

User: Galos, Marie  
 Westchester Dept. of Labs & Research  
 Date: 12/11/2001 Time: 16:51:22

Sample: AD26991  
 Analysis: \$GCMS GCMS Scan For Unknowns  
 Units: ug  
 Started: 12/11/01 16:50 Ended: 12/11/01 16:50 Analyst: MG  
 Page: 1

|   | Component Name          | Viol | Result      | MDL |
|---|-------------------------|------|-------------|-----|
| 1 | Other unknown compounds |      | see comment |     |
| 2 | Surr_2,4-DDD            |      |             | 5.0 |

**Comments for Sample AD26991 - Analysis \$GCMS**

Westchester Dept. of Labs & Research

User: Galos, Marie

Date: 12-11-2001 Time: 16:51:27

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\26991.D  
 Acq On : 7 Dec 2001 12:43 am  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: RTEINT.P  
 Quant Time: Dec 11 11:36 2001

Vial: 17  
 Operator: GALOS  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
 Title : 208 625/TCLP calibration table  
 Last Update : Wed Nov 28 15:33:44 2001  
 Response via : Initial Calibration  
 DataAcq Meth : NP112701

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 11.89 | 152  | 1053883  | 20.00 | ng/uL | -0.05    |
| 19) Naphthalene-d8        | 15.50 | 136  | 4014269  | 20.00 | ng/uL | -0.05    |
| 31) Acenaphthene-d10      | 20.78 | 164  | 1826801  | 20.00 | ng/uL | -0.05    |
| 49) Phenanthrene-d10      | 25.19 | 188  | 2678688  | 20.00 | ng/uL | -0.05    |
| 59) Chrysene-d12          | 33.18 | 240  | 1799078  | 20.00 | ng/uL | -0.06    |
| 68) Perylene-d12          | 37.27 | 264  | 1301675  | 20.00 | ng/uL | -0.06    |

## System Monitoring Compounds

|                           |        |       |         |          |       |        |
|---------------------------|--------|-------|---------|----------|-------|--------|
| 4) 2-Fluorophenol         | 0.00   | 112   | 0       | 0.00     | ng/uL |        |
| Spiked Amount             | 75.000 | Range | 18 - 42 | Recovery | =     | 0.00%# |
| 5) Phenol-d5              | 0.00   | 99    | 0       | 0.00     | ng/uL |        |
| Spiked Amount             | 75.000 | Range | 19 - 32 | Recovery | =     | 0.00%# |
| 6) 2-Chlorophenol-d4      | 11.89  | 132   | 725     | 0.01     | ng/uL | 0.47   |
| Spiked Amount             | 75.000 | Range | 34 - 84 | Recovery | =     | 0.01%# |
| 7) 1,2-Dichlorobenzene-d4 | 12.22  | 152   | 277     | 0.01     | ng/uL | -0.24  |
| Spiked Amount             | 50.000 | Range | 26 - 73 | Recovery | =     | 0.02%# |
| 20) Nitrobenzene-d5       | 0.00   | 82    | 0       | 0.00     | ng/uL |        |
| Spiked Amount             | 50.000 | Range | 55 - 98 | Recovery | =     | 0.00%# |
| 32) 2-Fluorobiphenyl      | 18.92  | 172   | 1529    | 0.01     | ng/uL | 0.09   |
| Spiked Amount             | 50.000 | Range | 42 - 78 | Recovery | =     | 0.02%# |
| 33) 2,4,6-Tribromophenol  | 0.00   | 330   | 0       | 0.00     | ng/uL |        |
| Spiked Amount             | 75.000 | Range | 45 - 96 | Recovery | =     | 0.00%# |
| 62) Terphenyl-d14         | 0.00   | 244   | 0       | 0.00     | ng/uL |        |
| Spiked Amount             | 50.000 | Range | 58 - 98 | Recovery | =     | 0.00%# |

## Target Compounds

|                                |      |     |   | Qvalue |
|--------------------------------|------|-----|---|--------|
| 2) Pyridine                    | 0.00 | 79  | 0 | N.D.   |
| 3) N-nitrosodimethylamine      | 0.00 | 74  | 0 | N.D.   |
| 8) Phenol                      | 0.00 | 94  | 0 | N.D.   |
| 9) bis(2-Chloroethyl) ether    | 0.00 | 93  | 0 | N.D.   |
| 10) 2-Chlorophenol             | 0.00 | 128 | 0 | N.D.   |
| 11) 1,3-Dichlorobenzene        | 0.00 | 146 | 0 | N.D.   |
| 12) 1,4-Dichlorobenzene        | 0.00 | 146 | 0 | N.D.   |
| 13) 1,2-Dichlorobenzene        | 0.00 | 146 | 0 | N.D.   |
| 14) 2-Methylphenol             | 0.00 | 108 | 0 | N.D.   |
| 15) 2,2'-oxybis(1-Chloropropan | 0.00 | 45  | 0 | N.D.   |
| 16) 3&4-Methylphenol           | 0.00 | 108 | 0 | N.D.   |

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

26991.D NP112701.M Tue Dec 11 12:25:50 2001

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## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\26991.D

Vial: 17

Acq On : 7 Dec 2001 12:43 am

Operator: GALOS

Sample : gc/ms unknown

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Dec 11 11:36 2001

Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)

Title : 208 625/TCLP calibration table

Last Update : Wed Nov 28 15:33:44 2001

Response via : Initial Calibration

DataAcq Meth : NP112701

| Compound                        | R.T.  | QIon | Response | Conc | Unit | Qvalue |
|---------------------------------|-------|------|----------|------|------|--------|
| 17) N-Nitrosodi-n-propylamine   | 0.00  | 70   | 0        | N.D. |      |        |
| 18) Hexachloroethane            | 0.00  | 117  | 0        | N.D. |      |        |
| 21) Nitrobenzene                | 0.00  | 77   | 0        | N.D. |      |        |
| 22) Isophorone                  | 0.00  | 82   | 0        | N.D. |      |        |
| 23) 2-Nitrophenol               | 0.00  | 139  | 0        | N.D. |      |        |
| 24) 2,4-Dimethylphenol          | 0.00  | 107  | 0        | N.D. |      |        |
| 25) bis(2-Chloroethoxy)methane  | 0.00  | 93   | 0        | N.D. |      |        |
| 26) 2,4-Dichlorophenol          | 0.00  | 162  | 0        | N.D. |      |        |
| 27) 1,2,4-Trichlorobenzene      | 0.00  | 180  | 0        | N.D. |      |        |
| 28) Naphthalene                 | 0.00  | 128  | 0        | N.D. |      |        |
| 29) Hexachlorobutadiene         | 0.00  | 225  | 0        | N.D. |      |        |
| 30) 4-Chloro-3-methylphenol     | 0.00  | 107  | 0        | N.D. |      |        |
| 34) Hexachlorocyclopentadiene   | 0.00  | 237  | 0        | N.D. |      |        |
| 35) 2,4,6-Trichlorophenol       | 0.00  | 196  | 0        | N.D. |      |        |
| 36) 2,4,5-Trichlorophenol       | 0.00  | 196  | 0        | N.D. |      |        |
| 37) 2-Chloronaphthalene         | 0.00  | 162  | 0        | N.D. |      |        |
| 38) Dimethylphthalate           | 0.00  | 163  | 0        | N.D. |      |        |
| 39) 2,6-Dinitrotoluene          | 0.00  | 165  | 0        | N.D. | d    |        |
| 40) Acenaphthylene              | 0.00  | 152  | 0        | N.D. |      |        |
| 41) Acenaphthene                | 0.00  | 153  | 0        | N.D. |      |        |
| 42) 2,4-Dinitrophenol           | 0.00  | 184  | 0        | N.D. |      |        |
| 43) 4-Nitrophenol               | 0.00  | 65   | 0        | N.D. |      |        |
| 44) 2,4-Dinitrotoluene          | 0.00  | 165  | 0        | N.D. |      |        |
| 45) Diethylphthalate            | 22.27 | 149  | 472      | N.D. |      |        |
| 46) 4-Chlorophenylphenylether   | 0.00  | 204  | 0        | N.D. |      |        |
| 47) Fluorene                    | 0.00  | 166  | 0        | N.D. |      |        |
| 48) Azobenzene/ 1,2-Diphenylhyd | 0.00  | 77   | 0        | N.D. |      |        |
| 50) 4,6-Dinitro-2-methylphenol  | 0.00  | 198  | 0        | N.D. |      |        |
| 51) N-Nitrosodiphenylamine      | 0.00  | 169  | 0        | N.D. |      |        |
| 52) 4-Bromophenyl-phenylether   | 0.00  | 248  | 0        | N.D. |      |        |
| 53) Hexachlorobenzene           | 0.00  | 284  | 0        | N.D. |      |        |
| 54) Pentachlorophenol           | 0.00  | 266  | 0        | N.D. |      |        |
| 55) Phenanthrene                | 0.00  | 178  | 0        | N.D. |      |        |
| 56) Anthracene                  | 0.00  | 178  | 0        | N.D. |      |        |
| 57) Di-n-butylphthalate         | 27.18 | 149  | 5865     | N.D. |      |        |
| 58) Fluoranthene                | 0.00  | 202  | 0        | N.D. |      |        |
| 60) 3,3'-Dichlorobenzidine      | 0.00  | 252  | 0        | N.D. |      |        |

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

26991.D NP112701.M

Tue Dec 11 12:25:52 2001

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## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\26991.D  
Acq On : 7 Dec 2001 12:43 am  
Sample : gc/ms unknown  
Misc :  
MS Integration Params: RTEINT.P  
Quant Time: Dec 11 11:36 2001

