# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11410.D  Vial: 19
Acq On : 18 May 2002 4:16 am  Operator: Mclean
Sample : 5/15 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

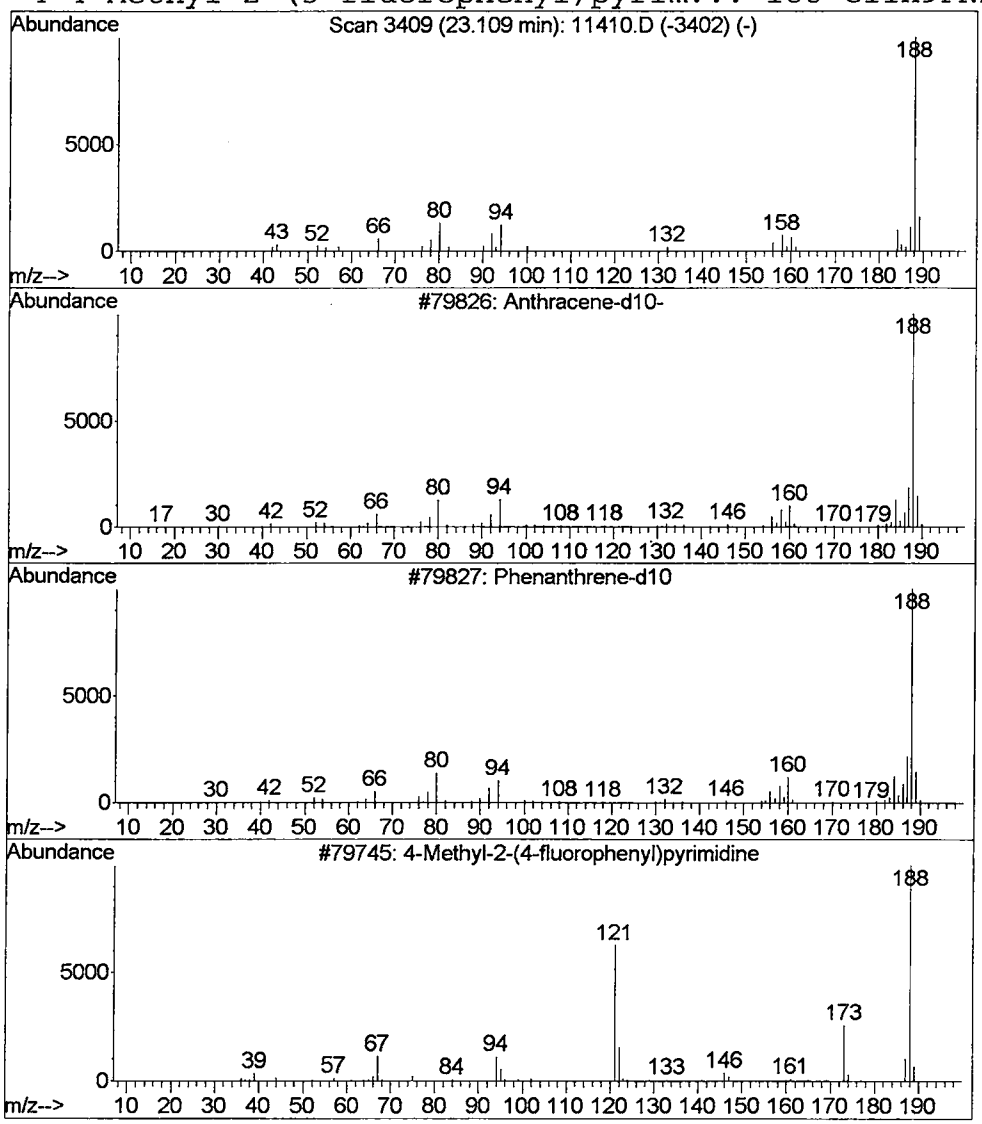
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

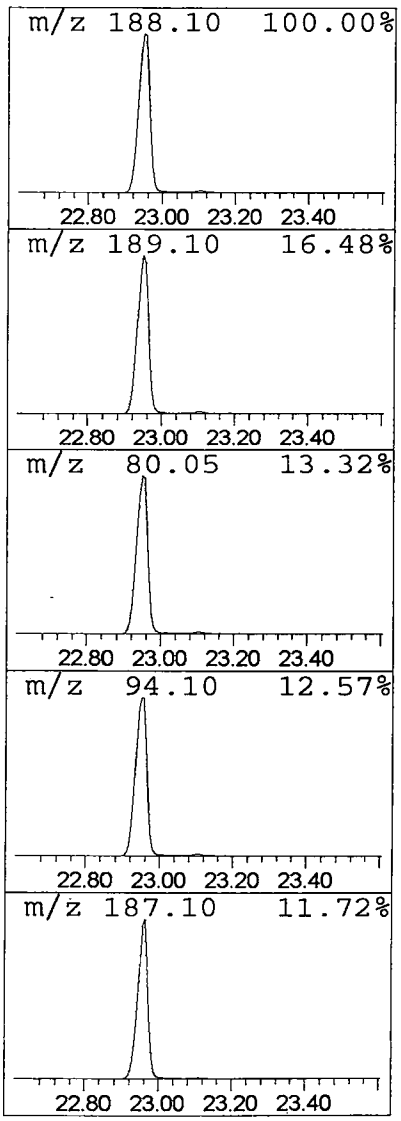
**********

Peak Number 4 Anthracene-d10- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.11 | 0.41 ug/L | 555774 | Phenanthranene-d10 | 22.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 90 |
| 2 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 80 |
| 3 | 4-Methyl-2-(4-fluorophenyl)pyrim... | 188 | C11H9FN2 | 076128-67-1 | 42 |
| 4 | 4-Methyl-2-(3-fluorophenyl)pyrim... | 188 | C11H9FN2 | 076128-66-0 | 42 |



Tentatively Identified Compound (LSC) summary

Operator ID: Mclean  Date Acquired: 18 May 2002  4:16 am
Data File: C:\MSDCHEM\1\DATA\051702\11410.D
Name: 5/15 eh
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard Conc |
|---|---|---|---|---|---|---|---|---|
| 2-Pentanone, 4-hy... | 5.97 | 15.9 | ug/L | 15187200 | 1 | 9.94 | 38242000 | 40.0 |
| 3-Oxetanol, 2,2,3... | 7.73 | 0.2 | ug/L | 230948 | 1 | 9.94 | 38242000 | 40.0 |
| Phenanthrene, 9-m... | 22.58 | 0.3 | ug/L | 413546 | 4 | 22.96 | 54351300 | 40.0 |
| Anthracene-d10- | 23.11 | 0.4 | ug/L | 555774 | 4 | 22.96 | 54351300 | 40.0 |

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 15:07:46

Sample: AE11411
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/28/02 15:07 Ended: 5/28/02 15:07 Analyst: DLV
Page: 1

| | Component Name | Vial | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 86 | | 10.0 |

**Comments for Sample AE11411 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-28-2002 Time: 15:08:11

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 3 of the 43 compounds in the LCS Standard were low.

