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土木研究所資料

下水処理施設における微量化学物質の挙動に関する調査（2）

平成３年３月

建設省土木研究所
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下水処理施設における微量化学物質の挙動に関する調査（2）

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要旨

近年、化学物質による環境汚染が社会的な問題となっているが、下水道の分野においても、これらの物質の挙動、影響等についての関心が高まっている。本調査では、下水中に含まれる微量化学物質、なかでも発ガン性、変異原性があるとの報告がある有機塩素化合物について、生分解性を調査するとともに、微生物、原生動物への影響について調査しその概要をまとめたものである。また、いくつかの下水処理施設において、流入下水、一次処理水、二次処理水中の微量化学物質の検索を行い資料としてまとめた。

キーワード：化学物質、有機塩素化合物、生分解、硝化菌、原生動物

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資料

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1. はじめに

近年，化学物質による環境汚染が社会問題となっている。水道水中のトリハロメタン，地下水中のトリクロロエチレン，魚介類（イガイ，スズキ）からのディルドリンなどがその主なものである。また，化学物質による環境汚染については，多くの調査・研究報告がある[1)~7)]。これらの化学物質は毒性が強く，また発ガン性の疑いがあるものもある。このような環境汚染問題が生じた場合，下水処理水中あるいは汚泥中の濃度についても関心が払われるのが通例であり，既にいくつかの報告がみられる[8)~10)]。しかし，我が国で最も広く採用されている活性汚泥処理プロセスにおいてどのような挙動をとるかということは，現時点では不明なことが多く，ほとんど解明されていないのが現状である。また，下水処理に与える影響についても不明なことが多い。本調査では，下水中に含まれる微量化学物質，なかでも発ガン性，変異原性があるとの報告がある有機塩素化合物について，生分解性を調査するとともに，微生物，原生動物への影響について調査し，その概要をまとめた。また，いくつかの下水処理場において，流入下水，一次処理水，二次処理水中の微量化学物質の検索を行い，実処理施設における微量化学物質の挙動を調査した。

本報告書は，これらの調査結果を中間報告として整理したものである。

2. 供試化学物質

本調査では，化学物質の中から以下に示す15種類の物質を選び，種々の実験に供した。選定に当っては，発ガン性，変異原性等があるとの報告がある有機塩素化合物を主に，揮発性物質から5物質，クロロベンゼンを3物質，フェノール類を6物質，その他1物質とした。

選定した化学物質の性状，用途等については，産業中毒便覧（増補版）[11]，11290の化学商品[12]を参考にした。

2.1 揮発性物質

1）クロロホルム（Chloroform）

(1) 別 名

トリクロロメタン（Trichloromethane）

フォーミル トリクロライド（Formyl trichloride）

メチニル トリクロライド（Methenyl trichloride）

(2) 物理・化学的性状

化学式　$CHCl_3$

分子量　119.39　　比 重　1.484（20℃/20℃）

屈析率　1.4476（20℃）

融 点　−63.5 ℃　　沸 点　61～62 ℃

蒸気密度　4.1（25℃）

蒸気圧　200 mmHg（25℃）

引火点　なし

溶解性　1 mℓ/200 mℓ 水（25℃）。各種有機溶剤に可溶。

1 mg/ℓ ≒ 206 ppm ; 1 ppm ≒ 4.89 mg/m³

無色透明。重い揮発性液体で特異な香気を有し，味はかすかに甘い。不燃性。水には難溶。アルコール，ベンゼン，脂肪酸，ソルベントナフサ，揮発油，エーテルに溶ける。ヨード，硫黄，リン，パラフィン，樹脂などを溶解する。日光に長時間さらされたり，火災または熱表面に接すると下式のように徐々に分解しホスゲンなどを生成する。

$$2\,CHCl_3 + 3\,O \rightarrow H_2O + 2\,COCl_2 + Cl_2$$

このため着色ビンに密栓して光線を遮って貯蔵する必要があり，またホスゲンの生成を防ぐために，市販品は普通0.5～1％のエチルアルコールが安定剤として加えてある。発がん性が指摘されている。

(3) 用 途

麻酔剤として用いられてきたが，肝臓および腎臓に対する毒性のため用いられなくなっている。

同じ理由で溶剤としての利用度も減少しているが，ゴム，グタペルカ，鉱油，アルカロイドなどの抽出剤として用いられるほか，冷媒として使用され，弗素樹脂，消火剤の原料であるクロルジフルオルメタンの製造原料となる。

2）四塩化炭素（Carbon tetrachloride）

(1) 別 名

テトラクロロメタン（Tetrachloromethane）

パークロロメタン

ベンジノホルム

(2) 物理・化学的性状

化学式　CCl_4

分子量　153.84　　比 重　1.589（25 ℃/25 ℃）

屈折率　1.4607（20 ℃）

融 点　－23 ℃　　沸 点　76.7 ℃

蒸気密度　5.3

蒸気圧　113 mmHg（25 ℃），91.3 mmHg（20 ℃）

気中飽和濃度　15％（25 ℃）

飽和空気密度　1.64

引火点　なし

溶解性　水に難溶（1 mℓ/2000 mℓ 水）。各種有機溶剤，油に溶ける。

1 mg/ℓ ≒ 159 ppm ； 1 ppm ≒ 6.29 mg/m³

無色透明の重い不燃性の液体であり，特有の臭気を有する。

アルコール，ベンゼン，エーテル，二硫化炭素，石油ベンジンと混和する。

(3) 用 途

かつては最もよく用いられた塩素系有機溶剤であったが，毒性が強いところから現在では余り用いられていない。冷媒の弗化炭化水素の原料としての需要が最も大きく，溶剤，燻蒸剤，十二指腸虫駆除剤，消火剤として用いられている。

フロンガスの製造，機械器具の洗剤，不燃性の溶剤，芳香族抽出用，ドライクリーニング用（混用してベンジンを不燃性にする），しみ抜き，殺虫剤，発煙，ワックス樹脂の製造，変圧器スイッチ油，ホスゲン原料。

3）トリクロロエチレン（Trichloroethylene）

(1) 別 名

三塩化エチレン（Trichloroethylene）

三塩化エテン（Trichloroethen）

エチニルトリクロライド（Ethinyltrichloride）

(2) 物理・化学的性状

化学式　$CHCl = CCl_2$

分子量　131.40　　比 重　1.4649（20 ℃）

屈折率　1.4556（25 ℃）

融 点　－73 ℃　　沸 点　86.7 ℃

蒸気密度　4.54

蒸気圧　57.8 mmHg（20 ℃）

気中飽和濃度　10.2％（25 ℃）

飽和空気密度　1.35

引火点　32.2 ℃　　爆発限界　2.5 ～ 90％

溶解性　水に難溶（0.1 g/100 mℓ 水，20 ℃）。各種有機溶剤に可溶。

1 mg/ℓ ≒ 185.8 ppm ; 1 ppm ≒ 5.38 mg/m³

無色の重い可動性液体。クロロホルムに似た臭気があり，ほとんど無害。麻酔性，不燃性。水に不溶，アルコール，エーテル，その他普通の有機溶剤と混和する（溶剤としての溶解力はガソリンに比べ5 ～ 7倍）。金属を腐食することは少ない。

(3) 用 途

金属機械部品などの脱油脂洗浄剤，一般溶剤，塗料のシンナーおよびリムーバー，映画フィルムのクリーナー，冷媒，乾燥剤，ドライクリーニング，羊毛の脱脂洗浄，冷媒フロンガスの製造，有機合成中間体（モノクロル酢酸，グリコール酸）などひろい用途がある。

4）テトラクロロエチレン（Tetrachloroethylene）

(1) 別 名

パークロロエチレン（Perchloroethylene）

パークレン（Perchlene）

四塩化エチレン（Tetrachloroethylene）

(2) 物理・化学的性状

化学式　$CCl_2 = CCl_2$

分子量　165.85　　比 重　1.6311（15 ℃）

屈折率　1.5018（20 ℃）

融 点　－22.4 ℃　　沸 点　121 ℃

蒸気密度　5.83

蒸気圧　15.8 mmHg（22 ℃）

気中飽和濃度　2.5％（25 ℃）

飽和空気密度　1.11

引火点　なし

溶解性　水に難溶（0.015 g/100 mℓ 水，25 ℃）。各種有機溶剤に可溶。

1 mg/ℓ ≒ 147.4 ppm ； 1 ppm ≒ 6.78 mg/m³

無色透明の不燃性液体。クロロホルムないしはエーテル様の臭いを有する。

金属を侵さない。多量吸入すれば悪影響がある。有機溶剤としての溶解力はトリクロロエチレン（沸点 86.9 ℃）よりやや弱いが，ガソリンよりかなり強い。水に不溶。

(3) 用 途

テトラクロルエチレンはトリクロルエチレンに比べて溶解力が温和であり，ドライクリーニング用として，あらゆる天然および合成繊維の洗浄に主として用いられる。このほかに，金属の脱脂洗浄剤，乾燥剤，一般溶剤，ペイントリムーバー，石鹸溶剤，セルロースエステルおよびエーテルの混合物溶剤，駆虫剤，有機合成中間体などひろい用途がある。

5） 1,1,1－トリクロロエタン（1,1,1－Trichloroethane）

(1) 別 名

メチルクロロホルム（Methylchloroform）

(2) 物理・化学的性質

化学式　CH_3CCl_3

分子量　133.42　　比 重　1.3492（20 ℃）

屈折率　1.43838（20 ℃）

融 点　－32.5 ℃　　沸 点　74.1 ℃

蒸気密度　4.6

蒸気圧　127 mmHg（25 ℃）

気中飽和濃度　16.7％（25 ℃）

飽和空気密度　1.6

引火点　なし

溶解性　水に難溶（0.44 g/100 mℓ 水，20 ℃）。各種有機溶剤に溶ける。

1 mg/ℓ ≒ 183 ppm ； 1 ppm ≒ 5.46 mg/m³

無色透明，クロロホルム様の甘い臭いをもつ不燃性液体。

(3) 用 途

過去においては主として合成中間体として用いられた。四塩化炭素とよく似た物理・化学的性質を有し，かつ低毒性であるところから，機械・電気機械の部品の液体洗浄剤，溶剤，エアロゾルの蒸気圧抑制剤，接着剤，金属切削油の添加剤，果物の処理などに用いられている。

主として金属の常温洗浄および蒸気洗浄に用いられ，不燃料溶剤のなかでは毒性が最も低く，利用分野は広い。またドライクリーニング用溶剤，繊維のシミ抜き剤，エアゾール用に適する。

2.2 クロロベンゼン

1）クロロベンゼン（Chlorobenzene）

(1) 別 名

塩化フェニル（Phenylchloride）

モノクロロベンゼン（Monochlorobenzene）

ベンゼンクロライド（Benzenechloride）

クロロベンゾール

(2) 物理・化学的性状

化学式　C_6H_5Cl

分子量　112.56　　比 重　1.105

屈折率　1.5248（20 ℃）

融 点　－44.9 ℃

沸 点　131.7 ℃（760 mmHg）

蒸気圧　11.75 mmHg（25 ℃）

引火点　29 ℃　　爆発限界　1.3～7.1％（気中）

溶解性　水に溶けないが，アルコール，エーテルに溶け，有機溶剤と混和しやすい。

1 mg/ℓ ≒ 217 ppm ； 1 ppm ≒ 4.60 mg/m³

透明流動揮発性の液体。燃えやすい。巴旦杏様の香りがある。

緩い麻酔性があるが，毒性はベンゼンより少ない。有機溶剤とは混和しやすい。

(3) 用 途

①アニリン，フェノール，クロルニトロベンゼンなど主要な染料中間体の原料，②DDTの原料，③エチルセルロース，松脂，ペイント，ワニス，ラッカーなどの溶剤，混合溶剤用，④その他，医薬，香料などに用いられる。

2）1,4－ジクロロベンゼン（1,4－Dichlorobenzene）

(1) 別 名

パラジクロロベンゼン（P－Dichlorobenzene）

パラジクロロベンゾール

(2) 物理・化学的性状

化学式　$C_6H_4Cl_2$

分子量　147.01　　比 重　1.4581（20.5 ℃）

屈折率　1.5285（60 ℃）

融 点　53.5 ℃（α-型），54 ℃（β-変性型）

沸 点　174 ℃

蒸気圧　0.64 mmHg（20 ℃）

引火点　66 ℃

溶解性　エタノールに易溶。エーテル，クロロホルム，ベンゼンなどに可溶。水に不溶。

1 mg/ℓ ≒ 166.3 ppm ； 1 ppm ≒ 6.01 mg/㎥

無色，特有の強い刺激性の臭気を有する板状晶。揮発性（昇華）。

(3) 用 途

殺虫剤，染料中間体の合成原料，有機合成，調剤，防臭剤，農薬などに用いられる。

3）1,2,4－トリクロロベンゼン（1,2,4－Trichlorobenzene）

(1) 別 名

1,2,4－三塩化ベンゼン（1,2,4－Trichlorobenzene）

1,2,4－トリクロロベンゾール

(2) 物理・化学的性状

化学式　$C_6H_3Cl_3$

分子量　181.46

性 状　液体

比 重　1.4634

融 点　17 ℃

沸 点　213 ℃

引火点　110 ℃

溶解性　エーテル，ベンゼン，石油エーテル，二硫化炭素と混ざる。アルコールに僅かに溶ける。水に不溶。水蒸気蒸留可能。

無色油状液体。

(3) 用 途

染料・顔料中間物，トランス油，潤滑剤，白蟻駆除。

2.3 フェノール類

1）フェノール（Phenol）

(1) 別 名

石炭酸（Carbolic acid）

ヒドロキシベンゼン（Hydroxybenzene）

カルボール

フェニルハイドレート（Phenylhydrate）

フェニルハイドロオキサイド（Phenylhydroxide）

(2) 物理・化学的性状

化学式　C_6H_5OH

分子量　94.11　　比 重　1.071

屈折率　1.5425（41 ℃）

融 点　40.85 ℃　　沸 点　182 ℃

蒸気密度　3.24

蒸気圧　1 mmHg（40.1 ℃）

気中飽和濃度　0.046 vol％（25 ℃）

飽和空気密度　1.00104

引火点　80 ℃（c.c.），85 ℃（o.c.）

溶解性　水（1 g/15 mℓ），ベンゼン（1 g/12 mℓ），アルコール，クロロホルム，エーテル，グリセリン，二硫化炭素に可溶，石油エーテル，パラフィン類にはほとんど溶けない。

1 mg/ℓ ≒ 260 ppm ； 1 ppm ≒ 0.00384 mg/ℓ

白色結晶塊状，灼くような味をもち，特異なフェノール臭がある。腐蝕性があって有毒。大気中から水分を吸収して液体となる。火災危険：中等度。加熱，炎との接触に注意。酸化剤と反応する。

完全に純粋でないものは淡紅色。希薄溶液は甘味がある。

(3) 用 途

医薬品（サリチル酸，フェナセチンなど），染料，可塑剤，香料，塗料，火薬，溶剤，ナイロン－6，ベークライト，除草剤2,4－PAの製造原料として用いられるほか，消毒殺菌剤，防腐剤，歯科用局麻剤としても用いられる。

2）2－クロロフェノール（2－Chlorophenol）

(1) 別 名

オルトクロロフェノール（o-Chlorophenol）

一塩化フェノール

(2) 物理・化学的性状

化学式　ClH_6H_4OH

分子量　128.56

比 重　1.2573（25 ℃）

屈折率　1.5565（25 ℃）

融 点　α：7 ℃，β：0 ℃，γ：4.1 ℃

沸 点　175 ℃

蒸気圧　1 mmHg（12.1 ℃）

引火点　64.0 ℃

溶解性　冷水に難溶（2.85：100，20 ℃），エタノール，エーテルに易溶。

無色ないし淡黄色の液体。

火災危険：中等度。加熱に注意。酸化剤に反応する。

(3) 用 途

染料中間体，農薬の製造原料

3) 2,4－ジクロロフェノール（2,4－Dichlorophenol）

(1) 別 名

特になし

(2) 物理・化学的性状

化学式	$Cl_2C_6H_3OH$		
分子量	163.0		
比 重	1.383（60 ℃/25 ℃）		
融 点	45 ℃	沸 点	210 ℃
蒸気密度	5.62	蒸気圧	1 mmHg（53.0 ℃）
引火点	114.0 ℃		
溶解性	水に難溶（0.45：100，20 ℃）。エタノール，エーテル，クロロホルム，ベンゼンに可溶。		

無色の結晶。加熱分解または酸との接触により有毒塩化物を発生する。火災危険：小。酸化剤と激しく反応する。

(3) 用 途

染料中間体。

4) 2,4,6－トリクロロフェノール（2,4,6－Trichlorophenol）

(1) 別 名

オマール（Omal）

(2) 物理・化学的性状

化学式	$Cl_3C_6H_2OH$		
分子量	197.5		
比 重	1.4901（75 ℃）		
融 点	68 ℃	沸 点	244.5 ℃
凝固点	62 ℃		
蒸気圧	1 mmHg（76.5 ℃）		
溶解性	水に不溶（≲0.1 g/100 g 水）。アセトン，ベンゼン，四塩化炭素，エーテル，メタノール，トルエン，テレピン油に可溶。		

無色の針状晶または黄色の固体で，強いフェノール臭をもつ。

(3) 用 途

染料中間物，殺菌剤，防腐剤（木材防腐用）。

5）2,3,4,6－テトラクロロフェノール（2,3,4,6－Tetrachlorophenol）

(1) 別 名

特になし

(2) 物理・化学的性状

化学式　C_6HCl_4OH

分子量　231.90

比　重　1.6（60℃）

融　点　69～70℃　　沸　点　164℃（23 mmHg）

溶解性　水に不溶。アルコール，エーテルに易溶。

針状結晶である。

(3) 用 途

殺菌剤，木材用防腐剤として用いられる。

6）ペンタクロロフェノール（Pentachlorophenol）

(1) 別 名

特になし

(2) 物理・化学的性状

化学式　C_6Cl_5OH

分子量　266.35　　比 重　1.987（22℃）

融　点　190～191℃

沸　点　約309～310℃（分解）

蒸気圧　40 mmHg（211.2℃）

気中飽和濃度　0.0000145％（20℃）

飽和空気密度　1.0000011

溶解性　水に不溶（8 mg/100 mℓ水）。アルコール，エーテル，ベンゼンに可溶。冷石油エーテルに難溶。

1 mg/ℓ ≒ 91.9 ppm；1 ppm ≒ 0.01088 mg/ℓ

白色の針状または板状の結晶。高温時強い刺激臭を発し，熱分解により有毒ガスを発生する。

（ペンタクロルフェノール・ナトリウム塩）

黄褐色の粉末

化学式　C_6Cl_5ONa

分子量　288.4

溶解性　水に可溶（15.0％，4℃；20.0％，9.5℃）

(3) 用 途

殺菌剤，殺虫剤，除草剤として用いる。

2.4 その他

1) 2,5－ジクロロアニリン（2,5－Dichloroaniline）

(1) 別 名

2,5－ジクロロベンゼンアミン（2,5－Dichlorobenzenamine）

(2) 物理・化学的性状

化学式	$Cl_2C_6H_3NH_2$
分子量	162
比 重	
融 点	50 °C
沸 点	251 °C
凝固点	48 °C
溶解性	水，リグロインに難溶。エタノール，エーテル，二硫化炭素に可溶。

(3) 用 途

染料・顔料中間物。

3. 化学物質の生分解性

3.1 目 的

PCBによる環境汚染問題を契機として「化学物質の審査及び製造等の規制に関する法律」が昭和48年に制定され同年4月16日施行された。この法律は，難分解性の性状を有し，かつ，人の健康をそこなうおそれがある化学物質による環境の汚染を防止するため，新規の化学物質の製造又は輸入に際し事前にその化学物質がこれらの性状を有するかどうかを審査する制度を設けるとともに，これらの性状を有する化学物質の製造，輸入，使用等について必要な規制を行なうことを目的としている。なお，既存化学物質については，本法律に基づく「新規化学物質に係る試験の項目等を定める命令（昭和49年，総理府，厚生省，通商産業省令第1号）」に従い，定められている「新規化学物質に係る試験の方法について（昭和49年7月13日環保業第5号，薬発第615号・49基局第392号）」をもちいて通商産業省が，生分解性，生物濃縮性について調査しており，その結果については通商産業省の公報で公表している。

生物学的に難分解な物質は生物処理が主体である我国の下水処理施設においては，下水中の割合が多くなった場合には大きな問題となることが予想される。

本調査においては，数種類の化学物質についてではあるが，活性汚泥による化学物質の生分解についてその可能性を調査するものである。

3.2 微生物等による化学物質の分解度試験

（「新規化学物質に係る試験の方法について」より抜粋）

＜微生物等による化学物質の分解度試験＞

I 適用範囲

ここでは，微生物等による化学物質の分解度試験の標準となるべき方法について規定する。

II 用 語

この試験法において使用する用語は，日本工業規格（以下「JIS」という。）において使用する用語の例による。

III 試 薬

この試験法において使用する試薬は，試薬一級又はこれと同等以上のものとする。

IV 活性汚泥の調整

IV－1 汚泥採集場所

全国的な地域分布を考慮の上，多種類の化学物質が消費，廃棄されるとみられる場所を中心に原則として全国10ケ所以上とする。

IV－2 汚泥採集回数

年間4回，原則として3月，6月，9月，12月とする。

Ⅳ－3　汚泥採集方法

1　都市下水，下水処理場の返送汚泥1ℓ

2　河川，湖沼又は海，表層水1ℓ及び大気と接触している波打際の表土1ℓ

Ⅳ－4　調　整

各所から集めた汚泥を1つの容器内で混合かくはんして静置したのち浮んだ異物を除去し，上澄液をNo.2ろ紙を用いてろ過する。ろ液のpHを水酸化ナトリウム又はリン酸で7.0±1.0に調整し，培養そうに移してばっ気する。

Ⅳ－5　培　養

Ⅳ－4によって得られた液のばっ気を約40分間止めたのち，全量の約1/3量の上澄液を除去し，これと等量の0.1％合成下水（注1）を加えて再びばっ気する。この操作を毎日1回繰り返す。培養温度は，25±2℃とする。

（注1）0.1％合成下水

グルコース，ペプトン，りん酸カリウムおのおの1gを水1ℓに溶解し，水酸化ナトリウムでpHを7.0±1.0に調整したもの

Ⅳ－6　管　理

培養段階での管理は，次の項目を点検し，所要の調整を行う。

1　上澄液の外観　活性汚泥の上澄液は透明であること。

2　活性汚泥の沈でん性　フロックが大きく，沈でん性がすぐれていること。

3　活性汚泥の生成状態　フロックの増加が認められない場合には0.1％合成下水の添加量又は添加回数を増やすこと。

4　pH　上澄液のpHは，7.0±1.0であること。

5　温度　活性汚泥の培養温度は，25±2℃であること。

6　通気量　上澄液と合成下水を交換する時点において，培養槽内の液中溶存酸素濃度が少くとも5ppm以上となるように十分通気すること。

7　活性汚泥の生物相

活性汚泥を顕微鏡（100～400倍）で観察したとき，雲状のブロックとともに種々の原生動物が多数見られること。

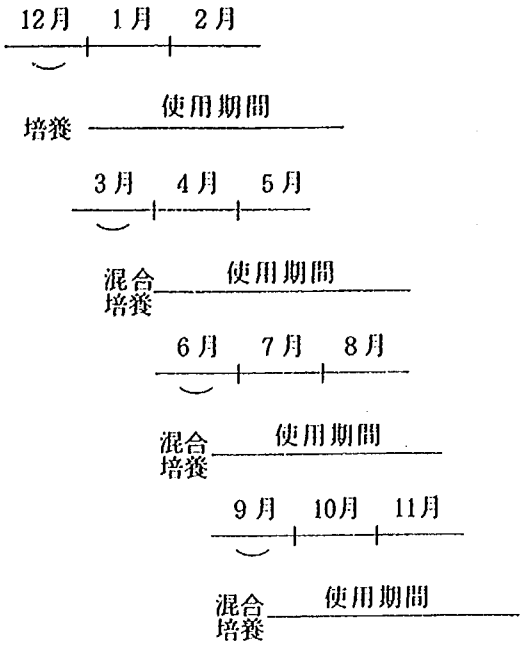
Ⅳ－7　新旧活性汚泥の混合

新旧活性汚泥の均一性を保つため，現に試験に供している活性汚泥の上澄液のろ液と新たに採集してきた汚泥の上澄液のろ液との等量を混合し，培養する。

Ⅳ－8　活性汚泥の活性度の点検

標準物質を用いて少なくとも3ケ月に1回定期的に活性度を点検する。試験法はⅤに準ずる。特に，新旧活性汚泥を混合したときは，旧活性汚泥との関連性に留意する。

〔活性汚泥の調整と使用期間の例〕



V　試験方法

V－1　分解度試験装置

閉鎖系酸素消費量測定装置

V－2　基礎培養基

JIS K 0102 の 16 (1)で定められたA液，B液，C液及びD液それぞれ3mℓに水を加え1ℓとする。

V－3　供試物質の添加及び試験の準備

次の試験容器を準備し，これらを試験温度に調整する。なお，供試物質が水に試験濃度まで溶解しない場合は，可能な限り微粉砕したものを用いる。

1　基礎培養基に供試物質が100 ppm（W/V）となるように添加したものを入れた試験容器

2　基礎培養基のみを入れた対照空試験用の試験容器

3　水に供試物質が100 ppm（W/V）となるように添加したものを入れた試験容器

4　基礎培養基にアニリンが100 ppm（W/V）となるように添加したものを入れた試験容器

V－4　活性汚泥の接種

V－3の1，2及び4の試験容器にJIS KO 102の10，2，3で定められた懸濁物質濃度が30 ppm（V/V）になるように活性汚泥を接種する。

V－5　分解度試験の実施

25±1℃で十分かきまぜながら一定期間（注2）培養し，酸素消費量の変化を経時的に測定する。

一定期間培養した後，残留する供試物質を分析に供し，その量を測定する。供試物質が水

に溶解する場合は，全有機炭素の残留量も測定する。

（注２）原則として14日間とする。

Ｖ－６　試験結果の算出方法

１　試験条件の確認

酸素消費量から求めたＶ－３の４のアニリンの分解度が７日後に40％を越えない場合は，この試験は無効とする。

２　酸素消費量から分解度（％）を算出する方法

$$分解度\ (\%) = \frac{BOD-B}{TOD} \times 100$$

BOD：供試物質の生物学的酸素要求量（測定値）（mg）

B　：基礎培養基に活性汚泥を接種したものの酸素消費量（測定値）（mg）

TOD：供試物質が完全に酸化された場合に必要とされる理論的酸素要求量(計算値)(mg)

３　直接定量（注３）から分解度（％）を算出する方法

$$分解度\ (\%) = \frac{Sb-Sa}{Sb} \times 100$$

Sa：分解度試験終了後の供試物質の残留量（測定値）（mg）

Sb：水に供試物質のみを添加した空試験における供試物質の残留量（測定値）（mg）

（注３）直接定量による化学分析法

１　全有機炭素分析計を用いる場合

試験容器から反応液を10mℓ採取し，これを3,000ｇで５分間遠心分離し，その上澄液から適当量を採取して全有機炭素分析計により残留する全有機炭素を定量する。

２　その他の分析計を用いる場合

試験容器内のすべての内容物を供試化学物質に適した溶剤により抽出，濃縮等適切な前処理を行った後分析機器等による定量分析を行う。この場合，ＪＩＳに規定された分析法通則（ガスクロマトグラフ分析法，吸光度分析法，質量分析法，原子吸光分析法等）に従い分析を行う。

3.3　実験方法

活性汚泥による化学物質の生分解性試験は，3.2に示した，＜微生物等による化学物質の分解度試験＞に準じた方法で行った。

表－3.1に測定条件の比較表を示した。比較表に示した項目以外については＜微生物による化学物質の分解度試験＞と同じである。

なお，測定は「北開試式」記録呼吸計ＢＯＤ測定装置，クーロメーターを用いて行った。クーロメーターは電気化学的な分析法（クーロメトリー）を用いた微生物の呼吸量を測定する装置である。

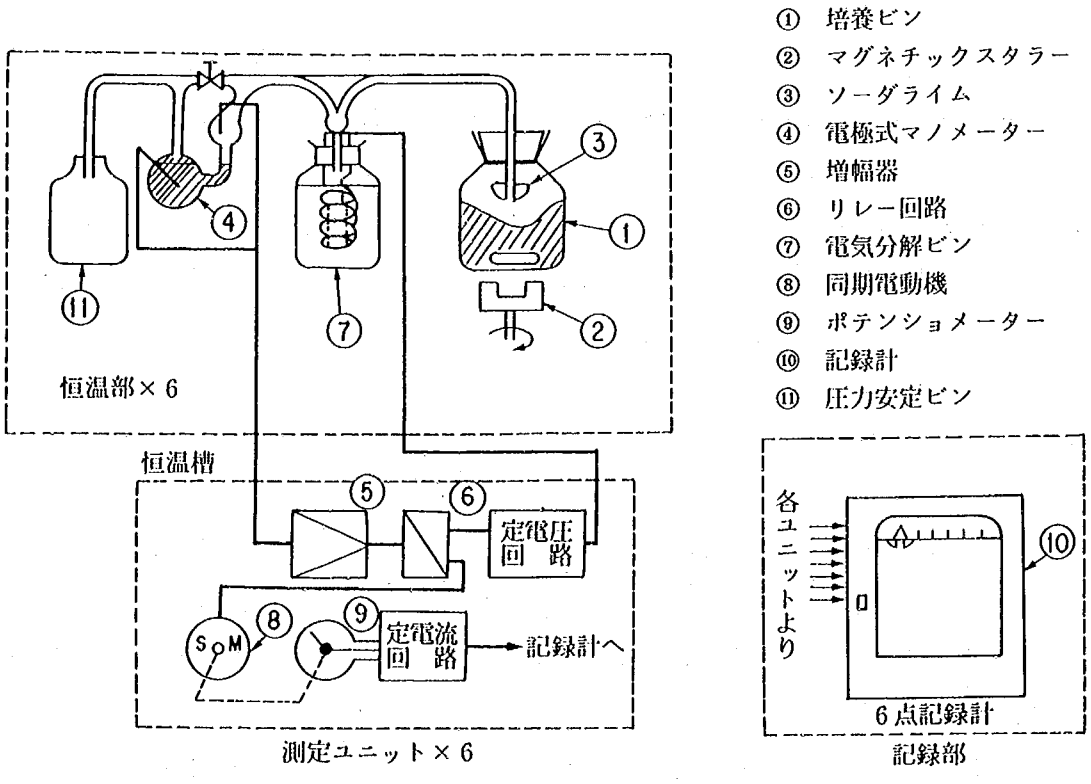
図－3.1にブロックダイヤグラムを示した。

表－3.1　測定条件の比較表

	本実験	＜微生物による化学物質の分解度試験＞
供試汚泥	活性汚泥	試験用の活性汚泥
汚泥濃度	任意	30 mg/ℓ
供試物質濃度	任意	100 mg/ℓ
測定温度	任意	25±1°C
測定時間	任意	14日間

培養ビンに，所定の濃度に調製した化学物質と活性汚泥を加え，装置にセットする。マグネチックスタラーで試料を撹拌していると活性汚泥中の微生物が呼吸し，試料中のDOが消費される。培養ビン中の空間の酸素が液中に溶けこみ，かわりにCO_2が発生する。このCO_2はソーダライムにより吸収されるため空間の酸素分圧および全圧は低下する。圧力低下は電極式マノメーターで検出し，増幅機で増幅して，リレー回路を動作させ，同期電動機が回転する。これと同時に電解ビン中の硫酸銅溶液は定電流によって電解酸素を発生する。この酸素は培養ビンに供給されマノメーターで圧力の回復が検出され，リレー回路がOFFになり電解及び同期電動機は停止する。この様に酸素の供給，停止で培養ビン上部空間は常に一定の圧力状態を保ち培養ビンで消費された酸素量は，発生した電解酸素量に比例する。この電解酸素量は定電流電解であるため電解時間に比例することになる。したがって同期電動機の回転角は連動ポテンショメーターによりmVに変換し，記録計に消費した酸素量として指示記録することができる。

本装置は，6組のユニットより構成されているため，最大6検体同時に測定することができる。



図－3.1　クーロメーターのブロックダイヤグラム

3.4 実験結果

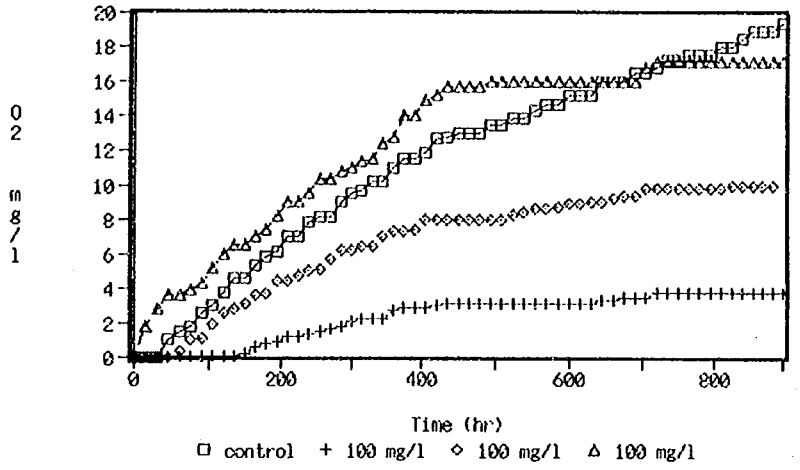
クーロメーターを用いた化学物質の生分解性試験結果を以下に示す。

1）クロロホルム（CHLO）

(1) 実験ケース

No.	化学物質	汚泥	温度
1	コントロール	活性汚泥 30 mg/ℓ	20 ℃
2	クロロホルム 100 mg/ℓ	〃	〃
3	クロロホルム 100 mg/ℓ	〃	〃
4	クロロホルム 100 mg/ℓ	〃	〃

(2) 結果

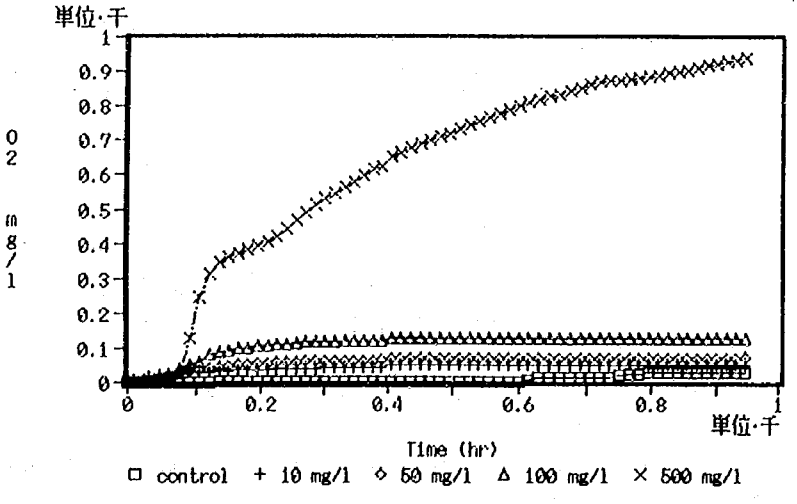


2）フェノール（PHEN）

(1) 実験ケース

No.	化学物質	汚泥	温度
1	コントロール	活性汚泥 30 mg/ℓ	20 ℃
2	フェノール 10 mg/ℓ	〃	〃
3	フェノール 50 mg/ℓ	〃	〃
4	フェノール 100 mg/ℓ	〃	〃
5	フェノール 500 mg/ℓ	〃	〃

(2) 結果

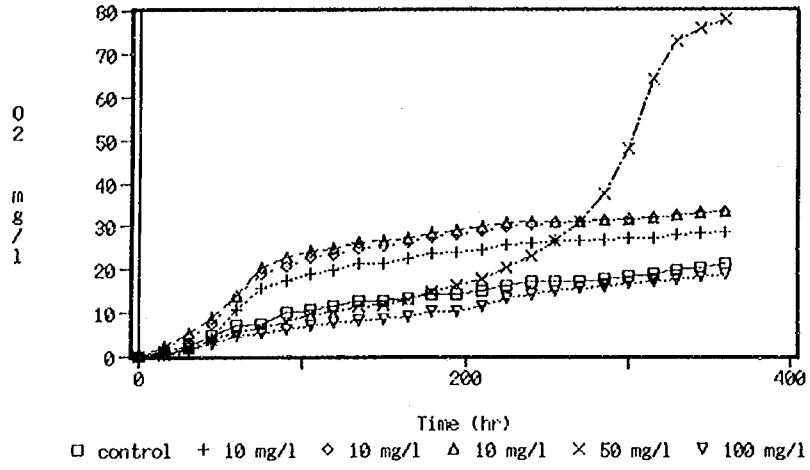


3）2－クロロフェノール（CP(1)）

(1) 実験ケース

No.	化学物質	汚泥	温度
1	コントロール	活性汚泥 30 mg/ℓ	20 ℃
2	2－クロロフェノール 10 mg/ℓ	〃	〃
3	2－クロロフェノール 10 mg/ℓ	〃	〃
4	2－クロロフェノール 10 mg/ℓ	〃	〃
5	2－クロロフェノール 50 mg/ℓ	〃	〃
6	2－クロロフェノール 100 mg/ℓ	〃	〃

(2) 結果

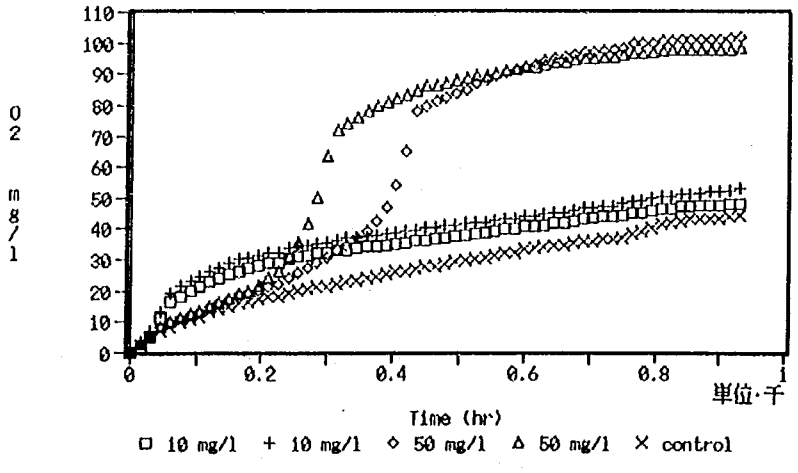


4）2－クロロフェノール（CP(2)）

(1) 実験ケース

No.	化学物質	汚泥	温度
1	コントロール	活性汚泥 30 mg/ℓ	20 ℃
2	2－クロロフェノール 10 mg/ℓ	〃	〃
3	2－クロロフェノール 10 mg/ℓ	〃	〃
4	2－クロロフェノール 50 mg/ℓ	〃	〃
5	2－クロロフェノール 50 mg/ℓ	〃	〃

(2) 結果

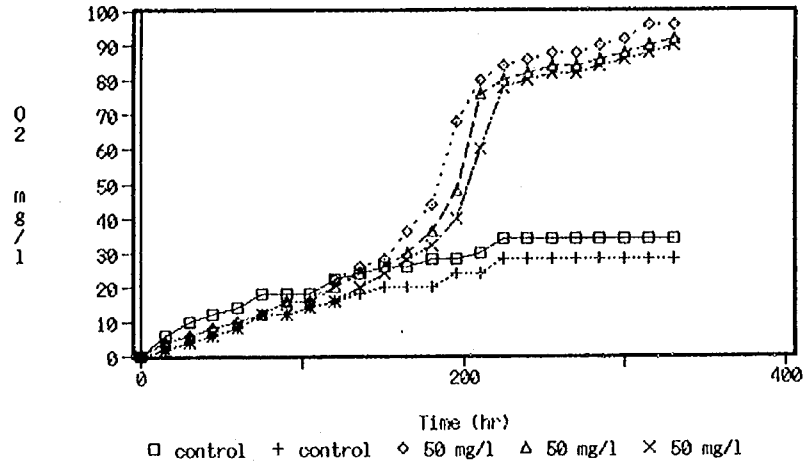


5） 2－クロロフェノール（CP(3)）

(1) 実験ケース

No.	化　学　物　質	汚　泥	温　度
1	コントロール	活性汚泥　30 mg/ℓ	20 ℃
2	コントロール	〃	〃
3	2－クロロフェノール　50 mg/ℓ	〃	〃
4	2－クロロフェノール　50 mg/ℓ	〃	〃
5	2－クロロフェノール　50 mg/ℓ	〃	〃

(2) 結果

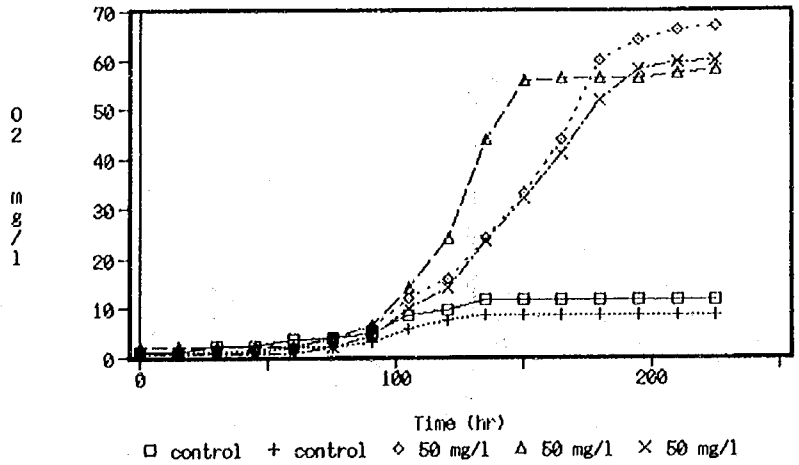


6） 2－クロロフェノール（CP(4)）

(1) 実験ケース

No.	化　学　物　質	汚　泥	温　度
1	コントロール	活性汚泥　30 mg/ℓ	20 ℃
2	コントロール	〃	〃
3	2－クロロフェノール　50 mg/ℓ	〃	〃
4	2－クロロフェノール　50 mg/ℓ	〃	〃
5	2－クロロフェノール　50 mg/ℓ	〃	〃

(2) 結果

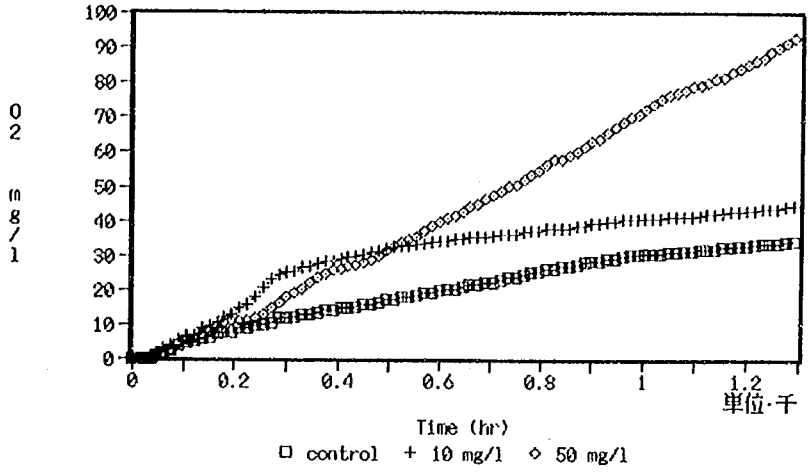


7）2－クロロフェノール（CP(5)）

(1) 実験ケース

No.	化　学　物　質	汚　泥	温　度
1	コントロール	活性汚泥　30 mg/ℓ	10 ℃
2	2－クロロフェノール　10 mg/ℓ	〃	〃
3	2－クロロフェノール　50 mg/ℓ	〃	〃

(2) 結果

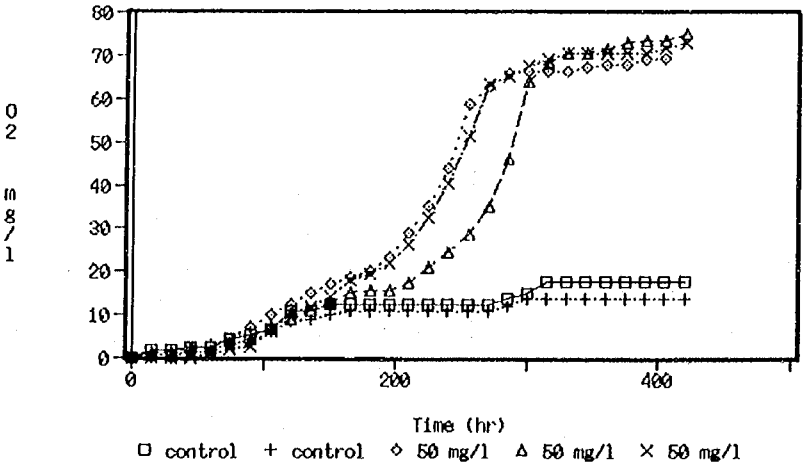


8）2－クロロフェノール（CP(6)）

(1) 実験ケース

No.	化　学　物　質	汚　泥	温　度
1	コントロール	活性汚泥　30 mg/ℓ	20 ℃
2	コントロール	〃	〃
3	2－クロロフェノール　50 mg/ℓ	〃	〃
4	2－クロロフェノール　50 mg/ℓ	〃	〃
5	2－クロロフェノール　50 mg/ℓ	〃	〃

(2) 結果

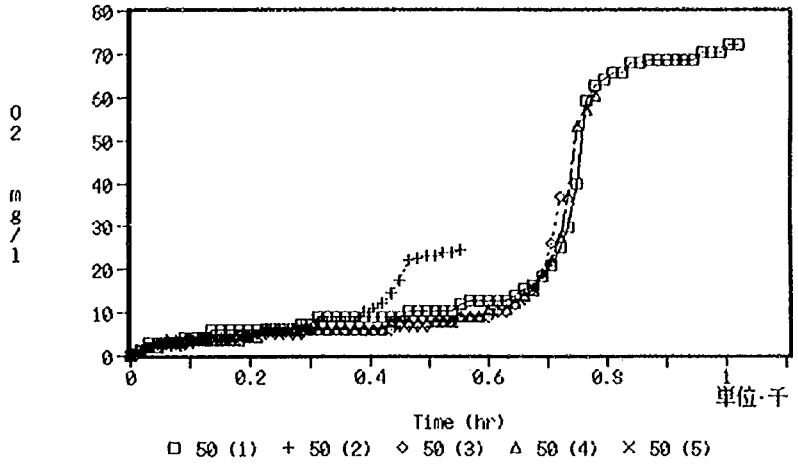


9） 2－クロロフェノール（CP(7)）

(1) 実験ケース

No.	化学物質	汚泥	温度
1	2－クロロフェノール 50 mg/ℓ	活性汚泥 30 mg/ℓ	20 ℃
2	2－クロロフェノール 50 mg/ℓ	〃	〃
3	2－クロロフェノール 50 mg/ℓ	〃	〃
4	2－クロロフェノール 50 mg/ℓ	〃	〃
5	2－クロロフェノール 50 mg/ℓ	〃	〃

(2) 結果

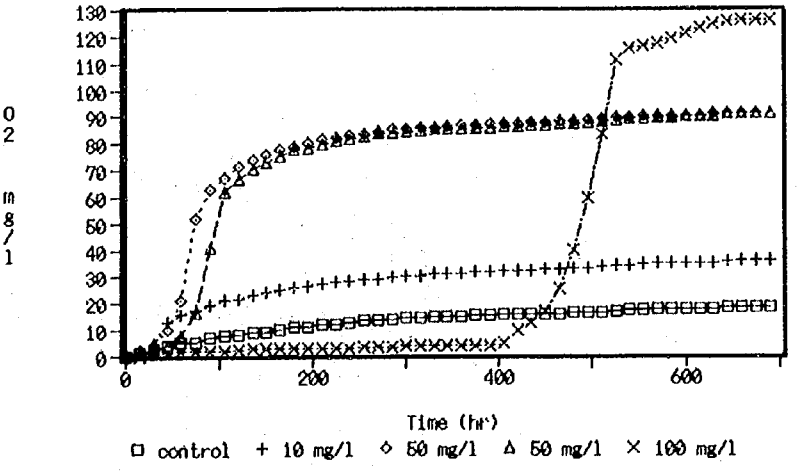


10） 2－クロロフェノール（CP(8)）

(1) 実験ケース

No.	化学物質	汚泥	温度
1	コントロール	活性汚泥 30 mg/ℓ	30 ℃
2	2－クロロフェノール 10 mg/ℓ	〃	〃
3	2－クロロフェノール 50 mg/ℓ	〃	〃
4	2－クロロフェノール 50 mg/ℓ	〃	〃
5	2－クロロフェノール 100 mg/ℓ	〃	〃

(2) 結果

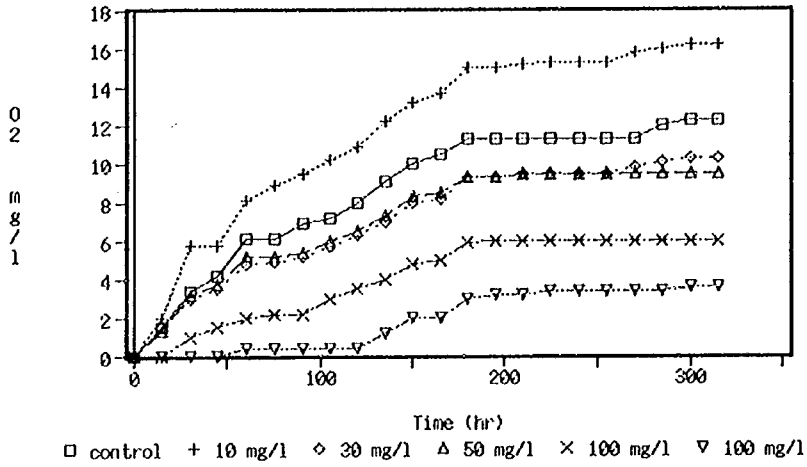


11) 2,5－ジクロロアニリン（DCA1）

(1) 実験ケース

No.	化　学　物　質	汚　泥	温　度
1	コントロール	活性汚泥　30 mg/ℓ	20 ℃
2	2,5－ジクロロアニリン　10 mg/ℓ	〃	〃
3	2,5－ジクロロアニリン　30 mg/ℓ	〃	〃
4	2,5－ジクロロアニリン　50 mg/ℓ	〃	〃
5	2,5－ジクロロアニリン　100 mg/ℓ	〃	〃
6	2,5－ジクロロアニリン　100 mg/ℓ	〃	〃

(2) 結果

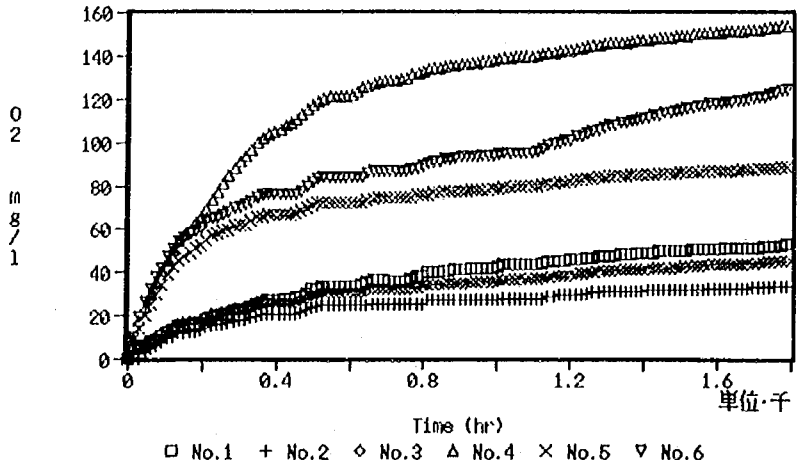


12) 2,5－ジクロロアニリン（DCA2）

(1) 実験ケース

No.	化　学　物　質	汚　泥	温　度
1	コントロール	活性汚泥　30 mg/ℓ	20 ℃
2	2,5－ジクロロアニリン　10 mg/ℓ	〃	〃
3	2,5－ジクロロアニリン　10 mg/ℓ	〃	〃
4	コントロール	活性汚泥　100 mg/ℓ	〃
5	2,5－ジクロロアニリン　10 mg/ℓ	〃	〃
6	2,5－ジクロロアニリン　10 mg/ℓ	〃	〃

(2) 結果

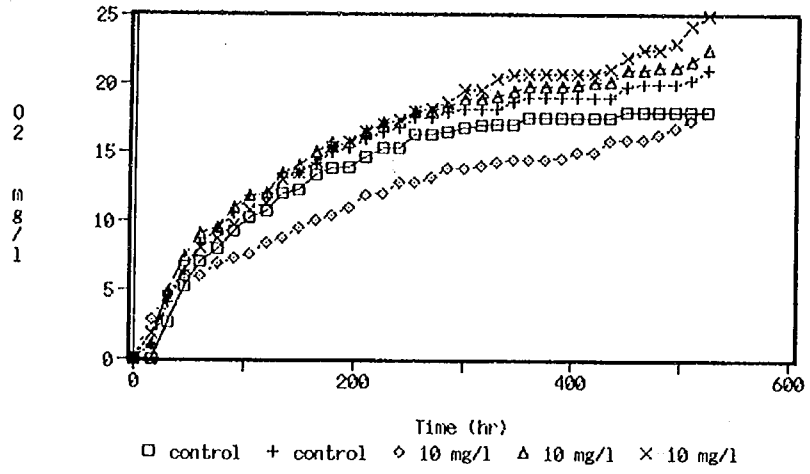


13) 2,5－ジクロロアニリン（DCA3）

(1) 実験ケース

No.	化　学　物　質	汚　泥	温　度
1	コントロール	活性汚泥　30 mg/ℓ	20 ℃
2	コントロール	〃	〃
3	2,5－ジクロロアニリン　10 mg/ℓ	〃	〃
4	2,5－ジクロロアニリン　10 mg/ℓ	〃	〃
5	2,5－ジクロロアニリン　10 mg/ℓ	〃	〃

(2) 結果

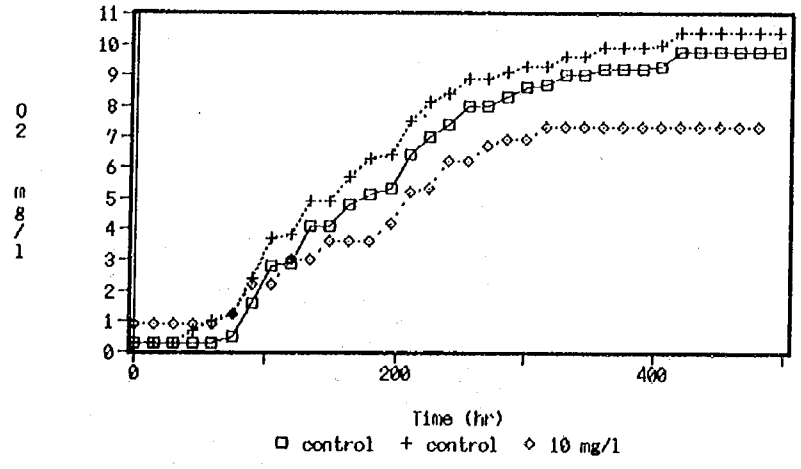


14) 2,5－ジクロロアニリン（DCA4）

(1) 実験ケース

No.	化　学　物　質	汚　泥	温　度
1	コントロール	活性汚泥　30 mg/ℓ	30 ℃
2	コントロール	〃	〃
3	2,5－ジクロロアニリン　10 mg/ℓ	〃	〃

(2) 結果

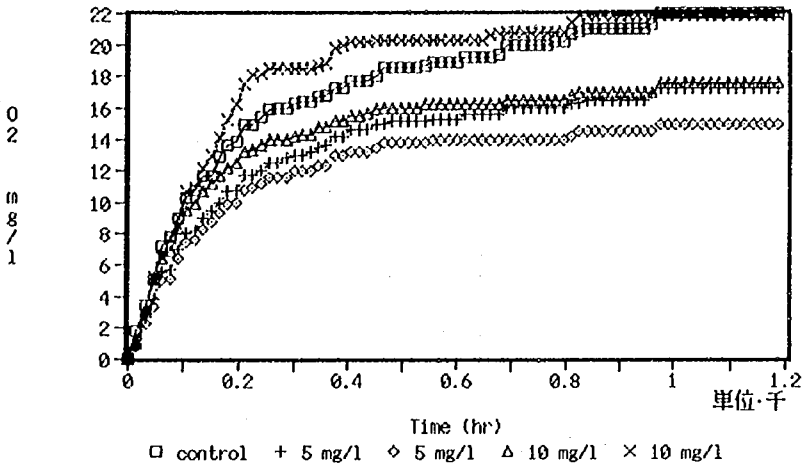


15) 2,5－ジクロロアニリン（DCA5）

(1) 実験ケース

No.	化学物質	汚泥	温度
1	コントロール	活性汚泥 30 mg/ℓ	20 ℃
2	2,5－ジクロロアニリン 5 mg/ℓ	〃	〃
3	2,5－ジクロロアニリン 5 mg/ℓ	〃	〃
4	2,5－ジクロロアニリン 10 mg/ℓ	〃	〃
5	2,5－ジクロロアニリン 10 mg/ℓ	〃	〃

(2) 結果

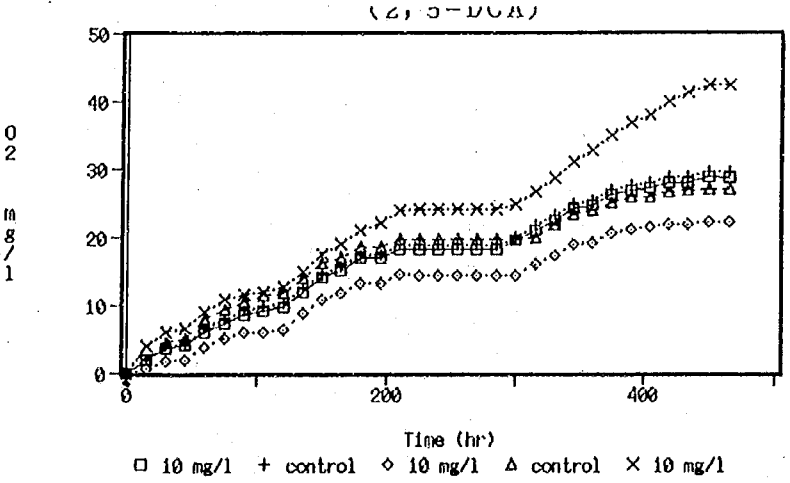


16) 2,5－ジクロロアニリン（DCA6）

(1) 実験ケース

No.	化学物質	汚泥	温度
1	2,5－ジクロロアニリン 10 mg/ℓ	活性汚泥 30 mg/ℓ	20 ℃
2	コントロール	〃	〃
3	2,5－ジクロロアニリン 10 mg/ℓ	〃	〃
4	コントロール	〃	〃
5	2,5－ジクロロアニリン 10 mg/ℓ	〃	〃

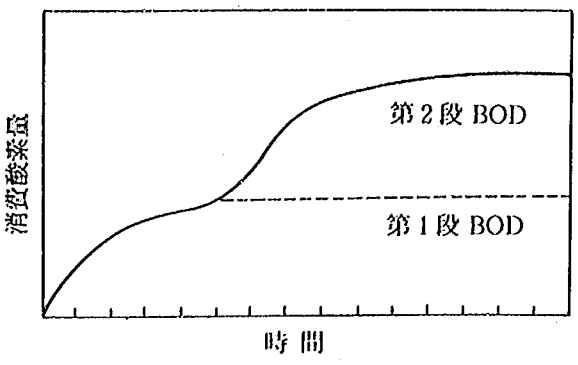
(2) 結果



4. 化学物質による微生物の呼吸阻害

4.1 目 的

一般に有機汚濁物質の好気性条件下における酸素消費量は図－4.1に示すような，ある一定時間に変曲点を持つ曲線となる。この変曲点は通常7日から10日頃である。この理由は，初めに炭素化合物の分解が起こり，ついで窒素化合物の分解が遅れて起こるためであるとされている。前段の炭素化合物によるものを第1段階のBOD，後段の窒素化合物によるものを第2段階のBODと称している。しかし，試料中に毒性物質が含まれる場合には，炭素化合物あるいは窒素化合物等を分解する細菌が何らかの影響を受けるものと考えられる。本調査では，発ガン性，変異原性等があるとの報告がある有機塩素化合物の存在下で有機汚濁物質の酸素消費を測定し，化学物質による微生物の呼吸阻害について調査するものである。



図－4.1 有機物の酸素消費

4.2 実験方法

下水処理場より採取した一次処理水に化学物質を種々の濃度で添加し，クーロメーターを用い酸素消費量を測定した。実験温度は，原則として20℃で行った。

4.3 実験結果

1）クロロベンゼン（CB）

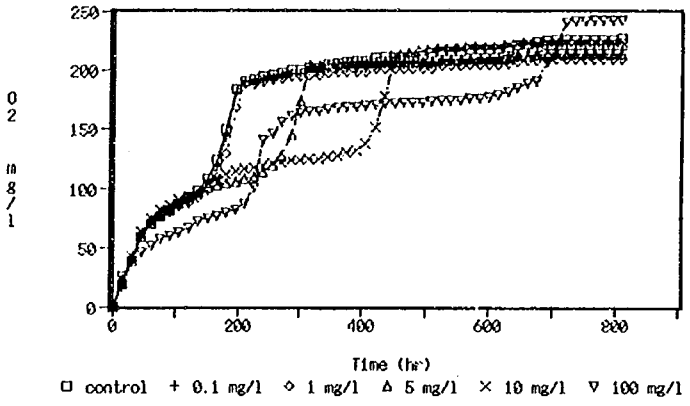
(1) 実験ケース

1. コントロール（一次処理水 240 mℓ ＋ 蒸留水 60 mℓ）
2. 0.1 mg/ℓ（〃 ＋ クロロベンゼン水溶液 60 mℓ）
3. 1 〃（〃 ＋ 〃 ）
4. 5 〃（〃 ＋ 〃 ）
5. 10 〃（〃 ＋ 〃 ）
6. 100 〃（〃 ＋ 〃 ）

一次処理水の水質

TOC	39.5 mg/ℓ
NH_4-N	24.9 〃
NO_2+NO_3-N	0.1 〃

(2) 結果

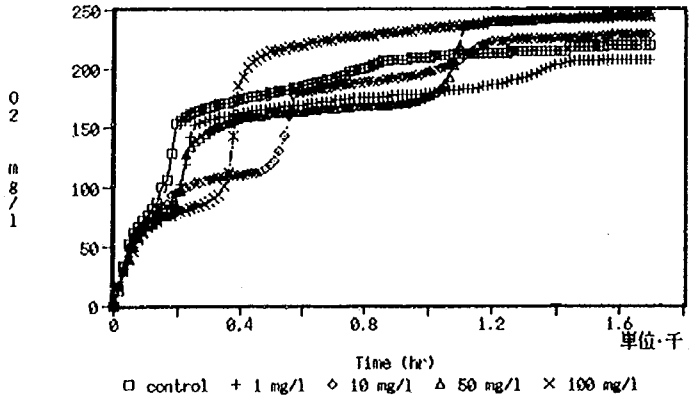


2）2－クロロフェノール（o-CP）

(1) 実験ケース

1. コントロール（一次処理水 240 mℓ ＋ 蒸留水 60 mℓ）
2. 1 mg/ℓ（〃 ＋ 2－クロロフェノール水溶液 60 mℓ）
3. 10 〃（〃 ＋ 〃 ）
4. 50 〃（〃 ＋ 〃 ）
5. 100 〃（〃 ＋ 〃 ）

(2) 結果

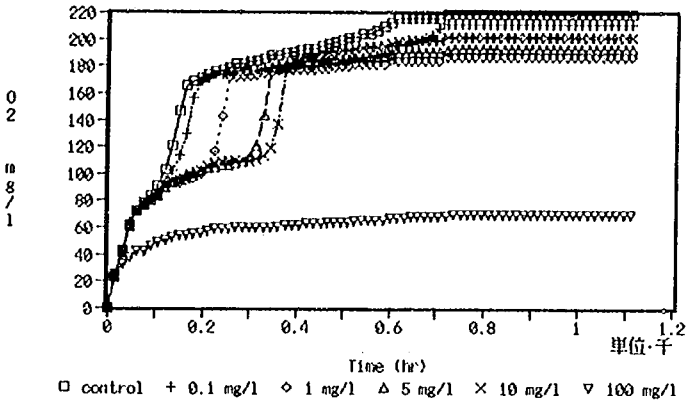


3）2,4－ジクロロフェノール（DCP）

(1) 実験ケース

1. コントロール（一次処理水 240 mℓ ＋ 蒸留水 60 mℓ）
2. 0.1 mg/ℓ（〃 ＋ 2,4－ジクロロフェノール水溶液 60 mℓ）
3. 1 〃（〃 ＋ 〃 ）
4. 5 〃（〃 ＋ 〃 ）
5. 10 〃（〃 ＋ 〃 ）
6. 100 〃（〃 ＋ 〃 ）

(2) 結果



4）2,3,4,6－テトラクロロフェノール（TCP 1）

(1) 実験ケース

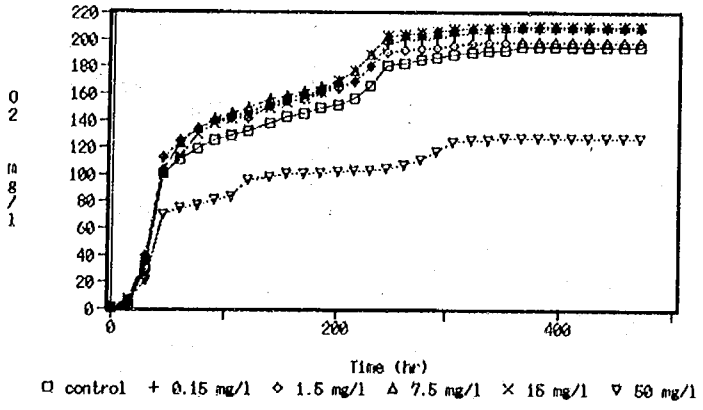
1. コントロール（一次処理水 150 mℓ ＋ 蒸留水 150 mℓ ＋ メタノール 30 μℓ ）
2. 0.15 mg/ℓ（〃 ＋ 〃 ＋ 2,3,4,6－テトラクロロフェノール メタノール水溶液 30 μℓ ）
3. 1.5 〃（〃 ＋ 〃 ＋ 〃 ）
4. 7.5 〃（〃 ＋ 〃 ＋ 〃 ）
5. 15 〃（〃 ＋ 〃 ＋ 〃 ）
6. 50 〃（〃 ＋ 〃 ＋ 〃 ）

一次処理水の水質

$NH_4 - N$ 13.6 mg/ℓ

$NO_2 + NO_3 - N$ 0.03 〃

(2) 結果



5）2,3,4,6－テトラクロロフェノール（TCP 2）

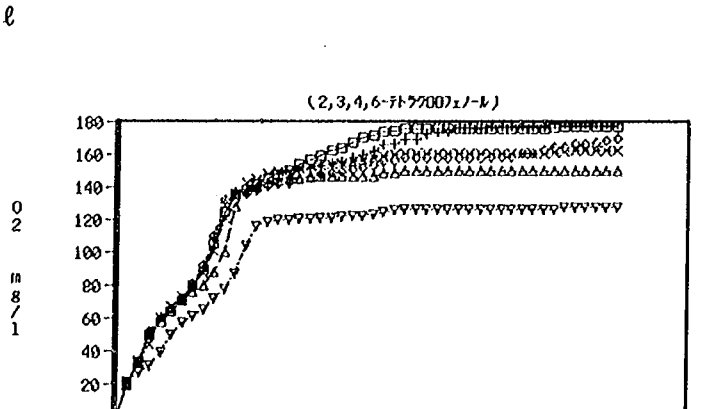
(1) 実験ケース

1. コントロール（一次処理水 240 mℓ ＋ 蒸留水 60 mℓ）
2. 0.9 mg/ℓ（〃 ＋ 2,3,4,6－テトラクロロフェノール水溶液 60 mℓ）
3. 1.8 〃（〃 ＋ 〃 ）
4. 3.7 〃（〃 ＋ 〃 ）
5. 9.2 〃（〃 ＋ 〃 ）
6. 18.4 〃（〃 ＋ 〃 ）

一次処理水の水質

TOC	38.6 mg/ℓ
NH_4-N	14.6 〃
NO_2+NO_3-N	0.03 〃

(2) 結果

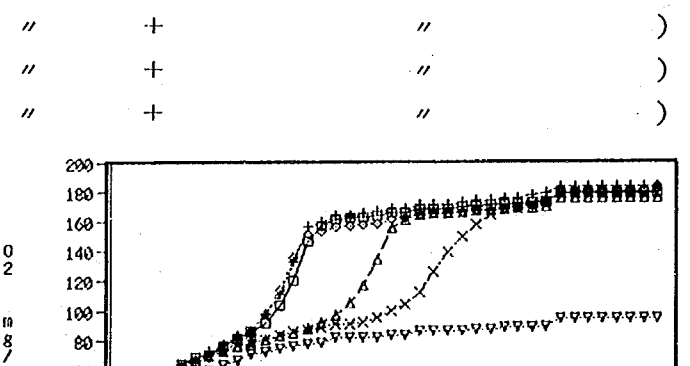


6）2,5－ジクロロアニリン（DCA）

(1) 実験ケース

1. コントロール（一次処理水 240 mℓ ＋ 蒸留水 60 mℓ）
2. 0.1 mg/ℓ（〃 ＋ 2,5－ジクロロアニリン水溶液 60 mℓ）
3. 1 〃（〃 ＋ 〃 ）
4. 5 〃（〃 ＋ 〃 ）
5. 10 〃（〃 ＋ 〃 ）
6. 50 〃（〃 ＋ 〃 ）

(2) 結果



5. 硝化細菌に及ぼす有機塩素化合物の影響

5.1 目 的

本報告書の前報[13]でも示したように，活性汚泥処理において，流入下水に有機塩素化合物を添加した実験を行ったところ硝化が抑制される傾向がみられた。ここでは，有機塩素化合物が硝化細菌に与える影響を調査するとともにその影響濃度を実験により求めるものである。

5.2 実験方法

化学療法剤に対する細菌の感受性の程度を調べるための検査で「薬剤感受性試験」[14]という試験がある。この試験は，ブイヨン培地で化学療法剤の2倍希釈系列を作り，これに被検菌を接種し一定時間培養後，増殖阻止をしめした化学療法剤の最小濃度を求める。この値がMIC（minimal inhibitory concentration；最小（増殖）阻止濃度）であり，MICが低いほど被検菌はその化学療法剤に対して感受性が高く，逆にMICが高いほど感受性が低いわけである。また，薬剤のない対照と同程度の増殖を示した最高濃度をMAC（maximun growth allowance concentration；最高（増殖）許容濃度）という。したがってMICより1段低い薬剤濃度がMACになる。

この実験では，MIC，MACがどの程度の濃度にあるのか判定するため，供試物質の濃度は0.1 mg/ℓ，1 mg/ℓ，10 mg/ℓ，100 mg/ℓの4段階とし，2倍希釈系列とせず10倍希釈系列とした。硝化細菌の培養及び測定は下水試験方法[15]により行った。亜硝酸菌用，硝酸菌用の培地に有機塩素化合物をそれぞれ溶解し，これに硝化細菌を接種した。亜硝酸菌は30日，硝酸菌は40日間27℃で培養した後培地中の窒素化合物を測定し細菌数を求めた。亜硝酸菌は$NH_4-N \rightarrow NO_2-N$，硝酸菌は$NO_2-N \rightarrow NO_3-N$の酸化を行うため，判定は（$NO_2+NO_3$）－N，$NO_3$－Nで行う。本実験では，自動分析計を用いて測定した。

1）試験の概要

化学物質を所定濃度に調製したそれぞれの培地を4.5 mℓづつ試験管に分取する。分取する試験管の数は1希釈段階ごとに5本とする。（揮発性物質について試験する場合は10 mℓのバイアルビンを使用し，培地は8 mℓづつ分取する。分取するバイアルビンの数は1希釈段階ごとに3本とする。）この分取した試験管に各希釈段階の細胞懸濁液（試料）1 mℓを接種する。これらを27℃の恒温槽内で培養し，亜硝酸菌については30日，硝酸菌については40日経過後，各培養液について亜硝酸態窒素，硝酸態窒素の有無を確認し，その結果をもとに亜硝酸菌及び硝酸菌をMPN法により算出する。

2）実験操作手順

a．試験管の準備

b．使用するガラス器具等の滅菌

c．試験管の滅菌

d．亜硝酸菌，硝酸菌用培地の調製

e．亜硝酸菌，硝酸菌用培地の滅菌

f．植え付

g．培養

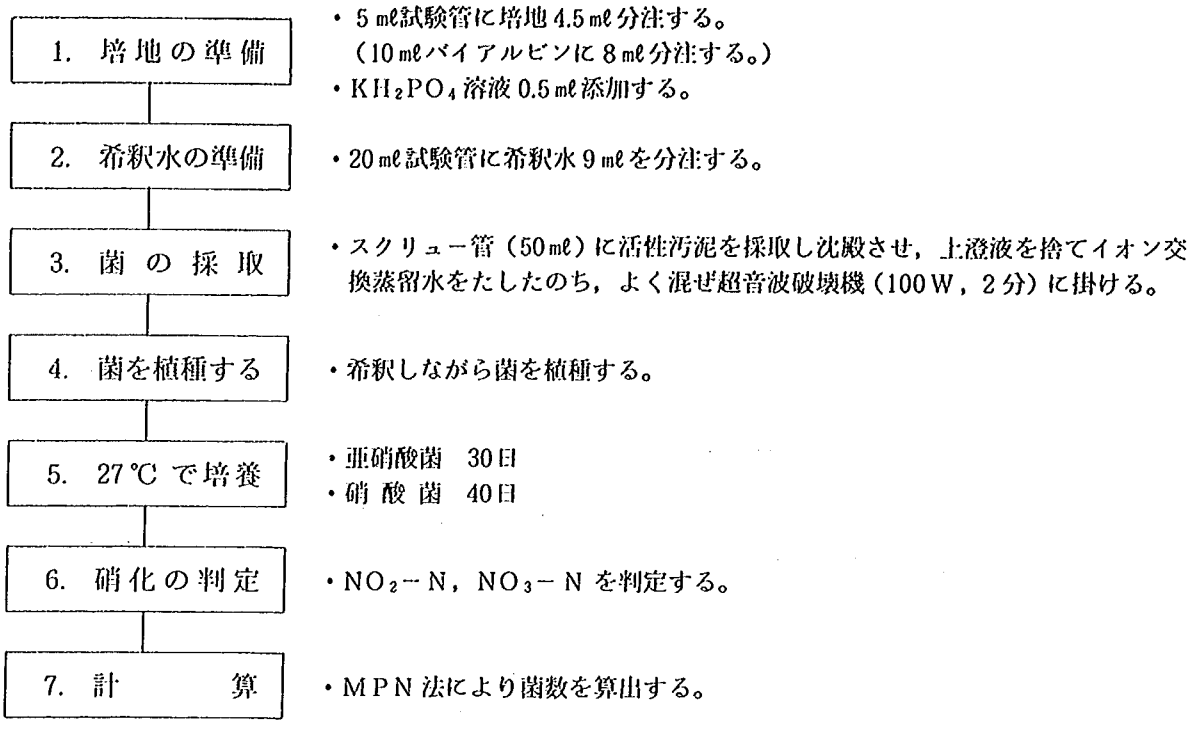
h．亜硝酸菌用培養液の亜硝酸態窒素の測定（但し，自動分析計による測定）

i．硝酸菌用培養液の硝酸態窒素の測定（但し，自動分析計による測定）

j．MPN法により亜硝酸菌及び硝酸菌を算出する

3）硝化細菌測定方法

(1) フローシート



(2) 使用器具，培地

1. 測定用試験管（5 mℓ）

（測定用バイアルビン 10 mℓ）

a）石英砂 少々
$CaCO_3$ 少々 ）入れた後アルミキャップをする。

b）乾熱滅菌する。（170℃，1時間）

c）準備する試験管の数

検体数 × 100本 ＋ 予備（100本程度）

（亜硝酸50本，硝酸50本）

2. 希釈操作用試験管（20 mℓ）

a）試験管にアルミキャップをする。

b）乾熱滅菌する。（170℃，1時間）

c）準備する試験管の数

検体数 × 20本 ＋ 予備（20本程度）

（亜硝酸10本，硝酸10本）

3. ピペットの滅菌

a）5 mℓのメスピペットを滅菌する。

b）乾熱滅菌する。（170℃，1時間）

c）準備するピペットの数

検体数 × 20本 ＋ 予備（20本程度）

（亜硝酸10本，硝酸10本）

4. 分注器の滅菌（培地分注用，希釈水分注用）

a）分注器のビンを乾熱滅菌する。（170℃，1時間）

b）分注器のシリンダー部分

エタノールで拭いた後約60℃で乾燥する。

5. 培地の滅菌

＊亜硝酸菌用培地

a）

EDTA－Fe	6 mg
$NaHCO_3$	200 mg
$MgSO_4 . 7H_2O$	50 mg
$(NH_4)_2SO_4$	45 mg
（Nとしては10 mg）	
$CaCl_2 . 2H_2O$	20 mg
有機塩素化合物	任 意

を蒸留水1000 mℓに溶解する。

b）ろ過滅菌後のろ液を入れる三角フラスコを乾熱滅菌する。

c）ろ過滅菌する。

・ろ過鐘をアルコールで拭く。

・ろ紙にアルコールを通し，その後蒸留水を通す。

・培地を0.22 μメンブレンフィルターでろ過する。

＊硝酸菌用培地

a）

EDTA－Fe	6 mg
$NaHCO_3$	200 mg
$MgSO_4 . 7H_2O$	50 mg
$NaNO_2$	49 mg
（Nとしては10 mg）	
$CaCl_2 . 2H_2O$	20 mg
有機塩素化合物	任 意

を蒸留水1000 mℓに溶解する。

b）ろ過滅菌後のろ液を入れる三角フラスコを乾熱滅菌する。

c）ろ過滅菌する。

・ろ過鐘をアルコールで拭く。

・ろ紙にアルコールを通し，その後蒸留水を通す。

・培地を0.22 μメンブレンフィルターでろ過する。

＊KH_2PO_4溶液の滅菌

KH_2PO_4 1 g/ℓを作りオートクレーブにより高圧滅菌する。（121℃，20分）。尚，この溶液は植種時点で培地4.5 mℓに0.5 mℓ添加する。

6. 希釈水の滅菌

a）ろ過滅菌後のろ液を入れる三角フラスコを乾熱滅菌する。

（カビ等を滅菌するため）

b）水道水又は生理食塩水（0.85 w/v％）を0.22 μメンブレンフィルターでろ過滅菌する。

c）ろ過滅菌水をオートクレーブにより高圧滅菌する。（121℃，20分）

5.3 実験結果

1）クロロホルム（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	5	5	5	5	5	3	1	0	0	0	−	11×10^6
クロロホルム 0.1 mg/ℓ	5	5	5	5	5	3	0	0	0	0	−	79×10^5
〃 1 〃	5	5	5	5	5	2	1	0	0	0	−	70×10^5
〃 10 〃	5	5	5	5	0	0	0	0	0	0	−	23×10^4
〃 50 〃	5	5	5	4	0	0	0	0	0	0	−	13×10^4
〃 100 〃	5	5	3	0	0	0	0	0	0	0	−	79×10^2

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	5	5	5	5	5	4	0	0	0	0	−	13×10^6
クロロホルム 0.1 mg/ℓ	5	5	5	5	5	5	1	0	0	0	−	33×10^6
〃 1 〃	5	5	5	5	5	2	2	0	0	0	−	94×10^5
〃 10 〃	5	5	5	5	5	4	0	0	0	0	−	13×10^6
〃 50 〃	5	5	5	5	5	5	1	0	0	0	−	33×10^6
〃 100 〃	5	5	5	5	5	4	0	0	0	0	−	13×10^6

2）四塩化炭素（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	5	5	5	5	5	3	0	0	0	0	−	79×10^5
四塩化炭素 0.5 mg/ℓ	5	5	5	5	5	4	1	0	0	0	−	17×10^6
〃 2 〃	5	5	5	5	5	1	0	0	0	0	−	33×10^5
〃 10 〃	5	5	5	5	5	4	1	0	0	0	−	17×10^6
〃 50 〃	5	5	5	4	3	0	1	0	0	0	−	28×10^4
〃 100 〃	5	5	5	5	2	0	0	0	0	0	−	49×10^4

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	5	5	5	5	5	3	0	0	0	0	−	79×10^5
四塩化炭素 0.5 mg/ℓ	5	5	5	5	5	5	1	0	0	0	−	33×10^6
〃 2 〃	5	5	5	5	5	3	0	0	0	0	−	79×10^5
〃 10 〃	5	5	5	5	5	4	0	0	0	0	−	13×10^6
〃 50 〃	5	5	5	5	5	3	1	0	0	0	−	11×10^6
〃 100 〃	5	5	5	5	5	5	1	0	0	0	−	33×10^6

3）トリクロロエチレン（試験管）

(1) 結果

亜硝酸菌測定結果

（(NO_2+NO_3)－N で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	5	5	4	0	0	0	0	0	130×10^5
トリクロロエチレン 0.1 mg/ℓ	−	5	5	5	2	1	0	0	0	0	0	7×10^5
〃 1 〃	−	5	5	5	3	1	1	0	0	0	0	14×10^5
〃 10 〃	5	5	5	5	2	0	0	0	0	0	−	49×10^4
〃 100 〃	5	4	1	0	0	0	0	0	0	0	−	17×10^2

硝酸菌測定結果

（NO_3－N で判定）　（個/100 mℓ）

コントロール	−	−	−	5	5	5	5	1	0	0	0	33×10^7
トリクロロエチレン 0.1 mg/ℓ	−	5	5	5	5	5	5	2	0	0	0	49×10^7
〃 1 〃	−	5	5	5	5	5	5	2	1	0	0	70×10^7
〃 10 〃	5	5	5	5	5	5	5	4	1	0	−	170×10^7
〃 100 〃	5	5	5	5	5	5	5	3	0	0	−	79×10^7

(2) トリクロロエチレン測定結果

化学物質名	濃度	0日		30日後	40日後
		亜硝酸	硝酸	亜硝酸	硝酸
トリクロロエチレン	0.1 mg/ℓ	0.04 mg/ℓ	0.04 mg/ℓ	0	0
	1.0 〃	0.54 〃	0.44 〃	0	0
	10 〃	5.53 〃	4.86 〃	0	0
	100 〃	55.6 〃	48.3 〃	0	0

4）トリクロロエチレン（バイアルビン）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	3	2	1	1	0	0	0	0	20×10^5
トリクロロエチレン 0.1 mg/ℓ	−	−	3	3	2	0	0	0	0	0	−	93×10^4
〃 1 〃	−	3	2	2	1	0	0	0	0	−	−	28×10^3
〃 10 〃	1	0	0	0	0	0	0	0	−	−	−	4×10^1
〃 100 〃	0	0	0	0	0	0	0	0	−	−	−	0

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	−	−	−	3	3	3	1	1	0	0	0	75×10^6
トリクロロエチレン 0.1 mg/ℓ	−	−	3	3	3	3	2	1	0	0	−	150×10^6
〃 1 〃	−	3	3	3	3	3	1	1	0	−	−	75×10^6
〃 10 〃	3	3	3	3	3	3	1	0	−	−	−	43×10^6
〃 100 〃	3	3	3	3	3	3	0	0	−	−	−	23×10^6

(2) トリクロロエチレン測定結果

化学物質名	濃　度	0日		30日後	40日後
		亜硝酸	硝　酸	亜硝酸	硝　酸
トリクロロエチレン	0.1 mg/ℓ	0.15 mg/ℓ	0.07 mg/ℓ	2.34 μg/ℓ	0.74 μg/ℓ
	1.0 〃	0.68 〃	0.36 〃	3.59 〃	2.94 〃
	10 〃	4.91 〃	4.13 〃	0.17 mg/ℓ	0.23 mg/ℓ
	100 〃	44.7 〃	40.6 〃	1.91 〃	1.82 〃

5）トリクロロエチレン（バイアルビン満杯）①

(1) 結　果

亜硝酸菌測定結果　　((NO₂＋NO₃)－N で判定)　　(個/100 mℓ)

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	3	2	1	1	0	0	0	0	20×10^5
トリクロロエチレン 0.1 mg/ℓ	−	−	3	3	2	0	0	0	0	0	−	93×10^4
〃 1.0 〃	−	3	2	2	1	0	0	0	0	−	−	28×10^3
〃 10 〃	1	0	0	0	0	0	0	0	−	−	−	4×10^1
〃 100 〃	0	0	0	0	0	0	0	0	−	−	−	0

硝酸菌測定結果　　(NO_3－N で判定)　　(個/100 mℓ)

コントロール	−	−	−	3	3	3	1	1	0	0	0	75×10^6
トリクロロエチレン 0.1 mg/ℓ	−	−	3	3	3	3	2	1	0	0	−	150×10^6
〃 1.0 〃	−	3	3	3	3	3	1	1	0	−	−	75×10^6
〃 10 〃	3	3	3	3	3	3	1	0	0	−	−	43×10^6
〃 100 〃	3	3	3	3	3	3	0	0	−	−	−	23×10^6

6）トリクロロエチレン（バイアルビン満杯）②

(1) 結　果

亜硝酸菌測定結果　　((NO₂＋NO₃)－N で判定)　　(個/100 mℓ)

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	3	3	2	0	0	0	0	0	93×10^5
トリクロロエチレン 0.125 mg/ℓ	−	−	3	3	1	1	0	0	0	0	−	75×10^4
〃 0.25 〃	−	−	3	1	1	0	0	0	0	0	−	75×10^3
〃 2.0 〃	−	0	3	0	0	0	0	0	0	−	−	23×10^3
〃 4.0 〃	0	0	0	0	0	0	0	0	−	−	−	0

硝酸菌測定結果　　(NO_3－N で判定)　　(個/100 mℓ)

コントロール	−	−	−	3	3	3	3	0	0	0	0	23×10^7
トリクロロエチレン 0.125 mg/ℓ	−	−	3	3	3	3	1	2	0	0	−	12×10^7
〃 0.25 〃	−	−	3	2	3	3	3	2	0	0	−	93×10^7
〃 2.0 〃	−	3	3	3	3	3	0	0	0	−	−	23×10^6
〃 4.0 〃	−	3	3	3	3	3	0	2	−	−	−	64×10^6

(2) トリクロロエチレン測定結果

化学物質名	濃　度	0日		30日後	40日後
		亜硝酸	硝　酸	亜硝酸	硝　酸
トリクロロエチレン	0.125 mg/ℓ	0.04 mg/ℓ	0.03 mg/ℓ	19.1 μg/ℓ	25.5 μg/ℓ
	0.25 〃	0.07 〃	0.05 〃	39.7 〃	41.9 〃
	2.0 〃	0.70 〃	0.70 〃	0.16 mg/ℓ	0.31 mg/ℓ
	4.0 〃	1.41 〃	1.49 〃	0.46 〃	0.59 〃

7）テトラクロロエチレン（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	5	5	4	0	0	0	0	0	130×10^5
テトラクロロエチレン 0.1 mg/ℓ	−	5	5	4	5	4	1	0	0	0	0	170×10^5
〃 1 〃	−	5	5	5	5	1	0	0	0	0	0	33×10^5
〃 10 〃	5	5	5	5	4	2	0	0	0	0	−	22×10^5
〃 100 〃	5	5	5	5	1	0	0	0	0	0	−	33×10^4

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	−	−	−	5	5	5	5	5	5	5	5	$>1600\times10^9$
テトラクロロエチレン 0.1 mg/ℓ	−	5	5	5	5	5	5	5	5	5	5	$>1600\times10^9$
〃 1 〃	−	5	5	5	5	5	5	2	3	4	2	28×10^9
〃 10 〃	5	5	5	5	5	5	4	4	5	4	−	72×10^8
〃 100 〃	5	5	5	5	5	1	0	0	0	0	−	33×10^5

(2) テトラクロロエチレン測定結果

化学物質名	濃　度	0日		30日後	40日後
		亜硝酸	硝　酸	亜硝酸	硝　酸
テトラクロロエチレン	0.1 mg/ℓ	0.09 mg/ℓ	0.05 mg/ℓ	0	0
	1.0 〃	0.53 〃	0.52 〃	0	0
	10 〃	5.09 〃	5.35 〃	0	0
	100 〃	48.7 〃	44.2 〃	0	0

8）テトラクロロエチレン（パイアルビン）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	3	3	3	1	0	0	0	0	43×10^6
テトラクロロエチレン 0.1 mg/ℓ	−	−	3	3	3	3	3	2	0	0	−	93×10^7
〃 1 〃	−	3	3	3	3	3	3	2	0	−	−	93×10^7
〃 10 〃	3	3	3	3	3	3	3	2	−	−	−	1100×10^6
〃 100 〃	3	3	3	3	2	1	1	0	−	−	−	20×10^5

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	−	−	−	3	3	3	3	1	1	0	0	75×10^7
テトラクロロエチレン 0.1 mg/ℓ	−	−	3	3	3	3	2	0	1	0	−	14×10^7
〃 1 〃	−	3	3	3	3	3	2	1	0	−	−	150×10^6
〃 10 〃	3	3	3	3	3	3	0	0	−	−	−	23×10^6
〃 100 〃	3	3	3	3	3	3	0	0	−	−	−	23×10^6

(2) テトラクロロエチレン測定結果

化学物質名	濃　度	0日		30日後	40日後
		亜硝酸	硝　酸	亜硝酸	硝　酸
テトラクロロエチレン	0.1 mg/ℓ	0.71 mg/ℓ	0.48 mg/ℓ	0.02 μg/ℓ	0.30 μg/ℓ
	1.0 〃	0.56 〃	0.72 〃	5.95 〃	6.61 〃
	10 〃	6.82 〃	7.41 〃	45.5 〃	42.7 〃
	100 〃	57.3 〃	64.3 〃	0.40 mg/ℓ	0.53 mg/ℓ

9）テトラクロロエチレン（バイアルビン満杯）①

(1) 結　果

亜硝酸菌測定結果　　（(NO_2 + NO_3) − N で判定）　　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	3	3	3	1	0	0	0	0	43×10^6
テトラクロロエチレン 0.1 mg/ℓ	−	−	3	3	3	3	3	2	0	0	−	93×10^7
〃 1.0 〃	−	3	3	3	3	3	3	2	0	0	−	93×10^7
〃 10 〃	3	3	3	3	3	3	3	2	−	−	−	1100×10^6
〃 100 〃	3	3	3	3	2	1	1	0	−	−	−	20×10^5

硝酸菌測定結果　　（NO_3 − N で判定）　　（個/100 mℓ）

コントロール	−	−	−	3	3	3	3	1	1	0	0	75×10^7
テトラクロロエチレン 0.1 mg/ℓ	−	−	3	3	3	3	2	0	1	0	−	14×10^7
〃 1.0 〃	−	3	3	3	3	3	2	1	0	−	−	150×10^6
〃 10 〃	3	3	3	3	3	3	0	0	−	−	−	23×10^6
〃 100 〃	3	3	3	3	3	3	0	0	−	−	−	23×10^6

10）テトラクロロエチレン（バイアルビン満杯）②

(1) 結　果

亜硝酸菌測定結果　　（(NO_2 + NO_3) − N で判定）　　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	3	3	1	0	0	0	0	0	43×10^5
テトラクロロエチレン 0.125 mg/ℓ	−	−	3	3	3	2	0	0	0	0	−	93×10^5
〃 0.25 〃	−	−	3	2	3	2	1	0	0	0	−	44×10^4
〃 2.0 〃	−	2	3	3	3	0	0	0	0	−	−	23×10^5
〃 4.0 〃	3	3	3	2	2	0	0	0	−	−	−	21×10^4

硝酸菌測定結果　　（NO_3 − N で判定）　　（個/100 mℓ）

コントロール	−	−	−	3	3	3	1	0	0	0	0	43×10^6
テトラクロロエチレン 0.125 mg/ℓ	−	−	3	3	3	3	0	0	0	0	−	23×10^6
〃 0.25 〃	−	−	3	3	3	3	0	0	0	0	−	23×10^6
〃 2.0 〃	−	3	3	3	3	3	0	0	0	−	−	23×10^6
〃 4.0 〃	3	3	3	3	3	3	0	0	−	−	−	23×10^6

(2) テトラクロロエチレン測定結果

化学物質名	濃　度	0日		30日後	40日後
		亜硝酸	硝　酸	亜硝酸	硝　酸
テトラクロロエチレン	0.125 mg/ℓ	0.04 mg/ℓ	0.04 mg/ℓ	2.58 μg/ℓ	2.32 μg/ℓ
	0.25 〃	0.08 〃	0.08 〃	3.44 〃	3.41 〃
	2.0 〃	0.95 〃	0.95 〃	31.0 〃	36.1 〃
	4.0 〃	1.81 〃	1.61 〃	77.4 〃	76.1 〃

11) 1,1,1－トリクロロエタン（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	5	5	5	1	0	0	0	0	33×10^6
1,1,1－トリクロロエタン 0.1 mg/ℓ	－	5	5	5	5	5	0	0	0	0	0	240×10^5
〃　1 〃	－	5	5	5	5	1	0	0	0	0	0	33×10^5
〃　10 〃	5	5	5	5	2	1	0	0	0	0	－	70×10^4
〃　100 〃	5	5	5	4	0	0	0	0	0	0	－	130×10^3

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	－	－	－	5	5	5	5	0	0	0	0	240×10^6
1,1,1－トリクロロエタン 0.1 mg/ℓ	－	5	5	5	5	5	2	0	0	0	0	49×10^6
〃　1 〃	－	5	5	5	5	5	4	0	0	0	0	130×10^6
〃　10 〃	5	5	5	5	5	5	5	2	1	0	－	70×10^7
〃　100 〃	5	5	5	5	5	5	5	0	0	0	－	240×10^6

(2) 1,1,1－トリクロロエタン測定結果

化学物質名	濃　度	0日		30日後	40日後
		亜硝酸	硝　酸	亜硝酸	硝　酸
1,1,1－トリクロロエタン	0.1 mg/ℓ	0.06 mg/ℓ	0.08 mg/ℓ	0	0
	1.0 〃	0.57 〃	0.65 〃	0	0
	10 〃	5.17 〃	6.44 〃	0	0
	100 〃	41.4 〃	45.7 〃	0	0

12) 1,1,1－トリクロロエタン（バイアルビン）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	3	2	0	0	0	0	0	0	93×10^4
1,1,1－トリクロロエタン 0.1 mg/ℓ	－	－	3	2	1	0	0	0	0	0	－	150×10^3
〃 1 〃	－	3	3	2	1	0	0	0	0	－	－	150×10^3
〃 10 〃	3	3	0	0	0	0	0	0	－	－	－	240×10^1
〃 100 〃	0	0	0	0	0	0	0	0	－	－	－	0

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	－	－	－	3	3	3	2	1	0	0	0	150×10^6
1,1,1－トリクロロエタン 0.1 mg/ℓ	－	－	3	3	3	3	3	0	0	0	－	240×10^6
〃 1 〃	－	3	3	3	3	3	3	0	0	－	－	240×10^6
〃 10 〃	3	3	3	3	3	3	2	0	－	－	－	93×10^6
〃 100 〃	3	3	3	3	3	3	3	0	－	－	－	240×10^6

(2) 1,1,1－トリクロロエタン測定結果

化学物質名	濃　度	0日		30日後	40日後
		亜硝酸	硝　酸	亜硝酸	硝　酸
1,1,1－トリクロロエタン	0.1 mg/ℓ	0.18 mg/ℓ	0.16 mg/ℓ	0	0
	1.0 〃	0.60 〃	0.96 〃	9.75 μg/ℓ	14.4 μg/ℓ
	10 〃	4.67 〃	7.09 〃	0.62 mg/ℓ	0.55 mg/ℓ
	100 〃	49.2 〃	67.2 〃	8.56 〃	9.14 〃

13) 1,1,1－トリクロロエタン（バイアルビン満杯）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	2	3	2	0	1	0	0	0	93×10^5
1,1,1－トリクロロエタン 0.125 mg/ℓ	－	－	2	3	2	1	0	0	0	0	－	15×10^5
〃 0.25 〃	－	－	3	1	1	1	0	0	0	0	－	7×10^5
〃 2.0 〃	－	1	3	0	0	0	0	0	0	－	－	23×10^3
〃 4.0 〃	0	3	0	0	0	0	0	0	－	－	－	23×10^2

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	－	－	－	3	3	3	2	0	0	0	0	93×10^6
1,1,1－トリクロロエタン 0.125 mg/ℓ	－	－	3	3	3	3	3	0	0	0	－	23×10^7
〃 0.25 〃	－	－	3	3	3	3	1	0	0	0	－	43×10^6
〃 2.0 〃	－	3	3	3	3	3	0	0	0	－	－	23×10^6
〃 4.0 〃	0	3	3	3	3	3	0	0	－	－	－	23×10^6

(2) 1,1,1－トリクロロエタン測定結果

化学物質名	濃　度	0日		30日後	40日後
		亜硝酸	硝　酸	亜硝酸	硝　酸
1,1,1－トリクロロエタン	0.125 mg/ℓ	0.05 mg/ℓ	0.04 mg/ℓ	0.03 mg/ℓ	0.03 mg/ℓ
	0.25 〃	0.14 〃	0.09 〃	0.06 〃	0.18 〃
	2.0 〃	1.15 〃	1.09 〃	0.40 〃	0.56 〃
	4.0 〃	2.13 〃	2.42 〃	0.87 〃	1.0 〃

14) クロロベンゼン（バイアルビン）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	3	3	3	3	1	1	0	0	75×10^7
モノクロロベンゼン 0.01 mg/ℓ	−	−	−	3	3	3	3	3	0	0	0	24×10^8
〃 0.1 〃	−	−	3	3	3	3	3	2	0	0	−	93×10^7
〃 1 〃	−	3	3	3	3	3	1	0	0	−	−	43×10^6
〃 10 〃	3	3	3	1	2	0	0	0	0	−	−	11×10^4

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	−	−	−	3	3	3	1	0	0	0	0	43×10^6
モノクロロベンゼン 0.01 mg/ℓ	−	−	−	3	3	1	0	0	0	0	0	43×10^5
〃 0.1 〃	−	−	3	3	3	0	1	0	0	0	−	39×10^5
〃 1 〃	−	3	3	3	3	2	0	0	0	−	−	93×10^5
〃 10 〃	3	3	3	3	3	0	0	0	0	−	−	23×10^5

(2) クロロベンゼン測定結果

経過日数	モノクロロベンゼン	
	亜硝酸菌	硝酸菌
0 日	4.90 mg/ℓ	4.91 mg/ℓ
1	3.56 〃	3.72 〃
6	2.02 〃	1.96 〃
7	1.88 〃	1.82 〃
8	1.69 〃	1.72 〃
9	1.88 〃	1.69 〃
13	1.61 〃	1.59 〃
15	1.54 〃	1.58 〃
21	1.56 〃	1.52 〃
27	1.39 〃	1.32 〃
33		1.38 〃
35		1.26 〃
41		1.25 〃

15) 1,4－ジクロロベンゼン（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	5	5	5	3	0	0	0	0	79×10^6
1,4－ジクロロベンゼン 0.01 mg/ℓ	−	−	−	5	5	5	3	0	0	0	0	79×10^6
〃 0.1 〃	−	5	5	5	5	5	4	1	0	−	−	17×10^7
〃 1.0 〃	−	5	5	5	5	5	4	0	0	−	−	13×10^7
〃 10 〃	0	5	5	5	5	5	5	1	0	−	−	35×10^7

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	−	−	−	5	5	4	2	0	0	0	0	22×10^6
1,4－ジクロロベンゼン 0.01 mg/ℓ	−	−	−	5	5	5	3	2	0	0	0	14×10^7
〃 0.1 〃	−	5	5	5	5	5	3	1	0	−	−	11×10^7
〃 1.0 〃	−	5	5	5	5	5	1	0	0	−	−	33×10^6
〃 10 〃	5	5	5	5	5	3	2	0	0	−	−	14×10^6

16) 1,4－ジクロルベンゼン（バイアルビン）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	3	3	3	2	0	0	0	0	93×10^6
1,4－ジクロロベンゼン 0.01 mg/ℓ	−	−	−	3	3	3	3	0	0	0	0	24×10^7
〃 0.1 〃	−	−	3	3	3	3	2	0	0	0	−	93×10^6
〃 1.0 〃	−	3	3	3	3	3	3	0	0	−	−	24×10^7
〃 10 〃	3	3	3	3	3	3	2	0	0	−	−	93×10^6

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	−	−	−	3	3	3	0	0	0	0	0	24×10^6
1,4－ジクロロベンゼン 0.01 mg/ℓ	−	−	−	3	3	3	1	0	0	0	0	46×10^6
〃 0.1 〃	−	−	3	3	3	3	0	0	0	0	−	24×10^6
〃 1.0 〃	−	3	3	3	3	2	0	0	0	−	−	93×10^5
〃 10 〃	3	3	3	3	3	1	1	0	0	−	−	75×10^5

(2) 1,4－ジクロロベンゼン測定結果

経過日数	1,4－ジクロロベンゼン	
	亜硝酸菌	硝酸菌
0 日	4.82 mg/ℓ	4.91 mg/ℓ
1	2.38 〃	2.24 〃
4	0 〃	0 〃

17) 1,2,4－トリクロロベンゼン（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	5	5	5	5	2	0	0	0	54×10^7
1,2,4－トリクロロベンゼン 0.01 mg/ℓ	－	－	－	5	5	5	5	1	0	0	0	35×10^7
〃　〃　0.1 〃	－	5	5	5	5	5	5	1	0	－	－	35×10^7
〃　1.0 〃	－	5	5	5	5	5	4	2	0	－	－	22×10^7
〃　10 〃	0	5	5	5	5	5	5	3	0	－	－	92×10^7

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	－	－	－	5	5	4	1	0	0	0	0	17×10^6
1,2,4－トリクロロベンゼン 0.01 mg/ℓ	－	－	－	5	5	4	0	0	0	0	0	13×10^6
〃　0.1 〃	－	5	5	5	5	4	2	0	0	－	－	22×10^6
〃　1.0 〃	－	5	5	5	5	3	3	0	0	－	－	18×10^6
〃　10 〃	5	5	5	5	5	4	0	0	0	－	－	13×10^6

18) 2－クロロフェノール（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	5	5	5	5	5	1	0	0	0	0	－	33×10^5
2－クロロフェノール 0.1 mg/ℓ	5	5	5	5	4	0	0	0	0	0	－	13×10^5
〃　1 〃	5	5	2	0	0	0	0	0	0	0	－	49×10^2
〃　10 〃	5	2	0	0	0	0	0	0	0	0	－	49×10^1
〃　50 〃	5	0	0	0	0	0	0	0	0	0	－	23×10^1
〃　100 〃	1	0	0	0	0	0	0	0	0	0	－	2×10^1

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	5	5	5	5	5	4	0	0	0	0	－	13×10^6
2－クロロフェノール 0.1 mg/ℓ	5	5	5	5	5	3	0	0	0	0	－	79×10^5
〃　1 〃	5	5	5	5	5	5	1	0	0	0	－	33×10^6
〃　10 〃	5	5	5	5	5	4	0	0	0	0	－	13×10^6
〃　50 〃	5	5	5	5	5	0	0	0	0	0	－	23×10^5
〃　100 〃	5	5	5	2	0	0	0	0	0	0	－	49×10^3

19) 2,4－ジクロロフェノール（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	5	5	5	3	1	0	0	0	11×10^7
2,4－ジクロロフェノール 0.01 mg/ℓ	－	－	－	5	5	5	4	0	0	0	0	13×10^7
〃　0.1 〃	－	5	5	5	5	5	3	1	0	－	－	11×10^7
〃　1.0 〃	－	5	5	5	4	1	0	0	0	－	－	17×10^5
〃　10 〃	5	5	0	0	0	0	0	0	0	－	－	24×10^2

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	－	－	－	5	5	5	2	0	0	0	0	49×10^6
2,4－ジクロロフェノール 0.01 mg/ℓ	－	－	－	5	5	5	1	0	0	0	0	33×10^6
〃　0.1 〃	－	5	5	5	5	5	1	0	0	－	－	33×10^6
〃　1.0 〃	－	5	5	5	5	5	2	1	0	－	－	7×10^7
〃　10 〃	5	5	5	5	5	5	2	1	0	－	－	7×10^7

20) 2,4－ジクロロフェノール（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	5	5	5	5	1	0	0	0	33×10^7
2,4－ジクロロフェノール 0.01 mg/ℓ	－	－	－	5	5	5	5	1	0	0	0	33×10^7
〃　0.1 〃	－	5	5	5	5	5	1	1	0	－	－	46×10^6
〃　1.0 〃	－	5	5	5	2	1	0	0	0	－	－	7×10^5
〃　10 〃	1	1	0	0	0	0	0	0	0	－	－	7×10^1

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	－	－	－	5	5	5	3	0	0	0	0	79×10^6
2,4－ジクロロフェノール 0.01 mg/ℓ	－	－	－	5	5	5	1	0	0	0	0	33×10^6
〃　0.1 〃	－	5	5	5	5	5	2	0	0	－	－	49×10^6
〃　1.0 〃	－	5	5	5	5	5	3	1	0	－	－	11×10^7
〃　10 〃	0	5	5	5	5	5	4	0	0	－	－	13×10^7

21) 2,4,6－トリクロロフェノール（試験管）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2 + NO_3) - N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	5	5	5	5	0	0	0	0	24×10^7
2,4,6－トリクロロフェノール 0.01 mg/ℓ	－	－	－	5	5	5	4	0	0	0	0	13×10^7
〃 0.1 〃	－	5	5	5	5	5	4	1	0	－	－	17×10^7
〃 1.0 〃	－	5	5	5	5	5	5	3	1	－	－	92×10^7
〃 10 〃	0	5	5	5	5	5	2	1	0	－	－	7×10^7

硝酸菌測定結果

（$NO_3 - N$ で判定）　（個/100 mℓ）

コントロール	－	－	－	5	5	5	2	0	0	0	0	49×10^6
2,4,6－トリクロロフェノール 0.01 mg/ℓ	－	－	－	5	5	4	2	1	0	0	0	26×10^6
〃 0.1 〃	－	5	5	5	5	5	1	0	0	－	－	33×10^6
〃 1.0 〃	－	5	5	5	5	3	0	0	0	－	－	79×10^5
〃 10 〃	5	5	5	5	5	1	0	0	0	－	－	33×10^5

22) 2,4,6－トリクロロフェノール（バイアルビン）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	3	3	3	3	2	0	0	0	93×10^7
2,4,6－トリクロロフェノール 0.01 mg/ℓ	－	－	－	3	3	3	3	0	0	0	0	24×10^7
〃 0.1 〃	－	－	3	3	3	3	3	0	0	0	－	24×10^7
〃 1.0 〃	－	3	3	3	3	3	1	0	0	－	－	43×10^6
〃 10 〃	0	3	3	3	3	3	3	0	0	－	－	24×10^7

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	－	－	－	3	3	2	0	0	0	0	0	93×10^5
2,4,6－トリクロロフェノール 0.01 mg/ℓ	－	－	－	3	3	2	0	0	0	0	0	93×10^5
〃 0.1 〃	－	－	3	3	3	3	0	0	0	0	－	24×10^6
〃 1.0 〃	－	3	3	3	3	3	1	0	0	－	－	46×10^6
〃 10 〃	3	3	3	3	3	1	0	0	0	－	－	43×10^5

(2) 2,4,6－トリクロロフェノール測定結果

経過日数	2,4,6－トリクロロフェノール	
	亜硝酸菌	硝酸菌
0 日	7.32 mg/ℓ	7.79 mg/ℓ
3	5.45 〃	4.77 〃
5	2.96 〃	2.70 〃
7	2.69 〃	2.85 〃
10	2.80 〃	2.11 〃
12	2.05 〃	2.62 〃
17	2.31 〃	2.04 〃
21	2.13 〃	2.23 〃
24	2.78 〃	2.08 〃
28	2.12 〃	2.09 〃
33		2.00 〃
42		2.00 〃

23) 2,3,4,6－テトラクロロフェノール（バイアルビン）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	3	3	3	3	2	0	0	0	93×10^7
2,3,4,6－テトラクロロフェノール 0.01 mg/ℓ	－	－	－	3	3	3	3	2	0	0	0	93×10^7
〃　0.1 〃	－	－	3	3	1	0	0	0	0	0	－	43×10^4
〃　1.0 〃	－	3	3	3	3	3	3	2	0	－	－	93×10^7
〃　10 〃	3	3	3	3	3	3	2	1	0	－	－	15×10^7

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	－	－	－	3	3	3	1	1	0	0	0	75×10^6
2,3,4,6－テトラクロロフェノール 0.01 mg/ℓ	－	－	－	3	3	3	1	0	0	0	0	43×10^6
〃　0.1 〃	－	－	3	3	0	0	0	0	0	0	－	23×10^4
〃　1.0 〃	－	3	3	3	3	2	1	0	0	－	－	15×10^6
〃　10 〃	3	3	3	3	3	3	0	0	0	－	－	24×10^6

(2) 2,3,4,6－テトラクロロフェノール測定結果

経過日数	2,3,4,6－テトラクロロフェノール	
	亜硝酸菌	硝酸菌
0 日	4.87 mg/ℓ	5.32 mg/ℓ
3	3.65 〃	3.20 〃
10	3.47 〃	4.84 〃
13	3.87 〃	4.72 〃
18	4.21 〃	4.86 〃
20	4.01 〃	4.12 〃
21	4.50 〃	4.01 〃
25	4.50 〃	4.25 〃
28	4.05 〃	4.01 〃
32	4.08 〃	4.12 〃
34	3.50 〃	2.75 〃
42		1.52 〃

24) 2,3,4,6－テトラクロロフェノール（バイアルビン）

(1) 結　果

亜硝酸菌測定結果

（$(NO_2+NO_3)-N$ で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	－	－	－	3	3	3	2	1	0	0	0	15×10^7
2,3,4,6－テトラクロロフェノール 0.01 mg/ℓ	－	－	－	3	3	3	3	0	1	0	0	39×10^7
〃　0.1 〃	－	－	3	3	2	3	2	2	0	0	－	21×10^7
〃　1.0 〃	－	3	3	3	3	3	1	0	0	－	－	43×10^6
〃　10 〃	3	3	3	3	3	3	0	0	0	－	－	23×10^6

硝酸菌測定結果

（NO_3-N で判定）　（個/100 mℓ）

コントロール	－	－	－	3	3	1	0	0	0	0	0	43×10^5
2,3,4,6－テトラクロロフェノール 0.01 mg/ℓ	－	－	－	3	3	1	0	0	0	0	0	43×10^5
〃　0.1 〃	－	－	3	3	3	1	1	0	0	0	－	75×10^5
〃　1.0 〃	－	3	3	3	3	1	1	0	0	－	－	75×10^5
〃　10 〃	3	3	3	3	3	1	1	0	0	－	－	75×10^5

(2) 2,3,4,6－テトラクロロフェノール測定結果

経過日数	2,3,4,6－テトラクロロフェノール	
	亜硝酸菌	硝酸菌
0　日	5.21 mg/ℓ	5.36 mg/ℓ
4	4.59 〃	4.78 〃
17	4.24 〃	4.56 〃
20	4.31 〃	4.69 〃
26	4.05 〃	4.36 〃
28	3.98 〃	4.17 〃
33		3.78 〃
38		3.06 〃
41		2.09 〃

25）ペンタクロロフェノール（バイアルビン）

(1) 結　果

亜硝酸菌測定結果

（(NO_2 + NO_3) − N で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	−	−	−	3	3	3	3	3	0	0	0	24×10^8
ペンタクロロフェノール 0.023 mg/ℓ	−	−	−	3	3	3	3	1	0	0	0	43×10^7
〃 0.23 〃	−	−	3	3	3	3	3	2	0	0	−	93×10^7
〃 2.3 〃	−	3	3	3	3	3	3	2	0	−	−	93×10^7
〃 23	3	3	3	3	3	3	3	1	0	−	−	43×10^7

硝酸菌測定結果

（NO_3 − N で判定）　（個/100 mℓ）

コントロール	−	−	−	3	3	2	0	0	0	0	0	93×10^5
ペンタクロロフェノール 0.023 mg/ℓ	−	−	−	3	3	3	1	0	0	0	0	43×10^6
〃 0.23 〃	−	−	3	3	3	0	2	0	2	0	−	64×10^5
〃 2.3 〃	−	3	3	3	3	3	2	2	0	−	−	21×10^7
〃 23	3	3	3	3	3	3	2	2	0	−	−	21×10^7

(2) ペンタクロロフェノール測定結果

経過日数	ペンタクロロフェノール	
	亜硝酸菌	硝酸菌
0 日	23.71 mg/ℓ	22.76 mg/ℓ
2	18.64 〃	17.20 〃
6	18.69 〃	17.60 〃
8	18.46 〃	16.10 〃
9	12.36 〃	14.76 〃
10	11.81 〃	12.94 〃
13	5.54 〃	6.78 〃
15	5.67 〃	5.04 〃
19	4.91 〃	3.91 〃
23	3.70 〃	3.68 〃
29	3.66 〃	3.65 〃
34	3.18 〃	3.26 〃
37	3.09 〃	3.18 〃
44	2.77 〃	3.04 〃

26） 2,5－ジクロロアニリン（試験管）

(1) 結　果

亜硝酸菌測定結果

（(NO_2 + NO_3)－N で判定）　（個/100 mℓ）

試料＼希釈	10^0	10^1	10^2	10^3	10^4	10^5	10^6	10^7	10^8	10^9	10^{10}	細菌数
コントロール	5	5	5	5	5	1	0	0	0	0	−	33×10^5
2,5－ジクロロアニリン 0.1 mg/ℓ	5	5	5	5	5	2	0	0	0	0	−	49×10^5
〃 1 〃	5	5	5	5	4	0	0	0	0	0	−	13×10^5
〃 5 〃	5	5	5	2	0	0	0	0	0	0	−	49×10^3
〃 10 〃	5	5	5	0	0	0	0	0	0	0	−	24×10^3
〃 50 〃	0	0	0	0	0	0	0	0	0	0	−	0

硝酸菌測定結果

（NO_3－N で判定）　（個/100 mℓ）

コントロール	5	5	5	5	5	5	2	0	0	0	−	49×10^6
2,5－ジクロロアニリン 0.1 mg/ℓ	5	5	5	5	5	4	0	0	0	0	−	13×10^6
〃 1 〃	5	5	5	5	5	3	0	0	0	0	−	79×10^5
〃 5 〃	5	5	5	5	5	2	0	0	0	0	−	49×10^5
〃 10 〃	5	5	5	5	5	1	0	0	0	0	−	33×10^5
〃 50 〃	5	5	5	2	1	0	0	0	0	0	−	70×10^3

5.4　添加化学物質の経時変化

添加化学物質によっては，試験期間中に揮散，あるいは分解により培地中の物質が減少することが考えられるため，硝化細菌培養中の化学物質の経時変化を測定した。細菌試験と並行して測定したものについては，硝化細菌測定結果の所に記載した。試験管を用いた方法，バイアルビンを用いた方法とも，細菌試験と同様な操作で行った。

1）クロロホルム，四塩化炭素，トリクロロエチレン，テトラクロロエチレン，1,1,1－トリクロロエタン　5物質混合（試験管，バイアルビン）

＊イオン交換蒸留水に5物質混合

		1988 10.27														11.17							
		0日目	1	2	3	5	6	7	9	12	13	16	19	20	21	22	23	26	29	30	33	36	41
		(ppb)																					
試験管	クロロホルム	59.3	31.2	20.9	14.0	1.55	1.66	0		0													
	1,1,1－トリクロロエタン	6.61	3.68	2.68	2.11	1.63	1.02	0.88		0.62													
	四塩化炭素	0.59	0.30	0.21	0.11	0.02	0.06	0.03		0													
	トリクロロエチレン	70.3	28.1	23.8	12.5	3.34	2.20	1.11		0													
	テトラクロロエチレン	9.85	3.53	4.29	2.36	1.01	0.89	0.80		0													
バイアルビン8㎖	クロロホルム	59.3	55.9	55.0	54.1	51.8		48.5	50.2	46.0	47.6	48.5	51.9	51.5	52.1	41.9	42.4	50.8	52.2	55.0	55.0	49.3	45.1
	1,1,1－トリクロロエタン	6.61	7.17	7.67	5.67	5.25		5.30	5.12	5.33	5.54	5.18	4.64	5.30	4.74	3.87	4.17	4.27	4.16	6.27	6.20	5.52	6.27
	四塩化炭素	0.59	0.49	0.42	0.40	0.36		0.28	0.28	0.22	0.20	0.21	0.26	0.23	0.26	0.18	0.18	0.19	0.20	0.24	0.24	0.23	0.23
	トリクロロエチレン	70.3	60.3	55.0	49.6	44.6		38.1	37.5	31.7	30.9	30.6	25.7	25.3	25.9	24.7	25.3	21.3	25.5	24.3	23.2	23.6	20.1
	テトラクロロエチレン	9.85	6.14	5.78	4.10	4.07		1.69	1.69	1.97	1.52	1.67	1.66	1.41	1.29	1.63	1.29	1.32	1.49	1.81	1.89	1.82	1.91

2）クロロホルム，トリクロロエチレン，1,1,1－トリクロロエタン，3物質混合（試験管，バイアルビン）

＊イオン交換蒸留水に3物質混合

		1988 11.30	12.1	12.2	12.5	12.6	12.8	12.14	12.16	12.20	12.22	12.27	1989 1.6	1.13	1.23	2.1
		0日目	1	2	5	6	8	14	16	20	22	27	37	44	54	62
試験管	クロロホルム	(PPm) 10.9	5.76	4.50	(PPb) (490) 0.49	(323) 0.32	(78.5) 0.08	0	0							
	1,1,1－トリクロロエタン	0.75	0.49	0.32	(39.8) 0.04	(36.8) 0.04	(3.56) 0.004	(0.09)	0							
	トリクロロエチレン	7.63	4.77	3.13	(377) 0.38	(392) 0.39	(57.1) 0.06	(1.47)	0							
バイアルビン8㎖	クロロホルム	(PPm) 10.9		11.0		7.84	7.43	7.46	7.86	7.32	6.81	7.06	8.31	6.69	5.07	4.92
	1,1,1－トリクロロエタン	0.75		0.83		0.32	0.54	0.38	0.33	0.26	0.32	0.24	0.33	0.25	0.14	0.16
	トリクロロエチレン	7.63		5.96		4.39	4.74	3.40	3.51	1.35	1.41	1.26	1.28	1.27	0.78	0.90

3）四塩化炭素，テトラクロロエチレン，2物質混合（試験管，バイアルビン）

＊イオン交換蒸留水に2物質混合

		1988 11.30	12.1	12.2	12.5	12.6	12.8	12.14	12.16	12.20	12.22	12.27	1989 1.6	1.13	1.23	2.1
		0日目	1	2	5	6	8	14	16	20	22	27	37	44	54	62
試験管	四塩化炭素	(PPm) 0.58	0.34	(PPb) (83.3) 0.08	(9.13) 0.009	(10.4) 0.01	(2.45) 0.002	－	(0.31)							
	テトラクロロエチレン	8.50	6.85	1.46	(156) 0.16	(221) 0.22	(28.9) 0.03	－	(3.47)							
バイアルビン8㎖	四塩化炭素	(PPm) 0.58		0.21		0.27	0.26	0.20	0.17	0.14	0.11	0.14	0.11	0.05	0.04	0.05
	テトラクロロエチレン	8.50		2.36		2.45	2.44	1.60	0.93	－	0.38	0.45	0.27	0.27	0.09	0.12

4）クロロホルム，トリクロロエチレン，1,1,1－トリクロロエタン，3物質混合
（フランビン満杯）

フランビンにサンプルを満杯に入れ栓をする　3物質混合

		1988 11.30	12.8	12.16	12.27	1989 1.6	1.13	1.23	2.1
		0日目	8	16	27	37	44	54	62
フランビン		(PPm)							
	クロロホルム	10.9	12.3	14.3	14.5	13.3	11.9	9.45	12.0
	1,1,1－トリクロロエタン	0.75	0.72	0.96	1.23	1.51	1.36	0.58	0.79
	トリクロロエチレン	7.63	9.56	13.4	10.3	12.5	11.9	6.12	7.90

5）クロロホルム，トリクロロエチレン，1,1,1－トリクロロエタン，3物質混合
（バイアルビン満杯）

バイアルビンにサンプルを満杯に入れて栓をする　3物質混合

		1988 12.22	12.27	1989 1.6	1.13	1.23	2.1
		0日目	5	15	22	32	41
バイアルビン12mℓ		(PPm)					
	クロロホルム	15.2	13.4	14.2	14.7	7.52	7.53
	1,1,1－トリクロロエタン	1.52	1.68	0.98	0.90	0.78	0.52
	トリクロロエチレン	6.38	5.55	4.66	3.72	1.52	1.88

6）1,4－ジクロロベンゼン（試験管）

経過日数	濃　度
0 Hr	47.9 mg/ℓ
1 〃	45.1 〃
2 〃	45.0 〃
3 〃	45.1 〃
4 〃	44.5 〃
5 〃	45.8 〃
6 〃	47.7 〃
7 〃	47.8 〃
3 day	25.0 〃
5 〃	15.4 〃
7 〃	8.2 〃
10 〃	1.5 〃

7）2－クロロフェノール（試験管）

経過日数	濃　度
0 day	88.6 mg/ℓ
7 〃	70.7 〃
14 〃	62.1 〃
21 〃	48.4 〃
35 〃	34.9 〃

8）2,5－ジクロロアニリン（試験管）

経過日数	濃　度
0 day	73.5 mg/ℓ
7 〃	70.3 〃
14 〃	63.3 〃
21 〃	52.9 〃
35 〃	54.8 〃

6. 原生動物に及ぼす有機塩素化合物の影響

6.1 目 的

活性汚泥生物群集を構成する原生動物は，浄化機構における生態的地位からみて，浄化担当生物として極めて重要な生物である。また，その形態的特性と水質環境との係わりから，活性汚泥の維持管理指標生物として位置付けられている。本調査は，原生動物のこれらの特性に着目し，有機塩素化合物の活性汚泥生態系及び浄化機能等に対する影響を原生動物を用いて検討し，同物質に対する指標生物としての原生動物の位置付けについて試行的に検討を行ったものである。

6.2 実験 (1)

6.2.1 実験方法

1）実験に用いた原生動物

今回の実験に使用した淡水産の自由生活性原生動物は，繊毛虫膜口類に属する Paramecium caudatum，繊毛虫異毛類 Blepharisma japonicum，根足虫太陽虫類 Echinosphaerium akamae，繊毛虫下毛類 Stylonychia mytilus，鞭毛虫ユーグレナ類の Euglena gracilis と Astasia longa の6種類である。Astasia longa を除く5種類の原生動物の形態のスケッチを図－6.1に示す。Astasia longa は，形態的に Euglena gracilis とほぼ同一であるが，細胞内に葉緑体を有していないという点のみ Euglena gracilis と異なっている。

2）試験液の調製

今回の実験に用いた試験対象有機塩素化合物は，次の4種類である。

o-クロロフェノール（o-Chlorophenol，ClC_6H_4OH）

2,4－ジクロロフェノール（2,4-Dichlorophenol，$Cl_2C_6H_3OH$）

1,1,1-トリクロロエタン（1,1,1-Trichloroethane，Cl_3CCH_3）

トリクロロエチレン（Trichloroethylene，$ClCH:CCl_2$）

これらはすべて和光純薬工業㈱製の特級試薬を用いた。Paramecium caudatum，Blepharisma japonicum，Echinosphaerium akamae，Stylonychia mytilus の実験に際しては，原生動物の一般的培養液であるクノップ（Knop）氏液（組成は下に示す）の100㎖中にそれぞれ0.129g，0.131g，0.133g，0.163g を加え，1×10^{-2} M の原液とした。Euglena gracilis と Astasia longa の実験に際しては，Euglena 用の培養液の中に上記の量の試薬を加え，同様に 1×10^{-2} M の原液とした。これらの試薬のうち，1,1,1-トリクロロエタンとトリクロロエチレンとは水に難溶性であるため，これらは完全には溶解しなかった。そこで，上記の方法により調製した原液を一昼夜以上室温にて放置し，試薬が飽和状態としたものを便宜上 1×10^{-2} M の原液として用いた。これらの塩素化合物は揮発性が高いために，ガラス製の密閉試薬瓶に入れて保存した（写真－6.1）。

クノップ液の組成：2.42×10^{-5}M $Ca(NO_3)_2$

1.41×10^{-5}M KNO_3

5.80×10^{-6}M $MgSO_4$

1.05×10^{-5}M KH_2PO_4

3）Paramecium caudatum に関する実験方法

Paramecium caudatum は，稲藁の浸出液を用いて，500 mℓビーカーで室温培養した（写真－6.2）。実験には，対数増殖期の細胞を用い，その細胞濃度は，1×10^2 cells/mℓ程度であった。実験にあたっては，数種類の濃度の試薬を5 mℓづつ調製し，その中に1 mℓづつの Paramecium 懸濁液を加えた。Paramecium 懸濁液の加わった試験液を，小型シャーレ中に移したあと，実体顕微鏡下で先細ピペットを用いて約20個体の Paramecium を手早く集めた。集めた Paramecium はスライドグラスの上に少量の実験液とともに載せ，ワセリンを用いてカバーグクスで密閉封入した（図－6.2）。このような試料を1試薬濃度に対して数個準備した。細胞の個体数を，封入直後と，一定時間後に計数し，それぞれの試料についての死亡率を算出した。実験の様子を写真－6.3に示す。実験は，Paramecium に限らず全ての場合実験室の室温（20±2℃）にておこなった。

4）Blepharisma japonicum に関する実験方法

Blepharisma japonicum はレタスの浸出液中に少量の炭酸カルシウムを加えたものを培養液とし，15 mℓの培養液中に餌として好気性バクテリア（Klebsiella pneumoniae）と米粒1個を加えた。この中に Blepharisma japonicum を約2000～3000 cells/mℓで入れ，2～3週間後に定常期に達した個体を実験に用いた。Blepharisma の培養の様子は写真－6.4に示した。実験にあたっては，数種類の濃度の試薬を1 mℓづつ調製し，その中に50 μℓ以下の Blepharisma 懸濁液をそれぞれ加えた。Blepharisma 懸濁液の加わった試験液を，小型シャーレ中に移したあと，実体顕微鏡の下で先細ピペットを用いて約20個体の Blepharisma を手早く集めた。集めた Blepharisma はスライドグラスの上に少量の実験液とともに載せ，Paramecium の場合と同様にカバーグラスで密閉封入した。このような試料を1試薬濃度に対して数個準備した。細胞の個体数を，封入直後と，一定時間後に計数し，それぞれの試料についての死亡率を算出した。

5）Echinosphaerium akamae に関する実験方法

Echinosphaerium akamae は，Knop 氏液中で，小型繊毛虫・鞭毛虫（Paramecium，Chilomonas）などを餌として培養した。培養には，直径9 cmのプラスチックシャーレを用いて，シャーレ当り100～300個体になったところで，先細ピペットを用いて1個体づつ採取した。培養の様子を写真－6.5に示す。実験にあたっては，数種類の濃度の試薬を5 mℓづつ調製し，小型シャーレ中に移したあと，その中に50細胞の Echinosphaerium を加えた。Echinosphaerium は実験液とともに，実体顕微鏡の下で先細ピペットを用いて数個体づつスライドグラスの上に載せ，Paramecium の場合と同様にワセリンを用いてカバーグラスで密閉封入した。このような試料を1試薬濃度に対して数個準備した。細胞の個体数を，封入直後と，一定時間後に計数し，それぞれの試料について

の死亡率を算出した。

6）Stylonychia mytilus に関する実験方法

Stylonychia mytilus は，Echinosphaerium akamae の培養法により，プラスチックシャーレを用いて培養した。実験の方法も，Echinosphaerium akamae の場合と同様である。

7）Euglena gracilis に関する実験方法

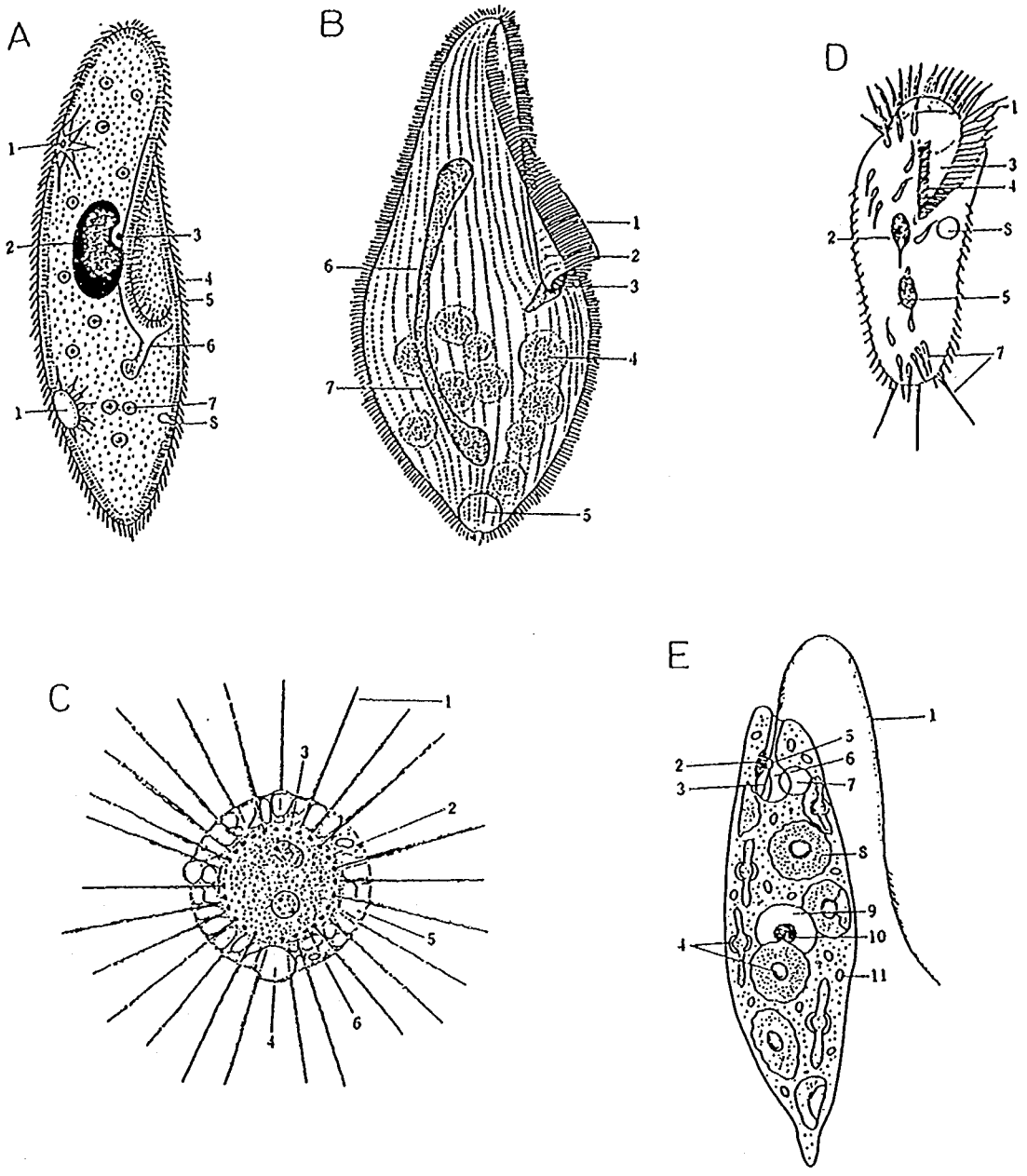
Euglena gracilis は，Euglena 用培養液（0.1％酵母エキス，0.1％ペプトン，0.2％酢酸ナトリウム）中で，無菌的に培養した。実験に用いたのは，対数増殖期の細胞（10^6 cells/mℓ）である。実験に際しては，1.5 mℓの細胞懸濁液に，同量の試薬液を加え，加えた直後と一定時間後の細胞懸濁液の濁度（遊泳細胞の吸光度）を分光光度計（東京光電 No. 4184）で，470 nm の波長で測定した。細胞が死ぬと鞭毛運動が停止し，細胞は試験管の底に沈降するため上澄の細胞濃度は低下する。ただし，生きている細胞の中にも，試薬を加えたショックで鞭毛運動を一時的に停止させているものもあるために，これらの細胞がすべて回復した，試薬投与後4時間の時点で測定をおこなった。懸濁液の濁度と，血球計算板で計数した細胞濃度とは，比例関係にあった（図－6.3）。そこで，この関係を用いて細胞の死亡率を計算した。

8）Astasia longa に関する実験方法

Astasia longa に関する実験は，すべて Euglena gracilis の場合に準じておこなった。細胞懸濁液の濁度と，血球計算板で計数した細胞濃度とは，比例関係にあった（図－6.4）。

9）細胞形態の観察

実験に用いた細胞は，計測と平行して，あるいは全ての計数が終了した後，光学顕微鏡により観察・撮影された（写真－6.6）。用いた顕微鏡はオリンパス社製 BHS 顕微鏡に，ノマルスキー微分干渉装置を取り付けたものである。顕微鏡画像は，カラー CCD テレビカメラ（オリンパス FCD－720）により撮影し，ビデオテープレコーダー（ビクター HR－D 45）を用いて記録した。カメラとテープレコーダーとの間には，パソコン（エプソン PC－286 LS）を経由させて，適当なコメント文をスーパーインポーズ記録した。典型的な細胞の画像は，カラービデオプリンター（日立 VY－110）によりプリントした。



図－6.1　実験に用いた原生動物の模式図
（重中義信監修，原生動物の観察と実験法より）。

A：Paramecium caudatum　1. 収縮胞　2. 大核　3. 小核　4. 繊毛
5. 毛胞　6. 細胞咽頭　7. 食胞　8. 細胞肛門

B：Blepharisma japonicum　1. 波動膜　2. 囲口部　3. 細胞口　4. 食胞
5. 収縮胞　6. 大核　7. 小核

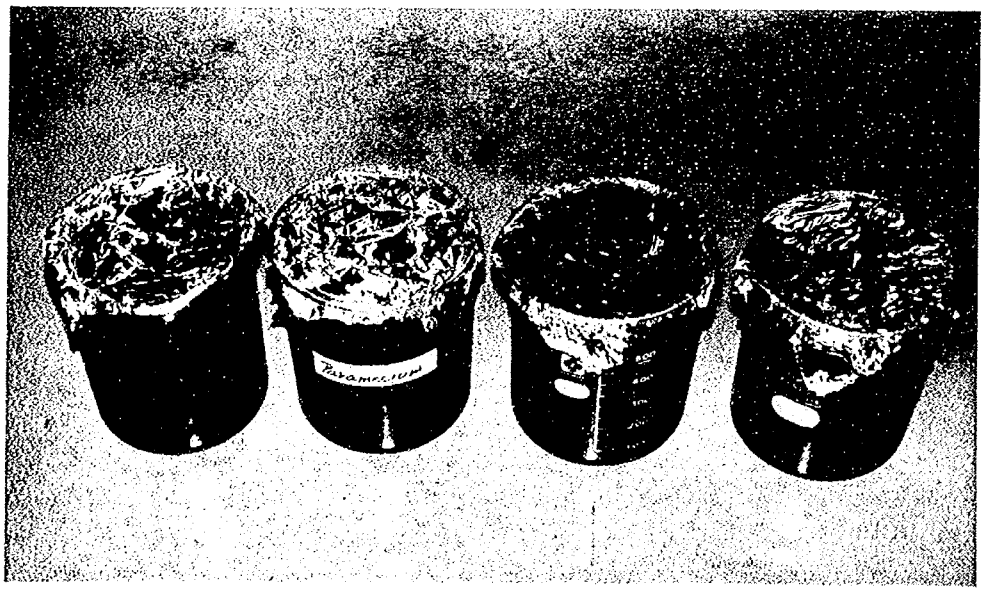
C：Echinosphaerium akamae　1. 軸足　2. 核　3. 食胞　4. 収縮胞
5. 外質部の液胞　6. 内質

D：Stylonychia mytilus　1. 口前小膜帯　2. 小核　3. 囲口部　4. 波動膜
5. 大核　7. 棘毛　8. 収縮胞

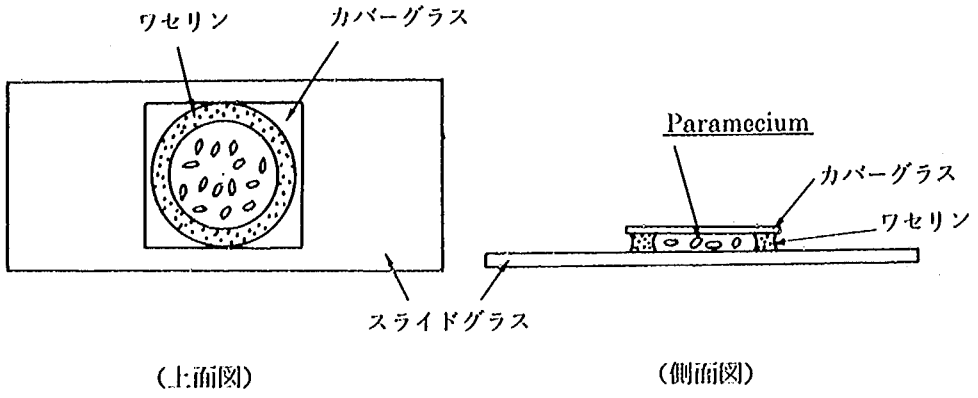
E：Euglena gracilis　1. 主鞭毛　2. 眼点　3. 副鞭毛
4. ピレノイド上のパラミロン鞘　5. 感光点　6. 貯胞　7. 収縮胞
8. 葉緑体　9. 核　10. カリオソーム　11. パラミロン粒



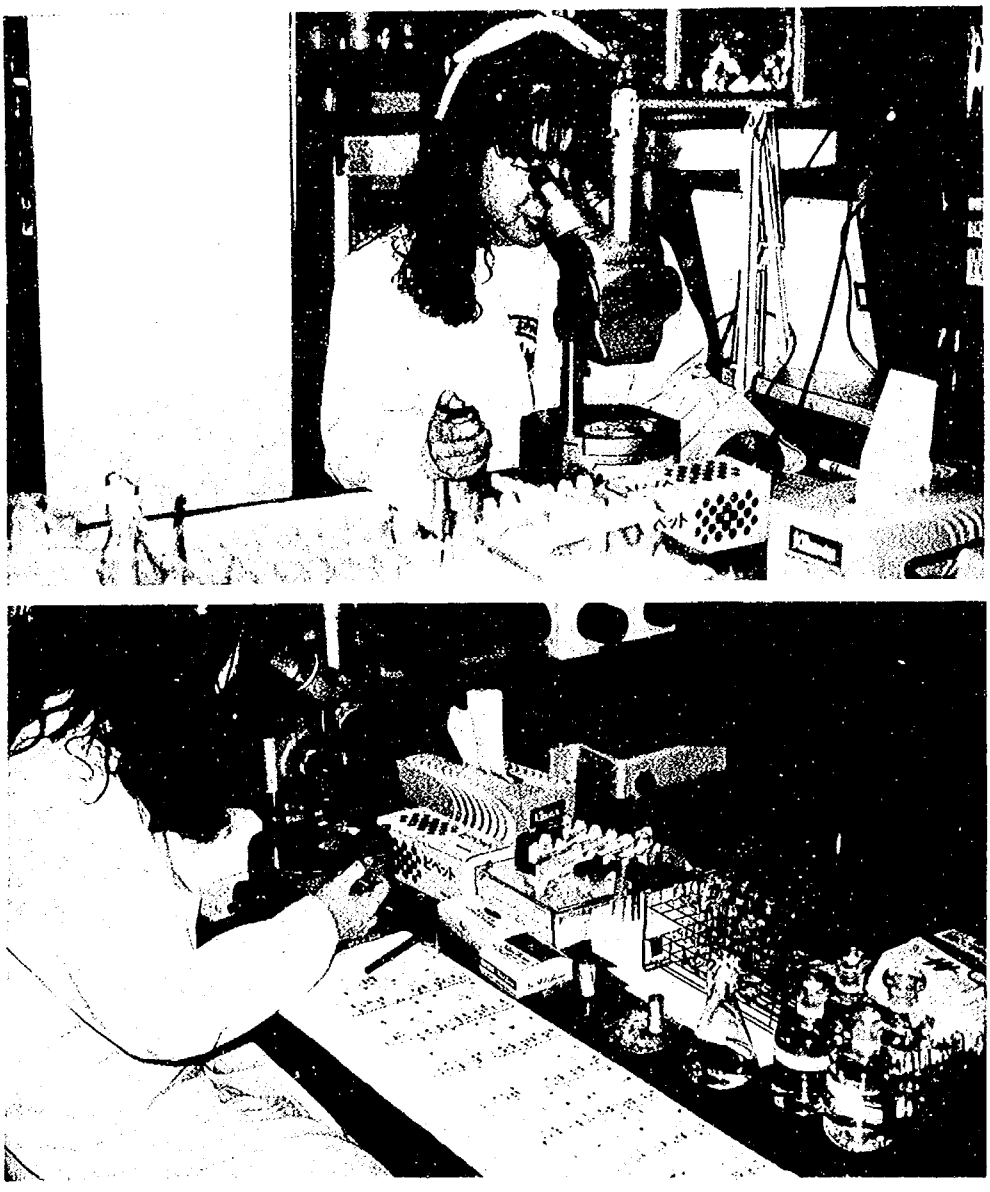
写真－ 6.1　塩素化合物の 10 mM 原液の保存状態



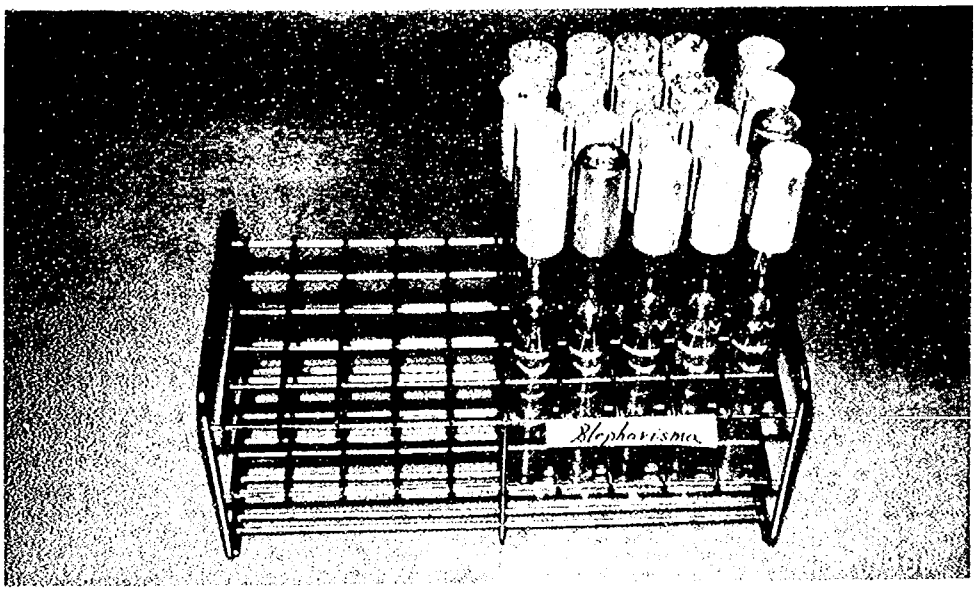
写真－ 6.2　Paramecium caudatum の培養状態



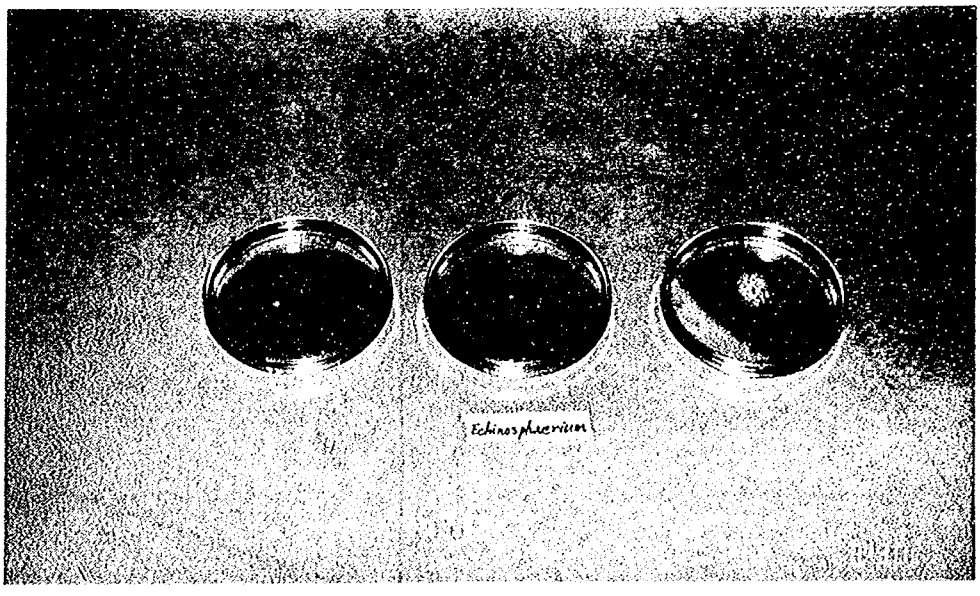
図－ 6.2　　原生動物の計数と形態観察に用いた密閉型プレパラート



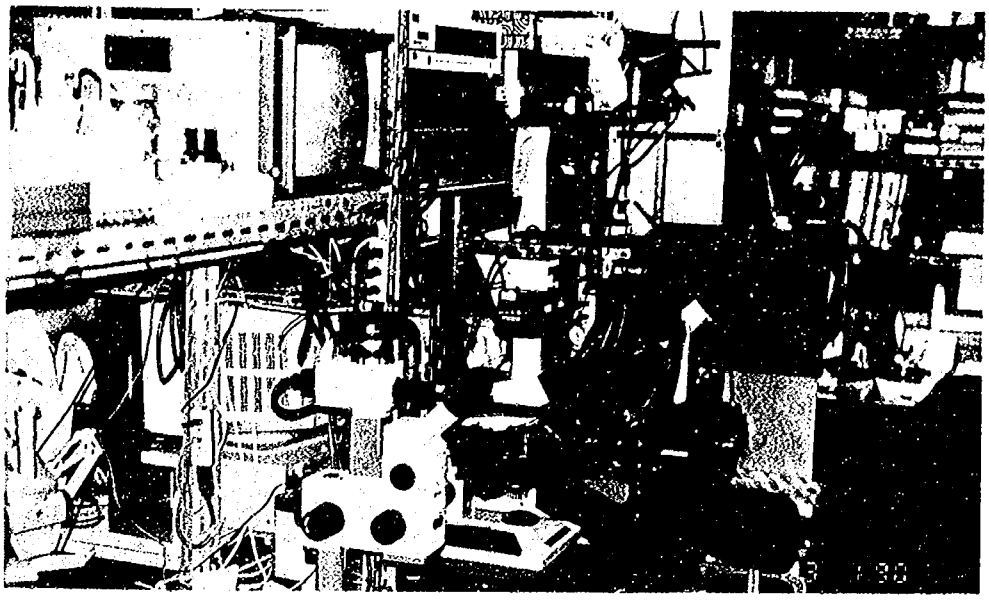
写真－ 6.3　原生動物に及ぼす有機塩素化合物の影響を調べる実験の様子



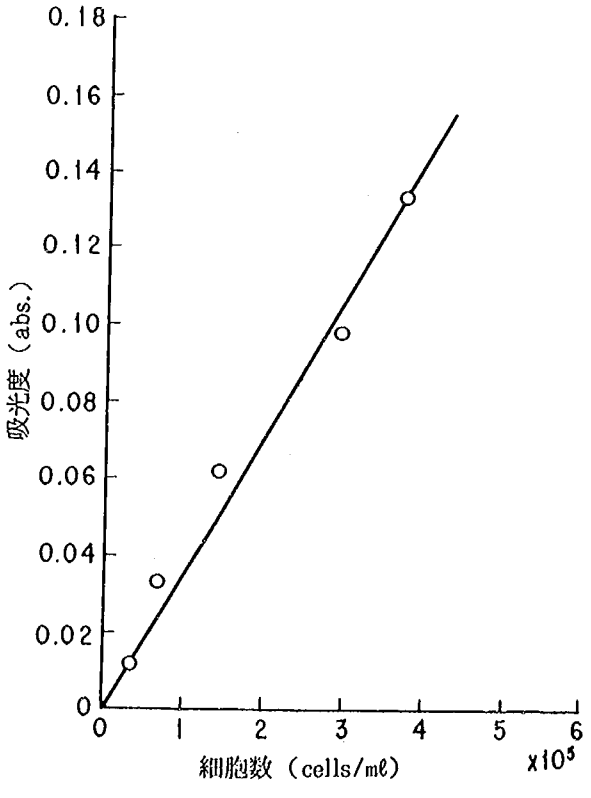
写真－6.4　Blepharisma japonicum の培養状態



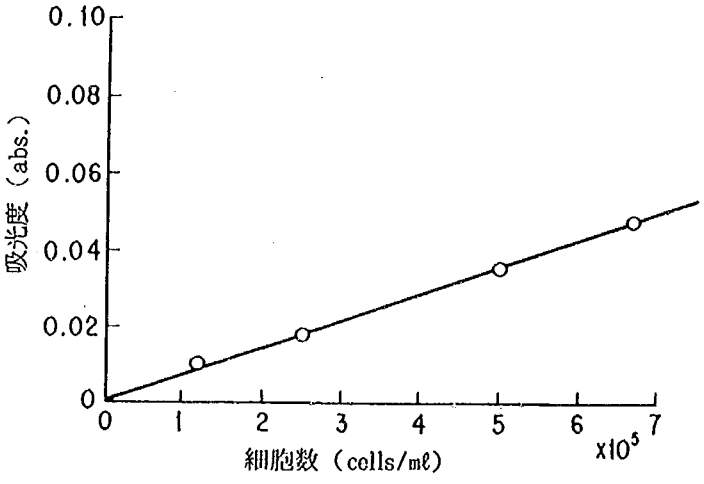
写真－6.5　Echinosphaerium akamae の培養状態



写真－ 6.6　原生動物の細胞形態観察に用いた顕微鏡・ビデオ装置



図－ 6.3
Euglena gracilis の細胞濃度と濁度(470nmで測定)との関係。縦軸には細胞懸濁液の濁度を，横軸は細胞濃度を示す。グラフより，細胞濃度と濁度とは，比例関係にあることがわかる。



図－ 6.4
Astasia longa の細胞濃度と濁度（470nmで測定）との関係。縦軸には細胞懸濁液の濁度を，横軸は細胞濃度を示す。グラフより，細胞濃度と濁度とは，比例関係にあることがわかる。

6.2.2　実験結果

1）Paramecium caudatum に関する実験結果

(1) 2-クロロフェノール

表－6.1　予備実験：4時間後の死亡率

濃度(mM)	死亡個体／全個体	死亡率(%)
5.00	すべて死亡	100
3.33	21/25, 20/20, 27/27, 25/26	95.1
2.92	23/24, 16/21, 16/20, 20/27	81.5
2.50	4/19, 3/24, 7/24, 7/24	23.0
2.01	2/23, 2/29, 5/22, 4/19	14.9
1.67	2/22, 1/21, 0/25, 0/24	3.5
1.20	0/16, 0/11, 0/18, 1/15	1.7
1.00	すべて生存	0

表－6.2　1時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
3.33	16/16, 20/21, 20/21, 23/23	100
3.21	18/18, 20/20, 18/18, 24/24	100
2.92	11/15, 22/23, 22/23, 19/19	92.5
2.50	8/23, 9/25, 4/18, 7/20	
	1/21, 1/21, 10/20, 17/26	
	19/20, 18/24, 11/21, 7/20	
	6/24, 10/20, 7/20, 10/25	41.7
2.08	1/19, 0/12, 0/15, 0/17	1.6
2.01	0/21, 0/22, 0/21, 0/21	0
1.67	0/22, 0/20, 0/17, 0/24	0

表－6.3　2時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
3.33	16/16, 21/21, 21/21, 23/23	100
3.21	18/18, 20/20, 18/18, 24/24	100
2.92	15/15, 23/23, 23/23, 19/19	100
2.50	8/23, 13/25, 4/18, 7/20	
	5/21, 1/21, 11/20, 22/26	
	20/20, 24/24, 11/21, 7/20	
	15/24, 11/20, 10/20, 14/25	52.6
2.08	1/19, 0/12, 1/15, 2/17	3.2
2.01	0/21, 2/22, 0/21, 0/21	2.4
1.67	0/22, 0/20, 0/17, 0/24	0

表－6.4　3時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
3.33	16/16, 21/21, 21/21, 23/23	100
3.21	18/18, 20/20, 18/18, 24/24	100
2.92	15/15, 23/23, 23/23, 19/19	100
2.50	19/23, 14/25, 4/18, 7/20	
	5/21, 3/21, 11/20, 22/26	
	20/20, 24/24, 11/21, 8/20	
	15/24, 11/20, 10/20, 18/25	58.0
2.08	1/19, 0/12, 1/15, 3/17	7.9
2.01	0/21, 2/22, 0/21, 0/21	2.4
1.67	0/22, 0/20, 0/17, 0/24	0

表－6.5　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
3.33	16/16, 21/21, 21/21, 23/23	100
3.21	18/18, 20/20, 18/18, 24/24	100
2.92	15/15, 23/23, 23/23, 19/19	100
2.50	20/23, 18/25, 4/18, 7/20	
	5/21, 4/21, 13/20, 22/26	
	20/20, 24/24, 11/21, 8/20	
	16/24, 13/20, 13/20, 18/25	62.1
2.08	2/19, 0/12, 1/15, 3/17	9.5
2.01	0/21, 2/22, 0/21, 0/21	2.4
1.67	0/22, 0/20, 0/17, 0/24	0

(2) 2,4－ジクロロフェノール

表－6.6 予備実験：4時間後の死亡率

濃度(mM)	死亡個体／全個体	死亡率(%)
0.42	16/16, 15/15,	100
0.33	19/23, 23/24, 22/22, 22/22	94.6
0.29	21/21, 22/26, 13/23, 15/26	74.7
0.25	5/20, 13/17, 11/12, 18/19	57.5
0.21	2/25, 0/20, 9/14, 2/14	21.5
0.17	0/19, 4/19, 2/21, 0/21	7.8
0.13	1/19, 0/16, 0/20, 0/16	1.3
0.08	0/18, 0/21, 0/16, 0/17	0

表－6.7 1時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.42	15/18, 16/16, 18/18, 26/26	96.2
0.33	6/21, 9/21, 18/22	51.6
0.25	1/21, 2/21, 10/18, 7/20	25.0
0.17	0/21, 0/19, 0/20, 0/25	0
0.08	0/24, 0/27, 0/31, 0/26	0

表－6.8 2時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.42	15/18, 16/16, 18/18, 26/26	96.2
0.33	6/21, 9/21, 21/22	56.3
0.25	1/21, 2/21, 10/18, 10/20	28.8
0.17	1/21, 0/19, 1/20, 0/25	2.4
0.08	0/24, 0/27, 0/31, 0/26	0

表－6.9 3時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.42	15/18, 16/16, 18/18, 26/26	96.2
0.33	6/21, 9/21, 21/22	56.3
0.25	3/21, 3/21, 10/18, 12/20	35.0
0.17	1/21, 0/19, 1/20, 1/25	3.5
0.08	0/24, 0/27, 0/31, 0/26	0

表－6.10 4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.42	15/18, 16/16, 18/18, 26/26	96.2
0.33	6/21, 12/21, 22/22	62.5
0.25	3/21, 3/21, 12/18, 12/20	37.5
0.17	1/21, 0/19, 1/20, 2/25	4.7
0.08	0/24, 0/27, 0/31, 0/26	0

(3) 1,1,1－トリクロロエタン

表－6.11 予備実験：4時間後の死亡率

濃度(mM)	死亡個体／全個体	死亡率(%)
8.3	15/15, 16/16, 6/12, 13/14	85.7
7.9	4/14, 5/10, 5/17, 5/15	35.3
7.5	2/94, 1/9, 1/10, 2/10	15.8
7.1	2/16, 0/15, 2/14, 2/16	9.8
6.7	0/12, 0/13, 4/12, 0/12	8.3
5.8	0/12, 0/15, 0/11, 0/12	0

表－6.12 1時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
8.3	0/29, 0/21, 0/23, 0/21	0
7.9	0/19, 0/19, 0/16, 1/19	1.4
7.5	2/20, 0/18, 0/20, 0/20	2.6
7.1	0/24, 0/23, 0/21, 0/16	0
6.7	0/25, 0/19, 0/21, 0/21	0

表－6.13 2時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
8.3	0/29, 0/21, 0/23, 0/21	0
7.9	0/19, 2/19, 3/16, 1/19	8.2
7.5	2/20, 0/18, 1/20, 1/20	5.1
7.1	2/24, 1/23, 0/21, 0/16	4.1
6.7	1/25, 1/19, 0/21, 0/21	2.3

表－6.14 3時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
8.3	0/29, 1/21, 1/23, 1/21	3.2
7.9	0/19, 2/19, 1/16, 1/19	5.5
7.5	2/20, 0/18, 1/20, 1/20	5.1
7.1	2/24, 1/23, 0/21, 0/16	3.6
6.7	1/25, 1/19, 1/21, 1/21	4.7

表－6.15 4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
8.3	0/29, 1/21, 2/23, 1/21	4.3
7.9	0/19, 2/19, 1/16, 1/19	5.5
7.5	3/20, 1/18, 1/20, 1/20	7.7
7.1	2/24, 1/23, 0/21, 0/16	3.6
6.7	2/25, 1/19, 1/21, 1/21	5.8

(4) トリクロロエチレン

表－6.16 予備実験：4時間後の死亡率

濃度(mM)	死亡個体／全個体	死亡率(%)
8.3	14/14, 10/12	91.7
7.9	10/17, 13/17, 8/11	69.4
7.5	4/12, 6/15, 5/14, 11/13	48.4
7.1	8/13, 4/11, 9/16, 5/11	49.9
6.7	8/20, 8/19, 4/19,	34.3
6.3	0/19, 0/16, 1/18, 3/19	5.4
5.8	0/18, 1/18	2.8
5.0	1/14, 0/14, 2/18, 0/17	2.1

表－6.17 1時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
7.9	1/24, 2/23, 0/21, 0/19	3.4
7.5	0/15, 0/17, 0/22, 0/15	0
7.1	0/23, 0/21, 0/20, 0/20	0
6.7	0/21, 0/19, 0/18, 0/22	0
6.3	0/22, 0/24, 0/19, 0/20	0

表－6.18 2時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
7.9	5/24, 2/23, 1/21, 1/19	10.3
7.5	1/15, 1/17, 1/22, 0/15	5.1
7.1	1/20, 1/20, 0/21, 0/23	2.4
6.7	0/18, 0/22, 0/21, 0/19	0
6.3	0/20, 0/19, 0/22, 0/24	0

表－6.19 3時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
7.9	6/24, 1/23, 1/21, 1/19	10.3
7.5	1/15, 1/17, 1/22, 1/15	6.0
7.1	1/20, 1/20, 0/21, 0/23	2.4
6.7	1/18, 1/22, 0/21, 1/19	3.8
6.3	0/20, 0/19, 0/22, 0/24	0

表－6.20 4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
7.9	8/24, 1/23, 2/21, 1/19	13.8
7.5	1/15, 1/17, 1/22, 0/15	4.3
7.1	2/20, 1/20, 0/21, 0/23	3.6
6.7	1/18, 1/22, 0/21, 1/19	3.8
6.3	0/20, 0/19, 1/22, 1/24	2.4

2） Blepharisma japonicum に関する実験結果

(1) 2-クロロフェノール

表－6.21　1時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
5.0	19/23, 12/23, 23/23, 23/23	83.7
4.5	13/15, 4/18, 4/17, 21/21	59.2
4.0	0/21, 0/20, 2/20, 0/23	2.4
3.5	3/24, 1/21, 0/22, 1/19	5.8
3.0	0/23, 0/24, 0/25, 0/20	0
2.5	3/20, 0/20, 0/21, 0/22	3.7
2.0	0/23, 0/25, 0/24, 0/23	0

表－6.22　2時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
5.0	23/23, 20/23, 23/23, 23/23	96.7
4.5	15/15, 15/18, 11/17, 2/21	60.6
4.0	1/21, 1/20, 1/20, 1/23	4.8
3.5	10/24, 16/21, 0/22, 8/19	39.5
3.0	3/23, 8/24, 0/25, 9/20	21.7
2.5	12/20, 0/20, 7/21, 7/22	31.3
2.0	1/23, 4/25, 0/24, 0/23	5.3

表－6.23　3時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
5.0	23/23, 22/23, 23/23, 23/23	98.9
4.5	15/15, 18/18, 15/17, 2/21	70.4
4.0	2/21, 12/20, 3/20, 6/23	27.4
3.5	14/24, 21/21, 1/22, 14/19	58.1
3.0	7/23, 8/24, 8/25, 20/20	46.7
2.5	20/20, 6/20, 13/21, 11/22	60.2
2.0	1/23, 11/25, 1/24, 0/23	13.7

表－6.24　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
5.0	23/23, 22/23, 23/23, 23/23	98.9
4.5	15/15, 18/18, 16/17, 2/21	71.8
4.0	7/21, 17/20, 3/20, 15/23	50.0
3.5	19/24, 21/21, 3/22, 18/19	70.9
3.0	13/23, 22/24, 11/25, 20/20	71.7
2.5	20/20, 14/20, 20/21, 17/22	85.5
2.0	3/23, 21/25, 2/24, 4/23	31.6

(2) 2,4－ジクロロフェノール

表－6.25　1時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.50	6/27, 2/22, 4/23, 13/20	27.2
0.45	3/21, 6/21, 10/20, 11/25	34.5
0.40	0/21, 1/21, 0/20, 0/22	1.2
0.35	0/19, 3/21, 0/21, 0/22	3.6
0.30	0/18, 0/20, 0/17, 0/20	0
0.25	0/21, 0/22, 0/24, 0/20	0
0.20	0/17, 0/17, 0/18, 0/19	0

表－6.26　2時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.50	12/27, 11/22, 10/23, 20/20	57.6
0.45	8/21, 17/21, 18/20, 24/25	77.0
0.40	0/21, 9/21, 1/20, 0/22	11.9
0.35	3/19, 11/21, 0/21, 9/22	27.7
0.30	0/18, 1/20, 2/17, 4/20	9.3
0.25	0/21, 1/22, 0/24, 0/20	1.1
0.20	0/17, 0/17, 0/18, 0/19	0

表－6.27　3時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.50	17/27, 22/22, 16/23, 20/20	81.5
0.45	14/21, 21/21, 20/20, 25/25	91.9
0.40	1/21, 16/21, 4/20, 9/22	36.1
0.35	6/19, 18/21, 2/21, 22/22	57.8
0.30	0/18, 5/20, 7/17, 14/20	34.7
0.25	0/21, 1/22, 0/24, 0/20	1.1
0.20	3/17, 3/17, 1/18, 1/19	11.3

表－6.28　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.50	24/27, 22/22, 22/23, 20/20	
	16/16, 16/16, 12/12, 12/16	94.7
0.45	20/21, 21/21, 20/20, 25/25	98.9
0.40	6/21, 20/21, 17/20, 20/22	75.9
0.35	7/19, 21/21, 5/21, 22/22	66.3
0.30	1/18, 14/20, 12/17, 20/20	
	13/16, 1/16, 1/14, 5/9	51.5
0.25	8/21, 9/22, 4/24, 7/20	32.2
0.20	9/17, 6/17, 2/18, 3/19	
	1/15, 6/13, 2/13, 0/16	22.7
0.10	0/24, 1/19, 0/24, 0/24	1.1

(3) 1,1,1－トリクロロエタン

表－6.29 1時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	5/19,	2/19,	2/19,	0/17	12.2
9.5	1/17,	0/16,	0/21,	1/19	2.3
9.0	1/21,	1/17,	0/15,	0/19	2.8
8.5	0/21,	0/22,	0/18,	1/21	1.2
8.0	0/26,	0/22,	0/17		0
7.5	0/20,	0/24,	0/26,	0/21	0
7.0	0/22,	0/20,	0/22,	0/16	0

表－6.30 2時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	5/19,	4/19,	4/19,	0/17	17.6
9.5	1/17,	0/16,	0/21,	2/19	4.1
9.0	2/21,	1/17,	0/15,	0/19	4.2
8.5	1/21,	1/22,	0/18,	1/21	3.7
8.0	0/26,	1/22,	0/17		1.5
7.5	0/20,	0/24,	0/26,	0/21	0
7.0	0/22,	0/20,	0/22,	0/16	0

表－6.31 3時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	5/19,	4/19,	4/19,	0/17	17.6
9.5	1/17,	1/16,	1/21,	2/19	6.8
9.0	3/21,	1/17,	0/15,	1/19	6.9
8.5	1/21,	2/22,	0/18,	1/21	4.9
8.0	0/26,	1/22,	0/17		1.5
7.5	0/20,	0/24,	0/26,	0/21	0
7.0	0/22,	0/20,	0/22,	0/16	0

表－6.32 4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	6/19,	4/19,	4/19,	0/17	18.9
9.5	1/17,	1/16,	2/21,	2/19	8.2
9.0	3/21,	1/17,	0/15,	2/19	8.3
8.5	1/21,	2/22,	0/18,	1/21	4.9
8.0	1/26,	1/22,	0/17		3.1
7.5	0/20,	0/24,	0/26,	0/21	0
7.0	0/22,	0/20,	0/22,	0/16	0

(4) トリクロロエチレン

表－6.33 3時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	2/23,	1/23,	14/23,	2/23	20.7
9.5	0/21,	3/21,	0/23,	0/20	3.5
9.0	0/22,	0/21,	0/20,	0/22	0
8.5	0/19,	0/20,	0/19,	0/22	0
8.0	0/21,	0/20,	0/20,	0/21	0
7.5	0/21,	0/21,	0/19,	0/19	0
7.0	0/20,	0/20,	0/19,	0/22	0

表－6.34 4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	4/23,	3/23,	22/23,	5/23	37.0
9.5	2/21,	3/21,	0/23,	1/20	7.1
9.0	0/22,	0/21,	0/20,	0/22	0
8.5	2/19,	0/20,	2/19,	1/22	6.3
8.0	1/21,	1/20,	1/20,	0/21	3.7
7.5	0/21,	1/21,	0/19,	0/19	1.3
7.0	0/20,	0/20,	1/19,	0/22	1.2

3) Echinosphaerium akamae に関する実験結果

(1) 2-クロロフェノール

表－6.35　1時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
3.0	3/7,	6/11,	4/8,	4/5	56.9
2.5	2/12,	0/9,	2/8,	2/6	18.8
2.0	0/7,	1/9,	0/10,	1/8	11.8
1.5	0/8,	1/9,	0/3		3.7
1.0	0/9,	0/8,	0/7,	0/7	0
0.5	0/8,	0/11,	0/8,	0/8	0

表－6.36　2時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
3.0	6/7,	8/11,	6/8,	5/5	83.4
2.5	5/12,	2/9,	3/8,	2/6	33.7
2.0	1/7,	1/9,	2/10,	1/8	14.5
1.5	0/8,	1/9,	0/3		4.2
1.0	1/9,	0/8,	0/6,	0/7	2.8
0.5	0/8,	0/10,	0/8,	1/8	3.1

表－6.37　3時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
3.0	6/7,	10/11,	6/8,	5/5	87.9
2.5	6/12,	2/9,	6/8,	2/6	45.1
2.0	3/7,	3/9,	3/9,	1/8	30.5
1.5	0/8,	1/8,	0/3		3.7
1.0	1/9,	0/8,	0/6,	0/7	2.8
0.5	0/7,	0/8,	0/7,	1/8	3.1

表－6.38　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
3.0	6/7,	11/11,	6/8,	5/5	90.2
2.5	9/12,	2/9,	8/8,	2/6	57.6
2.0	3/7,	3/9,	3/9,	1/8	30.5
1.5	1/7,	1/8,	0/3		8.9
1.0	1/9,	0/7,	1/6,	0/7	7.0
0.5	0/6,	0/6,	0/6,	1/8	3.8

(2) 2,4－ジクロロフェノール

表－6.39　1時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.4	1/2,	1/5,	1/1		56.7
0.3	3/7,	1/5			31.5
0.2	0/8,	0/9,	0/9,	0/11	0
0.1	0/10,	0/10,	1/5,	0/4	5.0

表－6.40　2時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.4	1/2,	1/5,	1/1		56.7
0.3	3/7,	2/5			41.5
0.2	0/7,	0/8,	0/8,	0/12	0
0.1	0/8,	0/10,	1/3,	0/4	8.3

表－6.41　3時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.4	1/2,	1/5,	1/1		56.7
0.3	3/7,	2/5			41.5
0.2	1/7,	0/8,	0/7,	2/12	7.8
0.1	0/7,	0/10,	1/2,	0/4	12.5

表－6.42　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.4	1/2,	1/5,	1/1		56.7
0.3	3/7,	2/5			41.5
0.2	3/7,	0/8,	1/7,	2/12	18.5
0.1	0/5,	0/10,	1/2,	0/4	12.5

(3) 1,1,1－トリクロロエタン

表－6.43 1時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/8,	0/10,	0/10,	0/7	0
9.5	0/6,	0/10,	0/8,	0/9	0
9.0	0/9,	0/8,	0/4		0
8.5	0/5,	0/4,	0/4,	0/2	0
8.0	0/11,	0/8,	0/3,	0/8	0
7.5	0/10,	0/12,	0/9,	0/7	0
7.0	0/10,	0/10,	0/7,	0/7	0
6.5	0/8,	0/9,	0/10,	0/3	0
6.0	0/10,	0/6,	0/6,	0/1	0
5.5	0/7,	0/9,	0/9,	0/11	0
5.0	0/8,	0/10,	0/9,	0/9	0

表－6.44 2時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/8,	0/10,	0/10,	0/7	0
9.5	0/5,	0/9,	0/6,	0/9	0
9.0	0/8,	0/7,	0/4		0
8.5	0/5,	0/4,	0/4,	0/2	0
8.0	0/9,	0/8,	0/3,	0/8	0
7.5	0/10,	0/12,	0/8,	0/7	0
7.0	0/10,	0/10,	0/6,	0/7	0
6.5	0/8,	0/9,	0/10,	0/3	0
6.0	0/10,	0/6,	0/6,	0/1	0
5.5	0/7,	0/9,	0/9,	0/11	0
5.0	0/8,	0/9,	0/9,	0/9	0

表－6.45 3時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/7,	0/9,	0/10,	0/7	0
9.5	0/5,	0/9,	0/6,	0/9	0
9.0	0/8,	0/7,	0/4		0
8.5	0/5,	0/4,	0/4,	0/2	0
8.0	0/8,	0/7,	0/3.	0/7	0
7.5	0/10.	0/11,	0/8,	0/6	0
7.0	0/10,	0/10,	0/6,	0/7	0
6.5	0/8,	0/9,	0/10,	0/3	0
6.0	0/10.	0/6,	0/5,	0/1	0
5.5	0/7,	0/9,	0/9,	0/11	0
5.0	0/7,	0/9,	0/9,	0/9	0

表－6.46 4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/7,	0/9,	0/9,	0/6	0
9.5	0/5,	1/9,	0/6,	0/9	2.8
9.0	0/8,	0/7,	0/4		0
8.5	0/5,	0/4,	0/3.	0/2	0
8.0	0/7,	0/7,	0/3.	0/6	0
7.5	0/10,	0/11,	0/8,	0/6	0
7.0	0/10,	0/9,	0/6,	0/7	0
6.5	0/8,	0/9,	0/10,	0/3	0
6.0	0/10,	0/6,	0/5,	0/1	0
5.5	0/6,	0/9,	0/9,	0/10	0
5.0	0/7,	0/9,	0/9,	0/9	0

(4) トリクロロエチレン

表－6.47 1時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/7,	0/6,	0/4		0
9.0	0/3.	0/10.	0/10,	0/9	0
8.0	0/10.	0/8,	0/9,	0/11	0
7.0	0/6,	0/10.	0/9,	0/11	0
6.0	0/5,	0/8,	0/8,	0/5	0
5.0	0/10,	0/11,	0/9,	0/7	0

表－6.48 2時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/7,	0/6,	0/4		0
9.0	0/3.	0/10,	0/10,	0/9	0
8.0	0/10,	0/8,	0/9,	0/10	0
7.0	0/6,	0/9,	0/9,	0/11	0
6.0	0/5,	0/8,	0/8,	0/5	0
5.0	0/10,	0/10,	0/9,	0/7	0

表－6.49 3時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/7,	0/6,	0/4		0
9.0	0/3.	0/10,	0/7,	0/6	0
8.0	0/10.	0/8,	0/8,	0/10	0
7.0	0/6,	0/9,	0/9,	0/11	0
6.0	0/4,	0/8,	0/8,	0/5	0
5.0	0/9,	0/8,	0/7,	0/7	0

表－6.50 4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/7,	0/5,	0/4		0
9.0	0/3.	0/10,	0/7,	0/5	0
8.0	0/10,	0/7,	0/8,	0/10	0
7.0	0/6,	0/7,	0/8,	0/10	0
6.0	0/4,	0/8,	0/7,	0/5	0
5.0	0/9,	0/8,	0/6,	0/7	0

4） Stylonychia mytilus に関する実験結果

(1) 2-クロロフェノール

表－6.51　1時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.0	21/21, 17/17, 12/12	100
1.0	3/10, 4/6, 1/3, 1/2	42.9
0.7	2/11, 6/12, 4/8, 2/8	41.4
0.5	0/8, 0/8, 9/18	26.5
0.3	0/10, 2/10, 6/10, 4/13	27.9
0.1	0/10, 0/12, 0/10, 0/8	0

表－6.52　2時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.0	21/21, 17/17, 12/12	100
1.0	3/10, 5/6, 2/3, 1/2	52.4
0.7	3/11, 6/12, 4/8, 2/8	38.5
0.5	0/8, 1/8, 10/18	32.4
0.3	0/10, 2/10, 6/10, 5/13	30.2
0.1	1/10, 0/12, 0/10, 0/8	2.5

表－6.53　3時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.0	21/21, 17/17, 12/12	100
1.0	3/10, 6/6, 2/3, 1/2	57.1
0.7	4/11, 10/12, 4/8, 2/8	51.3
0.5	1/8, 3/8, 11/18	44.1
0.3	0/10, 2/10, 7/10, 5/13	32.6
0.1	1/10, 0/12, 0/10, 0/8	2.5

表－6.54　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.0	21/21, 17/17, 12/12	100
1.0	5/10, 6/6, 3/3, 1/2	71.4
0.7	4/11, 10/12, 5/8, 5/8	61.5
0.5	3/8, 3/8, 12/18	52.9
0.3	0/10, 2/10, 7/10, 6/13	34.9
0.1	1/10, 0/12, 0/10, 0/8	2.5

(2) 2,4－ジクロロフェノール

表－6.55　1時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.2	7/7, 7/13	70.0
0.1	4/11, 1/7, 3/9, 3/10	29.7
0.05	1/12, 0/9, 0/10, 0/14	2.2
0.03	0/11, 0/5, 0/9, 1/10	2.9
0.025	0/4, 0/17, 0/11, 1/13	2.2
0.02	0/9, 0/14, 0/10, 0/12	0

表－6.56　2時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.2	7/7, 9/13	80.0
0.1	6/11, 1/7, 4/9, 4/10	40.5
0.05	1/12, 0/9, 0/10, 0/14	2.2
0.03	1/11, 1/5, 0/9, 1/10	8.6
0.025	0/4, 0/17, 1/11, 1/13	4.4
0.02	0/9 1/14, 0/10, 0/12	2.2

表－6.57　3時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.2	7/7, 10/13	85.0
0.1	8/11, 4/7, 5/9, 5/10	59.5
0.05	3/12, 0/9, 0/10, 1/14	8.9
0.03	3/11, 1/5, 2/9, 1/10	20.0
0.025	0/4, 0/17, 1/11, 1/13	4.4
0.02	0/9, 1/14, 0/10, 0/12	2.2

表－6.58　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.2	7/7, 11/13	90.0
0.1	9/11, 5/7, 6/9, 6/10	70.3
0.05	3/12, 3/9, 1/10, 2/14	20.0
0.03	2/5, 2/9, 2/10	25.0
0.025	0/4, 0/17, 1/11, 1/13	5.7
0.02	0/9, 1/14, 0/10, 0/12	2.2

(3) 1,1,1－トリクロロエタン

表－6.59　1時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	1/11,	0/13,	1/13,	1/8	7.3
8.0	0/15,	0/14,	1/17,	1/7	6.7
7.0	0/11,	0/14,	0/9,	2/8	6.3
5.0	0/12,	0/13,	0/14,	0/14	0
3.0	0/10,	0/15,	0/14,	0/15	0

表－6.60　2時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	1/11,	1/13,	1/13,	1/8	9.3
8.0	0/15,	0/14,	1/17,	1/7	6.7
7.0	0/11,	0/14,	1/9,	2/8	9.1
5.0	0/12,	0/13,	0/14,	0/14	0
3.0	0/10,	0/15,	0/14,	0/15	0

表－6.61　3時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	1/11,	1/13,	1/13,	1/8	9.3
8.0	0/15,	0/14,	1/17,	1/7	6.7
7.0	0/11,	0/14,	1/9,	2/8	9.1
5.0	1/12,	0/13,	0/14,	0/14	2.1
3.0	0/10,	0/15,	0/14,	0/15	0

表－6.62　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	1/11,	1/13,	2/13,	1/8	11.2
8.0	0/15,	0/14,	1/17,	1/7	6.7
7.0	0/11,	0/14,	1/9,	2/8	9.1
5.0	1/12,	2/13,	0/14,	0/14	5.9
3.0	0/10,	0/15,	0/14,	0/15	0

(4) トリクロロエチレン

表－6.63　1時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/18,	0/18,	0/20		0
8.0	0/12,	0/13,	1/19,	0/13	1.3
7.0	0/18,	0/16,	0/13,	0/12	0
5.0	0/8,	0/10,	0/13,	0/16	0
3.0	0/14,	0/14,	0/16,	0/12	0

表－6.64　2時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/18,	0/18,	1/20		1.7
8.0	0/12,	0/13,	1/19,	0/13	1.3
7.0	0/18,	0/16,	0/13,	0/12	0
5.0	0/8,	0/10,	0/13,	0/16	0
3.0	0/14,	0/14,	0/16,	0/12	0

表－6.65　3時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/18,	0/18,	1/20		1.7
8.0	0/12,	0/13,	1/19,	0/13	1.3
7.0	0/18,	0/16,	0/13,	0/12	0
5.0	0/8,	0/10,	0/13,	0/16	0
3.0	0/14,	0/14,	0/16,	0/12	0

表－6.66　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
10.0	0/18,	0/18,	1/20		1.7
8.0	0/12,	0/13,	1/19,	0/13	1.3
7.0	0/18,	0/16,	0/13,	0/12	0
5.0	0/8,	0/10,	0/13,	0/16	0
3.0	0/14,	0/14.	0/16,	0/12	0

5） Euglena gracilis に関する実験結果

(1) 2-クロロフェノール

表－6.67　4時間後

濃　度（mM）	5.0	3.5	2.5	1.5	1.0	0.5
吸光度（0時間）	0.107	0.105	0.101	0.097	0.097	0.099
吸光度（4時間）	0	0	0	0.013	0.066	0.086
死亡率（%）	100	100	100	86.6	32.0	13.1

(2) 2,4－ジクロロフェノール

表－6.68　4時間後

濃　度（mM）	0.5	0.35	0.25	0.15	0.1
吸光度（0時間）	0.088	0.088	0.086	0.089	0.088
吸光度（4時間）	0	0	0.024	0.083	0.087
死亡率（%）	100	100	72.1	6.7	1.1

(3) 1,1,1－トリクロロエタン

表－6.69　4時間後

濃　度（mM）	5.0	3.5	2.5	1.5	1.0	0.5
吸光度（0時間）	0.094	0.098	0.099	0.107	0.108	0.105
吸光度（4時間）	0	0.005	0.068	0.100	0.102	0.103
死亡率（%）	100	94.9	31.3	6.5	5.6	1.9

(4) トリクロロエチレン

表－6.70　4時間後

濃　度（mM）	5.0	3.5	2.5	1.5	1.0	0.5
吸光度（0時間）	0.094	0.093	0.097	0.094	0.094	0.090
吸光度（4時間）	0	0	0.068	0.074	0.082	0.090
死亡率（%）	100	100	29.9	21.3	12.8	0

6） Astasia longa に関する実験結果

(1) 2-クロロフェノール

表－6.71　4時間後

濃　度（mM）	5.0	3.5	2.5	1.5	1.0	0.5
吸光度（0時間）	0.044	0.055	0.042	0.040	0.045	0.046
吸光度（4時間）	0	0	0.001	0.002	0.044	0.046
死亡率（%）	100	100	97.6	95.0	2.2	0

(2) 2,4－ジクロロフェノール

表－6.72　4時間後

濃　度（mM）	0.5	0.35	0.25	0.15	0.1	0.05
吸光度（0時間）	0.047	0.043	0.044	0.041	0.042	0.046
吸光度（4時間）	0	0.009	0.024	0.032	0.036	0.046
死亡率（%）	100	79.1	45.5	22.0	14.3	0

(3) 1,1,1－トリクロロエタン

表－6.73　4時間後

濃　度（mM）	5.0	3.5	2.5	1.5	1.0	0.5
吸光度（0時間）	0.048	0.041	0.047	0.043	0.042	0.043
吸光度（4時間）	0.004	0.005	0.019	0.042	0.042	0.043
死亡率（%）	91.7	87.8	59.6	2.3	0	0

(4) トリクロロエチレン

表－6.74　4時間後

濃　度（mM）	5.0	3.5	2.5	1.5	1.0	0.5
吸光度（0時間）	0.048	0.042	0.041	0.042	0.041	0.044
吸光度（4時間）	0	0	0	0.024	0.040	0.044
死亡率（%）	100	100	100	42.9	2.4	0

6.3 実験 (2)

6.3.1 実験方法

1）供試生物種

原生動物

根足虫類　1種　アメーバ（Amoeba proteus）

繊毛虫類　9種　ラッパムシ（Stentor coeruleus）

スピロストムム（Spirostomum ambiguum）

スピロストムム（Spirostomum teres）

コルピディウム（Colpidium campylum）

ブレファリズマ（Blepharisma stoltei）

ブレファリズマ（Blepharisma undulans）

テトラヒメナ（Tetrahymena pyriformis）

ツリガネムシ（Vorticella campanula）

ウロスティラ（Urostyla gigas）

節足動物　1種　マルミジンコ（Chydorus sphaericus）

通称タマミジンコとも呼ぶ。

これら供試生物あるいは，その近縁の種の形態スケッチを図－6.5に示す。

2）有機塩素化合物

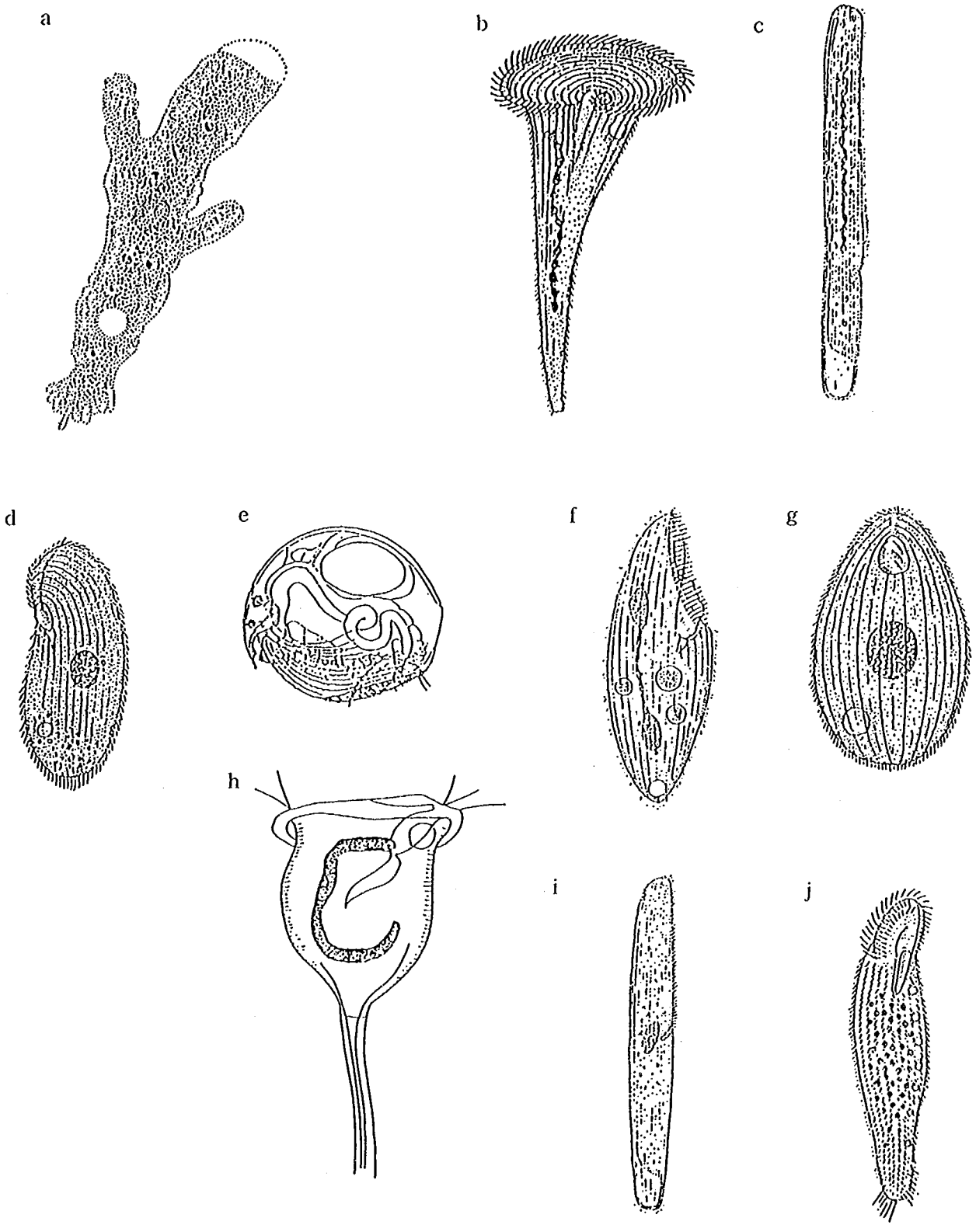
対象塩素化合物は次の2種とし，それぞれ水に溶解して試験した。

	分子量	溶解度(水)
2－クロロフェノール（2－CP）	128.56	28.5 mg/ℓ
2,4－ジクロロフェノール（2,4－DCP）	163.00	4.5 mg/ℓ

これらはすべて和光純薬工業㈱製の特級試薬を用いた。

3）培養と実験条件

1）において列挙した供試生物は，それぞれクノップ（Knop）氏液中で，小型繊毛虫・鞭毛虫（Paramecium，Chilomonas）などを餌として培養した。培養には，直径9cmのプラスチックシャーレを用いて，シャーレ当り100～300個体になったところで，先細ピペットを用いて1個体づつ採取した。実験にあたっては，数種類の濃度の試薬を用いるが，試薬は予め最終使用濃度の2倍に調製したものを5mℓづつ用意した。次に，約100個体の細胞を市販のミネラルウォーター（Volvic）中に浮遊させ，5mℓの細胞懸濁液を得る。さらに，試験管中でこれら溶液を混合することにより10mℓの実験液を得た。これら約100個体の細胞は実験液とともに，実体顕微鏡の下で先細ピペットを用いて数個体づつスライドグラスの上に載せ，ワセリンを用いてカバーグラスで密閉封入した。このような試料を1試薬濃度に対して数個準備した。細胞の個体数を封入直後と，一定時間後（30分，4時間）に計数し，それぞれの試料についての死亡率を算出した。実験は，Amoebaに限らず全て



図－ 6.5　実験に用いた原生動物の模式図（重中義信監修，原生動物の観察と実験法より）。

a：Amoeba proteus　b：Stentor coeruleus　c：Spirostomum ambiguum
d：Colpidium campylum　e：マルミジンコ Chydorus sphaericus　f：Blepharisma undulans
g：Tetrahymena pyriformis　h：Vorticella campanula　i：Spirostomum teres
j：Urostyla caudata（U. gigas の近縁種）

の場合実験室の室温（20±2℃）にて，1990年7月16日から1991年1月25日の間におこなった。

クノップ氏液の組成：2.42×10^{-5} M　$Ca(NO_3)_2$

1.41×10^{-5} M　KNO_3

5.8×10^{-6} M　$MgSO_4$

1.05×10^{-5} M　KH_2PO_4

Volvicの組成：カルシウム　10.4 mg/ℓ

マグネシウム　6.0 mg/ℓ

ナトリウム　8.0 mg/ℓ

カリウム　5.4 mg/ℓ

発売元：サントリー株式会社

4）細胞形態の観察

実験に用いた細胞は，計測と平行して，あるいは全ての計数が終了した後，光学顕微鏡により観察・撮影された。用いた顕微鏡はオリンパス社製BHS顕微鏡に，ノマルスキー微分干渉装置を取り付けたものである。顕微鏡画像は，オリンパスカメラ（C－35 AD－4）にオリンパス全自動顕微鏡写真撮影装置（PM－10 ADS）を取り付け撮影し，写真化した。遊泳細胞及び虫体の撮影には，コダックフィルム，TRI－X（ASA 400）を用いた。

6.3.2　実験結果

1）Amoeba proteus に関する実験結果

(1)　2-クロロフェノール

表－6.75　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.00	7/7, 4/4, 5/5, 5/5, 3/3	
	4/6, 3/3, 4/6, 4/4, 7/7	92.00
1.50	6/8, 2/11, 4/11, 5/12, 9/13	
	3/7, 1/7, 1/3, 2/9, 1/4	40.00
1.00	13/40, 4/11, 1/9, 0/10, 1/9	
	2/9, 3/6, 5/10, 0/4	26.85
0.50	2/11, 1/9, 1/11, 1/4, 8/12	
	5/8, 3/10, 3/11, 2/10, 1/3	30.34

表－6.76　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.00	7/7, 4/4, 5/5, 5/5, 3/3	
	4/6, 3/3, 4/6, 4/4, 7/7	92.00
1.50	7/8, 2/11, 10/11, 5/12, 9/13	
	3/7, 2/7, 1/3, 1/4 2/9	49.41
1.00	23/40, 5/11, 3/9, 0/10, 1/9	
	3/9, 5/6, 7/10, 0/4	28.97
0.50	2/7, 4/9, 5/11, 3/6, 5/11	
	1/10, 1/9, 7/11, 1/8, 2/4	36.05

(2)　2,4－ジクロロフェノール

表－6.77　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.20	2/11, 8/8, 8/9, 7/9, 4/9	
	6/9, 3/8, 8/10, 6/8, 6/8	65.17
0.15	1/11, 1/11, 0/7, 4/7, 5/9	
	5/10, 4/9, 8/10, 3/10, 8/11	41.05
0.10	0/11, 0/8, 0/8, 1/10, 0/9	
	0/10, 0/9, 1/10, 0/7, 0/9	2.20
0.05	0/18, 0/12, 0/9, 0/8, 0/9	
	0/11, 6/9, 0/9, 1/10, 0/10	6.67

表－6.78　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.20	2/11, 8/8, 6/9, 7/9, 9/9	
	9/9, 8/8, 10/10, 8/8, 8/8	84.27
0.15	1/11, 2/9, 0/6, 0/9, 0/9	
	3/10, 2/10, 5/9, 7/11, 7/12	28.13
0.10	0/11, 0/8, 1/8, 0/8, 0/9	
	0/9, 0/7, 0/7, 0/7, 0/9	1.20
0.05	6/18, 0/11, 0/10, 0/7, 0/8	
	0/11, 0/9, 0/8, 1/10, 0/7	7.07

2）Stentor coeruleus に関する実験結果

(1) 2-クロロフェノール

表－6.79　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.50	10/10, 10/10, 10/10, 10/10, 10/10	
	9/10, 9/10, 9/10, 9/10, 9/10	95.00
2.00	7/10, 5/10, 3/10, 5/10, 5/10	
	3/10, 2/10, 3/10, 3/10, 3/8	42.30
1.50	2/10, 0/10, 0/10, 0/10, 2/10	
	0/10, 0/10, 0/10, 0/10, 7/10	11.00
1.00	1/10, 0/10, 2/10, 1/10, 0/10	
	0/10, 0/10, 0/10, 0/10, 0/10	4.00
0.50	2/10, 0/10, 0/10, 0/10, 2/10	
	0/10, 0/10, 0/10, 3/10, 0/10	7.00

表－6.80　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.50	10/10, 10/10, 10/10, 10/10, 10/10	
	10/10, 10/10, 10/10, 10/10, 10/10	100.00
2.00	10/10, 5/10, 10/10, 9/10, 7/10	
	9/10, 10/10, 10/10, 10/10, 9/10	89.00
1.50	10/10, 10/10, 8/10, 7/10, 9/10	
	8/10, 9/10, 9/10, 2/10, 8/10	80.00
1.00	9/10, 8/10, 10/10, 6/10, 2/10	
	5/10, 9/10, 5/10, 9/10, 2/10	65.00
0.50	8/10, 4/10, 9/10, 8/10, 5/10	
	3/10, 8/10, 6/10, 8/10, 10/10	69.00

(2) 2,4－ジンクロロフェノール

表－6.81　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.60	10/10, 10/10, 10/10, 10/10, 10/10	
	10/10, 10/10, 10/10, 10/10, 10/10	100.00
0.40	0/10, 2/10, 2/10, 6/10, 6/10	
	5/10, 9/10, 4/10, 8/10, 8/10	50.00
0.30	1/10, 1/10, 2/10, 2/10, 1/10	
	0/10, 0/10, 2/10, 4/10, 1/10	14.00
0.25	1/10, 0/10, 2/10, 0/10, 0/10	
	1/10, 1/10, 2/10, 3/10, 2/10	12.00
0.20	3/10, 1/10, 0/12, 0/10, 1/10	
	1/10, 0/10, 2/10, 2/10, 0/10	10.00
0.15	0/10, 0/10, 1/10, 1/10, 0/10	
	2/10, 1/10, 0/10, 0/10, 1/10	6.00
0.10	2/10, 2/10, 0/10, 0/10, 0/10	
	0/10, 0/10, 0/10, 0/10, 1/10	5.00

表－6.82　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.30	10/10, 10/10, 10/10, 10/10, 10/10	
	10/10, 10/10, 10/10, 10/10, 10/10	100.00
0.25	10/10, 10/10, 10/10, 10/10, 10/10	
	10/10, 10/10, 10/10, 10/10, 9/10	99.00
0.20	7/10, 9/10, 8/12, 9/10, 6/10	
	8/10, 10/10, 10/10, 9/10, 10/10	84.70
0.15	5/10, 2/10, 1/10, 6/10, 5/10	
	3/10, 5/10, 5/10, 10/10, 8/10	50.00
0.10	6/10, 4/10, 1/10, 2/10, 5/10	
	5/10, 9/10, 8/10, 6/10, 7/10	53.00

3）Spirostomum ambiguum に関する実験結果

(1) 2-クロロフェノール

表－6.83　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.00	6/10, 5/10, 6/10, 8/10, 9/10	
	7/8	70.69
1.75	5/10, 10/10, 8/10, 8/10, 7/10	
	5/10, 7/10, 10/10, 5/8	73.86
1.50	2/10, 1/10, 2/10, 2/10, 2/10	
	5/10, 6/10, 3/10, 6/10, 7/10	36.00
1.25	1/10, 3/10, 0/10, 2/10, 5/10	
	2/10, 0/10, 5/10	22.50
1.00	1/10, 2/10, 1/10, 0/10, 0/10	
	1/10, 1/10, 0/10, 4/10, 5/10	15.00
0.75	0/10, 1/10, 0/10, 0/10, 0/10	
	0/10, 0/10, 0/10, 0/10, 0/10	1.00

表－6.84　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.00	9/10, 10/10, 10/10, 9/10, 10/10	
	8/8	96.55
1.75	9/10, 10/10, 10/10, 10/10, 8/10	
	9/10, 10/10, 10/10, 7/10	94.31
1.50	10/10, 8/10, 10/10, 8/10, 10/10	
	10/10, 8/10, 9/10, 10/10, 9/10	92.00
1.25	2/10, 4/10, 0/10, 2/10, 9/10	
	2/10, 1/10, 9/10	36.25
1.00	2/10, 8/10, 2/10, 0/10, 5/10	
	1/10, 1/10, 0/10, 8/10, 7/10	34.00
0.75	6/10, 2/10, 4/10, 2/10, 5/10	
	0/10, 4/10, 2/10, 0/10, 5/10	30.00

