User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/17/2002 Time: 15:23:47

Sample: AE00558
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/17/02 15:06 Ended: 1/17/02 15:06 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 95 | | 5.0 |

**Comments for Sample AE00558 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-17-2002 Time: 15:23:53

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 8 of the 43 compounds in the LCS Standard were above their acceptance ranges.

...Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN15\00558.D Vial: 2
Acq On : 15 Jan 2002 2:21 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 15 15:51:52 2002 Quant Results File: SCAN508.RES

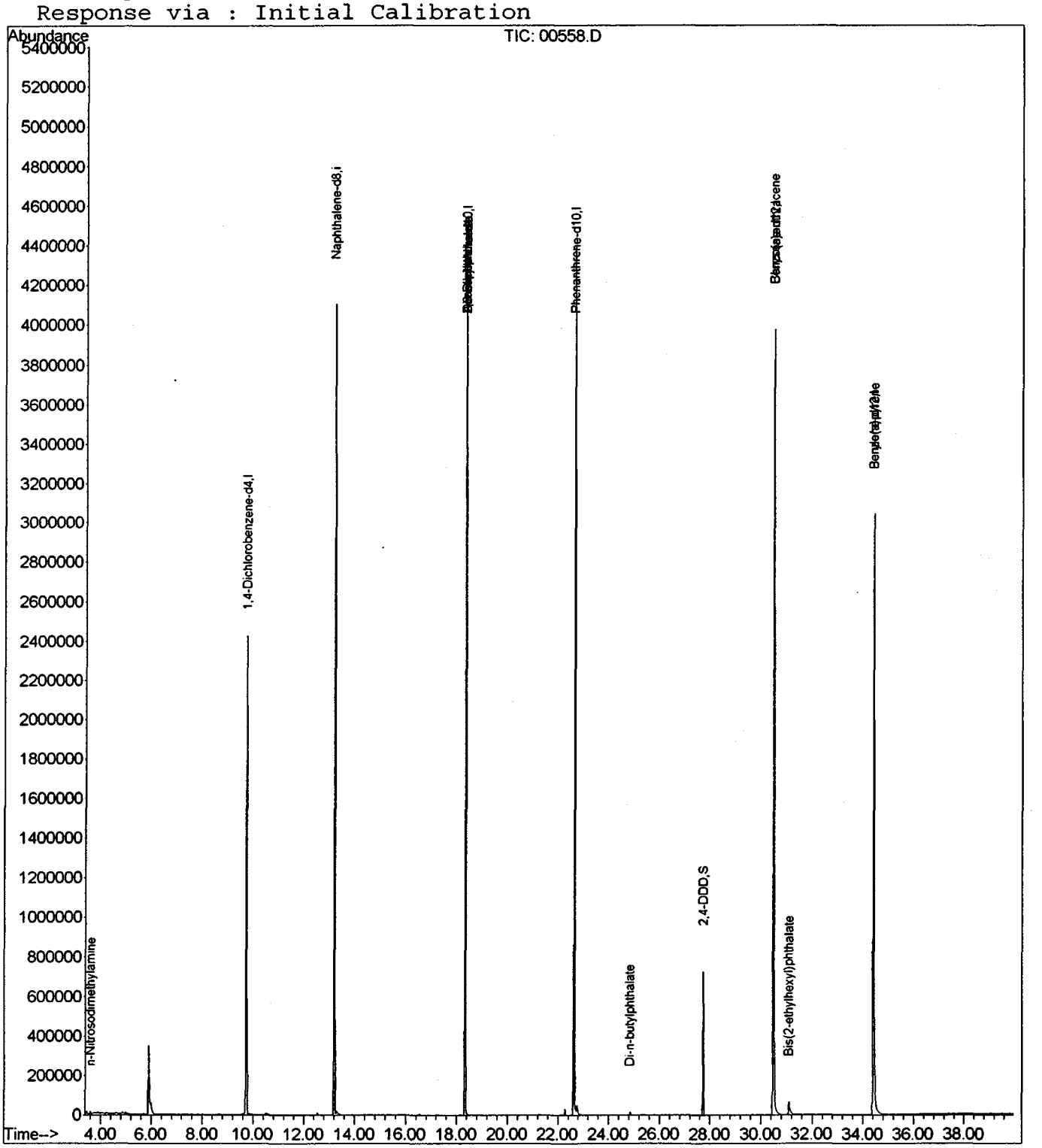
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.72 | 152 | 971717 | 20.00 | ug/L | 0.00 |
| 10) Naphthalene-d8 | 13.19 | 136 | 4089999 | 20.00 | ug/L | -0.02 |
| 17) Acenaphthene-d10 | 18.34 | 164 | 2129392 | 20.00 | ug/L | -0.01 |
| 29) Phenanthrene-d10 | 22.63 | 188 | 3556806 | 20.00 | ug/L | -0.03 |
| 38) Chrysene-d12 | 30.49 | 240 | 3201403 | 20.00 | ug/L | -0.02 |
| 44) Perylene-d12 | 34.42 | 264 | 2277220 | 20.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 27.73 | 235 | 267092 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 95.00% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) n-Nitrosodimethylamine | 3.60 | 74 | 7779 | 0.19 | ug/L # | 1 |
| 20) Dimethylphthalate | 18.34 | 163 | 342350 | 2.43 | ug/L # | 55 |
| 21) 2,6-Dinitrotoluene | 18.34 | 165 | 270900 | 9.88 | ug/L # | 17 |
| 35) Di-n-butylphthalate | 24.85 | 149 | 26689 | 0.12 | ug/L | 96 |
| 41) Benzo(a)anthracene | 30.49 | 228 | 7814 | 0.04 | ug/L # | 47 |
| 42) Bis(2-ethylhexyl)phthalate | 31.11 | 149 | 86805 | 1.09 | ug/L | 87 |
| 43) Chrysene | 30.49 | 228 | 7360 | 0.04 | ug/L # | 45 |
| 48) Benzo(a)pyrene | 34.42 | 252 | 8028 | 0.05 | ug/L # | 1 |

#) = qualifier out of range (m) = manual integration

Data File : C:\MSDCHEM\1\5973N\02JAN15\00558.D Vial: 2
Acq On : 15 Jan 2002 2:21 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 15 15:51 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02JAN15\00558.D Vial: 2
Acq On : 15 Jan 2002 2:21 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