Data File : C:\MSDCHEM\1\DATA\051702\11411.D Vial: 20
Acq On : 18 May 2002 5:05 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 09:51:58 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.94 | 152 | 6058872 | 40.00 | ug/L | 0.00 |
| 10) Napthalene-d8 | 13.43 | 136 | 23583143 | 40.00 | ug/L | 0.00 |
| 17) Acenapthalene-d10 | 18.57 | 164 | 12697378 | 40.00 | ug/L | 0.00 |
| 29) Phenanthranene-d10 | 22.95 | 188 | 18179099 | 40.00 | ug/L | 0.00 |
| 37) Chrysene-d12 | 30.80 | 240 | 12791840 | 40.00 | ug/L | 0.00 |
| 43) Perylene-d12 | 34.70 | 264 | 7613982 | 40.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) TCMX | 20.55 | 209 | 2662974 | 34.54 | ug/L | 0.00 |
| Spiked Amount 40.000 | | | Recovery = 86.35% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) n-nitros-dimethyl amine | 0.00 | 74 | 0 | N.D. | | |
| 3) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 4) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 5) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 6) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 7) 2,2'oxybis(1-Chloropropane | 0.00 | 45 | 0 | N.D. | | |
| 8) N-nitroso-di-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 9) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 11) Nitrobenzene | 0.00 | 77 | 0 | N.D. | | |
| 12) Isophorone | 0.00 | 82 | 0 | N.D. | | |
| 13) bis(2-Chloroethoxy) methan | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 15) Napthalene | 0.00 | 128 | 0 | N.D. | | |
| 16) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | | |
| 18) 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | | |
| 19) Dimethylphthalate | 0.00 | 163 | 0 | N.D. | | |
| 20) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 21) Acenapthylene | 0.00 | 152 | 0 | N.D. | | |
| 22) Acenapthalene | 0.00 | 153 | 0 | N.D. | | |
| 23) 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 24) Diethylphthalate | 0.00 | 149 | 0 | N.D. | | |
| 25) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 26) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 28) Azobenzene | 20.54 | 77 | 42328 | N.D. | | |
| 30) Nnitrosodiphenylamine | 20.55 | 169 | 54369 | N.D. | | |
| 31) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | | |
| 32) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | | |
| 33) Phenanthrene | 0.00 | 178 | 0 | N.D. | | |
| 34) Anthracene | 0.00 | 178 | 0 | N.D. | | |
| 35) Di-n-butylphthalate | 0.00 | 149 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\11411.D Vial: 20
Acq On : 18 May 2002 5:05 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 09:51:58 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

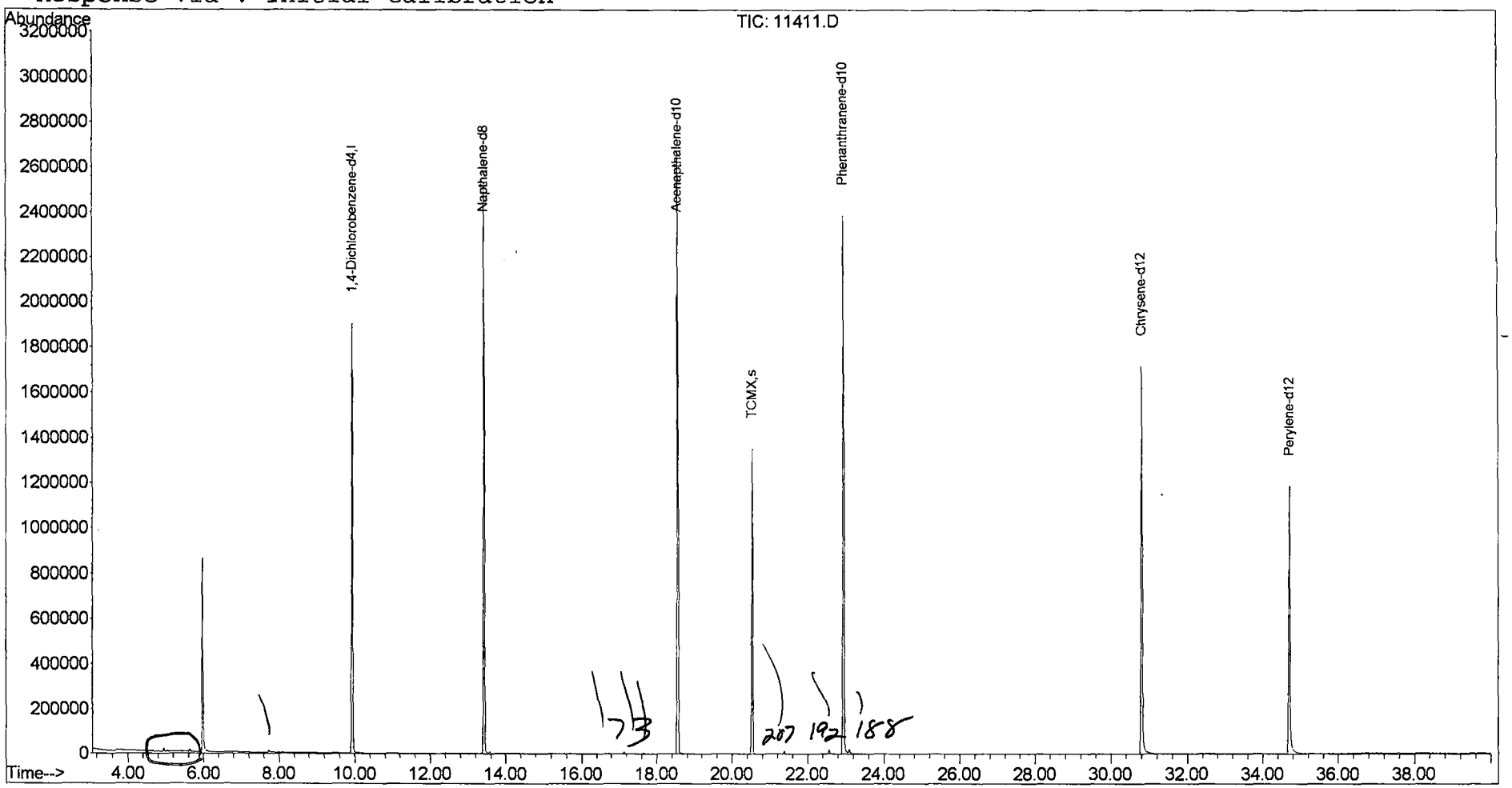
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 36) | Fluoroanthene | 0.00 | 202 | 0 | N.D. | |
| 38) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 39) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 40) | Benzo(a)anthracene | 30.80 | 228 | 32539 | N.D. | |
| 41) | Bis(2-ethylhexyl)phthalate | 0.00 | 149 | 0 | N.D. | |
| 42) | Chrysene | 0.00 | 228 | 0 | N.D. | |
| 44) | Di-n-octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 45) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 46) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 47) | Benzo(a)pyrene | 0.00 | 252 | 0 | N.D. | |
| 48) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 49) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 50) | Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\11411.D Vial: 20
Acq On : 18 May 2002 5:05 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 9:51 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051702\11411.D
Acq On : 18 May 2002 5:05 am
Sample : 5/15 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 20
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