(2) 2,4－ジクロロフェノール

表－6.85　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.30	8/10, 10/10, 8/10, 9/10, 6/10	
	3/10, 9/10, 9/10, 7/10, 5/5	77.89
0.25	2/10, 3/10, 1/10, 2/10, 3/10	
	8/10, 0/10, 2/10, 3/10, 1/10	25.00
0.20	1/10, 0/10, 6/10, 5/10, 1/10	
	1/10, 0/10, 4/10, 1/10, 1/10	20.00
0.15	0/10, 2/10, 0/10, 1/10, 2/10	
	1/10, 2/10	11.40
0.10	3/10, 2/10, 2/10, 1/10, 0/10	
	0/10, 2/10, 0/10, 0/10, 0/9	10.10

表－6.86　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.30	10/10, 10/10, 10/10, 10/10, 10/10	
	10/10, 10/10, 10/10, 10/10, 10/10	100.00
0.25	5/10, 9/10, 8/10, 10/10, 9/10	
	8/10, 7/10, 9/10, 7/10, 4/7	78.35
0.20	8/10, 3/10, 7/10, 5/10, 9/10	
	4/10, 1/10, 5/10, 2/5	51.76
0.15	3/10, 3/10	30.00
0.10	0/10, 2/10, 3/10, 2/10, 4/10	
	1/10, 0/11, 2/10, 2/4	18.82

4） Colpidium compylum に関する実験結果

(1) 2-クロロフェノール

表－6.87　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.50	10/10, 10/10, 10/10, 10/10, 10/10	
	10/10, 10/10, 10/10, 9/10, 10/10	99.00
2.00	8/10, 8/10, 7/10, 9/10, 9/10	
	7/10, 8/10, 9/10, 2/10, 10/10	77.00
1.50	0/10, 2/10, 1/10, 4/10, 0/10	
	0/10, 0/10, 1/10, 0/10, 0/10	8.00
1.00	2/10, 3/10, 0/10, 0/10, 0/10	
	2/10, 0/10, 0/10, 0/10, 0/10	7.00
0.50	2/10, 0/10, 0/10, 0/10, 0/10	
	0/10, 0/10, 0/10, 0/10, 0/10	2.00

表－6.88　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
2.50	10/10, 10/10, 10/10, 10/10, 10/10	
	10/10, 10/10, 10/10, 10/10, 10/10	100.00
2.00	9/10, 10/10, 9/10, 10/10, 9/10	
	10/10, 10/10, 10/10, 6/10, 10/10	93.00
1.50	10/10, 10/10, 10/10, 8/10, 10/10	
	10/10, 6/10, 5/10, 9/10, 10/10	88.00
1.00	3/10, 3/10, 5/10, 1/10, 2/10	
	2/10, 0/10, 1/10, 2/10, 1/10	20.00
0.50	3/10, 1/10, 0/10, 2/10, 0/10	
	3/10, 1/10, 3/10, 0/10, 0/10	13.00

(2) 2,4－ジクロロフェノール

表－6.89　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.40	6/10, 6/10, 7/10, 8/10, 9/10	
	5/10, 6/10, 4/10, 6/10	63.33
0.35	0/10, 2/10, 1/10, 1/10, 1/10	
	0/10, 3/10, 1/10, 1/10, 1/10	11.00
0.30	2/10, 1/10, 1/10, 1/10, 3/10	
	4/10, 2/10, 1/10, 3/10, 0/10	18.00
0.25	2/10, 2/10, 4/10, 3/10, 0/10	
	1/10, 4/10, 2/10, 2/10, 0/10	20.00
0.20	4/10, 0/10, 2/10, 3/10, 0/10	
	3/10, 0/10, 1/10, 0/10	14.44

表－6.90　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.40	10/10, 10/10, 10/10, 10/10, 10/10	
	10/10, 10/10, 9/10, 10/10	98.88
0.35	10/10, 10/10, 10/10, 10/10, 8/10	
	10/10, 10/10, 9/10, 10/10, 10/10	97.00
0.30	7/10, 10/10, 9/10, 7/10, 7/10	
	9/10, 7/10, 7/10, 5/10, 8/10	76.00
0.25	4/10, 3/10, 6/10, 3/10, 0/10	
	3/10, 7/10, 5/10, 4/10, 1/10	36.00
0.20	4/10, 1/10, 3/10, 3/10, 2/10	
	3/10, 2/10, 1/10, 1/10	22.22

5）タマミジンコに関する実験結果

(1) 2-クロロフェノール

表－6.91　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
5.00	5/8, 7/8, 7/7, 6/6, 4/5	
	7/8, 10/10, 3/5, 5/6, 4/6	84.06
3.30	6/9, 4/9, 6/9, 6/6, 9/11	
	2/8, 4/9, 9/10, 7/8, 7/9	68.18
2.50	3/10, 2/11, 2/9, 2/7, 1/6	
	2/6, 1/7, 3/8, 2/8, 2/6	25.64
2.00	0/10, 0/11, 0/9, 0/9, 3/11	
	2/14, 1/9, 1/8, 0/9, 0/8	7.14
1.50	0/9, 0/11, 1/9, 0/8, 0/15	
	0/15, 0/12, 0/7, 0/10, 1/8	1.92
1.00	0/9, 0/10, 0/10, 1/5, 1/10	
	0/9, 4/9, 0/9, 0/11, 0/4	6.98

表－6.92　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
5.00	7/8, 8/8, 7/7, 6/6, 4/5	
	8/8, 10/10, 4/5, 6/6, 6/6	95.65
3.30	7/9, 5/9, 8/9, 6/6, 9/11	
	4/8, 7/9, 10/10, 7/8, 8/9	80.68
2.50	7/10, 6/11, 3/9, 4/7, 4/6	
	4/6, 4/7, 6/8, 6/8, 5/6	62.82
2.00	3/10, 2/11, 2/9, 4/9, 5/11	
	12/14, 2/9, 6/8, 2/9, 3/8	41.84
1.50	0/9, 2/11, 2/9, 1/8, 3/15	
	5/15, 2/12, 0/7, 2/10, 5/8	21.15
1.00	1/8, 2/9, 1/8, 2/5, 0/8	
	1/7, 4/7, 1/8, 2/11, 2/9	20.00

(2) 2,4－ジクロロフェノール

表－6.93　30分後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.25	3/9, 1/10, 2/8, 2/10, 2/10	
	3/9, 2/12, 4/9, 4/10, 1/8	25.26
0.20	3/8, 3/11, 2/10, 1/7, 4/7	
	2/8, 2/8, 2/7, 0/8, 3/8	26.83
0.15	2/9, 1/6, 0/9, 2/6, 1/6	
	0/3	15.38
0.10	0/5, 1/6, 1/7, 0/5, 0/8	
	0/7, 0/12, 0/9, 0/6, 0/5	2.86
0.05	0/10, 1/9, 1/7, 1/10, 0/7	
	0/6	6.12

表－6.94　4時間後

濃度(mM)	死亡個体／全個体	死亡率(%)
0.25	9/9, 11/11, 7/8, 10/10, 10/10	
	8/9, 12/12, 9/9, 10/10, 8/8	97.92
0.20	5/8, 9/11, 8/10, 6/7, 5/7	
	5/8, 7/8, 5/7, 8/8, 8/8	80.49
0.15	3/9, 3/6, 5/9, 4/6, 2/6	
	1/3	46.15
0.10	0/5, 1/6, 4/7, 4/5, 2/6	
	3/5, 2/8, 3/3, 1/5, 3/5	41.81
0.05	9/10, 2/9, 1/7, 1/10, 0/6	
	2/7	30.61

6）Blepharisma stoltei に関する実験結果

(1) 2-クロロフェノール

表－6.95　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
4.5	5/9,	8/9,	8/9,		77.77
4.0	6/17,	13/17,	5/11,	10/13	58.53
3.5	6/11,	3/14,	4/12,	1/9	30.10
3.0	4/16,	3/18,	4/20,	3/13	21.18
2.5	5/16,	1/21,	4/20,	3/20	17.75

表－6.96　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
4.5	8/9,	9/9,			94.44
4.0	16/17,	16/17,	11/11,	12/13	95.13
3.5	9/11,	10/14,	8/12,	4/9	66.08
3.0	7/16,	7/18,	11/20,	5/13	44.02
2.5	8/16,	4/21,	7/20,	3/20	29.76

(2) 2,4－ジクロロフェノール

表－6.97　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.50	13/19,	8/20,	2/15,	6/21	37.58
0.45	0/11,	6/16,	7/15,	2/11	25.58
0.40	1/12,	1/11,	2/6,	4/16	18.93
0.35	0/9,	3/17,	0/15,	0/12	4.41
0.30	0/10,	3/15,	0/9,	0/11	5.00

表－6.98　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.50	19/19,	16/20,	10/15,	4/21	78.33
0.45	3/11,	8/16,	14/15,	3/11	49.46
0.40	2/12,	3/11,	6/6,	6/16	45.35
0.35	0/9,	3/17,	2/15,	0/12	7.74
0.30	0/10,	3/15,	0/9,	0/11	5.00

7）Blepharisma undulans に関する実験結果

(1) 2-クロロフェノール

表－6.99　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
4.5	6/18,	8/19,	7/13,	10/20	44.82
4.0	0/23,	1/15,	4/13,	6/15	19.35
3.5	2/27,	8/28,	3/21,	6/22	19.38
3.0	1/29,	1/14,	3/21,	2/13	10.06
2.5	0/12,	1/20,	1/9,	0/13	4.02
2.0	0/19,	2/25,	0/19,	0/14	1.99

表－6.100　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
3.5	26/27,	27/28,	18/21,	21/22	93.47
3.0	21/29,	8/14,	18/21,	4/13	61.51
2.5	1/12,	6/20,	1/9,	0/13	12.36
2.0	0/19,	3/25,	0/19,	2/14	6.57

(2) 2,4－ジクロロフェノール

表－6.101　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.60	4/21,	15/18,	14/20,	17/26	71.34
0.50	7/17,	9/15,	6/20,	9/16	46.85
0.45	8/28,	9/21,	8/25,	7/24	33.14
0.40	3/14,	3/15,	1/20,	3/16	16.29
0.35	0/13,	2/16,	1/16,	3/17	9.09

表－6.102　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.60	21/21,	17/18,	20/20,	23/26	95.72
0.50	15/17,	14/15,	11/20,	12/16	77.89
0.45	14/28,	18/21,	21/25,	18/24	73.67
0.40	8/14,	11/15,	9/20,	11/16	61.05
0.35	0/13,	8/16,	9/16,	9/17	39.79

8）Tetrahymena pyriformis に関する実験結果

(1) 2-クロロフェノール

表－6.103　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.30	10/15,	9/13,	8/18,	12/18	61.75
0.25	6/7,	5/8,	6/10,	10/15	68.72
0.20	13/21,	10/20,	7/12,	10/15	59.22
0.15	2/12,	5/14,	2/11,	5/8	33.26
0.10	10/19,	1/15,	1/6,	4/12	27.32
0.05	3/13,	3/11,	1/9,	0/16	15.36
0.01	2/7,	0/3,	0/3,		9.52

表－6.104　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.30	10/15,	10/13,	10/18,	13/18	67.84
0.25	6/7,	7/8,	8/10,	11/15	81.63
0.20	17/21,	14/20,	8/12,	5/10	66.90
0.15	8/12,	9/14,	6/11,	5/8	61.99
0.10	13/19,	9/15,	4/6,	5/12	59.18
0.05	6/13,	7/11,	3/9,	7/16	46.71
0.01	4/7,	1/3,	1/3		41.26

(2) 2,4－ジクロロフェノール

表－6.105　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.040	9/15,	5/16,	5/18,	9/20	41.00
0.035	10/30,	5/16,	10/20,	10/30	36.97
0.030	10/30,	11/42,	18/30,	14/35	39.88
0.025	4/15,	2/14,	6/16,	2/10	24.61
0.020	2/7,	2/16,	7/17,	5/22	26.24
0.015	0/6,	3/10,	3/13,	0/14	13.26

表－6.106　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.040	2/15,	0/18,	6/18,	11/20	25.41
0.035	15/30,	2/16,	8/20,	13/30	36.45
0.030	14/30,	20/42,	10/30,	16/35	43.33
0.025	6/15,	3/14,	7/16,	3/10	33.79
0.020	3/7,	5/16,	7/17,	10/22	40.18
0.015	2/6,	9/10,	6/13,	5/14	51.30

9）Vorticella campanula に関する実験結果

(1) 2-クロロフェノール

表－6.107　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
3.0	1/8,	2/16,	2/7,	0/16	13.39
1.5	0/6,	1/5,	0/47,	2/18	7.77
1.0	0/20,	0/16,	1/8,	1/5	8.12
0.5	0/7,	1/5,	0/6,	0/7	5.00

表－6.108　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
3.0	2/8,	6/16,	3/7,	6/16	35.71
2.0	3/13,	3/16,	1/9,	2/8	19.48
1.0	5/20,	0/16,	4/8,	2/5	28.75
0.5	0/7,	0/5,	0/6,	3/7	10.71

(2) 2,4－ジクロロフェノール

表－6.109　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.40	0/11,	3/10,	2/7,	1/7	18.21
0.35	0/10,	3/15,	2/9,	1/5	15.55
0.30	0/6,	1/8,	0/8,	2/7	10.26
0.25	0/2,	0/5,	1/6,	2/9	9.72
0.20	0/11,	1/5,	2/14,	1/15	10.23
0.15	0/13,	0/10,	0/7,	2/6	8.33

表－6.110　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.40	5/11,	6/10,	3/7,	7/7	62.07
0.35	4/10,	9/15,	4/9,	2/5	46.11
0.30	0/6,	1/8,	3/8,	0/7	12.50
0.25	0/2,	1/5,	1/6,	4/9	20.27
0.20	3/11,	0/5,	1/14,	1/15	10.27
0.15	0/13,	0/10,	2/7,	0/6	7.14

10) Spirostomum teres に関する実験結果

(1) o-クロロフェノール

表－6.111　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
2.5	5/13,	5/10,	6/10,	4/9	48.22
2.0	8/8,	16/16,	7/8,	9/9	96.87
1.5	1/9,	2/10,	2/5,	3/7	28.49

表－6.112　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
2.5	5/13,	10/10,	6/10,	4/9	60.72
1.5	8/9,	10/10,	5/5,	6/7	93.65
1.0	2/10,	2/10,	0/5,	2/6	18.33
0.5	1/15,	0/8,	1/14,	1/8	6.57
0.3	0/8,	3/7,	0/12,	0/10	10.71

(2) 2,4－ジクロロフェノール

表－6.113　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.30	6/8,	4/4,	6/7,	5/5	90.17
0.25	12/12,	5/6,	7/7,	7/7	95.83
0.20	3/9,	4/8,	5/9,	4/8	47.22
0.15	3/10,	4/13,	2/9,	4/9	31.85
0.10	1/11,	0/12,	1/11,	0/8	4.54
0.05	0/9,	0/8,	0/10,	1/8	3.12

表－6.114　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
0.25	11/12,	6/6,	7/7,	7/7	97.91
0.20	8/9,	8/8,	9/9,	8/8	97.22
0.15	10/10,	13/13,	9/9,	8/9	97.22
0.10	4/11,	5/12,	4/11,	4/8	41.09
0.05	1/9,	0/8,	0/10,	0/8	2.77

11) Urostyla gigas に関する実験結果

(1) o-クロロフェノール

表－6.115　30分後

濃度(mM)	死亡個体／全個体				死亡率(%)
2.5	10/10,	6/9,	9/11,	8/9	84.34
2.0	1/6,	1/10,	0/7,	0/11	6.66
1.5	1/6,	0/9,	0/10,	1/10	6.66
1.0	0/10	0/8,	1/9,	0/8	2.77

表－6.116　4時間後

濃度(mM)	死亡個体／全個体				死亡率(%)
2.0	6/6,	9/10,	7/7,	10/11	95.22
1.5	6/6,	7/9,	9/10,	10/10	91.94
1.0	2/10,	1/8,	7/9,	4/8	40.06
0.5	0/8,	1/7,	0/6,	1/10	6.07
0.4	0/7,	0/9,	1/9,	0/7	2.77

(2) 2,4－ジクロロフェノール

表－6.117　30分後

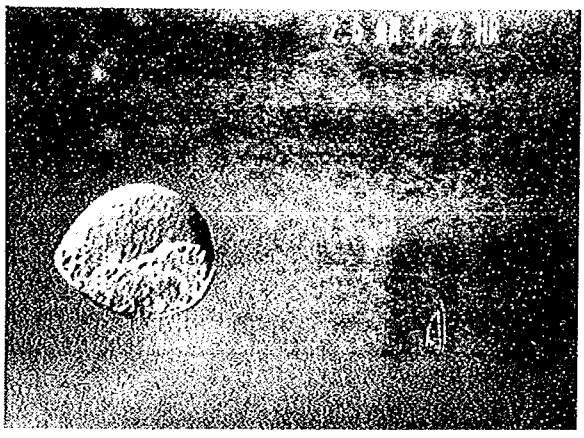
濃度(mM)	死亡個体／全個体				死亡率(%)
0.40	0/7,	2/12,	4/11,	3/8	22.63
0.35	2/10,	0/10,	1/10,	2/10	12.50
0.30	1/8,	1/10,	0/9,	0/7	5.62
0.25	0/9,	0/9,	0/13,	1/8	3.12

表－6.118　4時間後

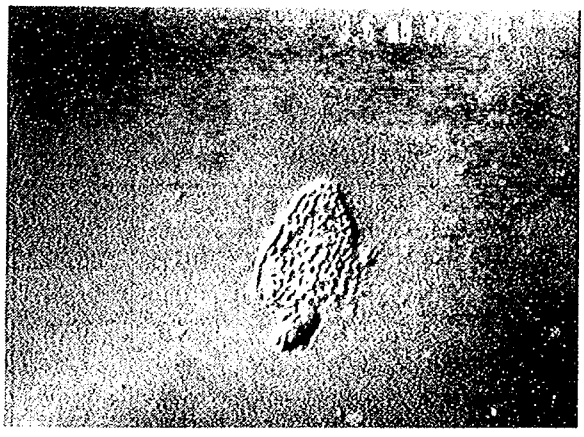
濃度(mM)	死亡個体／全個体				死亡率(%)
0.40	4/7,	12/12,	10/11,	8/8	87.01
0.35	5/10,	4/10,	7/10,	9/10	62.50
0.30	3/8,	2/10,	3/9,	2/7	29.85
0.25	2/9,	4/9,	3/13,	1/8	25.56
0.20	2/9,	0/10,	1/7,	1/11	11.39
0.15	0/10,	0/8,	0/9,	1/11	2.27



写真－ 6.7
Paramecium caudatum の光学顕微鏡写真。2.08 mM 2-クロロフェノール処理開始より 2 時間後の写真で，形態的に健全な細胞を示す。
倍率：× 176



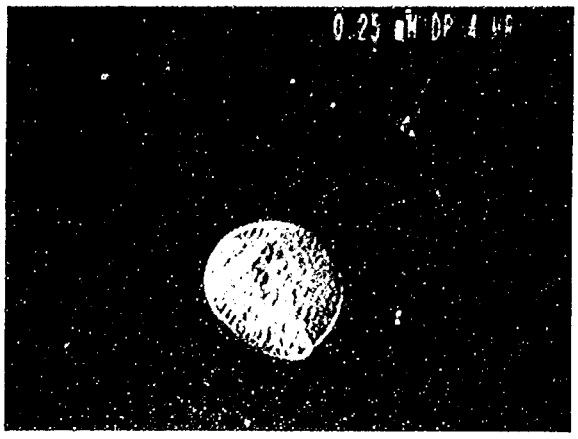
写真－ 6.8
Paramecium caudatum の光学顕微鏡写真。2.50 mM 2-クロロフェノール処理開始より 2 時間後の写真で，細胞が死亡する直前の膨潤した形態を示す。
倍率：× 176



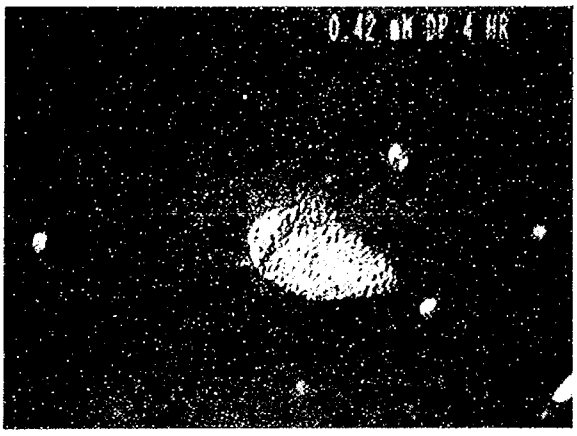
写真－ 6.9
Paramecium caudatum の光学顕微鏡写真。3.60 mM 2-クロロフェノール処理開始より 2 時間後の写真で，細胞は死亡し，細胞体が破裂してしまっている。
倍率：× 176



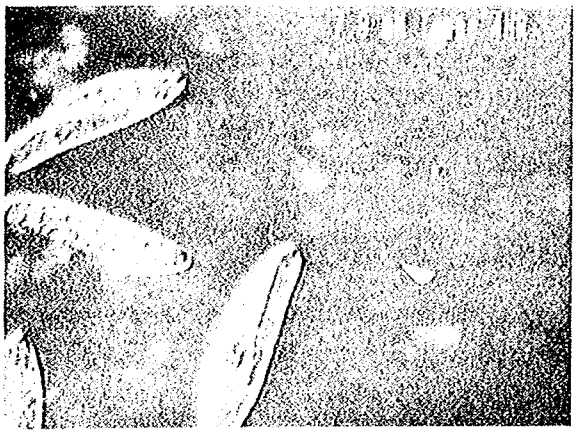
写真－ 6.10
Paramecium caudatum の光学顕微鏡写真。0.08 mM 2.4-ジクロロフェノール処理開始より 4 時間後の写真で，形態的に健全な細胞を示す。倍率：× 176



写真－ 6.11
Paramecium caudatum の光学顕微鏡写真。0.25mM 2.4－ジクロロフェノール処理開始より4時間後の写真で，細胞が死亡する直前の膨潤した形態を示す。
倍率：× 176



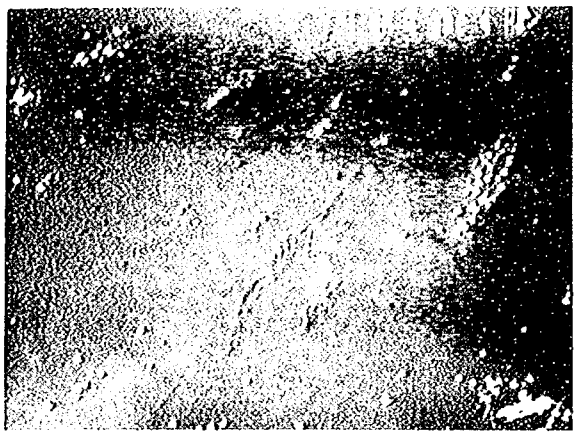
写真－ 6.12
Paramecium caudatum の光学顕微鏡写真。0.42mM 2.4－ジクロロフェノール処理開始より4時間後の写真で，細胞は死亡し，細胞体が破裂してしまっている。
倍率：× 176



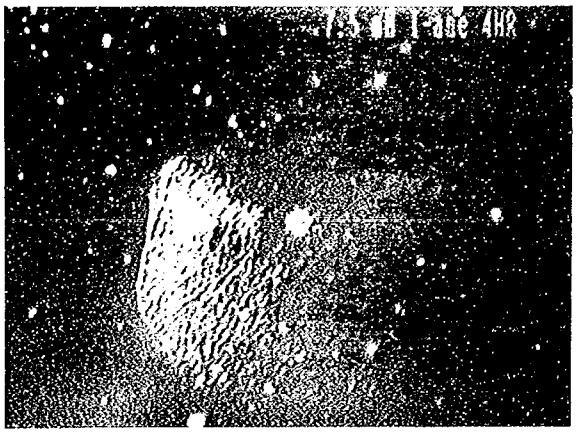
写真－ 6.13
Paramecium caudatum の光学顕微鏡写真。7.9mM 1,1,1－トリクロロエタン処理開始より4時間後の写真で，形態的に健全な細胞を示す。倍率：× 176



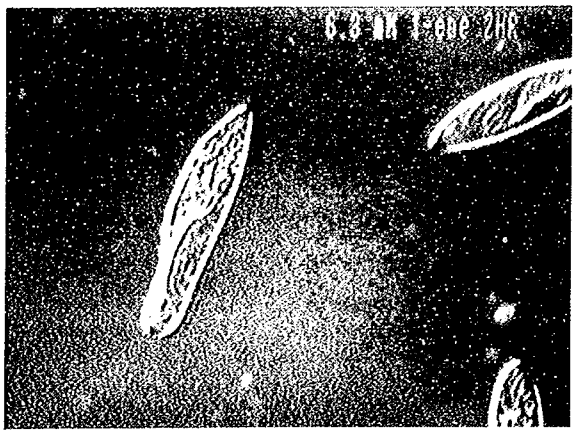
写真－ 6.14
Paramecium caudatum の光学顕微鏡写真。7.9mM 1,1,1－トリクロロエタン処理開始より4時間後の写真で，細胞が死亡する直前の膨潤した形態を示す。
倍率：× 176



写真－ 6.15
Paramecium caudatum の光学顕微鏡写真。7.1mM 1,1,1－トリクロロエタン処理開始より4時間後の写真で，細胞は完全に崩壊し，試験液中に離散してしまっている。細胞の残骸として，わずかに網状に残った毛胞（トリコシスト）が観察される。
倍率：×176



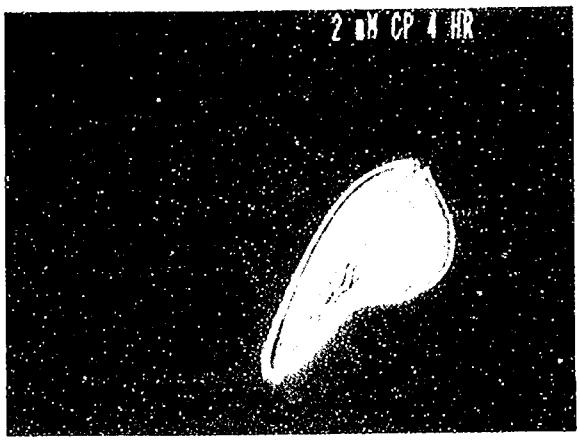
写真－ 6.16
Paramecium caudatum の光学顕微鏡写真。7.5mM 1,1,1－トリクロロエタン処理開始より4時間後の写真で，細胞は死亡し，細胞体が破裂してしまっている。
倍率：×176



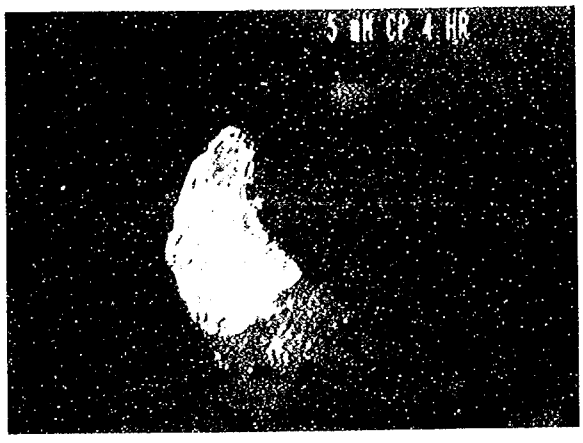
写真－ 6.17
Paramecium caudatum の光学顕微鏡写真。6.3mM トリクロロエチレン処理開始より2時間後の写真で，形態的に健全な細胞を示す。
倍率：×176



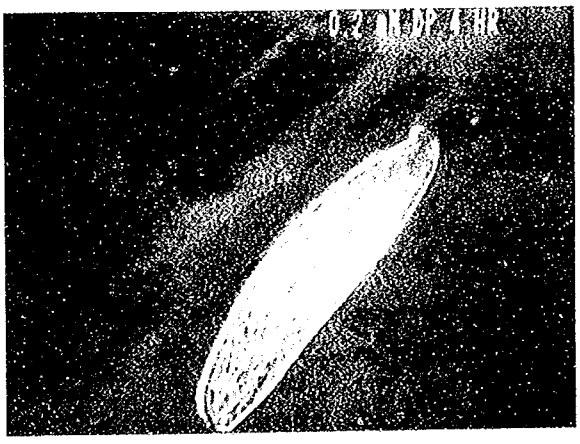
写真－ 6.18
Paramecium caudatum の光学顕微鏡写真。7.9mM トリクロロエチレン処理開始より2時間後の写真で，細胞が死亡する直前の膨潤した形態を示す。
倍率：×176



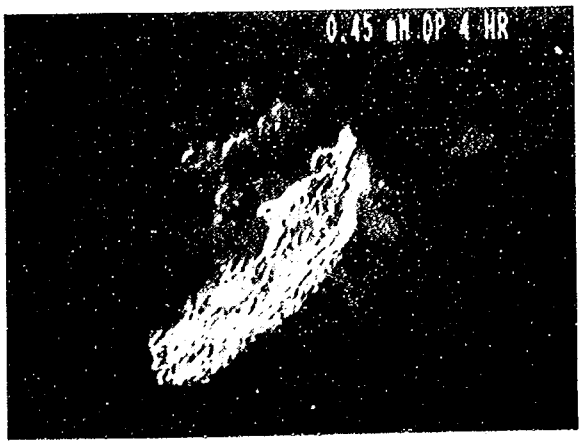
写真－ 6.19
Blepharisma japonicum の光学顕微鏡写真。2.0 mM 2-クロロフェノール処理開始より4時間後の写真で，収縮胞がわずかに膨化はしているものの，その他の形態は全く正常な細胞である。倍率：× 176



写真－ 6.20
Blepharisma japonicum の光学顕微鏡写真。5.0 mM 2-クロロフェノール処理開始より4時間後の写真で，細胞は死亡し，細胞体が破裂してしまっている。
倍率：× 176



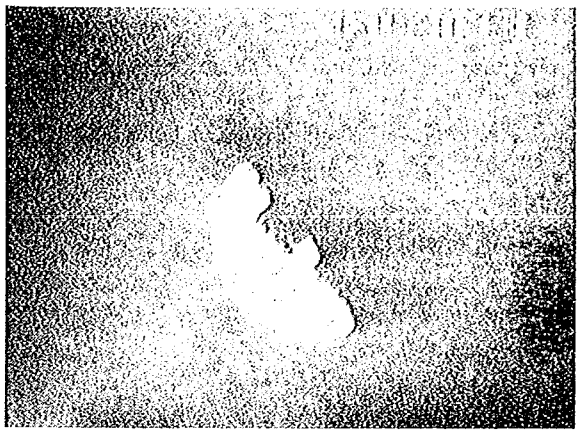
写真－ 6.21
Blepharisma japonicum の光学顕微鏡写真。0.2 mM 2.4－ジクロロフェノール処理開始より4時間後の写真で，正常な形態の細胞を示す。
倍率：× 176



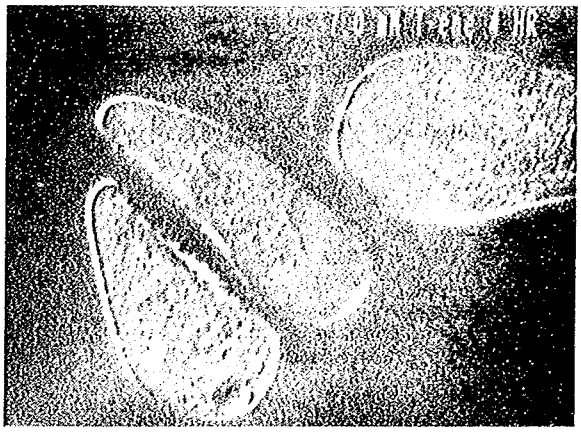
写真－ 6.22
Blepharisma japonicum の光学顕微鏡写真。0.45 mM 2.4－ジクロロフェノール処理開始より4時間後の写真で，細胞は死亡し，細胞体が破裂してしまっている。
倍率：× 176



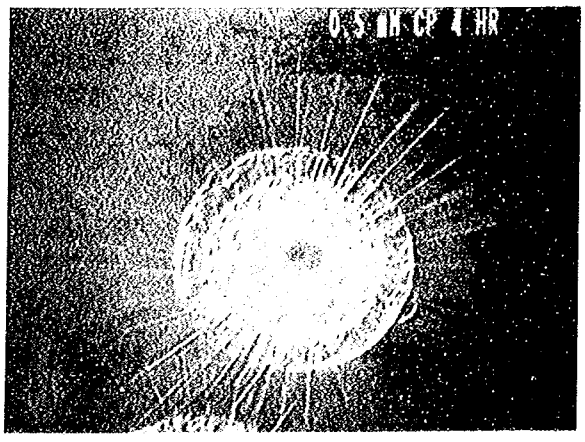
写真－ 6.23
Blepharisma japonicum の光学顕微鏡写真。
7.0mM　1,1,1－トリクロロエタン処理開始より4時間後の写真で，正常な形態の細胞を示す。
倍率：× 176



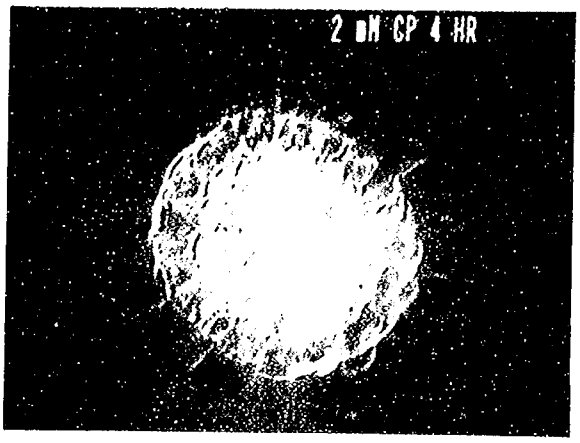
写真－ 6.24
Blepharisma japonicum の光学顕微鏡写真。
10.0mM　1,1,1－トリクロロエタン処理開始より4時間後の写真で，細胞は死亡し，細胞体が破裂してしまっている。
倍率：× 176



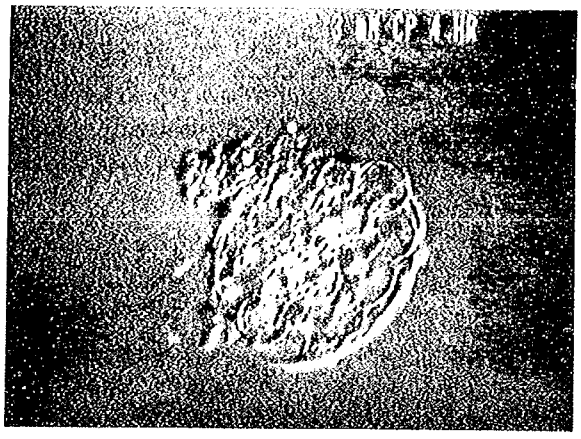
写真－ 6.25
Blepharisma japonicum の光学顕微鏡写真。
7.0mM　トリクロロエチレン処理開始より4時間後の写真で，細胞の形態は正常である。
倍率：× 176



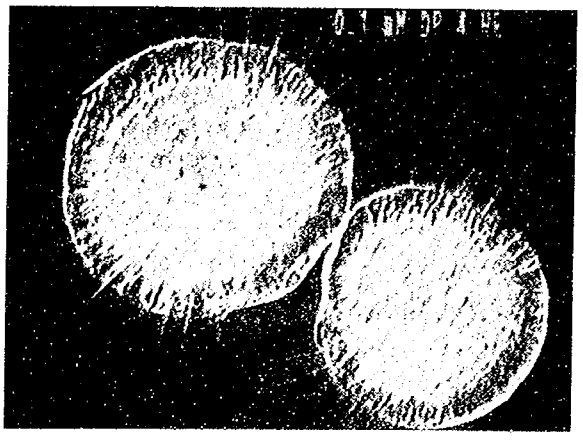
写真－ 6.26
Echinosphaerium akamae の光学顕微鏡写真。
0.5mM　2－クロロフェノール処理開始より4時間後の写真で，形態的に健全な細胞を示す。細胞体の表面からは，多数の針状仮足（軸足）が放射状に射出している。
倍率：× 176



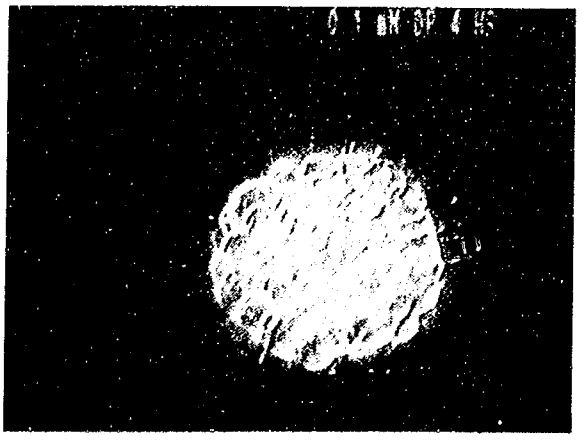
写真－ 6.27
Echinosphaerium akamae の光学顕微鏡写真。2.0mM 2-クロロフェノール処理開始より4時間後の写真で，大部分の軸足の短縮が起り，さらに外層を形成する液胞の肥大が観察される。
倍率：× 176



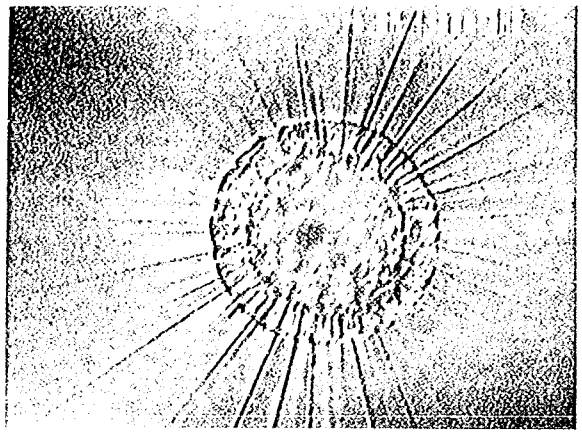
写真－ 6.28
Echinosphaerium akamae の光学顕微鏡写真。3.0mM 2-クロロフェノール処理開始より4時間後の写真で，細胞が死亡する瞬間を示す。すべての軸足が完全に消失しており，肥大した液胞の一部が破裂し，細胞質が流出しているのがわかる。
倍率：× 176



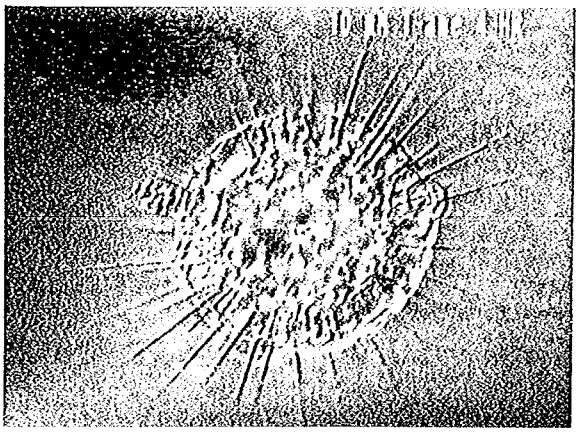
写真－ 6.29
Echinosphaerium akamae の光学顕微鏡写真。0.1mM 2.4-ジクロロフェノール処理開始より4時間後の写真で，形態的に健全な細胞を示す。細胞体の表面からは，多数の針状仮足（軸足）が放射状に射出している。
倍率：× 176



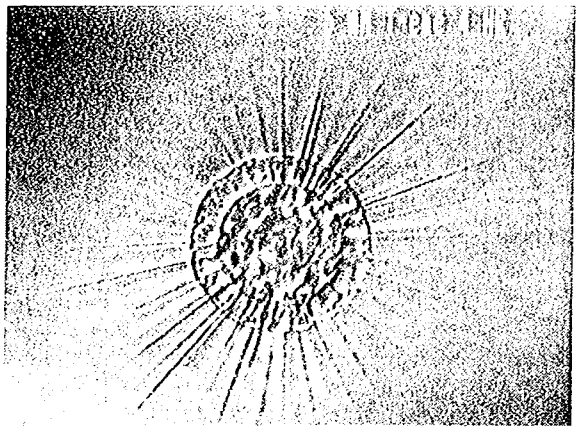
写真－ 6.30
Echinosphaerium akamae の光学顕微鏡写真。0.3mM 2.4-ジクロロフェノール処理開始より4時間後の写真で，細胞が死亡する直前の形態を示す。仮足は短縮し，細胞表面にも不規則な凹凸が認められる。
倍率：× 176



写真－ 6.31
Echinosphaerium akamae の光学顕微鏡写真。9.5mM 1,1,1－トリクロロエタン処理開始より4時間後の写真で，形態的に健全な細胞を示す。倍率：× 176



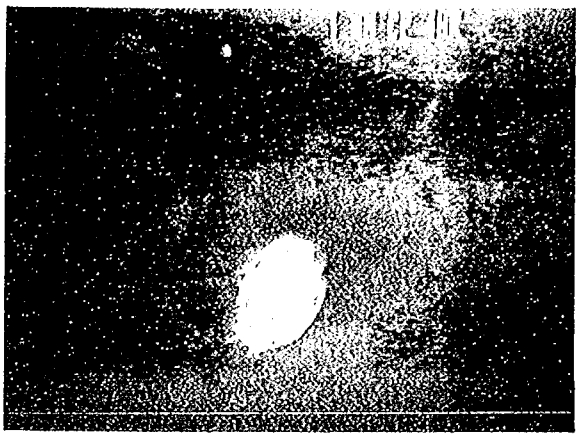
写真－ 6.32
Echinosphaerium akamae の光学顕微鏡写真。10.0mM 1,1,1－トリクロロエタン処理開始より4時間後の写真で，9.5mM 処理に比べて，仮足の長さがかなり短縮しており，外質を形成している液胞も肥大化している。
倍率：× 176



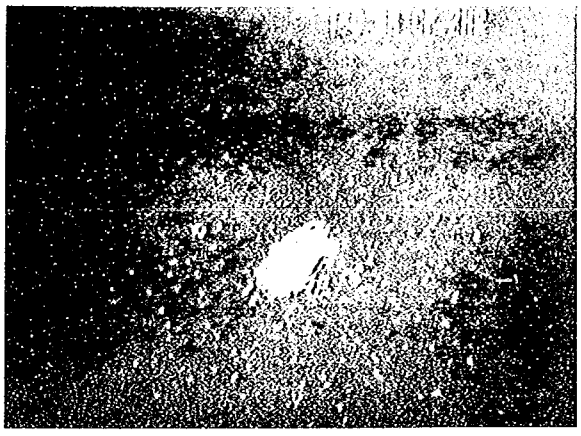
写真－ 6.33
Echinosphaerium akamae の光学顕微鏡写真。5.0mM トリクロロエチレン処理開始より4時間後の写真で，形態的に健全な細胞を示す。
倍率：× 176



写真－ 6.34
Stylonychia mytilus の光学顕微鏡写真。1.0mM 2-クロロフェノール処理開始より2時間後の写真で，形態的に健全な細胞を示す。
倍率：× 176



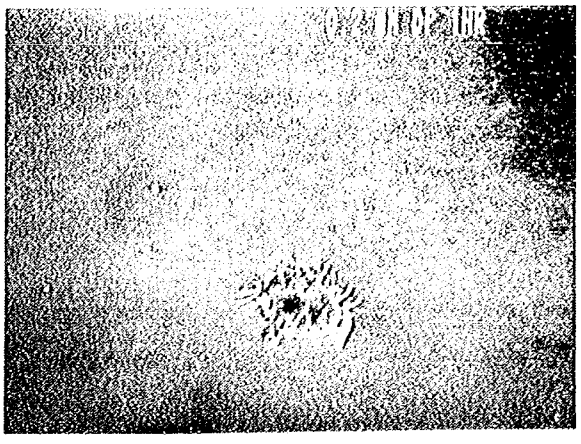
写真－ 6.35
Stylonychia mytilus の光学顕微鏡写真。
1.0mM 2-クロロフェノール処理開始より 4 時間後の写真で，細胞体は球形化し，死亡直前である。
倍率：× 176



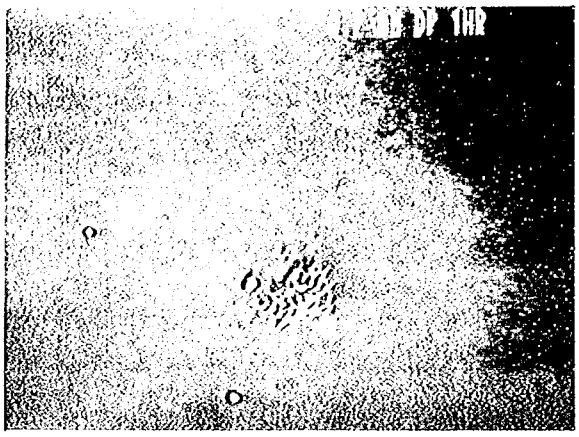
写真－ 6.36
Stylonychia mytilus の光学顕微鏡写真。
1.0mM 2-クロロフェノール処理開始より 2 時間後の写真で，死亡した細胞の残骸を示す。
倍率：× 176



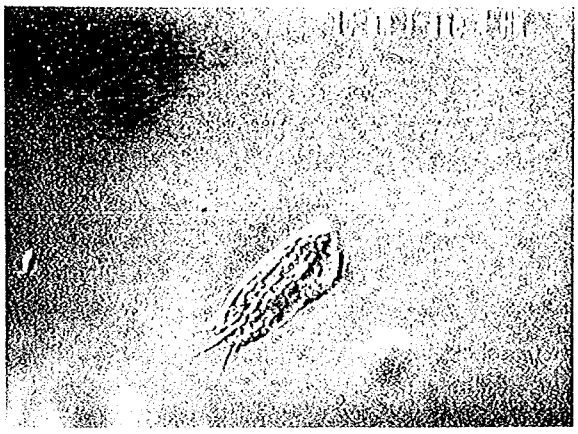
写真－ 6.37
Stylonychia mytilus の光学顕微鏡写真。
0.1mM 2,4－ジクロロフェノール処理開始より 4 時間後の写真で，形態的に健全な細胞を示す。倍率：× 176



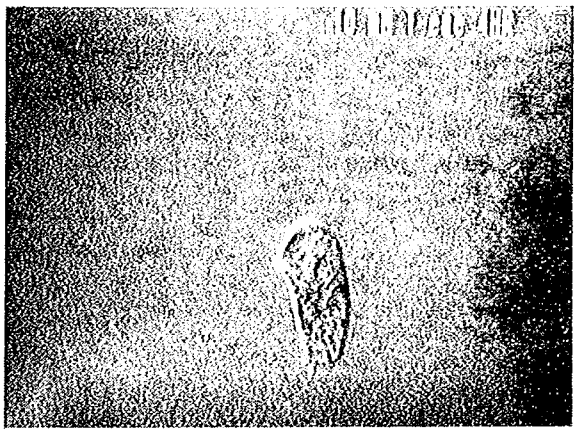
写真－ 6.38
Stylonychia mytilus の光学顕微鏡写真。
0.2mM 2,4－ジクロロフェノール処理開始より 1 時間後の写真で，細胞体は球形化し死亡直前である。
倍率：× 176



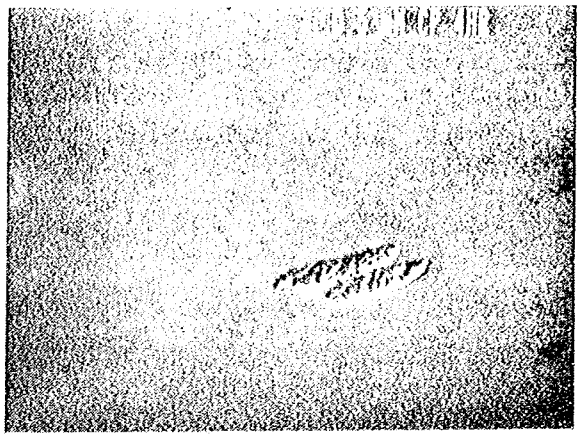
写真－ 6.39
Stylonychia mytilus の光学顕微鏡写真。
0.2mM 2,4－ジクロロフェノール処理開始より1時間後の写真で，死亡した細胞の残骸を示す。倍率：×176



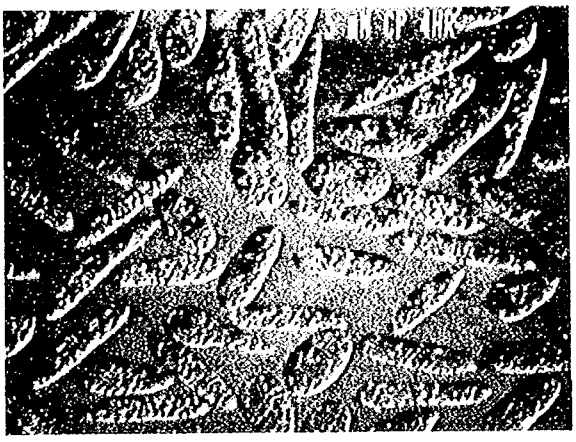
写真－ 6.40
Stylonychia mytilus の光学顕微鏡写真。
10mM 1,1,1－トリクロロエタン処理開始より4時間後の写真で，形態的に健全な細胞を示す。
倍率：×176



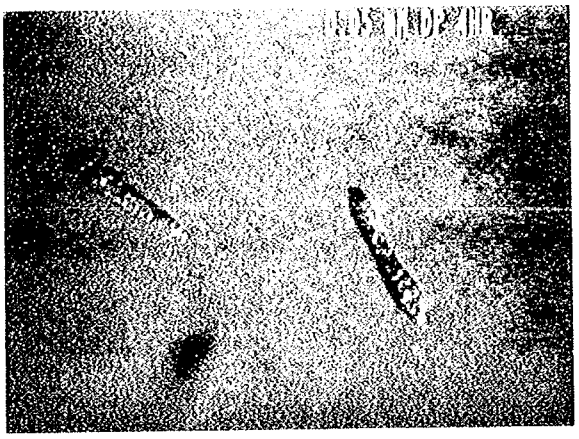
写真－ 6.41
Stylonychia mytilus の光学顕微鏡写真。
10mM トリクロロエチレン処理開始より4時間後の写真で，形態的に健全な細胞を示す。
倍率：×176



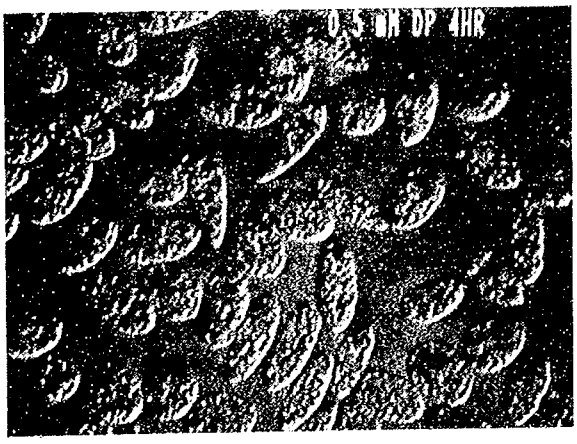
写真－ 6.42
Euglena gracilis の光学顕微鏡写真。0.5mM 2-クロロフェノール処理開始より4時間後の写真で，形態的に健全な細胞を示す。
倍率：×352



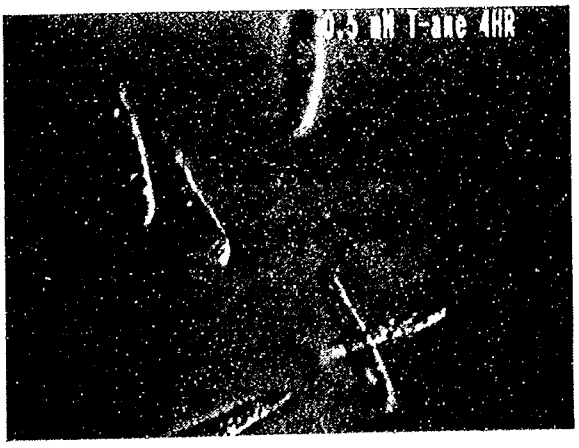
写真－ 6.43
Euglena gracilis の光学顕微鏡写真。5 mM 2-クロロフェノール処理開始より 4 時間後の写真で，全ての細胞が死んでいる。死んだ細胞は，形態的に健全な細胞とあまり違いは認められないが，多少細胞が膨潤している。
倍率：× 352



写真－ 6.44
Euglena gracilis の光学顕微鏡写真。0.05 mM 2,4－ジクロロフェノール処理開始より 4 時間後の写真で，形態的に健全な細胞を示す。
倍率：× 352



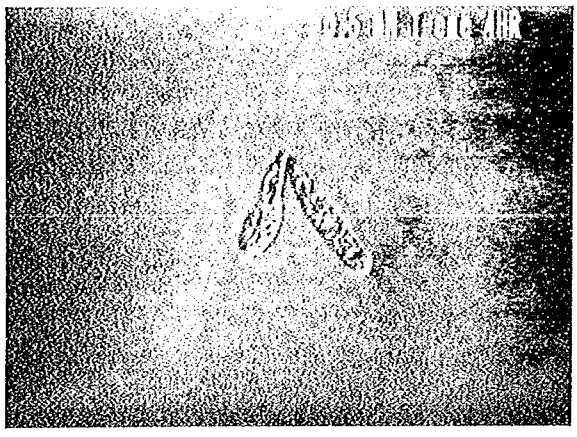
写真－ 6.45
Euglena gracilis の光学顕微鏡写真。0.5 mM 2,4－ジクロロフェノール処理開始より 4 時間後の写真で，全ての細胞が死んで膨潤している。
倍率：× 352



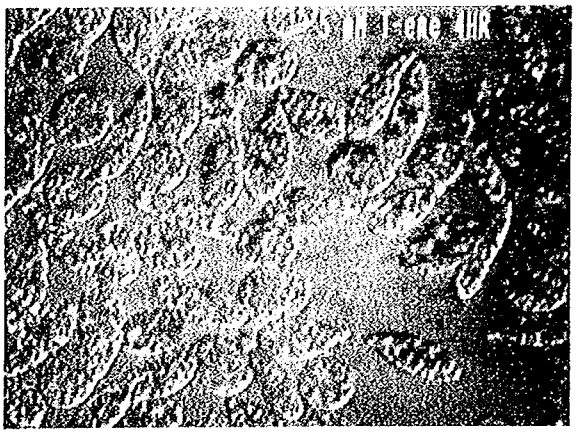
写真－ 6.46
Euglena gracilis の光学顕微鏡写真。0.5 mM 1,1,1－トリクロロエタン処理開始より 4 時間後の写真で，形態的に健全な細胞を示す。
倍率：× 352



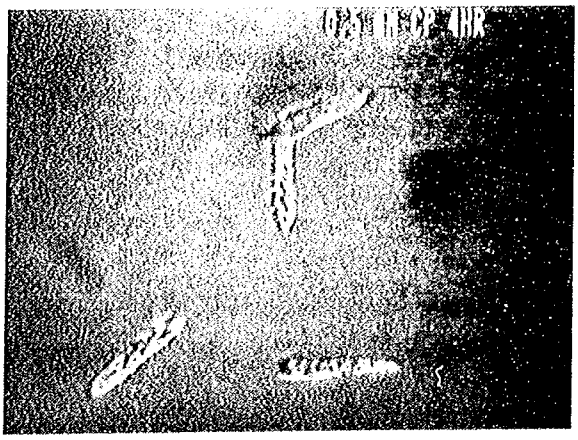
写真－ 6.47
Euglena gracilis の光学顕微鏡写真。0.5 mM 1,1,1－トリクロロエタン処理開始より 4 時間後の写真で，細胞は死んでいる。
倍率：× 352



写真－ 6.48
Euglena gracilis の光学顕微鏡写真。0.5 mM トリクロロエチレン処理開始より 4 時間後の写真で，形態的に健全な細胞を示す。
倍率：× 352



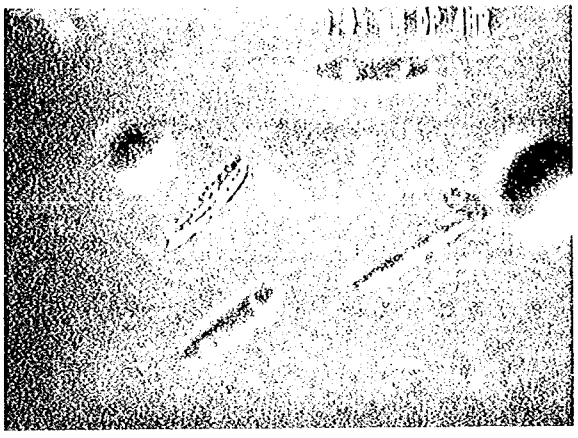
写真－ 6.49
Euglena gracilis の光学顕微鏡写真。0.5 mM トリクロロエチレン処理開始より 4 時間後の写真で，全ての細胞が死んで膨潤している。
倍率：× 352



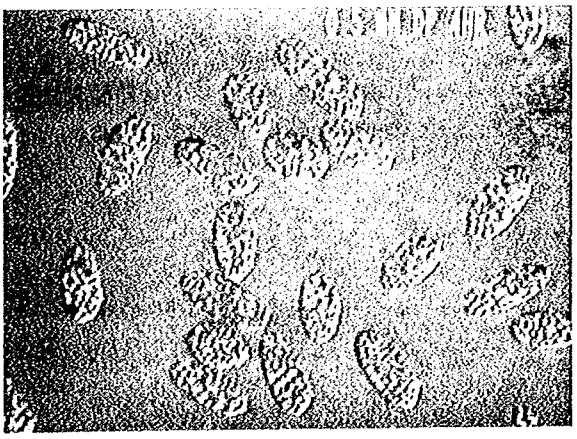
写真－ 6.50
Astasia longa の光学顕微鏡写真。0.5 mM 2-クロロフェノール処理開始より 4 時間後の写真で，形態的に健全な細胞を示す。
倍率：× 352



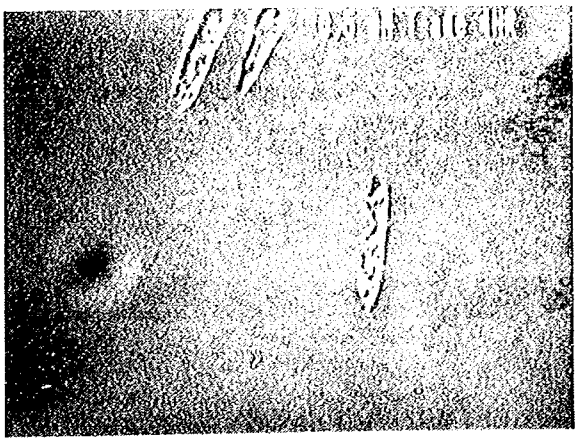
写真－ 6.51
Astasia longa の光学顕微鏡写真。5 mM 2-クロロフェノール処理開始より 4 時間後の写真で，全ての細胞が死んでいる。死んだ細胞は，形態的に健全な細胞とあまり違いは認められないが，多少細胞が膨潤している。
倍率：× 352



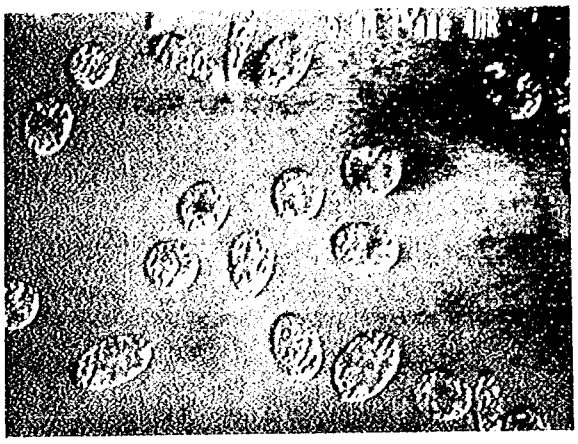
写真－ 6.52
Astasia longa の光学顕微鏡写真。0.05 mM 2,4－ジクロロフェノール処理開始より 4 時間後の写真で，形態的に健全な細胞を示す。
倍率：× 352



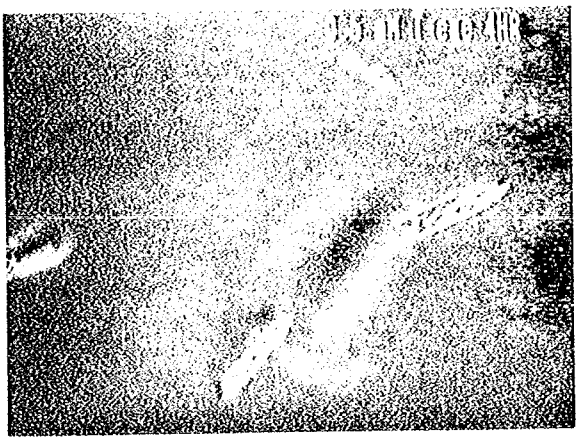
写真－ 6.53
Astasia longa の光学顕微鏡写真。0.5 mM 2,4－ジクロロフェノール処理開始より 4 時間後の写真で，全ての細胞が死んで膨潤している。
倍率：× 352



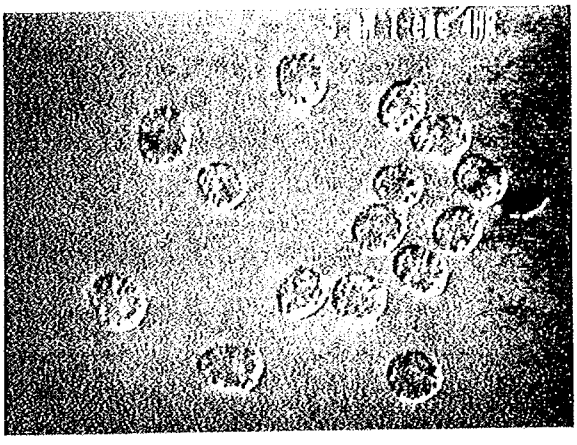
写真－ 6.54
Astasia longa の光学顕微鏡写真。0.5 mM 1,1,1－トリクロロエタン処理開始より 4 時間後の写真で，形態的に健全な細胞を示す。
倍率× 352



写真－ 6.55
Astasia longa の光学顕微鏡写真。0.5 mM 1,1,1－トリクロロエタン処理開始より 4 時間後の写真で，細胞は死んでいる。
倍率：× 352



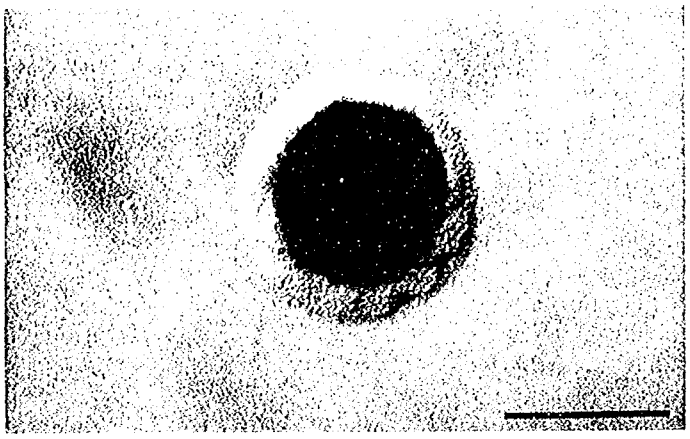
写真－ 6.56
Astasia longa の光学顕微鏡写真。0.5 mM トリクロロエチレン処理開始より 4 時間後の写真で，形態的に健全な細胞を示す。
倍率：× 352



写真－ 6.57
Astasia longa の光学顕微鏡写真。0.5 mM トリクロロエチレン処理開始より 4 時間後の写真で，全ての細胞が死んで膨潤している。
倍率：× 352

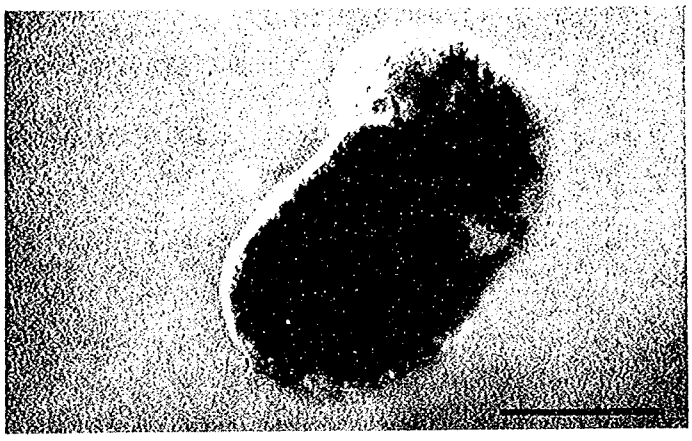


写真－ 6.58
Amoeba proteus の光学顕微鏡写真。1.0 mM 2-クロロフェノール処理開始直後の写真で，形態的に健全な細胞を示す。
スケールバー：100 μm



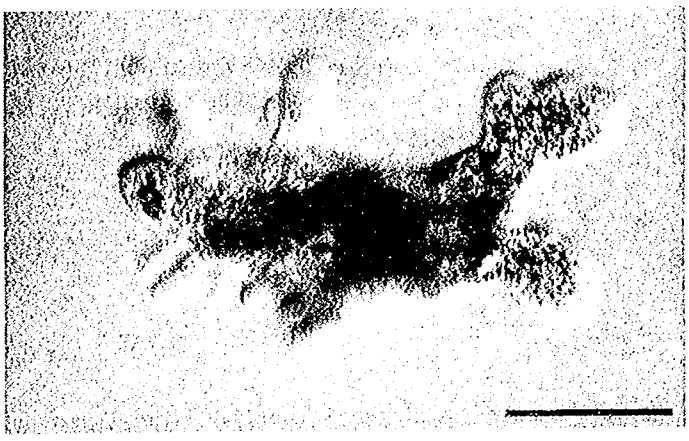
写真－ 6.59

Amoeba proteus の光学顕微鏡写真。1.0 mM 2-クロロフェノール処理開始より30分後の写真で，細胞が死亡する直前の球形化した形態を示す。スケールバー：100 μm



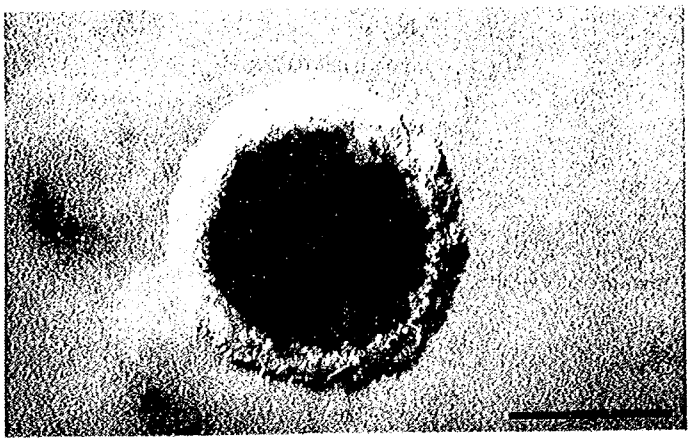
写真－ 6.60

Amoeba proteus の光学顕微鏡写真。1.0 mM 2-クロロフェノール処理開始より30分後の写真で，細胞体は死亡し，膨潤してしまっている。スケールバー：100 μm



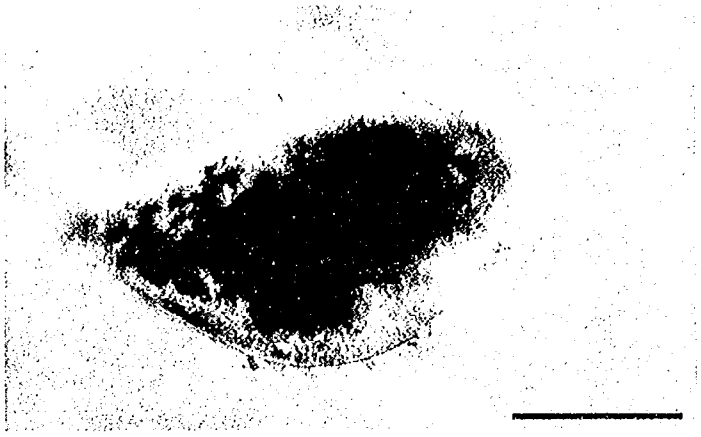
写真－ 6.61

Amoeba proteus の光学顕微鏡写真。0.2 mM 2,4－ジクロロフェノール処理開始直後の写真で，形態的に健全な細胞を示す。
スケールバー：100 μm



写真－ 6.62

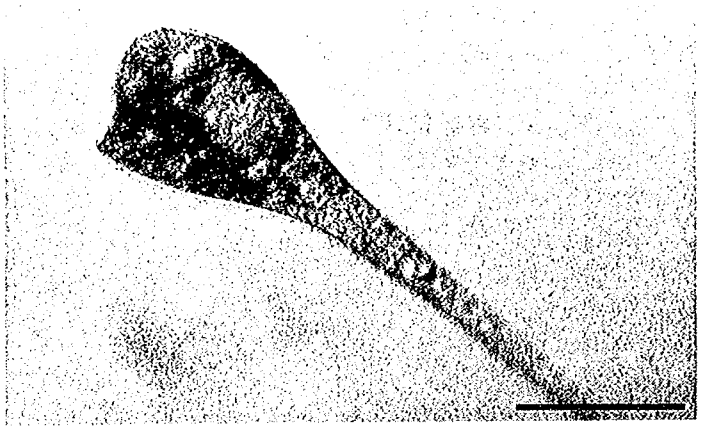
Amoeba proteus の光学顕微鏡写真。0.2 mM 2,4－ジクロロフェノール処理開始より30分後の写真で，細胞が死亡する直前の球形化した形態を示す。
スケールバー：100 μm



写真－ 6.63

Amoeba proteus の光学顕微鏡写真。0.2mM 2,4－ジクロロフェノール処理開始より30分後の写真で，細胞体は死亡し，膨潤した形態を示している。

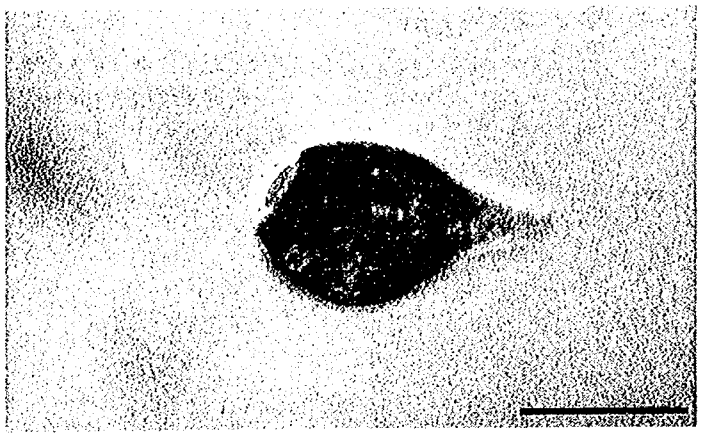
スケールバー：100 μm



写真－ 6.64

Stentor coeruleus の光学顕微鏡写真。1.5mM 2-クロロフェノール処理開始直後の写真で，健全な細胞の収縮前の形態を示す写真である。

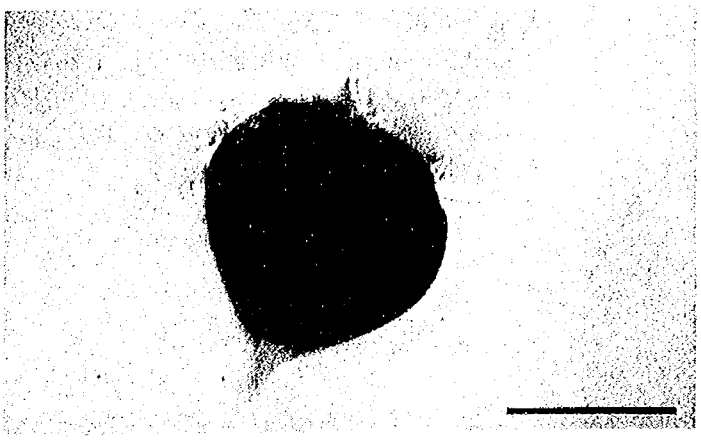
スケールバー：100 μm



写真－ 6.65

Stentor coeruleus の光学顕微鏡写真。1.5mM 2-クロロフェノール処理開始直後の写真で，健全な収縮後の形態を示す。

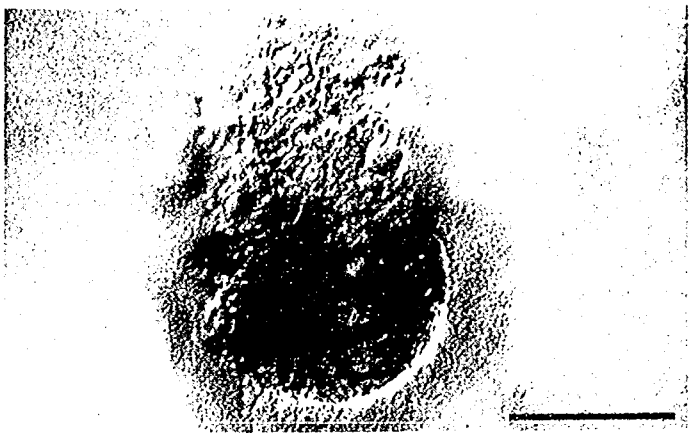
スケールバー：100 μm



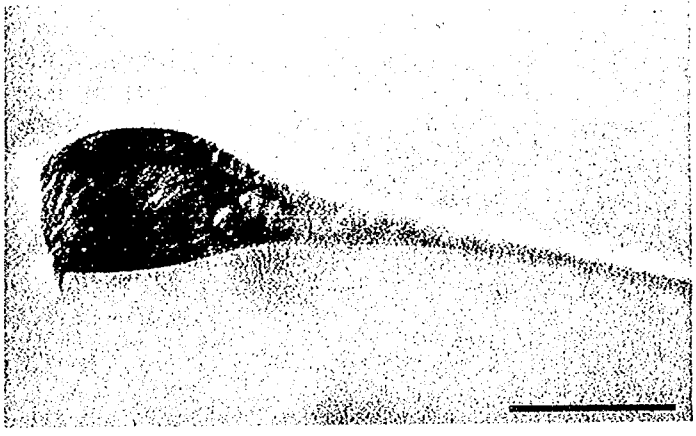
写真－ 6.66

Stentor coeruleus の光学顕微鏡写真。1.5mM 2-クロロフェノール処理開始より30分後の写真で，細胞前端部の膨潤した形態を示す。

スケールバー：100 μm



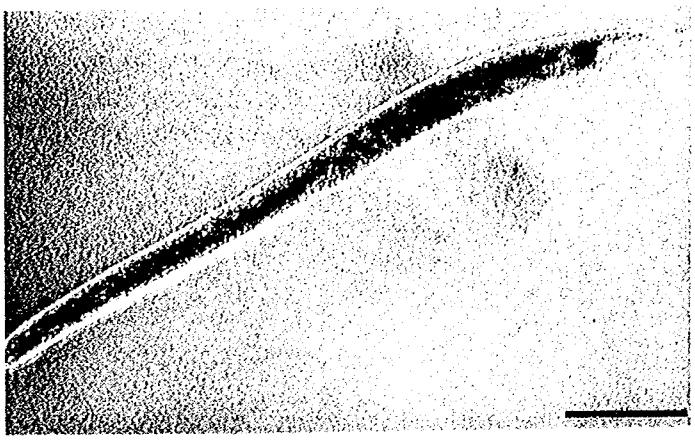
写真－ 6.67
Stentor coeruleus の光学顕微鏡写真。1.5 mM 2-クロロフェノール処理開始より30分後の写真で，細胞は死亡し，破裂した直後の形態を示す。
スケールバー：100 μm



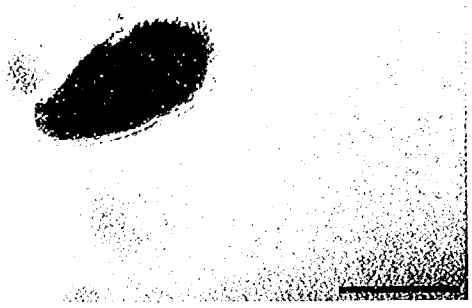
写真－ 6.68
Stentor coeruleus の光学顕微鏡写真。0.50 mM 2,4－ジクロロフェノール処理開始直後の写真で，正常な形態の細胞を示す。
スケールバー：100 μm



写真－ 6.69
Stentor coeruleus の光学顕微鏡写真。0.50 mM 2,4－ジクロロフェノール処理開始より30分後の写真で，細胞は死亡し，細胞体が破裂してしまっている。
スケールバー：100 μm



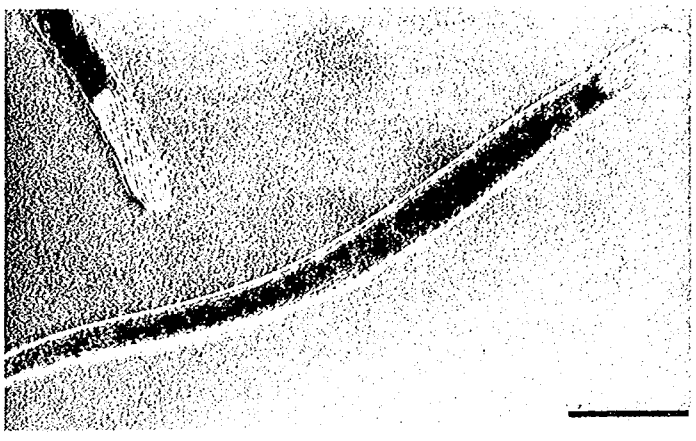
写真－ 6.70
Spirostomum ambiguum の光学顕微鏡写真。1.50 mM 2-クロロフェノール処理開始直後の写真で，形態的に健全な細胞の外部形態を示す。
スケールバー：100 μm



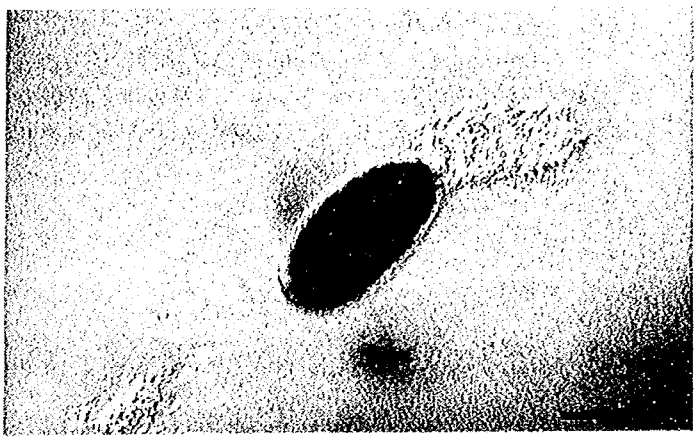
写真－ 6.71
Spirostomum ambiguum の光学顕微鏡写真。1.50 mM 2-クロロフェノール処理開始より30分後の写真で，細胞は収縮し短くなっている様子を示す。
スケールバー：100 μm



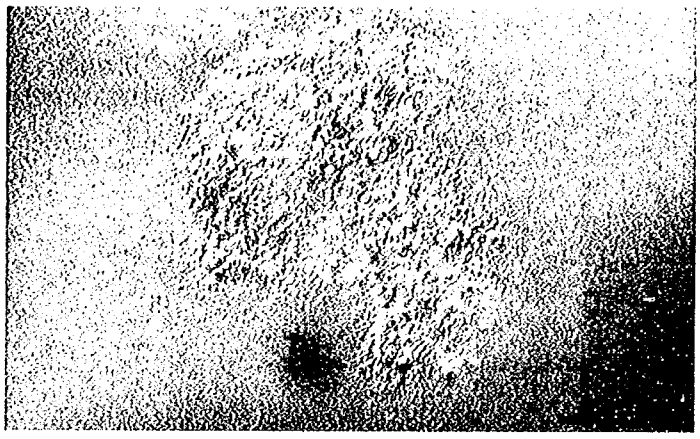
写真－ 6.72
Spirostomum ambiguum の光学顕微鏡写真。1.50 mM 2-クロロフェノール処理開始より30分後の写真で，細胞が死亡し，破裂した瞬間を示す。
スケールバー：100 μm



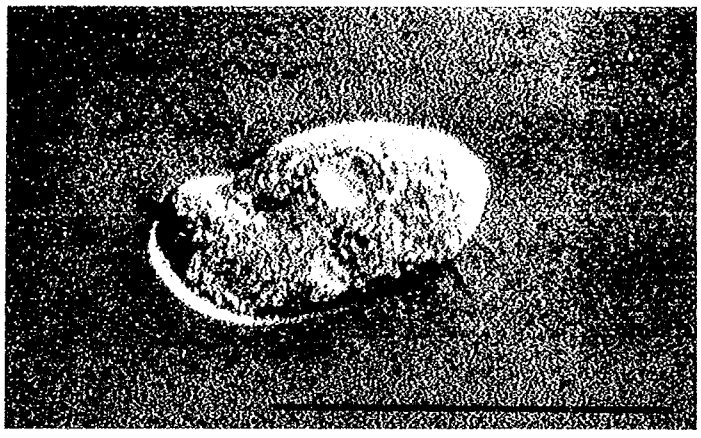
写真－ 6.73
Spirostomum ambiguum の光学顕微鏡写真。0.25 mM 2,4－ジクロロフェノール処理開始直後の写真で，形態的に健全な細胞を示す。
スケールバー：100 μm



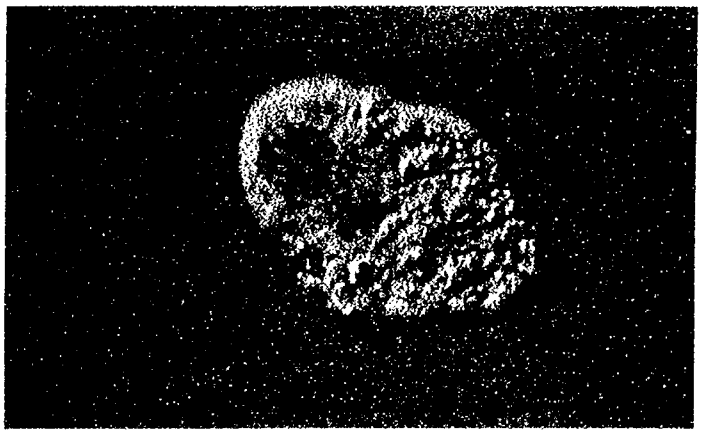
写真－ 6.74
Spirostomum ambiguum の光学顕微鏡写真。0.25 mM 2,4－ジクロロフェノール処理開始より30分後の写真で，細胞が死亡する直前の形態を示す。
スケールバー：100 μm



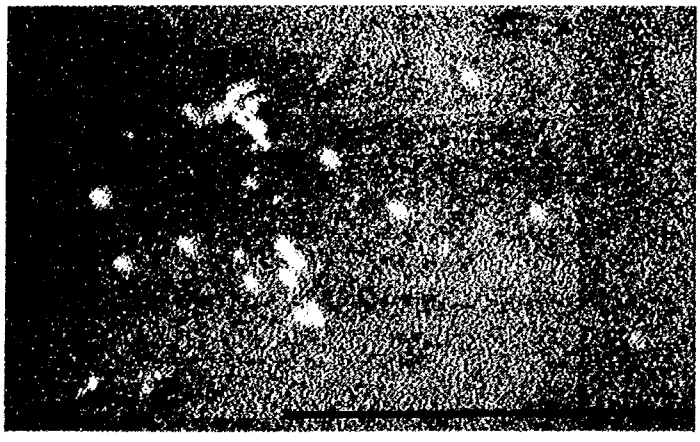
写真－ 6.75
Spirostomum ambiguum の光学顕微鏡写真。
0.25 mM 2,4－ジクロロフェノール処理開始より30分後の写真で，細胞が破裂し死亡した直後の形態を示す。
スケールバー：100 μm



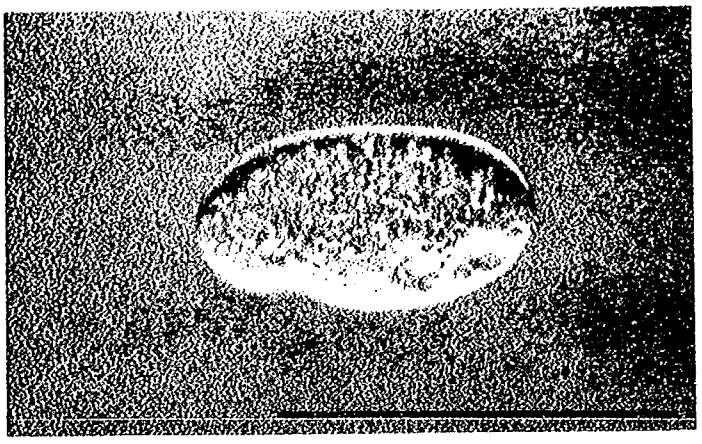
写真－ 6.76
Colpidium campylum の光学顕微鏡写真。
1.50 mM 2-クロロフェノール処理開始直後の写真で，形態的に健全な細胞を示す。
スケールバー：100 μm



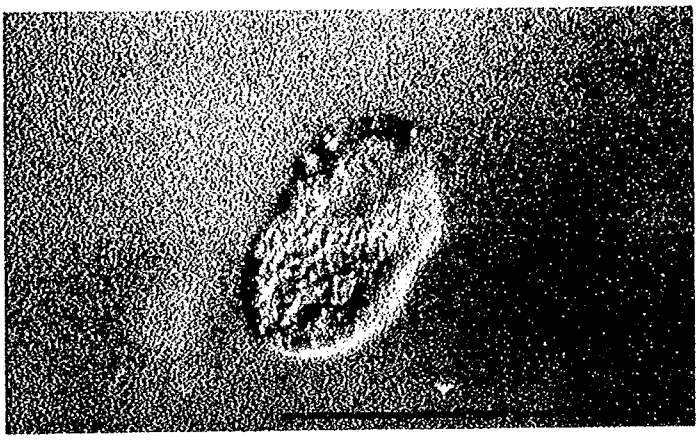
写真－ 6.77
Colpidium campylum の光学顕微鏡写真。
1.50 mM 2-クロロフェノール処理開始より30分後の写真で，死亡した細胞の外部形態を示す。
スケールバー：100 μm



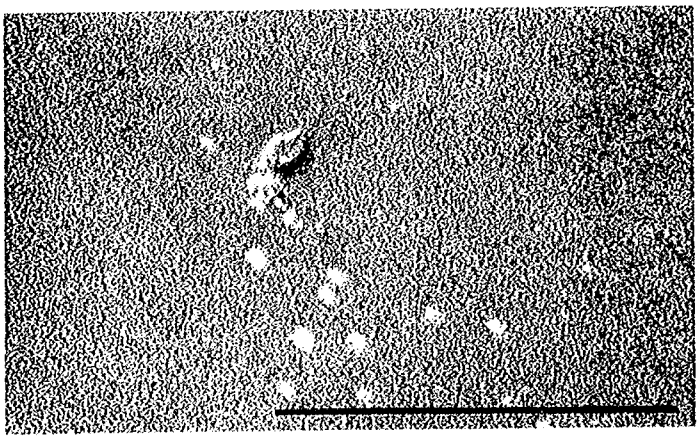
写真－ 6.78
Colpidium campylum の光学顕微鏡写真。
1.50 mM 2-クロロフェノール処理開始より30分後の写真で，死亡した細胞の残骸を示す。
スケールバー：100 μm



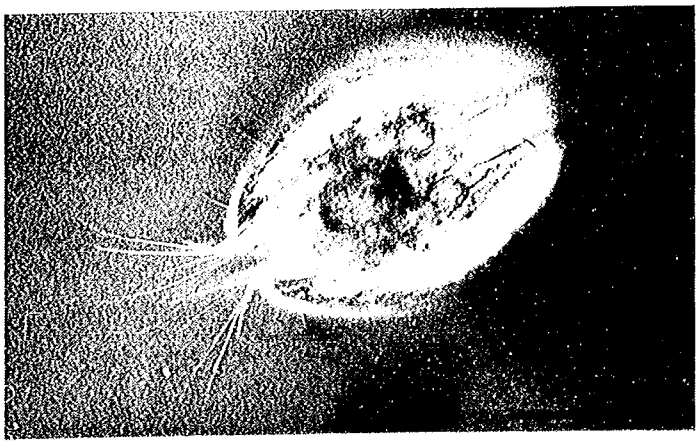
写真－ 6.79
Colpidium campylum の光学顕微鏡写真。0.40 mM 2,4－ジクロロフェノー処理開始直後の写真で，形態的に健全な細胞を示す。
スケールバー：100 μm



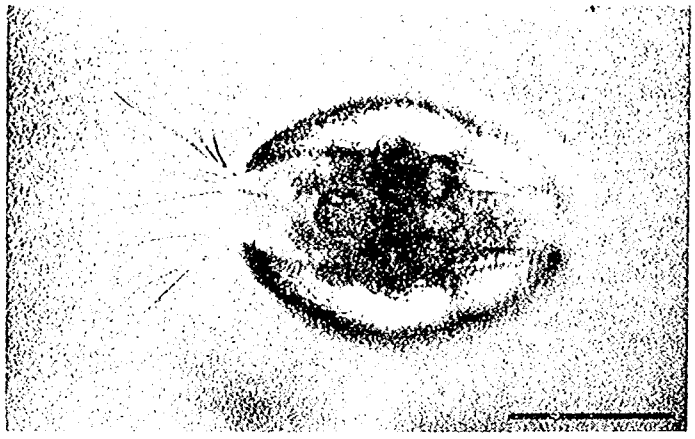
写真－ 6.80
Colpidium campylum の光学顕微鏡写真。0.40 mM 2,4－ジクロロフェノール処理開始より30分後の写真で，死亡した細胞の外部形態を示す。
スケールバー：100 μm



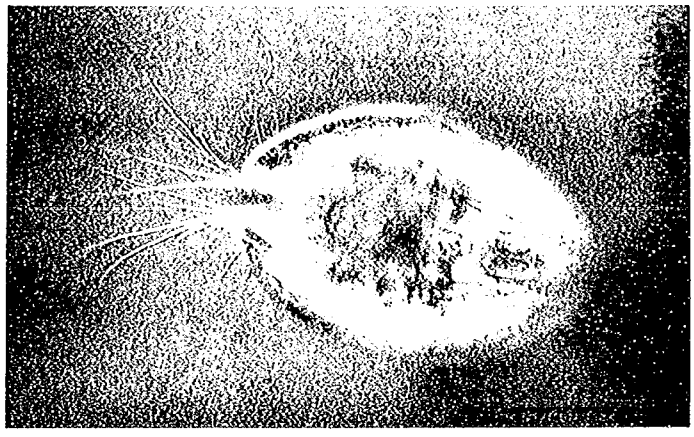
写真－ 6.81
Colpidium campylum の光学顕微鏡写真。0.40 mM 2,4－ジクロロフェノール処理開始より30分後の写真で，死亡した細胞の残骸を示す。
スケールバー：100 μm



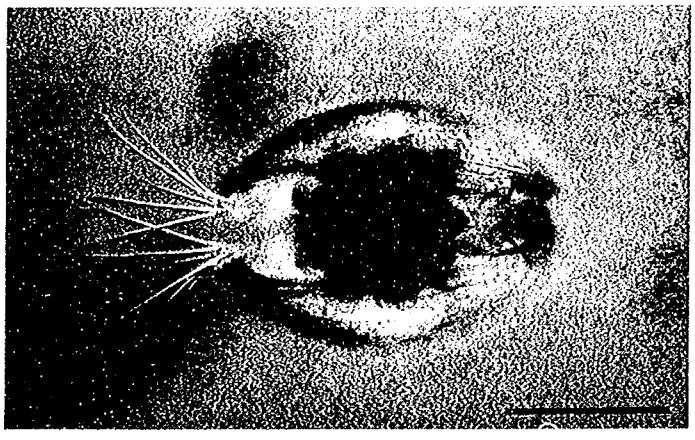
写真－ 6.82
タマミジンコの光学顕微鏡写真。3.0 mM 2-クロロフェノール処理開始直後の写真で，形態的に健全な虫体を示す。
スケールバー：100 μm



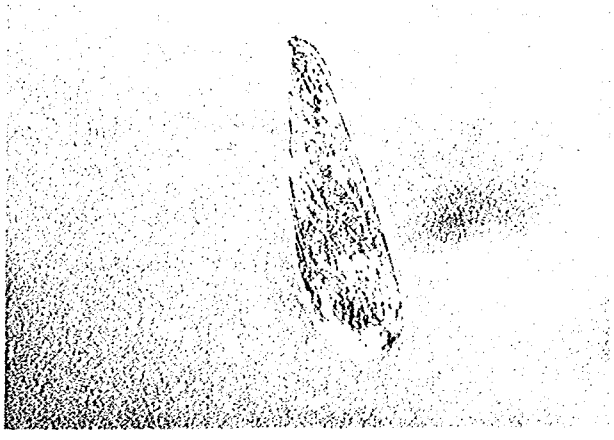
写真－ 6.83
タマミジンコの光学顕微鏡写真。 3.0 mM 2-クロロフェノール処理開始より30分後の写真である。虫体は死亡しているが，形態的に健全な細胞とあまり違いは認められない。
スケールバー：100 μm



写真－ 6.84
タマミジンコの光学顕微鏡写真。 0.40 mM 2,4－ジクロロフェノール処理開始直後の写真で，形態的に健全な虫体を示す。
スケールバー：100 μm



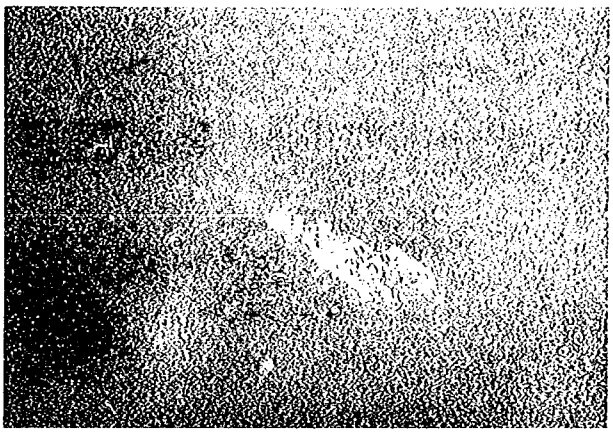
写真－ 6.85
タマミジンコの光学顕微鏡写真。 0.40 mM 2,4－ジクロロフェノール処理開始より30分後の写真である。虫体は死亡しているが，形態的に健全なものとの違いはみられない。
スケールバー：100 μm



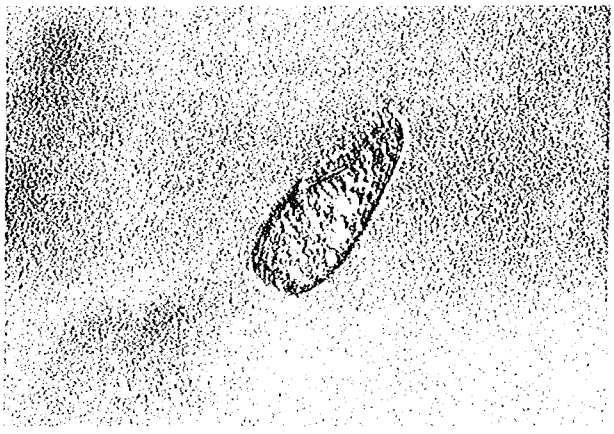
写真－ 6.86
Blepharisma stoltei の光学顕微鏡写真。
形態的に健全な細胞を示す。
（× 260）



写真－ 6.87
Blepharisma stoltei の光学顕微鏡写真。
4.5mM 2-クロロフェノール処理開始より30分後の写真で，細胞体は収縮し，収縮胞が膨張した形態を示す。
（× 260 ）



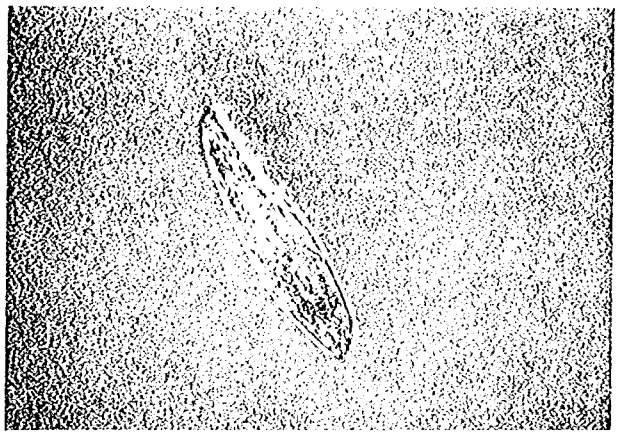
写真－ 6.88
Blepharisma stoltei の光学顕微鏡写真。
4.5mM 2-クロロフェノール処理開始より４時間後の写真で，細胞体は破裂し死亡した残骸。
（× 260 ）



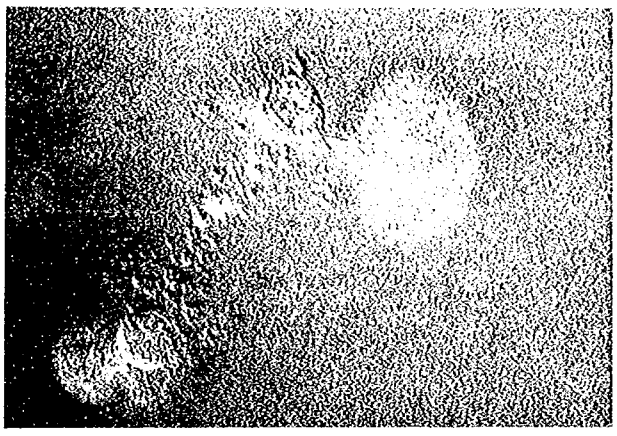
写真－ 6.89
Blepharisma stoltei の光学顕微鏡写真。
0.4mM 2,4－ジクロロフェノール処理開始より30分後の写真で，細胞が収縮し，収縮胞が膨張した形態を示す。
（× 260 ）



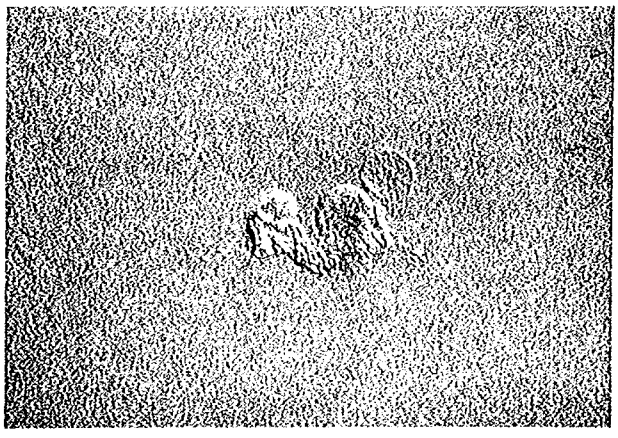
写真－ 6.90
Blepharisma stoltei の光学顕微鏡写真。
0.4mM 2,4－ジクロロフェノール処理開始より４時間後の写真で，細胞が死亡し破裂してしまっている。
（× 260 ）



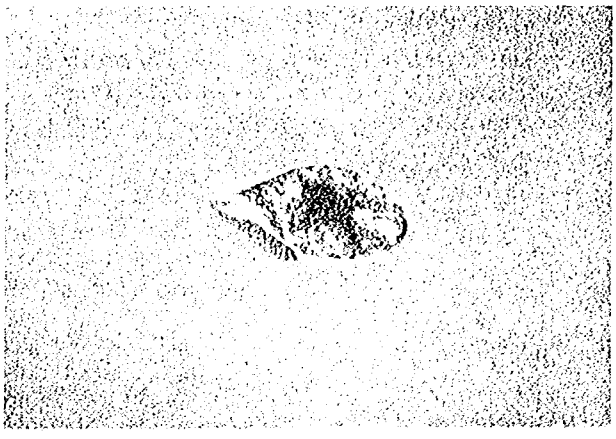
写真－ 6.91
Blopharisma undulans の光学顕微鏡写真。健全な細胞の形態を示す写真である。
（× 260 ）



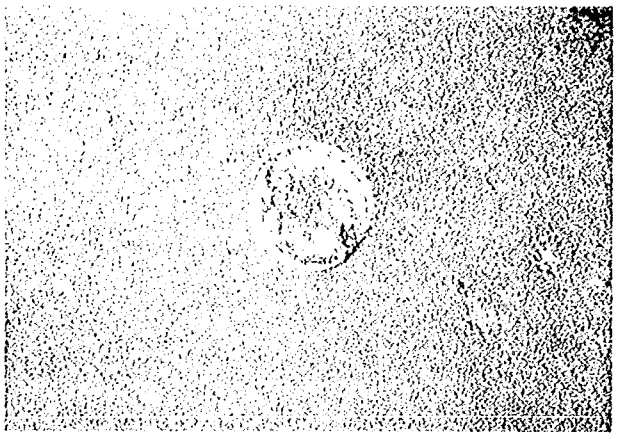
写真－ 6.92
Blopharisma undulans の光学顕微鏡写真。4.0 mM 2-クロロフェノール処理開始より30分後の写真で，細胞が破裂し死亡した直後の形態を示す。
（× 260 ）



写真－ 6.93
Blopharisma undulans の光学顕微鏡写真。3.5 mM 2-クロロフェノール処理開始より４時間後の写真で，細胞が破裂し死亡した残骸を示す。（× 260）



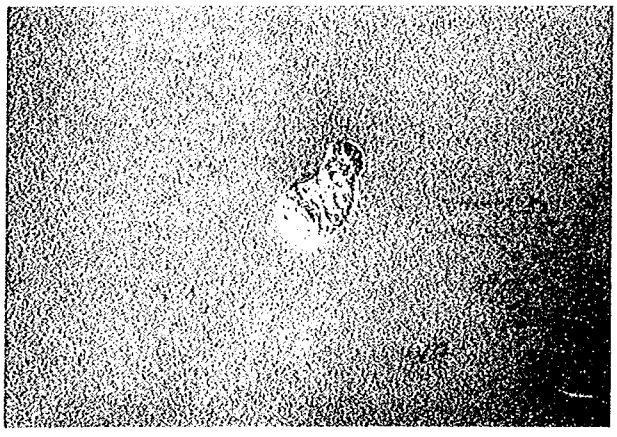
写真－ 6.94
Blopharisma undulans の光学顕微鏡写真。0.4 mM 2,4-ジクロロフェノール処理開始後30分の写真で，細胞が収縮し，収縮胞が膨張した形態を示す。
（× 260 ）



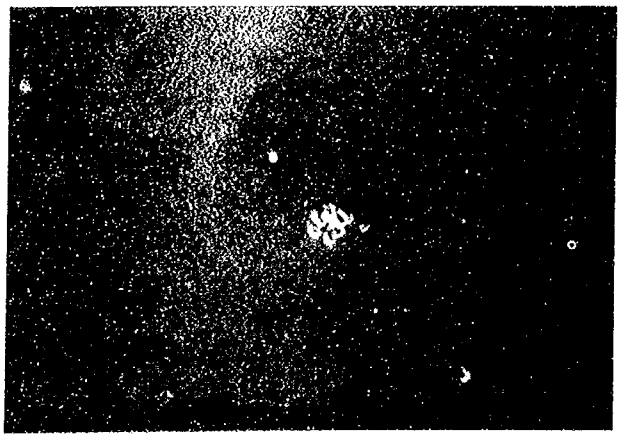
写真－ 6.95
Blopharisma undulans の光学顕微鏡写真。0.3 mM 2,4－ジクロロフェノール処理開始より 4 時間後の写真で，細胞が死亡する直前の球形化した形態を示す。
（× 260 ）



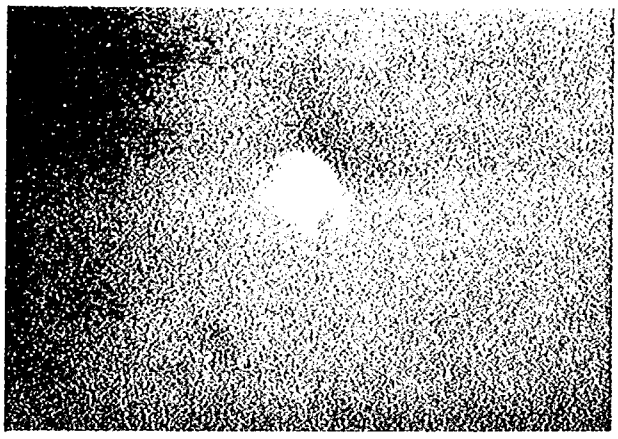
写真－ 6.96
Tetrahymena pyriformis の光学顕微鏡写真。形態的に健全な細胞の外部形態を示す。
（× 260 ）



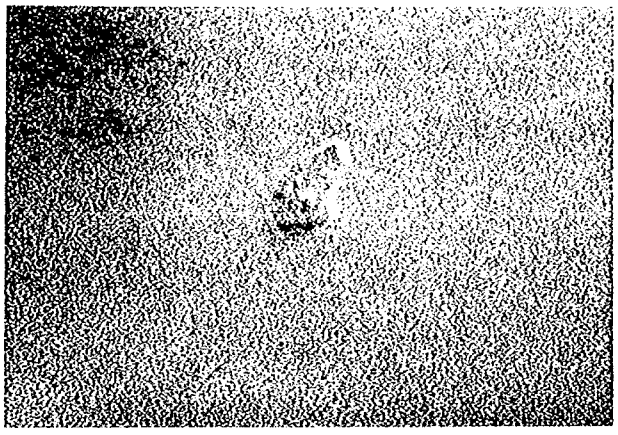
写真－ 6.97
Tetrahymena pyriformis の光学顕微鏡写真。0.05 mM 2-クロロフェノール処理開始より 30 分後の写真で，細胞は収縮し短くなっている様子を示す。細胞に異様なくびれが観察される。
（× 260 ）



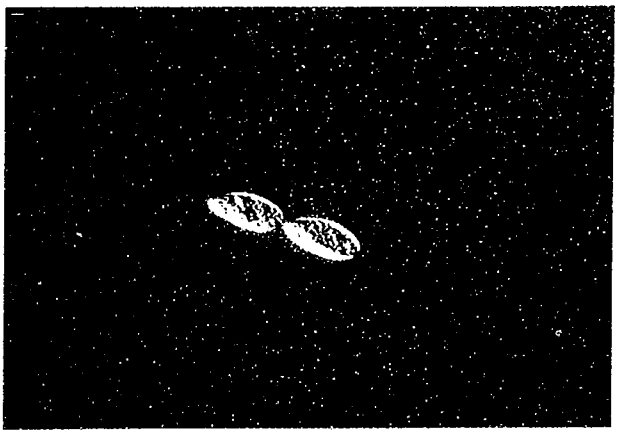
写真－ 6.98
Tetrahymena pyriformis の光学顕微鏡写真。0.05 mM 2-クロロフェノール処理開始より 4 時間後の写真で，細胞破裂し死亡した残骸を示す。（× 260 ）



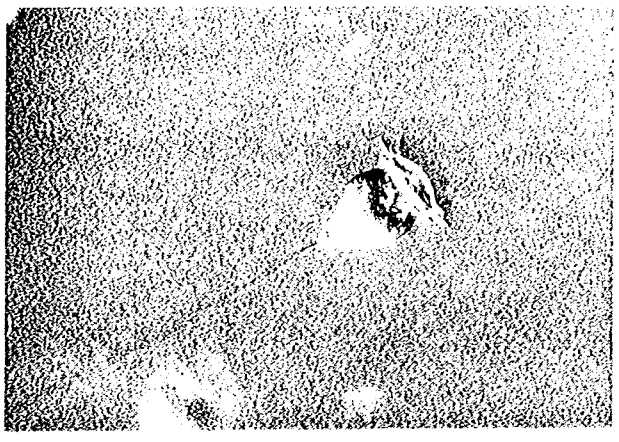
写真－ 6.99
Tetrahymena pyriformis の光学顕微鏡写真。
0.03 mM 2,4－ジクロロフェノール処理開始後30分の写真で，球形化した細胞を示す。
（× 260 ）



写真－ 6.100
Tetrahymena pyriformis の光学顕微鏡写真。
0.03 mM 2,4－ジクロロフェノール処理開始より４時間後の写真で，細胞が死亡する直前の形態を示す。細胞は，いびつに変形している。
（× 260 ）



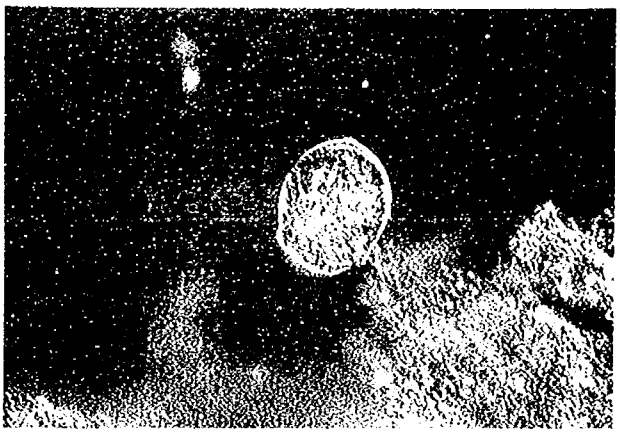
写真－ 6.101
Tetrahymena pyriformis の光学顕微鏡写真。
0.04 mM 2,4－ジクロロフェノール処理開始より４時間後の写真で，細胞が縦分裂している途中の形態を示す。
（× 260 ）



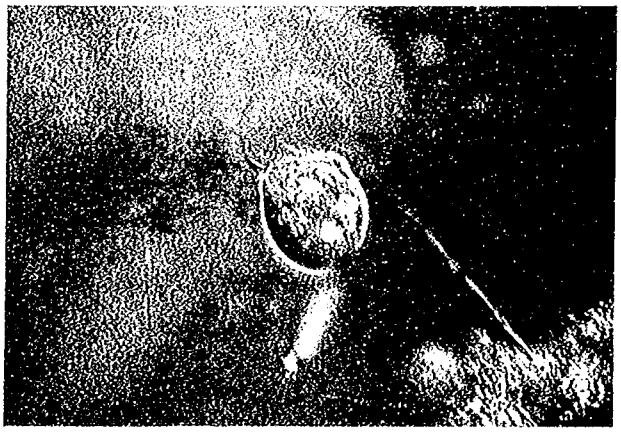
写真－ 6.102
Vorticella campanula の光学顕微鏡写真。
形態的に健全な細胞の外部形態を示す。
（× 260 ）



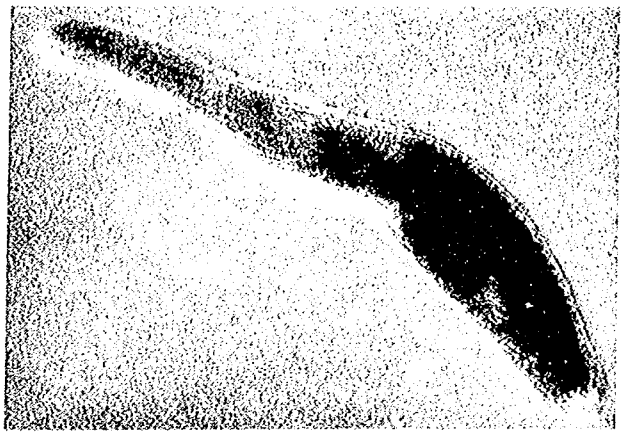
写真－ 6.103
Vorticella campanula の光学顕微鏡写真。
2.0mM 2-クロロフェノール処理開始後30分の写真で，破裂して死亡した細胞の残骸を示す。
（× 260）



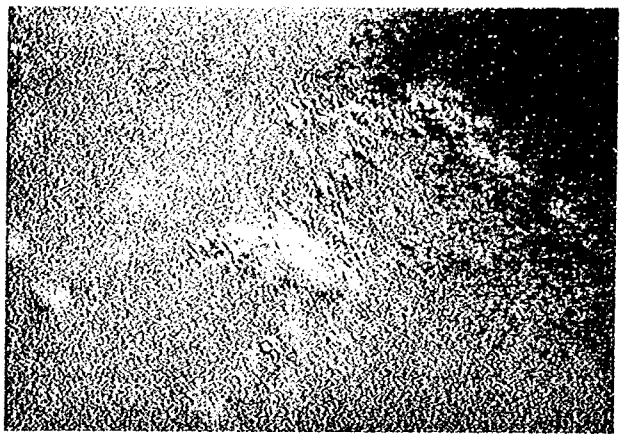
写真－ 6.104
Vorticella campanula の光学顕微鏡写真。
2.0mM 2-クロロフェノール処理開始より4時間後の写真で，細胞は柄から離れ球形化している。特に細胞後端部には，細胞質の突出が観察される。
（× 260）



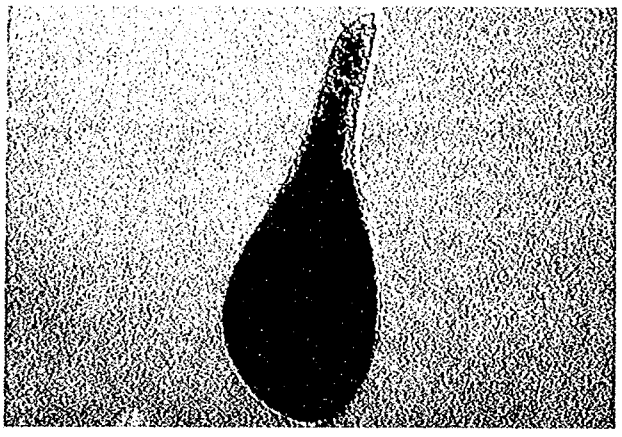
写真－ 6.105
Vorticella campanula の光学顕微鏡写真。
0.40mM 2,4－ジクロロフェノール処理後4時間の写真で，球形化した細胞の外部形態を示す。口部円盤の異常な突出が観察される。
（× 260）



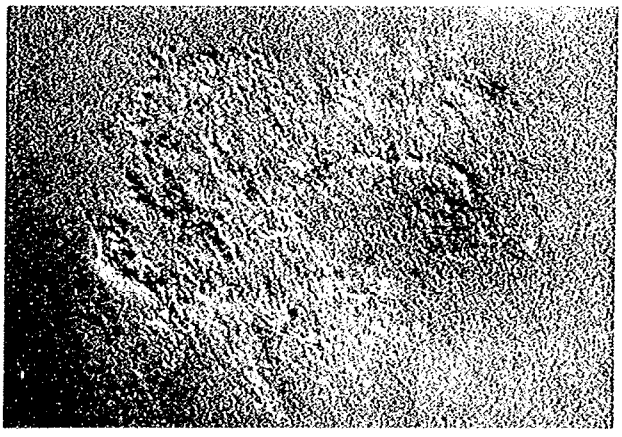
写真－ 6.106
Spirostomum teres の光学顕微鏡写真。
形態的に健全な細胞を示す。
（× 260）



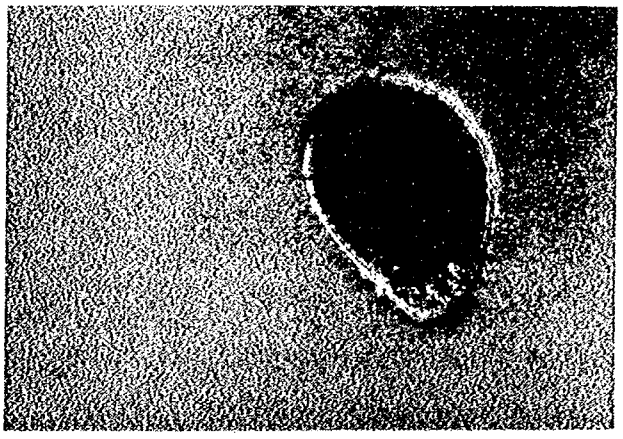
写真－6.107
Spirostomum teres の光学顕微鏡写真。
1.5mM 2-クロロフェノール処理開始より30分後の写真である。破裂して，死亡した細胞の残骸を示す。（×260）



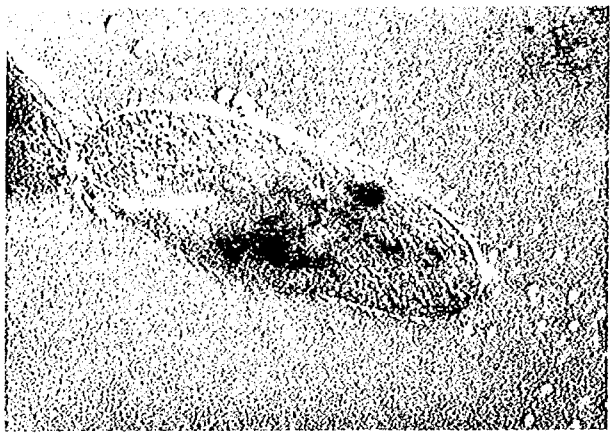
写真－6.108
Spirostomum teres の光学顕微鏡写真。
1.0mM 2-クロロフェノール処理開始より4時間後の写真である。細胞は異常な収縮を示し，球形化を始める。
（×260）



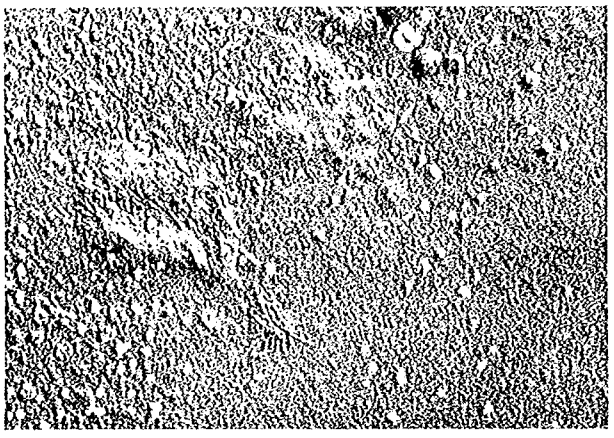
写真－6.109
Spirostomum teres の光学顕微鏡写真。
0.10mM 2,4－ジクロロフェノール処理開始後30分の写真で，破裂し死亡した細胞の残骸を示す。（×260）



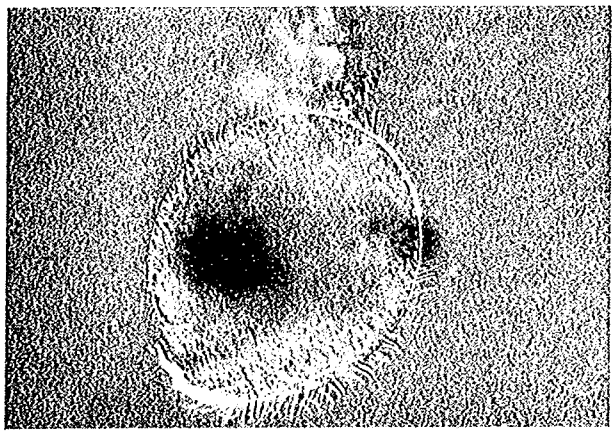
写真－6.110
Spirostomum teres の光学顕微鏡写真。
0.10mM 2,4－ジクロロフェノール処理開始より4時間後の写真で，細胞は球形化し，回転運動をしている。
（×260）



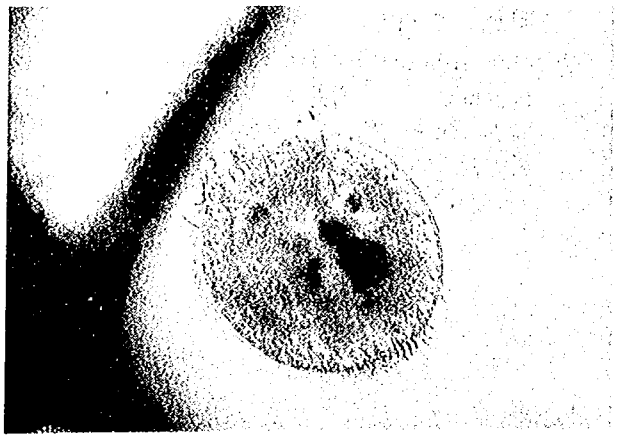
写真－ 6.111
Urostyla gigas の光学顕微鏡写真。
形態的に健全な細胞を示す。
（× 260 ）



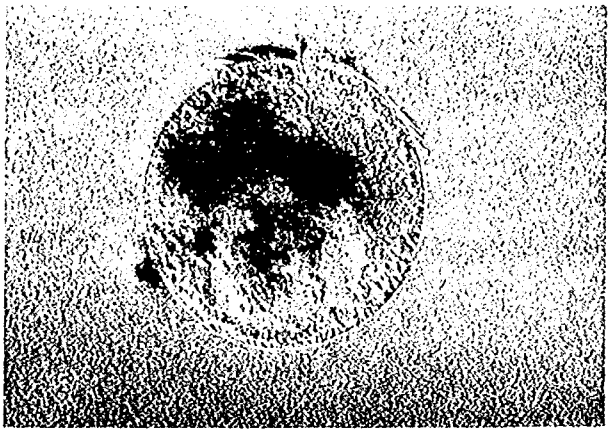
写真－ 6.112
Urostyla gigas の光学顕微鏡写真。2.0 mM
2-クロロフェノール処理開始より30分後の写真である。破裂して，死亡した細胞の残骸を示す。
（× 260 ）



写真－ 6.113
Urostyla gigas の光学顕微鏡写真。1.0 mM
2-クロロフェノール処理開始より 4 時間後の写真である。細胞は球形化し，収縮胞の膨張が観察される。尚，繊毛運動は完全に停止している。
（× 260 ）



写真－ 6.114
Urostyla gigas の光学顕微鏡写真。0.4 mM
2,4－ジクロロフェノール処理開始後30分の写真で，収縮胞が膨張し球形化した細胞の外部形態を示す。
（× 260 ）



写真－ 6.115

Urostyla gigas の光学顕微鏡写真。0.3 mM 2,4－ジクロロフェノール処理開始より 4 時間後の写真である。完全に球形化し，顕著な収縮胞の膨張が観察される。
（× 260）

7. 下水中の全有機ハロゲン化合物の調査

7.1 目 的

近年，水道水中のトリハロメタンや地下水中のトリクロロエチレン等，環境中における有機塩素化合物の汚染が問題となっている。一般にこのような問題が生じた場合，下水処理水中，あるいは下水汚泥中のそれらの濃度についても関心の払われるのが通例であり，下水道分野においてはこれらの化学物質の挙動について調査が進められている。しかし，下水中に存在する化学物質は多種多様であり，前述した化学物質はその極く一部にすぎない。下水中に存在する化学物質すべてを同定し，これらについての挙動を調査することは不可能である。そこで本調査では，化学物質の中でも比較的毒性が強い有機ハロゲン化合物の調査を実施した。

7.2 調査方法

1）調査対象とした処理場

一般生活排水と一部工場排水を受け入れている流域下水場のA，B処理場，団地生活排水を受け入れている公共下水道のC処理場について調査を行った。表－7.1に各処理場の概要を示す。

表－7.1 処理場概要

流域下水道 A処理場	処理水量 処理方法 排除方式	23,000 ㎥／日 標準活性汚泥法 分流式，一部合流式
流域下水道 B処理場	処理水量 処理方法 排除方式	65,000 ㎥／日 標準活性汚泥法 分流式
公共下水道 C処理場	処理水量 処理方法 排除方式	5,500 ㎥／日 標準活性汚泥法 分流式

2）試料の採取

各処理場の流入水，二次処理水を人力又は自動採水器により24時間にわたり1時間から3時間間隔で採取する。これらを混合し1日のコンポジット試料を調製し，有機ハロゲン分析用試料とする。

3）分析方法

各処理場で採取し混合したコンポジット試料を東洋ろ紙5種Cでろ過する。このろ液についてTOX計（三菱化成 TOX－10型）を用い TOX，POX を測定する。また，TOX－POX＝NPOX とする。

TOX：Total Organic Halogen

POX：Purgeable Organic Halogen

NPOX：Non Purgeable Organic Halogen

本装置の測定原理は，①有機ハロゲン化合物を酸素気流中で燃焼させ，ハロゲン化水素に酸化する，②このハロゲン化水素を滴定セルに導き，電離させ電量的に発生させた銀イオンによりハロゲンイオンを滴定する，であるため燃焼しハロゲン化水素を発生する化合物はすべて測定される。ま

た，本装置の結果の表示は塩素（Cℓ）換算で行う。

7.3　調査結果

前述した3処理場において延べ7回調査を実施した。その平均水質を表－7.2に示した。SS，BOD，COD，D－TOCの除去率の平均は，それぞれ95％，96％，87％，72％であり処理は良好であることがわかる。しかし，本調査で注目している有機ハロゲン化合物の不揮発性成分のNPOXは，流入水の平均値が89 μg/ℓで，処理水の平均値が66 μg/ℓであった。また，これらの除去率は，処理水の方が高い値を示したケースが2回あり，一番高い除去率を示したケースでも53であった。これらの除去率の平均は23％と非常に低い値であった。また，揮発性成分のPOXは，流入水から検出されないケースもあったがその平均値は9 μg Cℓ/ℓで処理水の平均値は1 μg Cℓ/ℓであった。除去率の平均値は89％であり，NPOXに比べると非常に高い値である。これらのことから同じ有機ハロゲン化合物であっても通常の下水処理において不揮発性成分の除去は困難であるが，揮発性成分は十分除去できることが示唆された。

表－7.2　水質分析結果

n ＝ 7

	pH	SS (mg/ℓ)	BOD (mg/ℓ)	COD (mg/ℓ)	D－TOC (mg/ℓ)	TOX (μg/ℓ)	NPOX (μg/ℓ)	POX (μg/ℓ)
流　入　水	6.9～7.9	99 (52～165)	142 (77～199)	85.3 (46.8～140)	27 (20～39)	98 (68～123)	89 (60～123)	9 (0～32)
二次処理水	6.7～7.9	6 (1.0～7.8)	5.7 (0.9～14)	10.3 (6.8～13.5)	7 (6～9)	67 (39～117)	66 (37～117)	1 (0～2)

8. GC－MSによる下水中微量化学物質の検索

8.1 目 的

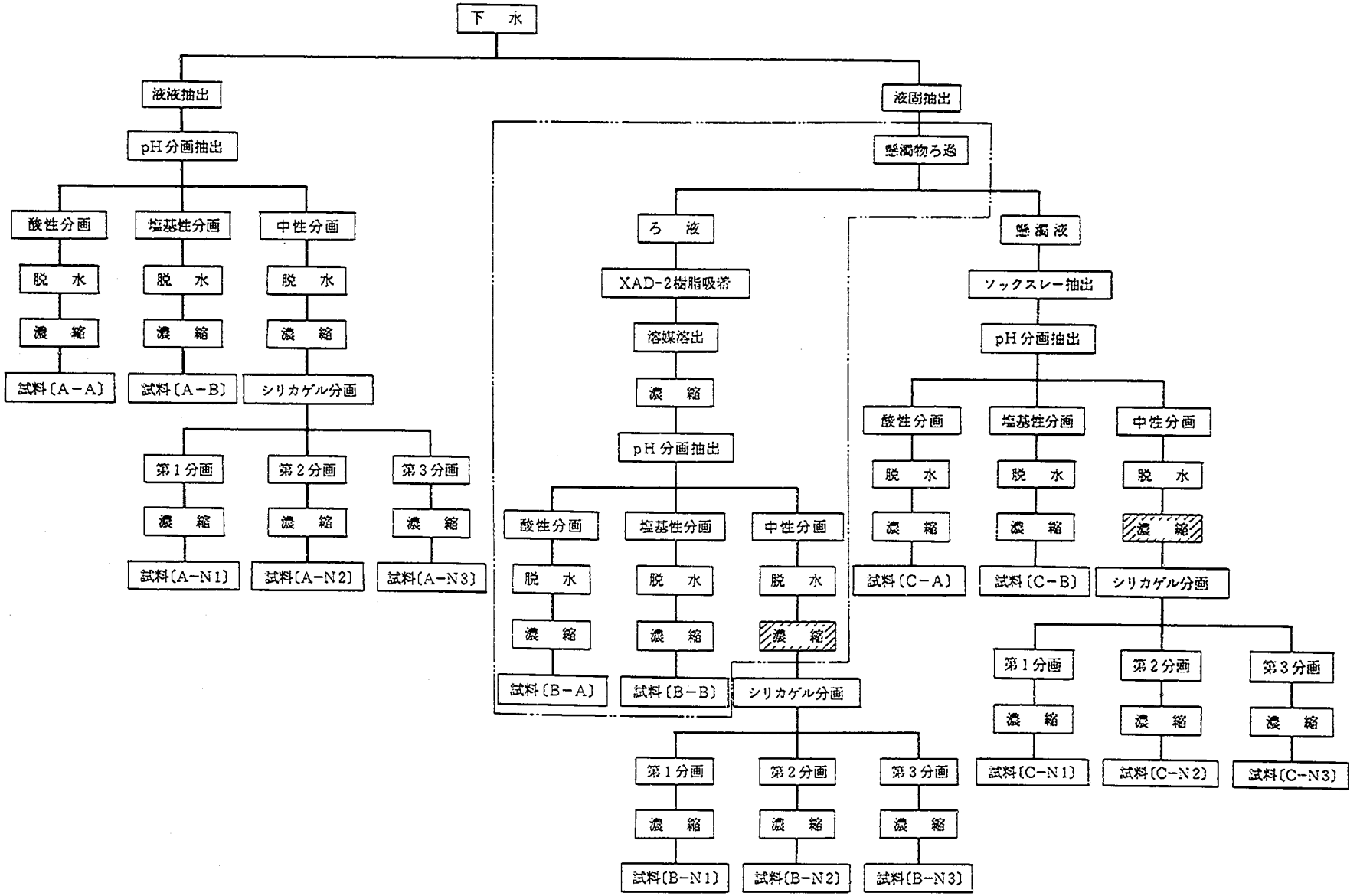
下水中に含まれる微量化学物質の検索を，ガスクロマトグラフー質量スペクトル装置（GC－MS）を用いて行う場合の，試料の前処理について検討を行い問題点を明らかにすることを目的とする。

8.2 検討方法

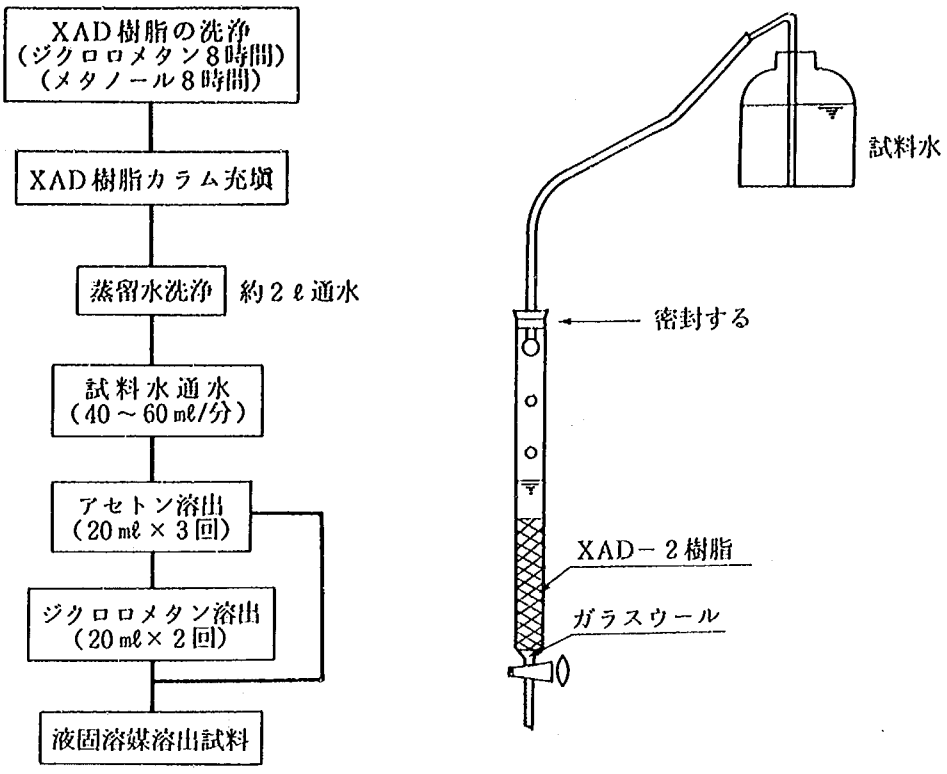
前処理方法は「GC/MS を用いた環境中の化学物質検索マニュアル」[6] の水質の難揮発性物質の分析方法を参考にした。検討を行った前処理方法のフローを図－8.1 に示す。また，フロー中の「液固抽出」，「pH 分画抽出」の詳細フローを図－8.2 及び図－8.3 に示す。

検討試料は流入下水に 2,5 －ジクロロフェノール，2－クロロフェノール，2,4－ジクロロフェノールの 3 物質を各々約 1 mg/ℓ 添加したものを用いた。前処理量は，操作上から液－液抽出は 1 ℓ，液－固抽出は 2 ℓ とした。また，懸濁物質は液－固抽出試料のろ過時の GF/C ろ紙を約 5 ㎜角に裁断し，ソックスレー抽出器によって 12 時間抽出を行った。

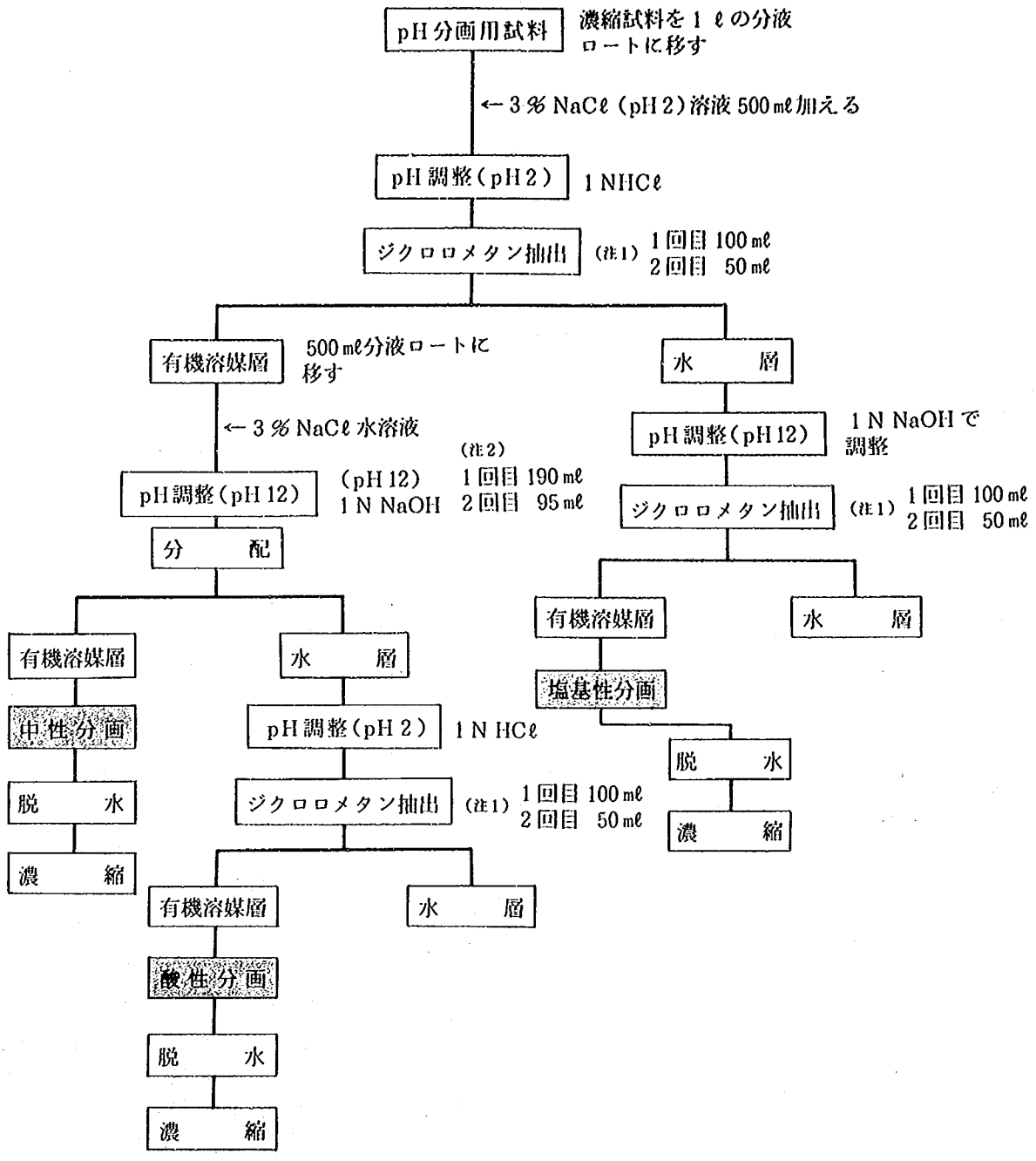
前処理後の濃縮液は，ガスクロマトグラフ（FID）により抽出物質の分離条件を確認した上で GC－MS で分析した。



図－8.1　試料の濃縮操作検討フロー



図－8.2　液固抽出樹脂吸着操作フロー



(注1) ジクロロメタン抽出は，水層に対して体積比で10対2の液量のジクロロメタンで抽出を行い，分液後，体積比で10対1の液量のジクロロメタンで再抽出を行い，有機溶媒層を合する。

(注2) 分配操作は，有機溶媒層と同量のNaCℓ水溶液を用いて行い，分液後，1/2液量のNaCℓ水溶液を用いて再分配を行う。

図－8.3　pH分画抽出操作フロー

8.3 検討結果

検討結果を表－8.1にまとめた。

試料の前処理量としては，検討した1～2 ℓ（2000倍濃縮）ではFIDによる分離ピーク数に比べてGC－MSでのピーク数が極端に少なく，感度の上からは，少なくとも10～20 ℓ（10000～20000倍濃縮）程度の処理量が必要である。操作性の観点からは液－液抽出は，初期抽出時におけるエマルジョンがひどく分析誤差が大きいため，懸濁物除去後の液－固抽出による抽出操作が前処理方法として優れていると思われる。

また，pH分画における各分画では，抽出される物質数からは，中性分画試料が最も多くの物質を含んでおり，エステル，炭化水素系の物質が同定されている。酸性分画は物質数は少ないがフェノール系有機ハロゲン物質が含まれる。塩基性分画は，アミン系の物質が抽出される。

懸濁物質については，ソックスレー抽出時にどの程度物質の回収が行われているかがわからず，ろ

表－8.1　前処理方法検討結果

前処理法＼検討評価			操作性			GC－MS		摘要
			最大処理量	妨害，抽出率	再現性	物質数	感度	
液－液抽出		酸性分画	1 ℓ	×		△	△	液－液抽出時エマルジョンが多く，抽出液中の水分含量が多くなり，各分画の抽出率が悪い。最大処理量が1 ℓと少なく，感度に問題有。
		塩基性分画		×		×	×	
		中性分画		×		○	△	
		シリカゲル第1分画		×		(△)	(△)	
		シリカゲル第2分画		×		(△)	(△)	
		シリカゲル第3分画		×		(△)	(△)	
液－固抽出	溶解物質	酸性分画	20 ℓ	○		△	○	抽出時のエマルジョンは殆んどない。樹脂吸着時懸濁物が妨害となり，あらかじめろ過操作が必要となる。溶媒抽出時の液量が処理量に影響されない為，大量処理に向く。
		塩基性分画		○		×	×	
		中性分画		○		○	○	
		シリカゲル第1分画		△		(○)	(△)	
		シリカゲル第2分画		△		(△)	(△)	
		シリカゲル第3分画		△		(△)	(△)	
	懸濁物質	酸性分画	1 ℓ	△				抽出時のエマルジョンは殆んどない。ろ紙のソックスレー抽出時の抽出率が不明で，あまり多くのろ紙（ろ紙1枚で250 mℓ程度しか処理できない）は処理できない。
		塩基性分画		△				
		中性分画		△				
		シリカゲル第1分画		△				
		シリカゲル第2分画		△				
		シリカゲル第3分画		△				

＊空欄については，さらに検討を要し，現時点では判定できない。

＊＊GC－MSの判定の（　）は，GCによる予備分析による。

＊＊＊○：良い，×：悪い，△：どちらともいえない。

紙量と抽出時間，GC－MS分析の感度と前処理量などに今後の検討を要する。

中性分画のシリカゲル分画については，分画前の試料でGC－MS分析において分離同定が可能であり省略した。

以上まとめると次のようになる。

(1) 液－液抽出による方法と液－固抽出による方法を比較した場合，液－液抽出は最初の抽出段階で操作性に問題があり下水には適用しにくい。この問題とは下水と有機溶媒（ジクロロメタン，エーテル等）を分液ロートに入れ，振とうした時エマルジョンを起こし，長時間放置しても消えず，水と有機溶媒の分離が非常に難しいことである。これに比べ，液－固抽出では下水を直接通水すると閉塞等の問題があり通水前にろ過する必要があるが，操作そのものは簡単であり下水の前処理には十分適用できる。

(2) 液－固抽出のろ液については，酸性分画，塩基性分画，中性分画とも妨害物質も少なく下水の前処理に適用できる。

(3) 液－固抽出の懸濁物質については，ソックスレー抽出での抽出率が不明であること，ろ紙を多量に処理できないことなどがあり，更に検討を必要とする。

9. おわりに

化学物質による環境汚染問題が顕在化している中で，下水処理施設におけるこれらの挙動又はこれらの物質による処理への影響等について関心が持たれているところである。

しかし，下水処理施設における化学物質の挙動あるいはその影響については，調査自体がまだ不十分であり不明な点が多い。

本報告書では，化学物質の中でも発ガン性，変異原性等があるとの報告がある有機塩素化合物について，種々の実験を行いその結果をまとめたものである。今後の調査に役立てば幸いである。

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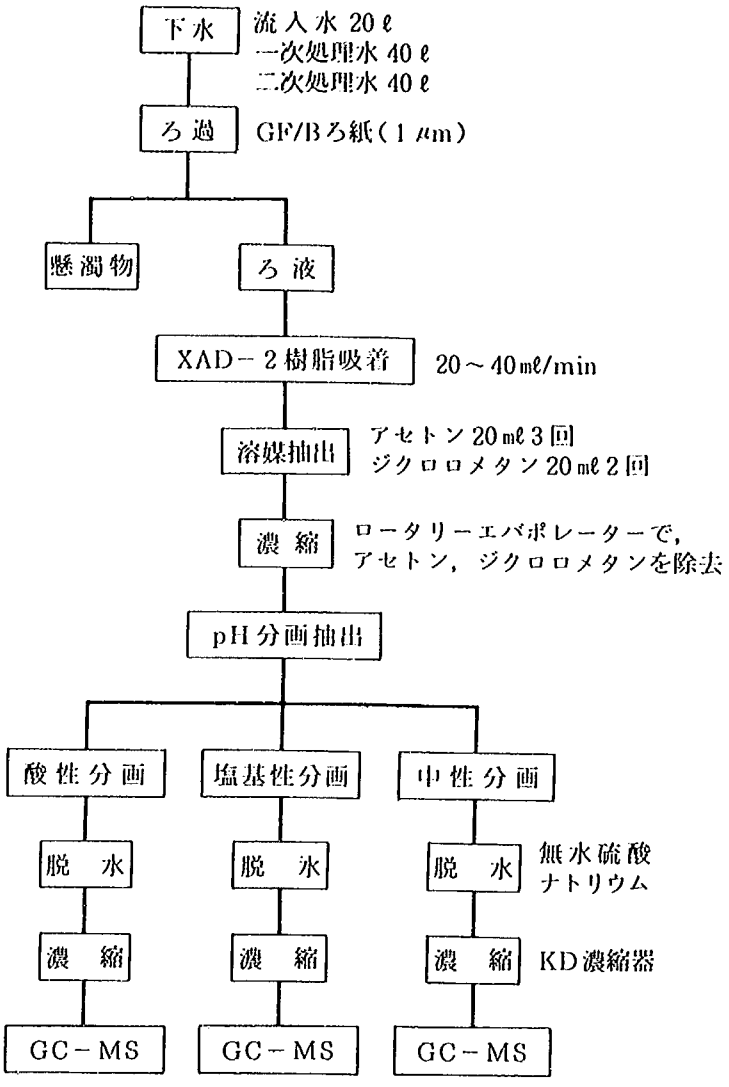
資　料

下水中の微量化学物質検索結果

Ⅰ　検索方法

Ⅰ－1　試料の前処理

本調査では8章の検討結果を基に図Ⅰ－1に示す前処理を行いGC－MS用試料を作製した。



図Ⅰ－1　前処理フローシート

Ⅰ－2　試料の名称

試料の名称は下記の通りとする。

Z 1 9001 A
- A：分画種（酸性：A，塩基性：B，中性：N）
- 9001：通し番号
- 1：下水の種類（流入水：1，一次処理水：2，二次処理水：3）
- Z：処理場名（アルファベット1文字）

Ⅰ－3　GC－MSの条件

使用機器　　GC　HP 3850

MS　HP 5970

分析条件

Column	DB-5 (0.25μ m) 60m× 0.262mmφ
Column Temp.	80～ 230 ℃ (4℃ /min)
Carrier Gas	He (99.9999%) 0.9ml/min
Inj. Temp.	250 ℃
Electron Energy	70 ev
Mass Range	35～ 350 m/z
Sample Size	0.5 μ l

検索ライブラリー　　NBS ライブラリー

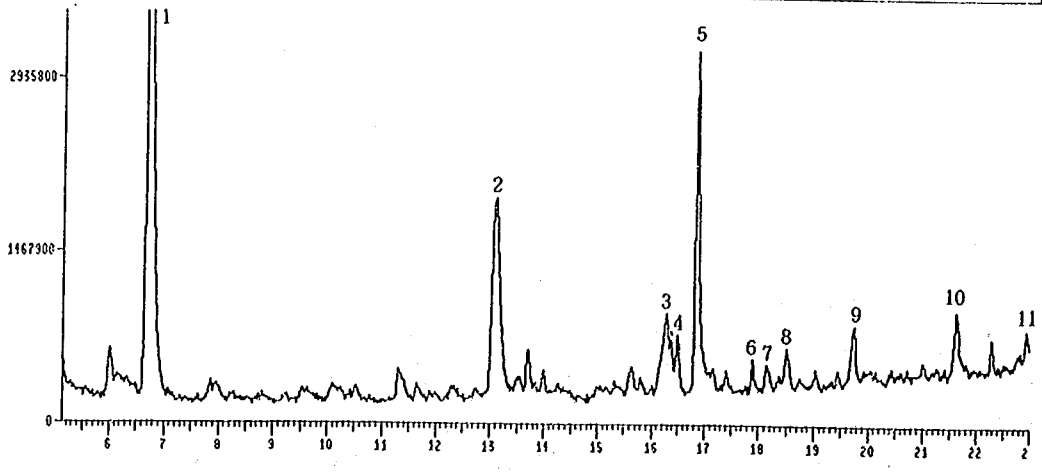
Ⅰ－4　検索結果の見方

本調査により得られるデータは，検索結果一覧表，TIC（トータルイオンクロマトグラム），マススペクトルの３つがある。検索結果一覧表の中で化合物名があるものは，得られたマススペクトルデー

検索結果一覧表（例）

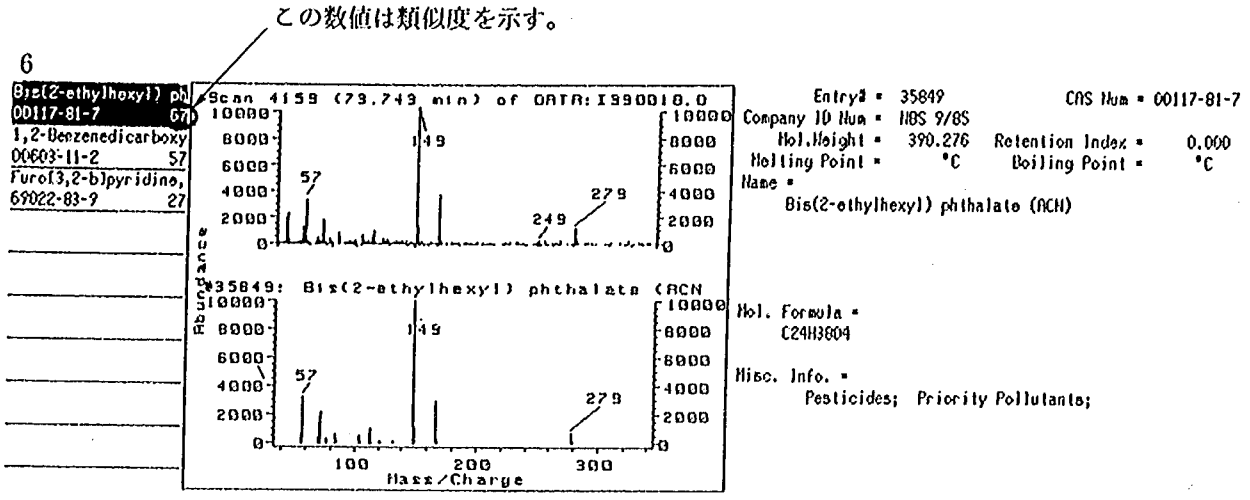
H19001A

No	Name
1	unknown
2	Phenol, 3-methyl-
3	Ethanol, 2-(2-butoxyethoxy)-
4	Phthalic anhydride
5	unknown
6	unknown
7	Benzoic acid, 2-hydroxy-, hydrazide
8	Dodecanamide, N,N-bis(2-hydroxyethyl)-
9	unknown
10	unknown
11	unknown
12	unknown
13	Caffeine
14	1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester
15	Bis(2-ethylhexyl) phthalate



TIC（例）

検索結果（マススペクトル）



タとNBSライブラリーのマススペクトルデータを比較し類似度が高いあるいは，似かよったマススペクトルのものである。

・スペクトル比較の計算方法

ライブラリスペクトルに対して未知スペクトルを比較する計算方法は，類似指標（similarity index）方程式に基づいている。類似指標（S. I.）は，次の様に定義される。

$$S.I. = \frac{\sum_{m=1}^{1000} Am \cdot am}{\left(\sum_{m=1}^{1000} (Am)^2 \cdot \sum_{m=1}^{1000} (am)^2\right)^{1/2}}$$

Am：未知スペクトルのマス ＝ mにおけるイオンアバンダンス

am：ライブラリスペクトルのマス ＝ mにおけるイオンアバンダンス

この式の分子は，同じマスに対する未知のアバンダンスとライブラリのアバンダンスの積の合計である。例えば，その10本の未知ピークの最初のピークがマス＝43であれば，その10本のライブラリスペクトルの中を探すことになる。もし，m＝43がライブラリスペクトルにあれば，これらのアバンダンスの積をとる。しかし，ライブラリスペクトルに43 amuのピークがなければ，この項はゼロとなる。

次に，この式で2つの極端な例，スペクトルの完全一致と完全不一致について説明する。完全な一致については，全く同じスペクトルの比較を考えます。その場合，Am＝amなので分子はΣAm^2となる。又，分母は$(\Sigma Am^2 \cdot \Sigma Am^2)^{1/2}$つまり，$\Sigma Am^2$となる。その結果，類似指標は1.00に等しくなる。次に，完全な不一致について考えると，未知スペクトルはライブラリスペクトルに共通するピークを1つももたないことになる。つまり各AmとamのAmの積はゼロに等しくなる。又，分母もゼロになりその結果，類似指標は0.00に等しくなる。このように類似指標の範囲は，完全一致の1.00から完全不一致の0.00までとなる。

Ⅱ　検索試料

H，I，J処理場の流入水，一次処理水，二次処理水について調査を実施した。

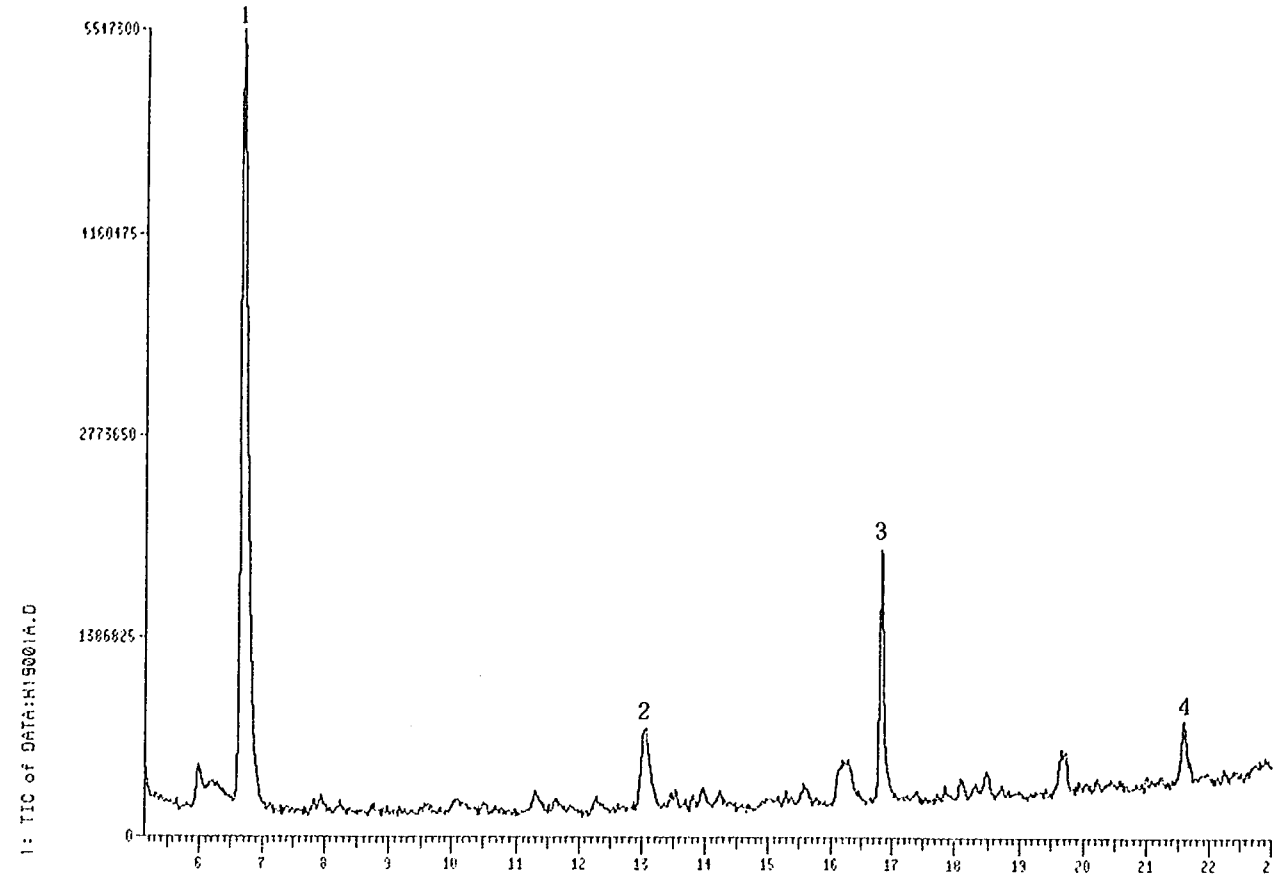
	pH分画	H処理場	I処理場	J処理場
流入水	酸性	H 1 9001 A	I 1 9001 A	J 1 9001 A
	塩基性	H 1 9001 B	I 1 9001 B	J 1 9001 B
	中性	H 1 9001 N	I 1 9001 N	J 1 9001 N
一次処理水	酸性	H 2 9001 A	I 2 9001 A	J 2 9001 A
	塩基性	H 2 9001 B	I 2 9001 B	J 2 9001 B
	中性	H 2 9001 N	I 2 9001 N	J 2 9001 N
二次処理水	酸性	H 3 9001 A	I 3 9001 A	J 3 9001 A
	塩基性	H 3 9001 B	I 3 9001 B	J 3 9001 B
	中性	H 3 9001 N	I 3 9001 N	J 3 9001 N

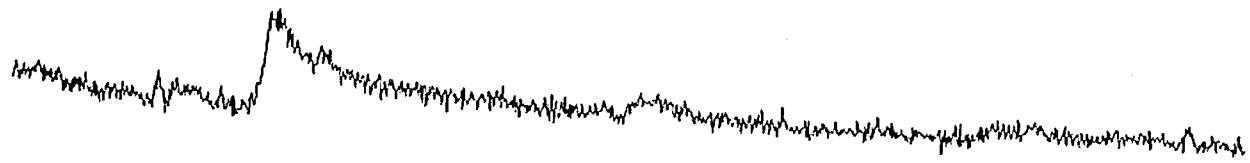
Ⅲ － 1

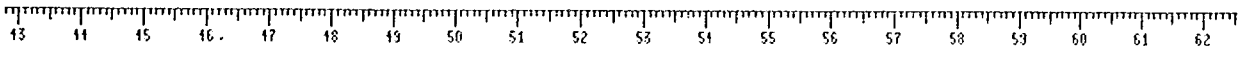
H 処 理 場　流 入 水　酸 性 分 画

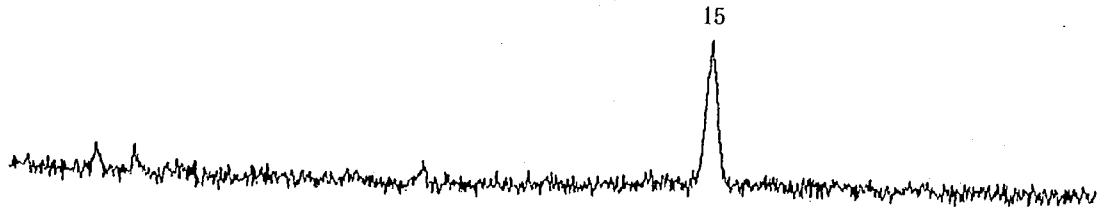
H19001A

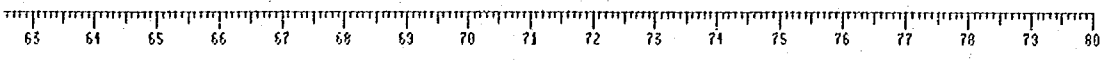
No	N a m e
1	unknown
2	Phenol, 3-methyl-
3	Ethanol, 2-(2-butoxyethoxy)-
4	Phthalic anhydride
5	unknown
6	unknown
7	Benzoic acid, 2-hydroxy-, hydrazide
8	Dodecanamide, N,N-bis(2-hydroxyethyl)-
9	unknown
10	unknown
11	unknown
12	unknown
13	Caffeine
14	1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester
15	Bis(2-ethylhexyl) phthalate


1: TIC of DATA:H190010.D
5547300
4160475
2773650
1386825
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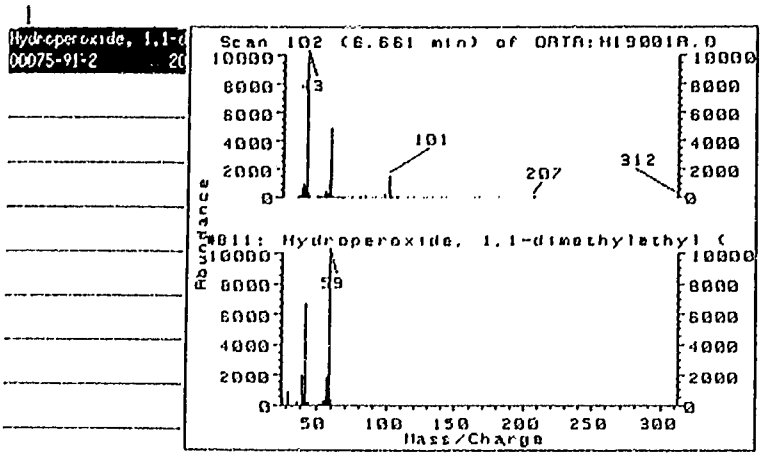






End of plot. Time = 5.13 to 80.0i minutes Chart speed = 1.24 cm/min

1

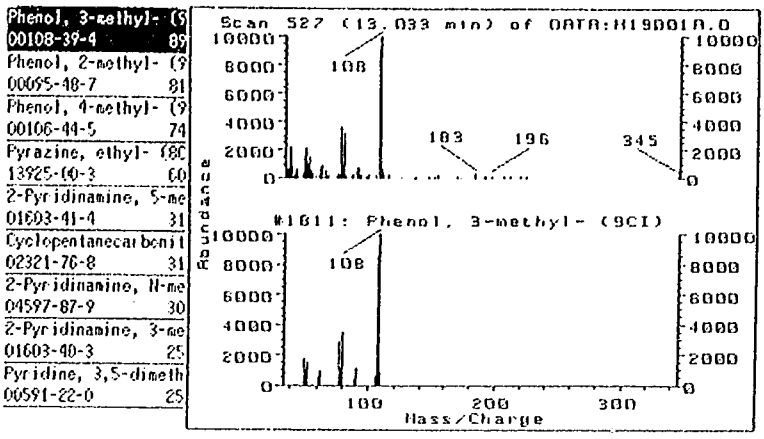


Entry# = 811 CAS Num = 00075-91-2
Company ID Num = NBS 9/85
Mol.Weight = 90.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hydroperoxide, 1,1-dimethylethyl (9CI)

Mol. Formula =
C4H10O2

Misc. Info. =
Pesticides;

2

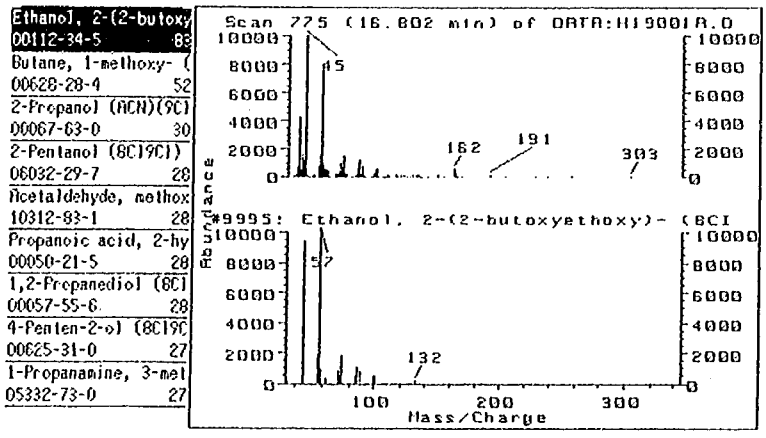


Entry# = 1811 CAS Num = 00108-39-4
Company ID Num = NBS 9/85
Mol.Weight = 108.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 3-methyl- (9CI)

Mol. Formula =
C7H8O

Misc. Info. =
Drugs; Pesticides;

3

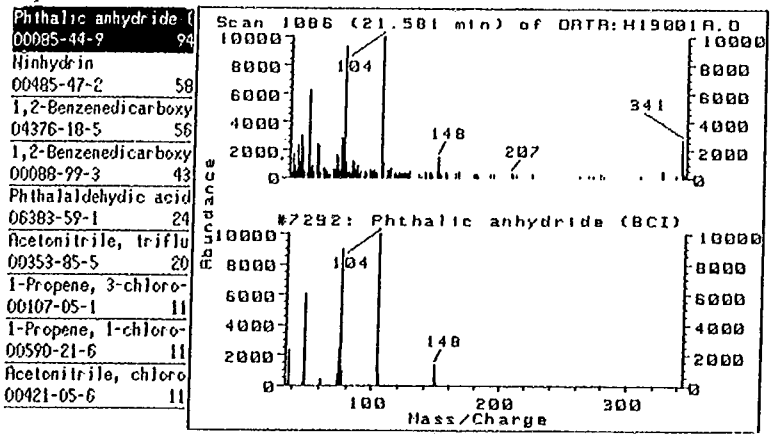


Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

4



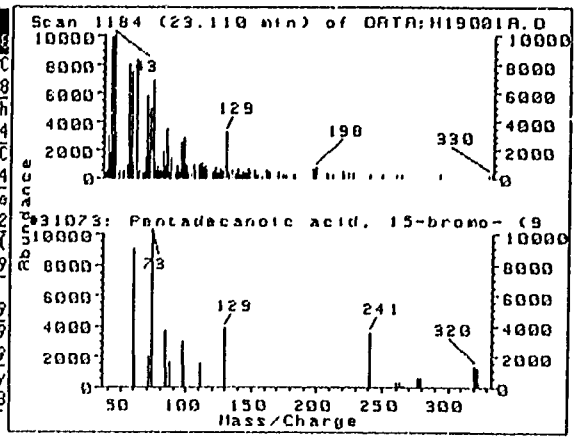
Entry# = 7292 CAS Num = 00085-44-9
Company ID Num = NBS 9/85
Mol.Weight = 148.015 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phthalic anhydride (8CI)

Mol. Formula =
C8H4O3

Misc. Info. =
Carbohydrates; Pesticides;

5

Pentadecanoic acid,	
56523-59-2	68
Decanoic acid (8CI)(9C	
00334-48-5	58
Isoxazolidine, 5-eth	
56728-14-4	44
Octanoic acid (8CI)(9C	
00124-07-2	44
Decanoic acid, silve	
13126-67-5	42
Hexanoic acid (DOT)(	
00142-62-1	39
Butanoic acid (9CI)	
00107-92-6	39
Heptanoic acid (8CI)(	
00111-14-8	39
D-Galactose, 6-deoxy	
03615-37-0	38



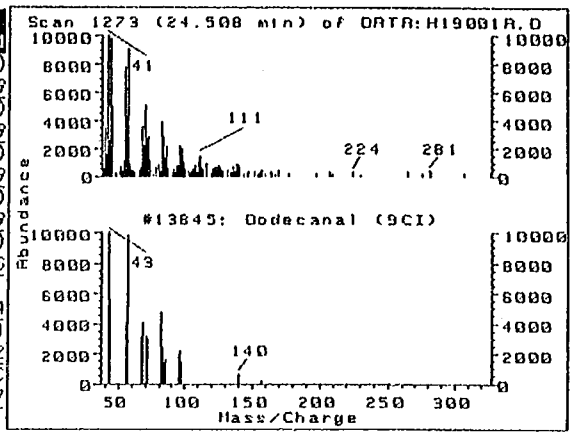
Entry# = 31073 CAS Num = 56523-59-2
Company ID Num = NBS 9/85
Mol.Height = 320.134 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Pentadecanoic acid, 15-bromo- (9CI)

Mol. Formula =
C15H29BrO2

Misc. Info. =

6

Dodecanal (9CI)	
00112-54-9	71
16-Octadecenal (9CI)	
56554-87-1	59
1-Eicosanol (8CI)(9CI)	
00629-96-9	59
10-Octadecenal (9CI)	
56554-92-8	59
12-Octadecenal (9CI)	
56554-91-7	59
17-Octadecenal (9CI)	
56554-86-0	56
Octadecanal (9CI)	
00638-66-4	54
Cyclodecanol (8CI)(9CI	
01502-05-2	52
1,11-Dodecadiene (8C	
05876-87-9	47



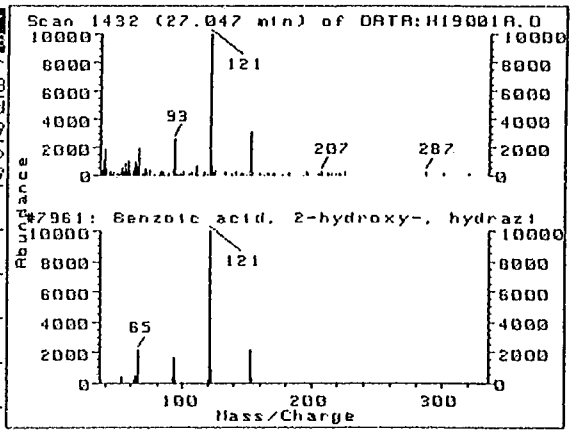
Entry# = 13845 CAS Num = 00112-54-9
Company ID Num = NBS 9/85
Mol.Height = 184.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Dodecanal (9CI)

Mol. Formula =
C12H24O

Misc. Info. =
Fatty acids and Lipids;

7

Benzoic acid, 2-hydr	
00936-02-7	68
Benzoic acid, 4-hydr	
05351-23-5	48
1-Butanone, 1-(4-hyd	
01009-11-6	29
Benzonitrile, 4-fluo	
01194-02-1	29



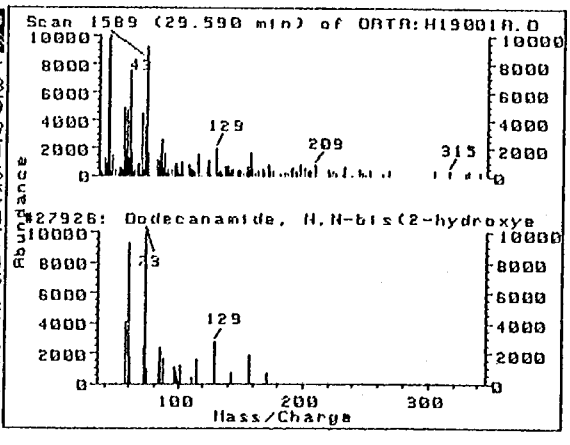
Entry# = 7961 CAS Num = 00936-02-7
Company ID Num = NBS 9/85
Mol.Height = 152.058 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 2-hydroxy-, hydrazide (9CI)

Mol. Formula =
C7H8N2O2

Misc. Info. =

8

Dodecanamide, N,N-bi	
00120-40-1	73
Glycine, N-methyl-N-	
00097-78-9	73
Pentanoic acid (9CI)	
00109-52-4	59
Dodecanoic acid (9CI	
00143-07-7	55
Nonanoic acid (8CI)(9C	
00112-05-0	44
Heptane, 1-(ethenyl)t	
21961-05-7	44
Heptanoic acid (8CI)(	
00111-14-8	43
Isoxazolidine, 5-eth	
56701-02-1	42
Isoxazolidine, 5-eth	
56728-14-4	42



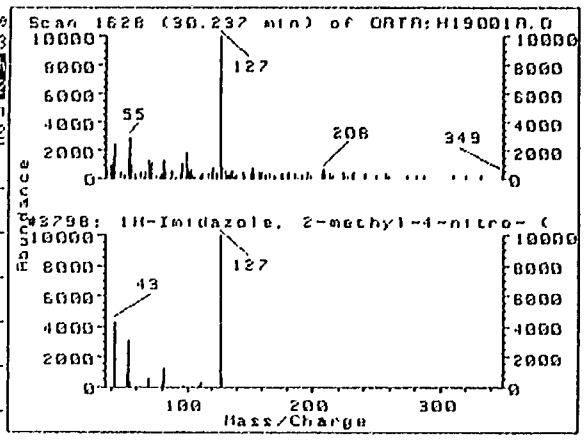
Entry# = 27926 CAS Num = 00120-40-1
Company ID Num = NBS 9/85
Mol.Height = 287.245 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI)(9CI)

Mol. Formula =
C16H33NO3

Misc. Info. =
Pesticides;

9

2(1H)-Pyridinethione	
23003-22-7	43
1H-Imidazole, 2-meth	
00696-23-1	42
1H-Imidazole, 1-meth	
03034-41-1	42



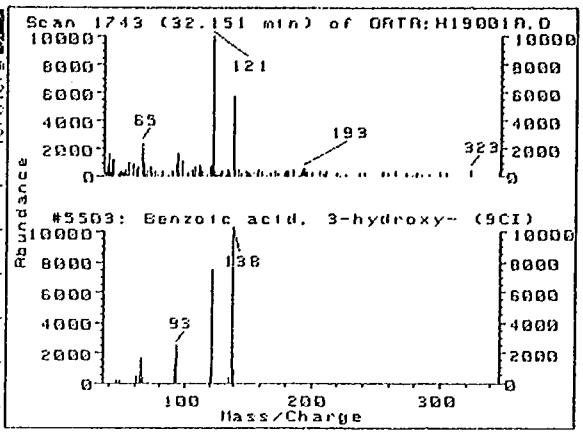
Entry# = 3798 CAS Num = 00696-23-1
Company ID Num = NBS 9/85
Mol.Weight = 127.038 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Imidazole, 2-methyl-4-nitro- (9CI)

Mol. Formula =
C4H5N3O2

Misc. Info. =
Alkaloids;

10

Benzoic acid, 3-hydr	
00099-06-9	25
Pyridine, 2,4,6-trim	
00108-75-8	25
3-Pyridinecarboxylic	
03167-49-5	15



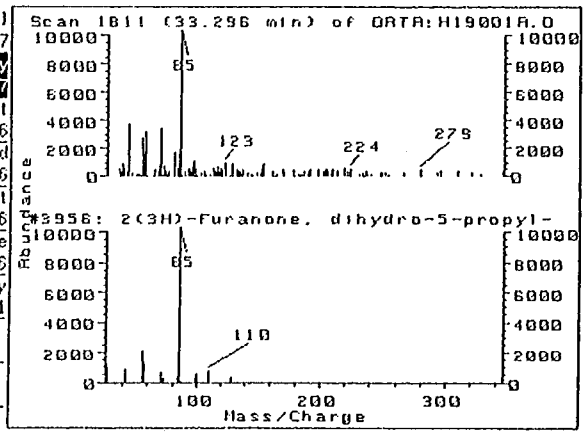
Entry# = 5503 CAS Num = 00099-06-9
Company ID Num = NBS 9/85
Mol.Weight = 138.031 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 3-hydroxy- (9CI)

Mol. Formula =
C7H6O3

Misc. Info. =

11

Ethanone, 1-(3-ethyl	
17257-81-7	37
2(3H)-Furanone, dihy	
00105-21-5	37
Hexane, 2,3,5-trimet	
01069-53-0	36
Butane, 2-iodo-2,3-d	
00594-59-2	36
2(3H)-Furanone, 5-et	
00695-06-7	36
2(3H)-Furanone, 5-he	
00104-67-6	36
2-Heptene, 2-methoxy	
61142-43-6	11



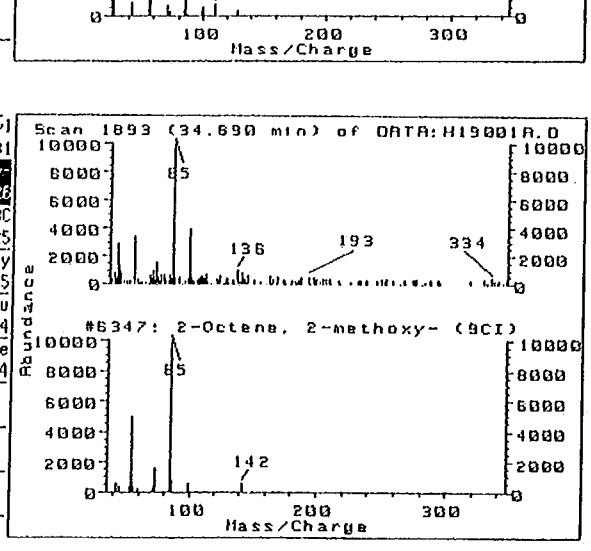
Entry# = 3956 CAS Num = 00105-21-5
Company ID Num = NBS 9/85
Mol.Weight = 128.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(3H)-Furanone, dihydro-5-propyl- (8CI9CI)

Mol. Formula =
C7H12O2

Misc. Info. =

12

Ethanone, 1-(3-butyl	
17257-80-6	31
2-Octene, 2-methoxy-	
61142-42-5	26
Hexane, 3-bromo- (8C	
03377-87-5	25
2(3H)-Furanone, dihy	
15456-69-6	25
2(3H)-Furanone, 5-bu	
00104-50-7	24
2(3H)-Furanone, 5-he	
00104-67-6	24



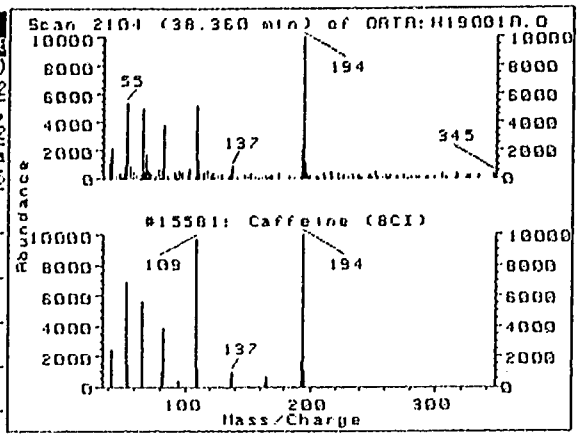
Entry# = 6347 CAS Num = 61142-42-5
Company ID Num = NBS 9/85
Mol.Weight = 142.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Octene, 2-methoxy- (9CI)

Mol. Formula =
C9H18O

Misc. Info. =

13

Caffeine (8CI)	
00058-08-2	68
9-Acridinamine (9CI)	
00060-45-9	52
3(2H)-Benzofuranone,	
04225-35-8	52
3-Cyclohexene-1-buta	
69494-13-9	26



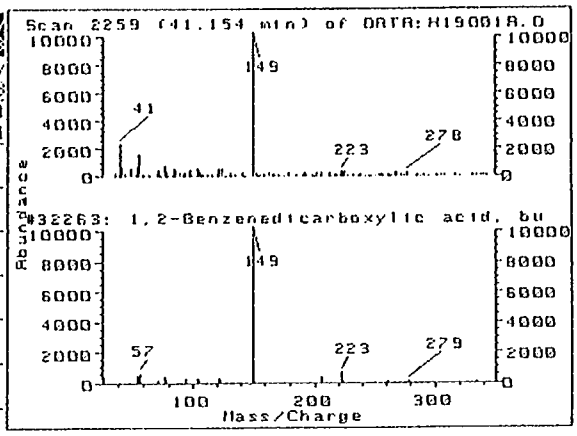
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

14

1,2-Benzenedicarboxy	
00085-69-8	63
1,2-Benzenedicarboxy	
17851-53-5	58
Benzothiazole, 2-met	
00120-75-2	41



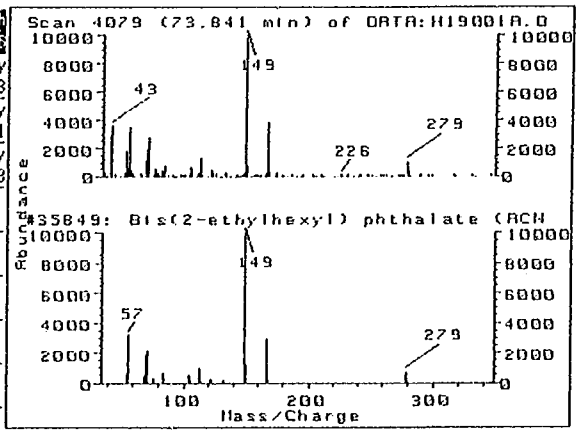
Entry# = 32263 CAS Num = 00085-69-8
Company ID Num = NBS 9/85
Mol.Weight = 334.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl es
ter (9CI)

Mol. Formula =
C20H30O4

Misc. Info. =

15

Bis(2-ethylhexyl) ph	
00117-81-7	76
1,2-Benzenedicarboxy	
00603-11-2	53
1,2-Benzenedicarboxy	
00605-45-8	31
1,2-Benzenedicarboxy	
00131-16-8	28



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

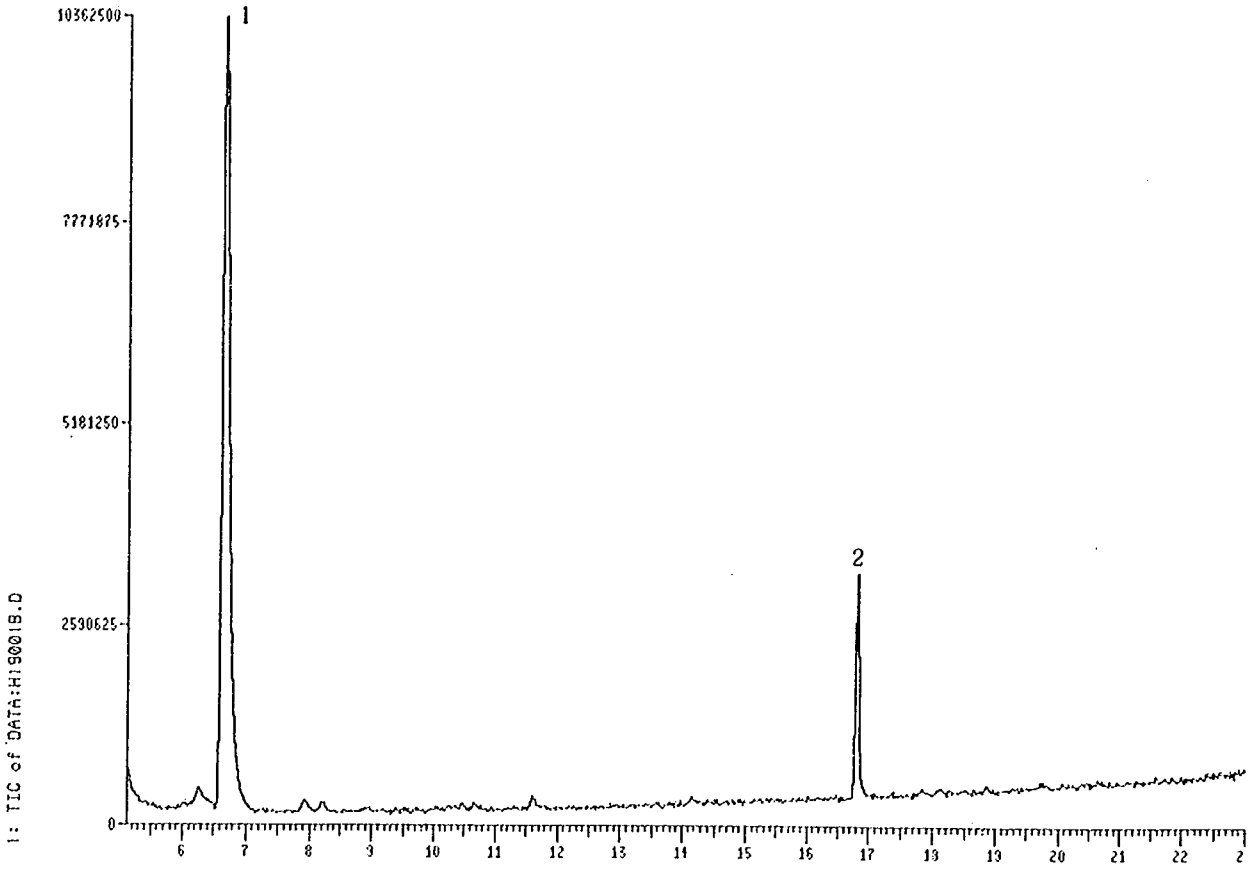
Misc. Info. =
Pesticides; Priority Pollutants;

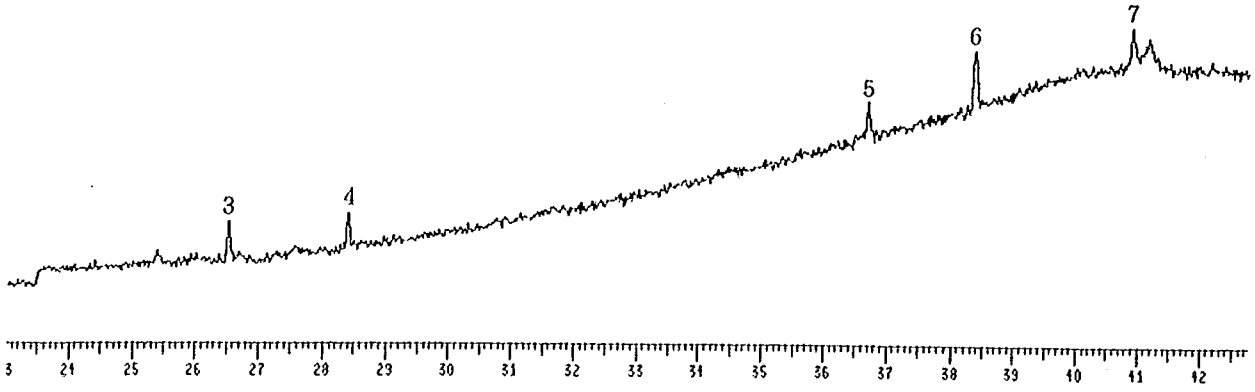
Ⅲ － 2

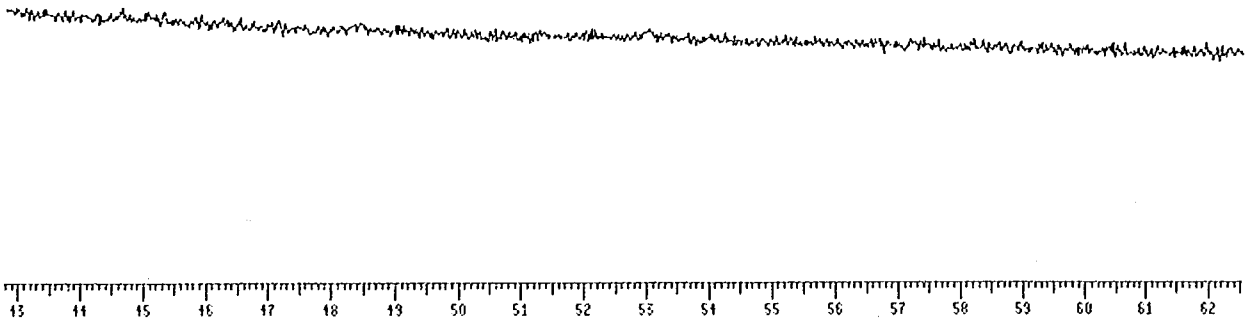
H 処 理 場　流 入 水　塩 基 性 分 画

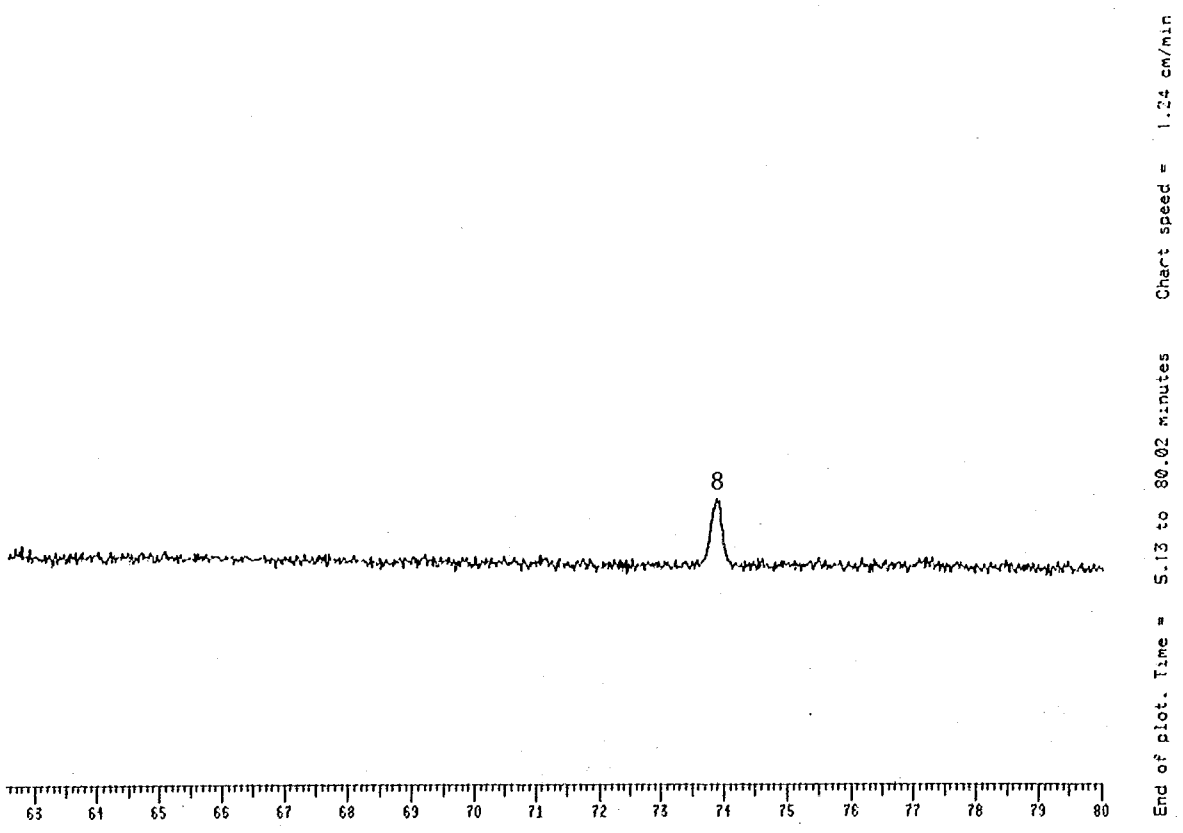
H19001B

No	N a m e
1	unknown
2	Ethanol, 2-(2-butoxyethoxy)-
3	unknown
4	unknown
5	unknown
6	Caffeine
7	unknown
8	1,2-Benzenedicarboxylic acid, 3-nitro-


10362500
7771875
5181250
2530625
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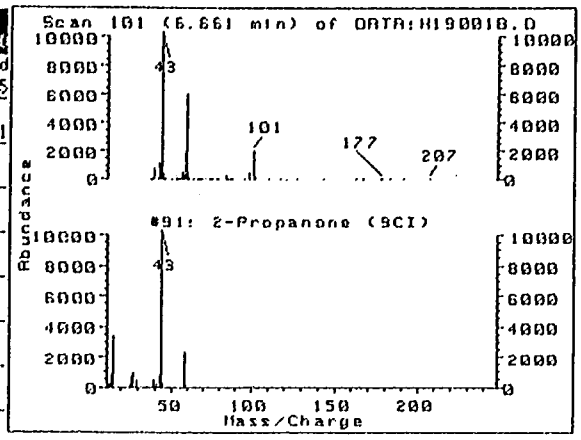

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43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62


8
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.02 minutes Chart speed = 1.24 cm/min

1

2-Propanone (9CI)
00067-64-1 90
Hydroperoxide, 1,1-d
00075-91-2 25
Acetamide (8CI9CI)
00060-35-5 11



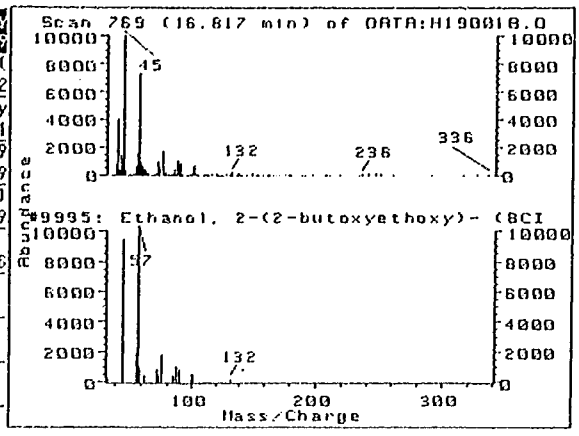
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

2

Ethanol, 2-(2-butoxy
00112-34-5 69
Butane, 1-methoxy- (
00628-28-4 32
Propanoic acid, 2-hy
02155-30-8 31
1,3-Butanediol (8CI9
00107-88-0 29
1,2-Propanediol (8CI
00057-55-6 29
2-Pentanol (8CI9CI)
06032-29-7 26



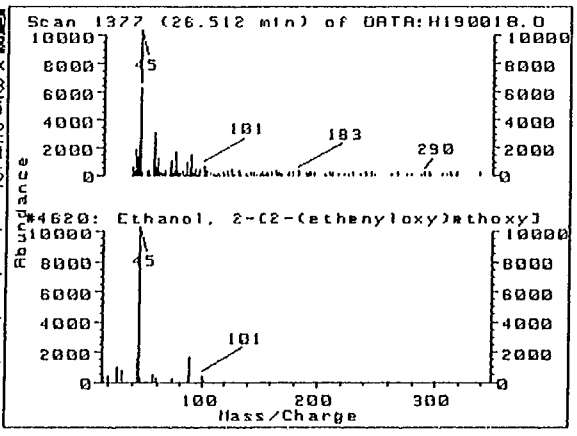
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

3

Ethanol, 2-[2-(ethen
00929-37-3 46
Ethanamine, 2-methox
00109-85-3 43
Ethanol, 2,2'-(oxybi
00112-60-7 42
Ethanol, 2-[2-(2-but
00143-22-6 15



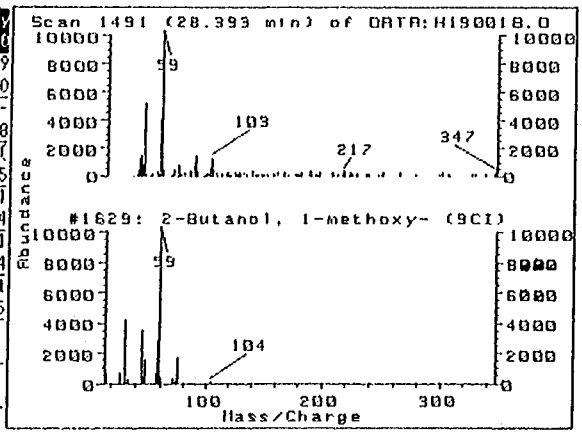
Entry# = 4620 CAS Num = 00929-37-3
Company ID Num = NBS 9/85
Mol.Weight = 132.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-[2-(ethenyloxy)ethoxy]- (9CI)

Mol. Formula =
C6H12O3

Misc. Info. =
Carbohydrates;

4

2-Butanol, 1-methoxy
53778-73-7 60
Silane, hexyl- (8CI9
01072-14-6 30
Butane, 2-methoxy-3-
62016-49-3 28
Ethanol, 2-ethoxy- (
00110-80-5 25
Butanamide, 3-methyl
00541-46-8 24
Oxirane, tetramethyl
05076-20-0 24
Ethene, (2-methoxyet
01663-35-0 15



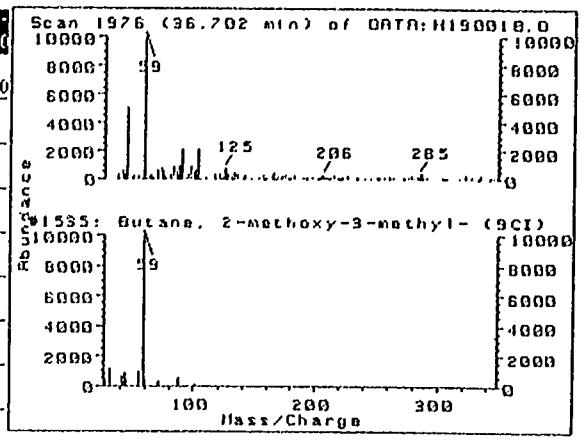
Entry# = 1629 CAS Num = 53778-73-7
Company ID Num = NBS 9/85
Mol.Weight = 104.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanol, 1-methoxy- (9CI)

Mol. Formula =
C5H12O2

Misc. Info. =

5

Butane, 2-methoxy-3-
62016-49-3 30
3-Hexanol (8CI,9CI)
00623-37-0 30



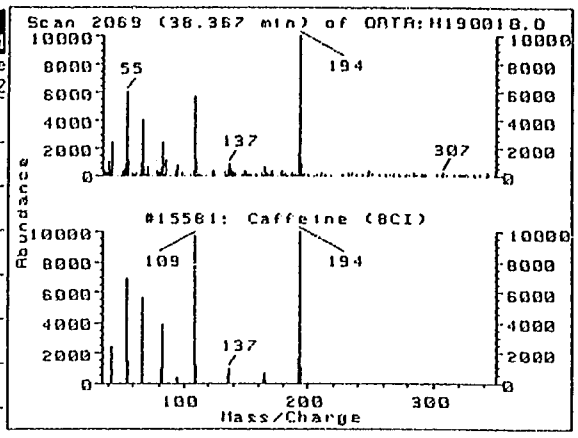
Entry# = 1535 CAS Num = 62016-49-3
Company ID Num = NBS 9/85
Mol.Weight = 102.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 2-methoxy-3-methyl- (9CI)

Mol. Formula =
C6H14O

Misc. Info. =

6

Caffeine (8CI)
00058-08-2 51
Benzenamine, N,N'-me
00622-16-2 42



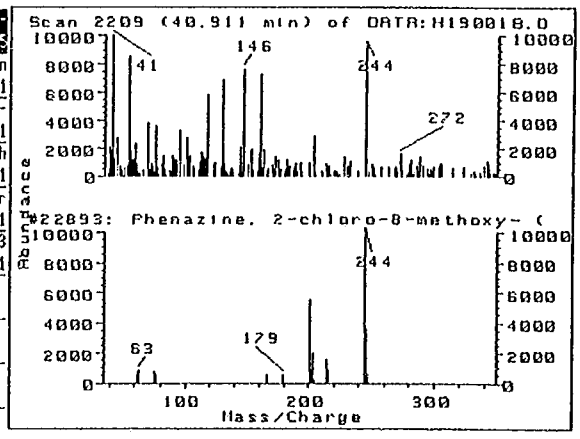
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

7

Phenazine, 2-chloro-
18450-08-3 13
2H-1-Benzopyran-2-on
00581-31-7 11
3H-Pyrazol-3-one, 2-
30707-77-8 11
Benzoic acid, 2-(4-h
21905-66-8 11
Ferrocene, 1-(1-hydr
12269-11-1 11
6H-4,7-Methenofuro[3
00728-61-0 11



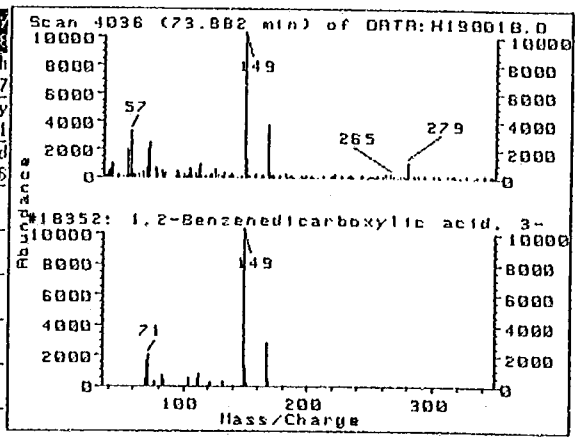
Entry# = 22893 CAS Num = 18450-08-3
Company ID Num = NBS 9/85
Mol.Weight = 244.040 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenazine, 2-chloro-8-methoxy- (8CI,9CI)