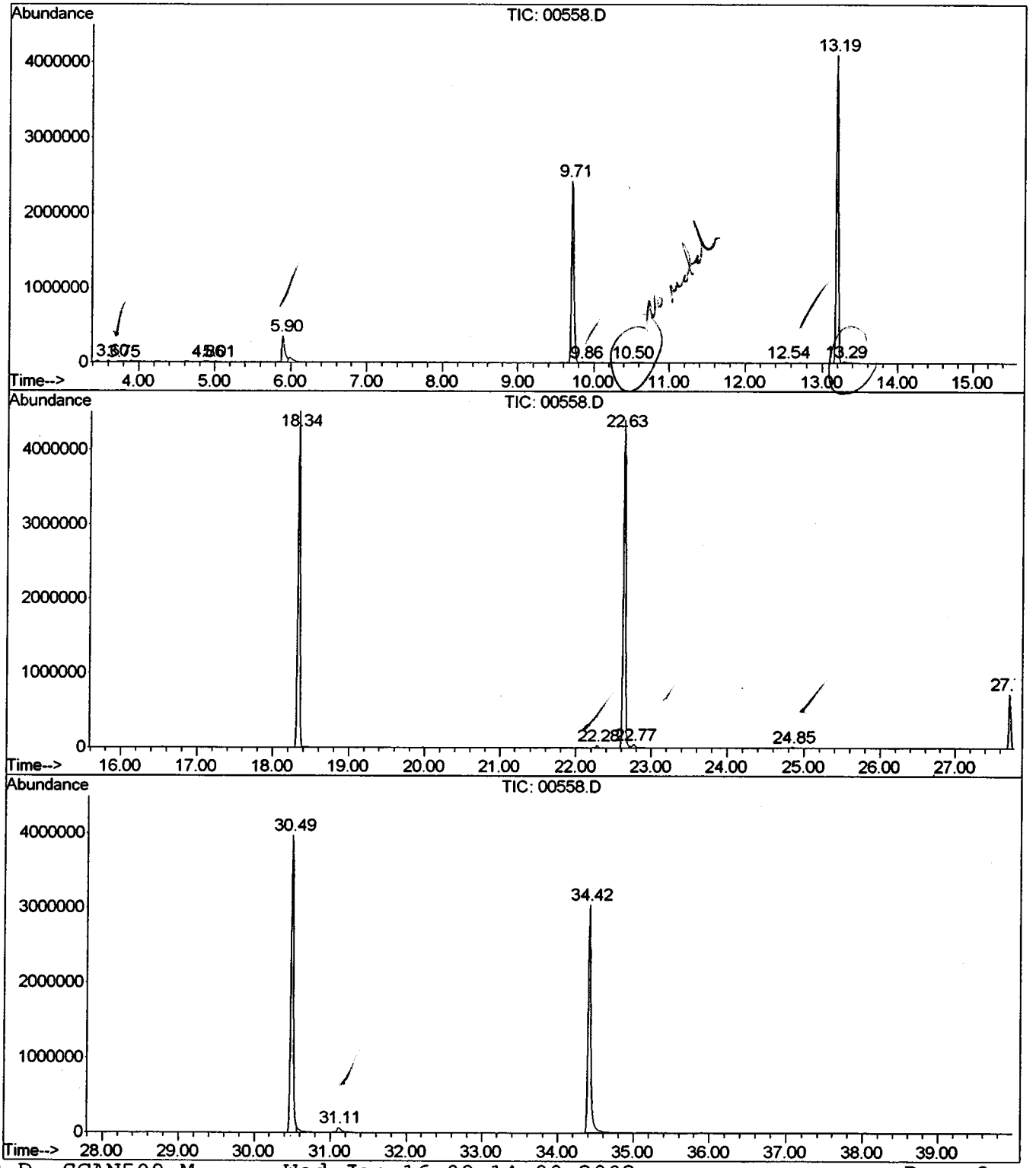
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.602 | 17 | 20 | 23 | rBV2 | 14141 | 25358 | 0.27% | 0.049% |
| 2 | 3.750 | 23 | 33 | 35 | rBV4 | 5749 | 22839 | 0.24% | 0.045% |
| 3 | 4.858 | 123 | 130 | 139 | rBV5 | 11313 | 41913 | 0.45% | 0.082% |
| 4 | 5.006 | 139 | 143 | 149 | rVV4 | 8994 | 21672 | 0.23% | 0.042% |
| 5 | 5.897 | 217 | 221 | 227 | rBV | 349693 | 892777 | 9.52% | 1.742% |
| 6 | 9.710 | 551 | 555 | 563 | rVV | 2429263 | 5509233 | 58.77% | 10.748% |
| 7 | 9.858 | 563 | 568 | 575 | rVV | 8240 | 30554 | 0.33% | 0.060% |
| 8 | 10.498 | 619 | 624 | 637 | rBV4 | 8243 | 41501 | 0.44% | 0.081% |
| 9 | 12.541 | 799 | 803 | 809 | rVB | 13378 | 21760 | 0.23% | 0.042% |
| 10 | 13.192 | 855 | 860 | 865 | rBV | 4104920 | 7839104 | 83.62% | 15.293% |
| 11 | 13.295 | 865 | 869 | 875 | rVB2 | 16109 | 35996 | 0.38% | 0.070% |
| 12 | 18.341 | 1305 | 1311 | 1315 | rBV | 4506863 | 8627366 | 92.03% | 16.831% |
| 13 | 22.280 | 1653 | 1656 | 1661 | rBV | 31916 | 59267 | 0.63% | 0.116% |
| 14 | 22.634 | 1681 | 1687 | 1693 | rBV2 | 4397827 | 9374125 | 100.00% | 18.288% |
| 15 | 22.771 | 1695 | 1699 | 1713 | rVB | 47904 | 146022 | 1.56% | 0.285% |
| 16 | 24.849 | 1877 | 1881 | 1889 | rVV | 17922 | 38178 | 0.41% | 0.074% |
| 17 | 27.726 | 2129 | 2133 | 2139 | rVV | 728818 | 1285487 | 13.71% | 2.508% |
| 18 | 30.489 | 2369 | 2375 | 2381 | rBV2 | 3976614 | 9244578 | 98.62% | 18.035% |
| 19 | 31.105 | 2421 | 2429 | 2449 | rBV | 66855 | 279477 | 2.98% | 0.545% |
| 20 | 34.416 | 2713 | 2719 | 2751 | rBV | 3043132 | 7720721 | 82.36% | 15.062% |