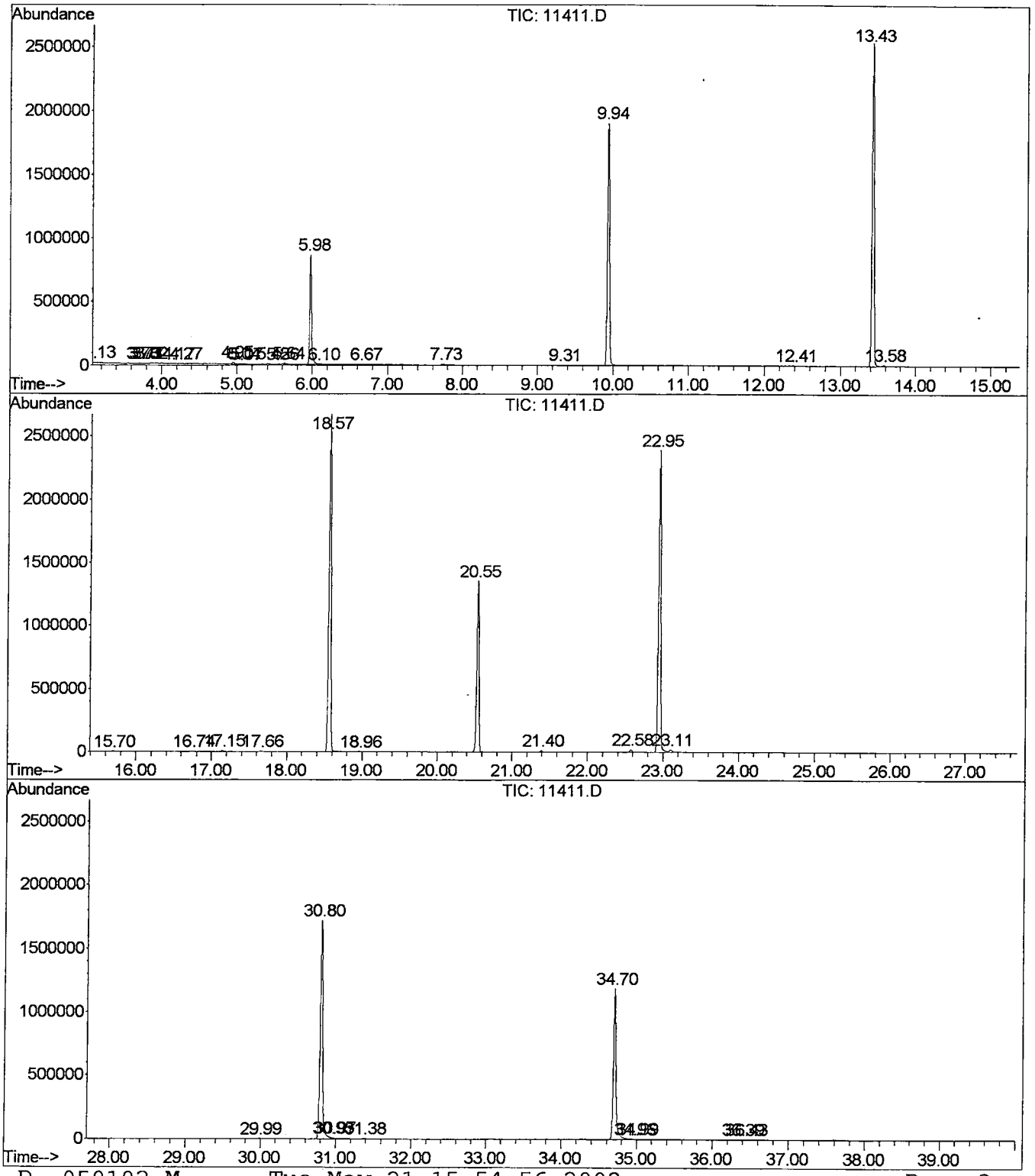
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.132 | 3 | 9 | 16 | BV 5 | 3163 | 41098 | 0.08% | 0.014% |
| 2 | 3.702 | 95 | 106 | 109 | PV 8 | 3689 | 113370 | 0.22% | 0.038% |
| 3 | 3.732 | 109 | 111 | 116 | VV 6 | 4444 | 94007 | 0.18% | 0.032% |
| 4 | 3.773 | 116 | 118 | 122 | VV 4 | 4102 | 74988 | 0.14% | 0.025% |
| 5 | 3.814 | 122 | 125 | 129 | VV 4 | 3701 | 75640 | 0.15% | 0.025% |
| 6 | 4.172 | 180 | 186 | 198 | VV 10 | 2123 | 68129 | 0.13% | 0.023% |
| 7 | 4.272 | 198 | 203 | 206 | PV 5 | 2340 | 34368 | 0.07% | 0.012% |
| 8 | 4.954 | 314 | 319 | 329 | VV | 14898 | 257707 | 0.50% | 0.087% |
| 9 | 5.042 | 329 | 334 | 337 | PV 6 | 3987 | 69824 | 0.13% | 0.023% |
| 10 | 5.071 | 337 | 339 | 343 | VV 4 | 2198 | 33310 | 0.06% | 0.011% |
| 11 | 5.424 | 394 | 399 | 403 | VV 4 | 3606 | 74322 | 0.14% | 0.025% |
| 12 | 5.559 | 415 | 422 | 426 | PV 6 | 2313 | 53614 | 0.10% | 0.018% |
| 13 | 5.635 | 426 | 435 | 453 | VV 6 | 10686 | 298303 | 0.57% | 0.100% |
| 14 | 5.976 | 487 | 493 | 513 | VV | 850823 | 14800764 | 28.46% | 4.973% |
| 15 | 6.099 | 513 | 514 | 534 | VV 8 | 4050 | 162331 | 0.31% | 0.055% |
| 16 | 6.669 | 606 | 611 | 614 | PV 6 | 1360 | 15792 | 0.03% | 0.005% |
| 17 | 7.733 | 785 | 792 | 810 | PV 2 | 8368 | 245374 | 0.47% | 0.082% |
| 18 | 9.313 | 1056 | 1061 | 1070 | PV 4 | 1853 | 38873 | 0.07% | 0.013% |
| 19 | 9.936 | 1155 | 1167 | 1189 | PV | 1902677 | 36008518 | 69.24% | 12.098% |
| 20 | 12.404 | 1582 | 1587 | 1594 | PV 2 | 3417 | 50189 | 0.10% | 0.017% |
| 21 | 13.432 | 1749 | 1762 | 1782 | PV | 2532224 | 48197641 | 92.68% | 16.193% |
| 22 | 13.579 | 1782 | 1787 | 1795 | VV 3 | 8409 | 151603 | 0.29% | 0.051% |
| 23 | 15.694 | 2139 | 2147 | 2160 | VV 4 | 1909 | 42904 | 0.08% | 0.014% |
| 24 | 16.746 | 2318 | 2326 | 2334 | PV 3 | 4013 | 74208 | 0.14% | 0.025% |
| 25 | 17.145 | 2389 | 2394 | 2401 | VV 2 | 8562 | 140748 | 0.27% | 0.047% |
| 26 | 17.657 | 2475 | 2481 | 2497 | PV 4 | 3968 | 63015 | 0.12% | 0.021% |
| 27 | 18.567 | 2621 | 2636 | 2658 | BV | 2638634 | 52001865 | 100.00% | 17.471% |
| 28 | 18.961 | 2686 | 2703 | 2707 | BV 3 | 2042 | 39865 | 0.08% | 0.013% |
| 29 | 20.547 | 2959 | 2973 | 2985 | PV | 1347278 | 26377141 | 50.72% | 8.862% |
| 30 | 21.394 | 3096 | 3117 | 3126 | PV 2 | 11567 | 187836 | 0.36% | 0.063% |
| 31 | 22.575 | 3312 | 3318 | 3331 | VV 2 | 18825 | 343661 | 0.66% | 0.115% |
| 32 | 22.956 | 3370 | 3383 | 3402 | PV 2 | 2354145 | 49568290 | 95.32% | 16.653% |
| 33 | 23.109 | 3402 | 3409 | 3439 | VV | 20106 | 596916 | 1.15% | 0.201% |
| 34 | 29.984 | 4572 | 4579 | 4587 | PV 4 | 1995 | 46453 | 0.09% | 0.016% |
| 35 | 30.806 | 4700 | 4719 | 4742 | BV 2 | 1719001 | 39100624 | 75.19% | 13.137% |
| 36 | 30.947 | 4742 | 4743 | 4746 | VV 2 | 8510 | 86681 | 0.17% | 0.029% |
| 37 | 30.971 | 4746 | 4747 | 4752 | VV 3 | 6701 | 122261 | 0.24% | 0.041% |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | VV | 7 | 2676 | 66333 | 0.13% | 0.022% |
| 39 | 34.702 | 5370 | 5382 | 5425 | PV | 2 | 1169430 | 27758889 | 53.38% | 9.326% |
| 40 | 34.960 | 5425 | 5426 | 5429 | VV | 3 | 1703 | 16850 | 0.03% | 0.006% |
| 41 | 34.990 | 5429 | 5431 | 5433 | VV | 3 | 831 | 6296 | 0.01% | 0.002% |
| 42 | 36.388 | 5659 | 5669 | 5675 | PV | 5 | 1517 | 34152 | 0.07% | 0.011% |
| 43 | 36.435 | 5675 | 5677 | 5680 | VV | 3 | 933 | 10490 | 0.02% | 0.004% |

