

User: Galos, Marie  
 Westchester Dept. of Labs & Research  
 Date: 10/10/2001 Time: 14:13:25

Sample: AD23081  
 Analysis: \$GCMS GC/MS Scan For Unknowns  
 Started: 10/10/01 14:12 Ended: 10/10/01 14:12 Analyst: MG  
 Page: 1

|   | Component Name          | Viol. | Result      |
|---|-------------------------|-------|-------------|
| 1 | Other unknown compounds |       | see comment |

## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT0301\23081.D

Vial: 8

Acq On : 3 Oct 2001 7:29 pm

Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 3 20:18 2001

Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Thu Sep 13 12:47:04 2001

Response via : Initial Calibration

DataAcq Meth : NP091101

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 11.79 | 152  | 490944   | 20.00 | ug/l  | -0.12    |
| 19) Naphthalene-d8        | 15.39 | 136  | 1920358  | 20.00 | ug/l  | -0.13    |
| 31) Acenaphthene-d10      | 20.68 | 164  | 913065   | 20.00 | ug/l  | -0.13    |
| 49) Phenanthrene-d10      | 25.12 | 188  | 1314217  | 20.00 | ug/l  | -0.12    |
| 59) Chrysene-d12          | 33.16 | 240  | 958809   | 20.00 | ug/l  | -0.12    |
| 68) Perylene-d12          | 37.27 | 264  | 727286   | 20.00 | ug/l  | -0.15    |

## System Monitoring Compounds

|                           |        |     |          |      |       |       |
|---------------------------|--------|-----|----------|------|-------|-------|
| 4) 2-Fluorophenol         | 0.00   | 112 | 0        | 0.00 | ug/l  |       |
| Spiked Amount             | 75.000 |     | Recovery | =    | 0.00% |       |
| 5) Phenol-d5              | 0.00   | 99  | 0        | 0.00 | ug/l  |       |
| Spiked Amount             | 75.000 |     | Recovery | =    | 0.00% |       |
| 6) 2-Chlorophenol-d4      | 0.00   | 132 | 0        | 0.00 | ug/l  |       |
| Spiked Amount             | 75.000 |     | Recovery | =    | 0.00% |       |
| 7) 1,2-Dichlorobenzene-d4 | 12.30  | 152 | 5087     | 0.21 | ug/l  | -0.13 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.42% |       |
| 20) Nitrobenzene-d5       | 0.00   | 82  | 0        | 0.00 | ug/l  |       |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |       |
| 32) 2-Fluorobiphenyl      | 18.83  | 172 | 1898     | 0.03 | ug/l  | 0.02  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.06% |       |
| 33) 2,4,6-Tribromophenol  | 0.00   | 330 | 0        | 0.00 | ug/l  |       |
| Spiked Amount             | 75.000 |     | Recovery | =    | 0.00% |       |
| 62) Terphenyl-d14         | 0.00   | 244 | 0        | 0.00 | ug/l  |       |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |       |

## Target Compounds

|                                |      |     |   | Qvalue |
|--------------------------------|------|-----|---|--------|
| 2) Pyridine                    | 0.00 | 79  | 0 | N.D.   |
| 3) N-nitroso-dimethyl amine    | 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

23081.D NP091101.M Tue Oct 09 09:37:53 2001

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## Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT0301\23081.D

Vial: 8

Acq On : 3 Oct 2001 7:29 pm

Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 3 20:18 2001

Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Thu Sep 13 12:47:04 2001

Response via : Initial Calibration

DataAcq Meth : NP091101

| Compound                        | R.T.  | QIon | Response | Conc | Unit | Qvalue |
|---------------------------------|-------|------|----------|------|------|--------|
| 17) N-Nitroso-di-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. |      |        |
| 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            | 0.00  | 149  | 0        | N.D. |      |        |
| 46) 4-Chlorophenyl-phenylether  | 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  | 168  | 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                | 25.11 | 178  | 338      | N.D. |      |        |
| 56) Anthracene                  | 25.11 | 178  | 338      | N.D. |      |        |
| 57) Di-n-butylphthalate         | 27.11 | 149  | 62849    | 0.60 | ug/l | 99     |
| 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