Sum of corrected areas: 51257928

File : C:\MSDCHEM\1\5973N\02JAN15\00558.D
Operator :
Acquired : 15 Jan 2002 2:21 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 15, 2002
Vial Number: 2
Quant File :SCAN508.RES (RTE Integrator)



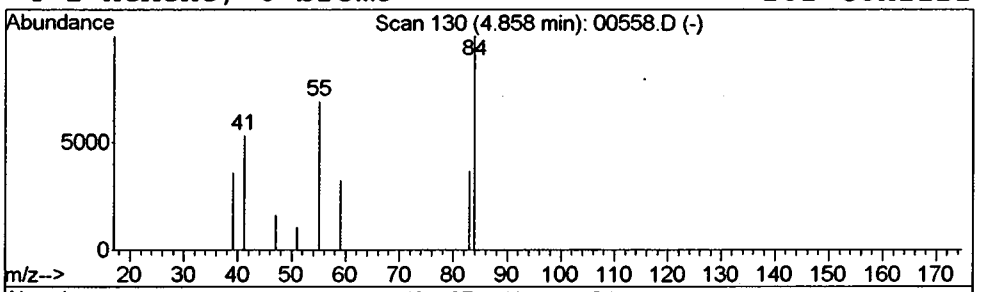
```
Data File : C:\MSDCHEM\1\5973N\02JAN15\00558.D          Vial: 2
Acq On    : 15 Jan 2002    2:21 pm                   Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 2002                         Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title        : 508 scan method
Library      : C:\DATABASE\WILEY7N.L
```

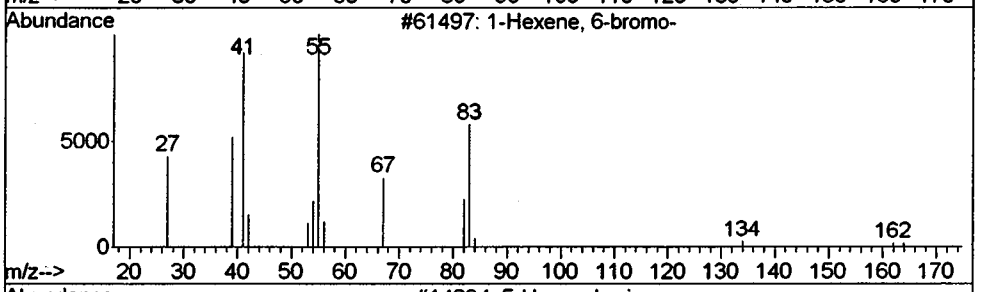
**********

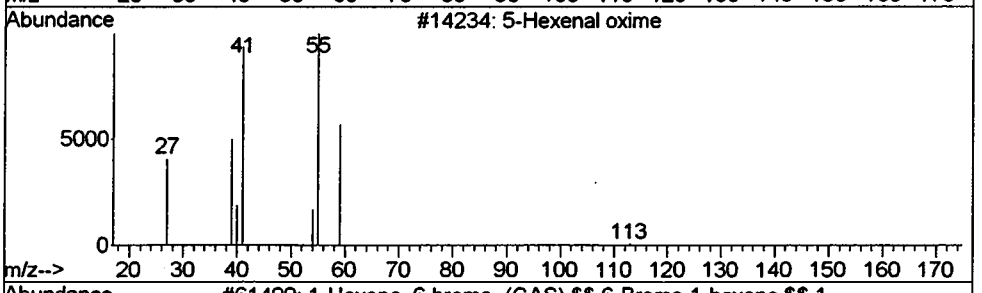
Peak Number 1 1-Hexene, 6-bromo- Concentration Rank 3

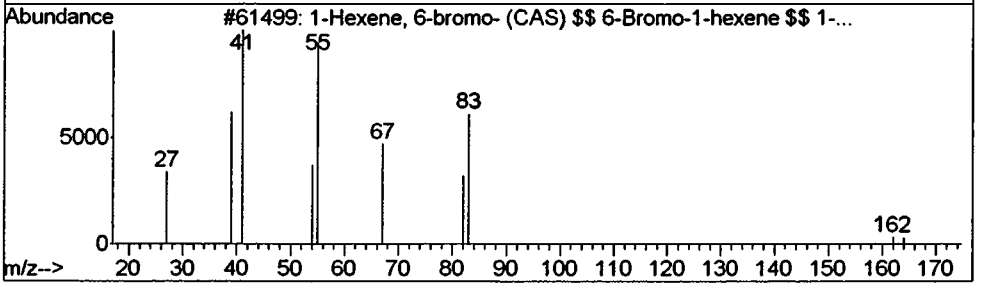
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.86 | 0.15 ug/L | 41913 | 1,4-Dichlorobenzene-d4 | 9.72 |

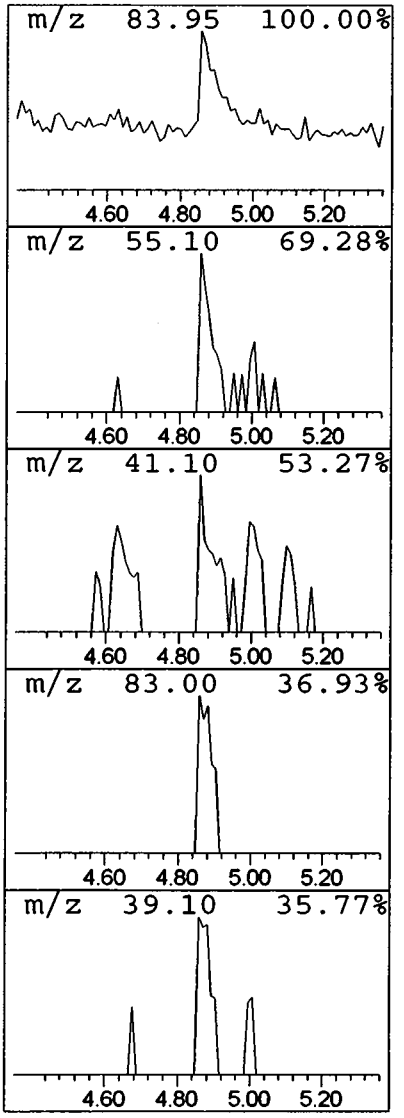
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexene, 6-bromo- | 162 | C6H11Br | 002695-47-8 | 9 |
| 2 | 5-Hexenal oxime | 113 | C6H11NO | 057606-82-3 | 9 |
| 3 | 1-Hexene, 6-bromo- (CAS) $$ 6-Br... | 162 | C6H11Br | 002695-47-8 | 9 |
| 4 | 1-Hexene, 6-bromo- | 162 | C6H11Br | 002695-47-8 | 9 |