Sum of corrected areas: 297645244

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051702\11411.D
Operator : Mclean
Acquired : 18 May 2002 5:05 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/15 eh
Misc Info :
Vial Number: 20
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051702\11411.D  Vial: 20
Acq On : 18 May 2002 5:05 am  Operator: Mclean
Sample : 5/15 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

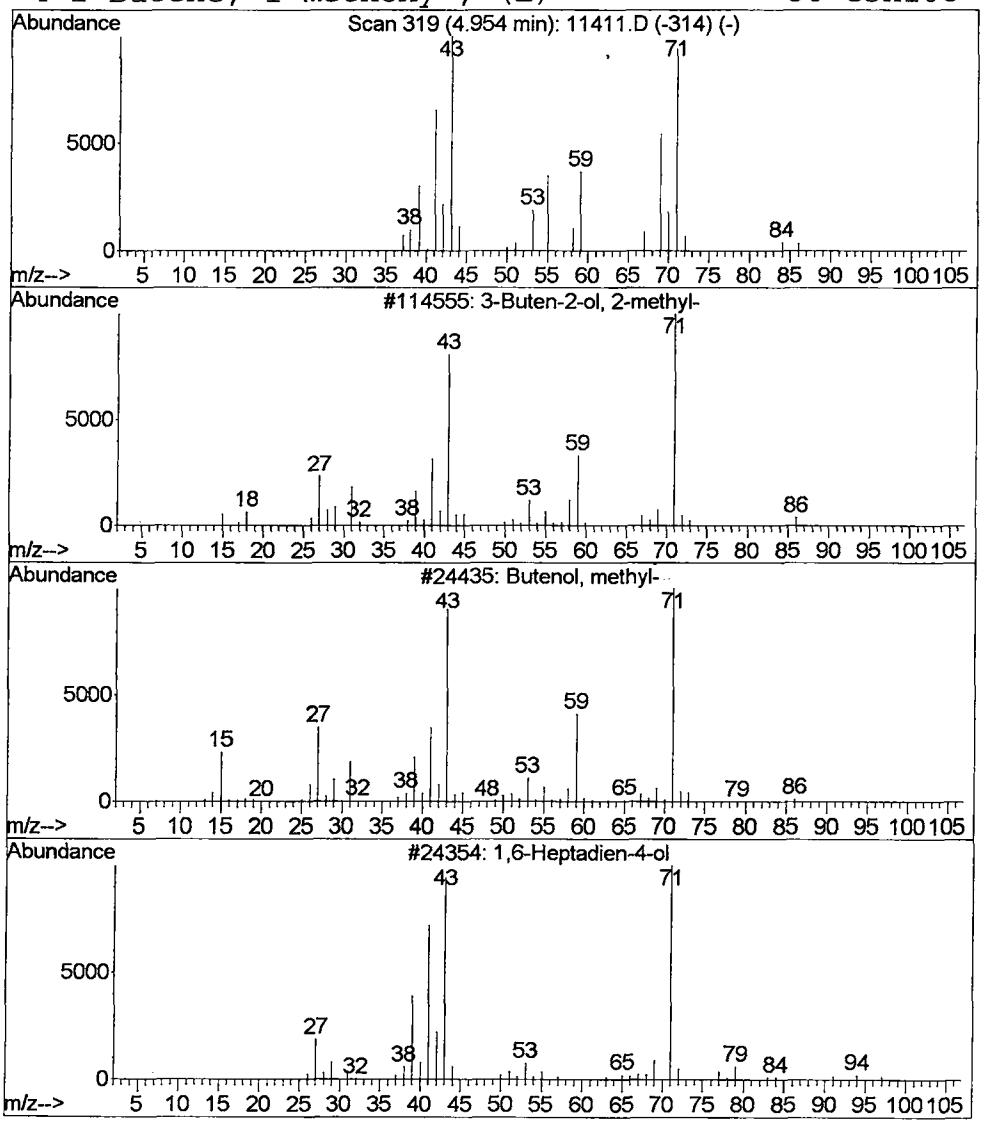
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

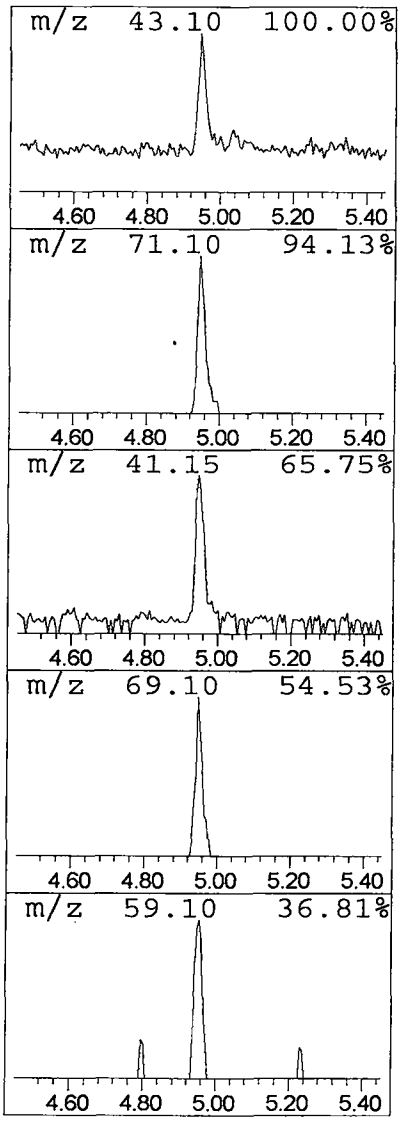
**********

Peak Number 1 3-Buten-2-ol, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.95 | 0.29 ug/L | 257707 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Buten-2-ol, 2-methyl- | 86 | C5H10O | 000115-18-4 | 53 |
| 2 | Butenol, methyl- | 86 | C5H10O | 060766-00-9 | 53 |
| 3 | 1,6-Heptadien-4-ol | 112 | C7H12O | 002883-45-6 | 38 |
| 4 | 2-Butene, 1-methoxy-, (E)- | 86 | C5H10O | 010034-14-7 | 37 |



Data File : C:\MSDCHEM\1\DATA\051702\11411.D  Vial: 20
Acq On : 18 May 2002 5:05 am  Operator: Mclean
Sample : 5/15 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

