User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/04/2002 Time: 10:54:33

Sample: AE12473
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/4/02 10:54 Ended: 6/4/02 10:54 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 93 | | 10.0 |

**Comments for Sample AE12473 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-04-2002 Time: 10:54:59

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.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052802\12473.D Vial: 11
Acq On : 28 May 2002 10:26 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:42:05 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 29 08:47:01 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.90 | 152 | 4131704 | 40.00 | ug/L | 0.00 |
| 10) Napthalene-d8 | 13.39 | 136 | 16531165 | 40.00 | ug/L | -0.02 |
| 17) Acenapthalene-d10 | 18.53 | 164 | 9163946 | 40.00 | ug/L | -0.01 |
| 29) Phenanthranene-d10 | 22.91 | 188 | 13746491 | 40.00 | ug/L | -0.01 |
| 37) Chrysene-d12 | 30.76 | 240 | 7940764 | 40.00 | ug/L | -0.05 |
| 43) Perylene-d12 | 34.65 | 264 | 4031080 | 40.00 | ug/L | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 27) TCMX | 20.50 | 209 | 1966909 | 37.25 | ug/L | -0.01 |
| Spiked Amount 40.000 | | | Recovery = 93.13% | | | |
| **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 | 20.50 | 77 | 32873 | N.D. | | |
| 30) Nnitrosodiphenylamine | 20.50 | 169 | 40211 | 0.29 | ug/L # | 61 |
| 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

Data File : C:\MSDCHEM\1\DATA\052802\12473.D Vial: 11
Acq On : 28 May 2002 10:26 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:42:05 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 29 08:47:01 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

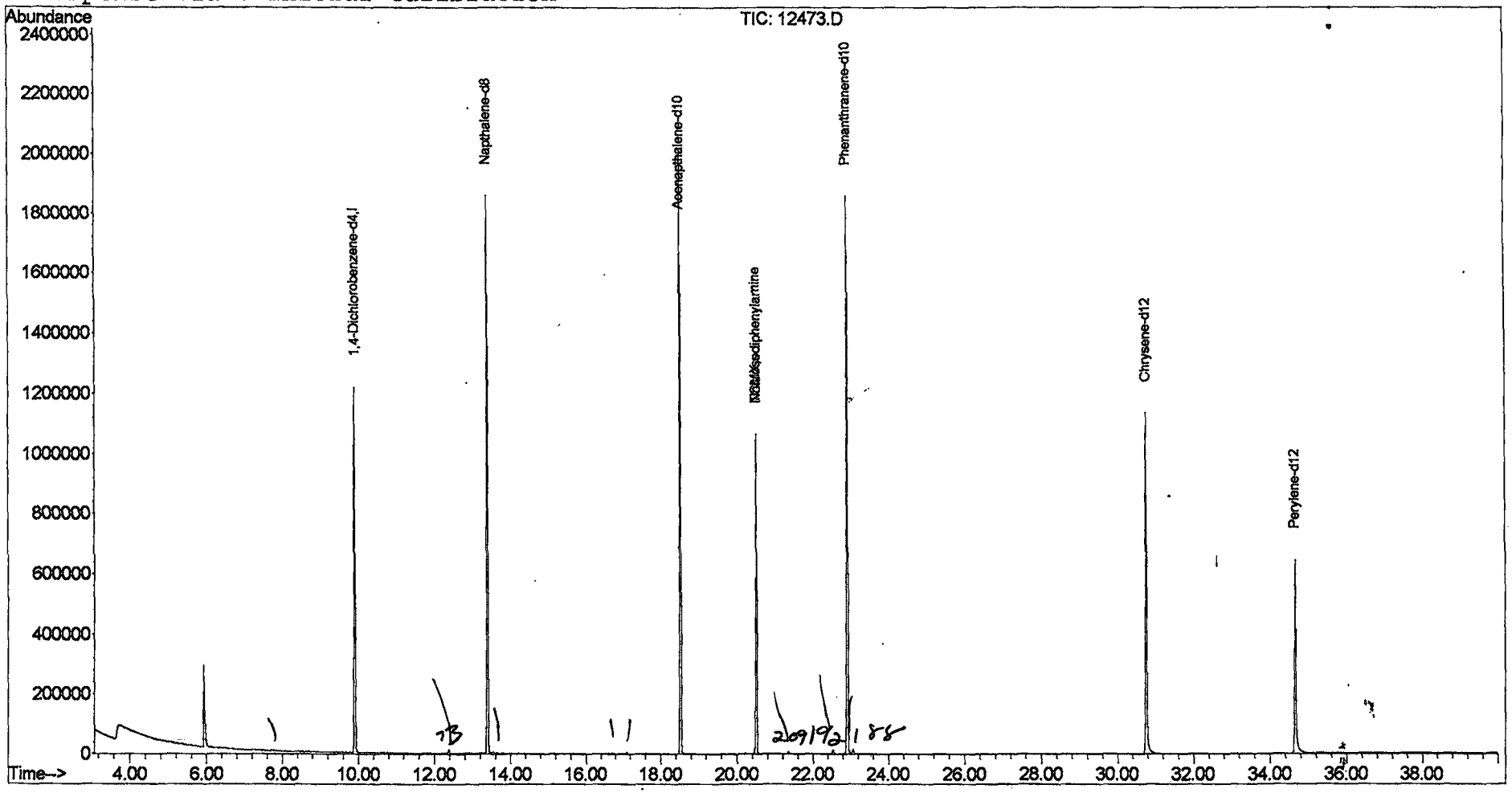
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 36) | Fluoroanthene | 0.00 | 202 | 0 | N.D. | |
| 38) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 39) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 40) | Benzo(a)anthracene | 0.00 | 228 | 0 | N.D. | |
| 41) | 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\052802\12473.D Vial: 11
Acq On : 28 May 2002 10:26 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:42 2002 Quant Results File: 052202.RES

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 29 08:47:01 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052802\12473.D
Acq On : 28 May 2002 10:26 pm
Sample : 5/24 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 11
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

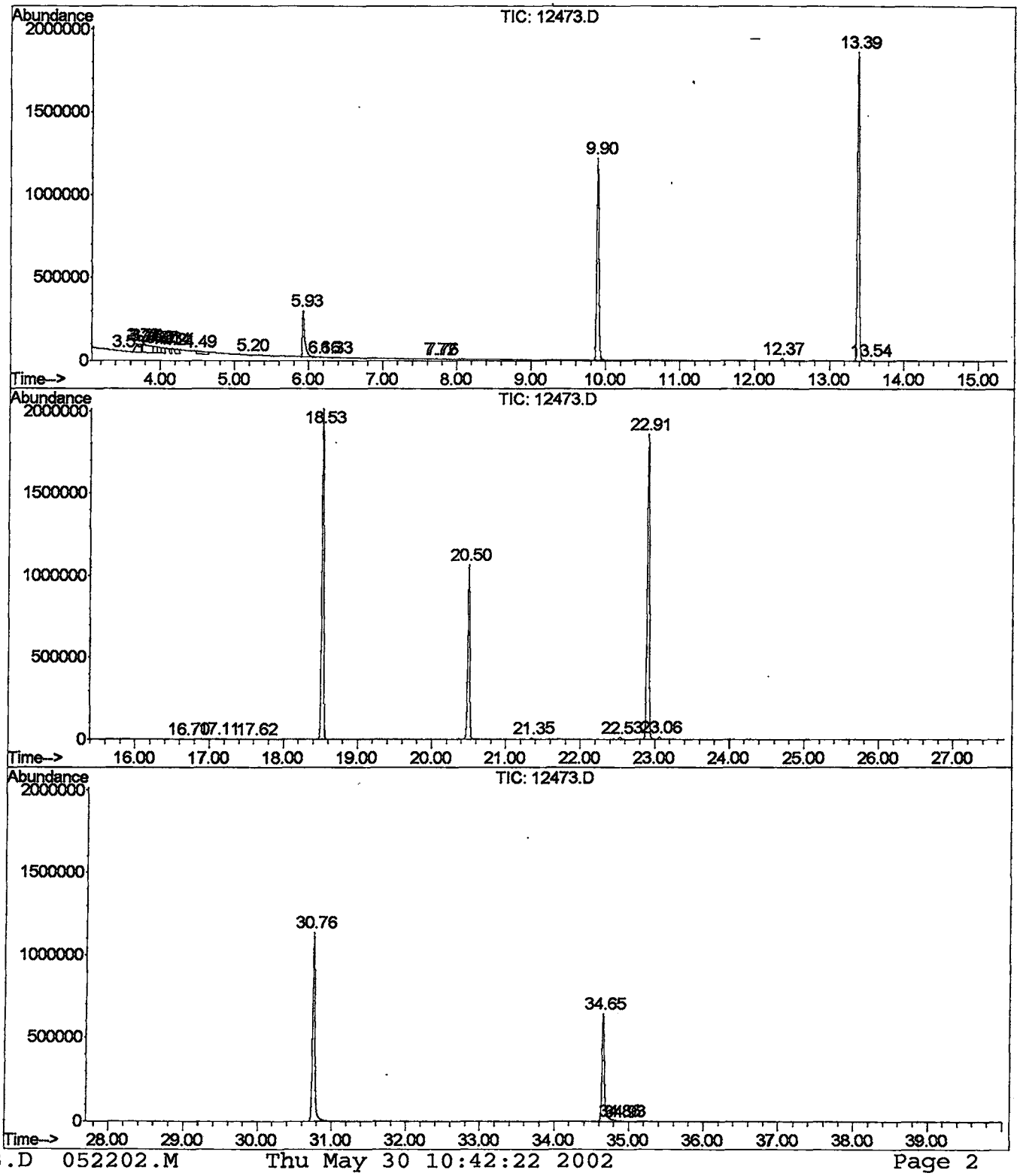
Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.526 | 75 | 76 | 78 | PV 2 | 2116 | 14009 | 0.04% | 0.007% |
| 2 | 3.720 | 92 | 109 | 114 | PV 3 | 47317 | 2342007 | 6.27% | 1.103% |
| 3 | 3.755 | 114 | 115 | 117 | VV 2 | 45836 | 469945 | 1.26% | 0.221% |
| 4 | 3.779 | 117 | 119 | 141 | VV 4 | 46625 | 3512773 | 9.40% | 1.655% |
| 5 | 3.914 | 141 | 142 | 151 | VV 7 | 38717 | 1290456 | 3.45% | 0.608% |
| 6 | 3.972 | 151 | 152 | 160 | VV 5 | 35463 | 1166795 | 3.12% | 0.550% |
| 7 | 4.031 | 160 | 162 | 169 | VV 5 | 32220 | 898666 | 2.40% | 0.423% |
| 8 | 4.137 | 179 | 180 | 184 | VV 4 | 29542 | 493402 | 1.32% | 0.232% |
| 9 | 4.213 | 191 | 193 | 202 | VV 6 | 26454 | 975837 | 2.61% | 0.460% |
| 10 | 4.495 | 239 | 241 | 266 | VV 8 | 17488 | 1445284 | 3.87% | 0.681% |
| 11 | 5.200 | 359 | 361 | 369 | VV 6 | 4948 | 129147 | 0.35% | 0.061% |
| 12 | 5.929 | 480 | 485 | 513 | VV | 274523 | 6174100 | 16.52% | 2.908% |
| 13 | 6.164 | 523 | 525 | 534 | VV 6 | 2594 | 64601 | 0.17% | 0.030% |
| 14 | 6.329 | 551 | 553 | 560 | PV 5 | 1848 | 27106 | 0.07% | 0.013% |
| 15 | 7.721 | 785 | 790 | 795 | PV 6 | 3046 | 66316 | 0.18% | 0.031% |
| 16 | 7.756 | 795 | 796 | 808 | VV 5 | 2085 | 55141 | 0.15% | 0.026% |
| 17 | 9.895 | 1151 | 1160 | 1186 | PV | 1203477 | 24626834 | 65.89% | 11.599% |
| 18 | 12.375 | 1575 | 1582 | 1589 | PV | 13118 | 215329 | 0.58% | 0.101% |
| 19 | 13.391 | 1746 | 1755 | 1771 | VV | 1858856 | 33558181 | 89.79% | 15.806% |
| 20 | 13.544 | 1777 | 1781 | 1791 | VV | 4703 | 89801 | 0.24% | 0.042% |
| 21 | 16.705 | 2312 | 2319 | 2323 | PV 4 | 2419 | 36105 | 0.10% | 0.017% |
| 22 | 17.110 | 2381 | 2388 | 2394 | VV 3 | 5517 | 88237 | 0.24% | 0.042% |
| 23 | 17.621 | 2464 | 2475 | 2480 | VV 5 | 2628 | 44872 | 0.12% | 0.021% |
| 24 | 18.526 | 2619 | 2629 | 2646 | PV | 2010740 | 37376006 | 100.00% | 17.604% |
| 25 | 20.500 | 2952 | 2965 | 2978 | VV | 1043347 | 19558155 | 52.33% | 9.212% |
| 26 | 21.352 | 3105 | 3110 | 3120 | PV 2 | 8327 | 119944 | 0.32% | 0.056% |
| 27 | 22.533 | 3304 | 3311 | 3319 | PV 2 | 12052 | 224763 | 0.60% | 0.106% |
| 28 | 22.909 | 3361 | 3375 | 3391 | PV 2 | 1846606 | 37201292 | 99.53% | 17.522% |
| 29 | 23.062 | 3391 | 3401 | 3418 | VV 2 | 13572 | 266976 | 0.71% | 0.126% |
| 30 | 30.753 | 4696 | 4710 | 4752 | BV 2 | 1119251 | 24593154 | 65.80% | 11.583% |
| 31 | 34.655 | 5356 | 5374 | 5408 | PV 2 | 636414 | 15091871 | 40.38% | 7.108% |
| 32 | 34.860 | 5408 | 5409 | 5419 | VV 5 | 3656 | 86298 | 0.23% | 0.041% |
| 33 | 34.931 | 5419 | 5421 | 5423 | VV 2 | 1556 | 11986 | 0.03% | 0.006% |