Data File : C:\MSDCHEM\1\5973N\02JAN15\00558.D Vial: 2
Acq On : 15 Jan 2002 2:21 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

COLUMN BLEED COMPOUND

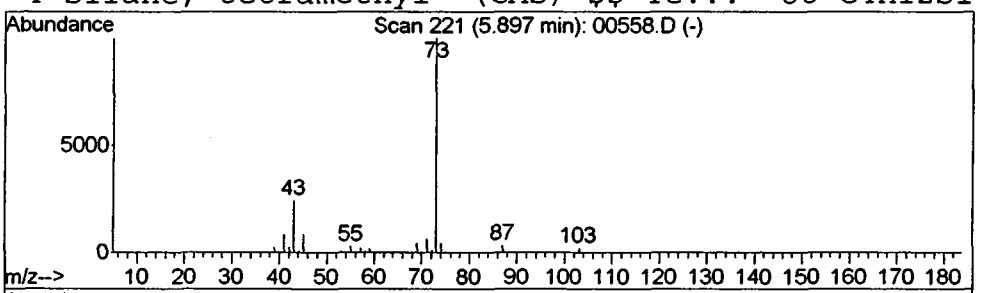
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

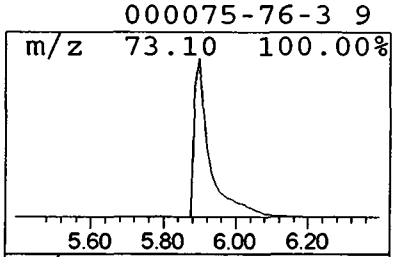
**********

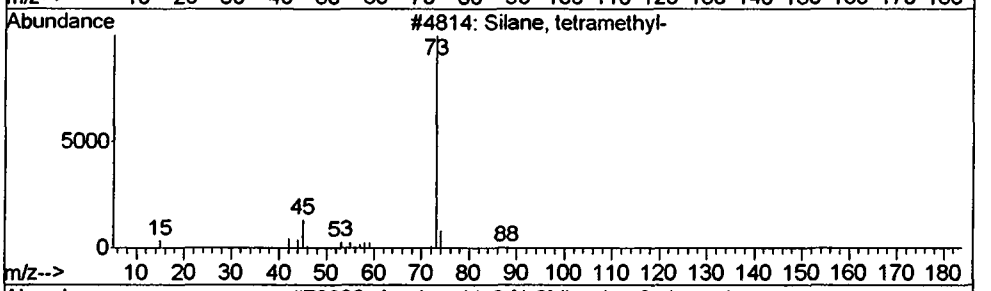
Peak Number 2 Silane, tetramethyl- Concentration Rank 1

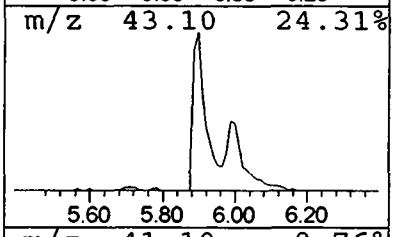
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.90 | 3.24 ug/L | 892777 | 1,4-Dichlorobenzene-d4 | 9.72 |

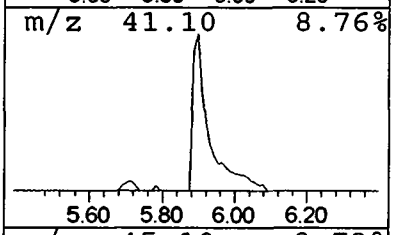
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 38 |
| 2 | Acetic acid, 3-[1,3]dioxolan-2-y... | 174 | C8H14O4 | 000000-00-0 | 36 |
| 3 | 3-(CYCLOHEX-3'-EN-YL)PROPANOL $$... | 174 | C8H14O4 | 015745-87-6 | 36 |
| 4 | Silane, tetramethyl- (CAS) $$ Te... | 88 | C4H12Si | 000075-76-3 | 9 |

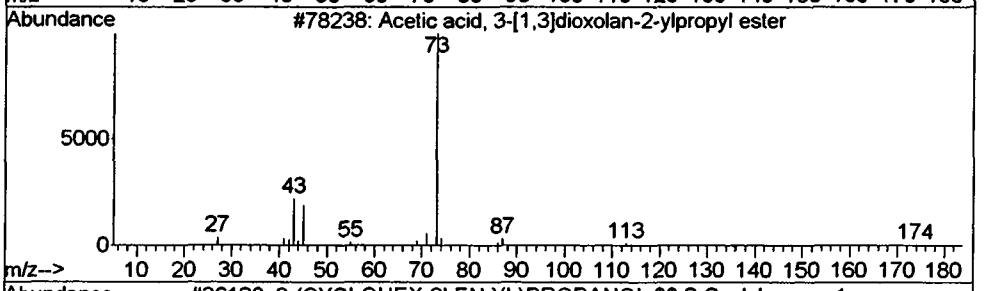


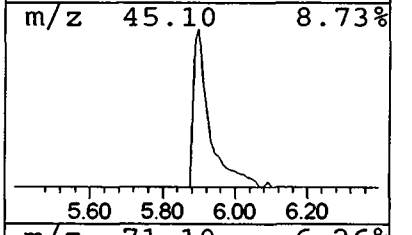



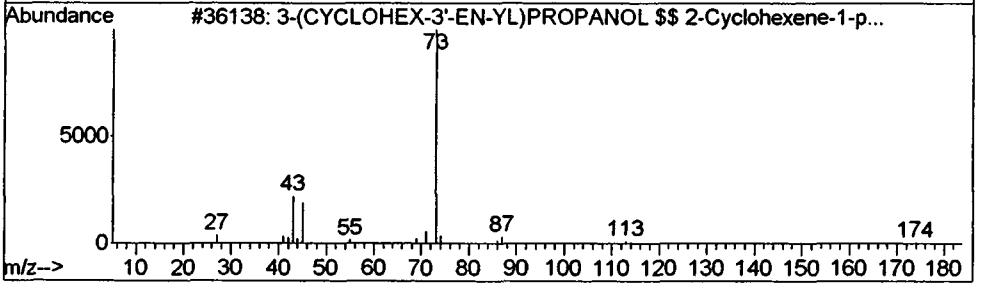



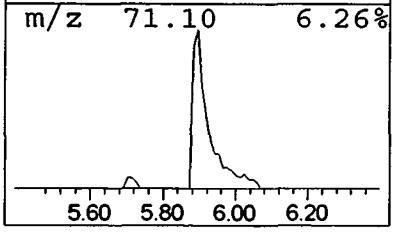



Data File : C:\MSDCHEM\1\5973N\02JAN15\00558.D  Vial: 2
Acq On : 15 Jan 2002 2:21 pm  Operator:
Sample : 508 scan  Inst : Instrumen
Misc : January 15, 2002  Multiplr: 1.00
MS Integration Params: LSCINT.P