Vial: 17  
Operator: GALOS  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
Title : 208 625/TCLP calibration table  
Last Update : Wed Nov 28 15:33:44 2001  
Response via : Initial Calibration  
DataAcq Meth : NP112701

| Compound                       | R.T.  | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|------|--------|
| 61) Benzidine                  | 0.00  | 184  | 0        | N.D. |      |        |
| 63) Pyrene                     | 0.00  | 202  | 0        | N.D. |      |        |
| 64) Butylbenzylphthalate       | 0.00  | 149  | 0        | N.D. |      |        |
| 65) Benzo(a)anthracene         | 33.19 | 228  | 4250     | N.D. |      |        |
| 66) Bis(2-ethylhexyl)phthalate | 33.45 | 149  | 7918     | N.D. |      |        |
| 67) Chrysene                   | 33.19 | 228  | 4250     | N.D. |      |        |
| 69) Di-n-Octylphthalate        | 0.00  | 149  | 0        | N.D. |      |        |
| 70) Benzo(b)fluoranthene       | 0.00  | 252  | 0        | N.D. |      |        |
| 71) Benzo(k)fluoranthene       | 0.00  | 252  | 0        | N.D. |      |        |
| 72) Benzo(a)pyrene             | 37.28 | 252  | 4246     | N.D. |      |        |
| 73) Indeno(1,2,3-cd)pyrene     | 0.00  | 276  | 0        | N.D. |      |        |
| 74) Dibenz(a,h)anthracene      | 0.00  | 278  | 0        | N.D. |      |        |
| 75) Benzo(g,h,i)perylene       | 0.00  | 276  | 0        | N.D. |      |        |

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

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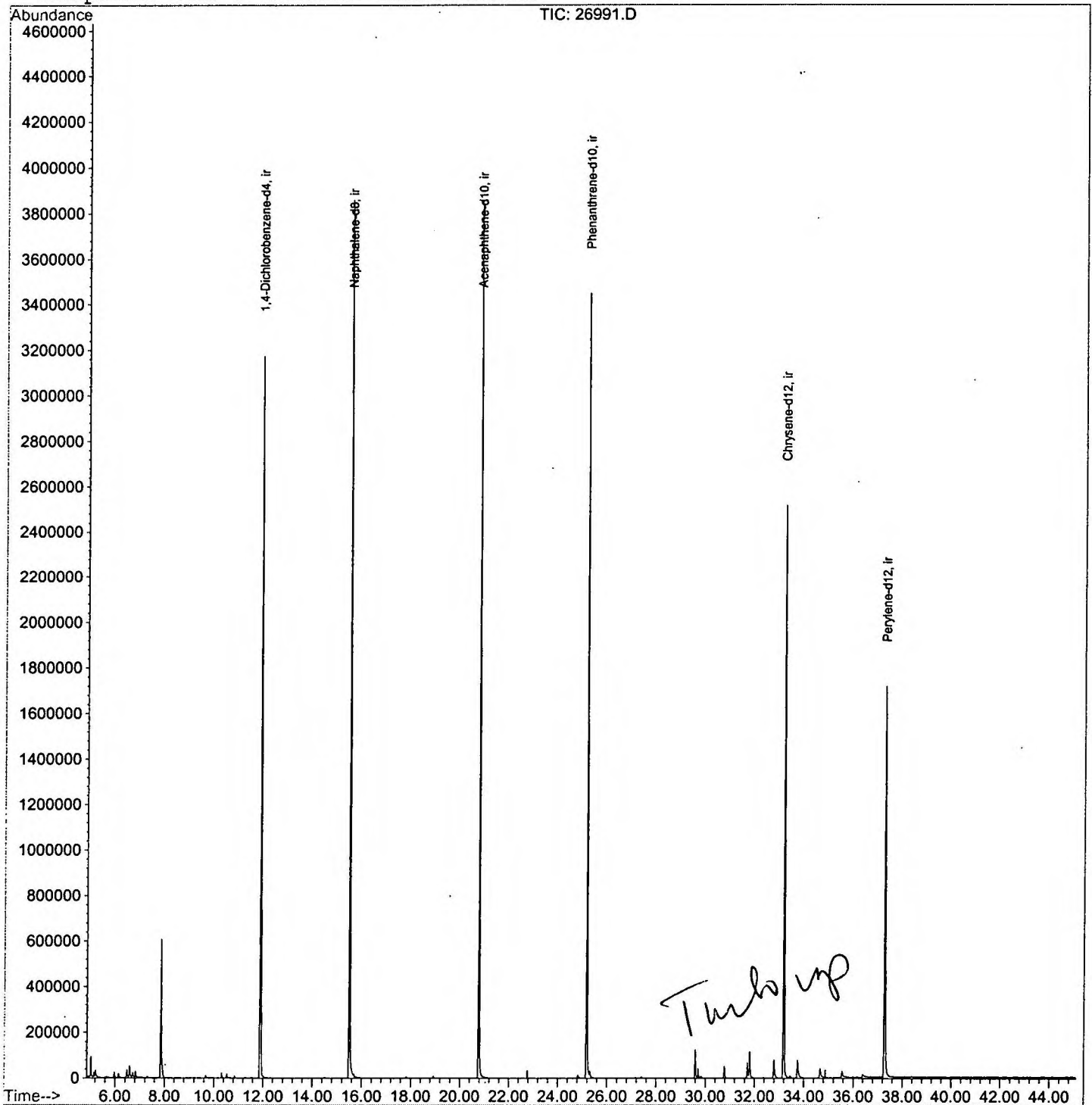
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26991.D  
Acq On : 7 Dec 2001 12:43 am  
Sample : gc/ms unknown  
Misc :  
MS Integration Params: RTEINT.P  
Quant Time: Dec 11 11:36 2001

Vial: 17  
Operator: GALOS  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: NP112701.RES

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
Title : 208 625/TCLP calibration table  
Last Update : Wed Nov 28 15:33:44 2001  
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26991.D  
 Acq On : 7 Dec 2001 12:43 am  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 17  
 Operator: GALOS  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
 Title : 208 625/TCLP calibration table  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

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

Signal : TIC

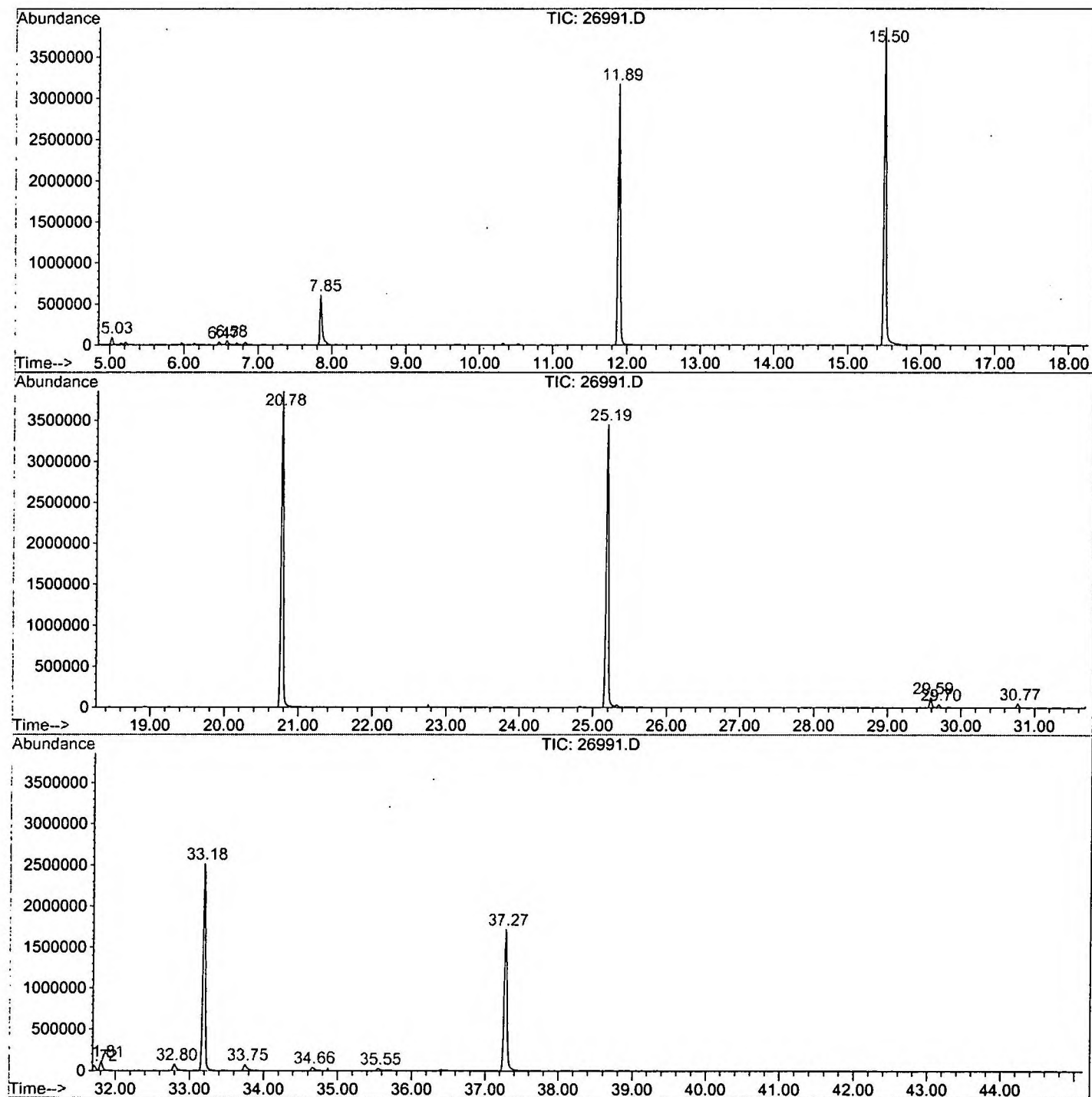
| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|--------------|----------------|---------------|
| 1         | 5.032       | 15            | 21          | 26           | rBV      | 89639          | 168172       | 2.07%          | 0.382%        |
| 2         | 6.472       | 174           | 178         | 186          | rBV      | 36416          | 85105        | 1.05%          | 0.193%        |
| 3         | 6.582       | 186           | 190         | 193          | rBV      | 51454          | 89775        | 1.11%          | 0.204%        |
| 4         | 7.847       | 324           | 328         | 343          | rVB      | 606133         | 1287409      | 15.88%         | 2.922%        |
| 5         | 11.891      | 763           | 769         | 787          | rBV      | 3172499        | 6497666      | 80.16%         | 14.747%       |
| 6         | 15.504      | 1157          | 1163        | 1180         | rBV      | 3858779        | 8105741      | 100.00%        | 18.397%       |
| 7         | 20.777      | 1732          | 1738        | 1755         | rBV      | 3856752        | 8003250      | 98.74%         | 18.164%       |
| 8         | 25.188      | 2212          | 2219        | 2231         | rBV2     | 3449650        | 7519091      | 92.76%         | 17.065%       |
| 9         | 29.589      | 2694          | 2699        | 2707         | rBV      | 125635         | 262827       | 3.24%          | 0.597%        |
| 10        | 29.699      | 2707          | 2711        | 2717         | rVB      | 41058          | 86088        | 1.06%          | 0.195%        |
| 11        | 30.772      | 2823          | 2828        | 2838         | rVB      | 51820          | 120174       | 1.48%          | 0.273%        |
| 12        | 31.717      | 2926          | 2931        | 2936         | rBV      | 67674          | 170499       | 2.10%          | 0.387%        |
| 13        | 31.809      | 2936          | 2941        | 2953         | rVB      | 114915         | 295236       | 3.64%          | 0.670%        |
| 14        | 32.799      | 3043          | 3049        | 3060         | rBV      | 81093          | 241724       | 2.98%          | 0.549%        |
| 15        | 33.184      | 3085          | 3091        | 3109         | rBV2     | 2517399        | 5774343      | 71.24%         | 13.105%       |
| 16        | 33.753      | 3147          | 3153        | 3166         | rBV      | 77696          | 252486       | 3.11%          | 0.573%        |
| 17        | 34.661      | 3247          | 3252        | 3264         | rBV2     | 42604          | 154643       | 1.91%          | 0.351%        |
| 18        | 35.550      | 3342          | 3349        | 3361         | rBV      | 30226          | 114035       | 1.41%          | 0.259%        |
| 19        | 37.274      | 3529          | 3537        | 3555         | rBV2     | 1716914        | 4832745      | 59.62%         | 10.968%       |