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## Quantitation Report

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Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 3 20:18 2001

Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Thu Sep 13 12:47:04 2001

Response via : Initial Calibration

DataAcq Meth : NP091101

| 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         | 33.15 | 228  | 2304     | N.D. |      |        |
| 66) Bis(2-ethylhexyl)phthalate | 33.41 | 149  | 7662     | N.D. |      |        |
| 67) Chrysene                   | 33.15 | 228  | 2304     | 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             | 37.27 | 252  | 2631     | N.D. |      |        |
| 73) Indeno(1,2,3-cd)pyrene     | 0.00  | 276  | 0        | N.D. |      |        |
| 74) Dibenzo(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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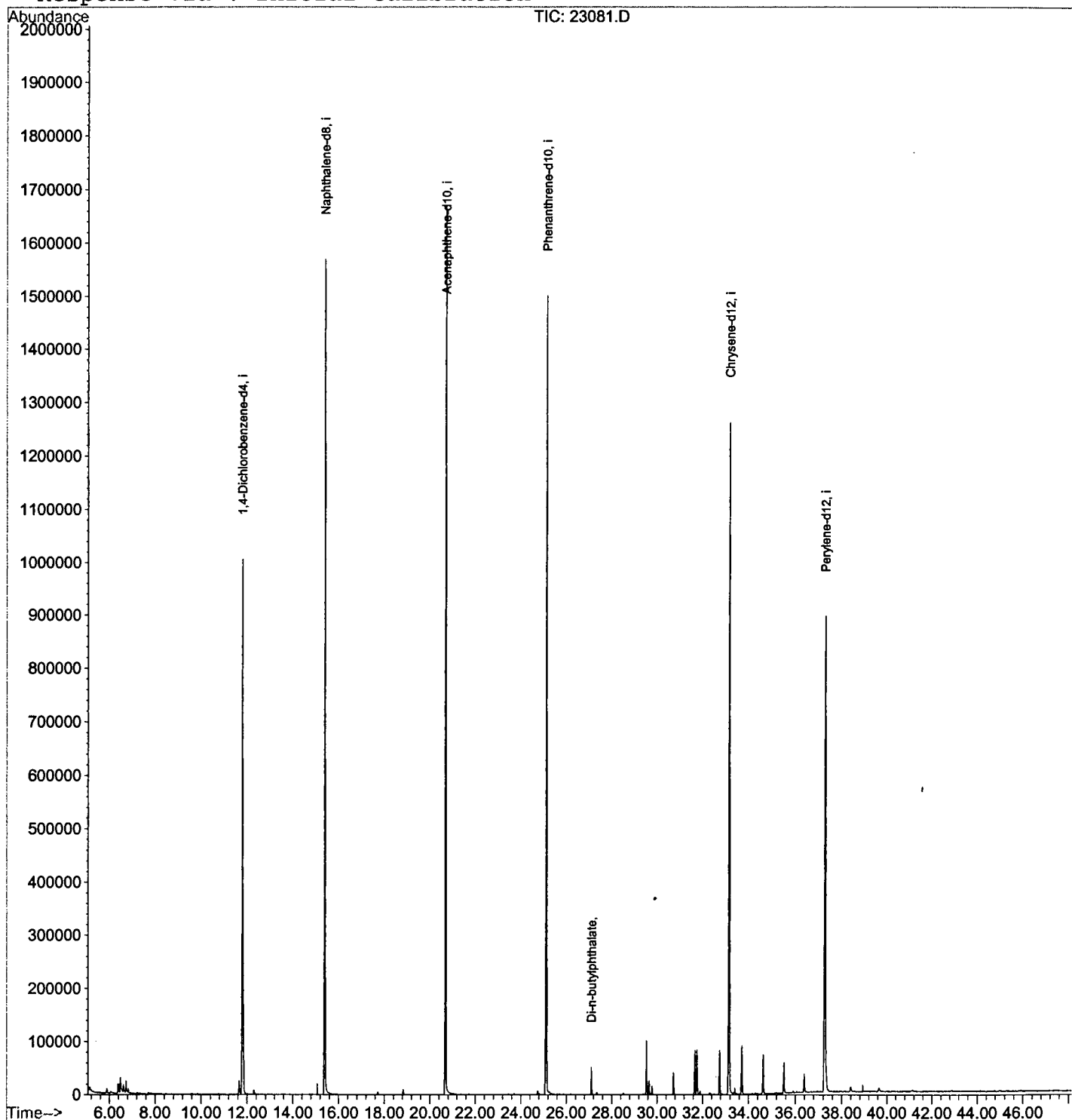
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT0301\23081.D  
Acq On : 3 Oct 2001 7:29 pm  
Sample : gc/ms unknown  
Misc :  
MS Integration Params: RTEINT.P  
Quant Time: Oct 3 20:18 2001