Mol. Formula =
C13H9ClN2O

Misc. Info. =

8

1,2-Benzenedicarboxy
00603-11-2 68
Bis(2-ethylhexyl) ph
00117-81-7 67
1,2-Benzenedicarboxy
00085-69-8 31
Carbamodithioic acid
16696-88-1 26



Entry# = 18352 CAS Num = 00603-11-2
Company ID Num = NBS 9/85
Mol.Weight = 211.011 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, 3-nitro- (9CI)

Mol. Formula =
C8H5NO6

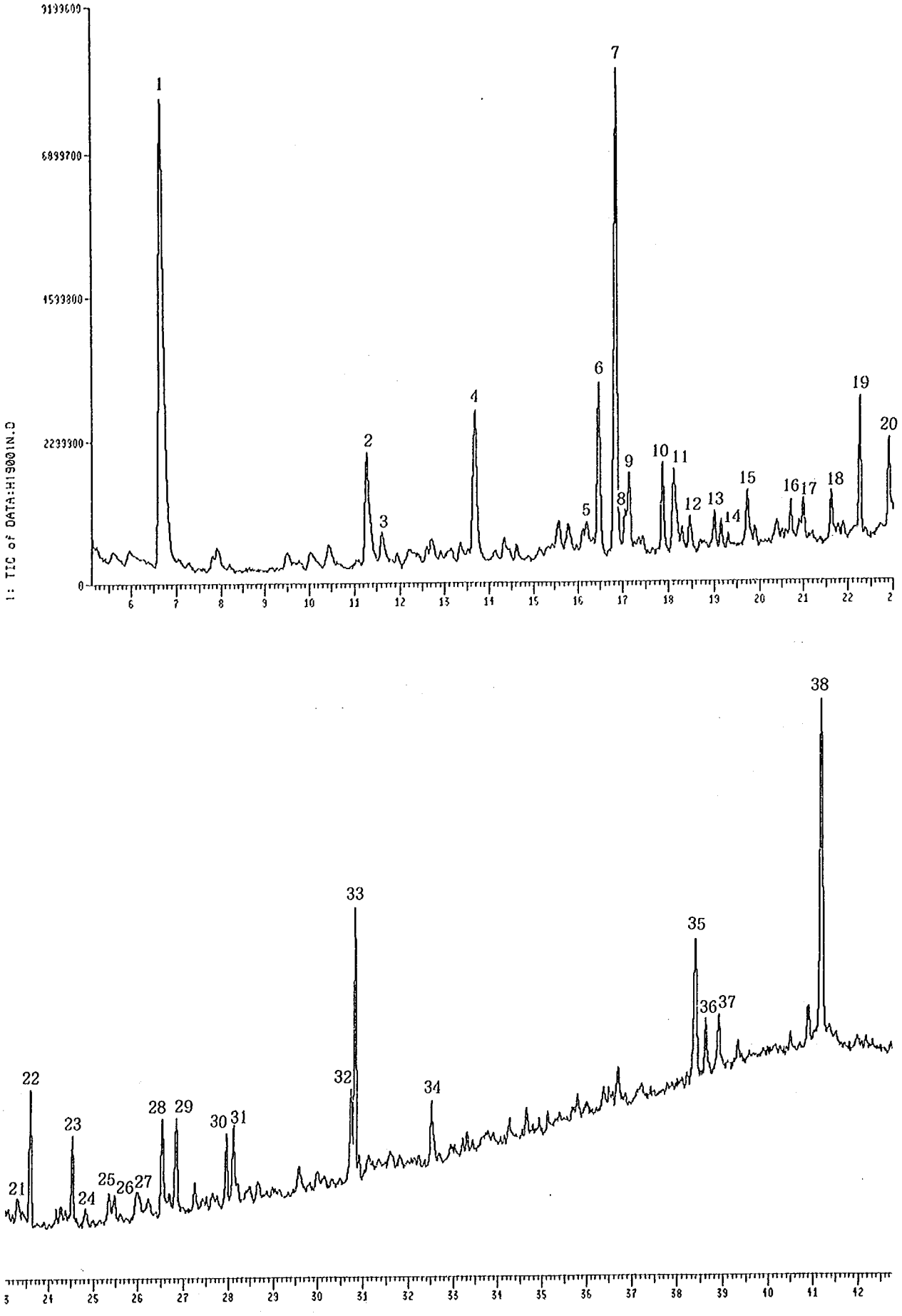
Misc. Info. =

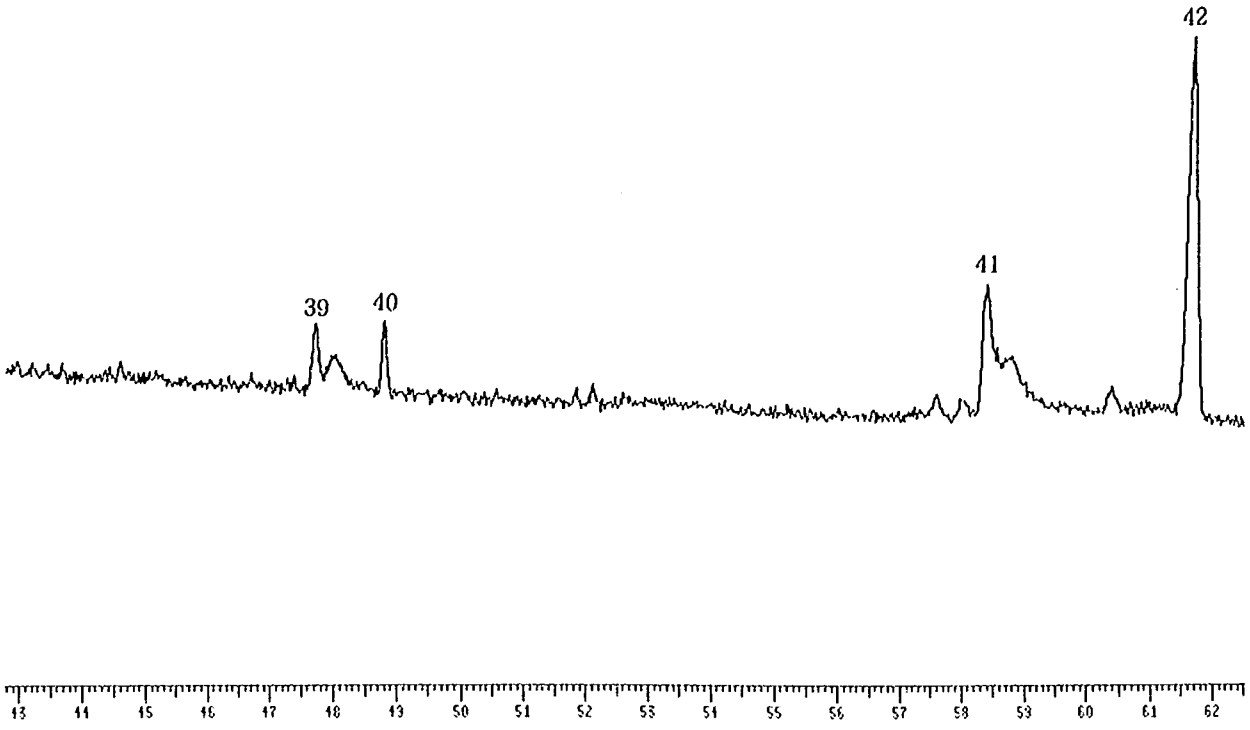
Ⅲ － 3

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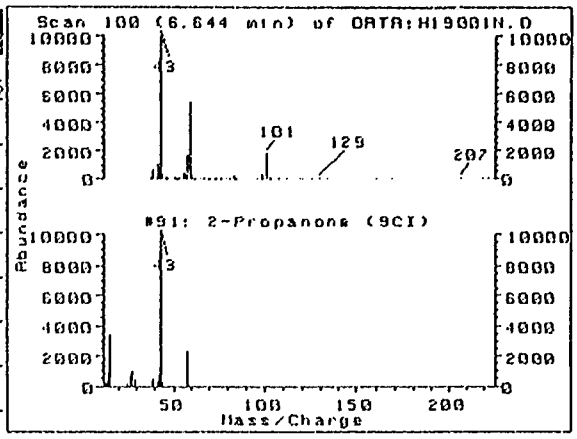
No	N a m e
1	unknown
2	unknown
3	Benzenemethanol
4	unknown
5	Naphthalene, 1,2,3,4-tetrahydro-
6	Cyclohexanol, 1-methyl-4-(1-methylethyl)-
7	Ethanol, 2-(2-butoxyethoxy)-
8	Azulene
9	unknown
10	Butane, 1-(2-methoxyethoxy)-
11	Ethanol, 2-phenoxy-
12	Benzothiazole
13	2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-, (S)-
14	unknown
15	unknown
16	unknown
17	Naphthalene, 1-methyl-
18	1H-Indene, 1-ethylidene-
19	1,2,3-Propanetriol, diacetate
20	unknown
21	Cyclopropane, nonyl-
22	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester
23	unknown
24	Naphthalene, 1,6-dimethyl-
25	Naphthalene, 1,8-dimethyl-
26	Naphthalene, 2,3-dimethyl-
27	2H-1-Benzopyran-2-one
28	Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-
29	unknown
30	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]-
31	1-Propanol, 2-(2-hydroxypropoxy)-
32	Diethyl phthalate
33	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl -1,3-propanediyl ester
34	unknown
35	Caffeine
36	unknown
37	2-Pentanamine, N-ethyl-4-methyl-
38	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
39	unknown
40	unknown
41	unknown
42	unknown
43	Bis(2-ethylhexyl) phthalate


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9199600
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4599800
2299900
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13 14 15 16 17 18 19 50 51 52 53 54 55 56 57 58 59 60 61 62
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.00 minutes
Chart speed = 1.24 cm/min

1

2-Propanone (9CI)	
00067-64-1	32
Acetamide (8CI,9CI)	
00060-35-5	15



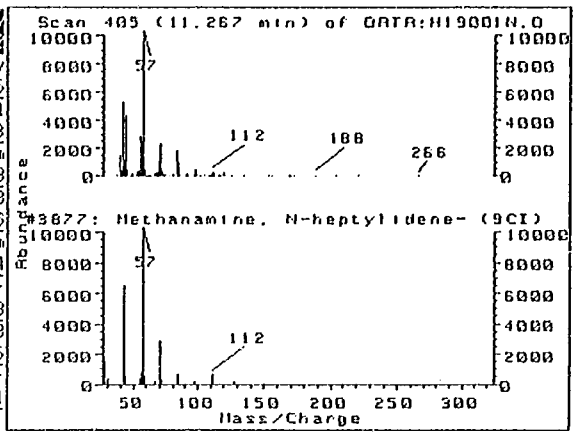
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

2

Methanamine, N-hepty	
06898-71-1	52
Methanamine, N-penty	
10599-75-4	45
1-Pentene, 4,4-dimet	
00762-62-9	33
Propane, 2-((1,1-dim	
01886-75-5	28
Heptane, 2-bromo- (8	
01974-04-5	26
Diazene, bis(1,1-dim	
00927-83-3	24
1-Heptene, 3-methyl-	
04810-09-7	18
Heptane, 4-azido- (8	
27126-22-3	15
Cyclopentane, 1,2,3-	
15890-40-1	11



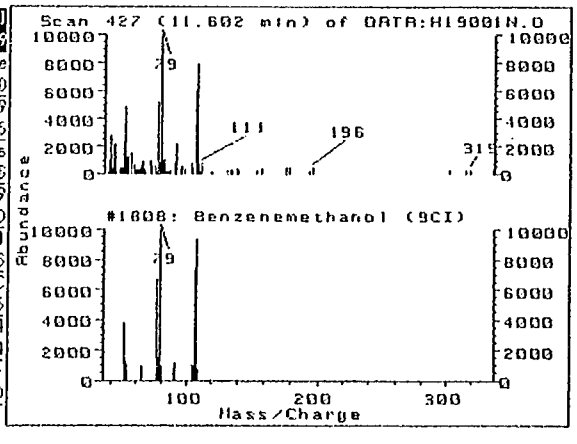
Entry# = 3877 CAS Num = 06898-71-1
Company ID Num = NBS 9/85
Mol.Weight = 127.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Methanamine, N-heptylidene- (9CI)

Mol. Formula =
C8H17N

Misc. Info. =

3

Benzenemethanol (9CI)	
00100-51-6	79
2-Pyridinamine, N-me	
04597-87-9	60
Phenol, 3-methyl- (9	
00108-39-4	55
Cyclohexane, 1,4-bis	
04982-20-1	36
Phenol, 4-methyl- (9	
00106-44-5	30
Silane, phenyl- (8CI	
00694-53-1	26
Pyrazine, ethyl- (8C	
13925-00-3	25
Spiro[2.4]heptane, 4	
24308-54-1	24
Bicyclo[2.2.1]hepta-	
00822-60-0	20



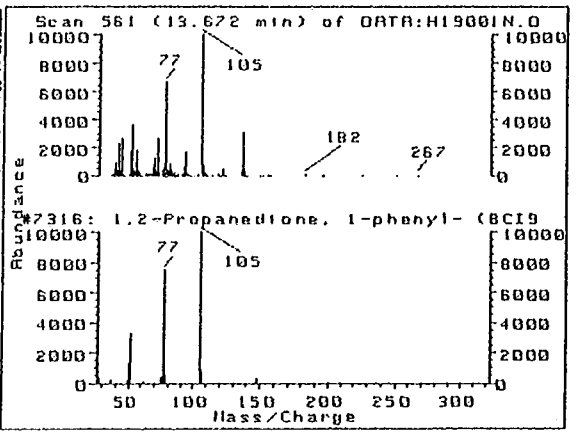
Entry# = 1608 CAS Num = 00100-51-6
Company ID Num = NBS 9/85
Mol.Weight = 108.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzenemethanol (9CI)

Mol. Formula =
C7H8O

Misc. Info. =
Drugs; Pesticides;

4

1,2-Propanedione, 1-	
00579-07-7	63
Benzoic acid, hydraz	
00613-94-5	48
1,2-Propanedione, 1-	
00119-51-7	45
Ethanone, 2-hydroxy-	
00582-24-1	42
Benzenecarbothioic a	
00098-91-9	31
Benzoic acid, methyl	
00093-58-3	30
Benzeneethanol, 2-me	
19819-98-8	30
Benzeneethanol, 4-me	
00699-02-5	26



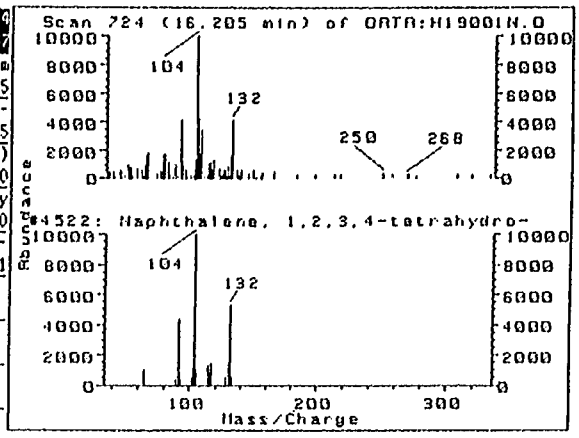
Entry# = 7316 CAS Num = 00579-07-7
Company ID Num = NBS 9/85
Mol.Weight = 148.052 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Propanedione, 1-phenyl- (8CI,9CI)

Mol. Formula =
C9H8O2

Misc. Info. =

5

Naphthalene, 1,2,3,4	
00119-64-2	67
Benzenemethanol, 2-m	
17373-93-2	25
Benzene, cyclobutyl-	
04392-30-7	25
Benzenebutanal (9CI)	
18328-11-5	20
Acetic acid, 2-pheny	
00103-45-7	20
1H-Inden-1-one, 2,3-	
00083-33-0	11



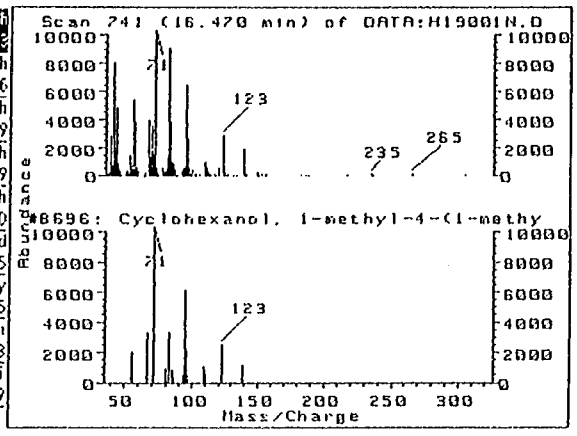
Entry# = 4522 CAS Num = 00119-64-2
Company ID Num = NBS 9/85
Mol.Weight = 132.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 1,2,3,4-tetrahydro- (8CI9CI)

Mol. Formula =
C10H12

Misc. Info. =
Pesticides;

6

Cyclohexanol, 1-meth	
21129-27-1	83
Cyclohexanol, 5-meth	
00089-78-1	76
Cyclohexanol, 5-meth	
15356-70-4	69
Cyclohexanol, 5-meth	
01490-04-6	59
Cyclohexanol, 5-meth	
00491-02-1	40
3,5-Octadiene, 2,7-d	
28980-73-6	35
Cyclohexane, 1-methy	
01879-07-8	35
Cyclohexanol, 5-meth	
00490-99-3	33
Cyclopentane, 1,3-di	
61142-31-2	29



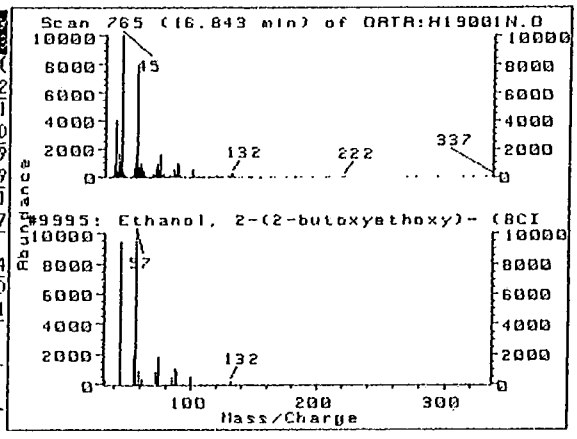
Entry# = 8696 CAS Num = 21129-27-1
Company ID Num = NBS 9/85
Mol.Weight = 156.150 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanol, 1-methyl-4-(1-methylethyl)- (9CI)

Mol. Formula =
C10H20O

Misc. Info. =

7

Ethanol, 2-(2-butoxy	
00112-34-5	93
Butane, 1-methoxy- (	
00628-28-4	32
2-Propanol (ACN)(9CI	
00067-63-0	30
1,3-Butanediol (8CI9	
00107-88-0	29
1,2-Propanediol (8CI	
00057-55-6	27
2-Pentanol (8CI9CI)	
06032-29-7	24
Diisopropyl ether (D	
00108-20-3	11



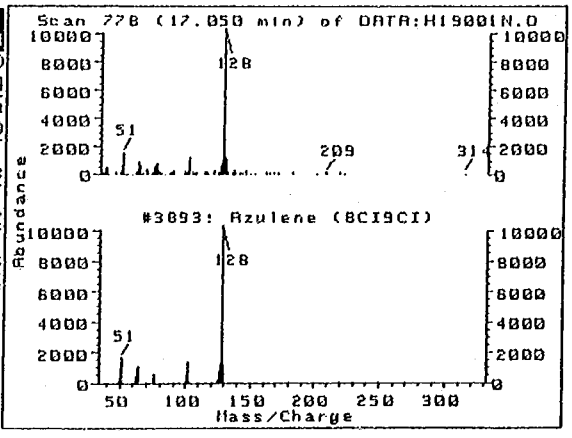
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

8

Azulene (8CI9CI)	
00275-51-4	81
Naphthalene (ACN)(DO	
00091-20-3	74
Bicyclo[4.4.1]undeca	
36628-80-5	60
1,4-Benzenedicarboni	
00623-26-7	43
1,3-Benzenedicarboni	
00626-17-5	42
1,2-Benzenedicarboni	
00091-15-6	36
1H-Indene, 1-methyle	
02471-84-3	31



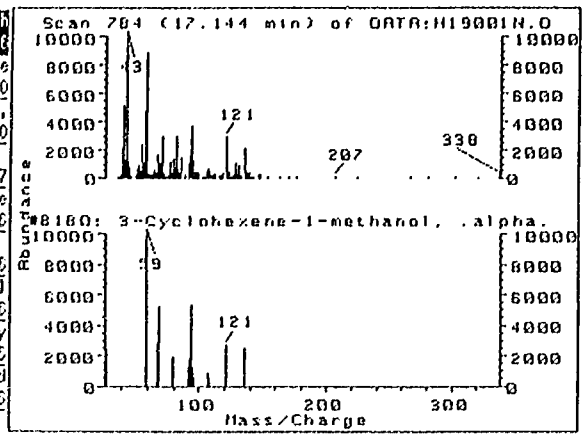
Entry# = 3893 CAS Num = 00275-51-4
Company ID Num = NBS 9/85
Mol.Weight = 128.062 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Azulene (8CI9CI)

Mol. Formula =
C10H8

Misc. Info. =

9

3-Cyclohexene-1-meth	
00098-55-5	46
Hydrazine, 1-(5-hexe	
53907-78-1	30
Cyclooctanemethanol,	
16624-00-9	30
Guanidine (8CI,9CI)	
00113-00-8	27
1,8-Nonanediol, 8-me	
54725-73-4	26
1-Propanamine (9CI)	
00107-10-8	26
Oxirane, tetramethyl	
05076-20-0	26
Ethane, 1,2-diethoxy	
00629-14-1	26
Butanoic acid, 2-hyd	
29674-47-3	26



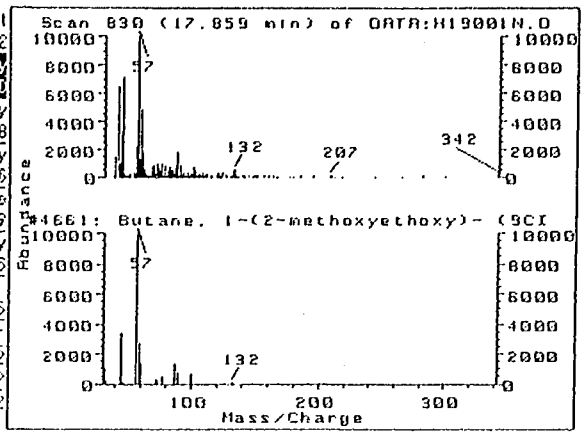
Entry# = 8180 CAS Num = 00098-55-5
Company ID Num = NBS 9/85
Mol.Weight = 154.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Cyclohexene-1-methanol, .alpha.,.alpha.4-trimethy
l- (9CI)

Mol. Formula =
C10H18O

Misc. Info. =
Pesticides;

10

2-Propanol, 1-(1-met	
53907-95-2	52
Butane, 1-(2-methoxy	
13343-98-1	50
2-Propanol, 1-ethoxy	
01569-02-4	38
1-Propanol, 2-ethoxy	
19089-47-5	36
3-Pentanol, 2,2-dime	
03970-62-5	29
Ethane, 1,2-diethoxy	
00629-14-1	26
Pentane, 2-methoxy-	
06795-88-6	25
Propane, 2-methyl-1-	
15268-49-2	25
Ether, sec-butyl iso	
18641-81-1	25



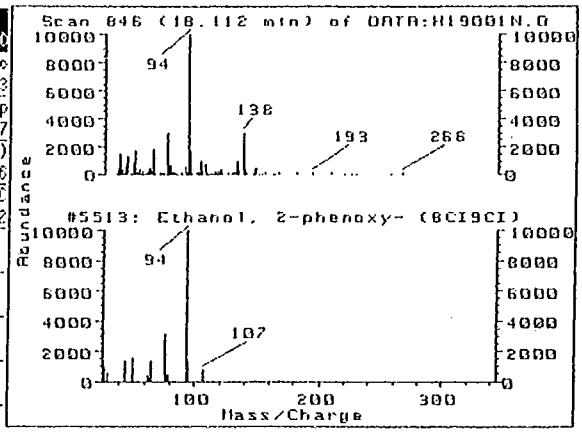
Entry# = 4661 CAS Num = 13343-98-1
Company ID Num = NBS 9/85
Mol.Weight = 132.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-(2-methoxyethoxy)- (9CI)

Mol. Formula =
C7H16O2

Misc. Info. =

11

Ethanol, 2-phenoxy-	
00122-99-6	70
Ethanone, 1-(8-hydro	
57130-91-3	43
Methane, isopropoxyp	
00828-12-6	27
2-Pyridinamine (9CI)	
00504-29-0	26
Phenol (ACN)(DOT)(9C	
00108-95-2	12



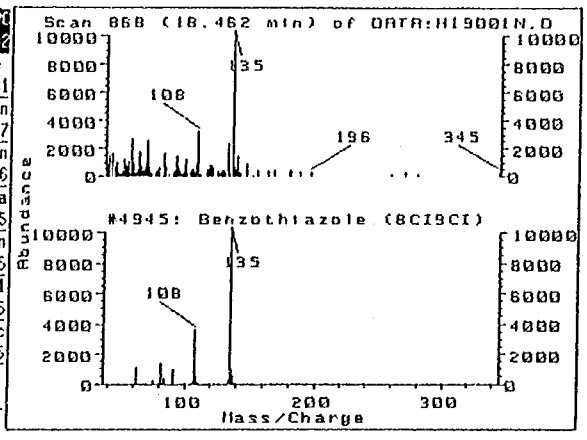
Entry# = 5513 CAS Num = 00122-99-6
Company ID Num = NBS 9/85
Mol.Weight = 138.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-phenoxy- (8CI,9CI)

Mol. Formula =
C8H10O2

Misc. Info. =
Carbohydrates;

12

Benzothiazole (8CI,9C	
00095-16-9	42
1,2-Benzisothiazole	
00272-16-2	31
Thieno[3,2-c]pyridin	
00272-14-0	27
Thieno[2,3-c]pyridin	
00272-12-8	26
1,2,4-Triazolo[4,3-a	
06969-71-7	25
Benzene, isothiocyan	
00103-72-0	25
2,1-Benzisoxazol-3(1	
31499-90-8	25
2-Pyridinecarboxylic	
00536-69-6	25



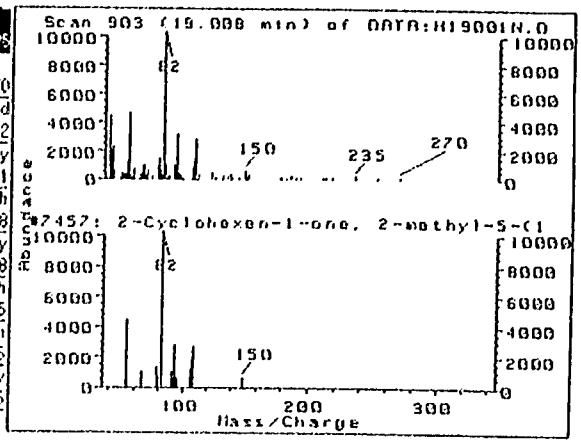
Entry# = 4945 CAS Num = 00095-16-9
Company ID Num = NBS 9/85
Mol.Weight = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole (8CI,9CI)

Mol. Formula =
C7H5NS

Misc. Info. =

13

2-Cyclohexen-1-one,	
02244-16-8	98
2-Cyclohexen-1-one,	
06485-40-1	70
Methanesulfonic acid	
16156-56-2	42
1H-Pyrazole, 1-methy	
00930-36-9	41
1H-Imidazole, 2-meth	
00693-98-1	28
1H-Pyrazole, 3-methy	
01453-58-3	28
1H-Imidazole, 1-meth	
00616-47-7	25
1H-Imidazole, 4-meth	
00822-36-6	25
1H-Pyrazole, 4-methy	
07554-65-6	25



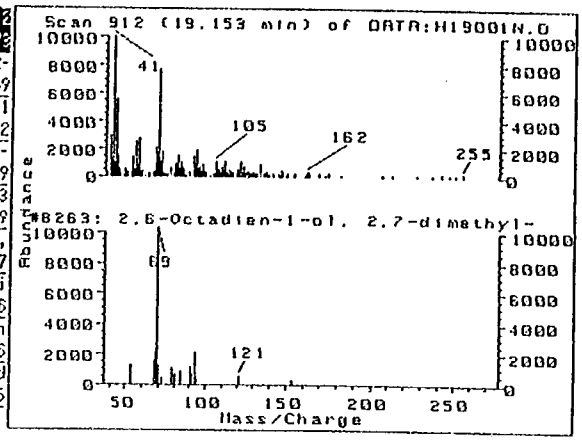
Entry# = 7457 CAS Num = 02244-16-8
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-, (S)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

14

2,6-Octadien-1-ol, 2	
22410-74-8	73
2-Propenoic acid, 2-	
04245-37-8	59
2,6,10-Dodecatrien-1	
04602-84-0	52
1,5-Heptadiene, 3,6-	
34871-10-6	49
2,6-Octadien-1-ol, 3	
00106-24-1	49
1,5-Heptadiene, 2,3,	
33501-88-1	47
1-Hexyn-3-ol, 3,5-di	
00107-54-0	46
2-Butenoic acid, 4-n	
35665-90-8	46
1-Pentyn-3-ol, 3,4-d	
01482-15-1	45



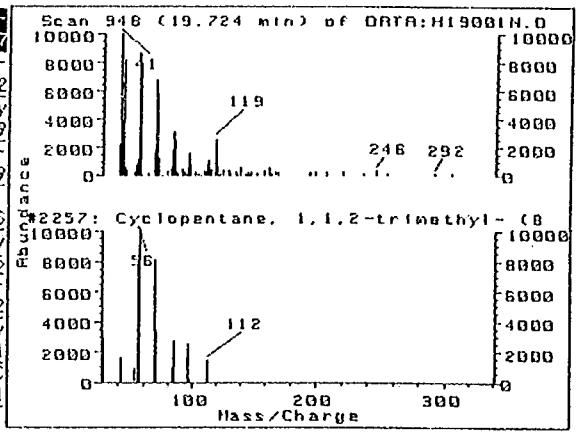
Entry# = 8263 CAS Num = 22410-74-8
Company ID Num = NBS 9/85
Mol.Weight = 154.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,6-Octadien-1-ol, 2,7-dimethyl- (8CI9CI)

Mol. Formula =
C10H18O

Misc. Info. =

15

Cyclopentane, 1,1,2-	
04259-00-1	67
1-Heptene, 3-methyl-	
04810-09-7	62
Cyclopropane, 1-hexy	
74630-58-3	59
Cyclopropane, octyl-	
01472-09-9	59
1-Octene (8CI9CI)	
00111-66-0	56
Cyclopropane, 1-ethy	
74663-86-8	55
1-Octanol, dimethyl-	
01333-49-9	52
Cyclopropane, 1-buty	
74663-88-0	51
3-Dodecene, (Z)- (8C	
07239-23-8	51



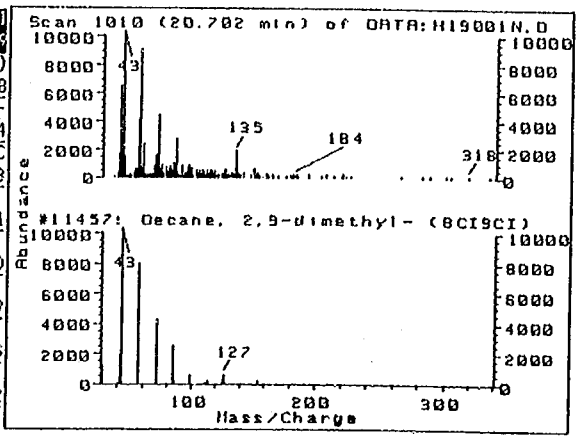
Entry# = 2257 CAS Num = 04259-00-1
Company ID Num = NBS 9/85
Mol.Weight = 112.124 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopentane, 1,1,2-trimethyl- (8CI9CI)

Mol. Formula =
C8H16

Misc. Info. =

16

Decane, 2,9-dimethyl	
01002-17-1	59
Pentadecane (8CI9CI)	
00629-62-9	58
Iron, tricarbonyl[(H-	
74764-11-7	54
Pentatriacontane (8C	
00630-07-9	53
Undecane (8CI9CI)	
01120-21-4	51
Hexadecane (8CI9CI)	
00544-76-3	50
Hexacosane (8CI9CI)	
00630-01-3	49
Heptadecane, 2,6,10,	
54833-48-6	46
Tetradecane, 1-iodo-	
19218-94-1	42



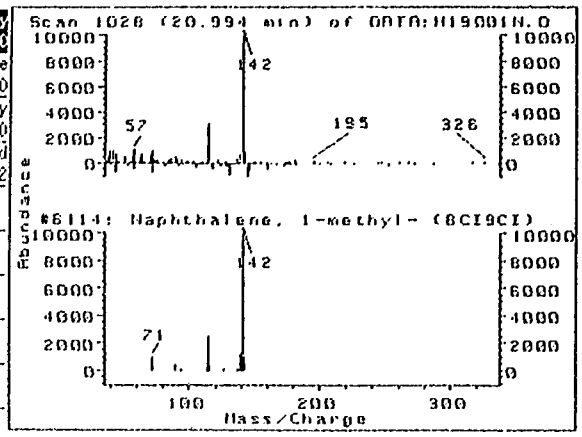
Entry# = 11457 CAS Num = 01002-17-1
Company ID Num = NBS 9/85
Mol.Weight = 170.202 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Decane, 2,9-dimethyl- (8CI9CI)

Mol. Formula =
C12H26

Misc. Info. =

17

Naphthalene, 1-methy	
00090-12-0	78
1,4-Methanonaphthale	
04453-90-1	70
Naphthalene, 2-methy	
00091-57-6	70
1H-Indene, 1-ethylid	
02471-83-2	42



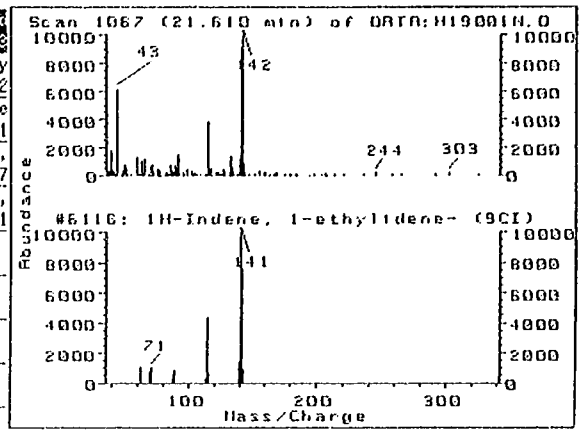
Entry# = 6114 CAS Num = 00090-12-0
Company ID Num = NBS 9/85
Mol.Weight = 142.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 1-methyl- (8CI,9CI)

Mol. Formula =
C11H10

Misc. Info. =
Pesticides;

18

1H-Indene, 1-ethylid	
02471-83-2	78
Naphthalene, 2-methy	
00091-57-6	52
1,4-Methanonaphthale	
04453-90-1	31
Benzeneacetonitrile,	
00876-31-3	27
Benzeneacetonitrile,	
03759-28-2	11



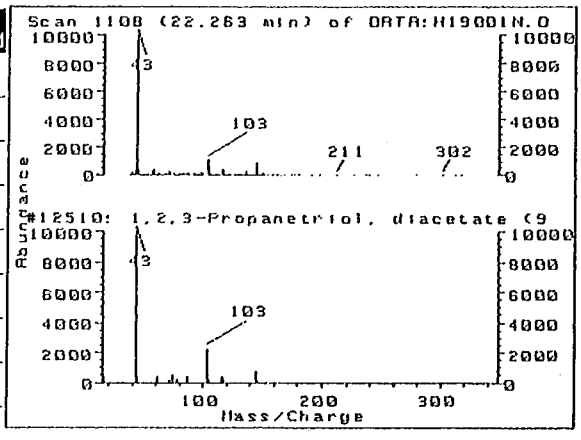
Entry# = 6116 CAS Num = 02471-83-2
Company ID Num = NBS 9/85
Mol.Weight = 142.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Indene, 1-ethylidene- (9CI)

Mol. Formula =
C11H10

Misc. Info. =

19

1,2,3-Propanetriol,	
25395-31-7	11



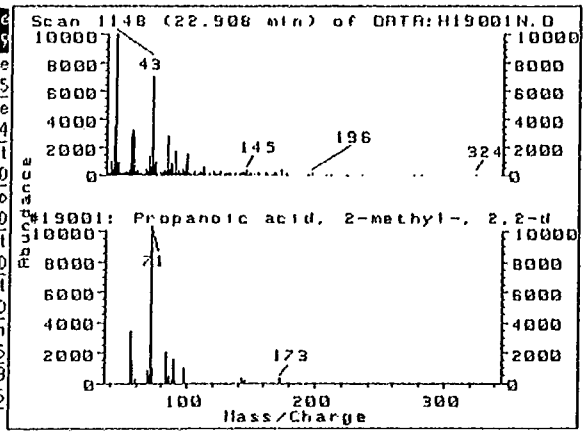
Entry# = 12510 CAS Num = 25395-31-7
Company ID Num = NBS 9/85
Mol.Weight = 176.068 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2,3-Propanetriol, diacetate (9CI)

Mol. Formula =
C7H12O5

Misc. Info. =
Carbohydrates; Fatty acids and Lipids;

20

Propanoic acid, 2-me	
74367-33-2	55
Propanoic acid, 2-me	
74367-32-1	25
Propanoic acid, 2-me	
54340-93-1	24
Decane, 2,5,9-trimet	
62108-22-9	20
Butanoic acid, 2-pro	
02051-78-7	20
1-Penten-3-ol, 3-met	
00918-85-4	20
Borane, diethyl[1-et	
53670-48-7	20
Ether, 3-butenyl pen	
34061-78-4	15
Pentane, 3-bromo- (8	
01809-10-5	15



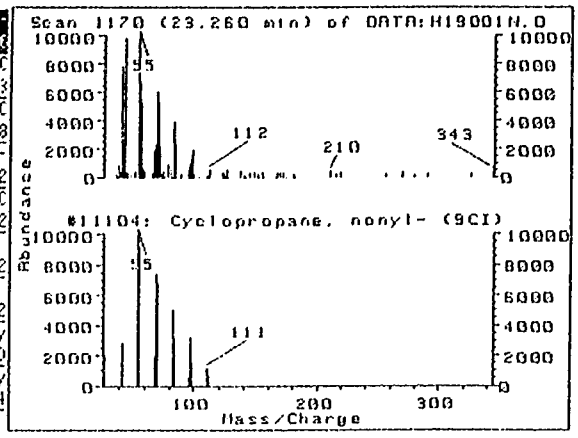
Entry# = 19001 CAS Num = 74367-33-2
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(2-hydrox
y-1-methylethyl)propyl ester (9CI)

Mol. Formula =
C12H24O3

Misc. Info. =

21

Cyclopropane, nonyl-	
74663-85-7	68
Cyclododecane (8CI9C	
00294-62-2	63
4-Dodecene, (E)- (8C	
07206-15-7	58
Cyclododecane, methyl-	
13151-43-4	52
2-Dodecene, (Z)- (8C	
07206-26-0	52
3-Tetradecene, (Z)-	
41446-67-7	52
3-Tetradecene, (E)-	
41446-68-8	52
Cyclopropane, 1-ethy	
74663-86-8	50
Cyclopropane, 1-hexy	
74630-58-3	44



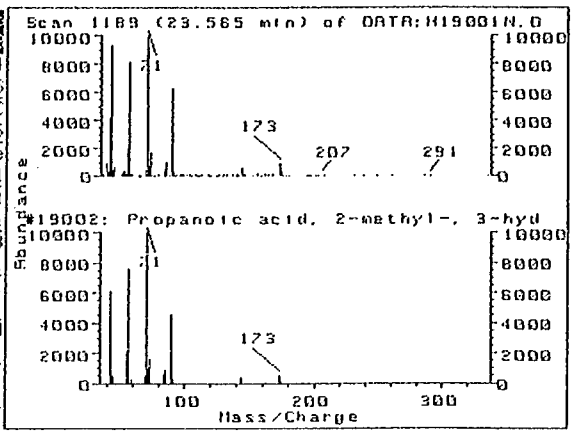
Entry# = 11104 CAS Num = 74663-85-7
Company ID Num = NBS 9/85
Mol.Weight = 168.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, nonyl- (9CI)

Mol. Formula =
C12H24

Misc. Info. =

22

Propanoic acid, 2-me	
74367-34-3	78
Butanoic acid, hexyl	
02639-63-6	36
Cyclopentanamine (9C	
01003-03-8	15
Oxetane, 2,3,4-trime	
32347-12-9	11
Cyclopropane, (1-met	
03638-35-5	11
Butane, 1-chloro- (8	
00109-69-3	11
Propane, 1-isocyanat	
00110-78-1	11
2-Azetidinone, 3,3-d	
07486-91-1	11
Cyanic acid, propyl	
01768-36-1	11



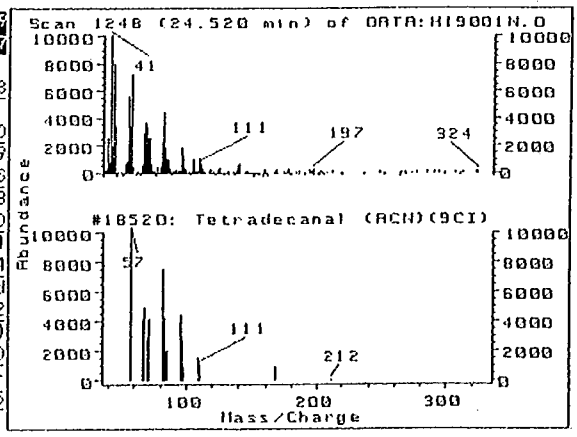
Entry# = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethy
lpentyl ester (9CI)

Mol. Formula =
C12H2403

Misc. Info. =

23

Tetradecanal (ACN)(9	
00124-25-4	67
Dodecanal (9CI)	
00112-54-9	63
Tridecanal (8CI9CI)	
10486-19-8	50
Cyclododecanol (8CI9	
01724-39-6	46
1,12-Dodecanediol (8	
05675-51-4	40
1,14-Tetradecanediol	
19812-64-7	34
1,6-Octadiene, 2,7-d	
40195-09-3	32
16-Octadecenal (9CI)	
56554-87-1	30
Oxirane, tetradecyl-	
07320-37-8	25



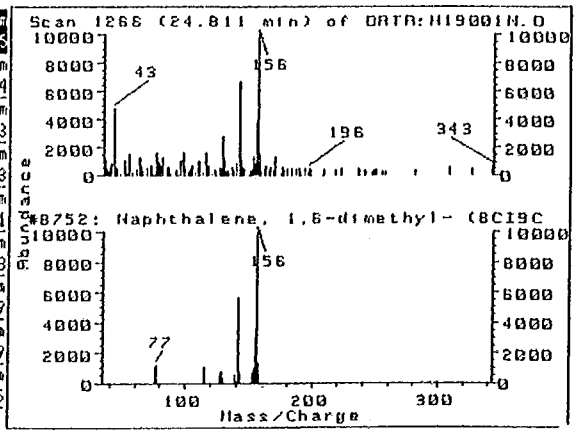
Entry# = 18520 CAS Num = 00124-25-4
Company ID Num = NBS 9/85
Mol.Weight = 212.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Tetradecanal (ACN)(9CI)

Mol. Formula =
C14H280

Misc. Info. =
Fatty acids and Lipids;

24

Naphthalene, 1,6-dim	
00575-43-9	75
Naphthalene, 1,2-dim	
00573-98-8	74
Naphthalene, 1,7-dim	
00575-37-1	73
Naphthalene, 2,6-dim	
00581-42-0	73
Naphthalene, 2,3-dim	
00581-40-8	71
Naphthalene, 1,5-dim	
00571-61-9	68
Naphthalene, 2,7-dim	
00582-16-1	59
Naphthalene, 1,3-dim	
00575-41-7	59
Naphthalene, 1,4-dim	
00571-58-4	55



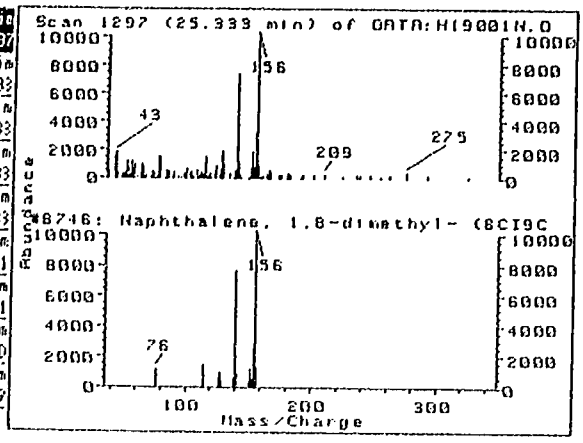
Entry# = 8752 CAS Num = 00575-43-9
Company ID Num = NBS 9/85
Mol.Weight = 156.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 1,6-dimethyl- (8CI9CI)

Mol. Formula =
C12H12

Misc. Info. =

25

Naphthalene, 1,8-dim	
00569-41-5	87
Naphthalene, 1,3-dim	
00575-41-7	83
Naphthalene, 1,6-dim	
00575-43-9	83
Naphthalene, 2,3-dim	
00581-40-8	83
Naphthalene, 1,7-dim	
00575-37-1	83
Naphthalene, 1,2-dim	
00573-98-8	81
Naphthalene, 1,5-dim	
00571-61-9	71
Naphthalene, 1,4-dim	
00571-58-4	70
Naphthalene, 2,6-dim	
00581-42-0	69



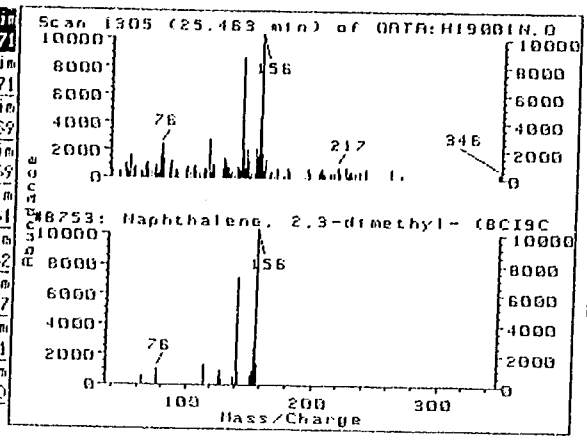
Entry# = 8746 CAS Num = 00569-41-5
Company ID Num = NBS 9/85
Mol.Weight = 156.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 1,8-dimethyl- (8CI9CI)

Mol. Formula =
C12H12

Misc. Info. =

26

Naphthalene, 2,3-dim	
00581-40-8	71
Naphthalene, 1,8-dim	
00569-41-5	71
Naphthalene, 1,4-dim	
00571-58-4	69
Naphthalene, 1,2-dim	
00573-98-8	69
Naphthalene, 2,6-dim	
00581-42-0	61
Naphthalene, 1,7-dim	
00575-37-1	52
Naphthalene, 1,6-dim	
00575-43-9	47
Naphthalene, 1,5-dim	
00571-61-9	41
Naphthalene, 2,7-dim	
00582-16-1	40



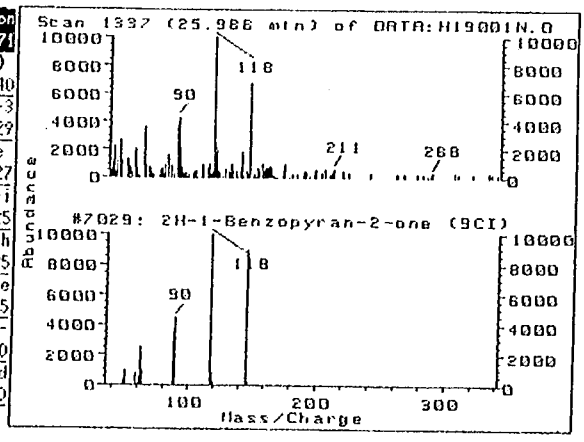
Entry# = 8753 CAS Num = 00581-40-8
Company ID Num = NBS 9/85
Mol.Weight = 156.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 2,3-dimethyl- (8CI9CI)

Mol. Formula =
C12H12

Misc. Info. =

27

2H-1-Benzopyran-2-on	
00091-64-5	71
Benzofuran (8CI9CI)	
00271-89-6	40
Isoxazole, 5-amino-3	
28883-91-2	29
2(1H)-Quinoxalinone	
01196-57-2	27
Benzeneacetyl chlori	
00103-80-0	25
Pyridine, 3-(3,4-dih	
00532-12-7	25
1,2-Naphthalenedione	
00607-20-5	25
Aziridine, 2-phenyl-	
01499-00-9	20
1H-Indene, 2,3-dihyd	
00496-11-7	20



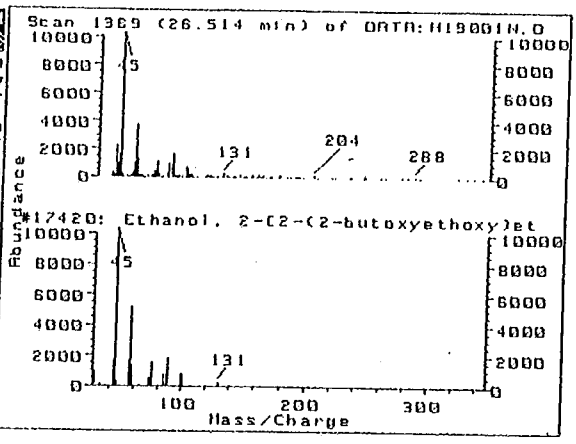
Entry# = 7029 CAS Num = 00091-64-5
Company ID Num = NBS 9/85
Mol.Weight = 146.036 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2H-1-Benzopyran-2-one (9CI)

Mol. Formula =
C9H6O2

Misc. Info. =
Drugs; Misc. Natural products;

28

Ethanol, 2-[2-(2-but	
00143-22-6	86
Ethanol, 2-(2-(ethen	
00929-37-3	67
Ethanol, 2,2'-(oxybi	
00112-60-7	60
Triethylene glycol (	
00112-27-6	60
1,3-Butanediol (8CI9	
00107-88-0	39
2-Hexanol (8CI9CI)	
00626-93-7	36
Propanenitrile, 3-me	
00110-67-8	36
Propane, 1-methoxy-2	
00625-44-5	15



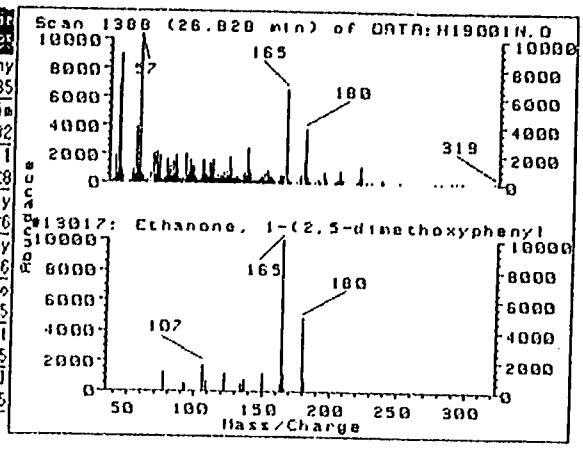
Entry# = 17420 CAS Num = 00143-22-6
Company ID Num = NBS 9/85
Mol.Weight = 206.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]- (8CI9CI)

Mol. Formula =
C10H22O4

Misc. Info. =
Carbohydrates;

29

Ethanone, 1-(2,5-dim	
01201-38-3	38
Phenol, (1,1-dimethy	
25013-16-5	35
Thiazolo[5,4-d]pyrim	
19835-21-3	32
Benzenethiol, 4-(1,1	
15570-10-2	28
9H-Fluorene, 3-methy	
02523-39-9	26
9H-Fluorene, 9-methy	
02523-37-7	26
Ethanone, 1-(2-hydro	
04223-84-1	25
Ethanol, 2-(4-(1-met	
54576-35-1	25
Benzenamine, N-ethyl	
56288-55-0	25



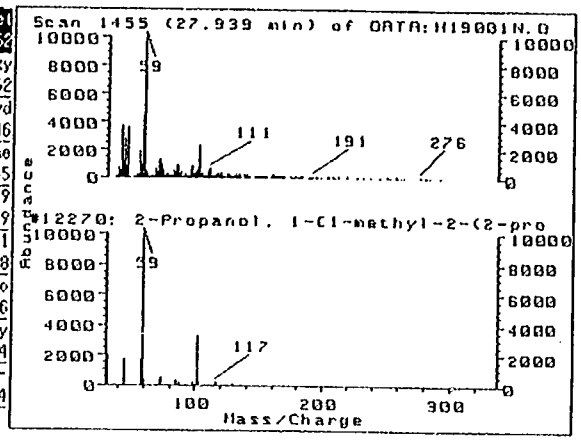
Entry# = 13017 CAS Num = 01201-38-3
Company ID Num = NBS 9/85
Mol.Height = 180.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 1-(2,5-dimethoxyphenyl)- (9CI)

Mol. Formula =
C10H12O3

Misc. Info. =

30

2-Propanol, 1-(1-met	
55956-25-7	52
2-Propanol, 1,1'-oxy	
00110-98-5	52
1-Propanol, 2-(2-hyd	
00106-62-7	46
1,8-Nonanediol, 8-me	
54725-73-4	45
Silane, hexyl- (8CI9	
01072-14-6	39
2-Propanol, 1,1'-((1	
01638-16-0	38
2-Pentanol, 3-chloro	
74685-49-7	36
Propanoic acid, 2-hy	
02110-78-3	34
2,3-Butanediol, 2,3-	
00076-09-5	34



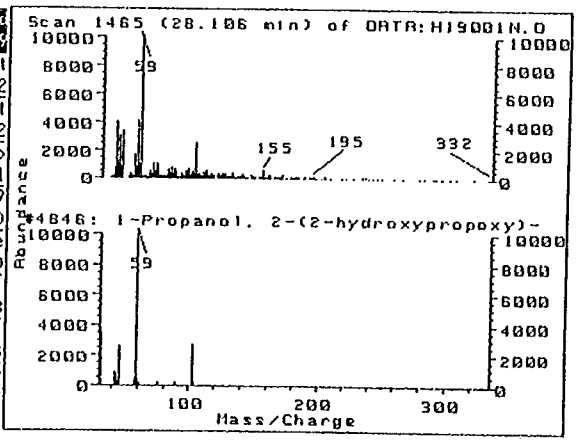
Entry# = 12270 CAS Num = 55956-25-7
Company ID Num = NBS 9/85
Mol.Height = 174.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-(1-methyl-2-(2-propenyloxy)ethoxy)- (9CI)

Mol. Formula =
C9H18O3

Misc. Info. =
Carbohydrates;

31

1-Propanol, 2-(2-hyd	
00106-62-7	59
2-Propanol, 1-(2-met	
20324-32-7	52
2-Propanol, 1-(1-met	
55956-25-7	52
2-Pentanol, 3-chloro	
74685-49-7	41
Silane, hexyl- (8CI9	
01072-14-6	40
1,8-Nonanediol, 8-me	
54725-73-4	40
3-Hexanol (8CI9CI)	
00623-37-0	38
Cyclohexanemethanol,	
00498-81-7	36
Propanoic acid, 2-hy	
02110-78-3	33



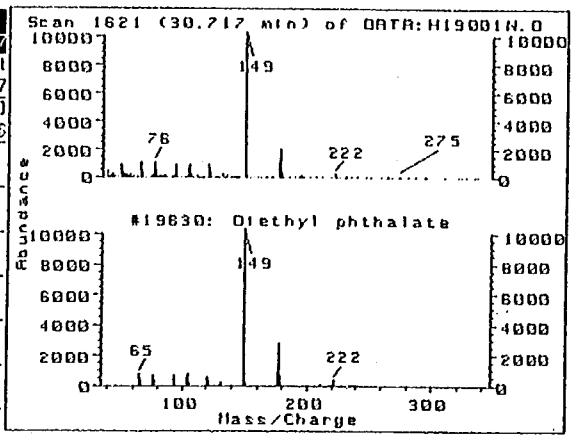
Entry# = 4846 CAS Num = 00106-62-7
Company ID Num = NBS 9/85
Mol.Height = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI9CI)

Mol. Formula =
C6H14O3

Misc. Info. =

32

Diethyl phthalate	
00084-66-2	67
Benzothiazole, 2-met	
00120-75-2	27
1H-s-Triazolo[1,5-a]	
13980-64-8	26



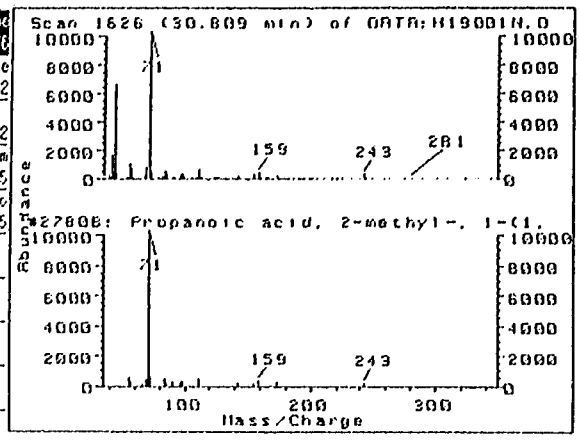
Entry# = 19830 CAS Num = 00084-66-2
Company ID Num = NBS 9/85
Mol.Height = 222.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Diethyl phthalate

Mol. Formula =
C12H14O4

Misc. Info. =
Pesticides; Priority Pollutants;

33

Propanoic acid, 2-me	
74381-40-1	76
Methylamine, N-(1-me	
22058-71-5	52
Ethane, isocyanato-	
00109-90-0	52
1-Hexene, 3,4,5-trim	
56728-10-0	15
Butanoic acid, 2-pro	
02051-78-7	15



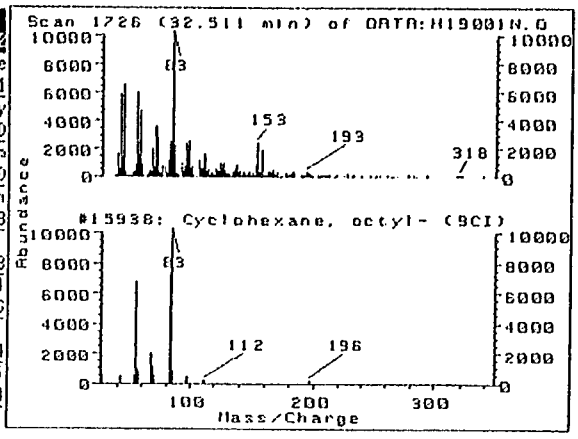
Entry# = 27808 CAS Num = 74381-40-1
Company ID Num = NBS 9/85
Mol.Weight = 286.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester (9CI)

Mol. Formula =
C16H3004

Misc. Info. =

34

Cyclohexane, octyl-	
01795-15-9	32
1-Cyclopentene-1-ace	
24863-70-5	31
Cyclopentane, 1-ethy	
16747-50-5	30
2-Hexene, 4,4,5-trim	
55702-61-9	30
Cyclohexane, (3-meth	
61142-38-9	28
Cyclohexane, bromo-	
00108-85-0	28
Glycine, N-(2-methyl	
55649-53-1	26
Cyclohexane, azido-	
19573-22-9	24
Cyclohexanecarboxyli	
04840-76-0	24



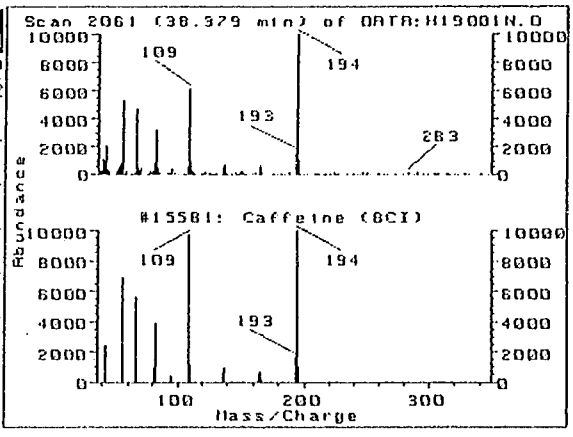
Entry# = 15938 CAS Num = 01795-15-9
Company ID Num = NBS 9/85
Mol.Weight = 196.218 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexane, octyl- (9CI)

Mol. Formula =
C14H28

Misc. Info. =

35

Caffeine (8CI)	
00058-08-2	71
3-Cyclohexene-1-buta	
69494-13-9	25



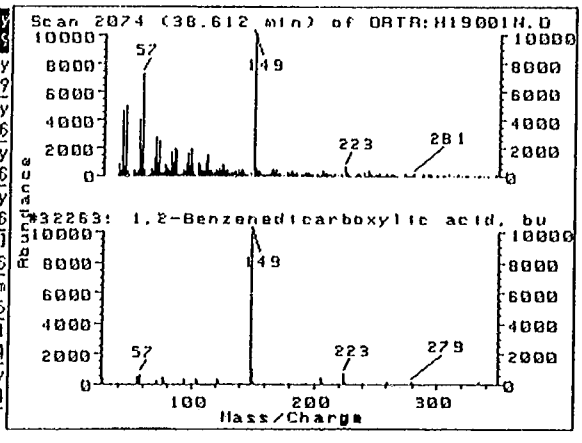
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N402

Misc. Info. =
Alkaloids; Drugs;

36

1,2-Benzenedicarboxy	
00085-69-8	55
1,2-Benzenedicarboxy	
00131-16-8	52
1,2-Benzenedicarboxy	
00084-78-6	56
1,2-Benzenedicarboxy	
00605-45-8	56
1,2-Benzenedicarboxy	
00117-82-8	56
1H-s-Triazolo[1,5-a]	
13980-64-8	46
Benzene, 1-butyl-4-m	
18272-84-9	45
Benzothiazole, 2-met	
00120-75-2	44
1,2-Benzenedicarboxy	
00084-64-0	44

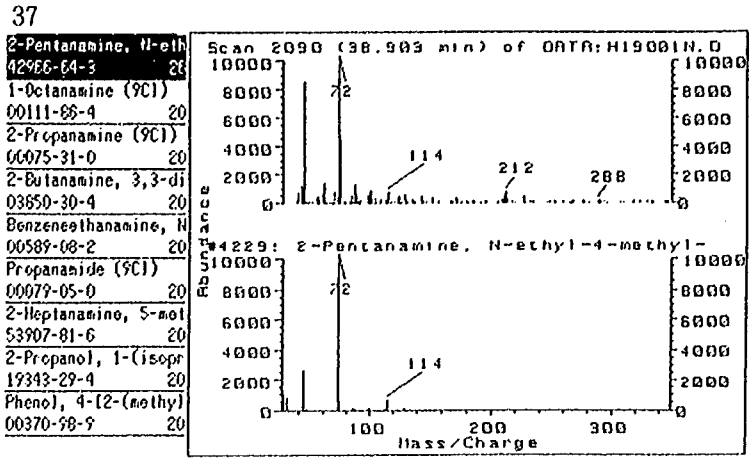


Entry# = 32263 CAS Num = 00085-69-8
Company ID Num = NBS 9/85
Mol.Weight = 334.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester (9CI)

Mol. Formula =
C20H3004

Misc. Info. =

37

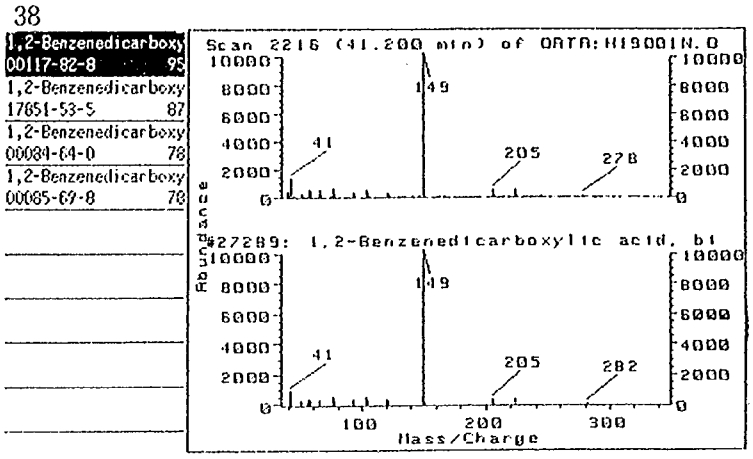


Entry# = 4229 CAS Num = 42966-64-3
Company ID Num = NBS 9/85
Mol.Weight = 129.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Pentanamine, N-ethyl-4-methyl- (9CI)

Mol. Formula =
C8H19N

Misc. Info. =

38

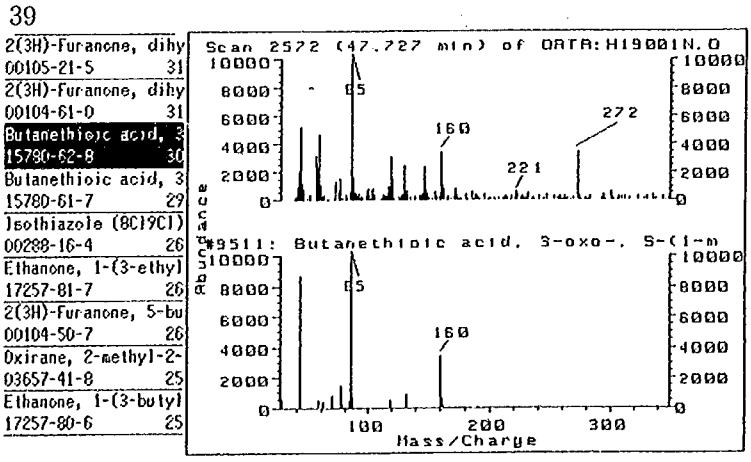


Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) e
ster (9CI)

Mol. Formula =
C14H1606

Misc. Info. =
Carbohydrates;

39

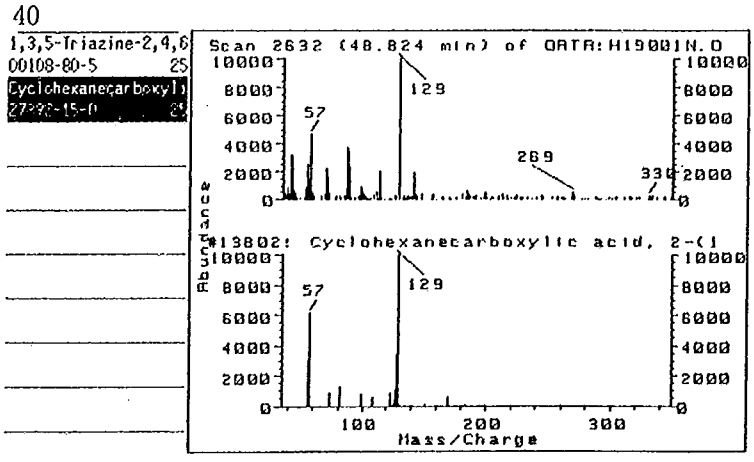


Entry# = 9511 CAS Num = 15780-62-8
Company ID Num = NBS 9/85
Mol.Weight = 160.055 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butanethioic acid, 3-oxo-, S-(1-methylethyl) ester
(9CI)

Mol. Formula =
C7H1202S

Misc. Info. =

40



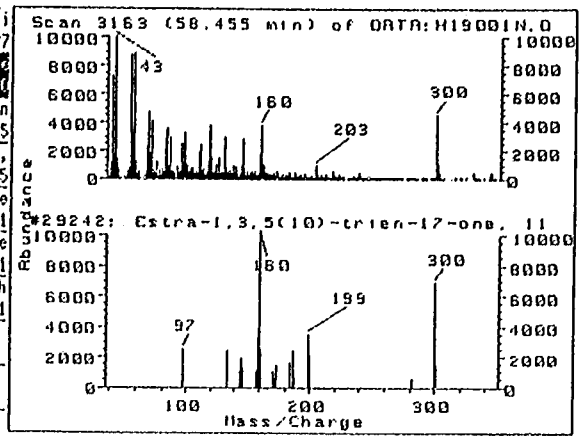
Entry# = 13802 CAS Num = 27392-15-0
Company ID Num = NBS 9/85
Mol.Weight = 184.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanecarboxylic acid, 2-(1,1-dimethylethyl)-,
cis- (9CI)

Mol. Formula =
C11H2002

Misc. Info. =

41

2,4,6,8,9,10-Hexathi
06327-74-8 27
Estra-1,3,5(10)-trie
05210-12-8 20
3H-1,3-Benzodiazepin
46035-38-5 15
Ethanone, 1-phenyl-,
01677-87-8 15
20,21-Dinoraspidospe
55162-77-1 11
Estra-1,3,5(10)-trie
74299-15-3 11
Benzaldehyde, 3-meth
02680-05-9 11



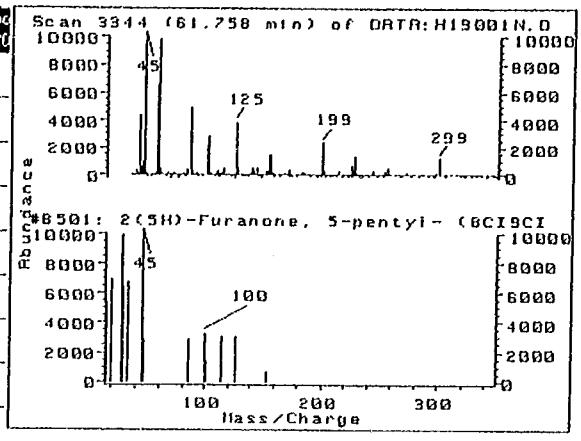
Entry# = 29242 CAS Num = 05210-12-8
Company ID Num = NBS 9/85
Mol.Weight = 300.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Estra-1,3,5(10)-trien-17-one, 11-hydroxy-3-methoxy-, (11.alpha.)- (9CI)

Mol. Formula =
C19H24O3

Misc. Info. =
Steroids;

42

2(5H)-Furanone, 5-pe
21963-26-8 20



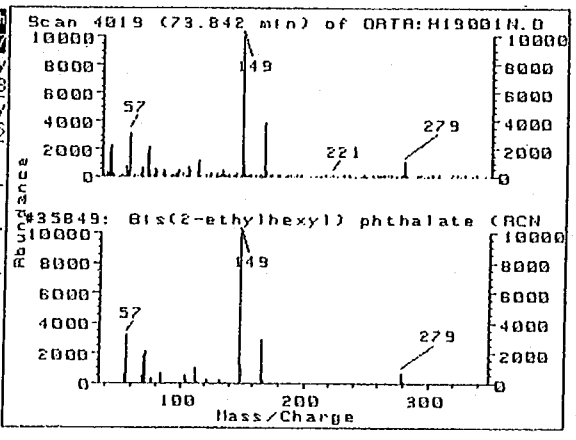
Entry# = 8501 CAS Num = 21963-26-8
Company ID Num = NBS 9/85
Mol.Weight = 154.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(5H)-Furanone, 5-pentyl- (8CI,9CI)

Mol. Formula =
C9H14O2

Misc. Info. =

43

Bis(2-ethylhexyl) ph
00117-81-7 67
1,2-Benzenedicarboxy
00603-11-2 58
1,2-Benzenedicarboxy
17851-53-5 26



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

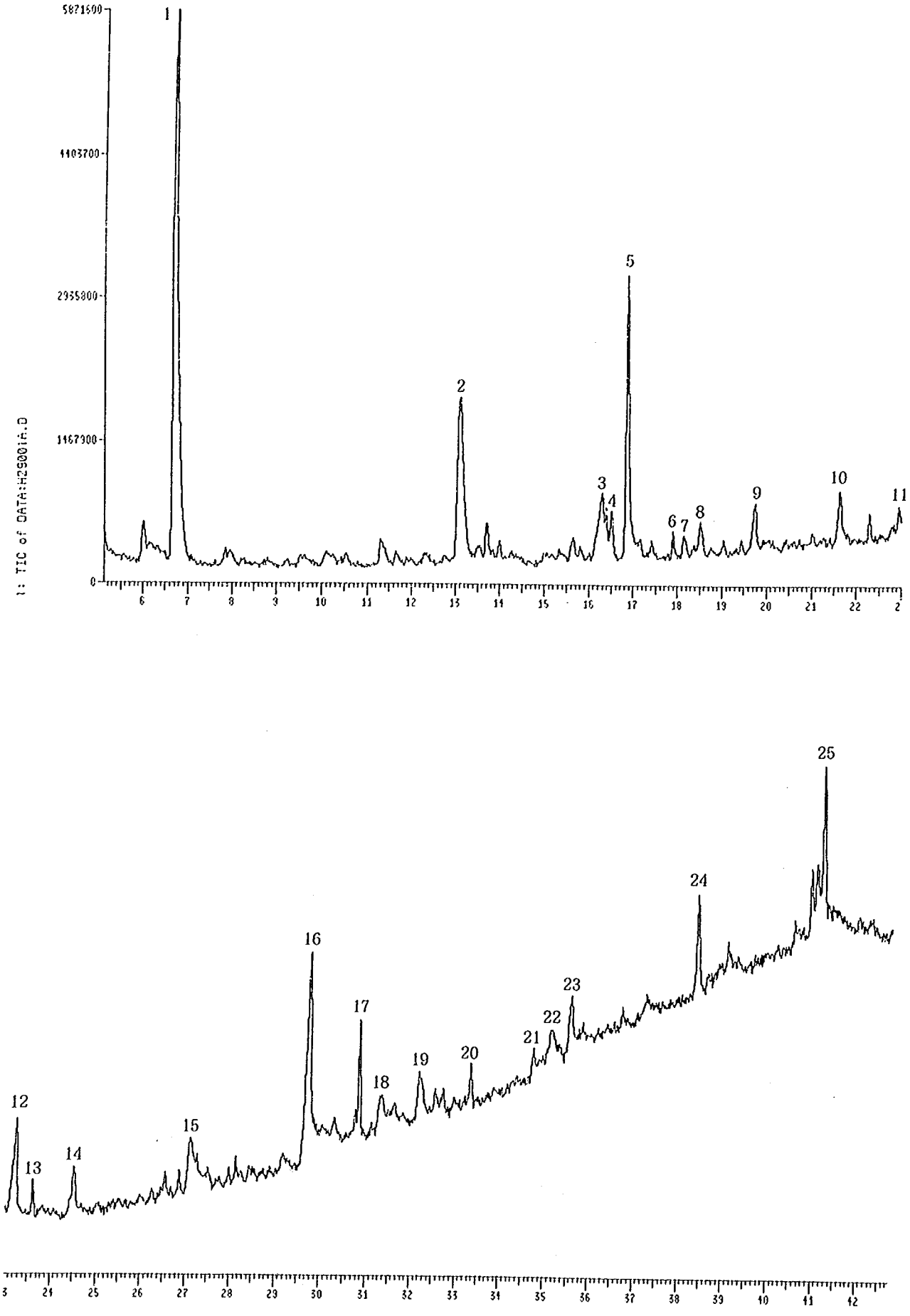
Misc. Info. =
Pesticides; Priority Pollutants;

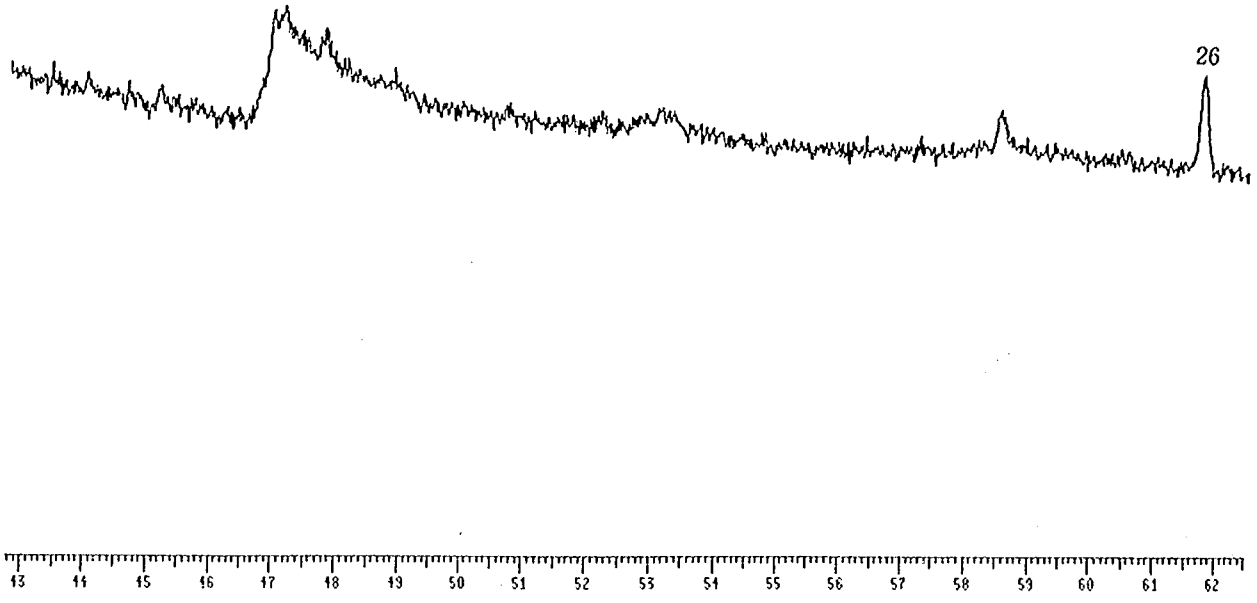
Ⅲ － 4

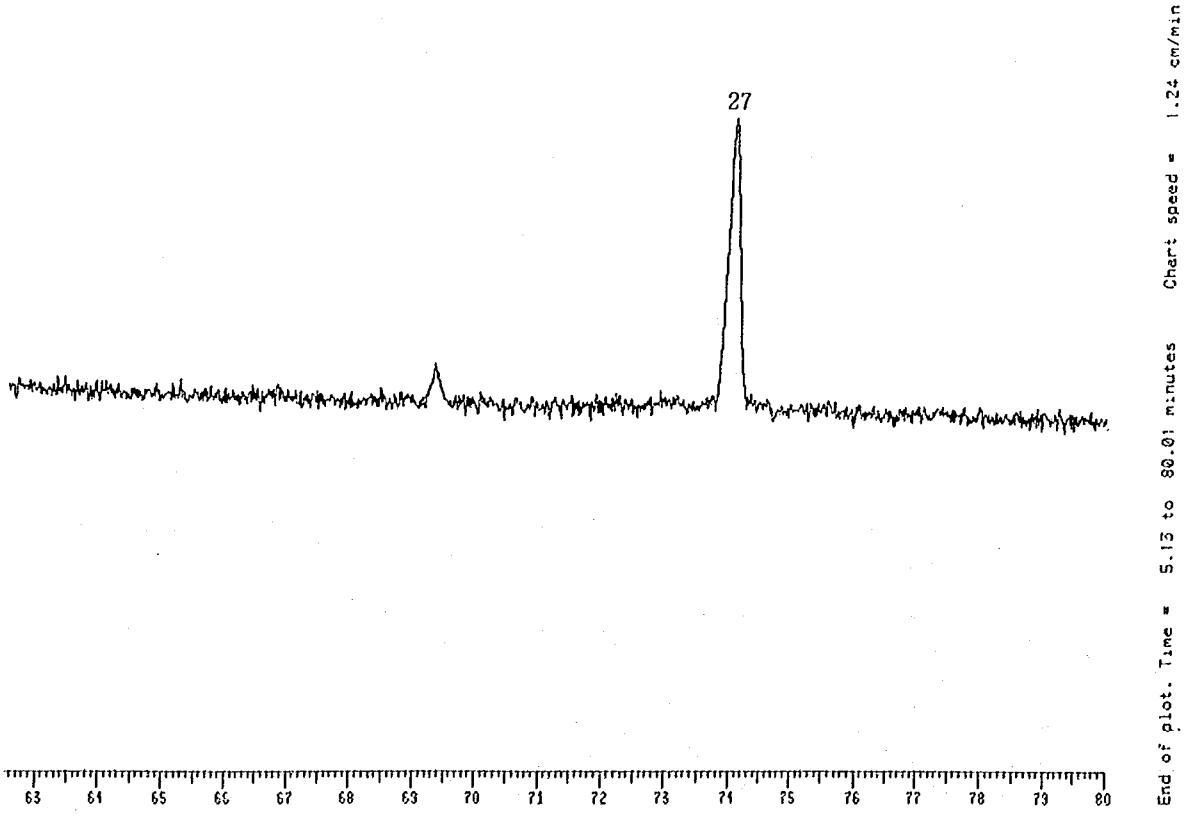
H 処理場　一次処理水　酸性分画

H29001A

No	Name
1	unknown
2	Phenol, 4-methyl-
3	unknown
4	Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha., 2.beta.,5.alpha.)-(.+-.)-
5	Ethanol, 2-(2-butoxyethoxy)-
6	unknown
7	unknown
8	unknown
9	unknown
10	Phthalic anhydride
11	unknown
12	Decanoic acid
13	unknown
14	unknown
15	Benzoic acid, 2-hydroxy-, hydrazide
16	Glycine, N-methyl-N-(1-oxododecyl)-
17	Pentane, 3-bromo-
18	unknown
19	unknown
20	2(3H)-Furanone, 5-heptyldihydro-
21	unknown
22	unknown
23	Tetradecanoic acid
24	Caffeine
25	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
26	unknown
27	Bis(2-ethylhexyl) phthalate

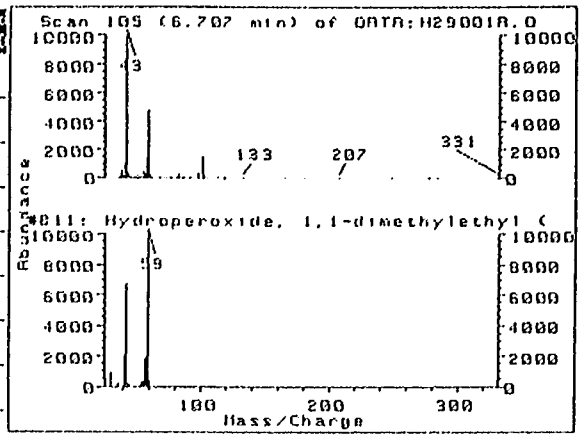

5871600
4403700
2935800
1467900
0
1: TIC of DATA:H2900IA.D
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26
13 14 15 16 17 18 19 50 51 52 53 54 55 56 57 58 59 60 61 62


27
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.01 minutes Chart speed = 1.24 cm/min

1

Hydroperoxido, 1,1-d	
00075-91-2	20



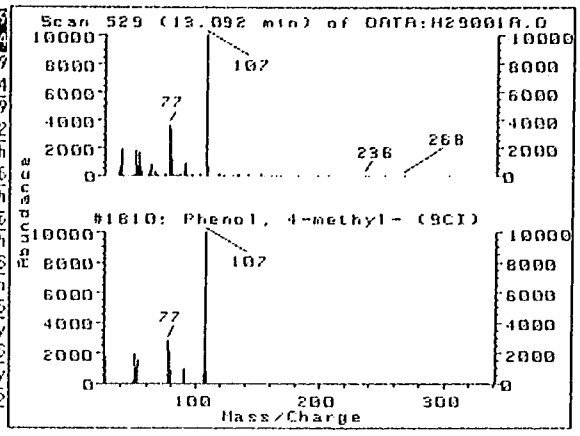
Entry# = 811 CAS Num = 00075-91-2
Company ID Num = NBS 9/85
Mol.Weight = 90.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hydroperoxide, 1,1-dimethylethyl (9CI)

Mol. Formula =
C4H10O2

Misc. Info. =
Pesticides;

2

Phenol, 4-methyl- (9	
00106-44-5	84
Phenol, 3-methyl- (9	
00108-39-4	64
Phenol, 2-methyl- (9	
00095-48-7	42
Pyridine, 2,5-dimeth	
00589-93-5	26
Pyridine, 2,4-dimeth	
00108-47-4	26
Pyridine, 3,4-dimeth	
00583-58-4	26
Pyridine, 3,5-dimeth	
00591-22-0	26
Benzenamine, 3-methy	
00108-44-1	26
Benzenamine, 2-methy	
00095-53-4	25



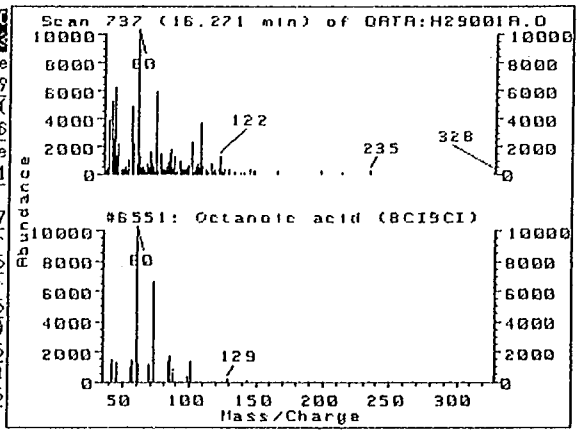
Entry# = 1810 CAS Num = 00106-44-5
Company ID Num = NBS 9/85
Mol.Weight = 108.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 4-methyl- (9CI)

Mol. Formula =
C7H8O

Misc. Info. =
Pesticides;

3

Octanoic acid (8CI)(9C	
00124-07-2	73
Octanoic acid, silve	
24927-67-1	59
Hexanoic acid (DOT)(	
00142-62-1	36
Pentanoic acid, 3-me	
00105-43-1	31
Hexanamide (8CI,9CI)	
00628-02-4	27
2H-1,2-Oxazine, tetr	
15769-90-1	25
2H-1,2-Oxazine, tetr	
15769-89-8	25
Pentanoic acid (9CI)	
00109-52-4	25
Hydrazine, 1,1-dimet	
00057-14-7	25



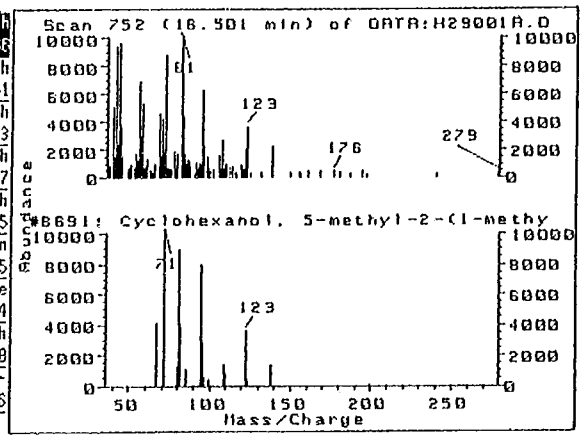
Entry# = 6551 CAS Num = 00124-07-2
Company ID Num = NBS 9/85
Mol.Weight = 144.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Octanoic acid (8CI,9CI)

Mol. Formula =
C8H16O2

Misc. Info. =
Pesticides;

4

Cyclohexanol, 5-meth	
15356-70-4	66
Cyclohexanol, 5-meth	
01490-04-6	51
Cyclohexanol, 5-meth	
00089-78-1	43
Cyclohexanol, 5-meth	
00491-01-0	37
Cyclohexanol, 5-meth	
00490-99-3	35
Bicyclo[4.1.0]heptan	
00554-59-6	35
Cyclohexene, 3-(2-me	
04104-56-7	34
Cyclohexanol, 5-meth	
00491-02-1	28
Bicyclo[3.1.0]hexan-	
00513-20-2	26



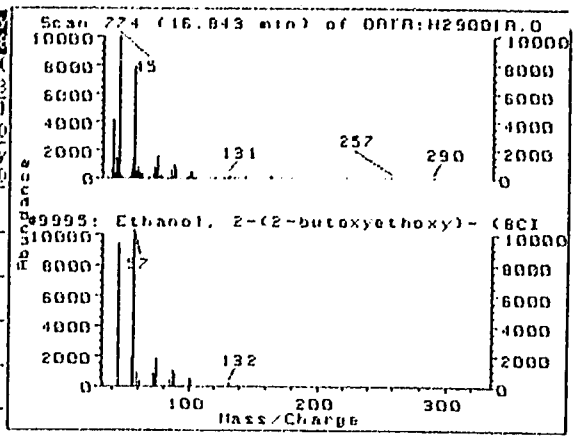
Entry# = 8691 CAS Num = 15356-70-4
Company ID Num = NBS 9/85
Mol.Weight = 156.150 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha
.,2.beta.,5.alpha.)-(.+-.)- (9CI)

Mol. Formula =
C10H20O

Misc. Info. =

5

Ethanol, 2-(2-butoxy
00112-34-5 88
Butane, 1-methoxy- (
00628-28-4 33
2-Propanol (ACN)(9CI
00067-63-0 30
Ethanol, 1-(2-butoxy
54446-78-5 30



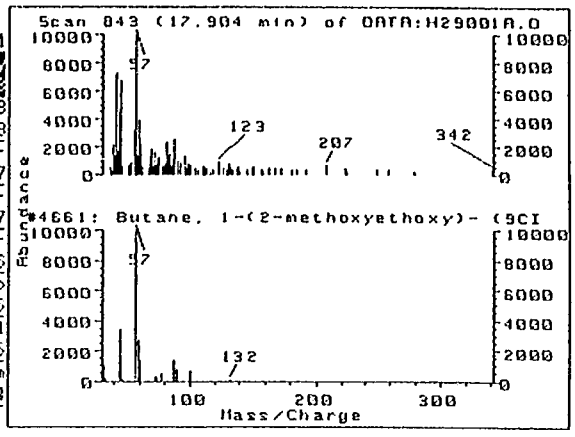
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

6

Hexanamide (8CI9CI)
00628-02-4 41
Butane, 1-(2-methoxy
13343-98-1 33
Silane, triethyl- (8
00617-86-7 28
1-Propene, 2-fluoro-
01184-60-7 27
1-Propene, 3-fluoro-
00818-92-8 27
Acetic acid, ethoxy-
54063-13-7 26
Butanedioic acid, mo
01596-84-5 26
2-Propanol, 1-(1-met
53907-95-2 25
Butanoic acid, 2-(am
04385-95-9 24



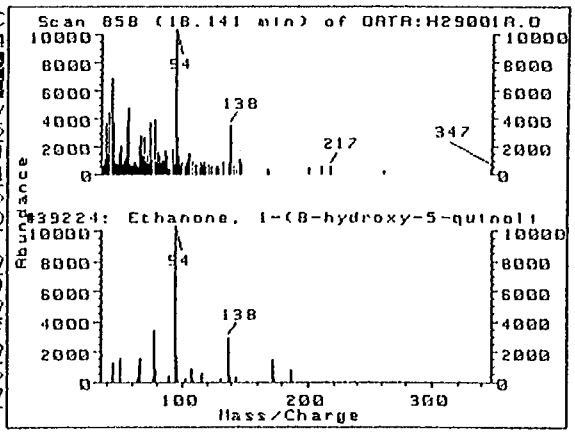
Entry# = 4661 CAS Num = 13343-98-1
Company ID Num = NBS 9/85
Mol.Weight = 132.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-(2-methoxyethoxy)- (9CI)

Mol. Formula =
C7H16O2

Misc. Info. =

7

Phenol (ACN)(DOT)(8C
00108-95-2 54
Ethanone, 1-(8-hydro
57130-91-3 50
Carbamic acid, methy
01943-79-9 45
Pyrimidine, 5-methyl
02036-41-1 31
8-Azabicyclo[3.2.1]o
20513-09-1 30
Ethanol, 2-phenoxy-
00122-99-6 29
2-Pyridinamine (9CI)
00504-29-0 29
Phosphorodiamidous f
01735-82-6 29
Benzene, (3-bromopro
00588-63-6 27



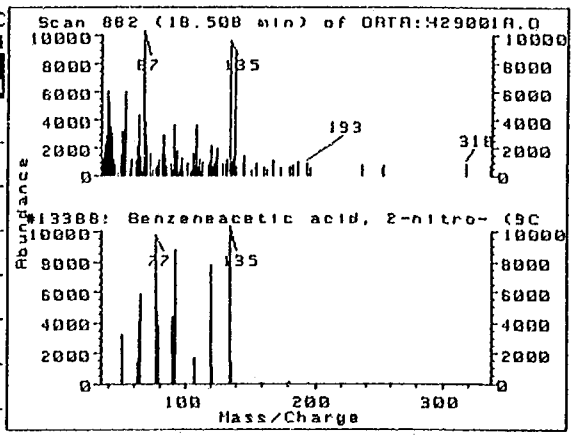
Entry# = 39224 CAS Num = 57130-91-3
Company ID Num = NBS 9/85
Mol.Weight = 472.000 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 1-(8-hydroxy-5-quinolinyl)-, sulfate (2:1
) (salt) (9CI)

Mol. Formula =
C11H9NO2.1/2H2O4S

Misc. Info. =
Alkaloids; Pesticides;

8

Phenol, 3-nitro- (9C
00554-84-7 11
Benzeneacetic acid,
03740-52-1 11



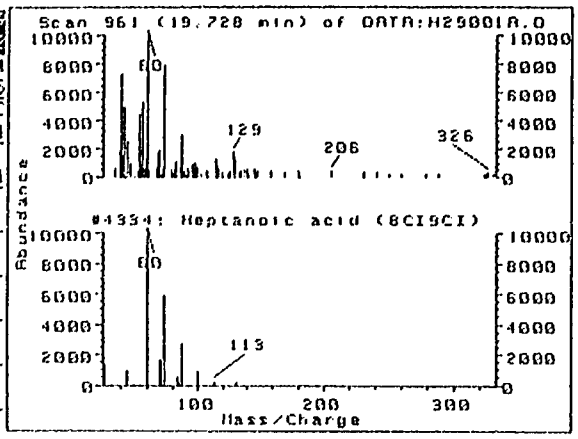
Entry# = 13388 CAS Num = 03740-52-1
Company ID Num = NBS 9/85
Mol.Weight = 181.037 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzeneacetic acid, 2-nitro- (9CI)

Mol. Formula =
C8H7NO4

Misc. Info. =

9

Heptanoic acid (8C19	
00111-14-8	42
1,2,3,5-Cyclohexanet	
53585-08-3	25
Nonanoic acid (8C19C	
00112-05-0	11
Trisilane (8C19Cl)	
07783-26-8	11



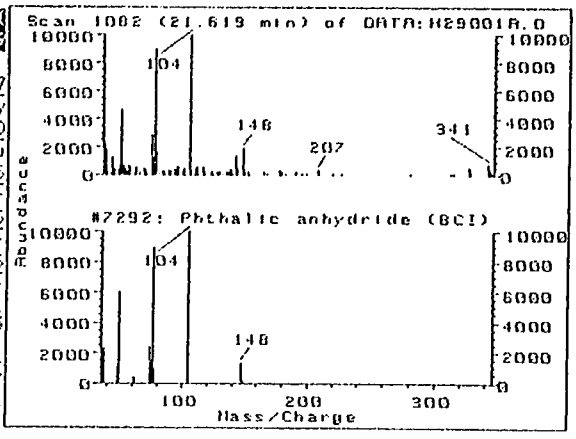
Entry# = 4334 CAS Num = 00111-14-8
Company ID Num = NBS 9/85
Mol.Weight = 130.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Heptanoic acid (8C19Cl)

Mol. Formula =
C7H14O2

Misc. Info. =

10

Phthalic anhydride (	
00085-44-9	89
Ninhydrin	
00485-47-2	67
1,2-Benzenedicarboxy	
00088-99-3	60
Acetonitrile, triflu	
00353-85-5	25
1-Propene, 2-chloro-	
00557-98-2	15
Silanamine, N-silyl-	
05702-11-4	15
1-Propene, 3-chloro-	
00107-05-1	11
2-Butynedinitrile (9	
01071-90-3	11
Acetonitrile, chloro	
00421-05-6	11



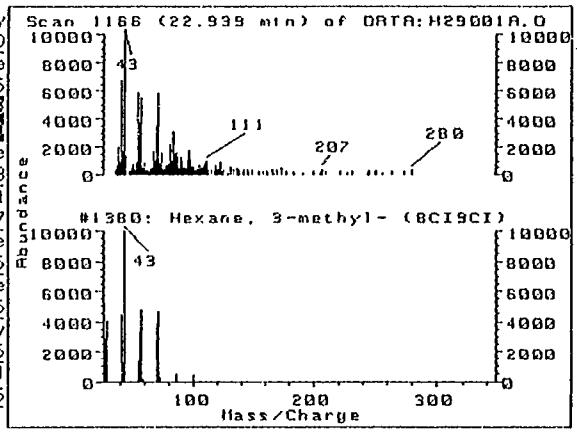
Entry# = 7292 CAS Num = 00085-44-9
Company ID Num = NBS 9/85
Mol.Weight = 148.015 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phthalic anhydride (8CI)

Mol. Formula =
C8H4O3

Misc. Info. =
Carbohydrates; Pesticides;

11

Cyclooctane, methoxy	
13213-32-6	40
Propanoic acid, 2-me	
00097-72-3	35
Hexane, 3-methyl- (8	
00589-34-4	30
Propanoic acid, 2-me	
74367-33-2	28
Butanoic acid, 2-met	
00539-90-2	27
Methylamine, N-(1-me	
18641-72-0	25
Heptane, 2,5,5-trime	
01189-99-7	25
Pentane, 3,3-dimethy	
00562-49-2	25
1-Pentanol, 2-methyl	
00105-30-6	25



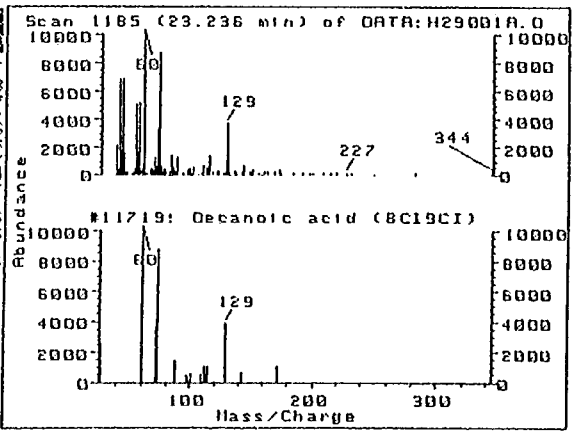
Entry# = 1380 CAS Num = 00589-34-4
Company ID Num = NBS 9/85
Mol.Weight = 100.124 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexane, 3-methyl- (8C19Cl)

Mol. Formula =
C7H16

Misc. Info. =

12

Decanoic acid (8C19C	
00334-48-5	70
Glycine, N-methyl-N-	
00097-78-9	43
Hexanoic acid (DOT)(	
00142-62-1	36
Nonanoic acid (8C19C	
00112-05-0	34
Butanoic acid (9Cl)	
00107-92-6	26
Heptanoic acid (8C19	
00111-14-8	26
L-Lyxose (9Cl)	
01949-78-6	15



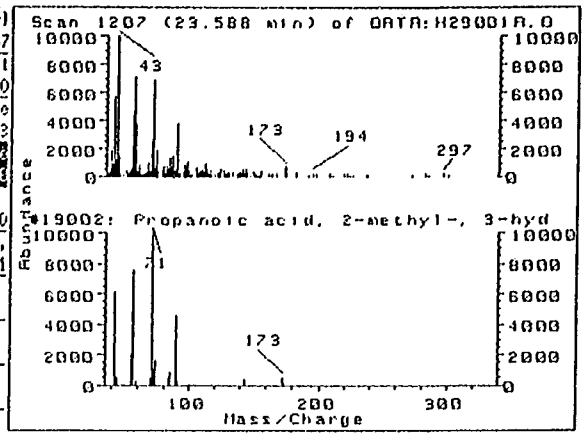
Entry# = 11719 CAS Num = 00334-48-5
Company ID Num = NBS 9/85
Mol.Weight = 172.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Decanoic acid (8C19Cl)

Mol. Formula =
C10H20O2

Misc. Info. =

13

Butanoic acid, butyl	
00109-21-7	67
Butanoic acid, 1-met	
00819-97-6	60
Propanoic acid, 2-me	
00097-87-0	43
Propanoic acid, 2-me	
74367-34-3	**38**
Tetradecanoic acid,	
02507-55-3	20
Methanethioamide, N,	
00758-16-7	11



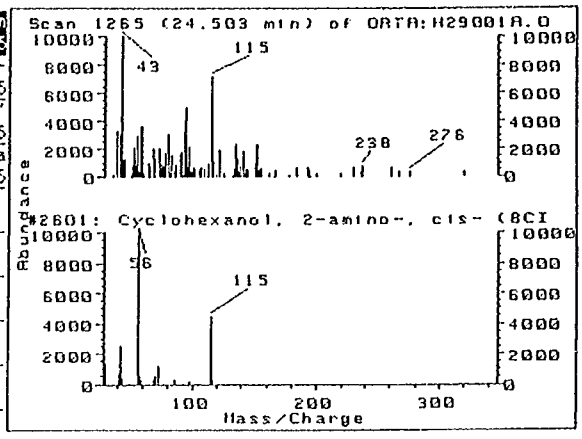
EntryN = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 97/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester (9CI)

Mol. Formula =
C12H2403

Misc. Info. =

14

Cyclohexanol, 2-amin	
00931-15-7	**15**
Bicyclo[3.3.1]nonan-	
54703-59-2	15
Guanidine, N,N,N',N'	
00080-70-6	15
Butane, 1-isothiocya	
00592-82-5	15



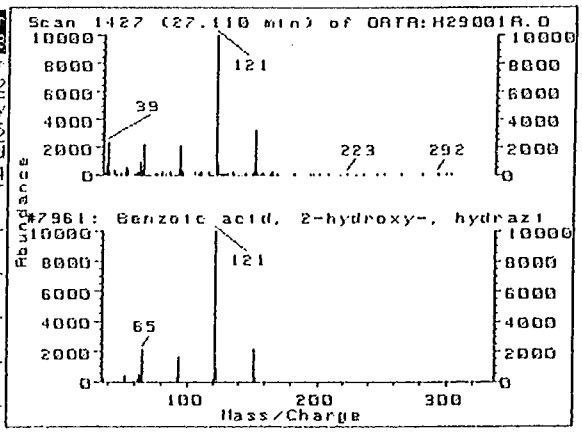
EntryN = 2601 CAS Num = 00931-15-7
Company ID Num = NBS 97/85
Mol.Weight = 115.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanol, 2-amino-, cis- (8CI9CI)

Mol. Formula =
C6H13NO

Misc. Info. =

15

Benzoic acid, 2-hydr	
00936-02-7	**73**
Benzoic acid, 4-hydr	
05351-23-5	62
1-Pentanone, 1-(4-hy	
02589-71-1	35
1-Butanone, 1-(4-hyd	
01009-11-6	34



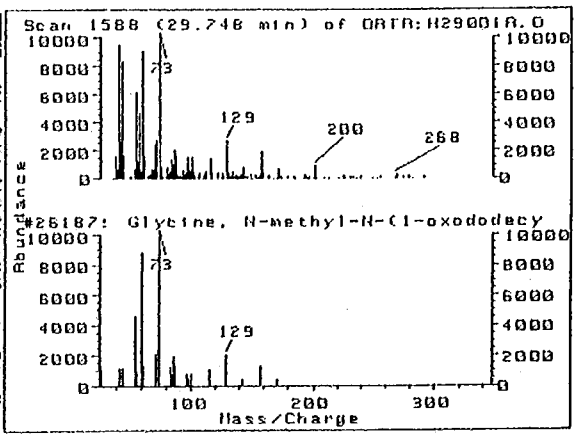
EntryN = 7961 CAS Num = 00936-02-7
Company ID Num = NBS 97/85
Mol.Weight = 152.058 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 2-hydroxy-, hydrazide (9CI)

Mol. Formula =
C7H8N202

Misc. Info. =

16

Glycine, N-methyl-N-	
00097-78-9	**93**
Dodecanamide, N,N-bi	
00120-40-1	83
Dodecanoic acid (9CI	
00143-07-7	79
Octanoic acid (8CI9C	
00124-07-2	65
Butyraldehyde, semic	
13183-21-6	52
Pentadecanoic acid (	
01002-84-2	43
Hexadecanoic acid (9	
00057-10-3	41
Isoxazolidine, 4-eth	
56701-01-0	30
Pentanoic acid (9CI)	
00109-52-4	28



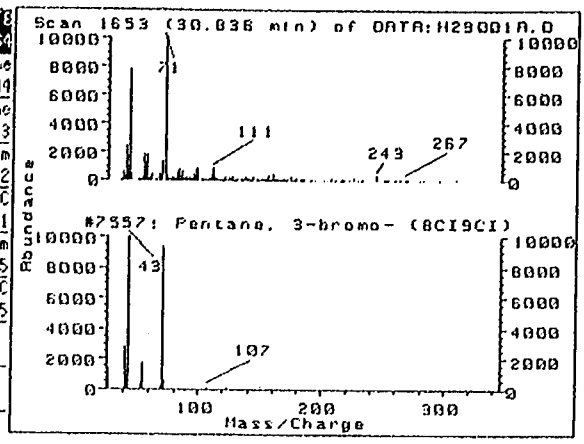
EntryN = 26187 CAS Num = 00097-78-9
Company ID Num = NBS 97/85
Mol.Weight = 271.214 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Glycine, N-methyl-N-(1-oxododecyl)- (9CI)

Mol. Formula =
C15H29N03

Misc. Info. =
Amino Acids;

17

Pentane, 3-bromo- (8	
01809-10-5	64
Methylamine, N-(1-me	
22058-71-5	44
Butane, 2-bromo-2-me	
00507-36-8	43
Heptane, 3-ethyl-5-m	
52896-90-9	42
3-Penten-2-ol (8C19C	
01569-50-2	41
1-Hexene, 3,4,5-trim	
56728-10-0	15
Octane, 3-ethyl- (8C	
05881-17-4	15



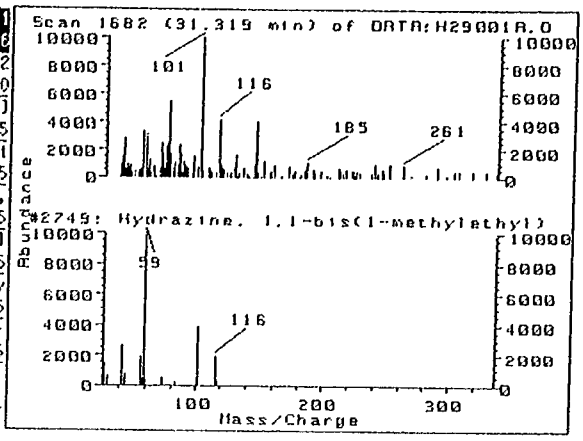
Entry# = 7557 CAS Num = 01809-10-5
Company ID Num = NBS 9/85
Mol.Weight = 150.004 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Pentane, 3-bromo- (8CI9CI)

Mol. Formula =
C5H11Br

Misc. Info. =

18

Hydrazine, 1,1-bis(1	
00921-14-2	38
Hydrazine, 1,1-bis(2	
16596-38-6	30
Tricyclo[3.2.1.02,4]	
66929-95-1	25
Hydrazine, 1,1-dibut	
07422-80-2	25
Cyclopentane, 1,2,3,	
30077-15-7	25
1-Propanol, 2-methyl	
54004-45-4	25
Propane, 1-isothiocy	
00628-30-8	25
3H-1,2,4-Triazole-3-	
03179-31-5	25



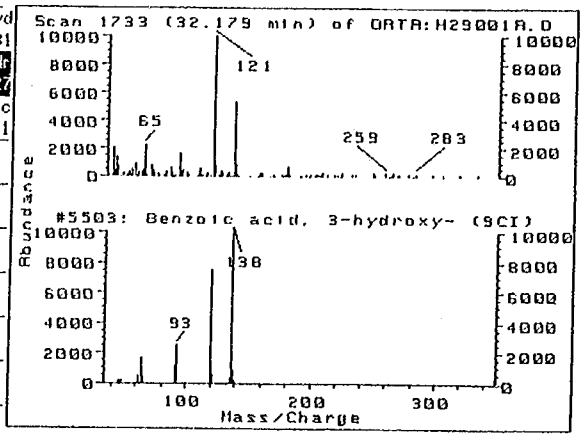
Entry# = 2749 CAS Num = 00921-14-2
Company ID Num = NBS 9/85
Mol.Weight = 116.131 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hydrazine, 1,1-bis(1-methylethyl)- (9CI)

Mol. Formula =
C6H16N2

Misc. Info. =

19

1-Butanone, 1-(4-hyd	
01009-11-6	31
Benzoic acid, 3-hydr	
00099-06-9	27
3-Pyridinecarboxylic	
03167-49-5	11



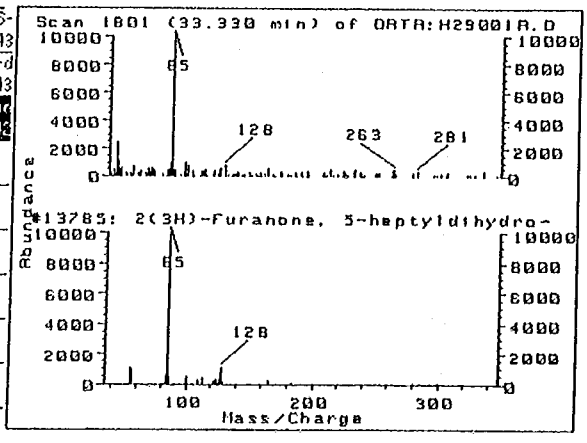
Entry# = 5503 CAS Num = 00099-06-9
Company ID Num = NBS 9/85
Mol.Weight = 138.031 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 3-hydroxy- (9CI)

Mol. Formula =
C7H6O3

Misc. Info. =

20

2-Norpinanol, 3,6,6-	
29548-09-2	43
1,5-Heptadiene-3,4-d	
22607-16-5	43
2(3H)-Furanone, 5-hr	
00104-67-6	42



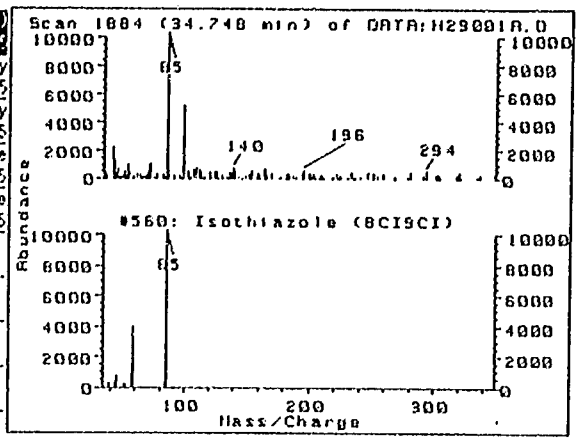
Entry# = 13785 CAS Num = 00104-67-6
Company ID Num = NBS 9/85
Mol.Weight = 184.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(3H)-Furanone, 5-heptyldihydro- (8CI9CI)

Mol. Formula =
C11H20O2

Misc. Info. =

21

Isothiazole (8CI9CI)	
00288-16-4	56
2(3H)-Furanone, dihy	
18679-18-0	25
2(3H)-Furanone, dihy	
15456-69-6	25
2(3H)-Furanone, 5-he	
00706-14-9	25
2(3H)-Furanone, 5-he	
00104-67-6	25



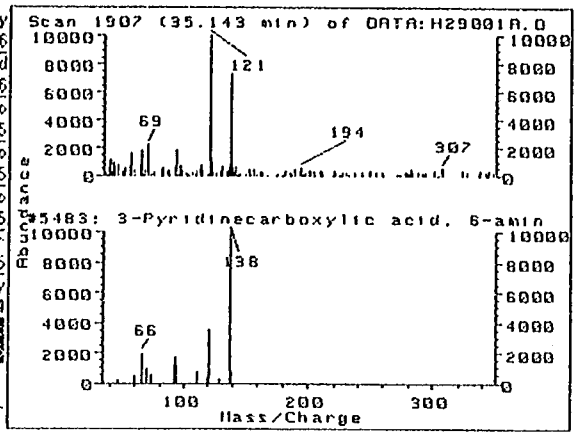
Entry# = 560 CAS Num = 00288-16-4
Company ID Num = NBS 9/85
Mol.Weight = 84.998 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Isothiazole (8CI9CI)

Mol. Formula =
C3H3NS

Misc. Info. =

22

1-Propanone, 1-(4-hy	
00070-70-2	26
1-Butanone, 1-(4-hyd	
01009-11-6	26
Benzonitrile, 3-fluo	
00403-54-3	25
Benzonitrile, 4-fluo	
01194-02-1	25
Benzonitrile, 2-fluo	
00394-47-8	25
Benzoic acid, 3-hydr	
00099-06-9	25
1-Pentanone, 1-(4-hy	
02589-71-1	24
3-Pyridinecarboxylic	
03167-49-5	18



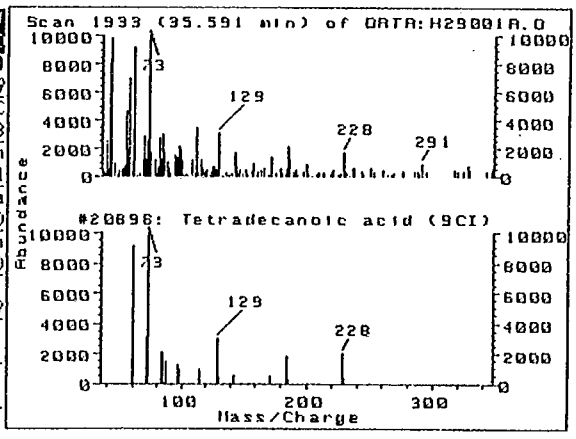
Entry# = 5483 CAS Num = 03167-49-5
Company ID Num = NBS 9/85
Mol.Weight = 138.042 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Pyridinecarboxylic acid, 6-amino- (9CI)

Mol. Formula =
C6H6N2O2

Misc. Info. =
Alkaloids;

23

Tetradecanoic acid (	
00544-63-8	70
Undecanoic acid (8CI	
00112-37-8	69
Octanoic acid (8CI)9C	
00124-07-2	33
.alpha.-D-Glucopyran	
00099-20-7	31
Cyclopentaneacetic a	
01123-00-8	30
Isoxazolidine, 5-eth	
56728-14-4	30
Pentadecanoic acid,	
56523-59-2	29



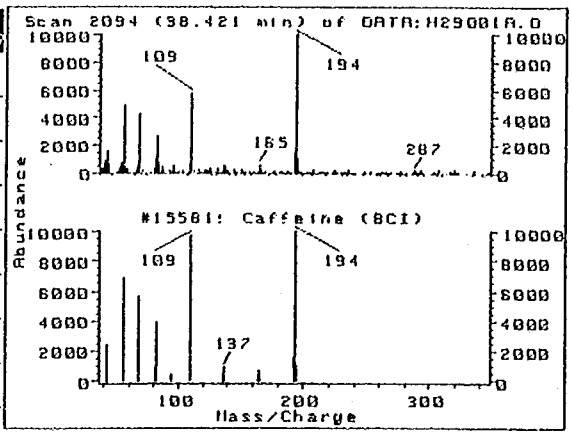
Entry# = 20896 CAS Num = 00544-63-8
Company ID Num = NBS 9/85
Mol.Weight = 228.208 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Tetradecanoic acid (9CI)

Mol. Formula =
C14H28O2

Misc. Info. =
Fatty acids and Lipids; Pesticides;

24

Caffeine (8CI)	
00058-08-2	69



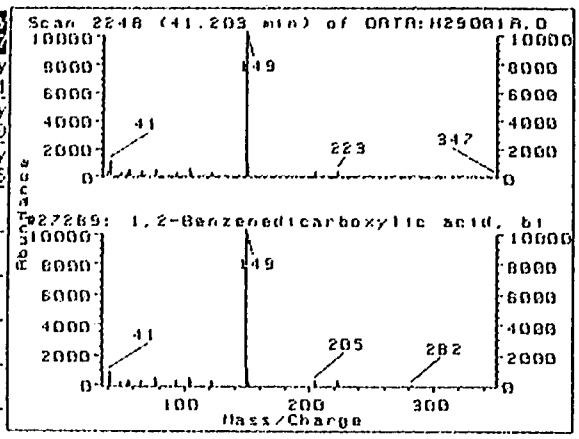
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

25

1,2-Benzenedicarboxy	
00117-82-8	87
1,2-Benzenedicarboxy	
00685-69-8	71
1,2-Benzenedicarboxy	
17851-53-5	30
1,2-Benzenedicarboxy	
00069-19-0	25



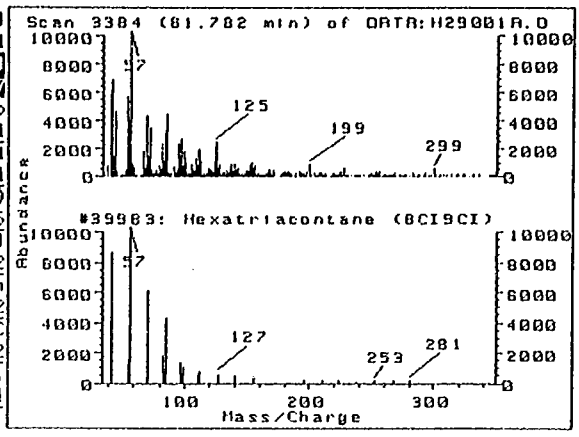
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) e
ster (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

26

Decane, 1-iodo- (8C	
02050-77-3	51
Hexatriacontane (8C	
00630-06-8	47
Ethanol, 2-(dodecylo	
04536-30-5	41
Butanoic acid, 3-met	
02835-39-4	41
Heptacosane (8CI9CI)	
00593-49-7	35
Hexane, 2,4-dimethyl	
00589-43-5	32
Undecane, 2,4-dimeth	
17312-80-0	32
Pentatriacontane (8C	
00630-07-9	32
Furan, tetrahydro-2,	
39168-01-9	31



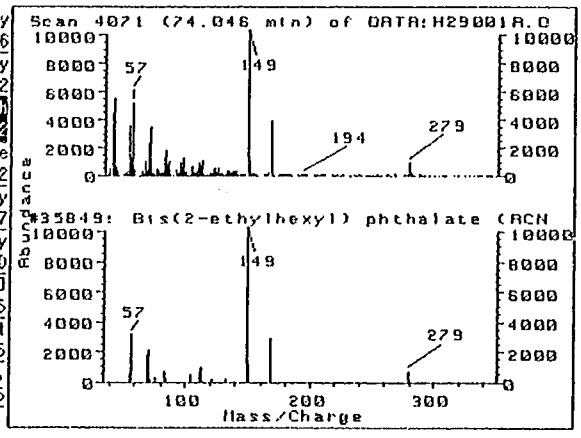
Entry# = 39983 CAS Num = 00630-06-8
Company ID Num = NBS 9/85
Mol.Weight = 506.577 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexatriacontane (8CI9CI)

Mol. Formula =
C36H74

Misc. Info. =

27

1,2-Benzenedicarboxy	
00603-11-2	66
1,2-Benzenedicarboxy	
27554-26-3	52
Bis(2-ethylhexyl) ph	
00117-81-7	52
4-Pyridinecarboxalde	
00066-72-8	52
1,2-Benzenedicarboxy	
00117-82-8	47
1,2-Benzenedicarboxy	
00065-69-8	30
1H-s-Triazolo[1,5-a]	
13980-64-8	25
Benzothiazole, 2-met	
00120-75-2	25
1,2-Benzisothiazole,	
06187-89-9	25



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

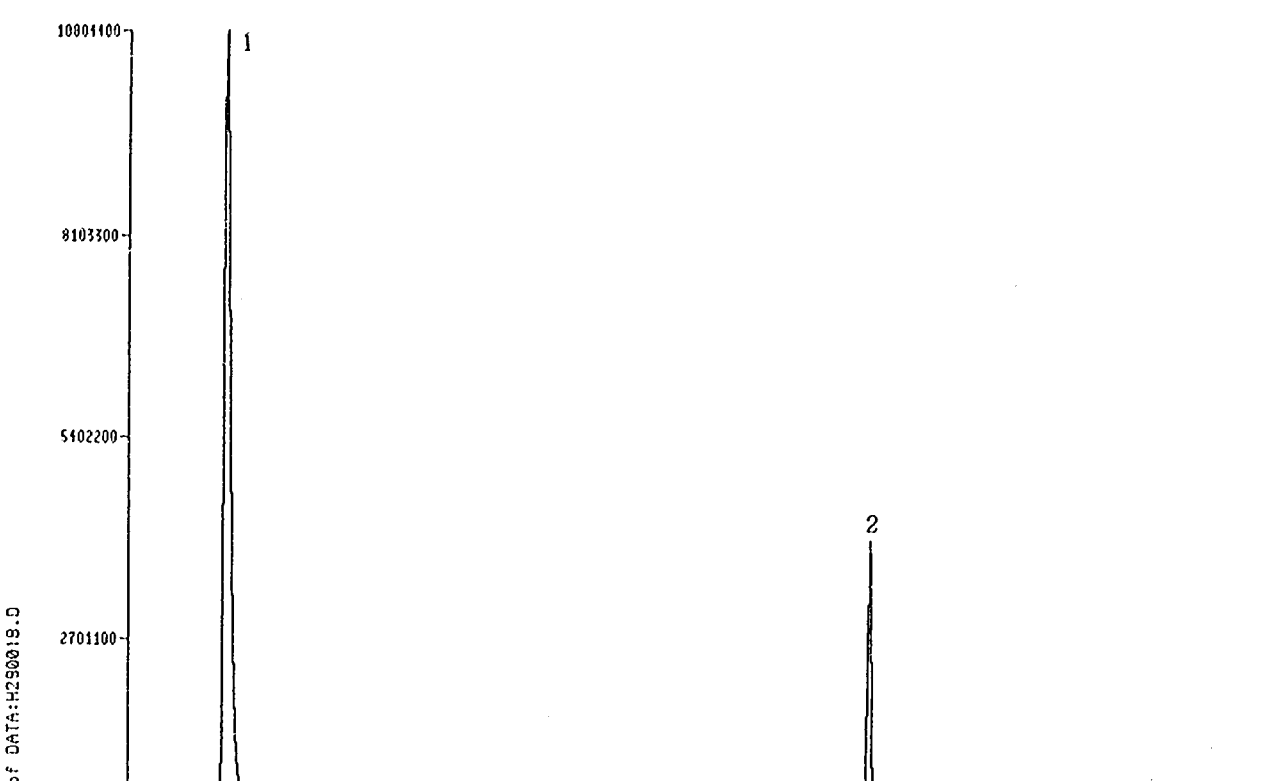
Misc. Info. =
Pesticides; Priority Pollutants;

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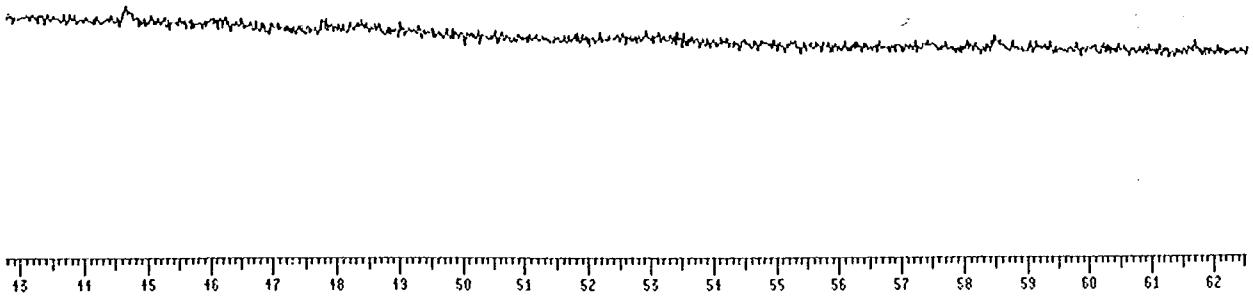
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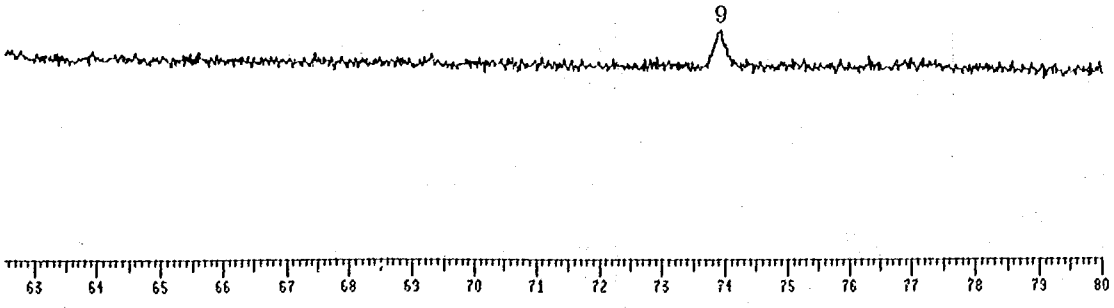
H29001B

No	N a m e
1	unknown
2	Ethanol, 2-(2-butoxyethoxy)-
3	3,6,9,12-Tetraoxahexadecan-1-ol
4	2,5,8,11,14-Pentaoxapentadecane
5	unknown
6	Caffeine
7	unknown
8	1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester
9	Bis(2-ethylhexyl) phthalate


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5402200
2701100
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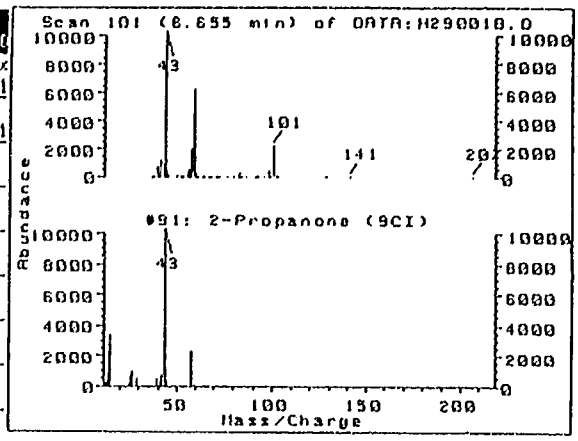




End of plot. Time = 5.13 to 80.00 minutes Chart speed = 1.24 cm/min

1

2-Propanone (9CI)	
00067-64-1	3(
2-Butanone, 3-hydrox	
00115-22-0	11
Acetamide (8CI9CI)	
00060-35-5	11



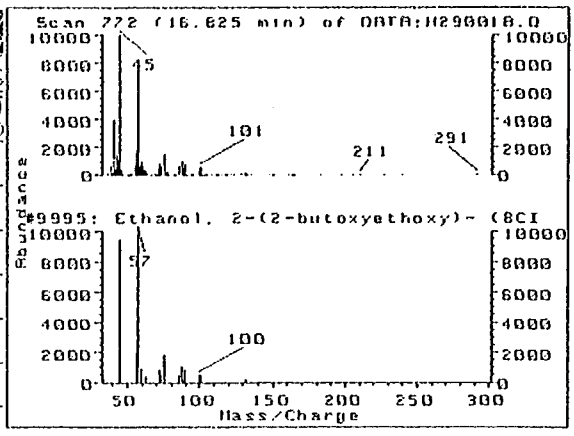
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

2

Ethanol, 2-(2-butoxy	
00112-34-5	6(
Butane, 1-methoxy- (	
00628-28-4	32
2-Propanol (ACN)(9CI	
00067-63-0	30



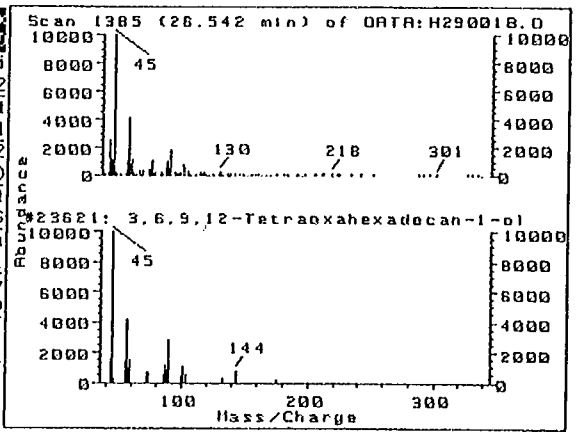
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

3

3,6,9,12-Tetraoxahex	
01559-34-8	6(
Ethanol, 2,2'-[oxybi	
00112-60-7	42
Ethanol, 2-[2-(2-but	
00143-22-6	41
Propane, 1-methoxy-2	
00625-44-5	40
3-Hexanol, 2,3-dimet	
04166-46-5	36
3,6,9,12,15-Pentaoxa	
01786-94-3	31
Propanoic acid, 2-hy	
02155-30-8	30



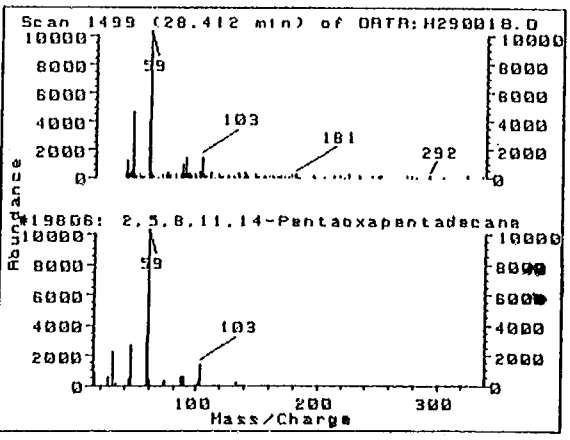
Entry# = 23621 CAS Num = 01559-34-8
Company ID Num = NBS 9/85
Mol.Weight = 250.177 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3,6,9,12-Tetraoxahexadecan-1-ol (8CI9CI)

Mol. Formula =
C12H26O5

Misc. Info. =
Carbohydrates;

4

2,5,8,11,14-Pentaoxa	
00143-24-8	52
Ethane, 1,1'-oxybis[	
00111-96-6	52
2-Butanol, 1-methoxy	
53778-73-7	52
Ethene, (2-ethoxy-1-	
54063-18-2	36
Butane, 2-methoxy-3-	
62016-49-3	25
Ethene, (2-methoxyet	
01663-35-0	25
Pentanal, oxime (9CI)	
00628-79-5	15
1-Propanol, 2-ethoxy	
19089-47-5	11



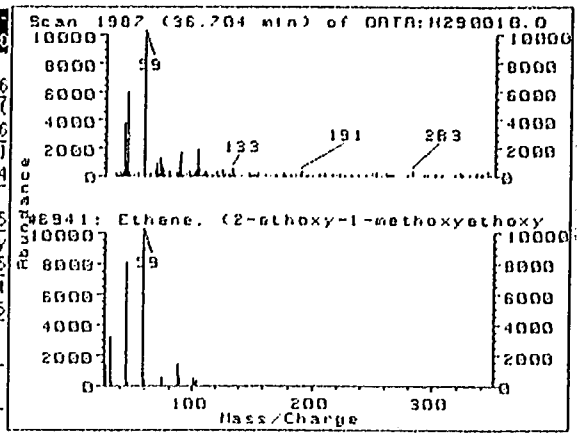
Entry# = 19806 CAS Num = 00143-24-8
Company ID Num = NBS 9/85
Mol.Weight = 222.146 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11,14-Pentaoxapentadecane (8CI9CI)

Mol. Formula =
C10H22O5

Misc. Info. =
Carbohydrates;

5

Ethene, (2-ethoxy-1-	
54063-18-2	60
Butanamide (9CI)	
00541-35-5	26
Ethanol, 2-ethoxy- (	
00110-80-5	26
Butanamide, 3-methyl	
00541-46-8	24
Formamide, N-butyl-	
00871-71-6	15
Silane, ethyldimethy	
00758-21-4	15
Ethene, (2-methoxyet	
01663-35-0	15



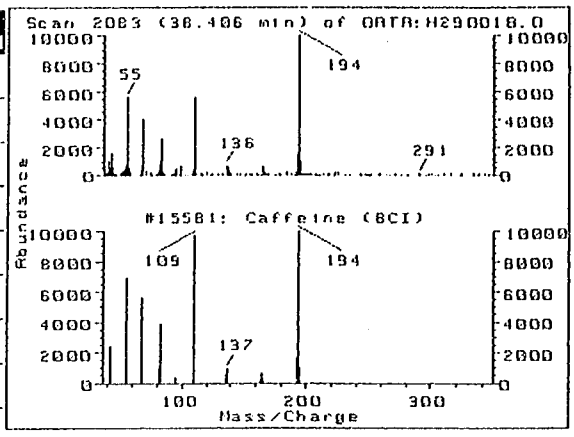
Entry# = 6941 CAS Num = 54063-18-2
Company ID Num = NBS 9/85
Mol.Weight = 146.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethene, (2-ethoxy-1-methoxyethoxy)- (9CI)

Mol. Formula =
C7H14O3

Misc. Info. =

6

Caffeine (8CI)	
00058-08-2	81



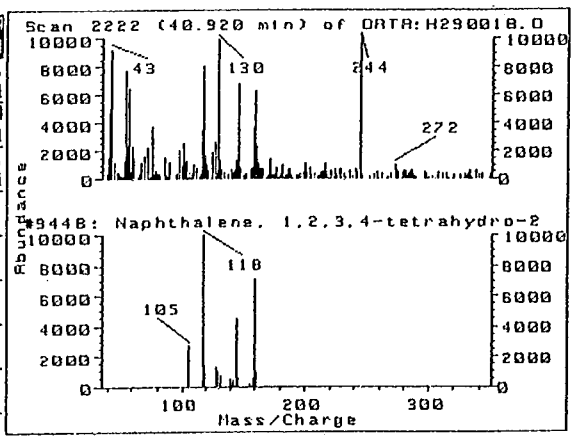
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

7

Naphthalene, 1,2,3,4	
07524-63-2	11
1(2H)-Naphthalenone,	
00529-34-0	11
Naphthalene, 1,2,3,4	
13065-07-1	11
1(2H)-Naphthalenone,	
14944-23-1	11



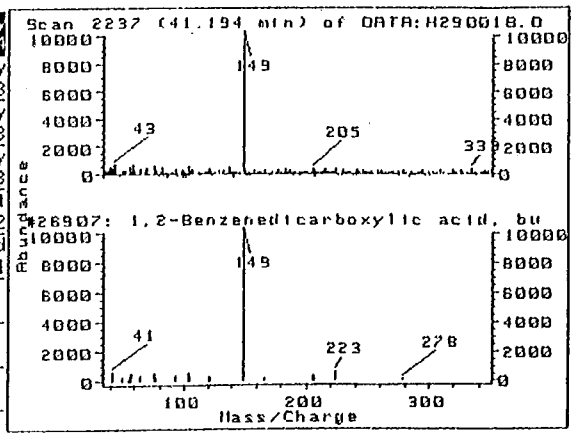
Entry# = 9448 CAS Num = 07524-63-2
Company ID Num = NBS 9/85
Mol.Weight = 160.124 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 1,2,3,4-tetrahydro-2,6-dimethyl- (8CI,9CI)

Mol. Formula =
C12H16

Misc. Info. =

8

1,2-Benzenedicarboxy	
17851-53-5	64
1,2-Benzenedicarboxy	
00084-64-0	43
1,2-Benzenedicarboxy	
00117-82-8	43
1,2-Benzenedicarboxy	
03648-21-3	43
Benzene, 1-isocyanat	
18908-07-1	42
Carbamodithioic acid	
16696-88-1	41



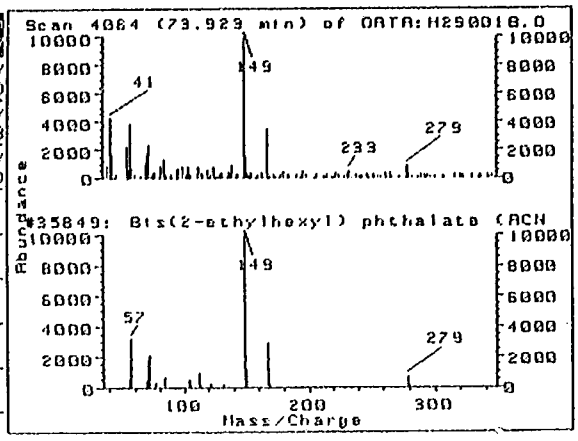
Entry# = 26907 CAS Num = 17851-53-5
Company ID Num = NBS 9/85
Mol.Weight = 278.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester (9CI)

Mol. Formula =
C16H22O4

Misc. Info. =

9

Bis(2-ethylhexyl) ph	
00117-81-7	67
1,2-Benzenedicarboxy	
27554-26-3	60
1,2-Benzenedicarboxy	
00603-11-2	58
1,2-Benzenedicarboxy	
00085-69-8	30



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

Misc. Info. =
Pesticides; Priority Pollutants;

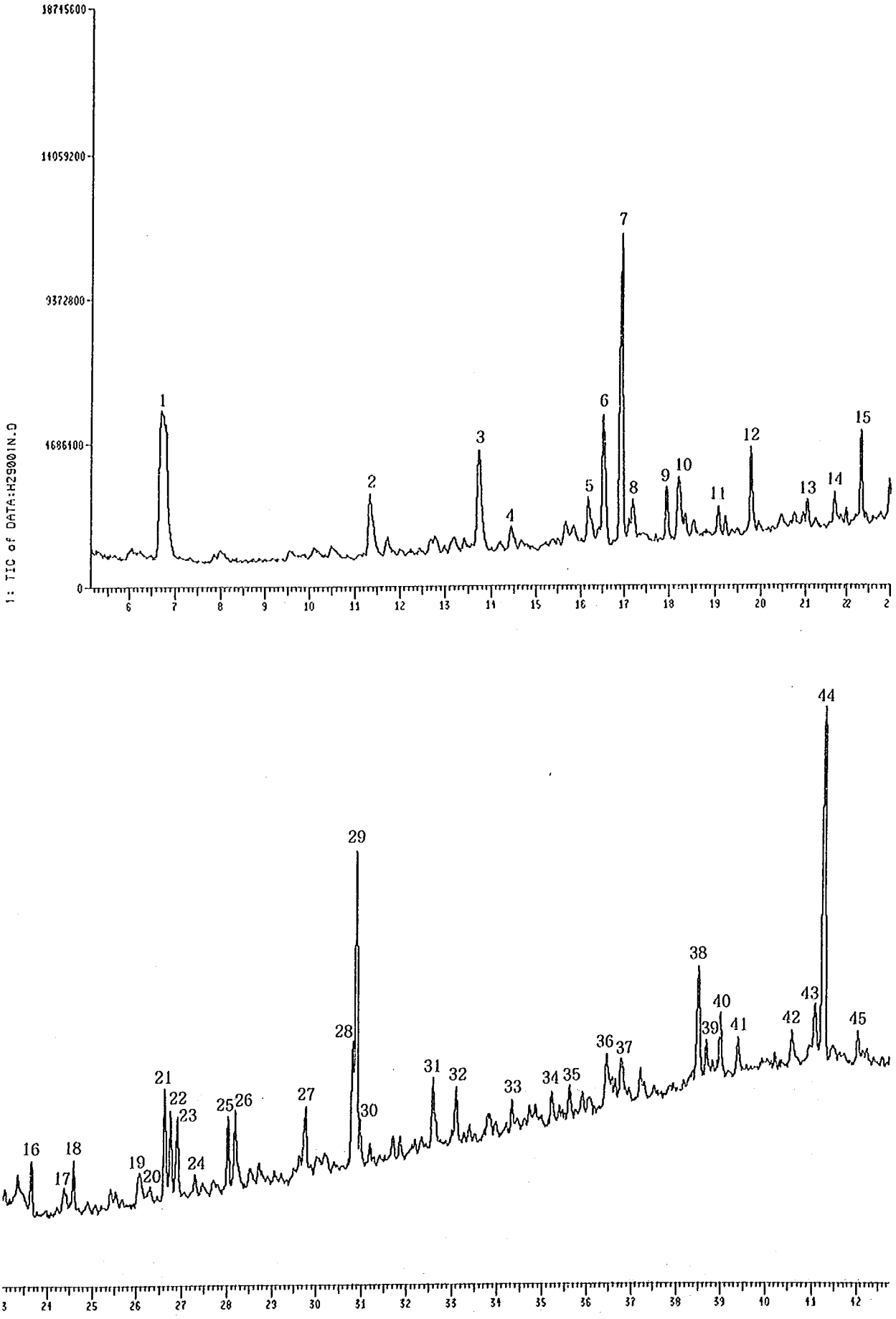
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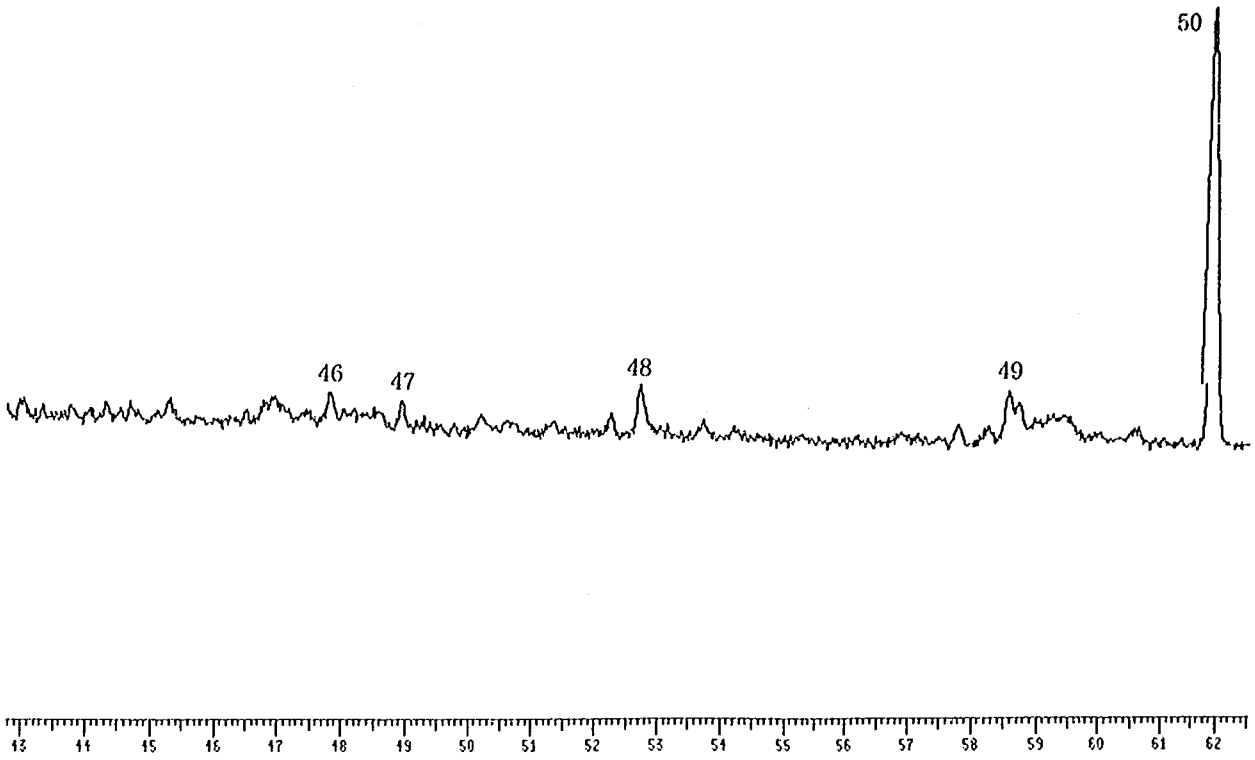
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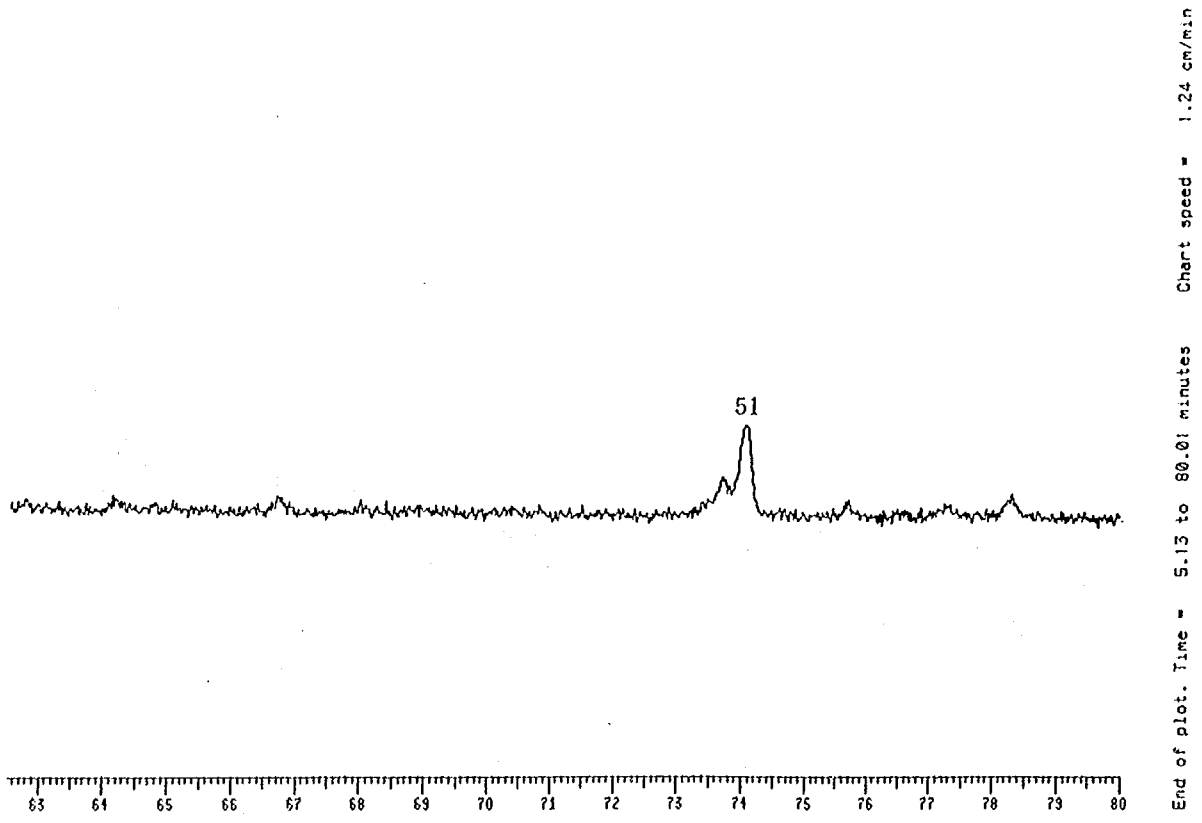
H29001N

No	化合物名
1	unknown
2	unknown
3	Benzoic acid, methyl ester
4	Benzeneethanol
5	Nonanol
6	unknown
7	Ethanol, 2-(2-butoxyethoxy)-
8	unknown
9	Butane, 1-(2-methoxyethoxy)-
10	unknown
11	2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-, (S)-
12	Cyclopropane, 1-heptyl-2-methyl-
13	Naphthalene, 1-methyl-
14	unknown
15	1,2,3-Propanetriol, triacetate
16	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester
17	1H-Indole, 6-methyl-
18	unknown
19	unknown
20	unknown
21	Triethylene glycol
22	Cyclopropane, nonyl-
23	unknown
24	unknown
25	1-Propanol, 2-(2-hydroxypropoxy)-
26	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]-
27	Dodecanoic acid
28	Diethyl phthalate
29	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl--1,3-propanediyl ester
30	unknown
31	unknown
32	unknown
33	unknown
34	3,6,9,12-Tetraoxahexadecan-1-ol
35	unknown
36	2,4,6,8-Tetrathiatricyclo[3.3.1.13,7]decane-1-thiol, 3,5-dimethyl-, (.+-.)-
37	unknown
38	Caffeine
39	unknown
40	unknown
41	Ethanone, 2,2-dimethoxy-1,2-diphenyl-
42	unknown
43	unknown
44	1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester
45	unknown
46	unknown
47	unknown

48	unknown
49	unknown
50	unknown
51	Bis(2-ethylhexyl) phthalate

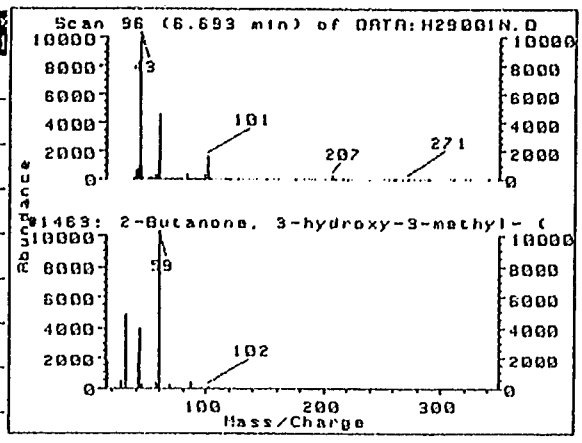

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End of plot. Time = 5.13 to 80.01 minutes Chart speed = 1.24 cm/min

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2-Butanone, 3-hydrox
00115-22-0 11



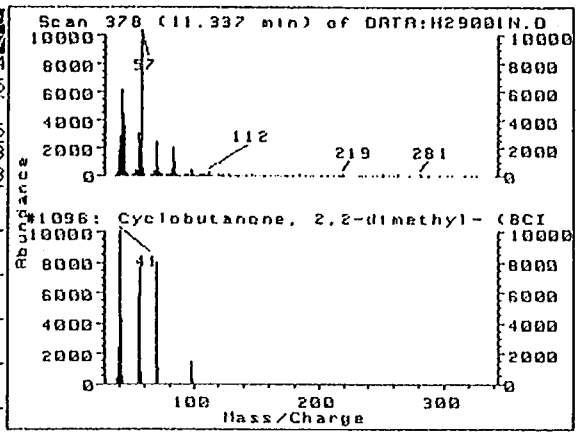
Entry# = 1463 CAS Num = 00115-22-0
Company ID Num = NBS 9/85
Mol.Height = 102.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanone, 3-hydroxy-3-methyl- (8C19C1)

Mol. Formula =
C5H10O2

Misc. Info. =

2

Cyclobutanone, 2,2-d
01192-14-9 17
1,3,2-Dioxaborolan-4
74646-12-1 15
Furan, 2,5-dihydro-
01708-29-8 15
Cyclobutanone, 2,3,3
28290-01-9 13



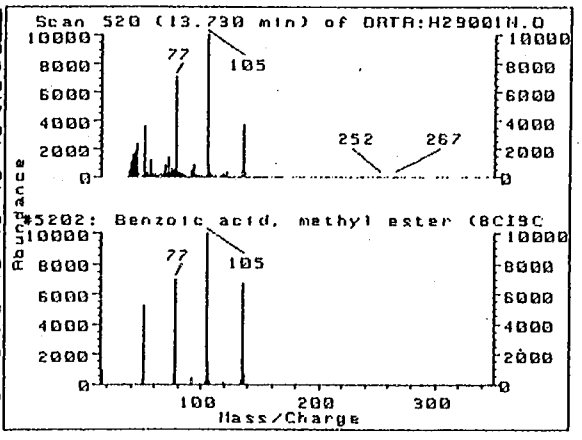
Entry# = 1096 CAS Num = 01192-14-9
Company ID Num = NBS 9/85
Mol.Height = 98.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclobutanone, 2,2-dimethyl- (8C19C1)

Mol. Formula =
C6H10O

Misc. Info. =

3

Benzoic acid, methyl
00093-58-3 25
Benzaldehyde, 3-amin
02835-66-7 20
4H-Pyrazolo[3,4-d]py
00315-30-0 20
6H-Purin-6-one, 1,7-
00068-94-0 20
Phenol, 2,4,5-trimet
00496-78-6 20
Phenol, 3,4,5-trimet
00527-54-8 20
Phenol, 2,4,6-trimet
00527-60-6 20
7H-Pyrazolo[4,3-d]py
13877-55-9 20
Phenol, 2,3,6-trimet
02416-94-6 20



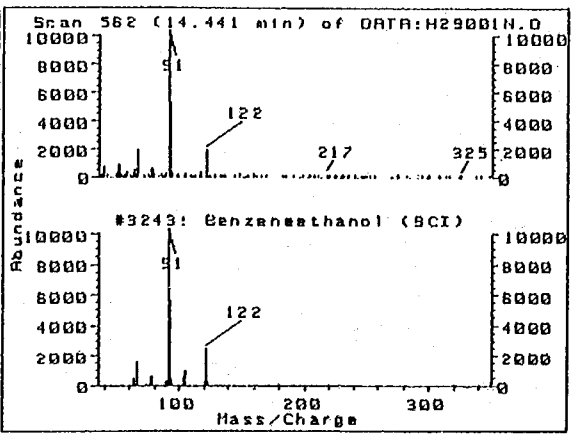
Entry# = 5202 CAS Num = 00093-58-3
Company ID Num = NBS 9/85
Mol.Height = 136.052 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, methyl ester (8C19C1)

Mol. Formula =
C8H8O2

Misc. Info. =

4

Benzeneethanol (9C1)
00060-12-8 41
Cyclobutene, 2-prope
52097-85-5 32
1,3,5-Cycloheptatrie
00544-25-2 31
1,5-Heptadien-3-yne
03511-27-1 30
Benzene, methyl- (9C
00108-88-3 28
Tricyclo[3.2.2.02,4]
62249-53-0 28
Bicyclo[3.1.0]hexan-
00471-16-9 26



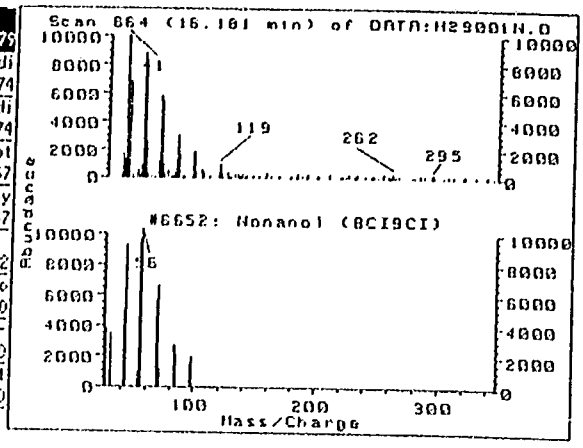
Entry# = 3243 CAS Num = 00060-12-8
Company ID Num = NBS 9/85
Mol.Height = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzeneethanol (9C1)

Mol. Formula =
C8H10O

Misc. Info. =
Drugs; Misc. Natural products; Pesticides;

5

Nonanol (8CI9CI)	
28473-21-4	79
Cyclopentane, 1,2-di	
00822-50-4	74
Cyclopentane, 1,2-di	
01192-18-3	74
Cyclopropane, 1-hept	
74663-91-5	67
Cyclopropane, 1-ethy	
74663-86-8	67
1-Heptene (8CI9CI)	
00592-76-7	62
2H-Pyran-2,6(3H)-dio	
04160-82-1	60
Cyclopropane, butyl-	
00930-57-4	60
1-Pentene, 3,4-dimet	
07385-78-6	60



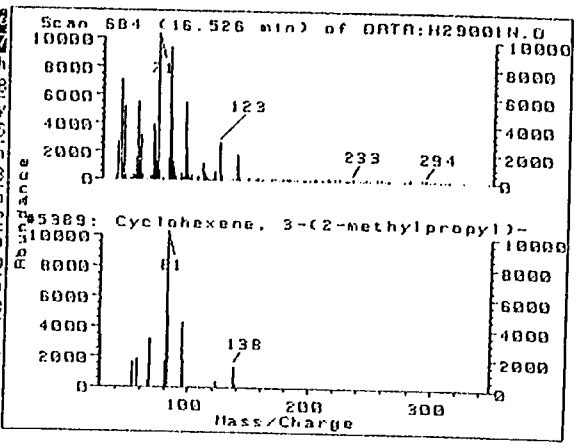
Entry# = 6652 CAS Num = 28473-21-4
Company ID Num = NBS 9/85
Mol.Weight = 144.150 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Nonanol (8CI9CI)

Mol. Formula =
C9H20O

Misc. Info. =

6

Cyclohexene, 3-(2-me	
04104-56-7	67
Cyclohexanol, 1-meth	
21129-27-1	58
Cyclohexane, 1-methy	
01879-07-8	46
Cyclohexanol, 5-meth	
15356-70-4	43
Cyclopentane, 1-meth	
74764-47-9	32
Cyclohexanol, 5-meth	
00490-99-3	30
Bicyclo[3.1.1]heptan	
00473-55-2	28
Bicyclo[3.1.0]hexan-	
00513-20-2	25
3-Octyne, 2,2-dimeth	
19482-57-6	25



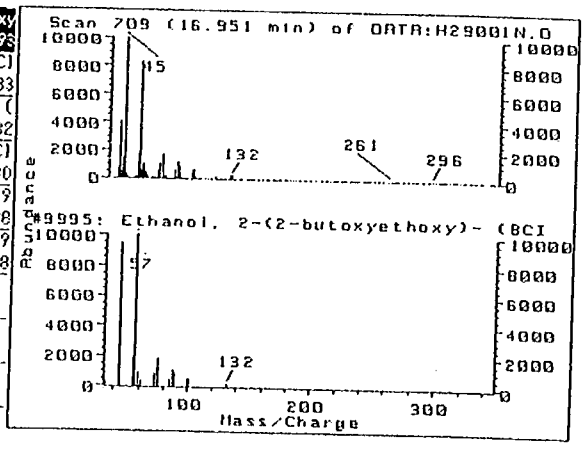
Entry# = 5389 CAS Num = 04104-56-7
Company ID Num = NBS 9/85
Mol.Weight = 138.140 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexene, 3-(2-methylpropyl)- (9CI)

Mol. Formula =
C10H18

Misc. Info. =

7

Ethanol, 2-(2-butoxy	
00112-34-5	93
2-Propanol (ACN)(9CI	
00067-63-0	33
Butane, 1-methoxy- (	
00628-28-4	32
1,2-Propanediol (8CI	
00057-55-6	30
1,3-Butanediol (8CI9	
00107-88-0	28
2,3-Butanediol (8CI9	
00513-85-9	28



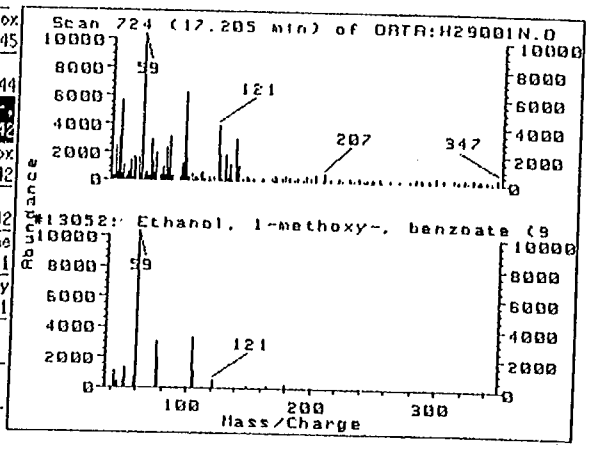
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

8

1-Propanol, 2-methox	
01589-47-5	45
Guanidine (8CI9CI)	
00113-00-8	44
Ethanol, 1-methoxy-,	
51835-44-0	42
2-Butanone, 3-hydrox	
00115-22-0	42
3-Hexanol (8CI9CI)	
00623-37-0	42
Oxepane, 2,2,4-trime	
23120-44-7	11
Propanoic acid, 2-hy	
02110-78-3	11



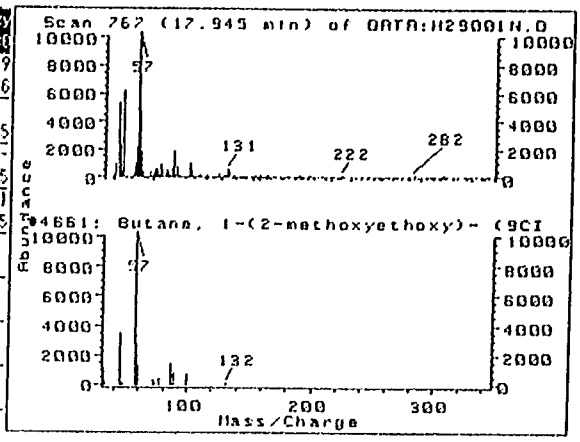
Entry# = 13052 CAS Num = 51835-44-0
Company ID Num = NBS 9/85
Mol.Weight = 180.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 1-methoxy-, benzoate (9CI)

Mol. Formula =
C10H12O3

Misc. Info. =

9

Butane, 1-(2-methoxy	
13343-98-1	38
Silane, hexyl- (8CI)	
01072-14-6	26
Butanamide (9CI)	
00541-35-5	25
1-Propene, 3-fluoro-	
00818-92-8	25
Oxirane, tetramethyl	
05076-20-0	25



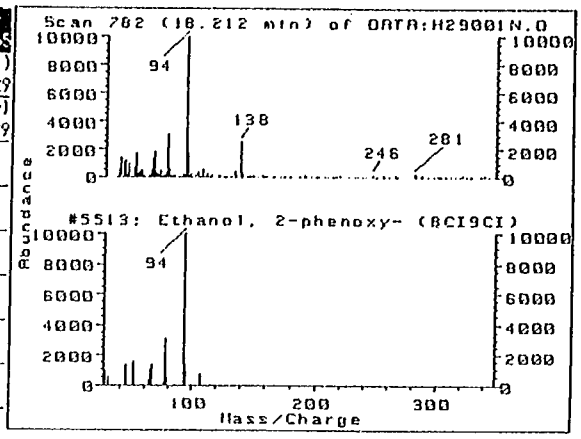
Entry# = 4661 CAS Num = 13343-98-1
Company ID Num = NBS 9/85
Mol.Weight = 132.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-(2-methoxyethoxy)- (9CI)

Mol. Formula =
C7H16O2

Misc. Info. =

10

Ethanol, 2-phenoxy-	
00122-99-6	55
4-Pyridinamine (9CI)	
00504-24-5	29
Pyrimidine, 4-methyl	
03438-46-8	29



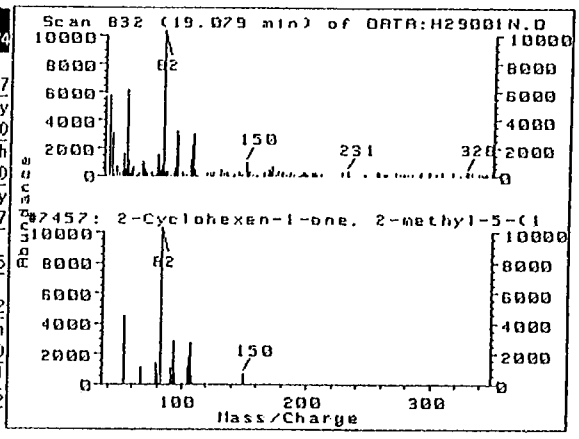
Entry# = 5513 CAS Num = 00122-99-6
Company ID Num = NBS 9/85
Mol.Weight = 138.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-phenoxy- (8CI9CI)

Mol. Formula =
C8H10O2

Misc. Info. =
Carbohydrates;

11

2-Cyclohexen-1-one,	
02244-16-8	74
2-Cyclohexen-1-one,	
06485-40-1	67
1H-Pyrazole, 4-methy	
07554-65-6	60
1H-Imidazole, 4-meth	
00822-36-6	60
1H-Pyrazole, 3-methy	
01453-58-3	37
3-Hexyne (8CI9CI)	
00928-49-4	35
2-Cyclohexen-1-one,	
00099-49-0	32
1H-Imidazole, 1-meth	
00616-47-7	30
Cyclobutane, ethenyl	
02597-49-1	15



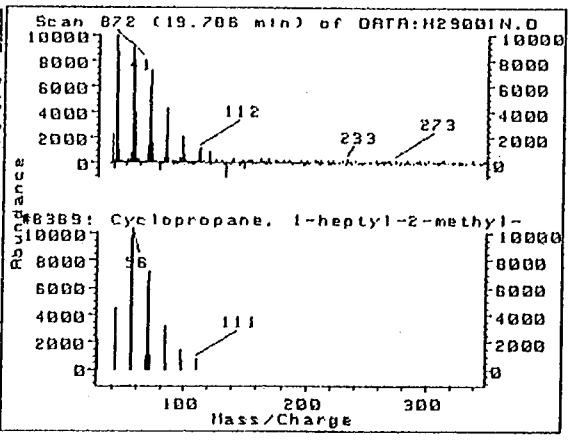
Entry# = 7457 CAS Num = 02244-16-8
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-,
(S)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

12

Cyclopropane, 1-hept	
74663-91-5	93
Cyclopropane, octyl-	
01472-09-9	87
Cyclopropane, 1-ethy	
74663-86-8	79
Cyclopropane, nonyl-	
74663-85-7	71
Cyclopropane, 1-buty	
74663-88-0	67
Cyclodecane, methyl-	
13151-43-4	67
Nonanol (8CI9CI)	
28473-21-4	60
Cyclobutanone, 2,2-d	
01192-14-9	60
Cyclobutanone, 2,3,3	
28290-01-9	60



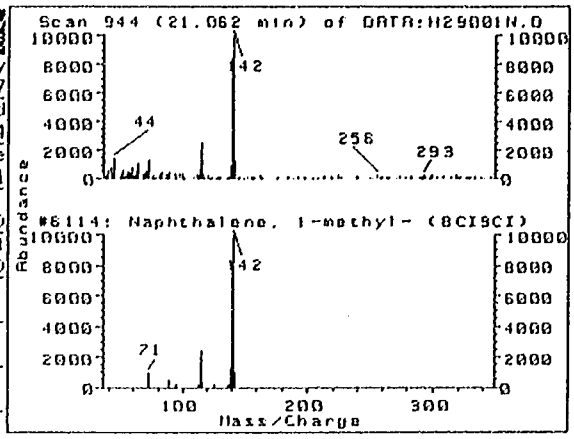
Entry# = 8369 CAS Num = 74663-91-5
Company ID Num = NBS 9/85
Mol.Weight = 154.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, 1-heptyl-2-methyl- (9CI)

Mol. Formula =
C11H22

Misc. Info. =

13

Naphthalene, 1-methy	
00090-12-0	78
Naphthalene, 2-methy	
00091-57-6	67
1H-Indene, 1-ethylid	
02471-83-2	64
1,4-Methanonaphthale	
04453-90-1	31
4(1H)-Pyrimidinone,	
00056-04-2	20
1-Propanamine, 2-met	
01116-40-1	20



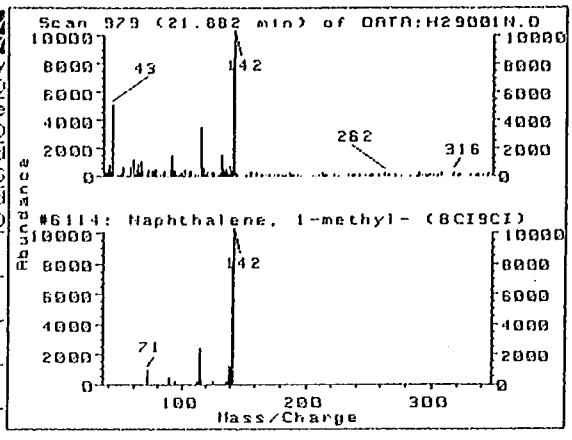
Entry# = 6114 CAS Num = 00090-12-0
Company ID Num = NBS 9/85
Mol.Weight = 142.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 1-methyl- (8CI9CI)

Mol. Formula =
C11H10

Misc. Info. =
Pesticides;

14

Naphthalene, 1-methy	
00090-12-0	67
Naphthalene, 2-methy	
00091-57-6	60
1,4-Methanonaphthale	
04453-90-1	60
1H-Indene, 1-ethylid	
02471-83-2	36
1H,3H-Naphtho[1,8-cd	
00203-84-9	30



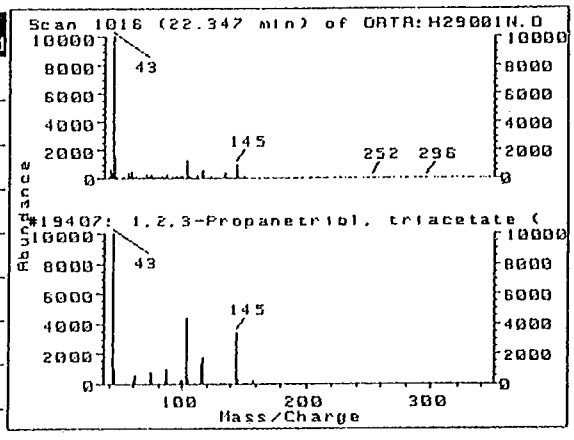
Entry# = 6114 CAS Num = 00090-12-0
Company ID Num = NBS 9/85
Mol.Weight = 142.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 1-methyl- (8CI9CI)

Mol. Formula =
C11H10

Misc. Info. =
Pesticides;

15

1,2,3-Propanetriol,	
00102-76-1	41



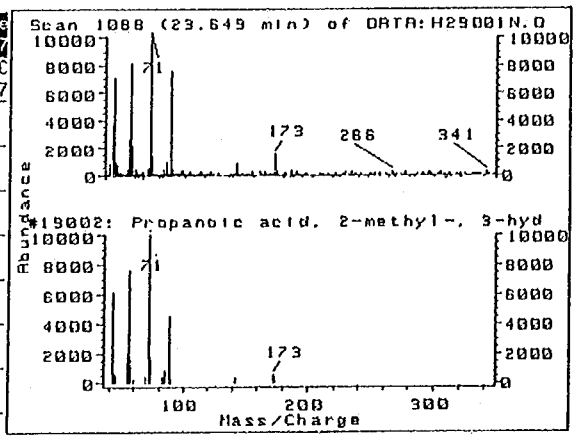
Entry# = 19407 CAS Num = 00102-76-1
Company ID Num = NBS 9/85
Mol.Weight = 218.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2,3-Propanetriol, triacetate (9CI)

Mol. Formula =
C9H14O6

Misc. Info. =
Drugs; Carbohydrates; Fatty acids and Lipids;
Pesticides;

16

Propanoic acid, 2-me	
74367-34-3	47
Oxirane, pentyl- (9C	
05063-65-0	27



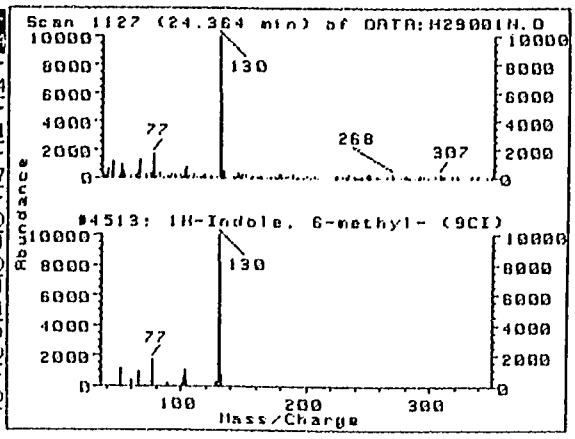
Entry# = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethy
lpentyl ester (9CI)

Mol. Formula =
C12H24O3

Misc. Info. =

17

1H-Indole, 6-methyl-	
03420-02-8	74
1H-Indole, 5-methyl-	
00614-96-0	74
1H-Indole, 2-methyl-	
00095-20-5	71
1H-Indole, 7-methyl-	
00933-67-5	67
1H-Indole, 3-methyl-	
00083-34-1	60
Indolizine, 3-methyl	
01761-10-0	60
Indolizine, 5-methyl	
01761-19-9	31
2,3-Pyrazinedicarbon	
13481-25-9	30
Silanamine, N,1,1,1-	
54965-14-9	30



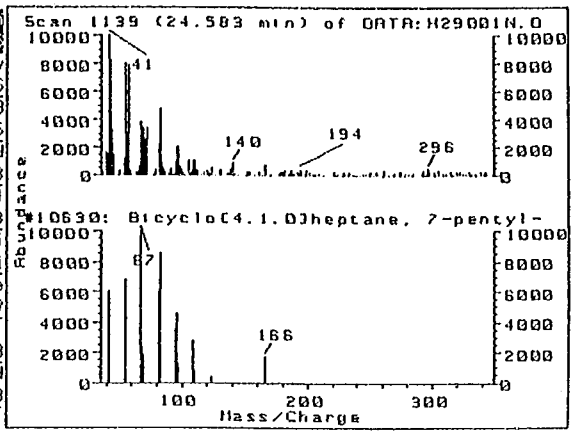
Entry# = 4513 CAS Num = 03420-02-8
Company ID Num = NBS 9/85
Mol.Weight = 131.073 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Indole, 6-methyl- (9CI)

Mol. Formula =
C9H9N

Misc. Info. =
Alkaloids;

18

Bicyclo[4.1.0]heptan	
41977-45-1	46
2-Propenoic acid, cy	
03066-71-5	36
1,12-Dodecanediol (8	
05675-51-4	35
1,6-Octadiene, 2,5-d	
68702-25-0	33
1,14-Tetradecanediol	
19812-64-7	33
6-Octen-1-ol, 3,7-di	
00105-85-1	31
5-Heptenal, 2,6-dime	
00106-72-9	29
2-Cyclohexen-1-one,	
54410-58-1	28
1,6-Octadiene, 2,7-d	
40195-09-3	28



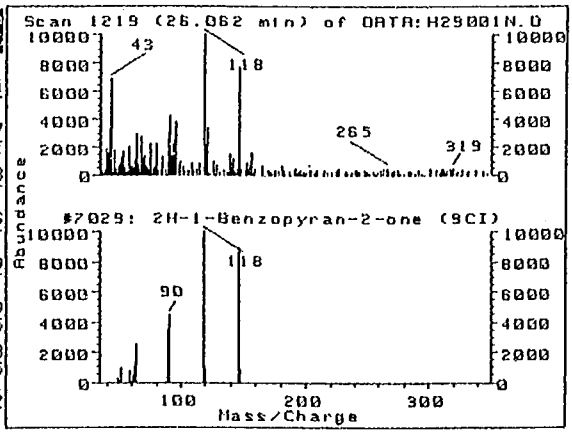
Entry# = 10630 CAS Num = 41977-45-1
Company ID Num = NBS 9/85
Mol.Weight = 166.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bicyclo[4.1.0]heptane, 7-pentyl- (9CI)

Mol. Formula =
C12H22

Misc. Info. =

19

2H-1-Benzopyran-2-on	
00091-64-5	86
Benzofuran (8CI,9CI)	
00271-89-6	41
1(2H)-Naphthalenone,	
00529-34-0	37
1H-Indene-1,3(2H)-di	
00606-23-5	28
2(1H)-Quinazolinone	
07471-58-1	26
Phthalazin-1-one	
00119-39-1	20
4(1H)-Quinazolinone	
00491-36-1	20
8-Quinazolinol (8CI,9	
07557-02-0	18
6-Quinazolinol (8CI,9	
07556-93-6	15



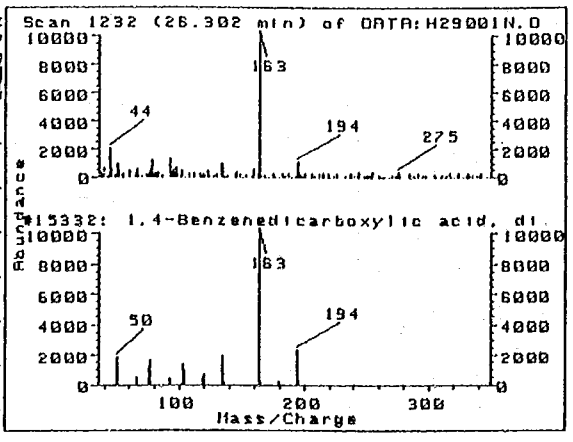
Entry# = 7029 CAS Num = 00091-64-5
Company ID Num = NBS 9/85
Mol.Weight = 146.036 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2H-1-Benzopyran-2-one (9CI)

Mol. Formula =
C9H6O2

Misc. Info. =
Drugs; Misc. Natural products;

20

Pyrido[2,3-d]pyridaz	
15370-85-1	37
1,4-Benzenedicarboxy	
00120-61-6	31



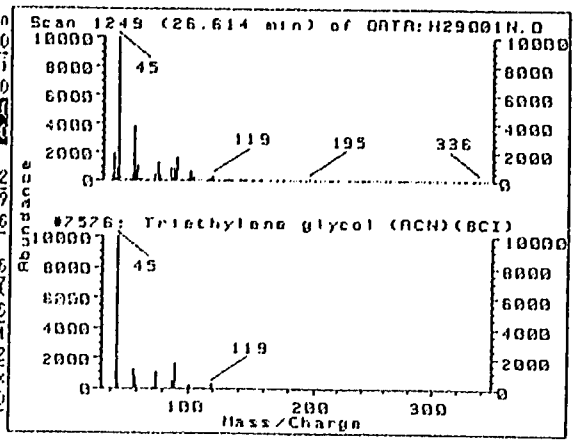
Entry# = 15332 CAS Num = 00120-61-6
Company ID Num = NBS 9/85
Mol.Weight = 194.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,4-Benzenedicarboxylic acid, dimethyl ester (9CI)

Mol. Formula =
C10H10O4

Misc. Info. =

21

Ethanol, 2-(2-(ethen	
00929-37-3	60
Ethanol, 2,2'-(oxybi	
00112-60-7	60
Triethylene glycol (	
00112-27-6	60
Paraldehyde	
00123-63-7	52
1,3-Butanediol (8CI)	
00107-88-0	36
2-Hexanol (8CI,9CI)	
00626-93-7	36
Butane, 1-methoxy- (	
00628-28-4	36
Ethanol, 2-(2-(2-but	
00143-22-6	32
3,6,9,12-Tetraoxahex	
01559-34-8	20



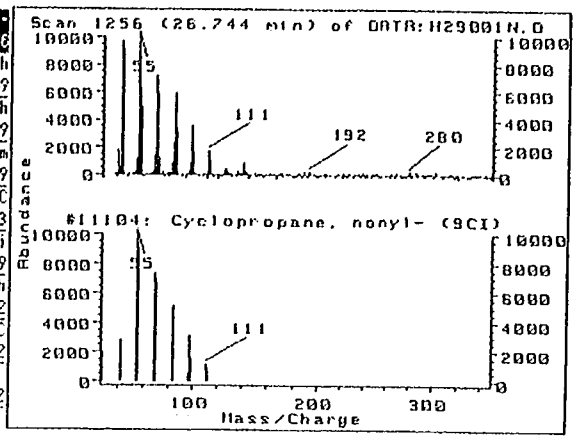
Entry# = 7576 CAS Num = 00112-27-6
Company ID Num = NBS 9/85
Mol.Weight = 150.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Triethylene glycol (ACN)(8CI)

Mol. Formula =
C6H1404

Misc. Info. =
Carbohydrates; Pesticides;

22

Cyclopropane, nonyl-	
74663-85-7	76
3-Octene, 2,6-dimeth	
06874-28-8	59
Cyclopropane, 1-meth	
62238-07-7	59
Cyclooctane, 1,4-dim	
13151-99-0	59
Cyclododecane (8CI,9C	
00294-62-2	53
Cyclopentane, 1,2-di	
01192-18-3	49
2-Octene, 2,6-dimeth	
04057-42-5	42
3-Eicosene, (E)- (9C	
74685-33-9	42
1-Decene (8CI,9CI)	
00872-05-9	42



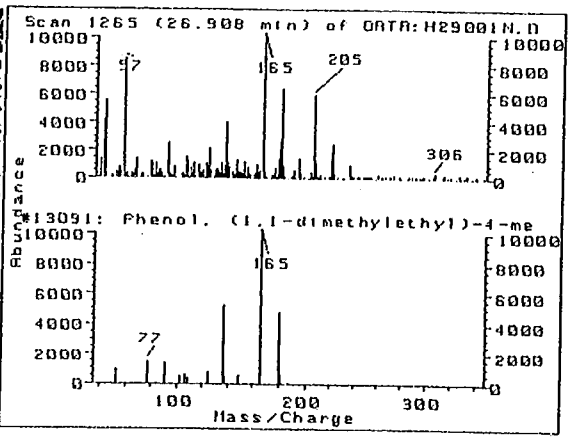
Entry# = 11104 CAS Num = 74663-85-7
Company ID Num = NBS 9/85
Mol.Weight = 168.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, nonyl- (9CI)

Mol. Formula =
C12H24

Misc. Info. =

23

Phenol, (1,1-dimethy	
25013-16-5	58
Silane, ethoxydimeth	
01825-58-7	35
Ethanone, 1-(2-hydro	
04223-84-1	26
Ethanol, 2-(4-(1-met	
54576-35-1	25
9H-Fluorene, 3-methy	
02523-39-9	25
Ethanone, 1-(2,5-dim	
01201-38-3	25
Thiazolo[5,4-d]pyrim	
19835-21-3	25
Benzamide, 3-ethoxy-	
55836-69-6	25
Thiazolo[3,2-a]pyrid	
30276-99-4	25



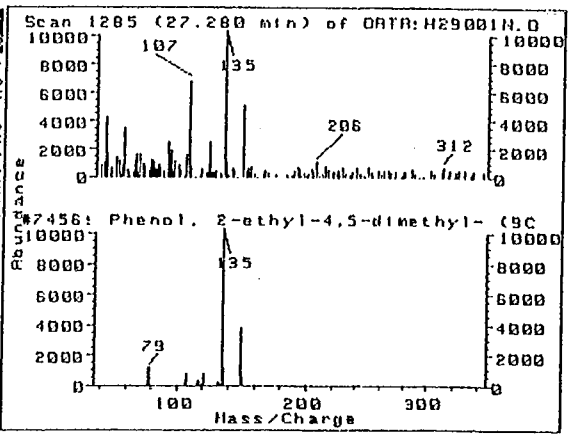
Entry# = 13091 CAS Num = 25013-16-5
Company ID Num = NBS 9/85
Mol.Weight = 180.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, (1,1-dimethylethyl)-4-methoxy- (9CI)

Mol. Formula =
C11H1602

Misc. Info. =
Drugs; Pesticides;

24

Phenol, 2-ethyl-4,5-	
02219-78-5	63
Phenol, 2,3,5,6-tetr	
00527-35-5	52
Phenol, 2-(1,1-dimet	
00088-18-6	52
Ethanone, 1-(2-hydro	
01450-72-2	52
Phenol, diethyl- (8C	
26967-65-7	52
Phenol, 5-methyl-2-(	
00089-83-8	52
Cyclohexanone, 2-(2-	
54166-48-2	52
Pyrazolo[5,1-c]-as-t	
06726-50-7	52
Phenol, 4-(1,1-dimet	
00098-54-4	33



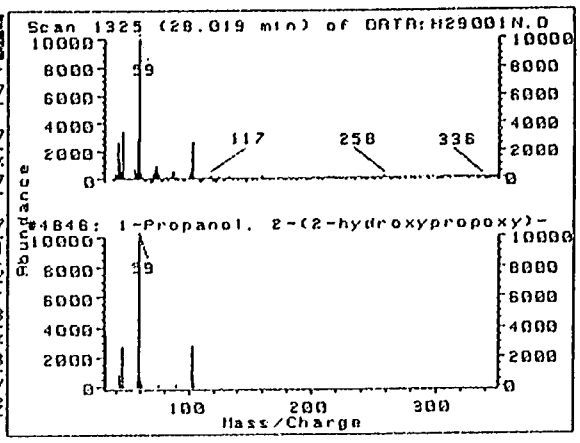
Entry# = 7456 CAS Num = 02219-78-5
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2-ethyl-4,5-dimethyl- (9CI)

Mol. Formula =
C10H140

Misc. Info. =

25

1-Propanol, 2-(2-hyd	
00106-62-7	53
Butane, 2-methoxy-3-	
62016-49-3	47
Pentanamide (9CI)	
00626-97-1	47
2-Butanone, 3-hydrox	
00115-22-0	47
Pentane, 2-methoxy-	
06795-88-6	47
Butanamide, 3-methyl	
00541-46-8	45
Formamide, N-formyl-	
18197-25-6	43
2-Propanol, 1-methox	
03587-64-2	43
2-Butanol, 1-methoxy	
53778-73-7	43



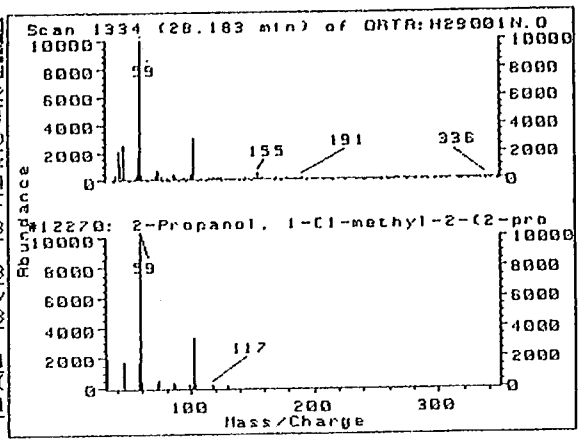
Entry# = 4846 CAS Num = 00108-62-7
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI9CI)

Mol. Formula =
C6H1403

Misc. Info. =

26

2-Propanol, 1-(1-met	
55956-25-7	52
1-Propanol, 2-(2-hyd	
00106-62-7	52
Butanamide, 3-methyl	
00541-46-8	40
2-Butanone, 3-hydrox	
00115-22-0	34
Formamide, N-methyl-	
00123-39-7	33
Pentanamide (9CI)	
00626-97-1	33
Pentanamide, 4-methy	
01119-29-5	33
Pentane, 2-methoxy-	
06795-88-6	31
Butane, 2-methoxy- (	
06795-87-5	31



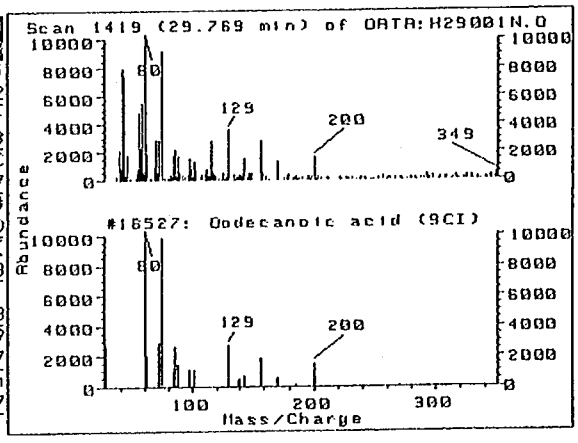
Entry# = 12270 CAS Num = 55956-25-7
Company ID Num = NBS 9/85
Mol.Weight = 174.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-(1-methyl-2-(2-propenyloxy)ethoxy)- (
9CI)

Mol. Formula =
C9H1803

Misc. Info. =
Carbohydrates;

27

Dodecanoic acid (9CI	
00143-07-7	68
Dodecanamide, N,N-bi	
00120-40-1	62
Glycine, N-methyl-N-	
00097-78-9	43
Nonanoic acid (8CI9C	
00112-05-0	37
Pentanoic acid (9CI)	
00109-52-4	30
Tetradecanoic acid (	
00544-63-8	28
Butanoic acid (9CI)	
00107-92-6	28
Heptanoic acid (8CI9	
00111-14-8	27
Isoxazolidine, 5-eth	
56728-14-4	27



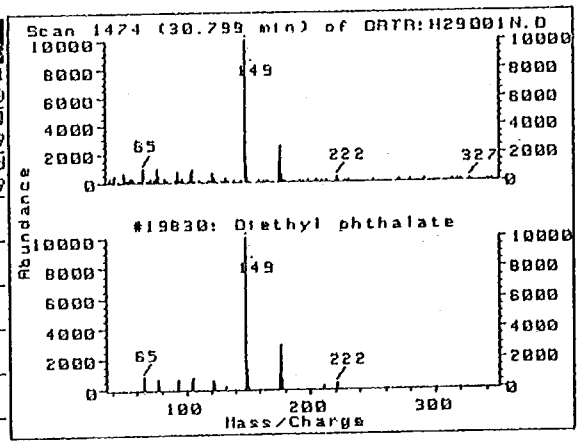
Entry# = 16527 CAS Num = 00143-07-7
Company ID Num = NBS 9/85
Mol.Weight = 200.177 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Dodecanoic acid (9CI)

Mol. Formula =
C12H2402

Misc. Info. =
Fatty acids and Lipids;

28

Diethyl phthalate	
00084-66-2	96
Benzothiazole, 2-met	
00120-75-2	30
1H-s-Triazolo[1,5-a]	
13980-64-8	29
Carbamodithioic acid	
16696-88-1	29



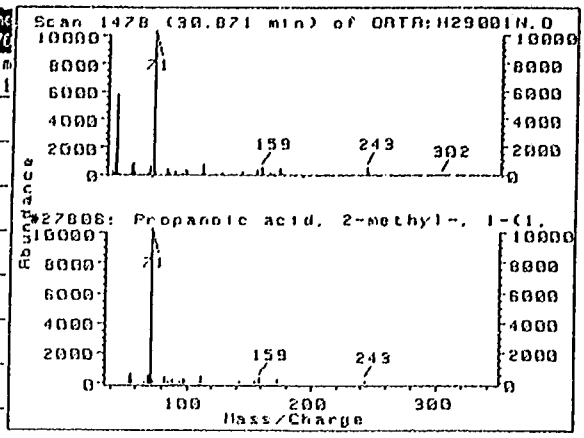
Entry# = 19830 CAS Num = 00084-66-2
Company ID Num = NBS 9/85
Mol.Weight = 222.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Diethyl phthalate

Mol. Formula =
C12H1404

Misc. Info. =
Pesticides; Priority Pollutants;

29

Propanoic acid, 2-me
74381-40-1 70
1-Hexene, 3,4,5-trim
56728-10-0 11



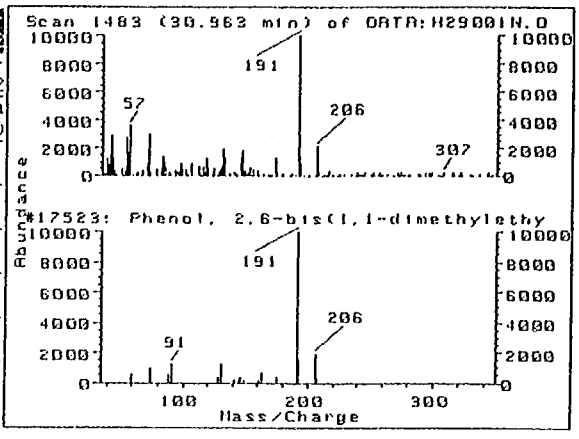
Entry# = 27008 CAS Num = 74381-40-1
Company ID Num = NBS 9/85
Mol.Weight = 286.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester (9CI)

Mol. Formula =
C16H3004

Misc. Info. =

30

Phenol, 2,6-bis(1,1-
00128-39-2 52
Phenol, 2,5-bis(1,1-
05875-45-6 52
1H-Indole-3-acetic a
00054-16-0 30



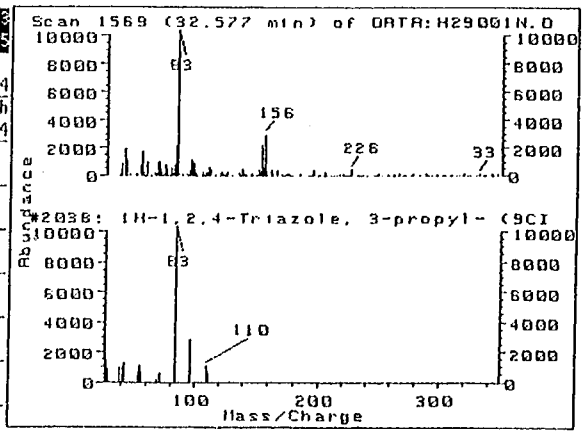
Entry# = 17523 CAS Num = 00128-39-2
Company ID Num = NBS 9/85
Mol.Weight = 206.166 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)- (9CI)

Mol. Formula =
C14H220

Misc. Info. =

31

1H-1,2,4-Triazole, 3
19932-60-6 25
Cyclohexane, azido-
19573-22-9 24
Cyclopentane, 1-meth
50746-53-7 24



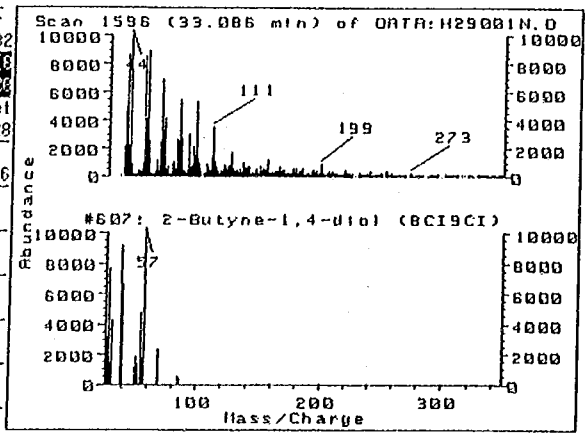
Entry# = 2038 CAS Num = 19932-60-6
Company ID Num = NBS 9/85
Mol.Weight = 111.079 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-1,2,4-Triazole, 3-propyl- (9CI)

Mol. Formula =
C5H9N3

Misc. Info. =

32

Acetic acid, cyano-
00372-09-8 32
2-Butyne-1,4-diol (8
00110-65-6 28
7-Octenoic acid, met
15766-90-2 28
Isoxazole (8CI9CI)
00288-14-2 26

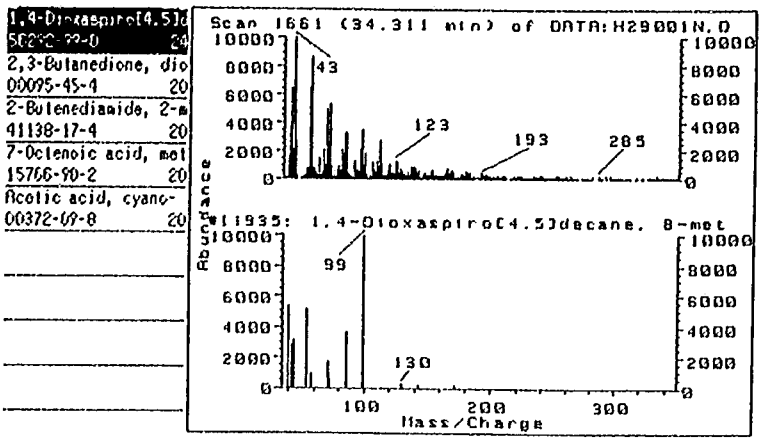


Entry# = 607 CAS Num = 00110-65-6
Company ID Num = NBS 9/85
Mol.Weight = 86.036 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butyne-1,4-diol (8CI9CI)

Mol. Formula =
C4H602

Misc. Info. =

33

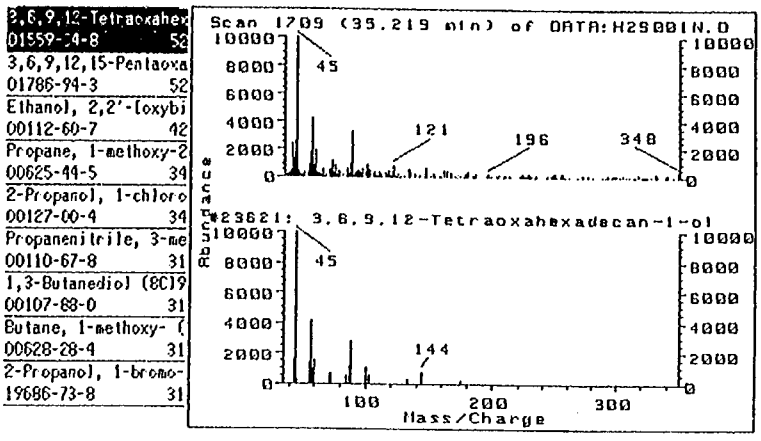


Entry# = 11935 CAS Num = 56292-99-0
Company ID Num = NBS 9/85
Mol.Weight = 172.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,4-Dioxaspiro[4.5]decane, 8-methoxy- (9CI)

Mol. Formula =
C9H16O3

Misc. Info. =

34

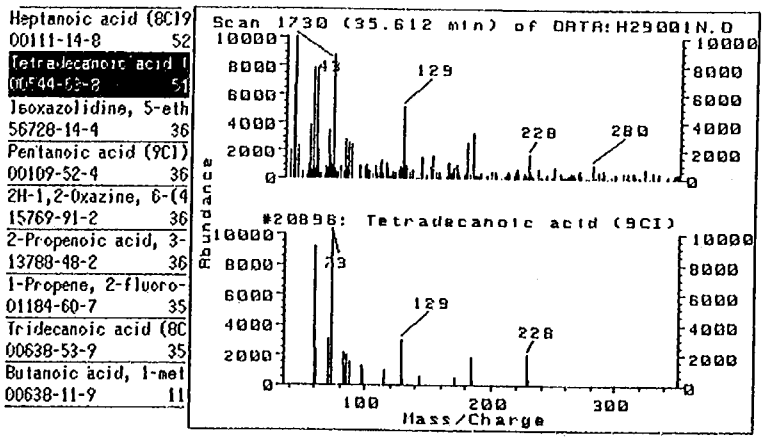


Entry# = 23621 CAS Num = 01559-34-8
Company ID Num = NBS 9/85
Mol.Weight = 250.177 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3,6,9,12-Tetraoxahexadecan-1-ol (8CI,9CI)

Mol. Formula =
C12H26O5

Misc. Info. =
Carbohydrates;