Sum of corrected areas: 44061009

26991.D NP112701.M Tue Dec 11 14:54:13 2001

## LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\26991.D  
Operator : GALOS  
Acquired : 7 Dec 2001 12:43 am using AcqMethod NP112701  
Instrument : GC/MS Ins  
Sample Name: gc/ms unknown  
Misc Info :  
Vial Number: 17  
Quant File :NP112701.RES (RTE Integrator)



26991.D NP112701.M

Tue Dec 11 14:54:16 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26991.D  
 Acq On : 7 Dec 2001 12:43 am  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 17  
 Operator: GALOS  
 Inst : GC/MS Ins  
 Multiplr: 1.00

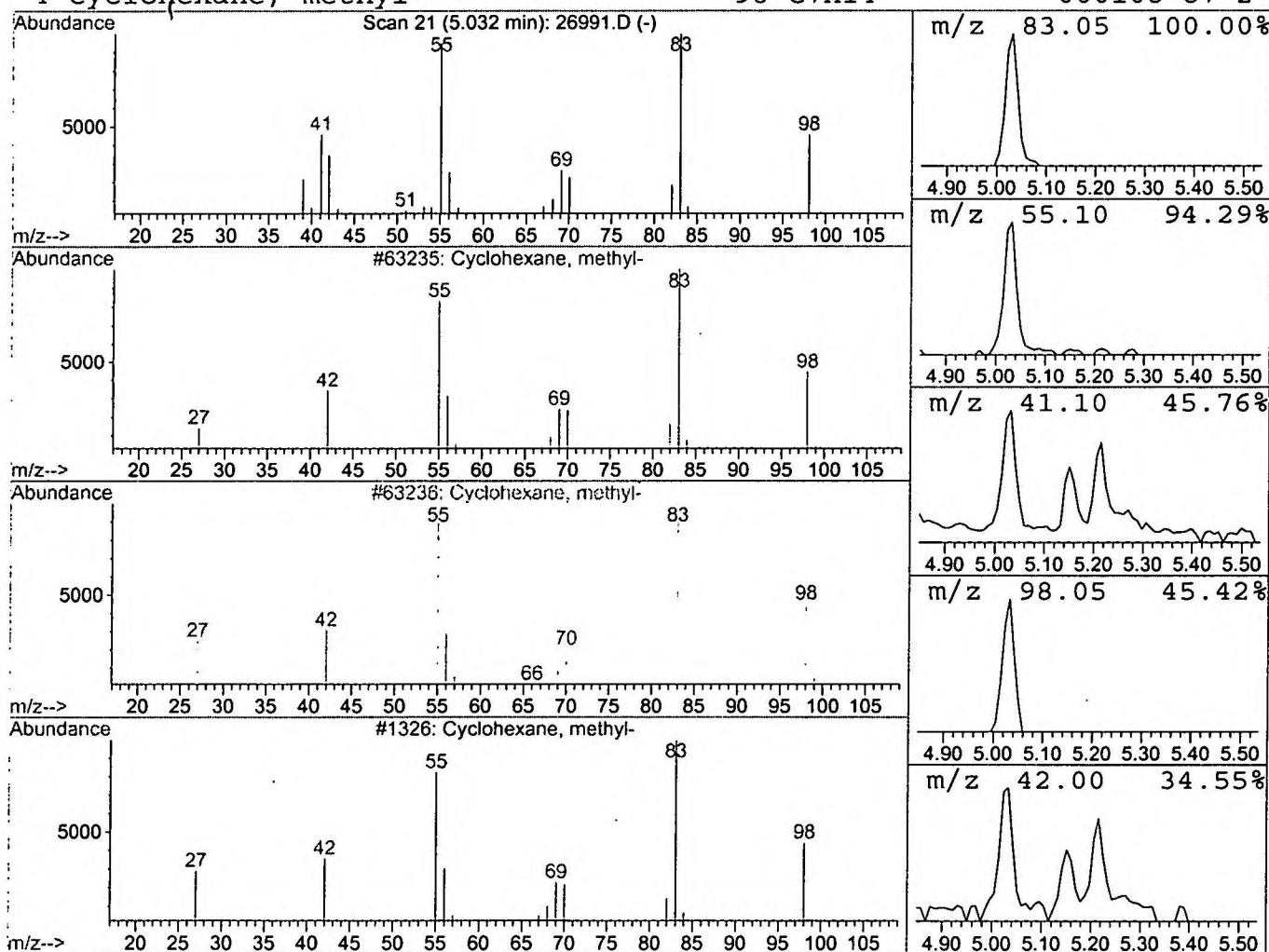
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
 Title : 208 625/TCLP calibration table  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 Cyclohexane, methyl- Concentration Rank 8

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T.  |
|------|------------|--------|------------------------|-------|
| 5.03 | 0.52 ng/uL | 168172 | 1,4-Dichlorobenzene-d4 | 11.89 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | Cyclohexane, methyl- | 98 | C7H14   | 000108-87-2 | 97   |
| 2    |    |   | Cyclohexane, methyl- | 98 | C7H14   | 000108-87-2 | 95   |
| 3    |    |   | Cyclohexane, methyl- | 98 | C7H14   | 000108-87-2 | 94   |
| 4    |    |   | Cyclohexane, methyl- | 98 | C7H14   | 000108-87-2 | 78   |



## Library Search Compound Report

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Acq On : 7 Dec 2001 12:43 am  
Sample : gc/ms unknown  
Misc :  
MS Integration Params: LSCINT.P

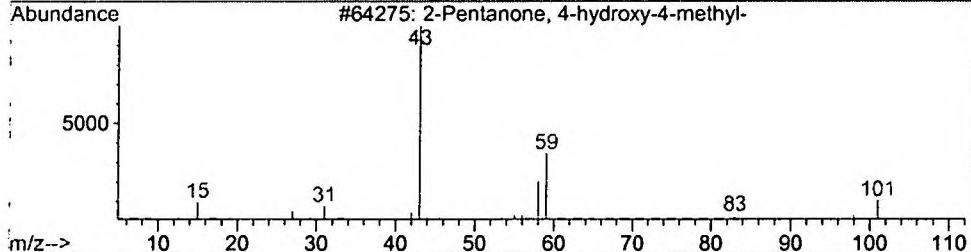
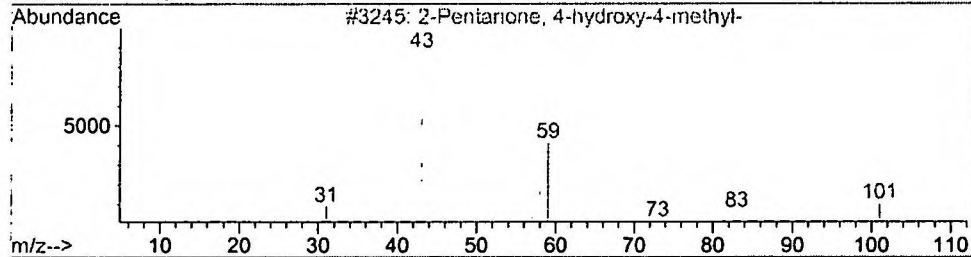
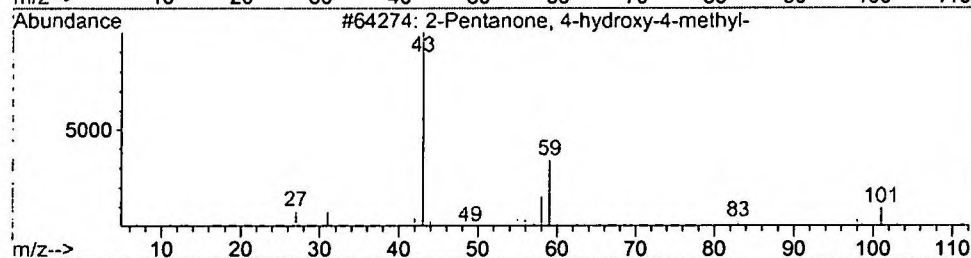
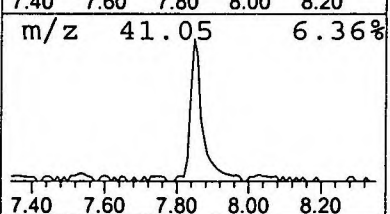
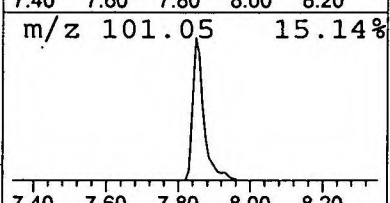
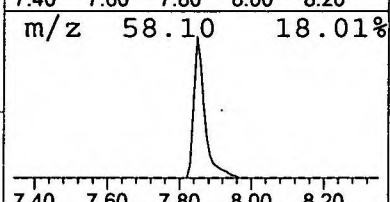
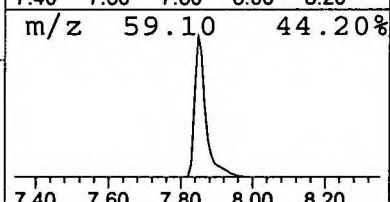
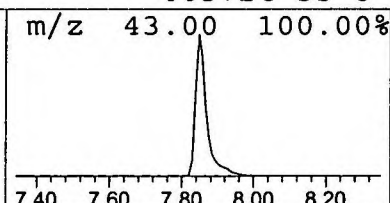
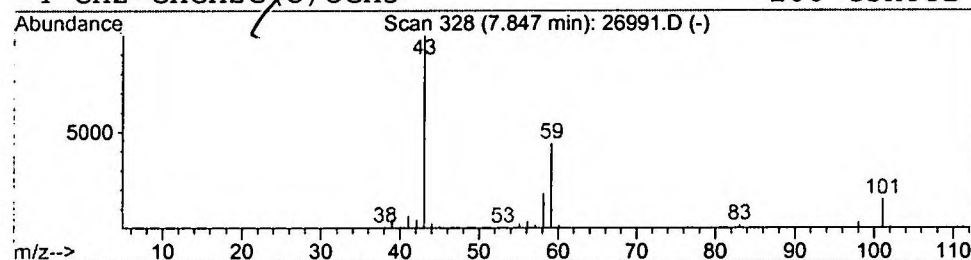
Vial: 17  
Operator: GALOS  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
Title : 208 625/TCLP calibration table  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 2-Pentanone, 4-hydroxy-4-methyl Concentration Rank 1