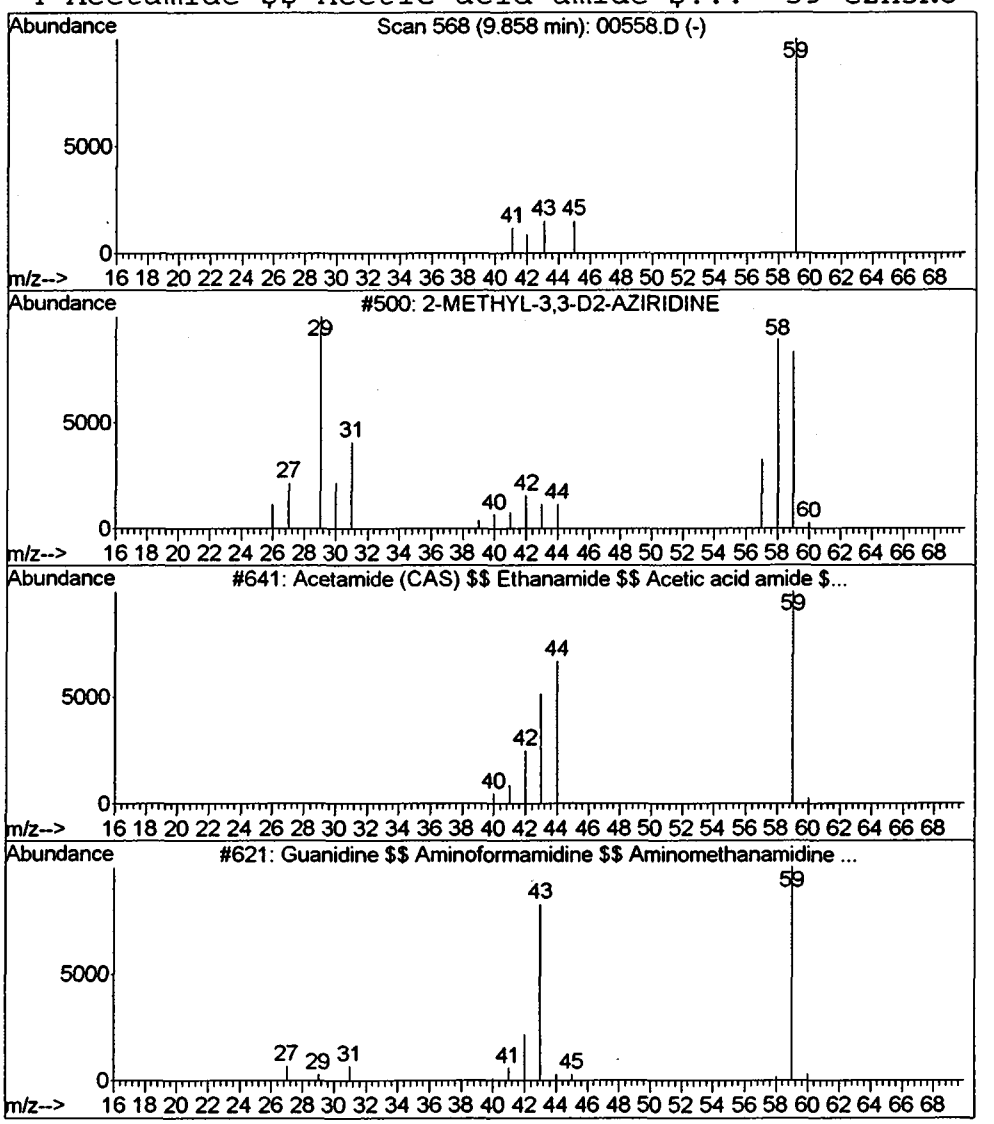
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

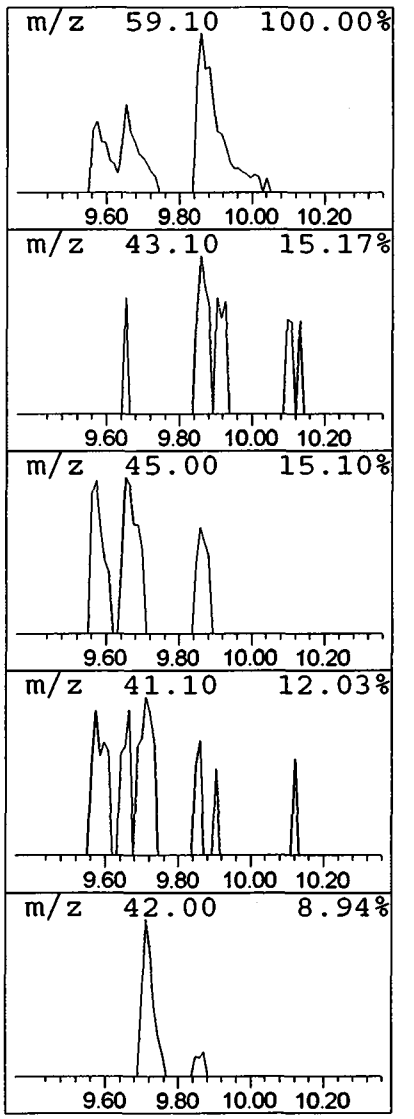
**********

Peak Number 3 2-METHYL-3,3-D2-AZIRIDINE Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.86 | 0.11 ug/L | 30554 | 1,4-Dichlorobenzene-d4 | 9.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-METHYL-3,3-D2-AZIRIDINE | 59 | C3H5D2N | 030691-55-5 | 5 |
| 2 | Acetamide (CAS) $$ Ethanamide $$... | 59 | C2H5NO | 000060-35-5 | 4 |
| 3 | Guanidine $$ Aminoformamidine $$... | 59 | CH5N3 | 000113-00-8 | 3 |
| 4 | Acetamide $$ Acetic acid amide $... | 59 | C2H5NO | 000060-35-5 | 3 |



```
Data File : C:\MSDCHEM\1\5973N\02JAN15\00558.D          Vial: 2
Acq On    : 15 Jan 2002    2:21 pm                    Operator:
Sample    : 508 scan                                  Inst    : Instrumen
Misc      : January 15, 2002                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title        : 508 scan method
Library      : C:\DATABASE\WILEY7N.L
```