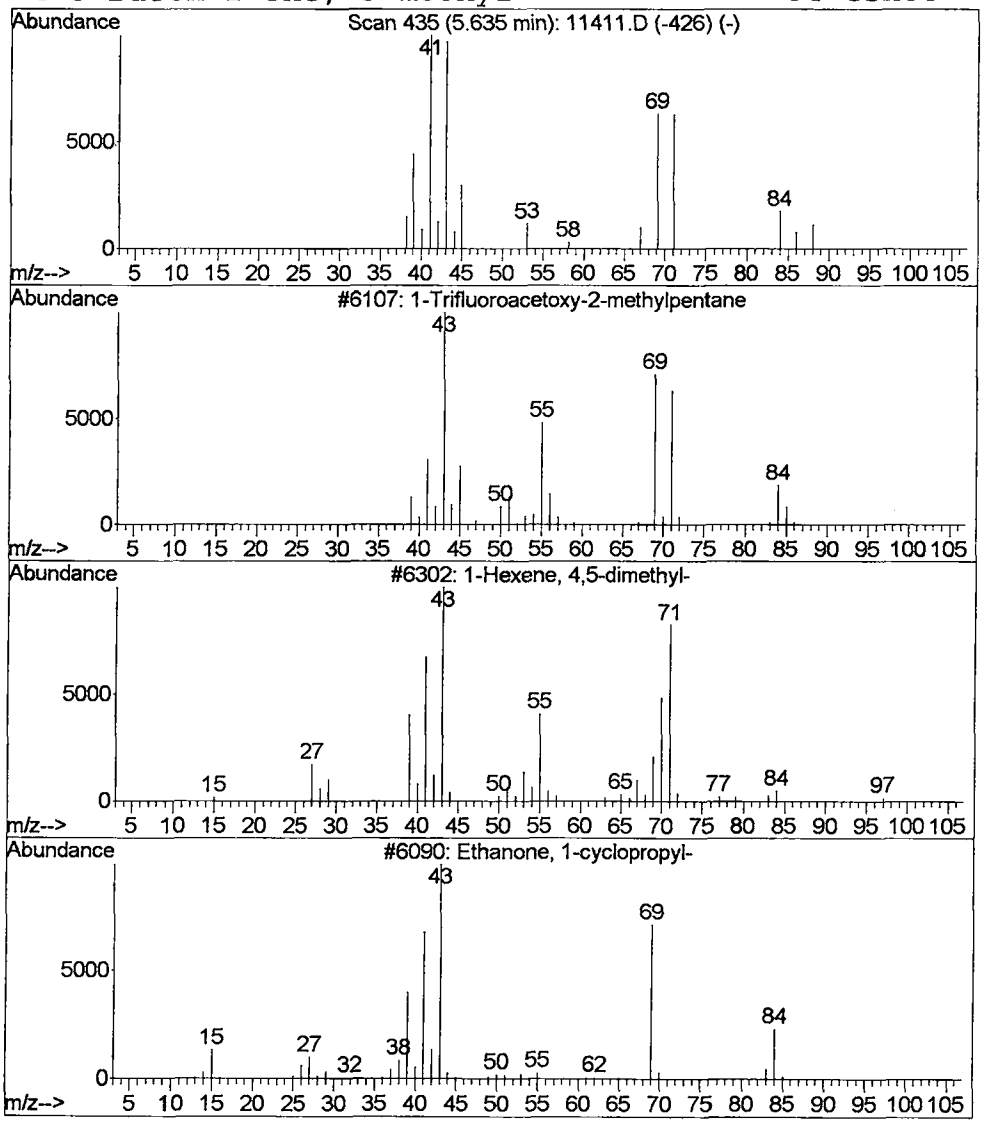
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

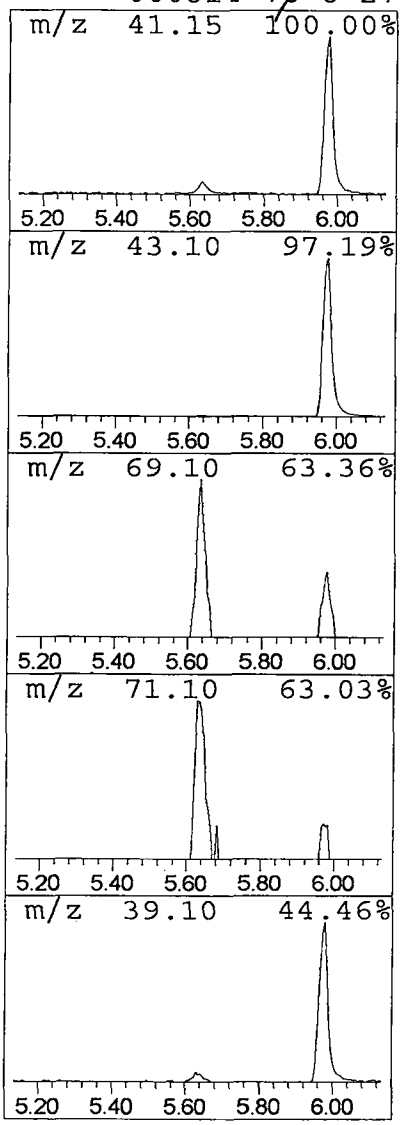
**********

Peak Number 2 1-Trifluoroacetoxy-2-methyl... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.64 | 0.33 ug/L | 298303 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Trifluoroacetoxy-2-methylpentane | 198 | C8H13F3O2 | 1000215-95-6 | 47 |
| 2 | 1-Hexene, 4,5-dimethyl- | 112 | C8H16 | 016106-59-5 | 45 |
| 3 | Ethanone, 1-cyclopropyl- | 84 | C5H8O | 000765-43-5 | 35 |
| 4 | 3-Buten-2-one, 3-methyl- | 84 | C5H8O | 000814-78-8 | 27 |



Data File : C:\MSDCHEM\1\DATA\051702\11411.D  Vial: 20
Acq On : 18 May 2002 5:05 am  Operator: Mclean
Sample : 5/15 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