| R.T. | EstConc    | Area    | Relative to ISTD       | R.T.  |
|------|------------|---------|------------------------|-------|
| 7.85 | 3.96 ng/uL | 1287410 | 1,4-Dichlorobenzene-d4 | 11.89 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------|-----|---------|-------------|------|
| 1    |      | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 83   |
| 2    |      | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64   |
| 3    |      | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59   |
| 4    |      | CH2=CHCH2C(O)OCH3                | 100 | C5H8O2  | 003724-55-8 | 10   |



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Acq On : 7 Dec 2001 12:43 am  
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Misc :  
MS Integration Params: LSCINT.P

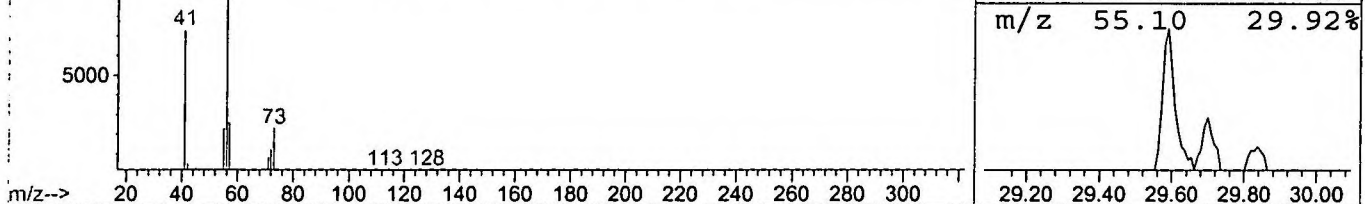
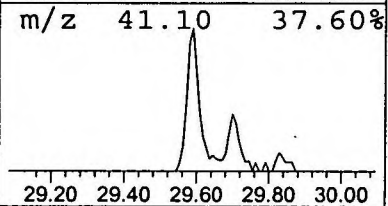
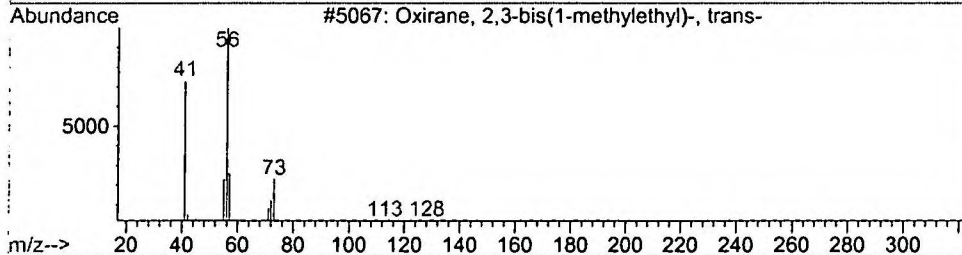
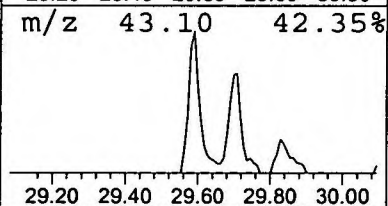
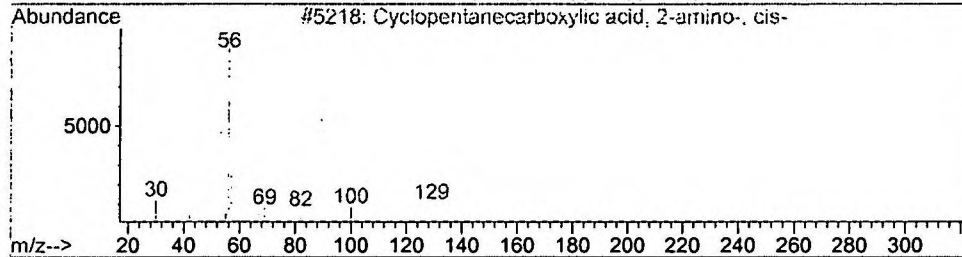
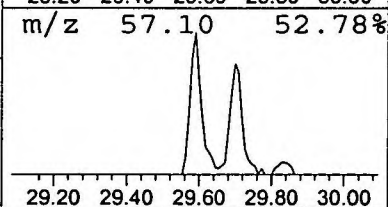
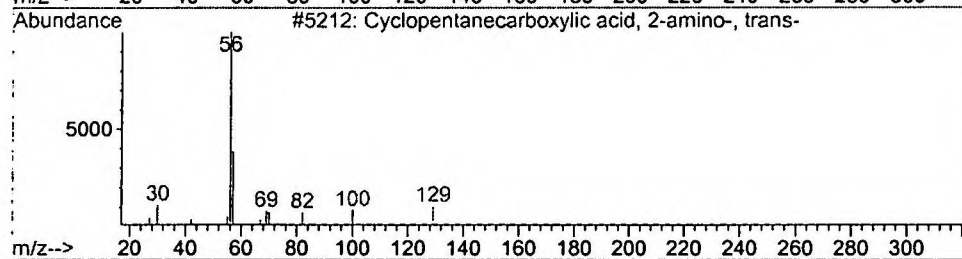
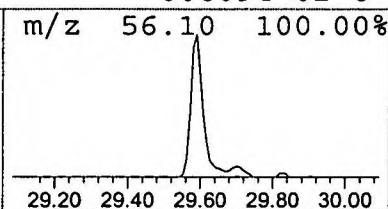
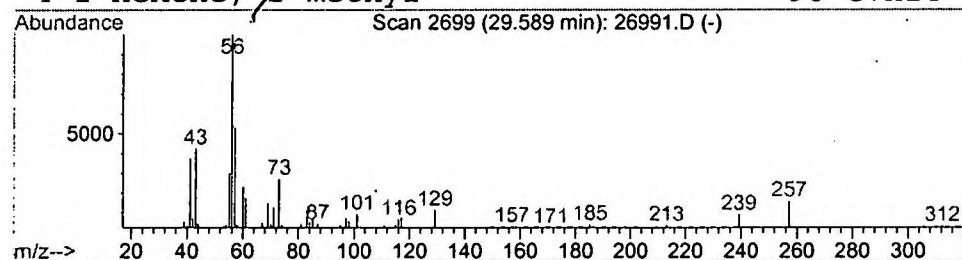
Vial: 17  
Operator: GALOS  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
Title : 208 625/TCLP calibration table  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 Cyclopentanecarboxylic acid, 2 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 29.59 | 0.91 ng/uL | 262827 | Chrysene-d12     | 33.18 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Cyclopentanecarboxylic acid, 2-amin | 129 | C6H11NO2 | 040482-05-1 | 43   |
| 2    |    | Cyclopentanecarboxylic acid, 2-amin | 129 | C6H11NO2 | 037910-65-9 | 43   |
| 3    |    | Oxirane, 2,3-bis(1-methylethyl)-, t | 128 | C8H16O   | 054644-32-5 | 37   |
| 4    |    | 1-Hexene, 2-methyl-                 | 98  | C7H14    | 006094-02-6 | 35   |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26991.D  
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 MS Integration Params: LSCINT.P