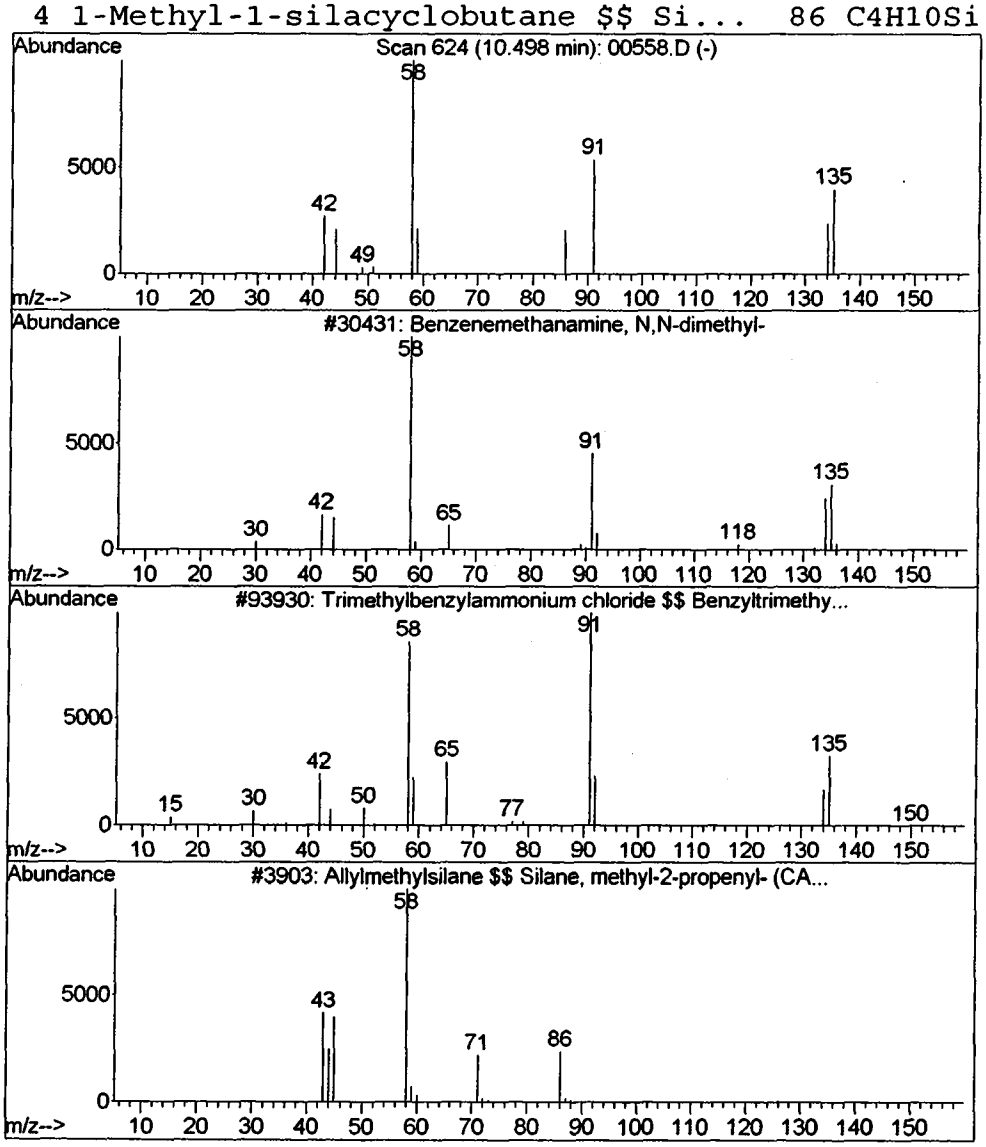
**********

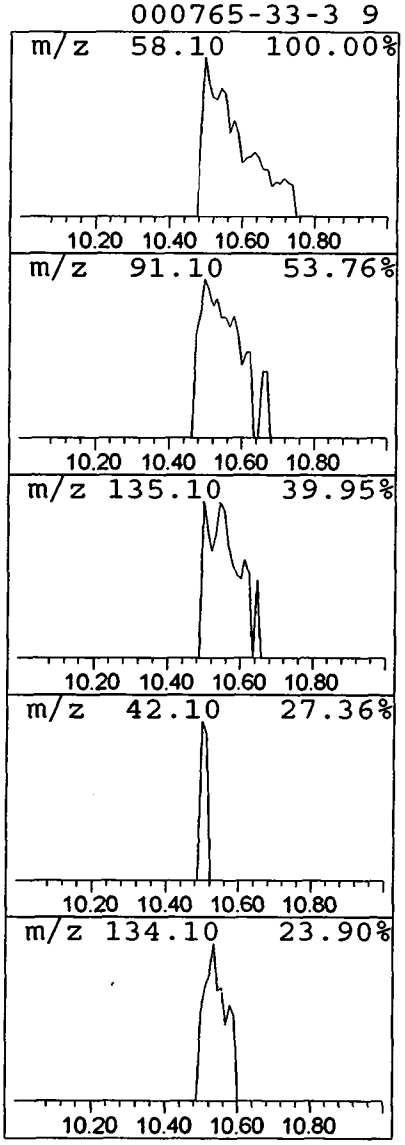
Peak Number 4 Benzenemethanamine, N,N-dim... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.50 | 0.15 ug/L | 41501 | 1,4-Dichlorobenzene-d4 | 9.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenemethanamine, N,N-dimethyl- | 135 | C9H13N | 000103-83-3 | 64 |
| 2 | Trimethylbenzylammonium chloride... | 185 | C10H16ClN | 000056-93-9 | 39 |
| 3 | Allylmethylsilane $$ Silane, met... | 86 | C4H10Si | 017342-50-6 | 9 |
| 4 | 1-Methyl-1-silacyclobutane $$ Si... | 86 | C4H10Si | 000765-33-3 | 9 |

NOT A GOOD MATCH



Data File : C:\MSDCHEM\1\5973N\02JAN15\00558.D Vial: 2
Acq On : 15 Jan 2002 2:21 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