Sum of corrected areas: 212315391

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052802\12473.D
Operator : McLean
Acquired : 28 May 2002 10:26 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/24 ad
Misc Info :
Vial Number: 11
Quant File :052202.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

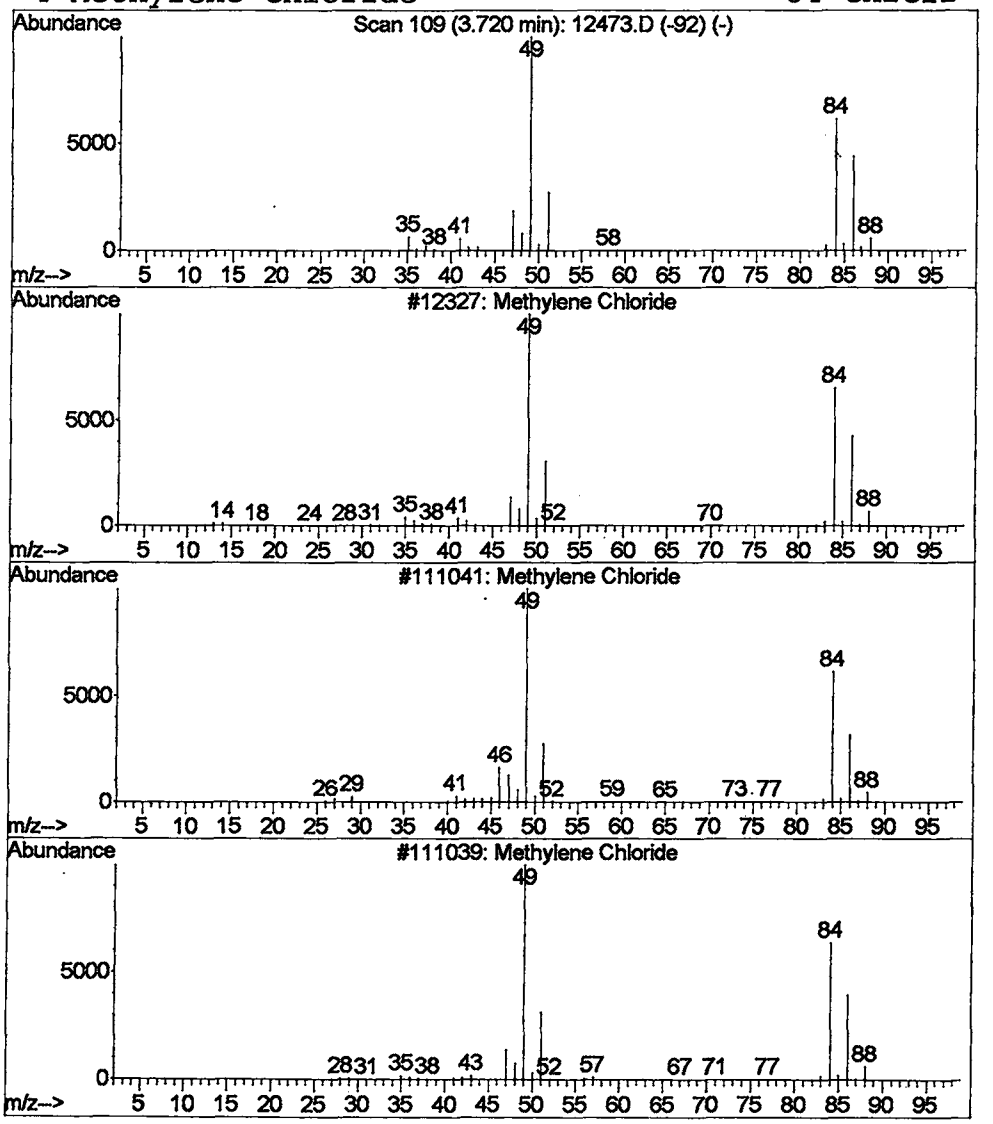
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

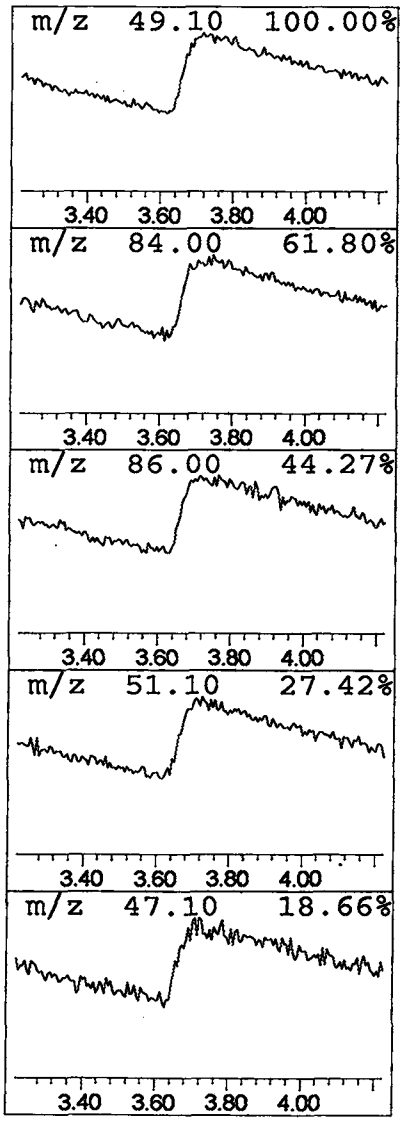
**********

Peak Number 1 Methylene Chloride  Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.72 | 3.80 ug/L | 2342010 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 95 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 94 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 91 |
| 4 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 43 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

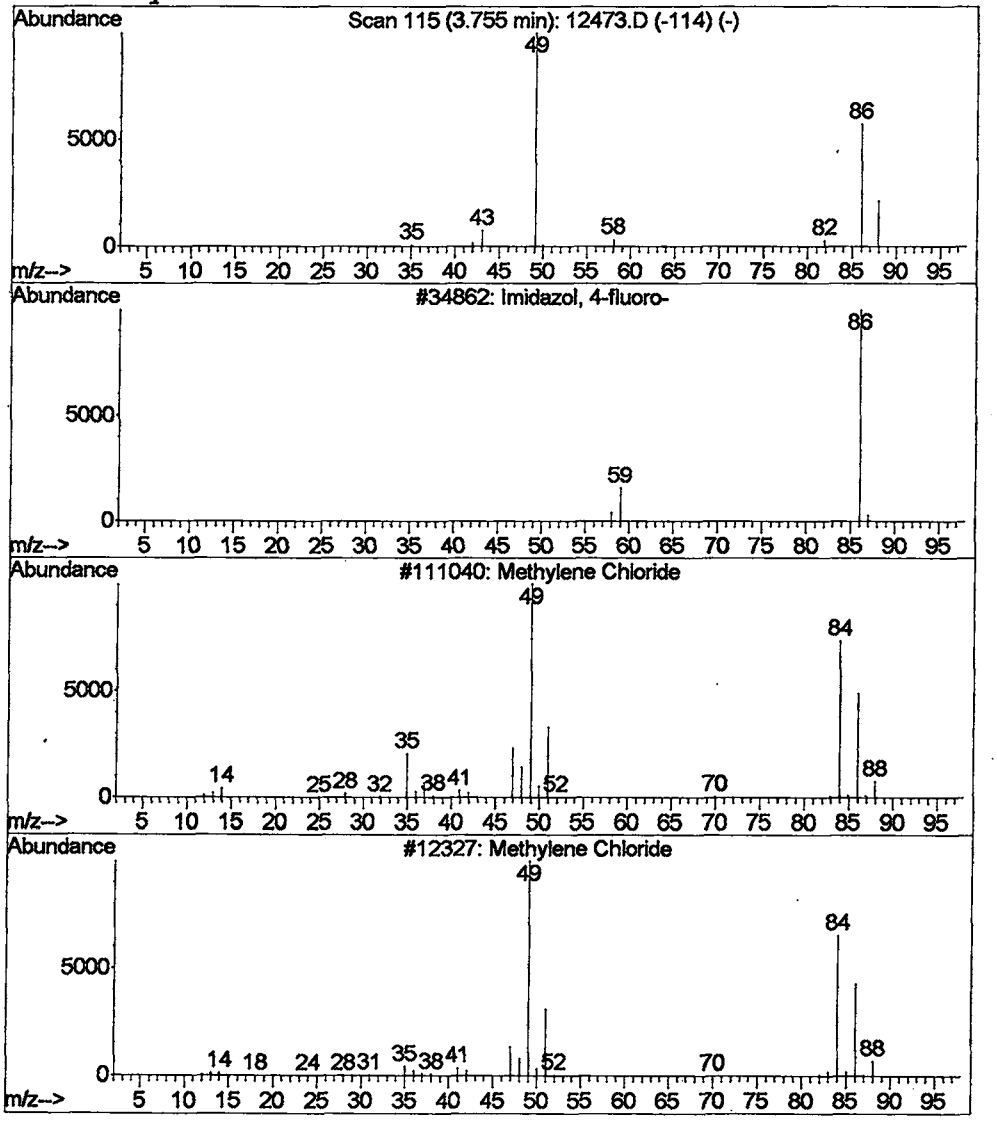
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