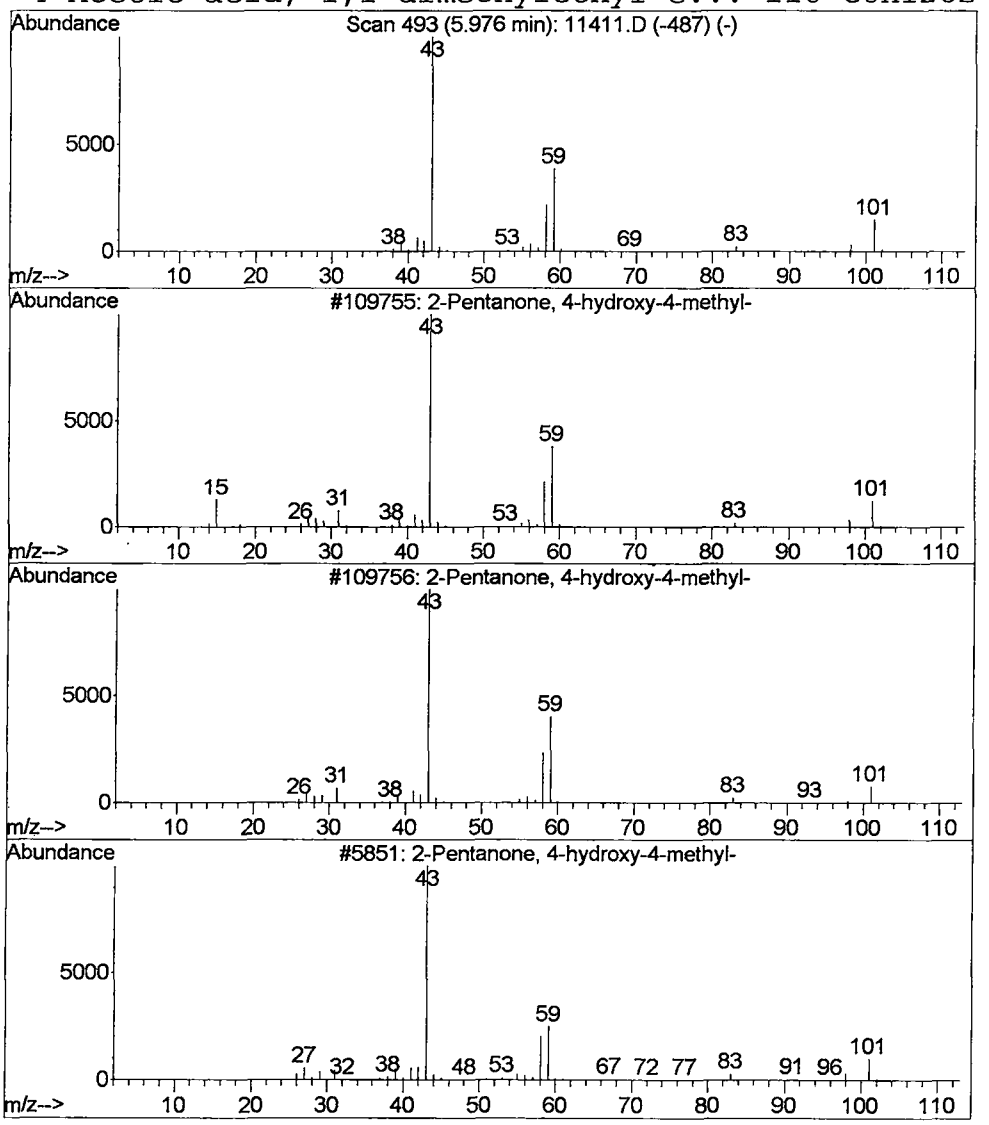
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

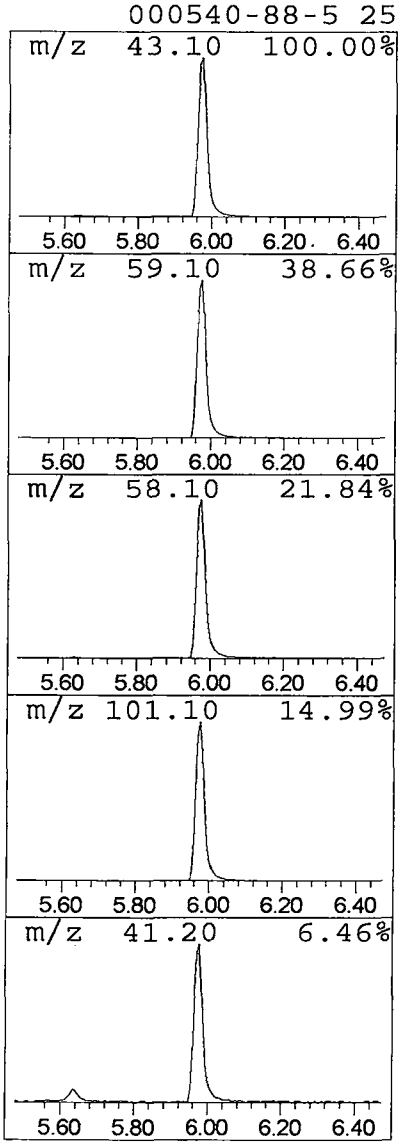
**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.98 | 16.44 ug/L | 14800800 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 90 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 78 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 4 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 25 |



Data File : C:\MSDCHEM\1\DATA\051702\11411.D  Vial: 20
Acq On : 18 May 2002 5:05 am  Operator: Mclean
Sample : 5/15 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

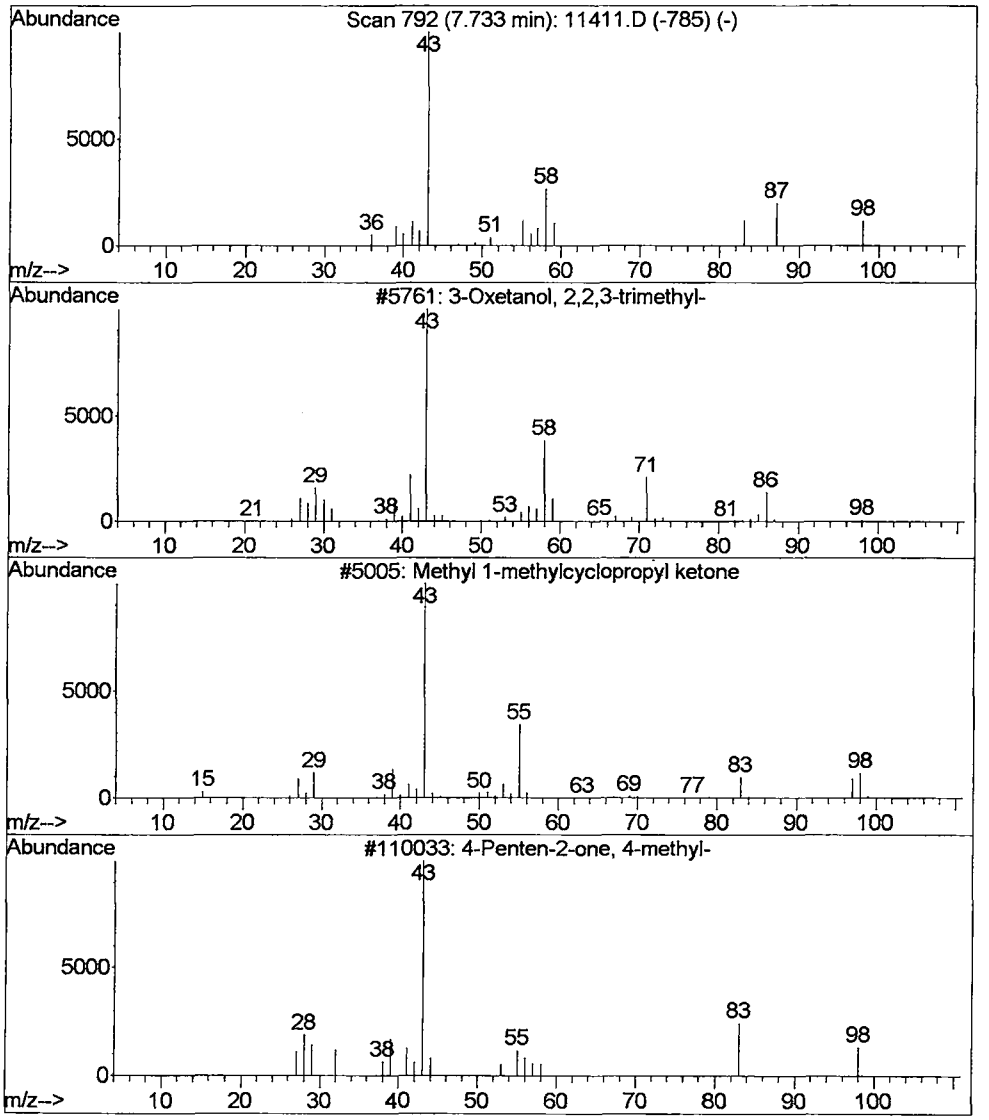
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