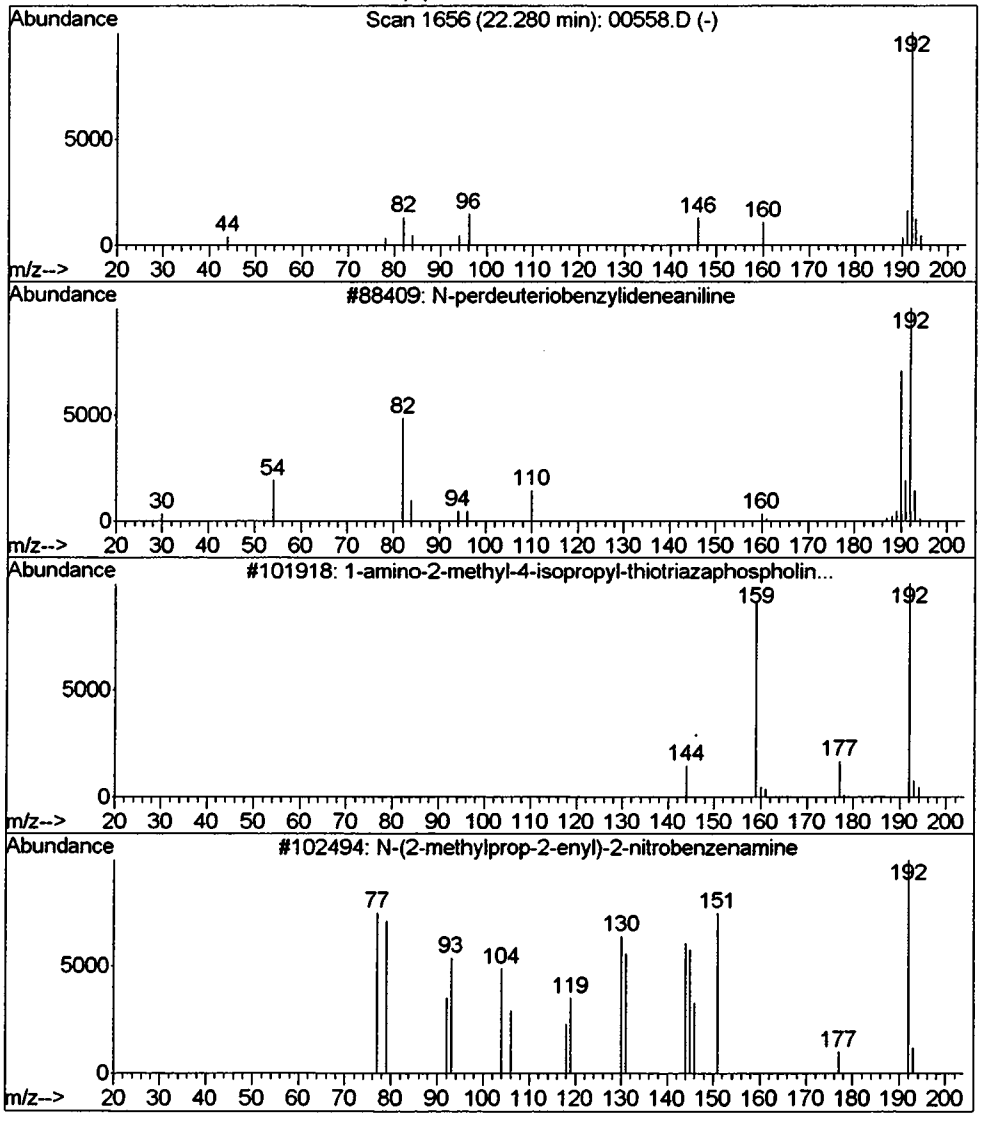
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

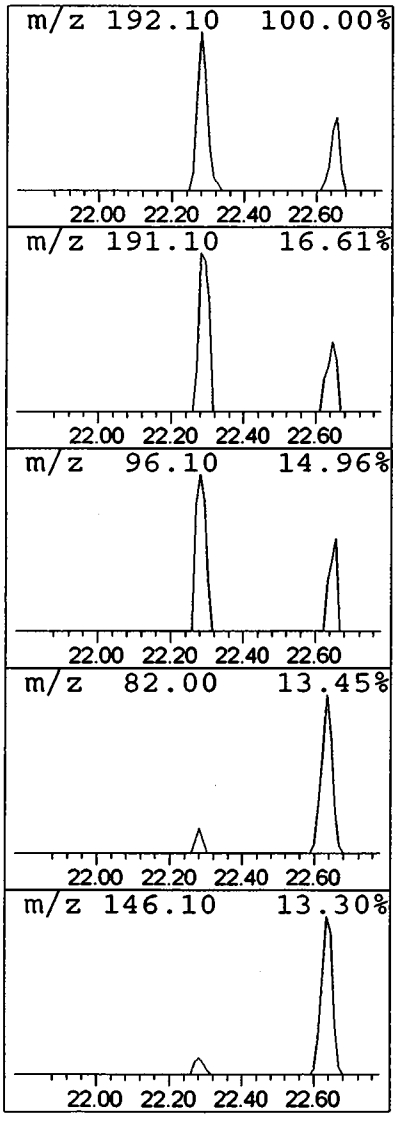
**********

Peak Number 5 N-perdeuteriobenzylideneani... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.28 | 0.13 ug/L | 59267 | Phenanthrene-d10 | 22.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N-perdeuteriobenzylideneaniline | 192 | C13D11N | 000538-51-2 | 58 |
| 2 | 1-amino-2-methyl-4-isopropyl-thi... | 192 | C5H13N4PS | 107264-54-0 | 50 |
| 3 | N-(2-methylprop-2-enyl)-2-nitrob... | 192 | C10H12N2O2 | 000000-00-0 | 47 |
| 4 | 2-CYANOCARBAZOLE $$ 9H-Carbazole... | 192 | C13H8N2 | 057955-18-7 | 45 |



Data File : C:\MSDCHEM\1\5973N\02JAN15\00558.D Vial: 2
Acq On : 15 Jan 2002 2:21 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