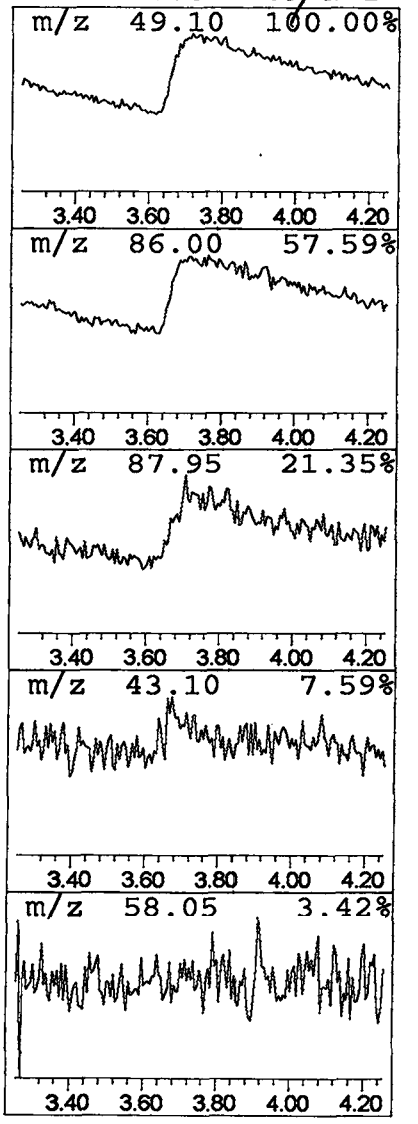
**********

Peak Number 2 Imidazol, 4-fluoro- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.75 | 0.76 ug/L | 469945 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Imidazol, 4-fluoro- | 86 | C3H3FN2 | 030086-17-0 | 4 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 4 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 1 |
| 4 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 1 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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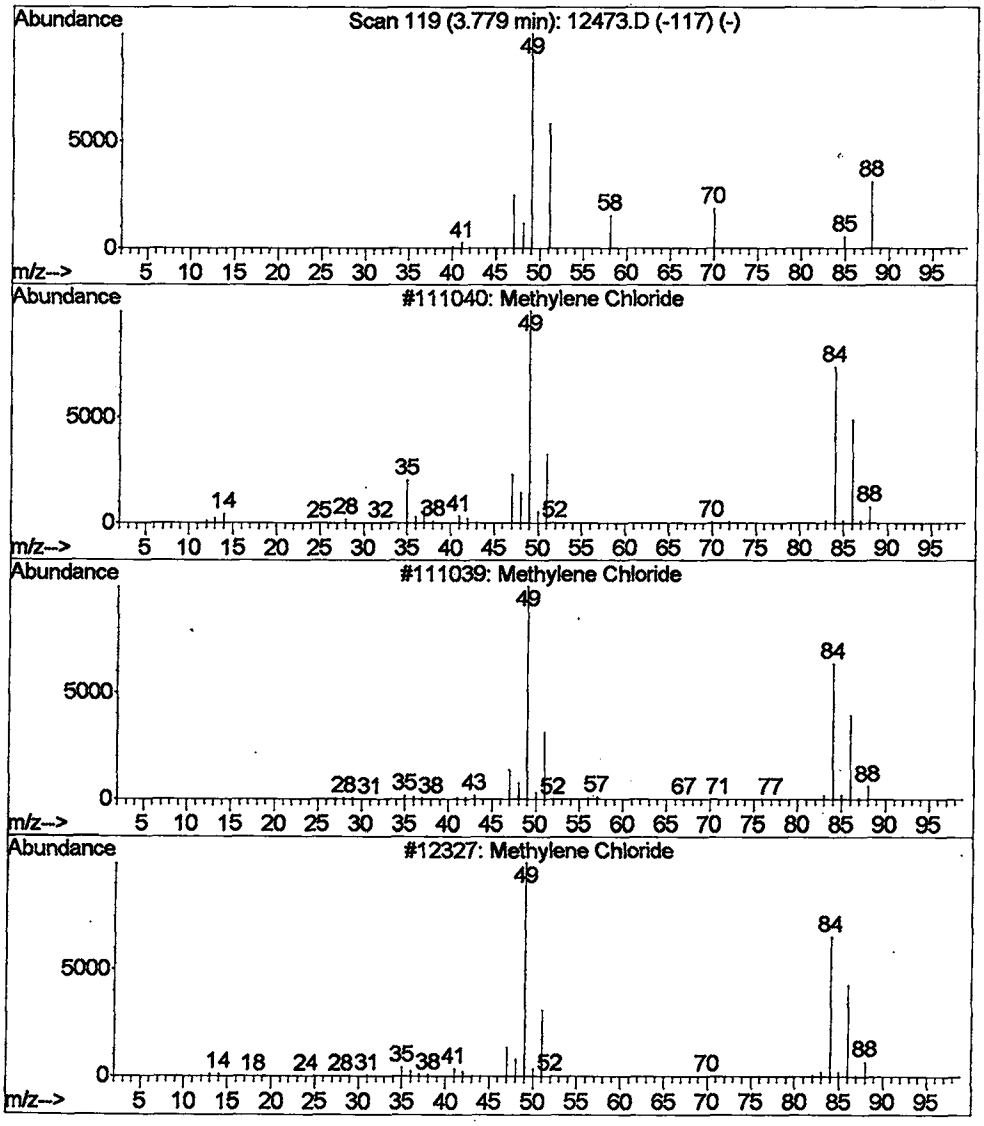
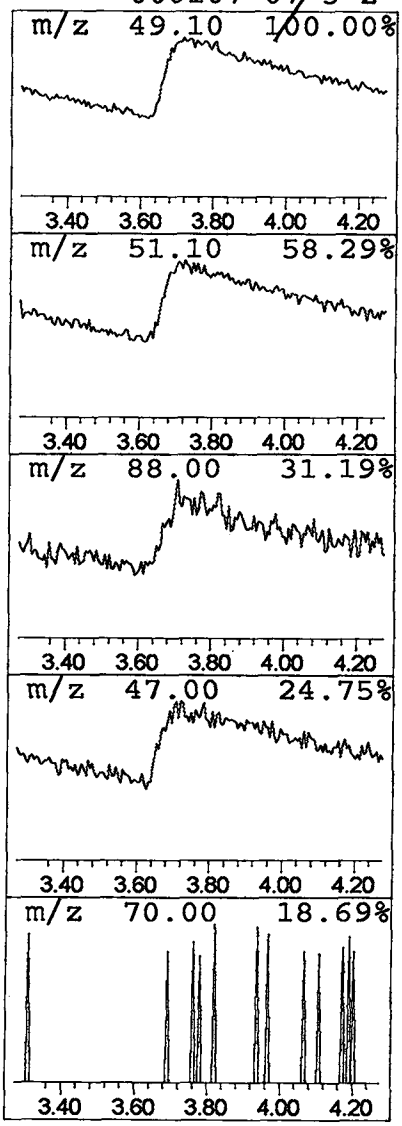
Peak Number 3 Methylene Chloride  Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.78 | 5.71 ug/L | 3512770 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 9 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 9 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 4 |
| 4 | 2-Chloroethanol | 80 | C2H5ClO | 000107-07-3 | 2 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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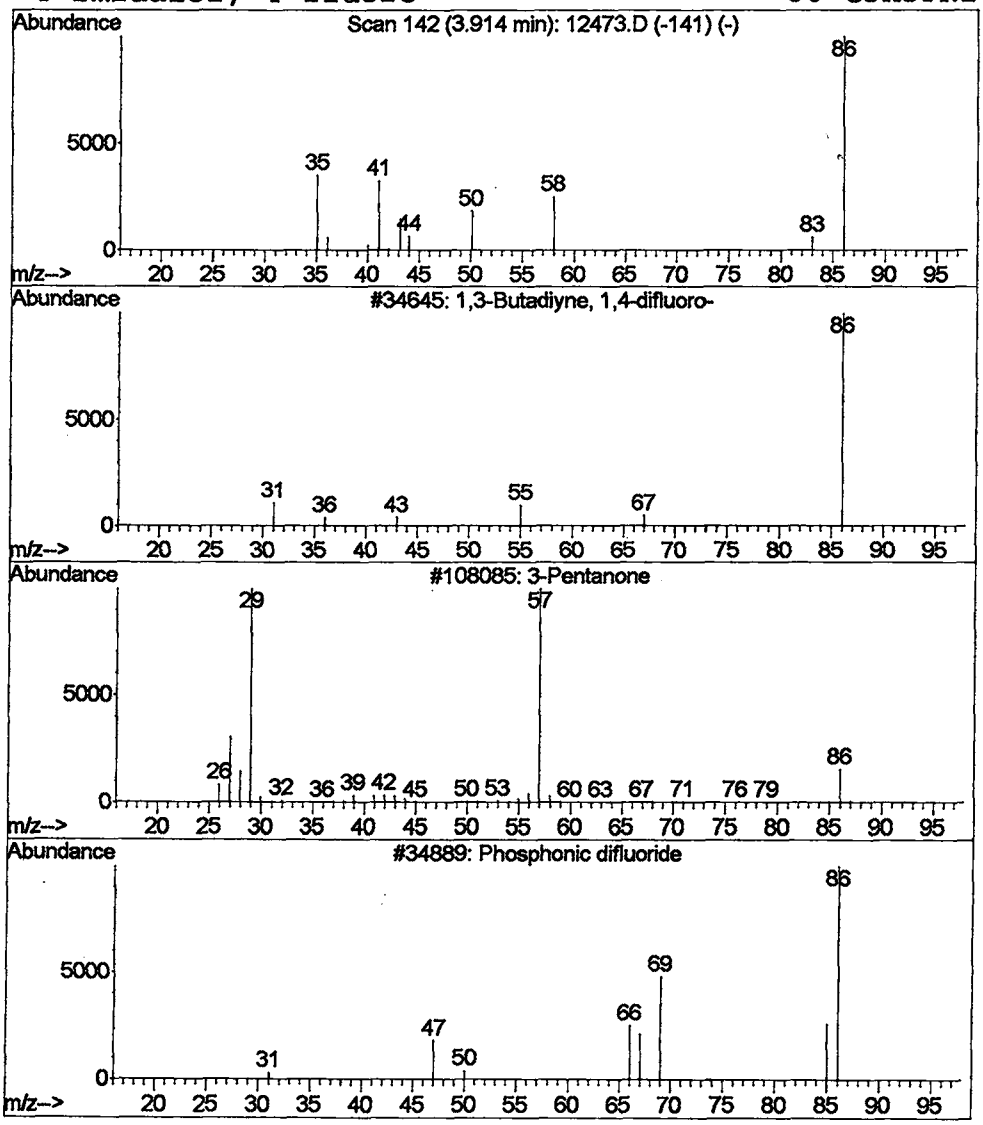
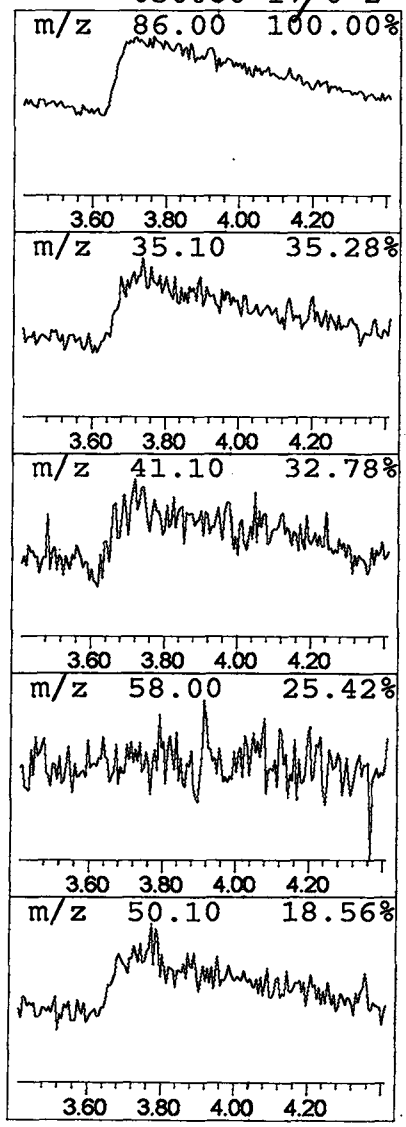
Peak Number 4 1,3-Butadiyne, 1,4-difluoro- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.92 | 2.10 ug/L | 1290460 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Butadiyne, 1,4-difluoro- | 86 | C4F2 | 064788-23-4 | 4 |
| 2 | 3-Pentanone | 86 | C5H10O | 000096-22-0 | 3 |
| 3 | Phosphonic difluoride | 86 | F2HOP | 014939-34-5 | 2 |
| 4 | Imidazol, 4-fluoro- | 86 | C3H3FN2 | 030086-17-0 | 2 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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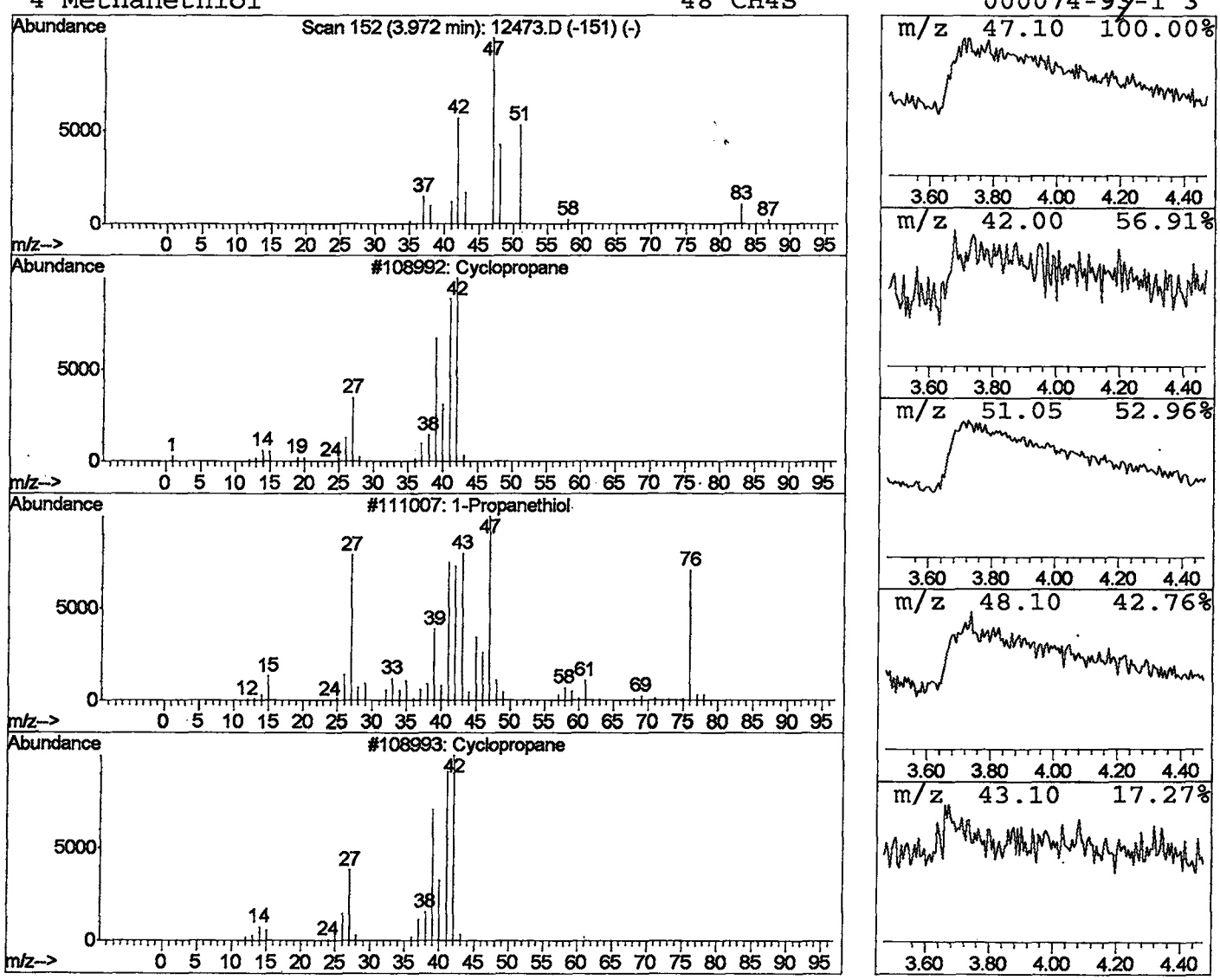
Peak Number 5 Cyclopropane  Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.97 | 1.90 ug/L | 1166800 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 4 |