35

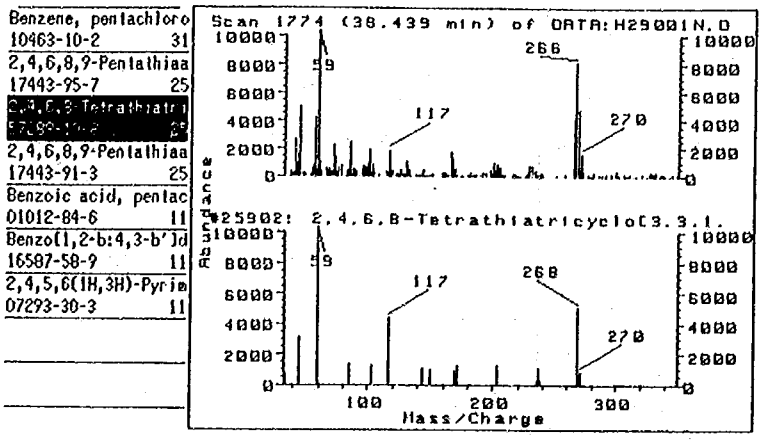


Entry# = 20898 CAS Num = 00544-63-8
Company ID Num = NBS 9/85
Mol.Weight = 228.208 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Tetradecanoic acid (9CI)

Mol. Formula =
C14H28O2

Misc. Info. =
Fatty acids and Lipids; Pesticides;

36



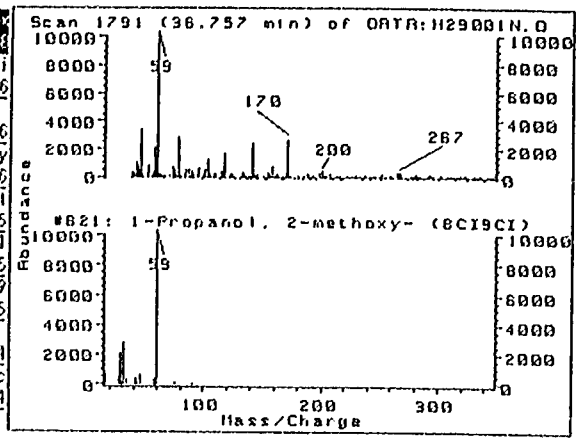
Entry# = 25902 CAS Num = 57289-10-8
Company ID Num = NBS 9/85
Mol.Weight = 267.954 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,4,6,8-Tetrathiatricyclo[3.3.1.13,7]decane-1-thiol
, 3,5-dimethyl-, (.+-.)- (9CI)

Mol. Formula =
C8H12S5

Misc. Info. =

37

1-Propanol, 2-methox	
01589-47-5	28
Ethanedioic acid, di	
00553-90-2	26
Guanidine (8CI,9CI)	
00113-00-8	26
Pentanamide, 4-methy	
01119-29-5	26
1-Propanol, 2-(2-met	
13588-28-8	25
Butanamide, 3-methyl	
00541-46-8	25
Silane, hexyl- (8CI,9	
01072-14-6	25
Butanamide (9CI)	
00541-35-5	24
2-Propanol, 1-(isooc	
56282-27-0	24



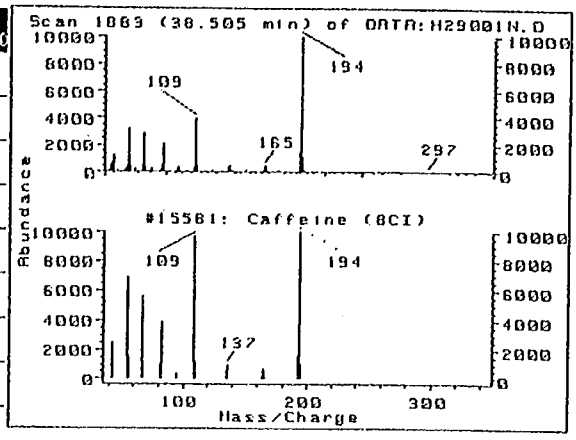
Entry# = 821 CAS Num = 01589-47-5
Company ID Num = NBS 9/85
Mol.Weight = 90.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-methoxy- (8CI,9CI)

Mol. Formula =
C4H10O2

Misc. Info. =

38

Caffeine (8CI)	
00058-08-2	70



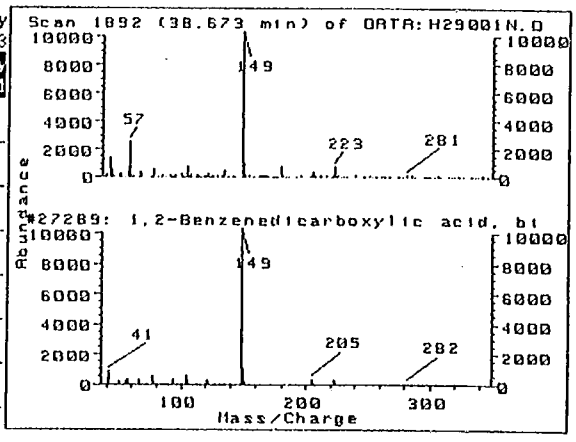
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

39

1,2-Benzenedicarboxy	
00131-16-8	43
1,2-Benzenedicarboxy	
00117-82-8	41



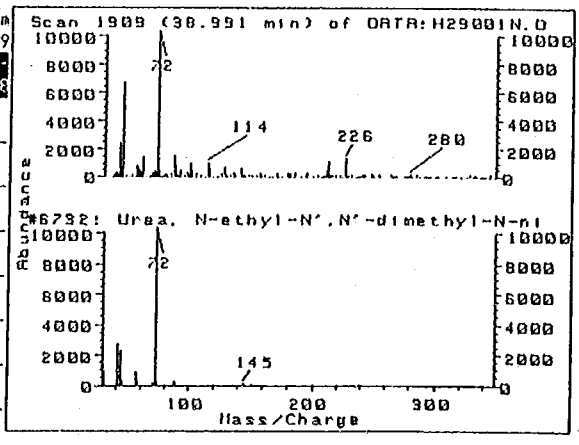
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

40

1-Butanamine, N-(1-m	
39099-23-5	29
Urea, N-ethyl-N',N'-	
50285-71-7	28

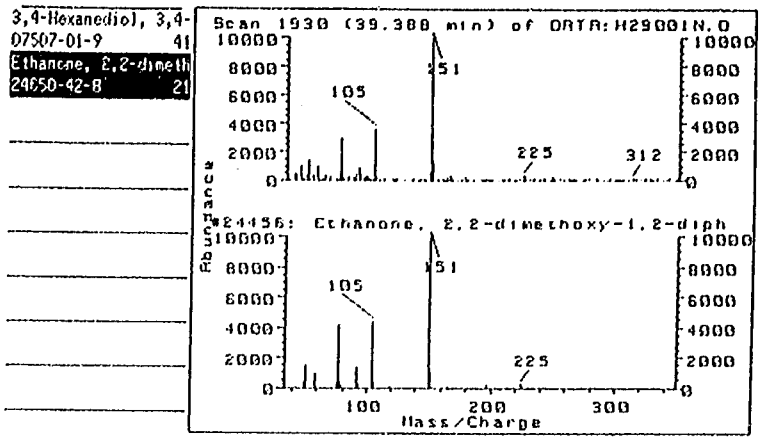


Entry# = 6732 CAS Num = 50285-71-7
Company ID Num = NBS 9/85
Mol.Weight = 145.084 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Urea, N-ethyl-N',N'-dimethyl-N-nitroso- (9CI)

Mol. Formula =
C5H11N3O2

Misc. Info. =

41

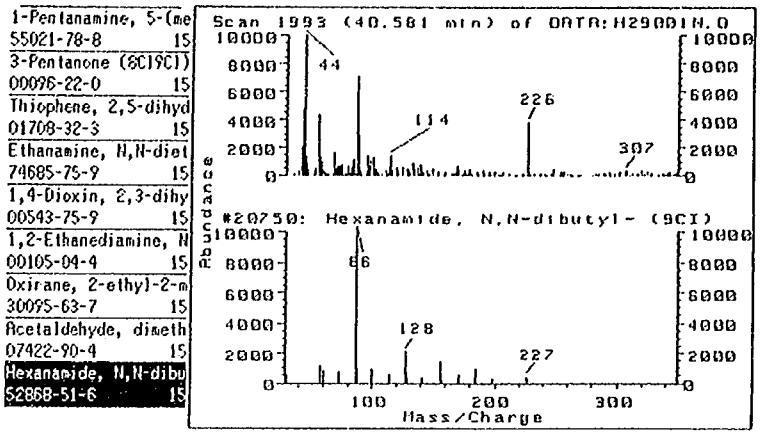


Entry# = 24456 CAS Num = 24650-42-8
Company ID Num = NBS 9/85
Mol.Weight = 256.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 2,2-dimethoxy-1,2-diphenyl- (9CI)

Mol. Formula =
C16H1603

Misc. Info. =

42

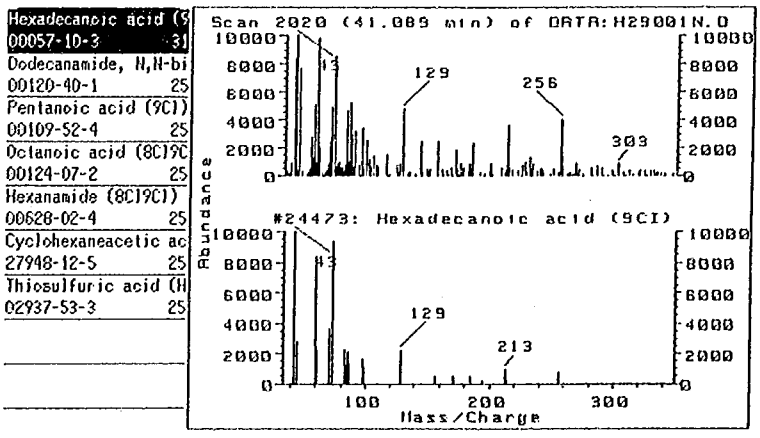


Entry# = 20750 CAS Num = 52868-51-6
Company ID Num = NBS 9/85
Mol.Weight = 227.224 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexanamide, N,N-dibutyl- (9CI)

Mol. Formula =
C14H29NO

Misc. Info. =

43

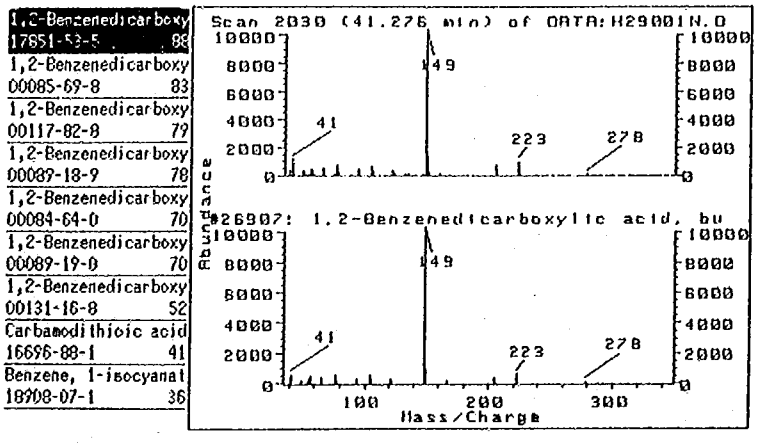


Entry# = 24473 CAS Num = 00057-10-3
Company ID Num = NBS 9/85
Mol.Weight = 256.239 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexadecanoic acid (9CI)

Mol. Formula =
C16H3202

Misc. Info. =
Fatty acids and Lipids; Pesticides;

44



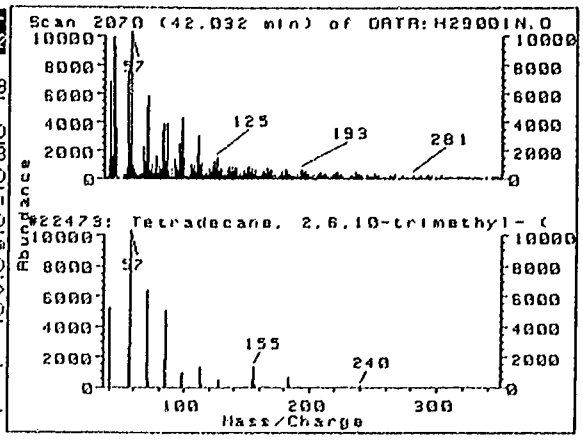
Entry# = 26907 CAS Num = 17851-53-5
Company ID Num = NBS 9/85
Mol.Weight = 278.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester (9CI)

Mol. Formula =
C16H2204

Misc. Info. =

45

Tetradecane, 2,6,10-
14905-56-7 32
Nonadecane (8CI9CI)
00629-92-5 28
Acetamide, 2-cyano-
00107-91-5 20
Borane, triethyl- (8
00097-94-9 20
Propanal, 2,2-dimeth
00637-91-2 20
2-Butenediamide, 2-m
41138-17-4 20
2,3-Butanedione, dio
00095-45-4 20



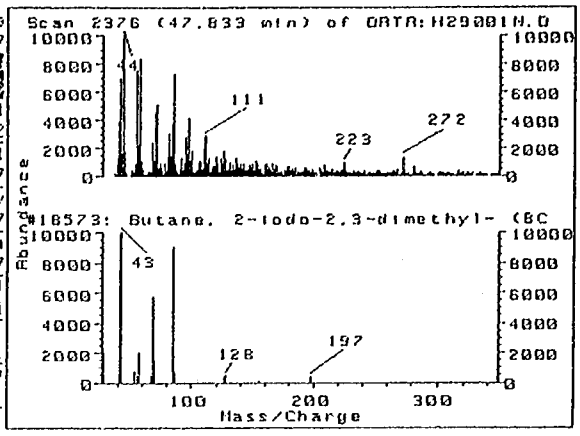
Entry# = 22473 CAS Num = 14905-56-7
Company ID Num = NBS 9/85
Mol.Weight = 240.280 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Tetradecane, 2,6,10-trimethyl- (8CI9CI)

Mol. Formula =
C17H36

Misc. Info. =

46

Silane, ethenyltrime
00754-05-2 67
Butane, 2-iodo-2,3-d
00594-59-2 66
Butanediamide, 2-met
03786-29-6 52
Pentane, 3-(bromomet
03814-34-4 47
Tetradecane, 5-methy
25117-32-2 47
Undecane, 2,4-dimeth
17312-60-0 47
Decane, 1-iodo- (8C)
02050-77-3 41
1,3,2-Oxazaborolane,
31748-10-4 41
Tetradecane (8CI9CI)
00629-59-4 41



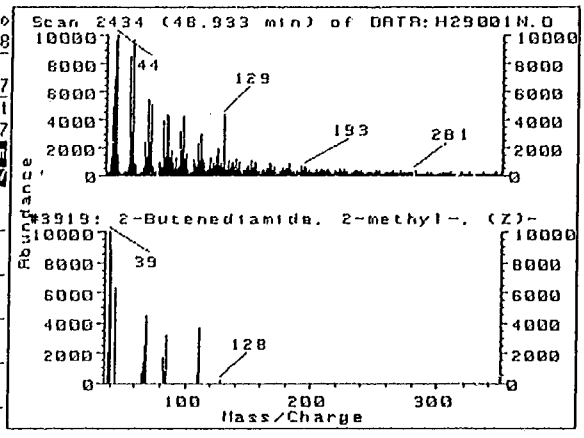
Entry# = 18573 CAS Num = 00594-59-2
Company ID Num = NBS 9/85
Mol.Weight = 212.005 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 2-iodo-2,3-dimethyl- (8CI9CI)

Mol. Formula =
C6H13I

Misc. Info. =

47

2,3-Butanedione, dio
00095-45-4 28
Isoxazole (8CI9CI)
00288-14-2 27
7-Octenoic acid, met
15766-90-2 27
2-Butenediamide, 2-m
41138-17-4 27



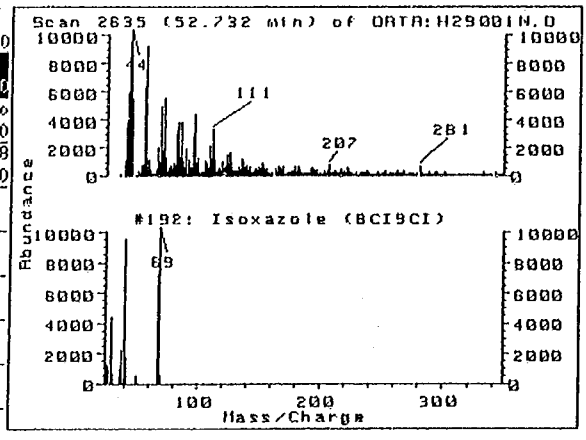
Entry# = 3919 CAS Num = 41138-17-4
Company ID Num = NBS 9/85
Mol.Weight = 128.058 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butenediamide, 2-methyl-, (Z)- (9CI)

Mol. Formula =
C5H8N2O2

Misc. Info. =

48

Acetamide, 2-cyano-
00107-91-5 20
Isoxazole (8CI9CI)
00288-14-2 20
2,3-Butanedione, dio
00095-45-4 20
2-Butyne-1,4-diol (8
00110-65-6 20



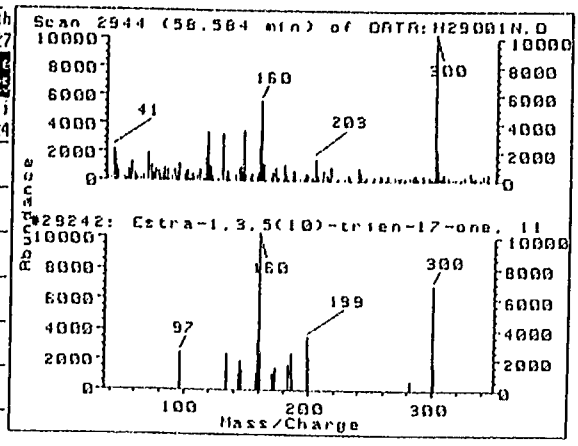
Entry# = 192 CAS Num = 00288-14-2
Company ID Num = NBS 9/85
Mol.Weight = 69.021 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Isoxazole (8CI9CI)

Mol. Formula =
C3H3NO

Misc. Info. =

49

Benzaldehyde, 2-meth
01773-44-0 27
Estra-1,3,5(10)-trie
05210-12-8 29
10H-Phenothiaphosphi
54934-84-8 24



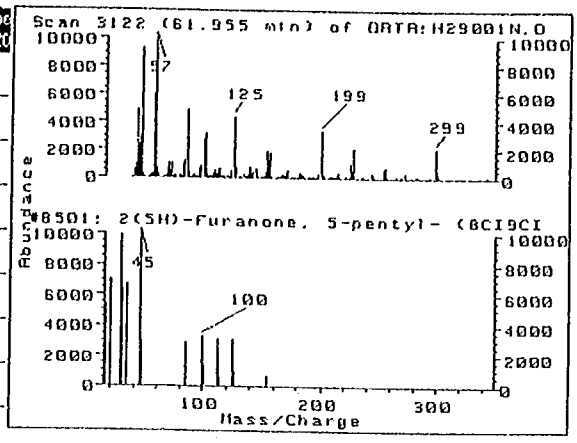
Entry# = 29242 CAS Num = 05210-12-8
Company ID Num = NBS 9/85
Mol.Height = 300.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Estra-1,3,5(10)-trien-17-one, 11-hydroxy-3-methoxy-, (11.alpha.)- (9CI)

Mol. Formula =
C19H2403

Misc. Info. =
Steroids;

50

2(5H)-Furanone, 5-pe
21963-26-8 20



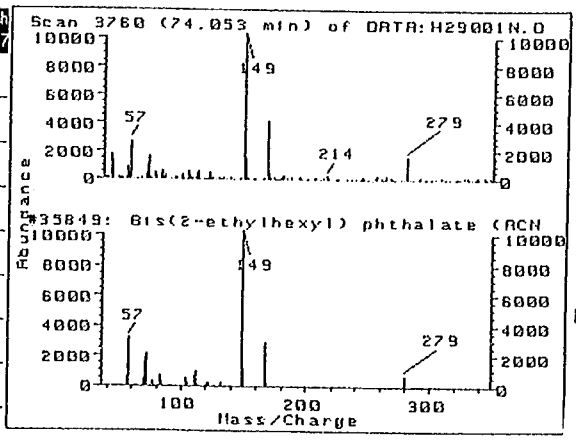
Entry# = 8501 CAS Num = 21963-26-8
Company ID Num = NBS 9/85
Mol.Height = 154.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(5H)-Furanone, 5-pentyl- (8CI9CI)

Mol. Formula =
C9H1402

Misc. Info. =

51

Bis(2-ethylhexyl) ph
00117-81-7 37



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Height = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H3804

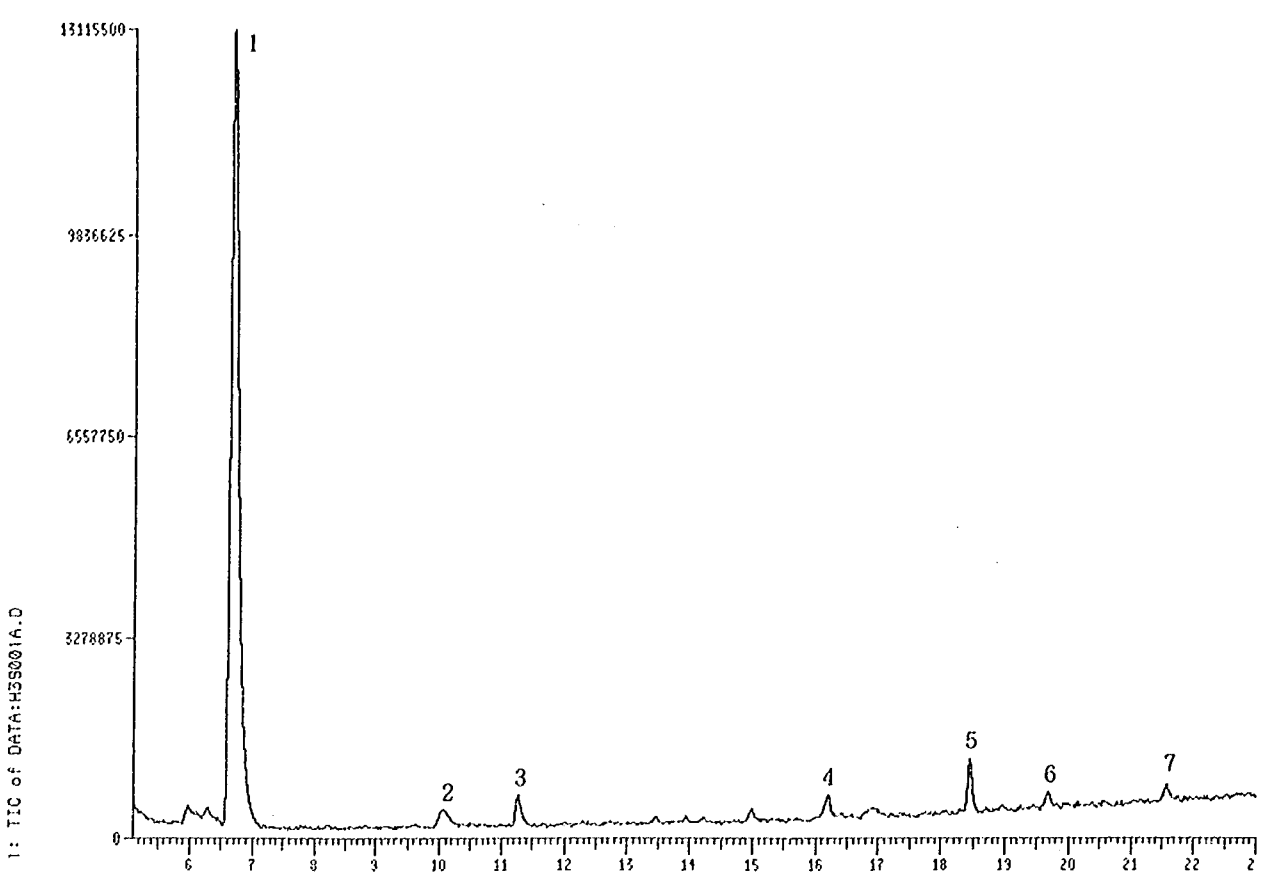
Misc. Info. =
Pesticides; Priority Pollutants;

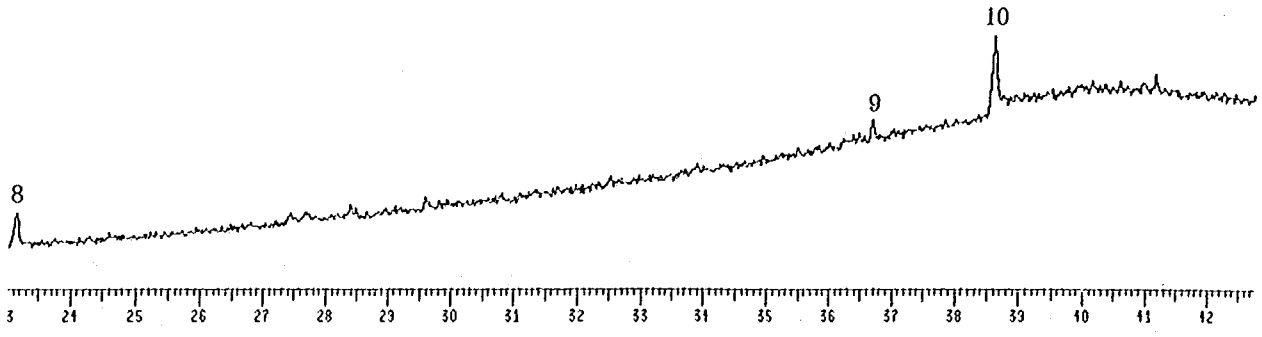
Ⅲ － 7

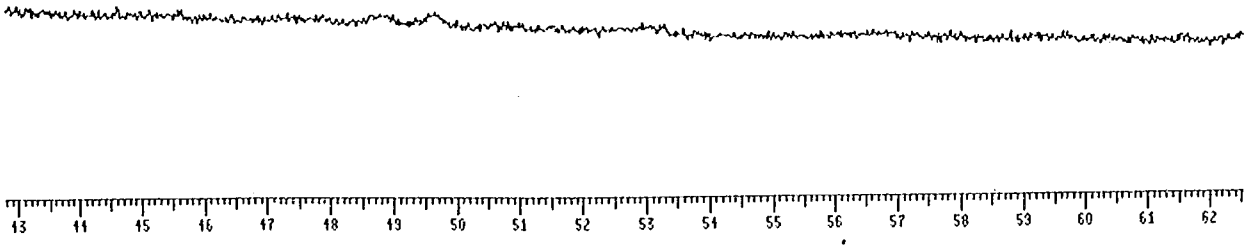
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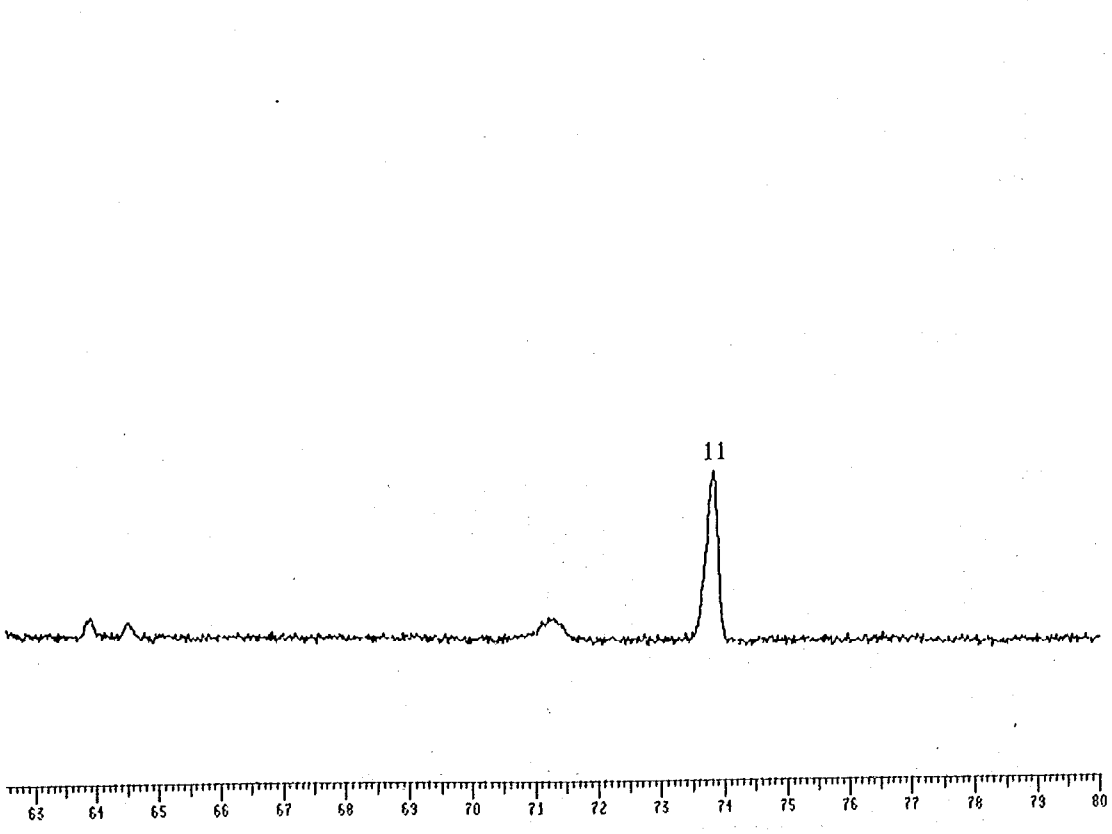
H39001A

No	Name
1	unknown
2	Phenol
3	1-Hexanol, 2-ethyl-
4	Octanoic acid
5	Benzothiazole
6	unknown
7	1,2-Benzenedicarboxylic acid
8	Dodecanamide, N,N-bis(2-hydroxyethyl)-
9	unknown
10	unknown
11	Bis(2-ethylhexyl) phthalate

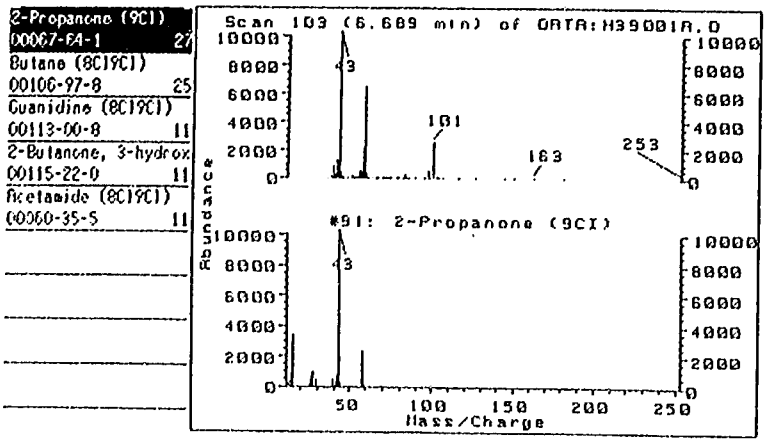

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63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.02 minutes Chart speed = 1.24 cm/min

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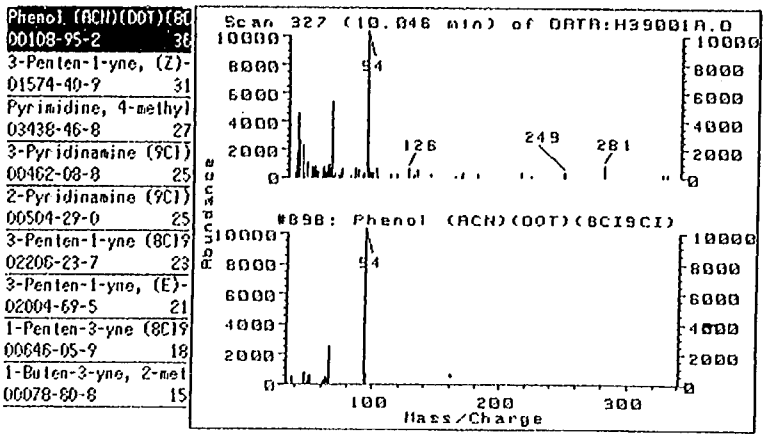


Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

2

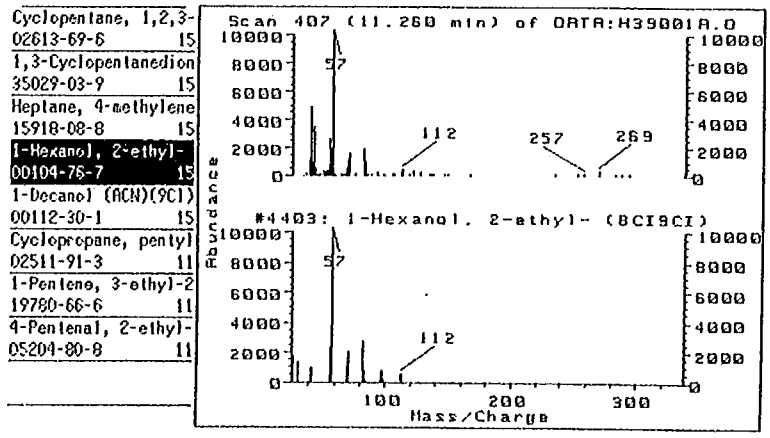


Entry# = 898 CAS Num = 00108-95-2
Company ID Num = NBS 9/85
Mol.Weight = 94.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol (ACN)(DOT)(8CI9CI)

Mol. Formula =
C6H6O

Misc. Info. =
Drugs; Pesticides; Priority Pollutants;

3

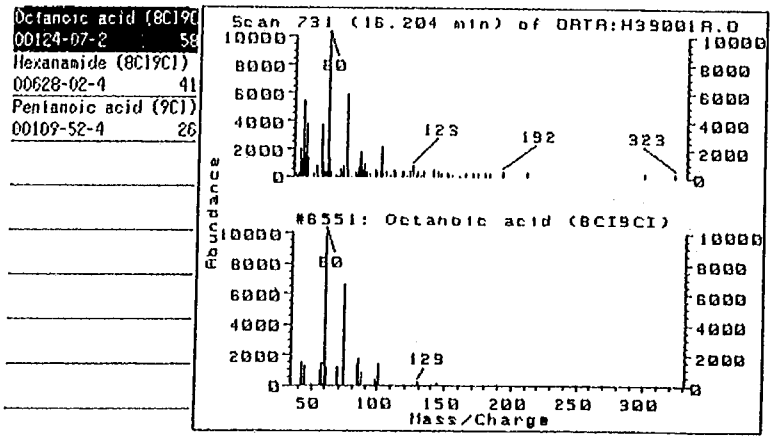


Entry# = 4403 CAS Num = 00104-76-7
Company ID Num = NBS 9/85
Mol.Weight = 130.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Hexanol, 2-ethyl- (8CI9CI)

Mol. Formula =
C8H18O

Misc. Info. =
Pesticides;

4



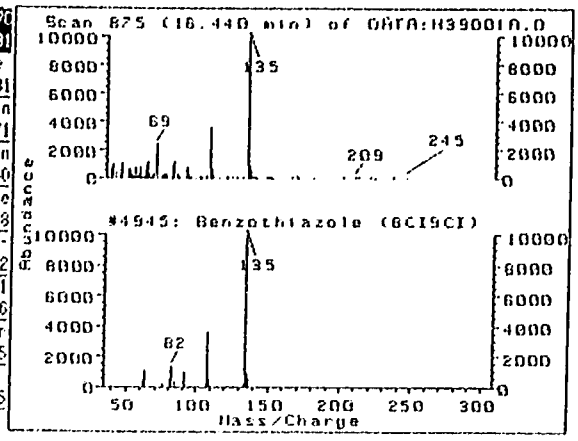
Entry# = 6551 CAS Num = 00124-07-2
Company ID Num = NBS 9/85
Mol.Weight = 144.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Octanoic acid (8CI9CI)

Mol. Formula =
C8H16O2

Misc. Info. =
Pesticides;

5

Benzothiazole (8C19C	
00095-16-9	81
1,2-Benzisothiazole	
00272-16-2	81
Thieno[3,2-c]pyridin	
00272-14-0	71
Thieno[2,3-c]pyridin	
00272-12-8	60
Thiocyanic acid, phe	
05285-87-0	48
1H-Indole, 5-fluoro-	
00399-52-0	42
2,1-Benzisoxazol-3(1	
31499-90-8	36
2H-Imidazo[4,5-b]pyr	
16328-62-4	35
Adenine (VAN8CI)	
00073-24-5	35



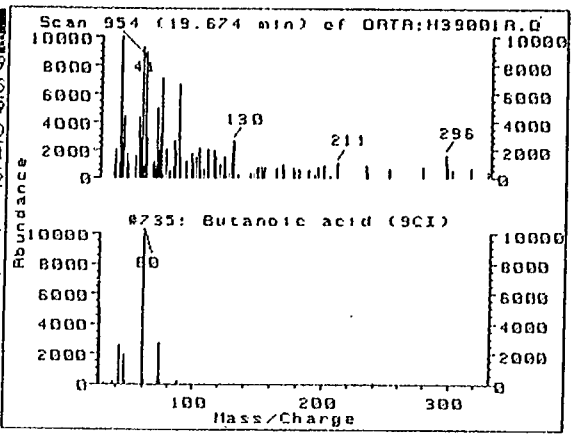
Entry# = 4945 CAS Num = 00095-16-9
Company ID Num = NBS 9/85
Mol.Weight = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole (8CI9CI)

Mol. Formula =
C7H5NS

Misc. Info. =

6

Butanoic acid (9CI)	
00107-92-6	28
Heptanoic acid (8C19	
00111-14-8	26
Propanedioic acid (9	
00141-82-2	20
Hydrazine, 1,1-dimet	
00057-14-7	15



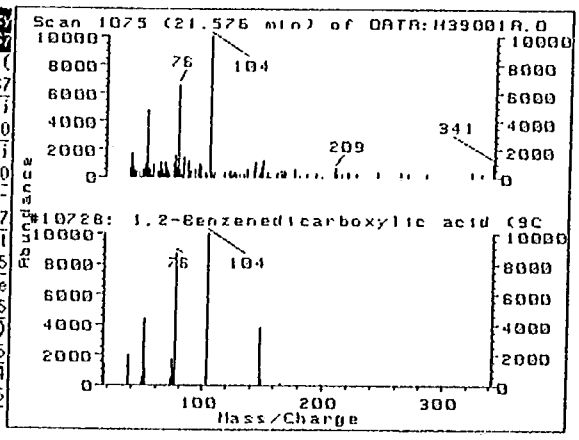
Entry# = 735 CAS Num = 00107-92-6
Company ID Num = NBS 9/85
Mol.Weight = 88.052 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butanoic acid (9CI)

Mol. Formula =
C4H8O2

Misc. Info. =
Pesticides;

7

1,2-Benzenedicarboxy	
00088-99-3	67
Phthalic anhydride (	
00085-44-9	67
3-Pyridinecarbonitri	
00100-54-9	30
4-Pyridinecarbonitri	
00100-48-1	30
4H-1-Benzothiopyran-	
16808-50-7	27
Thiourea, N,N'-dimet	
00534-13-4	15
2-Azetidinone, 4-phe	
05661-55-2	15
Benzenebutanal (9CI)	
18328-11-5	15
Benzene, (4-methyl-4	
06683-49-4	15



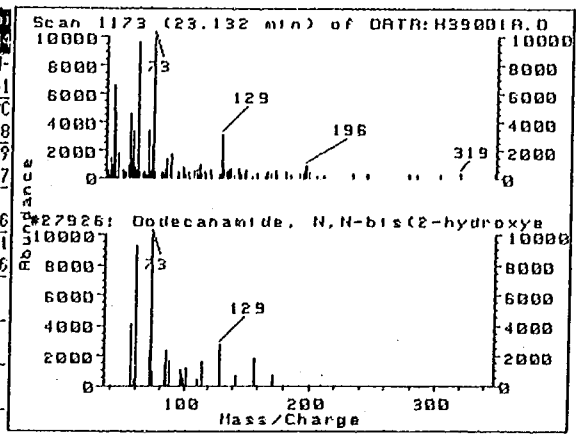
Entry# = 10728 CAS Num = 00088-99-3
Company ID Num = NBS 9/85
Mol.Weight = 166.026 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid (9CI)

Mol. Formula =
C8H6O4

Misc. Info. =

8

Dodecanamide, N,N-bi	
00120-40-1	44
Glycine, N-methyl-N-	
00097-78-9	41
Octanoic acid (8C19C	
00124-07-2	38
Heptanoic acid (8C19	
00111-14-8	37
Hexanamide (8C19C1)	
00628-02-4	36
Hydrazine, 1,2-dimet	
00540-73-8	36



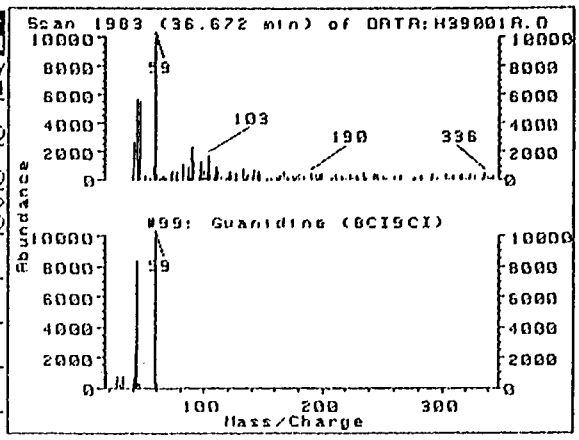
Entry# = 27926 CAS Num = 00120-40-1
Company ID Num = NBS 9/85
Mol.Weight = 287.245 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI)

Mol. Formula =
C16H33NO3

Misc. Info. =
Pesticides;

9

Guanidine (8C19Cl)	
00113-00-8	31
2-Butanol, 1-methoxy	
53778-73-7	31
Butanamide (9Cl)	
00541-35-5	30
Pentane, 2-methoxy-	
06795-88-6	30
3-Isoxazolecarboper o	
35115-87-0	30



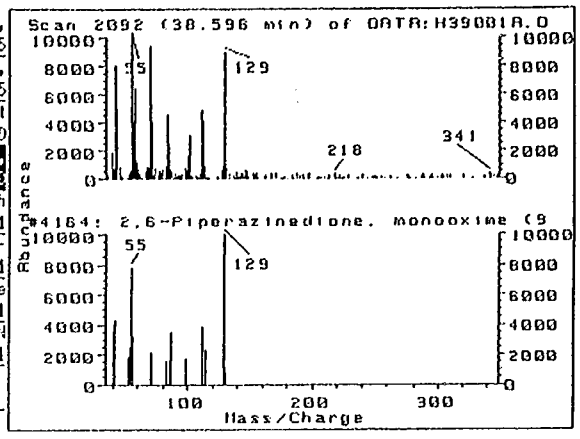
Entry# = 99 CAS Num = 00113-00-8
Company ID Num = NBS 9/85
Mol.Weight = 59.048 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Guanidine (8C19Cl)

Mol. Formula =
CH5N3

Misc. Info. =

10

Cyclopentane, 1,1,3,	
50876-33-0	25
Cyclopentane, 1,1,3,	
53907-60-1	25
Methylamine, N-(1-et	
18641-74-2	20
2,6-Piperazinedione,	
56700-84-6	20
Cyclopropane, 1-meth	
62238-07-7	11
Cyclopentane, 1,2,3-	
15890-40-1	11
Heptane, 3-methylene	
01632-16-2	11
1-Pyrrolidinamine, N	
60144-27-6	11



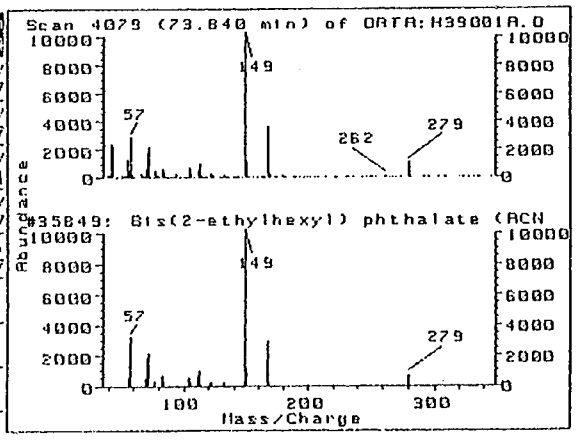
Entry# = 4164 CAS Num = 56700-84-6
Company ID Num = NBS 9/85
Mol.Weight = 129.053 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,6-Piperazinedione, monooxime (9Cl)

Mol. Formula =
C4H7N3O2

Misc. Info. =

11

Bis(2-ethylhexyl) ph	
00117-81-7	84
1,2-Benzenedicarboxy	
00603-11-2	67
1,2-Benzenedicarboxy	
01330-96-7	47
1,2-Benzenedicarboxy	
00085-69-8	31
1,2-Benzenedicarboxy	
27554-26-3	27
Furo(3,2-b)pyridine,	
69022-83-9	27



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

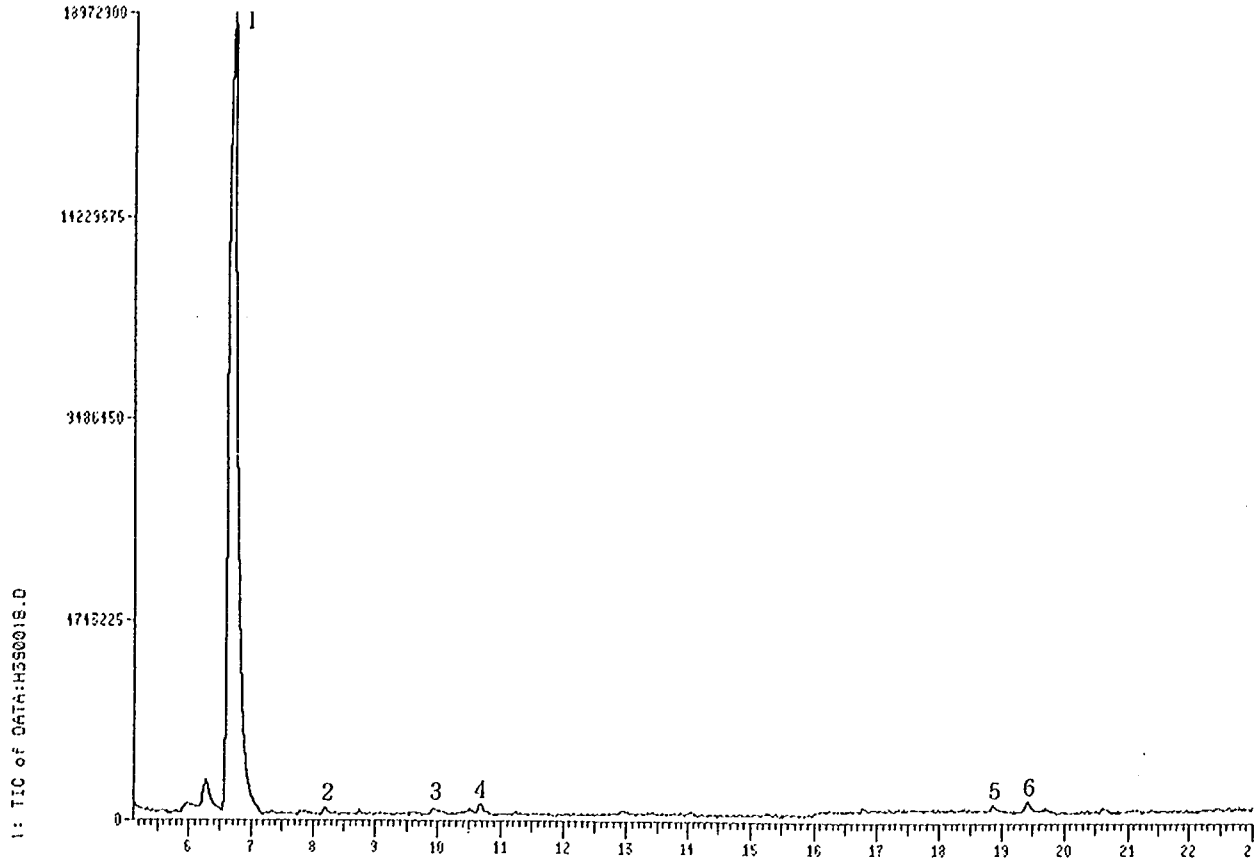
Misc. Info. =
Pesticides; Priority Pollutants;

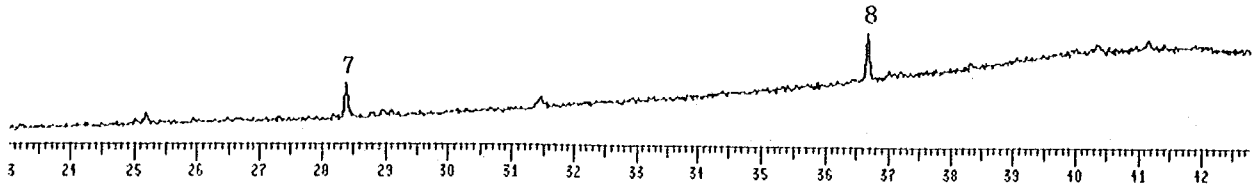
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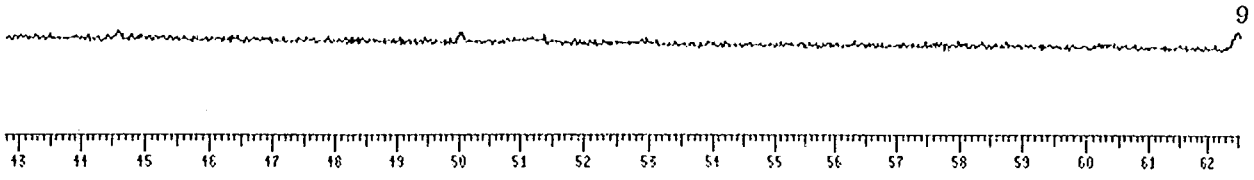
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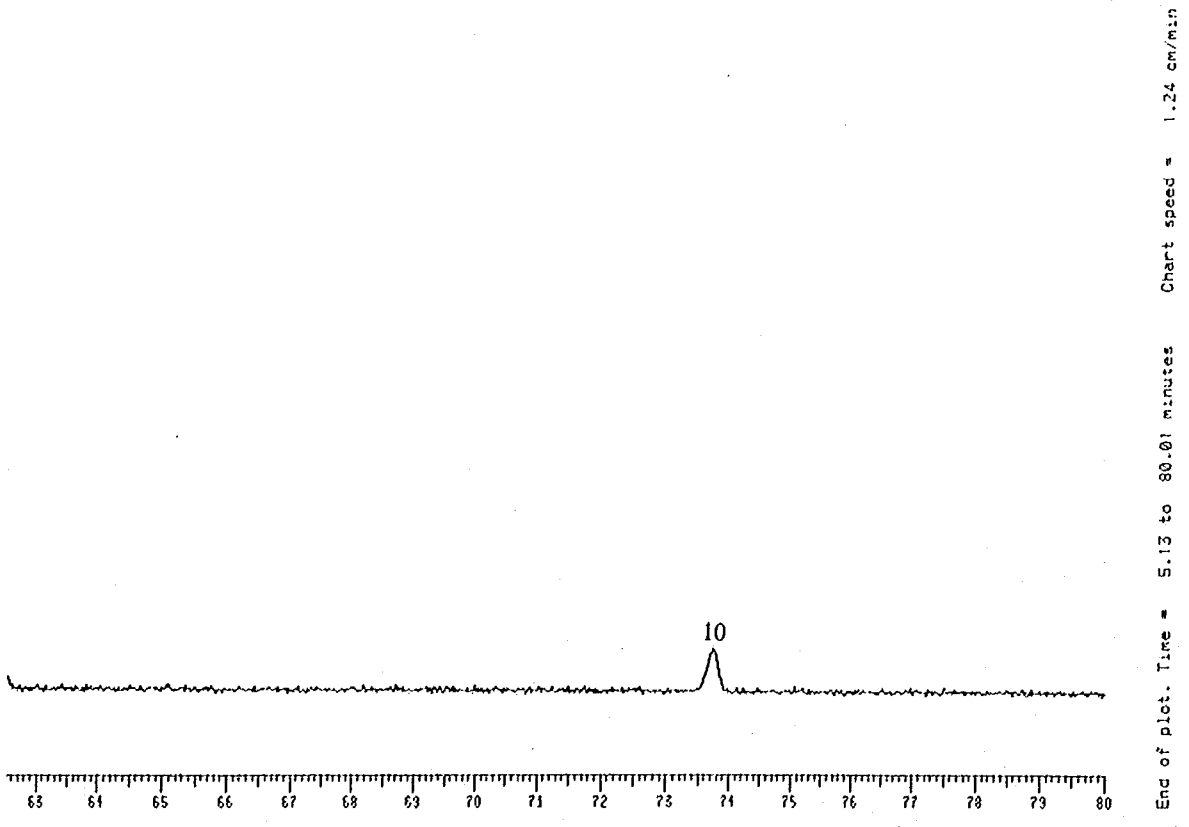
H39001B

No	N a m e
1	unknown
2	2-Butanol, 3-chloro-, acetate, (R*,R*)-
3	Aniline
4	unknown
5	Oxirane, tetramethyl-
6	Formamide, N-cyclohexyl-
7	Ethane, 1,1'-oxybis[2-methoxy-
8	2,5,8,11,14,17-Hexaoxaoctadecane
9	Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl-
10	Bis(2-ethylhexyl) phthalate


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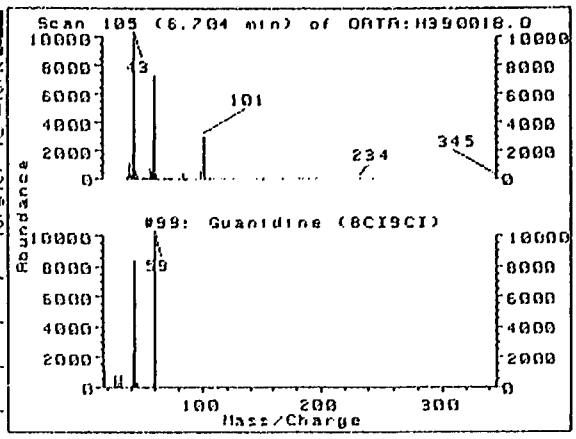

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63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.01 minutes Chart speed = 1.24 cm/min

1

Guanidine (8CI,9CI)	
00113-00-8	30
2-Butanone, 3-hydrox	
00115-22-0	25
Morpholine, 4-methyl	
00109-02-4	20
Butane (8CI,9CI)	
00106-97-8	15
Methanamine, N,N-dim	
00075-50-3	15



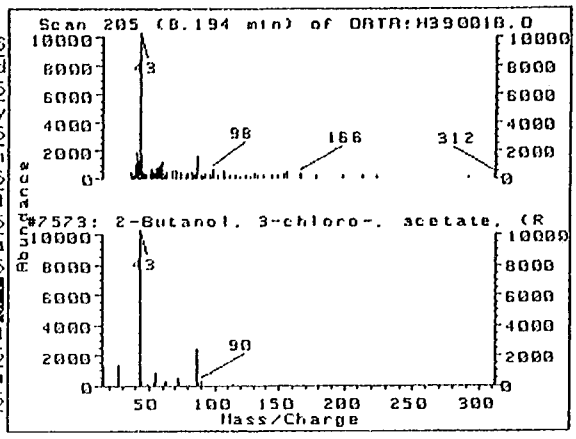
Entry# = 99 CAS Num = 00113-00-8
Company ID Num = NBS 9/85
Mol.Weight = 59.048 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Guanidine (8CI,9CI)

Mol. Formula =
CH5N3

Misc. Info. =

2

1-Pentanamine (9CI)	
00110-58-7	26
1-Propanamine, N,2-d	
00625-43-4	15
Ethanol, 2-(2-butoxy	
00124-17-4	15
1-Butanamine, 3-meth	
00107-85-7	15
Acetamide, N,N-dimet	
00127-19-5	15
Ethane, isothiocyana	
00542-85-8	15
2-Butanol, 3-chloro-	
54192-20-0	15
Guanidine, N,N-dimet	
06145-42-2	15
Thiocyanic acid, eth	
00542-90-5	15



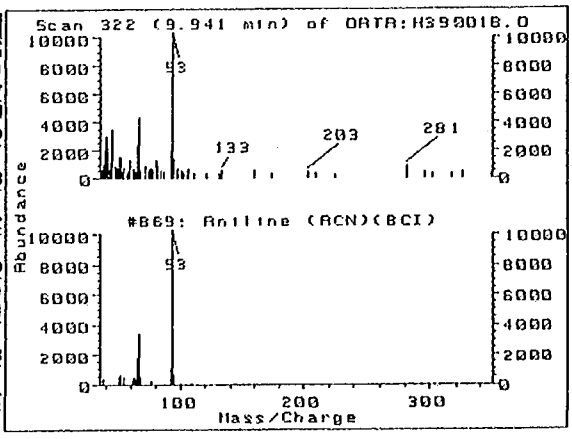
Entry# = 7573 CAS Num = 54192-20-0
Company ID Num = NBS 9/85
Mol.Weight = 150.044 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanol, 3-chloro-, acetate, (R*,R*)- (9CI)

Mol. Formula =
C6H11ClO2

Misc. Info. =

3

Aniline (ACN)(8CI)	
00062-53-3	76
1H-Pyrazole-4-carbon	
31108-57-3	59
Silanediamine, 1,1-d	
13435-09-1	50
Pyridine, 2-methyl-	
00109-06-8	48
Propanedinitrile, di	
07321-55-3	42
Pyridine, 4-methyl-	
00108-89-4	40
Benzenamine, hydroch	
00142-04-1	24
Pyridine, 3-methyl-	
00108-99-6	18
1,2-Methano-2c,2d-di	
66387-83-5	12



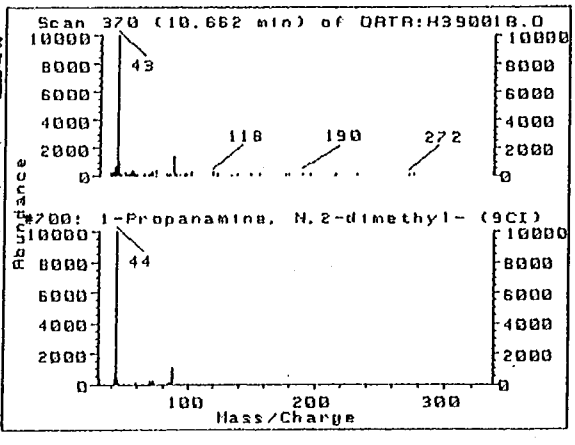
Entry# = 869 CAS Num = 00062-53-3
Company ID Num = NBS 9/85
Mol.Weight = 93.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Aniline (ACN)(8CI)

Mol. Formula =
C6H7N

Misc. Info. =
Pesticides;

4

1-Pentanamine (9CI)	
00110-58-7	13
1-Propanamine, N,2-d	
00625-43-4	11



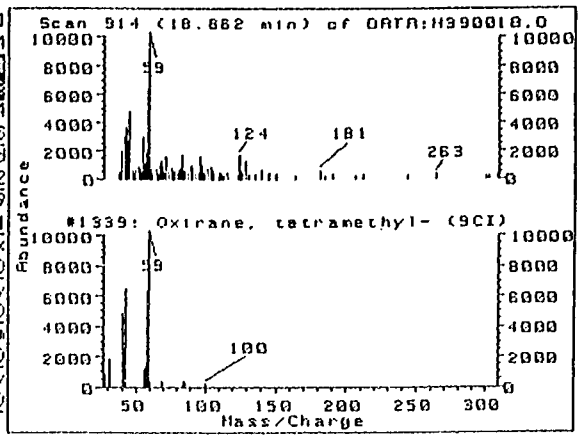
Entry# = 700 CAS Num = 00625-43-4
Company ID Num = NBS 9/85
Mol.Weight = 87.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanamine, N,2-dimethyl- (9CI)

Mol. Formula =
C5H13N

Misc. Info. =

5

Ethanamine, N-methyl	
00624-78-2	44
Oxirane, tetramethyl	
05076-20-0	43
1,3-Dioxan-5-ol, 4,4	
54063-14-8	36
2,5,8,11-Tetraoxadod	
00112-49-2	32
Silane, hexyl- (8CI9	
01072-14-6	31
2-Butanone, 3-hydrox	
00115-22-0	30
2-Butanol, 1-methoxy	
53778-73-7	30
Methanamine, N,N-dim	
00075-50-3	30
Cyclohexane, (ethoxy	
54697-29-5	30



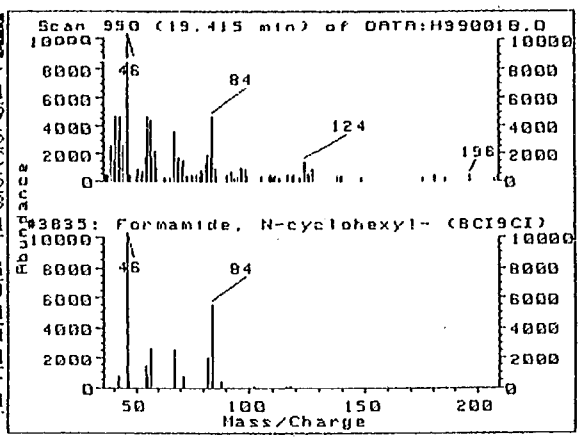
Entry# = 1339 CAS Num = 05076-20-0
Company ID Num = NBS 9/85
Mol.Weight = 100.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Oxirane, tetramethyl- (9CI)

Mol. Formula =
C6H12O

Misc. Info. =

6

Formamide, N-cyclohe	
00766-93-8	35
Boranamine, 1-ethyl-	
42843-12-9	21
Cyclopentanone (8CI9	
00120-92-3	15
Ethanedioic acid (9C	
00144-62-7	15
1H-1,2,4-Triazole, 3	
40515-30-8	11
Thiophene (8CI9CI)	
00110-02-1	11
Cyclohexane(DOT (8C	
00110-82-7	11
Methane, bromotrinit	
00560-95-2	11
1-Pentene, 3-methyl-	
00760-20-3	11



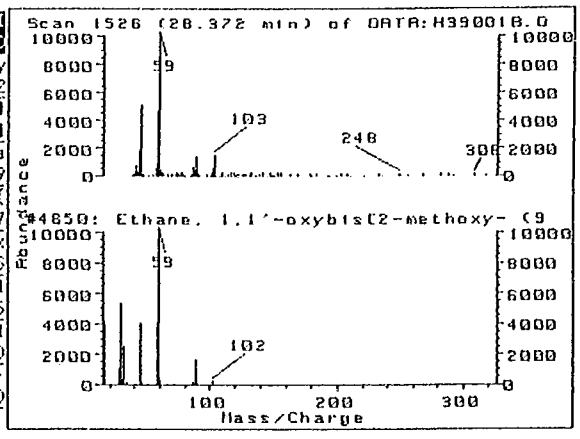
Entry# = 3835 CAS Num = 00766-93-8
Company ID Num = NBS 9/85
Mol.Weight = 127.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Formamide, N-cyclohexyl- (8CI9CI)

Mol. Formula =
C7H13NO

Misc. Info. =

7

Ethane, 1,1'-oxybis[	
00111-96-6	70
2-Butanol, 1-methoxy	
53778-73-7	42
Ethanamine, N-methyl	
00624-78-2	31
2,5,8,11,14-Pentaoxa	
00143-24-8	29
Ethanol, 2-ethoxy- (	
00110-80-5	27
2-Propanol, 1-methox	
03587-64-2	26
Ethene, (2-methoxyet	
01663-35-0	25
Ethanol, 2-[2-(2-met	
00112-35-6	20
Butane, 2-methoxy-3-	
62016-49-3	20



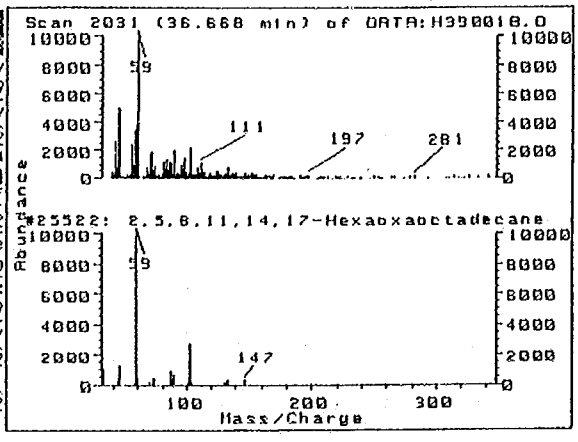
Entry# = 4850 CAS Num = 00111-96-6
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethane, 1,1'-oxybis[2-methoxy- (9CI)

Mol. Formula =
C6H14O3

Misc. Info. =
Carbohydrates;

8

2,5,8,11,14,17-Hexac	
01191-87-3	63
Propanoic acid, 2-hy	
02110-78-3	49
Ethane, 1,2-diethoxy	
00629-14-1	46
2,5,8,11,14-Pentaoxa	
00143-24-8	44
Ethane, 1,1'-oxybis[	
00111-96-6	42
1,8-Nonanediol, 8-me	
54725-73-4	40
2-Butanone, 3-hydrox	
00115-22-0	39
Propanoic acid, 2-hy	
00080-55-7	36
Cyclooctanemethanol,	
16624-06-9	36



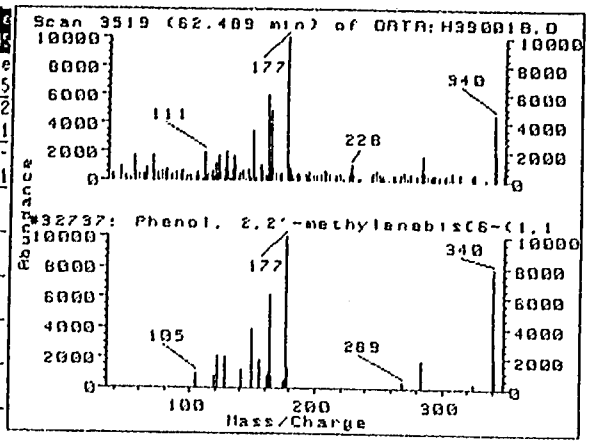
Entry# = 25522 CAS Num = 01191-87-3
Company ID Num = NBS 9/85
Mol.Weight = 266.172 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11,14,17-Hexaoxaoctadecane (8CI9CI)

Mol. Formula =
C12H26O6

Misc. Info. =

9

Phenol, 2,2'-methyle	
00119-47-1	45
Phenol, 2,2'-methyle	
55334-55-9	15
4(1H)-Pteridinone, 2	
13040-58-9	11
2-Pyrimidinamine, 4-	
05734-63-4	11



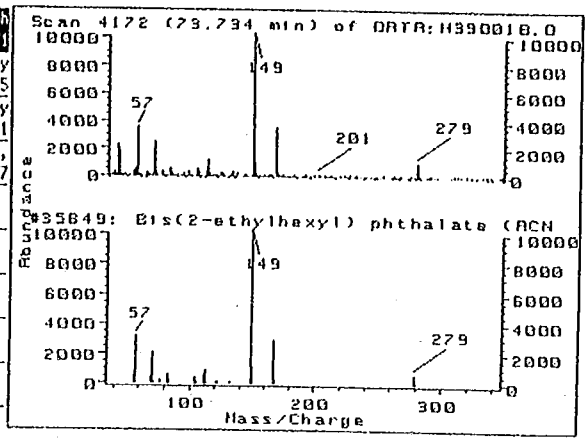
Entry# = 32737 CAS Num = 00119-47-1
Company ID Num = NBS 9/85
Mol.Weight = 340.239 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,2'-methylenebis(6-(1,1-dimethylethyl)-4-methyl- (9CI)

Mol. Formula =
C23H32O2

Misc. Info. =

10

Bis(2-ethylhexyl) ph	
00117-81-7	71
1,2-Benzenedicarboxy	
00603-11-2	45
1,2-Benzenedicarboxy	
00085-69-8	31
Furo[3,2-b]pyridine,	
69022-83-9	27



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

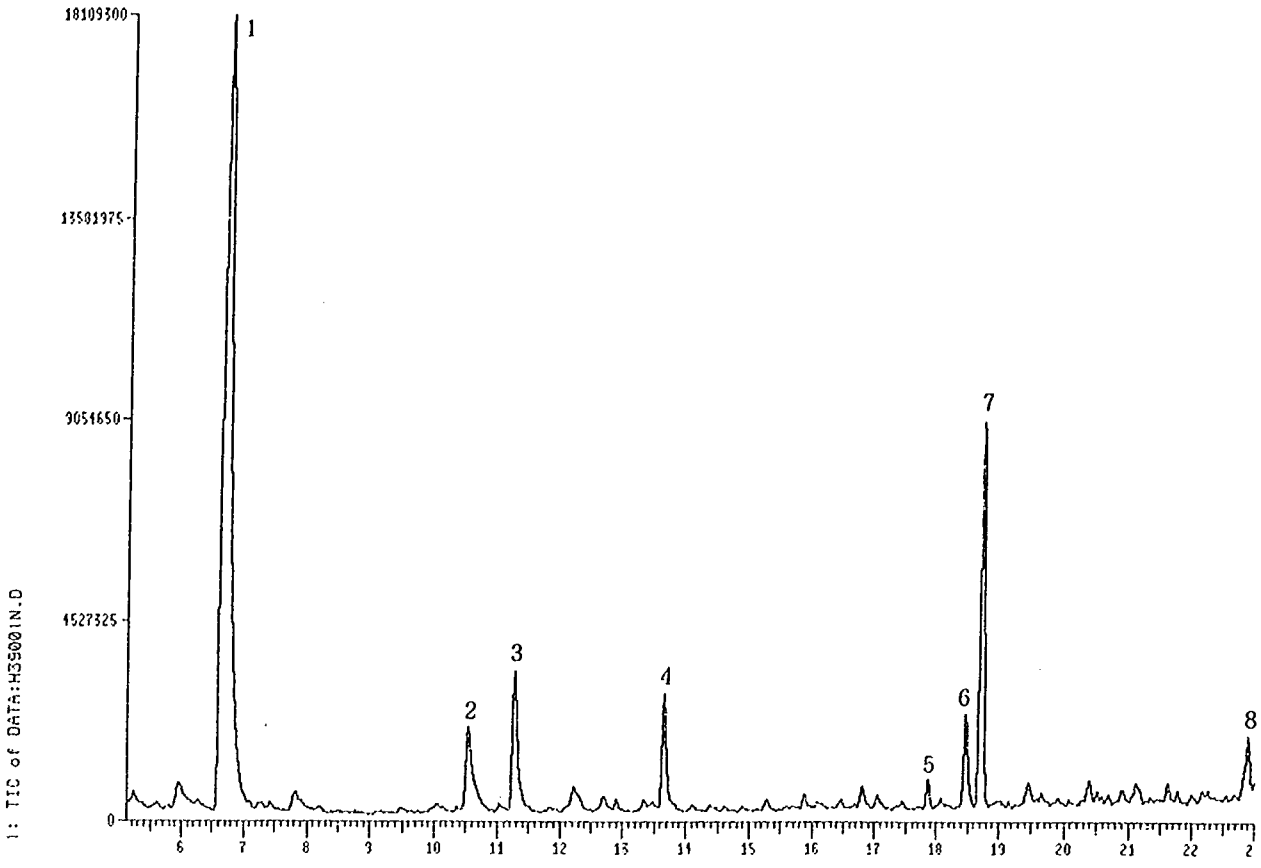
Misc. Info. =
Pesticides; Priority Pollutants;

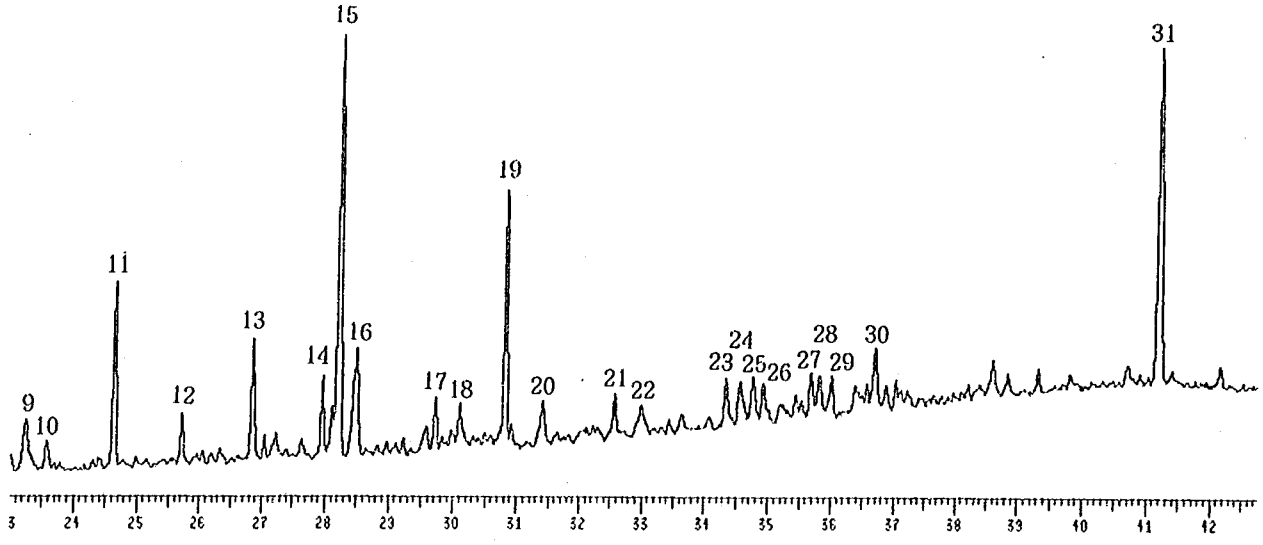
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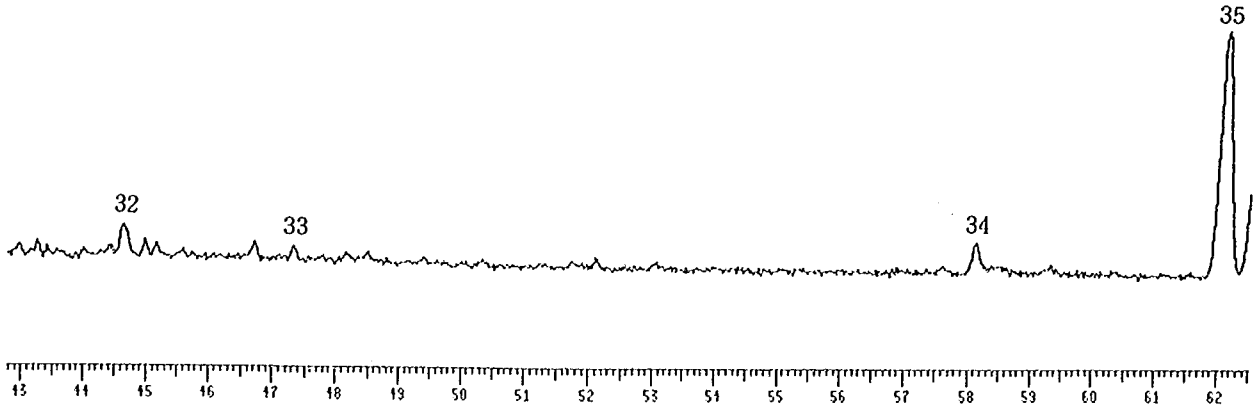
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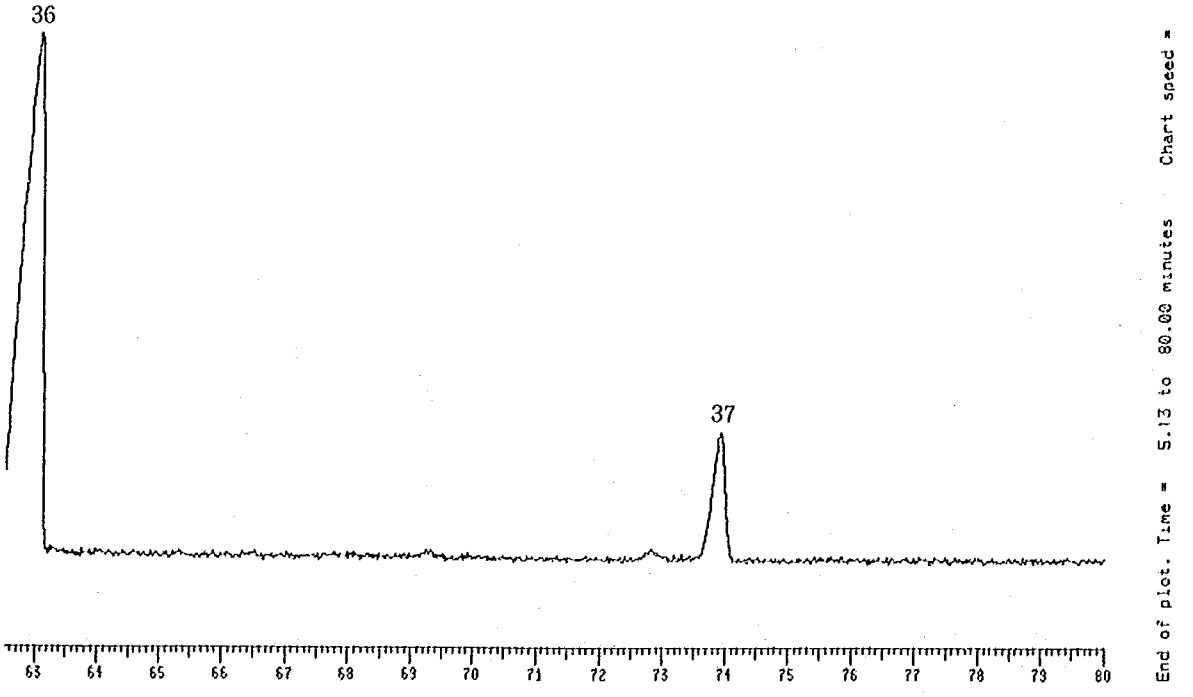
H39001N

No	Name
1	unknown
2	Cyclohexane, isocyanato-
3	1-Pentene, 4,4-dimethyl-
4	Benzeneacetic acid, .alpha.-oxo-, ethyl ester
5	unknown
6	Benzothiazole
7	Thiourea, N,N'-dicyclohexyl-
8	unknown
9	Phenol, 2-(1,1-dimethylethyl)-6-methyl-
10	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester
11	Benzene, 1,1'-oxybis-
12	unknown
13	unknown
14	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]-
15	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
16	unknown
17	1,5,9-Cyclododecatriene, 1,5,9-trimethyl-
18	Phenol, bis(1-methylpropyl)-
19	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl -1,3-propanediyl ester
20	unknown
21	Ethyl citrate
22	unknown
23	2H-Imidazo[4,5-b]pyridin-2-one, 1,3-dihydro-
24	unknown
25	Phenol, 4-dodecyl-
26	unknown
27	1H-Indole, 5-fluoro-
28	Ethanol, 2-chloro-, phosphate (3:1)
29	Phenol, 2,6-bis(1,1-dimethylethy)-4-ethyl-
30	unknown
31	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
32	Urea, N,N'-dicyclohexyl-
33	unknown
34	unknown
35	unknown
36	Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl-
37	1,2-Benzenedicarboxylic acid, 3-nitro-


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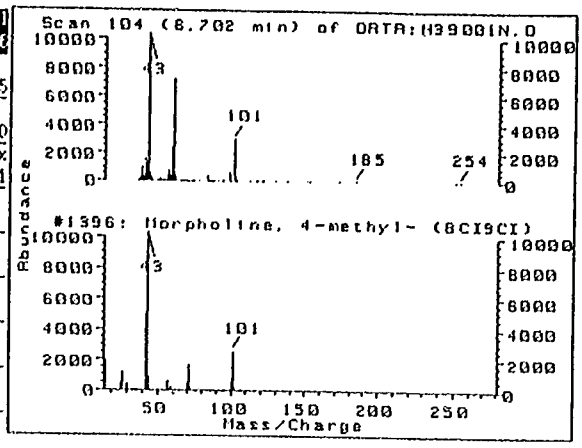

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37
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot.. Time = 5.13 to 80.00 minutes Chart speed = 1.24 cm/min

1

Morpholine, 4-methyl	
00109-02-4	26
Butane (8CI9CI)	
00106-97-8	25
Guanidine (8CI9CI)	
00113-00-8	20
2-Butanone, 3-hydrox	
00115-22-0	11



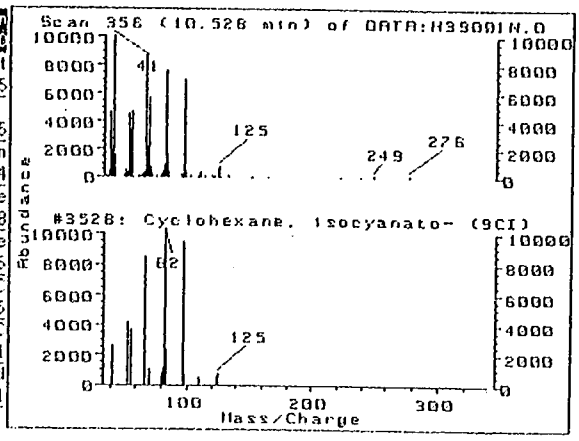
Entry# = 1396 CAS Num = 00109-02-4
Company ID Num = NBS 9/85
Mol.Weight = 101.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Morpholine, 4-methyl- (8CI9CI)

Mol. Formula =
C5H11NO

Misc. Info. =

2

Cyclohexane, isocyan	
03173-53-3	90
Isoxazole, 3,5-dimet	
00300-87-8	25
3-Hexyne (8CI9CI)	
00928-49-4	25
9-fizabicyclo[6.1.0]n	
66387-85-7	24
Bicyclo[3.1.0]hexane	
00285-58-5	18
1,6-Heptadiene, 2-me	
13643-06-6	15
Heptanedinitrile (9C	
00646-20-8	15
1,7-Octadiene (8CI9C	
03710-30-3	11
1,3-Butadiene, 2,3-d	
00513-81-5	11



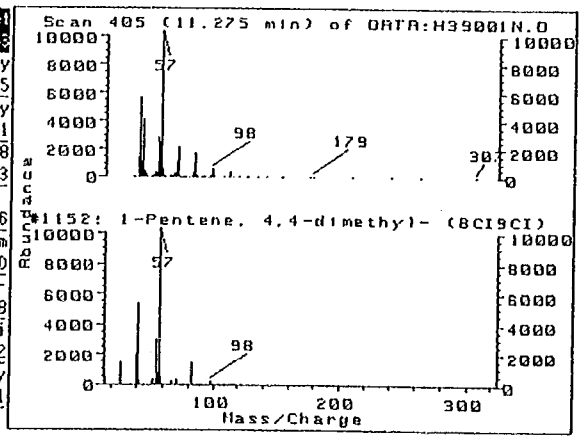
Entry# = 3528 CAS Num = 03173-53-3
Company ID Num = NBS 9/85
Mol.Weight = 125.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexane, isocyanato- (9CI)

Mol. Formula =
C7H11NO

Misc. Info. =

3

1-Pentene, 4,4-dimet	
00762-62-9	68
Methanamine, N-penty	
10599-75-4	45
Methanamine, N-hepty	
06898-71-1	41
Heptane, 2-bromo- (8	
01974-04-5	33
1-Hexanol, 2-ethyl-	
00104-76-7	26
1-Hexene, 3,5,5-trim	
04316-65-8	20
1-Heptene, 3-methyl-	
04810-09-7	18
Cyclopentane, 1,2-di	
02452-99-5	12
Pentane, 2,4-dimethy	
00597-45-5	11



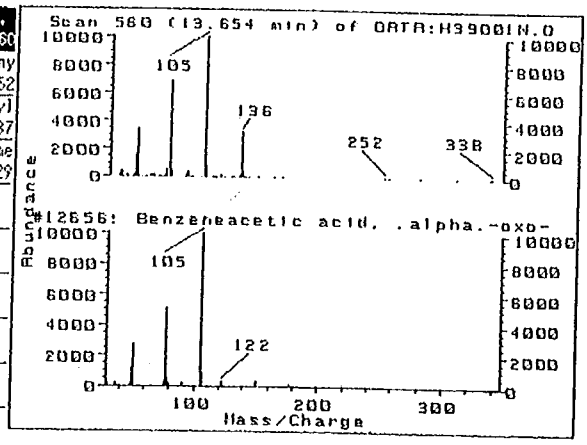
Entry# = 1152 CAS Num = 00762-62-9
Company ID Num = NBS 9/85
Mol.Weight = 98.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Pentene, 4,4-dimethyl- (8CI9CI)

Mol. Formula =
C7H14

Misc. Info. =

4

Benzeneacetic acid,	
01603-79-8	60
Ethanedione, dipheny	
00134-81-6	52
Benzoic acid, methyl	
00093-58-3	37
Benzeneethanol, 4-me	
00699-02-5	29



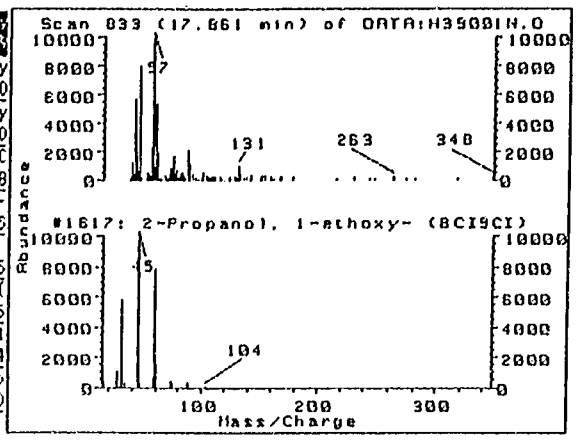
Entry# = 12656 CAS Num = 01603-79-8
Company ID Num = NBS 9/85
Mol.Weight = 178.062 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzeneacetic acid, .alpha.-oxo-, ethyl ester (9CI)

Mol. Formula =
C10H10O3

Misc. Info. =

5

2-Propanol, 1-ethoxy	
01569-02-4	48
1-Propanol, 2-ethoxy	
19089-47-5	40
Ethanol, 2-(2-butoxy	
00112-34-5	30
Ethane, methoxy- (9C	
00540-67-0	28
Propane, 2-methyl-1-	
15268-49-2	26
Paraldehyde	
00123-63-7	25
Hexane, 3-methoxy- (	
54658-01-4	25
3-Hexanol, 2,3-dimet	
04166-46-5	24
2-Propanol, 1-(2-pro	
21460-36-6	20



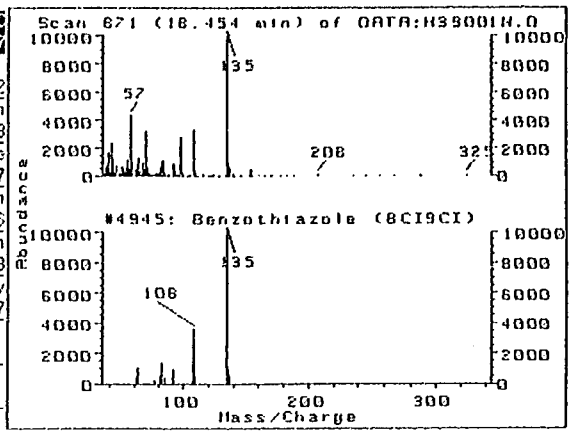
Entry# = 1617 CAS Num = 01569-02-4
Company ID Num = NBS 9/85
Mol.Weight = 104.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-ethoxy- (8CI9CI)

Mol. Formula =
C5H12O2

Misc. Info. =
Carbohydrates;

6

Benzothiazole (8CI9C	
00095-16-9	67
1,2-Benzisothiazole	
00272-16-2	42
Thieno[3,2-c]pyridin	
00272-14-0	38
Thiocyanic acid, phe	
05285-87-0	37
Thieno[2,3-c]pyridin	
00272-12-8	36
Benzene, isothiocyan	
00103-72-0	28
3H-Pyrazolo[3,4-c]py	
53975-70-5	27



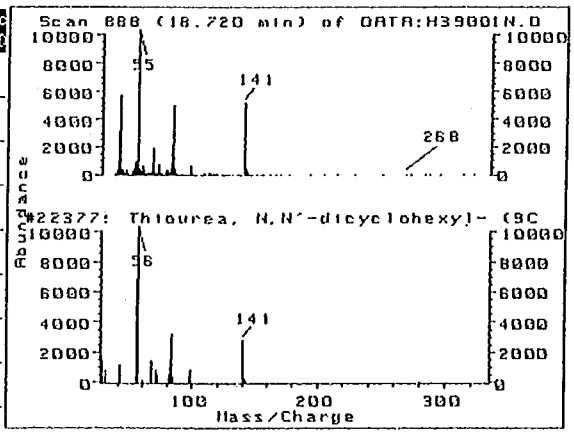
Entry# = 4945 CAS Num = 00095-16-9
Company ID Num = NBS 9/85
Mol.Weight = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole (8CI9CI)

Mol. Formula =
C7H5NS

Misc. Info. =

7

Thiourea, N,N'-dicyc	
01212-29-9	70



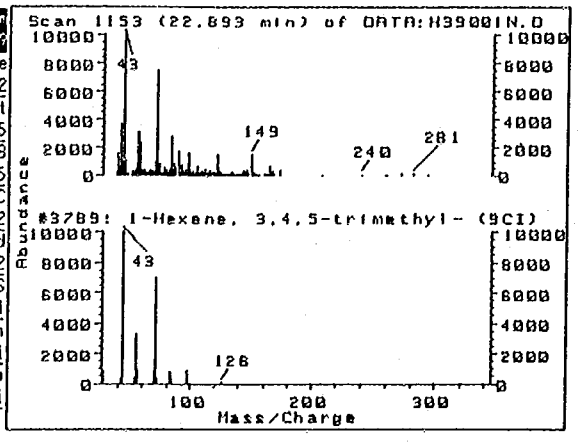
Entry# = 22377 CAS Num = 01212-29-9
Company ID Num = NBS 9/85
Mol.Weight = 240.165 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Thiourea, N,N'-dicyclohexyl- (9CI)

Mol. Formula =
C13H24N2S

Misc. Info. =

8

1-Hexene, 3,4,5-trim	
56728-10-0	59
Propanoic acid, 2-me	
74367-33-2	52
1-Penten-3-ol, 3-met	
00918-85-4	35
Pentane, 3-bromo- (8	
01809-10-5	35
Butenol, methyl- (9C	
60766-00-9	32
Butanoic acid, 2,3-d	
00557-25-5	32
Butanethioic acid, S	
02432-52-2	31
Furan, 2-butyltetrah	
01004-29-1	31
3-Buten-2-ol, 2-meth	
00115-18-4	31



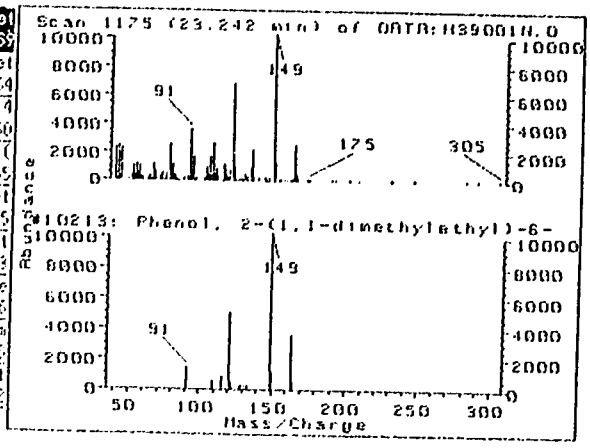
Entry# = 3789 CAS Num = 56728-10-0
Company ID Num = NBS 9/85
Mol.Weight = 126.140 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Hexene, 3,4,5-trimethyl- (9CI)

Mol. Formula =
C9H18

Misc. Info. =

9

Phenol, 2-(1,1-dimet	
02219-82-1	69
Phenol, 2-(1,1-dimet	
00088-60-8	64
Naphthalene, 1,2,3,4	
55976-09-5	60
Benzeneethanol, 4-(	
00877-65-6	55
Phenol, 2-(1,1-dimet	
13037-79-1	55
Phenol, 2-(1,1-dimet	
02409-55-4	53
Benzene, 1-(1,1-dime	
05396-38-3	46
Benzene, 1-butyl-4-m	
18272-84-9	46
Phenol, 4-(1,1-dimet	
00098-27-1	42



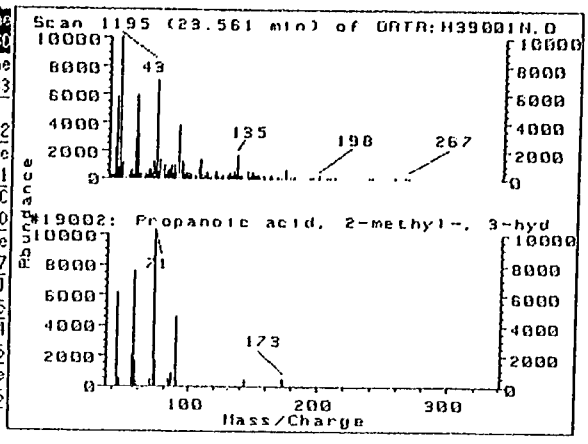
Entry# = 10213 CAS Num = 02219-82-1
Company ID Num = NBS 9/85
Mol.Weight = 164.119 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2-(1,1-dimethylethyl)-6-methyl- (9CI)

Mol. Formula =
C11H16O

Misc. Info. =

10

Propanoic acid, 2-me	
74367-34-3	60
Propanoic acid, 2-me	
00097-87-0	33
Ethane, isocyanato-	
00109-90-0	32
Methylamine, N-(1-me	
22058-71-5	31
Oxirane, pentyl- (9C	
05063-65-0	30
Propanoic acid, 2-me	
74367-31-0	27
Butane, 2,2-dimethyl	
00075-83-2	25
Pentane, 1-bromo-3,4	
06570-92-9	25
Cyanic acid, ethyl e	
00627-48-5	25



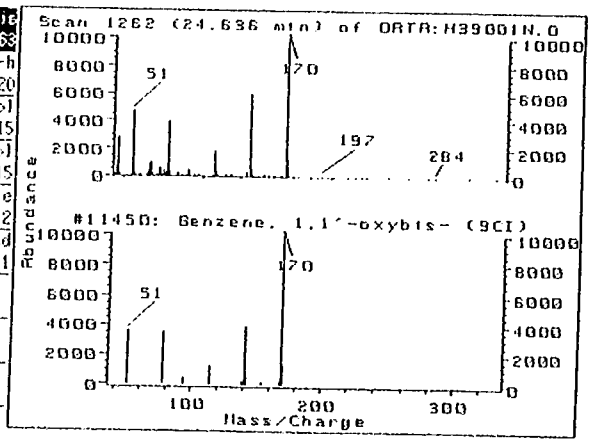
Entry# = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester (9CI)

Mol. Formula =
C12H24O3

Misc. Info. =

11

Benzene, 1,1'-oxybis	
00101-84-8	69
Quinaldonitrile, 3-h	
15462-43-8	20
[1,1'-Biphenyl]-3-ol	
00580-51-8	15
[1,1'-Biphenyl]-4-ol	
00092-69-3	15
1,4-Methanonaphthale	
04453-90-1	12
1H,3H-Naphtho[1,8-cd	
00203-84-9	11



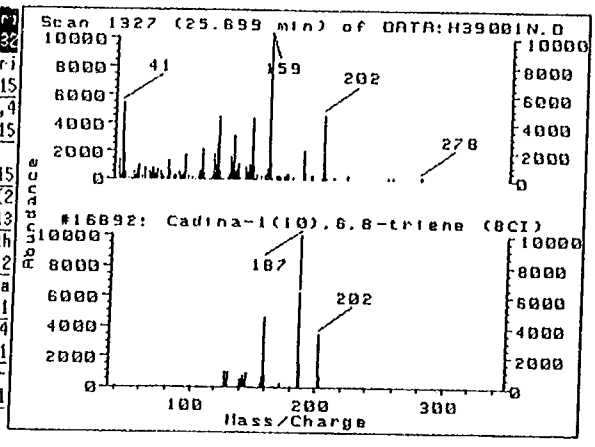
Entry# = 11450 CAS Num = 00101-84-8
Company ID Num = NBS 9/85
Mol.Weight = 170.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, 1,1'-oxybis- (9CI)

Mol. Formula =
C12H10O

Misc. Info. =
Pesticides;

12

Cadina-1(10),6,8-tri	
01460-96-4	32
1H-Indole, 5,6,7-tri	
54340-99-7	15
Naphthalene, 1,2,3,4	
00483-77-2	15
Trametone	
04976-25-4	15
2(5H)-Furanone, 5-(2	
55591-07-6	13
8-Quinolinol, 4-meth	
03846-73-9	12
1,8-Naphthyridin-2-a	
01568-93-0	11
2(1H)-Quinolinone, 4	
00607-66-9	11
Quinoline, 4-methyl-	
04053-40-1	11



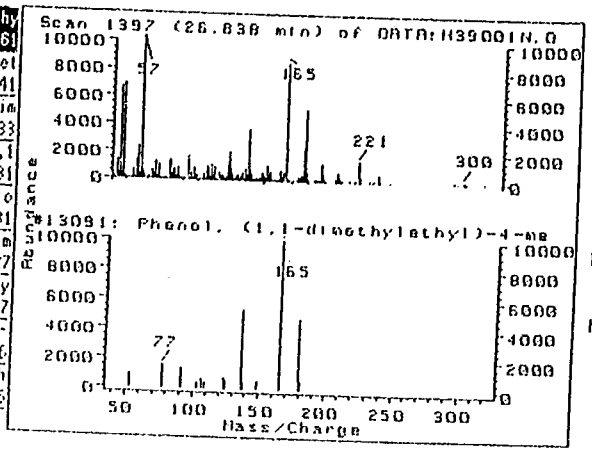
Entry# = 16892 CAS Num = 01460-96-4
Company ID Num = NBS 9/85
Mol.Weight = 202.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cadina-1(10),6,8-triene (8CI)

Mol. Formula =
C15H22

Misc. Info. =

13

Phenol, (1,1-dimethy	
25013-16-5	61
Ethanol, 2-(4-(1-met	
54576-35-1	41
Ethanone, 1-(2,5-dim	
01201-38-3	33
Benzenethiol, 4-(1,1	
15570-10-2	31
Ethanone, 1-(2-hydro	
04223-84-1	31
Thiazolo[5,4-d]pyrim	
19835-21-3	27
9H-Fluorene, 9-methy	
02523-37-7	27
3-Buten-2-one, 4-(4-	
03160-40-5	26
Silane, (4-methoxyph	
00877-68-9	25



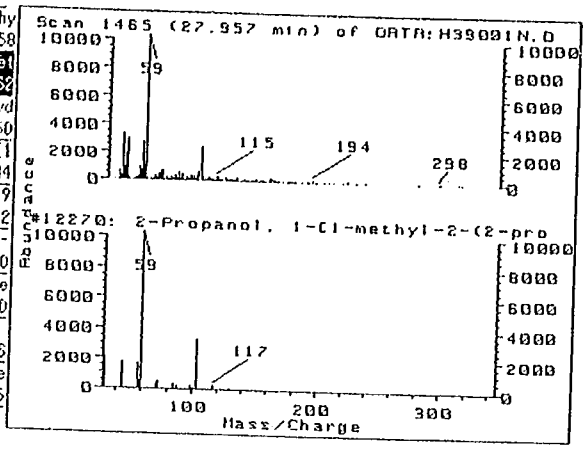
Entry# = 13091 CAS Num = 25013-16-5
Company ID Num = NBS 9/85
Mol.Weight = 180.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, (1,1-dimethylethyl)-4-methoxy- (9CI)

Mol. Formula =
C11H16O2

Misc. Info. =
Drugs; Pesticides;

14

Propanoic acid, 2-hy	
02110-78-3	58
2-Propanol, 1-(1-met	
55956-25-7	52
1-Propanol, 2-(2-hyd	
00106-62-7	50
2-Propanol, 1,1'-((1	
01638-16-0	44
Silane, hexyl- (8CI9	
01072-14-6	42
Butane, 2-methoxy-3-	
62016-49-3	40
2-Pentanol, 2,3-dime	
04911-70-0	40
3-Nonanol (8CI9CI)	
00624-51-1	36
2-Pentanol, 2,4-dime	
00625-06-9	35



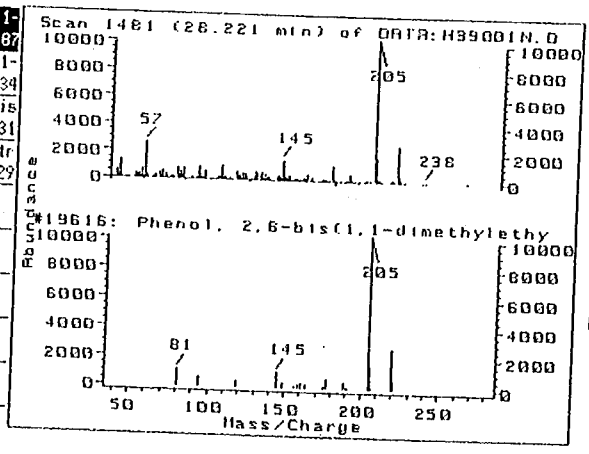
Entry# = 12270 CAS Num = 55956-25-7
Company ID Num = NBS 9/85
Mol.Weight = 174.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-(1-methyl-2-(2-propenyloxy)ethoxy)- (9CI)

Mol. Formula =
C9H18O3

Misc. Info. =
Carbohydrates;

15

Phenol, 2,6-bis(1,1-	
00128-37-0	87
Phenol, 2,6-bis(1,1-	
01918-11-2	34
1,3-Dioxa-2,4,6-tris	
17945-19-6	31
2-Phenazinecarbonitr	
06479-93-2	29



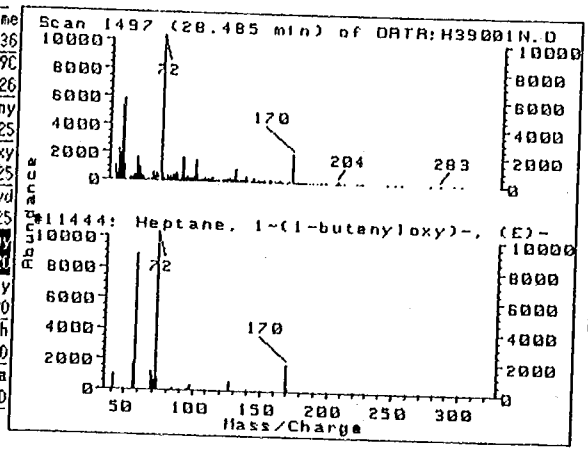
Entry# = 19616 CAS Num = 00128-37-0
Company ID Num = NBS 9/85
Mol.Weight = 220.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (9CI)

Mol. Formula =
C15H24O

Misc. Info. =
Drugs; Pesticides;

16

2-Propanol, 1-((1-me	
19343-24-9	36
2-Propenoic acid (9C	
00079-10-7	26
Hydrazine, 2-propeny	
07422-78-8	25
1-Propene, 3-methoxy	
00627-40-7	25
Cyclohexanone, 4-hyd	
17429-06-0	25
Heptane, 1-(1-buteny	
56052-80-3	20
Heptane, 1-(1-buteny	
56052-79-0	20
2-Pentanamine, N-eth	
42966-64-3	20
Pentanoic acid, 2-(a	
05699-55-8	20



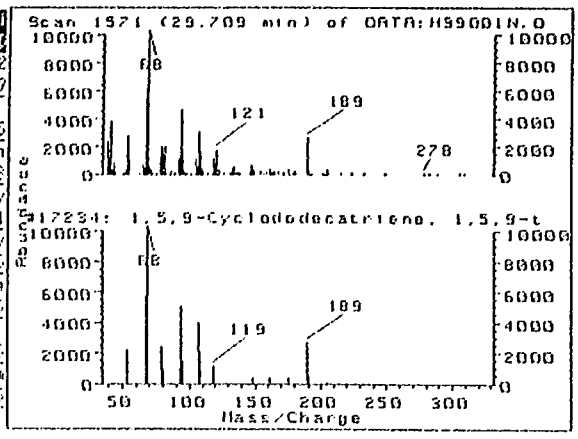
Entry# = 11444 CAS Num = 56052-80-3
Company ID Num = NBS 9/85
Mol.Weight = 170.166 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Heptane, 1-(1-butenyloxy)-, (E)- (9CI)

Mol. Formula =
C11H22O

Misc. Info. =

17

1,5,9-Cyclododecatri	
21064-19-7	9
Bicyclo[2.2.1]hept-2	
00464-17-5	47
D-Limonene	
05989-27-5	46
Cyclohexene, 4-ethen	
01743-61-9	43
Cyclohexene, 1-methy	
07705-14-8	41
Cyclohexene, 1-methy	
05989-54-8	35
Cyclohexanol, 1-meth	
10198-23-9	25
1H-Imidazole (9CI)	
00288-32-4	15
Cyclopropane, 1,1'-m	
05685-47-2	15



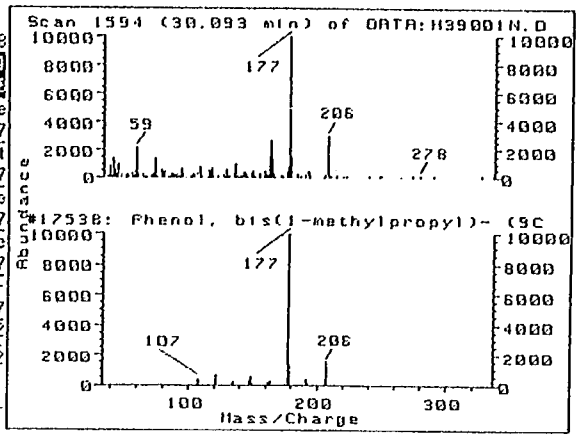
Entry# = 17234 CAS Num = 21064-19-7
Company ID Num = NBS 9/85
Mol.Weight = 204.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,5,9-Cyclododecatriene, 1,5,9-trimethyl- (8CI9CI)

Mol. Formula =
C15H24

Misc. Info. =

18

5-Hexen-3-yn-2-one,	
29971-61-7	38
Phenol, bis(1-methyl	
31291-60-8	38
Phenol, 2,6-bis(1-me	
05510-99-6	37
Phenol, 2-(1,1-dimet	
52184-13-1	37
Phenol, 2,5-bis(1-me	
54932-77-3	37
Phenol, 2,4-bis(1-me	
01849-18-9	27
4-Pyrimidinamine, 5-	
58758-95-5	27
4(1H)-Pteridinone, 2	
13040-58-9	25



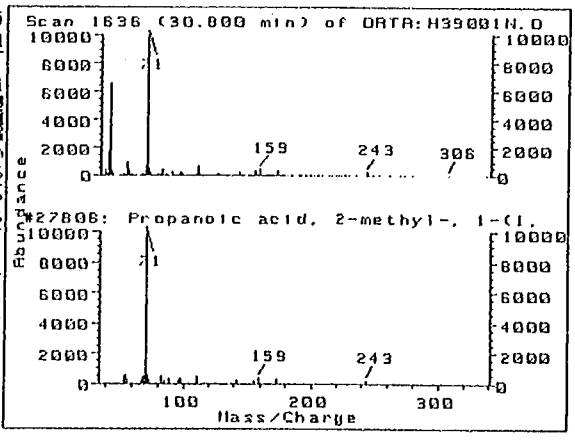
Entry# = 17538 CAS Num = 31291-60-8
Company ID Num = NBS 9/85
Mol.Weight = 206.166 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, bis(1-methylpropyl)- (9CI)

Mol. Formula =
C14H22O

Misc. Info. =

19

2,6-Octadiene-4,5-di	
04486-59-3	41
Ethane, isocyanato-	
00109-90-0	41
Propanoic acid, 2-me	
74381-40-1	33
1-Hexene, 3,4,5-trim	
56728-10-0	15
Butanoic acid, 2-pro	
02051-78-7	15



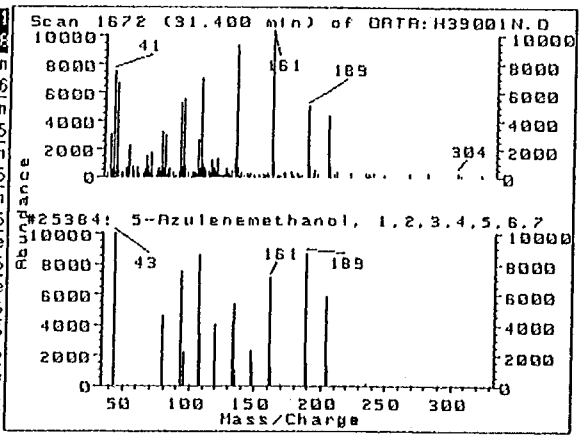
Entry# = 27808 CAS Num = 74381-40-1
Company ID Num = NBS 9/85
Mol.Weight = 286.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester (9CI)

Mol. Formula =
C16H30O4

Misc. Info. =

20

5-Azulenemethanol, 1	
00134-28-1	28
4H-1-Benzopyran-4-on	
69687-93-0	26
4H-1-Benzopyran-4-on	
51423-98-4	25
4H-1-Benzopyran-4-on	
69687-92-9	25
4H-1-Benzopyran-4-on	
51423-97-3	25
1H-3a,7-Methanoazule	
00560-32-7	25
1H-Cyclopropa[e]azule	
21747-46-6	25
Naphthalene, 1,2,3,5	
10219-75-7	25
1H-Cyclopropa[e]azule	
00489-39-4	24



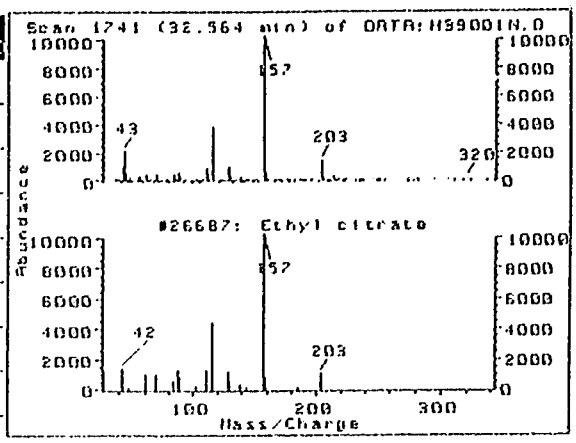
Entry# = 25384 CAS Num = 00134-28-1
Company ID Num = NBS 9/85
Mol.Weight = 264.208 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
5-Azulenemethanol, 1,2,3,4,5,6,7,8-octahydro-.alpha.,.alpha.,3,8-tetramethyl-, acetate, [3S-(3.alpha., 5.alpha.,8.alpha.)]- (9CI)

Mol. Formula =
C17H28O2

Misc. Info. =

21

Ethyl citrate	
00077-93-0	70



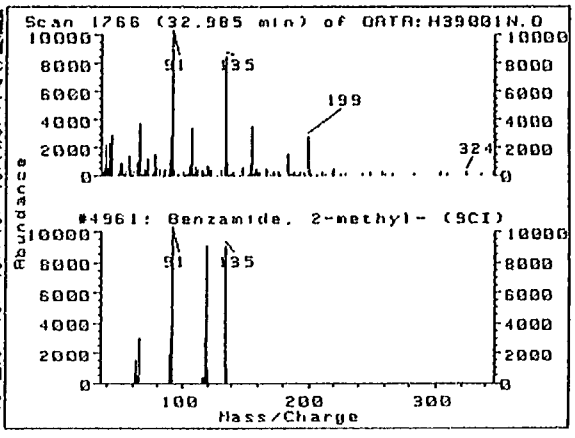
Entry# = 26687 CAS Num = 00077-93-0
Company ID Num = NBS 9/85
Mol.Weight = 276.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethyl citrate

Mol. Formula =
C12H20O7

Misc. Info. =

22

Benzamide, 2-methyl-	
00527-85-5	27
Oxiranecarboxylic ac	
54852-65-2	27
Benzoyl chloride, 2-	
21615-34-9	25
Benzothiazole (8CI)9C	
00095-16-9	25
Benzeneacetonitrile,	
00459-22-3	25
2,1-Benzisoxazol-3(1	
31499-90-8	25
Benzeneacetonitrile,	
00501-00-8	25
1H-Indole, 5-fluoro-	
00399-52-0	25
3-Buten-2-one, 4-(1H	
02433-57-0	25



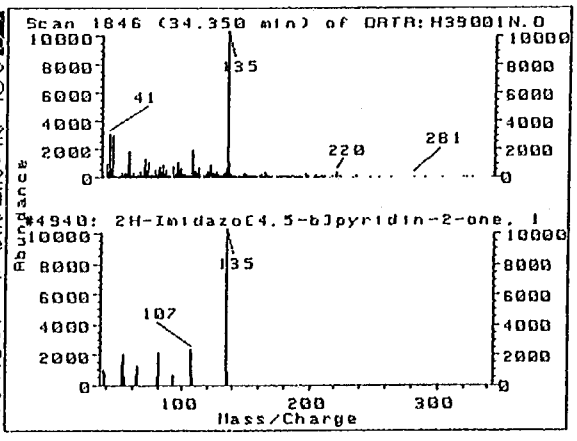
Entry# = 4961 CAS Num = 00527-85-5
Company ID Num = NBS 9/85
Mol.Weight = 135.068 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzamide, 2-methyl- (9CI)

Mol. Formula =
C8H9NO

Misc. Info. =

23

2H-Imidazo[4,5-b]pyr	
16328-62-4	60
Benzoic acid, 4-(bro	
06232-88-8	60
Adenine (VANBCI)	
00073-24-5	42
Pyridine, 4-ethyl-2,	
36917-36-9	42
Tricyclo[3.3.1.13,7]	
54564-31-7	42
Silane, trimethylphe	
00768-32-1	41
1,2-Benzisothiazole	
00272-16-2	41
Benzoic acid, 2-meth	
65220-51-1	40
Thieno[2,3-c]pyridin	
00272-12-8	39



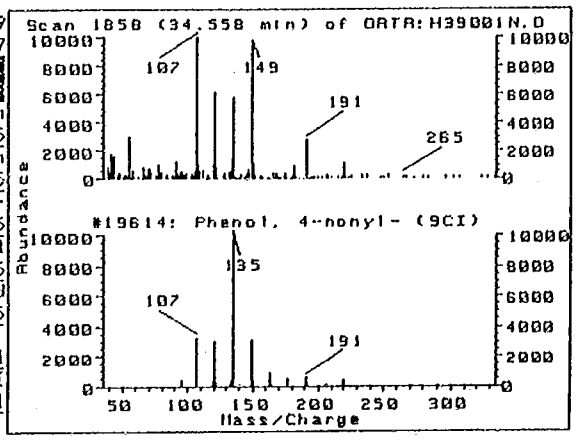
Entry# = 4940 CAS Num = 16328-62-4
Company ID Num = NBS 9/85
Mol.Weight = 135.043 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2H-Imidazo[4,5-b]pyridin-2-one, 1,3-dihydro- (8CI)C
1)

Mol. Formula =
C6H5N3O

Misc. Info. =
Alkaloids;

24

Phenol, nonyl- (8CI)9	
25154-52-3	47
Phenol, 4-nonyl- (9C	
00104-40-5	28
Acetamide, N-(3-meth	
00537-92-8	25
Acetamide, N-(2-meth	
00120-66-1	25
Acetamide, N-methyl-	
00579-10-2	25
Butanamide, N-(2-met	
00093-68-5	15
Carbamodithioic acid	
16696-88-1	15
D-Tyrosine (9CI)	
00556-02-5	11
Phenol, 2-methyl-4-(	
02219-84-3	11



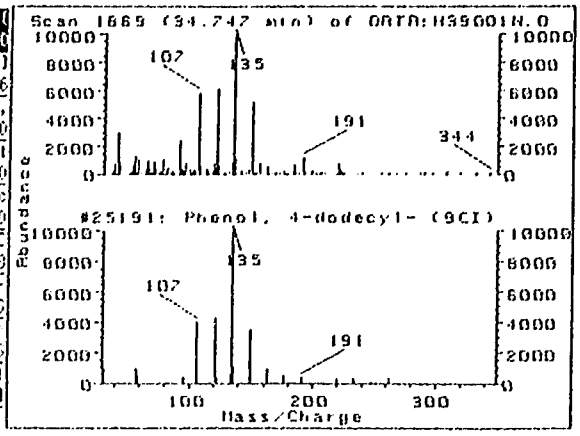
Entry# = 19614 CAS Num = 00104-40-5
Company ID Num = NBS 9/85
Mol.Weight = 220.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 4-nonyl- (9CI)

Mol. Formula =
C15H24O

Misc. Info. =

25

Phenol, 4-dodecyl- (	
00104-43-8	76
Tricyclo[4.3.1.13,8]	
27011-47-8	36
Benzeneacetonitrile,	
00501-00-8	30
Benzene, (1-ethoxyet	
03299-05-6	30
Oxiranecarboxylic ac	
54852-05-2	30
Phenol, 4-nonyl- (9C	
00104-40-5	28
1H-Indole, 5-fluoro-	
00399-52-0	26
2H-Imidazo[4,5-b]pyr	
16328-62-4	26
Benzenamine, 2,4,6-t	
00088-05-1	24



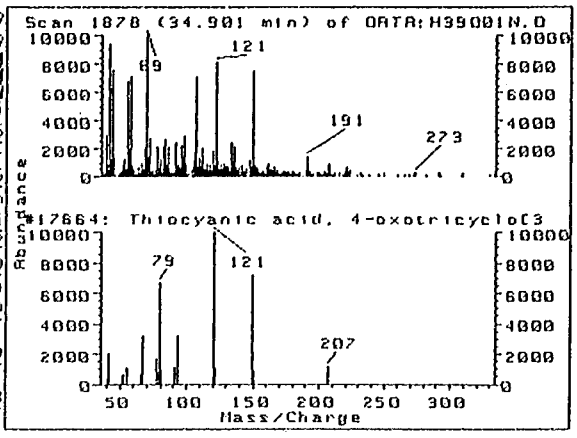
Entry# = 25191 CAS Num = 00104-43-8
Company ID Num = NBS 9/85
Mol.Weight = 262.228 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 4-dodecyl- (9CI)

Mol. Formula =
C18H30O

Misc. Info. =

26

Phenol, nonyl- (8CI9	
25154-52-3	59
Thiocyanic acid, 4-o	
56781-89-6	29
Benzenepropanoic aci	
15463-91-9	25
2H-Indol-2-one, 1,3-	
03416-18-0	25
Benzenamine, 3,5-dim	
00108-69-0	21
1,5-Benzoxazepine, 2	
07160-97-6	20
Cyclohexane, 1-ethen	
03242-08-8	20
Formamide, N-(2,4-di	
60397-77-5	20
Pyridine, 3-ethyl-5-	
03999-78-8	18



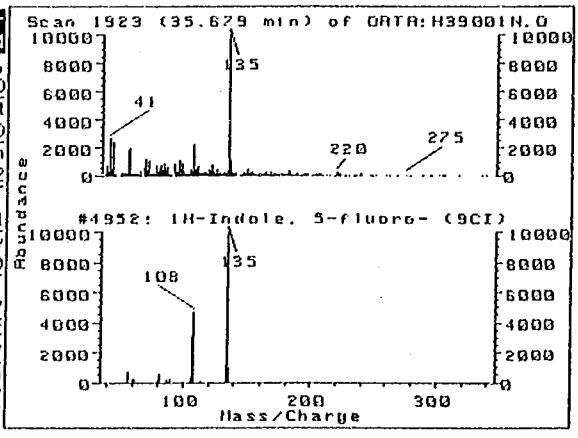
Entry# = 17664 CAS Num = 56781-89-6
Company ID Num = NBS 9/85
Mol.Weight = 207.071 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Thiocyanic acid, 4-oxotricyclo[3.3.1.13,7]dec-2-yl ester, (1.alpha.,2.beta.,3.beta.,5.alpha.,7.beta.)- (9CI)

Mol. Formula =
C11H13NOS

Misc. Info. =

27

1H-Indole, 5-fluoro-	
00399-52-0	71
Benzeneacetonitrile,	
00459-22-3	60
Phenol, 4-(1,1-dimet	
00098-54-4	60
Benzaldehyde, 3-meth	
41977-54-2	42
2H-1,4-Benzoxazine,	
05735-53-5	41
Silane, (chloromethy	
01833-51-8	40
1,2-Benzisothiazole	
00272-16-2	37
Benzothiazole (8CI9C	
00095-16-9	37
Benzoic acid, 2-meth	
65220-51-1	37



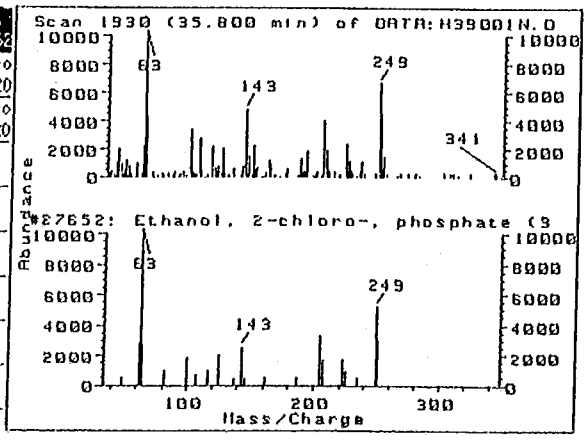
Entry# = 4952 CAS Num = 00399-52-0
Company ID Num = NBS 9/85
Mol.Weight = 135.048 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Indole, 5-fluoro- (9CI)

Mol. Formula =
C8H6FN

Misc. Info. =
Alkaloids;

28

Ethanol, 2-chloro-,	
00115-96-8	52
Butane, 2,3-dichloro	
02211-67-8	20
Butane, 2,3-dichloro	
04028-56-2	20



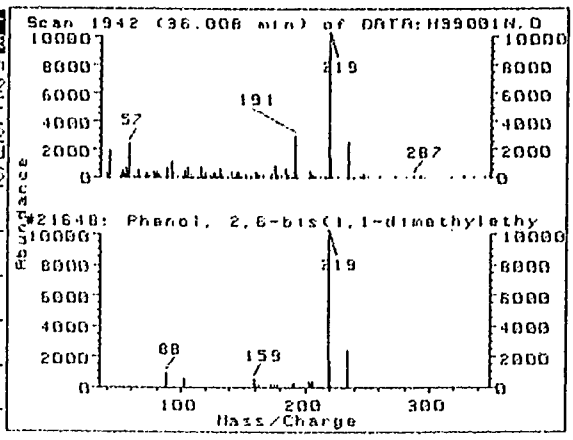
Entry# = 27652 CAS Num = 00115-96-8
Company ID Num = NBS 9/85
Mol.Weight = 283.953 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-chloro-, phosphate (3:1) (8CI9CI)

Mol. Formula =
C6H12Cl3O4P

Misc. Info. =

29

Phenol, 2,6-bis(1,1-	
04130-42-1	68
1H-Pyrrole, 2,4-diph	
03274-56-4	32
Benzenamine, 3-iodo-	
00626-01-7	26
Pyrido[3,4-d]pyrimid	
22389-81-7	26



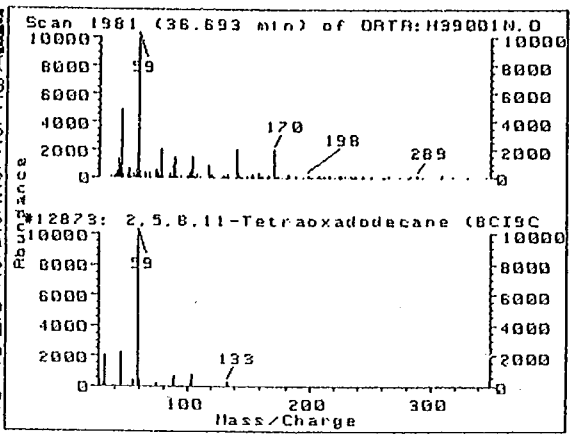
Entry# = 21648 CAS Num = 04130-42-1
Company ID Num = NBS 9/85
Mol.Weight = 234.197 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)-4-ethyl- (9CI)

Mol. Formula =
C16H26O

Misc. Info. =

30

2,5,8,11-Tetraoxadod	
00112-49-2	28
Ethanol, 2-ethoxy- (	
00110-80-5	28
Ethene, (2-ethoxy-1-	
54063-18-2	25
Formamide, N-formyl-	
18197-25-6	25
2-Propanol, 1-methox	
03587-64-2	25
2,5,8,11,14-Pentaoxa	
00143-24-8	25
Butane, 2-methoxy-3-	
62016-49-3	20
Butanoic acid, 2-hyd	
29674-47-3	20
Pentane, 2-methoxy-	
06795-88-6	20



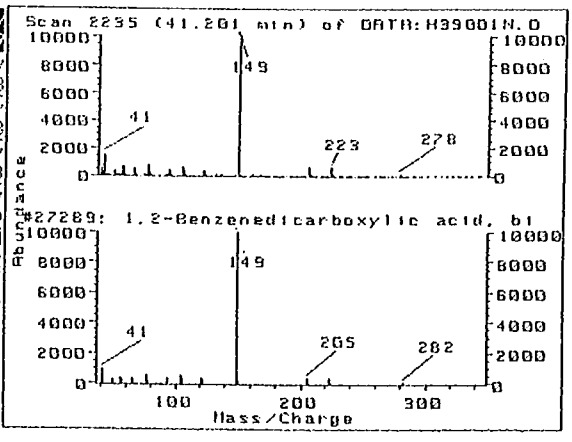
Entry# = 12873 CAS Num = 00112-49-2
Company ID Num = NBS 9/85
Mol.Weight = 178.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11-Tetraoxadodecane (8CI9CI)

Mol. Formula =
C8H18O4

Misc. Info. =
Carbohydrates;

31

1,2-Benzenedicarboxy	
00117-82-8	89
1,2-Benzenedicarboxy	
17851-53-5	88
1,2-Benzenedicarboxy	
00085-69-8	78
1,2-Benzenedicarboxy	
00084-64-0	78
1,2-Benzenedicarboxy	
00131-16-8	60
Carbamodithioic acid	
16696-88-1	52
Benzene, 1-isocyanat	
18908-07-1	42



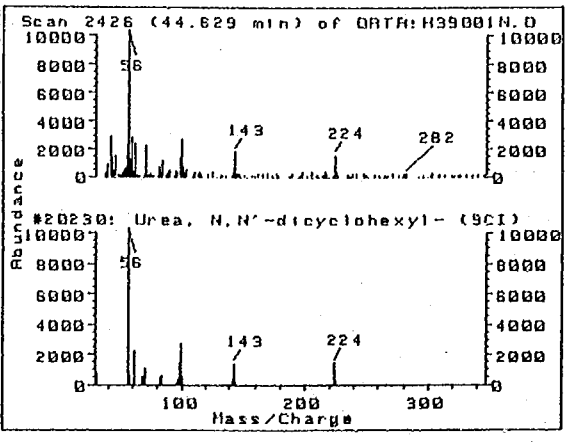
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

32

Urea, N,N'-dicyclohe	
02387-23-7	83
Propane, 1-isocyanat	
01873-29-6	29
2H-1,3-Benzoxazine,	
06638-11-5	27
Cyclobutanone, 3,3-d	
01192-33-2	26
1-Pentene, 2,4-dimet	
02213-32-3	26
1-Aziridineethanol (	
01072-52-2	26
Oxirane, (1-methylet	
01438-14-8	25
1-Butanol (9CI)	
00071-36-3	25
1-Hexene, 3,4-dimeth	
16745-94-1	25



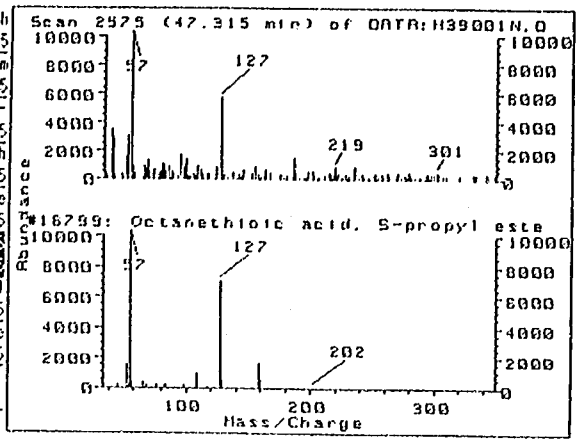
Entry# = 20230 CAS Num = 02387-23-7
Company ID Num = NBS 9/85
Mol.Weight = 224.188 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Urea, N,N'-dicyclohexyl- (9CI)

Mol. Formula =
C13H24N2O

Misc. Info. =

33

1H-Imidazole, 2-meth	
00696-23-1	25
Phosphoric acid, dim	
55955-88-9	25
1,3,5-Triazin-2(1H)-	
00645-92-1	25
1H-Imidazole, 4-meth	
14003-66-8	25
2,5-Pyrrolidinedione	
13861-59-9	25
Octanethioic acid, S	
02432-85-1	**25**
Butanamide, N-(2-ch	
00693-70-9	25
Cyclohexanone, 3-ace	
35942-13-3	25



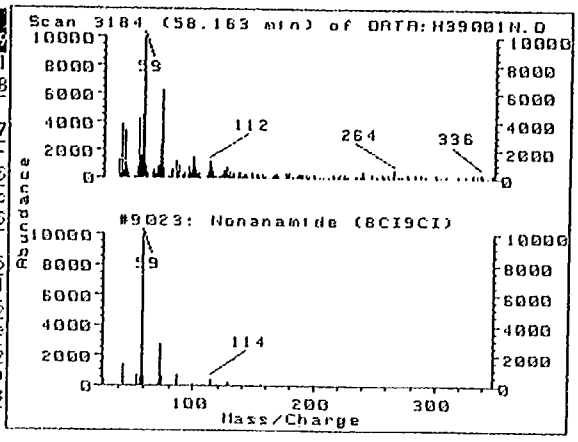
Entry# = 16799 CAS Num = 02432-85-1
Company ID Num = NBS 9/85
Mol.Weight = 202.138 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Octanethioic acid, S-propyl ester (8CI)

Mol. Formula =
C11H22OS

Misc. Info. =

34

Nonanamide (8CI9CI)	
01120-07-6	**39**
3-Heptanol, 4-methyl	
14979-39-6	28
3-Hexanol (8CI9CI)	
00623-37-0	27
Propane, 2-ethoxy-2-	
00637-92-3	26
2-Propanol, 1-(isooc	
56282-27-0	26
1-Propanamine (9CI)	
00107-10-8	25
Oxirane, tetramethyl	
05076-20-0	25
Oxepane, 2,2,3-trime	
23120-43-6	25
Cyclohexanol, 4-meth	
18068-06-9	13



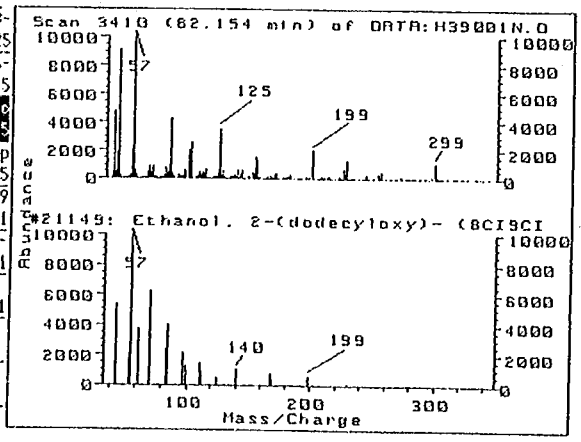
Entry# = 9023 CAS Num = 01120-07-6
Company ID Num = NBS 9/85
Mol.Weight = 157.146 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Nonanamide (8CI9CI)

Mol. Formula =
C9H19NO

Misc. Info. =

35

Oxirane, 2-methyl-3-	
06124-90-9	25
Butane, 2,2'-oxybis-	
06863-58-7	15
Ethanol, 2-(dodecylo	
04536-30-5	**15**
Butane, 1-(1-methylp	
00999-65-5	15
2-Tetradecanol (8CI9	
04706-81-4	11
2,4-Pentanedione, 3-	
01540-38-1	11
2-Heptanol (8CI9CI)	
00543-49-7	11



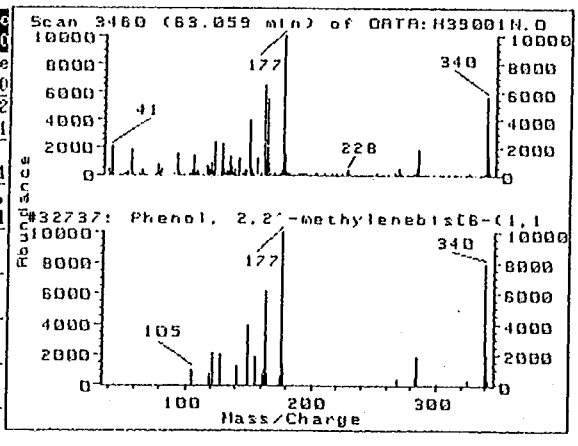
Entry# = 21149 CAS Num = 04536-30-5
Company ID Num = NBS 9/85
Mol.Weight = 230.223 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(dodecyloxy)- (8CI9CI)

Mol. Formula =
C14H30O2

Misc. Info. =
Carbohydrates;

36

Phenol, 2,2'-methyle	
00119-47-1	**70**
Phenol, 2,2'-methyle	
55334-55-9	20
2H-1,3-Benzoxazine-2	
01672-01-1	11
5-Hexen-3-yn-2-one,	
29971-61-7	11
Benzeneacetonitrile,	
00693-17-4	11



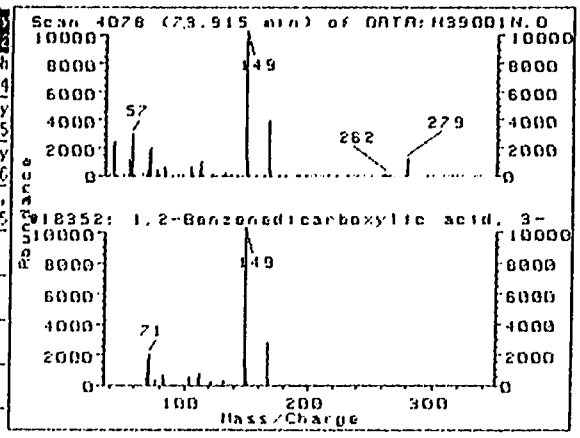
Entry# = 32737 CAS Num = 00119-47-1
Company ID Num = NBS 9/85
Mol.Weight = 340.239 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-m
ethyl- (9CI)

Mol. Formula =
C23H32O2

Misc. Info. =

37

1,2-Benzenedicarboxy	
00603-11-2	68
Bis(2-ethylhexyl) ph	
00117-81-7	44
1,2-Benzenedicarboxy	
27554-26-3	35
1,2-Benzenedicarboxy	
00065-69-8	26
Furo[3,2-b]pyridine,	
69022-83-9	25



Entry# = 18352 CAS Num = 00603-11-2
Company ID Num = NBS 9/85
Mol.Weight = 211.011 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, 3-nitro- (9CI)

Mol. Formula =
C8H5NO6

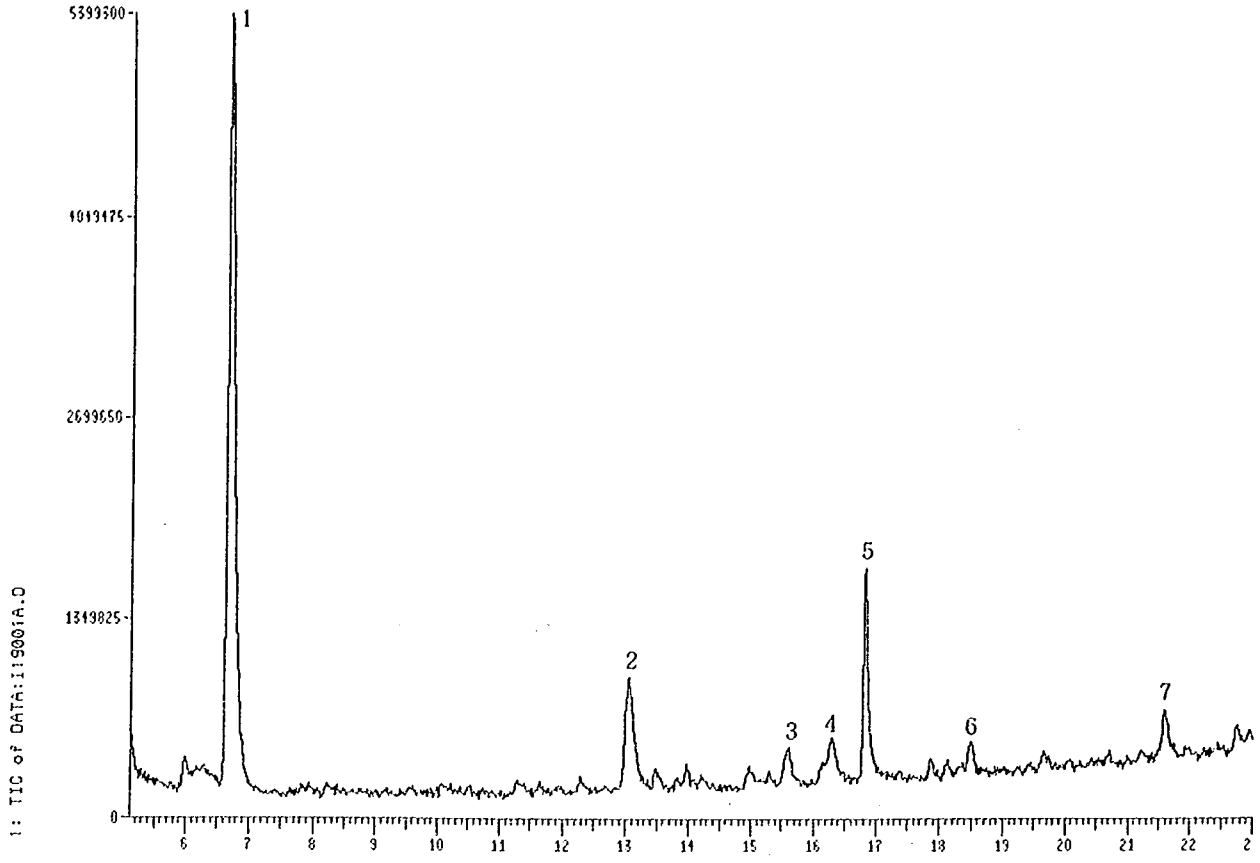
Misc. Info. =

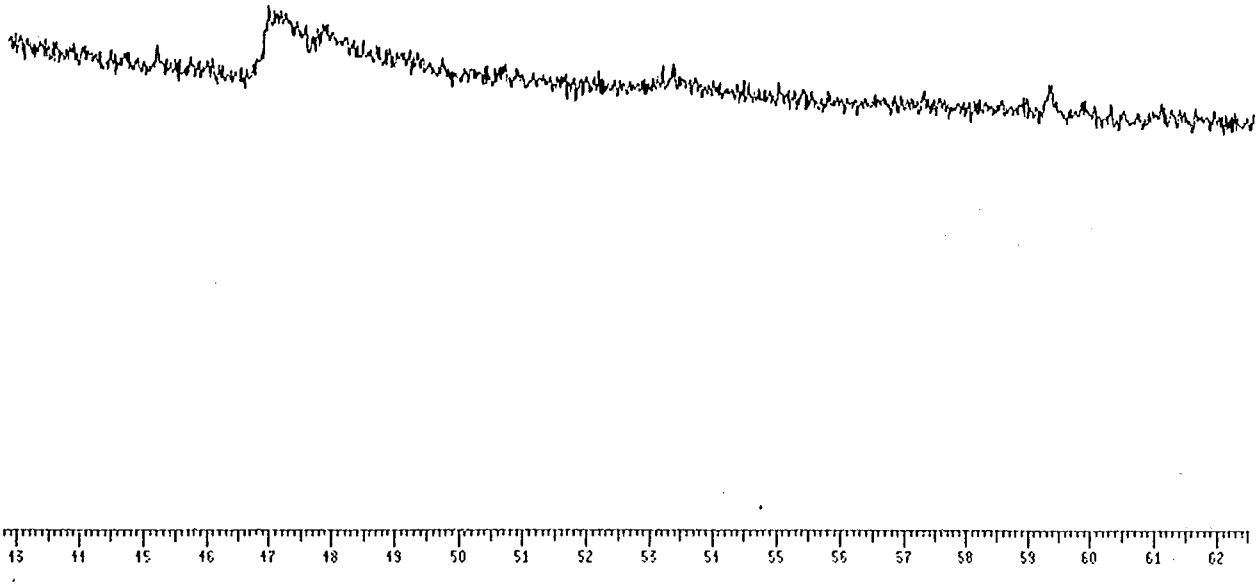
Ⅲ － １０

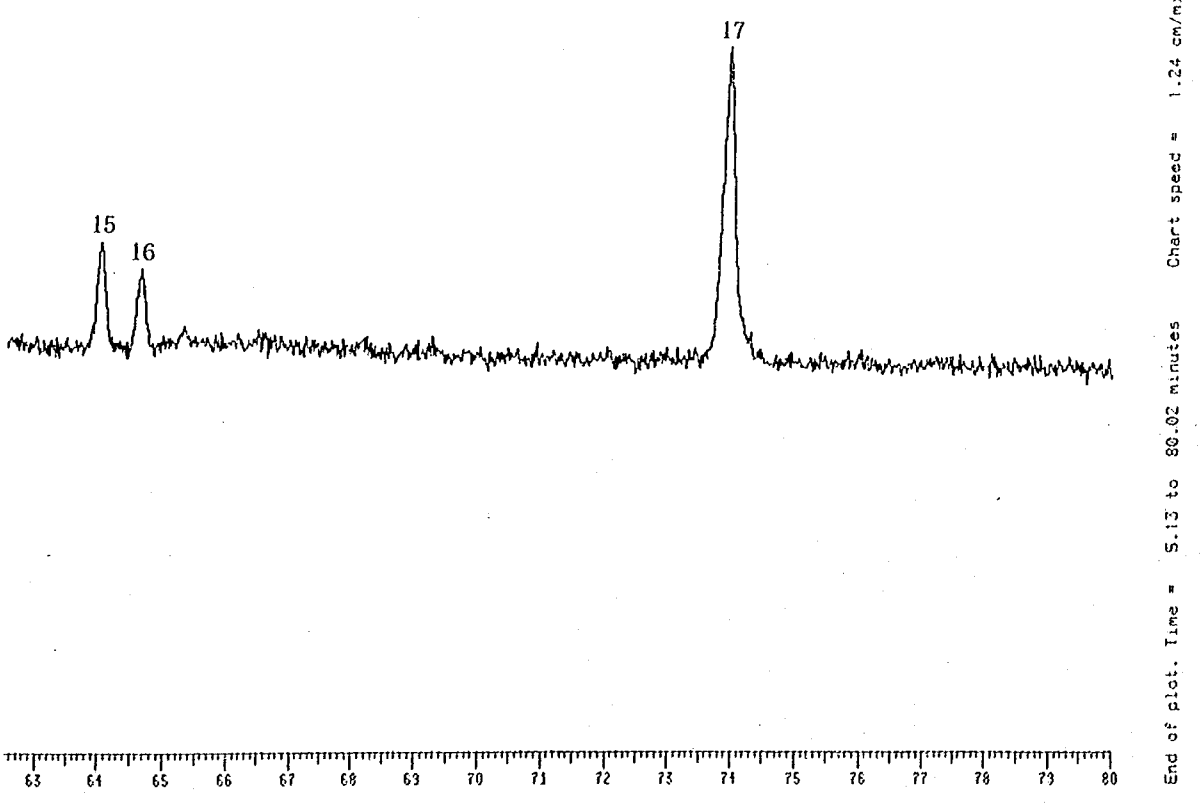
Ｉ処理場　流入水　酸性分画

I19001A

No	Ｎａｍｅ
1	unknown
2	Phenol, 3-methyl-
3	Phenol, 3,4-dimethyl-
4	unknown
5	Ethanol, 2-(2-butoxyethoxy)-
6	unknown
7	Phthalic anhydride
8	unknown
9	unknown
10	Octanoic acid
11	Benzoic acid, 3-hydroxy-
12	unknown
13	3-Cyclohexene-1-butanal, .gamma.,4-dimethyl-2-oxo-
14	unknown
15	unknown
16	unknown
17	Bis(2-ethylhexyl) phthalate

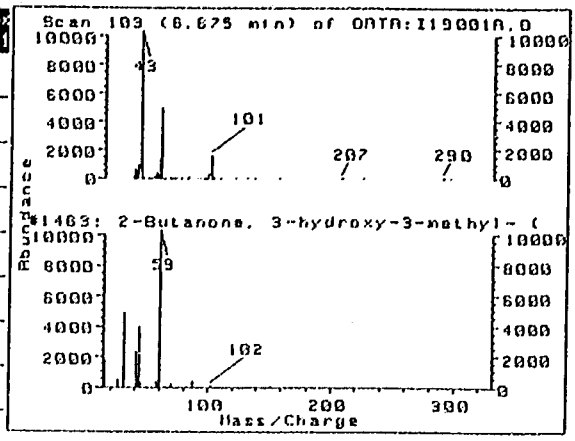

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13 14 15 16 17 18 19 50 51 52 53 54 55 56 57 58 59 60 61 62


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63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.02 minutes Chart speed = 1.24 cm/min

1

2-Butanone, 3-hydrox	
00115-22-0	11



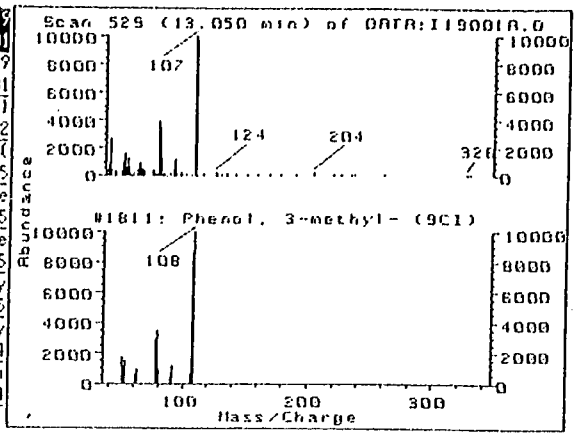
Entry# = 1463 CAS Num = 00115-22-0
Company ID Num = NBS 9/85
Mol.Weight = 102.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanone, 3-hydroxy-3-methyl- (8CI,9CI)

Mol. Formula =
C5H10O2

Misc. Info. =

2

Phenol, 3-methyl- (9	
00108-39-4	81
Phenol, 4-methyl- (9	
00106-44-5	61
Silane, phenyl- (8C	
00694-53-1	52
1,3-Benzenediamine (	
00108-45-2	25
2-Pyridinamine, 3-me	
01603-40-3	25
2-Pyridinamine, 5-me	
01603-41-4	25
Benzenamine, 2-methy	
00095-53-4	25
Benzenamine, N-methy	
00100-61-8	24
Pyridine, 3,4-dimeth	
00583-58-4	24



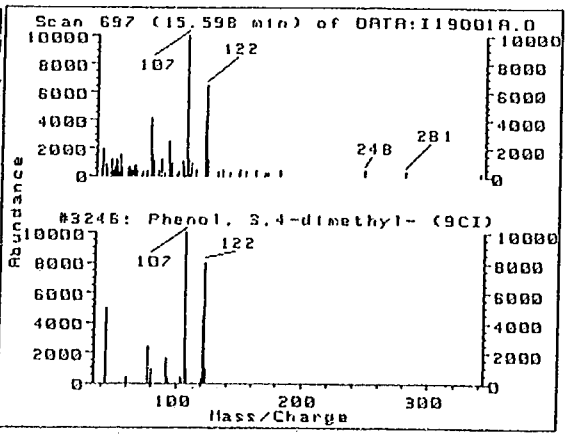
Entry# = 1811 CAS Num = 00108-39-4
Company ID Num = NBS 9/85
Mol.Weight = 108.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 3-methyl- (9CI)

Mol. Formula =
C7H8O

Misc. Info. =
Drugs; Pesticides;

3

Phenol, 3,4-dimethyl	
00095-65-8	59
Phenol, 2,3-dimethyl	
00526-75-0	59
Phenol, 2,5-dimethyl	
00095-87-4	56
Cyclopentane, 1-meth	
73913-74-3	43
Phenol, 3-ethyl- (9C	
00620-17-7	43
Bicyclo[3.1.0]hexane	
24524-58-1	42
Phenol, 2,4-dimethyl	
00105-67-9	40
Phenol, 2-ethyl- (9C	
00090-00-6	29
Benzenemethanol, .al	
00098-85-1	27



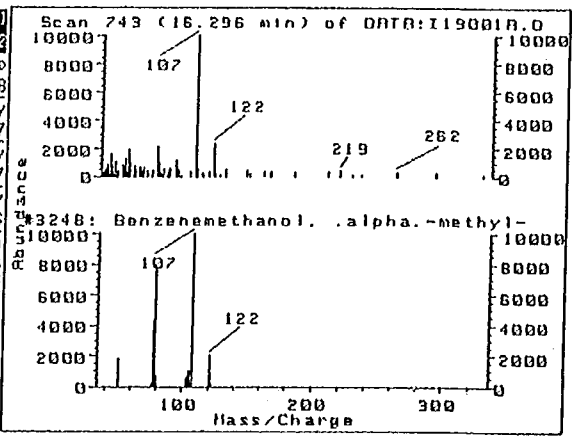
Entry# = 3246 CAS Num = 00095-65-8
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 3,4-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =

4

Benzenemethanol, .al	
00098-85-1	53
6-Oxabicyclo[3.2.1]o	
66465-82-5	28
Benzenamine, N-methy	
00100-61-8	27
Benzenamine, 3-methy	
00108-44-1	27
Benzenamine, 2-methy	
00095-53-4	26
Pyridine, 3,4-dimeth	
00583-58-4	26
Phenol, 2-ethyl- (9C	
00090-00-6	24
Phenol, 3-ethyl- (9C	
00620-17-7	20

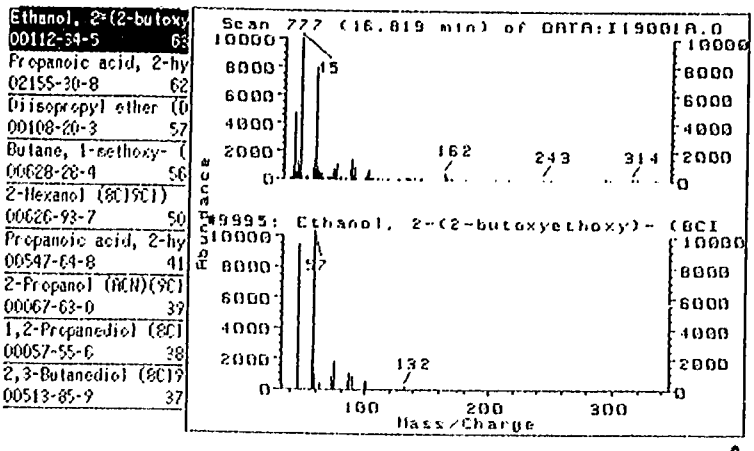


Entry# = 3248 CAS Num = 00098-85-1
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzenemethanol, .alpha.-methyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =

5

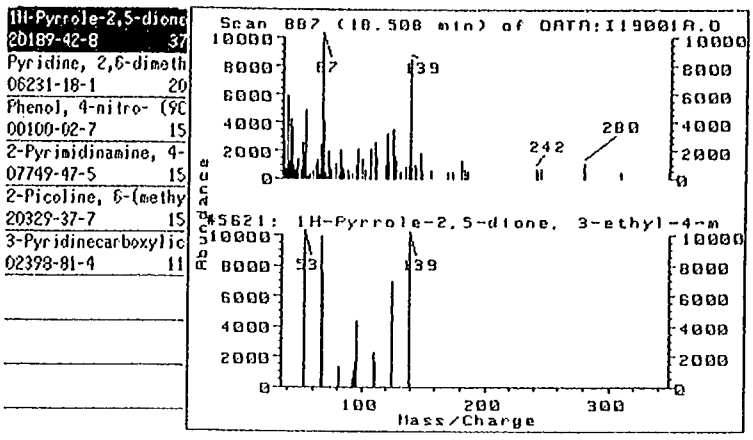


Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI,9CI)

Mol. Formula =
C6H14O3

Misc. Info. =
Carbohydrates; Pesticides;

6

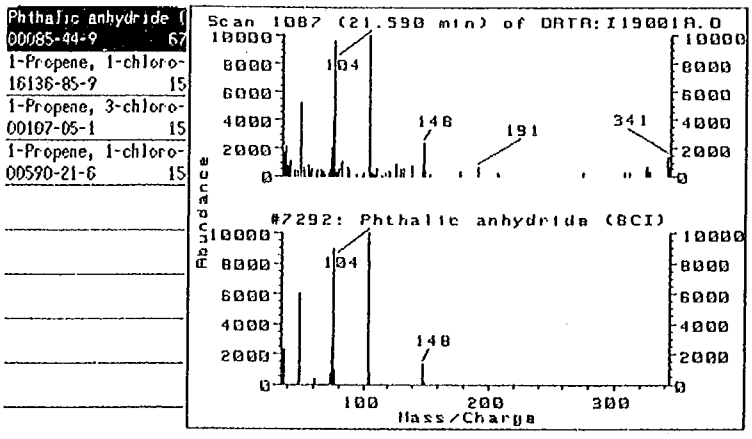


Entry# = 5621 CAS Num = 20189-42-8
Company ID Num = NBS 9/85
Mol.Weight = 139.063 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Pyrrole-2,5-dione, 3-ethyl-4-methyl- (9CI)

Mol. Formula =
C7H9NO2

Misc. Info. =
Alkaloids;

7

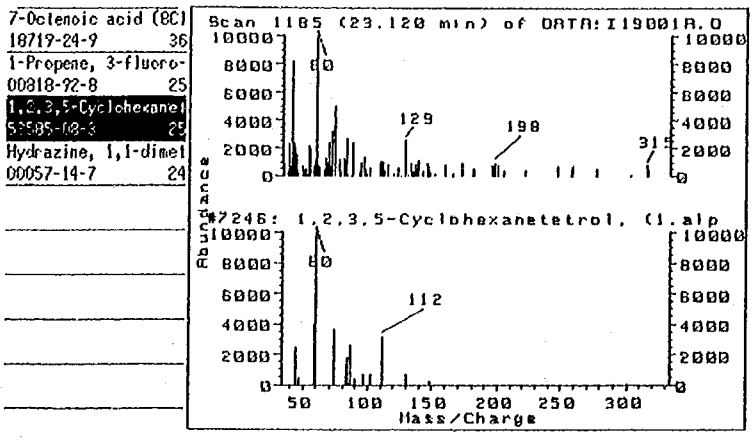


Entry# = 7292 CAS Num = 00085-44-9
Company ID Num = NBS 9/85
Mol.Weight = 148.015 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phthalic anhydride (8CI)

Mol. Formula =
C8H4O3

Misc. Info. =
Carbohydrates; Pesticides;

8



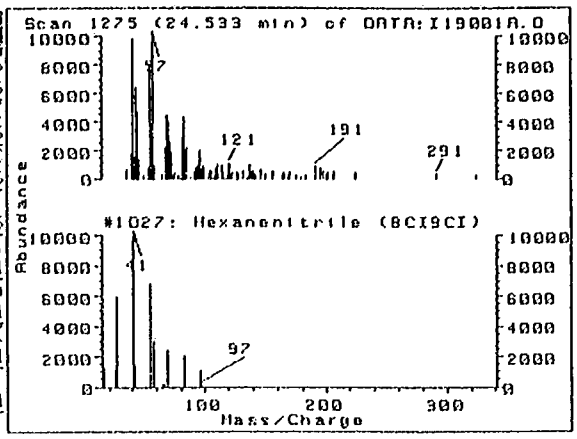
Entry# = 7246 CAS Num = 53585-08-3
Company ID Num = NBS 9/85
Mol.Weight = 148.073 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2,3,5-Cyclohexanetetrol, (1.alpha.,2.beta.,3.alpha.,5.beta.)- (9CI)

Mol. Formula =
C6H12O4

Misc. Info. =

9

Hexanenitrile (8CI9C	
00628-73-9	23
8-Azabicyclo(5.1.0)o	
00286-44-2	25
6-Nonen-1-ol, (E)- (	
31502-19-9	25
4,5-Nonadiene (8CI9C	
00821-74-9	25
Dodecanal (9CI)	
00112-54-9	25
1,6-Heptadiene, 2,3,	
74421-35-5	11
7-Azabicyclo[4.1.0]h	
55903-15-6	11
1,1'-Bicyclopentyl (	
01636-39-1	11
Hexane, 1-isocyano-	
15586-23-9	11



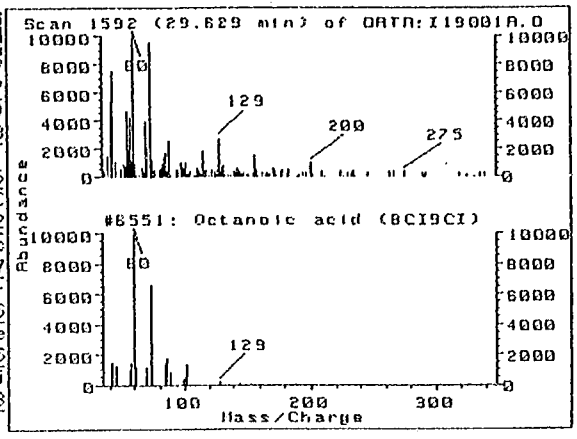
Entry# = 1027 CAS Num = 00628-73-9
Company ID Num = NBS 9/85
Mol.Weight = 97.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexanenitrile (8CI9CI)

Mol. Formula =
C6H11N

Misc. Info. =

10

Octanoic acid (8CI9C	
00124-07-2	65
Heptanoic acid (8CI9	
00111-14-8	57
Pentanoic acid (9CI)	
00109-52-4	48
Hexanamide (8CI9CI)	
00628-02-4	35
Nonanoic acid (8CI9C	
00112-05-0	32
Butyraldehyde, semic	
13183-21-6	27
Glycine, N-methyl-N-	
00097-78-9	26
Acetamide, N-cyclope	
25291-41-2	26
Dodecanamide, N,N-bi	
00120-40-1	23



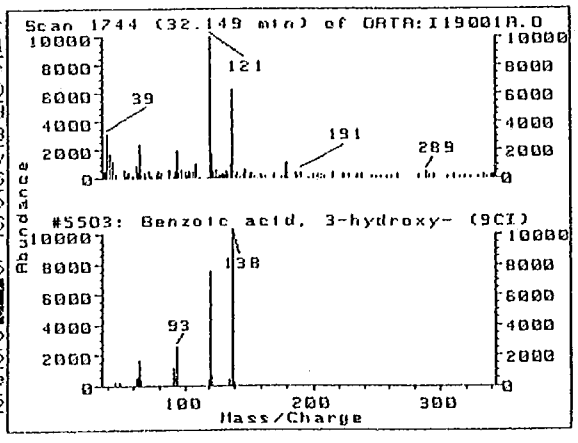
Entry# = 6551 CAS Num = 00124-07-2
Company ID Num = NBS 9/85
Mol.Weight = 144.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Octanoic acid (8CI9CI)

Mol. Formula =
C8H16O2

Misc. Info. =
Pesticides;

11

Benzoic acid, 2-hydr	
00936-02-7	41
Benzoic acid, 4-hydr	
05351-23-5	30
1-Butanone, 1-(4-hyd	
01009-11-6	28
1-Pentanone, 1-(4-hy	
02589-71-1	26
Benzonitrile, 3-fluo	
00403-54-3	26
Benzeneacetic acid,	
20731-95-7	25
Benzoic acid, 3-hydr	
00099-06-9	23
Benzonitrile, 2-fluo	
00394-47-8	25
Benzoic acid, 4-(ace	
02345-34-8	15



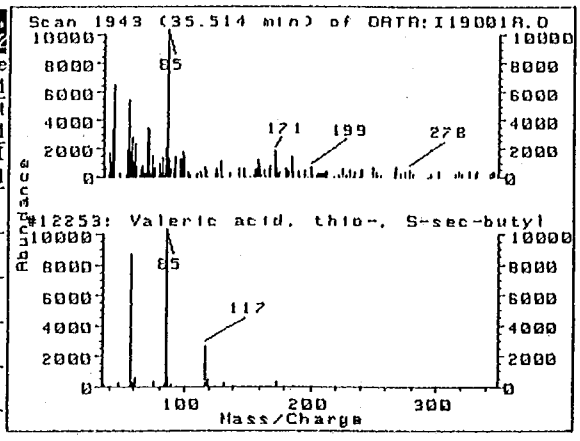
Entry# = 5503 CAS Num = 00099-06-9
Company ID Num = NBS 9/85
Mol.Weight = 138.031 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 3-hydroxy- (9CI)

Mol. Formula =
C7H6O3

Misc. Info. =

12

Valeric acid, thio-,	
02450-11-5	42
Cyclobutanone, oxime	
02972-05-6	41
Butanoic acid, 3-met	
02445-77-4	41
3-Dodecyn-1-ol, 12-[	
64031-52-3	11



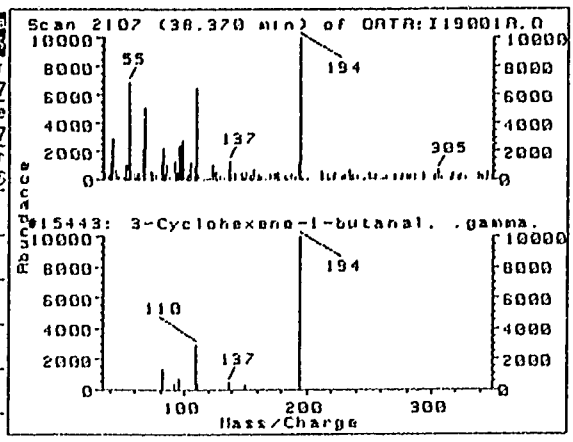
Entry# = 12253 CAS Num = 02450-11-5
Company ID Num = NBS 9/85
Mol.Weight = 174.107 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Valeric acid, thio-, S-sec-butyl ester (8CI)

Mol. Formula =
C9H18OS

Misc. Info. =

13

3-Cyclohexene-1-buta
69494-13-9 23
1H-Pyrrolo[2,3-b]pyr
10586-52-4 27
1,1'-Biphenyl, (1-me
38638-39-0 27
2,4,7(1H,3H,8H)-Pter
31053-46-0 26



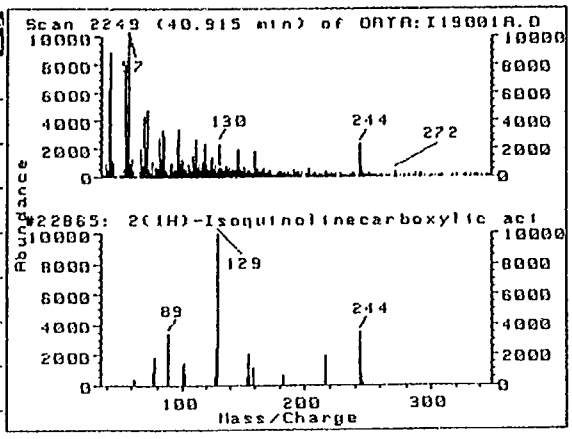
Entry# = 15443 CAS Num = 69494-13-9
Company ID Num = NBS 9/85
Mol.Weight = 194.130 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Cyclohexene-1-butanal, .gamma.,4-dimethyl-2-oxo- (9CI)

Mol. Formula =
C12H18O2

Misc. Info. =

14

2(1H)-Isoquinolineca
19821-41-1 11



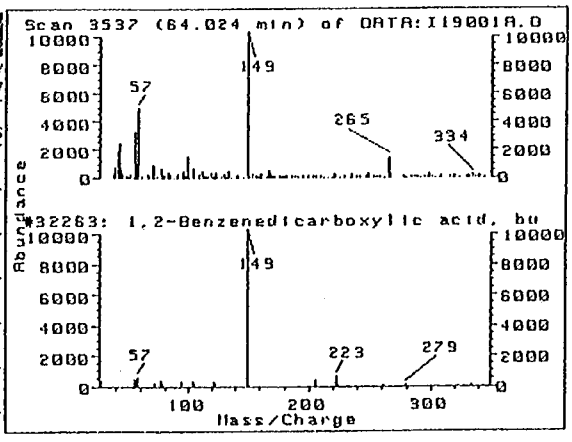
Entry# = 22865 CAS Num = 19821-41-1
Company ID Num = NBS 9/85
Mol.Weight = 244.066 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(1H)-Isoquinolinecarboxylic acid, 1-cyanothio-, O-ethyl ester (8CI)

Mol. Formula =
C13H12N2OS

Misc. Info. =
Alkaloids;

15

1,2-Benzenedicarboxy
00085-69-8 43
1,2-Benzenedicarboxy
00117-82-8 37
Furo[3,2-b]pyridine,
69022-83-9 36



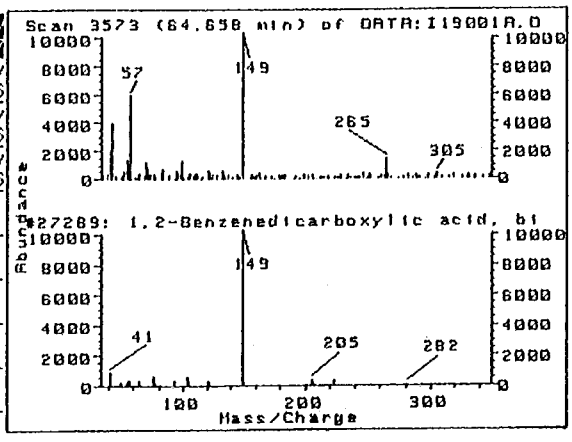
Entry# = 32263 CAS Num = 00085-69-8
Company ID Num = NBS 9/85
Mol.Weight = 334.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester (9CI)

Mol. Formula =
C20H30O4

Misc. Info. =

16

1,2-Benzenedicarboxy
00117-82-8 37
1,2-Benzenedicarboxy
17851-53-5 36
1,2-Benzenedicarboxy
00131-16-8 36
1,2-Benzenedicarboxy
00605-45-8 36



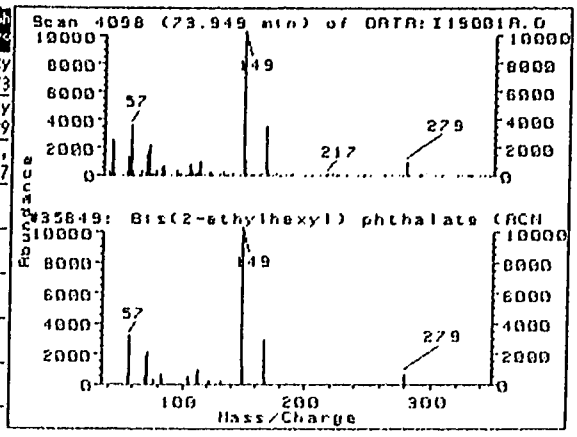
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

17

Bis(2-ethylhexyl) ph	
00117-81-7	73
1,2-Benzenedicarboxy	
00603-11-2	73
1,2-Benzenedicarboxy	
00117-82-8	29
Furo[3,2-b]pyridine,	
69022-83-9	27



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

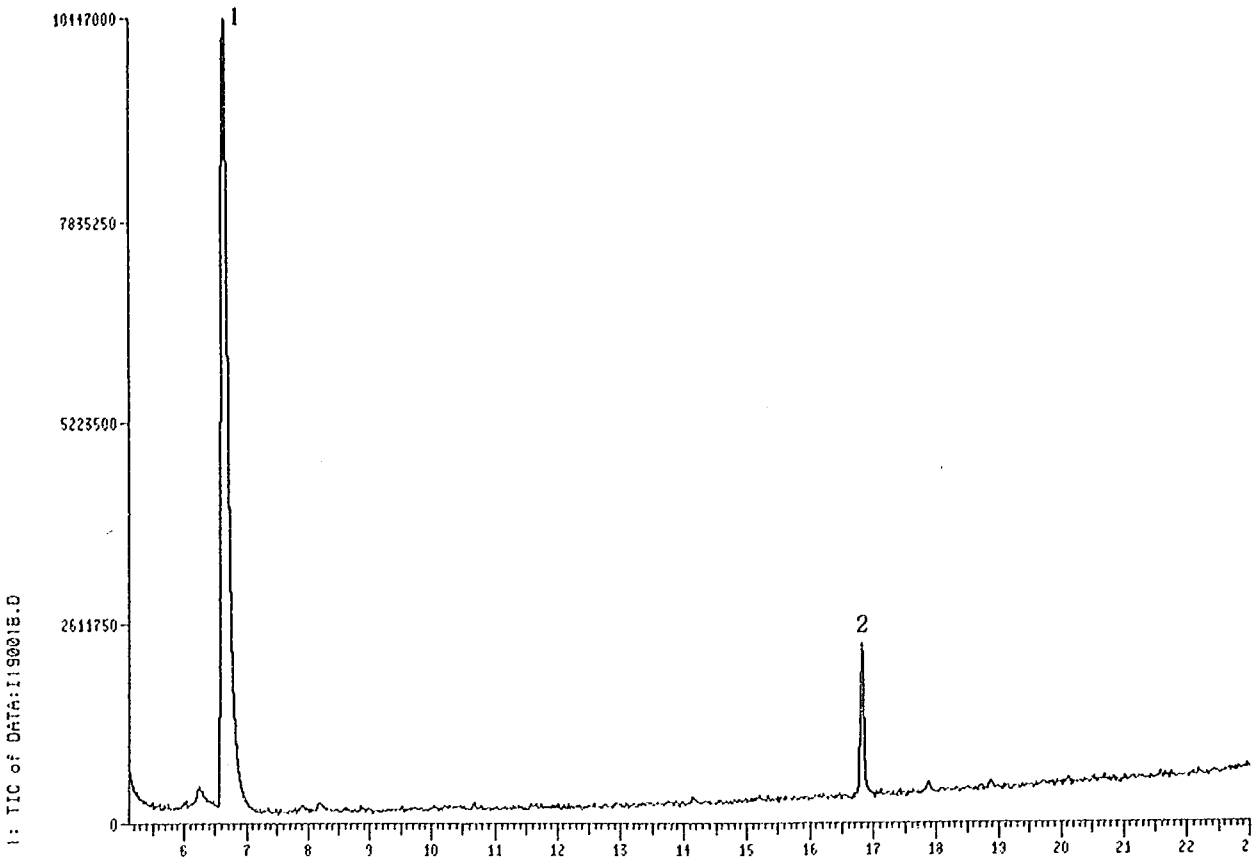
Misc. Info. =
Pesticides; Priority Pollutants;

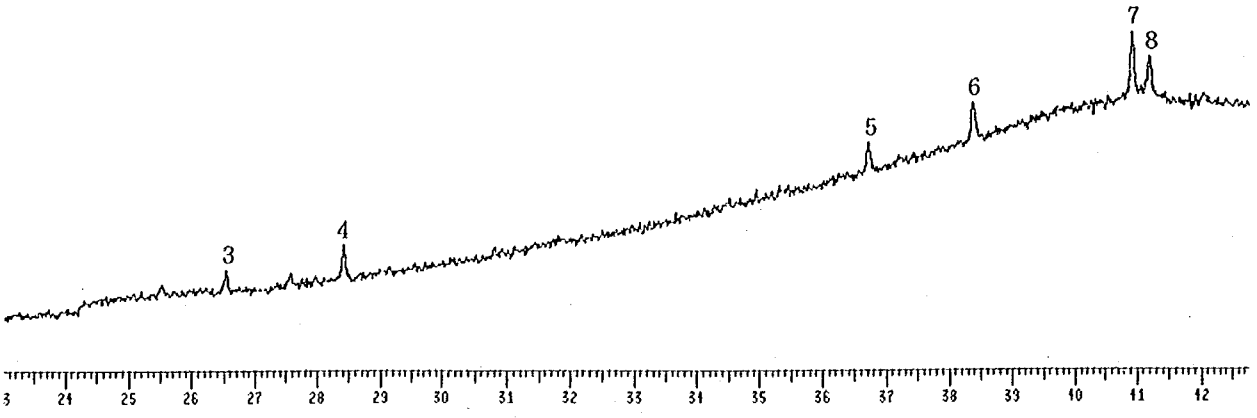
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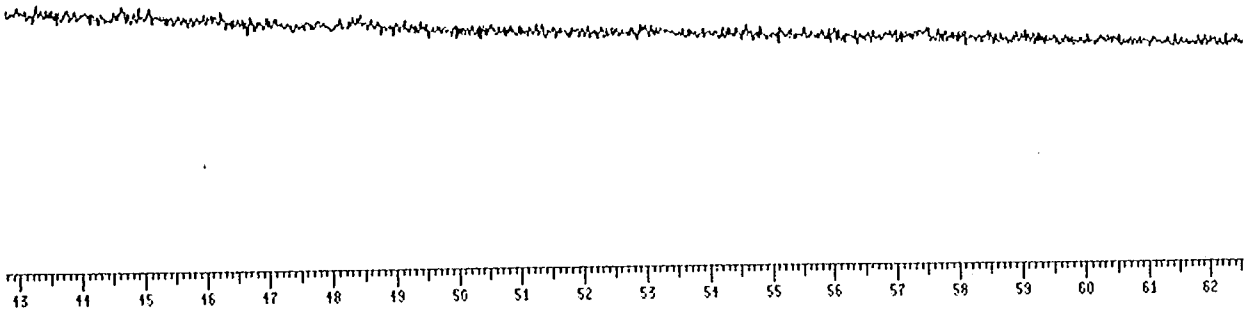
Ｉ処理場　流入水　塩基性分画

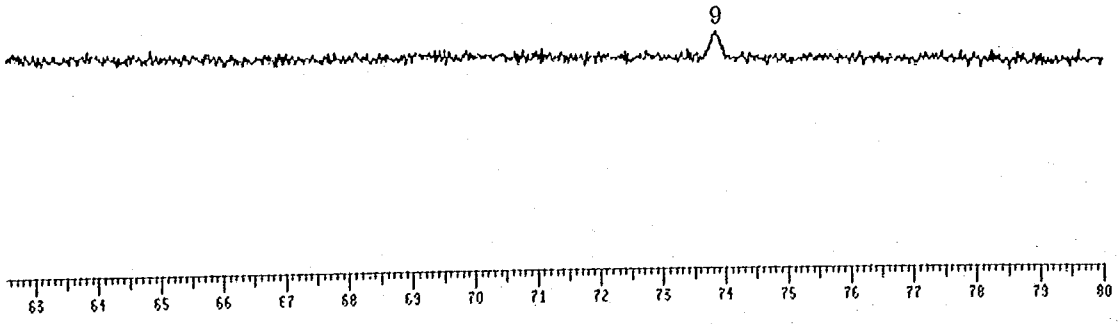
I19001B

No	Ｎａｍｅ
1	unknown
2	Ethanol, 2-(2-butoxyethoxy)-
3	unknown
4	2,5,8,11-Tetraoxadodecane
5	unknown
6	Caffeine
7	unknown
8	1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester
9	Bis(2-ethylhexyl) phthalate


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5223500
2611750
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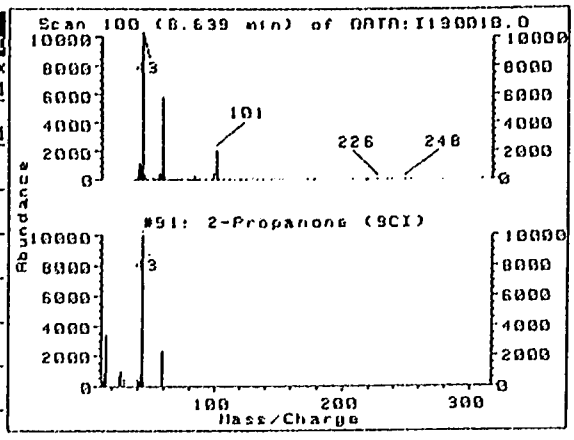




End of plot. Time = 5.13 to 80.01 minutes Chart speed = 1.24 cm/min

1

2-Propanone (9CI)	
00067-64-1	30
2-Butanone, 3-hydrox	
00115-22-0	11
Acetamide (8CI,9CI)	
00060-35-5	11



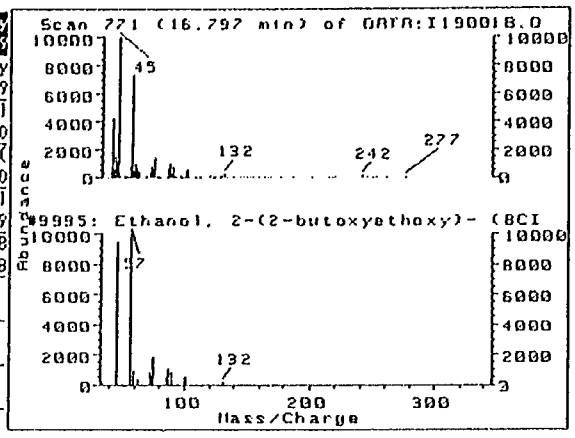
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

2

Ethanol, 2-(2-butoxy	
00112-34-5	85
Ethanol, 1-(2-butoxy	
54446-78-5	39
2-Propanol (ACN)(9CI	
00067-63-0	30
Butane, 1-methoxy- (	
00628-28-4	30
1,2-Propanediol (8CI	
00057-55-6	29
Methane, nitroso- (8	
00865-40-7	28



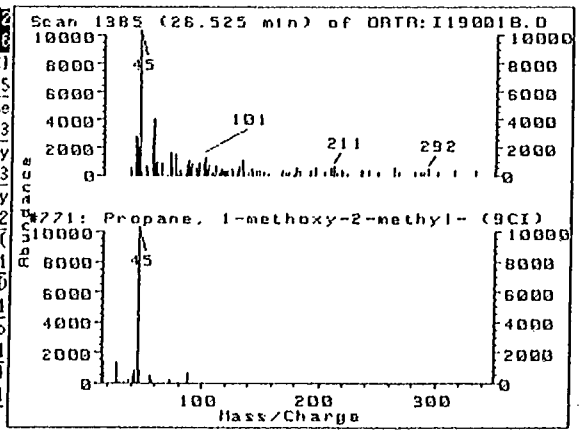
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI,9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

3

Propane, 1-methoxy-2	
00625-44-5	48
2-Propanol (ACN)(9CI	
00067-63-0	45
Propanenitrile, 3-me	
00110-67-8	43
Propanoic acid, 2-hy	
00547-64-8	43
Propanoic acid, 2-hy	
02155-30-8	42
Hexane, 3-methoxy- (	
54658-01-4	41
Diisopropyl ether (D	
00108-20-3	11
Ethanol, 2-(ethenylo	
00764-48-7	11
Propane, 1-(1-methyl	
00627-08-7	11



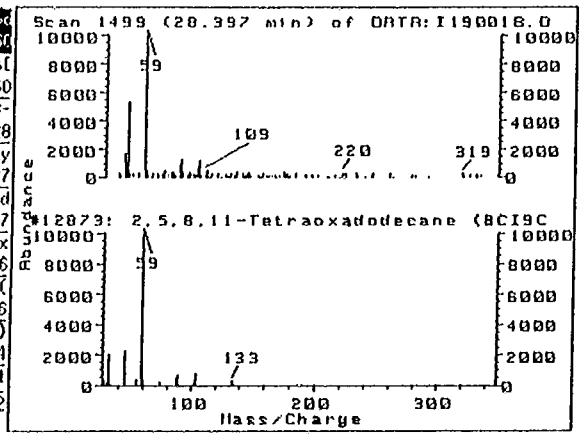
Entry# = 771 CAS Num = 00625-44-5
Company ID Num = NBS 9/85
Mol.Weight = 88.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propane, 1-methoxy-2-methyl- (9CI)

Mol. Formula =
C5H12O

Misc. Info. =

4

2,5,8,11-Tetraoxadod	
00112-49-2	60
Ethane, 1,1'-oxybis[	
00111-96-6	60
Butane, 2-methoxy-3-	
62016-49-3	28
Ethane, 1,2-diethoxy	
00629-14-1	27
Butanoic acid, 2-hyd	
29674-47-3	27
2-Propanol, 1-methox	
03587-64-2	26
Ethanol, 2-ethoxy- (	
00110-80-5	26
Propanediamide (9CI)	
00108-13-4	24
Ethene, (2-methoxyet	
01663-35-0	15



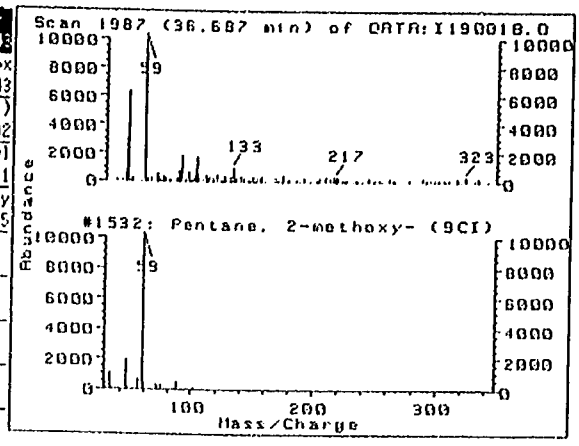
Entry# = 12873 CAS Num = 00112-49-2
Company ID Num = NBS 9/85
Mol.Weight = 178.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11-Tetraoxadodecane (8CI,9CI)

Mol. Formula =
C8H18O4

Misc. Info. =
Carbohydrates;

5

Pentane, 2-methoxy-	
06795-88-6	43
2-Propanol, 1-methox	
03587-64-2	43
Propanediamide (9CI)	
00108-13-4	42
Butanamide, 3-methyl	
00541-46-8	41
Propanoic acid, 2-hy	
00594-61-6	15



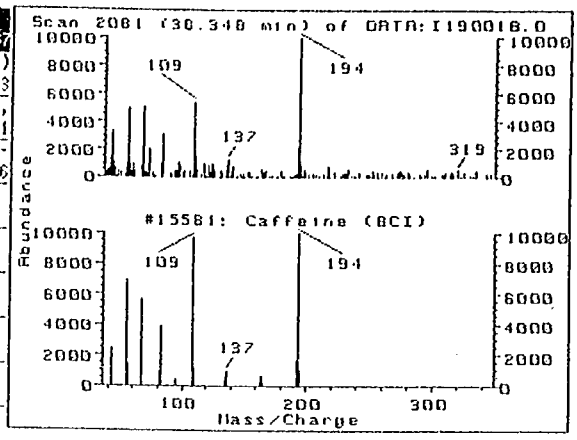
Entry# = 1532 CAS Num = 06795-88-6
Company ID Num = NBS 9/85
Mol.Weight = 102.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Pentane, 2-methoxy- (9CI)

Mol. Formula =
C6H14O

Misc. Info. =

6

Caffeine (8CI)	
00058-08-2	67
9-Acridinamine (9CI)	
00090-45-9	43
3(2H)-Benzofuranone,	
04265-35-8	41
Acetamide, N,N'-2,6-	
41536-74-7	26



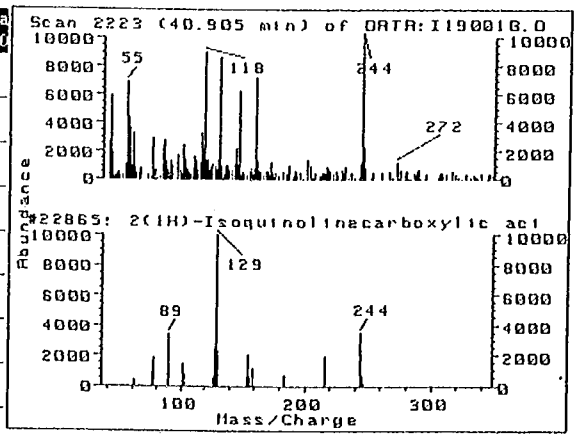
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

7

2(1H)-Isoquinolineca	
19821-41-1	20



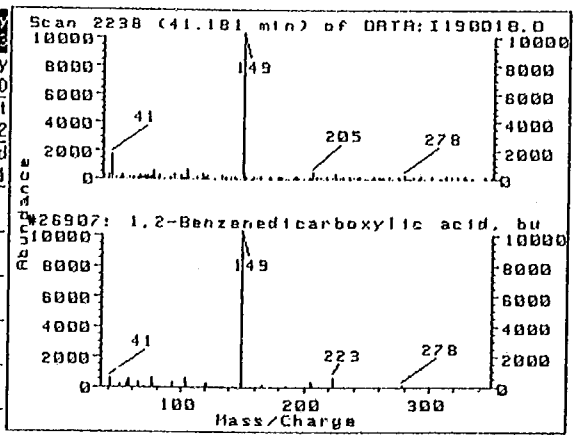
Entry# = 22865 CAS Num = 19821-41-1
Company ID Num = NBS 9/85
Mol.Weight = 244.066 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(1H)-Isoquinolinecarboxylic acid, 1-cyanothio-, O-ethyl ester (8CI)

Mol. Formula =
C13H12N2OS

Misc. Info. =
Alkaloids;

8

1,2-Benzenedicarboxy	
17851-53-5	63
1,2-Benzenedicarboxy	
00117-82-8	50
Benzene, 1-isocyanat	
18908-07-1	42
Carbamodithioic acid	
16696-88-1	41



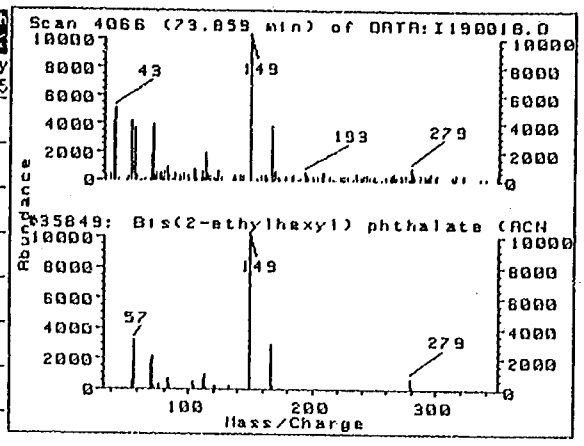
Entry# = 26907 CAS Num = 17851-53-5
Company ID Num = NBS 9/85
Mol.Weight = 278.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester (9CI)

Mol. Formula =
C16H22O4

Misc. Info. =

9

Bis(2-ethylhexyl) ph
00117-81-7 9
1,2-Benzenedicarboxy
00117-82-8 2



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Height = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H3804

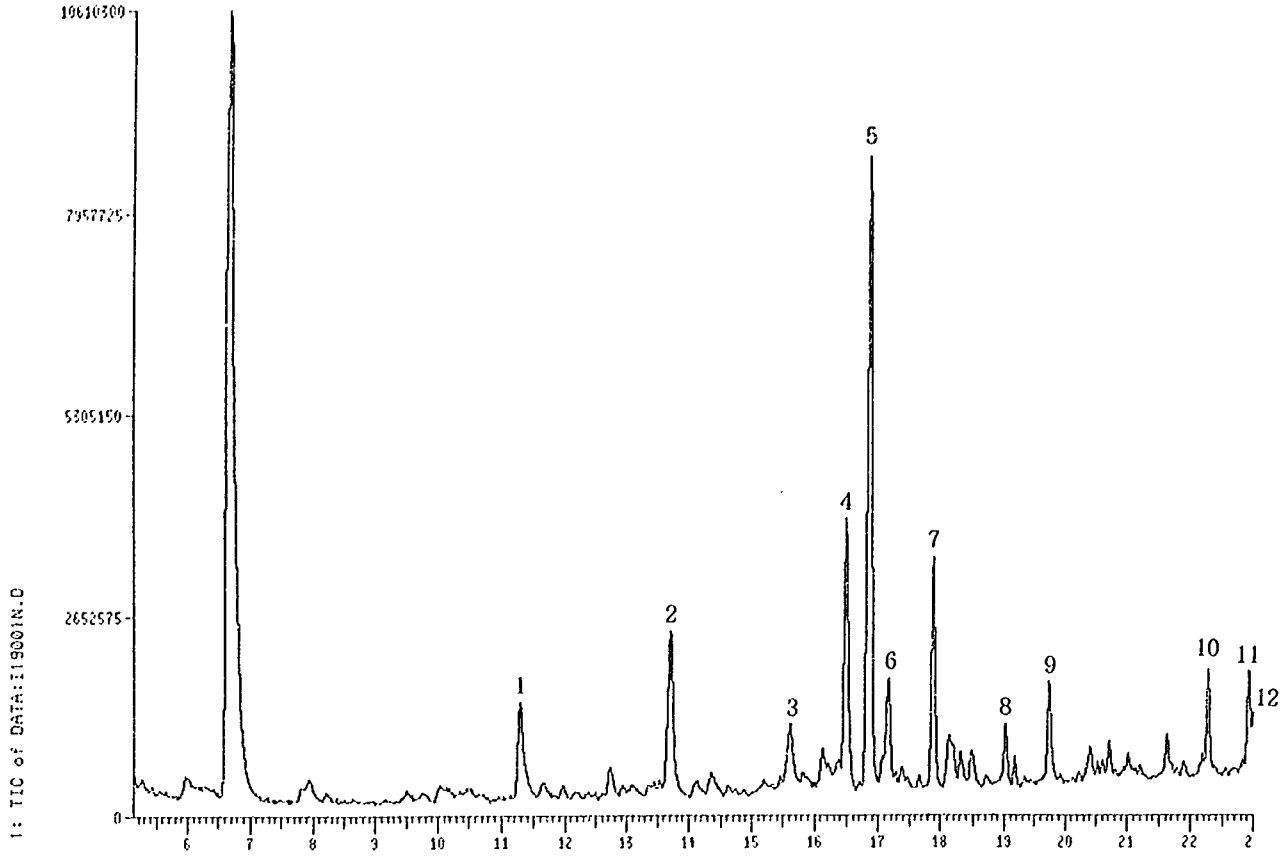
Misc. Info. =
Pesticides; Priority Pollutants;

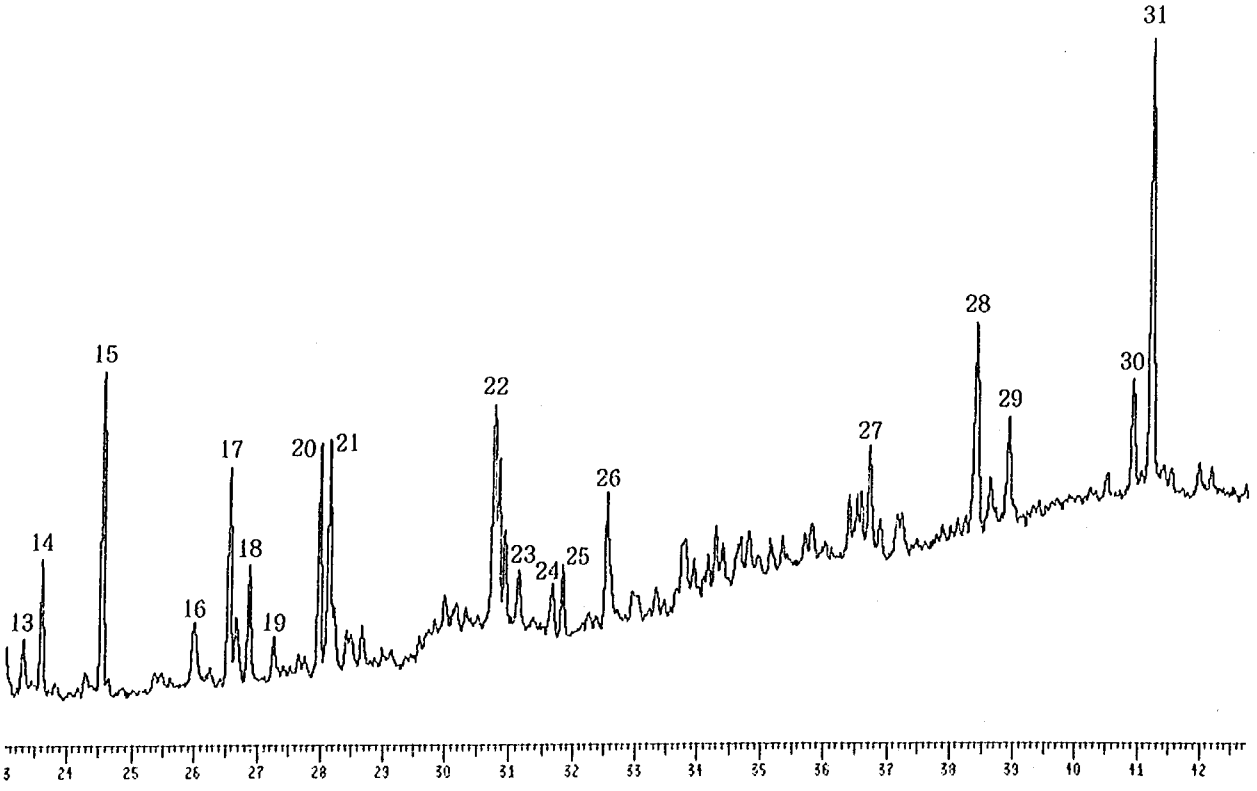
Ⅲ － 1 2

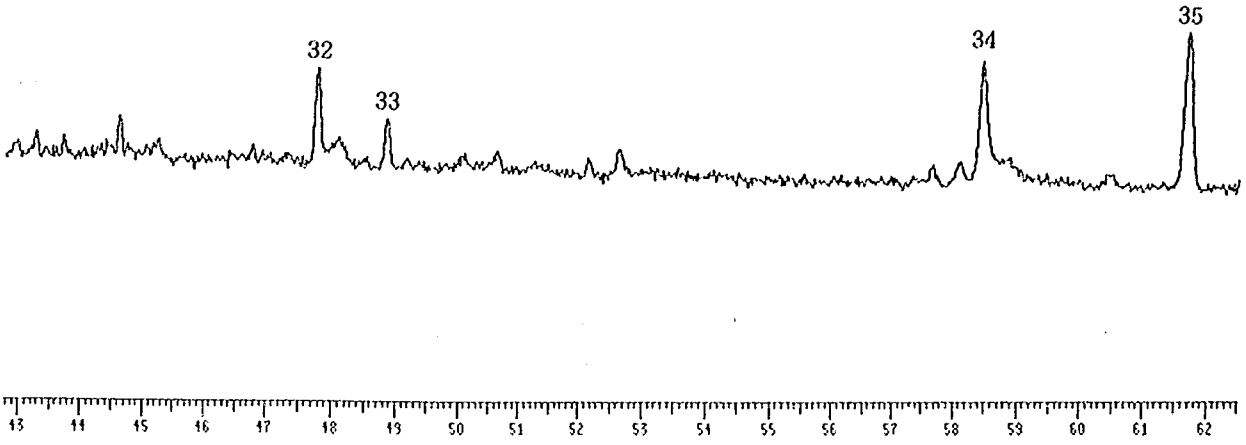
Ⅰ処理場　流入水　中性分画

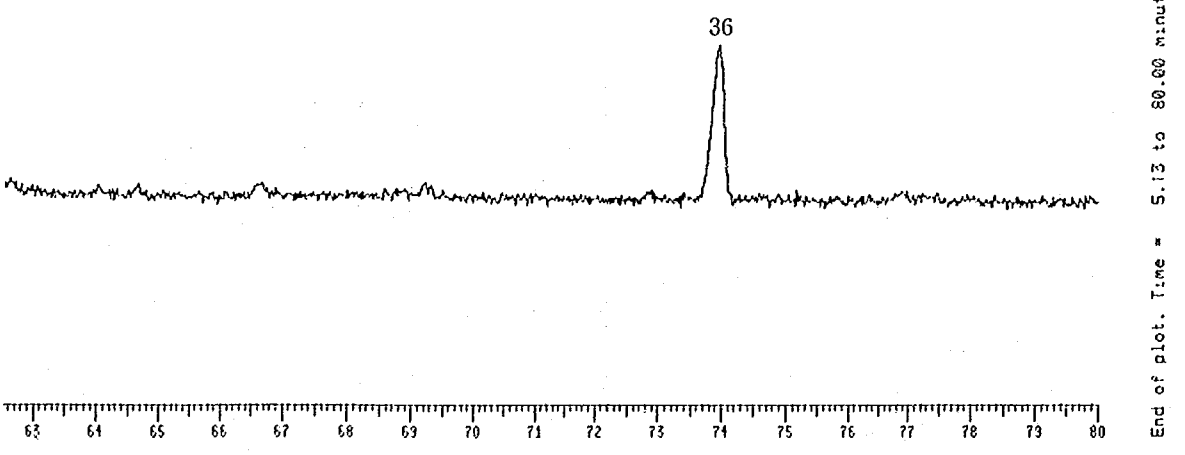
I19001N

No	Name
1	unknown
2	unknown
3	Phenol, 2,4-dimethyl-
4	Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha., 2.beta.,5.alpha.)-(.+-.)-
5	Ethanol, 2-(2-butoxyethoxy)-
6	3-Cyclohexene-1-methanol, .alpha.,.alpha.4-trimethyl-
7	unknown
8	2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-, (S)-
9	1-Decanol
10	1,2,3-Propanetriol, diacetate
11	unknown
12	Phenol, 2-methoxy-4-(2-propenyl)-
13	Cyclopropane, octyl-
14	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester
15	unknown
16	2H-1-Benzopyran-2-one
17	unknown
18	Phenol, (1,1-dimethylethyl)-4-methoxy-
19	Phenol, 2-(1,1-dimethylethyl)-
20	1-Propanol, 2-(2-hydroxypropoxy)-
21	1-Propanol, 2-(2-hydroxypropoxy)-
22	Diethyl phthalate
23	unknown
24	3-Eicosene, (E)-
25	1-Dotriacontanol
26	unknown
27	unknown
28	Caffeine
29	1-Propanamine, N-ethyl-N-methyl-
30	unknown
31	1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester
32	unknown
33	unknown
34	unknown
35	unknown
36	Bis(2-ethylhexyl) phthalate