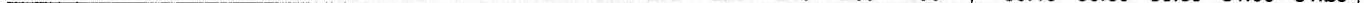
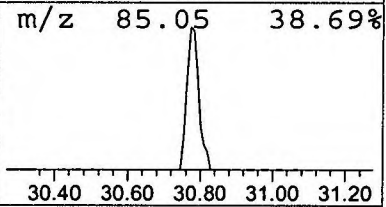
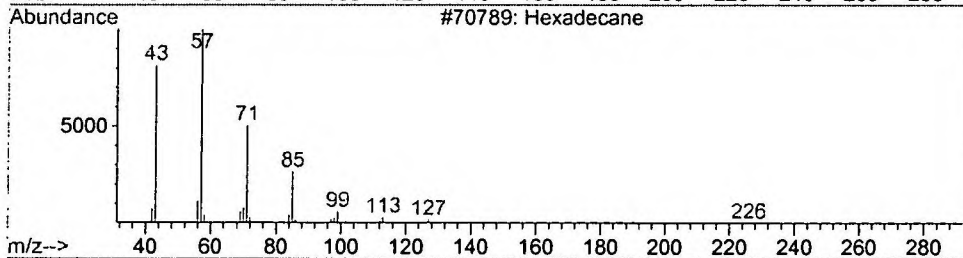
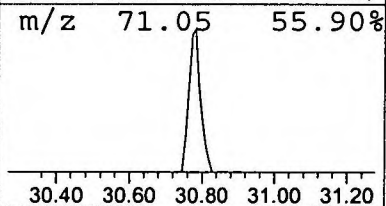
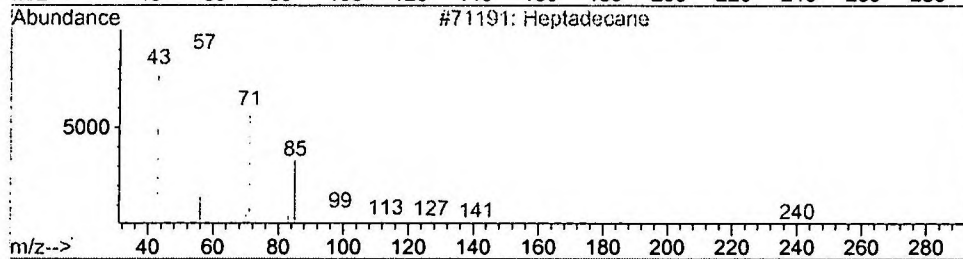
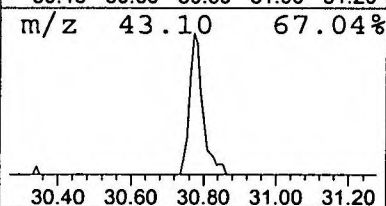
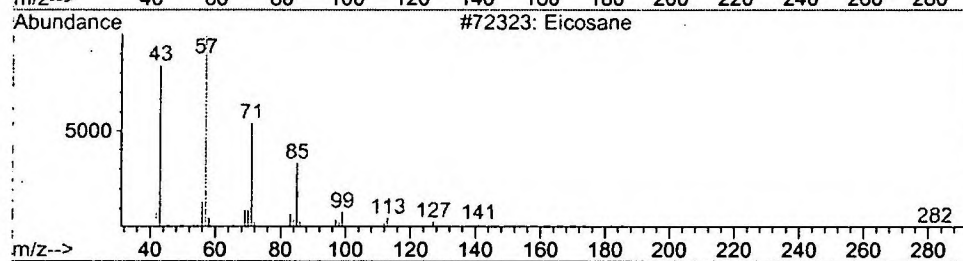
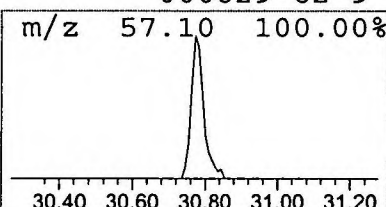
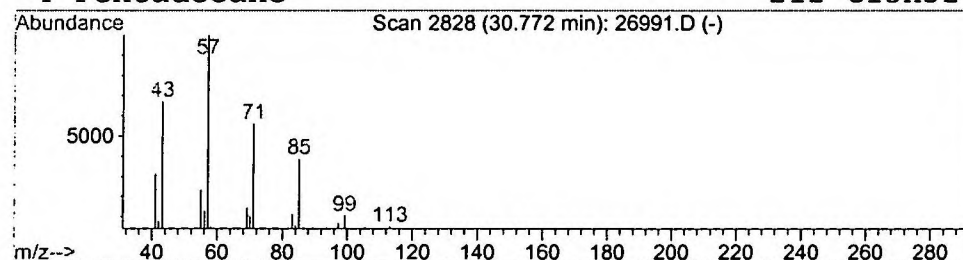
Vial: 17  
 Operator: GALOS  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
 Title : 208 625/TCLP calibration table  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Eicosane Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 30.77 | 0.42 ng/uL | 120174 | Chrysene-d12     | 33.18 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane    |              | 282 | C20H42  | 000112-95-8 | 90   |
| 2       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 78   |
| 3       | Hexadecane  |              | 226 | C16H34  | 000544-76-3 | 72   |
| 4       | Pentadecane |              | 212 | C15H32  | 000629-62-9 | 64   |



## Library Search Compound Report

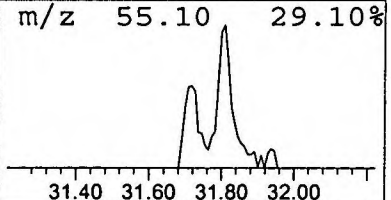
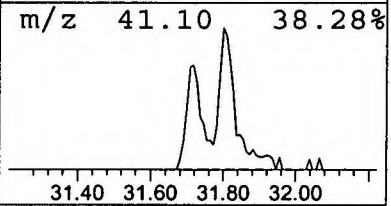
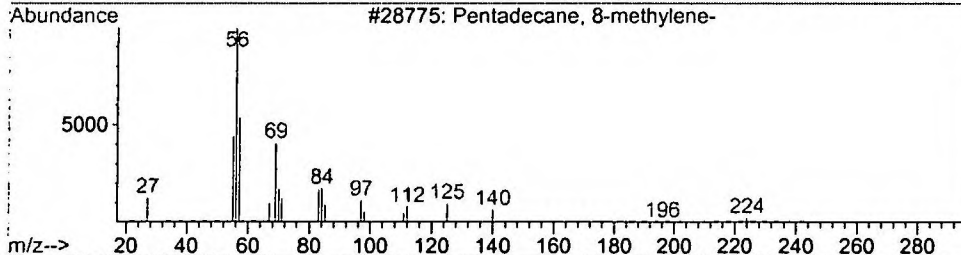
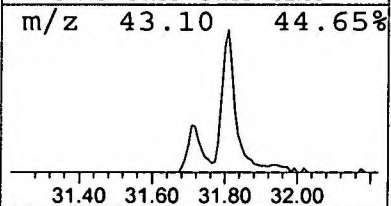
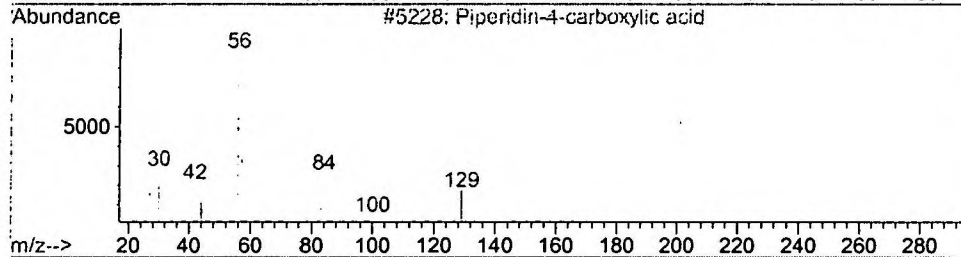
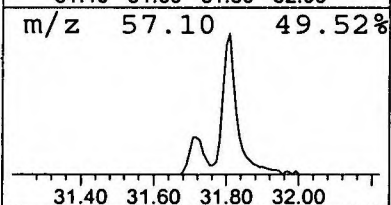
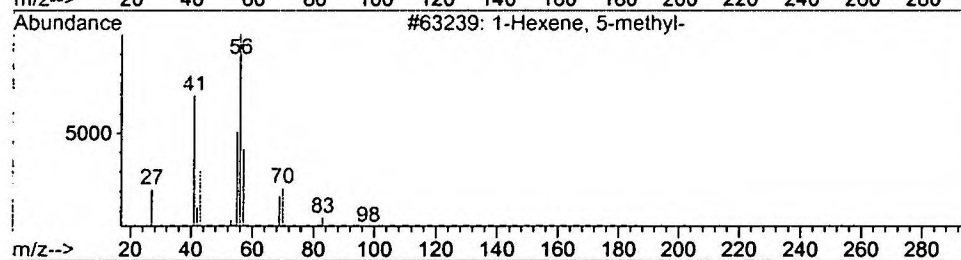
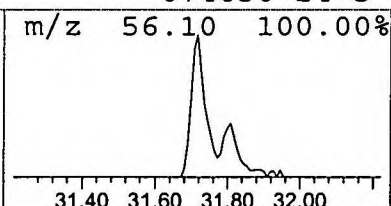
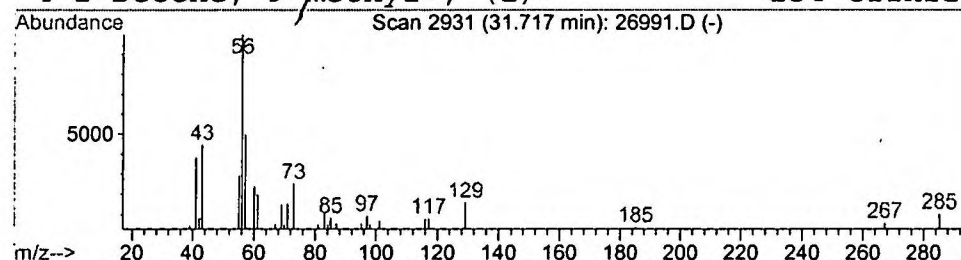
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Acq On : 7 Dec 2001 12:43 am  
Sample : gc/ms unknown  
Misc :  
MS Integration Params: LSCINT.P

Vial: 17  
Operator: GALOS  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
Title : 208 625/TCLP calibration table  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 5 1-Hexene, 5-methyl- Concentration Rank 6

| R.T.      | EstConc                     | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------|--------|------------------|-------------|------|
| 31.72     | 0.59 ng/uL                  | 170499 | Chrysene-d12     | 33.18       |      |
| Hit# of 5 | Tentative ID                | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Hexene, 5-methyl-         | 98     | C7H14            | 003524-73-0 | 27   |
| 2         | Piperidin-4-carboxylic acid | 129    | C6H11NO2         | 000498-94-2 | 23   |
| 3         | Pentadecane, 8-methylene-   | 224    | C16H32           | 055668-09-2 | 17   |
| 4         | 2-Decene, 9-methyl-, (Z)-   | 154    | C11H22           | 074630-24-3 | 17   |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26991.D  
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 MS Integration Params: LSCINT.P