| 2 | 1-Propanethiol | 76 | C3H8S | 000107-03-9 | 4 |
| 3 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 4 |
| 4 | Methanethiol | 48 | CH4S | 000074-93-1 | 3 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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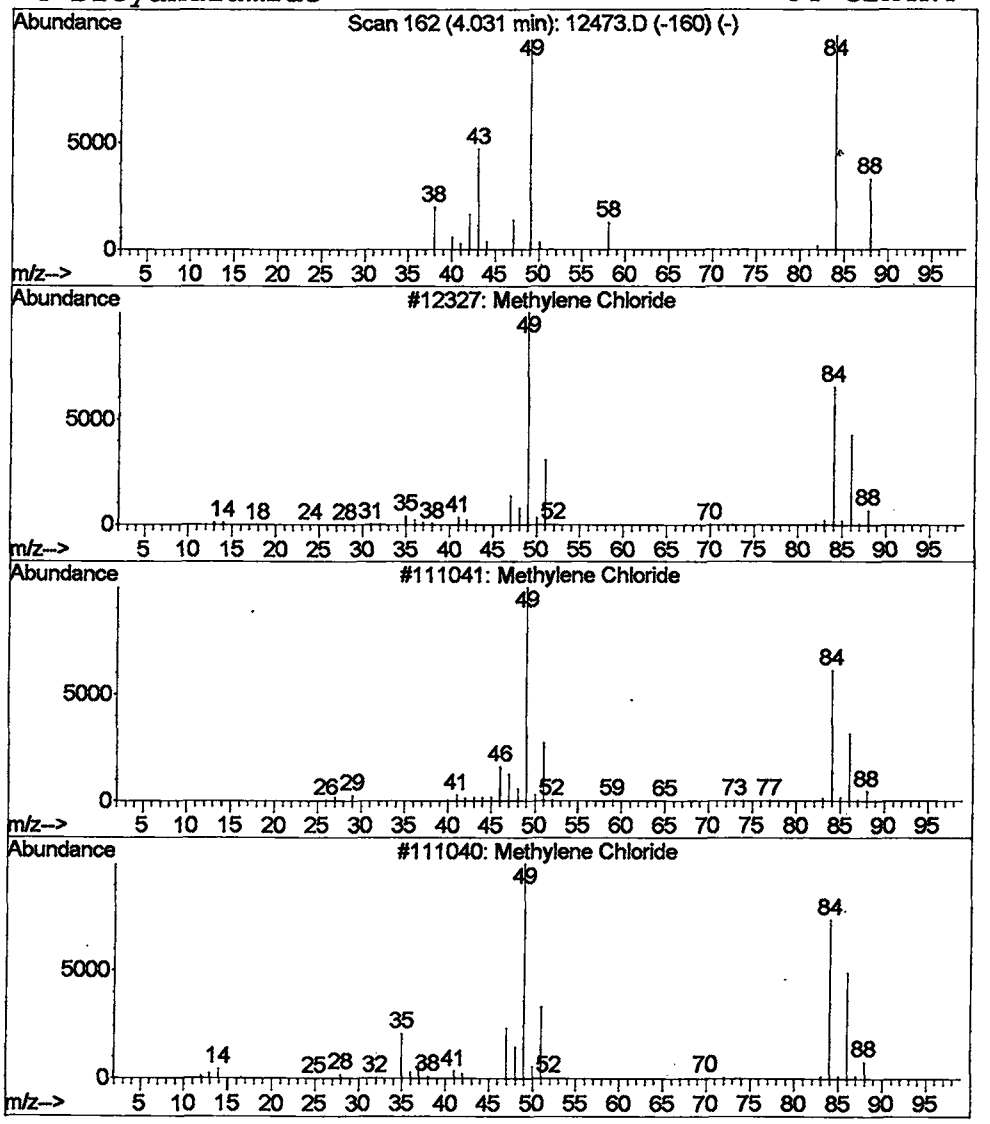
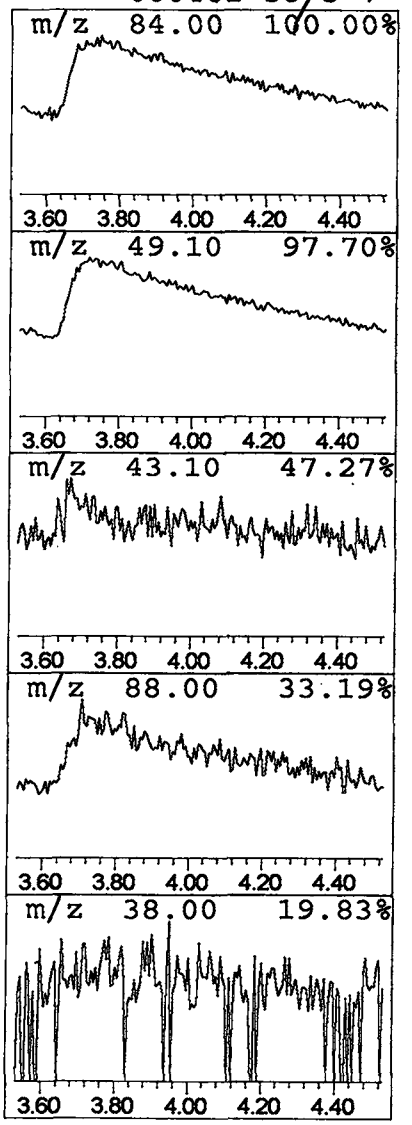
Peak Number 6 Methylene Chloride  Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.03 | 1.46 ug/L | 898666 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 9 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 9 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 7 |
| 4 | Dicyandiamide | 84 | C2H4N4 | 000461-58-5 | 7 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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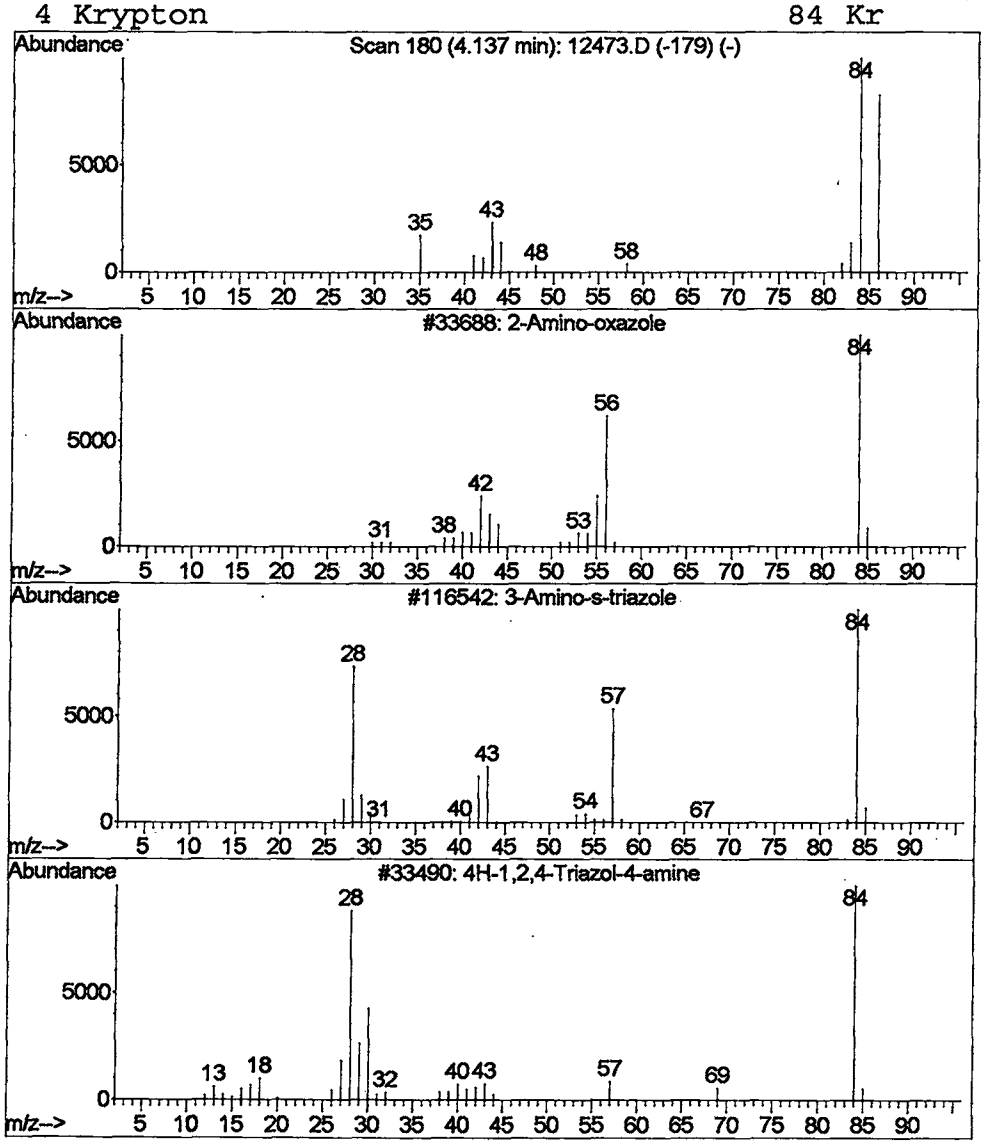
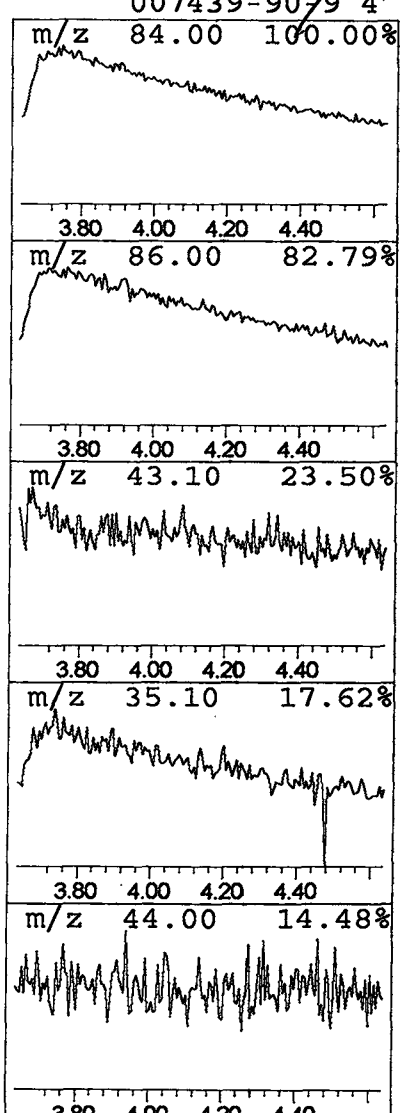
Peak Number 7 2-Amino-oxazole  Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.14 | 0.80 ug/L | 493402 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Amino-oxazole | 84 | C3H4N2O | 1000144-64-0 | 5 |
| 2 | 3-Amino-s-triazole | 84 | C2H4N4 | 000061-82-5 | 5 |
| 3 | 4H-1,2,4-Triazol-4-amine | 84 | C2H4N4 | 000584-13-4 | 5 |
| 4 | Krypton | 84 | Kr | 007439-90-9 | 4 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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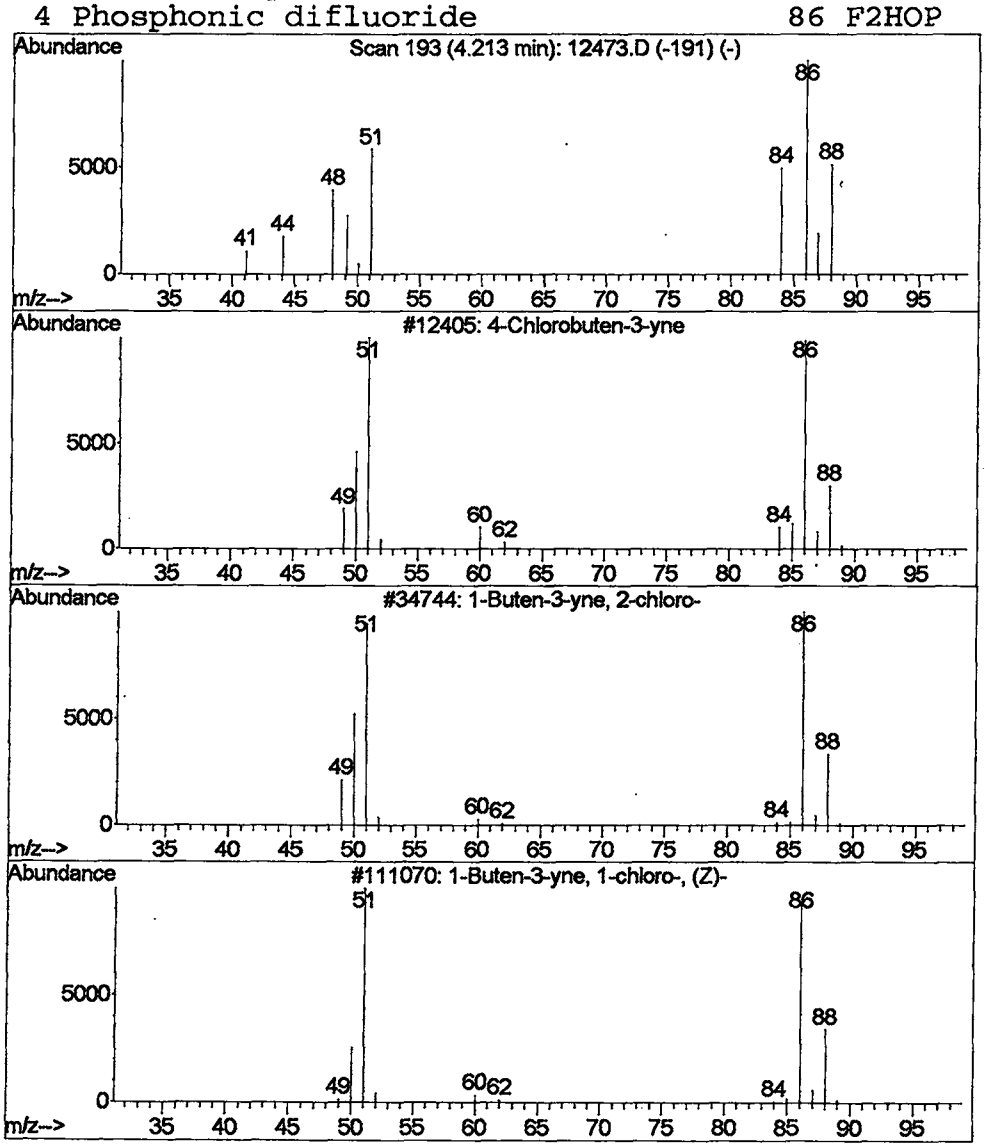
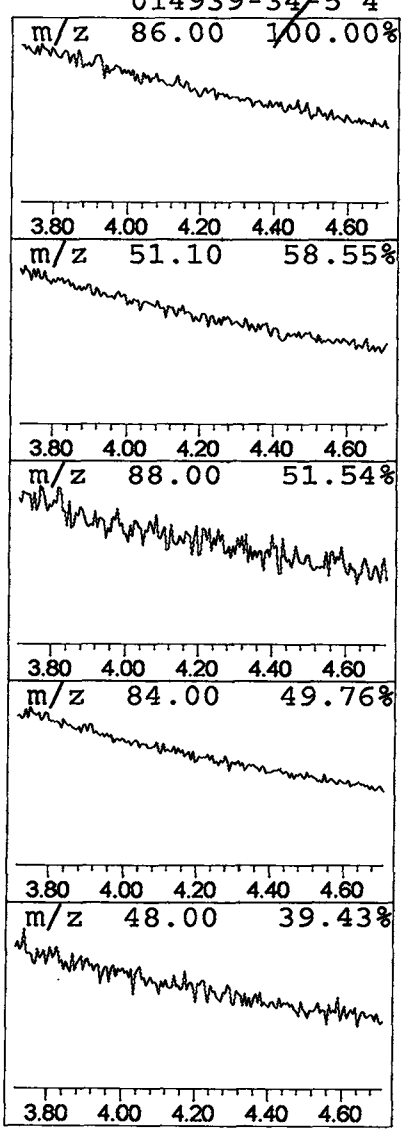
Peak Number 8 4-Chlorobuten-3-yne  Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.21 | 1.59 ug/L | 975837 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chlorobuten-3-yne | 86 | C4H3Cl | 040589-38-6 | 7 |
| 2 | 1-Buten-3-yne, 2-chloro- | 86 | C4H3Cl | 017712-36-6 | 7 |
| 3 | 1-Buten-3-yne, 1-chloro-, (Z)- | 86 | C4H3Cl | 020374-90-7 | 5 |