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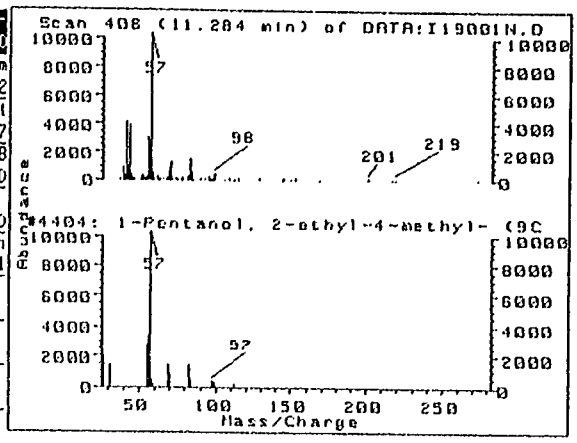

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13 14 15 16 17 18 19 50 51 52 53 54 55 56 57 58 59 60 61 62


36
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.00 minutes Chart speed = 1.24 cm/min

1

1-Pentanol, 2-ethyl-	
00106-67-2	60
Butane, 1-chloro-2-m	
00616-13-7	52
1-Penteno, 4,4-dimet	
00762-62-9	37
Heptane, 3-ethyl- (8	
15869-80-4	20
Azetidine (8CI9CI)	
00503-29-7	20
1-Hexene, 3,4-dimeth	
16745-94-1	11



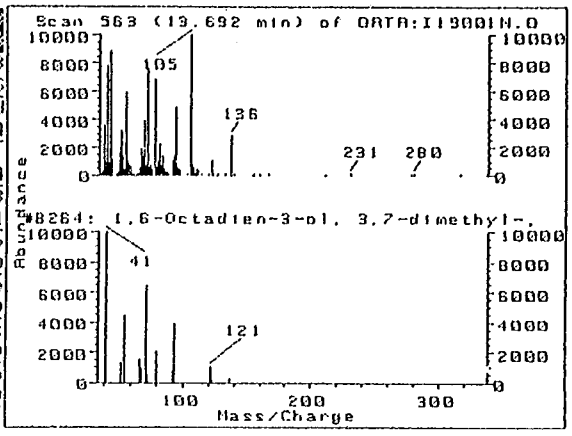
Entry# = 4404 CAS Num = 00106-67-2
Company ID Num = NBS 9/85
Mol.Weight = 130.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Pentanol, 2-ethyl-4-methyl- (9CI)

Mol. Formula =
C8H18O

Misc. Info. =

2

1,6-Octadien-3-ol, 3	
22564-99-4	63
1,6-Octadien-3-ol, 3	
00078-70-6	26
3-Octen-5-yne, 2,7-d	
55956-33-7	24
2-Propenamide (9CI)	
00079-06-1	24
1,6-Octadien-3-ol, 3	
07149-26-0	21
Butanoic acid, 2-pro	
02051-78-7	20
Propanoic acid, 2-me	
74367-32-1	20
Cycloheptane, methox	
42604-04-6	20
1-Hexene, 3,4,5-trim	
56728-10-0	20



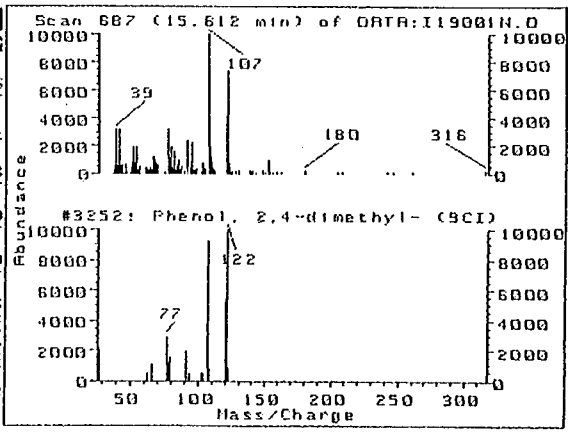
Entry# = 8264 CAS Num = 22564-99-4
Company ID Num = NBS 9/85
Mol.Weight = 154.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,6-Octadien-3-ol, 3,7-dimethyl-, (.+-.)- (8CI9CI)

Mol. Formula =
C10H18O

Misc. Info. =

3

Phenol, 2,4-dimethyl	
00105-67-9	88
Phenol, 2,5-dimethyl	
00095-87-4	76
Phenol, 3,5-dimethyl	
00108-68-9	71
Phenol, 2,3-dimethyl	
00526-75-0	63
Phenol, 2,6-dimethyl	
00576-26-1	60
Phenol, 3,4-dimethyl	
00095-65-8	60
Cyclopentane, 1-meth	
73913-74-3	36
Phenol, 2-ethyl- (9C	
00090-00-6	32
Benzene, 1-methoxy-2	
00578-58-5	28



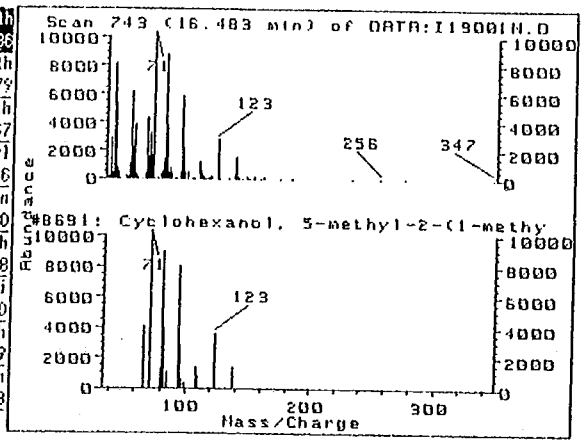
Entry# = 3252 CAS Num = 00105-67-9
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,4-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =
Pesticides; Priority Pollutants;

4

Cyclohexanol, 5-meth	
15356-70-4	86
Cyclohexanol, 1-meth	
21129-27-1	79
Cyclohexanol, 5-meth	
01490-04-6	67
Cyclohexene, 1-butyl	
03282-53-9	56
Bicyclo[4.1.0]heptan	
00554-59-6	50
Cyclohexanol, 5-meth	
00089-78-1	48
Cyclopentane, 1,3-di	
61142-31-2	30
Cyclohexanol, 5-meth	
00491-01-0	29
Cyclohexanol, 5-meth	
00490-99-3	28



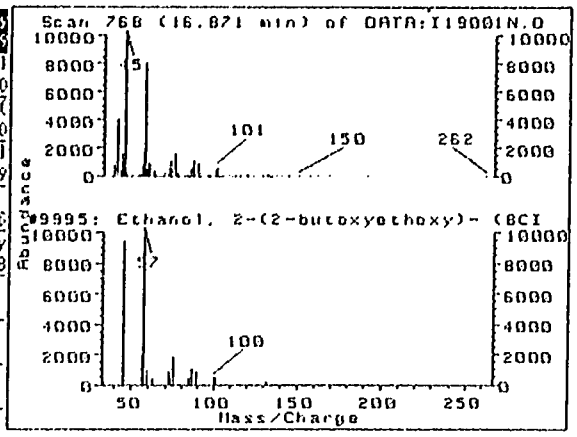
Entry# = 8691 CAS Num = 15356-70-4
Company ID Num = NBS 9/85
Mol.Weight = 156.150 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha
.,2.beta.,5.alpha.)-(.+-.)- (9CI)

Mol. Formula =
C10H20O

Misc. Info. =

5

Ethanol, 2-(2-butoxy	
00112-34-5	85
2-Propanol (ACN)(9CI	
00067-63-0	30
Butane, 1-methoxy- (	
00628-28-4	30
1,2-Propanediol (8CI	
00057-55-6	29
2-Pentanol (8CI9CI)	
06032-29-7	26
Ethanol, 1-(2-butoxy	
54446-78-5	18



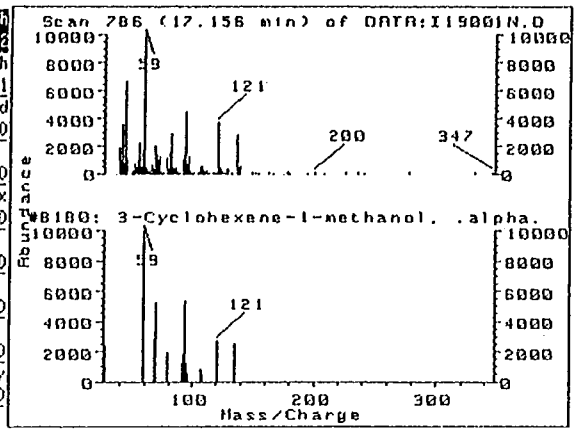
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

6

3-Cyclohexene-1-meth	
00098-55-5	52
3-Cyclohexene-1-meth	
10482-56-1	21
Hydroperoxide, 1,1-d	
00075-91-2	20
3-Pentanol (8CI9CI)	
00584-02-1	20
2-Propanol, 1-methox	
03587-64-2	20
Pentanamide (9CI)	
00626-97-1	20
Guanidine (8CI9CI)	
00113-00-8	20
Acetamide (8CI9CI)	
00060-35-5	20
Pentanamide, 4-methy	
01119-29-5	20



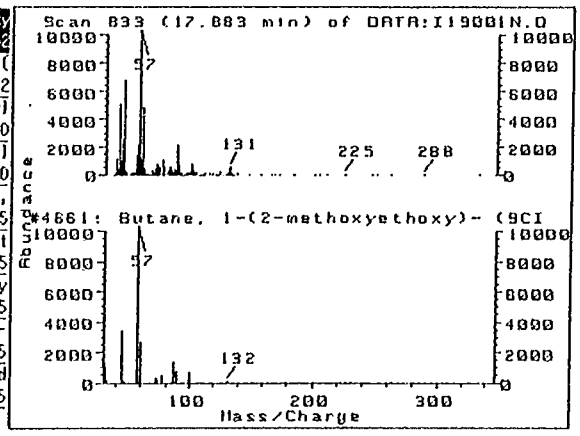
Entry# = 8180 CAS Num = 00098-55-5
Company ID Num = NBS 9/85
Mol.Weight = 154.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Cyclohexene-1-methanol, .alpha.,.alpha.4-trimethy
l- (9CI)

Mol. Formula =
C10H18O

Misc. Info. =
Pesticides;

7

Butane, 1-(2-methoxy	
13343-98-1	52
Ethanol, 2-butoxy- (	
00111-76-2	32
Propane, 1,1'-(ethyl	
00105-82-8	30
Propane, 2,2'-(ethyl	
04285-59-0	30
Ethanol, 1-methoxy-,	
04382-77-8	25
1-Propanol, 2-(1-met	
03944-37-4	25
Ethanol, 2-(2-butoxy	
00112-34-5	25
Propane, 2-methyl-1-	
15268-49-2	25
Butanoic acid, 3,3-d	
01070-83-3	15



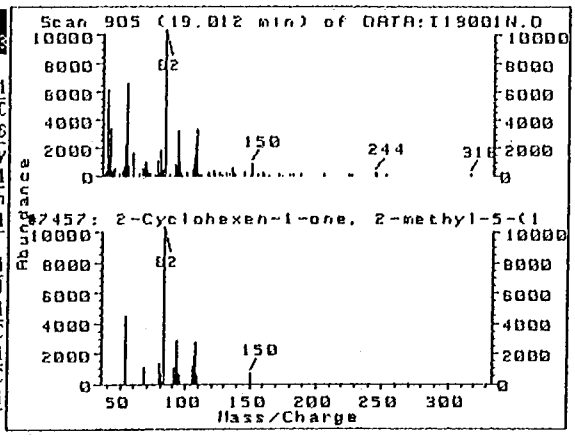
Entry# = 4661 CAS Num = 13343-98-1
Company ID Num = NBS 9/85
Mol.Weight = 132.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-(2-methoxyethoxy)- (9CI)

Mol. Formula =
C7H16O2

Misc. Info. =

8

2-Cyclohexen-1-one,	
02244-16-8	83
2-Cyclohexen-1-one,	
00099-49-0	51
Heptanedinitrile (9C	
00646-20-8	36
1H-Pyrazole, 4-methy	
07554-65-6	31
1H-Imidazole, 4-meth	
00822-36-6	31
2-Cyclohexen-1-one,	
06485-40-1	31
Cyclobutane, ethenyl	
02597-49-1	11
2,4-Hexadiene (8C19C	
00592-46-1	11
1,7-Octadiene (8C19C	
03710-30-3	11



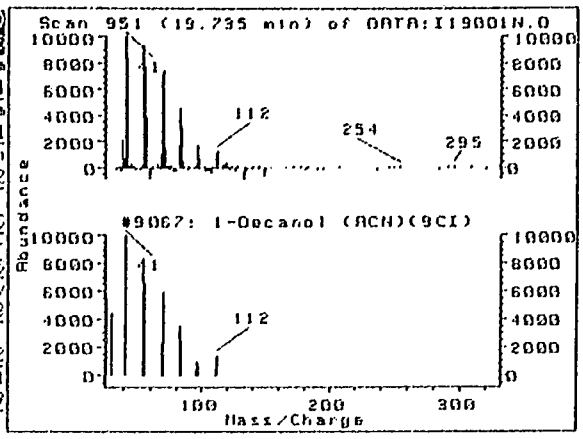
Entry# = 7457 CAS Num = 02244-16-8
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-,
(S)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

9

1-Decanol (ACN)(9CI)	
00112-30-1	78
Cyclooctane, 1,4-dim	
13151-99-0	71
Cyclooctane, 1,4-dim	
13151-98-9	71
1-Octene, 3,7-dimeth	
04984-01-4	62
1-Octene (8CI,9CI)	
00111-66-0	56
Cyclopropane, octyl-	
01472-09-9	56
Cyclopropane, 1-ethy	
74663-86-8	53
Nonanol (8CI,9CI)	
28473-21-4	52
Cyclopropane, 1-hept	
74663-91-5	49



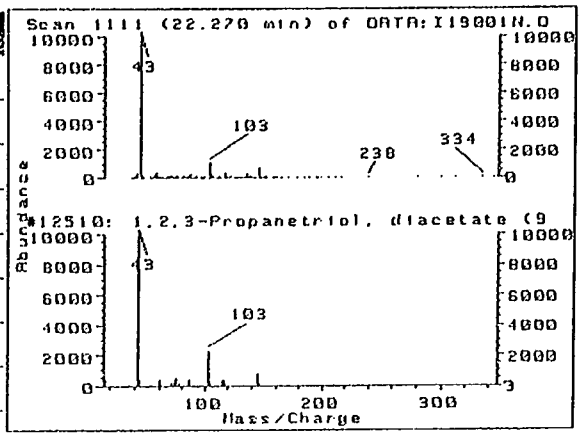
Entry# = 9067 CAS Num = 00112-30-1
Company ID Num = NBS 9/85
Mol.Weight = 158.166 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Decanol (ACN)(9CI)

Mol. Formula =
C10H220

Misc. Info. =
Pesticides;

10

1,2,3-Propanetriol,	
25395-31-7	12



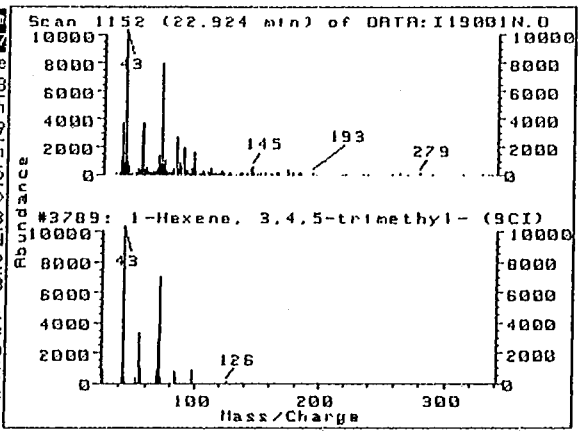
Entry# = 12510 CAS Num = 25395-31-7
Company ID Num = NBS 9/85
Mol.Weight = 176.068 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2,3-Propanetriol, diacetate (9CI)

Mol. Formula =
C7H1205

Misc. Info. =
Carbohydrates; Fatty acids and Lipids;

11

1-Hexene, 3,4,5-trim	
56728-10-0	67
Propanoic acid, 2-me	
74367-33-2	58
Furan, 2-butyltetrah	
01004-29-1	49
1-Hexene, 4,5-dimeth	
16106-59-5	45
Butanoic acid, 2-pro	
02051-78-7	43
Butanoic acid, 2,3-d	
00557-25-5	42
Pentane, 3-bromo- (8	
01809-10-5	41
Propanoic acid, 2-me	
74367-31-0	40
Butenol, methyl- (9C	
60766-00-9	38



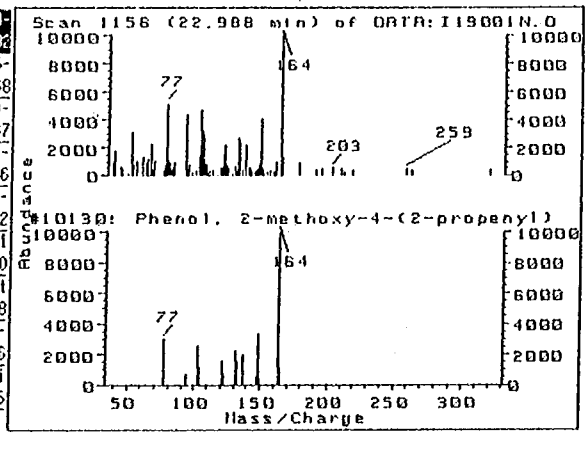
Entry# = 3789 CAS Num = 56728-10-0
Company ID Num = NBS 9/85
Mol.Weight = 126.140 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Hexene, 3,4,5-trimethyl- (9CI)

Mol. Formula =
C9H18

Misc. Info. =

12

Phenol, 2-methoxy-4-	
00097-53-0	82
Phenol, 2-methoxy-5-	
19784-98-6	68
Phenol, 2-methoxy-4-	
05932-68-3	67
Phenol, 2-methoxy-4-	
00097-54-1	56
Phenol, 2-methoxy-4-	
00093-28-7	42
Benzene, 4-ethenyl-1	
06380-23-0	30
Phenol, 4-(1,1-dimet	
00080-46-6	28
Phenol, 2-methoxy-6-	
01076-55-7	26
Benzoic acid, 2,4-di	
23617-71-2	25



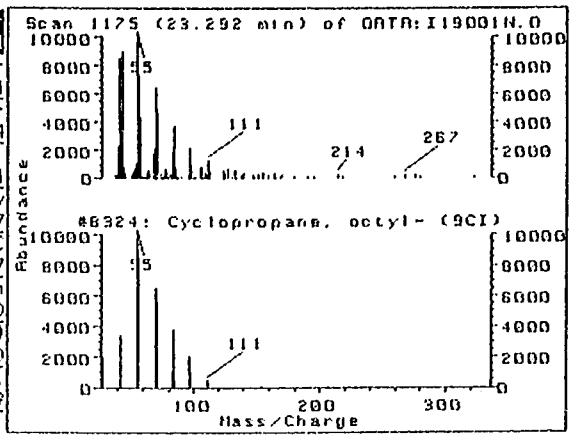
Entry# = 10130 CAS Num = 00097-53-0
Company ID Num = NBS 9/85
Mol.Weight = 164.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2-methoxy-4-(2-propenyl)- (9CI)

Mol. Formula =
C10H1202

Misc. Info. =
Drugs; Misc. Natural products; Pesticides;

13

Cyclopropane, octyl-	
01472-09-9	81
Cyclodecane, methyl-	
13151-43-4	81
Cyclopropane, nonyl-	
74663-85-7	74
1-Nonene (8CI9CI)	
00124-11-8	71
Cyclopropane, 1-hexy	
62238-09-9	67
2-Dodecene, (Z)- (8C	
07206-26-0	67
1-Octene, 3,3-dimeth	
74511-51-6	60
1-Decanol (ACN)(9CI)	
00112-30-1	60
2-Decene, 4-methyl-,	
74630-30-1	59



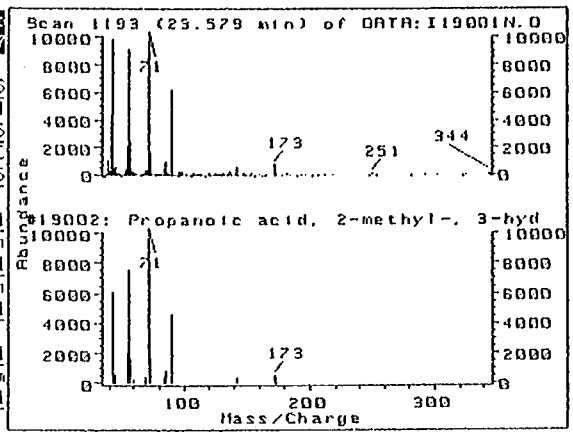
Entry# = 8324 CAS Num = 01472-09-9
Company ID Num = NBS 9/85
Mol.Height = 154.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, octyl- (9CI)

Mol. Formula =
C11H22

Misc. Info. =

14

Propanoic acid, 2-me	
74367-34-3	67
Ethane, isocyanato-	
00109-90-0	36
Oxirane, butyl- (9CI	
01436-34-6	15
Cyclopentanamine (9C	
01003-03-8	15
1-Octene, 2-methyl-	
04588-18-5	11
Furan, 2-butyltetrah	
01004-29-1	11
3-Buten-2-ol, 2-meth	
00115-18-4	11
Cyclobutane, ethyl-	
04806-61-5	11
1-Hexene, 3,4,5-trim	
56728-10-0	11



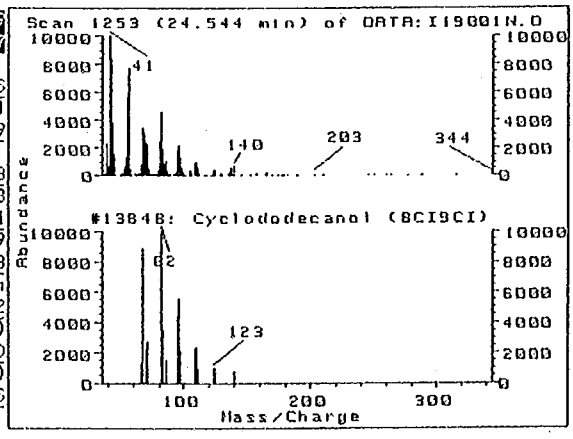
Entry# = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 9/85
Mol.Height = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester (9CI)

Mol. Formula =
C12H24O3

Misc. Info. =

15

Cyclododecanol (8CI9	
01724-39-6	67
Tridecanal (8CI9CI)	
10486-19-8	66
1,14-Tetradecanediol	
19812-64-7	59
Dodecanal (9CI)	
00112-54-9	58
1,12-Dodecanediol (8	
05675-51-4	51
Tetradecanal (ACN)(9	
00124-25-4	48
7-Azabicyclo[4.1.0]h	
25022-25-7	42
15-Octadecenal (9CI)	
56554-93-9	40
17-Octadecenal (9CI)	
56554-86-0	36



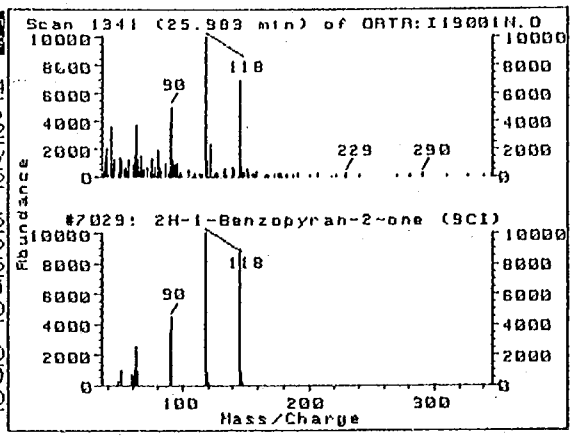
Entry# = 13848 CAS Num = 01724-39-6
Company ID Num = NBS 9/85
Mol.Height = 184.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclododecanol (8CI9CI)

Mol. Formula =
C12H24O

Misc. Info. =

16

2H-1-Benzopyran-2-on	
00091-64-5	89
Benzofuran (8CI9CI)	
00271-89-6	64
1(2H)-Naphthalenone,	
00529-34-0	42
1,2-Benzenedicarboxy	
04316-23-8	35
2(1H)-Quinoxalinone	
01196-57-2	25
Butane, 1-(ethylthio	
00638-46-0	25
2H-Cyclopenta[d]pyri	
00270-64-4	20
Phthalazin-1-one	
00119-39-1	20
1H-Indazole (8CI9CI)	
00271-44-3	20



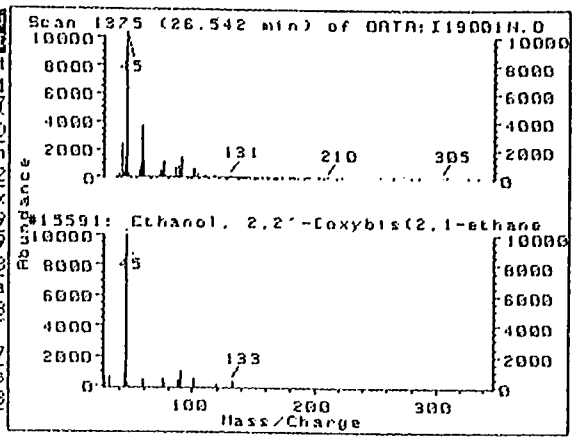
Entry# = 7029 CAS Num = 00091-64-5
Company ID Num = NBS 9/85
Mol.Height = 146.036 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2H-1-Benzopyran-2-one (9CI)

Mol. Formula =
C9H6O2

Misc. Info. =
Drugs; Misc. Natural products;

17

Ethanol, 2,2'-[oxybi	
00112-60-7	73
Ethanol, 2-[2-(2-but	
00143-22-6	71
Triethylene glycol [	
00112-27-6	70
Ethanol, 2-[2-(ethen	
00929-37-3	52
3,6,9,12-Tetraoxahex	
01559-34-8	49
1,3-Butanediol (8CI9	
00107-88-0	28
3,6,9,12,15-Pentaoxa	
01786-94-3	28
2-Hexanol (8CI9CI)	
00626-93-7	27
Butane, 1,1'-[oxybis	
00112-73-2	18



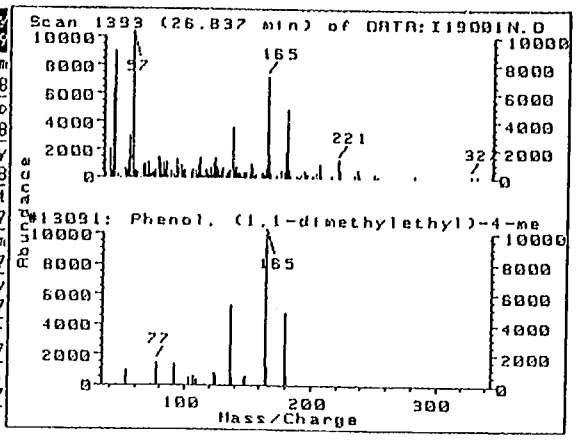
Entry# = 15591 CAS Num = 00112-60-7
Company ID Num = NBS 9/85
Mol.Weight = 194.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2,2'-[oxybis(2,1-ethanediyloxy)]bis- (9CI)

Mol. Formula =
C8H18O5

Misc. Info. =
Carbohydrates;

18

Phenol, (1,1-dimethy	
25013-16-5	79
Ethanone, 1-(2,5-dim	
01201-38-3	48
Ethanone, 1-(2-hydro	
04223-84-1	28
9H-Fluorene, 3-methy	
02523-39-9	28
Ethanol, 2-[4-(1-met	
54576-35-1	27
Thiazolo[5,4-d]pyrim	
19935-21-3	27
9H-Fluorene, 4-methy	
01556-99-6	27
Silane, trimethyl[2-	
01009-02-5	27
2-Propen-1-ol, 3-(2,	
04808-01-9	27



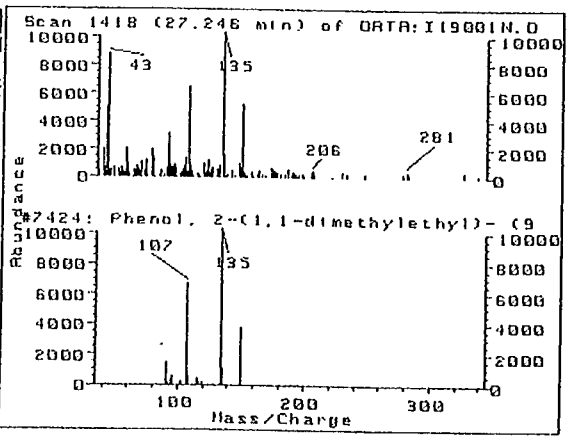
Entry# = 13091 CAS Num = 25013-16-5
Company ID Num = NBS 9/85
Mol.Weight = 180.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, (1,1-dimethylethyl)-4-methoxy- (9CI)

Mol. Formula =
C11H16O2

Misc. Info. =
Drugs; Pesticides;

19

Phenol, 2-(1,1-dimet	
00088-18-6	67
Phenol, 2-ethyl-4,5-	
02219-78-5	46
Phenol, 2,3,5,6-tetr	
00527-35-5	44
Phenol, diethyl- (8C	
26967-65-7	44
Ethanone, 1-(2-hydro	
01450-72-2	38
Oxiranecarboxylic ac	
00121-39-1	31
Phenol, 5-methyl-2-(	
00089-83-8	31
Pyrazolo[5,1-c]-as-t	
06726-50-7	31
Phenol, 3-methyl-5-(	
02631-37-0	30



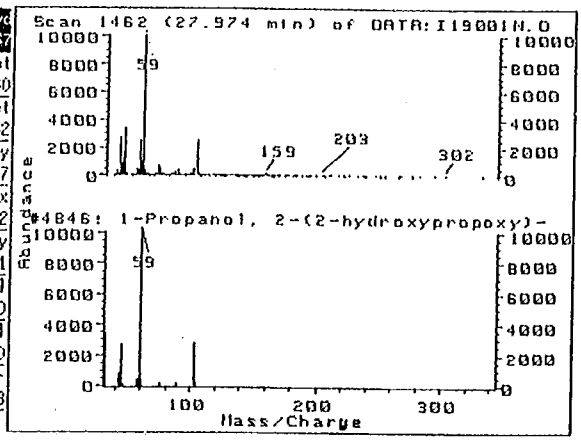
Entry# = 7424 CAS Num = 00088-18-6
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2-(1,1-dimethylethyl)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

20

1-Propanol, 2-[2-hyd	
00106-62-7	67
2-Propanol, 1-[2-met	
20324-32-7	60
2-Propanol, 1-[1-met	
55956-25-7	52
2-Butanol, 1-methoxy	
53778-73-7	37
2-Propanol, 1-methox	
03587-64-2	32
Pentanamide, 4-methy	
01119-29-5	31
Butanamide, 3-methyl	
00541-46-8	30
3-Heptanol, 4-methyl	
14979-39-6	30
Formamide, N-methyl-	
00123-39-7	28



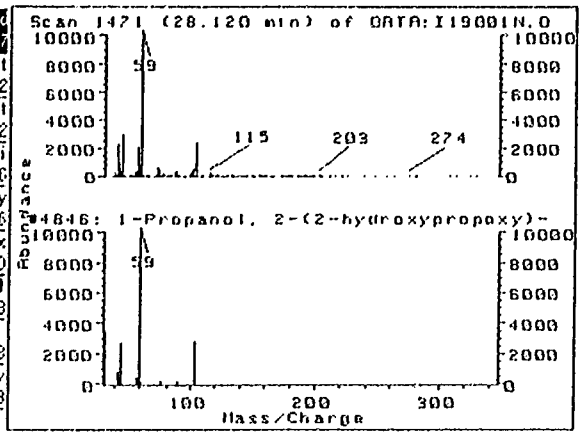
Entry# = 4846 CAS Num = 00106-62-7
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI9CI)

Mol. Formula =
C6H14O3

Misc. Info. =

21

1-Propanol, 2-(2-hyd	
00106-62-7	67
2-Propanol, 1-(1-met	
55956-25-7	52
Propanenitrile, 3-et	
02141-62-0	42
Ethanedioic acid, di	
00553-90-2	30
2-Butanol, 1-methoxy	
53778-73-7	30
2-Propanol, 1-methox	
03587-64-2	30
Butanamide, 3-methyl	
00541-46-8	28
Pentanamide (9CI)	
00626-97-1	28
Pentanamide, 4-methy	
01119-29-5	28



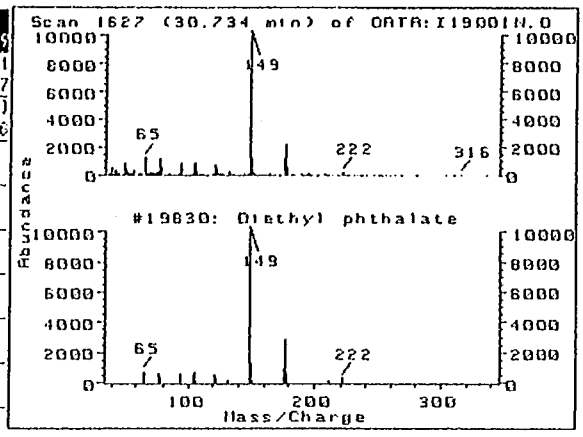
Entry# = 4846 CAS Num = 00106-62-7
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI9CI)

Mol. Formula =
C6H14O3

Misc. Info. =

22

Diethyl phthalate	
00084-66-2	75
Benzothiazole, 2-met	
00120-75-2	27
1H-s-Triazolo[1,5-a]	
13980-64-8	26



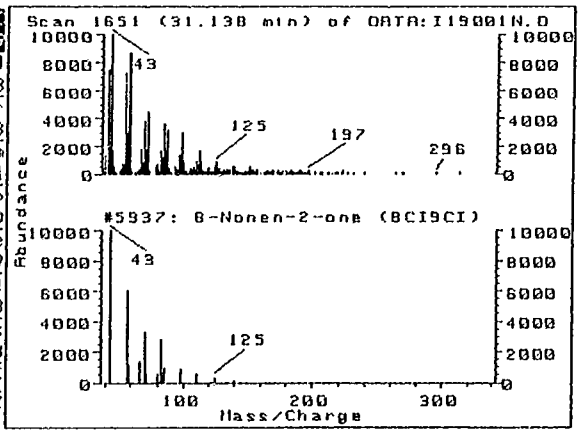
Entry# = 19830 CAS Num = 00084-66-2
Company ID Num = NBS 9/85
Mol.Weight = 222.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Diethyl phthalate

Mol. Formula =
C12H14O4

Misc. Info. =
Pesticides; Priority Pollutants;

23

8-Nonen-2-one (8CI9C	
05009-32-5	39
Oxirane, [(hexadecyl	
15965-99-8	33
Undecanal, 2,6,10-tr	
00105-88-4	33
Cyclopentanemethylam	
17943-85-0	31
Cyclopropane, (metho	
01003-13-0	30
Acetic acid, 2-(dime	
01421-89-2	29
1-Butanone, 4-(dimet	
03760-63-2	28
Oxirane, [(dodecylox	
02461-18-9	28
Silacyclopentane (8C	
00288-06-2	26



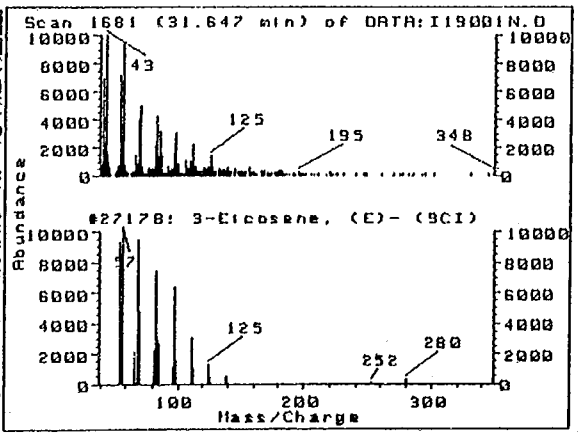
Entry# = 5937 CAS Num = 05009-32-5
Company ID Num = NBS 9/85
Mol.Weight = 140.119 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
8-Nonen-2-one (8CI9CI)

Mol. Formula =
C9H16O

Misc. Info. =

24

3-Eicosene, (E)- (9C	
74685-33-9	87
5-Eicosene, (E)- (9C	
74685-30-6	84
9-Eicosene, (E)- (9C	
74685-29-3	70
11-Tricosene (9CI)	
52078-56-5	63
Clonitazene	
03861-76-5	52
Ethanol, 2-(tetradec	
02136-70-1	52
Dodecane, 1-cyclopen	
07225-68-5	41
1-Octadecene (8CI9CI	
00112-88-9	41
Eicosane, 9-cyclohex	
04443-61-2	39



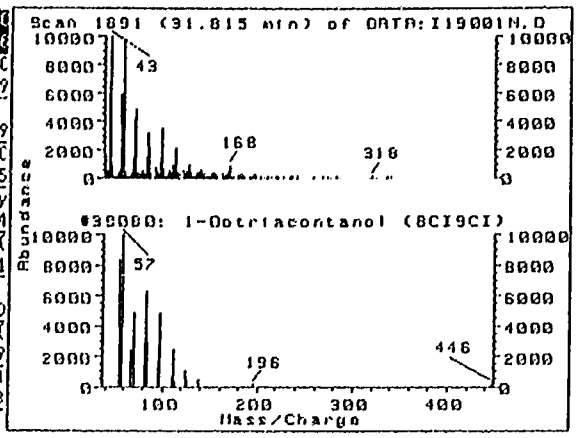
Entry# = 27178 CAS Num = 74685-33-9
Company ID Num = NBS 9/85
Mol.Weight = 280.312 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Eicosene, (E)- (9CI)

Mol. Formula =
C20H40

Misc. Info. =

25

1-Dotriacontanol (8C	
06624-79-9	76
3-Eicosene, (E)- (9C	
74685-33-9	69
11-Tricosene (9CI)	
52078-56-5	69
5-Eicosene, (E)- (9C	
74685-30-6	65
Cyclopentane, 1-buty	
62199-50-2	64
5-Octadecene, (E)- (	
07206-21-5	61
17-Pentatriacontene	
06971-40-0	60
3-Octadecene, (E)- (	
07206-19-1	59
1-Hexadecanol, 2-met	
02490-48-4	53



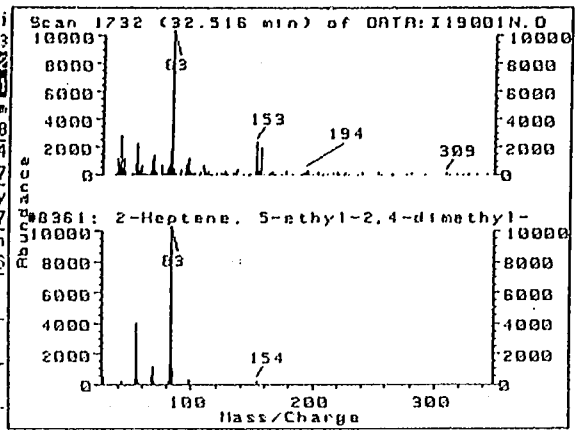
Entry# = 39080 CAS Num = 06624-79-9
Company ID Num = NBS 9/85
Mol.Weight = 466.509 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Dotriacontanol (8CI9CI)

Mol. Formula =
C32H66O

Misc. Info. =

26

Cyclohexanecarboxyli	
04840-76-0	33
2-Heptene, 5-ethyl-2	
74421-06-0	31
2-Hexene, 4,4,5-trim	
55702-61-9	28
4H-1,2,4-Triazole, 4	
10570-40-8	27
Cyclopentane, 1-ethy	
16747-50-5	27
2-Decene, 2,4-dimeth	
74421-03-7	26



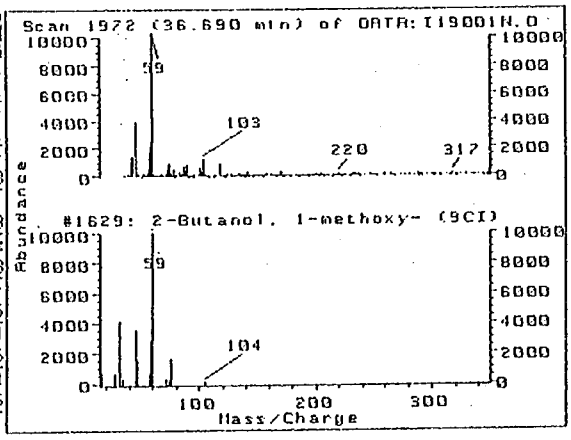
Entry# = 8361 CAS Num = 74421-06-0
Company ID Num = NBS 9/85
Mol.Weight = 154.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Heptene, 5-ethyl-2,4-dimethyl- (9CI)

Mol. Formula =
C11H22

Misc. Info. =

27

2-Butanol, 1-methoxy	
53778-73-7	60
Propanenitrile, 3-et	
02141-62-0	41
Ethene, (2-ethoxy-1-	
54063-18-2	31
Formamide, N-formyl-	
18197-25-6	28
Pentane, 2-methoxy-	
06795-88-6	28
1-Propanol, 2-methox	
01589-47-5	28
Butane, 2-methoxy-3-	
62016-49-3	25
Butanamide, 3-methyl	
00541-46-8	25
Ethene, (2-methoxyet	
01663-35-0	25



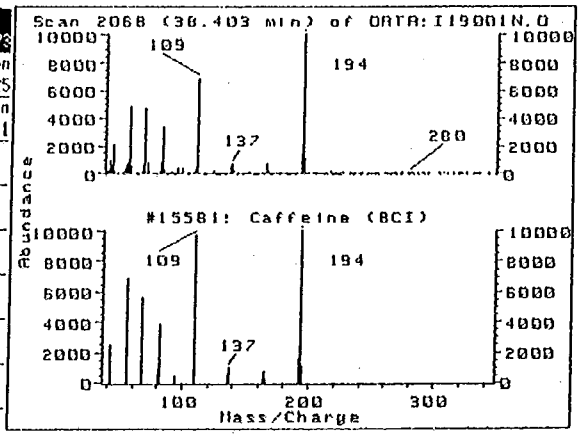
Entry# = 1629 CAS Num = 53778-73-7
Company ID Num = NBS 9/85
Mol.Weight = 104.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanol, 1-methoxy- (9CI)

Mol. Formula =
C5H12O2

Misc. Info. =

28

Caffeine (8CI)	
00058-08-2	93
2H-1-Benzopyran-2-on	
22065-07-2	25
Bicyclo[2.2.1]heptan	
15780-36-6	11



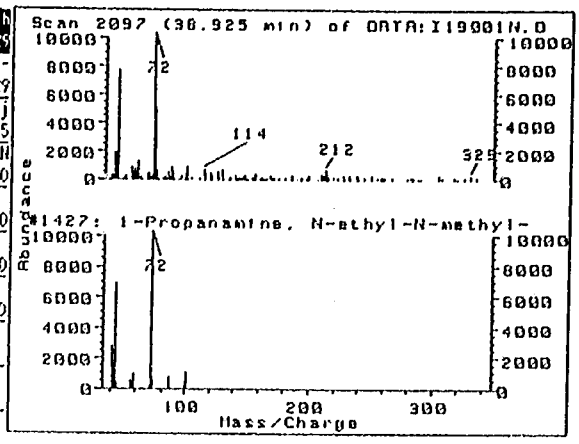
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

29

1-Propanamine, N-eth	
04458-32-6	29
Formamide, N-[1-[(1-	
32375-10-3	29
1H-Pyrimido[4,5,6-ij	
55044-48-9	25
1,2-Ethanediamine, N	
00109-81-9	20
2-Propanamine (9CI)	
00075-31-0	20
Ether, 1-butylvinyl	
16519-66-7	20
Propanamide (9CI)	
00079-05-0	20



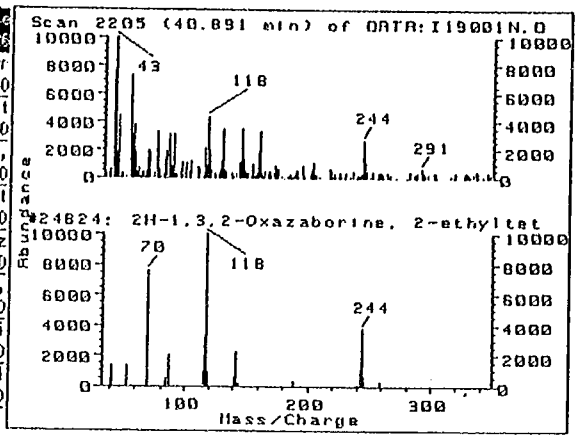
Entry# = 1427 CAS Num = 04458-32-6
Company ID Num = NBS 9/85
Mol.Weight = 101.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanamine, N-ethyl-N-methyl- (9CI)

Mol. Formula =
C6H15N

Misc. Info. =

30

2H-1,3,2-Oxazaborine	
74630-85-6	28
1H-Pyrrolo[2,3-b]pyr	
00271-63-6	20
Acetamide, N-(aminot	
00591-08-2	20
1(2H)-Naphthalenone,	
00529-34-0	20
Azetidine, 3,3-dimet	
22606-93-5	20
Ethanone, 1-(1H-benz	
00939-70-8	20
1(2H)-Naphthalenone,	
14944-23-1	20
Ethanol, 2,2',2''-ni	
00102-71-6	20
Benzene, (3-methyl-1	
38212-14-5	20



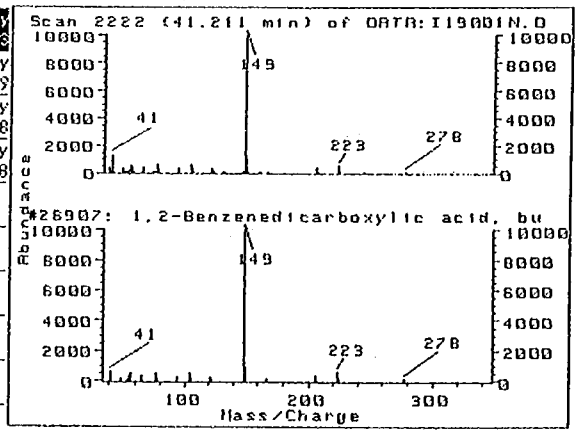
Entry# = 24824 CAS Num = 74630-85-6
Company ID Num = NBS 9/85
Mol.Weight = 259.210 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2H-1,3,2-Oxazaborine, 2-ethyltetrahydro-4,5-dimethy
l-3-(1-methylethyl)-6-phenyl- (9CI)

Mol. Formula =
C16H26BNO

Misc. Info. =

31

1,2-Benzenedicarboxy	
17851-53-5	93
1,2-Benzenedicarboxy	
00117-82-8	89
1,2-Benzenedicarboxy	
00084-64-0	78
1,2-Benzenedicarboxy	
00085-69-8	78



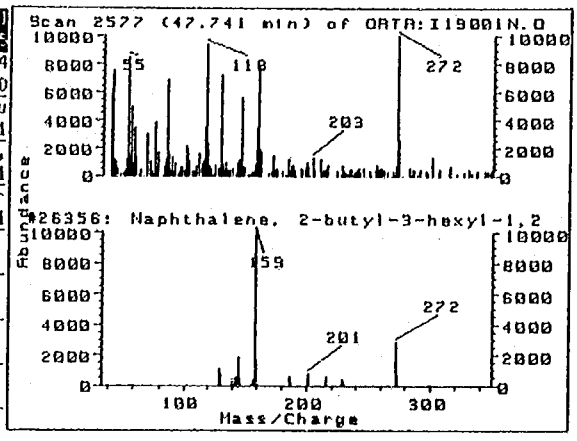
Entry# = 26907 CAS Num = 17851-53-5
Company ID Num = NBS 9/85
Mol.Weight = 278.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl
ester (9CI)

Mol. Formula =
C16H22O4

Misc. Info. =

32

Naphthalene, 2-butyl	
55320-12-2	25
Naphthalene, 1,2,3,4	
07524-63-2	20
1H-Pyrimido[1,2-a]qu	
63658-84-4	11
1(2H)-Naphthalenone,	
14944-23-1	11
1H-Pyrrolo[2,3-b]pyr	
27257-18-7	11



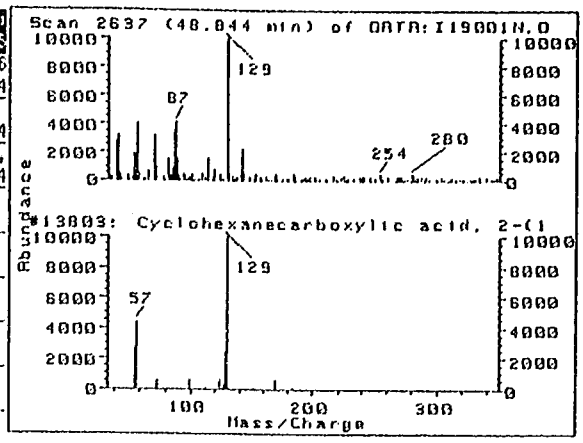
Entry# = 26356 CAS Num = 55320-12-2
Company ID Num = NBS 9/85
Mol.Weight = 272.249 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 2-butyl-3-hexyl-1,2,3,4-tetrahydro- (9
CI)

Mol. Formula =
C20H32

Misc. Info. =

33

Cyclohexanecarboxyli	
27392-16-1	25
1,3,5-Triazine-2,4,6	
00108-80-5	24
2,4-Difluoroaniline	
00367-25-9	24
2-Pyrrolidinethione,	
35418-37-2	24



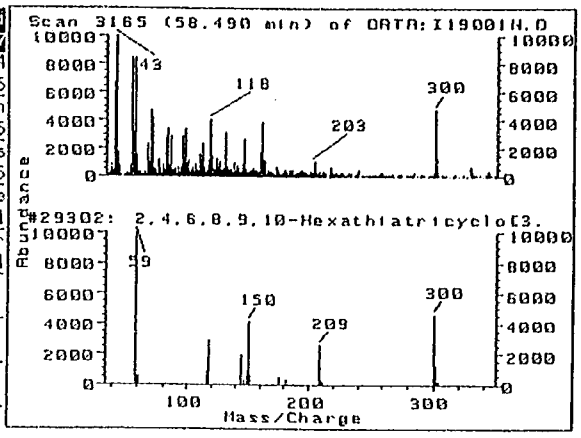
Entry# = 13803 CAS Num = 27392-16-1
Company ID Num = NBS 9/85
Mol.Weight = 184.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanecarboxylic acid, 2-(1,1-dimethylethyl)-, trans- (9CI)

Mol. Formula =
C11H20O2

Misc. Info. =

34

2,4,6,8,9,10-Hexathi	
06327-74-8	27
Naphthalene, 1,2,3,4	
07524-63-2	15
3H-1,3-Benzodiazepin	
46035-38-5	15
Phosphine, acetylbis	
50837-80-4	15
Estra-1,3,5(10)-trie	
74299-15-3	11
1H-Imidazo[1,2-a]pyr	
31757-60-9	11



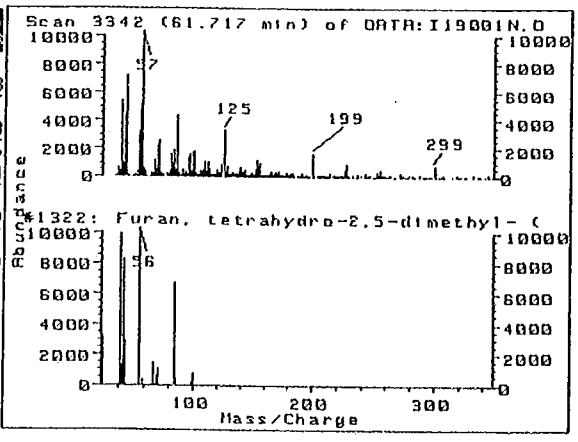
Entry# = 29302 CAS Num = 06327-74-8
Company ID Num = NBS 9/85
Mol.Weight = 299.926 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,4,6,8,9,10-Hexathiatricyclo[3.3.1.13,7]decane, 1,3,5,7-tetramethyl- (9CI)

Mol. Formula =
C6H12S6

Misc. Info. =

35

Furan, tetrahydro-2,	
01003-38-9	33
Furan, tetrahydro-2,	
38484-59-2	28
Furan, tetrahydro-2,	
39168-01-9	28
2H-Pyran, tetrahydro	
10141-72-7	24
Thiazole (8CI9CI)	
00288-47-1	20
2-Pentanone, 5-(1,2-	
55702-69-7	20
1-Pentanol, 3,3,4-tr	
65502-58-1	20
Phosphoramidous dif	
25757-74-8	20
Butanoic acid, 3-met	
02835-39-4	20



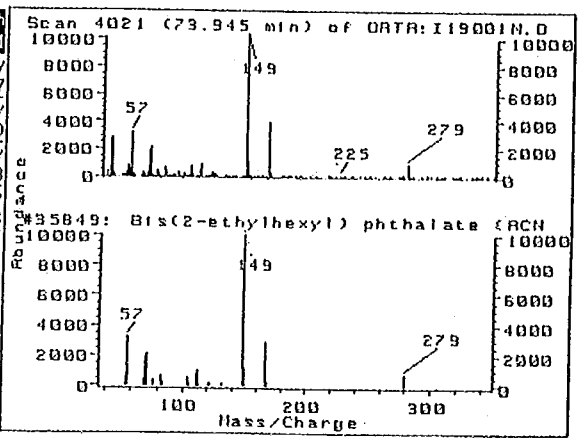
Entry# = 1322 CAS Num = 01003-38-9
Company ID Num = NBS 9/85
Mol.Weight = 100.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Furan, tetrahydro-2,5-dimethyl- (8CI9CI)

Mol. Formula =
C6H12O

Misc. Info. =

36

Bis(2-ethylhexyl) ph	
00117-81-7	71
1,2-Benzenedicarboxy	
27554-26-3	67
1,2-Benzenedicarboxy	
00603-11-2	50
1,2-Benzenedicarboxy	
00119-07-3	28
1,2-Benzenedicarboxy	
03648-21-3	26



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

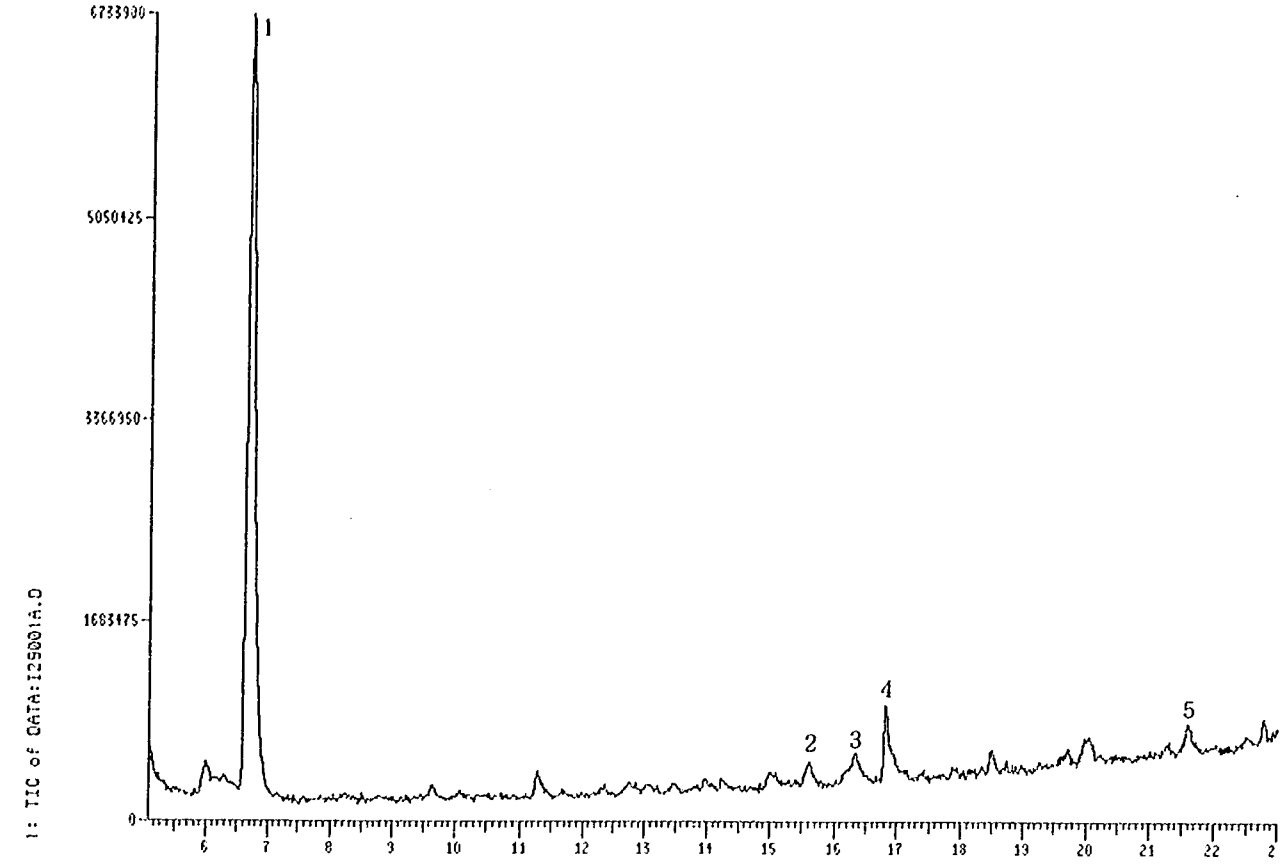
Misc. Info. =
Pesticides; Priority Pollutants;

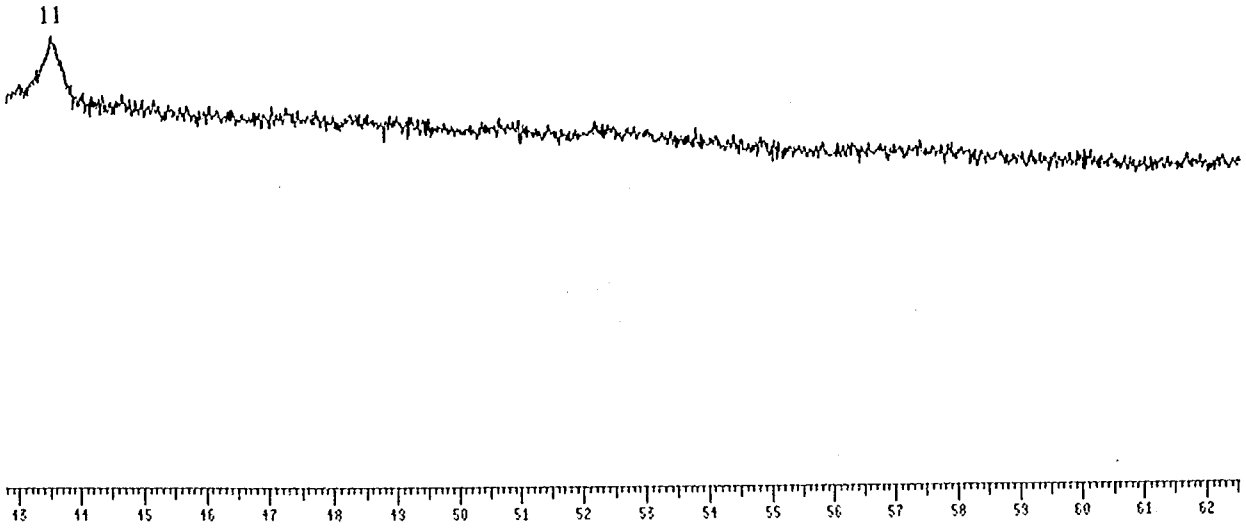
Ⅲ － 1 3

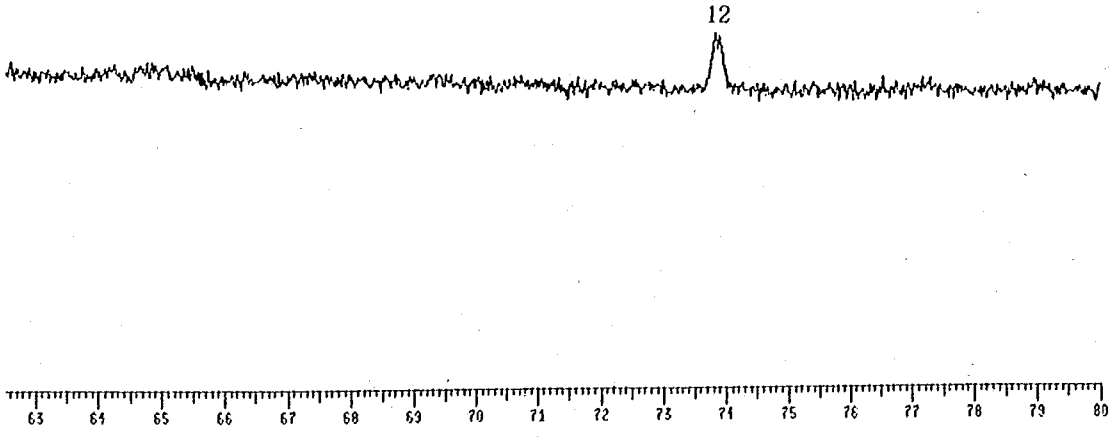
Ⅰ処理場　一次処理水　酸性分画

I29001A

No	Name
1	unknown
2	Phenol, 2,4-dimethyl-
3	Phenol, 3-ethyl-
4	Ethanol, 2-(2-butoxyethoxy)-
5	Phthalic anhydride
6	unknown
7	unknown
8	Caffeine
9	unknown
10	unknown
11	unknown
12	Bis(2-ethylhexyl) phthalate

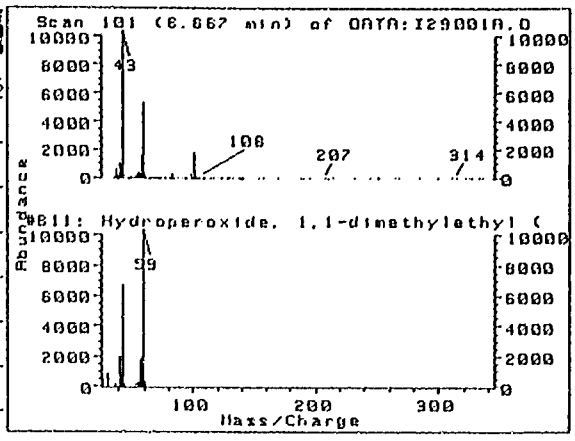

6733900
5050425
3366950
1683475
0
1: TIC of DATA:I25001A.D
1
2
3
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7
8
9
10


11
43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62


12
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.01 minutes Chart speed = 1.24 cm/min

1

Hydroperoxide, 1,1-d	
00075-91-2	2
Acetamide (8CI9CI)	
00060-35-5	15



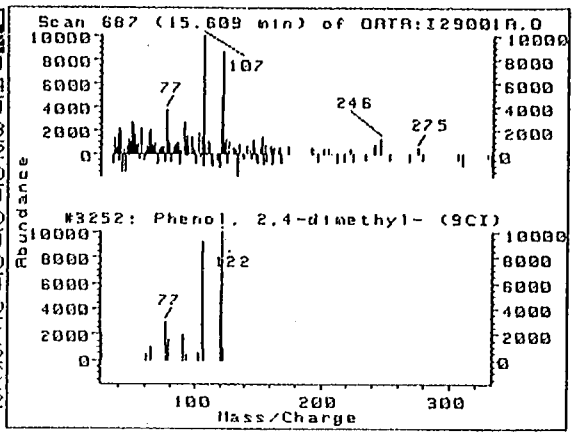
Entry# = 811 CAS Num = 00075-91-2
Company ID Num = NBS 9/85
Mol.Weight = 90.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hydroperoxide, 1,1-dimethylethyl (9CI)

Mol. Formula =
C4H10O2

Misc. Info. =
Pesticides;

2

Phenol, 2,4-dimethyl	
00105-67-9	4
Phenol, 2,6-dimethyl	
00576-26-1	34
Phenol, 2,5-dimethyl	
00095-87-4	33
Benzene, 1-methoxy-2	
00578-58-5	30
Phenol, 2,3-dimethyl	
00526-75-0	30
Phenol, 3,5-dimethyl	
00108-68-9	30
Phenol, 3,4-dimethyl	
00095-65-8	30
Hydrazine, 1-methyl-	
00618-40-6	25
Phenol, 3-ethyl- (9C	
00620-17-7	25



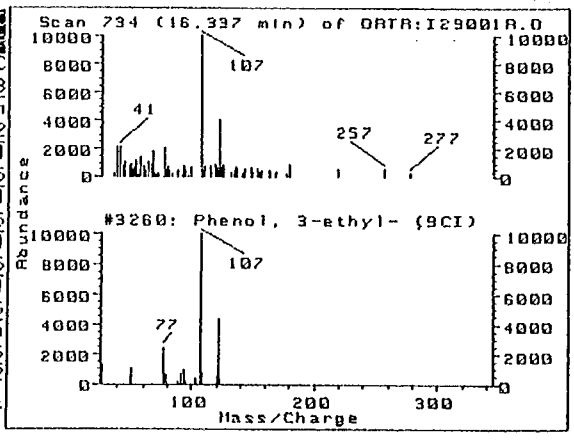
Entry# = 3252 CAS Num = 00105-67-9
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,4-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =
Pesticides; Priority Pollutants;

3

Phenol, 3-ethyl- (9C	
00620-17-7	4
Phenol, 2-ethyl- (9C	
00090-00-6	43
Cyclopentane, 1-meth	
73913-74-3	42
Phenol, 2,3-dimethyl	
00526-75-0	25
Phenol, 3,5-dimethyl	
00108-68-9	25
Phenol, 2,5-dimethyl	
00095-87-4	25
Phenol, 2,6-dimethyl	
00576-26-1	25
Pyridine, 3,4-dimeth	
00583-58-4	25
Benzene, 1-methoxy-2	
00578-58-5	11



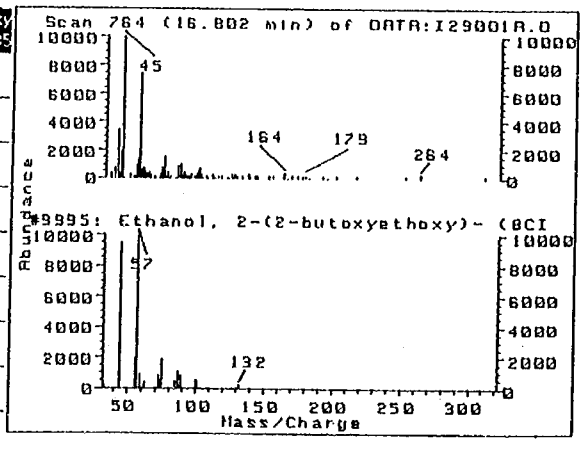
Entry# = 3260 CAS Num = 00620-17-7
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 3-ethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =
Pesticides;

4

Ethanol, 2-(2-butoxy	
00112-34-5	3



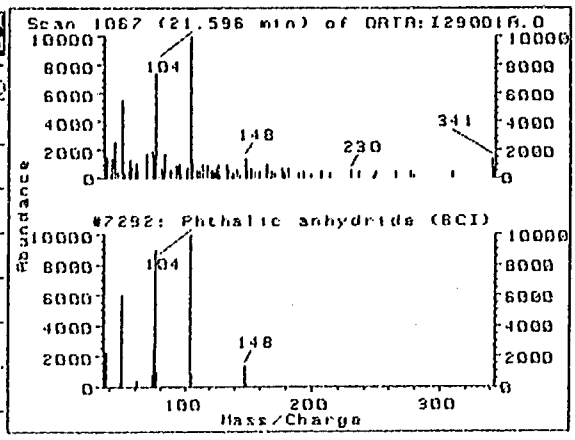
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

5

Phthalic anhydride (	
00085-44-9	71
[2,2'-Bi-1H-indene]-	
05950-69-6	60



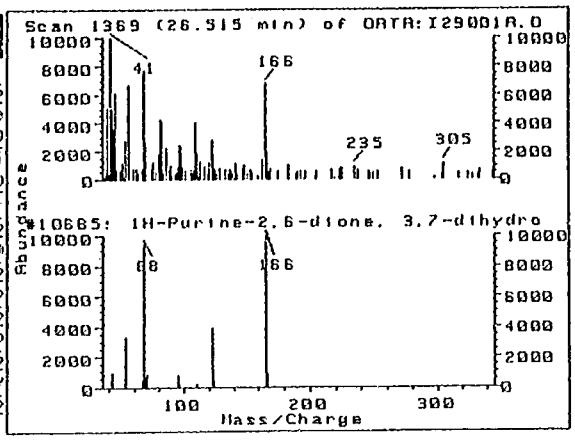
Entry# = 7292 CAS Num = 00085-44-9
Company ID Num = NBS 9/85
Mol.Height = 148.015 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phthalic anhydride (8CI)

Mol. Formula =
C8H4O3

Misc. Info. =
Carbohydrates; Pesticides;

6

1H-Purine-2,6-dione,	
28109-92-4	38
1,6-Octadiene, (E)-	
19036-81-8	35
1,6-Heptadiene, 3-me	
50871-05-1	30
Cyclopropane, 1,1-di	
74779-84-3	30
Cyclobutaneacetonitr	
55760-15-1	25
Cyclopropane, 1,1'-m	
05685-47-2	25
Methylamine, N-cyclo	
10599-83-4	25
Cyclobutane, 1,2-dip	
22769-00-2	25
1H-Pyrrole, 2,5-dihy	
00109-96-6	25



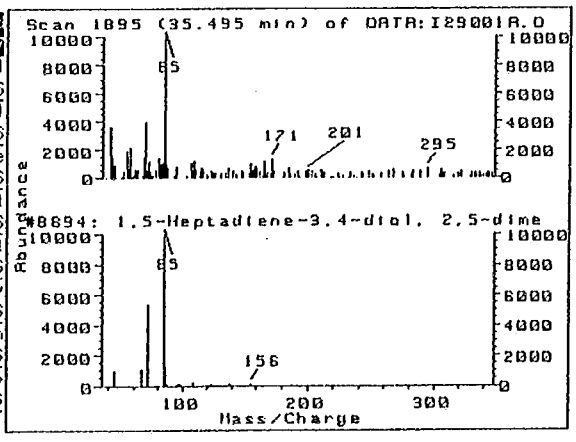
Entry# = 10685 CAS Num = 28109-92-4
Company ID Num = NBS 9/85
Mol.Height = 166.049 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Purine-2,6-dione, 3,7-dihydromethyl- (9CI)

Mol. Formula =
C6H6N4O2

Misc. Info. =
Alkaloids; Misc. Natural products;

7

1,5-Heptadiene-3,4-d	
22607-16-5	37
Ethanone, 1-(3-ethyl	
17257-81-7	36
Hexane, 2-iodo- (8CI	
18589-27-0	36
2H-Pyran, 2-butoxyte	
01927-68-0	36
Butanoic acid, 3-met	
02835-39-4	36
2(3H)-Furanone, 5-et	
00695-06-7	36
2(3H)-Furanone, dihy	
00104-61-0	36
Oxirane, 2-butyl-3-m	
14925-96-3	36
2H-Pyran, tetrahydro	
56666-38-7	36



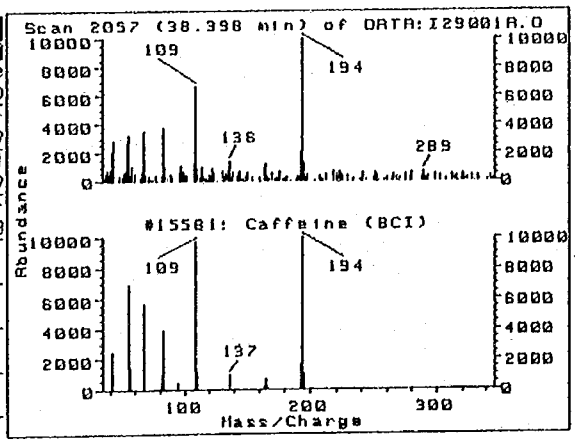
Entry# = 8894 CAS Num = 22607-16-5
Company ID Num = NBS 9/85
Mol.Height = 156.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,5-Heptadiene-3,4-diol, 2,5-dimethyl- (8CI)

Mol. Formula =
C9H16O2

Misc. Info. =

8

Caffeine (8CI)	
00058-08-2	37
1,1'-Biphenyl, (1-me	
38638-39-0	30
2,4,7(1H,3H,8H)-Pter	
31053-46-0	29
9-Phenanthrenol (9CI	
00484-17-3	29
1,3-Dioxolane, 2-(3-	
06952-67-6	28



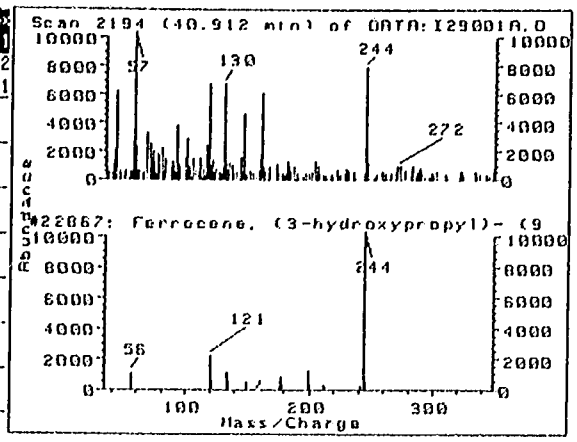
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Height = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

9

Ferrocene, (3-hydrox
12093-88-8 11
1-Phosphetanamine, 2
50377-96-3 11



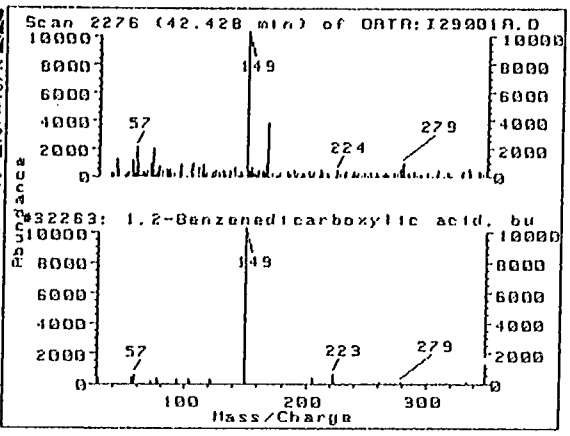
Entry# = 22867 CAS Num = 12093-88-8
Company ID Num = NBS 9/85
Mol.Weight = 244.054 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ferrocene, (3-hydroxypropyl)- (9CI)

Mol. Formula =
C13H16FeO

Misc. Info. =
Metals;

10

1,2-Benzenedicarboxy
00085-69-8 37
Ethanol, 2-(4-phenox
55191-59-8 36
Benzothiazole, 2-met
00120-75-2 35
Carbamodithioic acid
16696-88-1 35



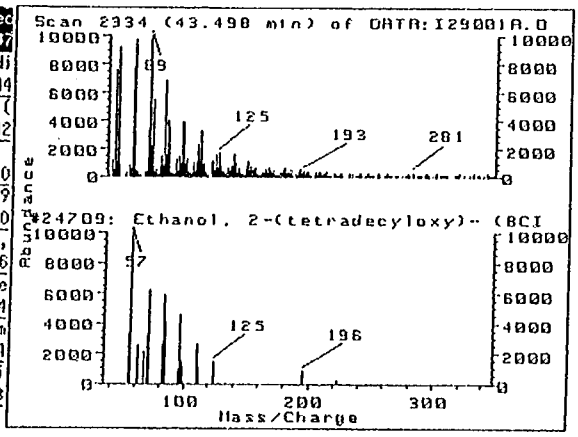
Entry# = 32263 CAS Num = 00085-69-8
Company ID Num = NBS 9/85
Mol.Weight = 334.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl es
ter (9CI)

Mol. Formula =
C20H30O4

Misc. Info. =

11

Ethanol, 2-(tetradec
02136-70-1 47
Cyclopentane, 1,2-di
00489-20-3 44
1-Hentetracontanol (
40710-42-7 42
11-Tricosene (9CI)
52078-56-5 40
3-Hepten-2-one (8CI9
01119-44-4 40
1,2-Cyclohexanediol,
19456-19-0 36
1H-Imidazole, 2-(die
13750-84-0 34
Cyclohexane, 1,2-dim
62376-17-4 34
15-Tetracosenoic aci
02733-88-2 33



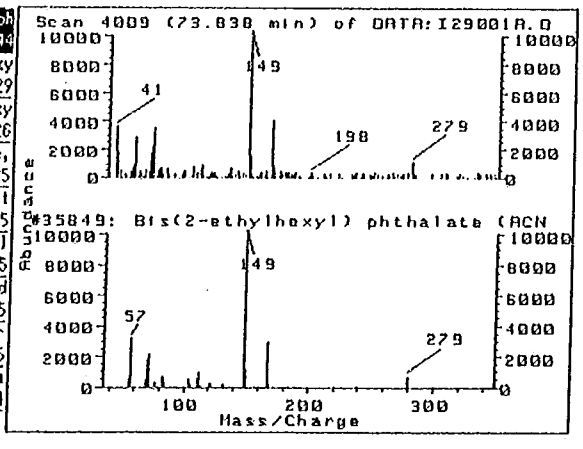
Entry# = 24709 CAS Num = 02136-70-1
Company ID Num = NBS 9/85
Mol.Weight = 258.255 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(tetradecyloxy)- (8CI9CI)

Mol. Formula =
C16H34O2

Misc. Info. =

12

Bis(2-ethylhexyl) ph
00117-81-7 44
1,2-Benzenedicarboxy
00117-82-8 29
1,2-Benzenedicarboxy
00085-69-8 26
1,2-Benzisothiazole,
06197-89-9 25
Benzene, 1-isocyanat
18908-07-1 25
Phthalic acid, allyl
33672-94-5 25
Carbamodithioic acid
16696-88-1 25
Benzamide, o-(2-hydr
02594-59-4 25
Benzene, (isothiocya
00622-78-6 24



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

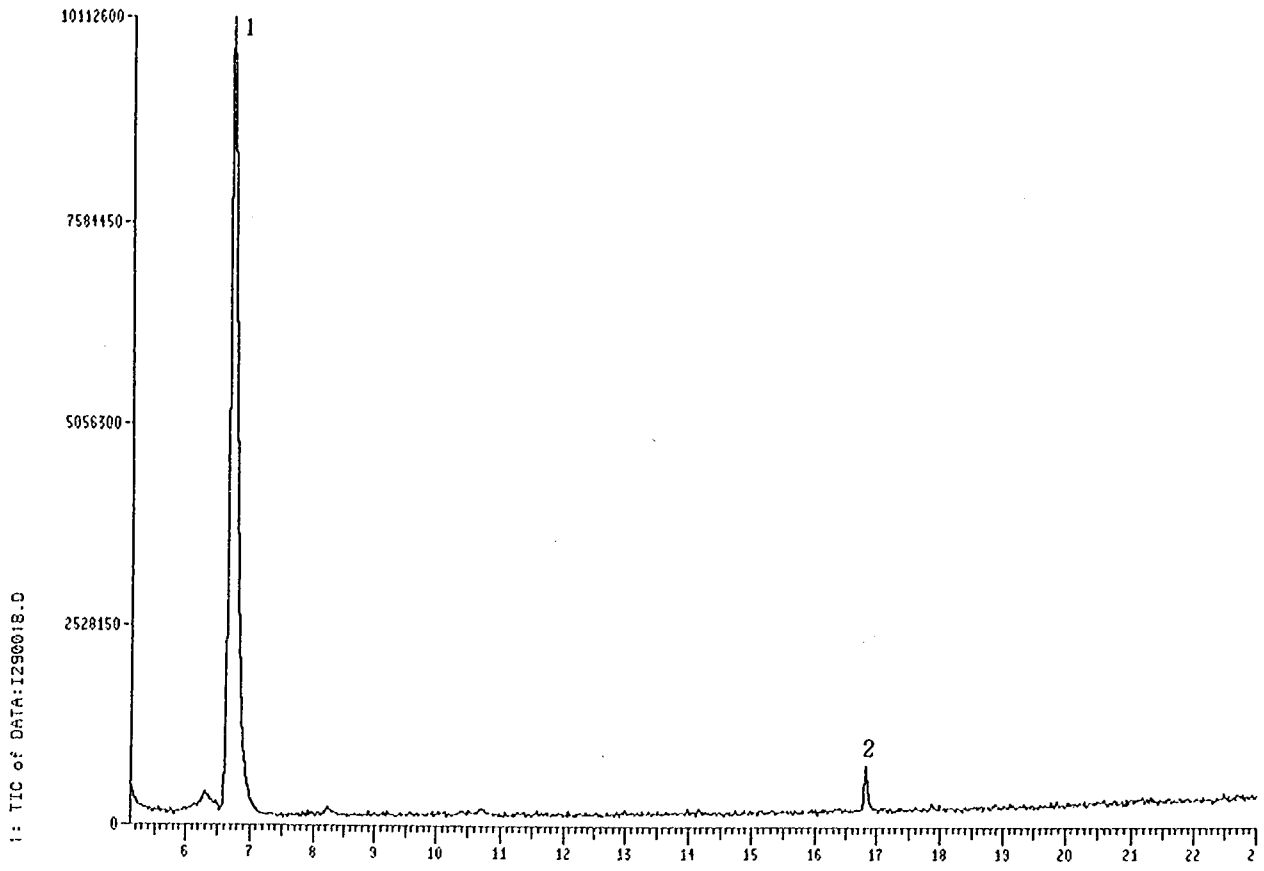
Misc. Info. =
Pesticides; Priority Pollutants;

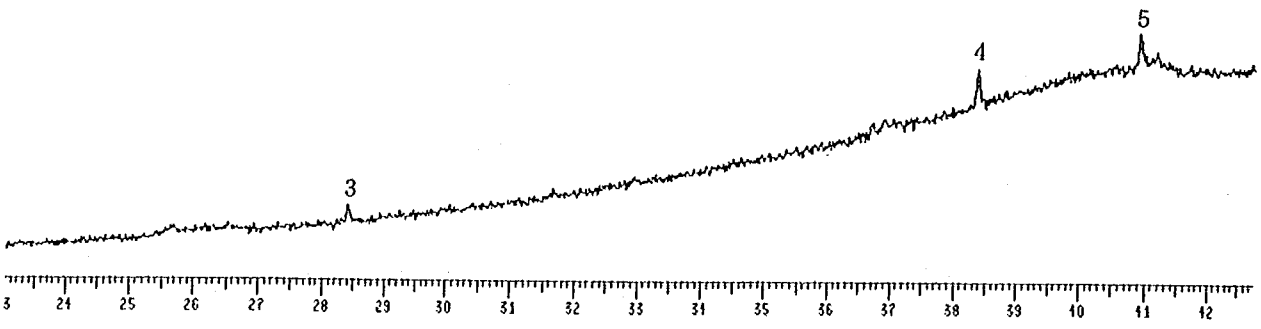
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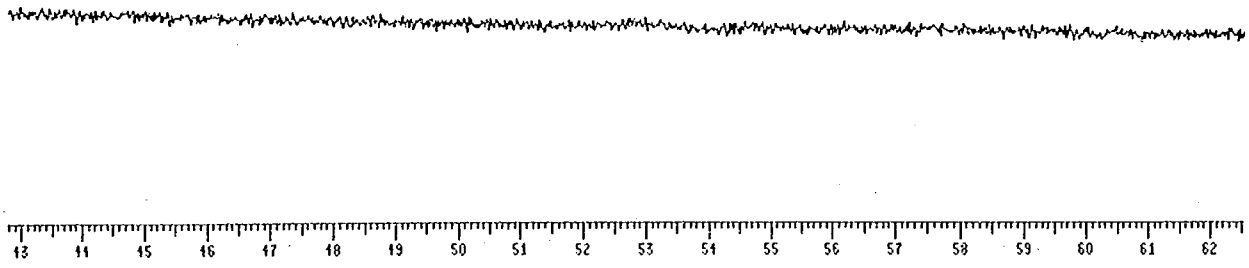
I 処理場　一次処理水　塩基性分画

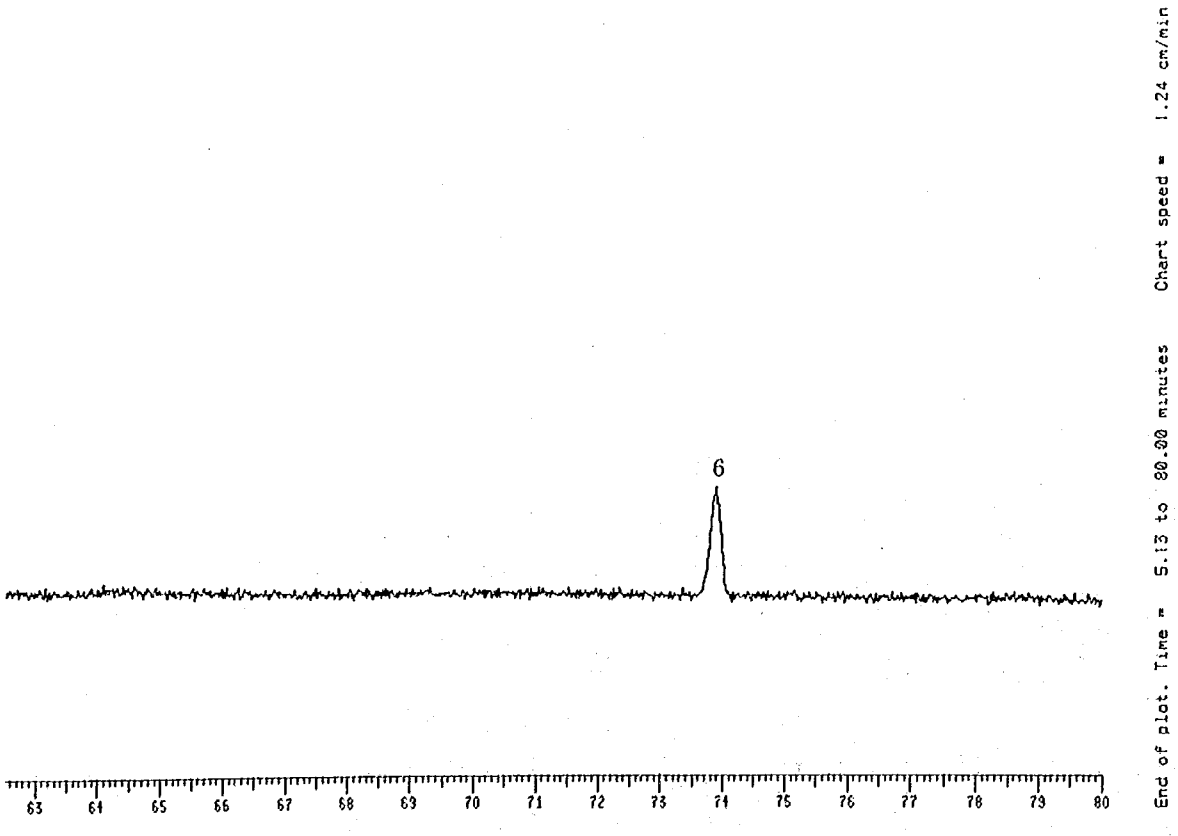
I29001B

No	Name
1	unknown
2	unknown
3	Oxirane, tetramethyl-
4	Caffeine
5	unknown
6	Bis(2-ethylhexyl) phthalate


10112600
7584450
5056300
2528150
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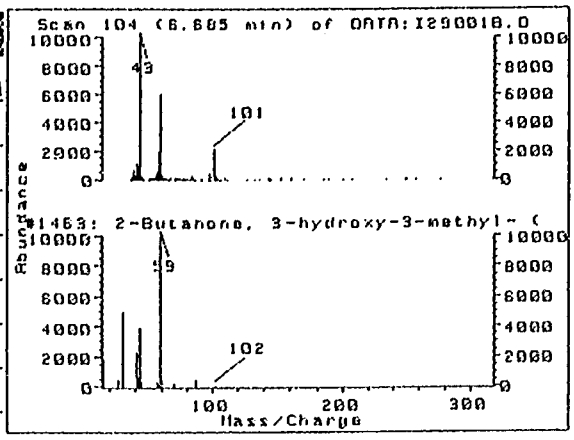

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63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.00 minutes Chart speed = 1.24 cm/min

1

2-Butanone, 3-hydrox	
00115-22-0	1
Acetamide (8CI9CI)	
00060-35-5	11



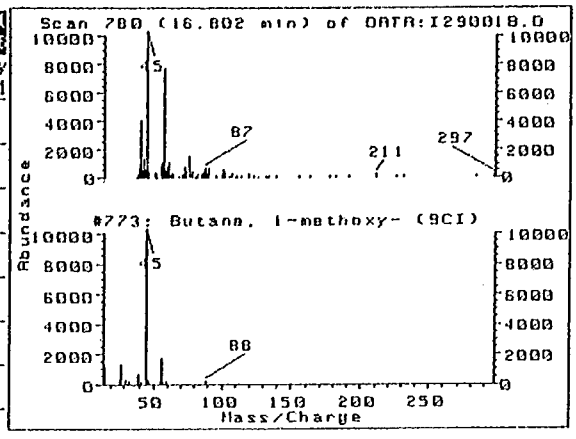
Entry# = 1463 CAS Num = 00115-22-0
Company ID Num = NBS 9/85
Mol.Weight = 102.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanone, 3-hydroxy-3-methyl- (8CI9CI)

Mol. Formula =
C5H10O2

Misc. Info. =

2

Butane, 1-methoxy- (	
00628-28-4	38
Formic acid, 1-methy	
00625-55-8	11



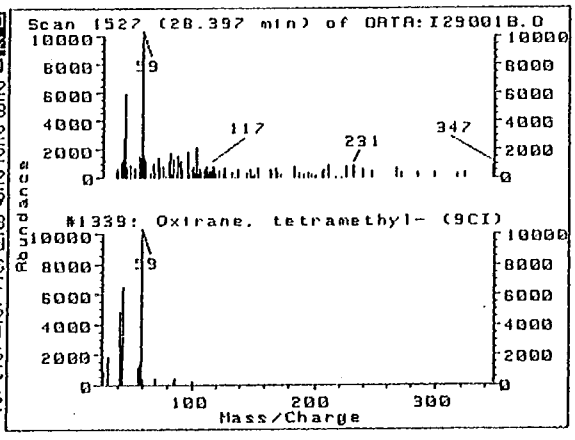
Entry# = 773 CAS Num = 00628-28-4
Company ID Num = NBS 9/85
Mol.Weight = 88.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-methoxy- (9CI)

Mol. Formula =
C5H12O

Misc. Info. =

3

Oxirane, tetramethyl	
05076-20-0	52
Ethanamine, N-methyl	
00624-78-2	52
Silane, dimethyl- (8	
01111-74-6	52
Oxirane, 3-ethyl-2,2	
01192-22-9	52
Silane, hexyl- (8CI9	
01072-14-6	28
1-Propanol, 2-(2-hyd	
00106-62-7	26
2-Propanol, 1-bromo-	
19686-73-8	25
Butanamide, 3-methyl	
00541-46-8	25
1-Propanol, 2-ethoxy	
19089-47-5	25



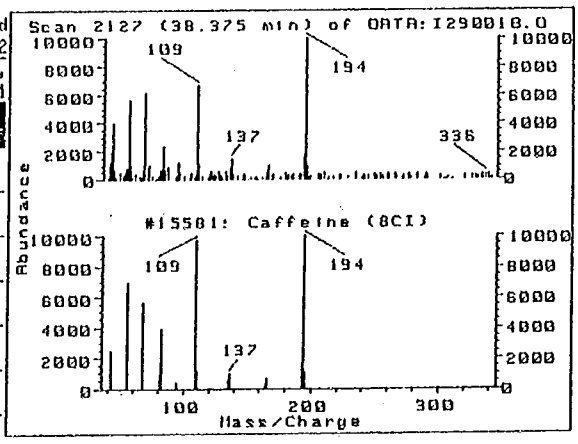
Entry# = 1339 CAS Num = 05076-20-0
Company ID Num = NBS 9/85
Mol.Weight = 100.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Oxirane, tetramethyl- (9CI)

Mol. Formula =
C6H12O

Misc. Info. =

4

2-Butanone, 4-(4-hyd	
00122-48-5	42
3(2H)-Benzofuranone,	
04225-35-8	41
Caffeine (8CI)	
00058-08-2	15



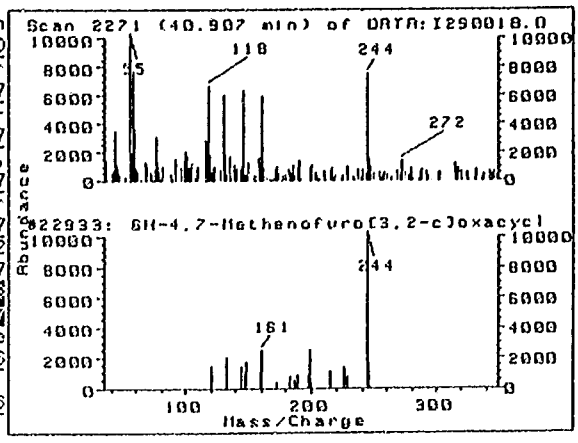
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

5

2H-Benzimidazol-2-on	
54986-47-9	30
1H-Pyrrolo[2,3-b]pyr	
23616-57-1	27
3H-Pyrazol-3-one, 2-	
30707-77-8	27
9H-Xanthen-9-one, 1,	
06052-93-3	27
Ferrocene, 1-(1-hydr	
12289-11-1	27
1-Phosphotanamine, 2	
50377-96-3	27
6H-4,7-Methenofuro[3	
00728-61-0	27
Benzene, (2-methoxye	
54986-30-0	26
1,4-Cyclohexadiene,	
18636-59-4	26



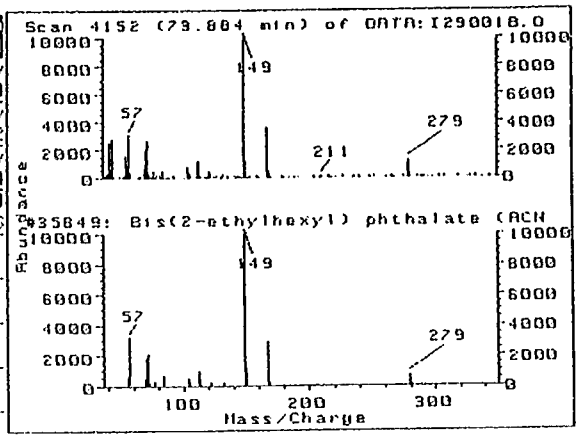
Entry# = 22933 CAS Num = 00728-61-0
Company ID Num = NBS 9/85
Mol.Weight = 244.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
6H-4,7-Methenofuro[3,2-c]oxacycloundecin-6-one, 4,8,9,12-tetrahydro-3,11-dimethyl-, (R-(E))- (9CI)

Mol. Formula =
C15H16O3

Misc. Info. =

6

Bis(2-ethylhexyl) ph	
00117-81-7	71
1,2-Benzenedicarboxy	
00603-11-2	64
1,2-Benzenedicarboxy	
27554-26-3	52
1,2-Benzenedicarboxy	
00085-69-8	34
1H-s-Triazolo[1,5-a]	
13980-64-8	26



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

Misc. Info. =
Pesticides; Priority Pollutants;

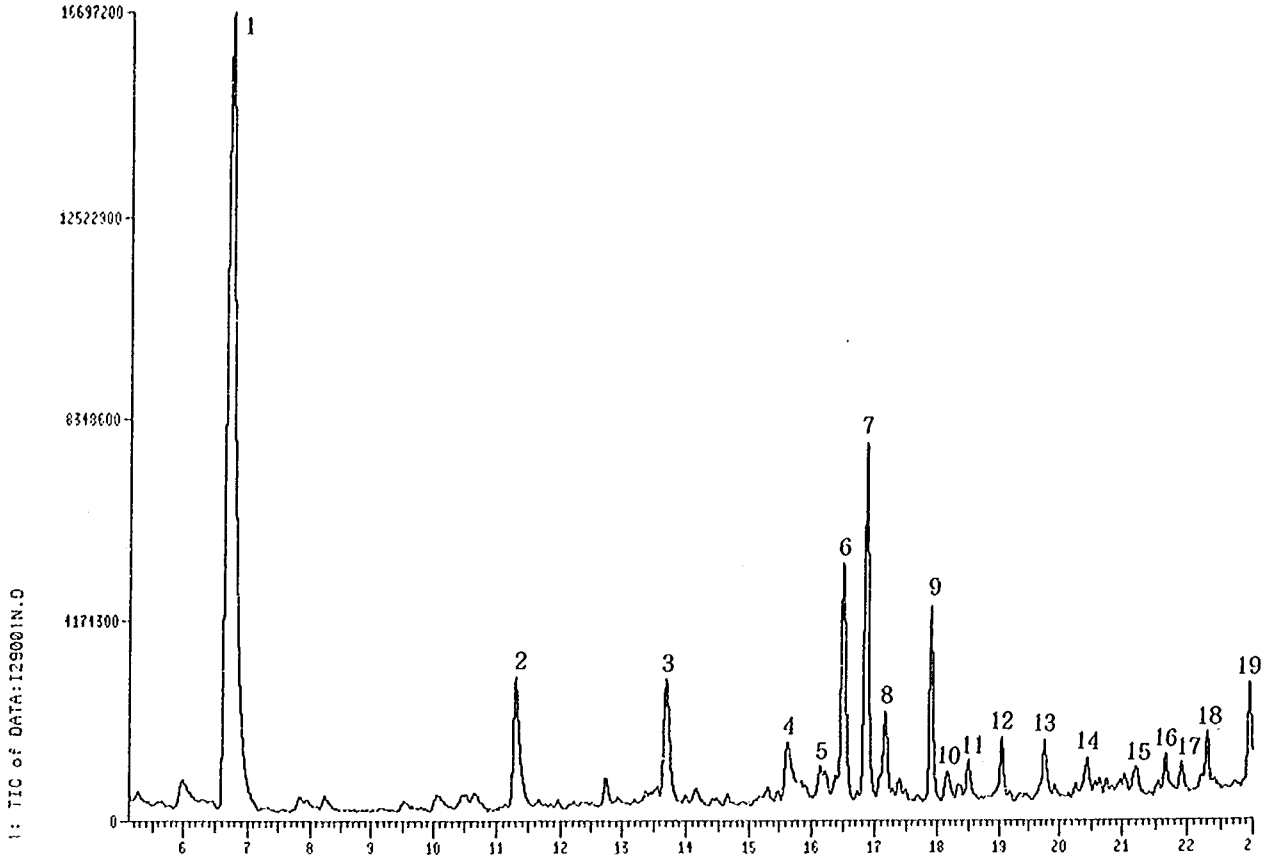
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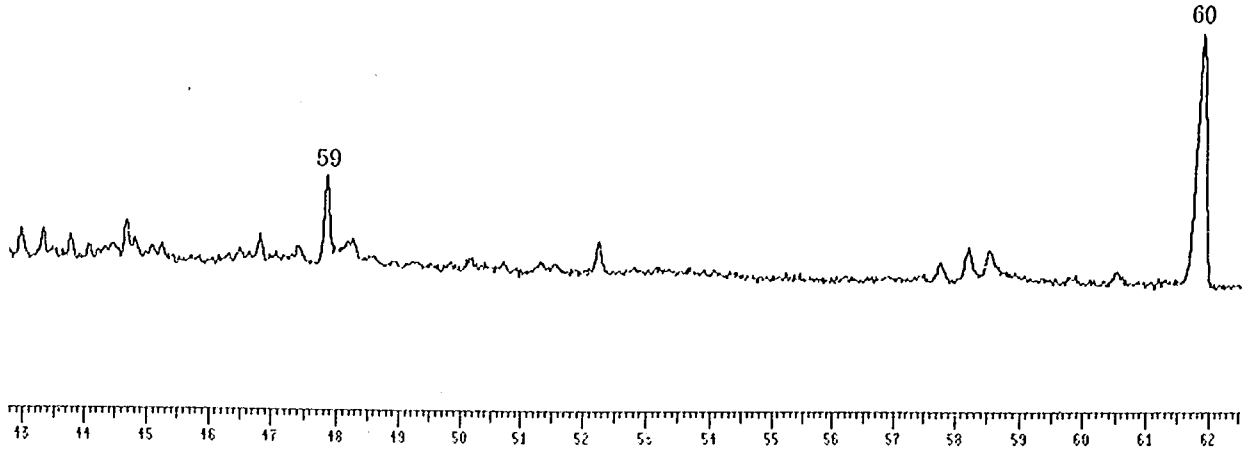
Ⅰ処理場　一次処理水　中性分画

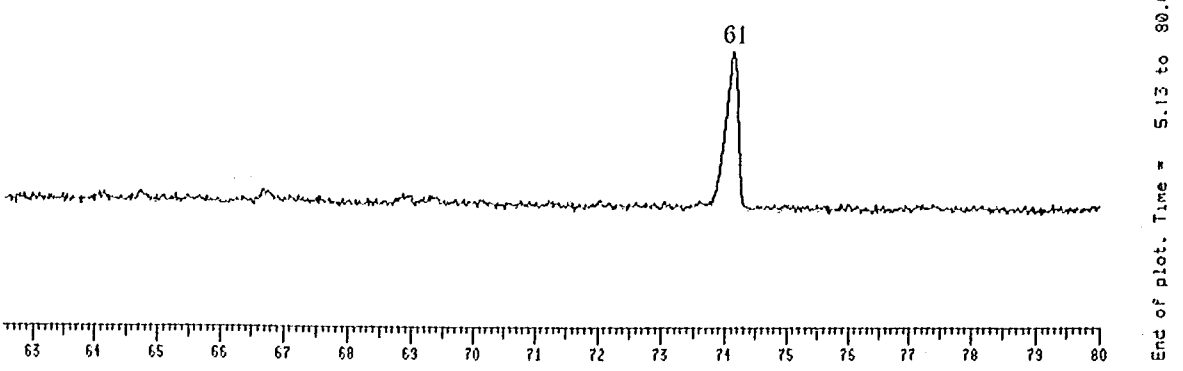
I29001N

No	Name
1	unknown
2	unknown
3	Ethanone, 2-hydroxy-1-phenyl-
4	Phenol, 2,3-dimethyl-
5	Cyclopropane, nonyl-
6	Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha., 2.beta.,5.alpha.)-(.+-.)-
7	Ethanol, 2-(2-butoxyethoxy)-
8	unknown
9	Butane, 1-(2-methoxyethoxy)-
10	unknown
11	Benzothiazole
12	2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-, (R)-
13	Cyclopropane, octyl-
14	unknown
15	unknown
16	unknown
17	unknown
18	1,2,3-Propanetriol, triacetate
19	Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(2-hydroxy -1-methylethyl)propyl ester
20	Cyclopropane, nonyl-
21	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester
22	Dodecanal
23	2H-1-Benzopyran-2-one
24	Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-
25	unknown
26	unknown
27	Phenol, 2-(1,1-dimethylethyl)-
28	1-Propanol, 2-(2-hydroxypropoxy)-
29	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]-
30	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
31	unknown
32	Cyclopropane, 1-hexyl-2-propyl-, cis-
33	1H-Imidazole-4-ethanamine, N,N,2-trimethyl-
34	2-Butanol, 1-(dimethylamino)-
35	unknown
36	unknown
37	Diethyl phthalate
38	unknown
39	unknown
40	1-Octanol, 2-butyl-
41	unknown
42	1-Hexadecanol, 2-methyl-
43	unknown
44	unknown
45	unknown
46	unknown
47	unknown

48	unknown
49	unknown
50	Ethanol, 2-chloro-, phosphate (3:1)
51	unknown
52	unknown
53	unknown
54	Caffeine
55	unknown
56	unknown
57	unknown
58	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
59	unknown
60	unknown
61	Bis(2-ethylhexyl) phthalate

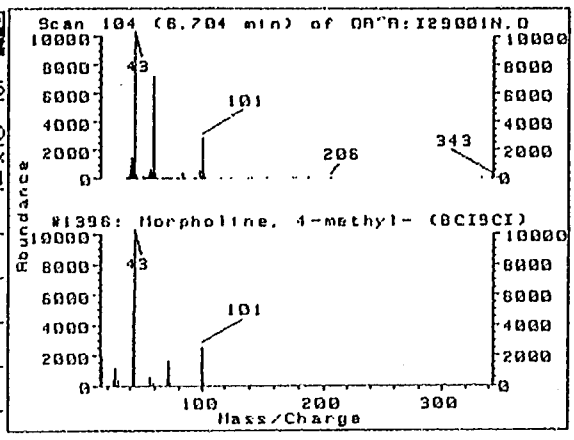

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4174300
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End of plot. Time = 5.13 to 80.01 minutes Chart speed = 1.24 cm/min

1

Morpholine, 4-methyl	
00109-02-4	28
Butane (8CI9CI)	
00106-97-8	25
Guanidine (8CI9CI)	
00113-00-8	20
2-Butanone, 3-hydrox	
00115-22-0	11



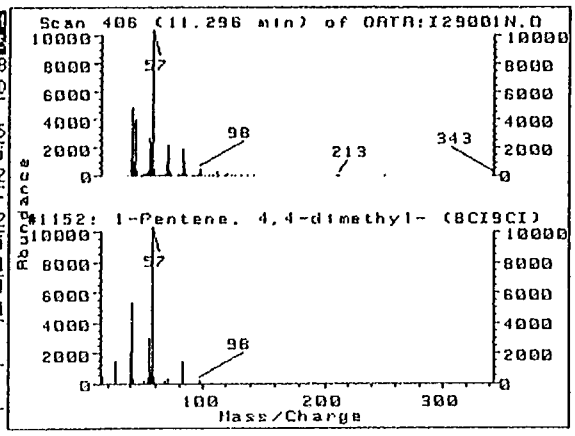
Entry# = 1396 CAS Num = 00109-02-4
Company ID Num = NBS 9/85
Mol.Height = 101.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Morpholine, 4-methyl- (8CI9CI)

Mol. Formula =
C5H11NO

Misc. Info. =

2

1-Pentene, 4,4-dimet	
00762-62-9	35
Heptane, 2-bromo- (8	
01974-04-5	30
Aziridine, 2-hexyl-	
13906-89-3	15
Cyclopentane, 1,3-di	
01759-58-6	12
1-Heptene, 3-methyl-	
04810-09-7	12
Cyclopentane, 1,3-di	
02532-58-3	11
5-Undecene, 8-methyl	
39546-85-5	11



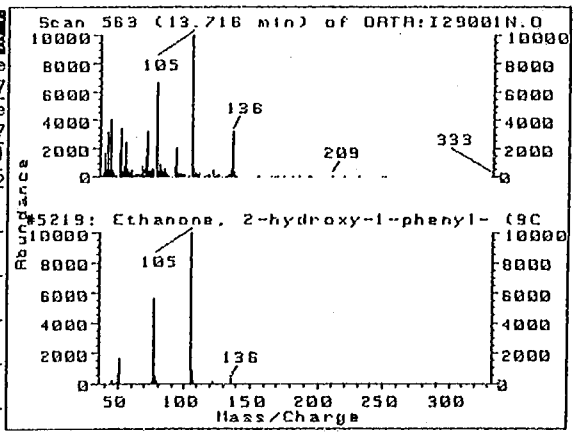
Entry# = 1152 CAS Num = 00762-62-9
Company ID Num = NBS 9/85
Mol.Height = 98.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Pentene, 4,4-dimethyl- (8CI9CI)

Mol. Formula =
C7H14

Misc. Info. =

3

Ethanone, 2-hydroxy-	
00582-24-1	28
Benzeneethanol, 3-me	
01875-89-4	27
Benzeneethanol, 2-me	
12819-98-8	27
Benzoic acid, methyl	
00093-58-3	25



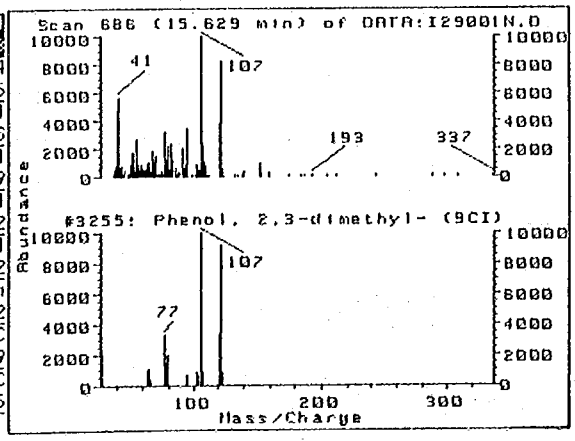
Entry# = 5219 CAS Num = 00582-24-1
Company ID Num = NBS 9/85
Mol.Height = 136.052 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 2-hydroxy-1-phenyl- (9CI)

Mol. Formula =
C8H8O2

Misc. Info. =

4

Phenol, 2,3-dimethyl	
00526-75-0	93
Benzene, 1-methoxy-4	
00104-93-8	85
Phenol, 2,5-dimethyl	
00095-87-4	66
Phenol, 2,4-dimethyl	
00105-67-9	59
Phenol, 3,5-dimethyl	
00108-68-9	52
Phenol, 3,4-dimethyl	
00095-65-8	52
Cyclopentane, 1-meth	
73913-74-3	52
Phenol, 2-ethyl- (9C	
00090-00-6	49
Phenol, 4-ethyl- (9C	
00123-07-9	25



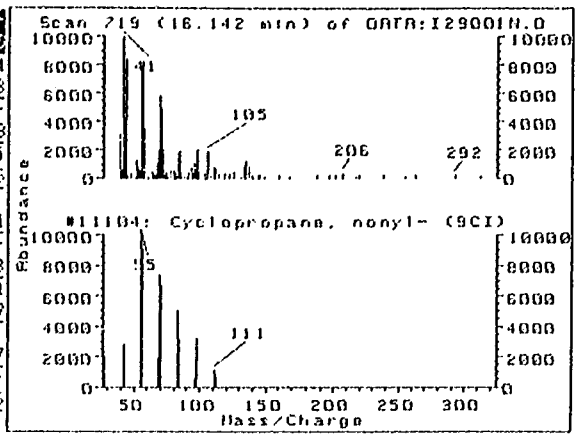
Entry# = 3255 CAS Num = 00526-75-0
Company ID Num = NBS 9/85
Mol.Height = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,3-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =
Pesticides;

5

Cyclopropane, nonyl-	
74663-85-7	60
1-Octanol, 3,7-dimet	
00106-21-8	63
1-Octanol, dimethyl-	
01333-49-9	58
Cyclopentane, 1,2-di	
02452-99-5	55
Nonanol (8CI,9CI)	
28473-21-4	51
Aziridine, 1-propyl-	
05536-98-1	43
1-Pentene, 3,4-dimet	
07385-78-6	39
Aziridine, 2-ethyl-	
02549-67-9	37
Cyclopentane, 1,1,2-	
04259-00-1	35



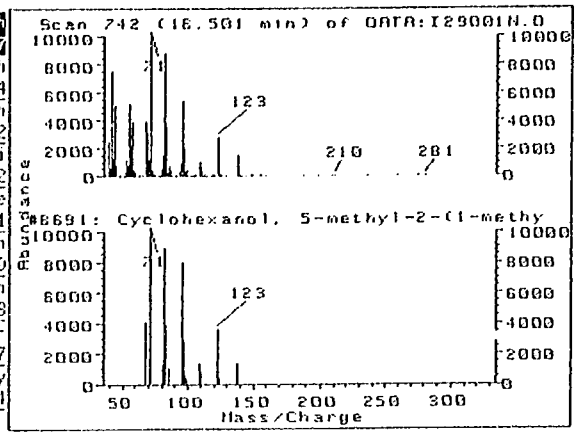
Entry# = 11104 CAS Num = 74663-85-7
Company ID Num = NBS 9/85
Mol.Weight = 168.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, nonyl- (9CI)

Mol. Formula =
C12H24

Misc. Info. =

6

Cyclohexanol, 5-meth	
15356-70-4	87
Cyclohexanol, 1-meth	
21129-27-1	64
Cyclohexanol, 5-meth	
00067-78-1	52
Cyclopentane, 1,3-di	
01192-31-2	32
Cyclohexene, 3-(2-me	
04104-56-7	31
Bicyclo[4.1.0]heptan	
00554-59-6	30
Cyclohexanol, 5-meth	
00491-02-1	28
Bicyclo[3.1.0]hexan-	
00513-20-2	27
Cyclohexane, 1-methy	
01879-07-8	24



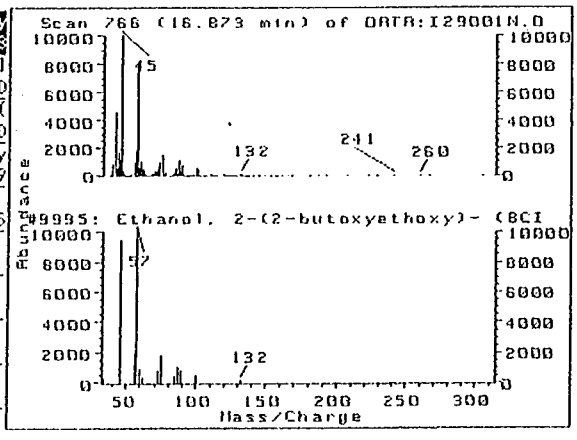
Entry# = 8691 CAS Num = 15356-70-4
Company ID Num = NBS 9/85
Mol.Weight = 156.150 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha.,2.beta.,5.alpha.)-(.+-.)- (9CI)

Mol. Formula =
C10H20O

Misc. Info. =

7

Ethanol, 2-(2-butoxy	
00112-34-5	93
2-Propanol (ACN)(9CI	
00067-63-0	30
Butane, 1-methoxy- (	
00628-28-4	30
Oxirane, 2,3-dimethy	
01758-33-4	29
2-Pentanol (8CI,9CI)	
06032-29-7	26



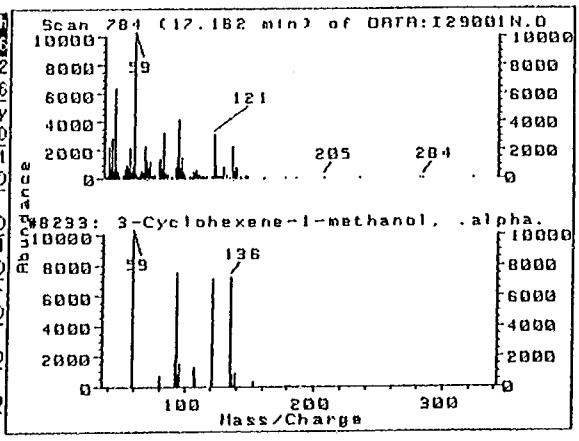
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI,9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

8

3-Cyclohexene-1-meth	
10482-56-1	36
Bicyclo[4.1.0]hept-2	
00554-61-0	26
Propanoic acid, 2-hy	
00080-55-7	20
2-Hexanol, 2,5-dimet	
03730-60-7	20
Guanidine (8CI,9CI)	
00113-00-8	20
2-Propanol, 2-methyl	
00075-65-0	20
Butane, 2-methoxy-3-	
62016-49-3	20
Acetamide (8CI,9CI)	
00060-35-5	20
Pentanamide (9CI)	
00626-97-1	20



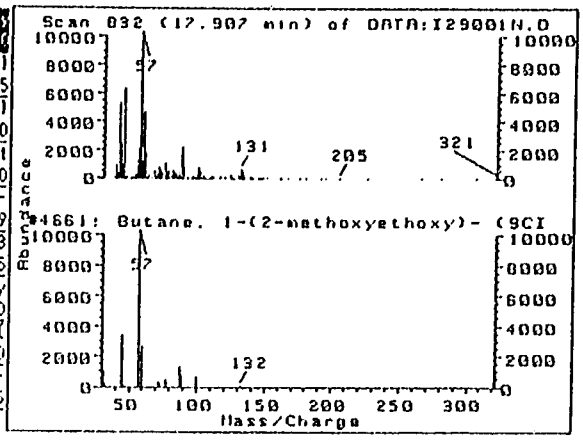
Entry# = 8233 CAS Num = 10482-56-1
Company ID Num = NBS 9/85
Mol.Weight = 154.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Cyclohexene-1-methanol, .alpha.,.alpha.,4-trimethyl-, (S)- (9CI)

Mol. Formula =
C10H18O

Misc. Info. =

9

Butane, 1-(2-methoxy	
13343-98-1	46
Propane, 2,2'-(ethyl	
04265-59-0	35
Propane, 1,1'-(ethyl	
00105-82-8	30
1-Propanol, 2-(1-met	
03944-37-4	30
Propane, 2-methyl-1-	
15268-49-2	29
Heptane, 4-methoxy-3	
20637-47-2	25
Ethanol, 2-(2-butoxy	
00112-34-5	20
Ethanol, 2-butoxy- (	
00111-76-2	20
Acetic acid, ethoxy-	
54063-13-7	15



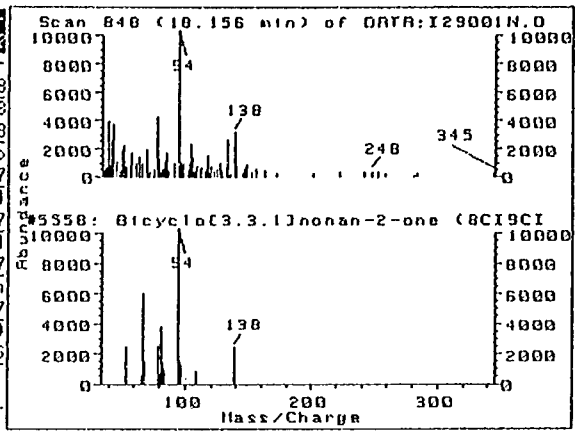
Entry# = 4661 CAS Num = 13343-98-1
Company ID Num = NBS 9/85
Mol.Height = 132.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-(2-methoxyethoxy)- (9CI)

Mol. Formula =
C7H16O2

Misc. Info. =

10

Bicyclo[3.3.1]nonan-	
02568-17-4	42
Benzene, [(1-methyl-	
22509-78-0	28
Pyrazine, methyl- (8	
00109-08-0	28
Benzene, (2-butenyl-	
14503-58-3	27
Pyrimidine, 4-methyl	
03438-46-8	27
Pyrimidine, 5-methyl	
02036-41-1	27
3-Cyclohexene-1-meth	
01679-51-2	27
4-Pyridinamine (9CI)	
00504-24-5	26



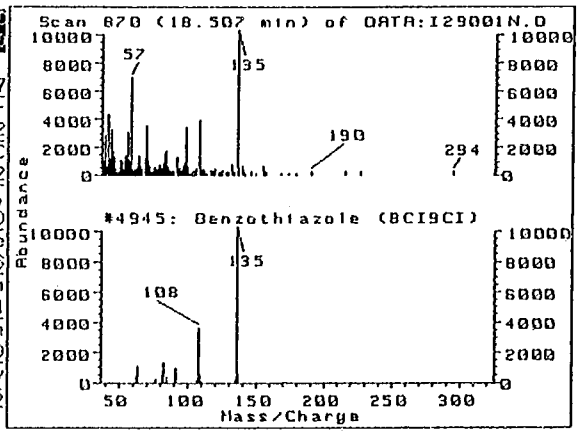
Entry# = 5558 CAS Num = 02568-17-4
Company ID Num = NBS 9/85
Mol.Height = 138.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bicyclo[3.3.1]nonan-2-one (8CI9CI)

Mol. Formula =
C9H14O

Misc. Info. =

11

Benzothiazole (8CI)9C	
00095-16-9	80
1,2-Benzisothiazole	
00272-16-2	47
1H-Indole, 5-fluoro-	
00399-52-0	42
5'-Adenylic acid (8C	
00061-19-8	42
Benzeneacetonitrile,	
00501-00-8	40
Thiocyanic acid, phe	
05285-87-0	36
Thieno[2,3-c]pyridin	
00272-12-8	31
Benzene, isothiocyan	
00103-72-0	30
1H-Pyrazolo[4,3-d]py	
13877-56-0	25



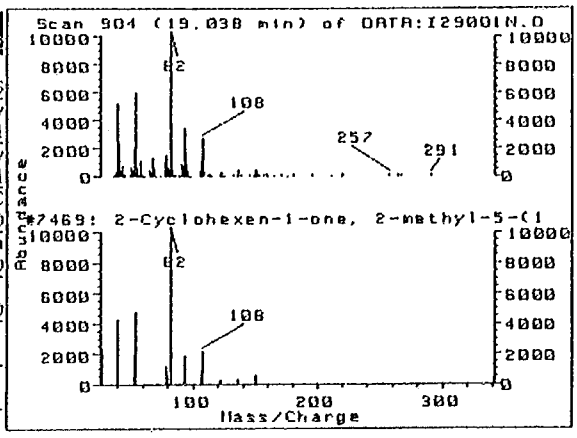
Entry# = 4945 CAS Num = 00095-16-9
Company ID Num = NBS 9/85
Mol.Height = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole (8CI9CI)

Mol. Formula =
C7H5NS

Misc. Info. =

12

2-Cyclohexen-1-one,	
06485-40-1	62
2-Cyclohexen-1-one,	
02244-16-8	46
1H-Pyrazole, 4-methy	
07554-65-6	31
1H-Pyrazole, 1-methy	
00930-36-9	31
1,4-Hexadiene (8CI)9C	
00592-45-0	30
1H-Imidazole, 4-meth	
00822-36-6	30
2-Cyclohexen-1-one,	
00099-49-0	20



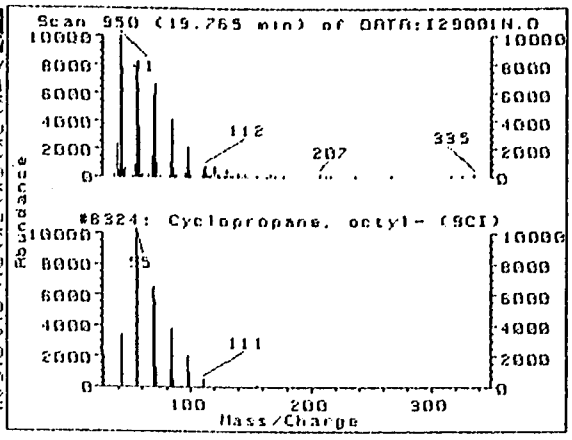
Entry# = 7469 CAS Num = 06485-40-1
Company ID Num = NBS 9/85
Mol.Height = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-, (R)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =
Misc. Natural products;

13

Cyclopropane, octyl-	
01472-09-9	79
Cyclopropane, 1-ethy	
74663-86-8	71
3-Dodecene, (Z)- (8C	
07239-23-8	70
2-Dodecene, (E)- (8C	
07206-13-5	70
3-Dodecene, (E)- (8C	
07206-14-6	70
2-Dodecene, (Z)- (8C	
07206-26-0	70
Cyclopropane, nonyl-	
74663-85-7	70
Acetic acid, trifluo	
02561-21-9	60
Cyclooctane, 1,4-dim	
13151-98-9	52



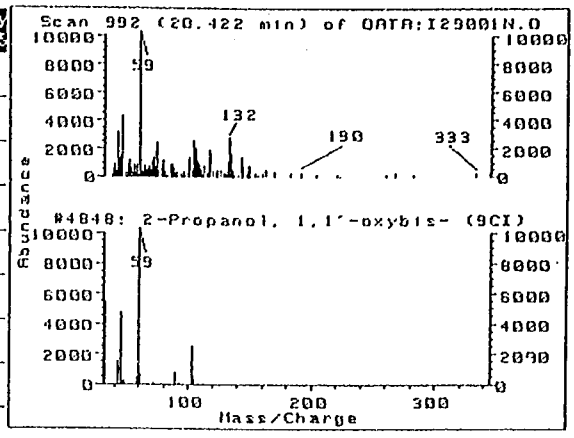
Entry# = 8324 CAS Num = 01472-09-9
Company ID Num = NBS 9/85
Mol.Weight = 154.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, octyl- (9CI)

Mol. Formula =
C11H22

Misc. Info. =

14

2-Propanol, 1,1'-oxy	
00110-98-5	25



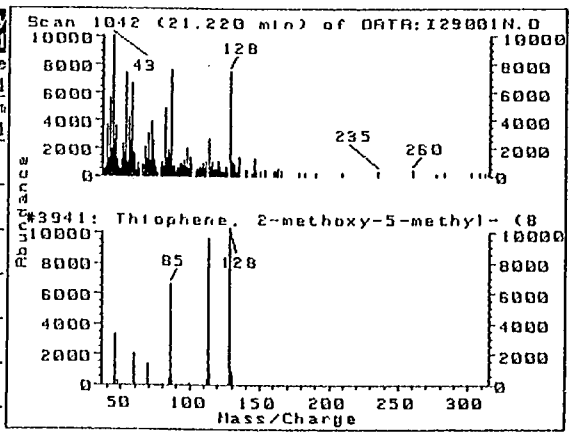
Entry# = 4848 CAS Num = 00110-98-5
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1,1'-oxybis- (9CI)

Mol. Formula =
C6H14O3

Misc. Info. =
Carbohydrates;

15

Thiophene, 2-methoxy	
31053-55-1	21
3-Hexanone, 2,4-dime	
18641-70-8	11
Furan, 2-methyl-5-(m	
13678-59-6	11



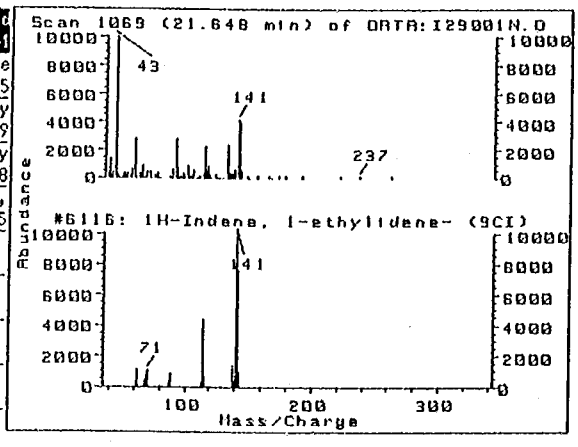
Entry# = 3941 CAS Num = 31053-55-1
Company ID Num = NBS 9/85
Mol.Weight = 128.029 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Thiophene, 2-methoxy-5-methyl- (8CI9CI)

Mol. Formula =
C6H8OS

Misc. Info. =

16

1H-Indene, 1-ethylid	
02471-83-2	51
1,4-Methanonaphthale	
04453-90-1	35
Naphthalene, 1-methy	
00090-12-0	29
Naphthalene, 2-methy	
00091-57-6	28
Benzeneacetonitrile,	
00876-31-3	25



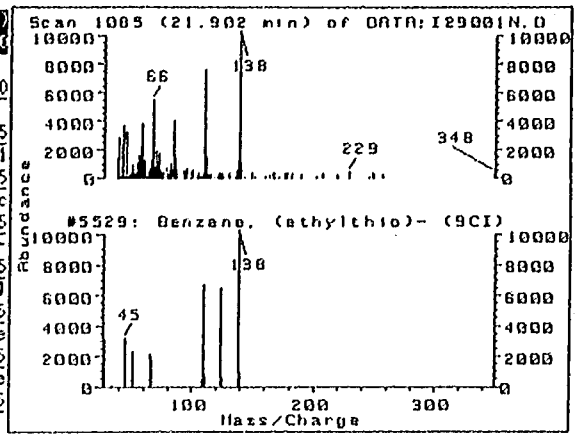
Entry# = 6116 CAS Num = 02471-83-2
Company ID Num = NBS 9/85
Mol.Weight = 142.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Indene, 1-ethylidene- (9CI)

Mol. Formula =
C11H10

Misc. Info. =

17

Benzene, (ethylthio)	
00622-38-8	80
Urocanic acid	
00104-98-3	20
Thiophene, ethenyl-	
30917-44-3	15
Pyrazine, methyl-, 1	
31396-35-7	15
3-Pyridinecarboxylic	
03167-49-5	15
Phenol, 2-methoxy-4-	
00093-51-6	15
Benzenethiol (8CI,9CI	
00108-98-5	15
Thiophene, 3-(2-bute	
53966-44-2	15
Thiophene, 2-(2-bute	
52008-15-8	15



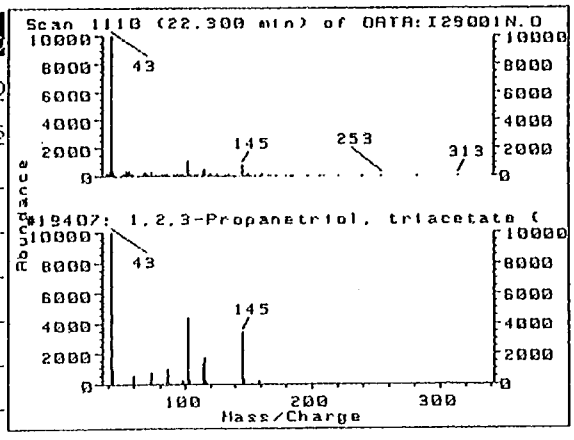
Entry# = 5529 CAS Num = 00622-38-8
Company ID Num = NBS 9/85
Mol.Weight = 138.050 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, (ethylthio)- (9CI)

Mol. Formula =
C8H10S

Misc. Info. =

18

1,2,3-Propanetriol,	
00102-76-1	40
1,2,3-Propanetriol,	
25395-31-7	20
1,2,3-Propanetriol,	
09106-61-6	15



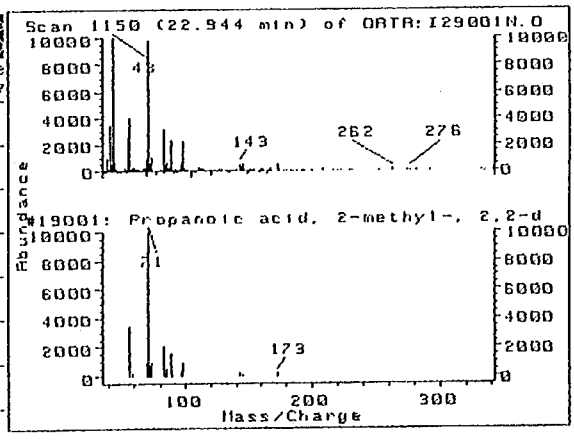
Entry# = 19407 CAS Num = 00102-76-1
Company ID Num = NBS 9/85
Mol.Weight = 218.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2,3-Propanetriol, triacetate (9CI)

Mol. Formula =
C9H14O6

Misc. Info. =
Drugs; Carbohydrates; Fatty acids and Lipids;
Pesticides;

19

Propanoic acid, 2-me	
74367-33-2	70
Propanoic acid, 2-me	
74367-34-3	37



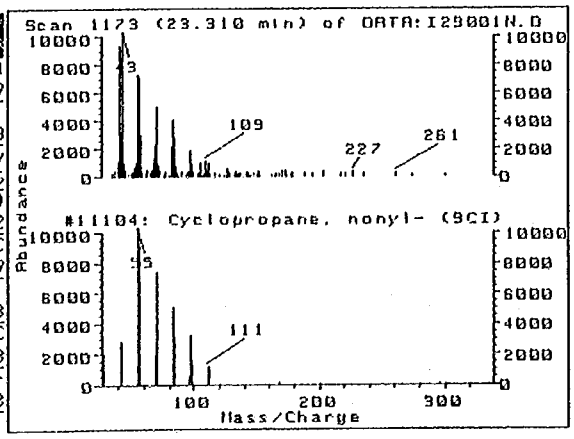
Entry# = 19001 CAS Num = 74367-33-2
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(2-hydrox
y-1-methylethyl)propyl ester (9CI)

Mol. Formula =
C12H24O3

Misc. Info. =

20

Cyclopropane, nonyl-	
74663-85-7	73
Cyclopentane, (2-met	
03788-32-7	59
1-Nonanol (9CI)	
00143-08-8	58
Cyclopropane, 1-ethy	
74663-86-8	55
1-Decanol (ACN)(9CI)	
00112-30-1	52
Cyclododecane (8CI,9C	
00294-62-2	49
1-Dodecanol (9CI)	
00112-53-8	43
2-Dodecene, (Z)- (8C	
07206-26-0	43
Cyclopropane, octyl-	
01472-09-9	43



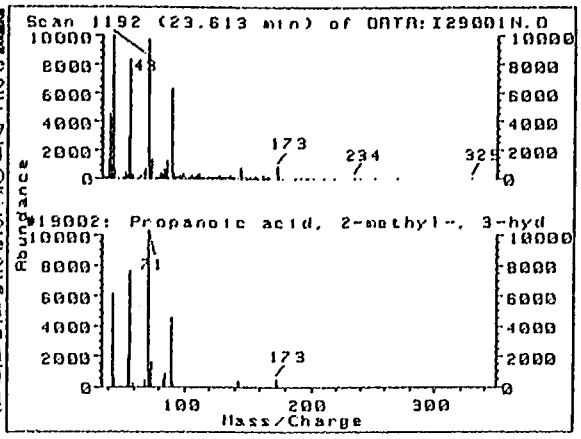
Entry# = 11104 CAS Num = 74663-85-7
Company ID Num = NBS 9/85
Mol.Weight = 168.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, nonyl- (9CI)

Mol. Formula =
C12H24

Misc. Info. =

21

Propanoic acid, 2-me	
74367-34-3	88
Propanoic acid, 2-me	
74367-31-0	42
Azetidine, 1-methyl-	
04923-79-9	37
Nonane, 2,6-dimethyl	
17302-28-2	20
Cyclopentanamine (9C	
01003-03-8	15
Oxetane, 2,3,4-trime	
32347-12-9	12
Oxirane, 2,3-bis(1-m	
54644-32-5	11
Undecane, 5-methylen	
05698-48-6	11
4,5-Octanedione (8CI	
05455-24-3	11



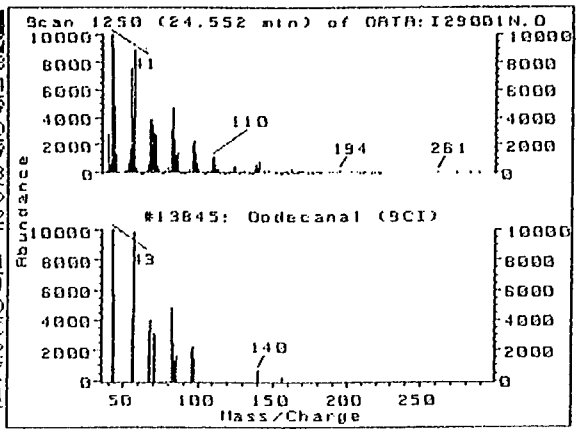
Entry# = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester (9CI)

Mol. Formula =
C12H2403

Misc. Info. =

22

Dodecanal (9CI)	
00112-54-9	89
1,12-Dodecanediol (8	
05675-51-4	64
Tetradecanal (ACN)(9	
00124-25-4	60
Cyclododecanol (8CI9	
01724-39-6	53
8-Azabicyclo[5.1.0]o	
00286-44-2	42
Tridecanal (8CI9CI)	
10486-19-8	41
1,14-Tetradecanedio	
19812-64-7	40
1,11-Dodecadiene (8C	
05876-87-9	32
1,1'-Bicyclopentyl (	
01636-39-1	31



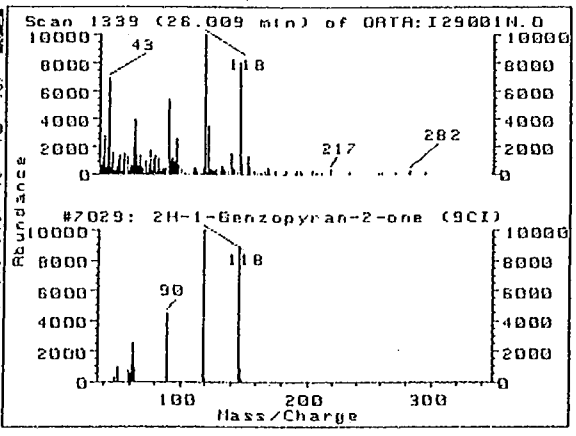
Entry# = 13845 CAS Num = 00112-54-9
Company ID Num = NBS 9/85
Mol.Weight = 184.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Dodecanal (9CI)

Mol. Formula =
C12H240

Misc. Info. =
Fatty acids and Lipids;

23

2H-1-Benzopyran-2-on	
00091-64-5	83
Benzofuran (8CI9CI)	
00271-89-6	36
1(2H)-Naphthalenone,	
00529-34-0	30
2(1H)-Quinoxalinone	
01196-57-2	25
Phthalazin-1-one	
00119-39-1	25
Butane, 1-(ethylthio	
00638-46-0	25
1,2-Benzenedicarboxy	
04316-23-8	25
Cinnoline, 2-oxide (	
04215-44-5	20
4(1H)-Quinazolinone	
00491-36-1	15



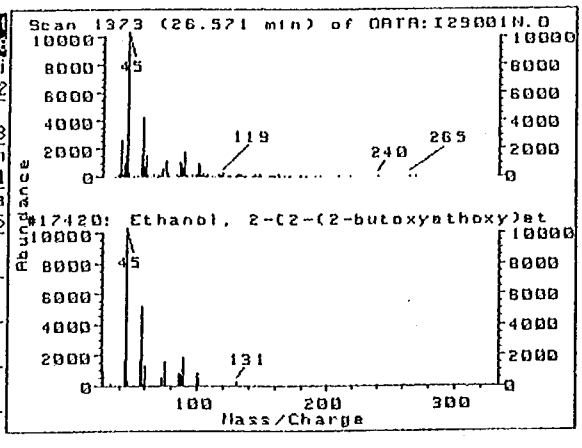
Entry# = 7029 CAS Num = 00091-64-5
Company ID Num = NBS 9/85
Mol.Weight = 146.036 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2H-1-Benzopyran-2-one (9CI)

Mol. Formula =
C9H602

Misc. Info. =
Drugs; Misc. Natural products;

24

Ethanol, 2-[2-(2-but	
00143-22-6	88
Ethanol, 2,2'-[oxybi	
00112-60-7	52
Paraldehyde	
00123-63-7	43
Ethanol, 2-[2-(ethen	
00929-37-3	41
3,6,9,12,15-Pentaoxa	
01786-94-3	25



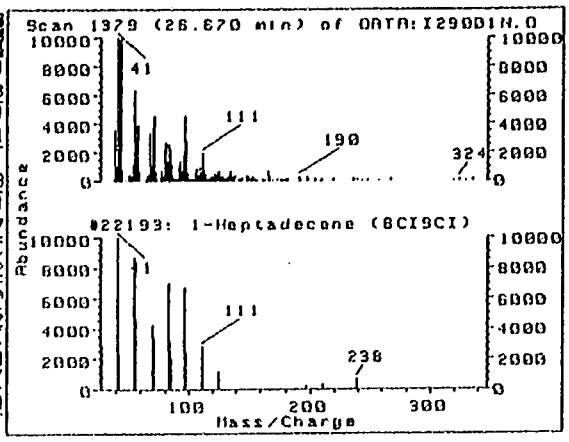
Entry# = 17420 CAS Num = 00143-22-6
Company ID Num = NBS 9/85
Mol.Weight = 206.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]- (8CI9CI)

Mol. Formula =
C10H2204

Misc. Info. =
Carbohydrates;

25

1-Heptadecene (8CI9C	
06765-39-5	50
1-Octadecene (8CI9CI	
00112-88-9	43
1-Hexadecene (8CI9CI	
00629-73-2	41
1-Eicosene (8CI9CI)	
03452-07-1	38
1-Nonadecene (8CI9CI	
18435-45-5	37
5-Eicosene, (E)- (9C	
74685-30-6	32
Ethanone, 1-(2,2-dim	
03664-75-3	25
9-Octadecene, (E)- (	
07206-25-9	24
5-Octadecene, (E)- (	
07206-21-5	24



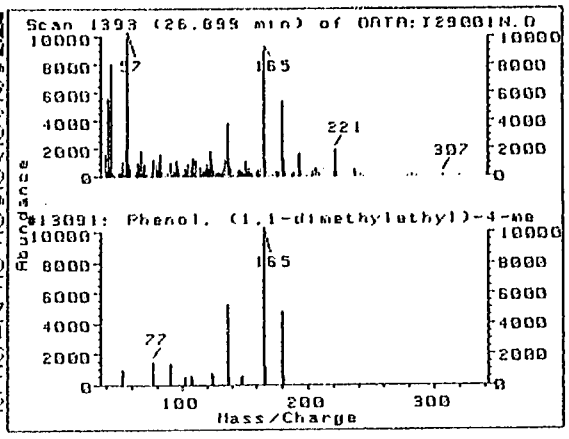
Entry# = 22193 CAS Num = 06765-39-5
Company ID Num = NBS 9/85
Mol.Weight = 238.265 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Heptadecene (8CI9CI)

Mol. Formula =
C17H34

Misc. Info. =

26

Phenol, (1,1-dimethy	
25013-16-5	69
Ethanone, 1-(2,5-dim	
01201-38-3	49
Ethanone, 1-(2-hydro	
04223-84-1	40
9H-Fluorene, 9-methy	
02523-37-7	30
Thiazolo[5,4-d]pyrim	
19835-21-3	30
3-Buten-2-one, 4-(4-	
03160-40-5	30
Silane, trimethyl(2-	
01009-02-5	27
Benzenethiol, 4-(1,1	
15570-10-2	26
Benzamide, 3-ethoxy-	
55836-69-6	25



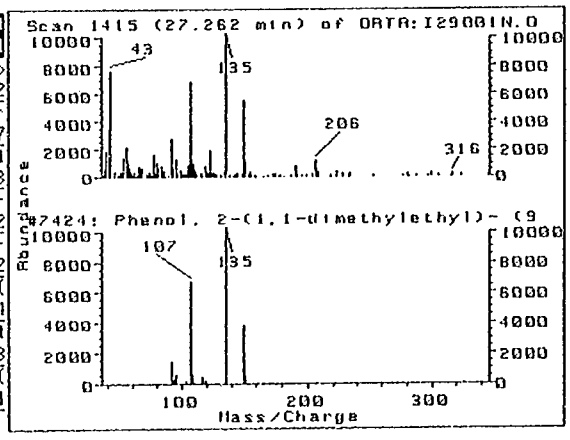
Entry# = 13091 CAS Num = 25013-16-5
Company ID Num = NBS 9/85
Mol.Weight = 180.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, (1,1-dimethylethyl)-4-methoxy- (9CI)

Mol. Formula =
C11H16O2

Misc. Info. =
Drugs; Pesticides;

27

Phenol, 2-(1,1-dimet	
00088-18-6	71
Ethanone, 1-(2-hydro	
01450-72-2	62
Phenol, 2,3,5,6-tetr	
00527-35-5	47
Phenol, 3-(1,1-dimet	
00585-34-2	43
Phenol, 2-ethyl-4,5-	
02219-78-5	42
Cyclohexanone, 2-(2-	
94166-48-2	42
Phenol, 5-methyl-2-(	
00089-83-8	34
Phenol, 4-(1,1-dimet	
00098-54-4	33
Phenol, 3-methyl-5-(	
02631-37-0	31



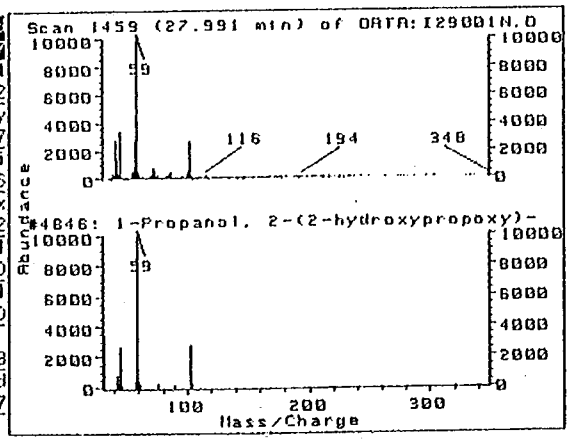
Entry# = 7424 CAS Num = 00088-18-6
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2-(1,1-dimethylethyl)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

28

1-Propanol, 2-(2-hyd	
00106-62-7	67
2-Propanol, 1-(1-met	
55956-25-7	52
2-Butanol, 1-methoxy	
53778-73-7	37
Ethanedioic acid, di	
00553-90-2	36
2-Propanol, 1-methox	
03587-64-2	32
Butanamide, 3-methyl	
00541-46-8	30
3-Heptanol, 4-methyl	
14979-39-6	30
Pentanamide (9CI)	
00626-97-1	28
Hydroperoxide, 1,1-d	
00075-91-2	27



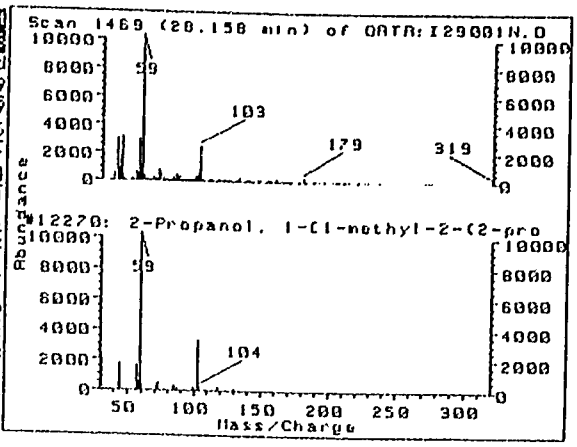
Entry# = 4846 CAS Num = 00106-62-7
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI9CI)

Mol. Formula =
C6H14O3

Misc. Info. =

29

2-Propanol, 1-(1-met	
55956-25-7	63
1-Propanol, 2-(2-hyd	
00106-62-7	59
Silane, hexyl- (8CI9	
01072-14-6	35
Butane, 2-methoxy-3-	
62016-49-3	34
3-Heptanol, 4-methyl	
14979-39-6	31
2-Propanol, 1-methox	
03587-64-2	31
Ethanedioic acid, di	
00553-90-2	30
2-Butanone, 3-hydrox	
00115-22-0	28
Pentanamide (9CI)	
00626-97-1	28



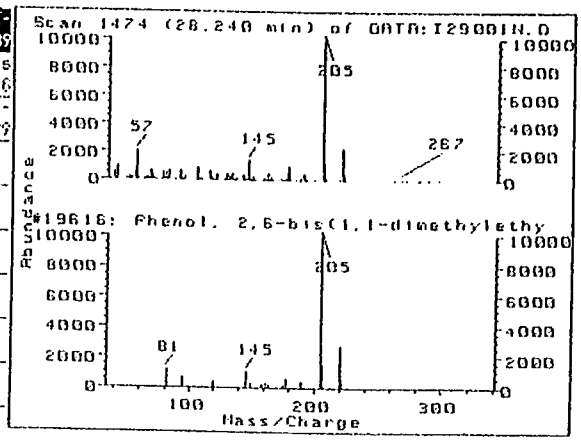
Entry# = 12270 CAS Num = 55956-25-7
Company ID Num = NBS 9/85
Mol.Weight = 174.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-(1-methyl-2-(2-propenyloxy)ethoxy)- (9CI)

Mol. Formula =
C9H18O3

Misc. Info. =
Carbohydrates;

30

Phenol, 2,6-bis(1,1-	
00128-37-0	89
1,3-Dioxa-2,4,6-tris	
17945-19-6	36
Phenol, 2,6-bis(1,1-	
01918-11-2	29



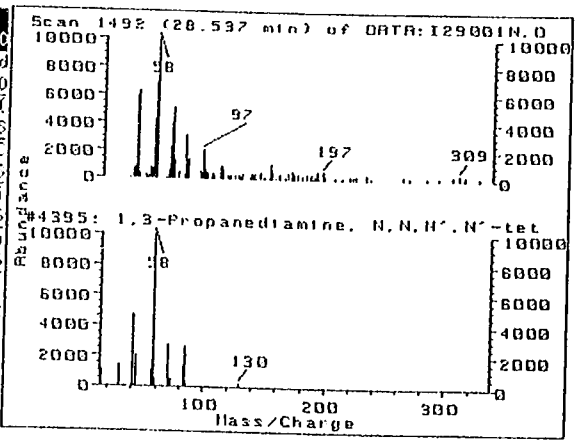
Entry# = 19616 CAS Num = 00128-37-0
Company ID Num = NBS 9/85
Mol.Weight = 220.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (9CI)

Mol. Formula =
C15H24O

Misc. Info. =
Drugs; Pesticides;

31

1,3-Propanediamine,	
00110-95-2	60
2-Undecanone, 6,10-d	
01604-34-8	30
Hexanal, 2-methyl- (	
00925-54-2	26
Ethene, methoxy- (9C	
00107-25-5	26
Butanenitrile, 4-(di	
13989-82-7	25
1H-Imidazole-4-ethan	
45967-45-1	25
Oxirane, 2,3-diethyl	
04468-66-0	25
3-Cyclohexen-1-ol, 1	
33061-16-4	25
Chlorprothixene (USA	
00113-59-7	25



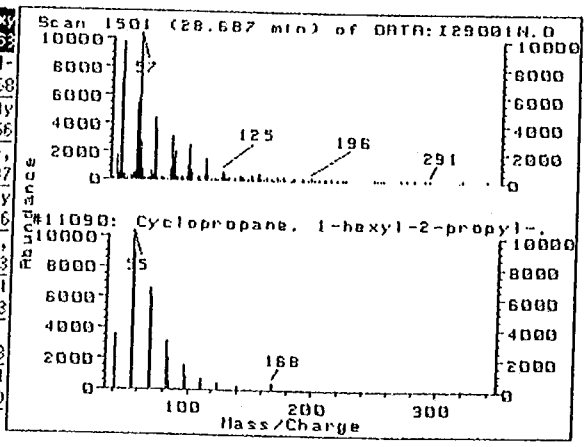
Entry# = 4395 CAS Num = 00110-95-2
Company ID Num = NBS 9/85
Mol.Weight = 130.146 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,3-Propanediamine, N,N,N',N'-tetramethyl- (8CI9CI)

Mol. Formula =
C7H18N2

Misc. Info. =

32

Cyclopropane, 1-hexy	
74630-58-3	63
Cyclopropane, octyl-	
01472-09-9	58
Cyclopropane, 1-buty	
41977-35-9	56
2-Decene, 6-methyl-,	
74630-31-2	47
Cyclopropane, 1-buty	
74663-87-9	46
2-Decene, 7-methyl-,	
74630-23-2	43
Cyclopropane, 1-pent	
41977-33-7	43
1-Nonene (8CI9CI)	
00124-11-8	43
Cyclopropane, 1-hept	
74663-91-5	40



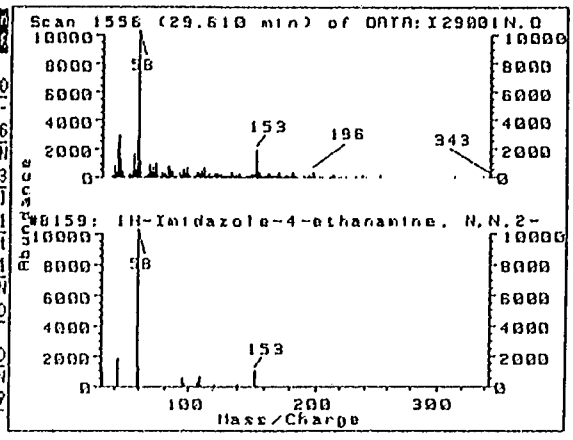
Entry# = 11090 CAS Num = 74630-58-3
Company ID Num = NBS 9/85
Mol.Weight = 168.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, 1-hexyl-2-propyl-, cis- (9CI)

Mol. Formula =
C12H24

Misc. Info. =

33

1H-Imidazole-4-ethan	
45967-45-1	48
3-Pentanamine (9CI)	
00616-24-0	40
Undecanal, 2-methyl-	
00110-41-8	36
Benzeneethanamine, N	
54833-35-1	33
Phenol, 4-[2-(methyl	
00370-14-9	31
1-Propanol, 3-(dimet	
04339-94-0	31
1,2-Ethanediamine, N	
00111-37-5	30
1-Hexadecanaminium,	
00057-09-0	30
1,2-Ethanediamine, N	
00111-74-0	29



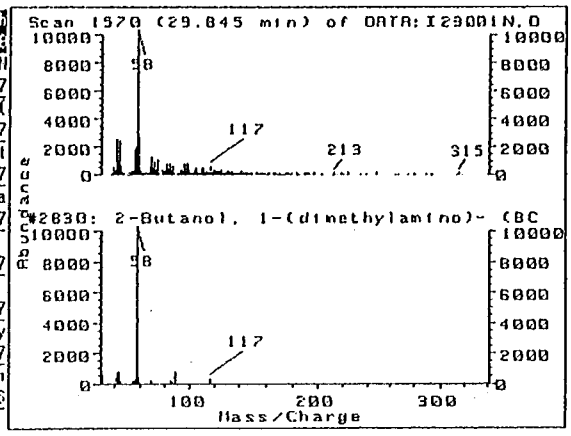
Entry# = 8159 CAS Num = 45967-45-1
Company ID Num = NBS 9/85
Mol.Weight = 153.126 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Imidazole-4-ethanamine, N,N,2-trimethyl- (9CI)

Mol. Formula =
C8H15N3

Misc. Info. =

34

2-Butanol, 1-(dimeth	
03760-96-1	38
1,2-Ethanediamine, N	
00111-37-5	37
1,2-Propanediol, 3-(	
00623-57-4	37
2-Propanamine, N-met	
04747-21-1	37
.alpha.-Aminoisobuta	
00062-57-7	37
1-Hexadecanaminium,	
00057-09-0	37
Propanal (9CI)	
00123-38-6	37
1-Hexanamine, 2-ethy	
26056-87-3	37
Formamide, N-(1-meth	
53798-89-3	36



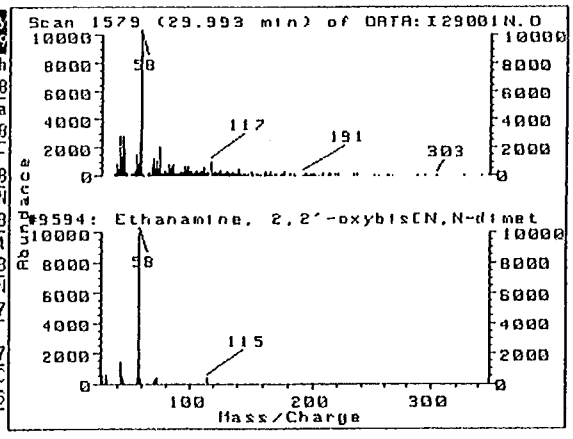
Entry# = 2830 CAS Num = 03760-96-1
Company ID Num = NBS 9/85
Mol.Weight = 117.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanol, 1-(dimethylamino)- (8CI9CI)

Mol. Formula =
C6H15NO

Misc. Info. =

35

Ethanamine, 2,2'-oxy	
03033-62-3	29
2-Butanol, 1-(dimeth	
03760-96-1	28
.alpha.-Aminoisobuta	
00062-57-7	28
Undecanal, 2-methyl-	
00110-41-8	28
1,2-Ethanediamine, N	
00111-37-5	28
2-Propanamine, N-met	
04747-21-1	28
Benzeneethanamine, N	
54833-35-1	27
3-Octanamine (9CI)	
24552-04-3	27
Silacyclopentane (8C	
00288-06-2	26



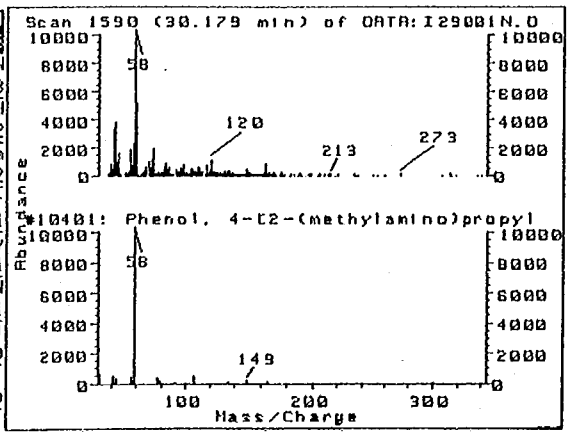
Entry# = 9594 CAS Num = 03033-62-3
Company ID Num = NBS 9/85
Mol.Weight = 160.157 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanamine, 2,2'-oxybis[N,N-dimethyl- (9CI)

Mol. Formula =
C8H20N2O

Misc. Info. =

36

Phenol, 4-[2-(methyl	
00370-14-9	33
1,2-Ethanediamine, N	
00111-74-0	33
Benzeneethanamine, d	
29088-49-1	32
Cyclopentanemethylam	
17943-85-0	32
Undecanal, 2-methyl-	
00110-41-8	31
1-Propene, 3-propoxy	
01471-03-0	31
Benzeneethanamine, N	
01126-71-2	31
2-Hexanone, 5-methyl	
00110-12-3	30
3-Pentanamine (9CI)	
00616-24-0	30



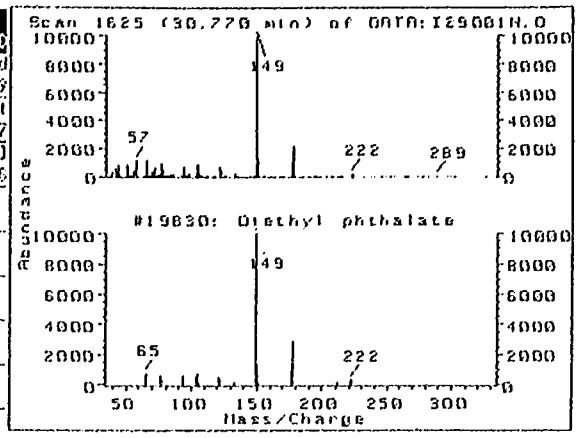
Entry# = 10401 CAS Num = 00370-14-9
Company ID Num = NBS 9/85
Mol.Weight = 165.115 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 4-[2-(methylamino)propyl]- (9CI)

Mol. Formula =
C10H15NO

Misc. Info. =
Drugs;

37

Diethyl phthalate	
00084-66-2	70
Carbamodithioic acid	
10096-68-1	29
Benzothiazole, 2-met	
00120-75-2	27
1H-s-Triazolo[1,5-a]	
13980-64-8	26



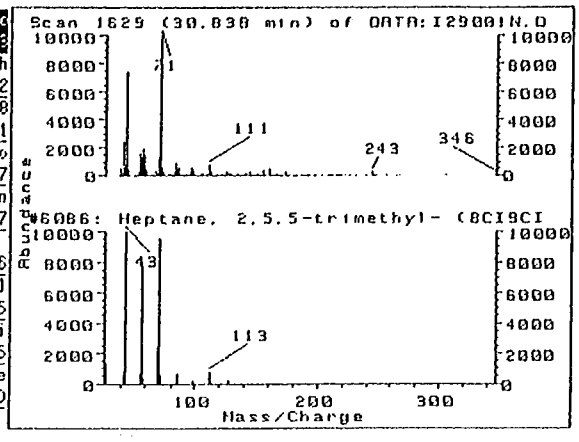
Entry# = 19830 CAS Num = 00084-66-2
Company ID Num = NBS 9/85
Mol.Weight = 222.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Diethyl phthalate

Mol. Formula =
C12H1404

Misc. Info. =
Pesticides; Priority Pollutants;

38

Heptane, 2,5,5-trime	
01189-99-7	43
Furan, 2-butyltetrah	
01604-29-1	42
Pentane, 3-bromo- (8	
01809-10-5	41
Butanoic acid, 2-pro	
02051-78-7	37
Carbonic acid, dipen	
02050-94-4	37
Ethane, isocyanato-	
00109-90-0	36
4,5-Octanedione (8CI	
05455-24-3	35
Cyclohexanol, 3,5-di	
05441-52-1	35
Propanoic acid, 2-me	
74381-40-1	20



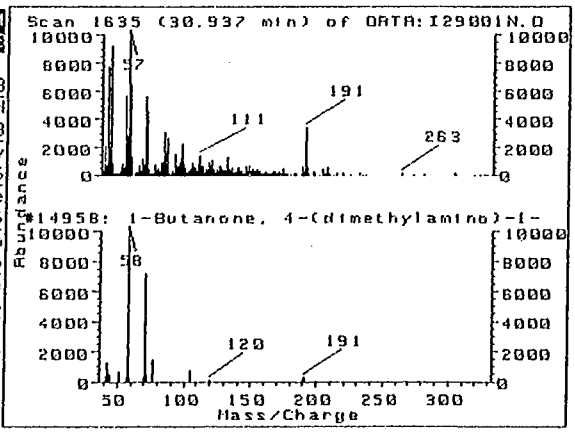
Entry# = 6086 CAS Num = 01189-99-7
Company ID Num = NBS 9/85
Mol.Weight = 142.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Heptane, 2,5,5-trimethyl- (8CI9CI)

Mol. Formula =
C10H22

Misc. Info. =

39

1-Butanone, 4-(dimet	
03760-63-2	18
9-Decen-2-one (9CI)	
35194-30-0	18
Propanenitrile, 3-(d	
01738-25-6	18
2-Heptanone, 6-methy	
00928-68-7	15
Acetic acid, 2-(dime	
01421-89-2	15
Cyclopentanemethylam	
17943-85-0	15
Heptane, 1-(2-propen	
16519-24-7	15
N,N-Dimethyltryptami	
00061-50-7	15
8-Nonen-2-one (8CI9C	
05009-32-5	15



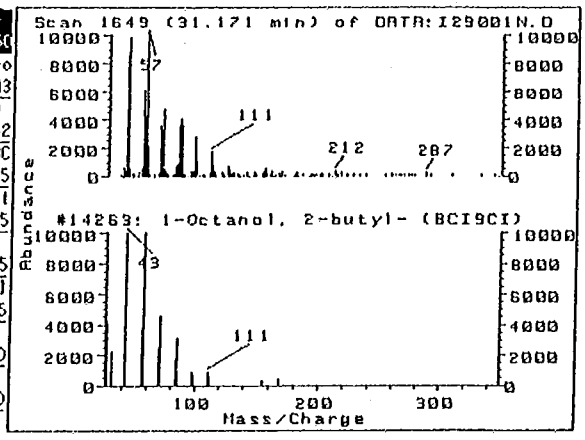
Entry# = 14958 CAS Num = 03760-63-2
Company ID Num = NBS 9/85
Mol.Weight = 191.130 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Butanone, 4-(dimethylamino)-1-phenyl- (9CI)

Mol. Formula =
C12H17NO

Misc. Info. =

40

1-Octanol, 2-butyl-	
03913-02-8	50
2H-Pyran, tetrahydro	
00142-68-7	43
Piperazine (8CI9CI)	
00110-85-0	42
Hexane, 3-ethyl- (8C	
00619-99-8	35
Hexane, 2,3,5-trimet	
01069-53-0	35
Undecane, 5-methyl-	
01632-70-8	35
Nonane, 4,5-dimethyl	
17302-23-7	35
Piperidine (8CI9CI)	
00110-89-4	30
Ether, heptyl hexyl	
07289-40-9	30



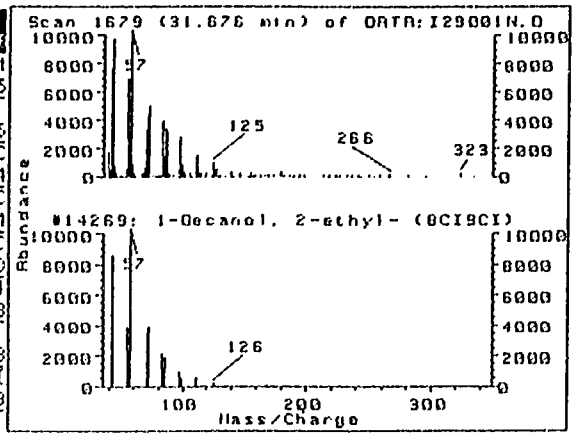
Entry# = 14263 CAS Num = 03913-02-8
Company ID Num = NBS 9/85
Mol.Weight = 186.197 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Octanol, 2-butyl- (8CI9CI)

Mol. Formula =
C12H26O

Misc. Info. =

41

1-Decanol, 2-ethyl-	
21078-65-9	28
Methylamine, N-(1-et	
18041-73-1	25
1,3-Propanediamine,	
10061-68-4	25
5-Eicosene, (E)- (9C	
74685-30-6	24
9-Eicosene, (E)- (9C	
74685-29-3	24
1-Hexacosanol (8C19C	
00506-52-5	20
1-Pentanol, 2-methyl	
00105-30-6	18
11-Tricosene (9CI)	
52078-56-5	18
5-Octadecene, (E)- (	
07206-21-5	18



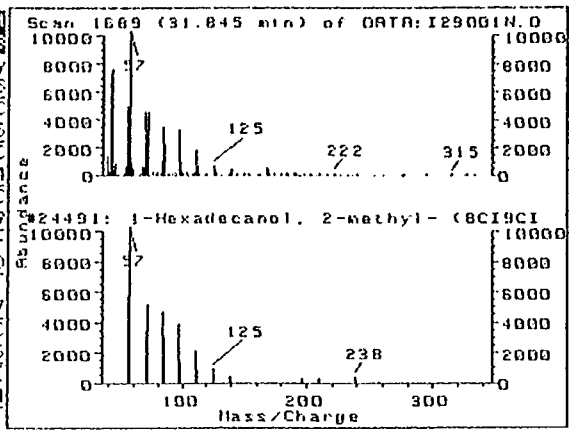
Entry# = 14269 CAS Num = 21078-65-9
Company ID Num = NBS 9/85
Mol.Weight = 186.197 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Decanol, 2-ethyl- (8CI9CI)

Mol. Formula =
C12H26O

Misc. Info. =

42

1-Hexadecanol, 2-met	
02490-48-4	88
1-Dodecanol, 2-methy	
57289-26-6	76
2-Dodecene, (Z)- (8C	
07206-26-0	65
3-Dodecene, (Z)- (8C	
07239-23-8	64
3-Dodecene, (E)- (8C	
07206-14-6	59
Cyclopropane, octyl-	
01472-09-9	50
1-Dodecene (8CI9CI)	
00112-41-4	47
2-Dodecene, (E)- (8C	
07206-13-5	45
Hexadecane, 1,1-bis(	
56554-64-4	44



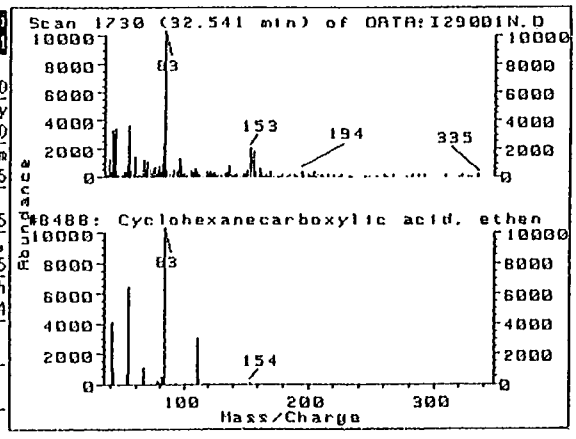
Entry# = 24491 CAS Num = 02490-48-4
Company ID Num = NBS 9/85
Mol.Weight = 256.275 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Hexadecanol, 2-methyl- (8CI9CI)

Mol. Formula =
C17H36O

Misc. Info. =

43

Cyclohexanecarboxyli	
04840-76-0	31
Cyclohexane, bromo-	
00108-85-0	30
Cyclopentane, 1-ethy	
16747-50-5	30
2-Hexene, 4,4,5-trim	
55702-61-9	25
Cyclohexane, azido-	
19573-22-9	25
2-Propyn-1-amine, N,	
07223-38-3	25
2-Decene, 2,4-dimeth	
74421-03-7	24



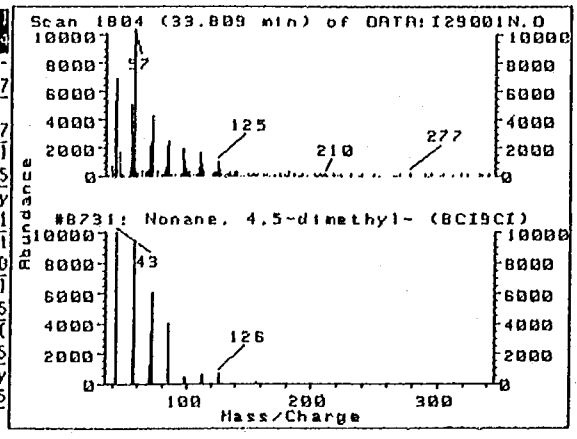
Entry# = 8488 CAS Num = 04840-76-0
Company ID Num = NBS 9/85
Mol.Weight = 154.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanecarboxylic acid, ethenyl ester (9CI)

Mol. Formula =
C9H14O2

Misc. Info. =

44

Nonane, 4,5-dimethyl	
17302-23-7	44
Decane, 1,1'-oxybis-	
02456-28-2	37
11-Tricosene (9CI)	
52078-56-5	37
1-Nonadecene (8CI9CI	
18435-45-5	35
1-Dodecanol, 2-methy	
57289-26-6	31
3-Octen-2-one, 7-met	
33046-81-0	30
1-Hexadecene (8CI9CI	
00629-73-2	25
1,2-Octadecanediol (	
20294-76-2	25
Cyclopentane, 3-hexy	
61142-65-2	25



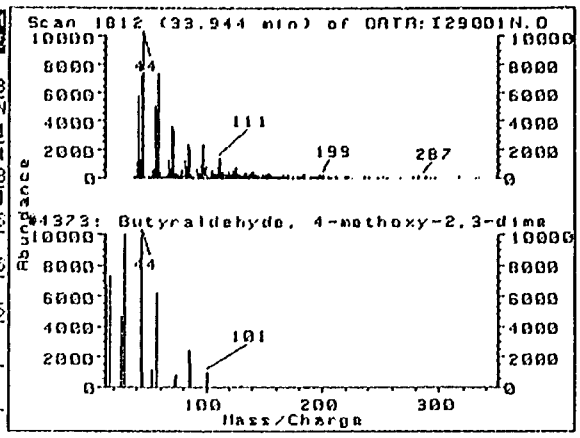
Entry# = 8731 CAS Num = 17302-23-7
Company ID Num = NBS 9/85
Mol.Weight = 156.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Nonane, 4,5-dimethyl- (8CI9CI)

Mol. Formula =
C11H24

Misc. Info. =

45

Butyraldehyde, 4-met	
17587-34-7	38
2-Propanamine (9CI)	
00075-31-0	33
Benzeneethanamine, N	
00589-08-2	31
2-Heptanamine, 5-met	
53907-81-6	28
Cyclobutanol (8CI9CI	
02919-23-5	26
Epinephrine	
00051-43-4	26
Glycidol	
00556-52-5	25



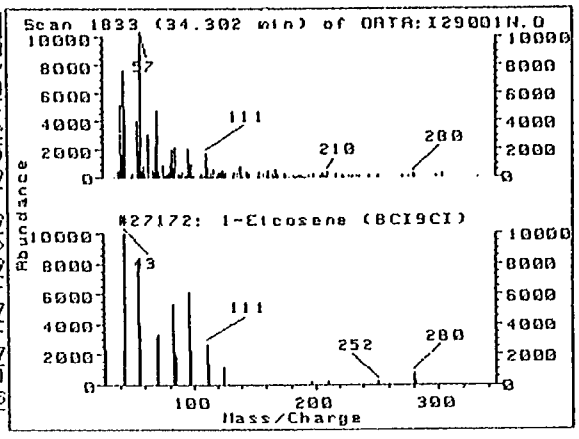
Entry# = 4373 CAS Num = 17587-34-7
Company ID Num = NBS 9/85
Mol.Weight = 130.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butyraldehyde, 4-methoxy-2,3-dimethyl- (8CI)

Mol. Formula =
C7H14O2

Misc. Info. =

46

1-Eicosene (8CI9CI)	
03452-07-1	49
Ethanol, 2-(octadecy	
02136-72-3	44
1-Dodecanol, ethoxy-	
29718-44-3	32
Heptacosane (8CI9CI)	
00593-49-7	29
Hexacosane (8CI9CI)	
00630-01-3	29
Ethanol, 2-(dodecylo	
04536-30-5	29
Decane 4-cyclohexyl-	
13151-75-2	27
Decane 5-cyclohexyl-	
13151-76-3	27
Tritetracontane (8CI	
07098-21-7	26



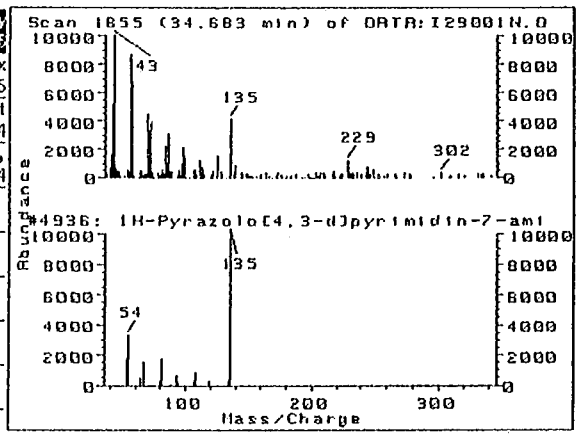
Entry# = 27172 CAS Num = 03452-07-1
Company ID Num = NBS 9/85
Mol.Weight = 280.312 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Eicosene (8CI9CI)

Mol. Formula =
C20H40

Misc. Info. =

47

1H-Pyrazolo[4,3-d]py	
13877-56-0	26
Glycine, N-(2-methox	
27796-49-2	25
Phenol, 4-(2,2,3,3-t	
54932-78-4	24
Pyridine, 4-ethyl-2,	
36917-36-9	24



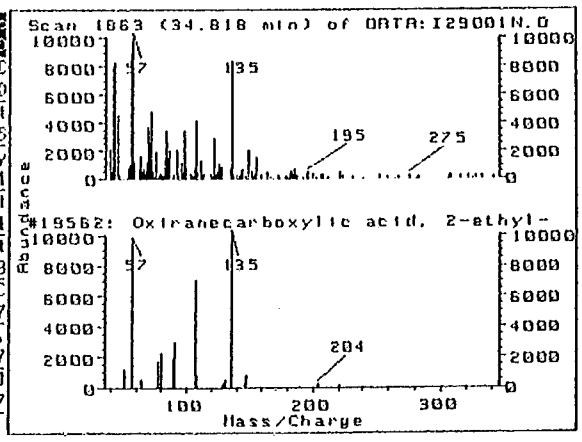
Entry# = 4936 CAS Num = 13877-56-0
Company ID Num = NBS 9/85
Mol.Weight = 135.054 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Pyrazolo[4,3-d]pyrimidin-7-amine (9CI)

Mol. Formula =
C5H5N5

Misc. Info. =
Alkaloids;

48

Oxiranecarboxylic ac	
54852-65-2	60
Phenol, 4-nonyl- (9C	
00104-40-5	50
Phenol, 3-(1,1-dimet	
00585-34-2	36
Silane, (chloromethy	
01833-51-8	31
Phenol, 4-(1,1,3,3-t	
00140-66-9	31
Phenol, 4-(2,2,3,3-t	
54932-78-4	28
Benzothiazole (8CI9C	
00095-16-9	27
Pyridine, 4-ethyl-2,	
36917-36-9	27
Tricyclo[4.3.1.13,8]	
27011-47-8	27



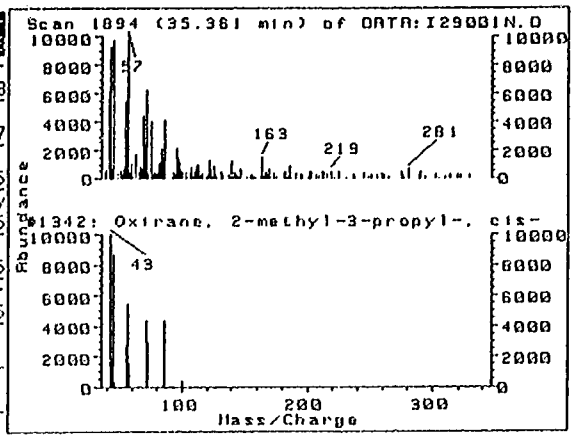
Entry# = 19562 CAS Num = 54852-65-2
Company ID Num = NBS 9/85
Mol.Weight = 220.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Oxiranecarboxylic acid, 2-ethyl-3-phenyl-, ethyl es
ter (9CI)

Mol. Formula =
C13H16O3

Misc. Info. =

49

Oxirane, 2-methyl-3-	
06124-90-9	28
2-Heptene, 1-ethoxy-	
51149-74-7	28
Methane, dimethoxy-	
00109-87-5	27
4-Hepten-2-ol, (E)-	
58927-81-4	15
Oxetane, 2,4-dimethy	
29424-94-0	15
Pentane, 1-methoxy-	
00628-80-8	15
Butane, 1-methoxy-2-	
62016-48-2	15



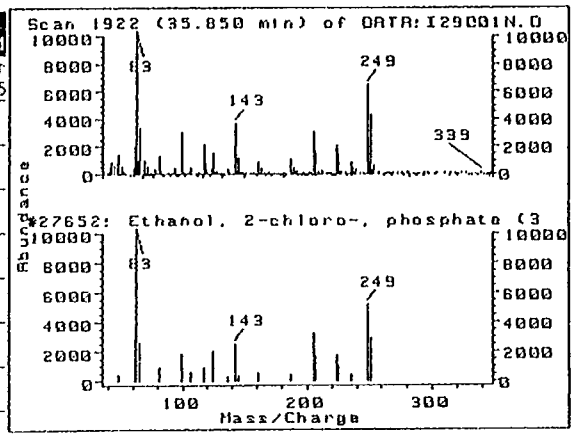
Entry# = 1342 CAS Num = 06124-90-9
Company ID Num = NBS 9/85
Mol.Weight = 100.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Oxirane, 2-methyl-3-propyl-, cis- (9CI)

Mol. Formula =
C6H12O

Misc. Info. =

50

Ethanol, 2-chloro-,	
00115-96-8	51
Benzene, 1-((2-chlor	
06461-63-8	15



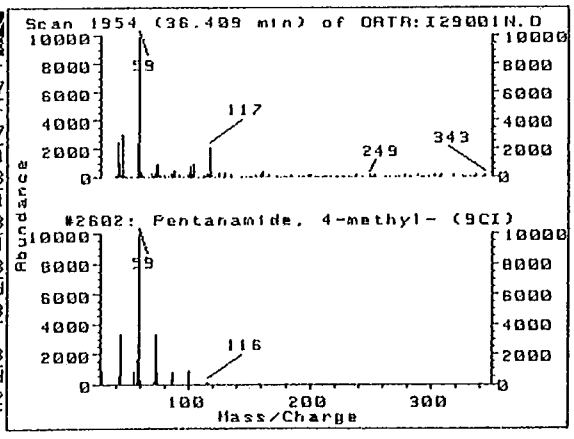
Entry# = 27652 CAS Num = 00115-96-8
Company ID Num = NBS 9/85
Mol.Weight = 283.953 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-chloro-, phosphate (3:1) (8CI9CI)

Mol. Formula =
C6H12Cl3O4P

Misc. Info. =

51

Pentanamide, 4-methy	
01119-29-5	48
Butane, 2-methoxy-3-	
62016-49-3	47
Formamide, N-methyl-	
00123-39-7	47
1-Propanol, 2-(2-met	
13588-28-8	43
2-Propanol, 1-(2-met	
13429-07-7	43
Butanamide, 3-methyl	
00541-46-8	43
Butanoic acid, 2-hyd	
29674-47-3	43
Pentane, 2-methoxy-	
06795-88-6	43
1-Propanol, 2-(2-hyd	
00106-62-7	42



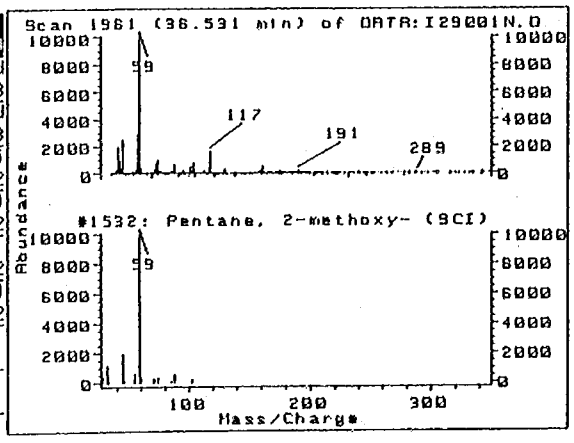
Entry# = 2602 CAS Num = 01119-29-5
Company ID Num = NBS 9/85
Mol.Weight = 115.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Pentanamide, 4-methyl- (9CI)

Mol. Formula =
C6H13NO

Misc. Info. =

52

Pentane, 2-methoxy-	
06795-88-6	44
1-Propanol, 2-(2-hyd	
00106-62-7	43
Butanoic acid, 2-hyd	
29674-47-3	43
Ethanedioic acid, di	
00553-90-2	42
Butanamide, 3-methyl	
00541-46-8	42
Pentanamide (9CI)	
00626-97-1	42
3-Heptanol, 4-methyl	
14979-39-6	42



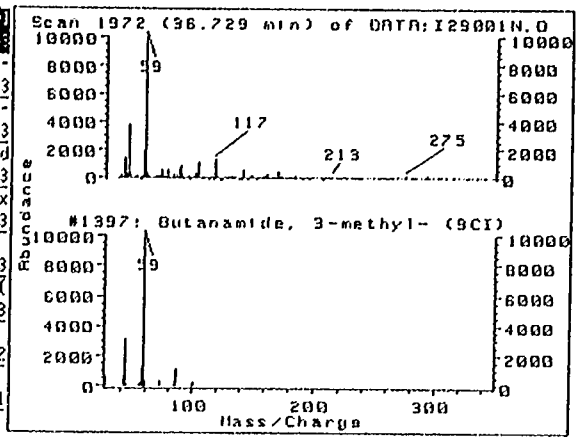
Entry# = 1532 CAS Num = 06795-88-6
Company ID Num = NBS 9/85
Mol.Weight = 102.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Pentane, 2-methoxy- (9CI)

Mol. Formula =
C6H14O

Misc. Info. =

53

Butanamide, 3-methyl	
00541-46-8	43
Formamide, N-formyl-	
18197-25-6	43
Butane, 2-methoxy-3-	
62016-49-3	43
Butanoic acid, 2-hyd	
29674-47-3	43
2-Propanol, 1-methox	
03587-64-2	43
3-Hexanol (8CI9CI)	
00623-37-0	43
Ethanol, 2-ethoxy- (	
00110-80-5	43
Pentanamide (9CI)	
00626-97-1	42
Butanamide (9CI)	
00541-35-5	41



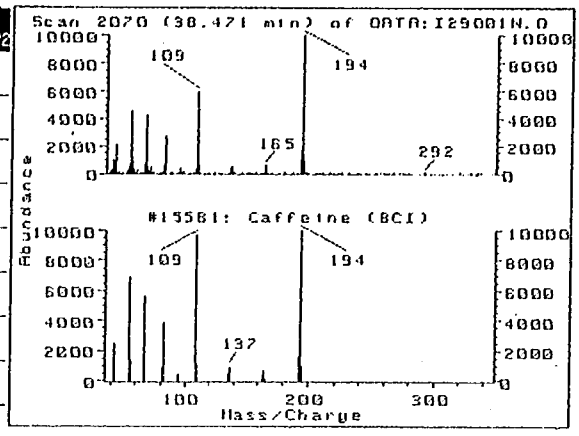
Entry# = 1397 CAS Num = 00541-46-8
Company ID Num = NBS 9/85
Mol.Weight = 101.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butanamide, 3-methyl- (9CI)

Mol. Formula =
C5H11NO

Misc. Info. =

54

Caffeine (8CI)	
00058-08-2	92



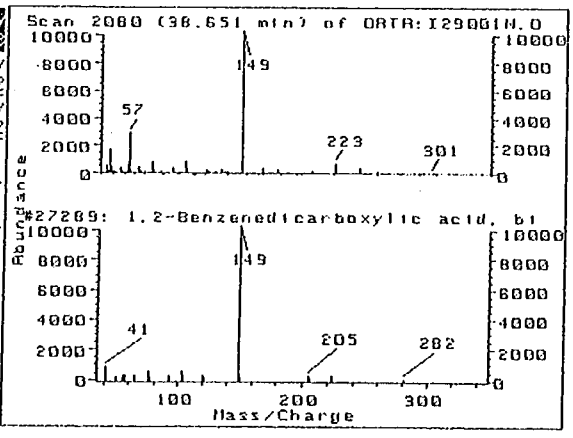
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

55

1,2-Benzenedicarboxy	
00117-82-8	63
1,2-Benzenedicarboxy	
17851-53-5	52
1,2-Benzenedicarboxy	
00084-64-0	52



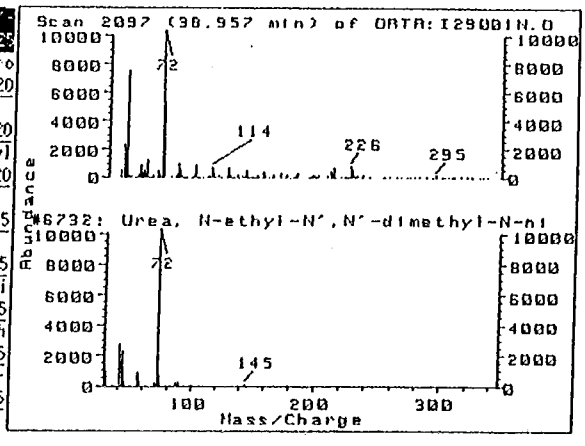
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) e
ster (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

56

Urea, N-ethyl-N',N'-	
50285-71-7	25
Urea, trimethylnitro	
03475-63-6	20
Propanamide (9CI)	
00079-05-0	20
Acetaldehyde, methyl	
17167-73-6	20
2-Propanamine (9CI)	
00075-31-0	15
Ether, 1-butylvinyl	
16519-66-7	15
2-Butanamine, 3,3-di	
03850-30-4	15
2-Butanamine, 3-meth	
00598-74-3	15
1-Octene, 2-methoxy-	
42367-31-7	15



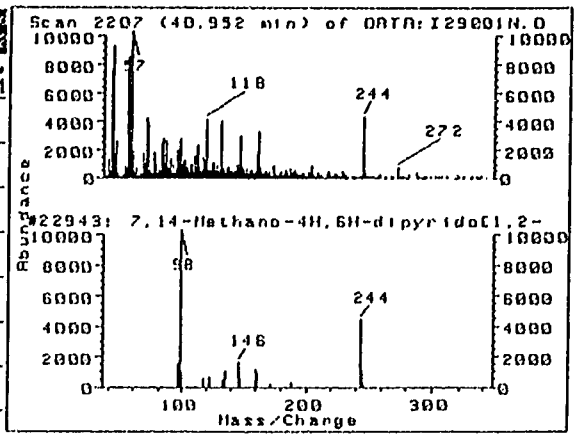
Entry# = 6732 CAS Num = 50285-71-7
Company ID Num = NBS 9/85
Mol.Weight = 145.084 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Urea, N-ethyl-N',N'-dimethyl-N-nitroso- (9CI)

Mol. Formula =
C5H11N3O2

Misc. Info. =

57

7,14-Methano-4H,6H-d
00486-90-8 12
1(2H)-Naphthalenone,
00529-34-0 11



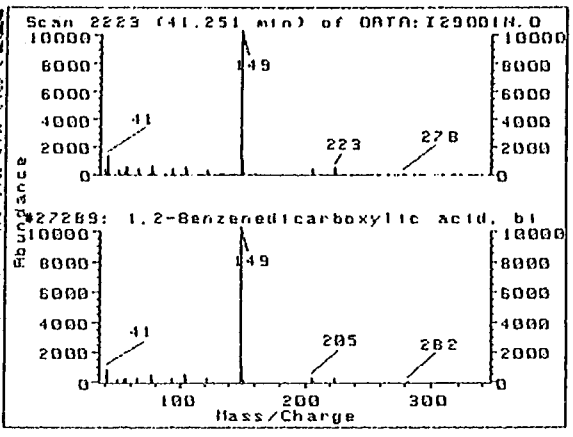
Entry# = 22943 CAS Num = 00486-90-8
Company ID Num = NBS 9/85
Mol.Weight = 244.157 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
7,14-Methano-4H,6H-dipyrido[1,2-a:1',2'-e][1,5]diazocin-4-one, 7,7a,8,9,10,11,13,14-octahydro-, [7R-(7.alpha.,7a.alpha.,14.alpha.)]- (9CI)

Mol. Formula =
C15H20N2O

Misc. Info. =
Alkaloids;

58

1,2-Benzenedicarboxy
00117-82-8 89
1,2-Benzenedicarboxy
17851-53-5 88
1,2-Benzenedicarboxy
00084-64-0 83
1,2-Benzenedicarboxy
00085-69-8 78
1,2-Benzenedicarboxy
00131-16-8 52



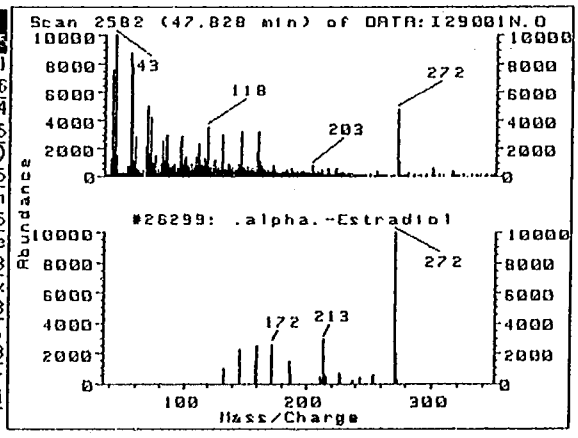
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

59

.alpha.-Estradiol
00057-91-0 35
Naphthalene, 2-butyl
55320-12-2 26
Naphthalene, 1,2,3,4
56818-06-5 25
Kaur-15-ene (8CI,9CI)
05947-50-2 25
Estr-4-ene-3,17-dion
00734-32-7 15
9,10-Anthracenedione
00081-61-8 13
1-Phenanthrenecarbox
16826-83-8 13
9H-Xanthen-9-one, 1,
22938-77-8 13
Piperidine, 1-[(4,5-
32589-64-3 11



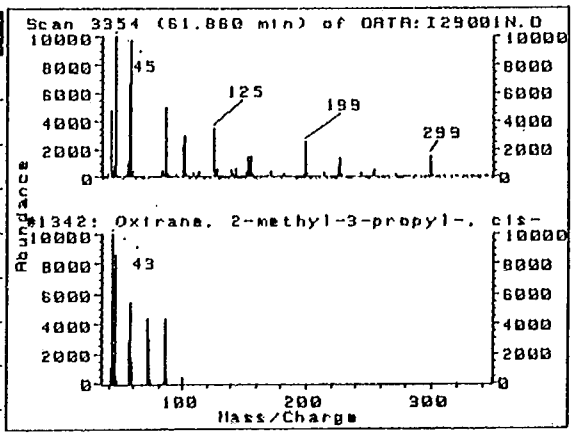
Entry# = 26299 CAS Num = 00057-91-0
Company ID Num = NBS 9/85
Mol.Weight = 272.177 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
.alpha.-Estradiol

Mol. Formula =
C18H24O2

Misc. Info. =
Steroids;

60

Oxirane, 2-methyl-3-
06124-90-9 25



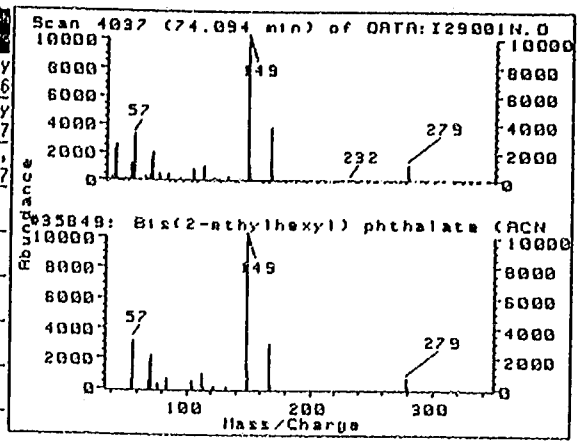
Entry# = 1342 CAS Num = 06124-90-9
Company ID Num = NBS 9/85
Mol.Weight = 100.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Oxirane, 2-methyl-3-propyl-, cis- (9CI)

Mol. Formula =
C6H12O

Misc. Info. =

61

Bis(2-ethylhexyl) ph	
00117-81-7	72
1,2-Benzenedicarboxy	
00603-11-2	76
1,2-Benzenedicarboxy	
27554-26-3	67
Furo[3,2-b]pyridine,	
69022-83-9	27



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = HBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

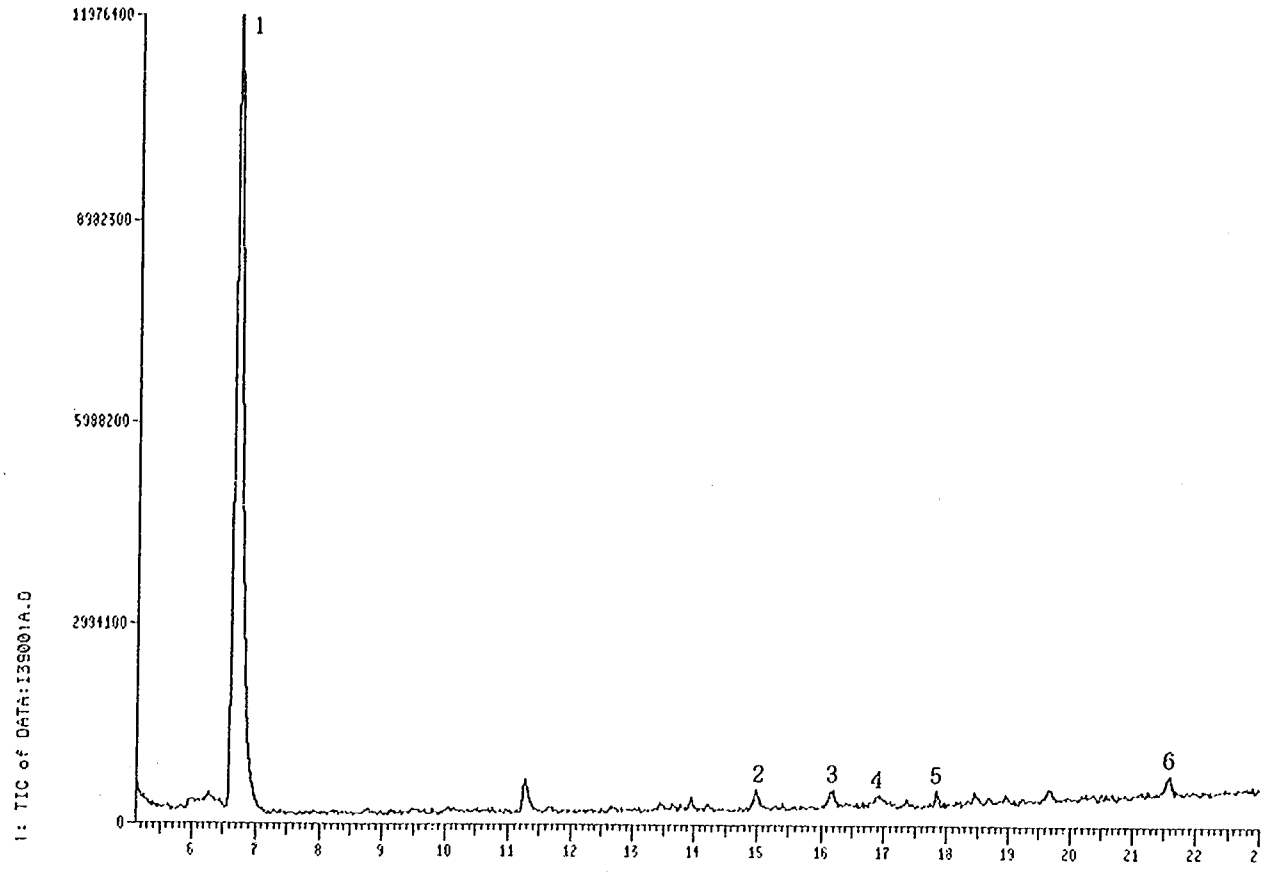
Misc. Info. =
Pesticides; Priority Pollutants;

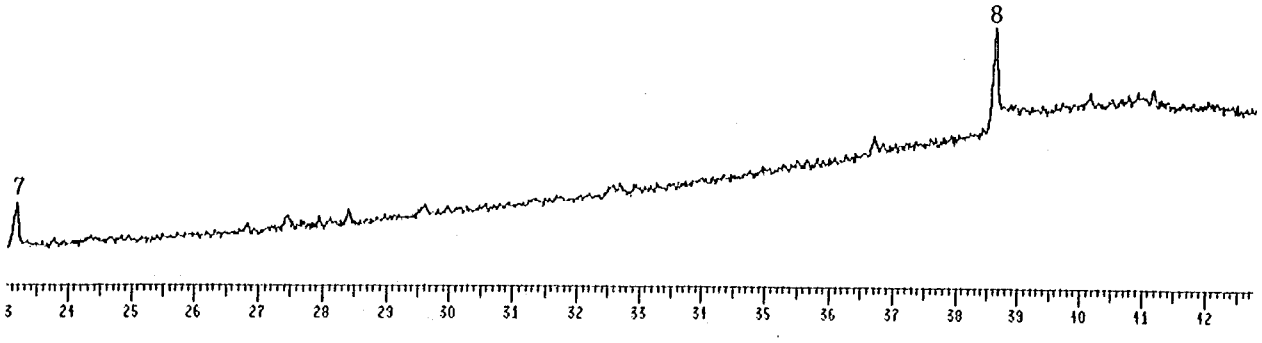
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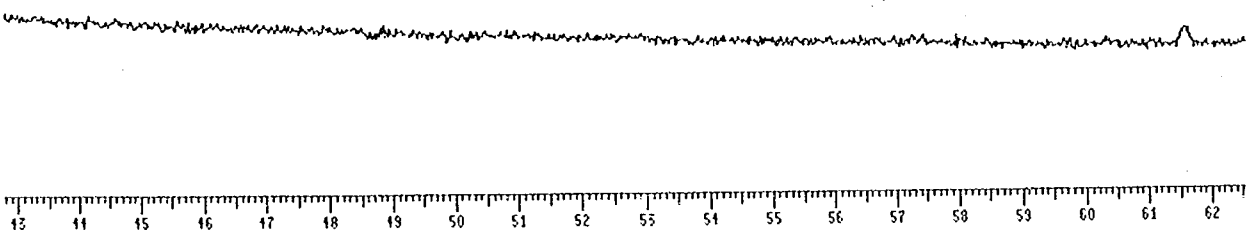
Ｉ処理場　二次処理水　酸性分画