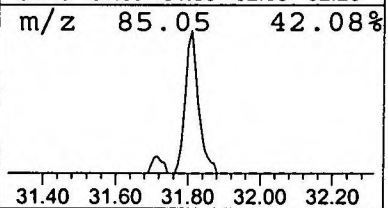
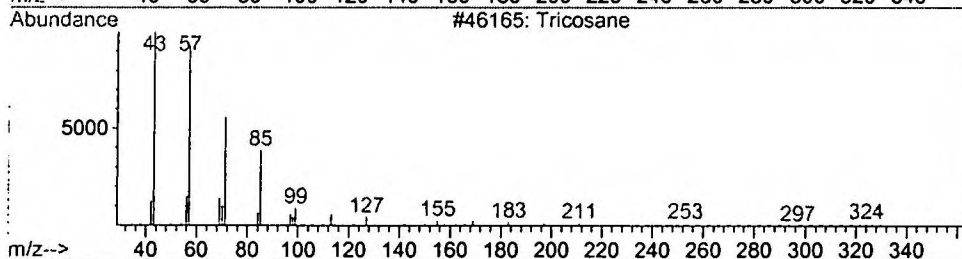
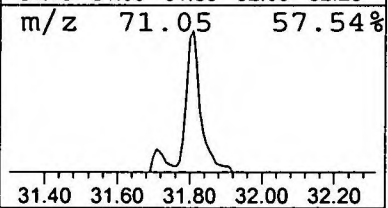
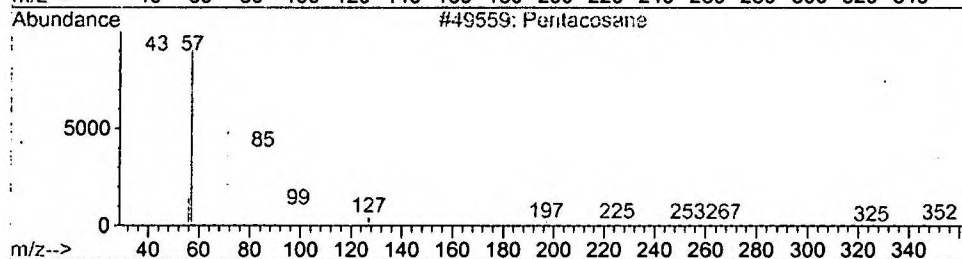
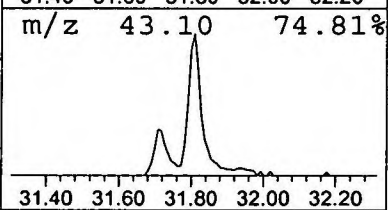
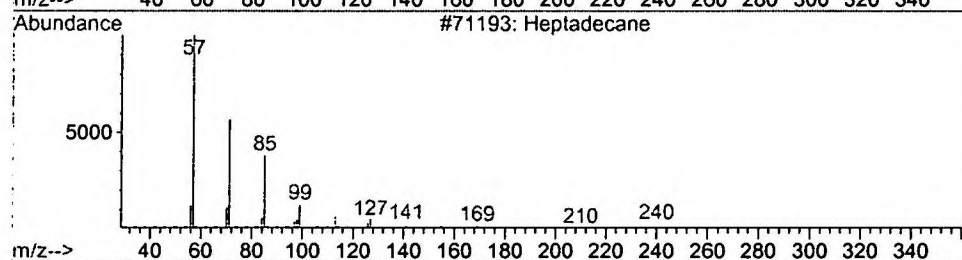
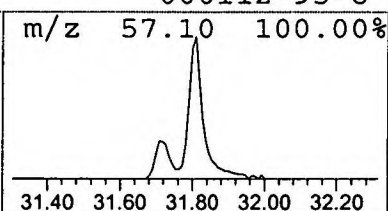
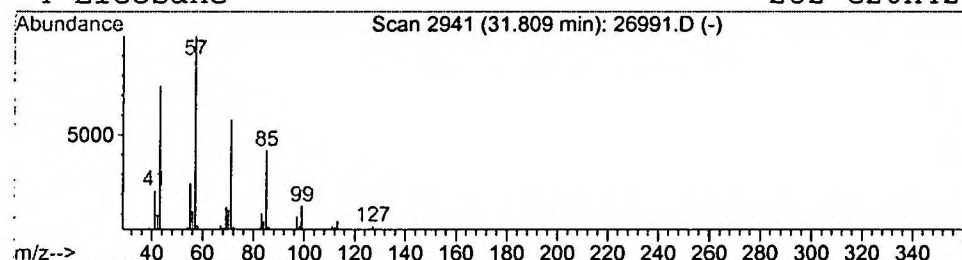
Vial: 17  
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 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
 Title : 208 625/TCLP calibration table  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 6 Heptadecane Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 31.81 | 1.02 ng/uL | 295236 | Chrysene-d12     | 33.18 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane  | 240 | C17H36  | 000629-78-7 | 90   |
| 2    |    | Pentacosane  | 352 | C25H52  | 000629-99-2 | 87   |
| 3    |    | Tricosane    | 324 | C23H48  | 000638-67-5 | 87   |
| 4    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 87   |



# Library Search Compound Report

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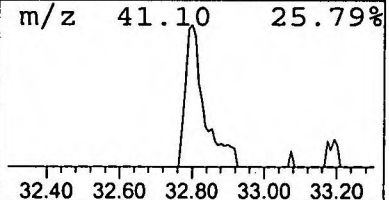
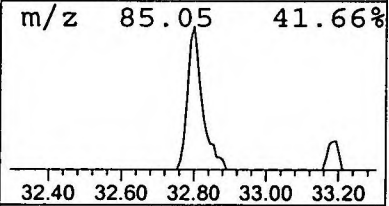
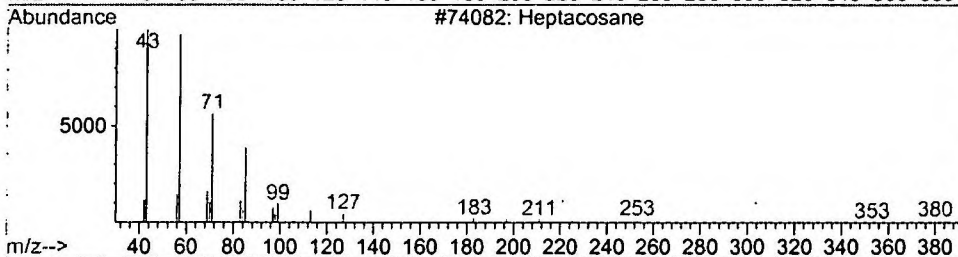
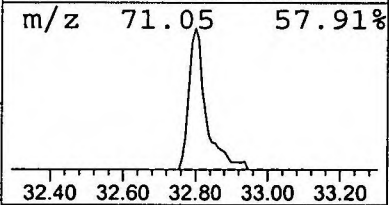
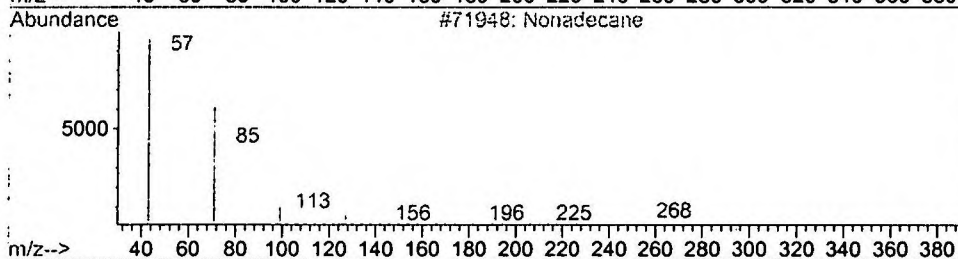
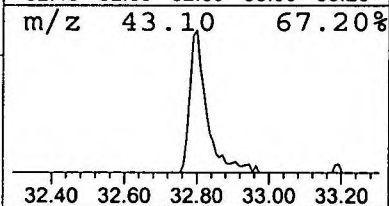
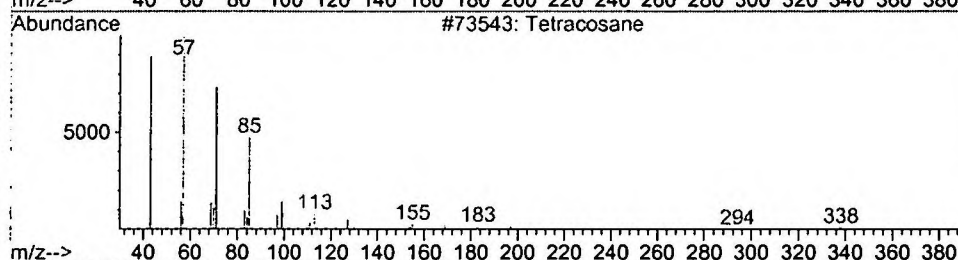
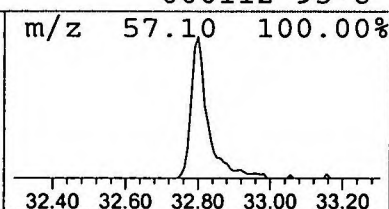
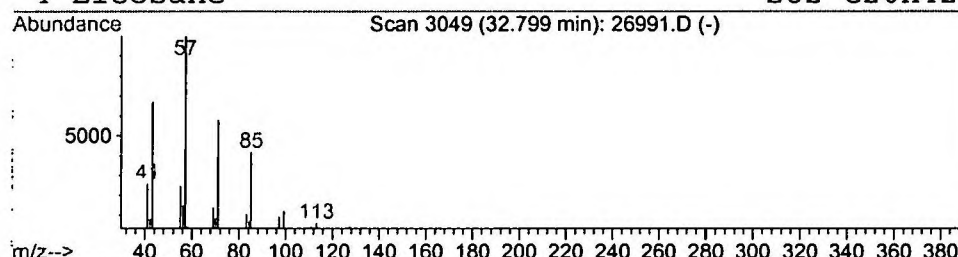
Vial: 17  
 Operator: GALOS  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
 Title : 208 625/TCLP calibration table  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 7 Tetracosane Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 32.80 | 0.84 ng/uL | 241724 | Chrysene-d12     | 33.18 |

| Hit# of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|-----------|--------------|-----|---------|-------------|------|
| 1         | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |
| 2         | Nonadecane   | 268 | C19H40  | 000629-92-5 | 90   |
| 3         | Heptacosane  | 380 | C27H56  | 000593-49-7 | 90   |
| 4         | Eicosane     | 282 | C20H42  | 000112-95-8 | 72   |