| 4 | Phosphonic difluoride | 86 | F2HOP | 014939-34-5 | 4 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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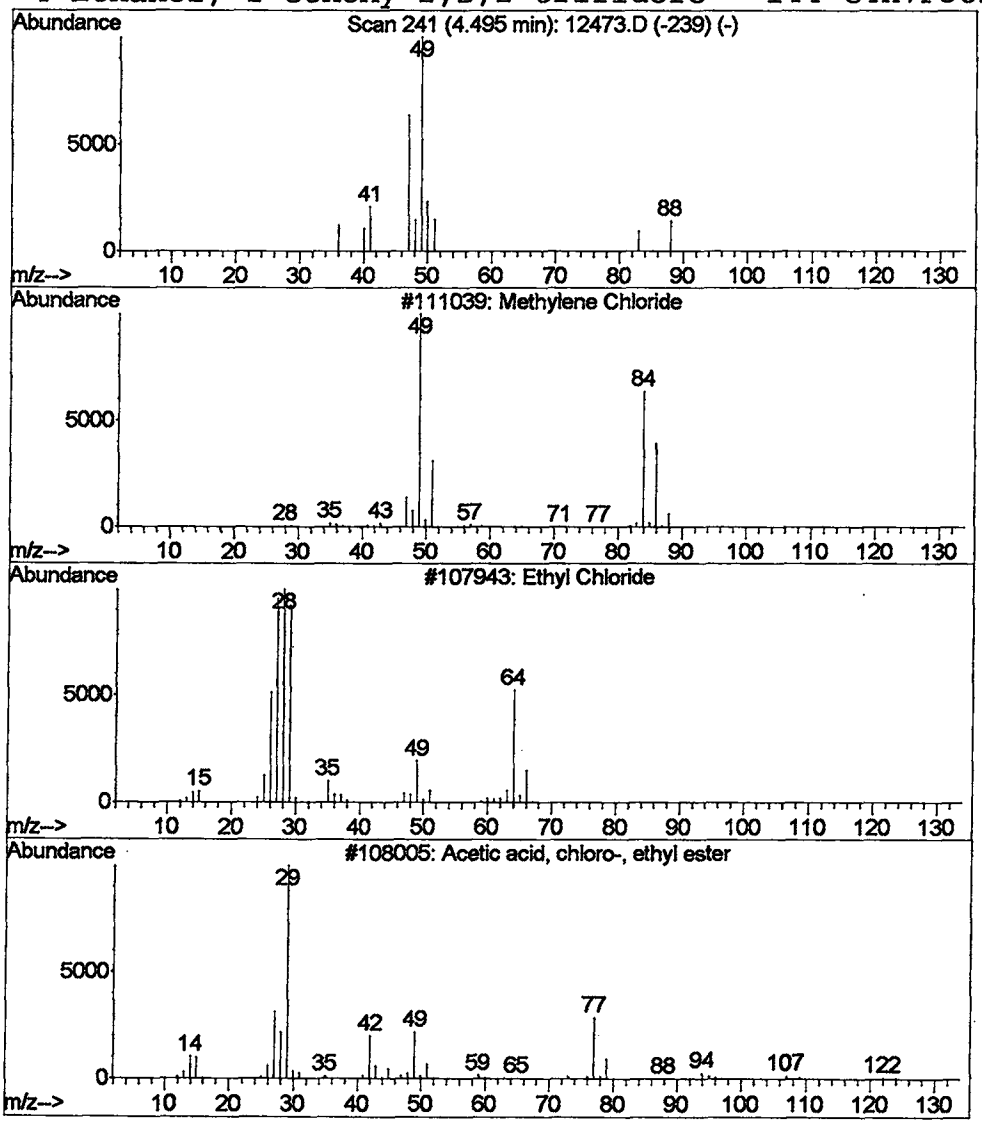
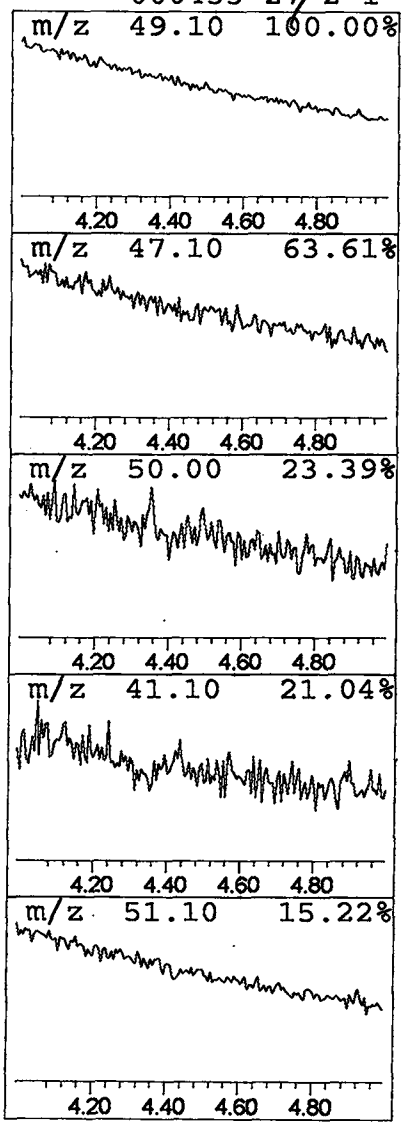
Peak Number 9 Methylene Chloride  Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.49 | 2.35 ug/L | 1445280 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 2 |
| 2 | Ethyl Chloride | 64 | C2H5Cl | 000075-00-3 | 2 |
| 3 | Acetic acid, chloro-, ethyl ester | 122 | C4H7ClO2 | 000105-39-5 | 2 |
| 4 | Ethanol, 1-ethoxy-2,2,2-trifluoro- | 144 | C4H7F3O2 | 000433-27-2 | 1 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D
Acq On : 28 May 2002 10:26 pm
Sample : 5/24 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 11
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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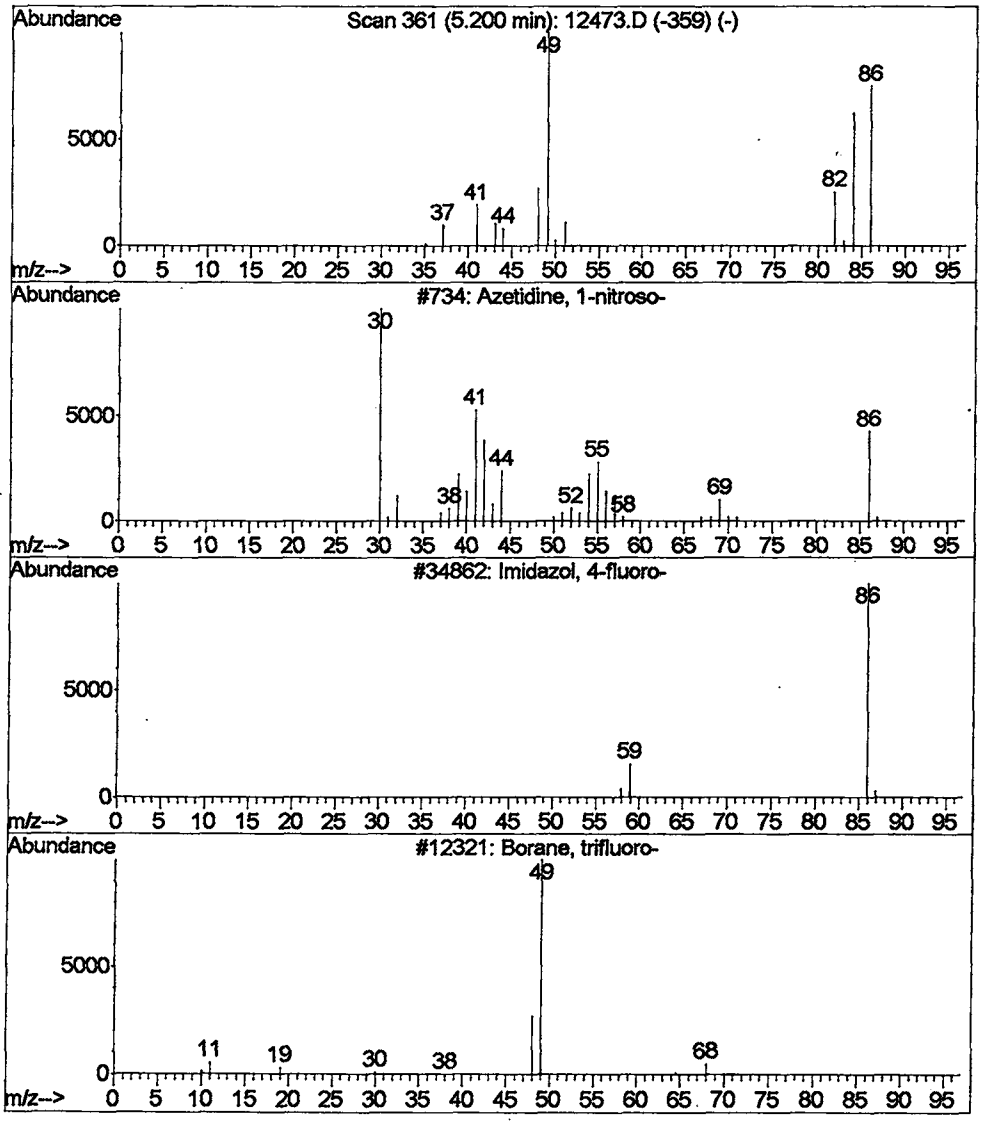
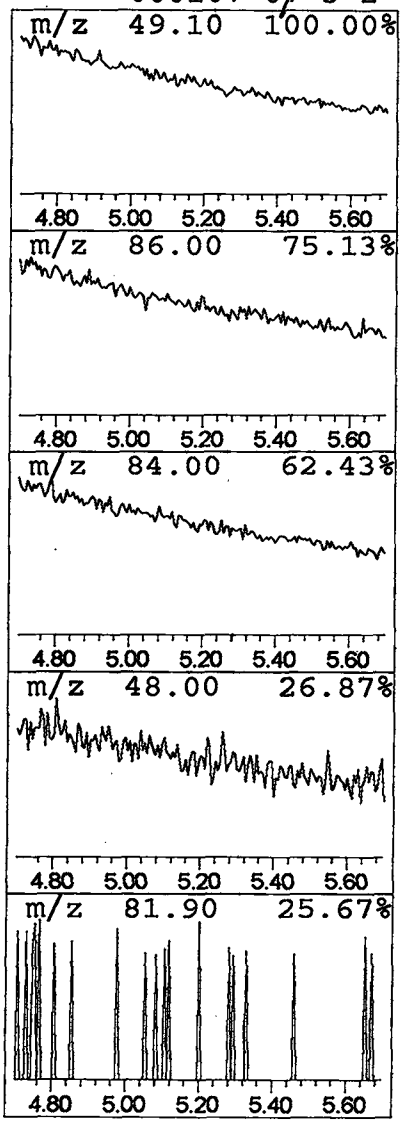
Peak Number 10 Azetidine, 1-nitroso- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.20 | 0.21 ug/L | 129147 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Azetidine, 1-nitroso- | 86 | C3H6N2O | 015216-10-1 | 4 |
| 2 | Imidazol, 4-fluoro- | 86 | C3H3FN2 | 030086-17-0 | 2 |
| 3 | Borane, trifluoro- | 68 | BF3 | 007637-07-2 | 2 |
| 4 | 2-Chloroethanol | 80 | C2H5ClO | 000107-07-3 | 2 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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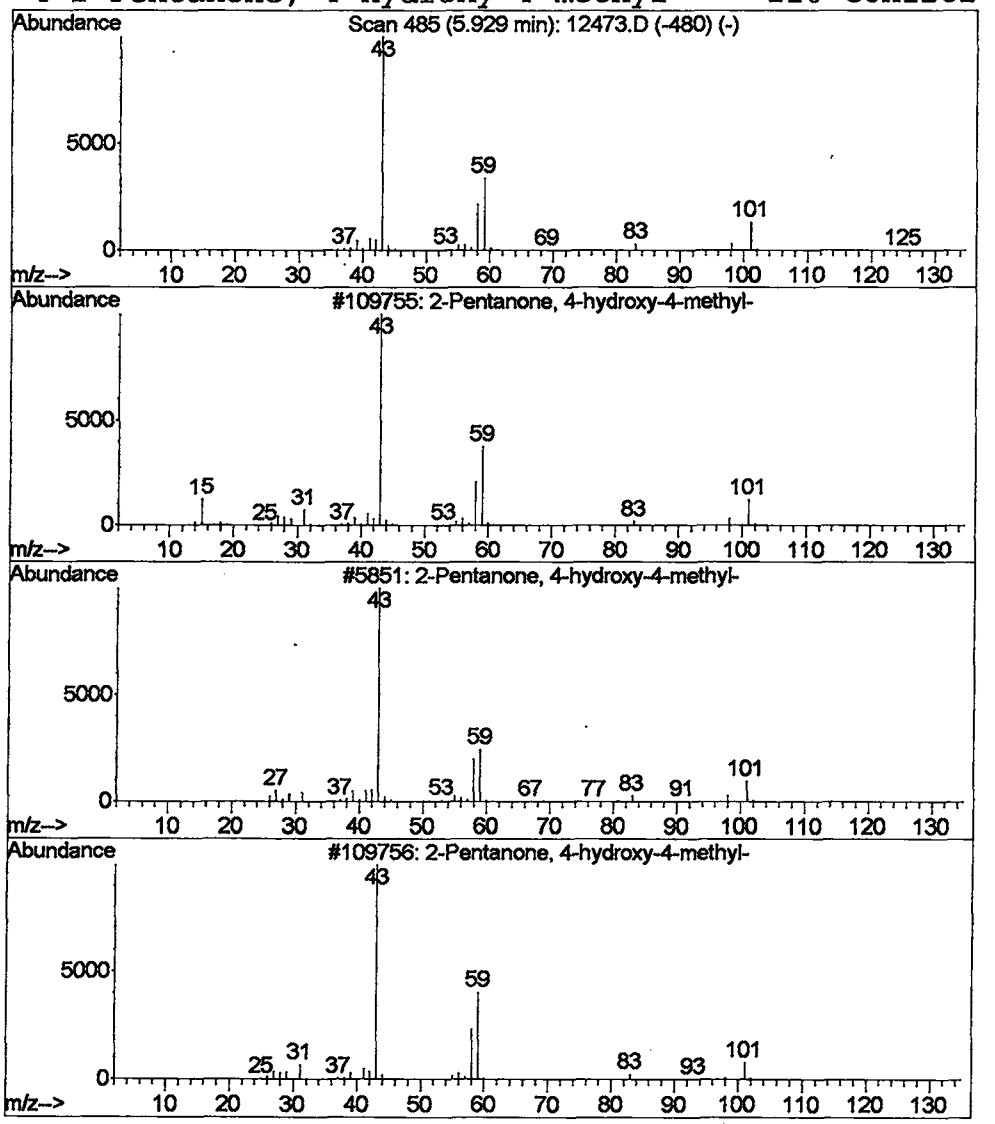
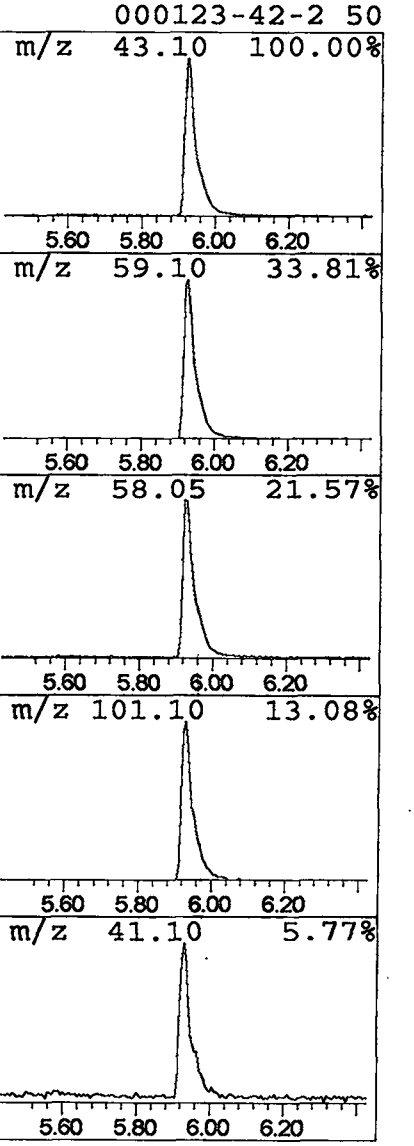
Peak Number 11 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 10.03 ug/L | 6174100 | 1,4-Dichlorobenzene-d4 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 86 |
| 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 | 72 |