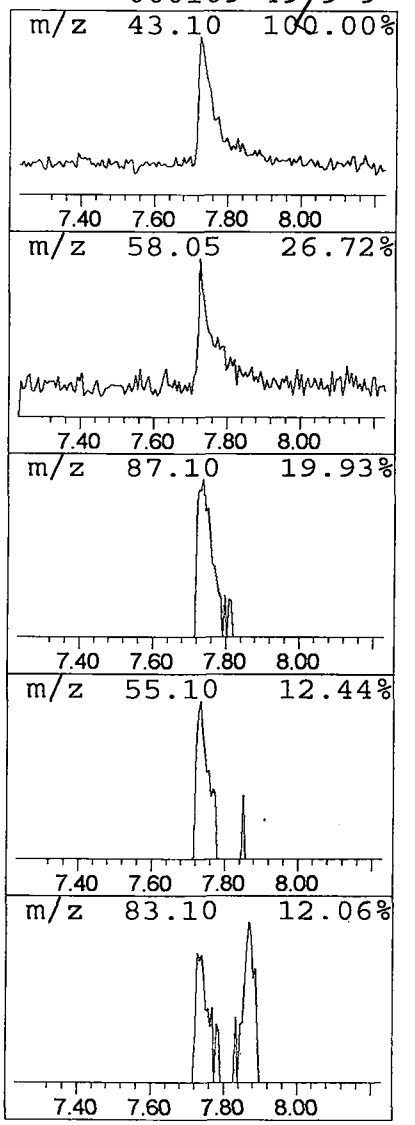
**********

Peak Number 4 3-Oxetanol, 2,2,3-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.73 | 0.27 ug/L | 245374 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Oxetanol, 2,2,3-trimethyl- | 116 | C6H12O2 | 025910-96-7 | 25 |
| 2 | Methyl 1-methylcyclopropyl ketone | 98 | C6H10O | 001567-75-5 | 16 |
| 3 | 4-Penten-2-one, 4-methyl- | 98 | C6H10O | 003744-02-3 | 10 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



Data File : C:\MSDCHEM\1\DATA\051702\11411.D Vial: 20
Acq On : 18 May 2002 5:05 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

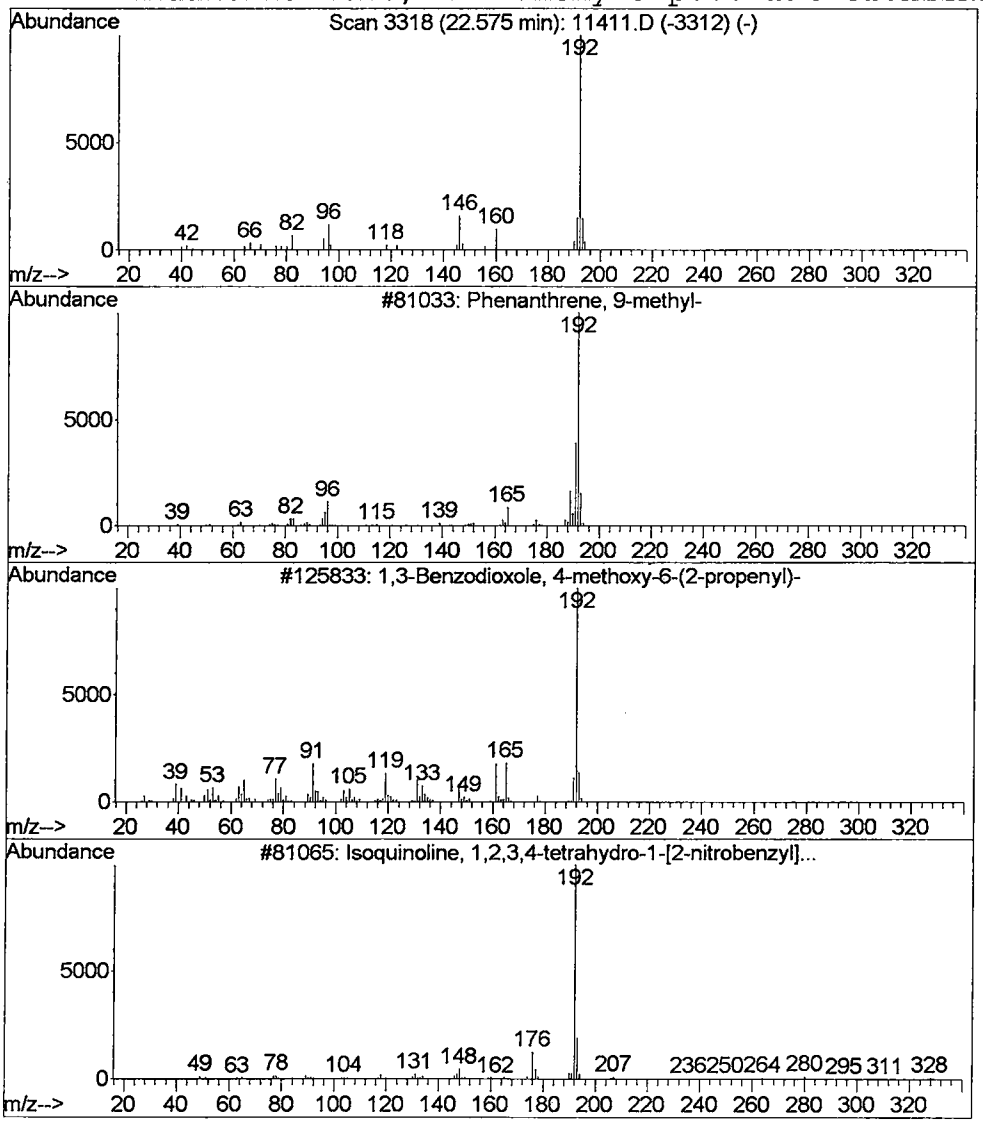
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

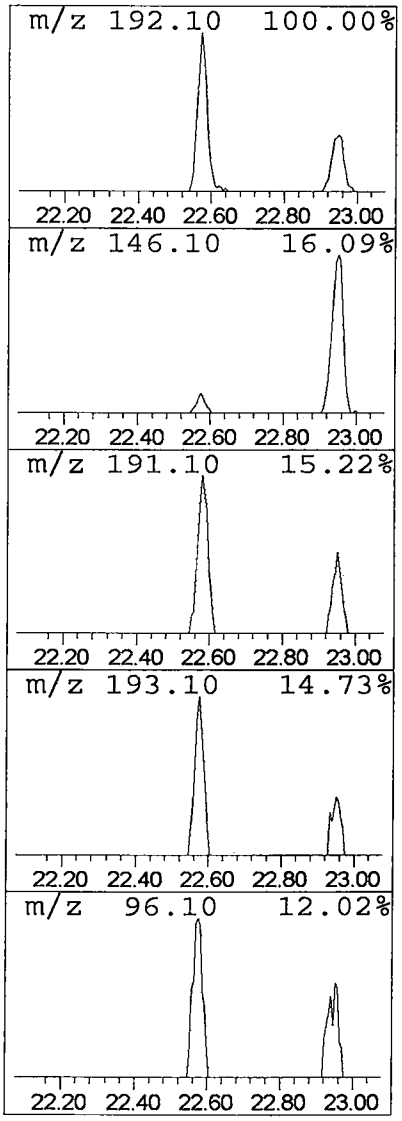
**********

Peak Number 5 Phenanthrene, 9-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.58 | 0.28 ug/L | 343661 | Phenanthranene-d10 | 22.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 9-methyl- | 192 | C15H12 | 000883-20-5 | 59 |
| 2 | 1,3-Benzodioxole, 4-methoxy-6-(2... | 192 | C11H12O3 | 000607-91-0 | 42 |
| 3 | Isoquinoline, 1,2,3,4-tetrahydro... | 328 | C18H20N2O4 | 1000128-79-2 | 42 |
| 4 | 2-Imidazolidinone, 1-methoxy-3-p... | 192 | C10H12N2O2 | 052420-43-6 | 38 |