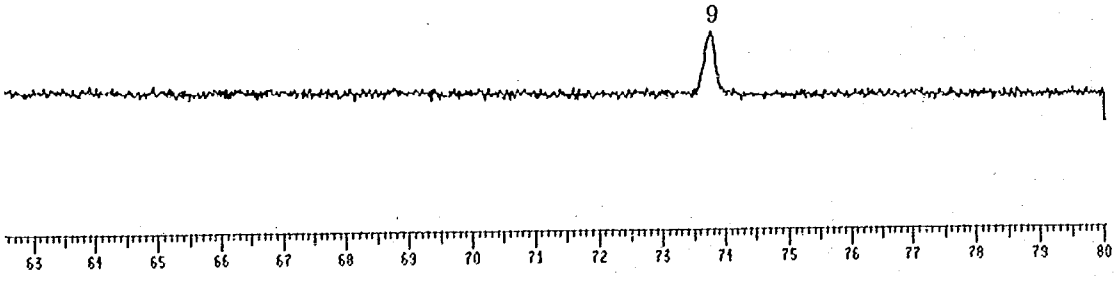
I39001A

No	Ｎａｍｅ
1	unknown
2	Hexanoic acid, 3,5,5-trimethyl-
3	Octanoic acid
4	Phenol, 3,5-dichloro-
5	unknown
6	Phthalic anhydride
7	Decanoic acid
8	unknown
9	Bis(2-ethylhexyl) phthalate


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5988200
2994100
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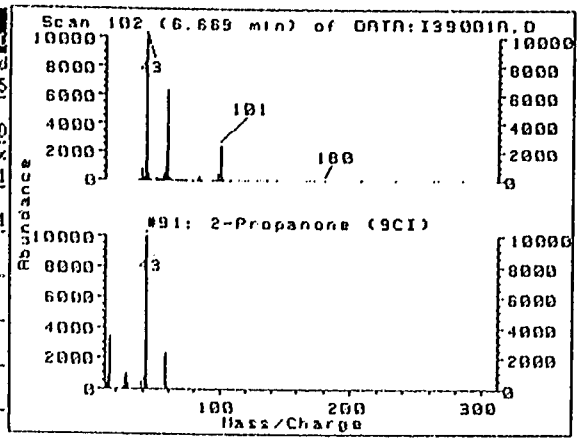




End of plot. Time = 5.13 to 80.02 minutes Chart speed = 1.24 cm/min

1

2-Propanone (9CI)	
00067-64-1	30
Hydroperoxide, 1,1-d	
00075-91-2	25
Butane (8CI9CI)	
00106-97-8	20
2-Butanone, 3-hydrox	
00115-22-0	11
Acetamide (8CI9CI)	
00060-35-5	11



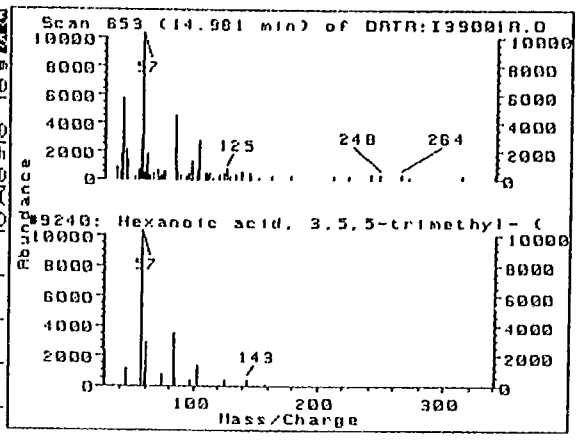
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

2

Hexanoic acid, 3,5,5	
03302-10-1	25
2-Hexene, 4,4,5-trim	
55702-61-9	20
Cyclohexane, azido-	
19573-22-9	20
1-Propyne, 3,3'-(eth	
02188-15-0	20
1-Hexene, 6-bromo- (	
02695-47-8	20



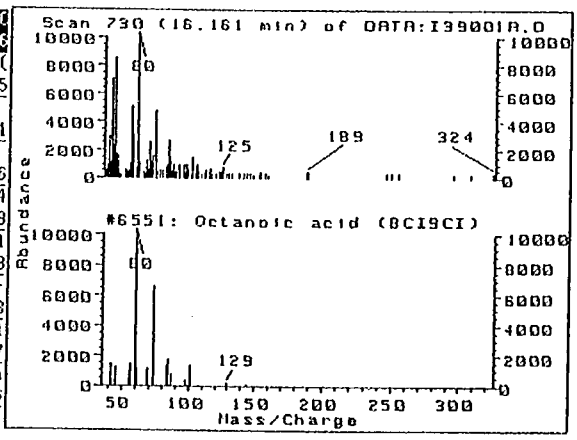
Entry# = 9240 CAS Num = 03302-10-1
Company ID Num = NBS 9/85
Mol.Weight = 158.130 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexanoic acid, 3,5,5-trimethyl- (8CI9CI)

Mol. Formula =
C9H18O2

Misc. Info. =

3

Octanoic acid (8CI9C	
00124-07-2	58
Hexanoic acid (DOT)(	
00142-62-1	55
Butanoic acid (9CI)	
00107-92-6	51
Hexanamide (8CI9CI)	
00628-02-4	36
2H-1,2-Oxazine, 6-(4	
15769-91-2	28
Hydrazine, 1,2-dimet	
00540-73-8	28
1-Propene, 3-fluoro-	
00818-92-8	28
Hydrazine, 1,1-dimet	
00057-14-7	27
1,2,3,4,5-Cyclopenta	
56772-25-9	26



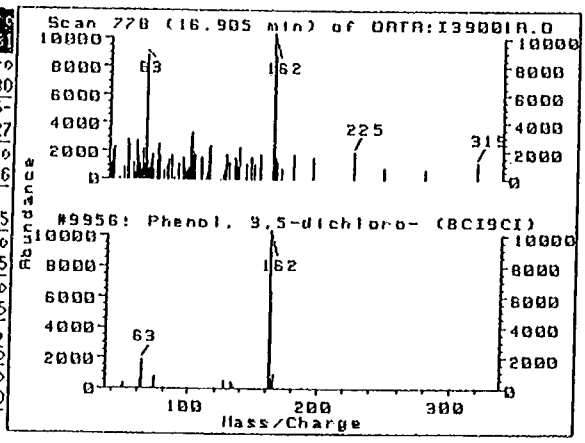
Entry# = 6551 CAS Num = 00124-07-2
Company ID Num = NBS 9/85
Mol.Weight = 144.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Octanoic acid (8CI9CI)

Mol. Formula =
C8H16O2

Misc. Info. =
Pesticides;

4

Phenol, 3,5-dichloro	
00591-35-5	31
Phenol, 2,5-dichloro	
00583-78-8	30
1H-Benzotriazole, 5-	
02338-12-7	27
Phenol, 3,4-dichloro	
00095-77-2	26
Thiophene, 2-bromo-	
01003-09-4	25
Phenol, 2,3-dichloro	
00576-24-9	25
Phenol, 2,4-dichloro	
00120-83-2	25
Butanoic acid, 4-(2,	
00094-82-6	25
Phenol, 2,6-dichloro	
00087-65-0	20



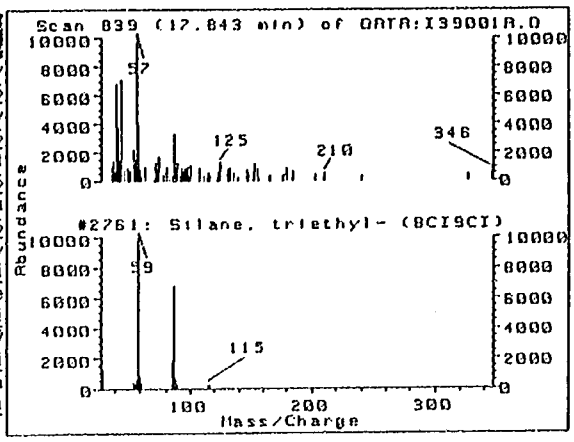
Entry# = 9956 CAS Num = 00591-35-5
Company ID Num = NBS 9/85
Mol.Weight = 161.963 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 3,5-dichloro- (8CI9CI)

Mol. Formula =
C6H4Cl2O

Misc. Info. =
Pesticides;

5

Silane, triethyl- (8
00617-86-7 25
Butane, 1-(2-methoxy
13343-98-1 25
Propane, 1,1'-(methy
00505-84-0 25
2-Propanol, 1-(1-met
53907-95-2 15
2,4,6,8,9-Pentathiaa
21404-63-7 15
Pentanamide, 4-methy
01119-29-5 11
Oxepane, 2,2,4-trime
23120-44-7 11
Silane, hexyl- (8Cl9
01072-14-6 11
Ethane, isothiocyana
00542-85-8 11



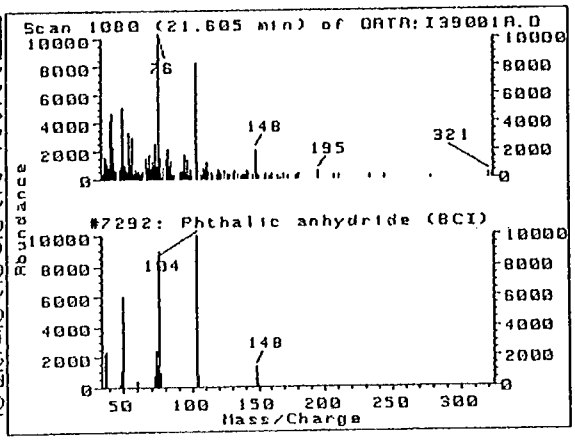
Entry# = 2761 CAS Num = 00617-86-7
Company ID Num = NBS 9/85
Mol.Weight = 116.101 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Silane, triethyl- (8CI9CI)

Mol. Formula =
C6H16Si

Misc. Info. =

6

Phthalic anhydride (
00085-44-9 71
1,2-Benzenedicarboxy
00088-99-3 67
1H-Indene-1,3-dio
00938-24-9 67
Ninhydrin
00485-47-2 67
1,2-Benzenedicarboxy
00084-75-3 60
1H-Isoindole-1,3(2H)
00085-41-6 60
1,2-Benzenedicarboxy
04376-18-5 50
3-Pyridinecarbonitri
00100-54-9 25
Phthalaldehydic acid
06383-59-1 20



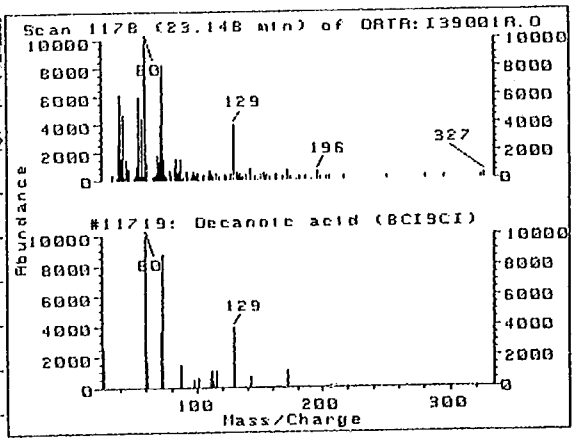
Entry# = 7292 CAS Num = 00085-44-9
Company ID Num = NBS 9/85
Mol.Weight = 148.015 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phthalic anhydride (8CI)

Mol. Formula =
C8H4O3

Misc. Info. =
Carbohydrates; Pesticides;

7

Decanoic acid (8Cl9C
00334-48-5 60
Nonanoic acid (8Cl9C
00112-05-0 31
Hexanamide (8Cl9Cl)
00628-02-4 25



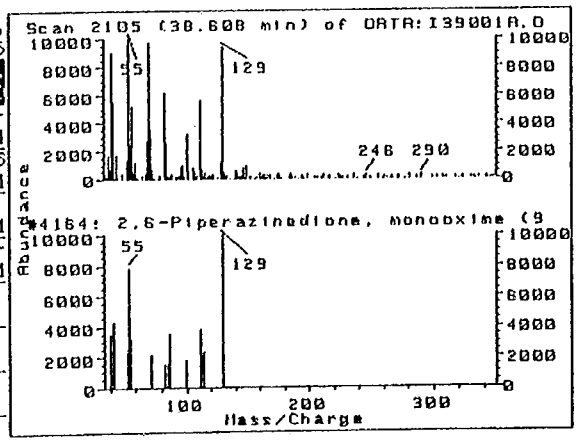
Entry# = 11719 CAS Num = 00334-48-5
Company ID Num = NBS 9/85
Mol.Weight = 172.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Decanoic acid (8CI9CI)

Mol. Formula =
C10H20O2

Misc. Info. =

8

Cyclopentane, 1,1,3,
53907-60-1 25
2,6-Piperazinedione,
56700-84-6 20
Cyclopentane, 1,2,3-
15890-40-1 11
1,3,5-Triazine-2,4,6
00108-80-5 11
1-Octene (8Cl9Cl)
09111-66-0 11
Cyclohexene, 1-(1,1-
40648-25-7 11



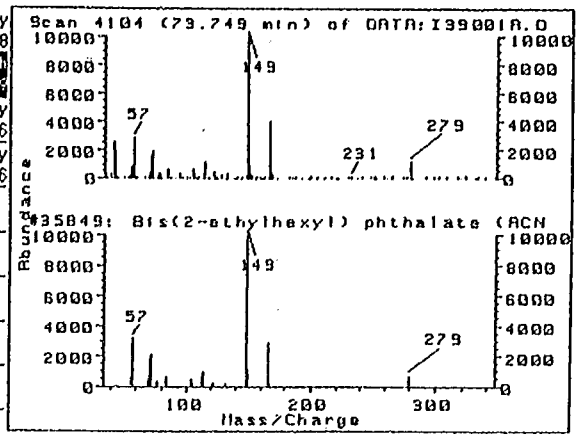
Entry# = 4164 CAS Num = 56700-84-6
Company ID Num = NBS 9/85
Mol.Weight = 129.053 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,6-Piperazinedione, monooxime (9CI)

Mol. Formula =
C4H7N3O2

Misc. Info. =

9

1,2-Benzenedicarboxy	
00603-11-2	58
Bis(2-ethylhexyl) ph	
00117-81-7	49
1,2-Benzenedicarboxy	
00131-16-8	26
1,2-Benzenedicarboxy	
00605-45-8	26



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H3804

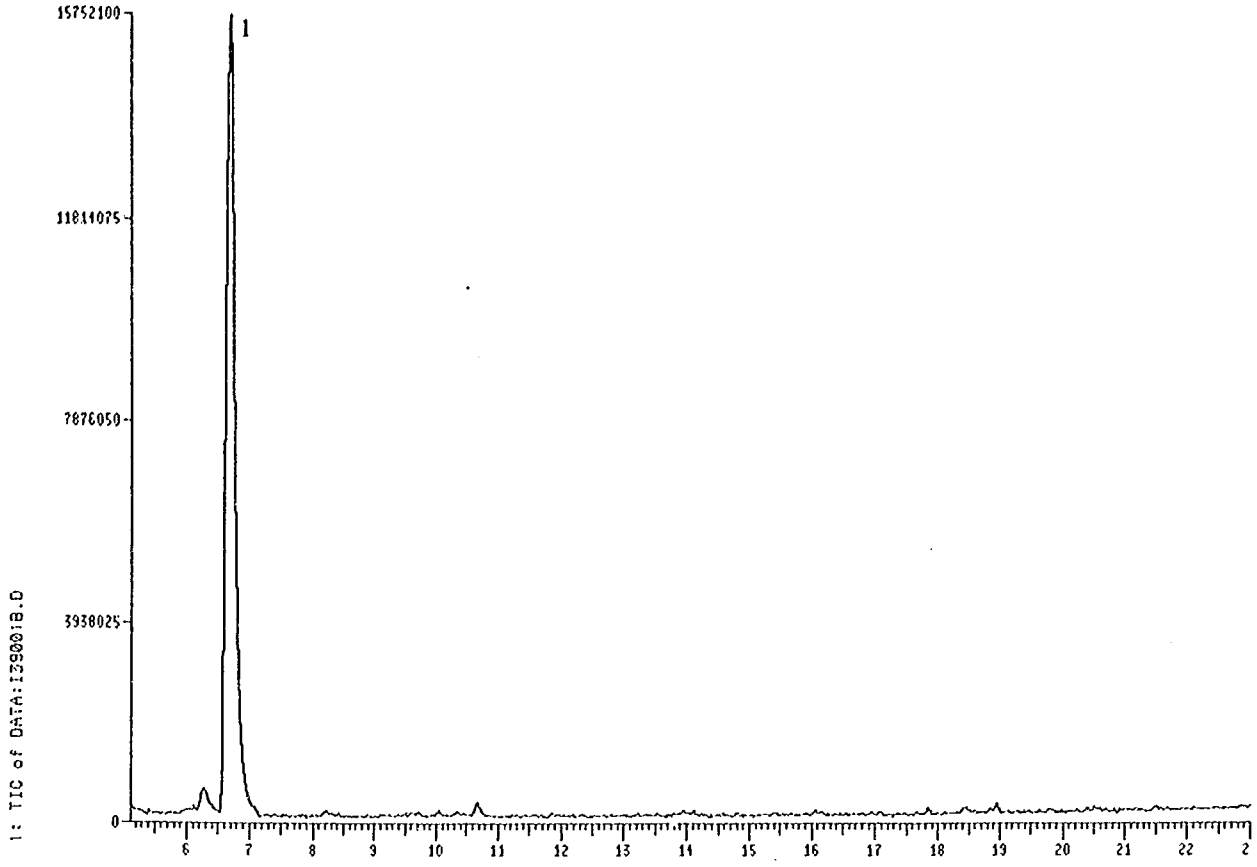
Misc. Info. =
Pesticides; Priority Pollutants;

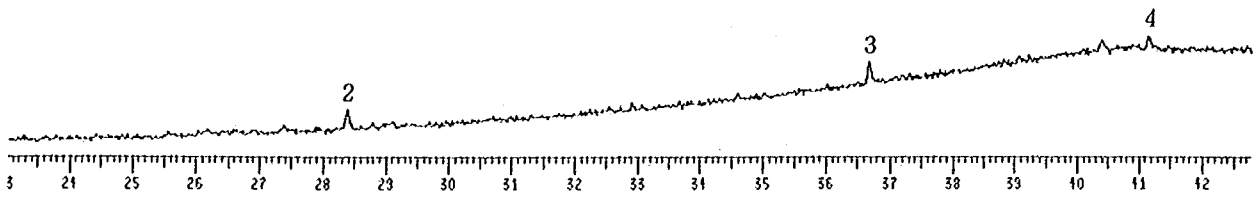
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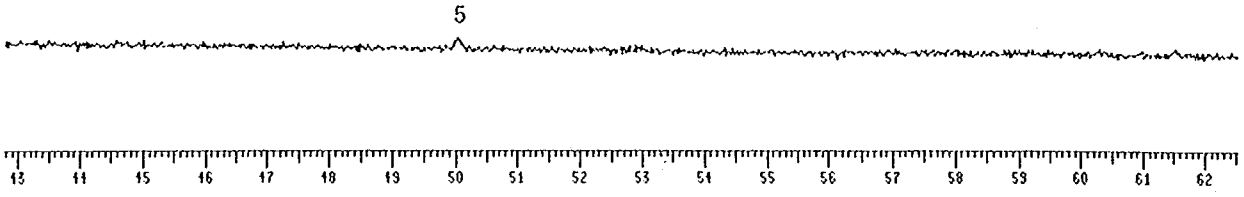
Ⅰ 処 理 場　二 次 処 理 水　塩 基 性 分 画

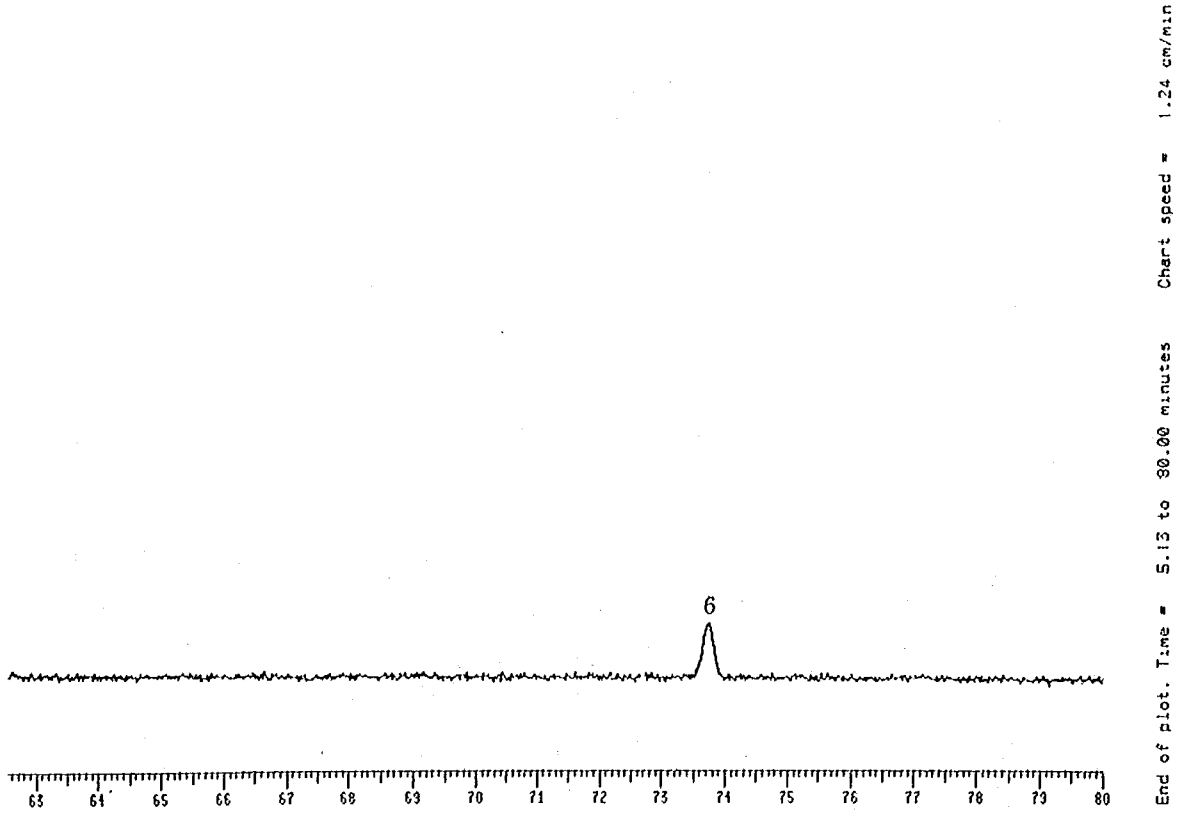
I39001B

No	Name
1	unknown
2	unknown
3	2,5,8,11,14-Pentaoxapentadecane
4	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
5	unknown
6	Bis(2-ethylhexyl) phthalate


15752100
11814075
7876050
3938025
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1: TIC of DATA:I39001B.D
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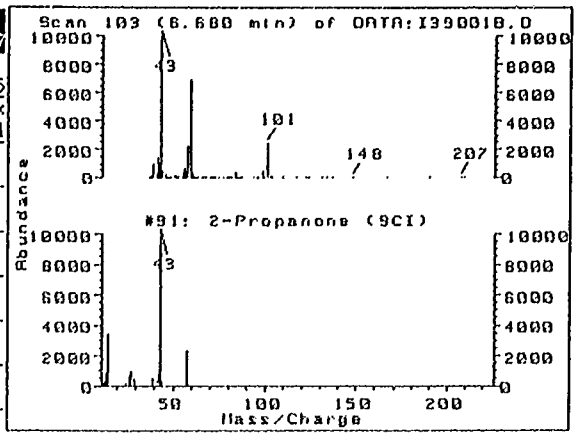

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43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62


6
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 30.00 minutes Chart speed = 1.24 cm/min

1

2-Propanone (9CI)	
00067-64-1	27
Butane (8CI9CI)	
00106-97-8	25
2-Butanone, 3-hydrox	
00115-22-0	11



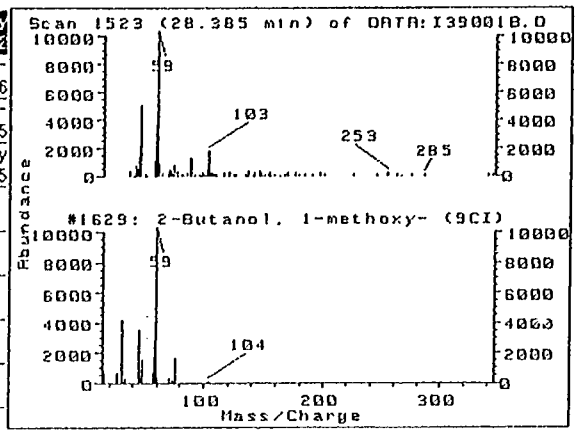
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

2

2-Butanol, 1-methoxy	
53778-73-7	52
Butane, 2-methoxy-3-	
62016-49-3	26
Propane, 1-ethoxy-2-	
00627-02-1	25
1-Propanol, 2-ethoxy	
19089-47-5	25



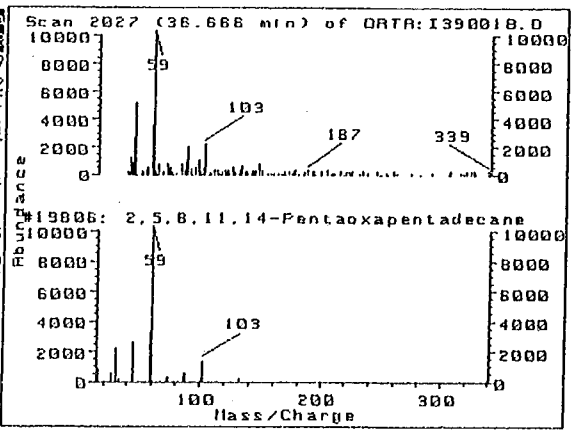
Entry# = 1629 CAS Num = 53778-73-7
Company ID Num = NBS 9/85
Mol.Weight = 104.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanol, 1-methoxy- (9CI)

Mol. Formula =
C5H12O2

Misc. Info. =

3

2,5,8,11,14-Pentaoxa	
00143-24-8	38
Silane, hexyl- (8CI9	
01072-14-6	32
Butane, 2-methoxy-3-	
62016-49-3	31
Pentane, 2-methoxy-	
06795-88-6	31
3-Heptanol, 4-methyl	
14979-39-6	31
Butane, 1-ethoxy- (9	
00628-81-9	30
Butanamide (9CI)	
00541-35-5	30
Ethanamine, N-methyl	
00624-78-2	29
Butanamide, 3-methyl	
00541-46-8	29



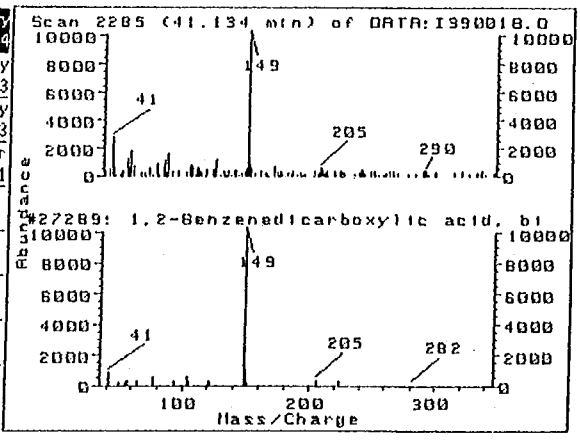
Entry# = 19806 CAS Num = 00143-24-8
Company ID Num = NBS 9/85
Mol.Weight = 222.146 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11,14-Pentaoxapentadecane (8CI9CI)

Mol. Formula =
C10H22O5

Misc. Info. =
Carbohydrates;

4

1,2-Benzenedicarboxy	
00117-82-8	64
1,2-Benzenedicarboxy	
00131-16-8	43
1,2-Benzenedicarboxy	
00605-45-8	43
Benzamide, o-(2-hydr	
02594-59-4	41



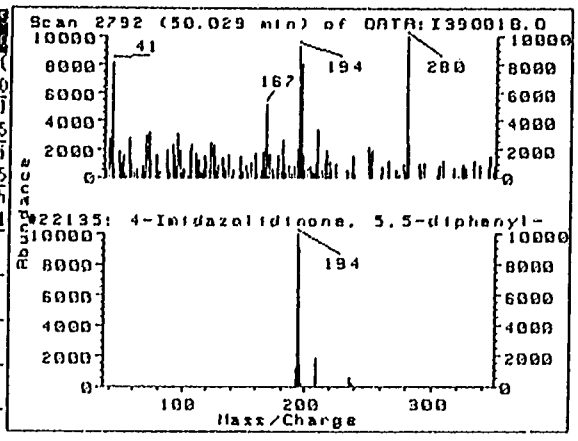
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) e
ster (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

5

4-Imidazolidinone, 5	
03254-93-1	20
Benzene, 1-bromo-4-(	
23773-30-0	20
Methanone, (2-methyl	
00131-58-8	15
2,4,6(1H,3H,5H)-Pyri	
55045-04-0	15
Benzenamine, 3-(2-ph	
14064-82-5	11



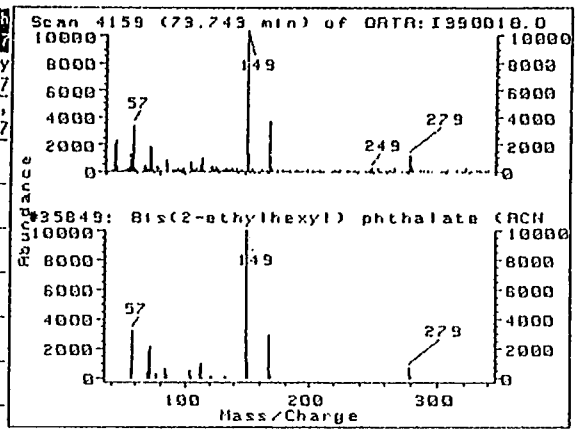
Entry# = 22135 CAS Num = 03254-93-1
Company ID Num = NBS 9/85
Mol.Height = 238.110 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
4-Imidazolidinone, 5,5-diphenyl- (8CI9CI)

Mol. Formula =
C15H14N2O

Misc. Info. =
Drugs;

6

Bis(2-ethylhexyl) ph	
00117-81-7	87
1,2-Benzenedicarboxy	
00603-11-2	57
Furo[3,2-b]pyridine,	
69022-83-9	27



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Height = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

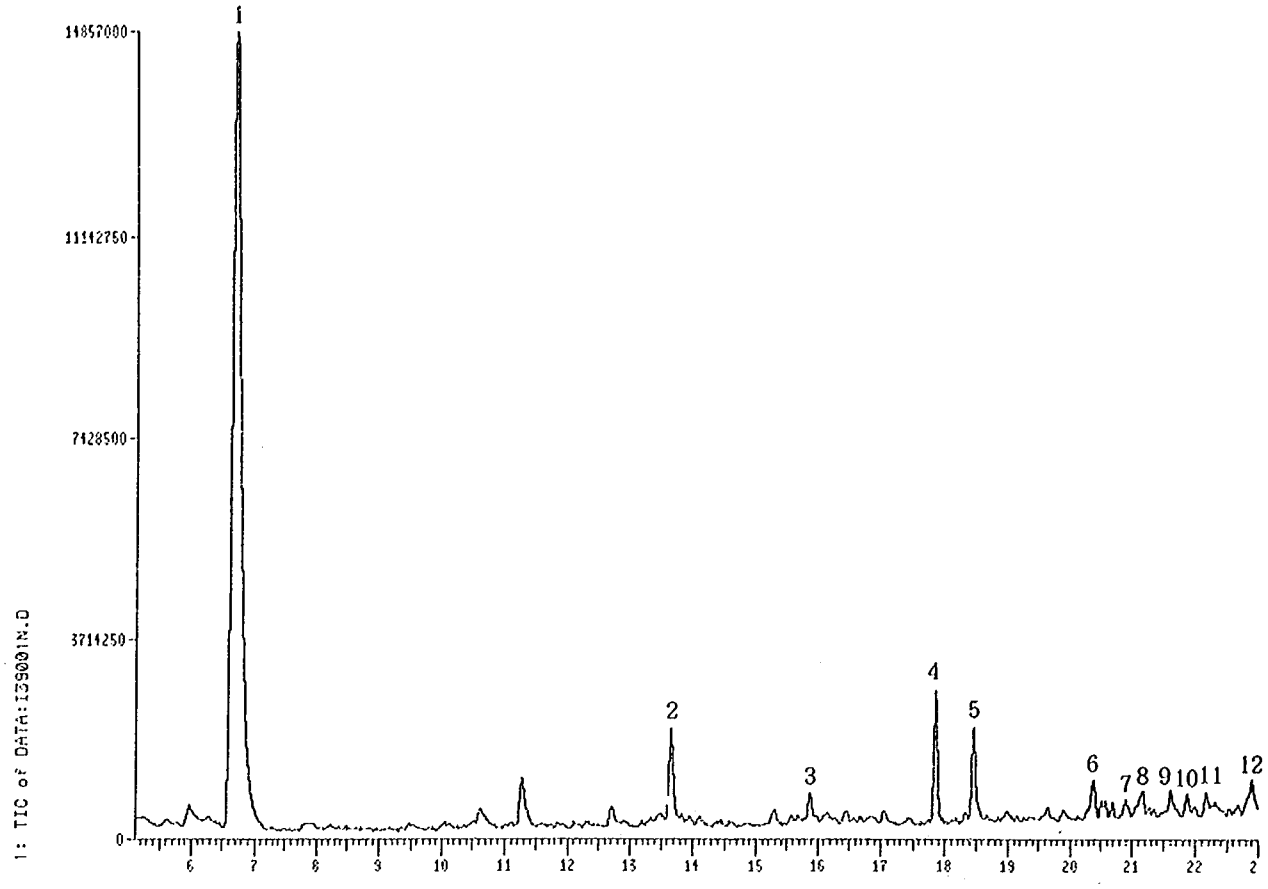
Misc. Info. =
Pesticides; Priority Pollutants;

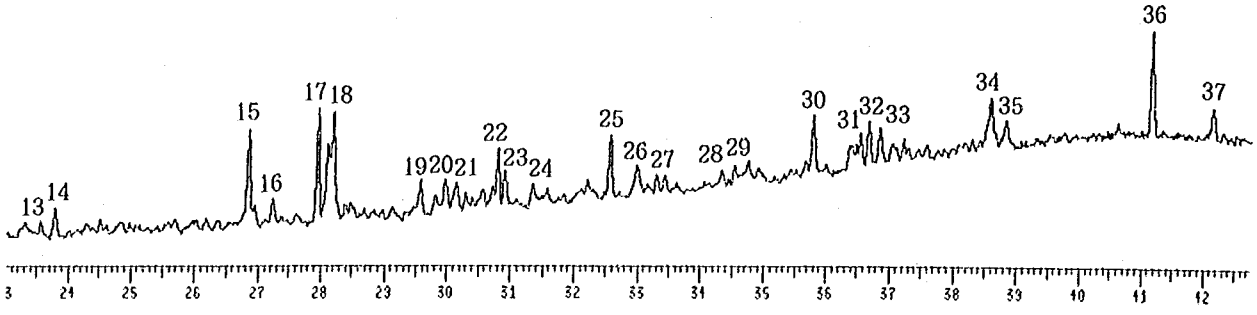
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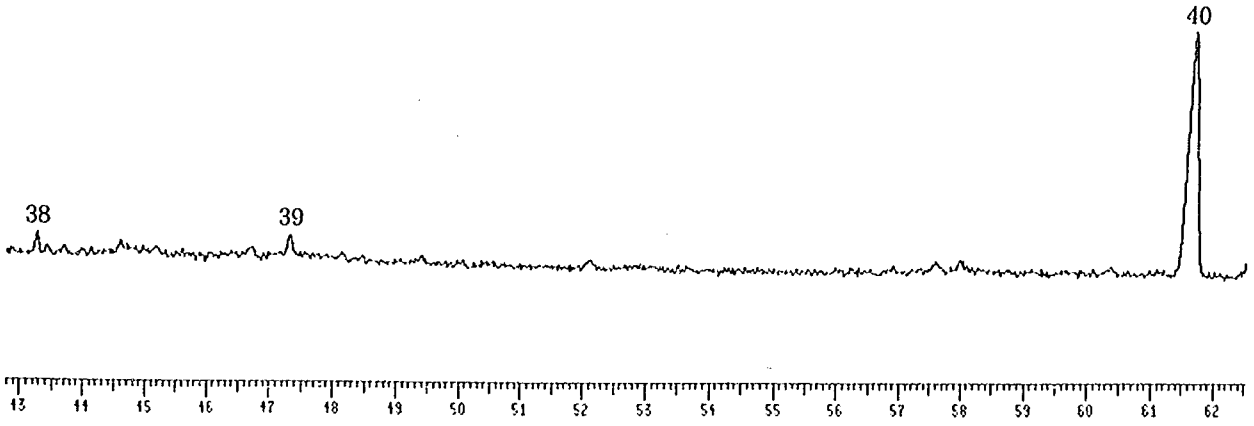
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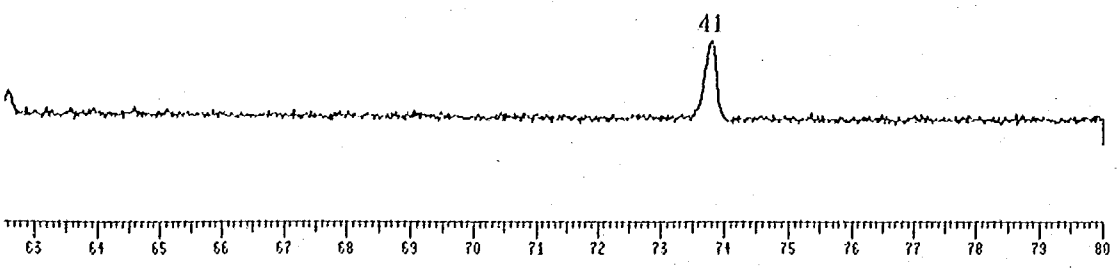
I39001N

No	Ｎａｍｅ
1	unknown
2	unknown
3	unknown
4	2-Propanol, 1-(1-methylpropoxy)-
5	unknown
6	unknown
7	Phenol, 3,4-dimethyl-
8	unknown
9	unknown
10	unknown
11	unknown
12	unknown
13	Propanoic acid, 2-methyl-, butyl ester
14	unknown
15	Phenol, (1,1-dimethylethyl)-4-methoxy-
16	unknown
17	2-Propanol, 1-(2-methoxy-1-methylethoxy)-
18	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
19	Thiophene, 2-butyl-5-(2-methylpropyl)-
20	2,5,8,11-Tetraoxatetradecan-13-ol, 4,7,10-trimethyl-
21	unknown
22	Heptane, 3,3,4-trimethyl-
23	2-Butenamide, N-ethyl-N-(2-methylphenyl)-
24	Benzothiazole, 2-(methylthio)-
25	Ethyl citrate
26	unknown
27	unknown
28	unknown
29	unknown
30	Ethanol, 2-chloro-, phosphate (3:1)
31	unknown
32	2,5,8,11,14-Pentaoxapentadecane
33	unknown
34	unknown
35	unknown
36	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
37	unknown
38	unknown
39	unknown
40	unknown
41	Bis(2-ethylhexyl) phthalate


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14857000
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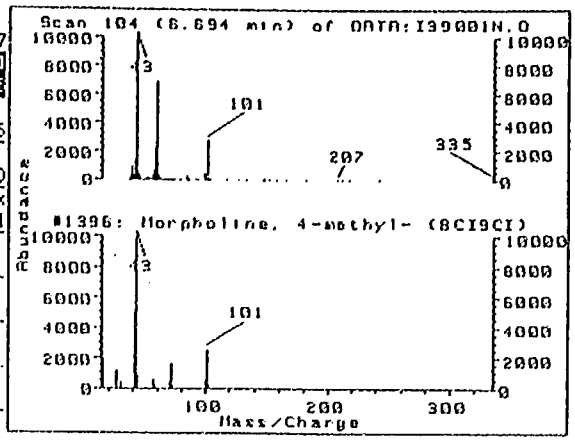




End of plot. Time = 5.13 to 80.02 minutes Chart speed = 1.24 cm/min

1

2-Propanone (9CI) 27
00067-64-1
Morpholine, 4-methyl 28
00109-02-4
Butane (8CI9CI) 25
00106-97-8
Guanidine (8CI9CI) 20
00113-00-8
2-Butanone, 3-hydrox 11
00115-22-0



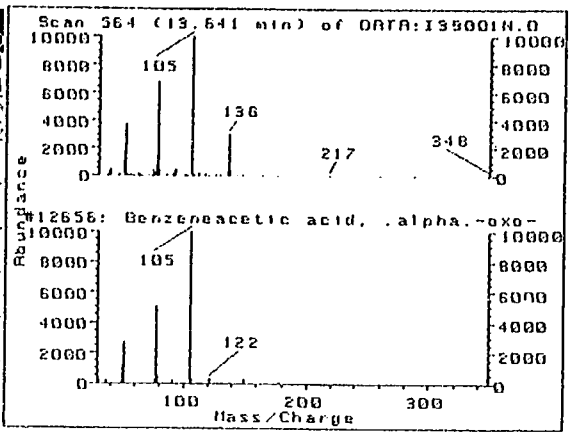
Entry# = 1396 CAS Num = 00109-02-4
Company ID Num = NBS 9/85
Mol.Height = 101.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Morpholine, 4-methyl- (8CI9CI)

Mol. Formula =
C5H11NO

Misc. Info. =

2

Benzeneacetic acid, 60
01603-79-8
Benzoic acid, methyl 31
00093-58-3
Benzeneethanol, 4-me 26
00699-02-5



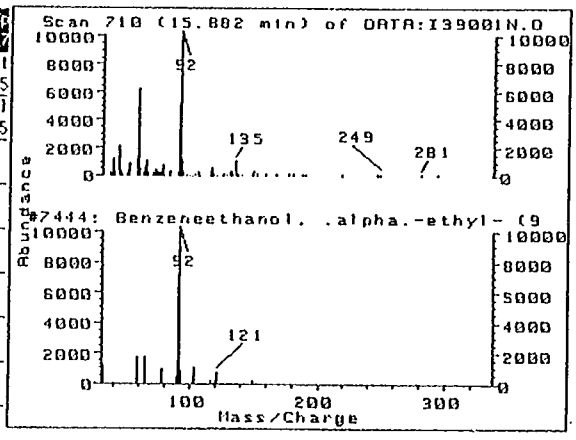
Entry# = 12656 CAS Num = 01603-79-8
Company ID Num = NBS 9/85
Mol.Height = 178.062 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzeneacetic acid, .alpha.-oxo-, ethyl ester (9CI)

Mol. Formula =
C10H10O3

Misc. Info. =

3

Benzeneethanol, .alp 27
00701-70-2
Benzene, (propoxymet 25
00937-61-1
Benzenemethanol, .al 25
00583-03-9



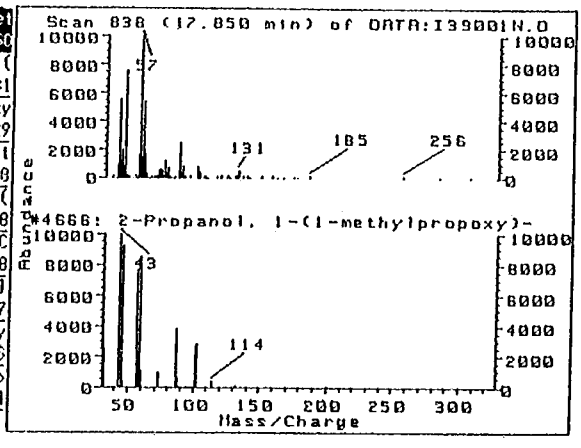
Entry# = 7444 CAS Num = 00701-70-2
Company ID Num = NBS 9/85
Mol.Height = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzeneethanol, .alpha.-ethyl- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

4

2-Propanol, 1-(1-met 60
53907-95-2
Ethanol, 2-butoxy- (31
00111-76-2
Ethanol, 2-(2-butoxy 29
00112-34-5
1-Propanol, 2-(1-met 28
03944-37-4
Butane, 1-methoxy- (28
00628-28-4
Ethane, methoxy- (9C 28
00540-67-0
Propane, 1,1'-(ethyl 27
00105-82-8
Butane, 1-(2-methoxy 26
13343-98-1
2-Propanol, 1-(2-pro 24
21460-36-6



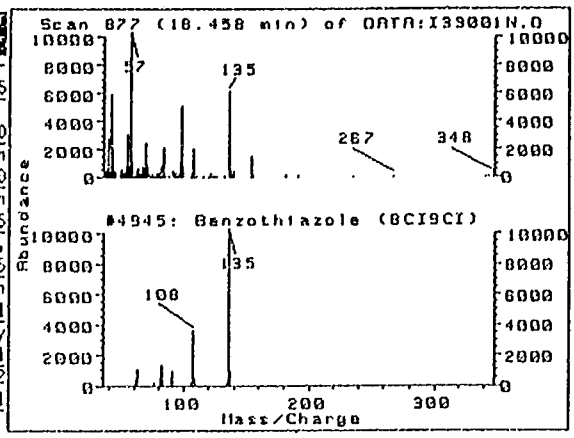
Entry# = 4666 CAS Num = 53907-95-2
Company ID Num = NBS 9/85
Mol.Height = 132.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-(1-methylpropoxy)- (9CI)

Mol. Formula =
C7H16O2

Misc. Info. =

5

Benzothiazole (8C19C	
00095-16-9	35
1H-Indole, 5-fluoro-	
00399-52-0	25
1,2-Benzisothiazole	
00272-16-2	20
Thieno[3,2-c]pyridin	
00272-14-0	20
Thieno[2,3-c]pyridin	
00272-12-8	15
2-Decene, 5-methyl-,	
74645-86-6	15
Benzene, isothiocyan	
00103-72-0	11
1H-Pyrazolo[4,3-d]py	
13877-56-0	11
Ethene, 1-chloro-1,2	
00359-04-6	11



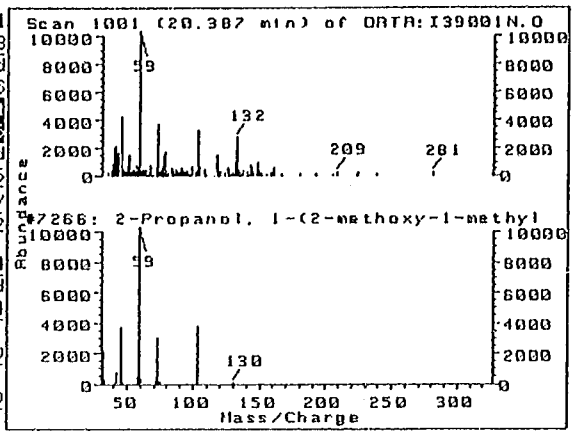
Entry# = 4945 CAS Num = 00095-16-9
Company ID Num = NBS 9/85
Mol.Height = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole (8C19CI)

Mol. Formula =
C7H5NS

Misc. Info. =

6

2-Propanol, 1,1'-[(1	
01638-16-0	28
1-Propanol, 2-(2-hyd	
00106-62-7	26
2-Propanol, 1-(2-met	
20324-32-7	25
Butanoic acid, 2-hyd	
52089-54-0	25
2-Butanol, 1-methoxy	
53778-73-7	25
3-Hexanol (8C19CI)	
00623-37-0	24
Butanoic acid, 2-hyd	
29674-47-3	24
Guanidine (8C19CI)	
00113-00-8	20
Pentane, 2-methoxy-	
06795-88-6	20



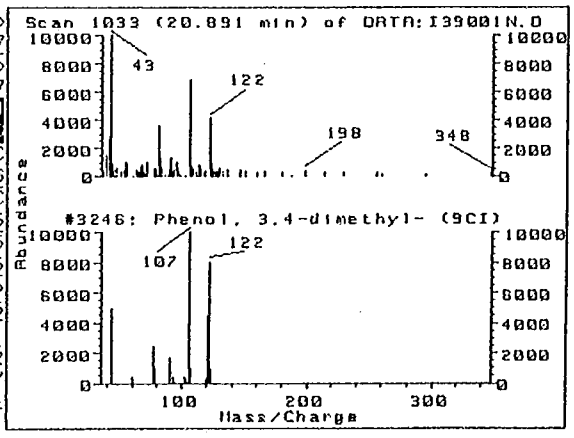
Entry# = 7266 CAS Num = 20324-32-7
Company ID Num = NBS 9/85
Mol.Height = 148.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-(2-methoxy-1-methylethoxy)- (8C19CI)

Mol. Formula =
C7H16O3

Misc. Info. =
Carbohydrates;

7

6-Oxabicyclo[3.2.1]o	
66465-86-9	37
6-Oxabicyclo[3.2.1]o	
66465-83-6	37
Phenol, 3,4-dimethyl	
00095-65-8	36
Phenol, 3-ethyl- (9C	
00620-17-7	36
Phenol, 4-ethyl- (9C	
00123-07-9	15
Ketone, 3a.beta.,4,5	
17986-87-7	15
6-Oxabicyclo[3.2.1]o	
66465-85-8	15
2-Propanone, 1-(2,8,	
66465-75-6	15
Benzenamine, 3-methy	
00108-44-1	11



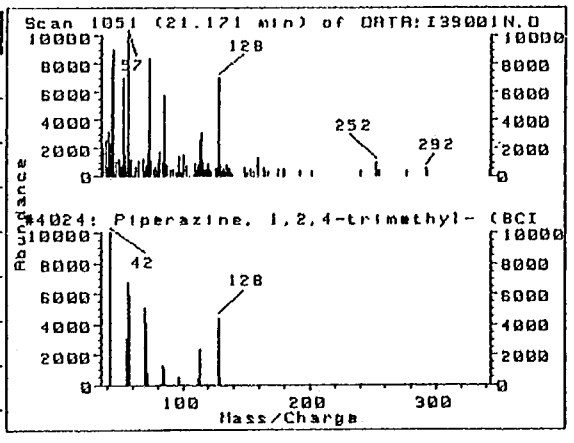
Entry# = 3246 CAS Num = 00095-65-8
Company ID Num = NBS 9/85
Mol.Height = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 3,4-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =

8

Piperazine, 1,2,4-tr
00120-85-4



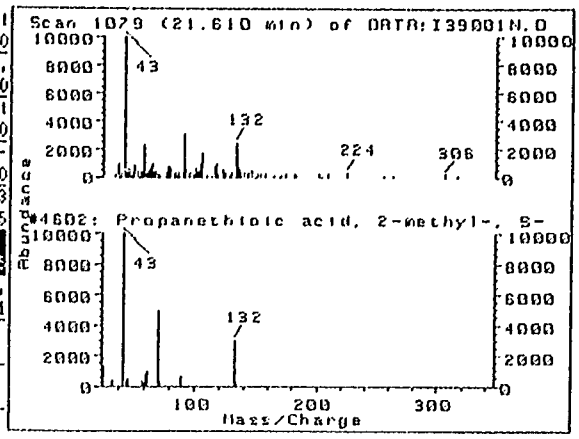
Entry# = 4024 CAS Num = 00120-85-4
Company ID Num = NBS 9/85
Mol.Height = 128.131 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Piperazine, 1,2,4-trimethyl- (8C19CI)

Mol. Formula =
C7H16N2

Misc. Info. =

9

Quinoline, 5,6,7,8-t	
10500-57-9	20
Isoquinoline, 1,2,3,	
00091-21-4	20
Quinoline, 1,2,3,4-t	
00635-46-1	20
Cyclopropanamine, 2-	
00155-09-9	20
1,2,4-Thiadiazole, 3	
38362-14-0	15
Propanethioic acid,	
02432-50-0	15
Furo(2,3-c)pyridine,	
69022-76-0	11



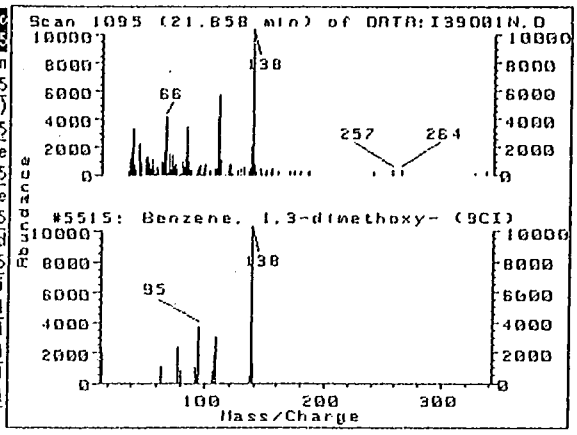
Entry# = 4602 CAS Num = 02432-50-0
Company ID Num = NBS 9/85
Mol.Weight = 132.069 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanethioic acid, 2-methyl-, S-ethyl ester (9CI)

Mol. Formula =
C6H12OS

Misc. Info. =

10

Benzene, 1,3-dimetho	
00151-10-0	25
Bicyclo(2.2.1)heptan	
54345-87-8	25
Benzene, (ethylthio)	
00622-38-8	15
Thiophene, 3-(2-bute	
53986-44-2	15
Thiophene, 2-(2-bute	
52008-15-8	15
3-Pyridinecarboxamid	
01986-81-8	15
Benzaldehyde, 2,4-di	
00095-01-2	11
2,5-Cyclohexadiene-1	
00615-91-8	11
1,3-Benzodioxol-5-ol	
00533-31-3	11



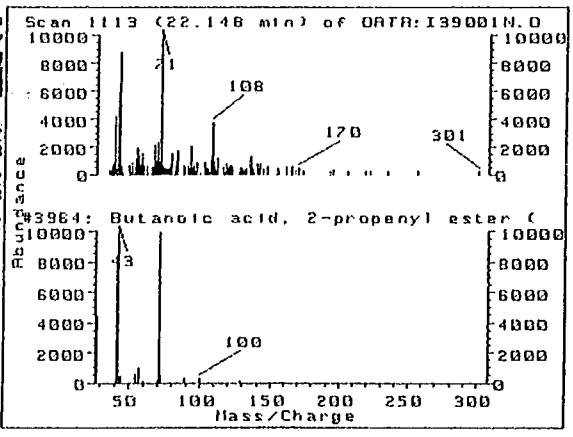
Entry# = 5515 CAS Num = 00151-10-0
Company ID Num = NBS 9/85
Mol.Weight = 138.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, 1,3-dimethoxy- (9CI)

Mol. Formula =
C8H10O2

Misc. Info. =

11

Furan, 2-butyltetrah	
01004-29-1	47
Butanoic acid, 2-pro	
02051-78-7	31
Ethane, isocyanato-	
00109-90-0	26
Pentane, 3-bromo- (8	
01809-10-5	25
Decane, 4-methyl- (8	
02847-72-5	25
2-Furanol, tetrahydr	
07326-46-7	24
Methylamine, N-(1-me	
22058-71-5	24
2-Propenamide (9CI)	
00079-06-1	24



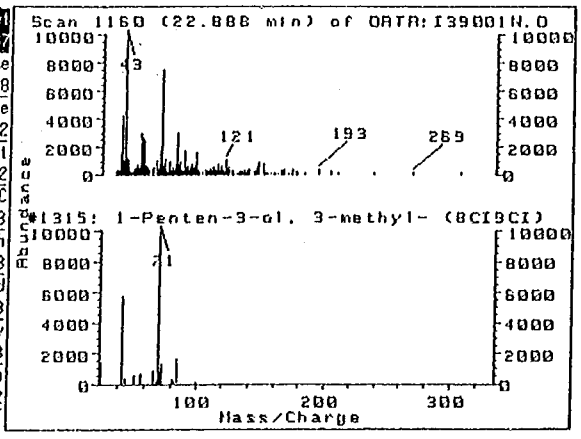
Entry# = 3964 CAS Num = 02051-78-7
Company ID Num = NBS 9/85
Mol.Weight = 128.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butanoic acid, 2-propenyl ester (9CI)

Mol. Formula =
C7H12O2

Misc. Info. =

12

1-Penten-3-ol, 3-met	
00918-65-4	67
Propanoic acid, 2-me	
74367-33-2	58
Propanoic acid, 2-me	
54340-93-1	52
Butanoic acid, 1-met	
39026-94-3	52
Oxirane, propyl- (9C	
01003-14-1	43
1-Hexene, 4,5-dimeth	
16106-59-5	43
Butanoic acid, 2,3-d	
00557-25-5	43
Borinic acid, diethy	
07397-46-8	43
Butanoic acid, ethen	
00123-20-6	42



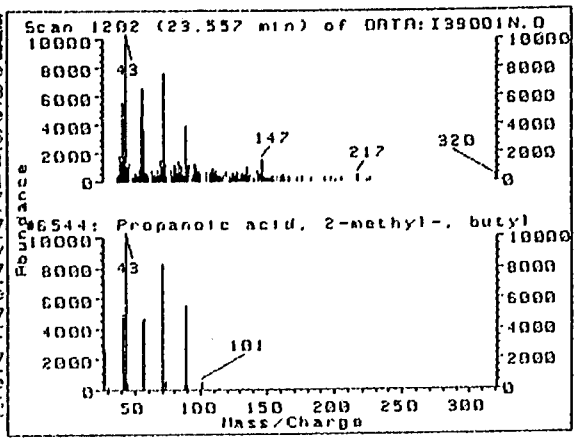
Entry# = 1315 CAS Num = 00918-65-4
Company ID Num = NBS 9/85
Mol.Weight = 100.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Penten-3-ol, 3-methyl- (8CI,9CI)

Mol. Formula =
C6H12O

Misc. Info. =

13

Propanoic acid, 2-me	
00097-87-0	42
Methylamine, N-(1-me	
22058-71-5	38
Propanoic acid, 2-me	
74367-31-0	36
Butanoic acid, 2-met	
00539-90-2	31
1,3-Propanediol, 2-(	
19184-65-7	27
Butanoic acid, propy	
00105-66-8	27
Propanoic acid, 2-me	
74367-33-2	27
Azetidine, 1-methyl-	
04923-79-9	27
Propanoic acid, 2-me	
74367-32-1	25



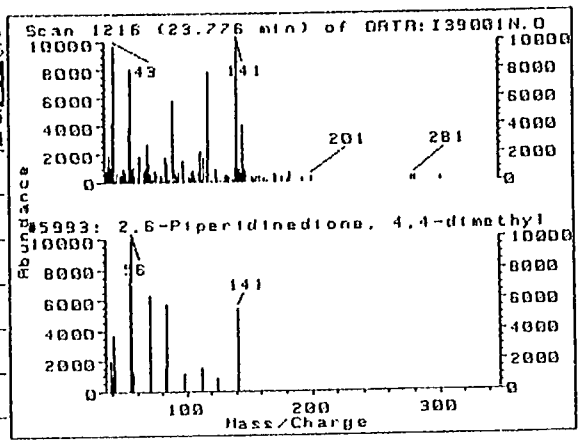
Entry# = 6544 CAS Num = 00097-87-0
Company ID Num = NBS 9/85
Mol.Weight = 144.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, butyl ester (9CI)

Mol. Formula =
C8H16O2

Misc. Info. =

14

1(2H)-Naphthalenone,	
00529-34-0	15
2,6-Piperidinedione,	
01123-40-6	11
Benzeneacetyl chlori	
00103-80-0	11



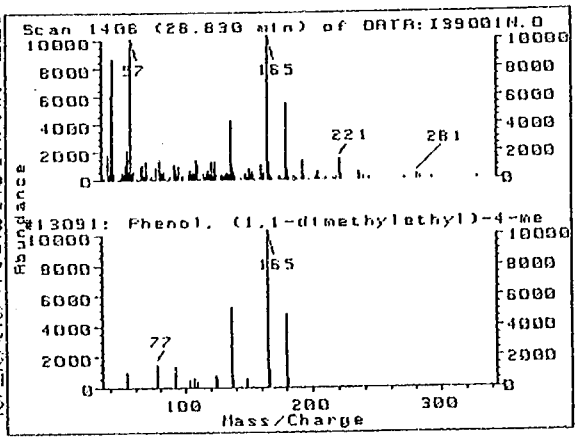
Entry# = 5993 CAS Num = 01123-40-6
Company ID Num = NBS 9/85
Mol.Weight = 141.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,6-Piperidinedione, 4,4-dimethyl- (9CI)

Mol. Formula =
C7H11NO2

Misc. Info. =
Alkaloids; Drugs;

15

Phenol, (1,1-dimethy	
25013-16-5	67
3-Buten-2-one, 4-(4-	
03160-40-5	42
Ethanone, 1-(2-hydro	
04223-84-1	33
Thiazolo[5,4-d]pyrim	
19835-21-3	30
Ethanone, 1-(2,5-dim	
01201-38-3	28
Silane, ethoxydimeth	
01825-58-7	27
Benzamide, 3-ethoxy-	
55836-69-6	26
9H-Fluorene, 9-methy	
02523-37-7	26
Thiazolo[3,2-a]pyrid	
30276-99-4	25



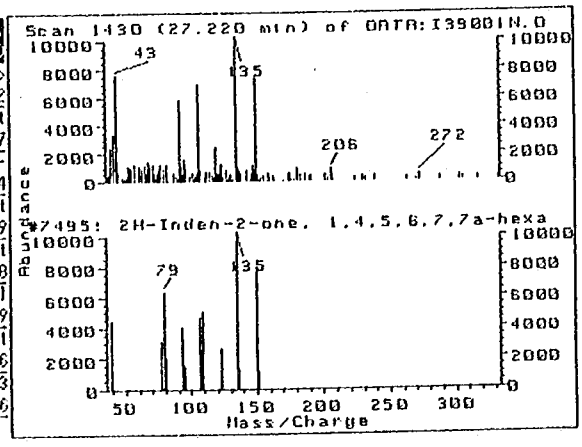
Entry# = 13091 CAS Num = 25013-16-5
Company ID Num = NBS 9/85
Mol.Weight = 180.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, (1,1-dimethylethyl)-4-methoxy- (9CI)

Mol. Formula =
C11H16O2

Misc. Info. =
Drugs; Pesticides;

16

2H-Inden-2-one, 1,4,	
54725-16-5	70
Ethanone, 1-(2-hydro	
01450-72-2	52
Pyrazolo[5,1-c]-as-t	
06726-50-7	47
Phenol, 3,5-diethyl-	
01197-34-8	44
Phenol, 2-(1,1-dimet	
00088-18-6	39
Phenol, 3-(1,1-dimet	
00585-34-2	38
2H-1-Benzopyran-3-ol	
21834-60-6	29
Phenol, 4-(1,1-dimet	
00098-54-4	26
Thiirane, 2-methyl-3	
67921-36-2	26



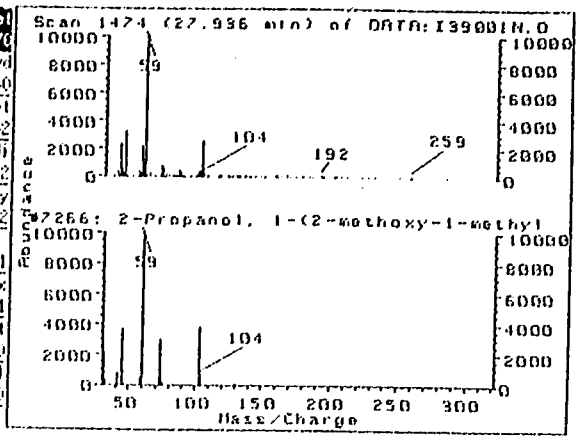
Entry# = 7495 CAS Num = 54725-16-5
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2H-Inden-2-one, 1,4,5,6,7,7a-hexahydro-7a-methyl-, (S)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

17

2-Propanol, 1-(2-met	
20324-32-7	70
1-Propanol, 2-(2-hyd	
00106-62-7	60
2-Propanol, 1-(1-met	
55956-25-7	52
Ethanedioic acid, di	
00553-90-2	42
2-Butanol, 1-methoxy	
53778-73-7	42
Pentane, 2-methoxy-	
06795-88-6	31
2-Propanol, 1-methox	
03587-64-2	31
2-Propanol, 1-(2-met	
13429-07-7	30
Butanamide, 3-methyl	
00541-46-8	30



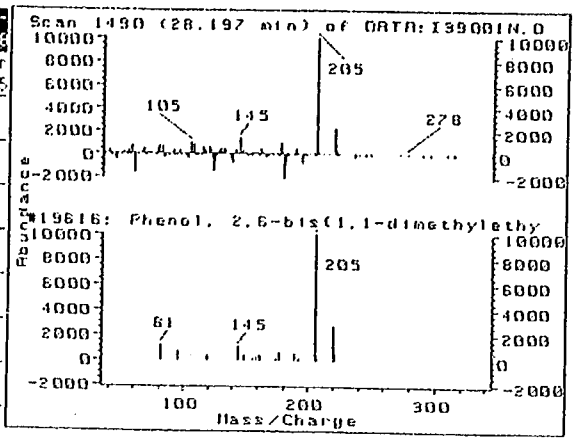
Entry# = 7266 CAS Num = 20324-32-7
Company ID Num = NBS 9/85
Mol.Weight = 148.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-(2-methoxy-1-methylethoxy)- (8CI9CI)

Mol. Formula =
C7H16O3

Misc. Info. =
Carbohydrates;

18

Phenol, 2,6-bis(1,1-	
00128-37-0	88
2-Phenazinecarbonitr	
06479-93-2	35



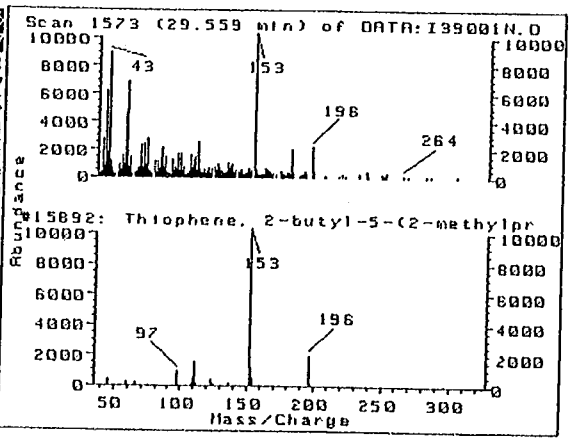
Entry# = 19616 CAS Num = 00128-37-0
Company ID Num = NBS 9/85
Mol.Weight = 220.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (9CI)

Mol. Formula =
C15H24O

Misc. Info. =
Drugs; Pesticides;

19

Thiophene, 2-butyl-3	
54845-35-1	77
Thiophene, 2,5-dibut	
06911-45-1	67
1-Butanone, 1-(2,4,5	
01421-63-2	64
Silane, [(1-ethynylc	
62785-90-4	60
1,2-Ethanediamine, N	
29602-39-9	42
Thiophene, 2,5-bis(2	
54845-33-9	40
1-Naphthalenecarboni	
00086-53-3	32
2-Naphthalenecarboni	
00613-46-7	31
1(2H)-Naphthalenone,	
55332-02-0	31



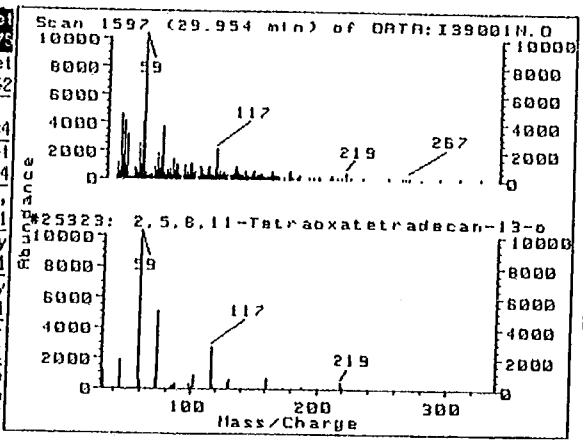
Entry# = 15892 CAS Num = 54845-35-1
Company ID Num = NBS 9/85
Mol.Weight = 196.128 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Thiophene, 2-butyl-5-(2-methylpropyl)- (9CI)

Mol. Formula =
C12H20S

Misc. Info. =

20

2,5,8,11-Tetraoxatet	
20324-34-9	75
1-Propanol, 2-(2-met	
13588-28-8	52
3-Hexanol (8CI9CI)	
00623-37-0	34
2-Hexanol, 2,3-dimet	
19550-03-9	34
Cyclooctanemethanol,	
16624-06-9	31
Propanoic acid, 2-hy	
00080-55-7	31
Propanoic acid, 2-hy	
02110-78-3	31
1,7-Octanediol, 3,7-	
00107-74-4	31
D-ribo-Tetrofuranose	
30571-50-7	30



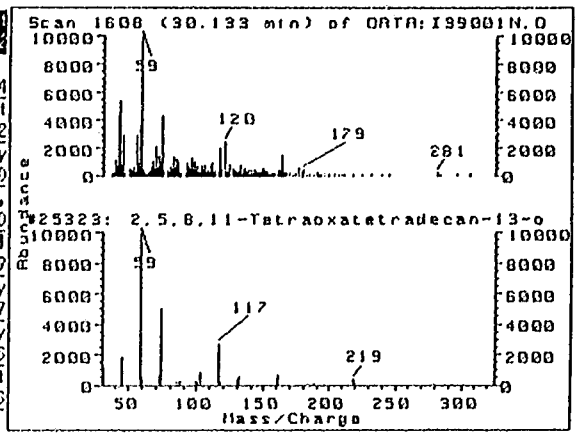
Entry# = 25323 CAS Num = 20324-34-9
Company ID Num = NBS 9/85
Mol.Weight = 264.192 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11-Tetraoxatetradecan-13-ol, 4,7,10-trimethyl
- (9CI)

Mol. Formula =
C13H28O5

Misc. Info. =
Carbohydrates;

21

2,5,8,11-Tetraoxatet	
20324-34-9	62
3-Hexanol (8CI9CI)	
00623-37-0	44
1-Propanol, 2-(2-met	
13588-28-8	42
Propanoic acid, 2-hy	
02110-78-3	30
Cyclooctanemethanol,	
16624-06-9	30
3-Heptanol, 4-methyl	
14979-39-6	29
Ethane, 1,2-diethoxy	
00629-14-1	27
Propanoic acid, 2-hy	
00080-55-7	26
Propanenitrile, 3-et	
02141-62-0	26



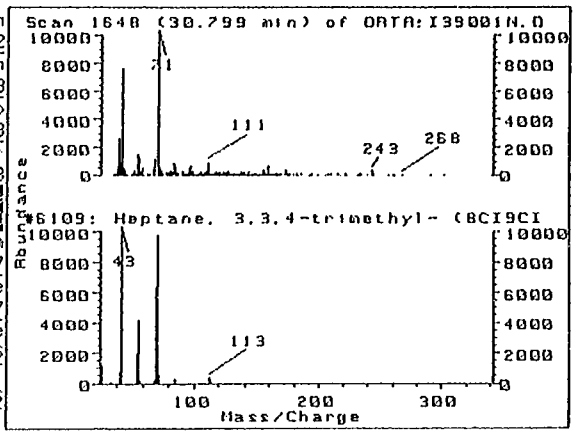
Entry# = 25323 CAS Num = 20324-34-9
Company ID Num = NBS 9/85
Mol.Weight = 264.192 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11-Tetraoxatetradecan-13-ol, 4,7,10-trimethyl - (9CI)

Mol. Formula =
C13H28O5

Misc. Info. =
Carbohydrates;

22

Dodecane, 4,6-dimeth	
61141-72-8	42
Furan, 2-butyltetrah	
01004-29-1	38
Butanoic acid, 2-pro	
02051-78-7	38
Butyric acid, m-nitr	
14617-97-1	38
Heptane, 3,3,4-trime	
20278-87-9	38
Heptane, 3-ethyl-5-m	
52896-90-9	37
Methylamine, N-(1-me	
22058-71-5	37
Butane, 2-bromo-2-me	
00507-36-8	36
Ethane, isocyanato-	
00109-90-0	36



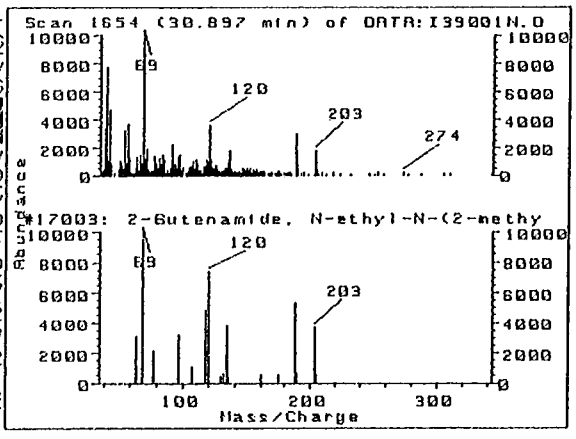
Entry# = 6109 CAS Num = 20278-87-9
Company ID Num = NBS 9/85
Mol.Weight = 142.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Heptane, 3,3,4-trimethyl- (8CI9CI)

Mol. Formula =
C10H22

Misc. Info. =

23

Benzenamine, 2-(1,1-	
60173-57-1	26
1H-Pyrazolo[4,3-d]py	
34232-31-0	26
2-Butenamide, N-ethy	
00483-63-6	23
Thiazole, 2-(1-methy	
19968-51-5	20
Ethanone, 1-(2-pheny	
10045-50-8	20
1H-Indole, 3-methyl-	
55638-43-2	20
1H-Pyrazolo[3,4-d]py	
34257-68-6	15
Butanoic acid, 2-(me	
55493-93-1	15
4H-Pyrido[1,2-a]pyri	
57773-19-0	13



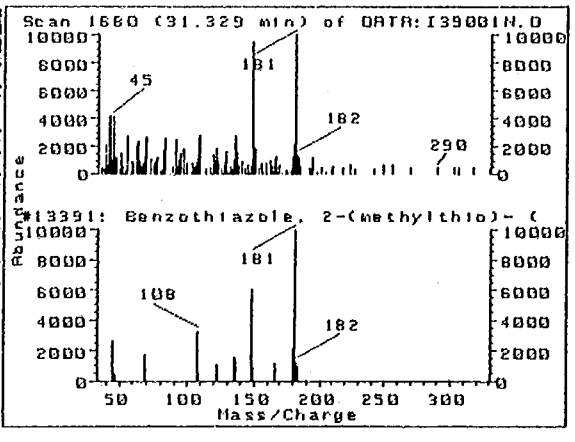
Entry# = 17003 CAS Num = 00483-63-6
Company ID Num = NBS 9/85
Mol.Weight = 203.130 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butenamide, N-ethyl-N-(2-methylphenyl)- (9CI)

Mol. Formula =
C13H17NO

Misc. Info. =
Drugs; Pesticides;

24

Benzothiazole, 2-(me	
00615-22-5	65
Benzo[b]thiophene, 6	
16587-47-6	15
2(3H)-Benzofuranone,	
32267-71-3	15
Benzo[b]thiophene, 5	
14315-14-1	15
3(2H)-Benzofuranone,	
54120-66-0	15
3(2H)-Benzofuranone,	
20875-41-4	15
1,2,4-Benzenetricarb	
00528-44-9	15
Benzenamine, N-(phen	
00538-51-2	15
Carbamic acid, (3-me	
51422-77-6	12



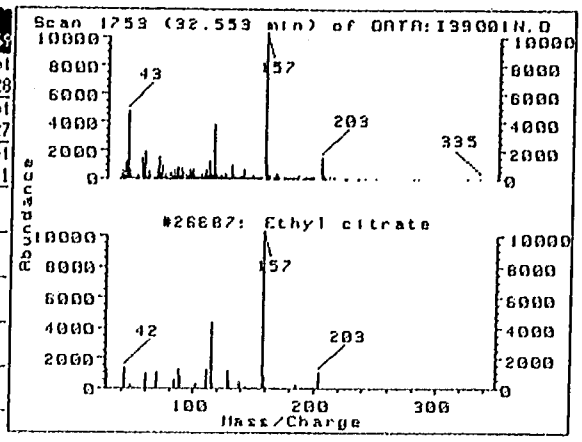
Entry# = 13391 CAS Num = 00615-22-5
Company ID Num = NBS 9/85
Mol.Weight = 181.001 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole, 2-(methylthio)- (8CI9CI)

Mol. Formula =
C8H7NS2

Misc. Info. =

25

Ethyl citrate	
00077-93-0	58
Quinoline, 4,8-dimet	
13362-80-6	28
Quinoline, 2,6-dimet	
00877-43-0	27
Quinoline, 2,4-dimet	
01198-37-4	11



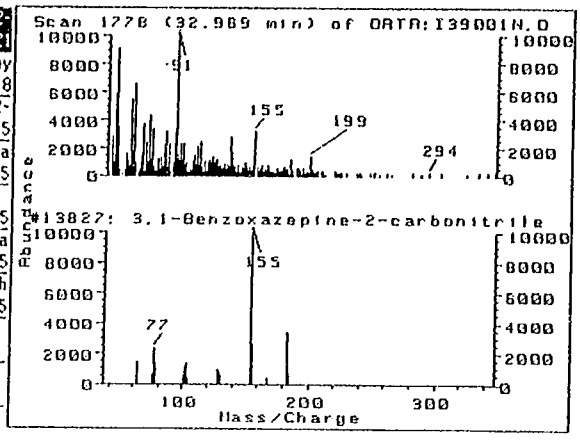
Entry# = 26687 CAS Num = 00077-93-0
Company ID Num = NBS 9/85
Mol.Weight = 276.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethyl citrate

Mol. Formula =
C12H2007

Misc. Info. =

26

3,1-Benzoxazepine-2-	
19062-87-4	21
Naphthalene, 2-methy	
54774-89-9	18
3,1-Benzoxazepine-2-	
19062-86-3	15
2-Naphthalenecarboxa	
13577-85-0	15
Naphthalene, 1,2(or	
74710-00-2	15
1-Naphthalenecarboxa	
03815-24-5	15
Propanamide, 2-(3-ch	
05825-87-6	15



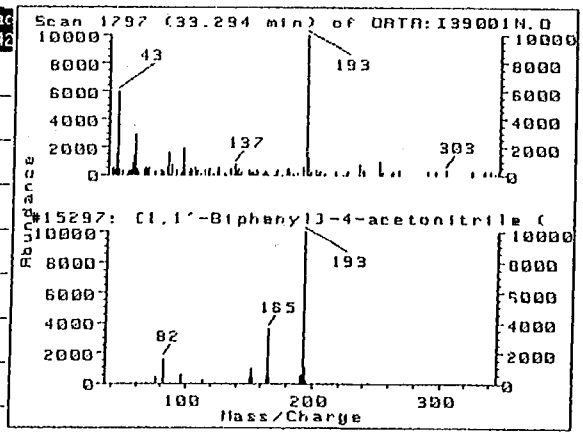
Entry# = 13827 CAS Num = 19062-87-4
Company ID Num = NBS 9/85
Mol.Weight = 184.063 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3,1-Benzoxazepine-2-carbonitrile, 7-methyl- (8CI)

Mol. Formula =
C11H8N2O

Misc. Info. =

27

[1,1'-Biphenyl]-4-ac	
31603-77-7	42



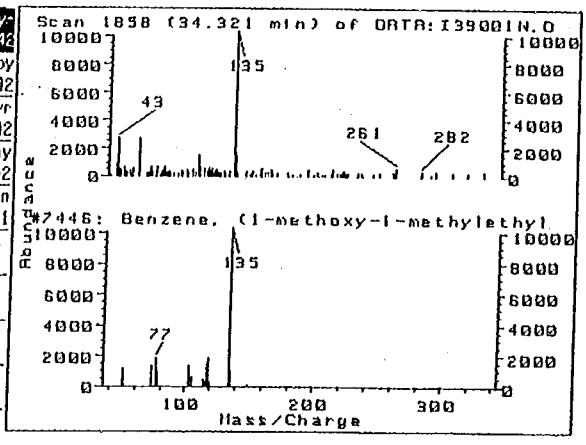
Entry# = 15297 CAS Num = 31603-77-7
Company ID Num = NBS 9/85
Mol.Weight = 193.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
[1,1'-Biphenyl]-4-acetonitrile (9CI)

Mol. Formula =
C14H11N

Misc. Info. =

28

Benzene, (1-methoxy-	
00935-67-1	42
1H-Pyrazolo[4,3-d]py	
13877-56-0	42
2H-Imidazo[4,5-b]pyr	
16328-62-4	42
Silane, (chloromethy	
01833-51-8	42
Thieno[3,2-c]pyridin	
00272-14-0	41



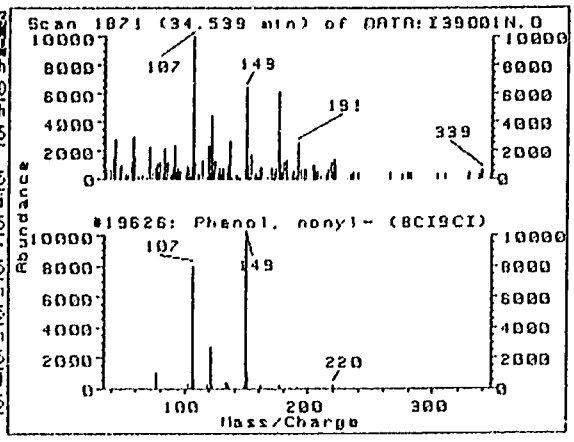
Entry# = 7446 CAS Num = 00935-67-1
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, (1-methoxy-1-methylethyl)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

29

Phenol, nonyl- (8Cl9	
25154-52-3	30
Acetamide, N-(3-meth	
00537-92-8	30
Acetamide, N-(2-meth	
00120-66-1	25
Benzeneacetic acid,	
00150-38-7	25
Benzenepropanoic aci	
51095-47-7	25
Acetamide, N-methyl-	
00579-10-2	25
Acetamide, N-(4-meth	
00103-89-9	25
Ethanol, 2-methoxyph	
72403-22-6	25
Phenol, 2-[(dimethyl	
55955-99-2	25



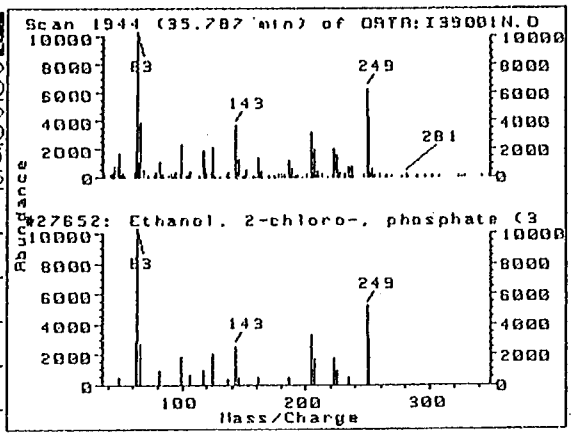
Entry# = 19626 CAS Num = 25154-52-3
Company ID Num = NBS 9/85
Mol.Weight = 220.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, nonyl- (8CI9CI)

Mol. Formula =
C15H24O

Misc. Info. =
Pesticides;

30

Ethanol, 2-chloro-,	
00115-96-8	79
Butane, 2,3-dichloro	
02211-67-8	20
Butane, 2,3-dichloro	
04028-56-2	20
Ethanedioyl dichlori	
00079-37-8	15



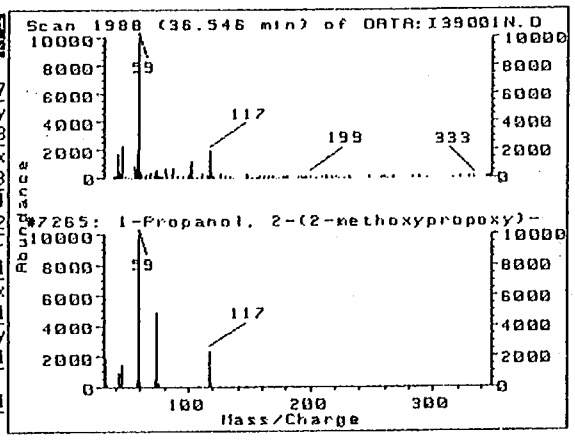
Entry# = 27652 CAS Num = 00115-96-8
Company ID Num = NBS 9/85
Mol.Weight = 283.953 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-chloro-, phosphate (3:1) (8CI9CI)

Mol. Formula =
C6H12Cl3O4P

Misc. Info. =

31

1-Propanol, 2-(2-met	
13588-28-8	52
Pentane, 2-methoxy-	
06795-88-6	47
Propanoic acid, 2-hy	
02110-78-3	38
1-Propanol, 2-methox	
01589-47-5	33
Butanamide, 3-methyl	
00541-46-8	32
Butane, 2-methoxy-3-	
62016-49-3	31
2-Butanone, 3-hydrox	
00115-22-0	31
Pentanamide, 4-methy	
01119-29-5	31
Dodecanamide (9CI)	
01120-16-7	31



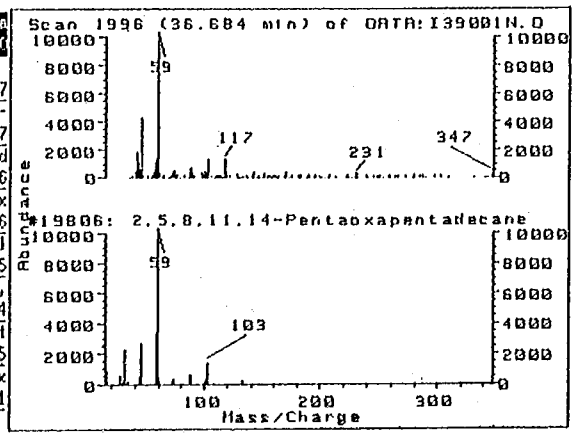
Entry# = 7265 CAS Num = 13588-28-8
Company ID Num = NBS 9/85
Mol.Weight = 148.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-methoxypropoxy)- (8CI9CI)

Mol. Formula =
C7H16O3

Misc. Info. =

32

2,5,8,11,14-Pentaoxa	
00143-24-8	40
Pentanamide (9CI)	
00626-97-1	27
Butane, 2-methoxy-3-	
62016-49-3	27
Butanoic acid, 2-hyd	
29674-47-3	26
2-Butanone, 3-hydrox	
00115-22-0	26
Butanamide, 3-methyl	
00541-46-8	25
Acetic acid, cyano-,	
00105-34-0	24
Ethene, (2-methoxyet	
01663-35-0	15
Ethanol, 2-(2-methox	
00111-77-3	11

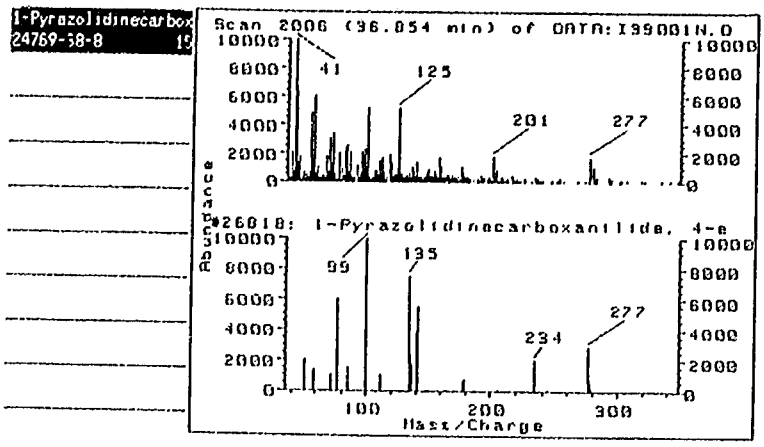


Entry# = 19806 CAS Num = 00143-24-8
Company ID Num = NBS 9/85
Mol.Weight = 222.146 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11,14-Pentaoxapentadecane (8CI9CI)

Mol. Formula =
C10H22O5

Misc. Info. =
Carbohydrates;

33

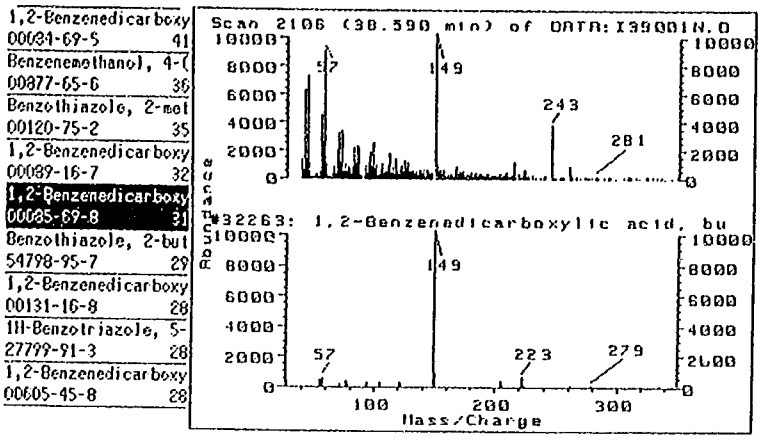


Entry# = 26818 CAS Num = 24769-38-8
Company ID Num = NBS 9/85
Mol.Weight = 277.160 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Pyrazolidinecarboxanilide, 4-ethyl-3-propylthio- (8CI)

Mol. Formula =
C15H23N3S

Misc. Info. =

34

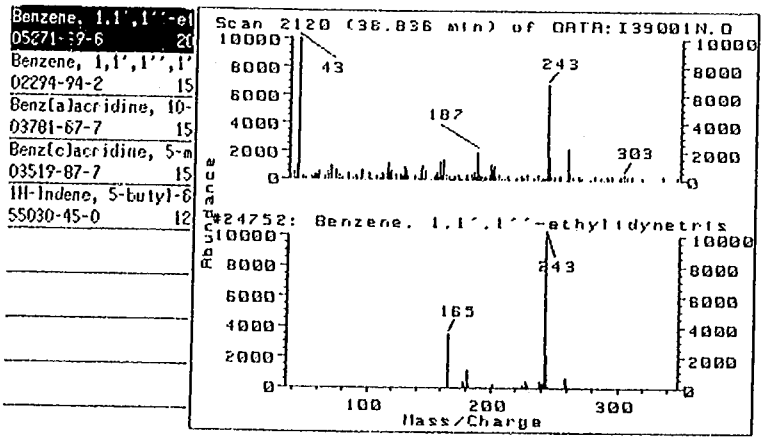


Entry# = 32263 CAS Num = 00085-69-8
Company ID Num = NBS 9/85
Mol.Weight = 334.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl es ter (9CI)

Mol. Formula =
C20H30O4

Misc. Info. =

35

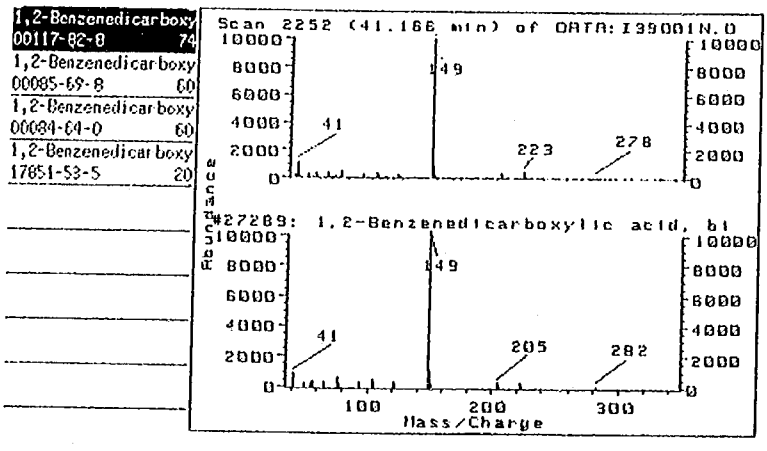


Entry# = 24752 CAS Num = 05271-39-6
Company ID Num = NBS 9/85
Mol.Weight = 258.140 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, 1,1',1''-ethylidynetris- (9CI)

Mol. Formula =
C20H18

Misc. Info. =

36



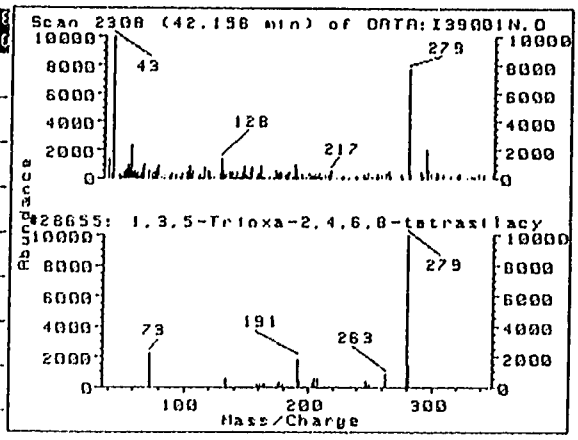
Entry# = 27269 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) e ster (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

37

1,3,5-Trioxa-2,4,6,8
19939-05-0 36



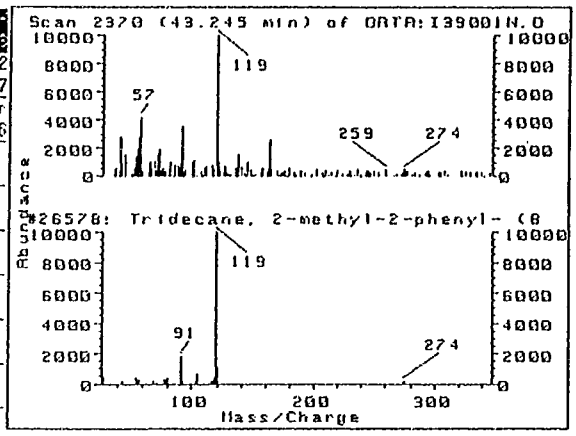
Entry# = 28655 CAS Num = 19939-05-0
Company ID Num = NBS 9/85
Mol.Weight = 294.095 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,3,5-Trioxa-2,4,6,8-tetrasilacyclooctane, 2,2,4,4, 6,6,8,8-octamethyl- (8CI9CI)

Mol. Formula =
C8H24O3Si4

Misc. Info. =

38

Tridecane, 2-methyl-
27854-41-7 43
Benzene, 1,1'-(1,1,2
01889-67-4 37
Benzonitrile, 4-hydr
00767-00-0 36



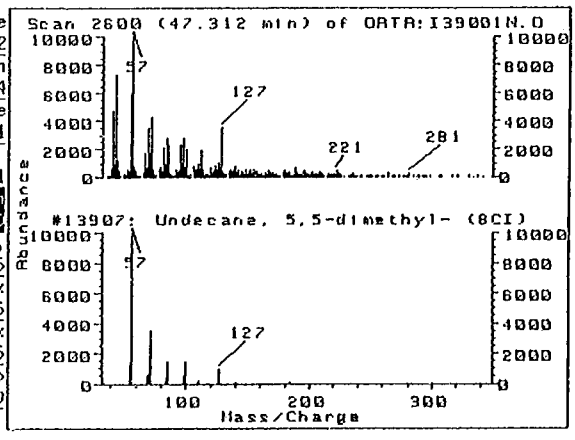
Entry# = 26578 CAS Num = 27854-41-7
Company ID Num = NBS 9/85
Mol.Weight = 274.265 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Tridecane, 2-methyl-2-phenyl- (8CI)

Mol. Formula =
C20H34

Misc. Info. =

39

Cyclohexanone, 3-ace
35942-13-3 42
1-Oxaspiro[2.5]octan
06975-17-3 34
Butanedioic acid, me
00617-52-7 31
Thiazole, 5-propyl-
52414-82-1 31
Undecane, 5,5-dimeth
17312-73-1 30
2-Pentenedioic acid,
05164-76-1 25
Pyrrolidine, 1-(1-ox
04553-05-3 25
2H-Azepin-2-one, hex
03623-05-0 25
2-Pyrrolidinone, 1-o
07425-87-8 20



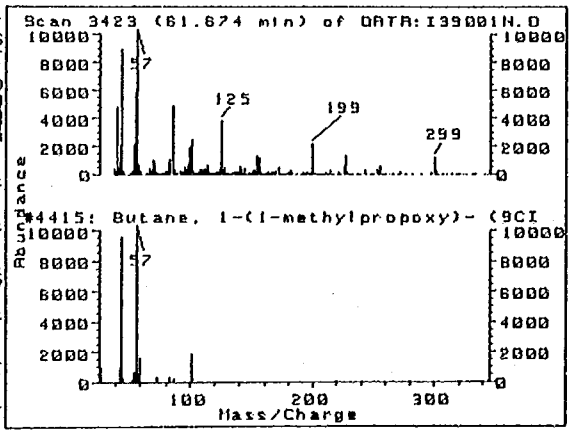
Entry# = 13907 CAS Num = 17312-73-1
Company ID Num = NBS 9/85
Mol.Weight = 184.218 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Undecane, 5,5-dimethyl- (8CI)

Mol. Formula =
C13H28

Misc. Info. =

40

Oxirane, 2-methyl-3-
06124-90-9 26
Butane, 2,2'-oxybis-
06863-58-7 20
Butane, 1-(1-methylp
00999-65-5 20
2-Heptanol (8CI9CI)
00543-49-7 11
2-Pentanol (8CI9CI)
06032-29-7 11
2-Propanol (ACN)(9CI
00067-63-0 11
2-Tetradecanol (8CI9
04706-81-4 11
1,2-Propanediol (8CI
00057-55-6 11
Propane, 2-chloro-1-
05390-71-6 11



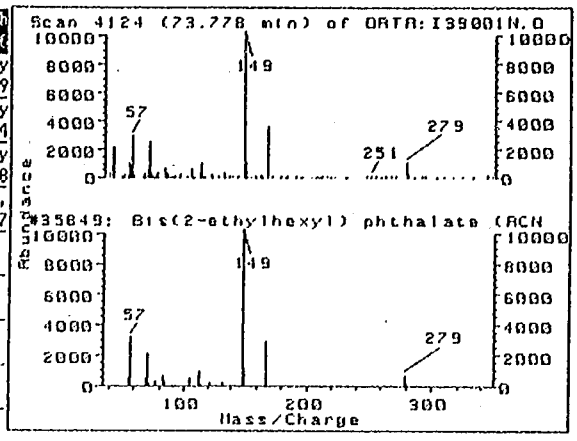
Entry# = 4415 CAS Num = 00999-65-5
Company ID Num = NBS 9/85
Mol.Weight = 130.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-(1-methylpropoxy)- (9CI)

Mol. Formula =
C8H18O

Misc. Info. =

41

Bis(2-ethylhexyl) ph	
00117-81-7	76
1,2-Benzenedicarboxy	
00603-11-2	59
1,2-Benzenedicarboxy	
00119-07-3	44
1,2-Benzenedicarboxy	
00131-16-8	28
Furo[3,2-b]pyridine,	
69022-83-9	27



Entry# = 35049 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

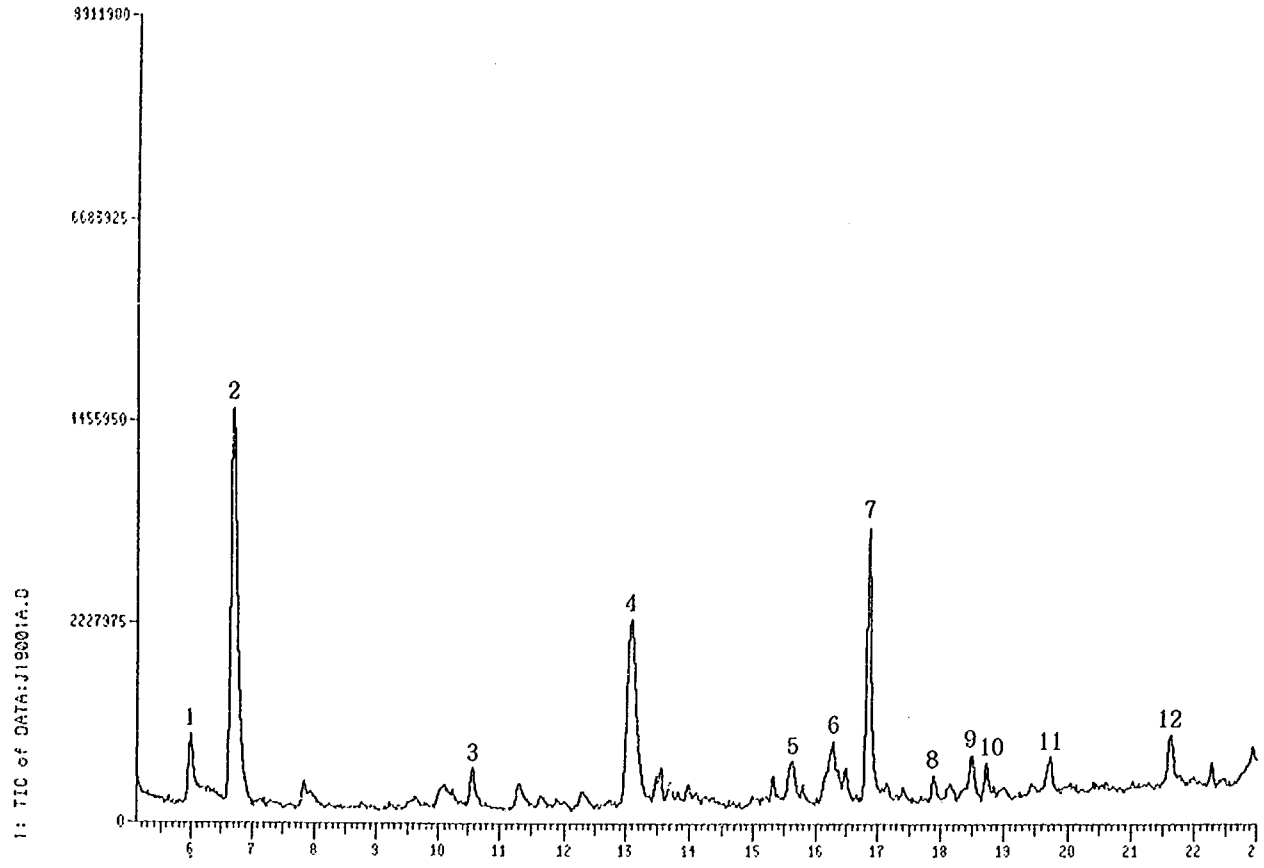
Misc. Info. =
Pesticides; Priority Pollutants;

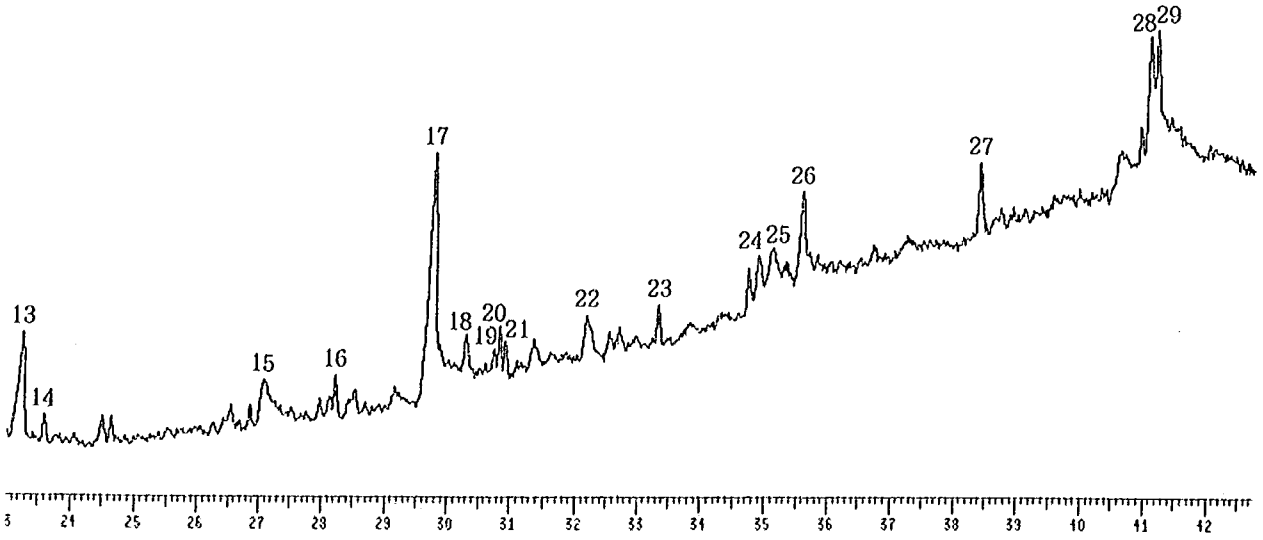
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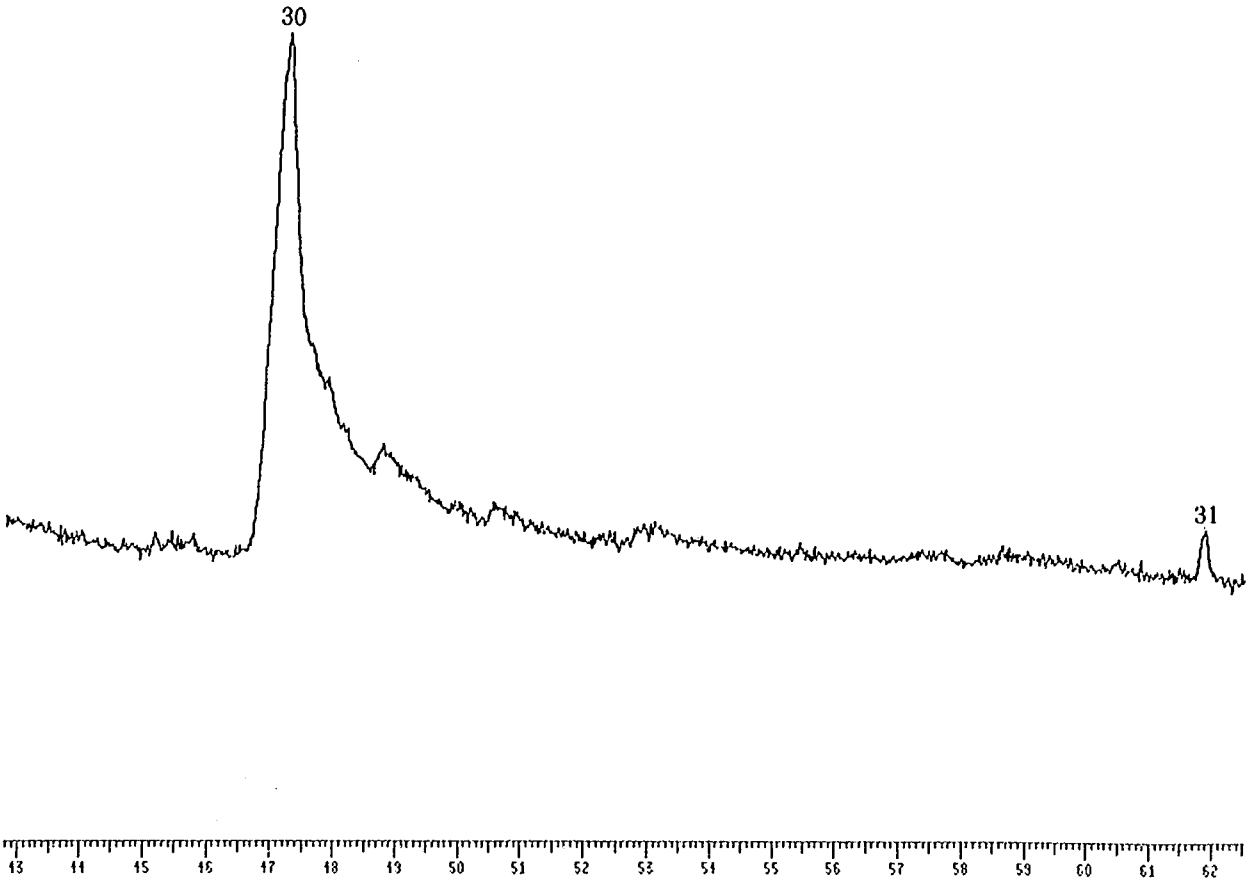
J 処理場　流入水　酸性分画

J19001A

No	Name
1	Hexanal
2	unknown
3	unknown
4	Phenol, 4-methyl-
5	Phenol, 2,3-dimethyl-
6	Octanoic acid
7	Ethanol, 2-(2-butoxyethoxy)-
8	Butane, 1-(2-methoxyethoxy)-
9	1,2-Benzisothiazole
10	unknown
11	Nonanoic acid
12	Phthalic anhydride
13	Decanoic acid
14	Butanoic acid,butyl ester
15	Benzoic acid, 2-hydroxy-, hydrazide
16	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
17	Glycine, N-methyl-N-(1-oxododecyl)-
18	1H-1midazole, 1-methyl-5-nitro-
19	Diethyl phthalate
20	unknown
21	unknown
22	unknown
23	2(3H)-Furanone, 5-heptyldihydro-
24	Dodecanamide, N-(2-hydroxyethyl)-
25	unknown
26	Tetradecanoic acid
27	Caffeine
28	Hexadecanoic acid
29	1,2-Benzenedicarboxylic acid, butyl cyclohexyl ester
30	9,17-Octadecadienal, (Z)-
31	unknown
32	Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl-
33	Bis(2-ethylhexyl) phthalate

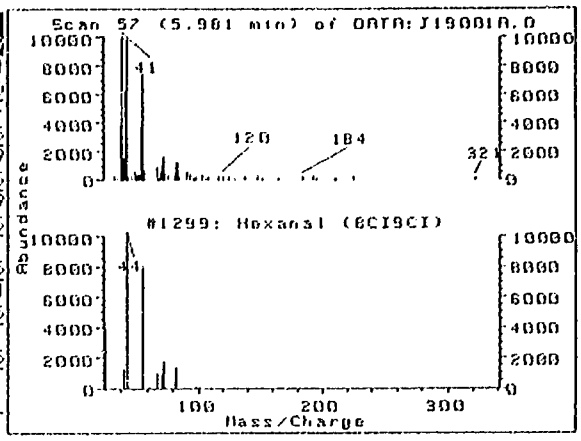

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43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62
32
33
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.00 minutes Chart speed = 1.24 cm/min

1

Hexanal (8CI,9CI)	
00066-25-1	79
Formic acid, ethenyl	
00692-45-5	20
1-Propene, 2-methyl-	
00115-11-7	15
2-Butene, (Z)- (8CI)	
00590-18-1	15
2-Butene, (E)- (8CI)	
00624-64-6	15
1-Hexene, 5-methyl-	
03524-73-0	15
Propane (DOT)(8CI,9CI)	
00074-98-6	15
1-Hexene, 2-methyl-	
06094-02-6	15



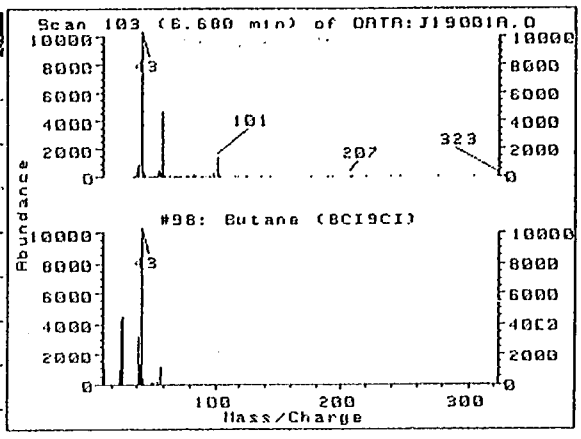
Entry# = 1299 CAS Num = 00066-25-1
Company ID Num = NBS 9/85
Mol.Weight = 100.089 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexanal (8CI,9CI)

Mol. Formula =
C6H12O

Misc. Info. =

2

Butane (8CI,9CI)	
00106-97-8	28



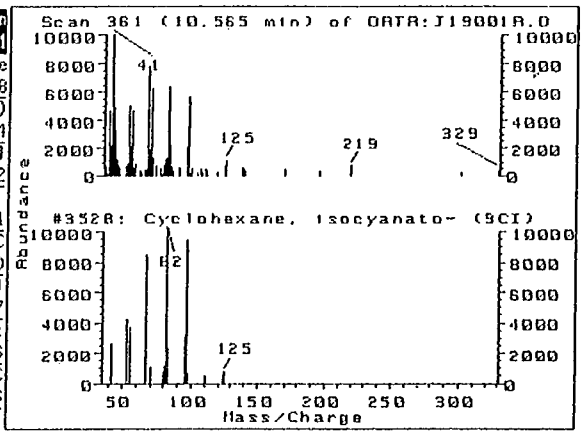
Entry# = 98 CAS Num = 00106-97-8
Company ID Num = NBS 9/85
Mol.Weight = 58.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane (8CI,9CI)

Mol. Formula =
C4H10

Misc. Info. =
Pesticides;

3

Cyclohexane, isocyan	
03173-53-3	41
Bicyclo[3.1.0]hexane	
00285-58-5	38
Cyclohexene (8CI,9CI)	
00110-83-8	34
Cyclobutane, ethenyl	
02597-49-1	32
4-Nonyn-1-ol (9CI)	
49826-98-4	31
1,5-Hexadiene (8CI,9C	
00592-42-7	30
Cyclooctane, ethenyl	
61142-41-4	27
3-Hexen-1-ol, acetat	
03681-82-1	26
2,4-Hexadiene (8CI,9C	
00592-46-1	26



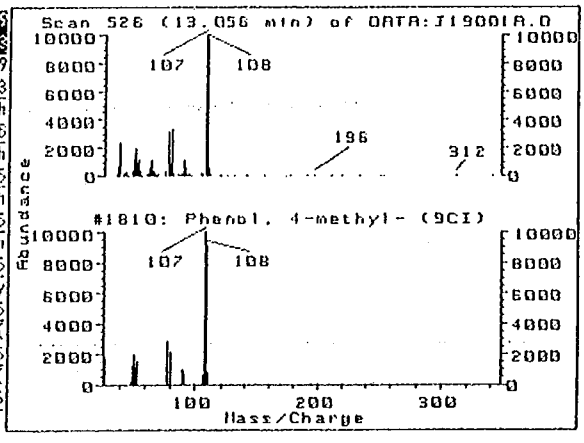
Entry# = 3528 CAS Num = 03173-53-3
Company ID Num = NBS 9/85
Mol.Weight = 125.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexane, isocyanato- (9CI)

Mol. Formula =
C7H11NO

Misc. Info. =

4

Phenol, 4-methyl- (9	
00106-44-5	83
Phenol, 3-methyl- (9	
00108-39-4	73
Pyridine, 2,4-dimeth	
00108-47-4	26
Pyridine, 3,4-dimeth	
00583-58-4	25
Pyridine, 2,5-dimeth	
00589-93-5	25
Pyridine, 3,5-dimeth	
00591-22-0	25
Benzenamine, 3-methy	
00108-44-1	25
1,2-Benzenediamine (	
00095-54-5	25
Pyridine, 4-ethyl- (	
00536-75-4	25



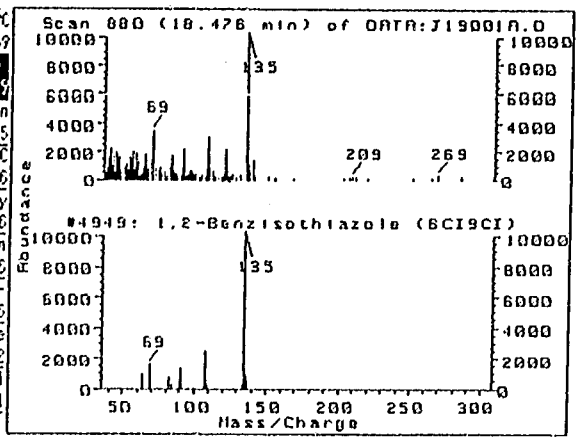
Entry# = 1810 CAS Num = 00106-44-5
Company ID Num = NBS 9/85
Mol.Weight = 108.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 4-methyl- (9CI)

Mol. Formula =
C7H8O

Misc. Info. =
Pesticides;

9

Benzothiazole (8C)9C	
00095-16-9	69
1,2-Benzisothiazole	
00272-16-2	59
Thieno(3,2-c)pyridin	
00272-14-0	45
5'-Adenylic acid (8C	
00061-19-8	36
1H-Pyrazolo[4,3-d]py	
13877-56-0	36
Thieno(2,3-c)pyridin	
00272-12-8	36
Benzamide, 2-methyl-	
00527-85-5	36
Thiocyanic acid, phe	
05285-87-0	32
2,1-Benzisoxazol-3(1	
31499-90-8	31



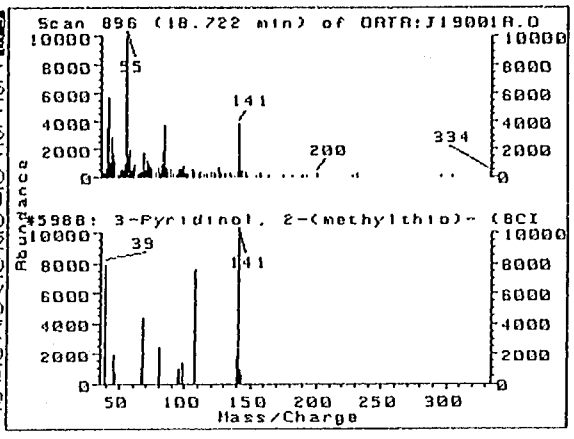
Entry# = 4949 CAS Num = 00272-16-2
Company ID Num = NBS 9/85
Mol.Weight = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzisothiazole (8CI9CI)

Mol. Formula =
C7H5NS

Misc. Info. =

10

3-Pyridinol, 2-(meth	
32637-37-9	28
Benzene, 1-fluoro-3-	
00402-67-5	25
Benzene, 1-fluoro-4-	
00350-46-9	25
1,3-Disilacyclopent-	
05927-28-6	20
Cyclopropanecarboxyl	
74753-02-9	20
Acetamide, N-ethyl-2	
01682-66-2	20
Thiazole, 2,5-diethy	
15729-76-7	20
2-Propanethione, 1-(	
54031-27-5	20
Morpholine, 4-(2-met	
02403-55-6	20



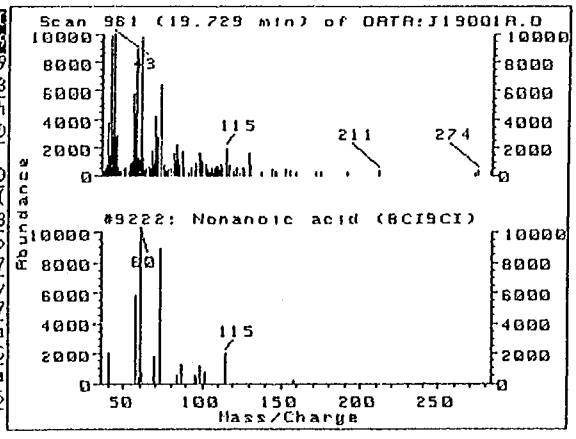
Entry# = 5988 CAS Num = 32637-37-9
Company ID Num = NBS 9/85
Mol.Weight = 141.024 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Pyridinol, 2-(methylthio)- (8CI9CI)

Mol. Formula =
C6H7NOS

Misc. Info. =

11

Nonanoic acid (8C)9C	
00112-05-0	76
Heptanoic acid (8C)9	
00111-14-8	33
Isoxazolidine, 5-eth	
56728-14-4	30
Hexanamide (8C)9C))	
00628-02-4	30
Hexanoic acid (DOT)(	
00142-62-1	28
Hexanoic acid, 6-bro	
04224-70-8	27
D-Galactose, 6-deoxy	
03615-37-0	27
Propanoic acid, 2-(a	
02786-22-3	26
1,2,3,4,5-Cyclopenta	
56772-25-9	25



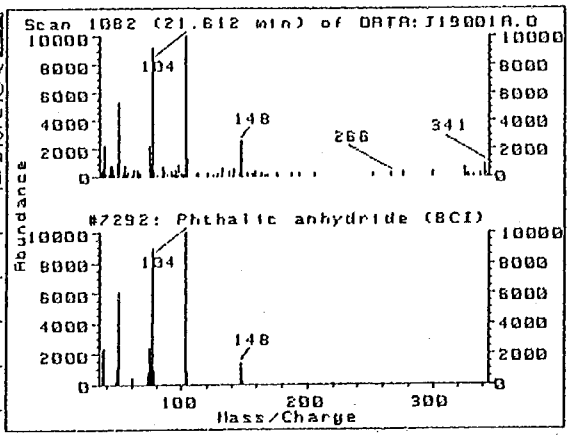
Entry# = 9222 CAS Num = 00112-05-0
Company ID Num = NBS 9/85
Mol.Weight = 158.130 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Nonanoic acid (8CI9CI)

Mol. Formula =
C9H18O2

Misc. Info. =
Fatty acids and Lipids; Pesticides;

12

Phthalic anhydride (	
00085-44-9	81
1,2-Benzenedicarboxy	
00088-99-3	70
Acetonitrile, triflu	
00353-85-5	25
3H-2-Benzopyran-3-on	
04385-35-7	11



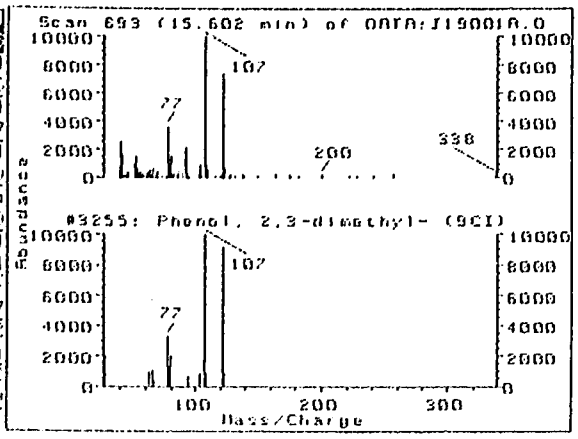
Entry# = 7292 CAS Num = 00085-44-9
Company ID Num = NBS 9/85
Mol.Weight = 148.015 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phthalic anhydride (8CI)

Mol. Formula =
C8H4O3

Misc. Info. =
Carbohydrates; Pesticides;

5

Phenol, 2,3-dimethyl	
00526-75-0	78
Phenol, 2,5-dimethyl	
00095-87-4	70
Phenol, 3,5-dimethyl	
00108-68-9	67
Phenol, 2,6-dimethyl	
00576-26-1	60
Cyclopentane, 1-meth	
73913-74-3	60
Phenol, 2,4-dimethyl	
00105-67-9	51
Hydrazine, 1-methyl-	
00618-40-6	47
Benzene, 1-methoxy-2	
00578-58-5	41
Phenol, 3-ethyl- (9C	
00620-17-7	40



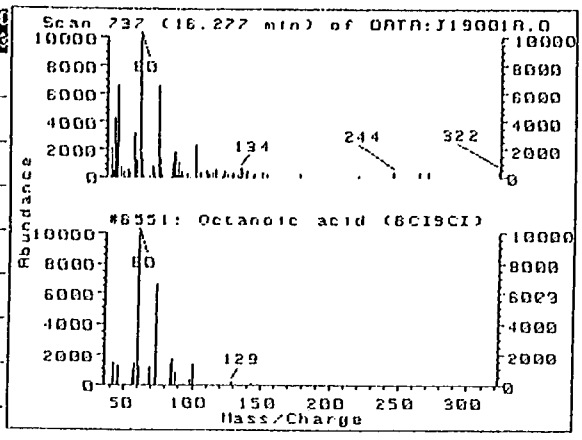
Entry# = 3255 CAS Num = 00526-75-0
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,3-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =
Pesticides;

6

Octanoic acid (8C19C	
00124-07-2	63



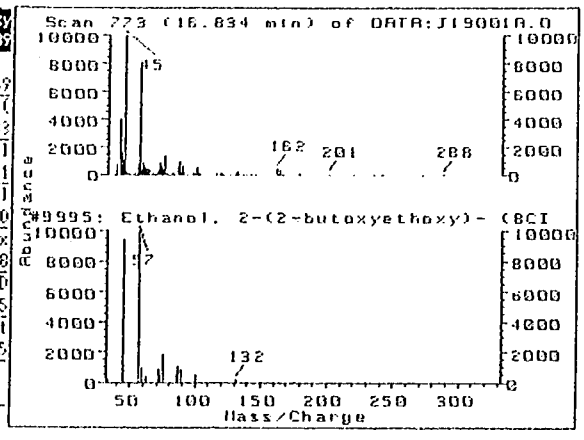
Entry# = 6551 CAS Num = 00124-07-2
Company ID Num = NBS 9/85
Mol.Weight = 144.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Octanoic acid (8C19CI)

Mol. Formula =
C8H16O2

Misc. Info. =
Pesticides;

7

Ethanol, 2-(2-butoxy	
00112-34-5	89
2-Hexanol (8C19CI)	
00626-93-7	39
Butane, 1-methoxy- (	
00628-28-4	33
1,2-Propanediol (8C)	
00057-55-6	31
2-Propanol (UCH)(9C)	
00067-63-0	30
Acetaldehyde, methox	
10312-83-1	28
Diisopropyl ether (D	
00108-20-3	15
2-Butanol, 3,3-dimet	
00464-07-3	15



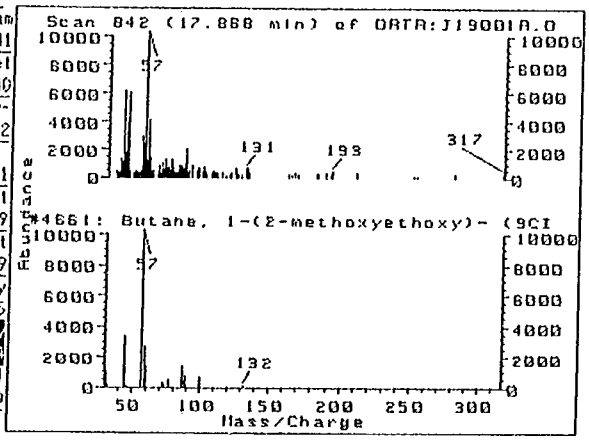
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8C19CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

8

Butanoic acid, 2-(am	
04385-95-9	41
Butanoic acid, 4-met	
29006-02-8	40
Propanal, 2-hydroxy-	
20818-81-9	32
Formic acid, propyl	
00110-74-7	31
2-Propanol, 1-(1-met	
53907-95-2	29
Carbonic acid, dimet	
00616-38-6	29
2-Propanol, 1-butoxy	
05131-66-8	25
Butane, 1-(2-methoxy	
13343-98-1	24
Propane, 2,2'-[ethyl	
04285-59-0	20



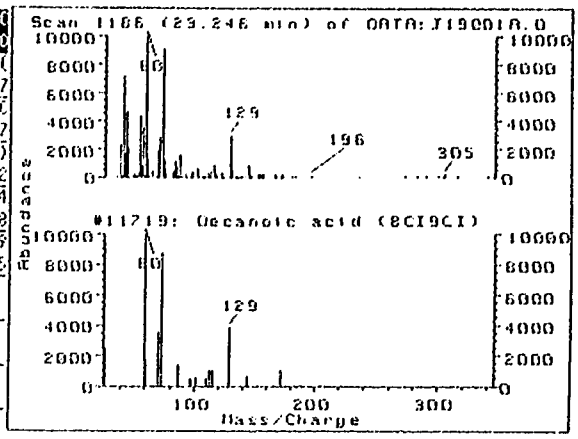
Entry# = 4661 CAS Num = 13343-98-1
Company ID Num = NBS 9/85
Mol.Weight = 132.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-(2-methoxyethoxy)- (9CI)

Mol. Formula =
C7H16O2

Misc. Info. =

13

Decanoic acid (8CI9C	
00334-48-5	60
Hexanoic acid (OCT)(	
00142-62-1	37
Octanoic acid (8CI9C	
00124-07-2	37
Pentanoic acid (9CI)	
00109-52-4	32
2H-1,2-Oxazine, 6-(4	
15769-91-2	28
Heptanoic acid (8CI9	
00111-14-8	15



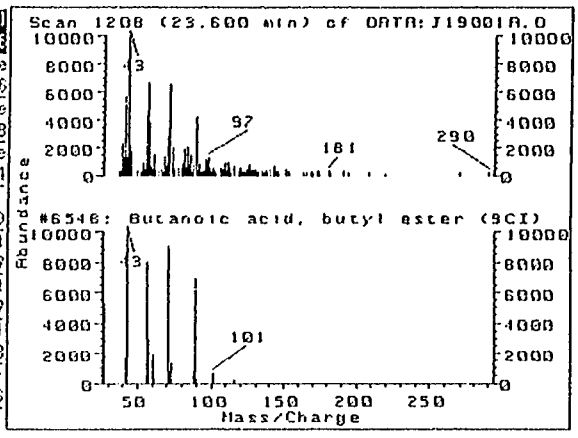
Entry# = 11719 CAS Num = 00334-48-5
Company ID Num = NBS 9/85
Mol.Weight = 172.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Decanoic acid (8CI9CI)

Mol. Formula =
C10H20O2

Misc. Info. =

14

Butanoic acid, butyl	
00109-21-7	78
Propanoic acid, 2-me	
00097-87-0	46
Propanoic acid, 2-me	
74367-31-0	38
Methylamine, N-(1-me	
22058-71-5	34
Ethane, isocyanato-	
00109-90-0	30
Butanoic acid, 2-met	
00539-90-2	29
Butanoic acid, 1-met	
00819-97-6	29
Butanoic acid, hexyl	
02639-63-6	28
Azetidine, 1-methyl-	
04923-79-9	26



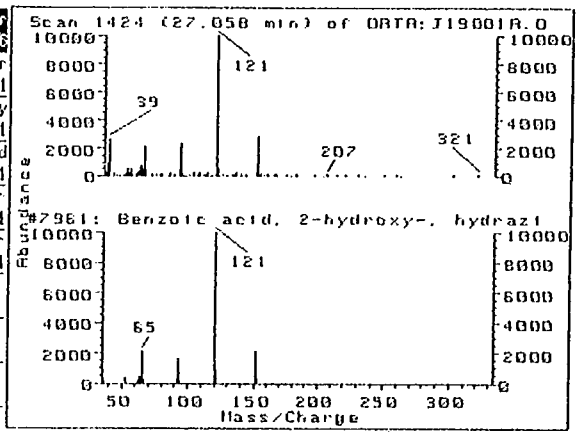
Entry# = 6548 CAS Num = 00109-21-7
Company ID Num = NBS 9/85
Mol.Weight = 144.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butanoic acid, butyl ester (9CI)

Mol. Formula =
C8H16O2

Misc. Info. =

15

Benzoic acid, 2-hydr	
00936-02-7	66
Benzoic acid, 4-hydr	
05351-23-5	51
1-Pentanone, 1-(4-hy	
02589-71-1	31
1-Butanone, 1-(4-hyd	
01009-11-6	31
Benzoic acid, 4-hydr	
00099-76-3	11
Benzoic acid, 3-hydr	
19438-10-9	11



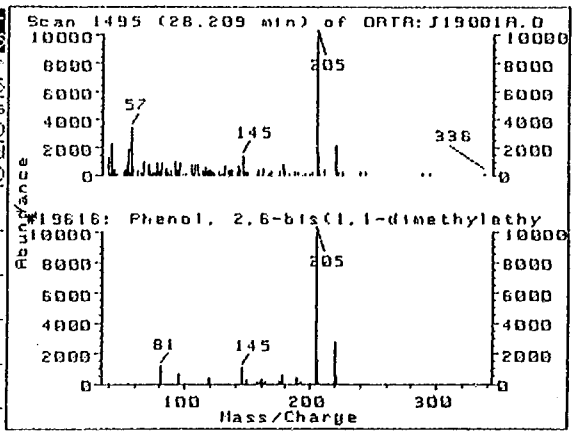
Entry# = 7961 CAS Num = 00936-02-7
Company ID Num = NBS 9/85
Mol.Weight = 152.058 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 2-hydroxy-, hydrazide (9CI)

Mol. Formula =
C7H8N2O2

Misc. Info. =

16

Phenol, 2,6-bis(1,1-	
00128-37-0	66
2-Phenazinecarbonitr	
06479-93-2	35
1,3-Dioxa-2,4,6-tris	
17945-19-6	30
Pyrido[3,2-d]pyrimid	
16953-81-4	30



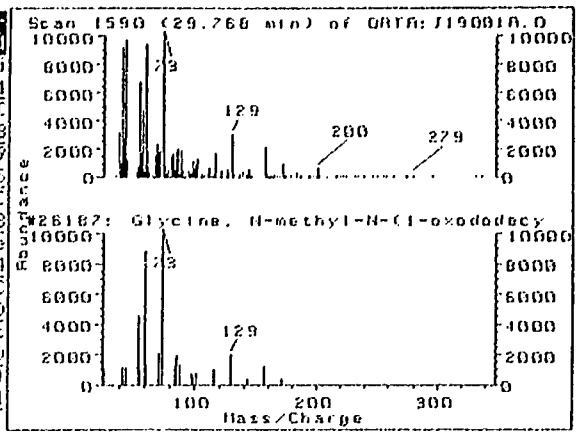
Entry# = 19616 CAS Num = 00128-37-0
Company ID Num = NBS 9/85
Mol.Weight = 220.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (9CI)

Mol. Formula =
C15H24O

Misc. Info. =
Drugs; Pesticides;

17

Glycine, N-methyl-N-	
00097-78-9	71
Dodecanamide, N,N-bi	
00120-40-1	71
Nonanoic acid (8CI)(9C	
00112-05-0	48
Heptanoic acid (8CI)(9	
00111-14-8	46
Octanoic acid (8CI)(9C	
00124-07-2	38
Decanoic acid, silve	
13126-67-5	34
Acetic acid (ACN)(8C	
00064-19-7	30
Butyraldehyde, semic	
13183-21-6	30
Dodecanoic acid (9C)	
00143-07-7	21



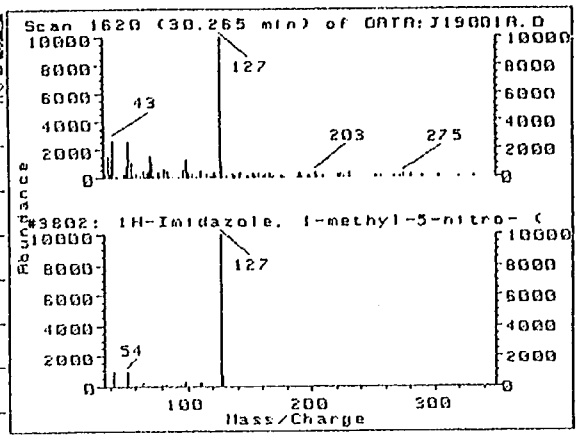
Entry# = 26187 CAS Num = 00097-78-9
Company ID Num = NBS 9/85
Mol.Weight = 271.214 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Glycine, N-methyl-N-(1-oxododecyl)- (9CI)

Mol. Formula =
C15H29NO3

Misc. Info. =
Amino Acids;

18

1H-Imidazole, 1-meth	
03034-42-2	48
1H-Imidazole, 4-meth	
14003-66-8	42



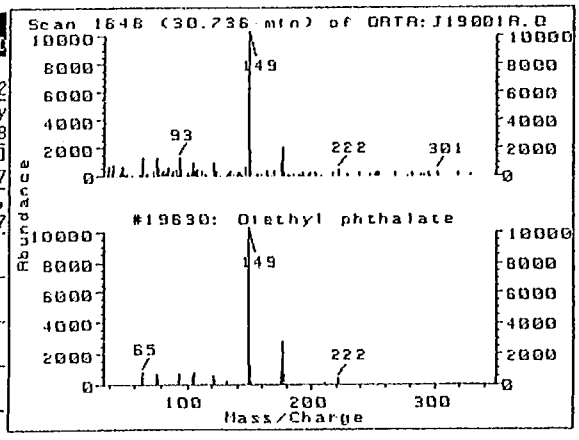
Entry# = 3802 CAS Num = 03034-42-2
Company ID Num = NBS 9/85
Mol.Weight = 127.038 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Imidazole, 1-methyl-5-nitro- (9CI)

Mol. Formula =
C4H5N3O2

Misc. Info. =
Alkaloids;

19

Diethyl phthalate	
00084-66-2	50
Nitrofurantoin	
00067-20-9	42
1,2-Benzenedicarboxy	
00131-16-8	28
1H-s-Triazolo[1,5-a]	
13980-64-8	27
1,2-Benzisothiazole,	
06187-89-9	27



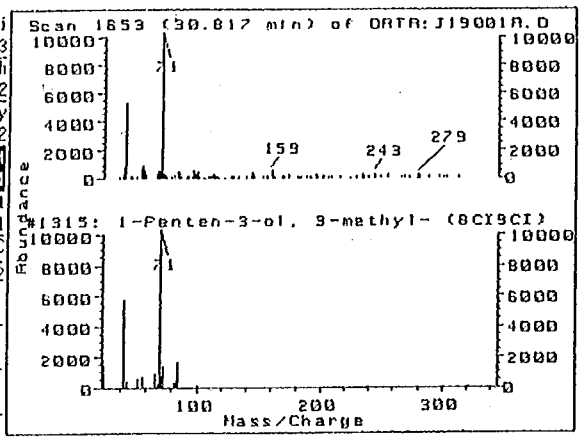
Entry# = 19830 CAS Num = 00084-66-2
Company ID Num = NBS 9/85
Mol.Weight = 222.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Diethyl phthalate

Mol. Formula =
C12H14O4

Misc. Info. =
Pesticides; Priority Pollutants;

20

2,6-Octadiene-4,5-di	
04486-59-3	43
Furan, 2-butyltetrah	
01004-29-1	42
Boronic acid, diethy	
07397-46-8	42
1-Penten-3-ol, 3-met	
00918-85-4	41
Borane, diethyl[1-et	
53670-48-7	41
Butenol, methyl- (9C	
60766-00-9	15



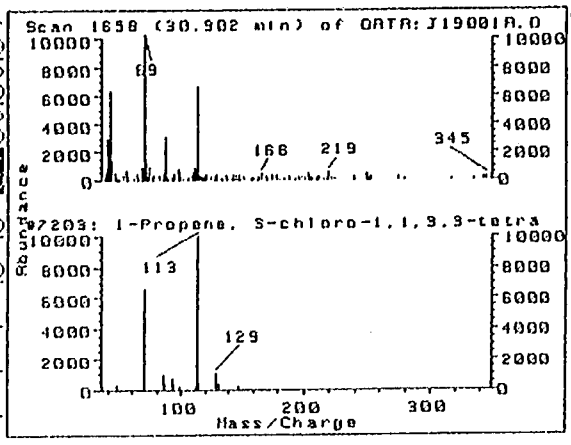
Entry# = 1315 CAS Num = 00918-85-4
Company ID Num = NBS 9/85
Mol.Weight = 100.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Penten-3-ol, 3-methyl- (8CI,9CI)

Mol. Formula =
C6H12O

Misc. Info. =

21

1H-Imidazole, 4-nitr	
03034-38-6	20
1H-Pyrazole, 4-nitro	
02075-46-9	20
Cyclohexane, 1-metho	
49833-93-4	20
1-Propene, 3-chloro-	
00406-46-2	20
Creatinine (VANOCI)	
00060-27-5	20
Azomycin	
00527-73-1	20



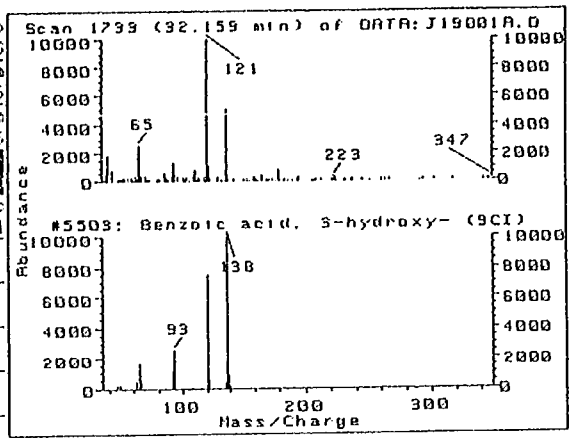
Entry# = 7203 CAS Num = 00406-46-2
Company ID Num = NBS 9/85
Mol.Weight = 147.970 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propene, 3-chloro-1,1,3,3-tetrafluoro- (9CI)

Mol. Formula =
C3HClF4

Misc. Info. =

22

Benzonitrile, 4-fluo	
01194-02-1	26
Benzenamine, N,3-dim	
00696-44-6	25
Pyridine, 2,4,6-trim	
00108-75-8	25
Benzoic acid, 3-hydr	
00099-06-9	20
3-Pyridinecarboxylic	
03167-49-5	11



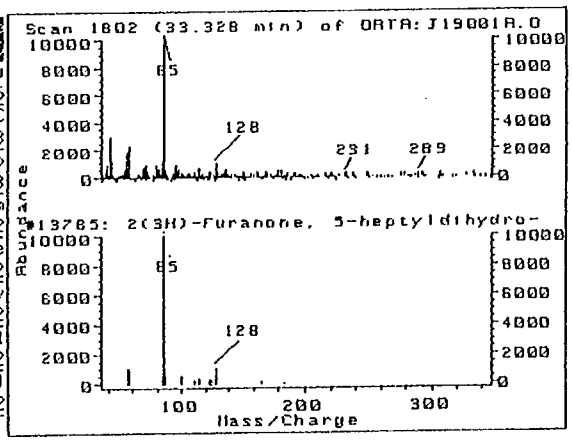
Entry# = 5503 CAS Num = 00099-06-9
Company ID Num = NBS 9/85
Mol.Weight = 138.031 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 3-hydroxy- (9CI)

Mol. Formula =
C7H6O3

Misc. Info. =

23

2(2H)-Furanone, 5-he	
00104-67-6	45
2(3H)-Furanone, 5-bu	
00104-50-7	45
Hexane, 3-bromo- (8C	
03377-87-5	43
Ethanone, 1-(1-hydro	
17160-89-3	43
Pentane, 3-bromo-3-m	
25346-31-0	42
2(3H)-Furanone, 5-he	
00706-14-9	42
2(3H)-Furanone, dihy	
00105-21-5	42
2(3H)-Furanone, 5-et	
00695-06-7	42
Hexane, 1,1'-(methyl	
54815-12-2	42



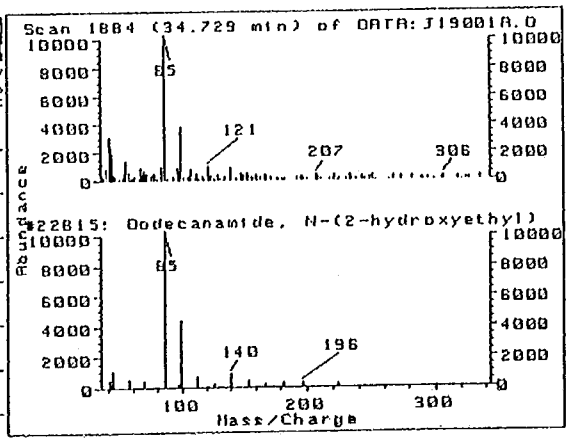
Entry# = 13785 CAS Num = 00104-67-6
Company ID Num = NBS 9/85
Mol.Weight = 184.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(3H)-Furanone, 5-heptyldihydro- (8C19CI)

Mol. Formula =
C11H20O2

Misc. Info. =

24

Dodecanamide, N-(2-h	
00142-78-9	60
2(3H)-Furanone, dihy	
18679-18-0	32



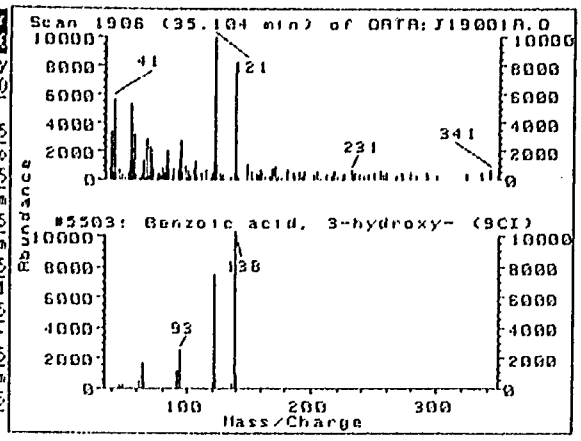
Entry# = 22815 CAS Num = 00142-78-9
Company ID Num = NBS 9/85
Mol.Weight = 243.219 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Dodecanamide, N-(2-hydroxyethyl)- (8C19CI)

Mol. Formula =
C14H29NO2

Misc. Info. =
Fatty acids and Lipids; Pesticides;

25

Benzoic acid, 3-hydr	
00099-06-9	2
Benzamide, 4-hydroxy	
75208-14-3	20
Benzeneacetic acid,	
01701-77-5	15
Benzonitrile, 4-fluo	
01194-02-1	15
Benzenamine, N,3-dim	
00696-44-6	15
Benzenamine, 2,4-dim	
00095-68-1	15
2,5-Cyclohexadiene-1	
00105-11-3	15
Benzene, 1-methyl-4-	
00623-13-2	15
Benzenamine, 2,3-dim	
00087-59-2	15



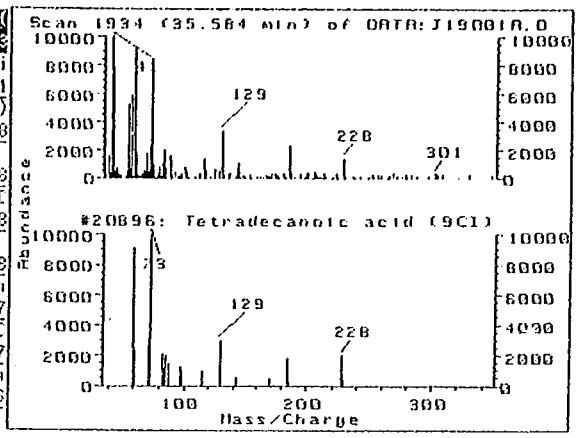
Entry# = 5503 CAS Num = 00099-06-9
Company ID Num = NBS 9/85
Mol.Weight = 138.031 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 3-hydroxy- (9CI)

Mol. Formula =
C7H6O3

Misc. Info. =

26

Tetradecanoic acid (	
00544-63-8	7
Dodecanamide, N,N-bi	
00120-40-1	31
Pentanoic acid (9CI)	
00109-52-4	28
Butanoic acid (9CI)	
00107-92-6	28
Octanoic acid (8CI)(9C	
00124-07-2	28
Hexanamide (8CI)(9CI)	
00628-02-4	28
Isoxazolidine, 4-eth	
56701-01-0	27
Nonanoic acid (8CI)(9C	
00112-05-0	27
Isoxazolidine, 5-eth	
56701-02-1	26



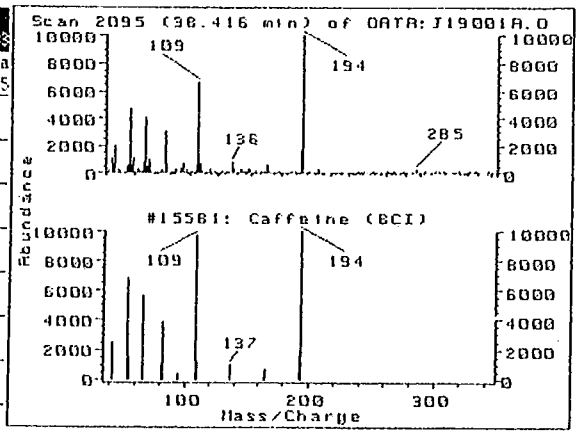
Entry# = 20896 CAS Num = 00544-63-8
Company ID Num = NBS 9/85
Mol.Weight = 228.208 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Tetradecanoic acid (9CI)

Mol. Formula =
C14H28O2

Misc. Info. =
Fatty acids and Lipids; Pesticides;

27

Caffeine (8CI)	
00058-08-2	88
3-Cyclohexene-1-buta	
69494-13-9	25



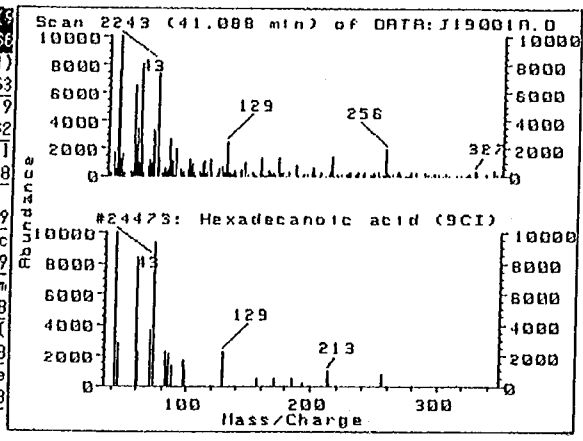
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

28

Hexadecanoic acid (9	
00057-10-3	66
Pentanoic acid (9CI)	
00109-52-4	63
Heptanoic acid (8CI)9	
00111-14-8	62
Dodecanoic acid, sil	
18268-45-6	38
Butanoic acid (9CI)	
00107-92-6	29
Butyraldehyde, semic	
13183-21-6	29
Imidodicarbonic diam	
02148-09-6	28
Hexanoic acid (DOT)(	
00142-62-1	28
Octanoic acid, silve	
24927-67-1	28



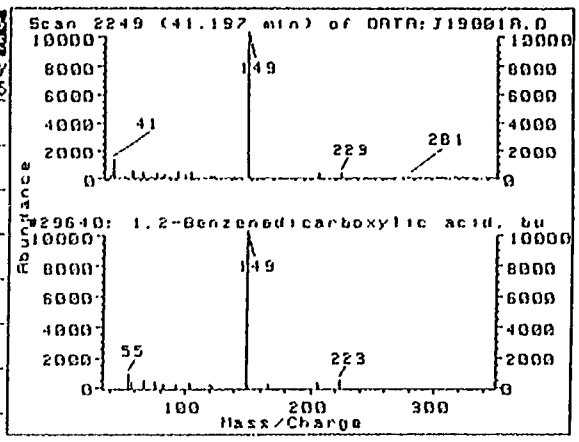
Entry# = 24473 CAS Num = 00057-10-3
Company ID Num = NBS 9/85
Mol.Weight = 256.239 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexadecanoic acid (9CI)

Mol. Formula =
C16H32O2

Misc. Info. =
Fatty acids and Lipids; Pesticides;

29

1,2-Benzenedicarboxy
00084-64-0 45
1,2-Benzenedicarboxy
00117-82-8 45



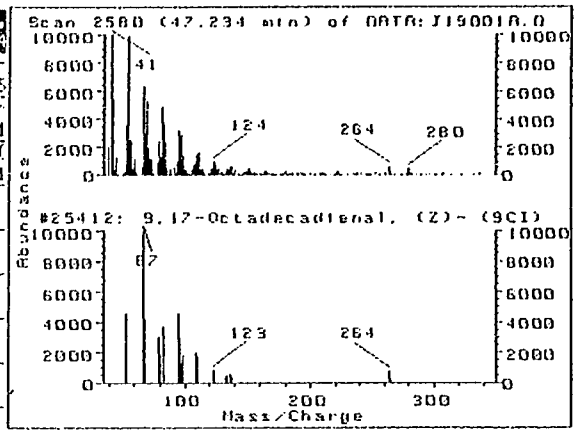
Entry# = 29640 CAS Num = 00084-64-0
Company ID Num = NBS 9/85
Mol.Weight = 304.166 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl cyclohexyl este
r (9CI)

Mol. Formula =
C18H2404

Misc. Info. =

30

9,17-Octadecadienal,
56554-35-9 64
Thiophene, 3-methyl-
59782-57-9 15
2H-Pyran-2-one, tetr
01227-51-6 11
10-Undecenoic acid (
00112-38-9 11



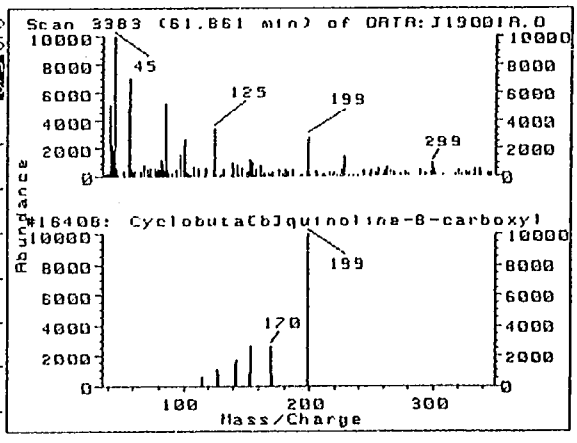
Entry# = 25412 CAS Num = 56554-35-9
Company ID Num = NBS 9/85
Mol.Weight = 264.244 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
9,17-Octadecadienal, (Z)- (9CI)

Mol. Formula =
C18H320

Misc. Info. =

31

2-Naphthalenepropano
57289-69-7 25
Cyclobuta[b]quinolin
13848-02-7 15



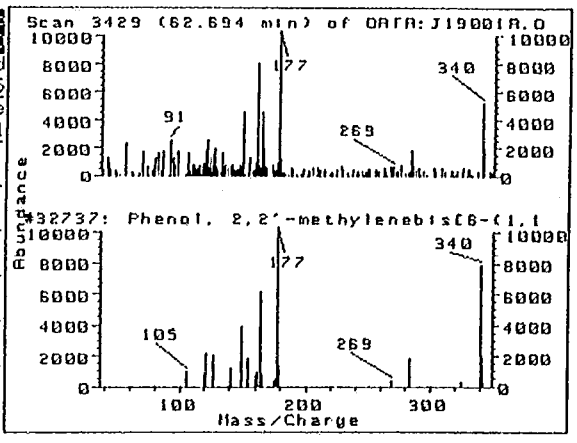
Entry# = 16406 CAS Num = 13848-02-7
Company ID Num = NBS 9/85
Mol.Weight = 199.063 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclobuta[b]quinoline-8-carboxylic acid, 1,2-dihydr
o- (8CI)

Mol. Formula =
C12H9N02

Misc. Info. =
Alkaloids;

32

Phenol, 2,2'-methyle
00119-47-1 50
Pyrido[3,2-d]pyrimid
03303-23-9 25
Phenol, 2,2'-methyle
55334-55-9 11



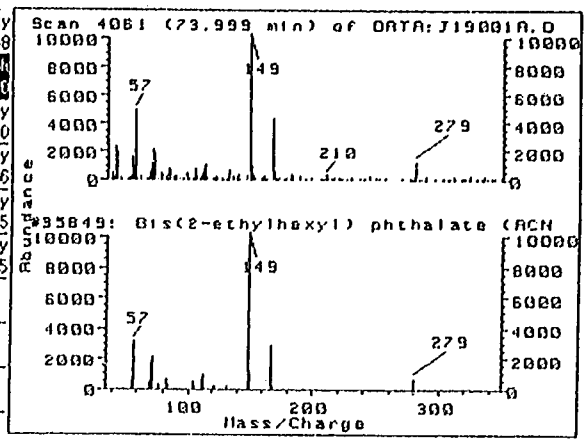
Entry# = 32737 CAS Num = 00119-47-1
Company ID Num = NBS 9/85
Mol.Weight = 340.239 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-m
ethyl- (9CI)

Mol. Formula =
C23H3202

Misc. Info. =

33

1,2-Benzenedicarboxy	
27554-26-3	58
Bis(2-ethylhexyl) ph	
00117-81-7	58
1,2-Benzenedicarboxy	
00603-11-2	30
1,2-Benzenedicarboxy	
17851-53-5	26
1,2-Benzenedicarboxy	
00117-82-8	25
1,2-Benzenedicarboxy	
00085-69-8	25



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

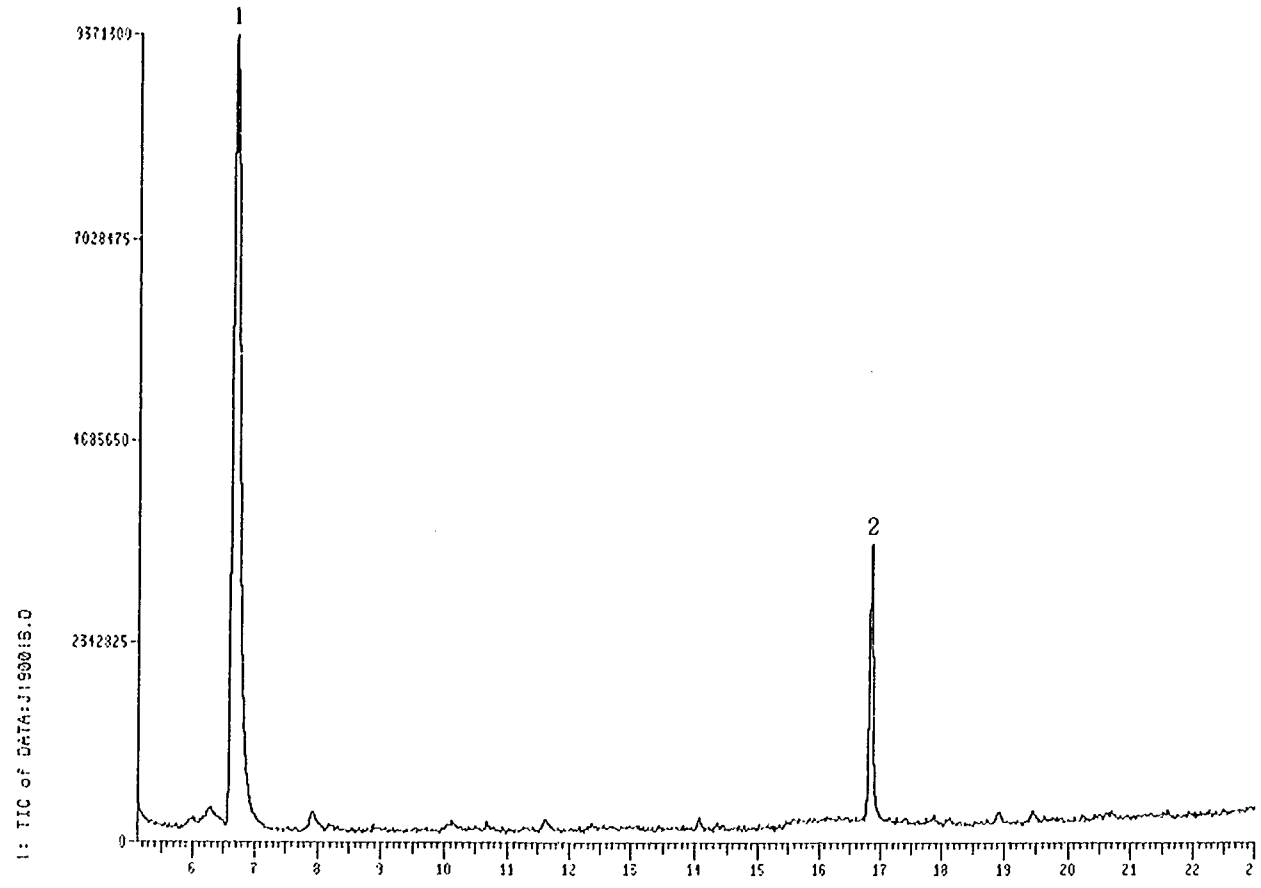
Misc. Info. =
Pesticides; Priority Pollutants;

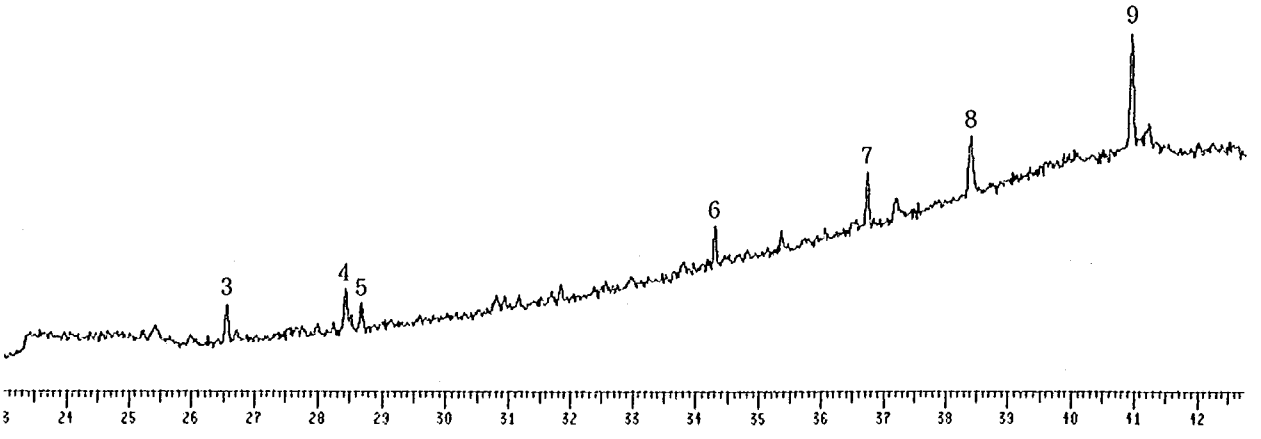
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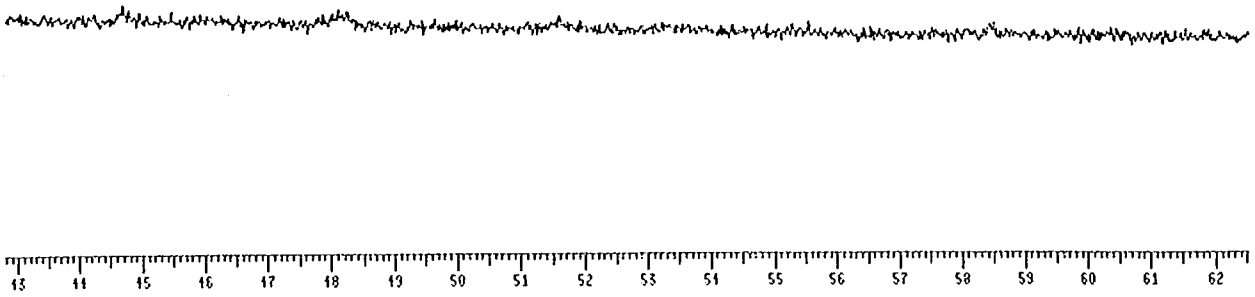
Ｊ処理場　流入水　塩基性分画

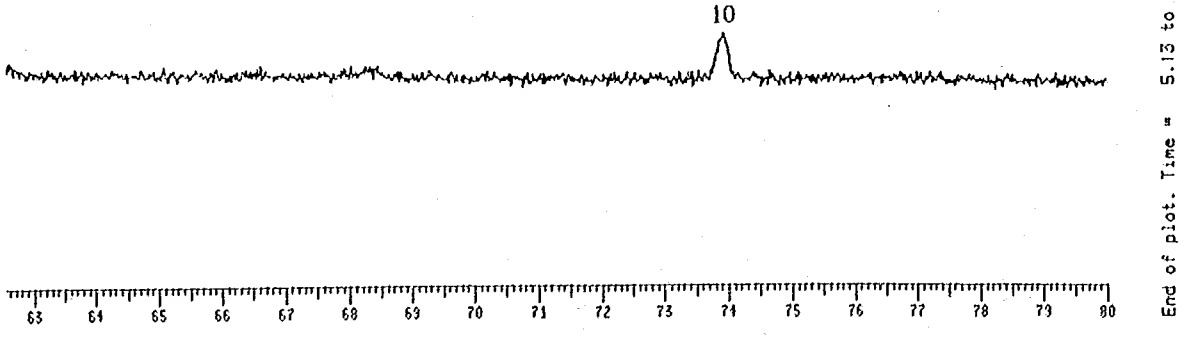
J19001B

No	Ｎａｍｅ
1	unknown
2	Ethanol, 1-(2-butoxyethoxy)-
3	unknown
4	2,5,8,11,14-Pentaoxapentadecane
5	unknown
6	Ethanol, 2-(dodecyloxy)-
7	2,5,8,11,14-Pentaoxapentadecane
8	Caffeine
9	unknown
10	Bis(2-ethylhexyl) phthalate


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2
9371300
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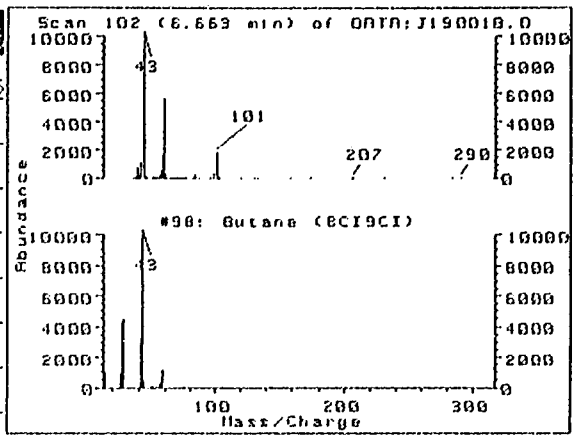




End of plot. Time = 5.13 to 80.01 minutes Chart speed = 1.24 cm/min

1

Butane (8CI9CI)	
00106-97-8	2
Acetamide (8CI9CI)	
00060-35-5	15



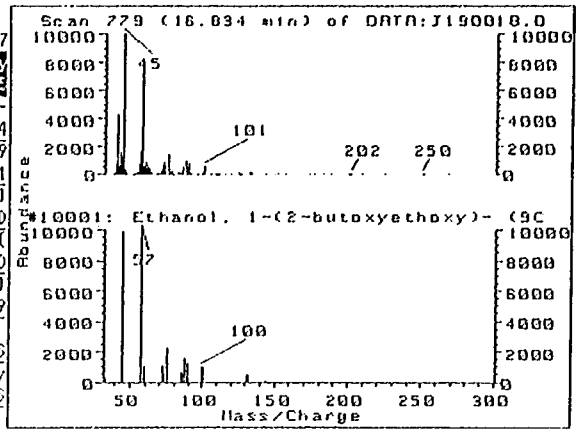
Entry# = 98 CAS Num = 00106-97-8
Company ID Num = NBS 9/85
Mol.Weight = 58.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane (8CI9CI)

Mol. Formula =
C4H10

Misc. Info. =
Pesticides;

2

2-Hexanol (8CI9CI)	
00626-93-7	37
Ethanol, 1-(2-butoxy	
54446-78-5	35
Butane, 2,2'-oxybis-	
06863-58-7	34
1,3-Butanediol (8CI9	
00107-88-0	31
2-Propanol (ACN)(9CI	
00067-63-0	30
Butane, 1-methoxy- (	
00628-28-4	30
1,2-Propanediol (8CI	
00057-55-6	29
2-Pentanol (8CI9CI)	
06032-29-7	26
Propanoic acid, 2-hy	
02155-30-8	26



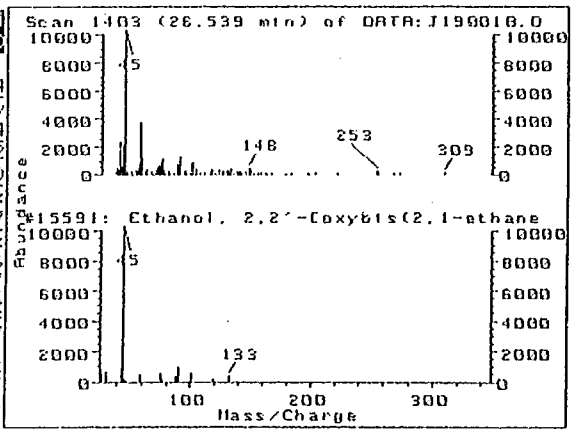
Entry# = 10001 CAS Num = 54446-78-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 1-(2-butoxyethoxy)- (9CI)

Mol. Formula =
C8H18O3

Misc. Info. =

3

Ethanol, 2,2'-[oxybi	
00112-60-7	60
Paraldehyde	
00123-63-7	44
Propanoic acid, 2-hy	
00547-64-8	44
Propane, 1-methoxy-2	
00625-44-5	40
2-Butanone, 3-hydrox	
00513-86-0	37
Acetaldehyde, methox	
10312-83-1	35
Butane, 1-methoxy- (	
00628-28-4	32
Propanoic acid, 2-hy	
02155-30-8	31
Ethanamine, 2-methox	
00109-85-3	31



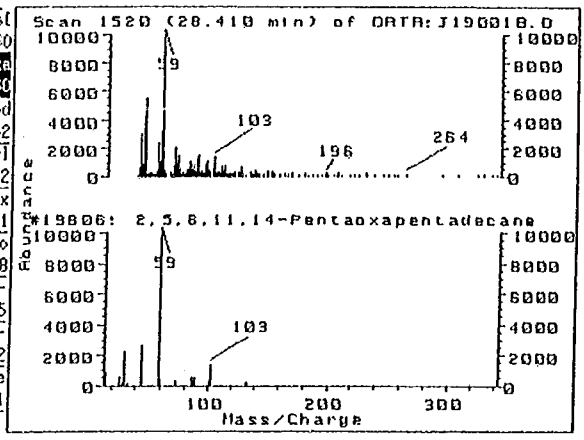
Entry# = 15591 CAS Num = 00112-60-7
Company ID Num = NBS 9/85
Mol.Weight = 194.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2,2'-[oxybis(2,1-ethanediyloxy)]bis- (9CI)

Mol. Formula =
C8H18O5

Misc. Info. =
Carbohydrates;

4

Ethane, 1,1'-oxybis[	
00111-96-6	60
2,5,8,11,14-Pentaoxa	
00143-24-8	60
2,5,8,11-Tetraoxadod	
00112-49-2	52
Ethanamine, N-methyl	
00624-78-2	52
2-Propanol, 1-methox	
03587-64-2	41
2,5,8,11,14,17-Hexao	
01191-87-3	38
Propane, 1-ethoxy-2-	
00627-02-1	35
2,3-Butanediol, 2,3-	
00076-09-5	32
1,8-Nonanediol, 8-me	
54725-73-4	31



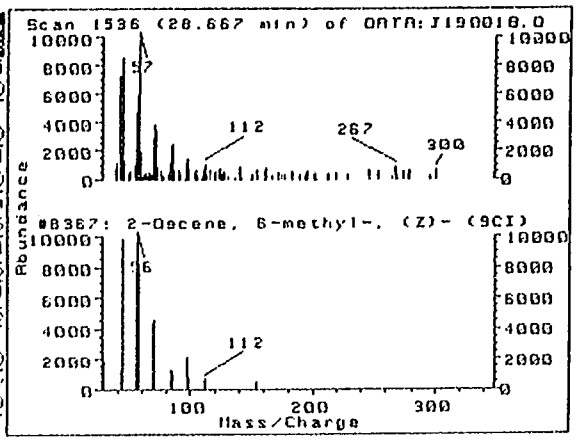
Entry# = 19806 CAS Num = 00143-24-8
Company ID Num = NBS 9/85
Mol.Weight = 222.146 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11,14-Pentaoxapentadecane (8CI9CI)

Mol. Formula =
C10H22O5

Misc. Info. =
Carbohydrates;

5

2-Decene, 6-methyl-,	
74630-31-2	53
Cyclopropane, 1,2-di	
62238-10-2	40
1-Decene (8CI,9CI)	
00872-05-9	40
Cyclopropane, pentyl	
02511-91-3	40
1-Octene, 3,7-dimeth	
04984-01-4	35
1-Octanol, 3,7-dimet	
00106-21-8	35
2-Decenal, (Z)- (8C	
02497-25-8	35
2-Nonenal (8CI,9CI)	
02463-53-8	30
Cyclopropane, 1-hexy	
62238-09-9	30



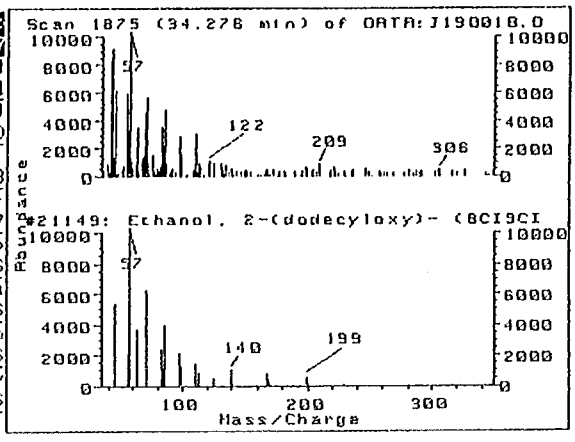
Entry# = 8367 CAS Num = 74630-31-2
Company ID Num = NBS 9/85
Mol.Weight = 154.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Decene, 6-methyl-, (Z)- (9CI)

Mol. Formula =
C11H22

Misc. Info. =

6

Ethanol, 2-(dodecylo	
04536-30-5	47
Hexane, 2,4-dimethyl	
00589-43-5	31
Hexane, 3,4-dimethyl	
00583-48-2	30
Undecane, 3-methyl-	
01002-43-3	28
Tridecane, 5-methyl-	
25117-31-1	27
2H-Pyran, tetrahydro	
01927-70-4	26
2H-Pyran, 2-[(2-fura	
54845-37-3	26
Oxirane, 2-butyl-3-m	
14925-96-3	26
Oxirane, 2,2-dimethy	
17612-35-0	26



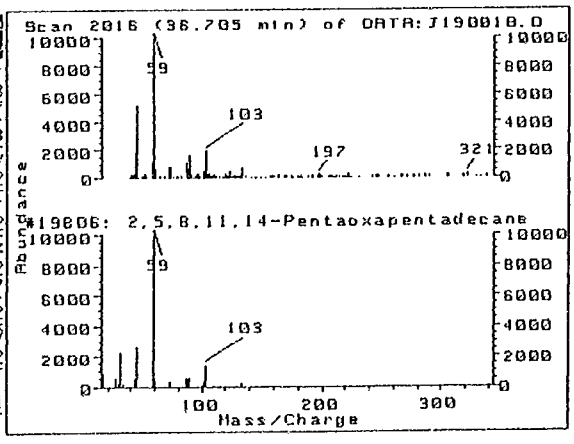
Entry# = 21149 CAS Num = 04536-30-5
Company ID Num = NBS 9/85
Mol.Weight = 230.223 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(dodecyloxy)- (8CI,9CI)

Mol. Formula =
C14H30O2

Misc. Info. =
Carbohydrates;

7

2,5,8,11,14-Pentaoxa	
00143-24-8	46
Butane, 2-methoxy-3-	
62016-49-3	43
Ethanol, 2-ethoxy- (	
00110-80-5	43
2-Butanol, 1-methoxy	
53778-73-7	42
Formamide, N-formyl-	
18197-25-6	42
2-Propanol, 1-methox	
03587-64-2	42
Butane, 2-methoxy- (	
06795-87-5	42
Butane, 1-ethoxy- (9	
00628-81-9	42
Butanamide (9CI)	
00541-35-5	41



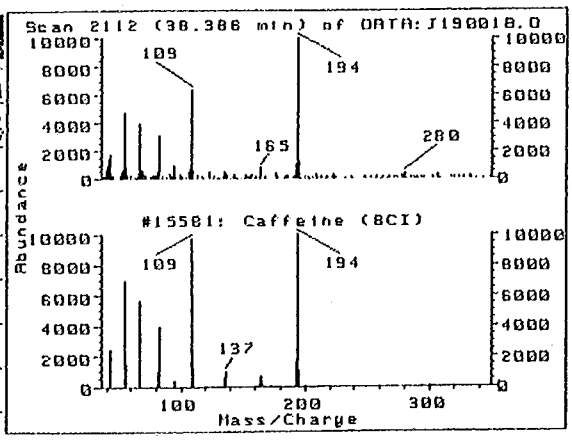
Entry# = 19806 CAS Num = 00143-24-8
Company ID Num = NBS 9/85
Mol.Weight = 222.146 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11,14-Pentaoxapentadecane (8CI,9CI)

Mol. Formula =
C10H22O5

Misc. Info. =
Carbohydrates;

8

Caffeine (8CI)	
00058-08-2	65
1H-Pyrrolo[2,3-b]pyr	
10586-52-4	31
3(2H)-Benzofuranone,	
04225-35-8	29



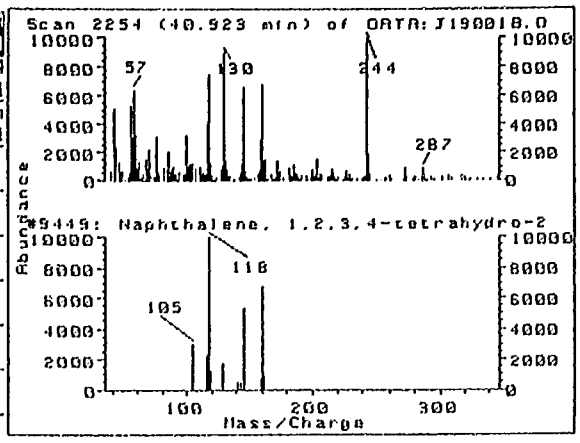
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

9

Naphthalene, 1,2,3,4	
13065-07-1	11
Naphthalene, 1,2,3,4	
02609-64-5	11
Valine, N,N'-trimeth	
23179-85-3	11



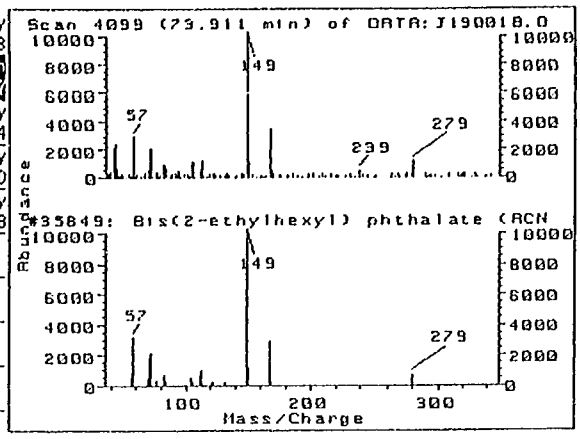
Entry# = 9449 CAS Num = 13065-07-1
Company ID Num = NBS 9/85
Mol.Weight = 160.124 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 1,2,3,4-tetrahydro-2,7-dimethyl- (8CI9 CI)

Mol. Formula =
C12H16

Misc. Info. =

10

1,2-Benzenedicarboxy	
00603-11-2	73
Bis(2-ethylhexyl) ph	
00117-81-7	67
1,2-Benzenedicarboxy	
17851-53-5	34
1,2-Benzenedicarboxy	
00605-45-8	30
1,2-Benzenedicarboxy	
00131-16-8	28



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H3804

Misc. Info. =
Pesticides; Priority Pollutants;

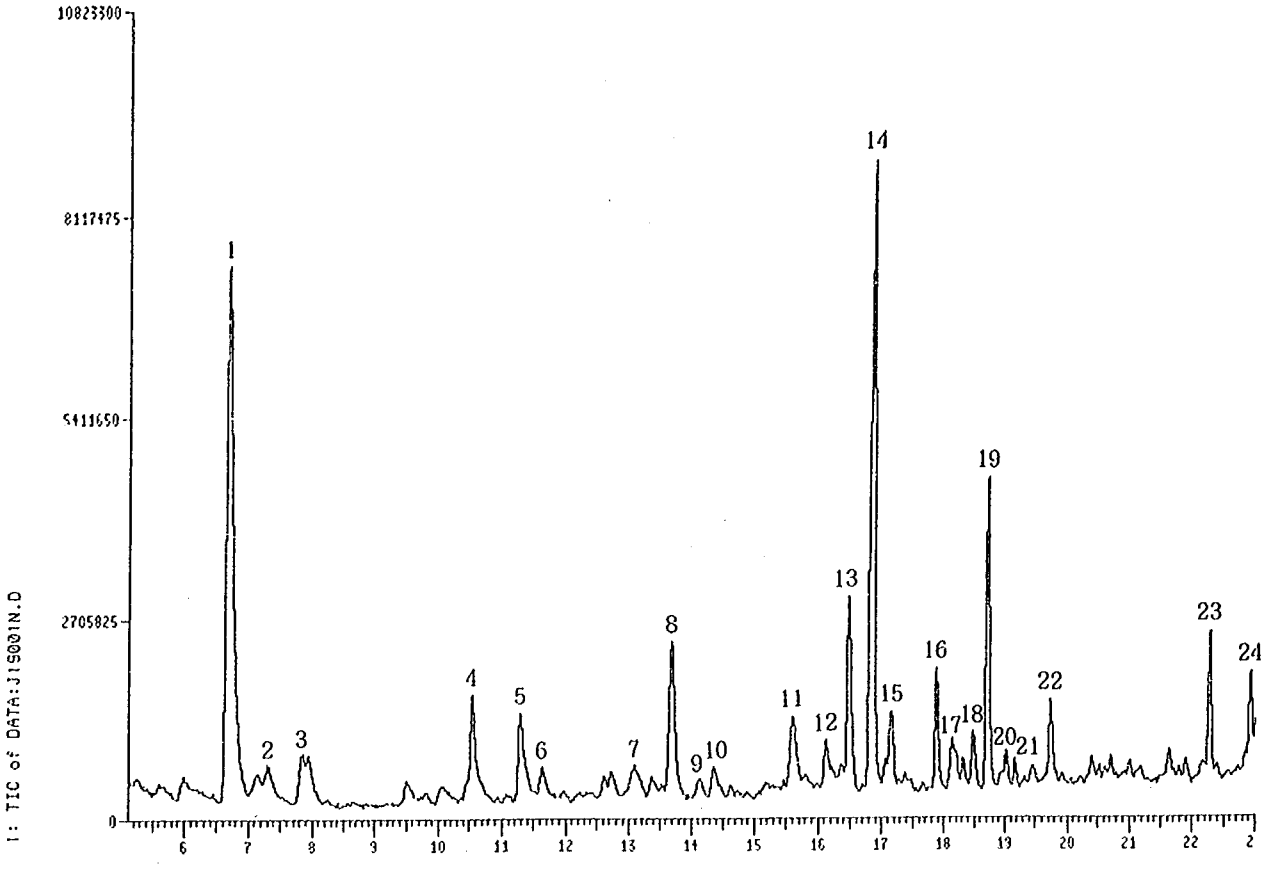
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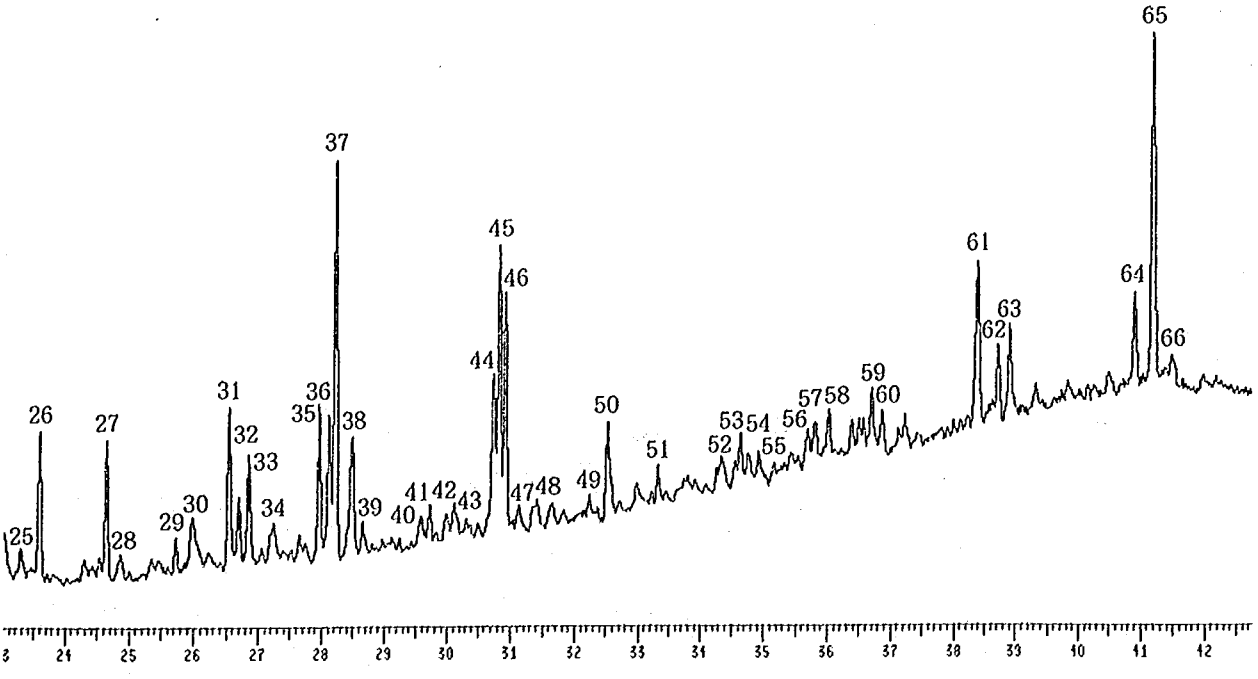
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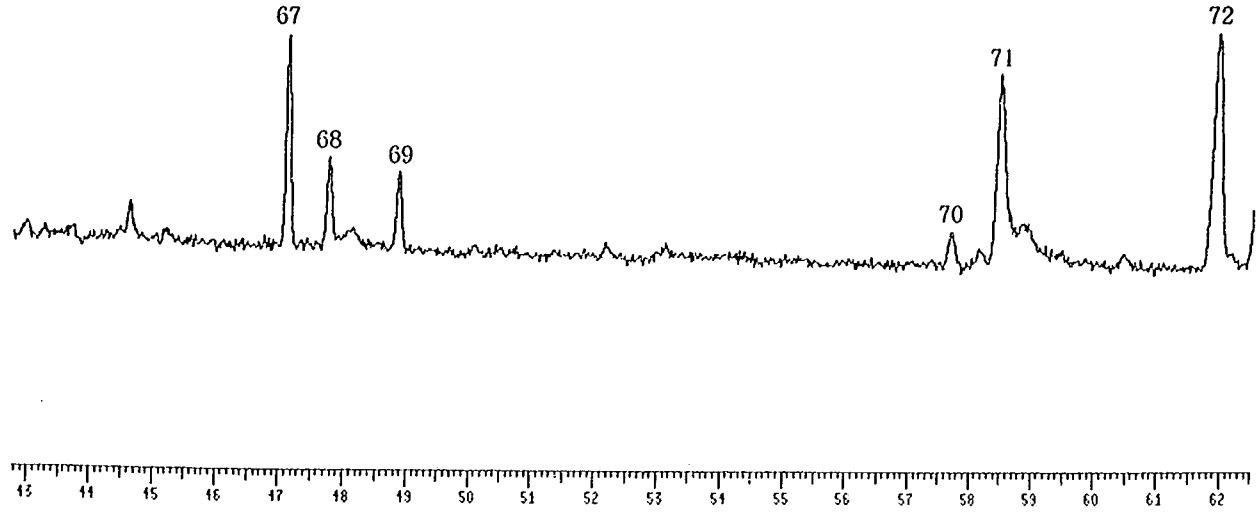
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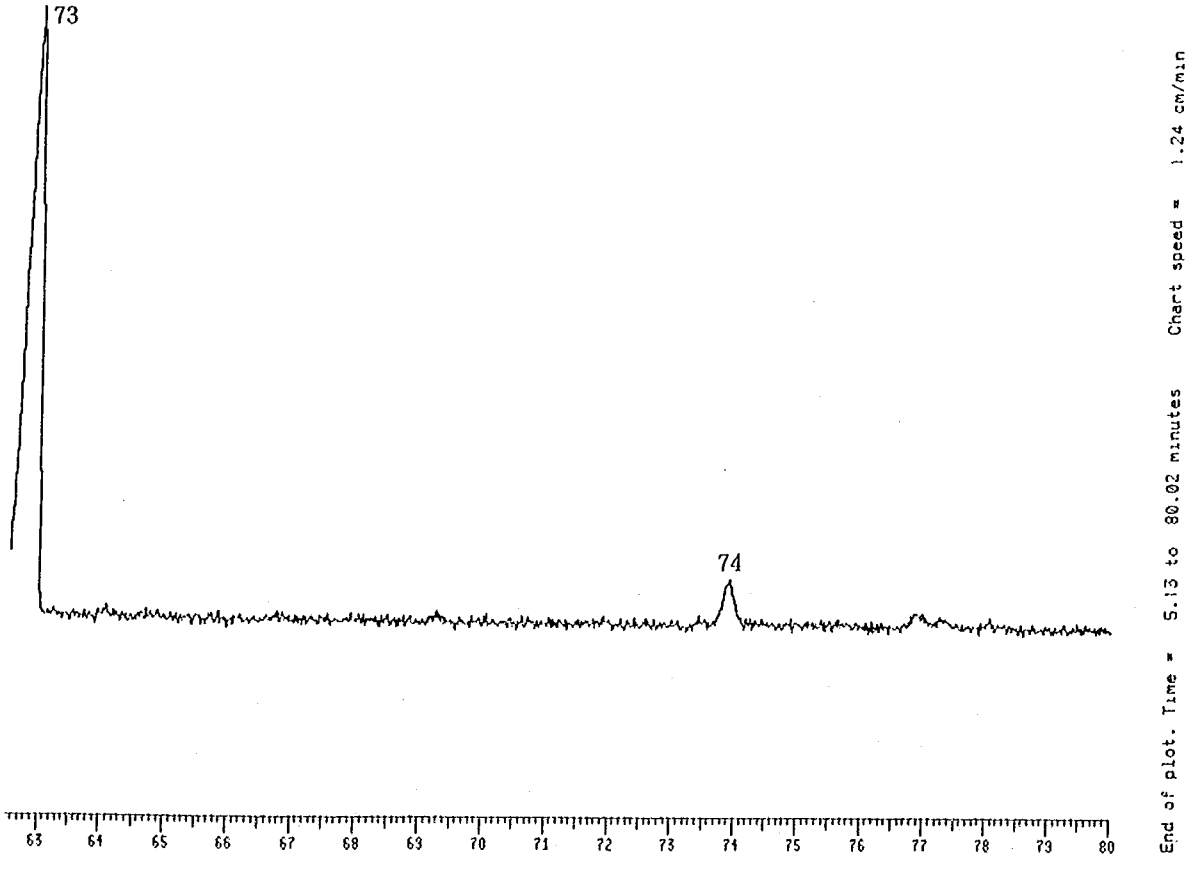
No	Name
1	unknown
2	Benzene, 1,2-dimethyl-
3	Benzene, 1,2-dimethyl-
4	Cyclohexane, isocyanato-
5	Methanamine, N-heptylidene-
6	Benzenemethanol
7	Phenol, 3-methyl-
8	unknown
9	Phenol, 2,3-dimethyl-
10	Benzeneethanol
10	Phenol, 2,3-dimethyl-
12	Nonanol
13	unknown
14	Ethanol, 2-(2-butoxyethoxy)-
15	3-Cyclohexene-1-methanol, .alpha.,.alpha.4-trimethyl-
16	Butane, 1-(2-methoxyethoxy)-
17	unknown
18	1,2-Benzisothiazole
19	Thiourea, N,N'-dicyclohexyl-
20	2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-, (S)-
21	1,5-Heptadiene, 3,6-dimethyl-
22	Cyclopropane, octyl-
23	1,2,3-Propanetriol, diacetate
24	Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(2-hydroxy -1-methylethyl)propyl ester
25	unknown
26	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpenthyl ester
27	Benzene, 1,1'-oxybis-
28	4-Pyridinemethanol, acetate (ester)
29	unknown
30	2H-1-Benzopyran-2-one
31	Trietylene glycol
32	unknown
33	unknown
34	unknown
35	1-Propanol, 2-(2-hydroxypropoxy)-
36	1-Propanol, 2-(2-hydroxypropoxy)-
37	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
38	unknown
39	unknown
40	unknown
41	1,5,9-Cyclododecatriene, 1,5,9-trimethyl-
42	1-Propanol, 2-(2-methoxypropoxy)-
43	unknown
44	Diethyl phthalate
45	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl -1,3-propanediyl ester
46	unknown
47	Benzothiazole, 2-(methylthio)-

48	unknown
49	unknown
50	1-Cyclopentene-1-acetic acid, 3-oxo-2-pentyl-, methyl ester
51	unknown
52	unknown
53	Decanamide, N-(2-hydroxyethyl)-
54	Phenol,dodecyl-
55	unknown
56	unknown
57	Ethanol, 2-chloro-, phosphate
58	unknown
59	unknown
60	unknown
61	Caffeine
62	2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1 -ethanediyl)ester
63	2-Pentanamine, N-ethyl-4-methyl-
64	unknown
65	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
66	Ethanone, 2-(2-methylpropoxy)-1,2-diphenyl-
67	2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1 -ethanediyl)ester
68	unknown
69	unknown
70	unknown
71	unknown
72	unknown
73	Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl-
74	Bis(2-ethylhexyl) phthalate


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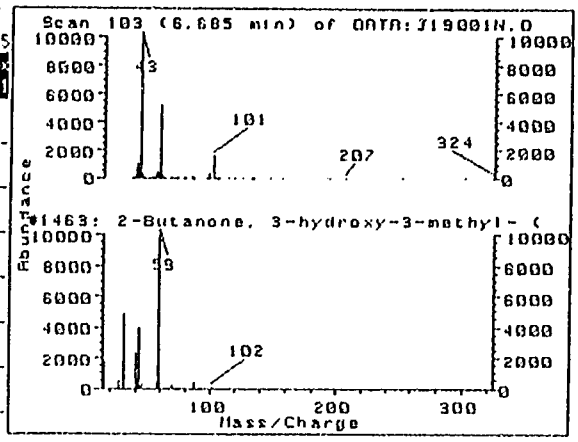

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73
74
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.02 minutes Chart speed = 1.24 cm/min

1

Acetamide (8C19Cl)	
00060-35-5	15
2-Butanone, 3-hydrox	
00115-22-0	11



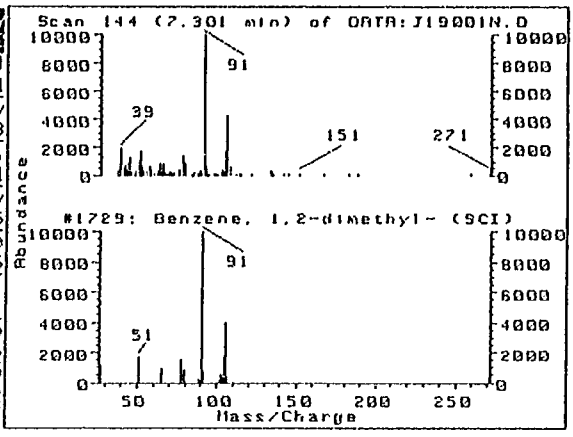
Entry# = 1463 CAS Num = 00115-22-0
Company ID Num = NBS 9/85
Mol.Weight = 102.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanone, 3-hydroxy-3-methyl- (8C19Cl)

Mol. Formula =
C5H10O2

Misc. Info. =

2

Benzene, 1,2-dimethy	
00095-47-6	92
Benzene, ethyl- (8C)	
00100-41-4	81
Benzene, 1,3-dimethy	
00108-38-3	63
1,3-Cyclopentadiene,	
02175-91-9	41
Benzene, 1,4-dimethy	
00106-42-3	35
Cyclopentene, 1-ethe	
61142-07-2	35
3,5-Heptadiyn-2-one	
13879-71-5	31
Benzeneethanol, .alp	
52089-32-4	15
Benzaldehyde (ACN)(D	
00100-52-7	12



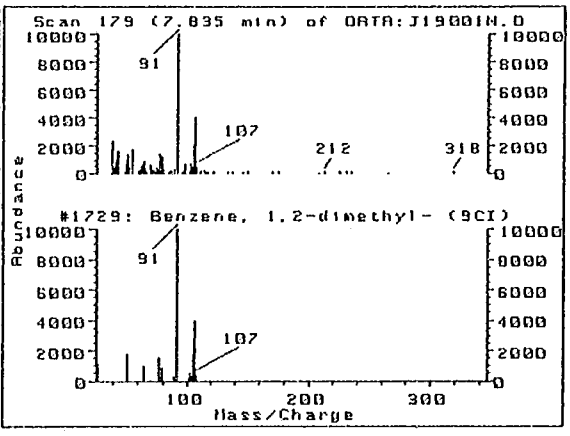
Entry# = 1729 CAS Num = 00095-47-6
Company ID Num = NBS 9/85
Mol.Weight = 106.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, 1,2-dimethyl- (9CI)

Mol. Formula =
C8H10

Misc. Info. =

3

Benzene, 1,2-dimethy	
00095-47-6	86
Benzene, ethyl- (8C)	
00100-41-4	81
Cyclopentene, 1-ethe	
61142-07-2	74
Benzene, 1,3-dimethy	
00108-38-3	69
Benzene, 1,4-dimethy	
00106-42-3	46
1,3-Cyclopentadiene,	
02175-91-9	36
3,5-Heptadiyn-2-one	
13879-71-5	28



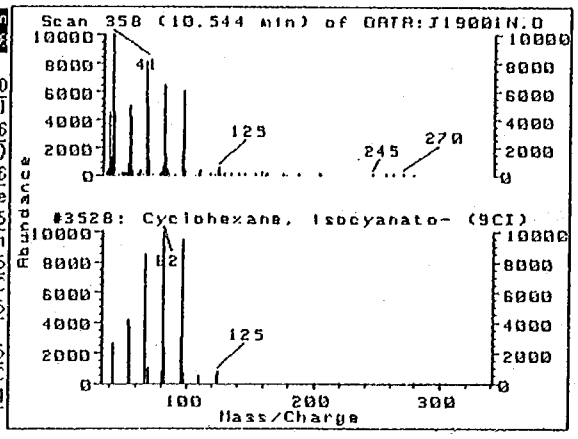
Entry# = 1729 CAS Num = 00095-47-6
Company ID Num = NBS 9/85
Mol.Weight = 106.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, 1,2-dimethyl- (9CI)