| 4 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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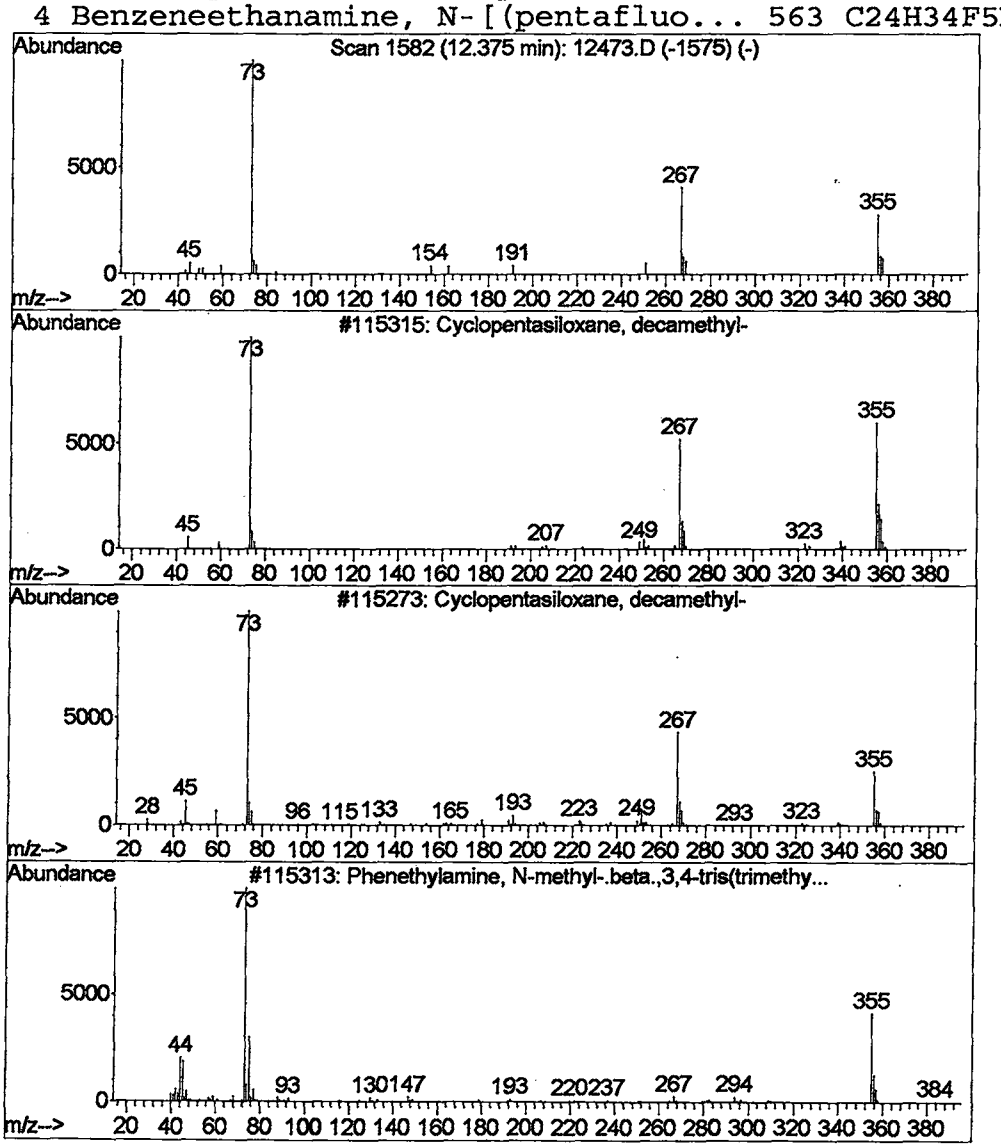
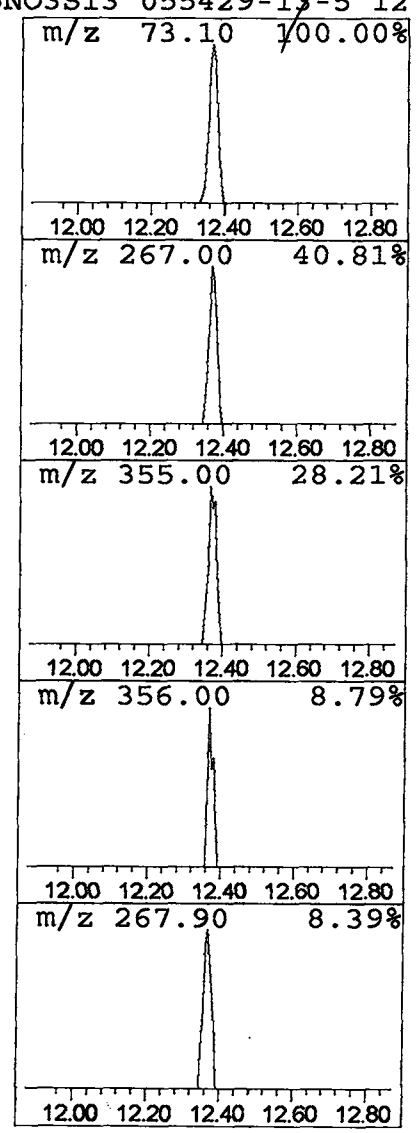
Peak Number 12 Cyclopentasiloxane, decamet... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.37 | 0.26 ug/L | 215329 | Napthalene-d8 | 13.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 78 |
| 2 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 50 |
| 3 | Phenethylamine, N-methyl-.beta.,... | 399 | C18H37NO3Si3 | 010538-85-9 | 17 |
| 4 | Benzeneethanamine, N-[(pentafluo... | 563 | C24H34F5NO3Si3 | 055429-13-5 | 12 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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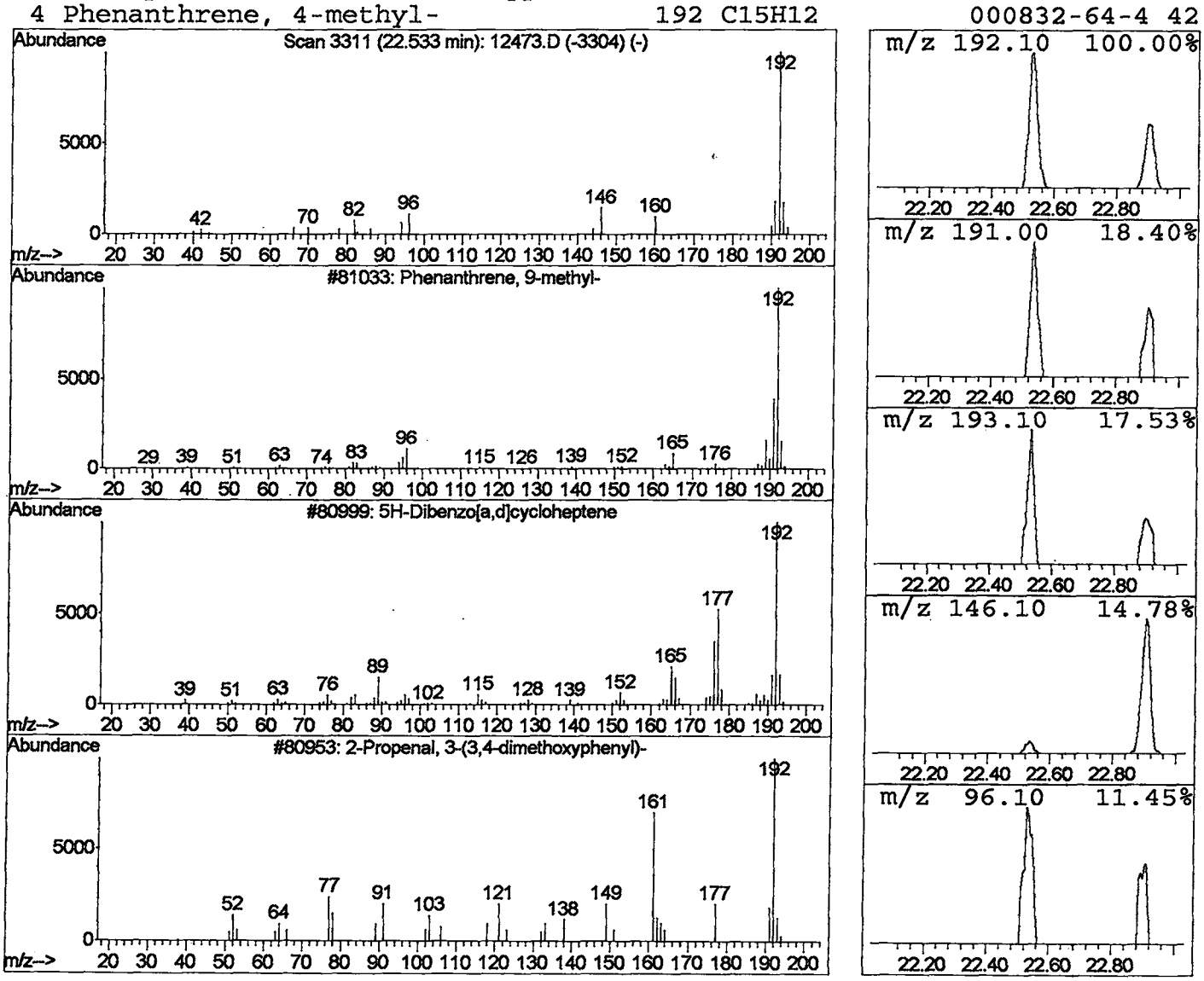
Peak Number 13 Phenanthrene, 9-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.53 | 0.24 ug/L | 224763 | Phenanthranene-d10 | 22.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 9-methyl- | 192 | C15H12 | 000883-20-5 | 59 |
| 2 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 45 |
| 3 | 2-Propenal, 3-(3,4-dimethoxyphen... | 192 | C11H12O3 | 004497-40-9 | 42 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 42 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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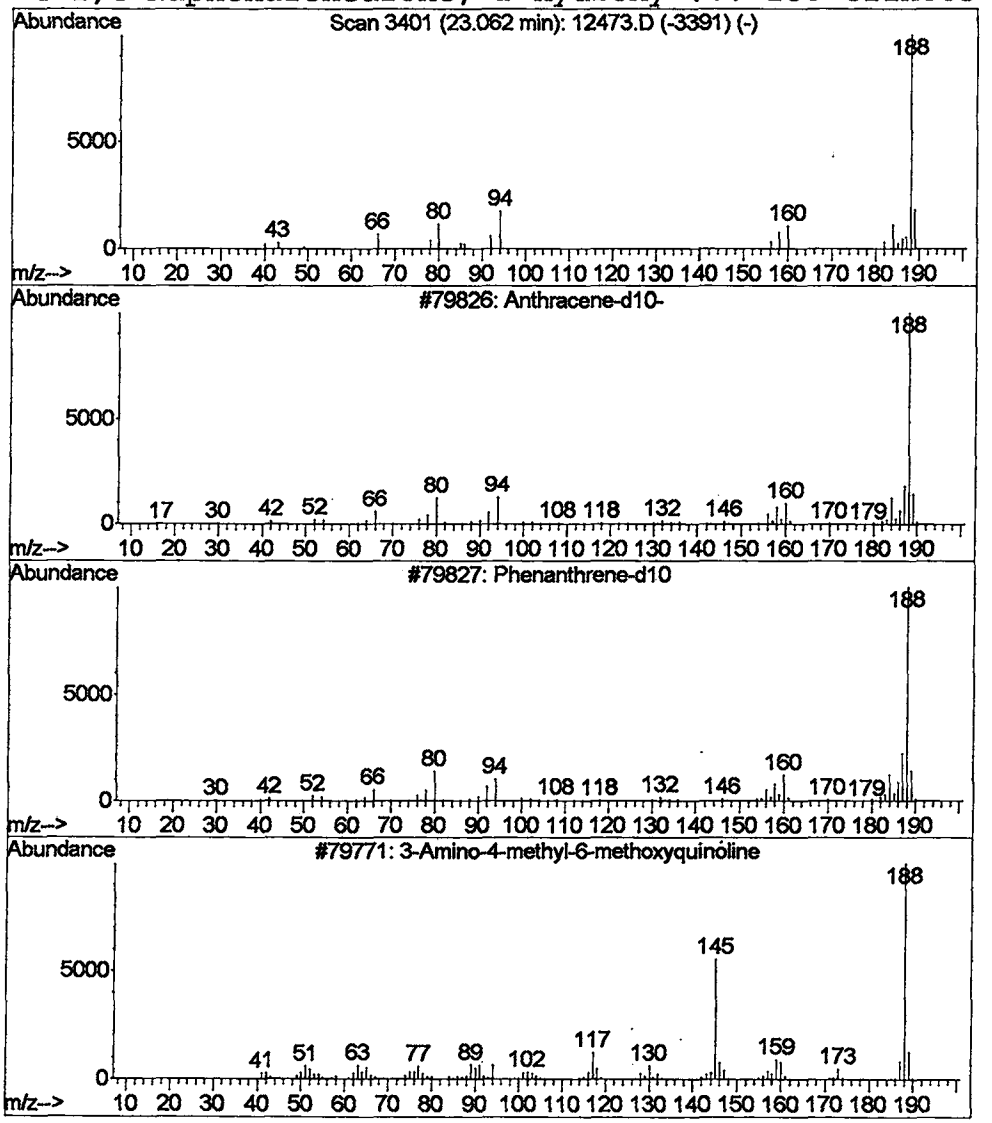
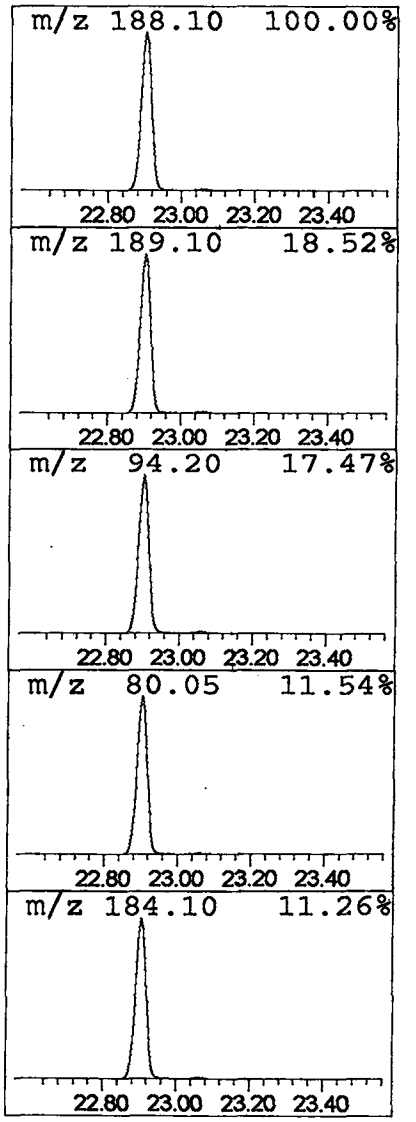
Peak Number 14 Anthracene-d10- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.06 | 0.29 ug/L | 266976 | Phenanthranene-d10 | 22.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 91 |
| 2 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 78 |
| 3 | 3-Amino-4-methyl-6-methoxyquinoline | 188 | C11H12N2O | 1000213-71-3 | 42 |
| 4 | 1,4-Naphthalenedione, 2-hydroxy-... | 188 | C11H8O3 | 000483-55-6 | 40 |