Data File : C:\MSDCHEM\1\DATA\051702\11411.D  Vial: 20
Acq On : 18 May 2002 5:05 am  Operator: Mclean
Sample : 5/15 eh  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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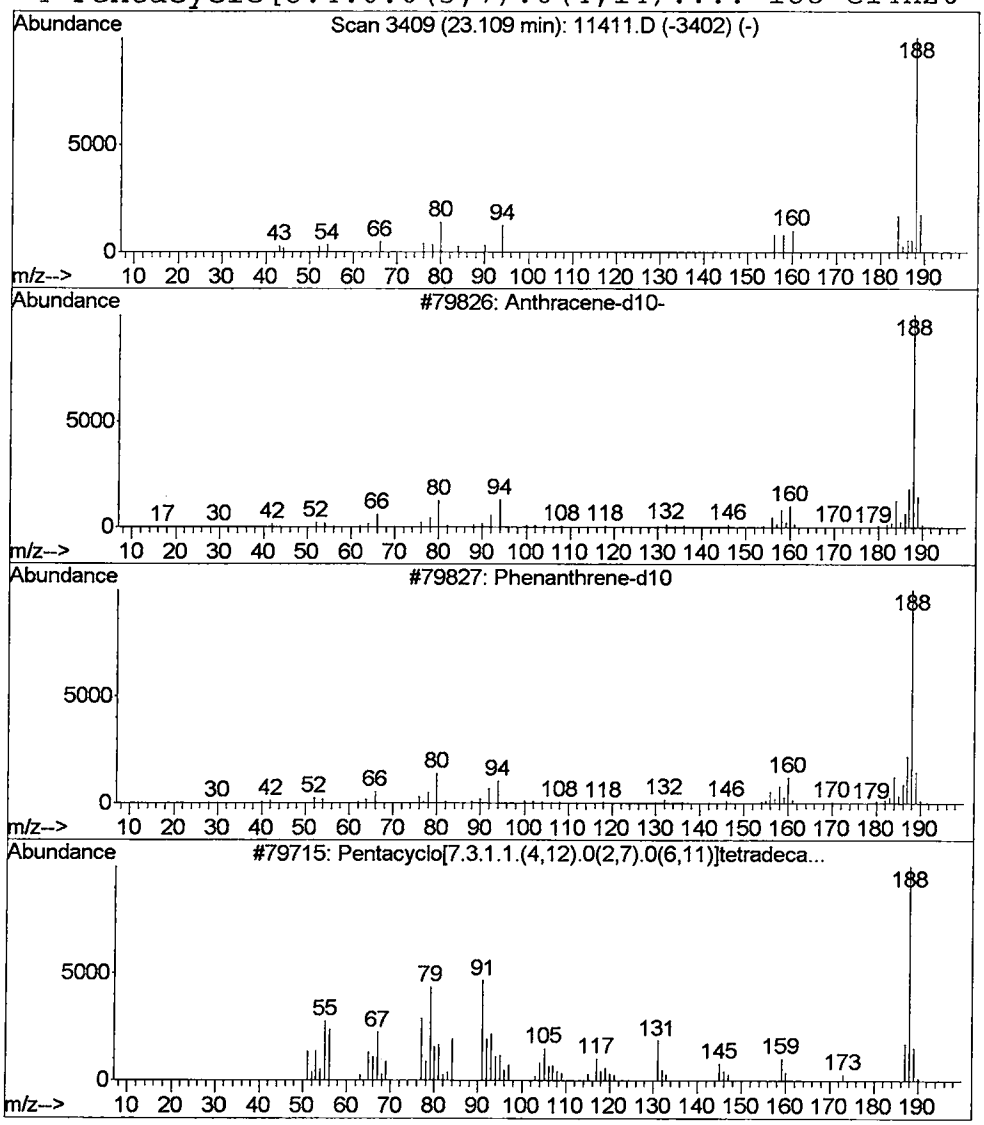
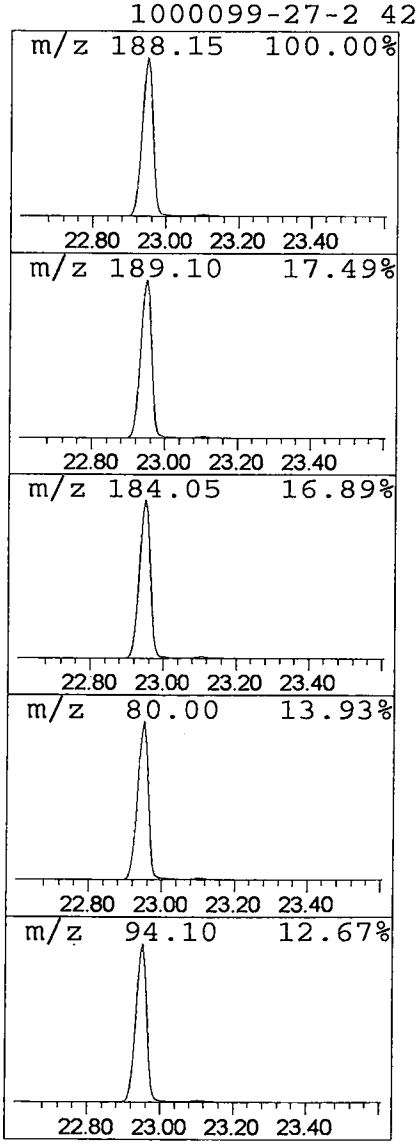
Peak Number 6 Anthracene-d10- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.11 | 0.48 ug/L | 596916 | Phenanthranene-d10 | 22.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 90 |
| 2 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 56 |
| 3 | Pentacyclo[7.3.1.1.(4,12).0(2,7)... | 188 | C14H20 | 1000215-61-8 | 45 |
| 4 | Pentacyclo[8.4.0.0(3,7).0(4,14).... | 188 | C14H20 | 1000099-27-2 | 42 |



Tentatively Identified Compound (LSC) summary

Operator ID: Mclean  Date Acquired: 18 May 2002  5:05 am
Data File: C:\MSDCHEM\1\DATA\051702\11411.D
Name: 5/15 eh
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard Conc |
|---|---|---|---|---|---|---|---|---|
| 3-Buten-2-ol, 2-m... | 4.95 | 0.3 | ug/L | 257707 | 1 | 9.94 | 36008500 | 40.0 |
| 1-Trifluoroacetox... | 5.64 | 0.3 | ug/L | 298303 | 1 | 9.94 | 36008500 | 40.0 |
| 2-Pentanone, 4-hy... | 5.98 | 16.4 | ug/L | 14800800 | 1 | 9.94 | 36008500 | 40.0 |
| 3-Oxetanol, 2,2,3... | 7.73 | 0.3 | ug/L | 245374 | 1 | 9.94 | 36008500 | 40.0 |
| Phenanthrene, 9-m... | 22.58 | 0.3 | ug/L | 343661 | 4 | 22.95 | 49568300 | 40.0 |
| Anthracene-d10- | 23.11 | 0.5 | ug/L | 596916 | 4 | 22.95 | 49568300 | 40.0 |