Mol. Formula =
C8H10

Misc. Info. =

4

Cyclohexane, isocyan	
03173-53-3	88
4-Nonyn-1-ol (9CI)	
49826-98-4	30
Cyclobutane, ethenyl	
02597-49-1	26
Cyclohexene (8C19Cl)	
00110-83-8	26
Bicyclo[3.1.0]hexane	
00285-58-5	25
Bicyclo[4.1.0]heptan	
00286-08-8	25
2,4-Hexadiene (8C19C	
00592-46-1	25
3-Hexyne (8C19Cl)	
00928-49-4	25
1,5-Hexadiene (8C19C	
00592-42-7	24



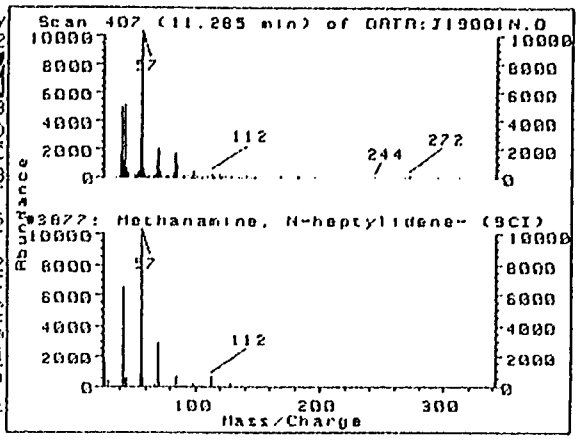
Entry# = 3528 CAS Num = 03173-53-3
Company ID Num = NBS 9/85
Mol.Weight = 125.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexane, isocyanato- (9CI)

Mol. Formula =
C7H11NO

Misc. Info. =

5

Methanamine, N-penty	
10599-75-4	52
Methanamine, N-hepty	
06898-71-1	41
Heptane, 2-bromo- (8	
01974-04-5	30
Butane, 2-bromo- (8C	
00078-76-2	28
1-Hexanol, 2-ethyl-	
00104-76-7	25
1-Decene (8CI9CI)	
00872-05-9	12
1-Heptene, 3-methyl-	
04810-09-7	12
Cyclopropane, 1-(2-m	
64723-36-0	11
Cyclopropane, 1-meth	
62238-07-7	11



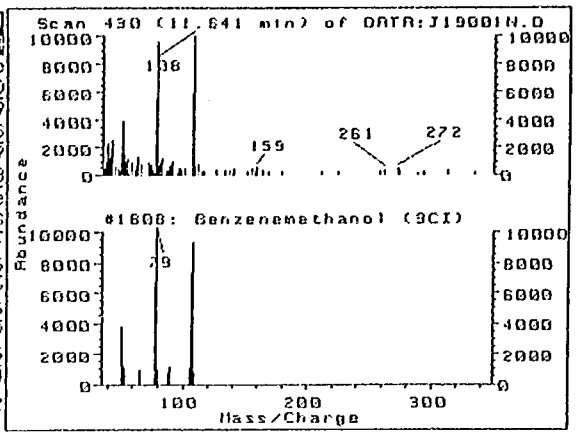
Entry# = 3877 CAS Num = 06898-71-1
Company ID Num = NBS 9/85
Mol.Weight = 127.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Methanamine, N-heptylidene- (9CI)

Mol. Formula =
C8H17N

Misc. Info. =

6

Benzeneethanol (9CI)	
00100-51-6	84
2-Pyridinamine, N-me	
04597-87-9	70
Phenol, 3-methyl- (9	
00108-39-4	36
Phenol, 2-methyl- (9	
00095-48-7	28
2-Pyridinamine, 5-me	
01603-41-4	26
Bicyclo[2.2.1]hepta-	
00822-80-0	25
Cyclopentene, 3-ethy	
62338-00-5	25
3,5-Octadien-2-ol (9	
69668-82-2	25
Spiro[2.4]heptane, 4	
24308-54-1	25



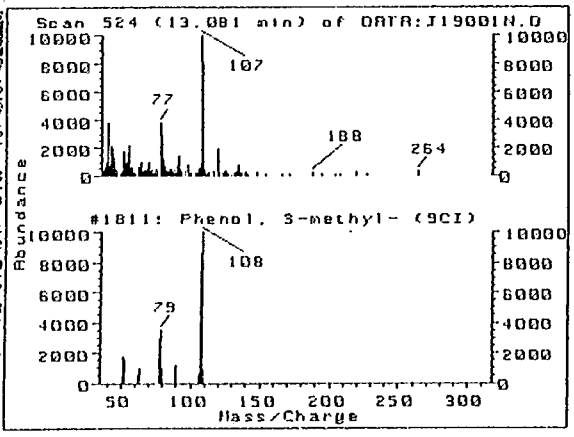
Entry# = 1808 CAS Num = 00100-51-6
Company ID Num = NBS 9/85
Mol.Weight = 108.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzeneethanol (9CI)

Mol. Formula =
C7H8O

Misc. Info. =
Drugs; Pesticides;

7

Phenol, 3-methyl- (9	
00108-39-4	86
Phenol, 4-methyl- (9	
00106-44-5	75
Phenol, 2-methyl- (9	
00095-48-7	55
Silane, phenyl- (8CI	
00694-53-1	43
Pyridine, 3,5-dimeth	
00591-22-0	21
2-Pyridinamine, 5-me	
01603-41-4	20
Benzenamine, N-methy	
00100-61-8	18
Pyridine, 2,5-dimeth	
00589-93-5	15
Pyridine, 3,4-dimeth	
00583-58-4	15



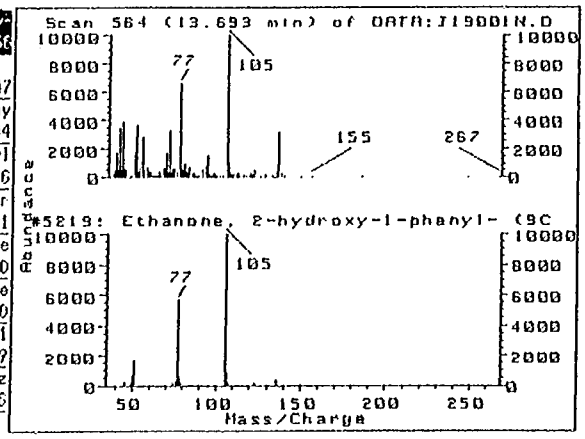
Entry# = 1811 CAS Num = 00108-39-4
Company ID Num = NBS 9/85
Mol.Weight = 108.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 3-methyl- (9CI)

Mol. Formula =
C7H8O

Misc. Info. =
Drugs; Pesticides;

8

Ethanone, 2-hydroxy-	
00582-24-1	56
Benzeneacetic acid,	
01603-79-8	47
Ethanedione, dipheny	
00134-81-6	44
1-Butanone, 1-phenyl	
00495-40-9	36
1-Propanone, 3-chlor	
00936-59-4	31
Benzeneethanol, 3-me	
01875-89-4	30
Benzeneethanol, 2-me	
19819-98-8	30
Ethanone, 2-chloro-1	
00532-27-4	29
Benzoic acid, 2-benz	
01226-43-3	26



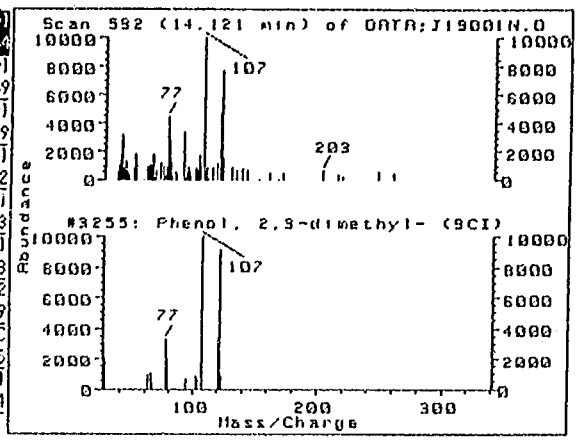
Entry# = 5219 CAS Num = 00582-24-1
Company ID Num = NBS 9/85
Mol.Weight = 136.052 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 2-hydroxy-1-phenyl- (9CI)

Mol. Formula =
C8H8O2

Misc. Info. =

9

Phenol, 2,3-dimethyl	
00526-75-0	64
Phenol, 2,5-dimethyl	
00095-87-4	59
Phenol, 2,4-dimethyl	
00105-67-9	59
Phenol, 3,5-dimethyl	
00108-68-9	52
Phenol, 3,4-dimethyl	
00095-65-8	43
Phenol, 2,6-dimethyl	
00576-26-1	43
Benzene, 1-methoxy-2	
00578-58-5	29
Phenol, 3-ethyl- (9C	
00620-17-7	26
Benzeneethanol, .al	
00098-85-1	24



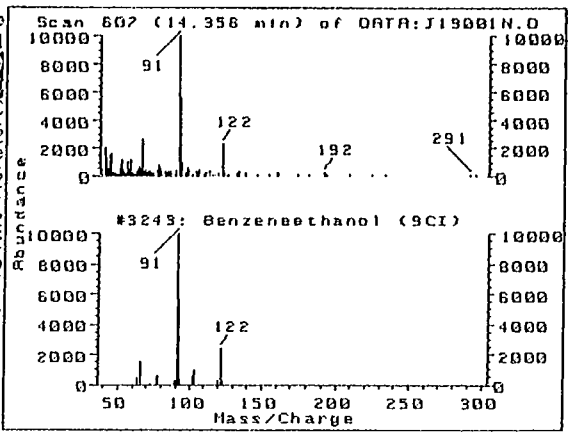
Entry# = 3255 CAS Num = 00526-75-0
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,3-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =
Pesticides;

10

1,3,5-Cycloheptatrie	
00544-25-2	61
Benzeneethanol (9CI)	
00060-12-8	50
Benzene, methyl- (9C	
00108-88-3	45
Cyclobutene, 2-prope	
52097-85-5	35
Spiro[3.3]hepta-1,5-	
22635-78-5	32
Pyridine, 4-methyl-2	
18368-71-3	30
Tricyclo[3.2.2.02,4]	
62249-53-0	25
Benzaldehyde, 3-hydr	
00100-83-4	11
Hydrazine, (phenylme	
00555-96-4	11



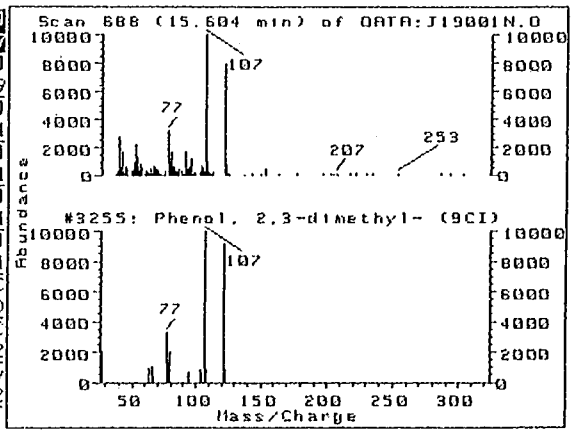
Entry# = 3243 CAS Num = 00060-12-8
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzeneethanol (9CI)

Mol. Formula =
C8H10O

Misc. Info. =
Drugs; Misc. Natural products; Pesticides;

11

Phenol, 2,3-dimethyl	
00526-75-0	87
Phenol, 2,4-dimethyl	
00105-67-9	79
Phenol, 3,5-dimethyl	
00108-68-9	71
Phenol, 3,4-dimethyl	
00095-65-8	71
Phenol, 2,6-dimethyl	
00576-26-1	71
Phenol, 2,5-dimethyl	
00095-87-4	71
Phenol, 2-ethyl- (9C	
00090-00-6	50
Phenol, 3-ethyl- (9C	
00620-17-7	42
Benzenamine, 3-methy	
00108-44-1	32



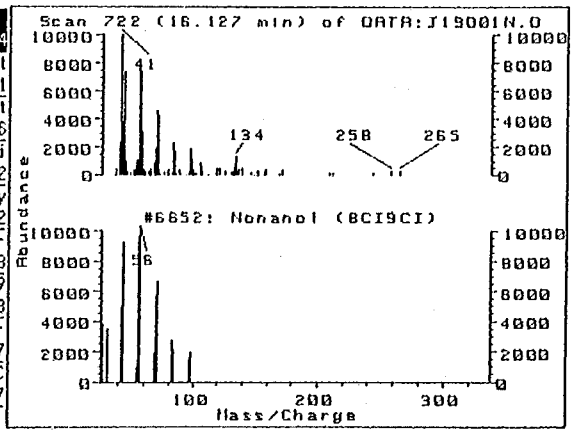
Entry# = 3255 CAS Num = 00526-75-0
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,3-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =
Pesticides;

12

Nonanol (8CI9CI)	
28473-21-4	64
1-Pentene, 3,4-dimet	
07385-78-6	51
Cyclopropane, 1-hept	
74663-91-5	46
Cyclopentane, 1,2-di	
02452-99-5	42
Cyclopropane, 1-hexy	
74630-58-3	42
Aziridine, 1-propyl-	
05536-98-1	38
2-Decene, (E)- (8CI9	
20063-97-2	38
Cyclopropane, butyl-	
00930-57-4	37
4-Undecene, (E)- (8C	
00693-62-9	37



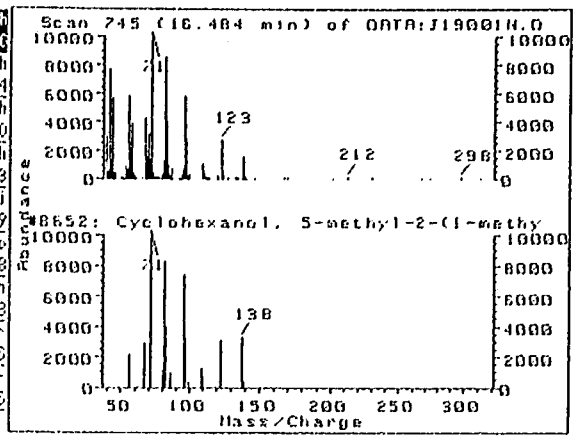
Entry# = 6652 CAS Num = 28473-21-4
Company ID Num = NBS 9/85
Mol.Weight = 144.150 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Nonanol (8CI9CI)

Mol. Formula =
C9H20O

Misc. Info. =

13

Cyclohexanol, 5-meth	
00089-78-1	76
Cyclohexanol, 5-meth	
15356-70-4	74
Cyclohexanol, 5-meth	
01490-04-6	70
Cyclohexanol, 1-meth	
21129-27-1	53
Cyclopentane, 1,3-di	
61142-31-2	29
Pentalene, octahydro	
03660-64-2	28
Bicyclo[3.1.1]heptan	
00473-55-2	28
Cyclohexane, 2-chlor	
16052-42-9	26
Bicyclo[3.1.0]hexan-	
00513-20-2	25



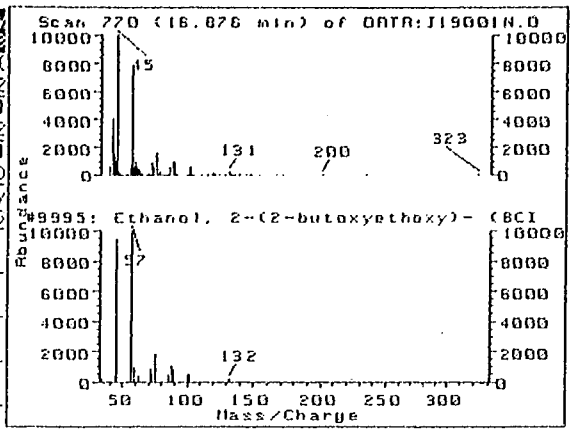
Entry# = 8652 CAS Num = 00089-78-1
Company ID Num = NBS 9/85
Mol.Height = 156.150 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha.,2.beta.,5.alpha.)- (9CI)

Mol. Formula =
C10H20O

Misc. Info. =
Misc. Natural products; Pesticides;

14

Ethanol, 2-(2-butoxy	
00112-34-5	93
Butane, 1-methoxy- (	
00628-28-4	32
1,2-Propanediol (8CI	
00057-55-6	32
2-Propanol (ACII)(9CI	
00067-63-0	30
Propanoic acid, 2-hy	
02155-30-8	26



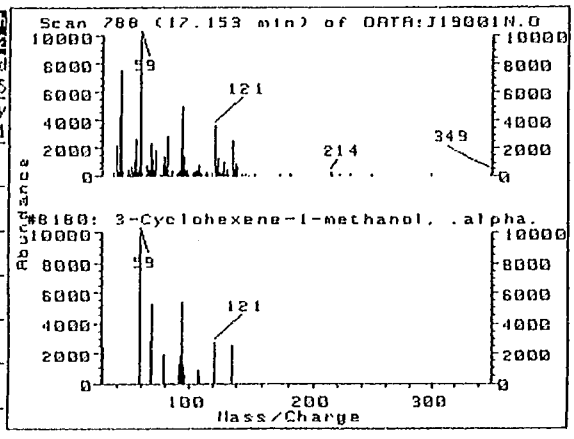
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Height = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

15

3-Cyclohexene-1-meth	
00098-55-5	52
Butanoic acid, 2-hyd	
29674-47-3	15
Cyclohexene, 1-methy	
01461-27-4	11



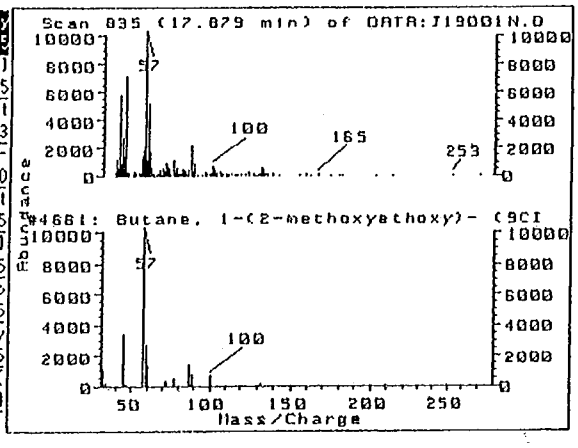
Entry# = 8180 CAS Num = 00098-55-5
Company ID Num = NBS 9/85
Mol.Height = 154.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Cyclohexene-1-methanol, .alpha.,.alpha.4-trimethyl- (9CI)

Mol. Formula =
C10H18O

Misc. Info. =
Pesticides;

16

Butane, 1-(2-methoxy	
13343-98-1	35
Propane, 2,2'-(ethyl	
04285-59-0	35
Butanoic acid, 4-met	
29006-02-8	33
Propane, 2-methyl-1-	
15268-49-2	30
1-Propanol, 2-(1-met	
03944-37-4	25
Propane, 1,1'-(ethyl	
00105-82-8	25
Ether, sec-butyl iso	
18641-81-1	25
Ethanol, 2-(2-butoxy	
00112-34-5	25
Ethanol, 2-butoxy- (	
00111-76-2	24



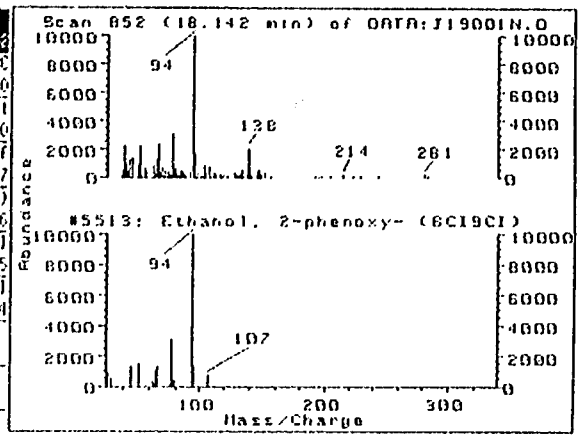
Entry# = 4681 CAS Num = 13343-98-1
Company ID Num = NBS 9/85
Mol.Height = 132.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-(2-methoxyethoxy)- (9CI)

Mol. Formula =
C7H16O2

Misc. Info. =

17

Ethanol, 2-phenoxy-	
00122-99-6	63
Phenol (ACN)(DOT)(8C	
00108-95-2	30
2-Hexen-4-yne, 2-met	
58275-93-7	30
Phosphorodiamidous f	
01795-82-6	27
4-Pyridinamine (9CI)	
00504-24-5	26
Carbonic acid, butyl	
04824-76-4	25
Pyrimidine, 4-methyl	
03438-46-8	24



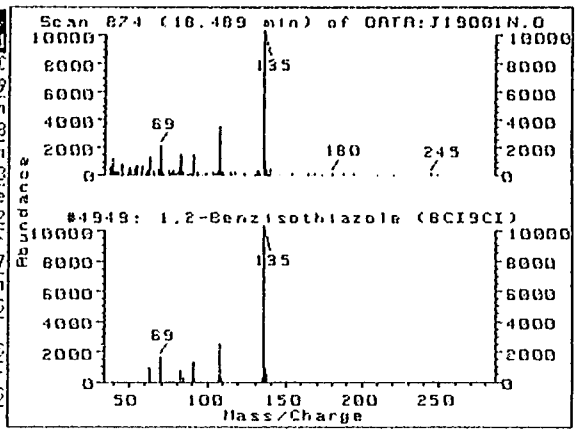
Entry# = 5513 CAS Num = 00122-99-6
Company ID Num = NBS 9/85
Mol.Weight = 138.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-phenoxy- (8CI9CI)

Mol. Formula =
C8H10O2

Misc. Info. =
Carbohydrates;

18

1,2-Benzisothiazole,	
00272-16-2	81
Benzothiazole (8CI9C	
00095-16-9	79
Thieno[3,2-c]pyridin	
00272-14-0	58
Thieno[2,3-c]pyridin	
00272-12-8	48
Thiocyanic acid, phe	
05285-87-0	42
2H-Imidazo[4,5-b]pyr	
16328-62-4	37
Benzene, isothiocyan	
00103-72-0	36
Adenine (VWR8CI)	
00073-24-5	36
Benzamide, N-methyl-	
00613-93-4	26



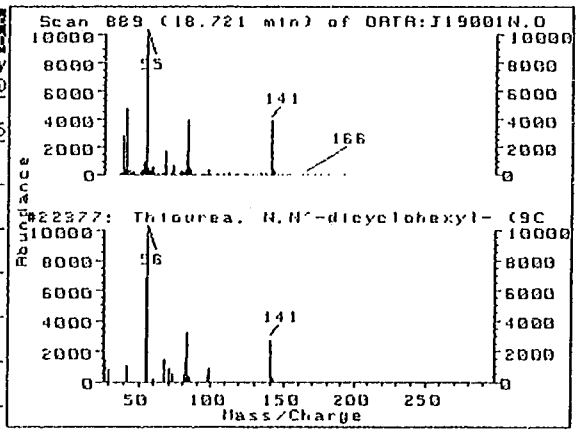
Entry# = 4949 CAS Num = 00272-16-2
Company ID Num = NBS 9/85
Mol.Weight = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzisothiazole (8CI9CI)

Mol. Formula =
C7H5NS

Misc. Info. =

19

Thiourea, N,N'-dicyc	
01212-29-9	60
Ethanone, 1-(2-methy	
00930-56-3	20
Cyclohexane, azido-	
19573-22-9	15



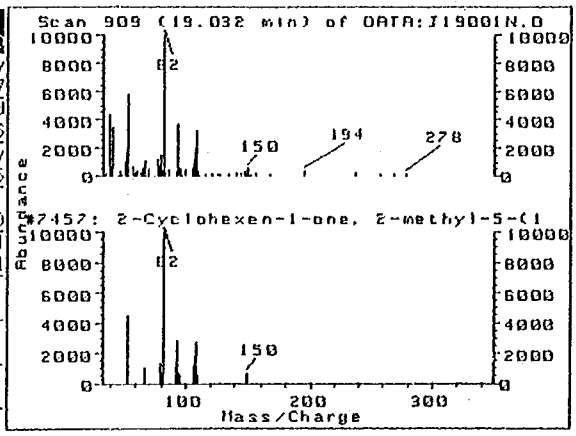
Entry# = 22377 CAS Num = 01212-29-9
Company ID Num = NBS 9/85
Mol.Weight = 240.165 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Thiourea, N,N'-dicyclohexyl- (9CI)

Mol. Formula =
C13H24N2S

Misc. Info. =

20

2-Cyclohexen-1-one,	
02244-16-8	70
1H-Pyrazole, 4-methy	
07554-65-6	37
1,3-Butadiene, 2,3-d	
00513-81-5	36
1H-Pyrazole, 1-methy	
00930-36-9	35
2-Cyclohexen-1-one,	
06485-40-1	20
Cyclobutane, ethenyl	
02597-49-1	11



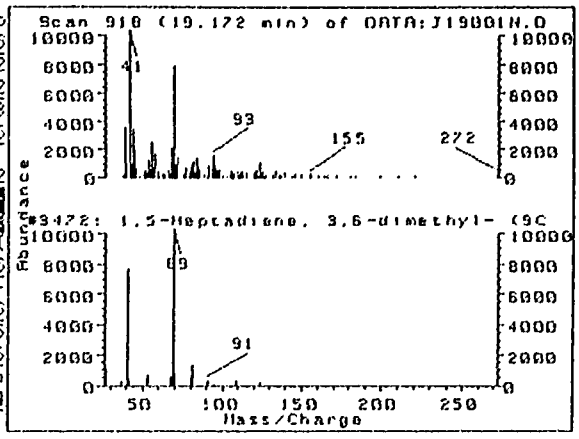
Entry# = 7457 CAS Num = 02244-16-8
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-,
(S)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

21

2-Pentene, 4,4'-oxyb 52867-34-2 56
2,6-Octadien-1-ol, 2 22410-74-8 52
2,6-Octadien-1-ol, 3 00106-24-1 46
1-Pentene, 5-bromo- 01119-51-3 42
1,5-Heptadiene, 2,6- 34891-10-6 38
4-Nonene, 5-nitro- (06065-01-6 36
1,5-Heptadiene, 3,3- 67682-47-7 36
1,4-Hexadiene, 3,3,5 74753-00-7 35
3-Butyn-2-ol, 2-meth 00115-19-5 34



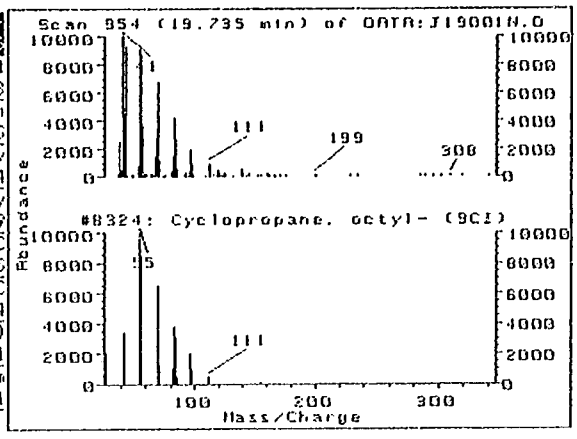
Entry# = 3472 CAS Num = 34891-10-6
Company ID Num = NBS 9/85
Mol.Weight = 124.124 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,5-Heptadiene, 3,6-dimethyl- (9CI)

Mol. Formula =
C9H16

Misc. Info. =

22

Cyclopropane, octyl- 01472-09-9 95
Cyclopropane, 1-hept 74663-91-5 93
1-Octene, 3,7-dimeth 04984-01-4 86
Cyclopropane, 1-ethy 74663-86-8 84
Cyclopropane, 1-hexy 74630-58-3 79
3-Dodecene, (E)- (8C 07206-14-6 76
3-Dodecene, (Z)- (8C 07239-23-8 74
1-Decanol (ACH)(9CI) 00112-30-1 71
Cyclooctane, 1,4-dim 13151-99-0 71



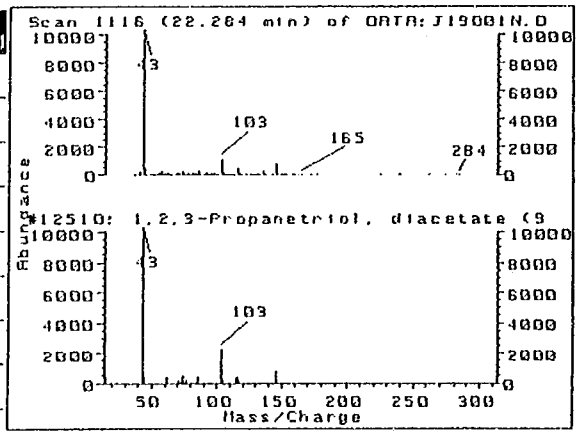
Entry# = 8324 CAS Num = 01472-09-9
Company ID Num = NBS 9/85
Mol.Weight = 154.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, octyl- (9CI)

Mol. Formula =
C11H22

Misc. Info. =

23

1,2,3-Propanetriol, 25395-31-7 11



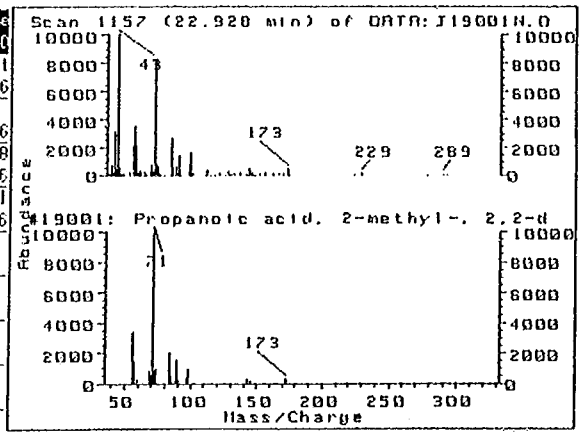
Entry# = 12510 CAS Num = 25395-31-7
Company ID Num = NBS 9/85
Mol.Weight = 176.068 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2,3-Propanetriol, diacetate (9CI)

Mol. Formula =
C7H12O5

Misc. Info. =
Carbohydrates; Fatty acids and Lipids;

24

Propanoic acid, 2-me 74367-33-2 60
1-Penten-3-ol, 3-met 00918-85-4 26
2-Furanmethanamine, 04795-29-3 26
Pentane, 3-bromo- (8 01809-10-5 26
4,5-Octanedione (8CI 05455-24-3 26



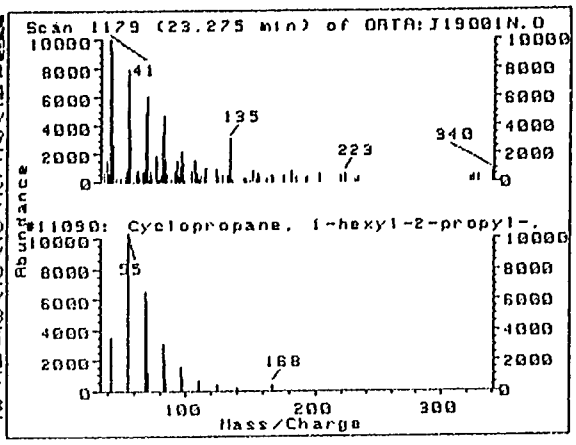
Entry# = 19001 CAS Num = 74367-33-2
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(2-hydrox y-1-methylethyl)propyl ester (9CI)

Mol. Formula =
C12H24O3

Misc. Info. =

25

Cyclopropane, 1-hexy	
74630-58-3	64
Cyclopropane, 1-hept	
74663-91-5	64
Cyclopropane, 1-ethy	
74663-86-8	59
Cyclopropane, octyl-	
01472-09-9	55
Cyclodecane, methyl-	
13151-43-4	50
Cyclopropane, 1-buty	
74663-87-9	50
Cyclopropane, 1-buty	
74663-88-0	48
Cyclopentane, 1,2-di	
02452-99-5	44
Cyclopropane, nonyl-	
74663-85-7	43



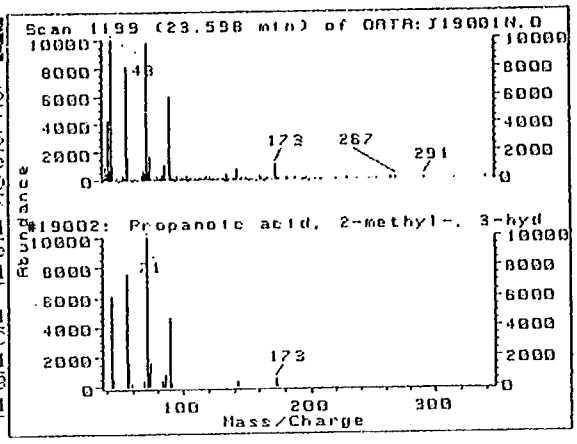
Entry# = 11090 CAS Num = 74630-58-3
Company ID Num = NBS 9/85
Mol.Weight = 168.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, 1-hexyl-2-propyl-, cis- (9CI)

Mol. Formula =
C12H24

Misc. Info. =

26

Propanoic acid, 2-me	
74367-34-3	70
Ethane, isocyanato-	
00109-90-0	25
Azetidine, 1-methyl-	
04923-79-9	25
Cyanic acid, ethyl e	
00627-48-5	20
Hexane, 3,3,4,4-tetr	
05171-84-6	11
Oxetane, 2,3,4-trime	
32347-12-9	11
1-Octene, 2-methyl-	
04588-18-5	11
Cyclopentanamine (9C	
01003-03-8	11
Butane, 1-chloro- (8	
00109-69-3	11



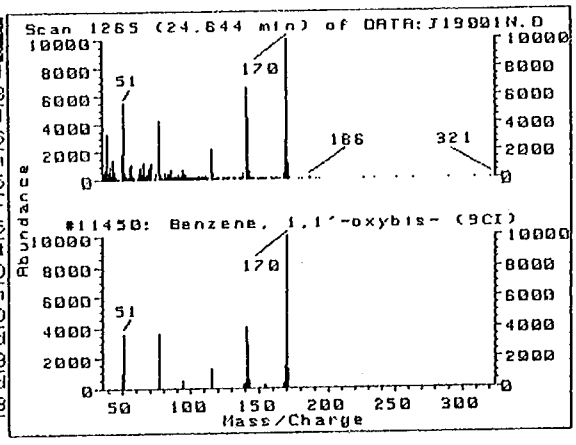
Entry# = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethy
lpentyl ester (9CI)

Mol. Formula =
C12H2403

Misc. Info. =

27

Benzene, 1,1'-oxybis	
00101-84-8	53
[1,1'-Biphenyl]-3-ol	
00580-51-8	28
[1,1'-Biphenyl]-2-ol	
00090-43-7	26
2,4(3H,5H)-Furandion	
22884-84-0	25
1,3-Benzoxazepine-2-	
16393-03-6	25
1,1'-Biphenyl, 2-but	
55059-22-8	20
Quinaldonitrile, 3-h	
15462-43-8	20
1H,3H-Naphtho[1,8-cd	
00203-84-9	18
1H-Indene, 1-ethylid	
02471-83-2	18



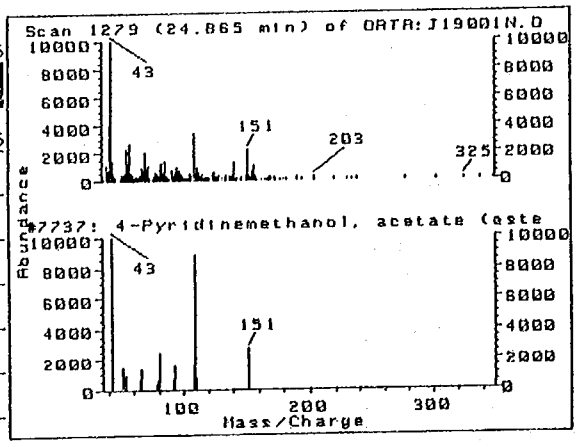
Entry# = 11450 CAS Num = 00101-84-8
Company ID Num = NBS 9/85
Mol.Weight = 170.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, 1,1'-oxybis- (9CI)

Mol. Formula =
C12H10O

Misc. Info. =
Pesticides;

28

Pyridine, 3-butyl-,	
31396-33-5	35
4-Pyridinemethanol,	
01007-48-3	19
Pyridine, 4-butyl-,	
31396-34-6	15



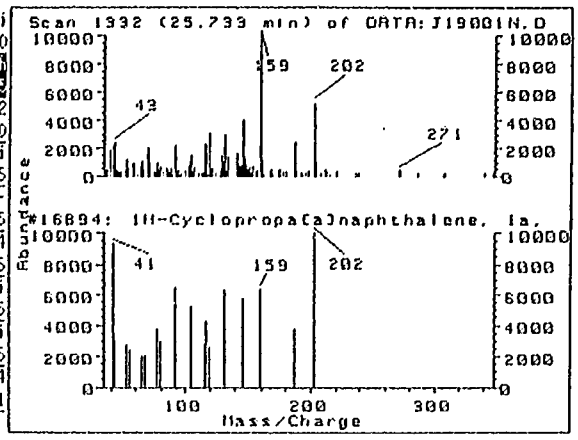
Entry# = 7737 CAS Num = 01007-48-3
Company ID Num = NBS 9/85
Mol.Weight = 151.063 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
4-Pyridinemethanol, acetate (ester) (8CI9CI)

Mol. Formula =
C8H9NO2

Misc. Info. =
Alkaloids;

29

Cadina-1(10),6,8-tri	
01460-96-4	30
1H-Cyclopropa[a]naph	
34143-96-9	28
2(5H)-Furanone, 5-(2	
55591-07-6	20
1H-Indole, 1,2,3-tri	
01971-46-6	15
Oxazole, 5-methyl-2-	
05221-67-0	15
Naphthalene, 1,2,3,4	
00483-77-2	15
1H-Indole, 5,6,7-tri	
54340-99-7	15
1H-Indole, 2,3,5-tri	
21296-92-4	15
3-Cyclohexen-1-ol, 4	
68573-21-7	11



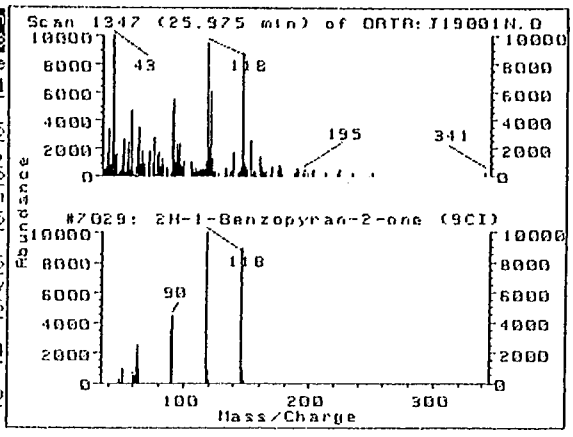
Entry# = 16894 CAS Num = 34143-96-9
Company ID Num = NBS 9/85
Mol.Weight = 202.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Cyclopropa[a]naphthalene, 1a,2,6,7,7a,7b-hexahydro-1,1,7,7a-tetramethyl-, [1aR-(1a.alpha.,7.alpha.,7a.alpha.,7b.alpha.)]- (9CI)

Mol. Formula =
C15H22

Misc. Info. =

30

2H-1-Benzopyran-2-on	
00091-64-5	83
1,2-Naphthalenedione	
00007-20-5	41
Benzofuran (8CI)(9CI)	
00271-89-6	35
1(2H)-Naphthalenone,	
00529-34-0	25
Pyridine, 3-(3,4-dih	
00532-12-7	25
2(1H)-Quinazolinone	
07471-58-1	25
1,2-Benzenedicarboxy	
04316-23-8	25
2(1H)-Quinoxalinone	
01196-57-2	24
Phthalazin-1-one	
00119-39-1	20



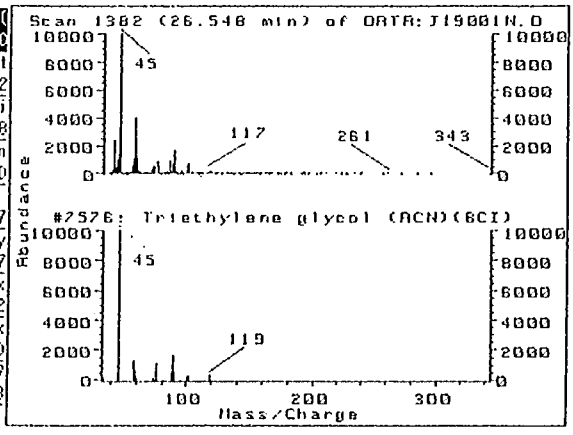
Entry# = 7029 CAS Num = 00091-64-5
Company ID Num = NBS 9/85
Mol.Weight = 146.036 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2H-1-Benzopyran-2-one (9CI)

Mol. Formula =
C9H6O2

Misc. Info. =
Drugs; Misc. Natural products;

31

Triethylene glycol (	
00112-27-6	70
Ethanol, 2-[2-(2-but	
00143-22-6	62
Ethanol, 2,2'-(oxybi	
00112-60-7	58
Ethanol, 2-[2-(ethen	
00929-37-3	40
Paraldehyde	
00123-63-7	37
Propanoic acid, 2-hy	
00547-64-8	37
3,6,9,12-Tetraoxahex	
01559-34-8	32
2-Butanone, 3-hydrox	
00513-86-0	30
1,3-Butanediol (8CI)	
00107-88-0	28



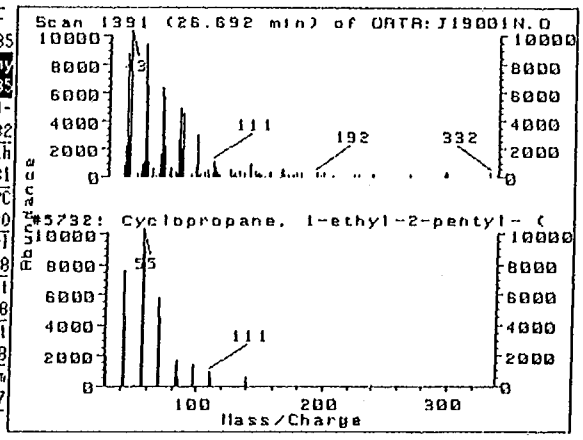
Entry# = 7576 CAS Num = 00112-27-6
Company ID Num = NBS 9/85
Mol.Weight = 150.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Triethylene glycol (ACN)(8CI)

Mol. Formula =
C6H14O4

Misc. Info. =
Carbohydrates; Pesticides;

32

3-Tetradecene, (Z)-	
41446-67-7	35
Cyclopropane, 1-ethy	
62238-08-8	35
Cyclodecane, methyl-	
13151-43-4	32
1-Octene, 3,7-dimeth	
04984-01-4	31
Cyclododecane (8CI)(9C	
00294-62-2	30
Cyclopentane, pentyl	
03741-00-2	28
Butanoic acid, 3-met	
02445-77-4	28
Butanoic acid, 2-met	
02445-78-5	28
Ethanone, 1-(2,2-dim	
03664-75-3	27



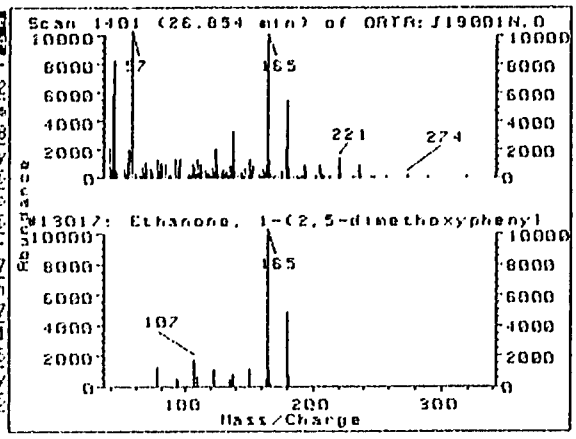
Entry# = 5732 CAS Num = 62238-08-8
Company ID Num = NBS 9/85
Mol.Weight = 140.156 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopropane, 1-ethyl-2-pentyl- (9CI)

Mol. Formula =
C10H20

Misc. Info. =

33

Ethanone, 1-(2,5-dim	
01201-38-3	64
3-Buten-2-one, 4-(4-	
03160-40-5	42
Thiazolo[5,4-d]pyrim	
19835-21-3	38
9H-Fluorene, 9-methy	
02523-37-7	38
Ethanone, 1-(2-hydro	
04223-64-1	30
Silane, trimethyl(4-	
17902-32-8	27
Silane, ethoxydimeth	
01825-58-7	27
Benzenethiol, 4-(1,1	
15570-10-2	26
Arsenous acid, methy	
40515-06-8	26



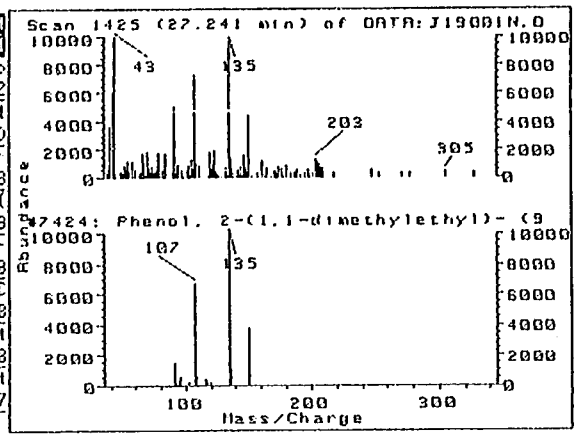
Entry# = 13017 CAS Num = 01201-38-3
Company ID Num = NBS 9/85
Mol.Weight = 180.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 1-(2,5-dimethoxyphenyl)- (9CI)

Mol. Formula =
C10H12O3

Misc. Info. =

34

Phenol, 2-(1,1-dimet	
00088-18-6	51
Ethanone, 1-(2-hydro	
01450-72-2	42
Phenol, 3-(1,1-dimet	
00585-34-2	30
Phenol, 2,3,5,6-tetr	
00527-35-5	28
Phenol, 5-methyl-2-(	
00089-83-8	28
Phenol, 2-ethyl-4,5-	
02219-78-5	28
Phenol, diethyl- (8C	
26967-65-7	28
Pyrazolo[5,1-c]-as-t	
06726-50-7	28
Benzene, (1-ethoxyet	
03299-05-6	27



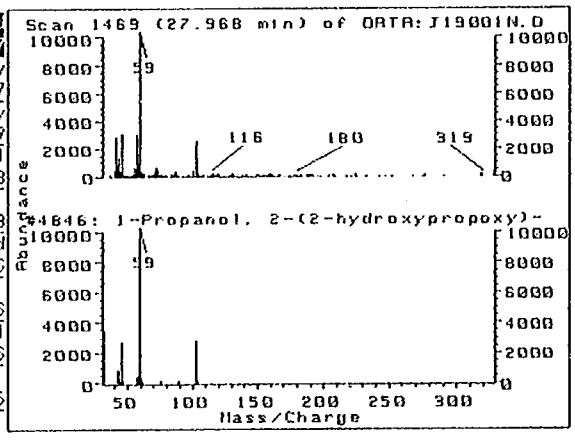
Entry# = 7424 CAS Num = 00088-18-6
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2-(1,1-dimethylethyl)- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

35

1-Propanol, 2-(2-hyd	
00106-62-7	67
2-Butanol, 1-methoxy	
53778-73-7	37
Pentanamide, 4-methy	
01119-29-5	27
Butanamide, 3-methyl	
00541-46-8	28
Pentanamide (9CI)	
00626-97-1	28
Butanoic acid, 2-hyd	
29674-47-3	26
Butanamide (9CI)	
00541-35-5	26
Pentanal, oxime (9CI	
00628-79-5	26
Propane, 2-methoxy-	
00598-53-8	25



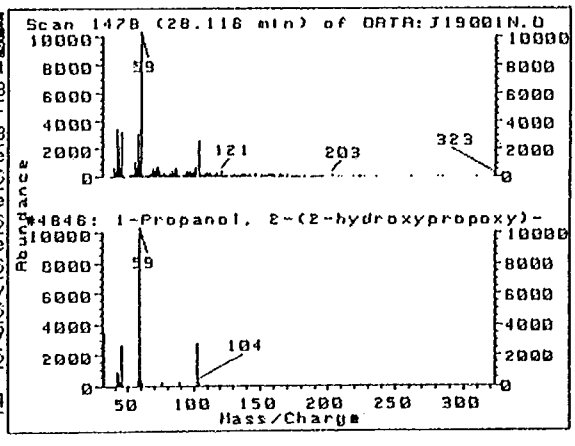
Entry# = 4846 CAS Num = 00106-62-7
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI,9CI)

Mol. Formula =
C6H14O3

Misc. Info. =

36

1-Propanol, 2-(2-hyd	
00106-62-7	58
2-Propanol, 1-(1-met	
55956-25-7	58
Butane, 2-methoxy-3-	
62016-49-3	38
2-Pentanol, 2,4-dime	
00625-06-9	36
2-Pentanol, 2,3-dime	
04911-70-0	36
Oxepane, 2,2,3-trime	
23120-43-6	36
2-Propanol, 1-ethoxy	
01569-02-4	36
Silane, hexyl- (8CI9	
01072-14-6	35
Pentane, 2-methoxy-	
06795-88-6	34



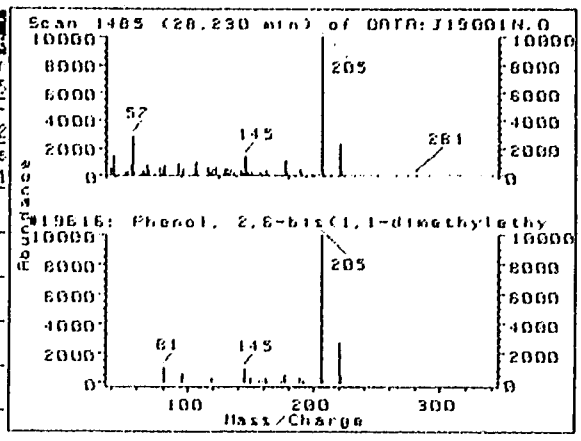
Entry# = 4846 CAS Num = 00106-62-7
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI,9CI)

Mol. Formula =
C6H14O3

Misc. Info. =

37

Phenol, 2,6-bis(1,1-	
00128-37-0	88
2-Phenazinecarbonitr	
06479-93-2	35
Phenol, 2,6-bis(1,1-	
01918-11-2	32
1,3-Dioxa-2,4,6-trie	
17945-19-6	31



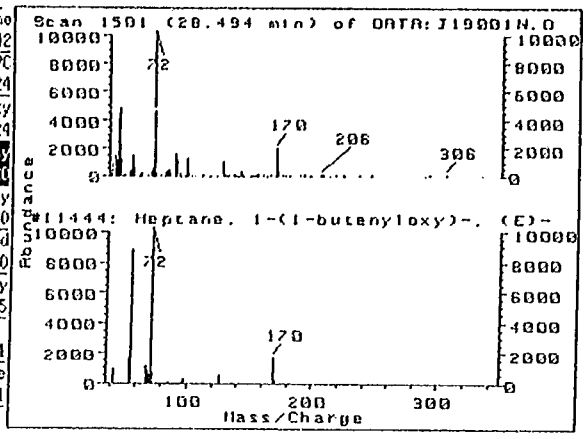
Entry# = 19616 CAS Num = 00128-37-0
Company ID Num = NBS 9/85
Mol.Weight = 220.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (9CI)

Mol. Formula =
C15H24O

Misc. Info. =
Drugs; Pesticides;

38

2-Propanol, 1-((1-mo	
19343-24-9	42
2-Propenoic acid (9C	
00079-10-7	24
1-Propene, 3-methoxy	
00627-40-7	24
Heptane, 1-(1-buteny	
56052-80-3	20
Heptane, 1-(1-buteny	
56052-79-0	20
Cyclohexanone, 4-hyd	
17429-06-0	20
Hydrazine, 2-propeny	
07422-78-8	15
Ethylamine (8CI)	
00075-04-7	11
2-Hexanone, 3,4-dime	
19550-10-8	11



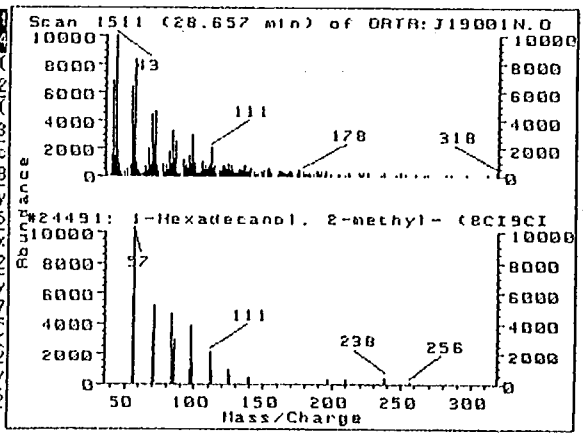
Entry# = 11444 CAS Num = 56052-80-3
Company ID Num = NBS 9/85
Mol.Weight = 170.166 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Heptane, 1-(1-butenyloxy)-, (E)- (9CI)

Mol. Formula =
C11H22O

Misc. Info. =

39

1-Hexadecanol, 2-met	
02490-48-4	64
5-Octadecene, (E)- (	
07206-21-5	62
3-Octadecene, (E)- (	
07206-19-1	53
Ethanol, 2-(tetradec	
02136-70-1	48
Cyclohexane, (1-hexy	
04443-60-1	45
Eicosane, 9-cyclohex	
04443-61-2	42
Ethanol, 2-(hexadecy	
02136-71-2	37
5-Eicosene, (E)- (9C	
74685-30-6	36
Dodecane 6-cyclohexy	
13151-86-5	35



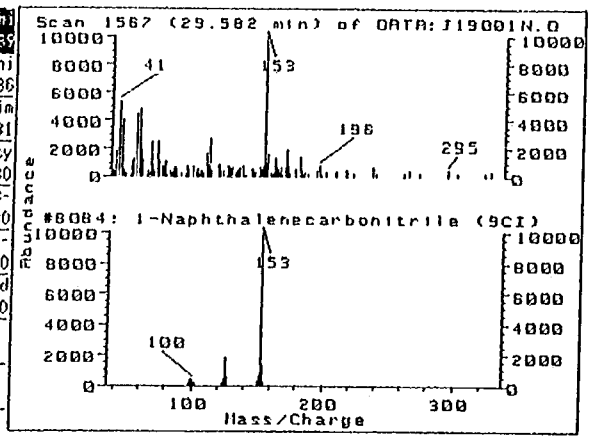
Entry# = 24491 CAS Num = 02490-48-4
Company ID Num = NBS 9/85
Mol.Weight = 256.275 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Hexadecanol, 2-methyl- (8CI,9CI)

Mol. Formula =
C17H36O

Misc. Info. =

40

1-Naphthalenecarboni	
00086-53-3	39
2-Naphthalenecarboni	
00613-46-7	36
Benzenamine, 3,4-dim	
06315-89-5	31
Naphthalene, 1-isocy	
01984-04-9	30
Benzene, 1-fluoro-3-	
00404-72-8	30
Benzene, 1-fluoro-4-	
01544-68-9	30
Thiazolo[3,2-a]pyrid	
23003-45-4	30



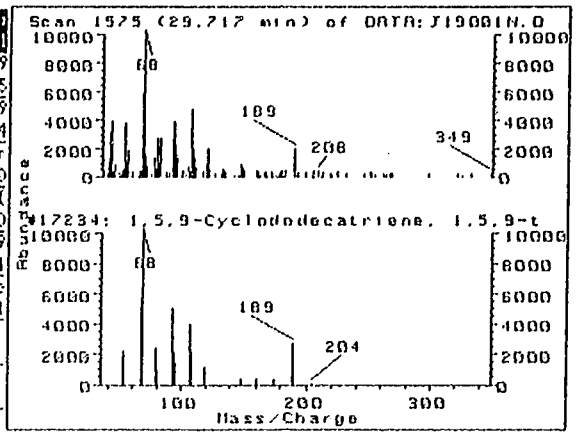
Entry# = 8084 CAS Num = 00086-53-3
Company ID Num = NBS 9/85
Mol.Weight = 153.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Naphthalenecarbonitrile (9CI)

Mol. Formula =
C11H7N

Misc. Info. =

41

1,5,9-Cyclododecatri	
21064-19-7	91
1,4-Pentadiene (8CI9	
00591-93-5	25
2,3-Pentadiene (8CI9	
00591-96-8	24
Cyclobutaneacetonitr	
55760-15-1	20
3-Nonen-1-ol, (E)- (	
10339-61-4	20
1,3-Pentadiene (8CI9	
00504-60-9	11
Cyclobutane, methyle	
01120-56-5	11



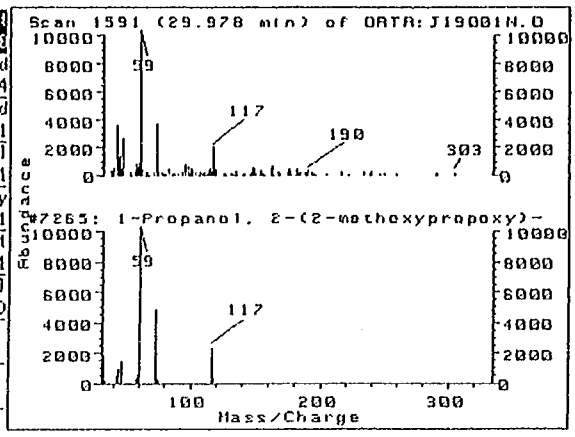
Entry# = 17234 CAS Num = 21064-19-7
Company ID Num = NBS 9/85
Mol.Weight = 204.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,5,9-Cyclododecatriene, 1,5,9-trimethyl- (8CI9CI)

Mol. Formula =
C15H24

Misc. Info. =

42

1-Propanol, 2-(2-met	
13588-28-8	58
Butanoic acid, 2-hyd	
29674-47-3	34
Butanoic acid, 2-hyd	
52089-54-0	31
Butanamide, 3-methyl	
00541-46-8	31
Propanoic acid, 2-hy	
02110-78-3	31
Propanenitrile, 3-et	
02141-62-0	31
Pentanal, oxime (9CI	
00628-79-5	30



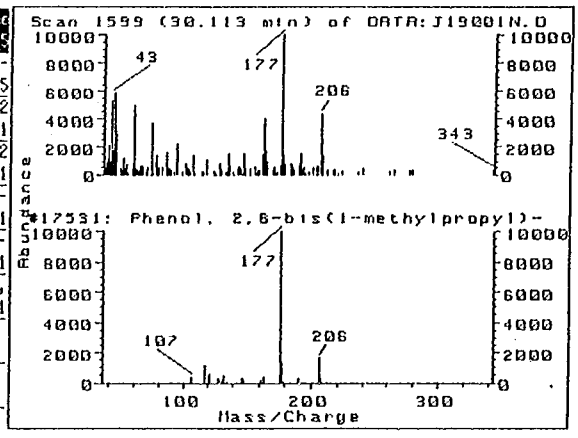
Entry# = 7265 CAS Num = 13588-28-8
Company ID Num = NBS 9/85
Mol.Weight = 148.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-methoxypropoxy)- (8CI9CI)

Mol. Formula =
C7H16O3

Misc. Info. =

43

Phenol, 2,6-bis(1-me	
05510-99-6	15
Spiro[cyclopenta[d]-	
62238-26-0	15
4(1H)-Pteridinone, 2	
00708-75-8	11
4(1H)-Pteridinone, 2	
13040-58-9	11
4-Pyrimidinamine, 5-	
58758-95-5	11
Phenol, 4-amino-3,5-	
26271-75-0	11
Benzeneacetonitrile,	
00093-17-4	11



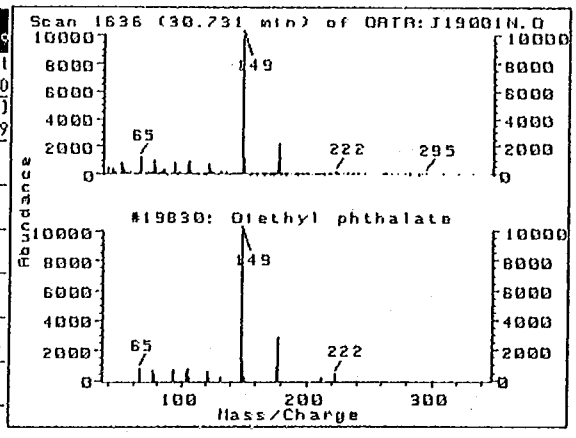
Entry# = 17531 CAS Num = 05510-99-6
Company ID Num = NBS 9/85
Mol.Weight = 206.166 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1-methylpropyl)- (9CI)

Mol. Formula =
C14H22O

Misc. Info. =

44

Diethyl phthalate	
00084-66-2	79
Benzothiazole, 2-met	
00120-75-2	30
1H-s-Triazolo[1,5-a]	
13980-64-8	29



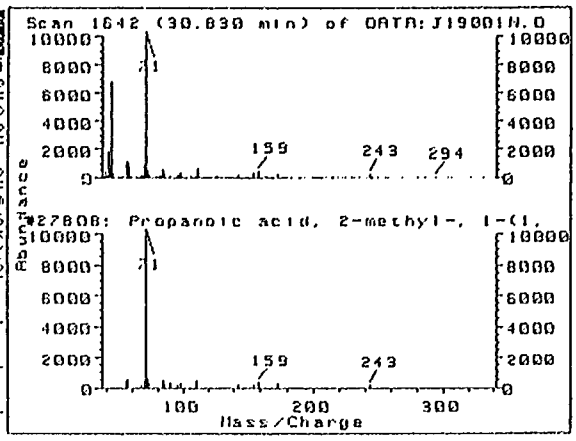
Entry# = 19830 CAS Num = 00084-66-2
Company ID Num = NBS 9/85
Mol.Weight = 222.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Diethyl phthalate

Mol. Formula =
C12H14O4

Misc. Info. =
Pesticides; Priority Pollutants;

45

Propanoic acid, 2-me
74381-40-1 78
2,6-Octadiene-4,5-di
04486-59-3 52
Butanoic acid, 2-pro
02051-78-7 52
Ethane, isocyanato-
00109-90-0 52
1-Hexene, 3,4,5-trim
56728-10-0 15
Octane, 3-ethyl- (8C
05881-17-4 15



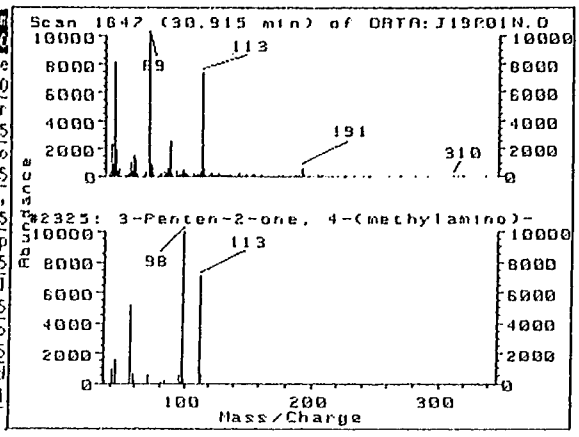
Entry# = 27808 CAS Num = 74381-40-1
Company ID Num = NBS 9/85
Mol.Weight = 286.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester (9CI)

Mol. Formula =
C16H3004

Misc. Info. =

46

3-Penten-2-one, 4-(m
14092-14-9 20
3-Piperidinone, 1-me
05519-50-6 20
1H-Imidazole, 4-nitr
03034-38-6 15
1H-Pyrazole, 4-nitro
02075-46-9 15
Furan, tetrahydro-2,
04457-62-9 15
2-Butenoic acid, 2-p
20474-93-5 15
Ethanone, 1-(2-ethyl
74646-02-9 15
2,4-Imidazolidinedio
27086-67-5 15
2,6-Octadiene, 4,5-d
18476-57-8 11



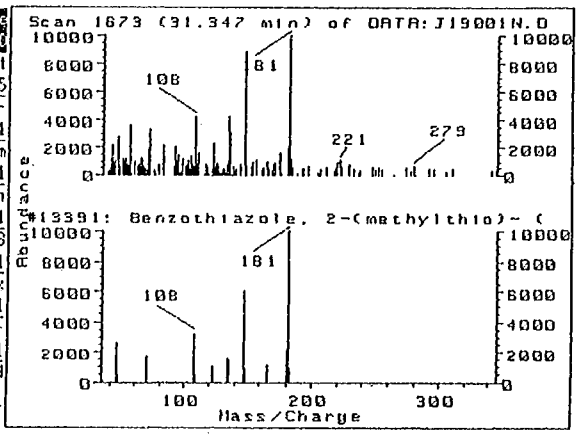
Entry# = 2325 CAS Num = 14092-14-9
Company ID Num = NBS 9/85
Mol.Weight = 113.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Penten-2-one, 4-(methylamino)- (8CI9CI)

Mol. Formula =
C6H11NO

Misc. Info. =

47

Benzothiazole, 2-(me
00615-22-5 60
2(3H)-Benzothiazolet
02254-94-6 25
1H-Benzotriazole, 4-
27799-82-2 11
1H-Benzotriazol-5-am
27799-83-3 11
2H-1-Benzopyran-2-on
00119-84-6 11
6(5H)-Pteridinone (8
02432-26-0 11
Benzofuran, 7-methox
07168-85-6 11
Benzenamine, 2-chlor
26825-33-2 11
Carbonimidic chlorid
33278-61-4 11



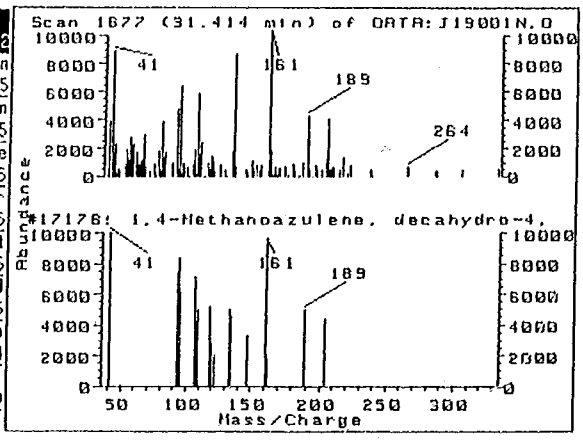
Entry# = 13391 CAS Num = 00615-22-5
Company ID Num = NBS 9/85
Mol.Weight = 181.001 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole, 2-(methylthio)- (8CI9CI)

Mol. Formula =
C8H7NS2

Misc. Info. =

48

1,4-Methanoazulene,
00475-20-7 42
Cyclohexene, 6-ethen
05951-67-7 25
4H-1-Benzopyran-4-on
69687-93-0 25
Cyclohexanol, 3-ethe
69350-62-5 25
Cyclohexanone, 6-fur
17429-54-8 25
2H-2,4a-Methanonapht
01135-66-6 25
Tricyclo[4.1.0.02,4]
56348-21-1 25
4H-1-Benzopyran-4-on
51423-97-3 24
Naphthalene, 1,2,4a,
00523-47-7 20



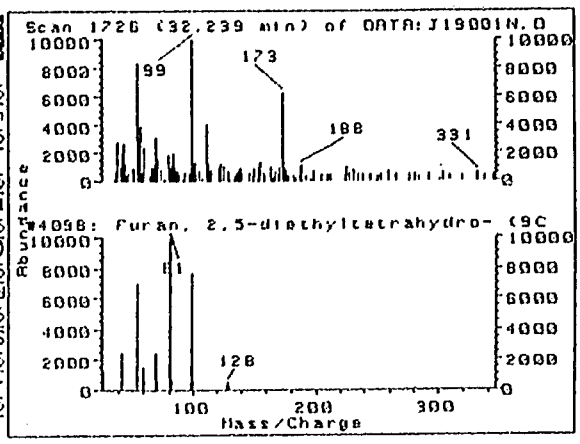
Entry# = 17178 CAS Num = 00475-20-7
Company ID Num = NBS 9/85
Mol.Weight = 204.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,4-Methanoazulene, decahydro-4,8,8-trimethyl-9-methylene-, [1S-(1.alpha.,3a.beta.,4.alpha.,8a.beta.)] - (9CI)

Mol. Formula =
C15H24

Misc. Info. =

49

Furan, 2,5-diethylt
41239-48-9 25
Thiazole, 4-methyl-
00693-95-8 25
1-Penten-3-ol, 3-eth
26832-46-4 25
1-Piperazineethanol
00103-76-4 25
2(3H)-Furanone, 5-et
02865-82-9 25
2-Piperidinone (9CI)
00675-20-7 25
1,4-Dioxaspiro[4.5]d
22428-87-1 25
Hexanethioic acid, S
02432-77-1 25
Oxirane, 2-methyl-2-
42328-43-8 25



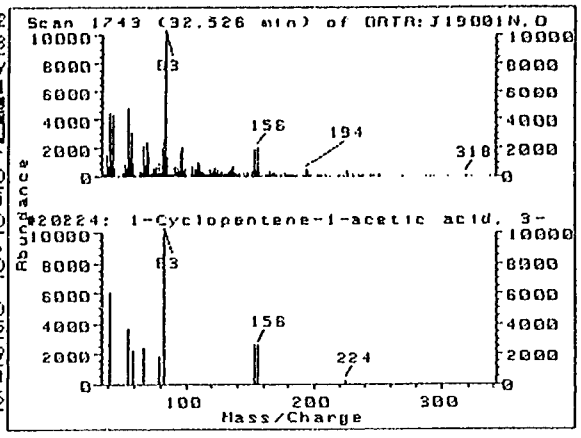
Entry# = 4098 CAS Num = 41239-48-9
Company ID Num = NBS 9/85
Mol.Weight = 128.119 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Furan, 2,5-diethyltetrahydro- (9CI)

Mol. Formula =
C8H16O

Misc. Info. =

50

2-Heptene, 5-ethyl-2
74421-06-0 33
Cyclopentane, 1-ethy
16747-50-5 31
1-Cyclopentene-1-ace
24863-70-5 31
Phosphorous acid, tr
00102-85-2 30
Cyclohexanecarboxyli
04840-76-0 30
1,5-Heptadien-4-one,
00546-49-6 30
Cyclohexanecarbonyl
02719-27-9 30
2-Pentene, 5-bromo-2
56312-52-8 29
2-Octen-4-one, 2-met
19860-71-0 25



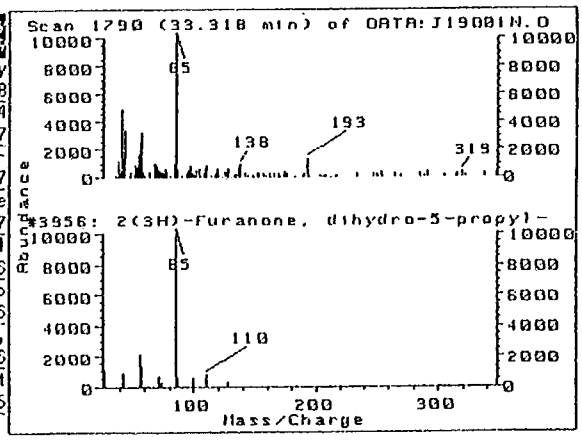
Entry# = 20224 CAS Num = 24863-70-5
Company ID Num = NBS 9/85
Mol.Weight = 224.140 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Cyclopentene-1-acetic acid, 3-oxo-2-pentyl-, methyl ester (8CI9CI)

Mol. Formula =
C13H20O3

Misc. Info. =

51

2(3H)-Furanone, dihy
00105-21-5 49
2(3H)-Furanone, dihy
00104-61-0 38
Pentane, 3-ethyl-2,4
01068-87-7 37
2-Hexene, 1-methoxy-
56052-84-7 37
2(3H)-Furanone, 5-he
00706-14-9 37
2-Pyrrolidinone (8CI
00616-45-5 36
Ethanone, 1-(1-hydro
17160-89-3 36
Valeric acid, thio-,
02450-11-5 36
Hexane, 2,3,5-trimet
01069-53-0 35



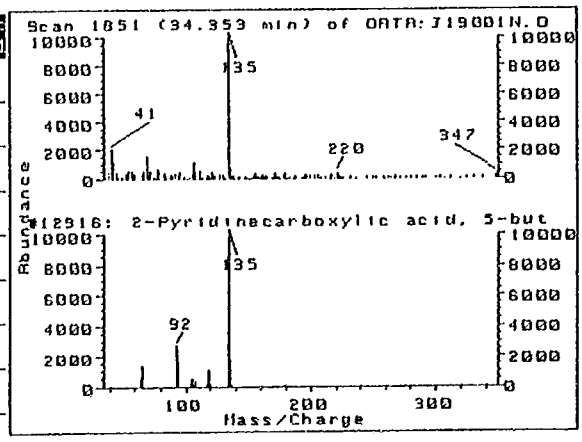
Entry# = 3956 CAS Num = 00105-21-5
Company ID Num = NBS 9/85
Mol.Weight = 128.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(3H)-Furanone, dihydro-5-propyl- (8CI9CI)

Mol. Formula =
C7H12O2

Misc. Info. =

52

2-Pyridinecarboxylic
00536-69-6 41



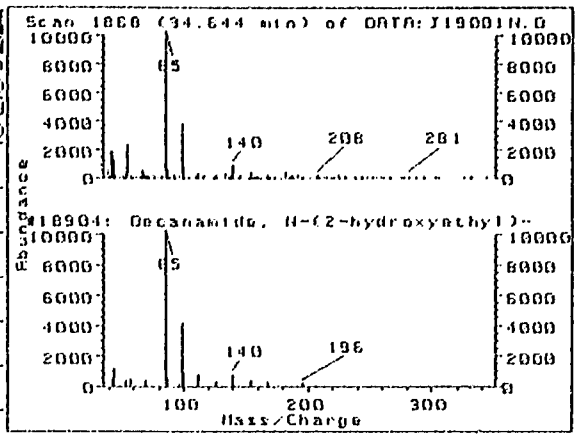
Entry# = 12916 CAS Num = 00536-69-6
Company ID Num = NBS 9/85
Mol.Weight = 179.094 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Pyridinecarboxylic acid, 5-butyl- (9CI)

Mol. Formula =
C10H13NO2

Misc. Info. =
Drugs;

53

Decanamide, N-(2-hyd	
07726-08-1	67
Dodecanamide, N-(2-h	
00142-78-9	60
Octanamide, N-(2-hyd	
07112-02-9	60



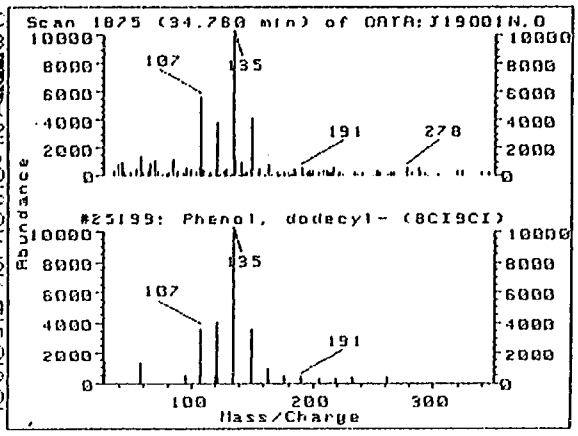
Entry# = 18904 CAS Num = 07726-08-1
Company ID Num = NBS 9/85
Mol.Weight = 215.187 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Decanamide, N-(2-hydroxyethyl)- (8CI9CI)

Mol. Formula =
C12H25NO2

Misc. Info. =

54

Phenol, 4-nonyl- (9C	
00104-40-5	43
Phenol, dodecyl- (8C	
27193-86-8	42
Phenol, 4-dodecyl- (	
00104-43-8	42
Benzeneacetonitrile,	
00501-00-8	30
Oxiranecarboxylic ac	
54852-65-2	30
1H-Indole, 5-fluoro-	
00399-52-0	25
2H-Imidazo[4,5-b]pyr	
16328-62-4	24
Thieno[2,3-c]pyridin	
00272-12-8	20
Silane, trimethylphe	
00768-32-1	20



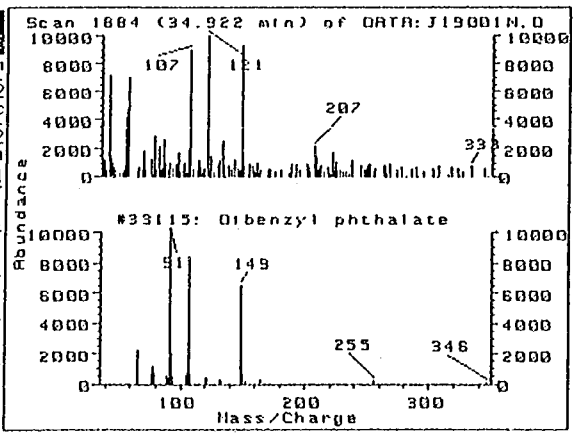
Entry# = 25199 CAS Num = 27193-86-8
Company ID Num = NBS 9/85
Mol.Weight = 262.228 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, dodecyl- (8CI9CI)

Mol. Formula =
C18H30O

Misc. Info. =
Pesticides;

55

Dibenzyl phthalate	
00523-31-9	28
Acetamide, N-(4-meth	
00103-89-9	15
Benzoic acid, 4-[(ac	
27548-25-0	15
Acetamide, N-(3-meth	
00537-92-8	11
1,2-Benzisothiazole,	
06187-89-9	11



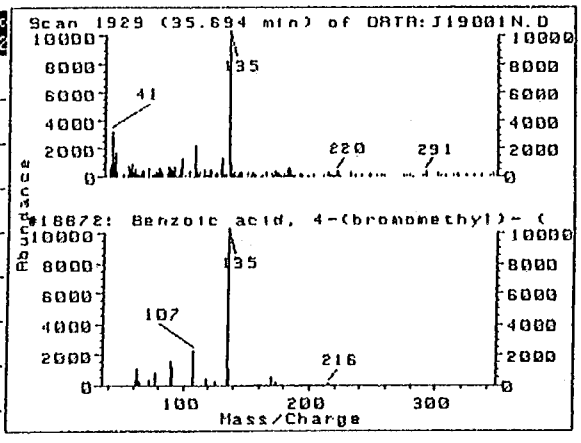
Entry# = 33115 CAS Num = 00523-31-9
Company ID Num = NBS 9/85
Mol.Weight = 346.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Dibenzyl phthalate

Mol. Formula =
C22H18O4

Misc. Info. =

56

Benzoic acid, 4-(bro	
06232-88-8	42



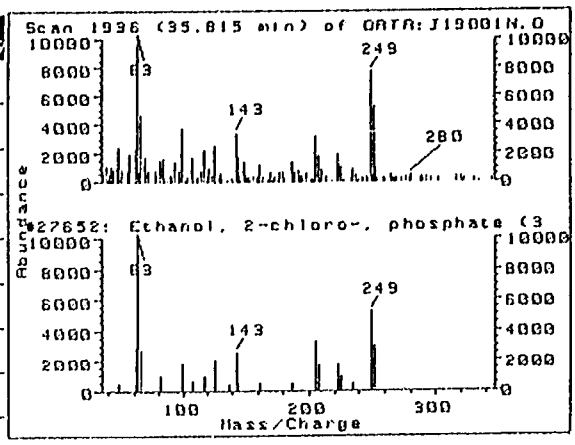
Entry# = 18872 CAS Num = 06232-88-8
Company ID Num = NBS 9/85
Mol.Weight = 213.962 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 4-(bromomethyl)- (9CI)

Mol. Formula =
C8H7BrO2

Misc. Info. =

57

Ethanol, 2-chloro-, 00115-96-8 59



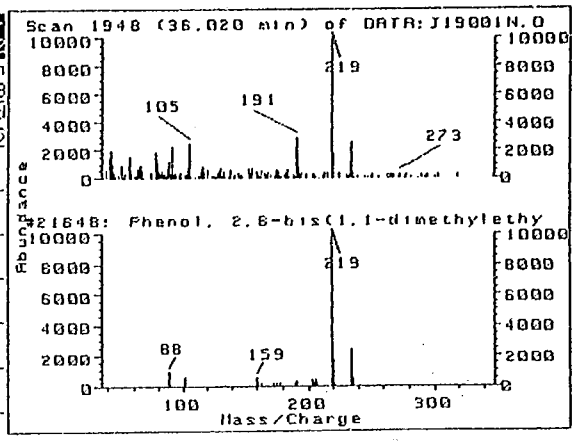
Entry# = 27652 CAS Num = 00115-96-8
Company ID Num = NBS 9/85
Mol.Weight = 283.953 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-chloro-, phosphate (3:1) (8CI9CI)

Mol. Formula =
C6H12Cl3O4P

Misc. Info. =

58

Phenol, 2,6-bis(1,1-, 04130-42-1 52
1H-Pyrrole, 2,4-diph 03274-56-4 28
Pyrido[3,4-d]pyrimid 22389-81-7 26



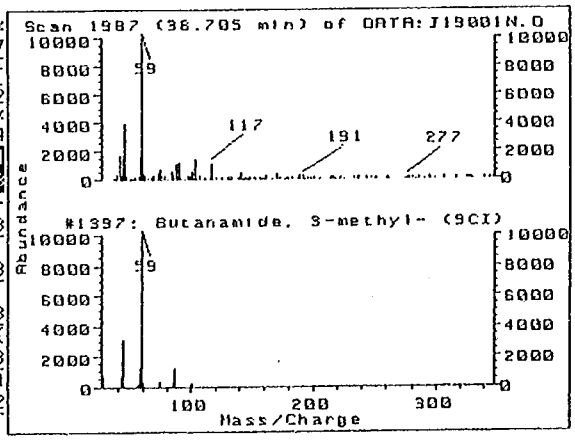
Entry# = 21648 CAS Num = 04130-42-1
Company ID Num = NBS 9/85
Mol.Weight = 234.197 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)-4-ethyl- (9CI)

Mol. Formula =
C16H26O

Misc. Info. =

59

1-Propanol, 2-methox 01589-47-5 47
Butane, 2-methoxy-3- 62016-49-3 45
2-Butanone, 3-hydrox 00115-22-0 44
Butanamide, 3-methyl 00541-46-8 43
Formamide, N-formyl- 18197-25-6 43
Pentanamide (9CI) 00626-97-1 43
Pentane, 2-methoxy- 06795-88-6 43
Ethanol, 2-ethoxy- (00110-80-5 43
Propanenitrile, 3-et 02141-62-0 42



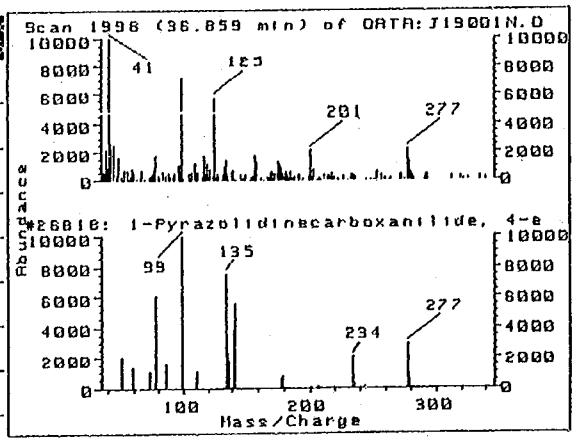
Entry# = 1397 CAS Num = 00541-46-8
Company ID Num = NBS 9/85
Mol.Weight = 101.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butanamide, 3-methyl- (9CI)

Mol. Formula =
C5H11NO

Misc. Info. =

60

1-Pyrazolidinecarbox 24769-38-8 15



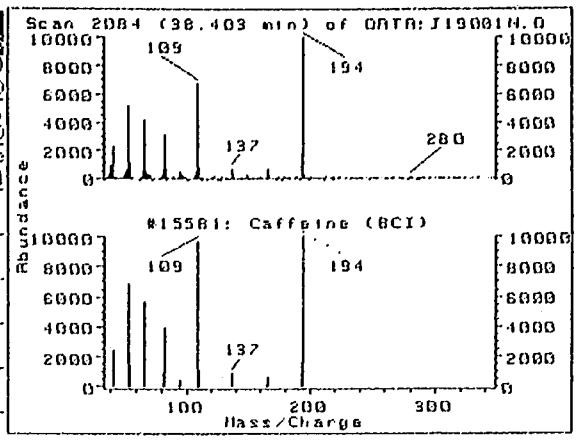
Entry# = 26818 CAS Num = 24769-38-8
Company ID Num = NBS 9/85
Mol.Weight = 277.160 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Pyrazolidinecarboxanilide, 4-ethyl-3-propylthio- (8CI)

Mol. Formula =
C15H23N3S

Misc. Info. =

61

Caffeine (8CI)	
00058-08-2	95
9-Acridinamine (9CI)	
00090-45-9	20
3(2H)-Benzofuranone,	
04225-35-8	20
Bicyclo[2.2.2]octane	
07697-09-8	11



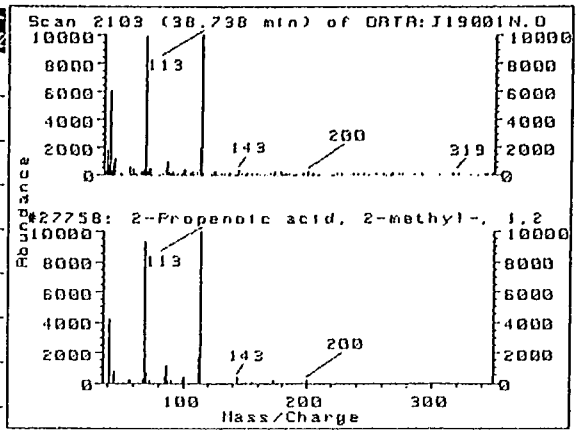
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

62

2-Propenoic acid, 2-	
00109-16-0	52



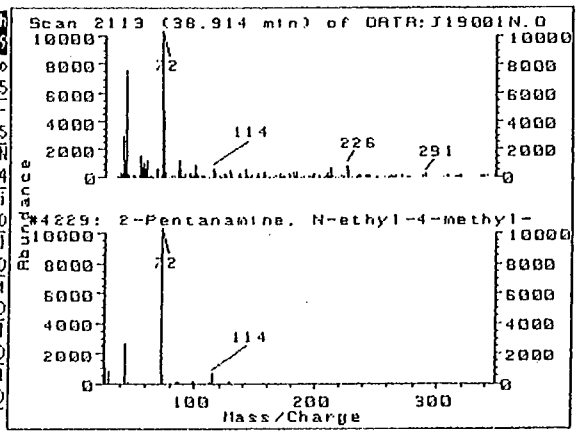
Entry# = 27758 CAS Num = 00109-16-0
Company ID Num = NBS 9/85
Mol.Weight = 286.141 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester (9CI)

Mol. Formula =
C14H22O6

Misc. Info. =
Carbohydrates;

63

2-Pentanamine, N-eth	
42966-64-3	25
Urea, trimethylnitro	
03475-63-6	25
Propanediamide, 2,2-	
42948-58-3	25
1,2-Ethanediamine, N	
00111-39-7	24
2-Butanamine, 3,3-di	
03850-30-4	20
2-Pentanone, 3-ethyl	
06137-03-7	20
L-Alanine, ethyl est	
03082-75-5	20
2-Hexanone, 3-methyl	
02550-21-2	20
2-Heptanamine, 5-met	
53907-81-6	20



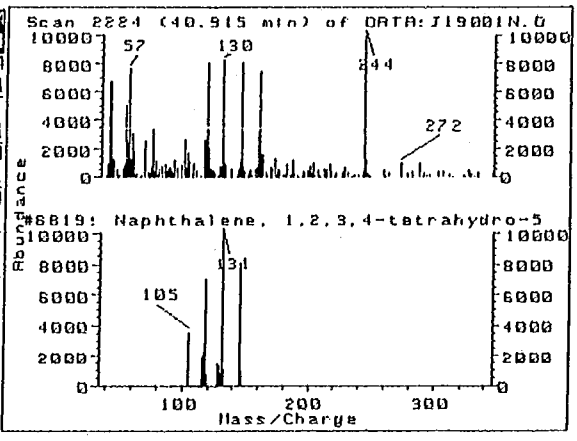
Entry# = 4229 CAS Num = 42966-64-3
Company ID Num = NBS 9/85
Mol.Weight = 129.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Pentanamine, N-ethyl-4-methyl- (9CI)

Mol. Formula =
C8H19N

Misc. Info. =

64

Naphthalene, 1,2,3,4	
02809-64-5	11
Naphthalene, 1,2,3,4	
01680-51-9	11
2(1H)-Quinazolinone	
07471-58-1	11
Naphthalene, 1,2,3,4	
13065-07-1	11
Naphthalene, 1,2,3,4	
07524-63-2	11
2(1H)-Quinoxalinone	
01196-57-2	11



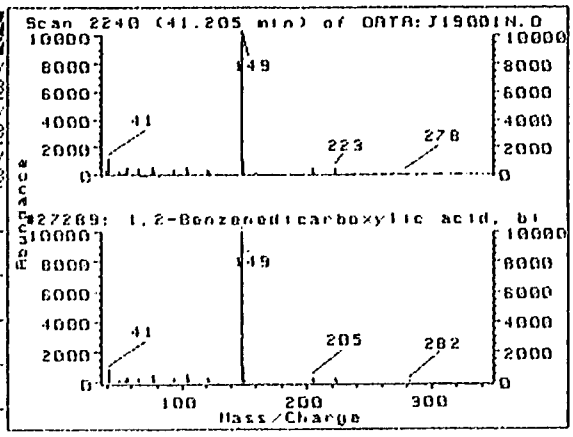
Entry# = 6819 CAS Num = 02809-64-5
Company ID Num = NBS 9/85
Mol.Weight = 146.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 1,2,3,4-tetrahydro-5-methyl- (8CI,9CI)

Mol. Formula =
C11H14

Misc. Info. =

65

1,2-Benzenedicarboxy
00117-82-8 89
1,2-Benzenedicarboxy
17851-53-5 68
1,2-Benzenedicarboxy
00084-64-0 78
1,2-Benzenedicarboxy
00085-69-8 78



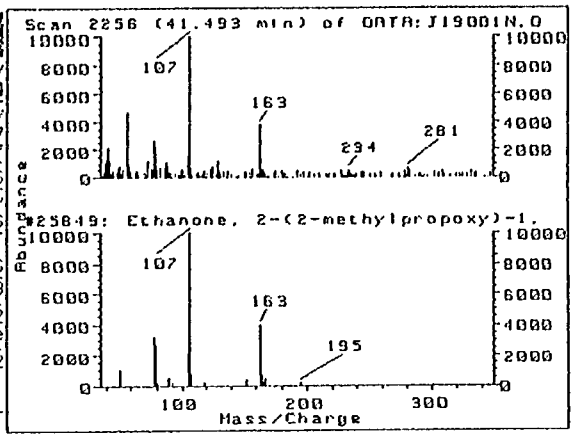
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) e
ster (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

66

Ethanone, 2-(2-methy
22499-12-3 56
Benzenamine, 3-methy
00108-44-1 44
Benzenamine, 2-methy
00095-53-4 37
Benzenemethanamine (
00100-46-9 36
Benzenamine, N-methy
00100-61-8 36
Benzeneacetic acid,
00771-90-4 36
Benzene, nitroso- (8
00586-96-9 35
4-Pyridinecarboxalde
00872-85-5 35



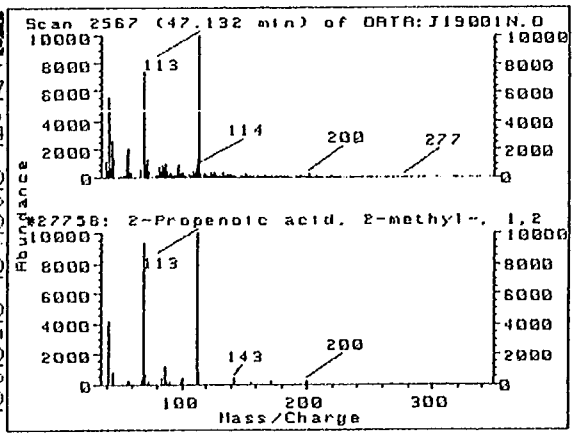
Entry# = 25849 CAS Num = 22499-12-3
Company ID Num = NBS 9/85
Mol.Weight = 268.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 2-(2-methylpropoxy)-1,2-diphenyl- (9CI)

Mol. Formula =
C18H20O2

Misc. Info. =

67

2-Propenoic acid, 2-
00109-16-0 70
2-Propenoic acid, 2-
00109-17-1 37
Furan, tetrahydro-2,
04457-62-9 24
3-Cyclohexen-1-one,
56083-39-7 20
1H-Pyrazole, 4-nitro
02075-46-9 20
1H-Imidazole, 4-nitr
03034-38-6 20
Ethosuximide (USAN)
00077-67-8 20
2-Hexene, 2,5-dimeth
03404-78-2 20
2-Butenoic acid, 2-p
55030-70-1 20



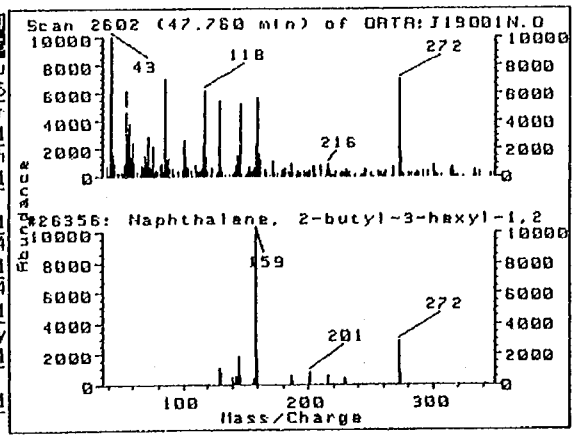
Entry# = 27758 CAS Num = 00109-16-0
Company ID Num = NBS 9/85
Mol.Weight = 286.141 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-
2,1-ethanediyl) ester (9CI)

Mol. Formula =
C14H22O6

Misc. Info. =
Carbohydrates;

68

Naphthalene, 2-butyl
55320-12-2 27
1H-Pyrimido[1,2-a]qu
63658-84-4 15
1H-Pyrrolo[2,3-b]pyr
27257-18-7 11
Pyridine, 3-(3,4-dih
00532-12-7 11
2(1H)-Quinoxalinone
01196-57-2 11
Naphthalene, 1,2,3,4
01680-51-9 11
Naphthalene, 1,2,3,4
02809-64-5 11
Benzene, 4-(2-buteny
54340-66-2 11
Estradiol (8CI)
00050-28-2 11



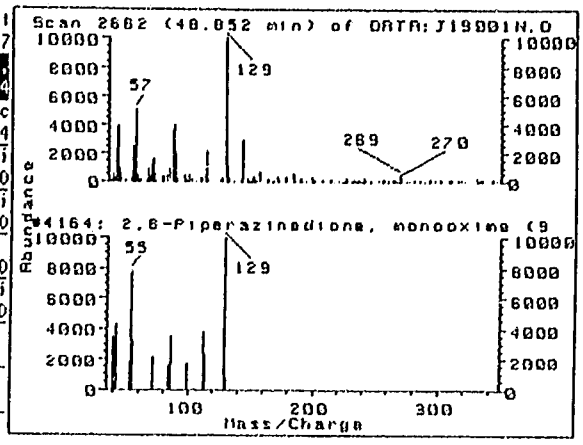
Entry# = 26356 CAS Num = 55320-12-2
Company ID Num = NBS 9/85
Mol.Weight = 272.249 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Naphthalene, 2-butyl-3-hexyl-1,2,3,4-tetrahydro- (9
CI)

Mol. Formula =
C20H32

Misc. Info. =

69

L-Leucine, N-(N-acet 55712-43-1 27
2,6-Piperazinedione, 56700-84-6 24
Boric acid, (2-cyc 74810-48-3 24
Cyclohexanecarboxyli 00943-28-2 20
Cyclohexanecarboxyli 27392-16-1 20
2,4-Difluoroaniline 00367-25-9 20
Cyclohexanecarboxyli 27392-15-0 20



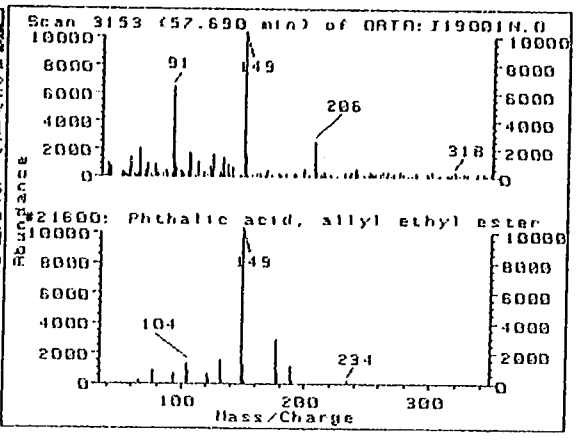
Entry# = 4164 CAS Num = 56700-84-6
Company ID Num = NBS 9/85
Mol.Weight = 129.053 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,6-Piperazinedione, monooxime (9CI)

Mol. Formula =
C4H7N3O2

Misc. Info. =

70

Phthalic acid, allyl 33672-94-5 65
Benzyl butyl phthala 00085-68-7 52
1,2-Benzenedicarboxy 00605-45-8 31
1,2-Benzenedicarboxy 00131-16-8 31
1,5-Benzoxazepine, 2 07160-97-6 30
Carbasedithioic acid 16696-88-1 30



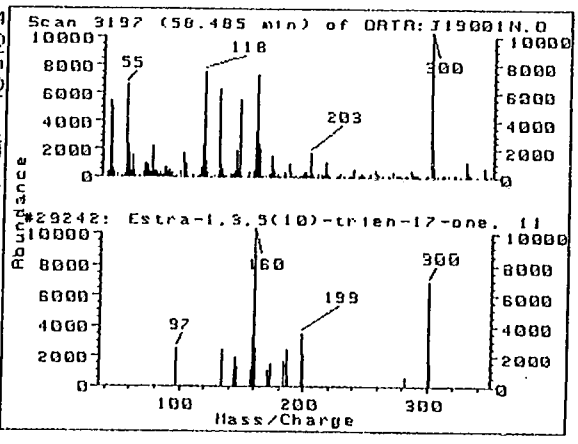
Entry# = 21600 CAS Num = 33672-94-5
Company ID Num = NBS 9/85
Mol.Weight = 234.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phthalic acid, allyl ethyl ester (8CI)

Mol. Formula =
C13H14O4

Misc. Info. =

71

Naphthalene, 1,2,3,4 07524-63-2 20
3H-1,3-Benzodiazepin 46035-38-5 20
1(2H)-Naphthalenone, 00529-34-0 11
Naphthalene, 1,2,3,4 13065-07-1 11
1(2H)-Naphthalenone, 14944-23-1 11
Estra-1,3,5(10)-trie 74299-15-3 11
Estra-1,3,5(10)-tric 05210-12-8 11



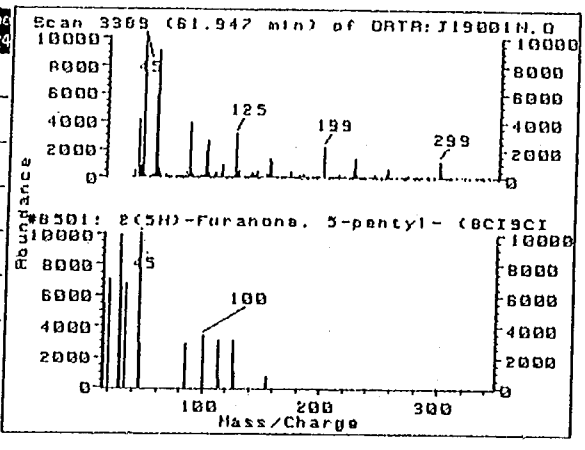
Entry# = 29242 CAS Num = 05210-12-8
Company ID Num = NBS 9/85
Mol.Weight = 300.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Estra-1,3,5(10)-trien-17-one, 11-hydroxy-3-methoxy-, (11.alpha.)- (9CI)

Mol. Formula =
C19H24O3

Misc. Info. =
Steroids;

72

2(5H)-Furanone, 5-pe 21963-26-8 29



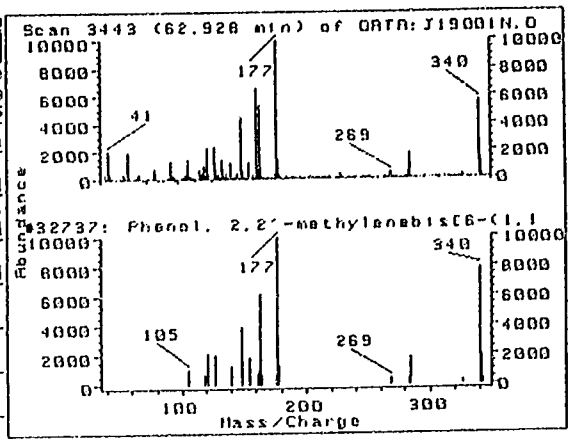
Entry# = 8501 CAS Num = 21963-26-8
Company ID Num = NBS 9/85
Mol.Weight = 154.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(5H)-Furanone, 5-pentyl- (8CI,9CI)

Mol. Formula =
C9H14O2

Misc. Info. =

73

Phenol, 2,2'-methyle
00119-47-1 .71
Phenol, 2,2'-methyle
55334-55-9 20
2H-1,3-Benzoxazine-2
01672-01-1 11
5-Hexen-3-yn-2-one,
29971-61-7 11
Benzeneacetonitrile,
00093-17-4 11
Luminol
00521-31-3 11



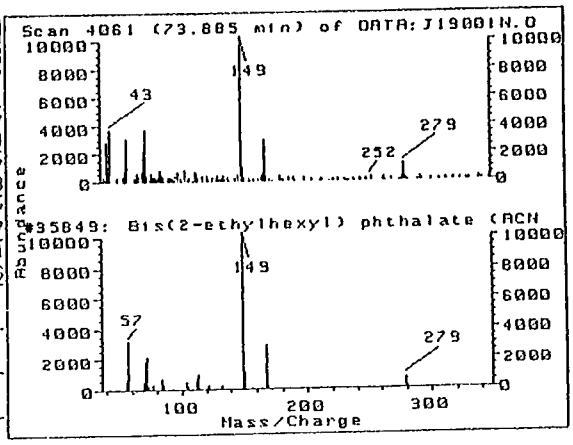
Entry# = 32737 CAS Num = 00119-47-1
Company ID Num = NBS 9/85
Mol.Weight = 340.239 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,2'-methylenebis(6-(1,1-dimethylethyl)-4-m
ethyl- (9CI)

Mol. Formula =
C23H32O2

Misc. Info. =

74

Bis(2-ethylhexyl) ph
00117-81-7 .67
1,2-Benzenedicarboxy
00603-11-2 51
1,2-Benzenedicarboxy
17851-53-5 44
1,2-Benzenedicarboxy
00117-82-8 38
1,2-Benzenedicarboxy
00131-16-8 27
Benzene, 1-isocyanat
18908-07-1 26



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

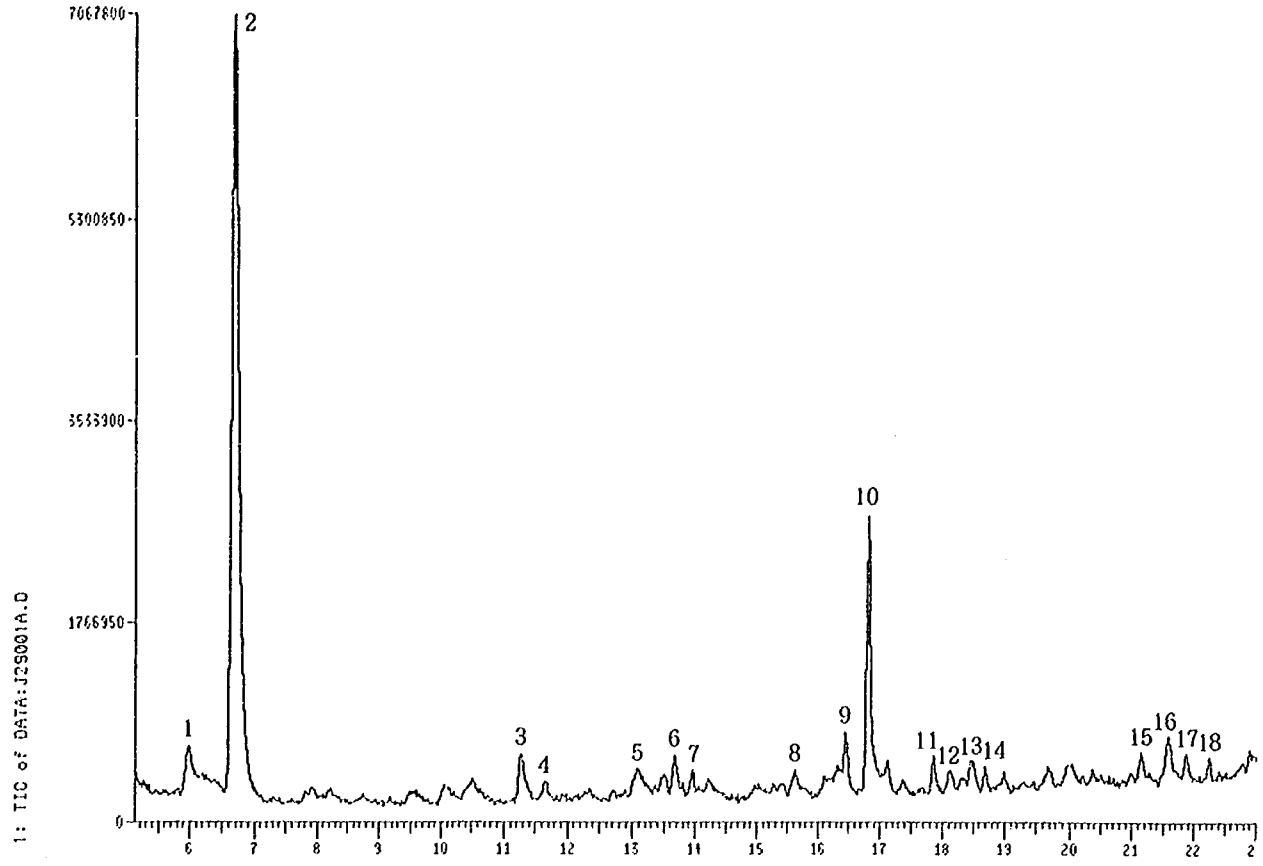
Misc. Info. =
Pesticides; Priority Pollutants;

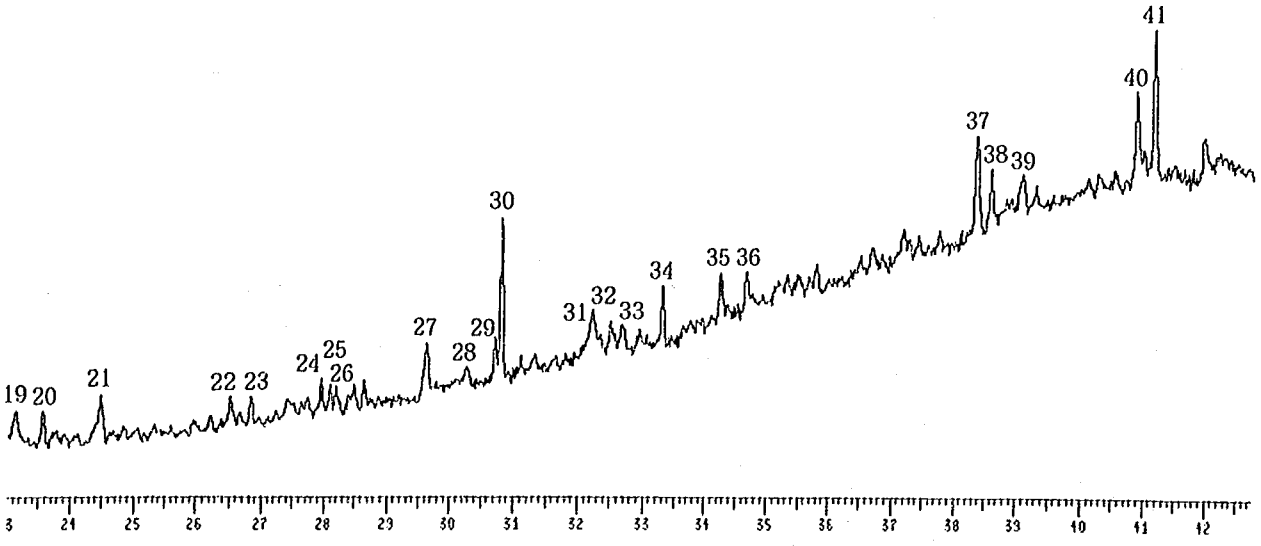
Ⅲ － 2 2

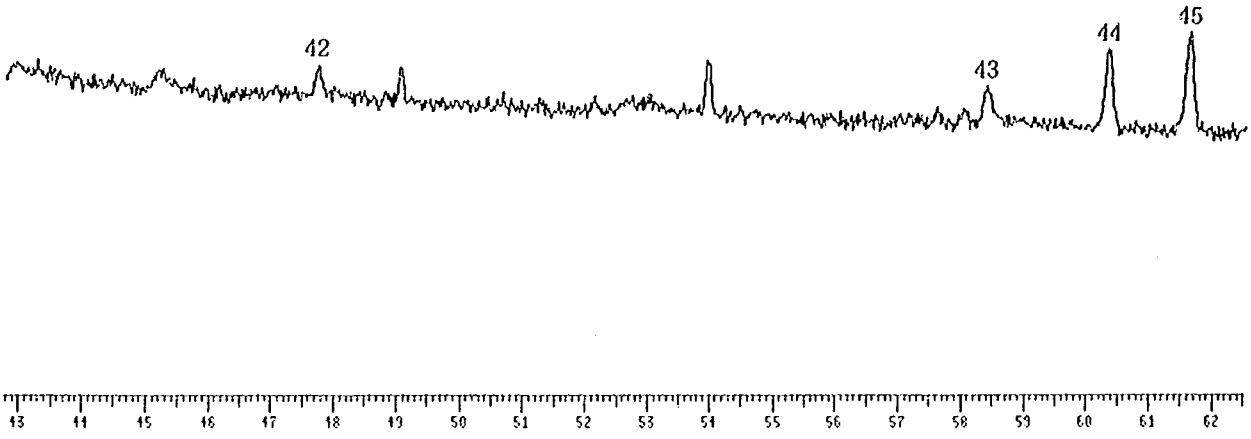
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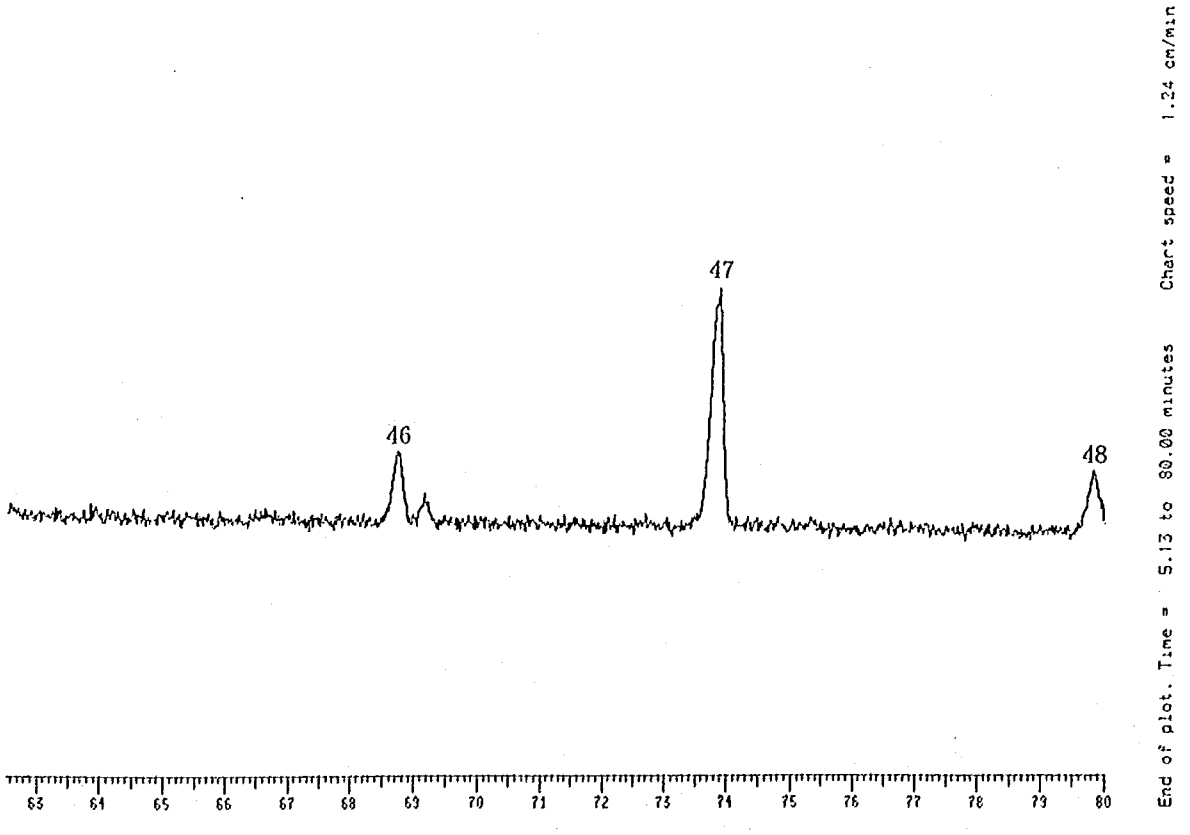
J29001A

No	Name
1	3-Penten-2-one, 4-methyl-
2	unknown
3	unknown
4	unknown
5	Phenol, 4-methyl-
6	Benzoic acid, methyl ester
7	unknown
8	unknown
9	unknown
10	Ethanol, 2-(2-butoxyethoxy)-
11	unknown
12	unknown
13	1,2-Benzisothiazole
14	unknown
15	unknown
16	Phthalic anhydride
17	unknown
18	1,2,3-Propanetriol, diacetate
19	unknown
20	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester
21	unknown
22	3,6,9,12-Tetraoxahexadecan-1-ol
23	unknown
24	unknown
25	1-Propanol, 2-(2-hydroxypropoxy)-
26	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
27	unknown
28	unknown
29	Diethyl phthalate
30	Carbonic acid, dipentyl ester
31	unknown
32	unknown
33	unknown
34	2(3H)-Furanone,dihydro-5-propyl-
35	unknown
36	unknown
37	Caffeine
38	unknown
39	unknown
40	unknown
41	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
42	unknown
43	unknown
44	Pentatriacontane
45	unknown
46	Eicosane, 10-methyl-
47	Bis(2-ethylhexyl) phthalate
48	Pentadecane, 2-methyl-


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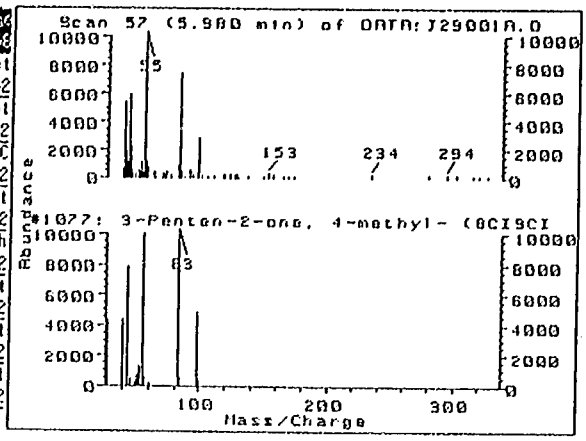

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48
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.00 minutes Chart speed = 1.24 cm/min

1

3-Penten-2-one, 4-me	
00141-79-7	58
2-Pentene, 4,4-dimet	
00762-63-0	52
2-Pentene, 3,4-dimet	
04914-92-5	52
3-Hexen-2-one (8CI9C	
00763-93-9	52
2-Pentene, 4,4-dimet	
26232-98-4	52
1H-Pyrazole, 4,5-dih	
05775-96-2	52
2-Pentene, 2,3-dimet	
10574-37-5	52
2-Pentene, 3,4-dimet	
04914-91-4	52
2-Pentene, 2,4-dimet	
00625-65-0	52



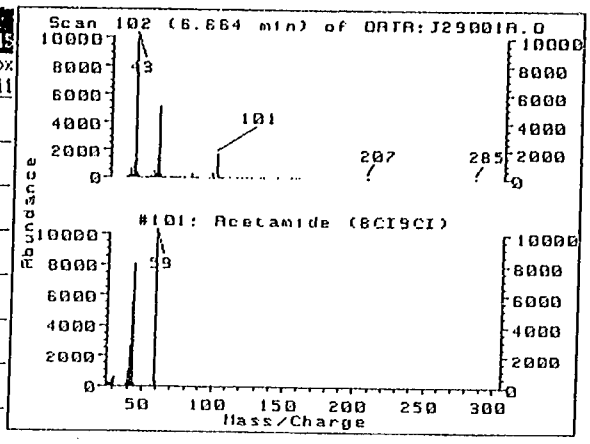
Entry# = 1077 CAS Num = 00141-79-7
Company ID Num = NBS 9/85
Mol.Height = 98.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Penten-2-one, 4-methyl- (8CI9CI)

Mol. Formula =
C6H10O

Misc. Info. =
Pesticides;

2

Acetamide (8CI9CI)	
00060-35-5	15
2-Butanone, 3-hydrox	
00115-22-0	11



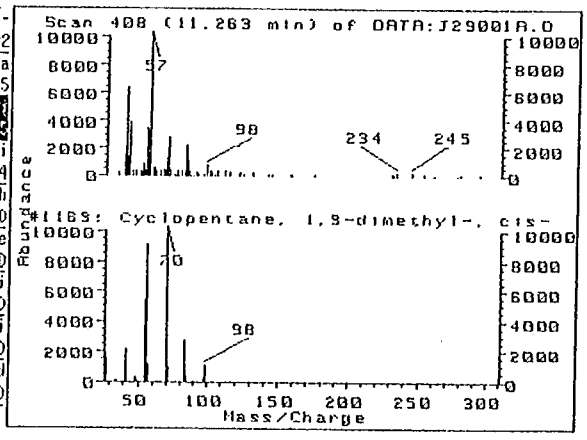
Entry# = 101 CAS Num = 00060-35-5
Company ID Num = NBS 9/85
Mol.Height = 59.037 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Acetamide (8CI9CI)

Mol. Formula =
C2H5NO

Misc. Info. =

3

1-Heptene, 3-methyl-	
04810-09-7	32
2-Pentanol, propanoa	
54004-43-2	25
Cyclopentane, 1,3-di	
02532-58-3	23
Cyclopentane, 1,2-di	
01192-18-3	20
Furan, 3-butyltetrah	
36712-20-6	20
Heptane, 3-methylene	
01632-16-2	20
Cyclopentane, 1,2-di	
02452-99-5	20
Cyclopentane, 1,3-di	
01759-58-6	20
Cyclobutanone, 3,3-d	
01192-33-2	20



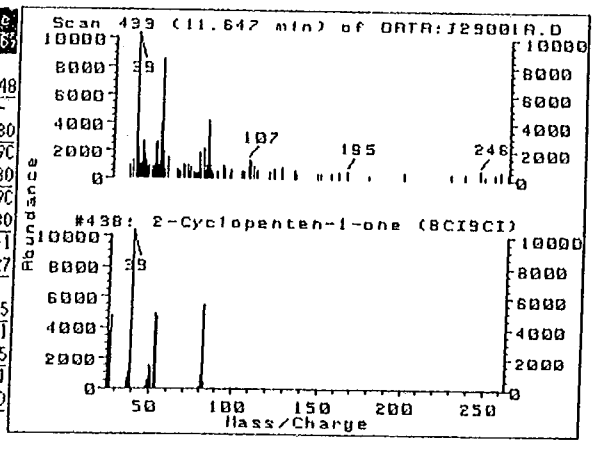
Entry# = 1163 CAS Num = 02532-58-3
Company ID Num = NBS 9/85
Mol.Height = 98.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopentane, 1,3-dimethyl-, cis- (8CI9CI)

Mol. Formula =
C7H14

Misc. Info. =

4

2-Cyclopenten-1-one	
00930-30-3	63
1-Butyne (8CI9CI)	
00107-00-6	48
1-Propene, 3-azido-	
00821-13-6	30
1,2-Butadiene (8CI9C	
00590-19-2	30
1,3-Butadiene (8CI9C	
00106-99-0	30
2,5-Cyclohexadiene-1	
00106-34-3	27
2-Butyne (8CI9CI)	
00503-17-3	25
3,4-Pentadienal (8CI	
04009-55-6	25
Cyclobutane, ethenyl	
02597-49-1	20

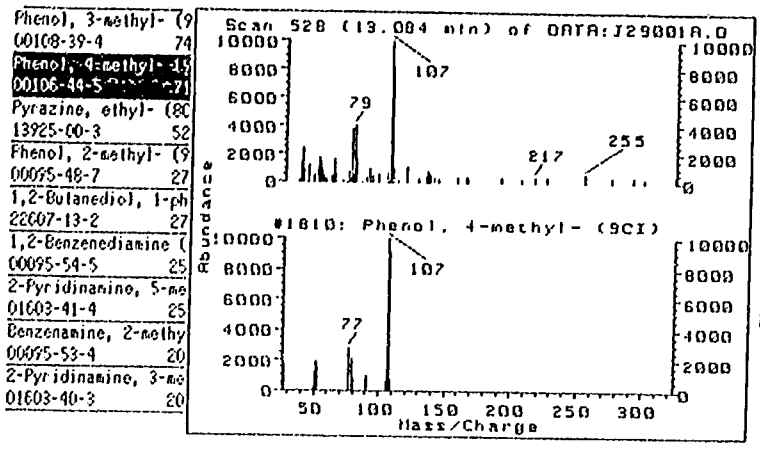


Entry# = 438 CAS Num = 00930-30-3
Company ID Num = NBS 9/85
Mol.Height = 82.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Cyclopenten-1-one (8CI9CI)

Mol. Formula =
C5H6O

Misc. Info. =

5

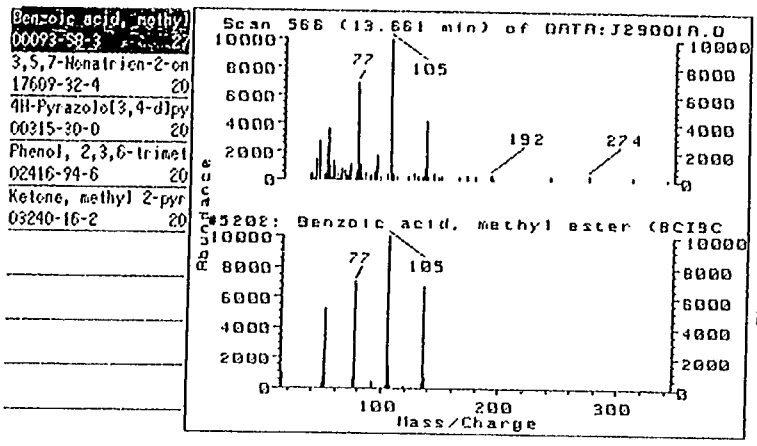


Entry# = 1810 CAS Num = 00106-44-5
Company ID Num = NBS 9/85
Mol.Weight = 108.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 4-methyl- (9CI)

Mol. Formula =
C7H8O

Misc. Info. =
Pesticides;

6

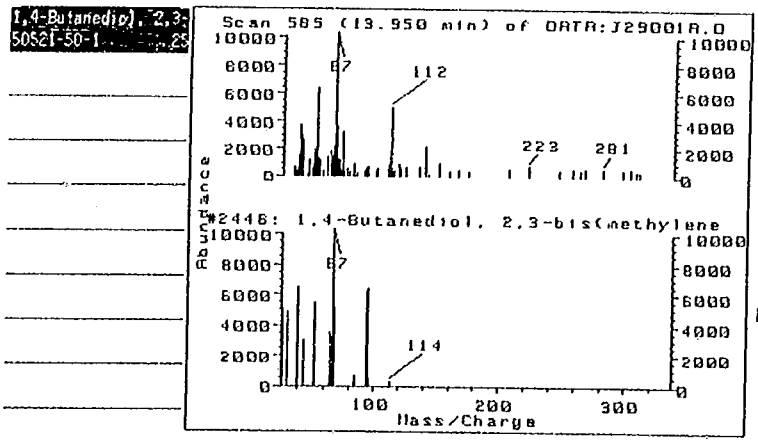


Entry# = 5202 CAS Num = 00093-58-3
Company ID Num = NBS 9/85
Mol.Weight = 136.052 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, methyl ester (8CI9CI)

Mol. Formula =
C8H8O2

Misc. Info. =

7

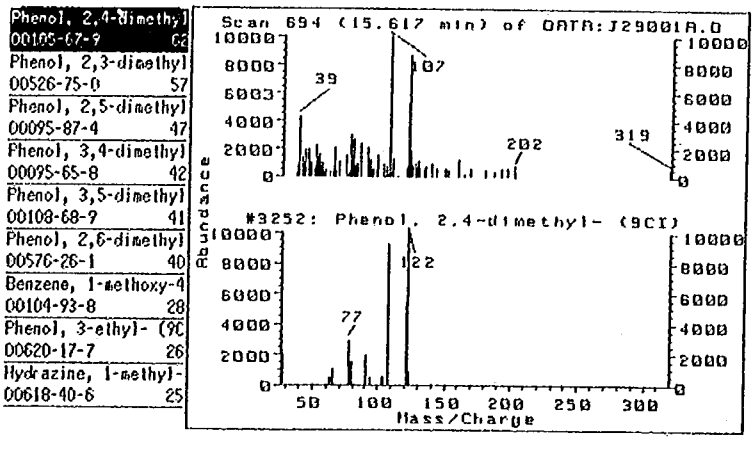


Entry# = 2446 CAS Num = 50521-50-1
Company ID Num = NBS 9/85
Mol.Weight = 114.067 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,4-Butanediol, 2,3-bis(methylene)- (9CI)

Mol. Formula =
C6H10O2

Misc. Info. =

8



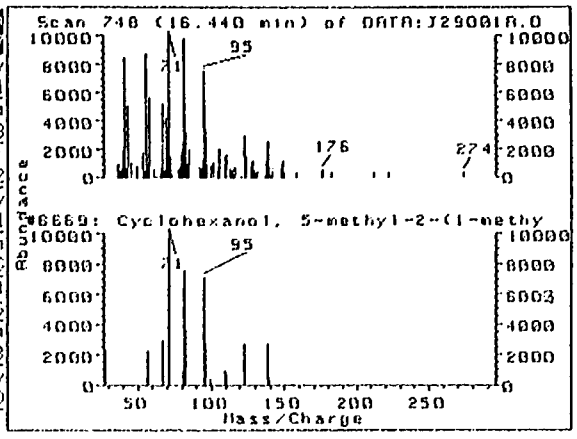
Entry# = 3252 CAS Num = 00105-67-9
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,4-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =
Pesticides; Priority Pollutants;

9

Cyclohexanol, 5-meth	
01490-04-6	67
Cyclohexane, 1-methy	
01679-07-8	61
Cyclohexanol, 5-meth	
15356-70-4	58
Cyclohexane, 2-chlor	
16052-42-9	32
Cyclohexane, 1-methy	
01124-27-2	31
Cyclohexanol, 5-meth	
00490-99-3	26
4,5-Nonadiene, 2-met	
55956-32-6	25
Spiro[3.4]octan-1-on	
65147-55-9	23
Cyclohexene, 4-methy	
00500-00-5	20



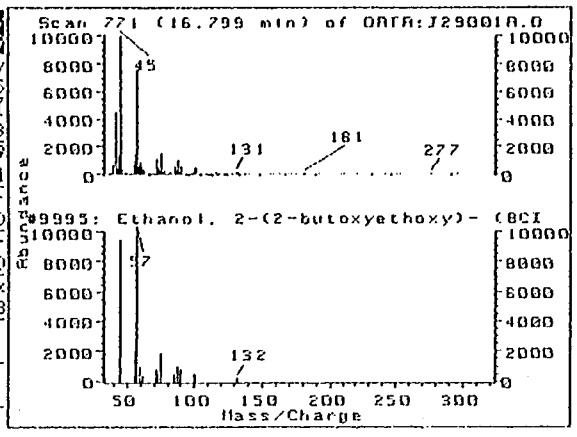
Entry# = 6669 CAS Num = 01490-04-6
Company ID Num = NBS 9/85
Mol.Weight = 156.150 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanol, 5-methyl-2-(1-methylethyl)- (9CI)

Mol. Formula =
C10H20O

Misc. Info. =
Misc. Natural products; Pesticides;

10

Ethanol, 2-(2-butoxy	
00112-34-5	87
Oxirane, 2,3-dimethy	
01758-33-4	36
Butane, 1-methoxy- (	
00628-28-4	33
2,3-Butanediol (8CI9	
00513-85-9	31
2-Butanol, 3-chloro-	
10325-40-3	30
2-Butanol, 3-chloro-	
10325-41-4	30
Acetaldehyde, methox	
10312-83-1	28



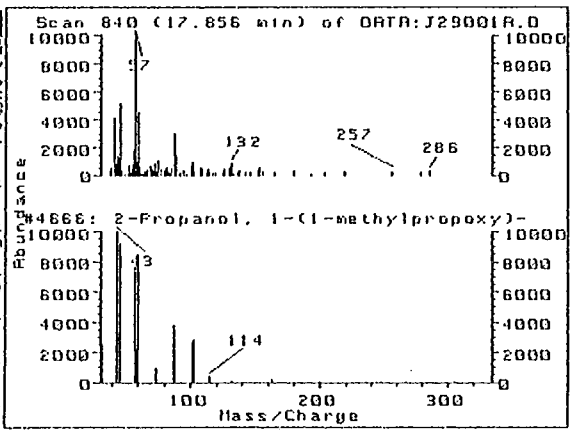
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

11

2-Propanol, 1-(1-met	
53907-95-2	60
Butane, 1-(2-methoxy	
13343-98-1	52
Silane, dimethyl- (8	
01111-74-6	27
Butanamide (9CI)	
00541-35-5	11
3-Heptanol, 4-methyl	
14979-39-6	11
Propanedioic acid, m	
00609-02-9	11
Phosphoric acid, eth	
10429-10-4	11



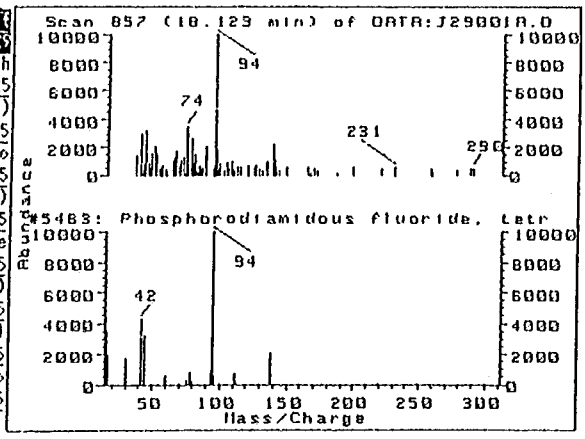
Entry# = 4666 CAS Num = 53907-95-2
Company ID Num = NBS 9/85
Mol.Weight = 132.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-(1-methylpropoxy)- (9CI)

Mol. Formula =
C7H16O2

Misc. Info. =

12

Phosphorodiamidous f	
01735-82-6	25
Benzene, (1,2-dimeth	
62338-26-5	25
4-Pyridinamine (9CI)	
00504-24-5	25
8-Azabicyclo[3.2.1]o	
54725-49-4	25
3-Pyridinamine (9CI)	
00462-08-8	25
Cyclohexene, 3,4-die	
61141-77-3	25
2-Pyridinamine (9CI)	
00504-29-0	25
Pyrimidine, 4-methyl	
03438-46-8	25
8-Azabicyclo[3.2.1]o	
20513-09-1	25



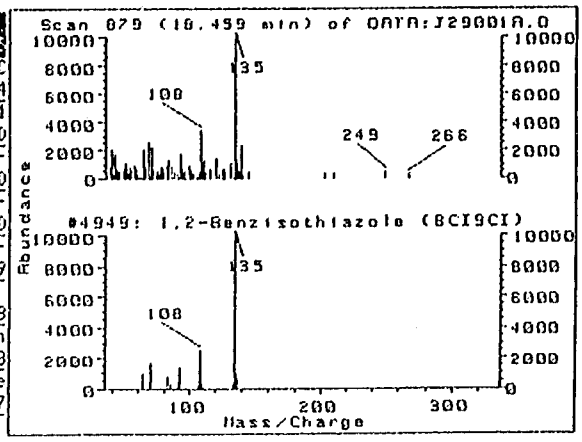
Entry# = 5463 CAS Num = 01735-82-6
Company ID Num = NBS 9/85
Mol.Weight = 138.071 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phosphorodiamidous fluoride, tetramethyl- (8CI9CI)

Mol. Formula =
C4H12FN2P

Misc. Info. =

13

1,2-Benzisothiazole	
00272-16-2	55
Benzothiazole (8CI)(C	
00095-16-9	44
2,1-Benzisoxazol-3(1	
31499-50-8	30
Benzamide, 2-methyl-	
00527-85-5	30
1,2-Benzisothiazole-	
40991-34-2	30
1H-Indole, 5-fluoro-	
00399-52-0	29
Adenine (VAN8CI)	
00073-24-5	28
Thieno[3,2-c]pyridin	
00272-14-0	28
Thiocyanic acid, phe	
05285-87-0	27



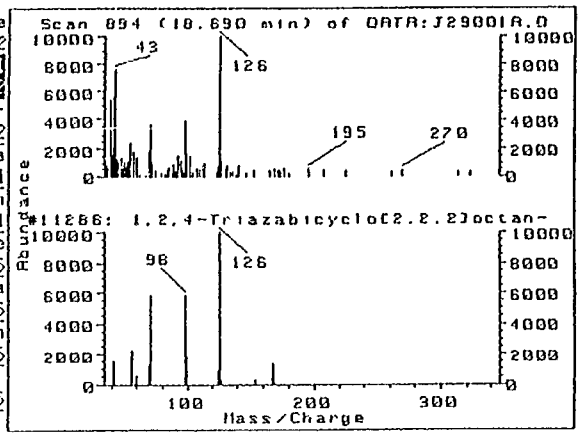
Entry# = 4949 CAS Num = 00272-16-2
Company ID Num = NBS 9/85
Mol.Weight = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzisothiazole (8CI9CI)

Mol. Formula =
C7H5NS

Misc. Info. =

14

1H-1,2,4-Triazol-3-a	
58661-95-3	42
1,2,4-Triazabicyclo[	
29924-76-3	42
Thiophene, 2-propyl-	
01551-27-5	42
1H-1,2,4-Triazol-5-a	
58661-96-4	41
Cyclohexanone, 4-eth	
05441-51-0	41
3-Hepten-2-one, 3-me	
39899-08-6	25
4H-1,2,4-Triazol-3-a	
58661-97-5	25
Ethanone, 1-(3-thien	
01468-83-3	25
Isomaltol	
03420-59-5	25



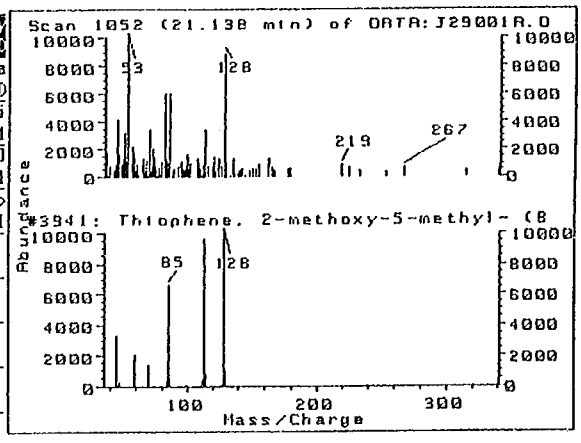
Entry# = 11286 CAS Num = 29924-76-3
Company ID Num = NBS 9/85
Mol.Weight = 169.084 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2,4-Triazabicyclo[2.2.2]octan-3-one, 2-acetyl- (8CI9CI)

Mol. Formula =
C7H11N3O2

Misc. Info. =

15

Thiophene, 2-methoxy	
31053-55-1	20
3-Isothiazolecarboxa	
24342-43-6	20
3-Thiophenecarboxyli	
00088-13-1	11
2-Thiabicyclo[2.2.2]	
00280-41-1	11
1H-Cyclopenta[c]thio	
53907-80-5	11



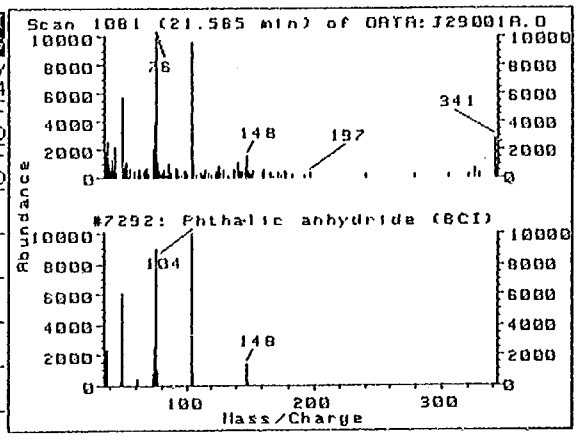
Entry# = 3941 CAS Num = 31053-55-1
Company ID Num = NBS 9/85
Mol.Weight = 128.029 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Thiophene, 2-methoxy-5-methyl- (8CI9CI)

Mol. Formula =
C6H8OS

Misc. Info. =

16

Phthalic anhydride (	
00085-44-9	73
1,2-Benzenedicarboxy	
00088-99-3	74
1-Propene, 3-chloro-	
00107-05-1	20
1-Propene, 1-chloro-	
00590-21-6	20



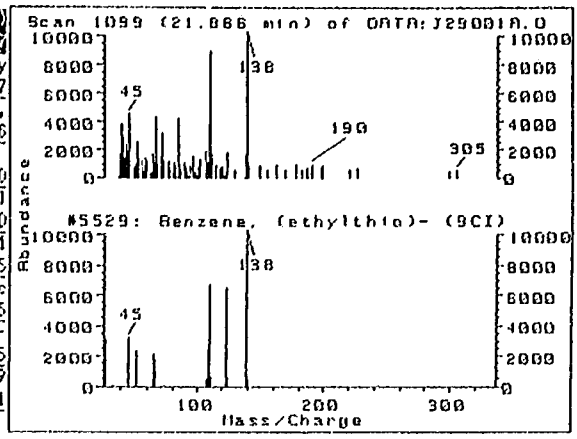
Entry# = 7292 CAS Num = 00085-44-9
Company ID Num = NBS 9/85
Mol.Weight = 148.015 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phthalic anhydride (8CI)

Mol. Formula =
C8H4O3

Misc. Info. =
Carbohydrates; Pesticides;

17

Benzene, (ethylthio)	
00622-38-8	27
Pyrimidine, 5-ethoxy	
35231-57-3	27
2-Propenamide, 3-(3,	
35663-85-5	26
Thiophene, ethenyl-	
30917-44-3	20
Benzenethiol (8CI,9CI	
00108-98-5	20
Pyrazine, methyl-, 1	
31396-35-7	15
3-Pyridinecarboxylic	
05345-47-1	15
2-Propenoic acid, 3-	
00539-47-9	15
Phenol, 3-ethoxy- (9	
00621-34-1	11



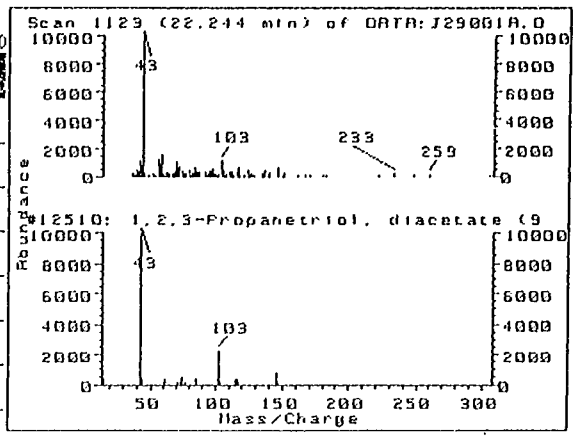
Entry# = 5529 CAS Num = 00622-38-8
Company ID Num = NBS 9/85
Mol.Weight = 138.050 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, (ethylthio)- (9CI)

Mol. Formula =
C8H10S

Misc. Info. =

18

1,2,3-Propanetriol,	
00102-76-1	20
1,2,3-Propanetriol,	
25395-31-7	20



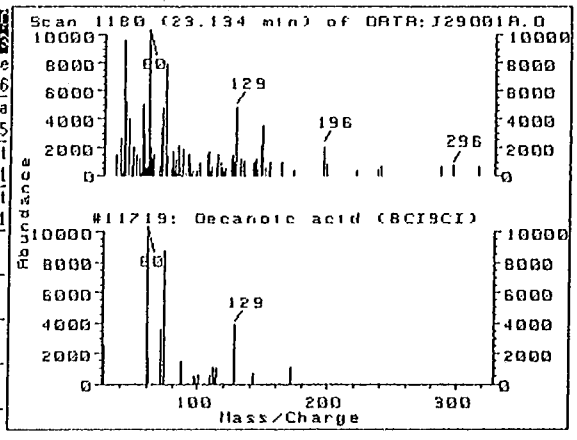
Entry# = 12510 CAS Num = 25395-31-7
Company ID Num = NBS 9/85
Mol.Weight = 176.068 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2,3-Propanetriol, diacetate (9CI)

Mol. Formula =
C7H12O5

Misc. Info. =
Carbohydrates; Fatty acids and Lipids;

19

Decanoic acid (8CI,9C	
00334-48-5	
Decanoic acid, silve	
13126-67-5	26
1,3,4-Thiadiazol-2-a	
14068-53-2	25
Hydrazine, 1,1-dimet	
00057-14-7	11
Hydrazine, 1,2-dimet	
00540-73-8	11



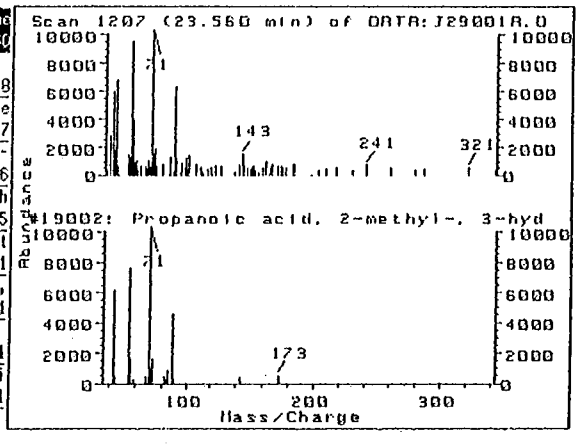
Entry# = 11719 CAS Num = 00334-48-5
Company ID Num = NBS 9/85
Mol.Weight = 172.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Decanoic acid (8CI,9CI)

Mol. Formula =
C10H20O2

Misc. Info. =

20

Propanoic acid, 2-me	
74367-34-3	60
Ethane, isocyanato-	
00109-90-0	38
Methylamine, N-(1-me	
22058-71-5	37
Azetidine, 1-methyl-	
04923-79-9	36
Undecane, 4,6-dimeth	
17312-82-2	15
1-Pentene, 2,4-dimet	
02213-32-3	11
2-Hexene, 5-methyl-,	
07385-82-2	11
Pantolactone	
00599-04-2	11
Cyclopentane, 1,1-di	
01638-26-2	11



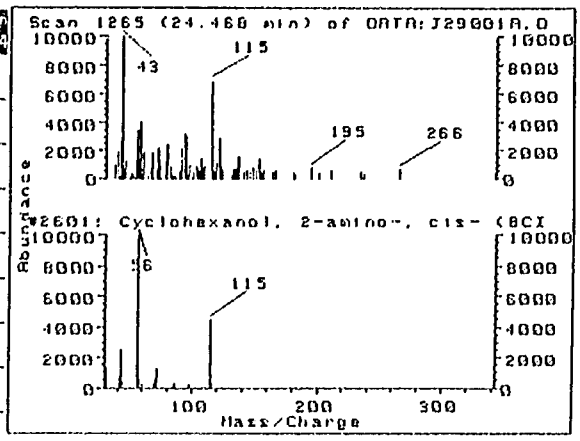
Entry# = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethy
lpentyl ester (9CI)

Mol. Formula =
C12H24O3

Misc. Info. =

21

Cyclohexanol, 2-amin
00931-15-7 [illegible]24



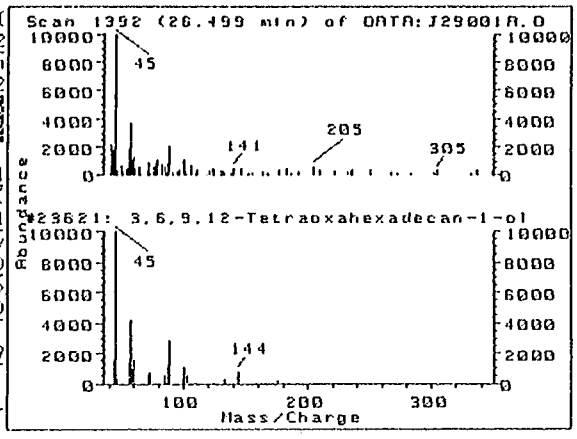
Entry# = 2601 CAS Num = 00931-15-7
Company ID Num = NBS 9/85
Mol.Weight = 115.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanol, 2-amino-, cis- (8CI,9CI)

Mol. Formula =
C6H13NO

Misc. Info. =

22

Triethylene glycol (
00112-27-6 52
Ethanol, 2-[2-(ethen
00929-37-3 52
3,6,9,12-Tetraoxahex
01559-34-8 [illegible]34
Paraldehyde
00123-63-7 41
Butane, 1-methoxy- (
00628-28-4 31
Oxirane, 2,3-dimethy
01758-33-4 30
2-Propanol, 1-chloro
00127-00-4 30
2-Hexanol (8CI,9CI)
00626-93-7 29



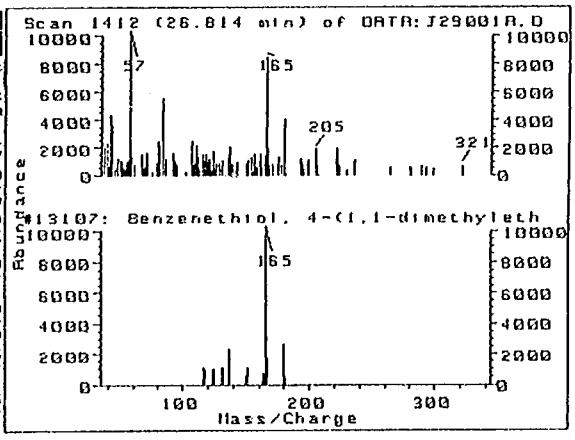
Entry# = 23621 CAS Num = 01559-34-8
Company ID Num = NBS 9/85
Mol.Weight = 250.177 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3,6,9,12-Tetraoxahexadecan-1-ol (8CI,9CI)

Mol. Formula =
C12H26O5

Misc. Info. =
Carbohydrates;

23

Benzenethiol, 4-(1,1
15570-10-2 [illegible]41
Silane, trimethyl(3-
17902-31-7 34
Ethanone, 1-(2,5-dim
01201-38-3 31
Phenol, (1,1-dimethy
25013-16-5 30
Thiazolo[5,4-d]pyrim
19835-21-3 30
9H-Fluorene, 9-methy
02523-37-7 30
3-Buten-2-one, 4-(4-
03160-40-5 30
Ethanone, 1-(3,4-dim
01131-62-0 26
Silane, (4-methoxyph
00877-68-9 26



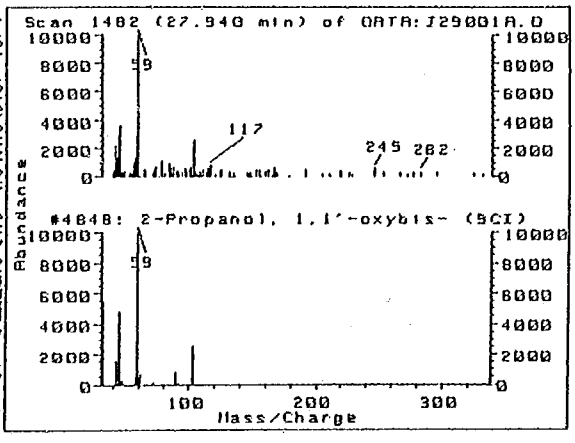
Entry# = 13107 CAS Num = 15570-10-2
Company ID Num = NBS 9/85
Mol.Weight = 180.096 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzenethiol, 4-(1,1-dimethylethyl)-2-methyl- (9CI)

Mol. Formula =
C11H16S

Misc. Info. =

24

Butane, 2-methoxy-3-
62016-49-3 45
Pentane, 2-methoxy-
06795-88-6 45
Oxepane, 2,2,4-trime
23120-44-7 42
2-Butanone, 3-hydrox
00115-22-0 42
Pentanamide (9CI)
00626-97-1 42
2-Butanol, 1-methoxy
53778-73-7 42
2-Propanol, 1,1'-oxy
[illegible] 45
2-Propanol, 1-ethoxy
01569-02-4 41
1-Propanol, 2-ethoxy
19089-47-5 41



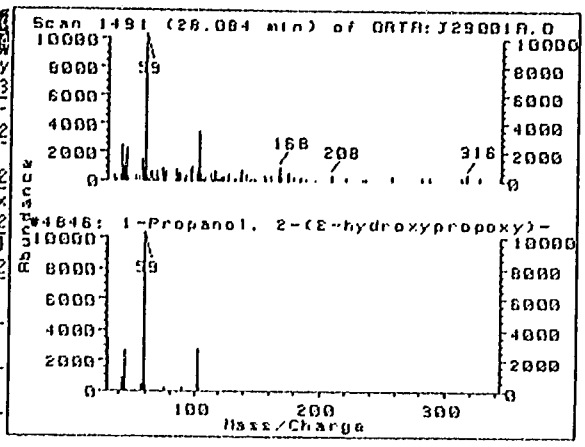
Entry# = 4848 CAS Num = 00110-98-5
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1,1'-oxybis- (9CI)

Mol. Formula =
C6H14O3

Misc. Info. =
Carbohydrates;

25

1-Propanol, 2-(2-hyd	
00106-62-7	46
Propanoic acid, 2-hy	
02110-78-3	43
Formamide, N-formyl-	
18197-25-6	42
Pentanamide (9CI)	
00626-97-1	42
2-Propanol, 1-methox	
03587-64-2	42
Ethane, 1,1'-(methyl	
00462-95-3	42



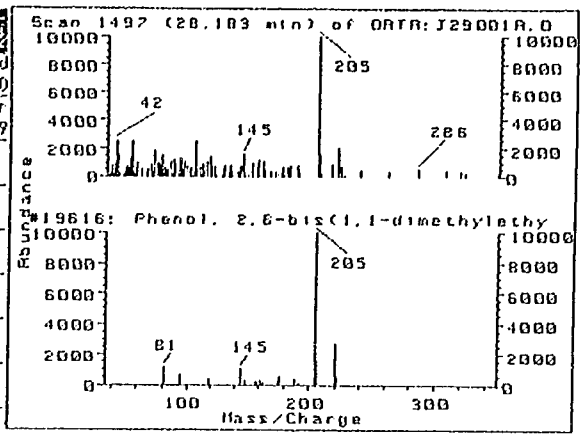
Entry# = 4846 CAS Num = 00106-62-7
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI9CI)

Mol. Formula =
C6H14O3

Misc. Info. =

26

Phenol, 2,6-bis(1,1-	
00128-37-0	52
Pyrido[3,2-d]pyrimid	
16953-81-4	30
2-Phenazinecarbonitr	
00479-93-2	29



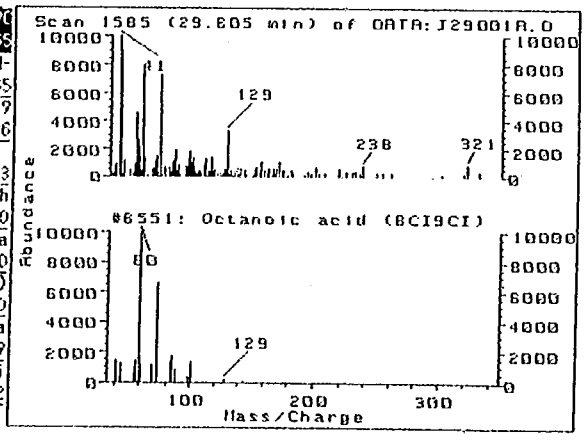
Entry# = 19616 CAS Num = 00128-37-0
Company ID Num = NBS 9/85
Mol.Weight = 220.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (9CI)

Mol. Formula =
C15H24O

Misc. Info. =
Drugs; Pesticides;

27

Octanoic acid (8CI9C	
00124-07-2	65
Glycine, N-methyl-N-	
00097-78-9	65
Heptanoic acid (8CI9	
00111-14-8	36
Butanoic acid (9CI)	
00107-92-6	33
Isoxazolidine, 5-eth	
56728-14-4	30
Cyclopentaneacetic a	
01123-00-8	30
Pentanoic acid (9CI)	
00109-52-4	30
D-Glucose, 4-O-.beta	
00063-42-3	29
Dodecanamide, N,N-bi	
00120-40-1	12



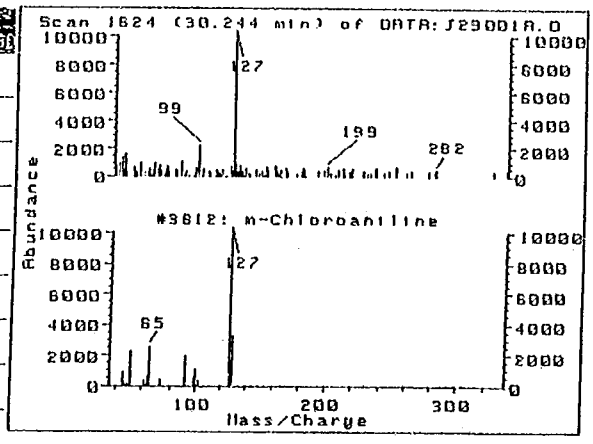
Entry# = 6551 CAS Num = 00124-07-2
Company ID Num = NBS 9/85
Mol.Weight = 144.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Octanoic acid (8CI9CI)

Mol. Formula =
C8H16O2

Misc. Info. =
Pesticides;

28

m-Chloroaniline	
00108-42-9	56

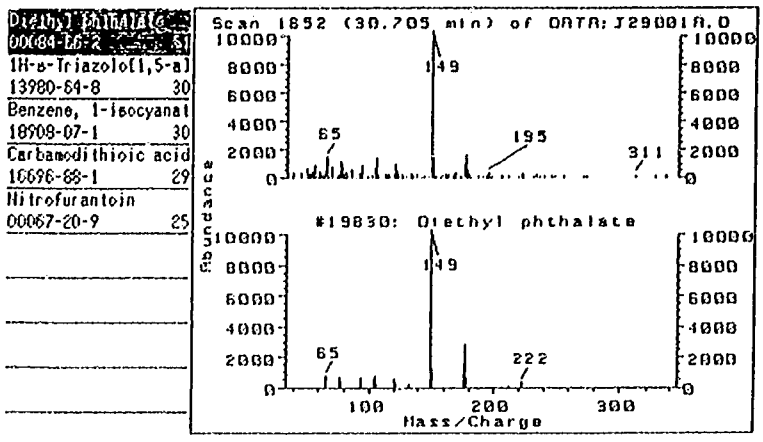


Entry# = 3812 CAS Num = 00108-42-9
Company ID Num = NBS 9/85
Mol.Weight = 127.018 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
m-Chloroaniline

Mol. Formula =
C6H6ClN

Misc. Info. =
Pesticides;

29

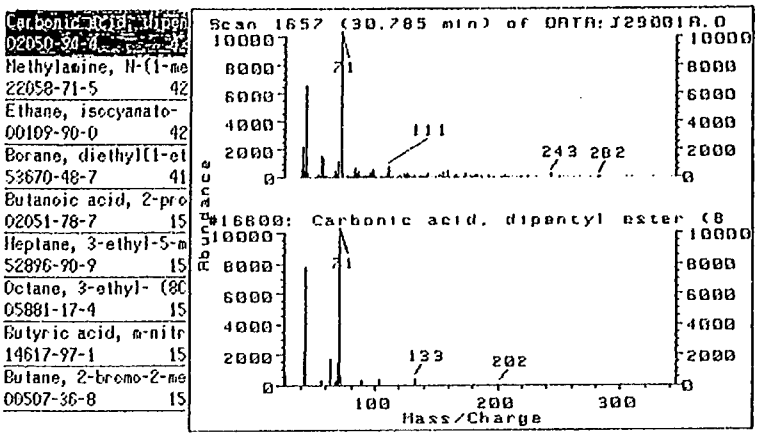


Entry# = 19830 CAS Num = 00084-66-2
Company ID Num = NBS 9/85
Mol.Height = 222.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Diethyl phthalate

Mol. Formula =
C12H1404

Misc. Info. =
Pesticides; Priority Pollutants;

30

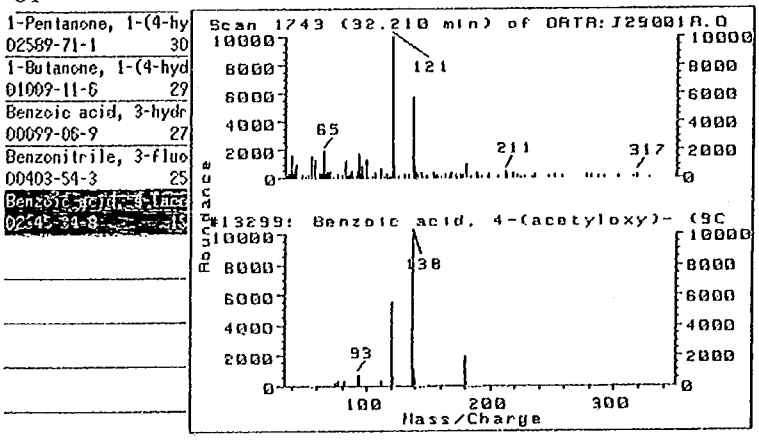


Entry# = 16800 CAS Num = 02050-94-4
Company ID Num = NBS 9/85
Mol.Height = 202.156 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Carbonic acid, dipentyl ester (8CI9CI)

Mol. Formula =
C11H2203

Misc. Info. =

31

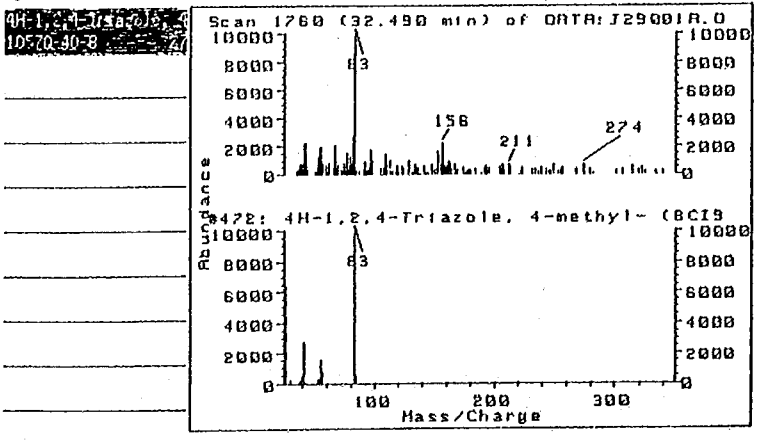


Entry# = 13299 CAS Num = 02345-34-8
Company ID Num = NBS 9/85
Mol.Height = 180.042 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, 4-(acetyloxy)- (9CI)

Mol. Formula =
C9H804

Misc. Info. =

32



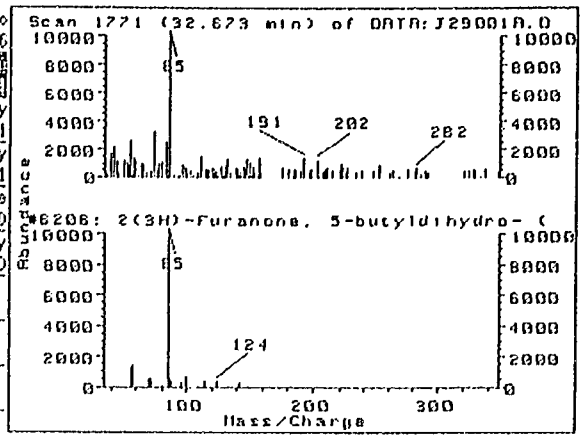
Entry# = 472 CAS Num = 10570-40-8
Company ID Num = NBS 9/85
Mol.Height = 83.048 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
4H-1,2,4-Triazole, 4-methyl- (8CI9CI)

Mol. Formula =
C3H5N3

Misc. Info. =

33

.alpha.-D-Xylopyrano	
29709-44-2	36
2(3H)-Furanone, 5-bu	
00104-50-7	33
2(3H)-Furanone, dihy	
18679-18-0	31
2(3H)-Furanone, dihy	
15456-69-6	31
Pentanoic acid, 4-me	
03682-43-7	30
2(3H)-Furanone, dihy	
00104-61-0	30



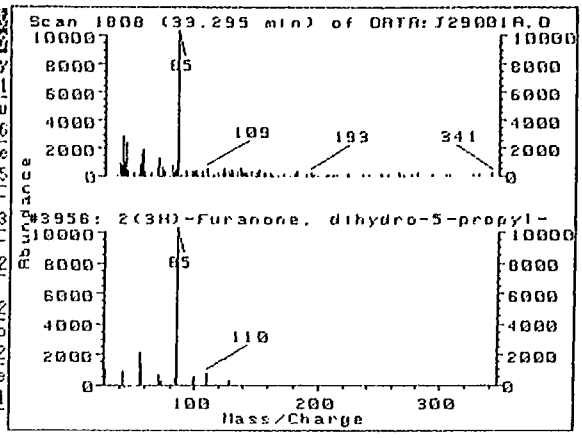
Entry# = 6206 CAS Num = 00104-50-7
Company ID Num = NBS 9/85
Mol.Weight = 142.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(3H)-Furanone, 5-butyldihydro- (8CI9CI)

Mol. Formula =
C8H14O2

Misc. Info. =

34

2(3H)-Furanone, dihy	
00105-21-5	57
2(3H)-Furanone, dihy	
00104-61-0	51
2(3H)-Furanone, 5-bu	
00104-50-7	46
2(3H)-Furanone, 5-he	
00706-14-9	45
2-Norpinanol, 3,6,6-	
29548-09-2	43
Pentanoic acid, 2,2-	
44970-05-0	42
Pentanethioic acid,	
02432-76-0	42
Ether, hexyl isoprop	
18636-65-2	42
Pentanoic acid, 3-me	
03682-42-6	41



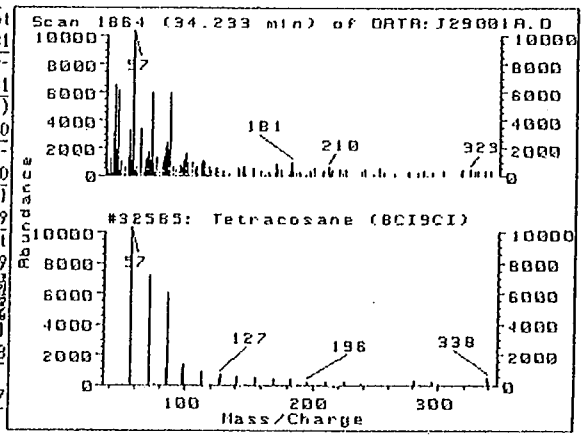
Entry# = 3956 CAS Num = 00105-21-5
Company ID Num = NBS 9/85
Mol.Weight = 128.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(3H)-Furanone, dihydro-5-propyl- (8CI9CI)

Mol. Formula =
C7H12O2

Misc. Info. =

35

2(3H)-Furanone, 5-et	
00695-06-7	31
2-Pentene, 1-ethoxy-	
51149-75-8	31
Heptacosane (8CI9CI)	
00593-49-7	30
4-Pentenoic acid, 2-	
54020-52-9	30
2-Pyrrolidinone (8CI	
00616-45-5	29
Hexane, 2,3,3-trimet	
16747-28-7	29
Tetracosane (8CI9CI)	
00646-31-1	28
Phosphoramidous dif	
25757-74-8	28
1,2,3-Oxadiazolium,	
54460-94-5	27



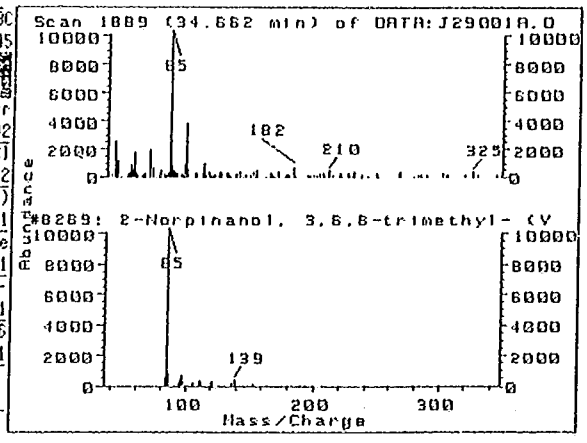
Entry# = 32565 CAS Num = 00646-31-1
Company ID Num = NBS 9/85
Mol.Weight = 338.390 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Tetracosane (8CI9CI)

Mol. Formula =
C24H50

Misc. Info. =

36

Hexane, 3-bromo- (8C	
03377-87-5	45
2-Norpinanol, 3,6,6-	
29548-09-2	43
2-Hexanone, 1,1,1-tr	
00360-34-9	42
2-Pyrrolidinone (8CI	
00616-45-5	42
Isothiazole (8CI9CI)	
00288-16-4	41
2(3H)-Furanone, 5-he	
00706-14-9	41
Tridecane, 5-methyl-	
25117-31-1	41
Dodecane, 2-methyl-6	
55045-08-4	41

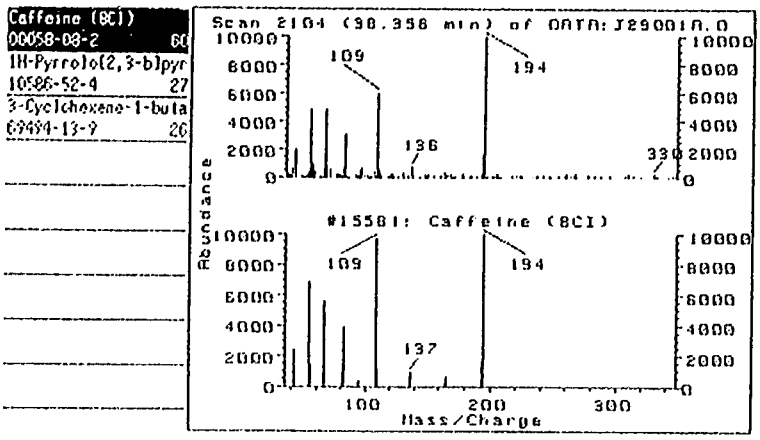


Entry# = 8269 CAS Num = 29548-09-2
Company ID Num = NBS 9/85
Mol.Weight = 154.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Norpinanol, 3,6,6-trimethyl- (VAN9CI)

Mol. Formula =
C10H18O

Misc. Info. =

37

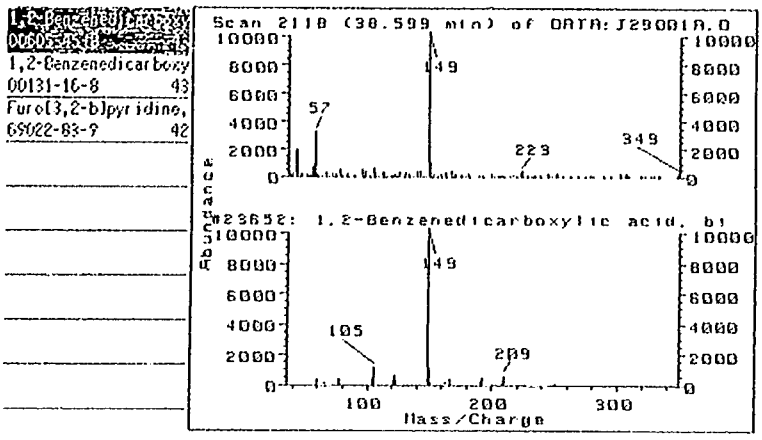


Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

38

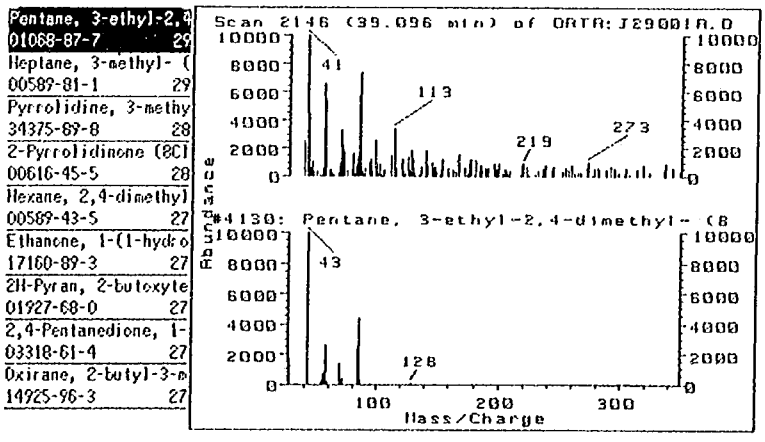


Entry# = 23652 CAS Num = 00605-45-8
Company ID Num = NBS 9/85
Mol.Weight = 250.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(1-methylethyl) es
ter (9CI)

Mol. Formula =
C14H18O4

Misc. Info. =

39

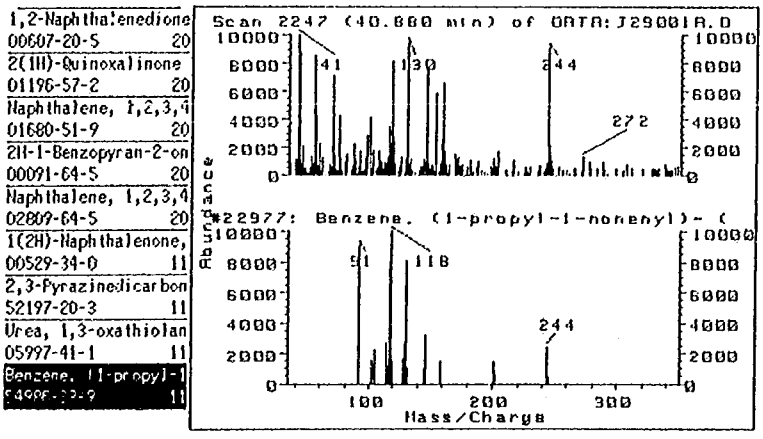


Entry# = 4130 CAS Num = 01068-87-7
Company ID Num = NBS 9/85
Mol.Weight = 128.156 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Pentane, 3-ethyl-2,4-dimethyl- (8CI,9CI)

Mol. Formula =
C9H20

Misc. Info. =

40



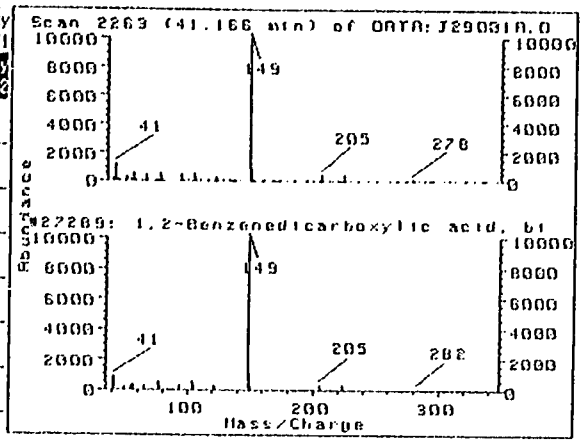
Entry# = 22977 CAS Num = 54986-39-9
Company ID Num = NBS 9/85
Mol.Weight = 244.218 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, (1-propyl-1-nonenyl)- (9CI)

Mol. Formula =
C18H28

Misc. Info. =

41

1,2-Benzenedicarboxy	
00085-69-8	71
1,2-Benzenedicarboxy	
00117-82-8	52



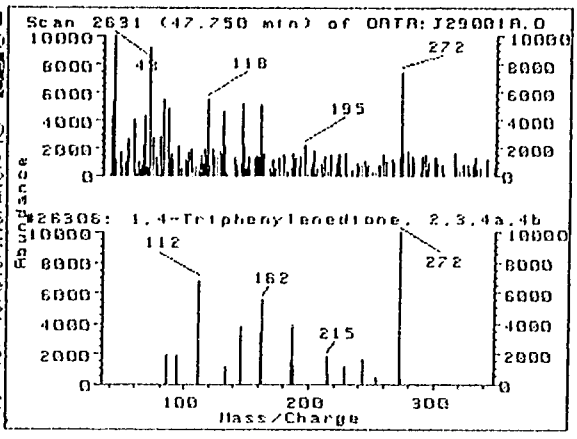
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

42

Naphthalene, 2-butyl	
55320-12-2	20
1,4-Triphenylenedion	
05981-14-6	20
Benzocyclododecene,	
61141-65-9	20
Pyrazolo[5,1-c][1,2,	
06726-61-0	15
1,2,3,4-Phenazinetet	
23774-09-6	15
1-Phenanthrenecarbox	
16826-83-8	15
9,10-Anthracenedione	
00081-61-8	15
.alpha.-Estradiol	
00057-91-0	15
s-Triazolo[4,3-a]pyr	
06569-76-2	15



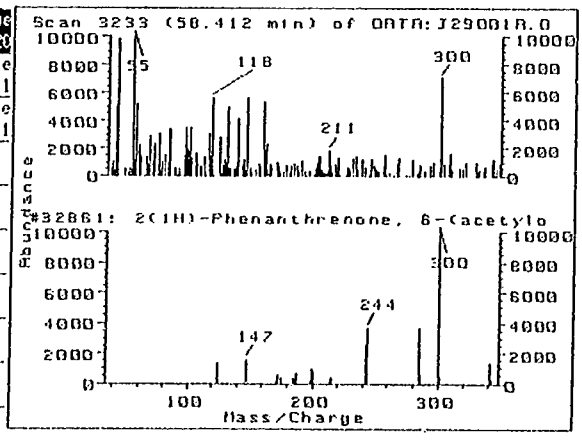
Entry# = 26306 CAS Num = 05981-14-6
Company ID Num = NBS 9/85
Mol.Weight = 272.177 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,4-Triphenylenedione, 2,3,4a,4b,5,6,7,8,9,10,11,12,12a,12b-tetradecahydro- (8CI9CI)

Mol. Formula =
C18H24O2

Misc. Info. =

43

2(1H)-Phenanthrenone	
18385-56-3	20
Estra-1,3,5(10)-trie	
05976-62-5	11
Estra-1,3,5(10)-trie	
74299-15-3	11



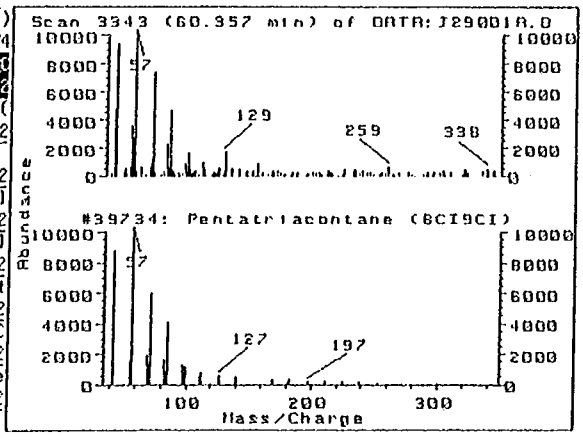
Entry# = 32861 CAS Num = 18385-56-3
Company ID Num = NBS 9/85
Mol.Weight = 342.218 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(1H)-Phenanthrenone, 6-(acetyloxy)-3,4,4a,9,10,10a-hexahydro-1,1,4a-trimethyl-7-(1-methylethyl)-, (4aS-trans)- (9CI)

Mol. Formula =
C22H30O3

Misc. Info. =

44

Tetracosane (8CI9CI)	
00646-31-1	74
Pentatriacontane (8C	
00630-07-9	52
Eicosane, 7-hexyl- (	
55333-99-8	52
Docosane, 11-decyl-	
55401-55-3	52
Heptadecane, 9-octyl	
07225-64-1	52
Hexatriacontane (8CI	
00630-06-8	52
Hexane, 2,3,4-trimet	
00921-47-1	52
Dotriacontane (8CI9C	
00544-85-4	52
Hexadecane, 7,9-dime	
21164-95-4	52



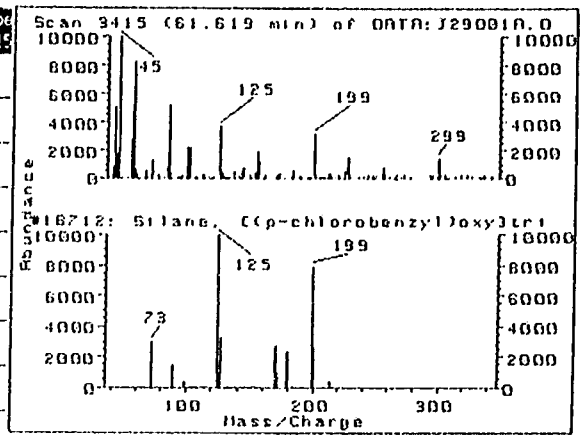
Entry# = 39734 CAS Num = 00630-07-9
Company ID Num = NBS 9/85
Mol.Weight = 492.561 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Pentatriacontane (8CI9CI)

Mol. Formula =
C35H72

Misc. Info. =

45

Silane, [(p-chlorobe	
14856-74-7	15



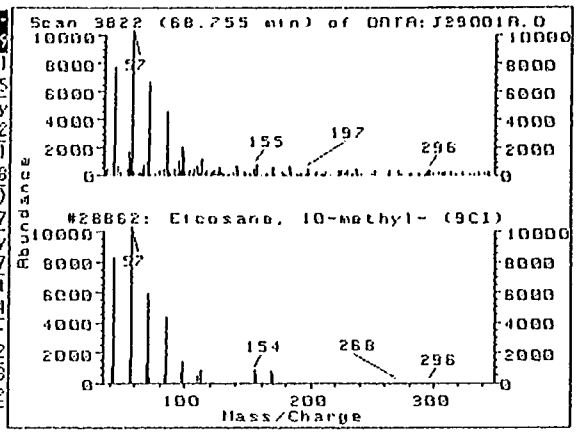
Entry# = 18712 CAS Num = 14856-74-7
Company ID Num = NBS 9/85
Mol.Weight = 214.057 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Silane, [(p-chlorobenzyl)oxy]trimethyl- (8CI)

Mol. Formula =
C10H15ClOSi

Misc. Info. =

46

Eicosane, 10-methyl-	
54833-23-7	69
Pentadecane, 8-hexyl	
13475-75-7	55
Tetracosane, 11-decy	
55429-84-0	42
Hexatriacontane (8CI	
00630-06-8	38
Heneicosane (8CI9CI)	
00629-94-7	37
Heneicosane, 11-decy	
55320-06-4	37
Hexane, 2,3,5-trimet	
01069-53-0	34
2-Pentanone, 5-(1,2-	
55702-69-7	32
Dodecane, 1-iodo- (8	
04292-19-7	32



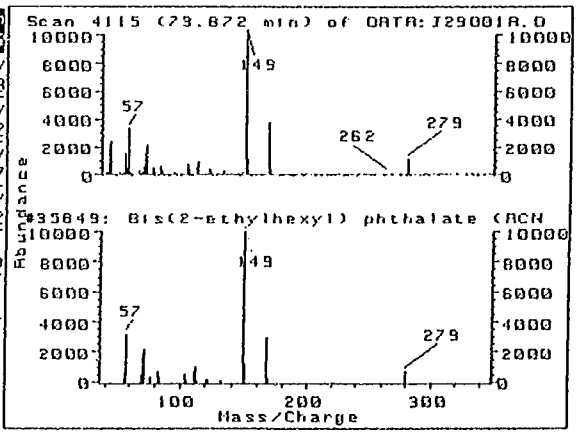
Entry# = 28862 CAS Num = 54833-23-7
Company ID Num = NBS 9/85
Mol.Weight = 296.343 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Eicosane, 10-methyl- (9CI)

Mol. Formula =
C21H44

Misc. Info. =

47

Bis(2-ethylhexyl) ph	
00117-81-7	79
1,2-Benzenedicarboxy	
00603-11-2	58
1,2-Benzenedicarboxy	
00119-07-3	42
1,2-Benzenedicarboxy	
27554-26-3	37
1,2-Benzenedicarboxy	
00117-82-8	32
Furo[3,2-b]pyridine,	
69022-83-9	30



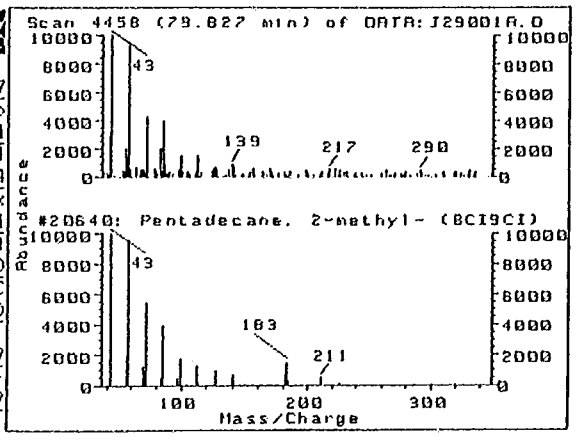
Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

Misc. Info. =
Pesticides; Priority Pollutants;

48

Pentadecane, 2-methy	
01560-93-6	60
Docosane (8CI9CI)	
00629-97-0	47
Octadecane, 1-chloro	
03386-33-2	41
Tetradecane, 4-ethyl	
55045-14-2	34
4-Octanone, 2,3-epox	
17257-83-9	31
Hexane, 2,3,4-trimet	
00921-47-1	30
Dotriacontane (8CI9C	
00544-85-4	30
Dodecane, 5-methyl-	
17453-93-9	29
Iron, tricarbonyl[N-	
74764-11-7	29



Entry# = 20640 CAS Num = 01560-93-6
Company ID Num = NBS 9/85
Mol.Weight = 226.265 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Pentadecane, 2-methyl- (8CI9CI)

Mol. Formula =
C16H34

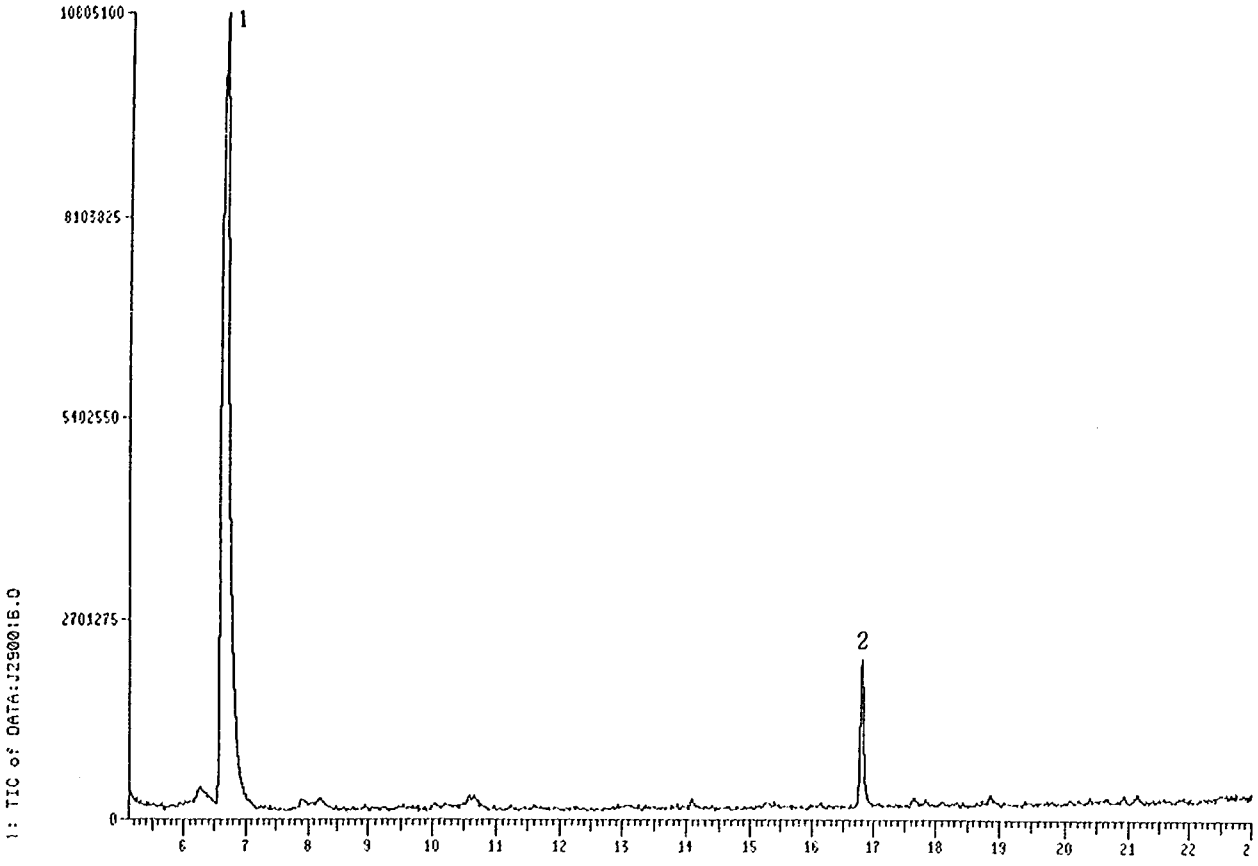
Misc. Info. =

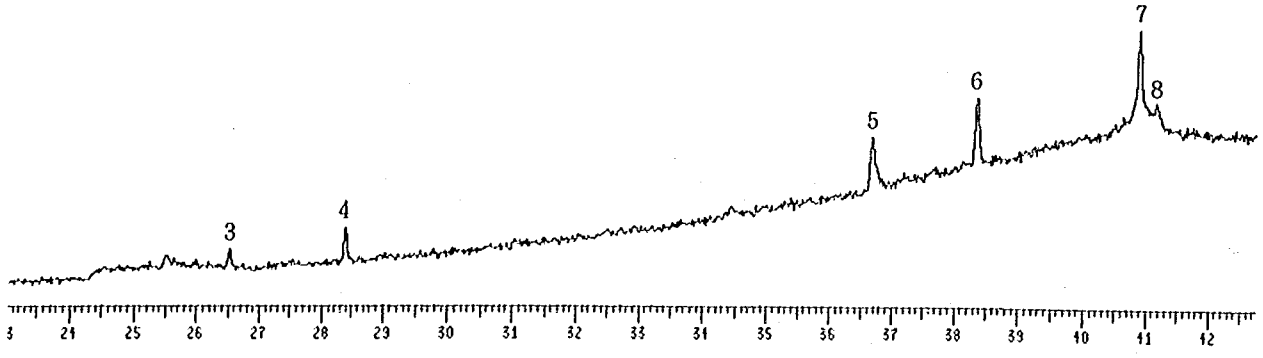
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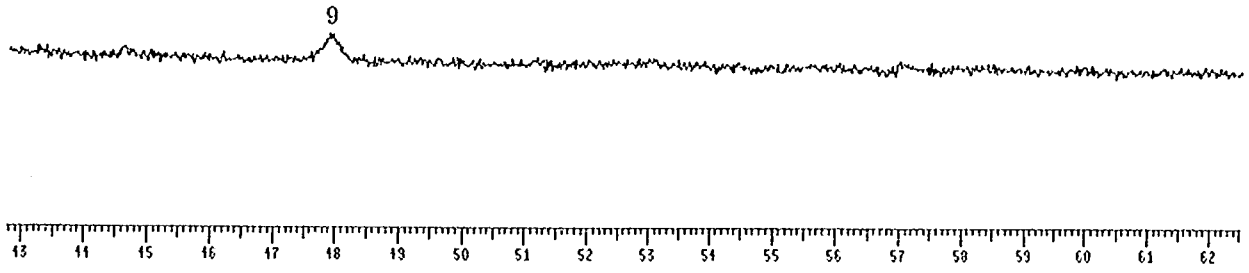
J 処理場　一次処理水　塩基性分画

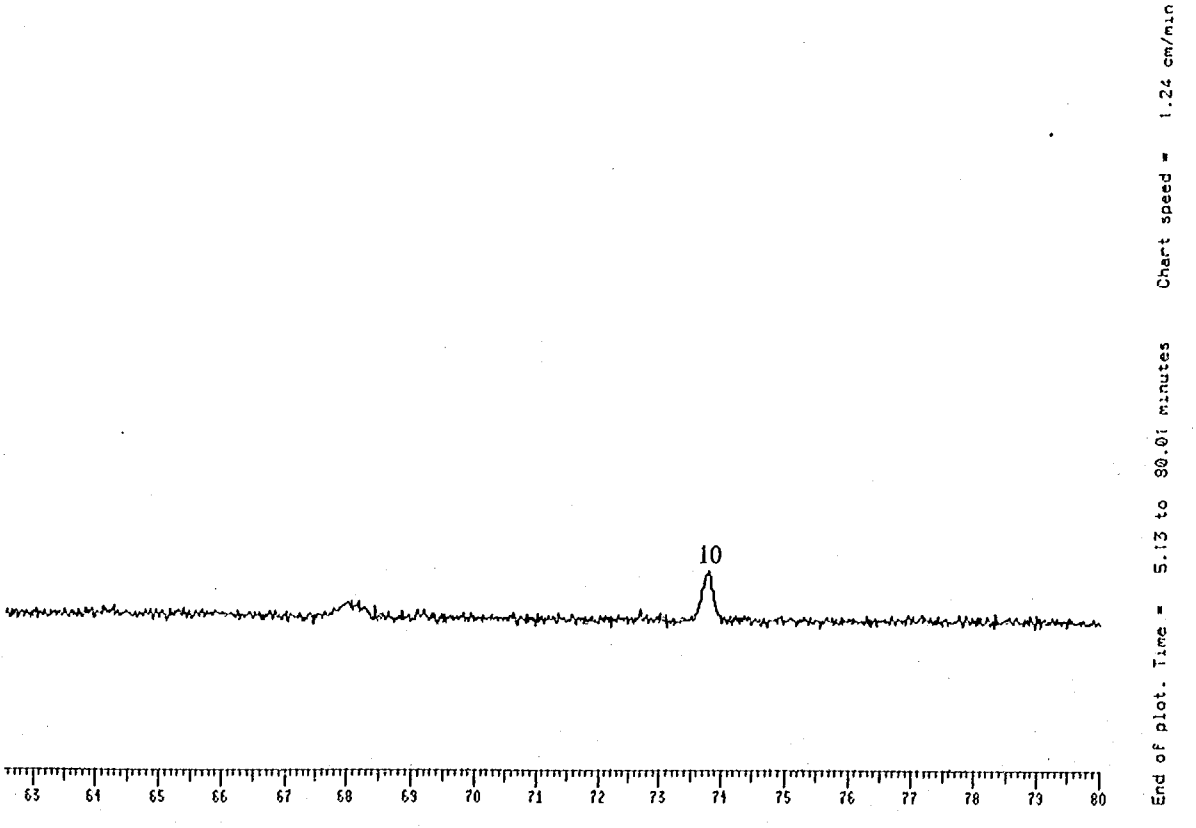
J29001B

No	Name
1	unknown
2	Ethanol, 2-(2-butoxyethoxy)-
3	unknown
4	2,5,8,11,14-Pentaoxapentadecane
5	unknown
6	Caffeine
7	unknown
8	unknown
9	Hexatriacontane
10	1,2-Benzenedicarboxylic acid, diisooctyl ester


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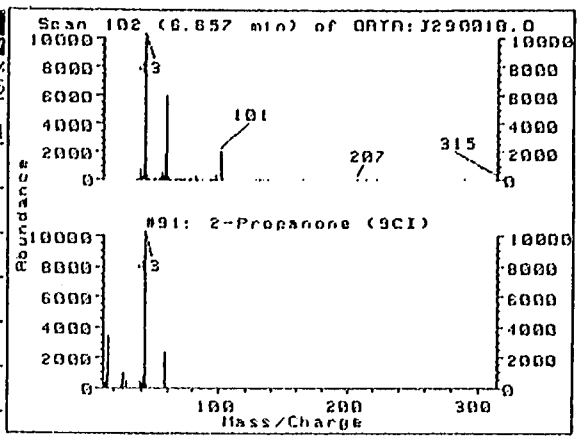

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13 14 15 16 17 18 19 50 51 52 53 54 55 56 57 58 59 60 61 62


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63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.01 minutes Chart speed = 1.24 cm/min

1

2-Propanone (9CI)	
00067-64-1	27
2-Butanone, 3-hydrox	
00115-22-0	15
Acetamide (8CI9CI)	
00060-35-5	11



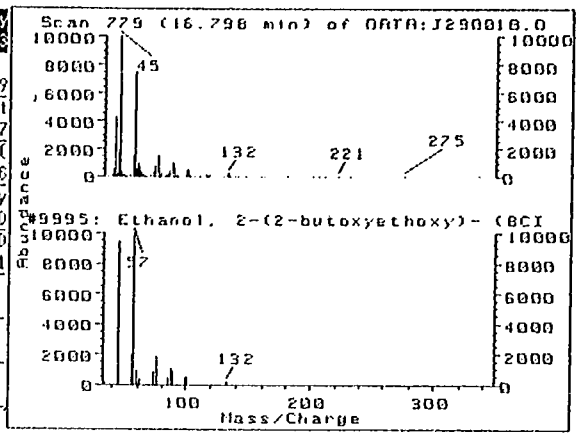
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

2

Ethanol, 2-(2-butoxy	
00112-34-5	93
2-Hexanol (8CI9CI)	
00626-93-7	39
2-Butanol, 3,3-dimet	
00464-07-3	27
Butane, 1-methoxy- (	
00628-28-4	26
Ethanol, 1-(2-butoxy	
54446-78-5	20
Diisopropyl ether (D	
00108-20-3	11



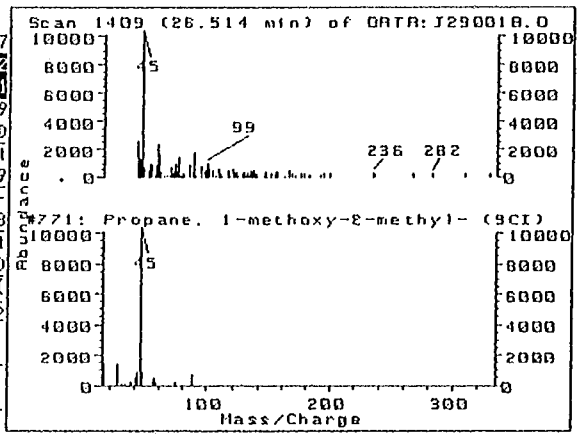
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

3

Paraldehyde	
00123-63-7	37
Propane, 1-methoxy-2	
00625-44-5	31
2,3-Butanediol (8CI9	
00513-85-9	30
1-Propanamine, 3-met	
05332-73-0	29
Propane, 2-chloro-1-	
05390-71-6	28
Ethanol, 2-[2-(2-but	
00143-22-6	20
2-Butenedioic acid (	
00110-16-7	15



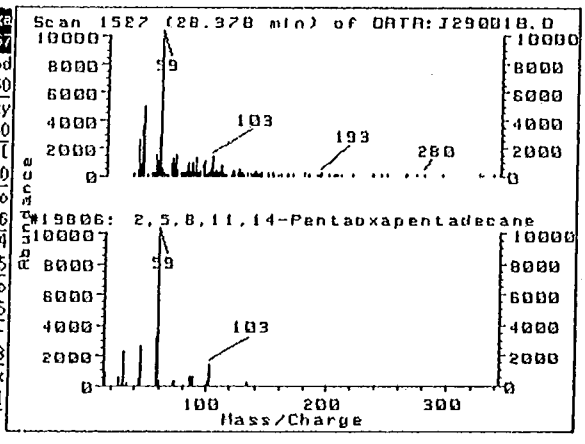
Entry# = 771 CAS Num = 00625-44-5
Company ID Num = NBS 9/85
Mol.Weight = 88.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propane, 1-methoxy-2-methyl- (9CI)

Mol. Formula =
C5H12O

Misc. Info. =

4

2,5,8,11,14-Pentaoxa	
00143-24-8	67
2,5,8,11-Tetraoxadod	
00112-49-2	60
2-Butanol, 1-methoxy	
53778-73-7	60
Ethane, 1,1'-oxybis(	
00111-96-6	60
2,5,8,11,14,17-Hexao	
01191-87-3	46
1,3-Dioxan-5-ol, 4,4	
54063-14-8	45
3-Hexene, 1-(1-metho	
54340-96-4	35
2,3-Butanediol, 2,3-	
00076-09-5	33
2-Butanone, 3-hydrox	
00115-22-0	31



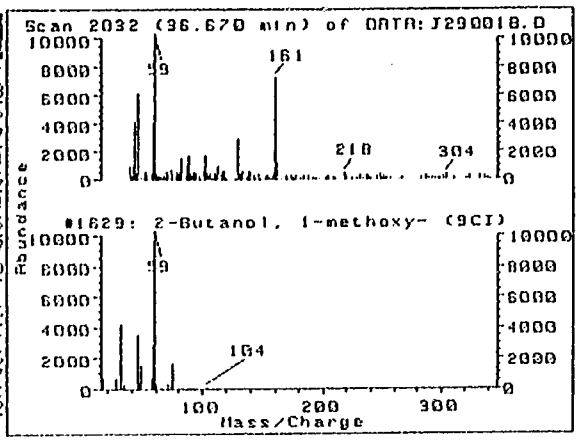
Entry# = 19806 CAS Num = 00143-24-8
Company ID Num = NBS 9/85
Mol.Weight = 222.146 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,5,8,11,14-Pentaoxapentadecane (8CI9CI)