Data File : C:\MSDCHEM\1\DATA\052802\12473.D  Vial: 11
Acq On : 28 May 2002 10:26 pm  Operator: McLean
Sample : 5/24 ad  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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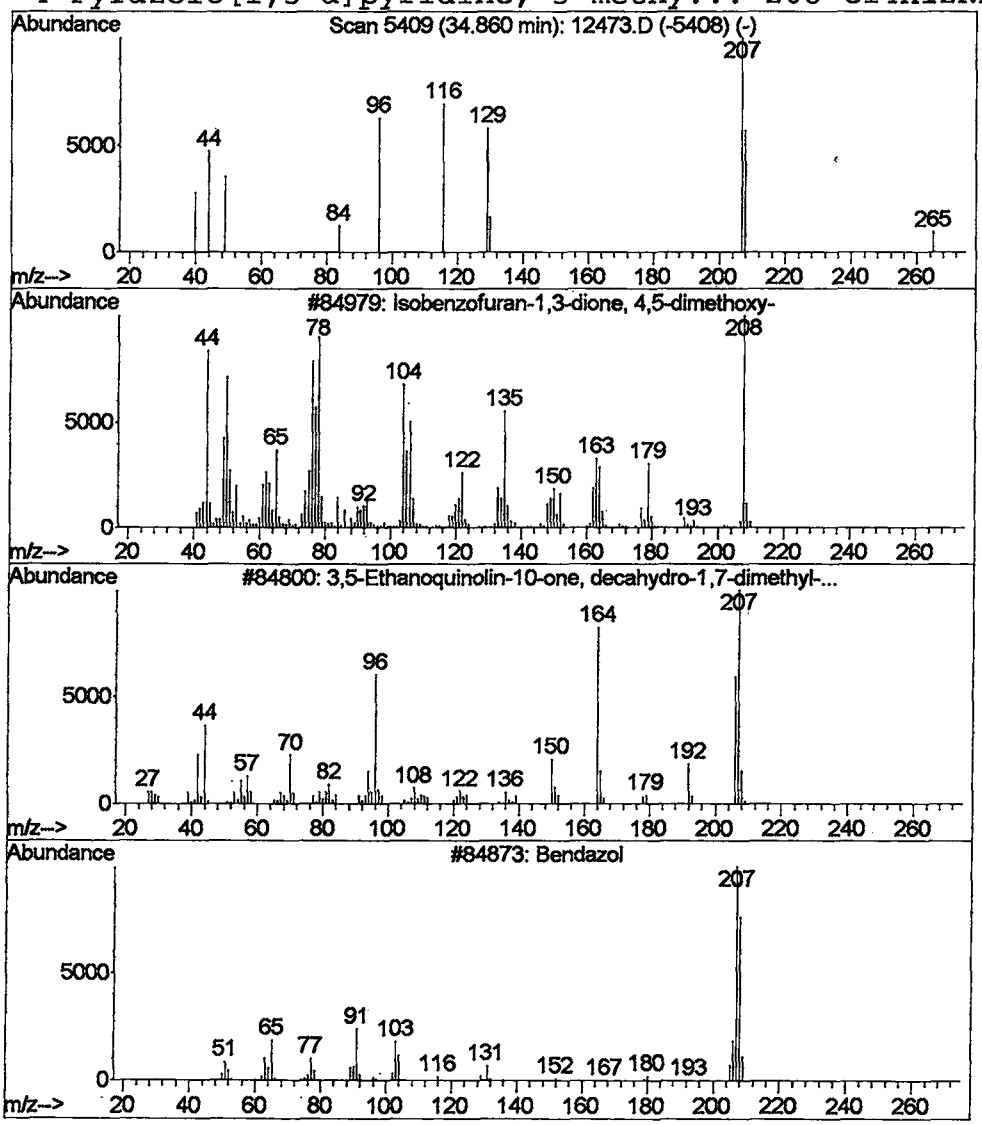
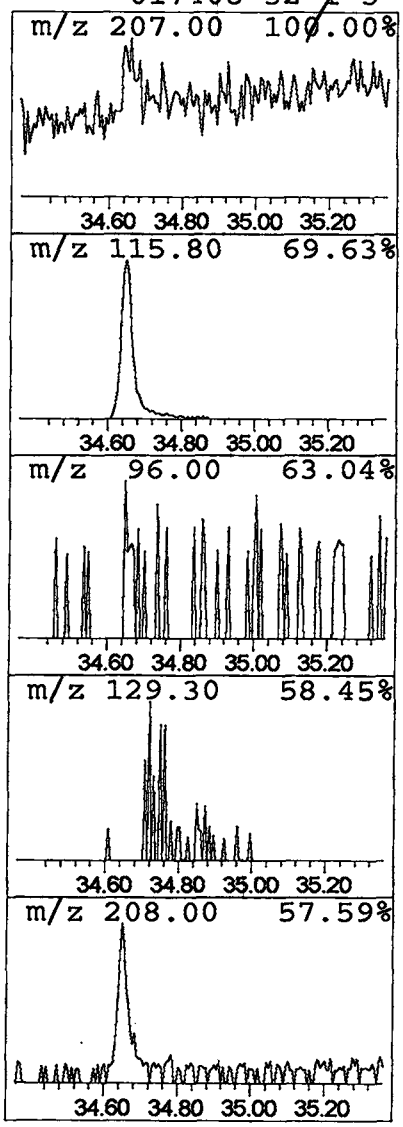
Peak Number 15 Isobenzofuran-1,3-dione, 4,... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 34.86 | 0.23 ug/L | 86298 | Perylene-d12 | 34.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isobenzofuran-1,3-dione, 4,5-dim... | 208 | C10H8O5 | 001567-56-2 | 12 |
| 2 | 3,5-Ethanoquinolin-10-one, decah... | 207 | C13H21NO | 021041-42-9 | 9 |
| 3 | Bendazol | 208 | C14H12N2 | 000621-72-7 | 7 |
| 4 | Pyrazolo[1,5-a]pyridine, 3-methy... | 208 | C14H12N2 | 017408-32-1 | 5 |