# Library Search Compound Report

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 MS Integration Params: LSCINT.P

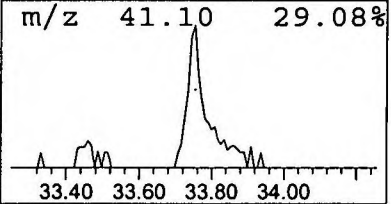
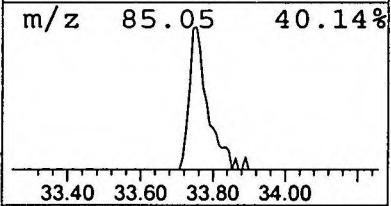
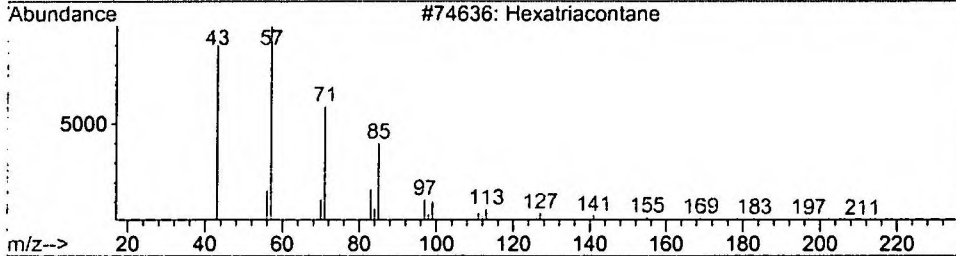
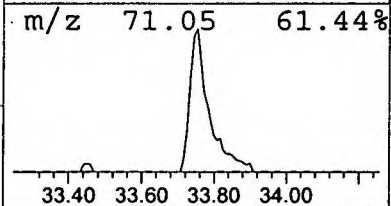
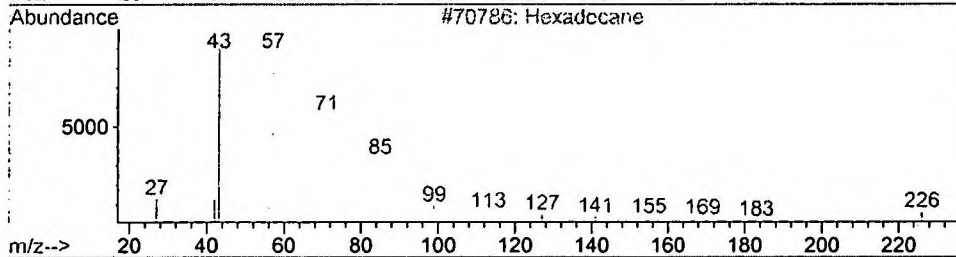
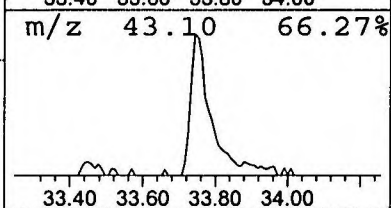
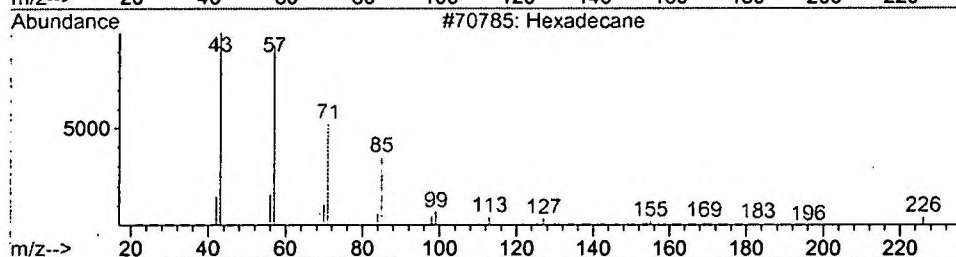
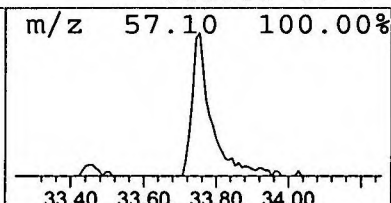
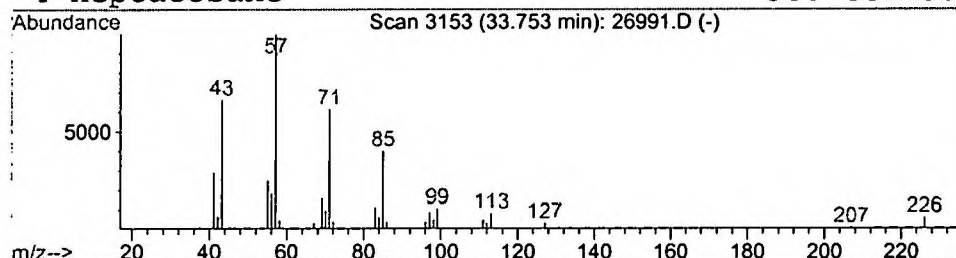
Vial: 17  
 Operator: GALOS  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
 Title : 208 625/TCLP calibration table  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 8 Hexadecane Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 33.75 | 0.87 ng/uL | 252486 | Chrysene-d12     | 33.18 |

| Hit# | of | 5 | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------|-----|---------|-------------|------|
| 1    |    |   | Hexadecane      | 226 | C16H34  | 000544-76-3 | 93   |
| 2    |    |   | Hexadecane      | 226 | C16H34  | 000544-76-3 | 87   |
| 3    |    |   | Hexatriacontane | 507 | C36H74  | 000630-06-8 | 86   |
| 4    |    |   | Heptacosane     | 380 | C27H56  | 000593-49-7 | 86   |



# Library Search Compound Report

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 MS Integration Params: LSCINT.P

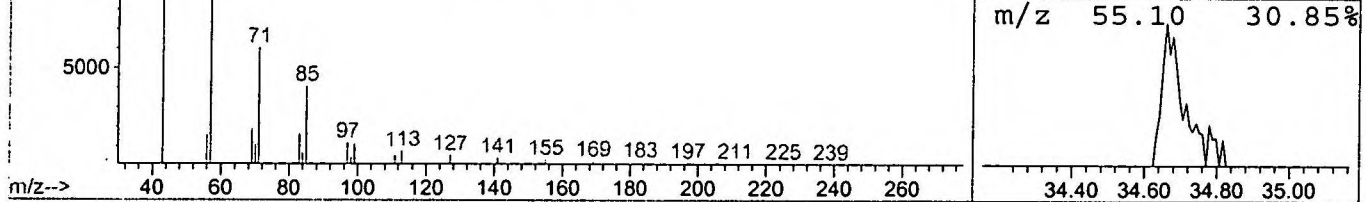
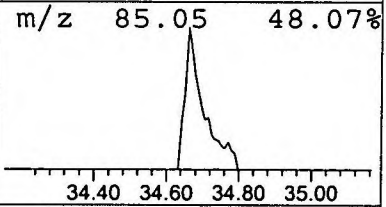
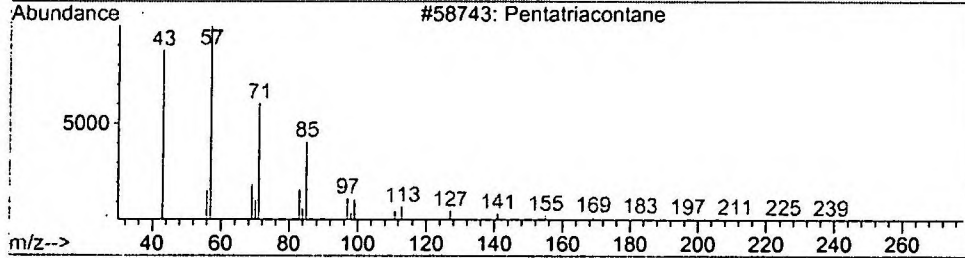
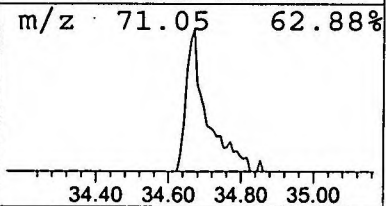
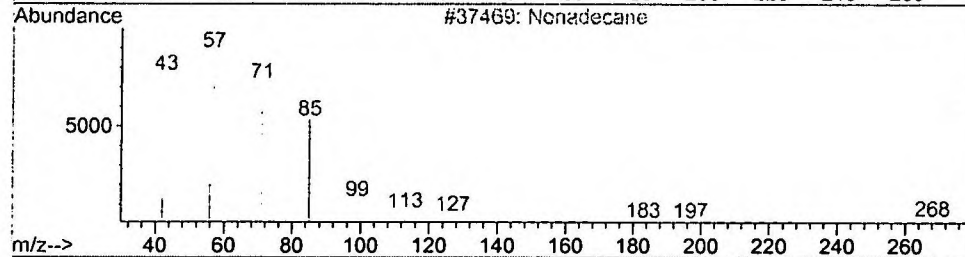
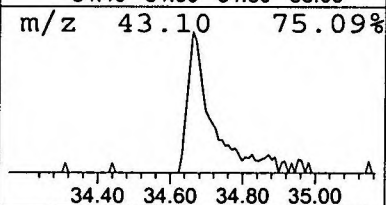
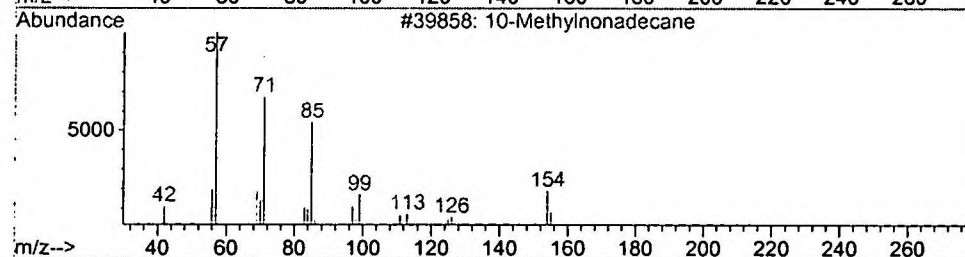
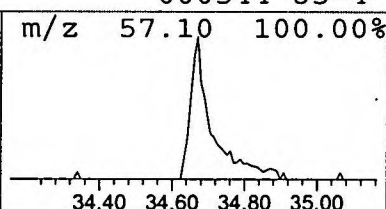
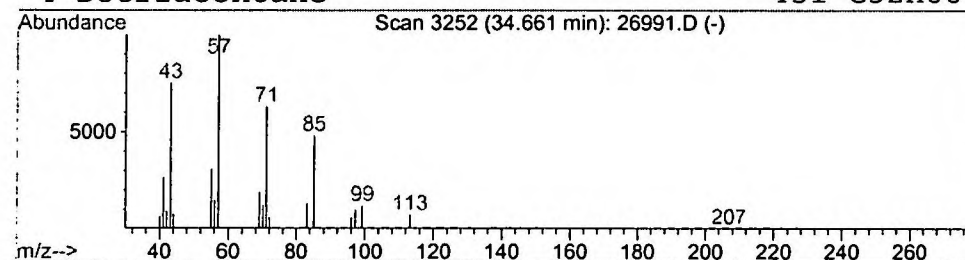
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 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
 Title : 208 625/TCLP calibration table  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 9 10-Methylnonadecane Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 34.66 | 0.54 ng/uL | 154643 | Chrysene-d12     | 33.18 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | 10-Methylnonadecane | 282 | C20H42  | 000000-00-0 | 90   |
| 2    |    |   | Nonadecane          | 268 | C19H40  | 000629-92-5 | 90   |
| 3    |    |   | Pentatriacontane    | 493 | C35H72  | 000630-07-9 | 86   |
| 4    |    |   | Dotriacontane       | 451 | C32H66  | 000544-85-4 | 86   |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26991.D  
Acq On : 7 Dec 2001 12:43 am  
Sample : gc/ms unknown  
Misc :  
MS Integration Params: LSCINT.P