Mol. Formula =
C10H22O5

Misc. Info. =
Carbohydrates;

5

2-Butanol, 1-methoxy 53778-73-7 28
Ethene, (2-ethoxy-1- 54063-18-2 28
2,5,8,11,14,17-Hexao 01191-87-3 27
Hydrazine, 1,1-dimet 67398-36-1 25
Hydrazine, 1,1-dimet 75267-97-9 25
Silane, hexyl- (8CI)9 01072-14-6 20
Pentane, 2-methoxy- 06795-88-6 15
Butane, 2-methoxy-3- 62016-49-3 15
Pentane, 1-ethoxy- (17952-11-3 15



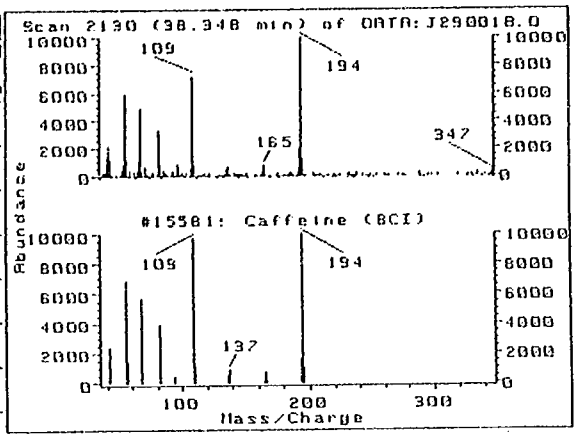
Entry# = 1629 CAS Num = 53778-73-7
Company ID Num = NBS 9/85
Mol.Height = 104.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanol, 1-methoxy- (9CI)

Mol. Formula =
C5H12O2

Misc. Info. =

6

Caffeine (8CI) 00058-08-2 79
3(2H)-Benzofuranone, 04225-35-8 30



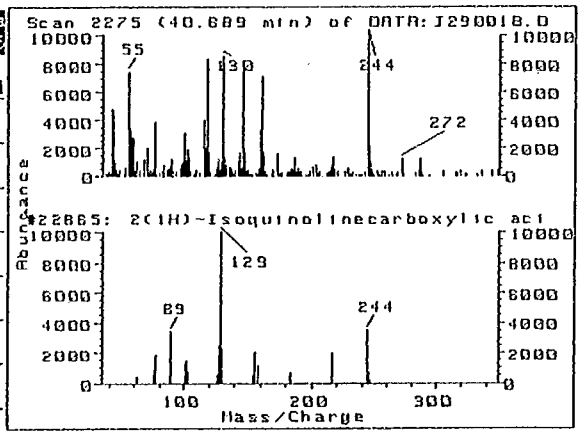
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Height = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

7

2(1H)-Isoquinolineca 19821-41-1 15
2(1H)-Quinazolinone 07471-58-1 11



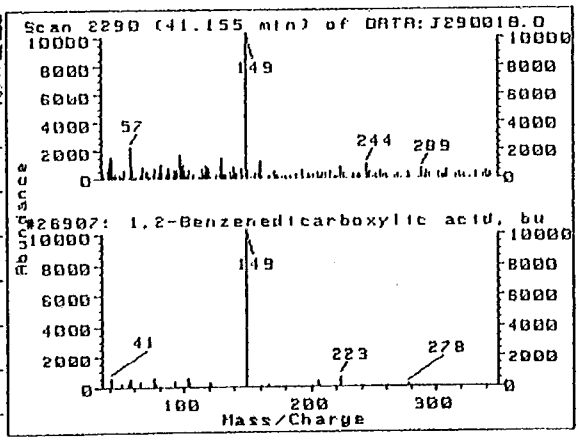
Entry# = 22865 CAS Num = 19821-41-1
Company ID Num = NBS 9/85
Mol.Height = 244.066 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(1H)-Isoquinolinecarboxylic acid, 1-cyanothio-, O-ethyl ester (8CI)

Mol. Formula =
C13H12N2OS

Misc. Info. =
Alkaloids;

8

1,2-Benzenedicarboxy 17851-53-5 37
Benzothiazole, 2-met 00120-75-2 36



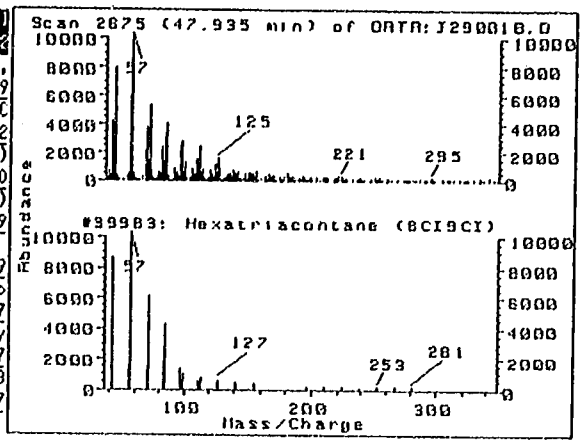
Entry# = 26907 CAS Num = 17851-53-5
Company ID Num = NBS 9/85
Mol.Height = 278.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester (9CI)

Mol. Formula =
C16H22O4

Misc. Info. =

9

Hexatriacontane (8C)	
00630-06-8	82
Heptadecane, 2,6,10,	
54833-48-6	79
Pentatriacontane (8C	
00630-07-9	72
Heptacosane (8C19Cl)	
00593-49-7	70
Pentacosane (8C19Cl)	
00629-99-2	69
Docosane (8C19Cl)	
00629-97-0	69
Octadecane, 1-chloro	
03386-33-2	67
Tetracosane, 11-decy	
55422-84-0	67
Tetratetracontane (8	
07098-22-8	67



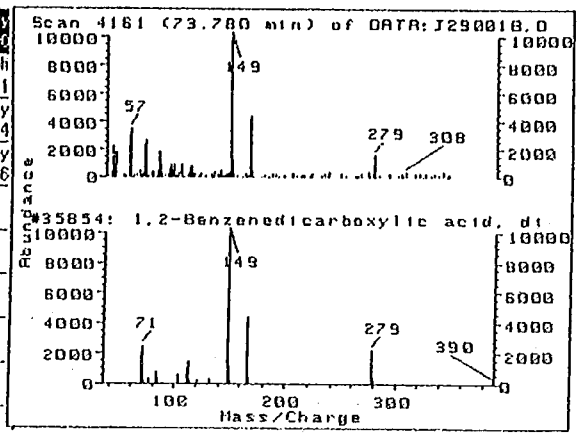
Entry# = 39983 CAS Num = 00630-06-8
Company ID Num = NBS 9/85
Mol.Weight = 506.577 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexatriacontane (8C19Cl)

Mol. Formula =
C36H74

Misc. Info. =

10

1,2-Benzenedicarboxy	
27554-26-3	70
Bis(2-ethylhexyl) ph	
00117-81-7	41
1,2-Benzenedicarboxy	
00603-11-2	34
1,2-Benzenedicarboxy	
00085-69-8	26



Entry# = 35854 CAS Num = 27554-26-3
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, diisooctyl ester (9Cl
)

Mol. Formula =
C24H38O4

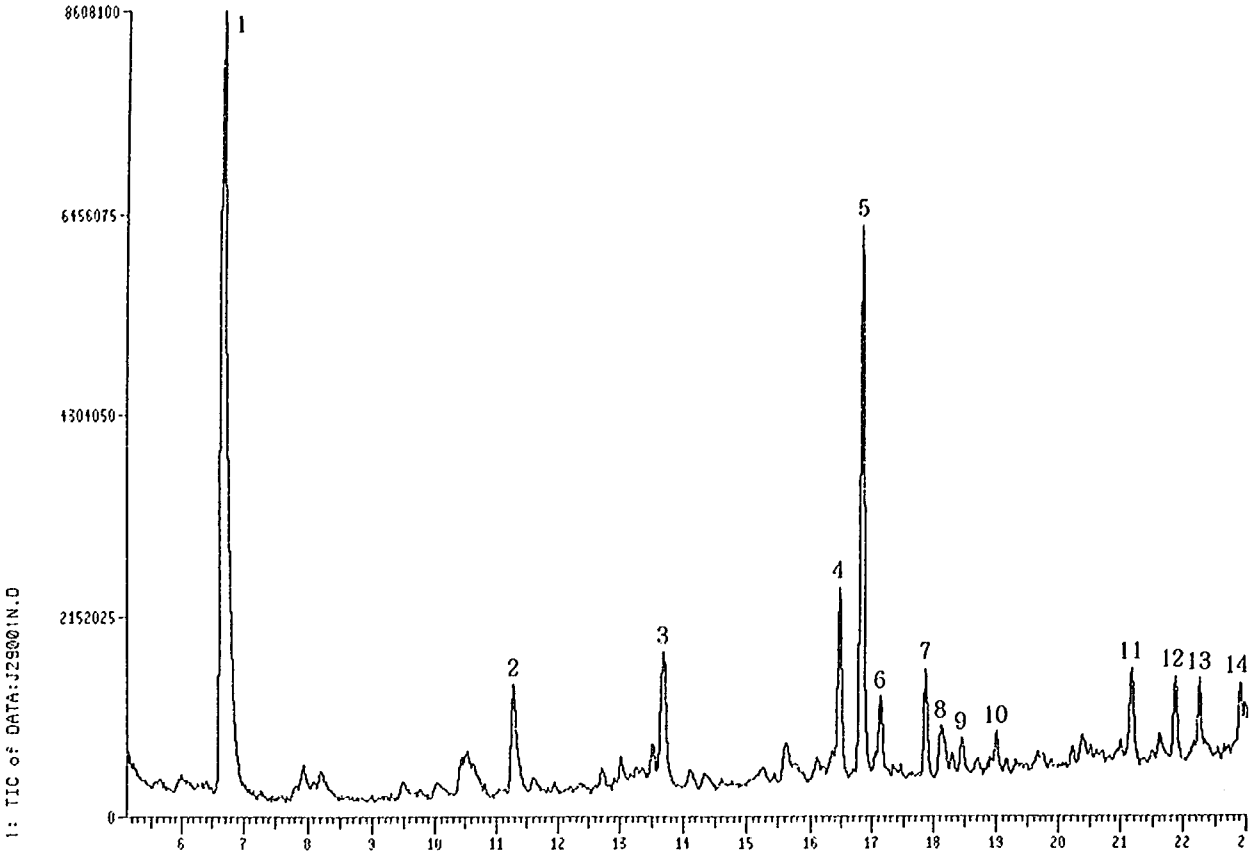
Misc. Info. =

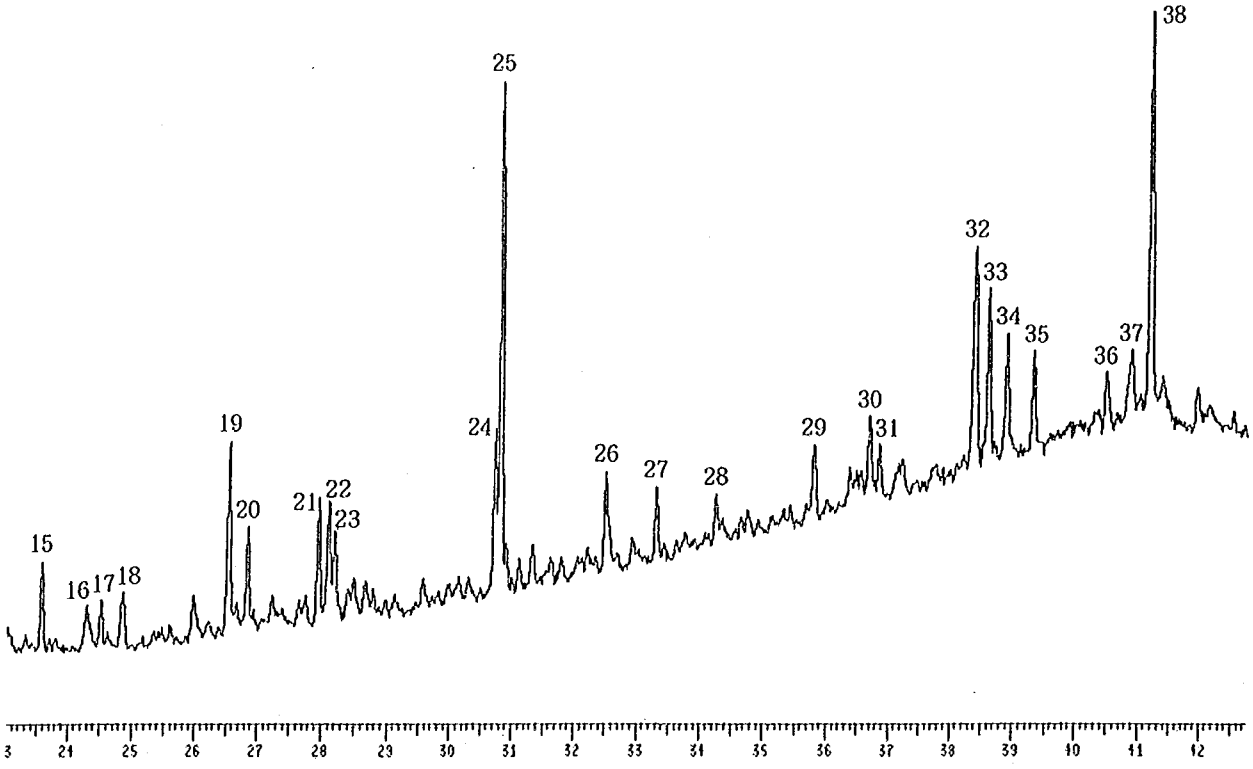
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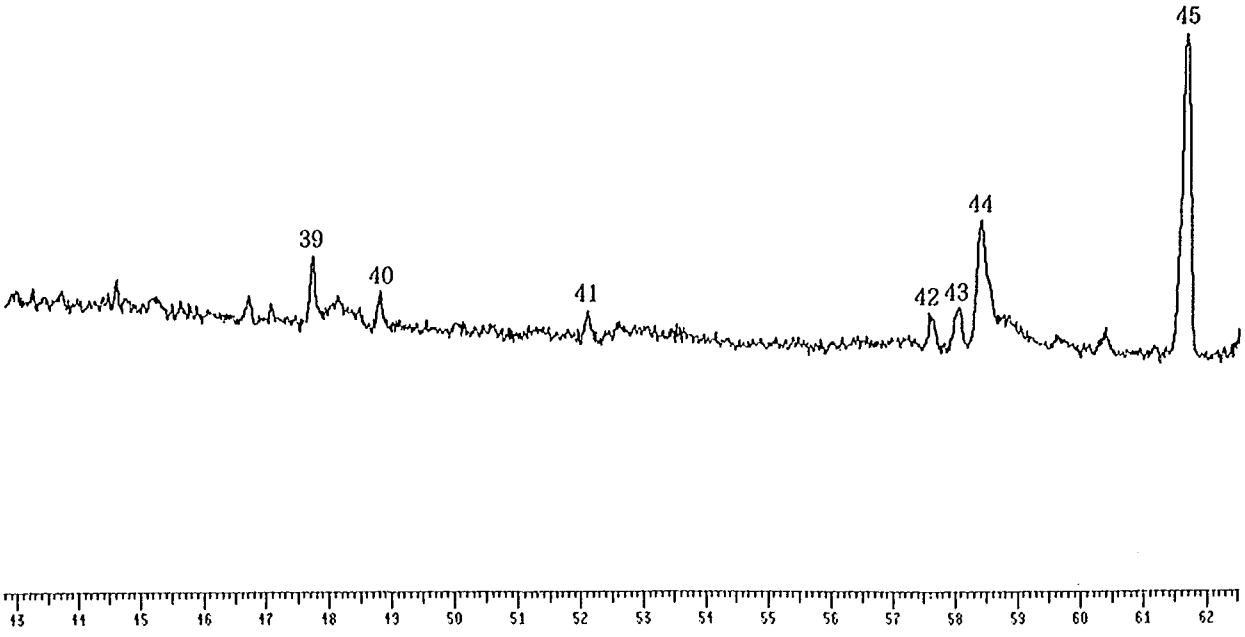
J 処理場　一次処理水　中性分画

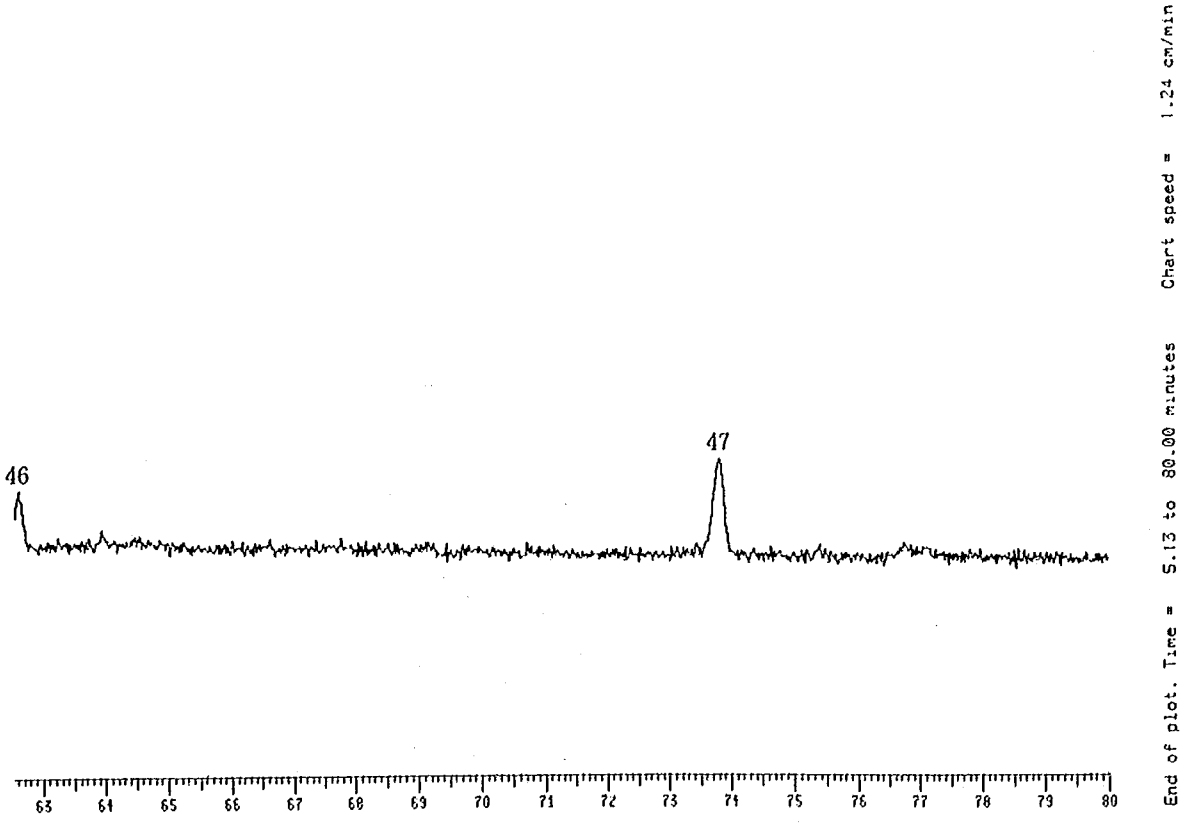
J29001N

No	Name
1	unknown
2	1-Hexanol, 2-ethyl-
3	unknown
4	Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha., 2.beta.,5.alpha.)-
5	Ethanol, 2-(2-butoxyethoxy)-
6	unknown
7	Ethanol, 2-butoxy-
8	Ethanone, 1-(8-hydroxy-5-quinolinyl)-, sulfate (2:1) (salt)
9	Benzothiazole
10	unknown
11	unknown
12	unknown
13	1,2,3-Propanetriol, triacetate
14	unknown
15	Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpenthyl ester
16	1H-Indole, 7-methyl-
17	unknown
18	4-Pyridinemethanol, acetate (ester)
19	Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-
20	unknown
21	1-Propanol, 2-(2-hydroxypropoxy)-
22	2-Propanol, 1,1'-oxybis-
23	Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
24	Diethyl phthalate
25	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethylethyl) -2-methyl-1,3-propanediyl ester
26	unknown
27	unknown
28	Decanedioic acid, didecyl ester
29	unknown
30	unknown
31	unknown
32	Caffeine
33	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
34	unknown
35	Ethanone, 2,2-dimethoxy-1,2-diphenyl-
36	unknown
37	unknown
38	1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
39	unknown
40	unknown
41	unknown
42	unknown
43	unknown
44	unknown
45	unknown
46	Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl-
47	Bis(2-ethylhexyl) phthalate


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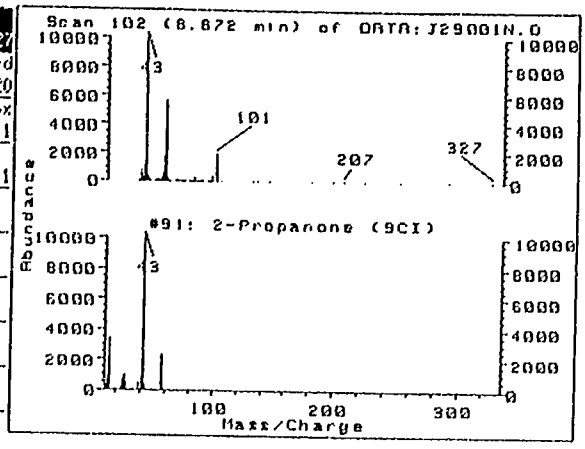

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63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.00 minutes Chart speed = 1.24 cm/min

1

2-Propanone (9CI)	
00067-64-1	27
Hydroperoxide, 1,1-d	
00075-91-2	20
2-Butanone, 3-hydrox	
00115-22-0	11
Acetamide (8CI9CI)	
00060-35-5	11



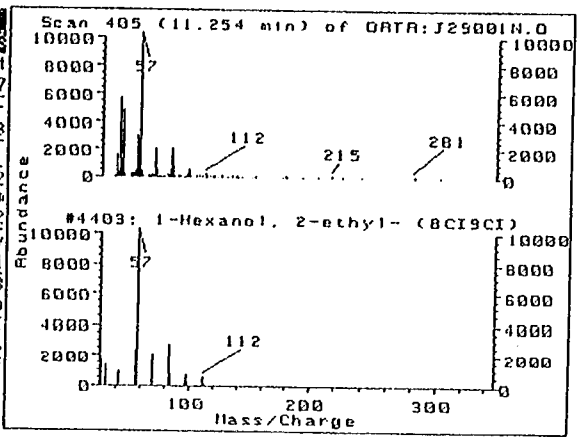
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

2

1-Hexanol, 2-ethyl-	
00104-76-7	63
1-Pentene, 4,4-dimet	
00762-62-9	57
1-Pentanol, 2-ethyl-	
00106-67-2	43
1-Hexene, 4-methyl-	
03769-23-1	35
Diazene, bis(1,1-dim	
00927-83-3	32
Methanamine, N-penty	
10599-75-4	31
Heptane, 2-bromo- (8	
01974-04-5	30
1-Heptene, 3-methyl-	
04810-09-7	12



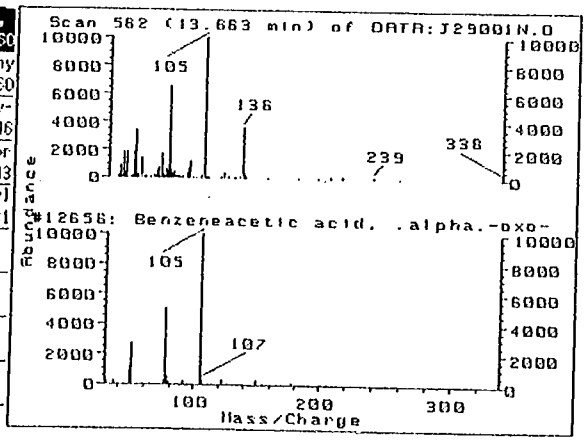
Entry# = 4403 CAS Num = 00104-76-7
Company ID Num = NBS 9/85
Mol.Weight = 130.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Hexanol, 2-ethyl- (8CI9CI)

Mol. Formula =
C8H18O

Misc. Info. =
Pesticides;

3

Benzeneacetic acid,	
01603-79-8	60
Ethanedione, dipheny	
00134-81-6	60
Ethanone, 2-hydroxy-	
00582-24-1	46
1-Propanone, 3-chlor	
00936-59-4	43
Benzoic acid, methyl	
00093-58-3	31



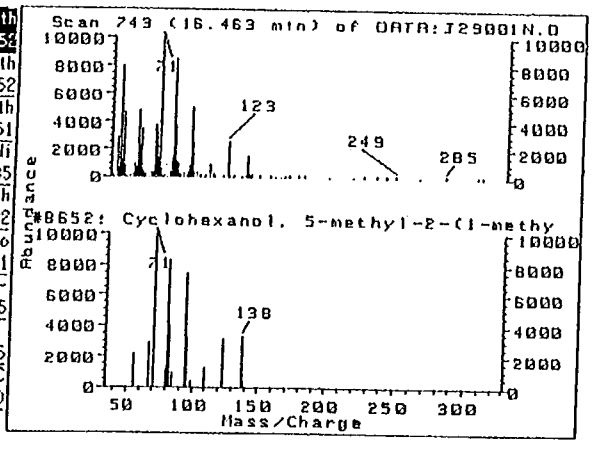
Entry# = 12656 CAS Num = 01603-79-8
Company ID Num = NBS 9/85
Mol.Weight = 178.062 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzeneacetic acid, .alpha.-oxo-, ethyl ester (9CI)

Mol. Formula =
C10H10O3

Misc. Info. =

4

Cyclohexanol, 5-meth	
00089-78-1	52
Cyclohexanol, 5-meth	
01490-04-6	52
Cyclohexanol, 1-meth	
21129-27-1	51
Cyclopentane, 1,3-di	
61142-31-2	35
Cyclohexanol, 5-meth	
15356-70-4	32
Pentalene, octahydro	
28588-55-8	31
Bicyclo[3.1.0]hexan-	
00513-20-2	25
o-Menth-8-ene (8CI)	
15193-25-6	25
Furan, 2-pentyl- (8C	
03777-69-3	20



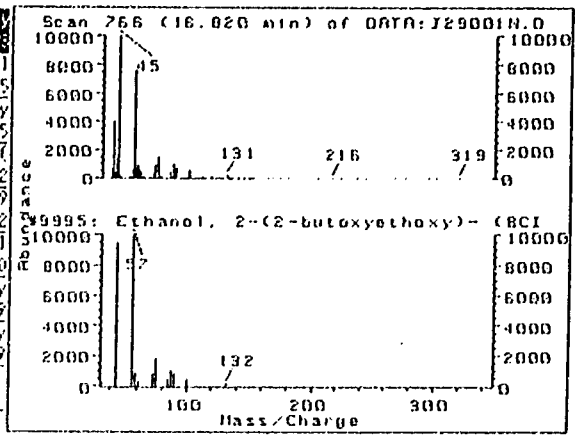
Entry# = 8652 CAS Num = 00089-78-1
Company ID Num = NBS 9/85
Mol.Weight = 156.150 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1.alpha
.,2.beta.,5.alpha.)- (9CI)

Mol. Formula =
C10H20O

Misc. Info. =
Misc. Natural products; Pesticides;

5

Ethanol, 2-(2-butoxy	
00112-34-5	9
1,2-Propanediol (8C	
00057-55-6	3
Ethanol, 1-(2-butoxy	
54446-78-5	3
Butane, 1-methoxy- (	
00628-28-4	3
1,3-Butanediol (8C)9	
00107-88-0	3
2-Propanol (8CH)(9C	
00067-63-0	2
Propanoic acid, 2-hy	
02155-30-8	2
Oxirane, 2,3-dimethy	
01758-33-4	2



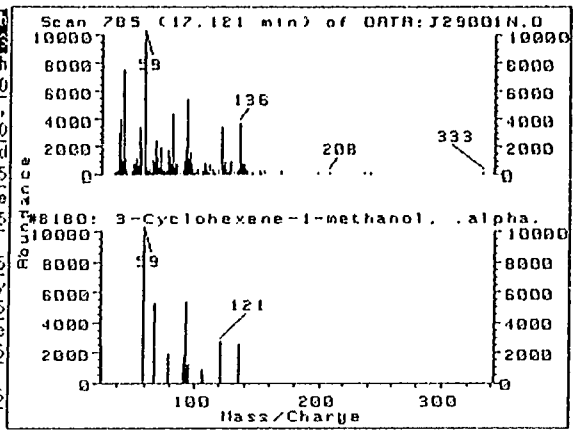
Entry# = 9995 CAS Num = 00112-34-5
Company ID Num = NBS 9/85
Mol.Weight = 162.125 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-(2-butoxyethoxy)- (8CI9CI)

Mol. Formula =
C8H18O3

Misc. Info. =
Carbohydrates; Pesticides;

6

3-Cyclohexene-1-meth	
00098-55-5	6
3-Cyclohexene-1-meth	
10482-56-1	3
Cyclooctanemethanol,	
16624-06-9	3
Butanoic acid, 3,3-d	
01070-83-3	2
1,8-Nonanediol, 8-me	
54725-73-4	2
3-Pentanol (8CI9CI)	
00584-02-1	2
1-Butanol, 3-methoxy	
04435-53-4	2
2-Pentanol, 2,4-dime	
00625-06-9	2
Guanidine (8CI9CI)	
00113-00-8	2



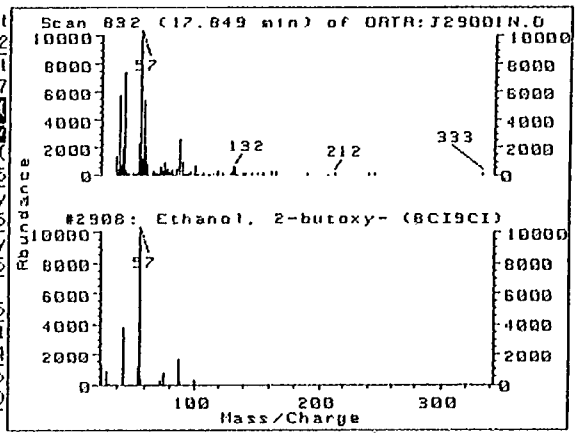
Entry# = 8180 CAS Num = 00098-55-5
Company ID Num = NBS 9/85
Mol.Weight = 154.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Cyclohexene-1-methanol, .alpha.,.alpha.4-trimethy
l- (9CI)

Mol. Formula =
C10H18O

Misc. Info. =
Pesticides;

7

2-Propanol, 1-(1-met	
53907-95-2	5
Ethanol, 2-(2-(2-but	
00143-22-6	2
Ethanol, 2-butoxy- (	
00111-76-2	2
Triethylene glycol (	
00112-27-6	2
Acetic acid, methoxy	
19500-95-9	2
Acetic acid, methoxy	
00625-45-6	2
Paraldehyde	
00123-63-7	2
3-Hexanol, 2,3-dimet	
04166-46-5	2
2-Propanol, 1-(2-pro	
21460-36-6	2



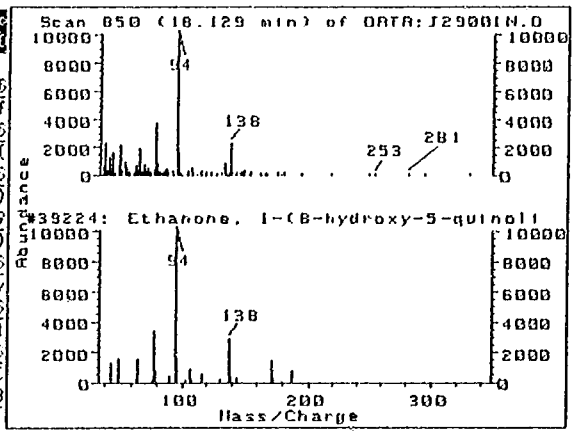
Entry# = 2908 CAS Num = 00111-76-2
Company ID Num = NBS 9/85
Mol.Weight = 118.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-butoxy- (8CI9CI)

Mol. Formula =
C6H14O2

Misc. Info. =
Carbohydrates; Pesticides;

8

Ethanone, 1-(8-hydro	
57130-91-3	6
Ethanol, 2-phenoxy-	
00122-99-6	4
Phosphorodiamidous f	
01735-82-6	3
1,3,5-Heptatriene, (	
17679-93-5	3
3-Pyridinamine (9CI)	
00462-08-8	2
4-Pyridinamine (9CI)	
00504-24-5	2
Carbonic acid, pheny	
13183-16-9	2
2-Hexen-4-yne, 2-met	
58275-93-7	2
Phenol (8CH)(DOT)(8C	
00108-95-2	1



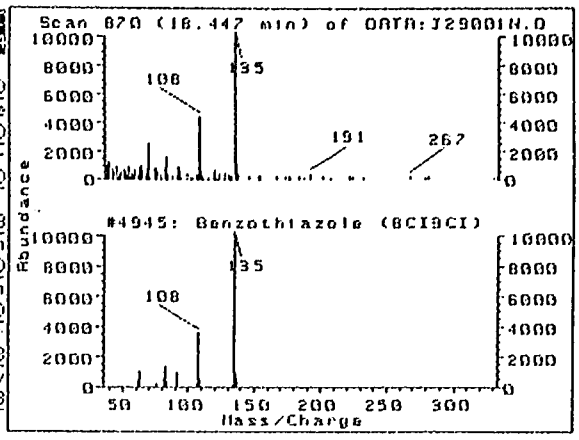
Entry# = 39224 CAS Num = 57130-91-3
Company ID Num = NBS 9/85
Mol.Weight = 472.000 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 1-(8-hydroxy-5-quinolinyl)-, sulfate (2:1
) (salt) (9CI)

Mol. Formula =
C11H9NO2.1/2H2O4S

Misc. Info. =
Alkaloids; Pesticides;

9

Benzothiazole (8C19C	
00095-16-9	74
Adenine (VAN8C1)	
00073-24-5	60
Thiocyanic acid, phe	
05285-87-0	60
1H-Indole, 5-fluoro-	
00399-52-0	60
1,2-Benzisothiazole	
00272-16-2	38
Thieno[2,3-c]pyridin	
00272-12-8	30
Thieno[3,2-c]pyridin	
00272-14-0	30
2H-Imidazo[4,5-b]pyr	
16328-62-4	28
1H-Pyrazolo[4,3-d]py	
13877-56-0	28



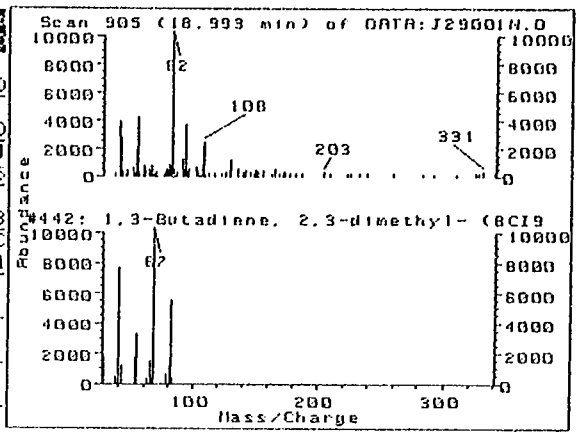
Entry# = 4945 CAS Num = 00095-16-9
Company ID Num = NBS 9/85
Mol.Weight = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole (8CI9CI)

Mol. Formula =
C7H5NS

Misc. Info. =

10

1,3-Butadiene, 2,3-d	
00513-81-5	60
2-Cyclohexen-1-one,	
06485-40-1	60
2-Cyclohexen-1-one,	
02244-16-8	60
Cyclobutane, ethenyl	
02597-49-1	15
2-Cyclohexen-1-one,	
00099-49-0	13
2,4-Hexadiene (8CI9C	
00592-46-1	11



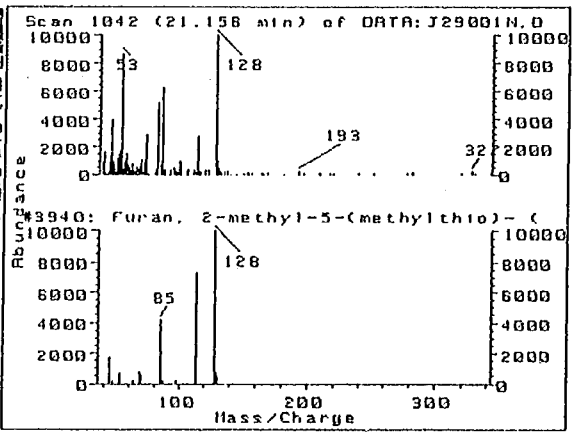
Entry# = 442 CAS Num = 00513-81-5
Company ID Num = NBS 9/85
Mol.Weight = 82.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,3-Butadiene, 2,3-dimethyl- (8CI9CI)

Mol. Formula =
C6H10

Misc. Info. =

11

Furan, 2-methyl-5-(m	
13678-59-6	25
Cyclohexanone, 4-hyd	
17429-02-6	24
Thiophene, 2-methoxy	
31053-55-1	20
3-Isothiazolecarboxa	
24342-43-6	20
Barbituric acid (VAN	
00067-52-7	15
Valeraldehyde, dimet	
14090-57-4	11



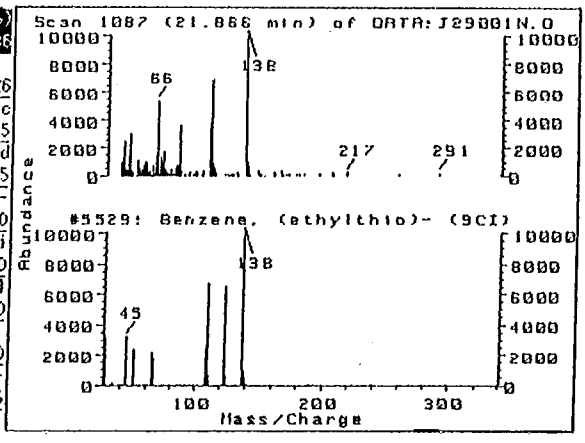
Entry# = 3940 CAS Num = 13678-59-6
Company ID Num = NBS 9/85
Mol.Weight = 128.029 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Furan, 2-methyl-5-(methylthio)- (8CI9CI)

Mol. Formula =
C6H8OS

Misc. Info. =

12

Benzene, (ethylthio)	
00622-38-8	36
4(3H)-Pyrimidinone,	
32363-51-2	26
3-Pyridinecarboxylic	
03167-49-5	25
3-Pyridinecarboxamid	
03670-59-5	25
Benzene, 1-methyl-3-	
04886-77-5	20
Benzaldehyde, 2,4-di	
00095-01-2	20
1,3-Benzodioxol-5-ol	
00533-31-3	20
m-Nitroaniline	
00099-09-2	20
2-Butanone, 1-(2-fur	
04208-63-3	15



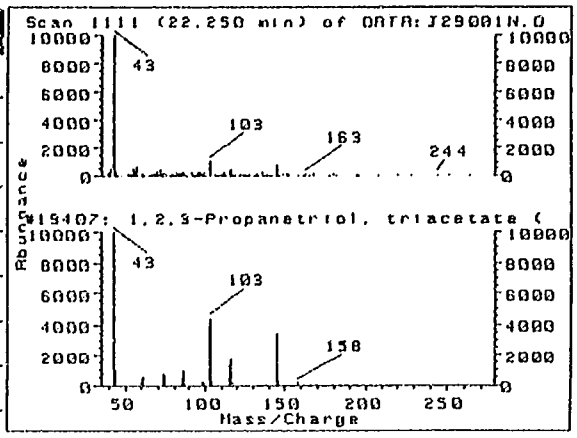
Entry# = 5529 CAS Num = 00622-38-8
Company ID Num = NBS 9/85
Mol.Weight = 138.050 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, (ethylthio)- (9CI)

Mol. Formula =
C8H10S

Misc. Info. =

13

1,2,3-Propanetriol, 00102-76-1 3C



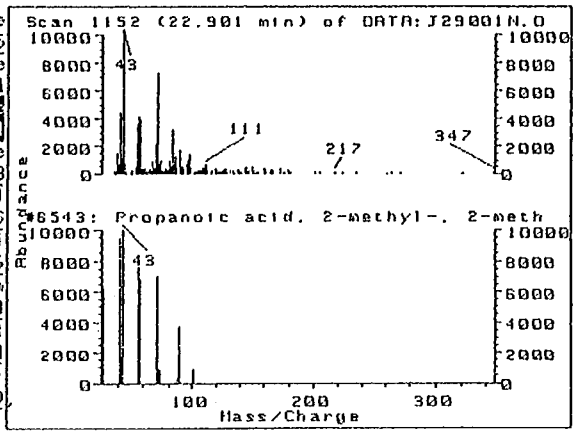
Entry# = 19407 CAS Num = 00102-76-1
Company ID Num = NBS 9/85
Mol.Weight = 218.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2,3-Propanetriol, triacetate (9CI)

Mol. Formula =
C9H14O6

Misc. Info. =
Drugs; Carbohydrates; Fatty acids and Lipids; Pesticides;

14

Propanoic acid, 2-me
74367-33-2 45
Propanoic acid, 2-me
74367-31-0 41
Propanoic acid, 2-me
00097-85-8 31
Methylamine, N-(1-me
22058-71-5 28
Ethanamine, N-pentyl
10599-76-5 26
Ethanamine, N-butyl-
01611-12-7 25
1-Hexene, 3,4,5-trim
56728-10-0 24
1-Pentadecene, 2-met
29833-69-0 24
1-Undecene, 5-methyl
74630-38-9 20



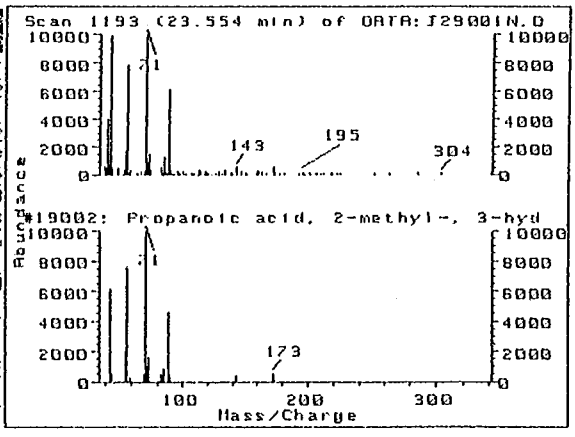
Entry# = 6543 CAS Num = 00097-85-8
Company ID Num = NBS 9/85
Mol.Weight = 144.114 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 2-methylpropyl ester (9CI)

Mol. Formula =
C8H16O2

Misc. Info. =

15

Propanoic acid, 2-me
74367-34-3 78
Azetidine, 1-methyl-
04923-79-9 25
Pentanal, 3-methyl-
15877-57-3 15
Propanoic acid, 2-me
54340-93-1 15
Pentane, 3-bromo- (8
01809-10-5 13
Oxirane, 2,3-bis(1-m
54644-32-5 11
Cyclobutanone, 3,3-d
01192-33-2 11
1-Penten-3-ol, 3-met
00918-85-4 11
Cyclopentanamine (9C
01003-03-8 11



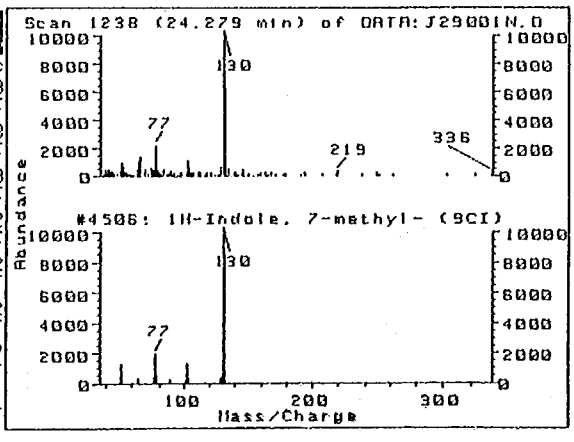
Entry# = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethylpentyl ester (9CI)

Mol. Formula =
C12H24O3

Misc. Info. =

16

1H-Indole, 7-methyl-
00933-67-5 66
D-Glucose, 4-O-(3-ac
74421-40-2 58
1H-Indole, 6-methyl-
03420-02-8 58
1H-Indole, 5-methyl-
00614-96-0 58
1H-Indole, 2-methyl-
00075-20-5 52
1H-Indole, 3-methyl-
00083-34-1 52
Indolizine, 3-methyl
01761-10-0 52
Indolizine, 6-methyl
01761-11-1 47
Indolizine, 1-methyl
00767-61-3 41



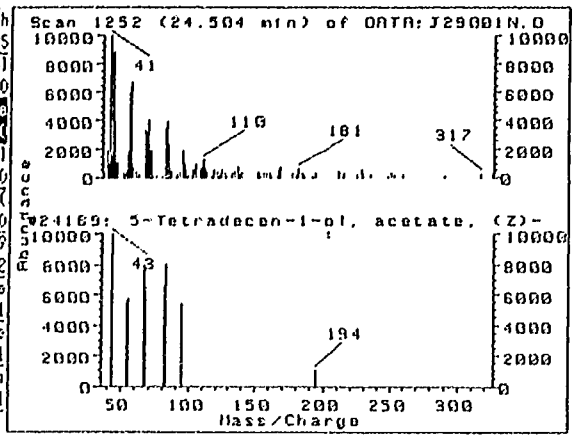
Entry# = 4506 CAS Num = 00933-67-5
Company ID Num = NBS 9/85
Mol.Weight = 131.073 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Indole, 7-methyl- (9CI)

Mol. Formula =
C9H9N

Misc. Info. =
Alkaloids;

17

7-Azabicyclo[4.1.0]h	
00286-18-0	25
1,14-Tetradecanediol	
19812-64-7	20
5-Tetradecen-1-ol, a	
35153-13-0	20
3,9-Dodecadiene (9CI	
54764-65-7	20
Cyclopentane, 1,1'-(	
02980-70-3	20
Heptanenitrile (8CI9	
00629-08-3	12
Bicyclo[3.2.1]octane	
06221-55-2	11
Formic acid, cyclohe	
04351-54-6	11
Bicyclo[2.2.1]heptan	
15185-11-2	11



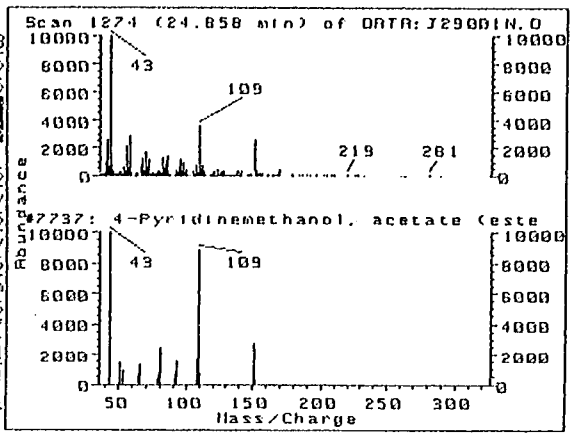
Entry# = 24189 CAS Num = 35153-13-0
Company ID Num = NBS 9/85
Mol.Weight = 254.223 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
5-Tetradecen-1-ol, acetate, (Z)- (9CI)

Mol. Formula =
C16H30O2

Misc. Info. =

18

Pyridine, 3-butyl-,	
31396-33-5	38
Benzenamine, 4-propo	
04469-80-1	25
4-Pyridinemethanol,	
01007-48-3	25
Pyridine, 4-butyl-,	
31396-34-6	25
3-Pyridinol, 6-methy	
04842-89-1	15
3-Pyridinol, 4-methy	
01006-96-8	15
6H-Purin-6-one, 2-am	
00073-40-5	15
1,2-Benzenediol, 4-(	
00098-29-3	11
Benzene, 1-(bromomet	
00459-46-1	11



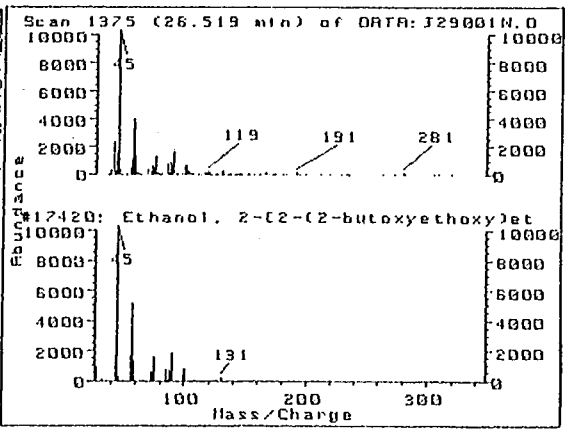
Entry# = 7737 CAS Num = 01007-48-3
Company ID Num = NBS 9/85
Mol.Weight = 151.063 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
4-Pyridinemethanol, acetate (ester) (8CI9CI)

Mol. Formula =
C8H9NO2

Misc. Info. =
Alkaloids;

19

Ethanol, 2-[2-(2-but	
00143-22-6	89
Triethylene glycol (	
00112-27-6	60
Ethanol, 2-[2-(ethen	
00929-37-3	58
Ethanol, 2,2'-(oxybi	
00112-60-7	52
Paraldehyde	
00123-63-7	43
1,3-Butanediol (8CI9	
00107-88-0	31
2-Butanone, 3-hydrox	
00513-86-0	31
2-Hexanol (8CI9CI)	
00626-93-7	31
Butane, 1-methoxy- (	
00628-28-4	31



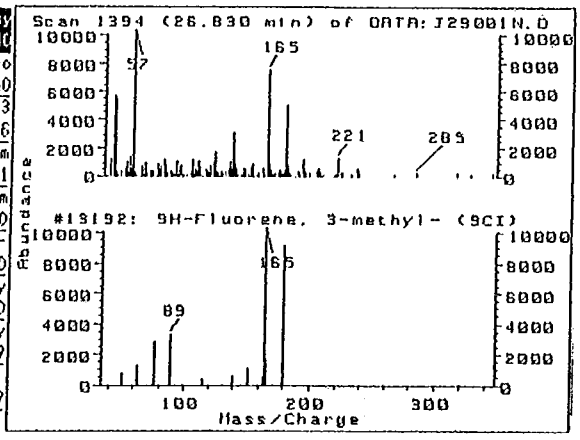
Entry# = 17420 CAS Num = 00143-22-6
Company ID Num = NBS 9/85
Mol.Weight = 206.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]- (8CI9CI)

Mol. Formula =
C10H22O4

Misc. Info. =
Carbohydrates;

20

9H-Fluorene, 3-methy	
02523-39-9	40
Ethanone, 1-(2-hydro	
04223-84-1	40
Phosphonic acid, 1,3	
22401-25-8	36
Ethanone, 1-(2,5-dim	
01201-38-3	31
Thiazolo[5,4-d]pyrim	
19835-21-3	30
3-Buten-2-one, 4-(4-	
03160-40-5	30
9H-Fluorene, 4-methy	
01556-99-6	30
9H-Fluorene, 9-methy	
02523-37-7	29
2-Cyclohexen-1-one,	
27185-78-0	29



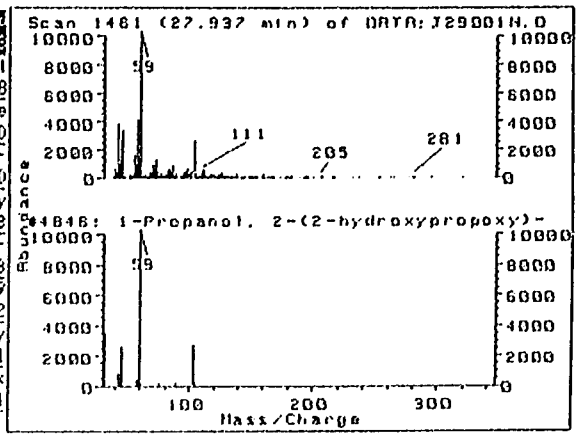
Entry# = 13192 CAS Num = 02523-39-9
Company ID Num = NBS 9/85
Mol.Weight = 180.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
9H-Fluorene, 3-methyl- (9CI)

Mol. Formula =
C14H12

Misc. Info. =

21

1-Propanol, 2-(2-hyd	
00106-62-7	83
2-Propanol, 1-(1-met	
55956-25-7	58
1,8-Nonanediol, 8-me	
54725-73-4	50
1,7-Octanediol, 3,7-	
00107-74-4	40
Pentanamide, 4-methy	
01119-29-5	33
2,3-Butanediol, 2,3-	
00076-09-5	33
Silane, hexyl- (8CI9	
01072-14-6	32
Propanoic acid, 2-hy	
00080-55-7	31
2-Propanol, 1-methox	
03587-64-2	31



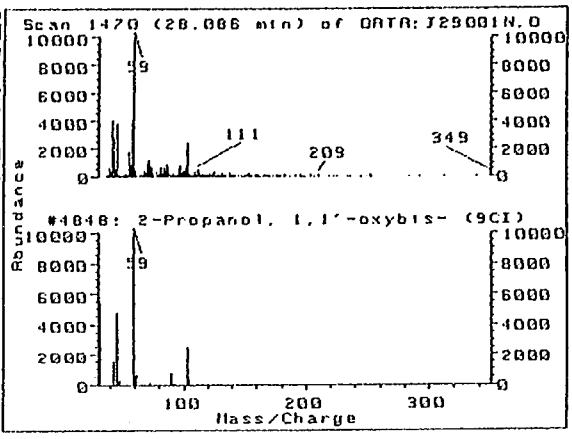
Entry# = 4846 CAS Num = 00106-62-7
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI9CI)

Mol. Formula =
C6H14O3

Misc. Info. =

22

2-Propanol, 1,1'-oxy	
00110-98-5	60
2-Propanol, 1-(1-met	
55956-25-7	46
Propanoic acid, 2-hy	
02110-78-3	44
1-Propanol, 2-(2-hyd	
00106-62-7	36
Ethanedioic acid, di	
00553-90-2	36
2-Butanol, 1-methoxy	
53778-73-7	35
1,8-Nonanediol, 8-me	
54725-73-4	35
2-Pentanone, 5-metho	
17429-04-8	30
2-Pentanol, 2,4-dime	
00625-06-9	30



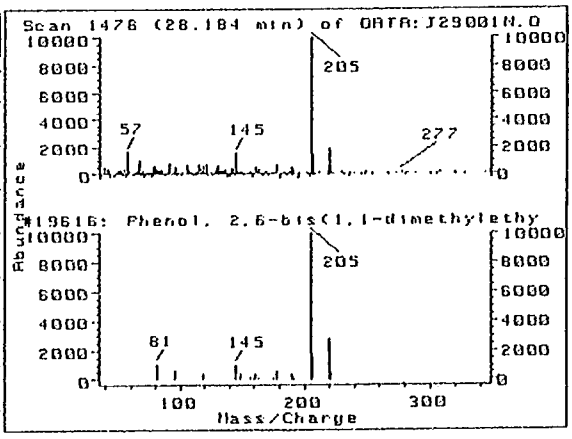
Entry# = 4848 CAS Num = 00110-98-5
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1,1'-oxybis- (9CI)

Mol. Formula =
C6H14O3

Misc. Info. =
Carbohydrates;

23

Phenol, 2,6-bis(1,1-	
00128-37-0	71
1,3-Dioxa-2,4,6-tris	
17945-19-6	41
2-Phenazinecarbonitr	
06479-93-2	41



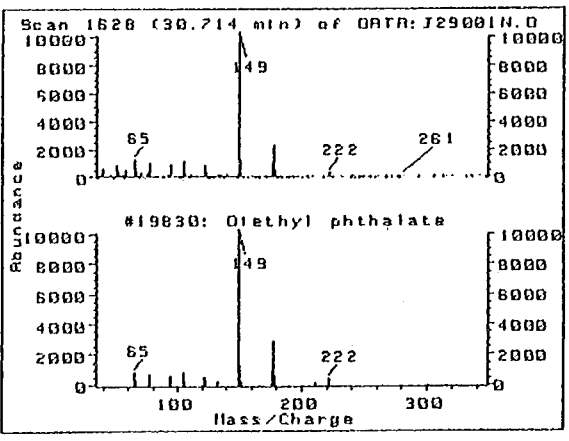
Entry# = 19616 CAS Num = 00128-37-0
Company ID Num = NBS 9/85
Mol.Weight = 220.182 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (9CI)

Mol. Formula =
C15H24O

Misc. Info. =
Drugs; Pesticides;

24

Diethyl phthalate	
00084-66-2	93
1H-s-Triazolo[1,5-a]	
13980-64-8	29
Carbamodithioic acid	
16696-88-1	29
Benzothiazole, 2-met	
00120-75-2	27



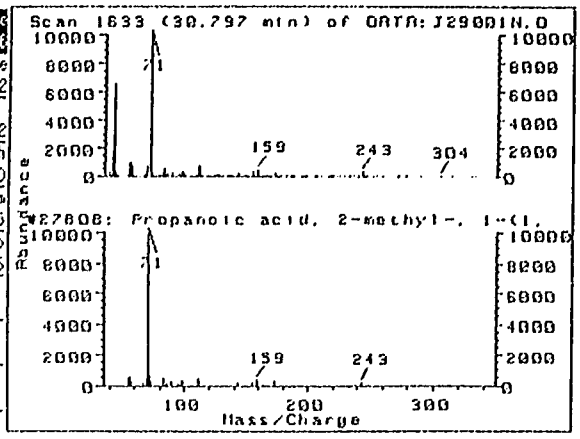
Entry# = 19830 CAS Num = 00084-66-2
Company ID Num = NBS 9/85
Mol.Weight = 222.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Diethyl phthalate

Mol. Formula =
C12H14O4

Misc. Info. =
Pesticides; Priority Pollutants;

25

Propanoic acid, 2-me	
74381-40-1	78
Methylamine, N-(1-me	
22058-71-5	52
Ethane, isocyanato-	
00109-90-0	52
Dodecane, 4,6-dimeth	
61141-72-8	20
1-Hexene, 3,4,5-trim	
56728-10-0	15
Butanoic acid, 2-pro	
02051-78-7	15



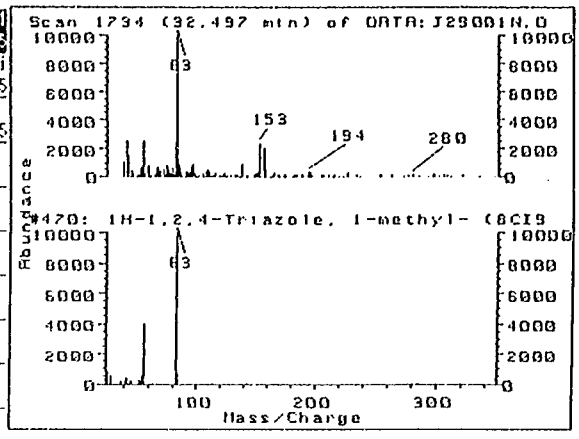
Entry# = 27808 CAS Num = 74381-40-1
Company ID Num = NBS 97/85
Mol.Weight = 286.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester (9CI)

Mol. Formula =
C16H30O4

Misc. Info. =

26

1H-1,2,4-Triazole, 1	
06086-21-1	28
Cyclohexanecarboxyli	
04840-76-0	25
Cyclohexane, bromo-	
00108-85-0	25



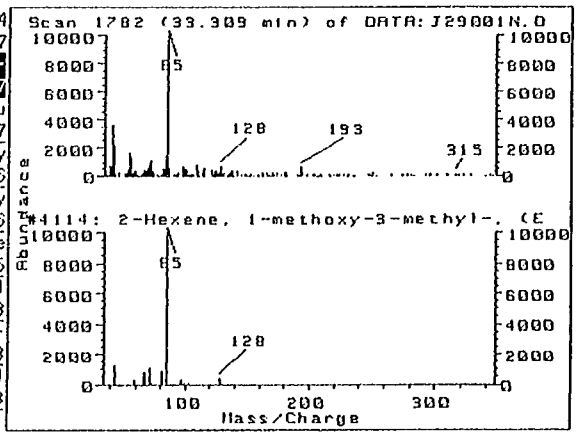
Entry# = 470 CAS Num = 06086-21-1
Company ID Num = NBS 97/85
Mol.Weight = 83.048 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-1,2,4-Triazole, 1-methyl- (8CI9CI)

Mol. Formula =
C3H5N3

Misc. Info. =

27

Pentane, 3-ethyl-2,4	
01068-87-7	47
2-Hexene, 1-methoxy-	
56052-84-7	47
2(3H)-Furanone, 5-bu	
00104-50-7	47
Pyrrolidine, 3-methy	
34375-89-8	46
2(3H)-Furanone, dihy	
15456-69-6	46
2(3H)-Furanone, 5-he	
00706-14-9	45
Ethanone, 1-(3-ethyl	
17257-81-7	43
2-Norpinanol, 3,6,6-	
29548-09-2	43
2-Pyrrolidinone (8CI	
00616-45-5	43



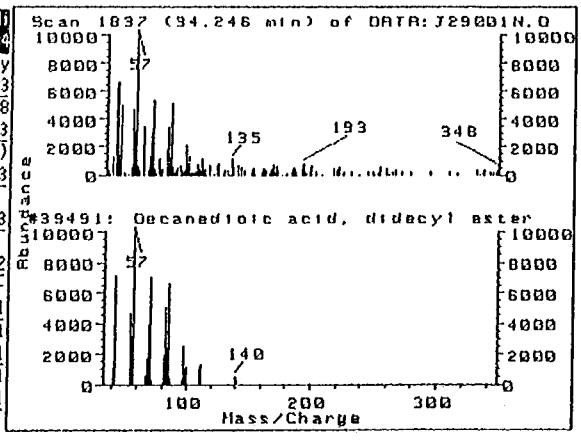
Entry# = 4114 CAS Num = 56052-84-7
Company ID Num = NBS 97/85
Mol.Weight = 128.119 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Hexene, 1-methoxy-3-methyl-, (E)- (9CI)

Mol. Formula =
C8H16O

Misc. Info. =

28

Decanedioic acid, di	
02432-89-5	34
2(3H)-Furanone, dihy	
00105-21-5	33
Nonane, 5-methyl- (8	
15869-85-9	33
Octane (DOT)(8CI9CI)	
00111-65-9	33
Nonane (8CI9CI)	
00111-84-2	33
1H-Tetrazol-5-amine	
04418-61-5	32
2-Hexene, 1-methoxy-	
56052-84-7	31
Octane, 2,4,6-trimet	
62016-37-9	31
Decane, 2,3,5-trimet	
62238-11-3	31



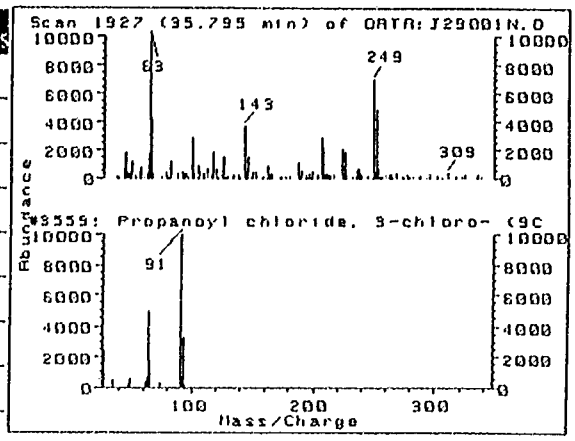
Entry# = 39491 CAS Num = 02432-89-5
Company ID Num = NBS 97/85
Mol.Weight = 482.432 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Decanedioic acid, didecyl ester (9CI)

Mol. Formula =
C30H58O4

Misc. Info. =
Fatty acids and Lipids;

29

Propanoyl chloride,
00625-36-5 25



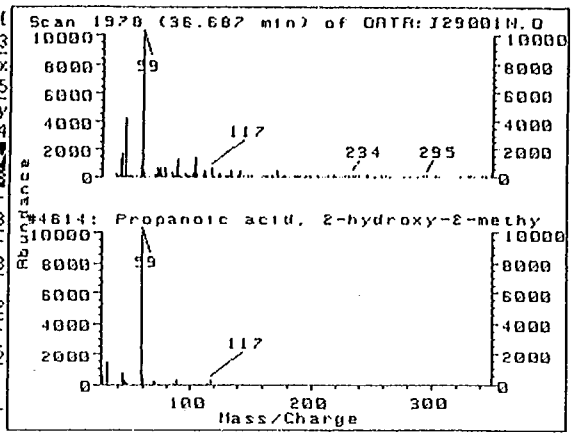
Entry# = 3559 CAS Num = 00625-36-5
Company ID Num = NBS 9/85
Mol.Weight = 125.963 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoyl chloride, 3-chloro- (9CI)

Mol. Formula =
C3H4Cl2O

Misc. Info. =

30

Ethane, 1,1'-oxybis[
00111-96-6 53
1-Propanol, 2-methox
01589-47-5 45
1-Butanol, 3-methoxy
02517-43-3 44
Propanoic acid, 2-hy
00080-55-7 43
Formamide, N-formyl-
18197-25-6 43
Butane, 2-methoxy-3-
62016-49-3 43
Butanamide (9CI)
00541-35-5 42
Ethene, (2-ethoxy-1-
54063-18-2 15



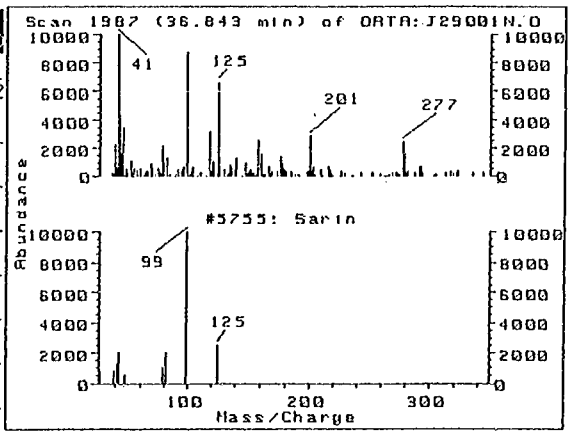
Entry# = 4614 CAS Num = 00080-55-7
Company ID Num = NBS 9/85
Mol.Weight = 132.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-hydroxy-2-methyl-, ethyl ester (9CI)

Mol. Formula =
C6H12O3

Misc. Info. =

31

Sarin
00107-44-8 20
1-Piperazineethanol
00103-76-4 15



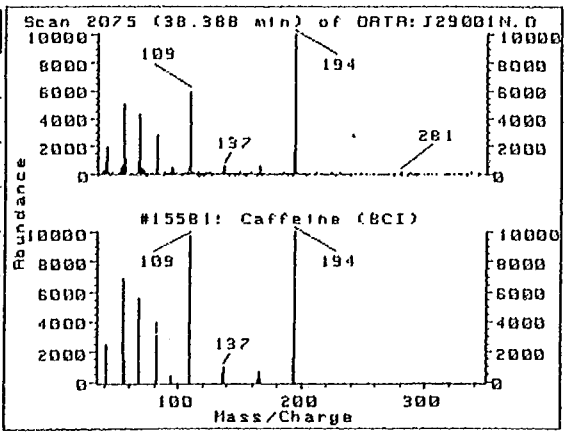
Entry# = 5755 CAS Num = 00107-44-8
Company ID Num = NBS 9/85
Mol.Weight = 140.040 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Sarin

Mol. Formula =
C4H10FO2P

Misc. Info. =

32

Caffeine (8CI)
00058-08-2 91



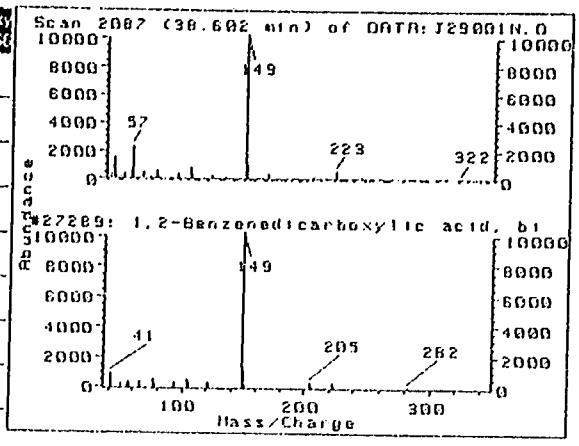
Entry# = 15581 CAS Num = 00058-08-2
Company ID Num = NBS 9/85
Mol.Weight = 194.080 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Caffeine (8CI)

Mol. Formula =
C8H10N4O2

Misc. Info. =
Alkaloids; Drugs;

33

1,2-Benzenedicarboxy
00117-82-8 60



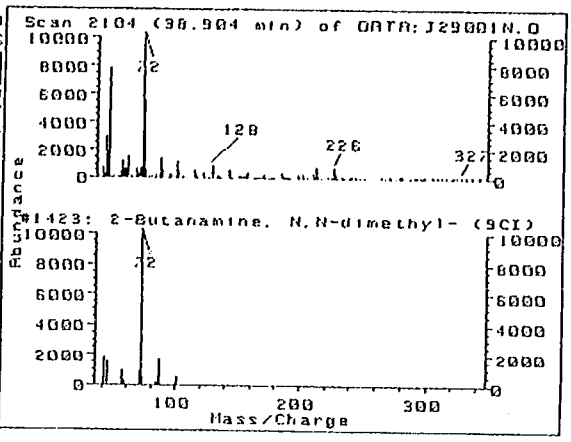
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

34

2-Pentanamine, N-eth
42966-64-3 26
2-Butanamine, N,N-di
00921-04-0 25
1-Hepteno, 2-methoxy
61142-46-9 25
Oxirane, 2,3-dimethy
03266-23-7 25
2-Heptanamine, 5-met
53907-81-6 24
2-Heptanone, 3-methy
02371-19-9 20
2-Pentanone, 3-ethyl
06137-03-7 20
2-Butanamine, 3,3-di
03850-30-4 20
2-Propanamine (9CI)
00075-31-0 20



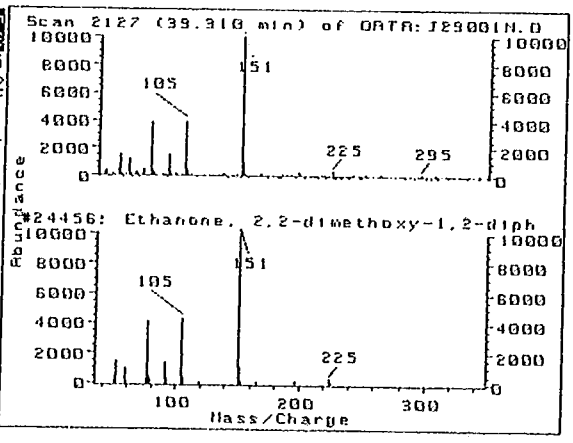
Entry# = 1423 CAS Num = 00921-04-0
Company ID Num = NBS 9/85
Mol.Weight = 101.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanamine, N,N-dimethyl- (9CI)

Mol. Formula =
C6H15N

Misc. Info. =

35

Ethanone, 2,2-dimeth
24650-42-8 63
2(3H)-Benzoxazolethi
02382-96-9 52



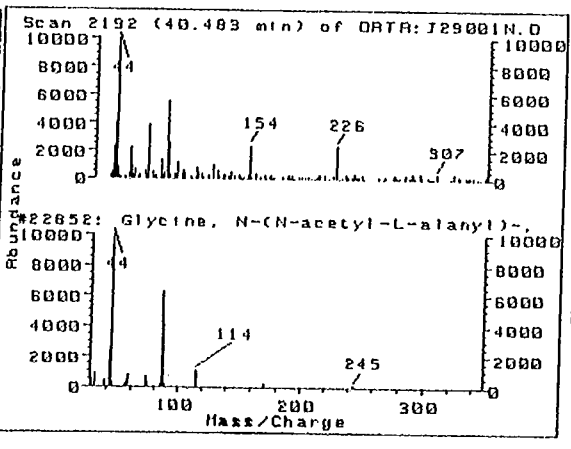
Entry# = 24456 CAS Num = 24650-42-8
Company ID Num = NBS 9/85
Mol.Weight = 256.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 2,2-dimethoxy-1,2-diphenyl- (9CI)

Mol. Formula =
C16H16O3

Misc. Info. =

36

Glycine, N-(N-acetyl
55712-36-2 25
2-Propenoic acid, 2-
00105-16-8 15
Hexanamide, N,N-dibu
52868-51-6 15
Acetamide, 2-(diethy
00616-68-2 15
Benzamide, 4-amino-N
00051-06-9 15
1-Dodecanamine, N,N-
04271-27-6 15
Propylamine, 3-chlor
32786-66-6 11
1,2-Ethanediamine, N
54966-00-6 11
1,2-Ethanediamine, N
00150-77-6 11

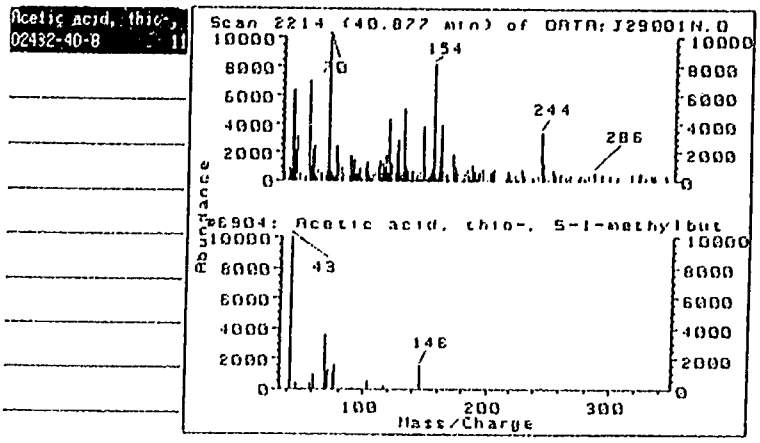


Entry# = 22852 CAS Num = 55712-36-2
Company ID Num = NBS 9/85
Mol.Weight = 244.141 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Glycine, N-(N-acetyl-L-alanyl)-, butyl ester (9CI)

Mol. Formula =
C11H20N2O4

Misc. Info. =
Amino Acids;

37

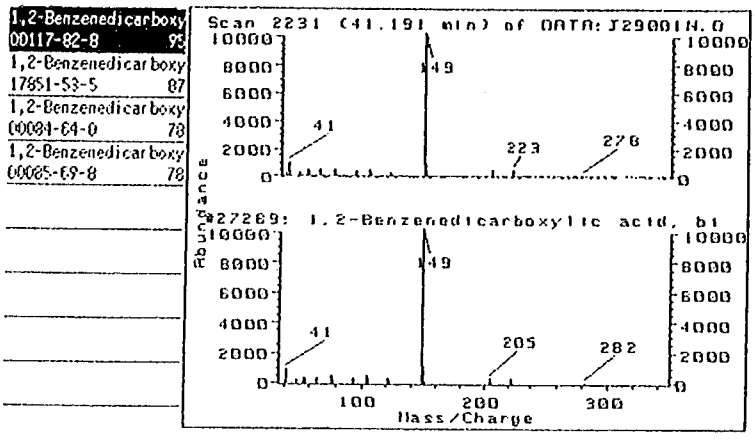


Entry# = 6904 CAS Num = 02432-40-8
Company ID Num = NBS 9/85
Mol.Weight = 146.076 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Acetic acid, thio-, S-1-methylbutyl ester (8CI)

Mol. Formula =
C7H14OS

Misc. Info. =

38

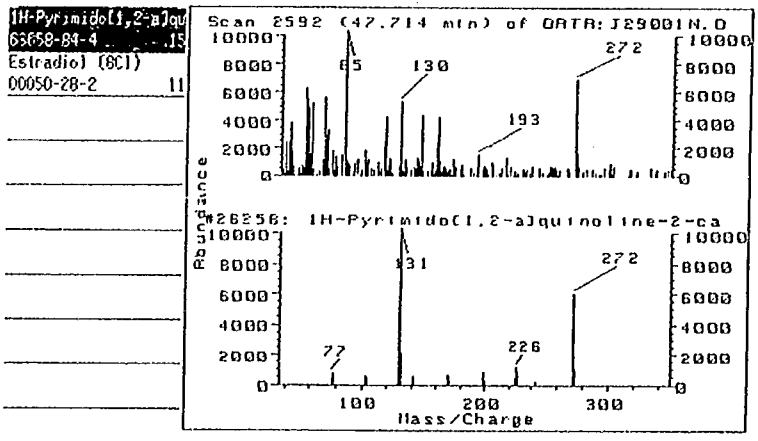


Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) e
ster (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

39

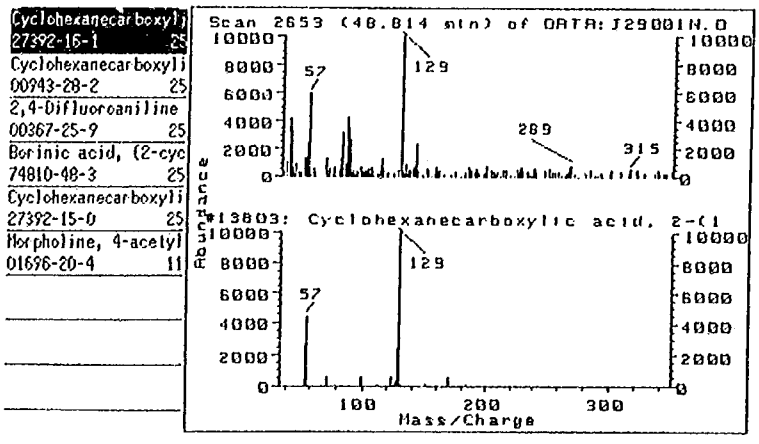


Entry# = 26258 CAS Num = 63658-84-4
Company ID Num = NBS 9/85
Mol.Weight = 272.115 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Pyrimido[1,2-a]quinoline-2-carboxylic acid, 4,4a
,5,6-tetrahydro-1-oxo-, ethyl ester (9CI)

Mol. Formula =
C15H16N2O3

Misc. Info. =
Alkaloids;

40



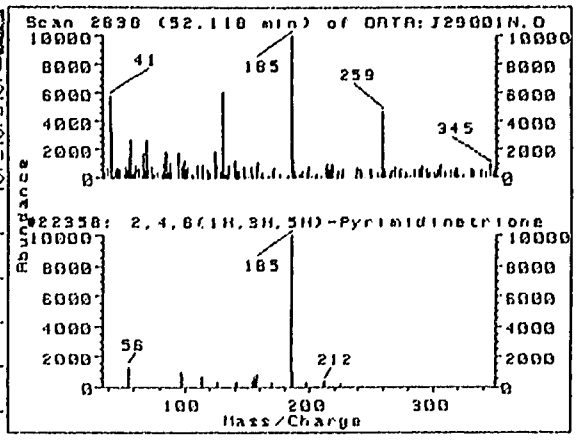
Entry# = 13803 CAS Num = 27392-16-1
Company ID Num = NBS 9/85
Mol.Weight = 184.145 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclohexanecarboxylic acid, 2-(1,1-dimethylethyl)-,
trans- (9CI)

Mol. Formula =
C11H20O2

Misc. Info. =

41

2,4,6(1H,3H,5H)-Pyr
51209-91-7 30
(1,1'-Biphenyl)-4-ol
01134-36-7 25
Naphthalene, 1-isoth
00551-06-4 25
Carbamic acid, (4-ch
00940-36-3 25



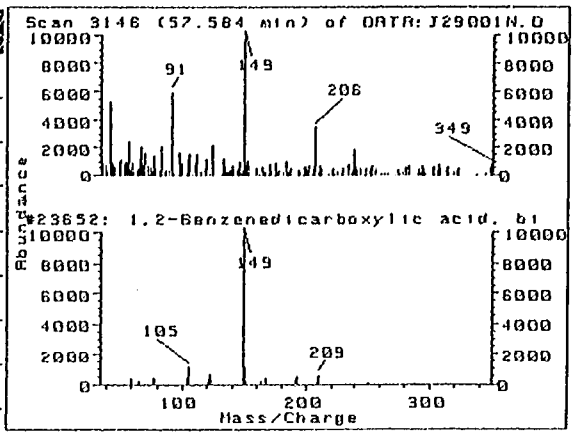
Entry# = 22358 CAS Num = 51209-91-7
Company ID Num = NBS 9/85
Mol.Weight = 240.146 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,4,6(1H,3H,5H)-Pyrimidinetrione, 5,5-diethyl-1-(2-methylpropyl)- (9CI)

Mol. Formula =
C12H20N2O3

Misc. Info. =
Alkaloids;

42

1,2-Benzenedicarboxy
00605-45-8 20



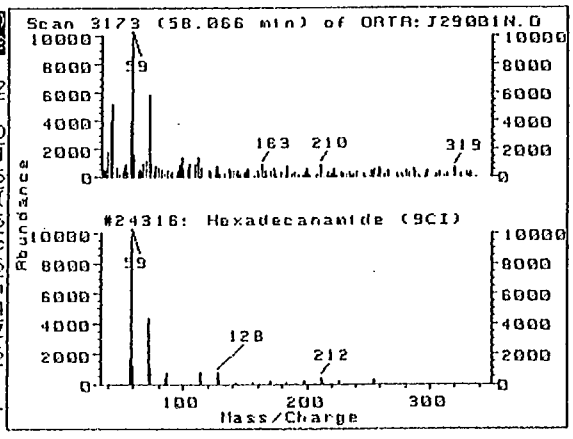
Entry# = 23652 CAS Num = 00605-45-8
Company ID Num = NBS 9/85
Mol.Weight = 250.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(1-methylethyl) ester (9CI)

Mol. Formula =
C14H18O4

Misc. Info. =

43

Hexadecanamide (9CI)
00629-54-9 63
Nonanamide (8CI,9CI)
01120-07-6 32
Dodecanamide (9CI)
01120-16-7 30
Oxirane, tetramethyl
05076-20-0 25
Heptane, 1-ethoxy- (
01969-43-3 25
2-Propanol, 1-(isooc
56282-27-0 25
Phosphoric acid, eth
10429-10-4 24
9-Octadecenamide, (Z
00301-02-0 15



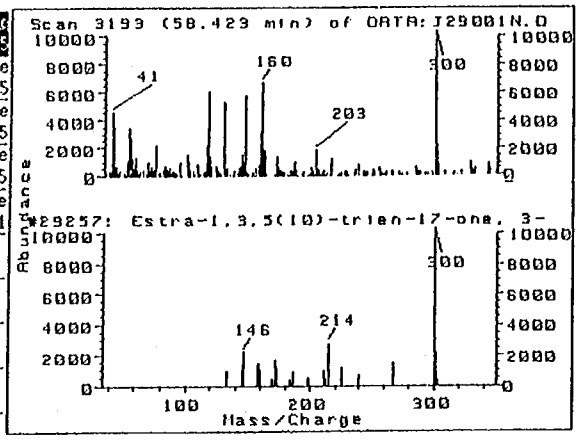
Entry# = 24316 CAS Num = 00629-54-9
Company ID Num = NBS 9/85
Mol.Weight = 255.255 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexadecanamide (9CI)

Mol. Formula =
C16H33NO

Misc. Info. =
Fatty acids and Lipids;

44

Estra-1,3,5(10)-trie
74299-15-3 25
Estra-1,3,5(10)-trie
05976-63-6 15
Estra-1,3,5(10)-trie
05976-62-5 15
Estra-1,3,5(10)-trie
00362-08-3 15
Estra-1,3,5(10)-trie
05210-12-8 11



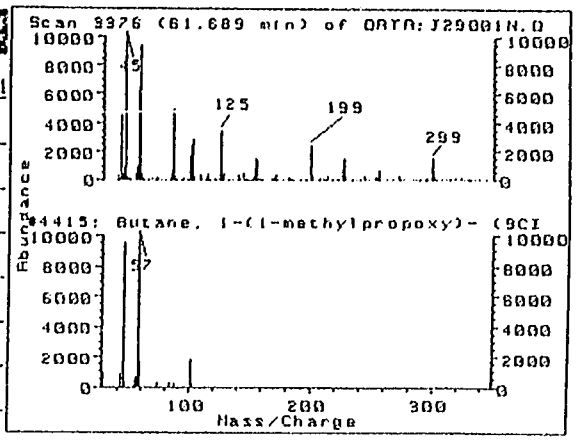
Entry# = 29257 CAS Num = 74299-15-3
Company ID Num = NBS 9/85
Mol.Weight = 300.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Estra-1,3,5(10)-trien-17-one, 3-hydroxy-15-methoxy-, (15.beta.)- (9CI)

Mol. Formula =
C19H24O3

Misc. Info. =
Steroids;

45

Butane, 1-(1-methyl
00999-65-5 15
2-Hexanol (8CI,9CI)
00626-93-7 11



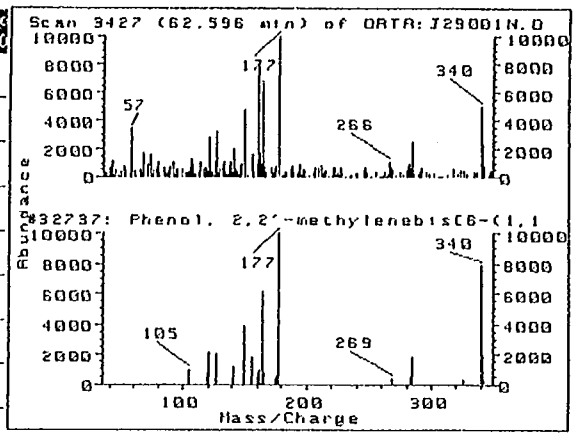
Entry# = 4415 CAS Num = 00999-65-5
Company ID Num = NBS 9/85
Mol.Weight = 130.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butane, 1-(1-methylpropoxy)- (9CI)

Mol. Formula =
C8H18O

Misc. Info. =

46

Phenol, 2,2'-methyl
00119-47-1 20



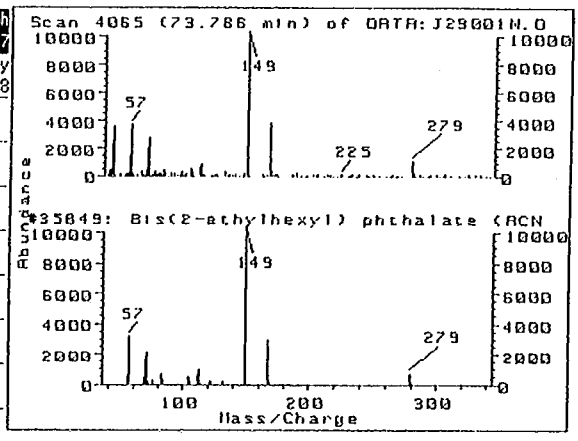
Entry# = 32737 CAS Num = 00119-47-1
Company ID Num = NBS 9/85
Mol.Weight = 340.239 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,2'-methylenebis(6-(1,1-dimethylethyl)-4-methyl- (9CI)

Mol. Formula =
C23H32O2

Misc. Info. =

47

Bis(2-ethylhexyl) ph
00117-81-7 67
1,2-Benzenedicarboxy
00603-11-2 58



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

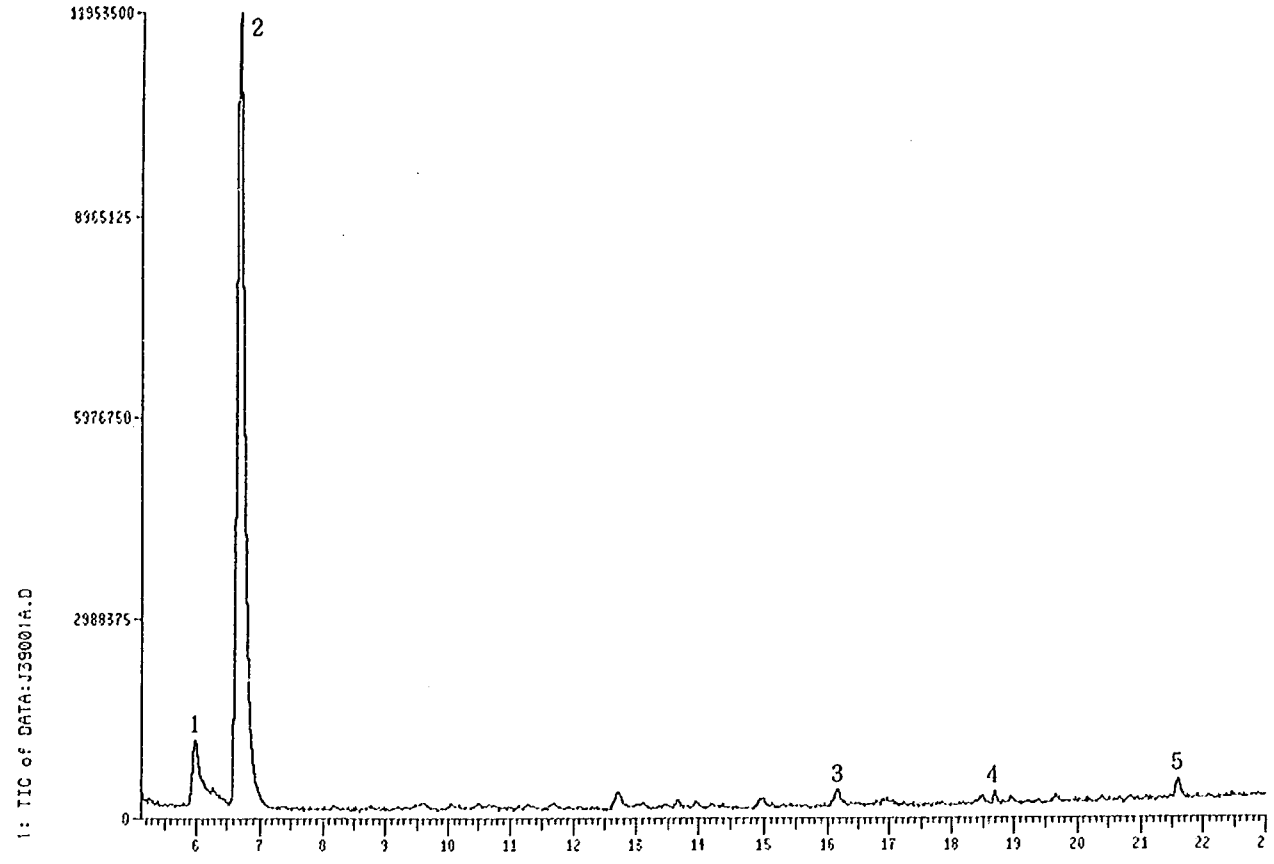
Misc. Info. =
Pesticides; Priority Pollutants;

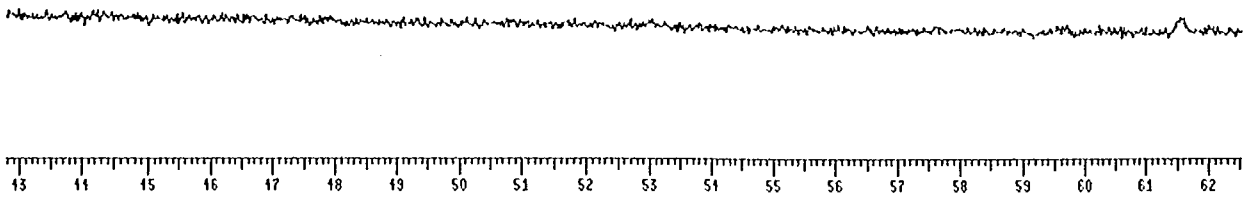
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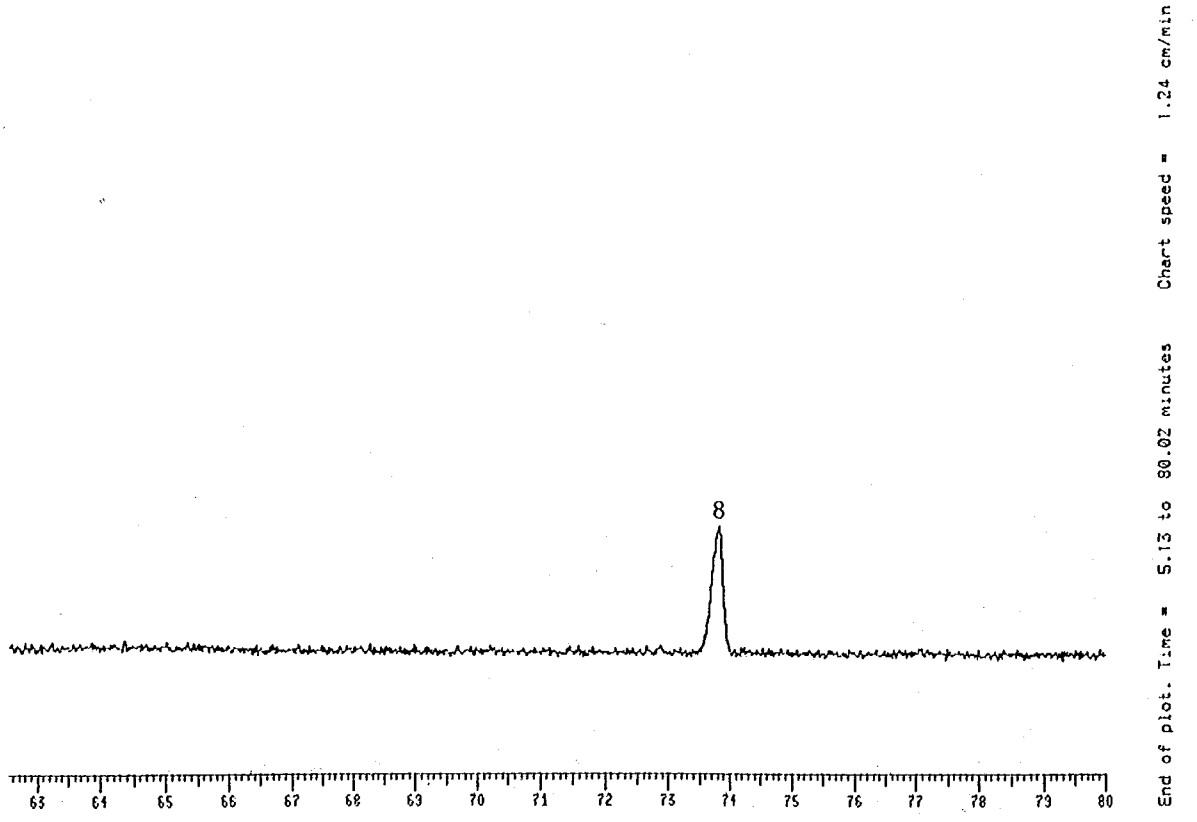
J 処理場　二次処理水　酸性分画

J39001A

No	Name
1	3-Penten-2-one, 4-methyl-
2	unknown
3	Octanoic acid
4	unknown
5	1,2-Benzenedicarboxylic acid
6	unknown
7	unknown
8	1,2-Benzenedicarboxylic acid, 3-nitro-

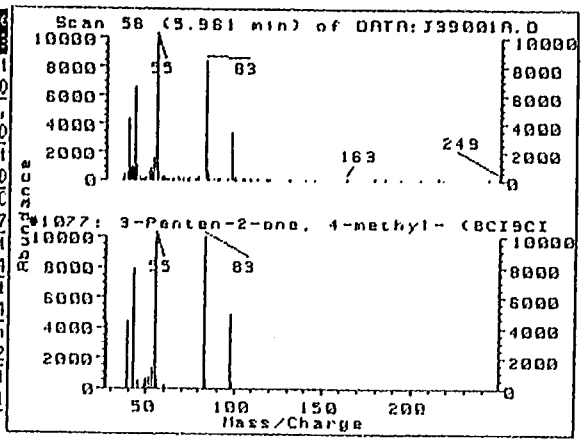

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2988375
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63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.02 minutes Chart speed = 1.24 cm/min

1

3-Penten-2-one, 4-me	
00141-79-7	83
2-Pentene, 2,3-dimet	
10574-37-5	60
Cyclopropane, 1,1,2,	
04127-47-3	60
Ethanone, 1-cyclobut	
03019-25-8	60
3-Hexen-2-one (8CI9C	
00763-93-9	57
2-Pentene, 3,4-dimet	
04914-91-4	34
2-Pentene, 4,4-dimet	
26232-98-4	34
1H-Pyrazole, 4,5-dih	
28019-94-5	32
2-Pentene, 3,4-dimet	
04914-92-5	31



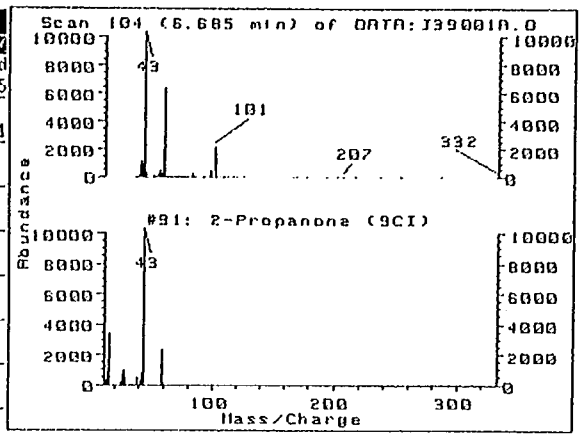
Entry# = 1077 CAS Num = 00141-79-7
Company ID Num = NBS 9/85
Mol.Weight = 98.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Penten-2-one, 4-methyl- (8CI9CI)

Mol. Formula =
C6H10O

Misc. Info. =
Pesticides;

2

2-Propanone (9CI)	
00067-64-1	27
Hydroperoxide, 1,1-d	
00075-91-2	25
Acetamide (8CI9CI)	
00060-35-5	11



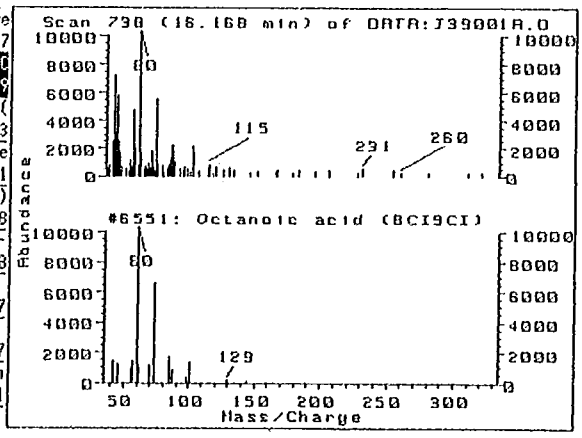
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

3

Octanoic acid, silve	
24927-67-1	47
Octanoic acid (8CI9C	
00124-07-2	39
Hexanoic acid (DOT)(	
00142-62-1	33
Pentanoic acid, 3-me	
00105-43-1	31
Pentanoic acid (9CI)	
00109-52-4	28
1-Propene, 2-fluoro-	
01184-60-7	28
Hexanamide (8CI9CI)	
00628-02-4	27
Thiirane (9CI)	
00420-12-2	27
Octane, 1-(ethenyl)th	
42779-08-8	11



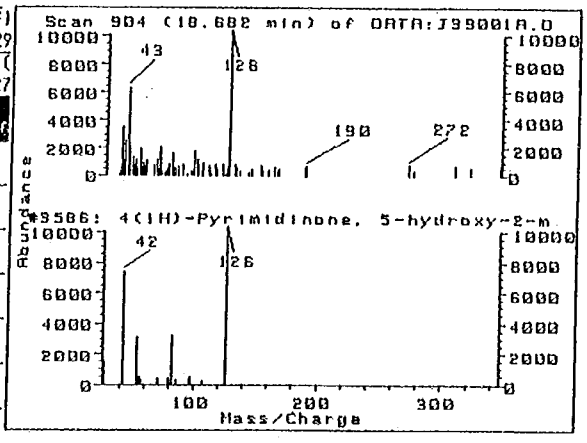
Entry# = 6551 CAS Num = 00124-07-2
Company ID Num = NBS 9/85
Mol.Weight = 144.119 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Octanoic acid (8CI9CI)

Mol. Formula =
C8H16O2

Misc. Info. =
Pesticides;

4

Ethane, 1-bromo-2-fl	
00762-49-2	29
1,2,3-Benzenetriol (	
00087-66-1	27
4(1H)-Pyrimidinone,	
24614-14-0	25



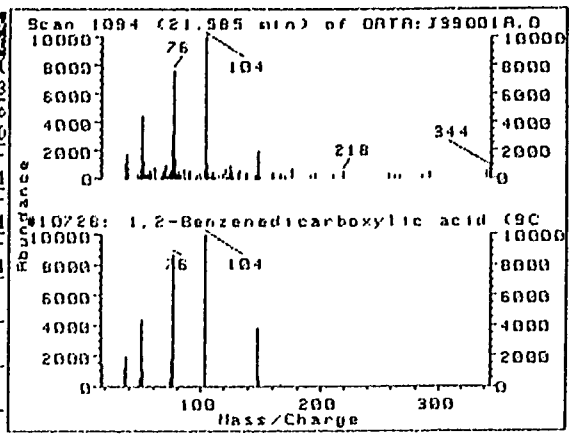
Entry# = 3586 CAS Num = 24614-14-0
Company ID Num = NBS 9/85
Mol.Weight = 126.042 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
4(1H)-Pyrimidinone, 5-hydroxy-2-methyl- (8CI9CI)

Mol. Formula =
C5H6N2O2

Misc. Info. =
Alkaloids; Misc. Natural products;

5

1,2-Benzenedicarboxy	
00088-99-3	70
Phthalic anhydride (	
00085-44-9	73
1H-Indene-1,2,3-trio	
66938-24-9	60
1-Propene, 2-chloro-	
00557-98-2	11
1-Propene, 3-chloro-	
00107-05-1	11
1-Propene, 1-chloro-	
00590-21-6	11



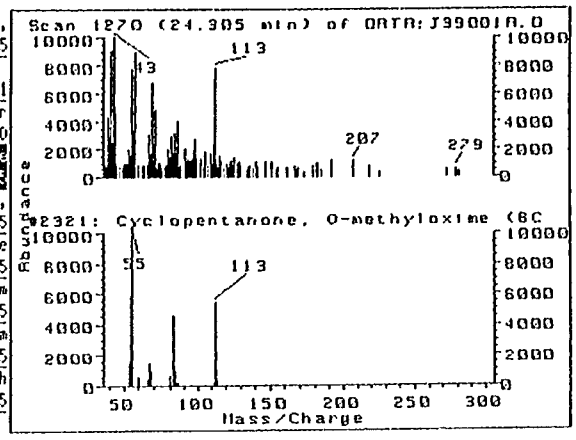
Entry# = 10728 CAS Num = 00088-99-3
Company ID Num = NBS 9/85
Mol.Height = 166.026 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid (9CI)

Mol. Formula =
C8H6O4

Misc. Info. =

6

1,3,2-Dioxaborolane,	
57633-64-4	35
Nzomycin	
00527-73-1	31
1H-Imidazole, 4-nitr	
03034-38-6	30
Cyclopentanone, O-me	
03376-37-2	25
1,7-Undecadien-6-ol,	
75311-75-0	25
2H-Pyranmethanol, te	
54004-46-5	25
Isothiazole, 4,5-dim	
27330-47-8	25
Isothiazole, 3,5-dim	
24260-24-0	25
Thiazole, 4,5-dimeth	
03581-91-7	25



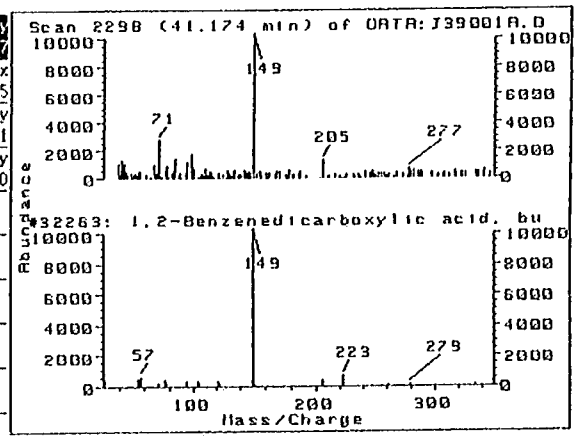
Entry# = 2321 CAS Num = 03376-37-2
Company ID Num = NBS 9/85
Mol.Height = 113.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Cyclopentanone, O-methyloxime (8CI)

Mol. Formula =
C6H11NO

Misc. Info. =

7

1,2-Benzenedicarboxy	
00085-69-8	37
Ethanol, 2-(4-phenox	
55191-59-8	35
1,2-Benzenedicarboxy	
00131-16-8	31
1,2-Benzenedicarboxy	
00605-45-8	30



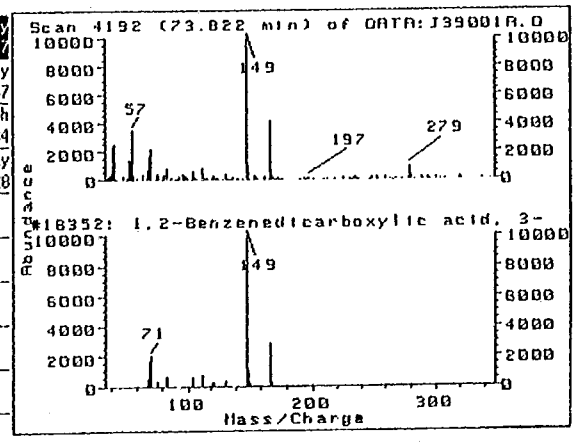
Entry# = 32263 CAS Num = 00085-69-8
Company ID Num = NBS 9/85
Mol.Height = 334.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl es
ter (9CI)

Mol. Formula =
C20H30O4

Misc. Info. =

8

1,2-Benzenedicarboxy	
00603-11-2	87
1,2-Benzenedicarboxy	
27554-26-3	67
Bis(2-ethylhexyl) ph	
00117-81-7	64
1,2-Benzenedicarboxy	
00117-82-8	28



Entry# = 18352 CAS Num = 00603-11-2
Company ID Num = NBS 9/85
Mol.Height = 211.011 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, 3-nitro- (9CI)

Mol. Formula =
C8H5NO6

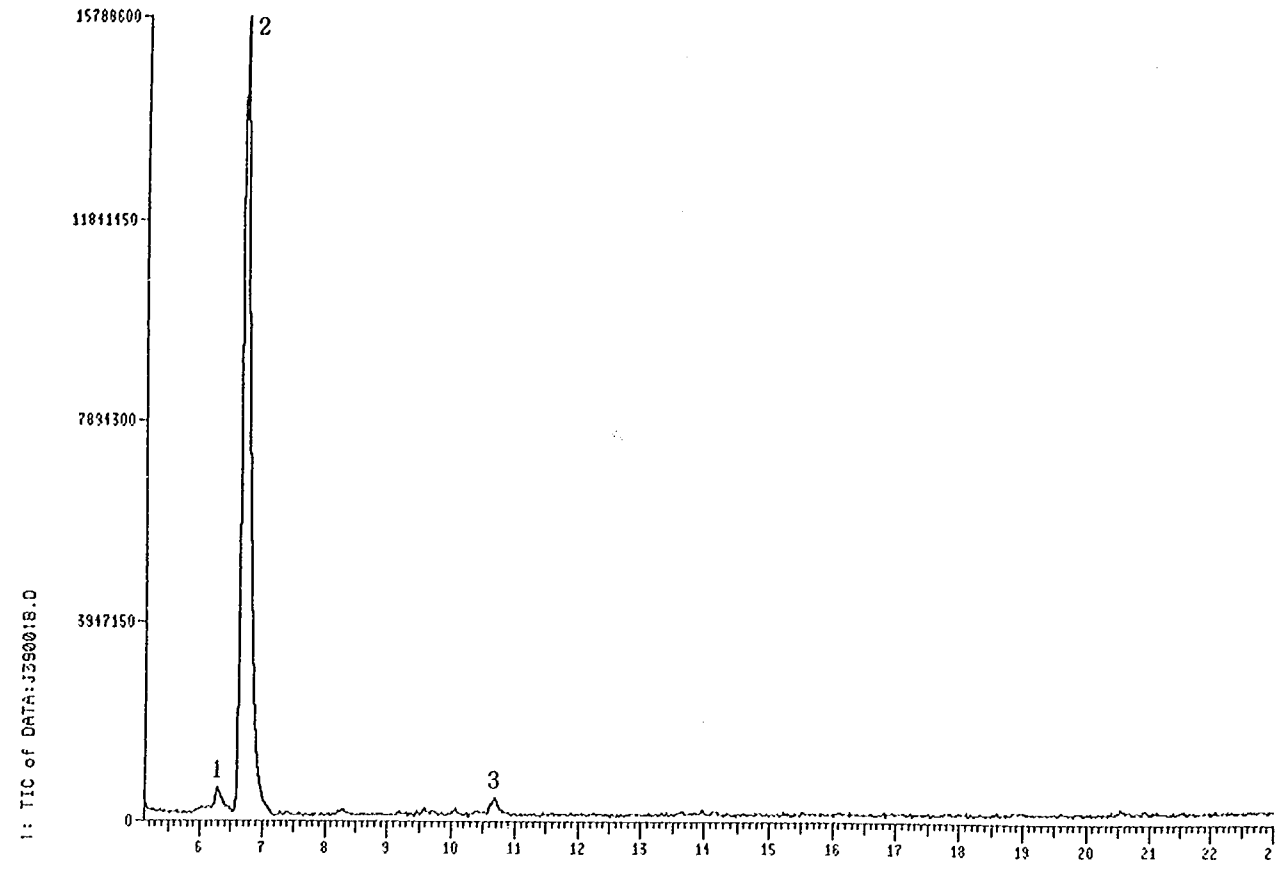
Misc. Info. =

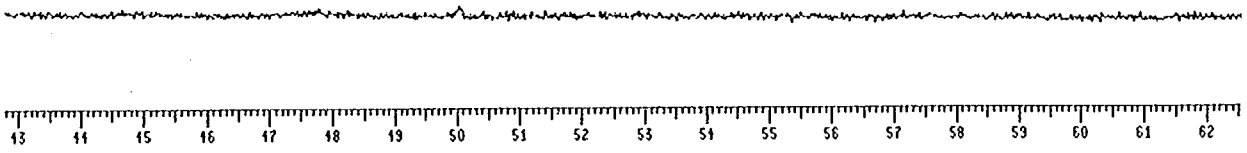
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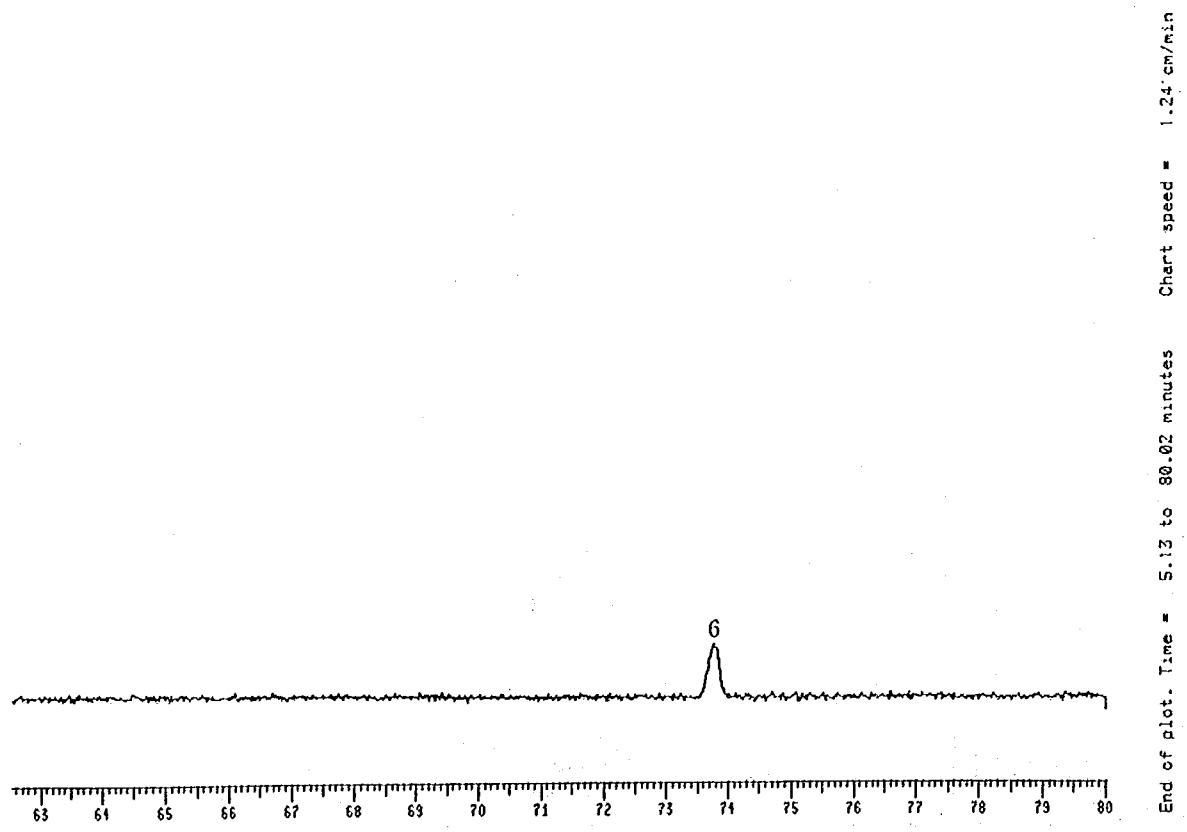
J 処 理 場　二 次 処 理 水　塩 基 性 分 画

J39001B

No	Ｎ ａ ｍ ｅ
1	unknown
2	unknown
3	unknown
4	unknown
5	unknown
6	Bis(2-ethylhexyl) phthalate

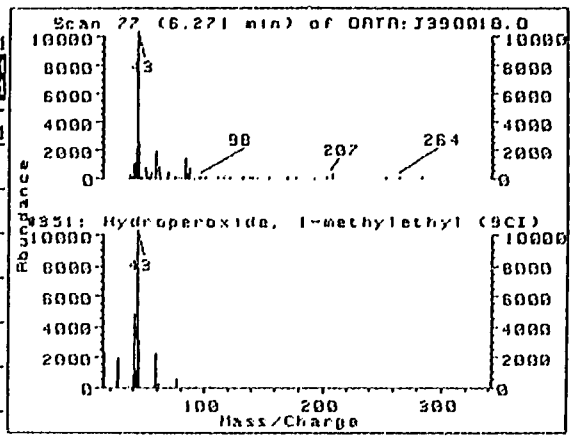

15788600
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7894300
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1: TIC of DATA:J390018.D
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End of plot. Time = 5.13 to 80.02 minutes Chart speed = 1.24 cm/min

1

Oxirane, trimethyl-	
05076-19-7	11
Hydroperoxide, 1-met	
03031-75-2	11
1-Propene, 3-ethoxy-	
00557-31-3	11



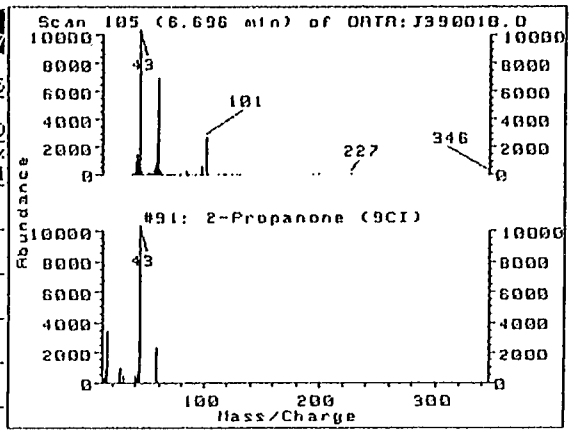
Entry# = 351 CAS Num = 03031-75-2
Company ID Num = NBS 9/85
Mol.Weight = 76.052 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hydroperoxide, 1-methylethyl (9CI)

Mol. Formula =
C3H8O2

Misc. Info. =

2

2-Propanone (9CI)	
00067-64-1	27
Butane (8CI9CI)	
00106-97-8	25
Guanidine (8CI9CI)	
00113-00-8	20
2-Butanone, 3-hydrox	
00115-22-0	11



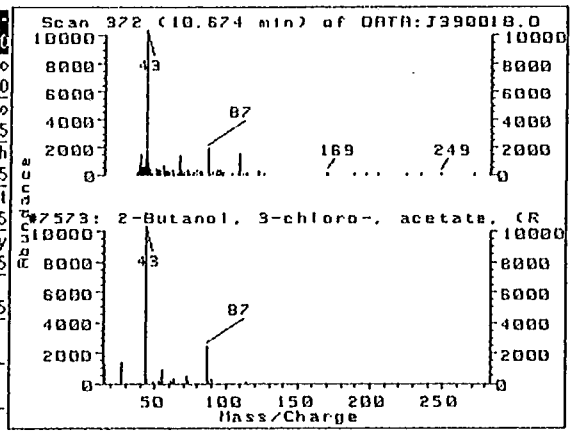
Entry# = 91 CAS Num = 00067-64-1
Company ID Num = NBS 9/85
Mol.Weight = 58.041 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone (9CI)

Mol. Formula =
C3H6O

Misc. Info. =
Drugs; Pesticides;

3

2-Butanol, 3-chloro-	
54192-20-0	20
Benzene, pentachloro	
29082-74-4	20
.alpha.-D-Xylofurano	
35007-52-4	15
1-Butanamine, N-meth	
00110-68-9	15
Guanidine, N,N-dimet	
06145-42-2	15
Propanamide, 2-methy	
00563-83-7	15
2-Pentanol, acetate	
00626-38-0	15



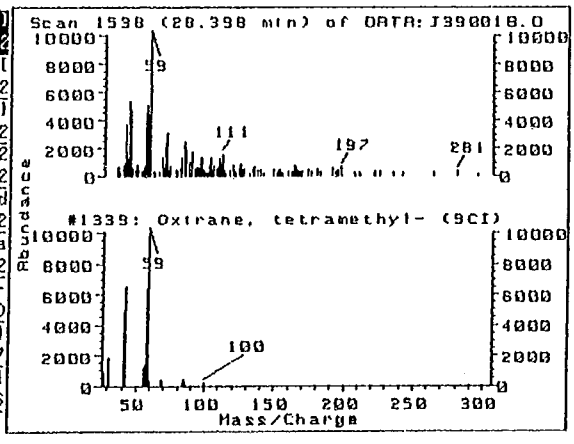
Entry# = 7573 CAS Num = 54192-20-0
Company ID Num = NBS 9/85
Mol.Weight = 150.044 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Butanol, 3-chloro-, acetate, (R*,R*)- (9CI)

Mol. Formula =
C6H11ClO2

Misc. Info. =

4

Oxirane, tetramethyl	
05076-20-0	52
Ethane, 1,1'-oxybis[	
00111-96-6	52
Ethanamine, N-methyl	
00624-78-2	52
Oxirane, 3-ethyl-2,2	
01192-22-9	52
2,5,8,11-Tetraoxadod	
00112-49-2	52
2,5,8,11,14-Pentaoxa	
00143-24-8	52
Propane, 1-ethoxy-2-	
00627-02-1	30
Butanamide, 3-methyl	
00541-46-8	27
2-Propanol, 1,1'-((1	
01638-16-0	26



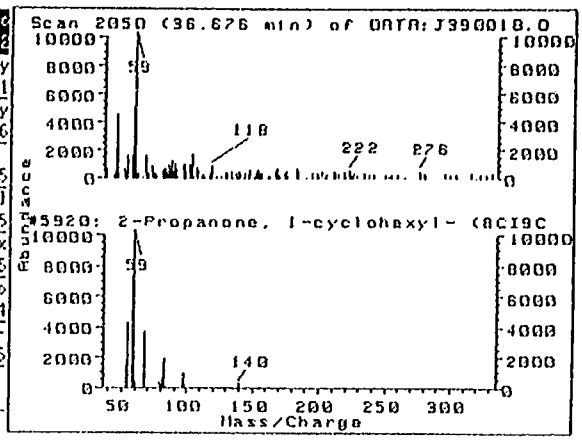
Entry# = 1339 CAS Num = 05076-20-0
Company ID Num = NBS 9/85
Mol.Weight = 100.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Oxirane, tetramethyl- (9CI)

Mol. Formula =
C6H12O

Misc. Info. =

5

2-Propanone, 1-cyclo	
00103-78-6	52
2-Butanol, 1-methoxy	
53778-73-7	31
Ethane, 1,2-diethoxy	
00629-14-1	26
Pentanamide (9CI)	
00626-97-1	25
Butanamide, 3-methyl	
00541-46-8	25
2-Propanol, 1-methox	
03587-64-2	25
1-Butyne, 3-(2-metho	
55702-66-4	24
Ethene, (2-ethoxy-1-	
54063-18-2	15



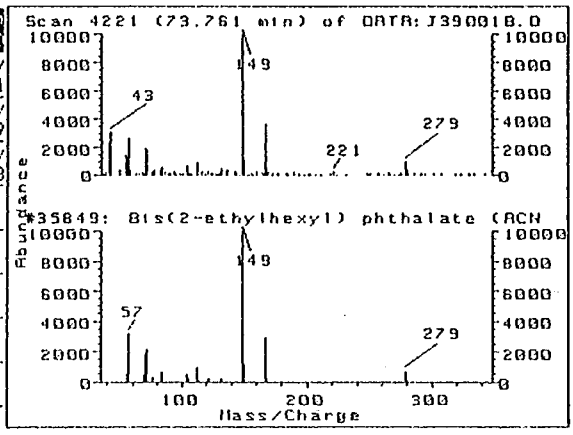
Entry# = 5920 CAS Num = 00103-78-6
Company ID Num = NBS 9/85
Mol.Weight = 140.119 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanone, 1-cyclohexyl- (8CI9CI)

Mol. Formula =
C9H16O

Misc. Info. =

6

Bis(2-ethylhexyl) ph	
00117-81-7	60
1,2-Benzenedicarboxy	
00603-11-2	51
1,2-Benzenedicarboxy	
00605-45-8	29
1,2-Benzenedicarboxy	
00131-16-8	28



Entry# = 35849 CAS Num = 00117-81-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

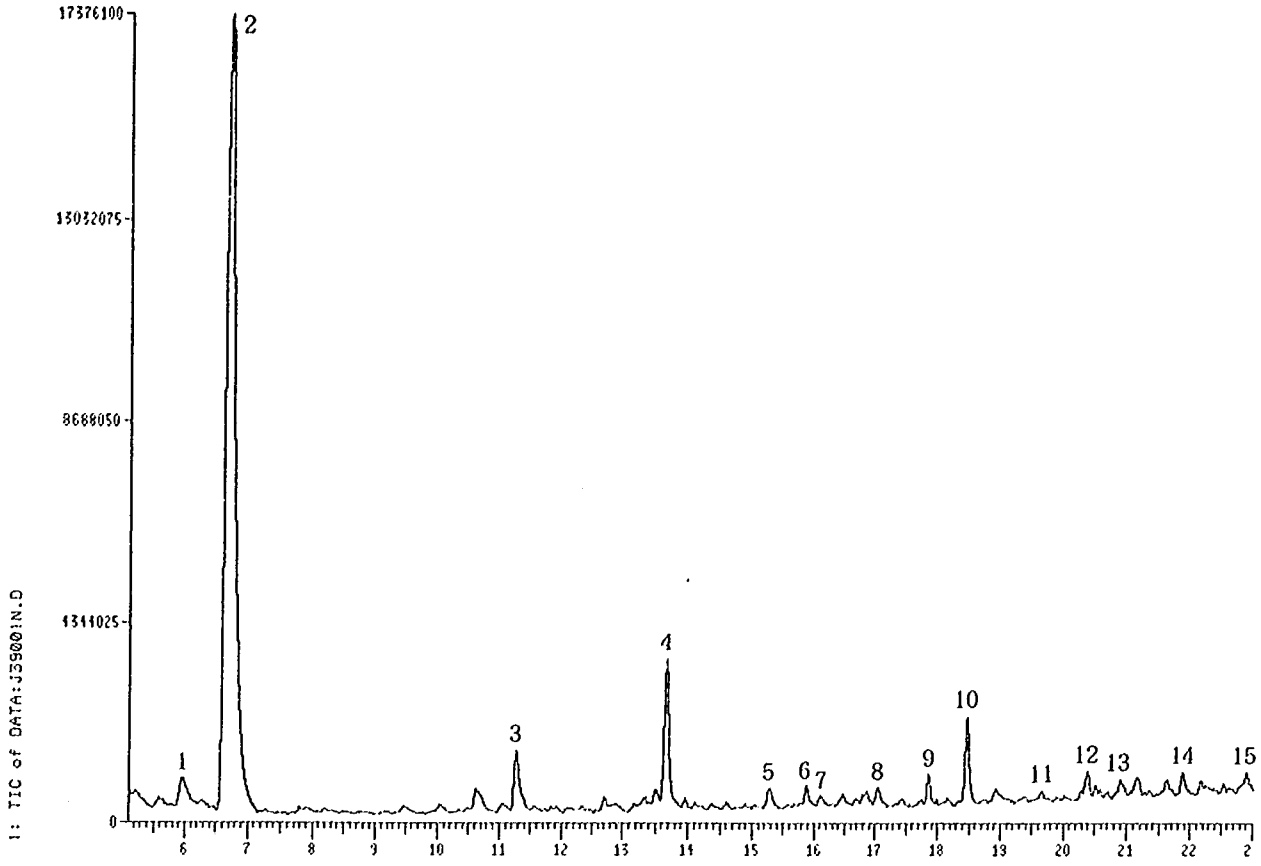
Misc. Info. =
Pesticides; Priority Pollutants;

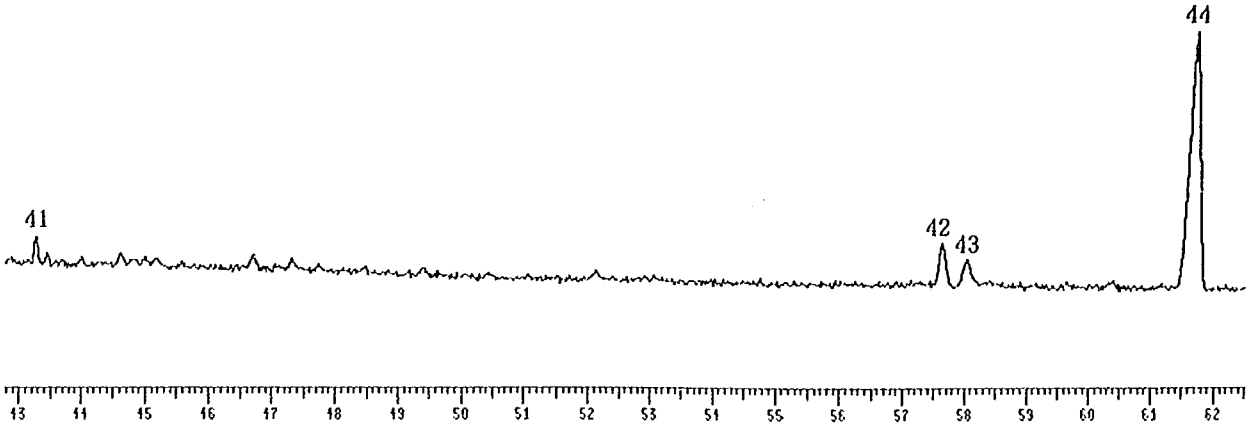
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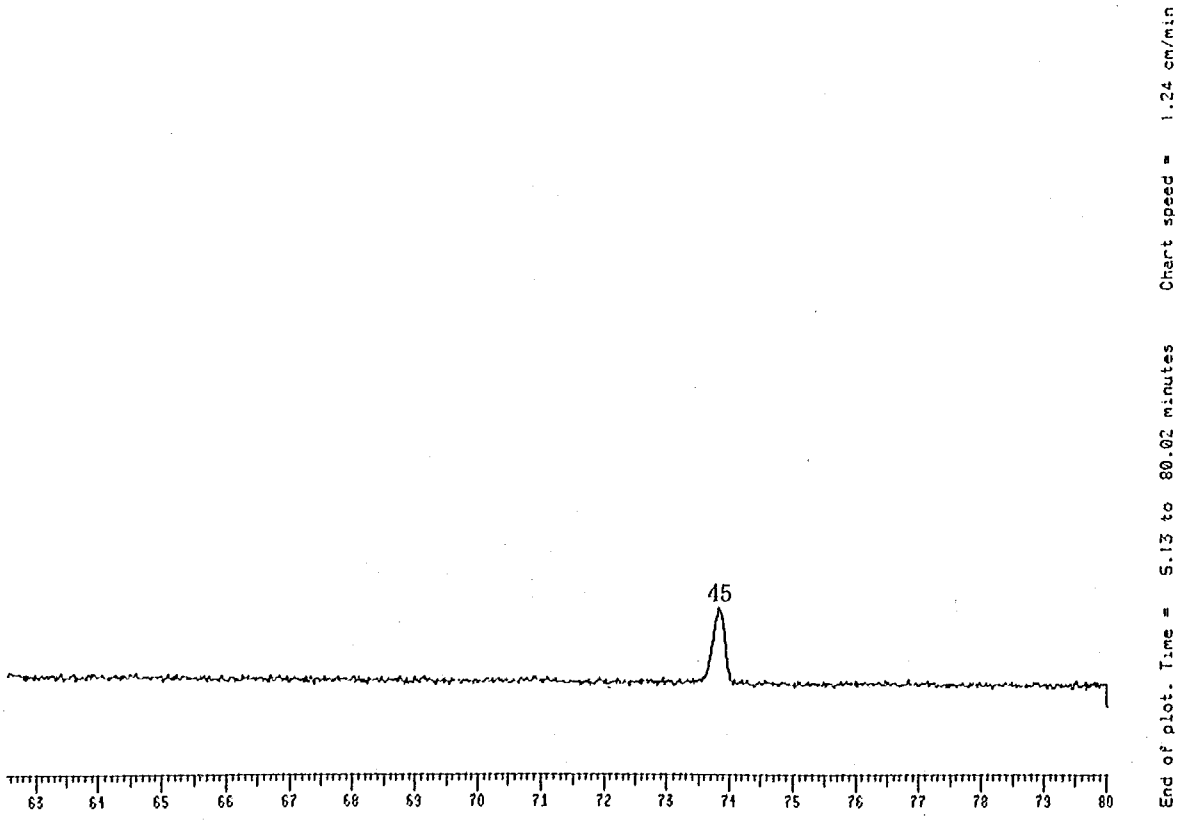
J 処理場　二次処理水　中性分画

J39001N

No	Name
1	3-Penten-2-one, 4-methyl-
2	unknown
3	unknown
4	Benzoic acid, methyl ester
5	unknown
6	unknown
7	unknown
8	1H-Indene, 1-methylene-
9	unknown
10	Benzothiazole
11	Ethanone, 1-(3,4-dimethylphenyl)-
12	unknown
13	unknown
14	unknown
15	unknown
16	unknown
17	unknown
18	unknown
19	4-Pyridinemethanol, acetate (ester)
20	unknown
21	unknown
22	Bicyclo[3.1.0]hexan-2-one, 1,5-bis(1,1-dimethylethyl) -3,3-dimethyl-
23	1-Propanol, 2-(2-hydroxypropoxy)-
24	unknown
25	unknown
26	unknown
27	unknown
28	Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl -1,3-propanediyl ester
29	Benzothiazole, 2-(methylthio)-
30	Ethyl citrate
31	unknown
32	Ethanol, 2-chloro-, phosphate
33	unknown
34	unknown
35	unknown
36	unknown
37	unknown
38	Ethanone, 2,2-dimethoxy-1,2-diphenyl-
39	1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester
40	unknown
41	unknown
42	Benzyl butyl phthalate
43	unknown
44	unknown
45	Bis(2-ethylhexyl) phthalate

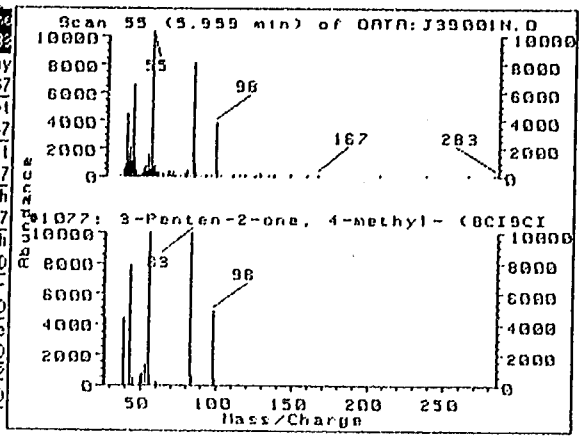

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63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
End of plot. Time = 5.13 to 80.02 minutes Chart speed = 1.24 cm/min

1

3-Penten-2-one, 4-me	
00141-79-7	83
2-Pentanone, 3-methy	
04359-77-7	67
2-Pentene, 3,4-dimet	
04914-91-4	67
2-Pentene, 3,4-dimet	
04914-92-5	67
1H-Pyrazole, 4,5-dih	
28019-94-5	67
1H-Pyrazole, 4,5-dih	
05775-56-2	60
Cyclohexane, methyl-	
00108-87-2	60
4-Penten-2-one, 4-me	
03744-02-3	60
Furan, 2,5-dihydro-2	
59242-27-2	60



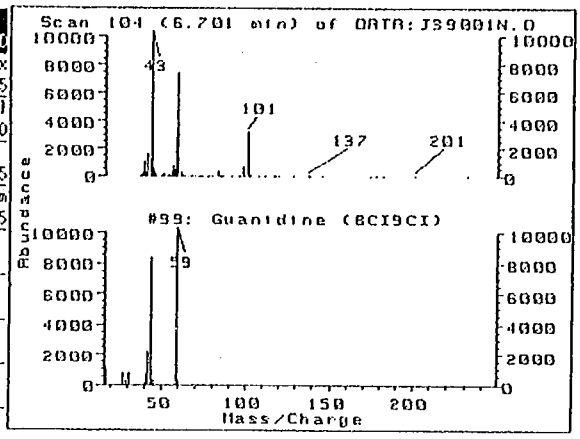
Entry# = 1077 CAS Num = 00141-79-7
Company ID Num = NBS 9/85
Mol.Height = 98.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Penten-2-one, 4-methyl- (8CI9CI)

Mol. Formula =
C6H10O

Misc. Info. =
Pesticides;

2

Guanidine (8CI9CI)	
00113-00-8	30
2-Butanone, 3-hydrox	
00115-22-0	25
Morpholine, 4-methyl	
00109-02-4	20
Butane (8CI9CI)	
00106-97-8	15
Methanamine, N,N-dim	
00075-50-3	15



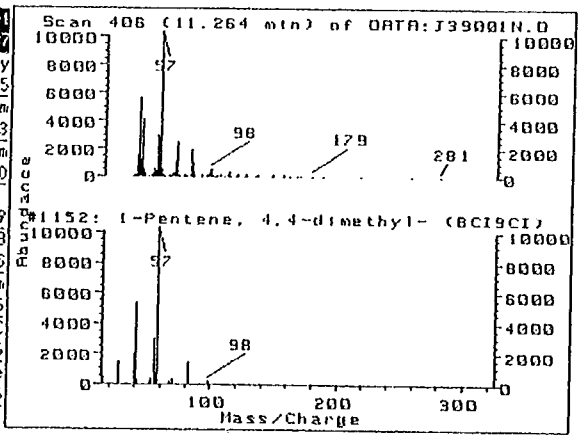
Entry# = 99 CAS Num = 00113-00-8
Company ID Num = NBS 9/85
Mol.Height = 59.048 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Guanidine (8CI9CI)

Mol. Formula =
CH5N3

Misc. Info. =

3

1-Pentene, 4,4-dimet	
00762-62-9	37
Methanamine, N-hepty	
06878-71-1	35
Butane, 1-chloro-2-m	
00616-13-7	33
Diazene, bis(1,1-dim	
00927-83-3	30
1-Hexene, 4-methyl-	
03769-23-1	29
Heptane, 2-bromo- (8	
01974-04-5	26
1-Hexene, 3,3,5-trim	
13427-43-5	25
Butane, 2-bromo- (8C	
00078-76-2	25
6-Hepten-3-one, 4-me	
26118-97-8	25



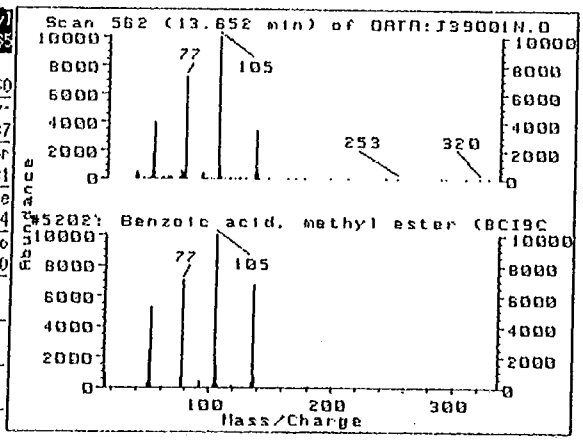
Entry# = 1152 CAS Num = 00762-62-9
Company ID Num = NBS 9/85
Mol.Height = 98.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Pentene, 4,4-dimethyl- (8CI9CI)

Mol. Formula =
C7H14

Misc. Info. =

4

Benzoic acid, methyl	
00093-58-3	65
Benzeneacetic acid,	
01603-79-8	60
Ethanone, 2-hydroxy-	
00582-24-1	37
1-Propanone, 3-chlor	
00936-59-4	31
Benzeneethanol, 4-me	
00699-02-5	24
Benzenamine, N-hydro	
00135-20-6	20



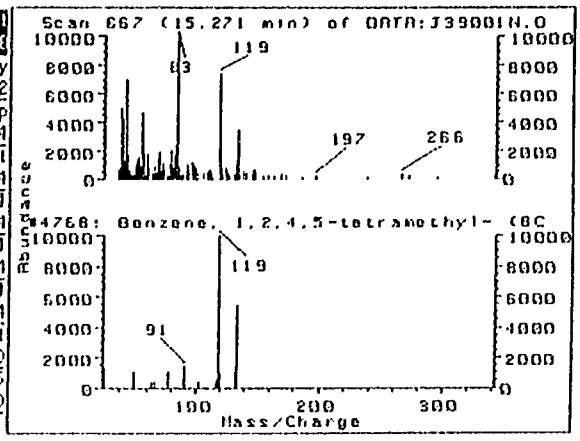
Entry# = 5202 CAS Num = 00093-58-3
Company ID Num = NBS 9/85
Mol.Height = 136.052 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzoic acid, methyl ester (8CI9CI)

Mol. Formula =
C8H8O2

Misc. Info. =

5

Benzene, 1,2,4,5-tet	
00095-93-2	38
Ethanone, 1-(2-methy	
00577-16-2	32
Ethanone, 1-(methylp	
20444-19-9	24
Benzene, 1,2,3,5-tet	
00527-53-7	24
Benzene, 1,4-diethyl	
00105-05-5	24
Benzene, 1,3-diethyl	
00141-93-5	24
Benzene, 1,2-diethyl	
00135-01-3	24
Benzene, 1,2,3,4-tet	
00488-23-3	20
Benzene, 1-ethyl-3,5	
00934-74-7	20



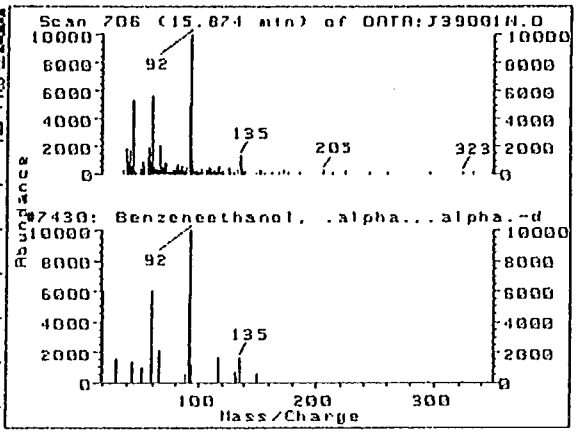
Entry# = 4768 CAS Num = 00095-93-2
Company ID Num = NBS 9/85
Mol.Weight = 134.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, 1,2,4,5-tetramethyl- (8CI9CI)

Mol. Formula =
C10H14

Misc. Info. =

6

Benzeneethanol, .alp	
00100-86-7	60
Benzene, (3-octylund	
05637-96-7	28
Bicyclo[3.1.0]hexan-	
00471-16-9	24



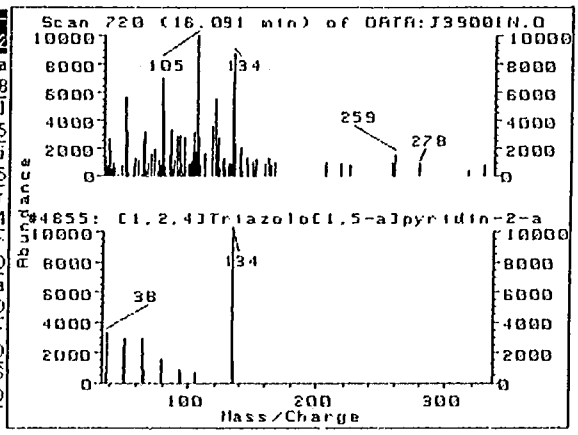
Entry# = 7430 CAS Num = 00100-86-7
Company ID Num = NBS 9/85
Mol.Weight = 150.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzeneethanol, .alpha.,.alpha.-dimethyl- (9CI)

Mol. Formula =
C10H14O

Misc. Info. =

7

[1,2,4]Triazolo[1,5-	
00874-46-4	62
1,2,4-Triazolo[4,3-a	
00767-62-4	28
1,4-Benzodioxin (8CI	
00255-37-8	25
3-Pyridinecarbonitri	
00768-45-6	25
s-Triazolo[4,3-a]pyr	
23126-45-6	24
Benzene, (1-methylpr	
00135-98-8	20
1,4-Benzenedicarboxa	
00623-27-8	20
Benzene, 1-methyl-4-	
01074-55-1	20
Bicyclo[3.2.2]nona-6	
26788-91-0	20



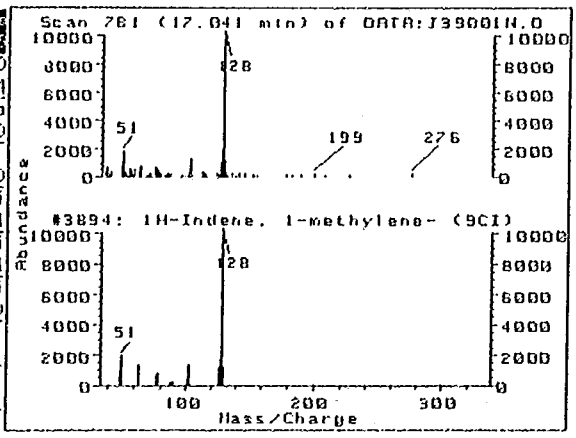
Entry# = 4855 CAS Num = 00874-46-4
Company ID Num = NBS 9/85
Mol.Weight = 134.059 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
[1,2,4]Triazolo[1,5-a]pyridin-2-amine (9CI)

Mol. Formula =
C6H6N4

Misc. Info. =
Alkaloids;

8

1H-Indene, 1-methyla	
02471-84-3	76
Naphthalene (8CI)(DO	
00091-20-3	74
Bicyclo[4.4.1]undeca	
36628-60-5	70
Azulene (8CI9CI)	
00275-51-4	60
1,2-Benzenedicarboni	
00091-15-6	31
1,4-Benzenedicarboni	
00623-26-7	31
1,3-Benzenedicarboni	
00626-17-5	30



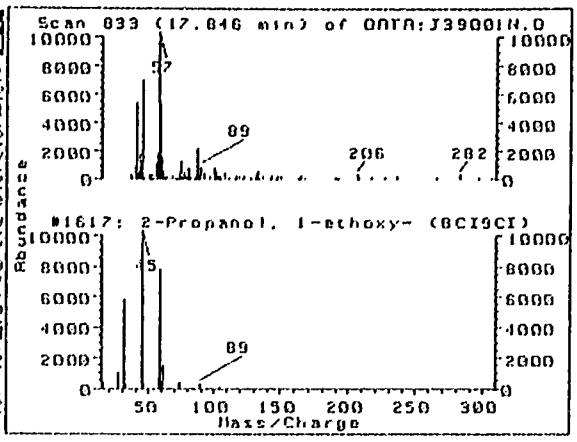
Entry# = 3894 CAS Num = 02471-84-3
Company ID Num = NBS 9/85
Mol.Weight = 128.062 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1H-Indene, 1-methylene- (9CI)

Mol. Formula =
C10H8

Misc. Info. =

9

2-Propanol, 1-ethoxy	
01569-02-4	31
Ethanol, 1-methoxy-,	
04382-77-8	25
2-Butanol, 3,3-dimet	
00464-07-3	25
2-Butanone, 3-ethoxy	
36687-99-7	25
Ethanol, 2-(1,1-dime	
07580-65-0	20
Butane, 1-(2-methoxy	
13343-98-1	20
Ethanol, 2-butoxy- (	
00111-76-2	20
Butanoic acid, 3,3-d	
01070-83-3	15
Pentane, 2-methoxy-	
06795-88-6	15



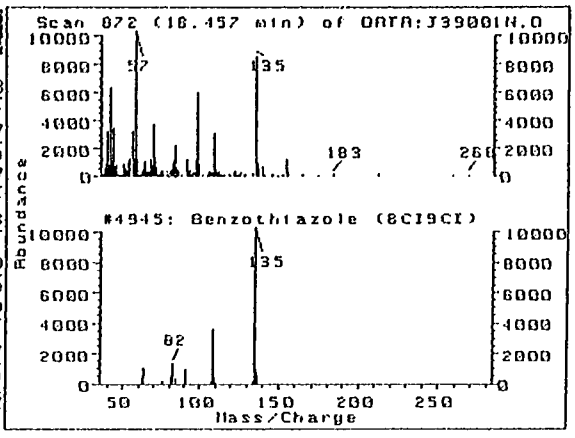
Entry# = 1617 CAS Num = 01569-02-4
Company ID Num = NBS 9/85
Mol.Weight = 104.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1-ethoxy- (8CI9CI)

Mol. Formula =
C5H12O2

Misc. Info. =
Carbohydrates;

10

Benzothiazole (8CI9C	
00095-16-9	90
1,2-Benzisothiazole	
00272-16-2	88
1,2-Benzisothiazole-	
40991-34-2	47
Thieno[2,3-c]pyridin	
00272-12-8	47
1H-Indole, 5-fluoro-	
00399-52-0	33
Benzeneacetonitrile,	
00459-22-3	30
Thiocyanic acid, phe	
05285-87-0	30
Benzeneacetonitrile,	
00501-00-8	27
Benzaldehyde, 3-meth	
41977-54-2	26



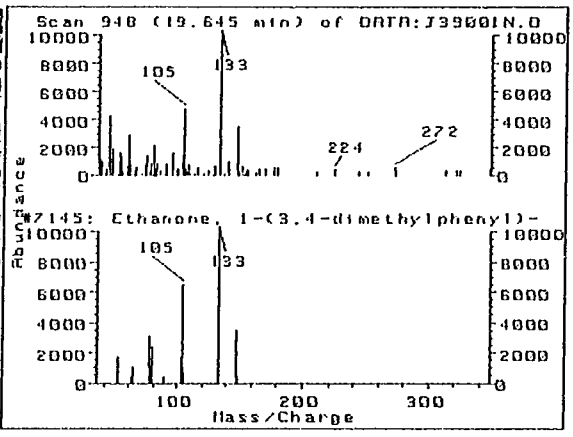
Entry# = 4945 CAS Num = 00095-16-9
Company ID Num = NBS 9/85
Mol.Weight = 135.014 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole (8CI9CI)

Mol. Formula =
C7H5NS

Misc. Info. =

11

Ethanone, 1-(3,4-dim	
03637-01-2	47
Benzene, (1,1-dimeth	
27138-21-2	34
Ethanone, 1-(4-ethyl	
00937-30-4	34
Benzene, 1-(1,1-dime	
01075-38-3	30
Benzene, 1-ethyl-4-(	
04218-48-8	30
Benzene, 1,3-dimethy	
04706-90-5	30
Benzene, 1,4-dimethy	
04132-72-3	30
Benzene, ethyl-1,2,4	
54120-62-6	30
Benzene, 1-(1,1-dime	
00098-51-1	27



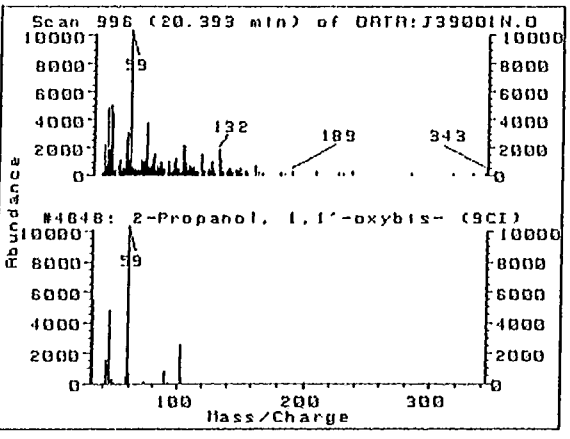
Entry# = 7145 CAS Num = 03637-01-2
Company ID Num = NBS 9/85
Mol.Weight = 148.088 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 1-(3,4-dimethylphenyl)- (9CI)

Mol. Formula =
C10H12O

Misc. Info. =

12

2-Propanol, 1,1'-oxy	
00110-98-5	43
Ethane, 1,2-diethoxy	
00629-14-1	42
2-Propanol, 1,1'-((1	
01638-16-0	33
2-Butanol, 1-methoxy	
53778-73-7	30
2-Propanol, 1-[2-(2-	
20324-33-8	25
Butanamide (9CI)	
00541-35-5	24
Propanoic acid, 2-hy	
00594-61-6	24
Butanoic acid, 3,3-d	
01070-83-3	20
Hydrazine, 1-butyl-1	
20240-62-4	20



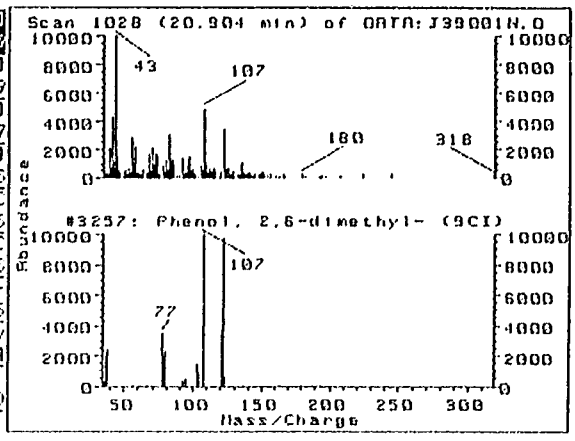
Entry# = 4848 CAS Num = 00110-98-5
Company ID Num = NBS 9/85
Mol.Weight = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2-Propanol, 1,1'-oxybis- (9CI)

Mol. Formula =
C6H14O3

Misc. Info. =
Carbohydrates;

13

Phenol, 2,6-dimethyl	
00576-26-1	39
Phenol, 3,5-dimethyl	
00108-68-9	39
Phenol, 2,5-dimethyl	
00095-87-4	37
Phenol, 2,3-dimethyl	
00526-75-0	36
Phenol, 3-ethyl- (9C	
00620-17-7	36
Phenol, 2-ethyl- (9C	
00090-00-6	26
Boranamine, 1-ethyl-	
39767-40-3	25
Benzenamine, 3-methy	
00108-44-1	24
Benzeneacetic acid,	
54815-39-5	20



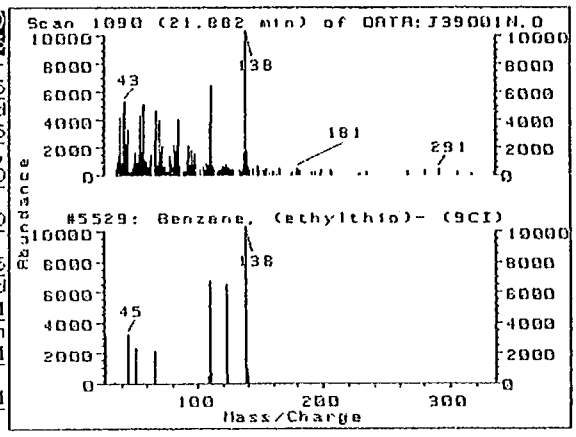
Entry# = 3257 CAS Num = 00576-26-1
Company ID Num = NBS 9/85
Mol.Weight = 122.072 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Phenol, 2,6-dimethyl- (9CI)

Mol. Formula =
C8H10O

Misc. Info. =

14

Benzene, (ethylthio)	
00622-38-8	35
2-Propenoic acid, 3-	
00539-47-9	25
Naphthalene, decahyd	
00091-17-8	25
2-Propenamide, 3-(3,	
35663-85-5	20
4(3H)-Pyrimidinone,	
32363-51-2	20
Thiophene, ethenyl-	
30917-44-3	15
3-Pyridinecarboxamid	
01986-81-8	11
Bicyclo[2.2.1]heptan	
54345-87-8	11
m-Nitroaniline	
00099-09-2	11



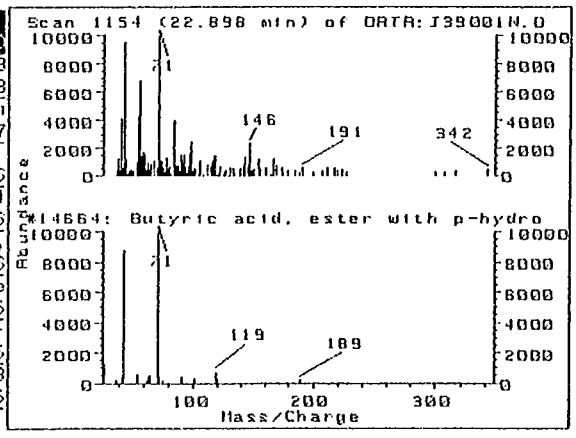
Entry# = 5529 CAS Num = 00622-38-8
Company ID Num = NBS 9/85
Mol.Weight = 138.050 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, (ethylthio)- (9CI)

Mol. Formula =
C8H10S

Misc. Info. =

15

Butyric acid, ester	
29052-10-6	30
Pentane, 1-bromo- (8	
00110-53-2	28
Butanoic acid, ethen	
00123-20-6	27
2-Furanmethanamine,	
04795-29-3	26
4,5-Octanedione (8CI	
05455-24-3	26
Butyric acid, thio-,	
02432-53-3	26
Propanoic acid, 2-me	
54340-93-1	25
2-Hexene, 1-methoxy-	
56052-83-6	25
Pentane, 3-bromo- (8	
01809-10-5	25



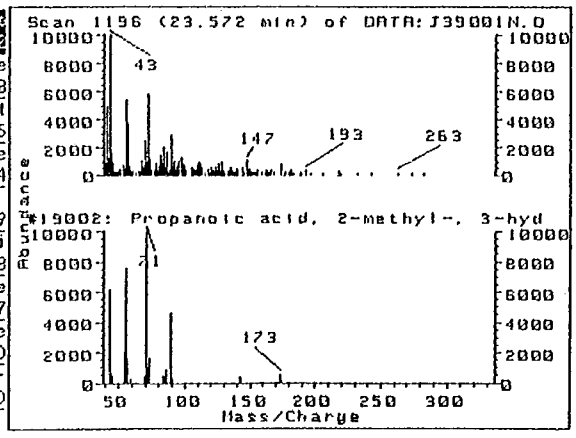
Entry# = 14664 CAS Num = 29052-10-6
Company ID Num = NBS 9/85
Mol.Weight = 189.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Butyric acid, ester with p-hydroxybenzonitrile (8CI
)

Mol. Formula =
C11H11NO2

Misc. Info. =

16

Propanoic acid, 2-me	
74367-34-3	52
Propanoic acid, 2-me	
00097-85-8	38
Decane, 2,6,8-trimet	
62108-26-3	35
Methylamine, N-(1-me	
22058-71-5	34
Ethane, isocyanato-	
00109-90-0	29
Ethanamine, N-butyli	
01611-12-7	28
Propanoic acid, 2-me	
74367-33-2	27
Propanoic acid, 2-me	
00097-87-0	20
Azetidine, 1-methyl-	
04923-79-9	20



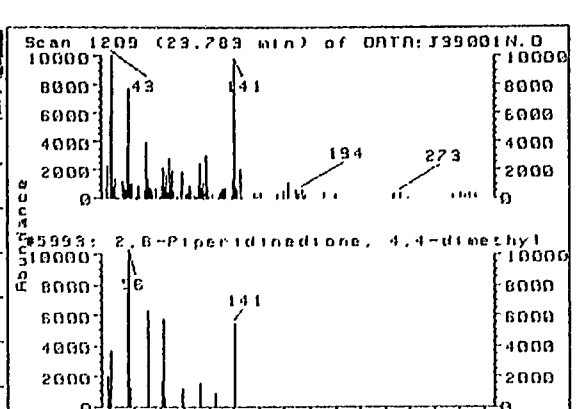
Entry# = 19002 CAS Num = 74367-34-3
Company ID Num = NBS 9/85
Mol.Weight = 216.171 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 3-hydroxy-2,4,4-trimethy
lpentyl ester (9CI)

Mol. Formula =
C12H24O3

Misc. Info. =

17

2,6-Piperidinedione,	
01123-40-6	20
2-Propanethione, 1-(	
54031-27-5	11



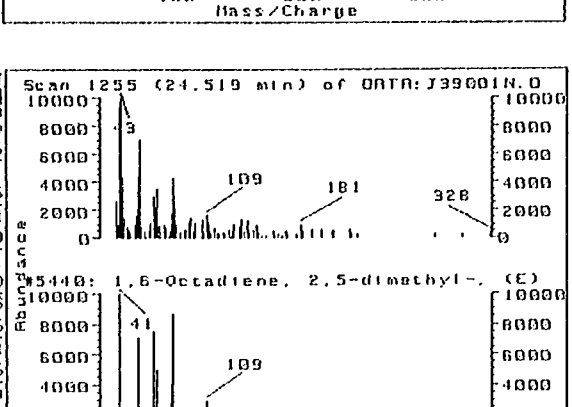
Entry# = 5993 CAS Num = 01123-40-6
Company ID Num = NBS 9/85
Mol.Weight = 141.078 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2,6-Piperidinedione, 4,4-dimethyl- (9CI)

Mol. Formula =
C7H11NO2

Misc. Info. =
Alkaloids; Drugs;

18

1,6-Octadiene, 2,5-d	
68702-25-0	35
1H-Imidazole, 2-prop	
50995-95-4	35
2H-1,3-Benzoxazine,	
35183-44-9	35
7-Octen-2-one, 6-met	
35215-49-7	30
1,3,5-Triazine, 1,3,	
06281-14-7	30
Cyclohexanone, 2,2,6	
02408-37-9	25
Cyclopentanol, 2-met	
40991-93-3	25
1H-Imidazole, 2-meth	
00693-98-1	25
1H-Pyrazole, 3-methy	
01453-58-3	25



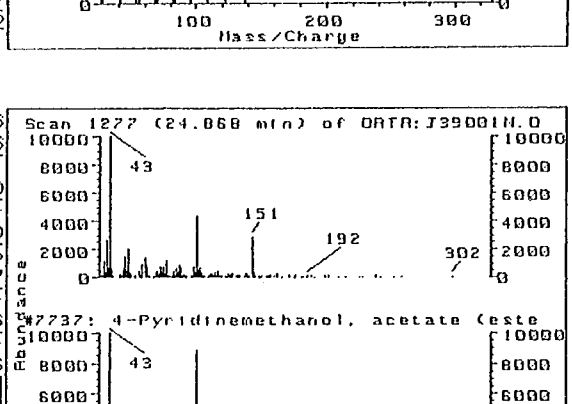
Entry# = 5440 CAS Num = 68702-25-0
Company ID Num = NBS 9/85
Mol.Weight = 138.140 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,6-Octadiene, 2,5-dimethyl-, (E)- (9CI)

Mol. Formula =
C10H18

Misc. Info. =

19

2-Propenal, 3-(2,2,6	
55759-91-6	36
Pyridine, 3-butyl-,	
31396-33-5	30
Acetamide, N-(3-hydr	
00621-42-1	30
Benzenamine, 4-propo	
04469-80-1	27
Acetamide, N-(4-hydr	
00103-90-2	26
Acetamide, N-(2-hydr	
00614-80-2	26
4-Pyridinemethanol,	
01007-48-3	26
3-Pyridinol, 4-methy	
01006-96-8	25
Benzenemethanamine,	
00100-82-3	20



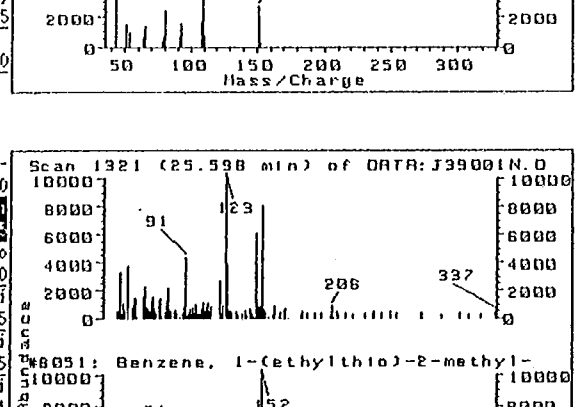
Entry# = 7737 CAS Num = 01007-48-3
Company ID Num = NBS 9/85
Mol.Weight = 151.063 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
4-Pyridinemethanol, acetate (ester) (8CI9CI)

Mol. Formula =
C8H9NO2

Misc. Info. =
Alkaloids;

20

3,4-Heptadiene, 3,5-	
61228-07-7	30
Benzene, 1-(ethylthi	
03695-36-1	25
Benzene, (propylthio	
00874-79-3	20
Benzene, 1-(ethylthi	
34786-24-8	15
Benzene, 1-(ethylthi	
00622-63-9	15
Benzoic acid, 3,5-di	
00535-87-5	11



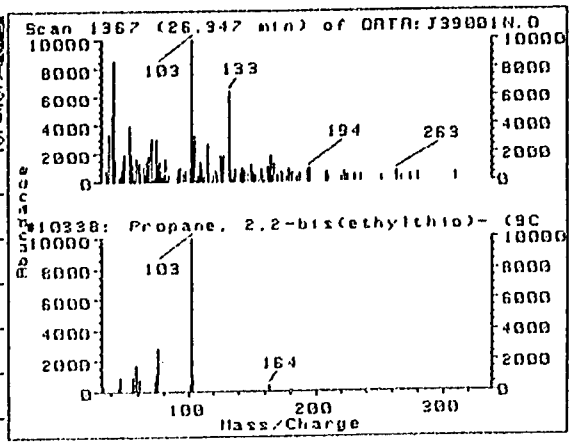
Entry# = 8051 CAS Num = 03695-36-1
Company ID Num = NBS 9/85
Mol.Weight = 152.065 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzene, 1-(ethylthio)-2-methyl- (9CI)

Mol. Formula =
C9H12S

Misc. Info. =

21

Propane, 2,2-bis(eth	
14252-45-0	25
Benzene, isocyano- (	
00931-54-4	25
Cyclopentane, 1,1-di	
31038-06-9	25



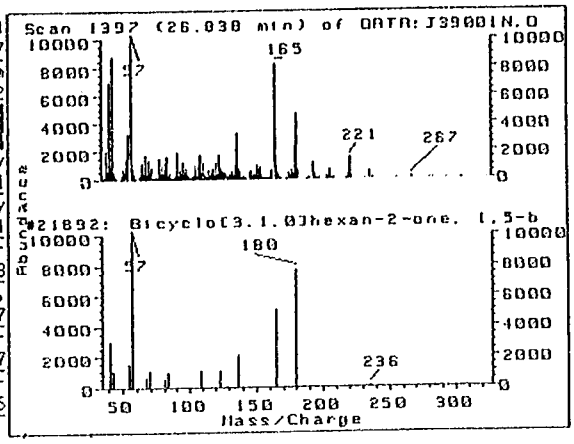
Entry# = 10338 CAS Num = 14252-45-0
Company ID Num = NBS 9/85
Mol.Height = 164.069 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propane, 2,2-bis(ethylthio)- (9CI)

Mol. Formula =
C7H16S2

Misc. Info. =

22

Ethanol, 2-[4-(1-met	
54576-35-1	47
Thiazolo[5,4-d]pyrim	
19835-21-3	42
Bicyclo[3.1.0]hexan-	
19377-95-8	40
9H-Fluorene, 9-methy	
02523-37-7	31
Phenol, (1,1-dimethy	
25013-16-5	31
Silane, trimethyl(4-	
17902-32-8	28
2-Propen-1-ol, 3-(2,	
04808-01-9	27
Silane, trimethyl(2-	
01009-02-5	27
Benzamide, 3-ethoxy-	
55836-69-6	25



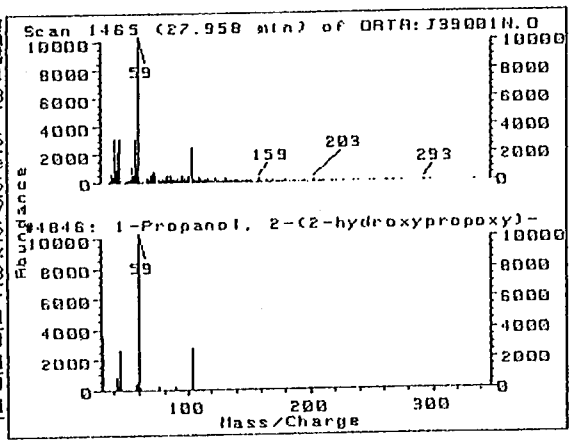
Entry# = 21892 CAS Num = 19377-95-8
Company ID Num = NBS 9/85
Mol.Height = 236.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bicyclo[3.1.0]hexan-2-one, 1,5-bis(1,1-dimethylethy
l)-3,3-dimethyl- (9CI)

Mol. Formula =
C16H28O

Misc. Info. =

23

1-Propanol, 2-(2-hyd	
00108-62-7	58
2-Propanol, 1-(1-met	
55956-25-7	58
Pentanamide (9CI)	
00626-97-1	35
2-Pentanol, 2,4-dime	
00625-06-9	35
Silane, hexyl- (8CI9	
01072-14-6	35
1-Propanol, 2-methox	
01589-47-5	33
2-Hexanol, 2-methyl-	
00625-23-0	31
2-Propanol, 2-methyl	
00075-65-0	31
Butanamide, 3-methyl	
00541-46-8	31



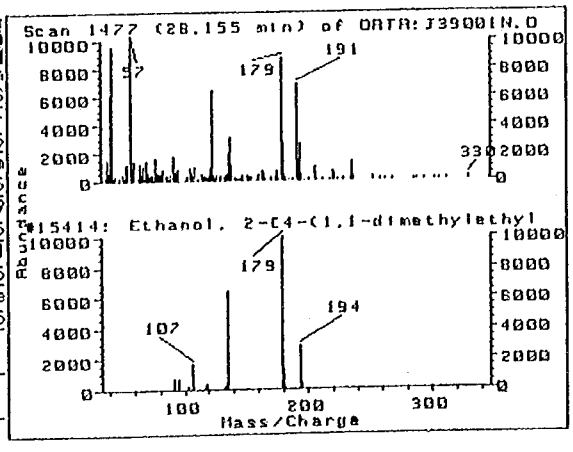
Entry# = 4846 CAS Num = 00108-62-7
Company ID Num = NBS 9/85
Mol.Height = 134.093 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1-Propanol, 2-(2-hydroxypropoxy)- (8CI9CI)

Mol. Formula =
C6H14O3

Misc. Info. =

24

Ethanol, 2-[4-(1,1-d	
00713-46-2	27
9H-Fluorene, 9,9-dim	
04569-45-3	26
1,3-Dioxolane, 2-(4-	
02403-50-1	25
9H-Fluorene, 1,9-dim	
17057-98-6	25
Phenanthridine (8CI9	
00229-87-8	25
9H-Fluorene, 9-butyl	
42348-92-5	25
4,7(1H,8H)-Pteridine	
00529-69-1	15



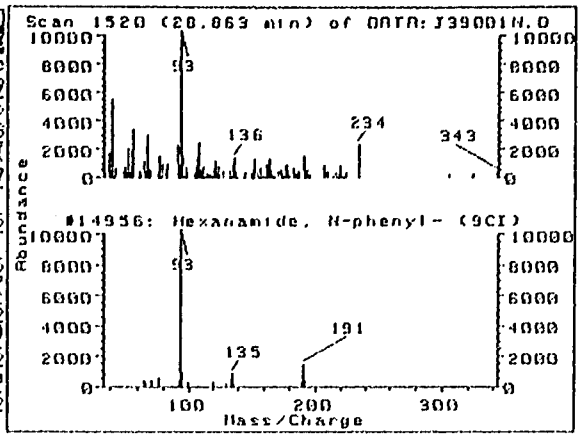
Entry# = 15414 CAS Num = 00713-46-2
Company ID Num = NBS 9/85
Mol.Height = 194.130 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-[4-(1,1-dimethylethyl)phenoxy]- (9CI)

Mol. Formula =
C12H18O2

Misc. Info. =

25

Hexanamide, N-phenyl	
00621-15-8	38
2-Pyridineethanamine	
02706-56-1	29
Ethanone, 1-cyclopro	
06560-95-6	26
Pyridine, 2-decyl- (	
74421-02-6	27
Pyridine, 2-pentyl-	
02294-76-0	25
.beta.-Pinene	
00127-91-3	25
Pyridine, 2-butyl- (	
05058-19-5	25
4-Carene, (1S,3S,6R)	
05208-50-4	25
2,6,9,11-Dodecatetra	
04955-32-2	25



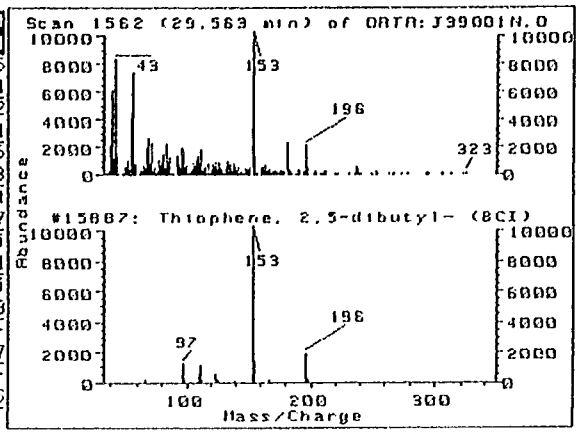
Entry# = 14956 CAS Num = 00621-15-8
Company ID Num = NBS 9/85
Mol.Weight = 191.130 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Hexanamide, N-phenyl- (9CI)

Mol. Formula =
C12H17NO

Misc. Info. =

26

Thiophene, 2,5-dibut	
06911-45-1	71
Thiophene, 2-butyl-5	
54845-35-1	71
Thiophene, 2,5-bis(2	
54845-33-9	51
1-Butanone, 1-(2,4,5	
01421-63-2	43
Pyridine, 4-(propyl t	
26891-61-2	37
1-Naphthalenecarboni	
00066-53-3	31
2-Naphthalenecarboni	
00613-46-7	28
Benzene, 1-fluoro-4-	
01544-68-9	27
Benzene, 1-fluoro-3-	
00404-72-8	26



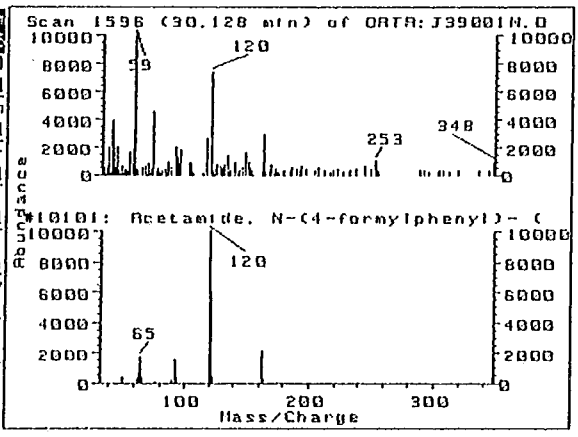
Entry# = 15887 CAS Num = 06911-45-1
Company ID Num = NBS 9/85
Mol.Weight = 196.128 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Thiophene, 2,5-dibutyl- (8CI)

Mol. Formula =
C12H20S

Misc. Info. =

27

Acetamide, N-(4-form	
00122-85-0	15
5-Hexyn-3-ol (8CI,9C)	
19780-84-8	11
Silane, butyltrimeth	
01000-49-3	11
Butane, 2-methoxy-3-	
62016-49-3	11
Pentane, 2-methoxy-	
06795-88-6	11
Guanidine (8CI,9CI)	
00113-00-8	11
Benzofuran, 2,3-dihy	
00496-16-2	11
Propane, 1-ethoxy-2-	
00627-02-1	11
Butanamide (9CI)	
00541-35-5	11



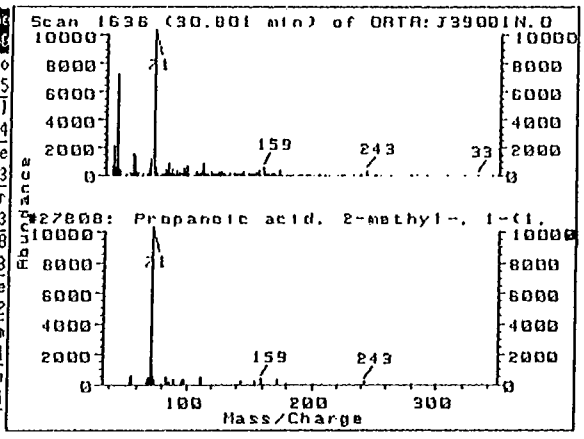
Entry# = 10101 CAS Num = 00122-85-0
Company ID Num = NBS 9/85
Mol.Weight = 163.063 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Acetamide, N-(4-formylphenyl)- (9CI)

Mol. Formula =
C9H9NO2

Misc. Info. =

28

Propanoic acid, 2-me	
74381-40-1	60
Butanoic acid, 2-pro	
02051-78-7	45
4,5-Octanedione (8CI	
05455-24-3	44
Methylamine, N-(1-me	
22058-71-5	43
Butyric acid, m-nitr	
14617-97-1	43
Pentane, 3-bromo- (8	
01809-10-5	43
Heptane, 3,3,4-trime	
20278-87-9	42
1-Hexene, 3,4,5-trim	
56728-10-0	11
Furan, 2-butyltetrah	
01004-29-1	11



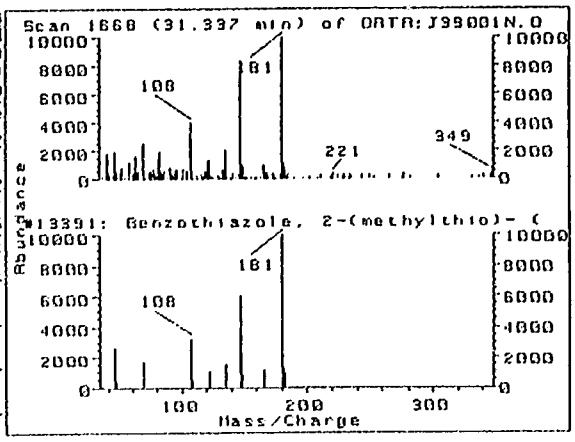
Entry# = 27808 CAS Num = 74381-40-1
Company ID Num = NBS 9/85
Mol.Weight = 286.213 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl ester (9CI)

Mol. Formula =
C16H30O4

Misc. Info. =

29

Benzothiazole, 2-(me	
00615-22-5	9(
9H-Carbazole, 9-meth	
01484-12-4	20
Carbamic acid, (3-me	
51422-77-6	15
1H-Purin-2-amine, 6-	
01198-47-6	15
1,3-Cyclopentadiene-	
14374-52-8	15
2(3H)-Benzothiazolet	
02254-94-6	11



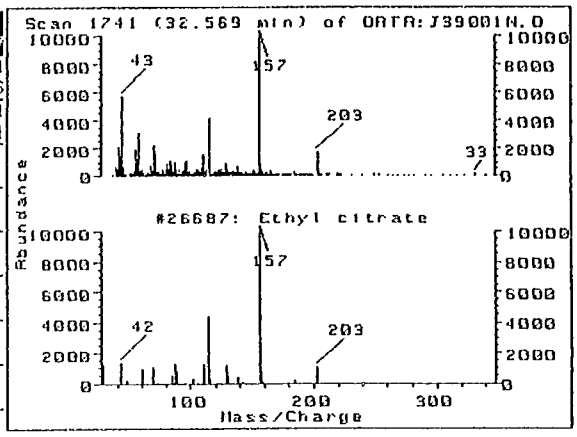
Entry# = 13391 CAS Num = 00615-22-5
Company ID Num = NBS 9/85
Mol.Weight = 181.001 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzothiazole, 2-(methylthio)- (8C19C1)

Mol. Formula =
C8H7NS2

Misc. Info. =

30

Ethyl citrate	
00077-93-0	67
Quinoline, 2,4-dimet	
01198-37-4	26
Butanedioic acid, et	
00627-73-6	11



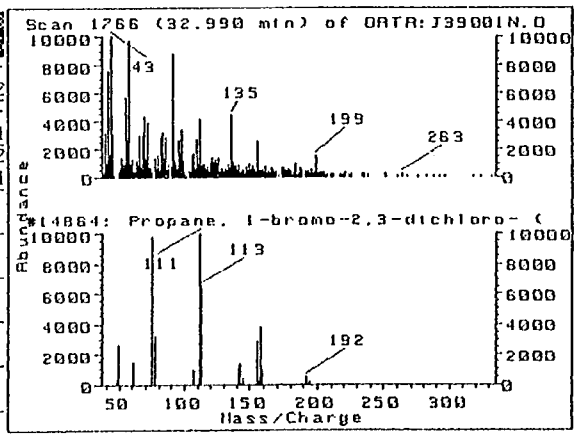
Entry# = 26687 CAS Num = 00077-93-0
Company ID Num = NBS 9/85
Mol.Weight = 276.120 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethyl citrate

Mol. Formula =
C12H2007

Misc. Info. =

31

Propane, 1-bromo-2,3	
33037-07-9	13
3-Penten-2-one, 3,4-	
16983-60-1	12
Octadecane, 1-bromo-	
00112-89-0	11
Propane, 2-bromo-1,2	
17759-88-5	11



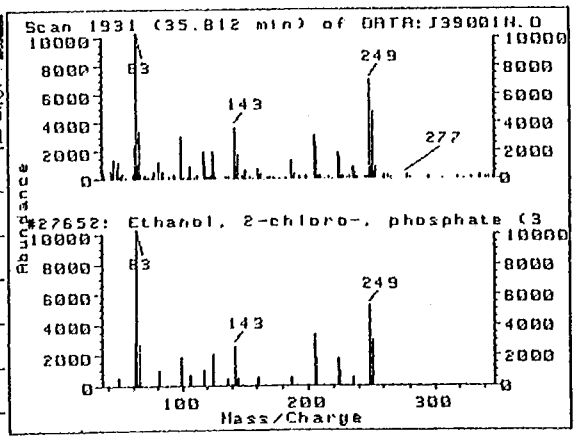
Entry# = 14864 CAS Num = 33037-07-9
Company ID Num = NBS 9/85
Mol.Weight = 189.894 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Propane, 1-bromo-2,3-dichloro- (8C19C1)

Mol. Formula =
C3H5BrCl2

Misc. Info. =

32

Ethanol, 2-chloro-,	
00115-96-8	63
Benzene, 1-[(2-chlor	
06461-63-8	15
Ethanedioyl dichlori	
00079-37-8	11



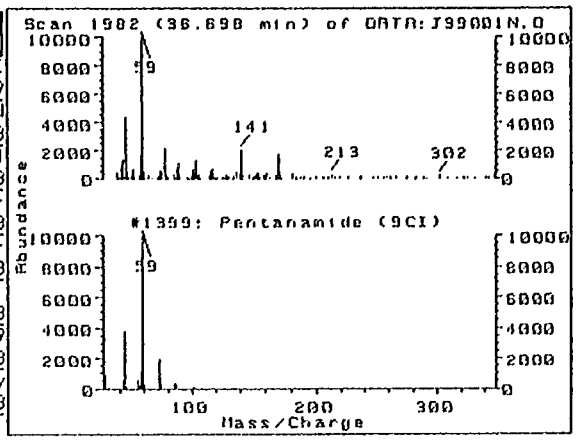
Entry# = 27652 CAS Num = 00115-96-8
Company ID Num = NBS 9/85
Mol.Weight = 283.953 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanol, 2-chloro-, phosphate (3:1) (8C19C1)

Mol. Formula =
C6H12Cl3O4P

Misc. Info. =

33

Pentanamide (9CI)	
00626-97-1	31
Ethane, 1,1'-oxybis[	
00111-96-6	29
2,5,8,11-Tetraoxadod	
00112-49-2	28
Butanamide, 3-methyl	
00541-46-8	28
Butane, 2-methoxy-3-	
62016-49-3	28
Formamide, N-formyl-	
18197-25-6	28
Pentane, 2-methoxy-	
06795-88-6	28
Silane, hexyl- (8CI)	
01072-14-6	28
Ethane, 1,2-diethoxy	
00629-14-1	28



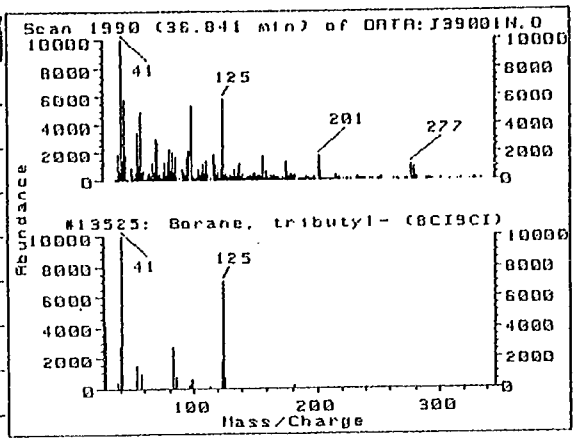
Entry# = 1399 CAS Num = 00626-97-1
Company ID Num = NBS 9/85
Mol.Weight = 101.083 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Pentanamide (9CI)

Mol. Formula =
C5H11NO

Misc. Info. =

34

Borane, tributyl- (8	
00122-56-5	11



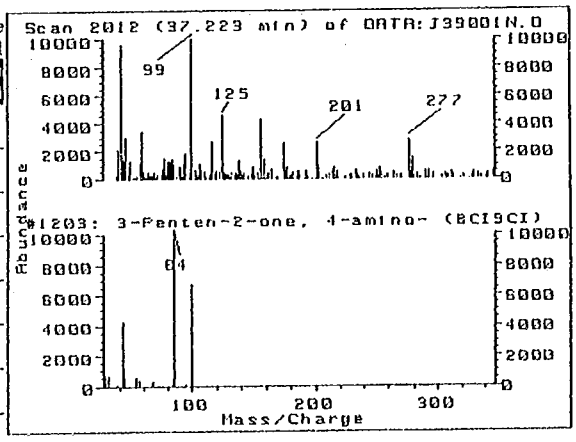
Entry# = 13525 CAS Num = 00122-56-5
Company ID Num = NBS 9/85
Mol.Weight = 182.219 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Borane, tributyl- (8CI9CI)

Mol. Formula =
C12H27B

Misc. Info. =

35

2,5-Pyrrolidinedione	
00123-56-8	11
3-Penten-2-one, 4-am	
01118-66-7	11



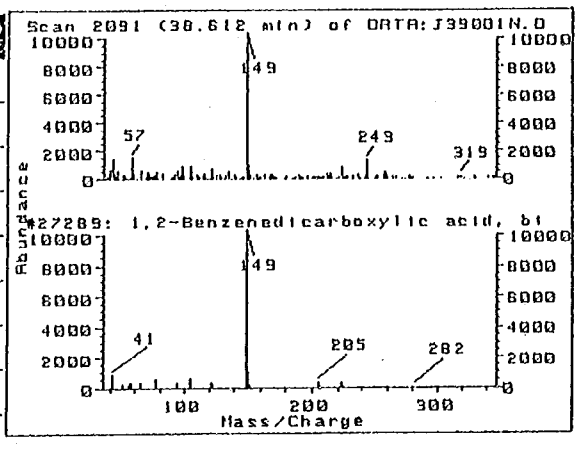
Entry# = 1203 CAS Num = 01118-66-7
Company ID Num = NBS 9/85
Mol.Weight = 99.068 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
3-Penten-2-one, 4-amino- (8CI9CI)

Mol. Formula =
C5H9NO

Misc. Info. =

36

1,2-Benzenedicarboxy	
00117-82-8	35



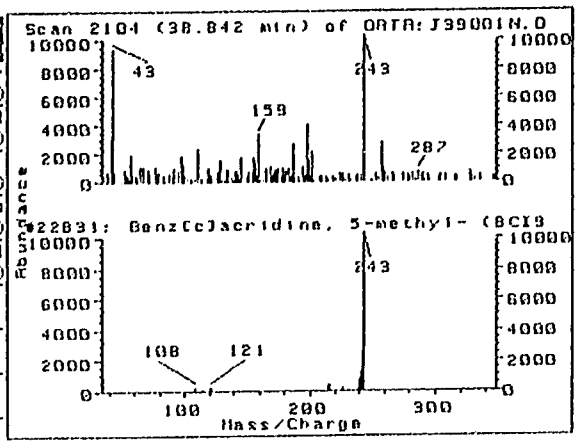
Entry# = 27289 CAS Num = 00117-82-8
Company ID Num = NBS 9/85
Mol.Weight = 282.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester (9CI)

Mol. Formula =
C14H18O6

Misc. Info. =
Carbohydrates;

37

Benz[c]acridine, 5-r
03519-87-7 20
Benz[a]acridine, 10-
03781-67-7 20
Benzene, 1,1',1''-et
05271-39-6 20
1-Pentanol, 5,5,5-tr
02294-95-3 20
9H-Carbazole, 9-phen
01150-62-5 20
Ether, cyclopentyl 1
01241-40-3 20



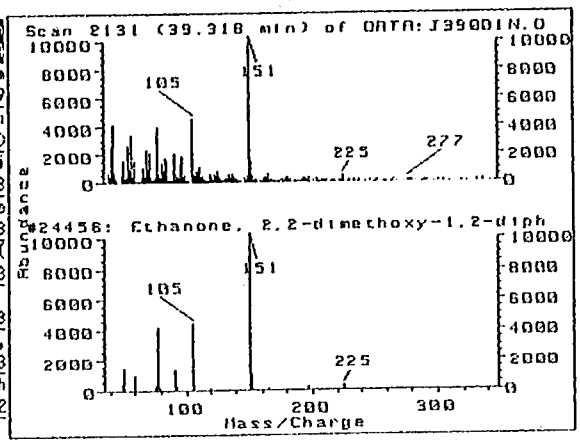
Entry# = 22831 CAS Num = 03519-87-7
Company ID Num = NBS 9/85
Mol.Weight = 243.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benz[c]acridine, 5-methyl- (8CI9CI)

Mol. Formula =
C18H13N

Misc. Info. =
Alkaloids;

38

Ethanone, 2,2-dimeth
24650-42-8 74
Thiazolo[5,4-d]pyrim
13316-06-8 59
Benzaldehyde, 4-meth
03235-04-9 50
2(3H)-Benzoxazolethi
02382-96-9 43
Pyridine, 2,3,5,6-te
02875-18-5 43
Benzeneethanol, 3-(
23501-93-1 43
Pyridine, 4-butyl-,
31396-34-6 43
4H-1,3,2-Dioxaborin,
74630-05-0 43
Benzaldehyde, 3-meth
38489-80-4 42



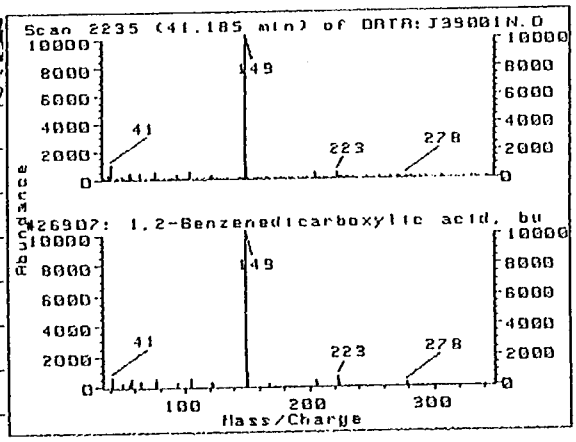
Entry# = 24456 CAS Num = 24650-42-8
Company ID Num = NBS 9/85
Mol.Weight = 256.109 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Ethanone, 2,2-dimethoxy-1,2-diphenyl- (9CI)

Mol. Formula =
C16H16O3

Misc. Info. =

39

1,2-Benzenedicarboxy
17851-53-5 94
1,2-Benzenedicarboxy
00117-82-8 87



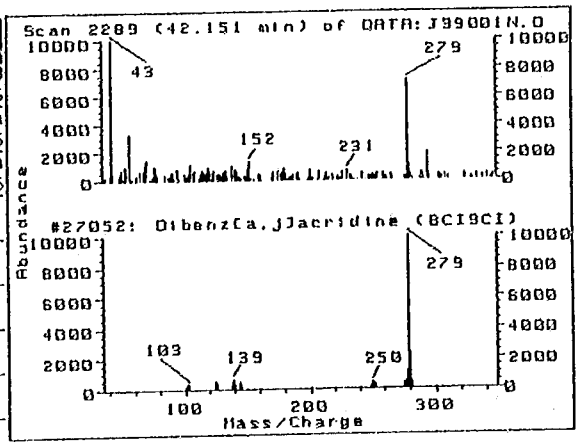
Entry# = 26907 CAS Num = 17851-53-5
Company ID Num = NBS 9/85
Mol.Weight = 278.151 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
1,2-Benzenedicarboxylic acid, butyl 2-methylpropyl ester (9CI)

Mol. Formula =
C16H22O4

Misc. Info. =

40

Dibenz[a,j]acridine
00224-42-0 25
1,3,5-Trioxa-2,4,6,8
19939-05-0 25
4H-1-Benzopyran-2-ca
30095-84-2 25
4H-1-Benzopyran-2-ca
05823-37-0 25



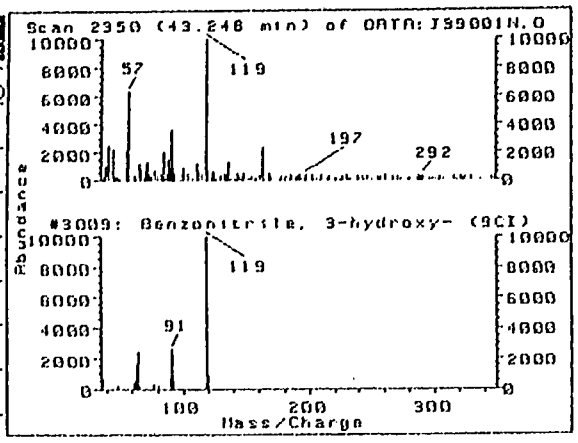
Entry# = 27052 CAS Num = 00224-42-0
Company ID Num = NBS 9/85
Mol.Weight = 279.104 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Dibenz[a,j]acridine (8CI9CI)

Mol. Formula =
C21H13N

Misc. Info. =
Alkaloids;

41

Benzonitrile, 3-hydr
00873-62-1 30
Benzonitrile, 4-hydr
00767-00-0 30



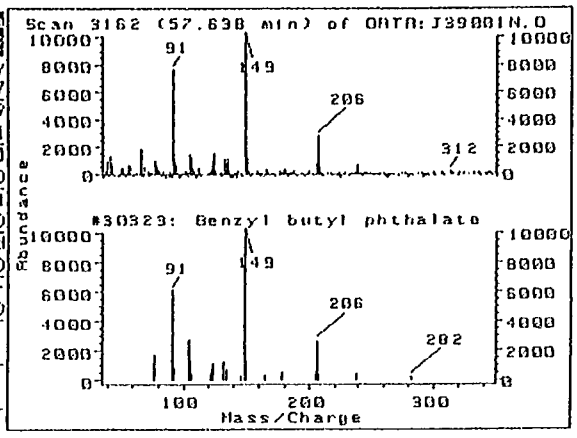
Entry# = 3009 CAS Num = 00873-62-1
Company ID Num = NBS 97/85
Mol.Weight = 119.037 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzonitrile, 3-hydroxy- (9CI)

Mol. Formula =
C7H5NO

Misc. Info. =

42

Benzyl butyl phthala
00085-68-7 52
1,2-Benzenedicarboxy
00085-69-8 37
Benzenebutanamine (9
13214-66-9 31
1H-s-Triazolo[1,5-a]
13980-64-8 30
Benzene, 1-isocyanat
18908-07-1 30
Carbamodithioic acid
10696-88-1 30
1H-Benzotriazole, 4-
27799-90-2 30



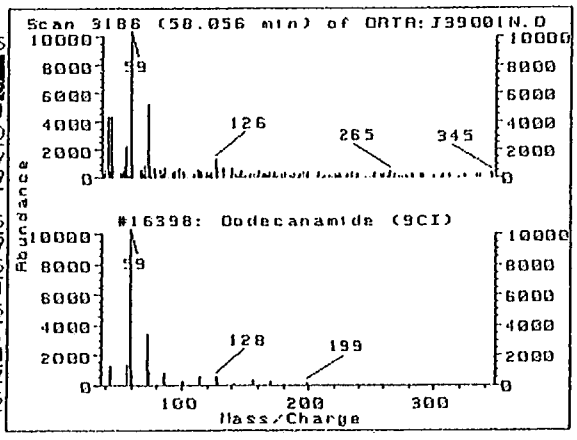
Entry# = 30323 CAS Num = 00085-68-7
Company ID Num = NBS 97/85
Mol.Weight = 312.135 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Benzyl butyl phthalate

Mol. Formula =
C19H2004

Misc. Info. =
Pesticides; Priority Pollutants;

43

Nonanamide (8CI9CI)
01120-07-6 45
Dodecanamide (9CI)
01120-16-7 38
Pentanal, oxime (9CI)
00628-79-5 30
Propanoic acid, 2-hy
02110-78-3 29
1-Propanamine (9CI)
00107-10-8 25
Silane, hexyl- (8CI9
01072-14-6 25
Oxirane, tetramethyl
05076-20-0 25
Ethanol, 1-methoxy-,
51835-44-0 24
9-Octadecenamide, (Z
00301-02-0 15



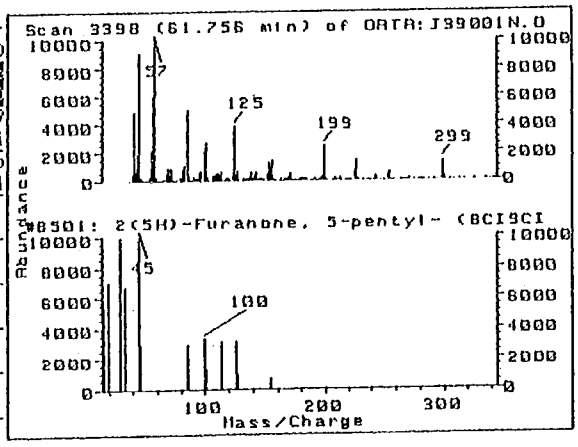
Entry# = 16398 CAS Num = 01120-16-7
Company ID Num = NBS 97/85
Mol.Weight = 199.193 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Dodecanamide (9CI)

Mol. Formula =
C12H25NO

Misc. Info. =
Fatty acids and Lipids;

44

Oxirane, 2-methyl-3-
06124-90-9 20
2(5H)-Furanone, 5-pe
21963-26-8 20
2-Tetradecanol (8CI9
04706-81-4 11
Butane, 1-(1-methylp
00999-65-5 11



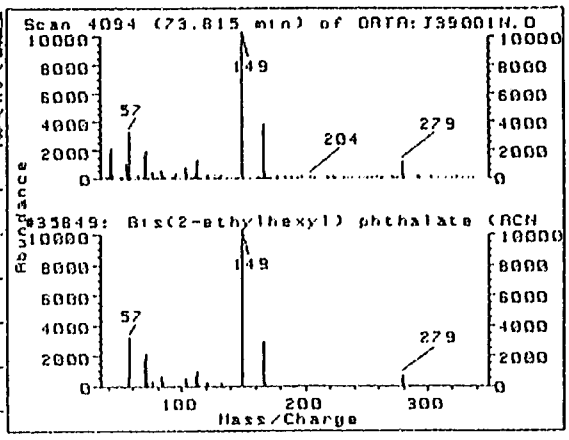
Entry# = 8501 CAS Num = 21963-26-8
Company ID Num = NBS 97/85
Mol.Weight = 154.099 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
2(5H)-Furanone, 5-pentyl- (8CI9CI)

Mol. Formula =
C9H1402

Misc. Info. =

45

Bis(2-ethylhexyl) ph	
00117-81-7	76
1,2-Benzenedicarboxy	
00603-11-2	52
1,2-Benzenedicarboxy	
27554-26-3	33



Entry# = 35849 CAS Num = 00117-91-7
Company ID Num = NBS 9/85
Mol.Weight = 390.276 Retention Index = 0.000
Melting Point = °C Boiling Point = °C
Name =
Bis(2-ethylhexyl) phthalate (ACN)

Mol. Formula =
C24H38O4

Misc. Info. =
Pesticides; Priority Pollutants;

下水処理施設における微量化学物質の挙動に関する調査（2）

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中村栄一，小森行也

要旨

近年，化学物質による環境汚染が社会的な問題となっているが，下水道の分野においても，これらの物質の挙動，影響等についての関心が高まっている。本調査では，下水中に含まれる微量化学物質，なかでも発ガン性，変異原性があるとの報告がある有機塩素化合物について，生分解性を調査するとともに，微生物，原生動物への影響について調査しその概要をまとめたものである。また，いくつかの下水処理施設において，流入下水，一次処理水，二次処理水中の微量化学物質の検索を行い資料としてまとめた。

キーワード：化学物質，有機塩素化合物，生分解，硝化菌，原生動物

郵便はがき

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No.

配布先氏名

配布先住所

土木研究所資料第2972号　　部

上記のとおり受領しました。

所　属（住所）

氏　名　　印