Operator ID: McLean  Date Acquired: 28 May 2002  10:26 pm
Data File: C:\MSDCHEM\1\DATA\052802\12473.D
Name: 5/24 ad
Misc:
Method: C:\MSDCHEM\1\METHODS\052202.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 |
|---|---|---|---|---|---|---|---|---|
| Methylene Chloride | 3.72 | 3.8 | ug/L | 2342010 | 1 | 9.90 | 24626800 | 40.0 |
| Imidazol, 4-fluoro- | 3.75 | 0.8 | ug/L | 469945 | 1 | 9.90 | 24626800 | 40.0 |
| Methylene Chloride | 3.78 | 5.7 | ug/L | 3512770 | 1 | 9.90 | 24626800 | 40.0 |
| 1,3-Butadiyne, 1,... | 3.92 | 2.1 | ug/L | 1290460 | 1 | 9.90 | 24626800 | 40.0 |
| Cyclopropane | 3.97 | 1.9 | ug/L | 1166800 | 1 | 9.90 | 24626800 | 40.0 |
| Methylene Chloride | 4.03 | 1.5 | ug/L | 898666 | 1 | 9.90 | 24626800 | 40.0 |
| 2-Amino-oxazole | 4.14 | 0.8 | ug/L | 493402 | 1 | 9.90 | 24626800 | 40.0 |
| 4-Chlorobuten-3-yne | 4.21 | 1.6 | ug/L | 975837 | 1 | 9.90 | 24626800 | 40.0 |
| Methylene Chloride | 4.49 | 2.3 | ug/L | 1445280 | 1 | 9.90 | 24626800 | 40.0 |
| Azetidine, 1-nitr... | 5.20 | 0.2 | ug/L | 129147 | 1 | 9.90 | 24626800 | 40.0 |
| 2-Pentanone, 4-hy... | 5.93 | 10.0 | ug/L | 6174100 | 1 | 9.90 | 24626800 | 40.0 |
| Cyclopentasiloxan... | 12.37 | 0.3 | ug/L | 215329 | 2 | 13.39 | 33558200 | 40.0 |
| Phenanthrene, 9-m... | 22.53 | 0.2 | ug/L | 224763 | 4 | 22.91 | 37201300 | 40.0 |
| Anthracene-d10- | 23.06 | 0.3 | ug/L | 266976 | 4 | 22.91 | 37201300 | 40.0 |
| Isobenzofuran-1,3... | 34.86 | 0.2 | ug/L | 86298 | 6 | 34.65 | 15091900 | 40.0 |