Vial: 17  
Operator: GALOS  
Inst : GC/MS Ins  
Multiplr: 1.00

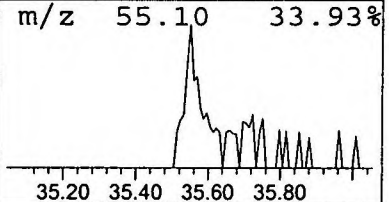
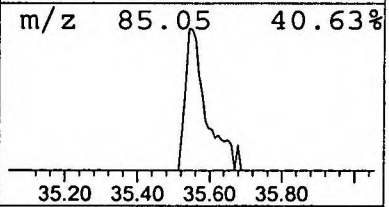
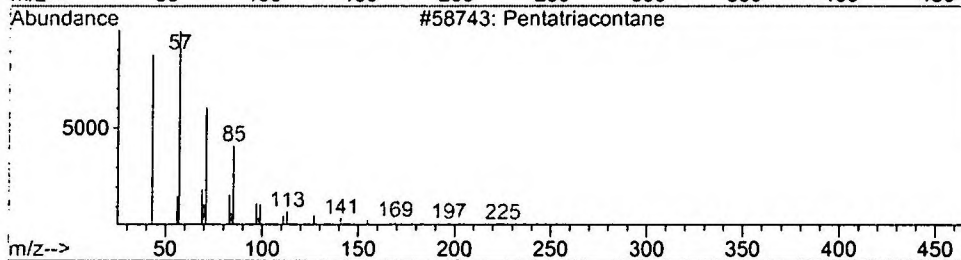
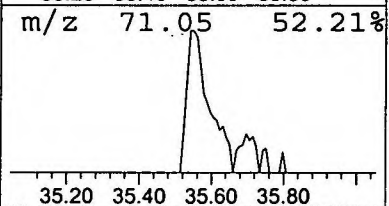
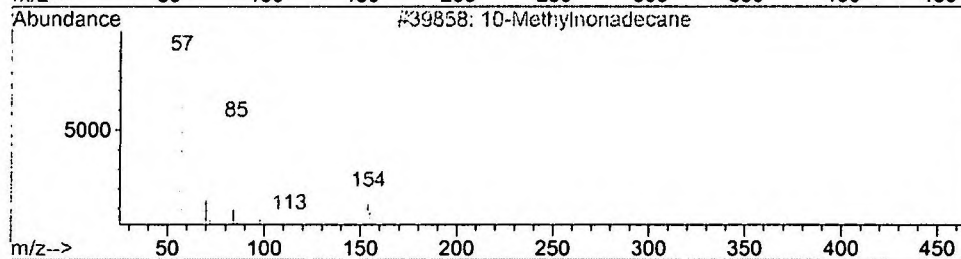
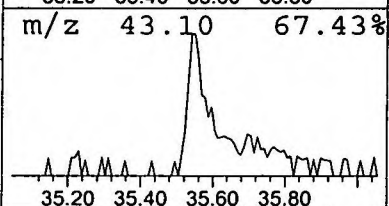
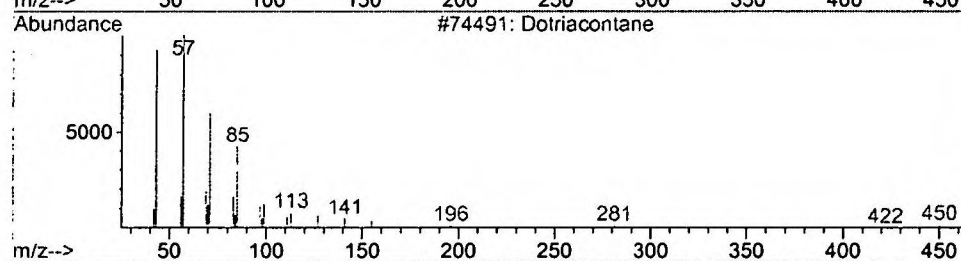
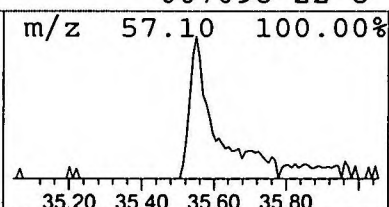
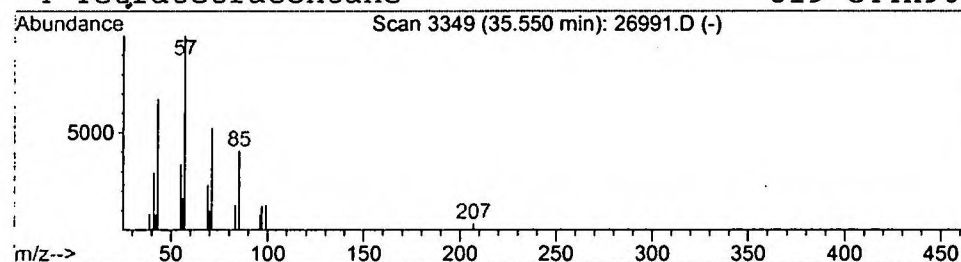
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
Title : 208 625/TCLP calibration table  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 10 Dotriacontane

Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 35.55 | 0.47 ng/uL | 114035 | Perylene-d12     | 37.27 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Dotriacontane       | 451 | C32H66  | 000544-85-4 | 83   |
| 2    |    |   | 10-Methylnonadecane | 282 | C20H42  | 000000-00-0 | 83   |
| 3    |    |   | Pentatriacontane    | 493 | C35H72  | 000630-07-9 | 83   |
| 4    |    |   | Tetratetracontane   | 619 | C44H90  | 007098-22-8 | 83   |



## Tentatively Identified Compound (LSC) summary

Operator ID: GALOS      Date Acquired: 7 Dec 2001 12:43 am  
 Data File: C:\HPCHEM\1\DATA\DEC0601\26991.D  
 Name: gc/ms unknown  
 Misc:  
 Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)  
 Title: 208 625/TCLP calibration table  
 Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name                 | RT    | EstConc | Units | Area    | IntStd | ISRT  | ISArea  | ISConc |
|----------------------------------|-------|---------|-------|---------|--------|-------|---------|--------|
| <del>Cyclohexane</del> , methyl- | 5.03  | 0.5     | ng/uL | 168172  | ISTD01 | 11.89 | 6497670 | 20.0   |
| <del>2-Pentanone</del> , 4-hydro | 7.85  | 4.0     | ng/uL | 1287410 | ISTD01 | 11.89 | 6497670 | 20.0   |
| <del>Cyclopentanecarboxyl</del>  | 29.59 | 0.9     | ng/uL | 262827  | ISTD05 | 33.18 | 5774340 | 20.0   |
| Eicosane                         | 30.77 | 0.4     | ng/uL | 120174  | ISTD05 | 33.18 | 5774340 | 20.0   |
| <del>1-Hexene</del> , 5-methyl-  | 31.72 | 0.6     | ng/uL | 170499  | ISTD05 | 33.18 | 5774340 | 20.0   |
| Heptadecane                      | 31.81 | 1.0     | ng/uL | 295236  | ISTD05 | 33.18 | 5774340 | 20.0   |
| Tetracosane                      | 32.80 | 0.8     | ng/uL | 241724  | ISTD05 | 33.18 | 5774340 | 20.0   |
| Hexadecane                       | 33.75 | 0.9     | ng/uL | 252486  | ISTD05 | 33.18 | 5774340 | 20.0   |
| 10-Methylnonadecane              | 34.66 | 0.5     | ng/uL | 154643  | ISTD05 | 33.18 | 5774340 | 20.0   |
| Dotriacontane                    | 35.55 | 0.5     | ng/uL | 114035  | ISTD06 | 37.27 | 4832750 | 20.0   |

26991.D NP112701.M Tue Dec 11 14:54:40 2001