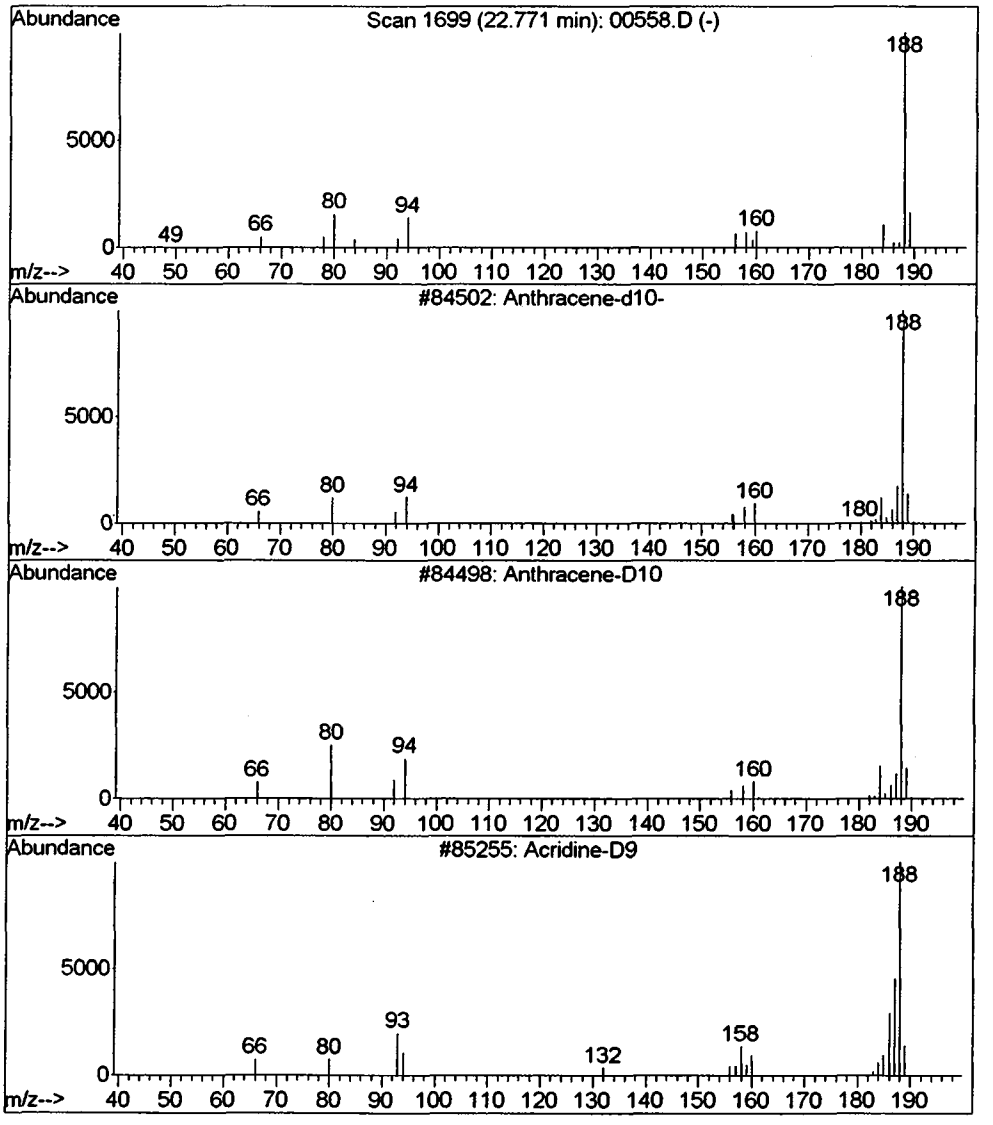
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

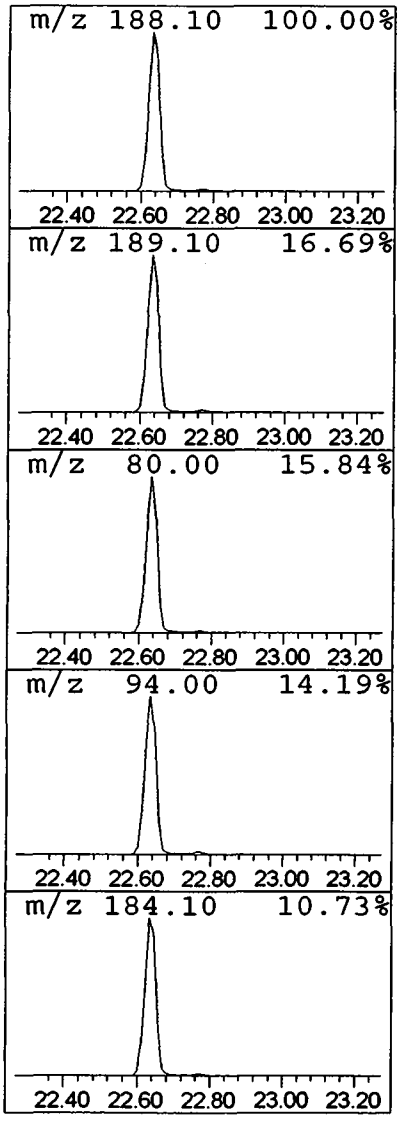
**********

Peak Number 6 Anthracene-d10- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.77 | 0.31 ug/L | 146022 | Phenanthrene-d10 | 22.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 90 |
| 2 | Anthracene-D10 | 188 | C14D10 | 000000-00-0 | 80 |
| 3 | Acridine-D9 | 188 | C13D9N | 000000-00-0 | 72 |
| 4 | Acridine-D9 | 188 | C13D9N | 000000-00-0 | 72 |



Operator ID: Date Acquired: 15 Jan 2002 2:21 pm
Data File: C:\MSDCHEM\1\5973N\02JAN15\00558.D
Name: 508 scan
Misc: January 15, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard Conc |
|---|---|---|---|---|---|---|---|---|
| 1-Hexene, 6-bromo- | 4.86 | 0.2 | ug/L | 41913 | 1 | 9.72 | 5509230 | 20.0 |
| Silane, tetramethyl- | 5.90 | 3.2 | ug/L | 892777 | 1 | 9.72 | 5509230 | 20.0 |
| 2-METHYL-3,3-D2-A... | 9.86 | 0.1 | ug/L | 30554 | 1 | 9.72 | 5509230 | 20.0 |
| Benzenemethanamin... | 10.50 | 0.2 | ug/L | 41501 | 1 | 9.72 | 5509230 | 20.0 |
| N-perdeuteriobenz... | 22.28 | 0.1 | ug/L | 59267 | 4 | 22.63 | 9374130 | 20.0 |
| Anthracene-d10- | 22.77 | 0.3 | ug/L | 146022 | 4 | 22.63 | 9374130 | 20.0 |