Vial: 8  
Operator: 209 GALOS  
Inst : GC/MS 209  
Multiplr: 1.00

Quant Results File: NP091101.RES

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
Title : 209 625/TCLP calibration table 7/16/01  
Last Update : Thu Sep 13 12:47:04 2001  
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT0301\23081.D

Acq On : 3 Oct 2001 7:29 pm

Sample : gc/ms unknown

Misc :

MS Integration Params: LSCINT.P

Vial: 8

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|-----------|-------------|------------|
| 1      | 6.378    | 142        | 146      | 154       | rBV   | 17960       | 42162     | 1.16%       | 0.207%     |
| 2      | 6.488    | 154        | 158      | 169       | rVV   | 28666       | 81151     | 2.23%       | 0.399%     |
| 3      | 6.736    | 181        | 185      | 195       | rVB   | 21658       | 47181     | 1.30%       | 0.232%     |
| 4      | 11.648   | 715        | 720      | 729       | rBV   | 25763       | 65378     | 1.80%       | 0.322%     |
| 5      | 11.785   | 729        | 735      | 753       | rBV   | 1005187     | 2514765   | 69.22%      | 12.372%    |
| 6      | 15.393   | 1122       | 1128     | 1146      | rBV   | 1569278     | 3478390   | 95.74%      | 17.112%    |
| 7      | 20.681   | 1697       | 1704     | 1723      | rBV   | 1671360     | 3633167   | 100.00%     | 17.874%    |
| 8      | 25.115   | 2179       | 2187     | 2199      | rBV   | 1500930     | 3315423   | 91.25%      | 16.311%    |
| 9      | 27.107   | 2398       | 2404     | 2413      | rVB   | 51622       | 98576     | 2.71%       | 0.485%     |
| 10     | 29.531   | 2661       | 2668     | 2674      | rBV   | 100852      | 190435    | 5.24%       | 0.937%     |
| 11     | 29.650   | 2677       | 2681     | 2687      | rVB   | 26260       | 51864     | 1.43%       | 0.255%     |
| 12     | 30.724   | 2793       | 2798     | 2803      | rBV   | 41828       | 81456     | 2.24%       | 0.401%     |
| 13     | 31.670   | 2896       | 2901     | 2906      | rBV   | 82518       | 161685    | 4.45%       | 0.795%     |
| 14     | 31.762   | 2906       | 2911     | 2919      | rVB   | 83146       | 162154    | 4.46%       | 0.798%     |
| 15     | 32.753   | 3013       | 3019     | 3025      | rBV   | 82248       | 166911    | 4.59%       | 0.821%     |
| 16     | 33.157   | 3055       | 3063     | 3080      | rBV2  | 1261759     | 2970443   | 81.76%      | 14.613%    |
| 17     | 33.717   | 3116       | 3124     | 3135      | rVB   | 90953       | 205713    | 5.66%       | 1.012%     |
| 18     | 34.635   | 3214       | 3224     | 3237      | rBV   | 73859       | 161596    | 4.45%       | 0.795%     |
| 19     | 35.525   | 3316       | 3321     | 3331      | rBV   | 57899       | 129762    | 3.57%       | 0.638%     |
| 20     | 36.388   | 3410       | 3415     | 3423      | rBV   | 34763       | 81628     | 2.25%       | 0.402%     |
| 21     | 37.270   | 3502       | 3511     | 3525      | rBV2  | 892425      | 2686884   | 73.95%      | 13.218%    |

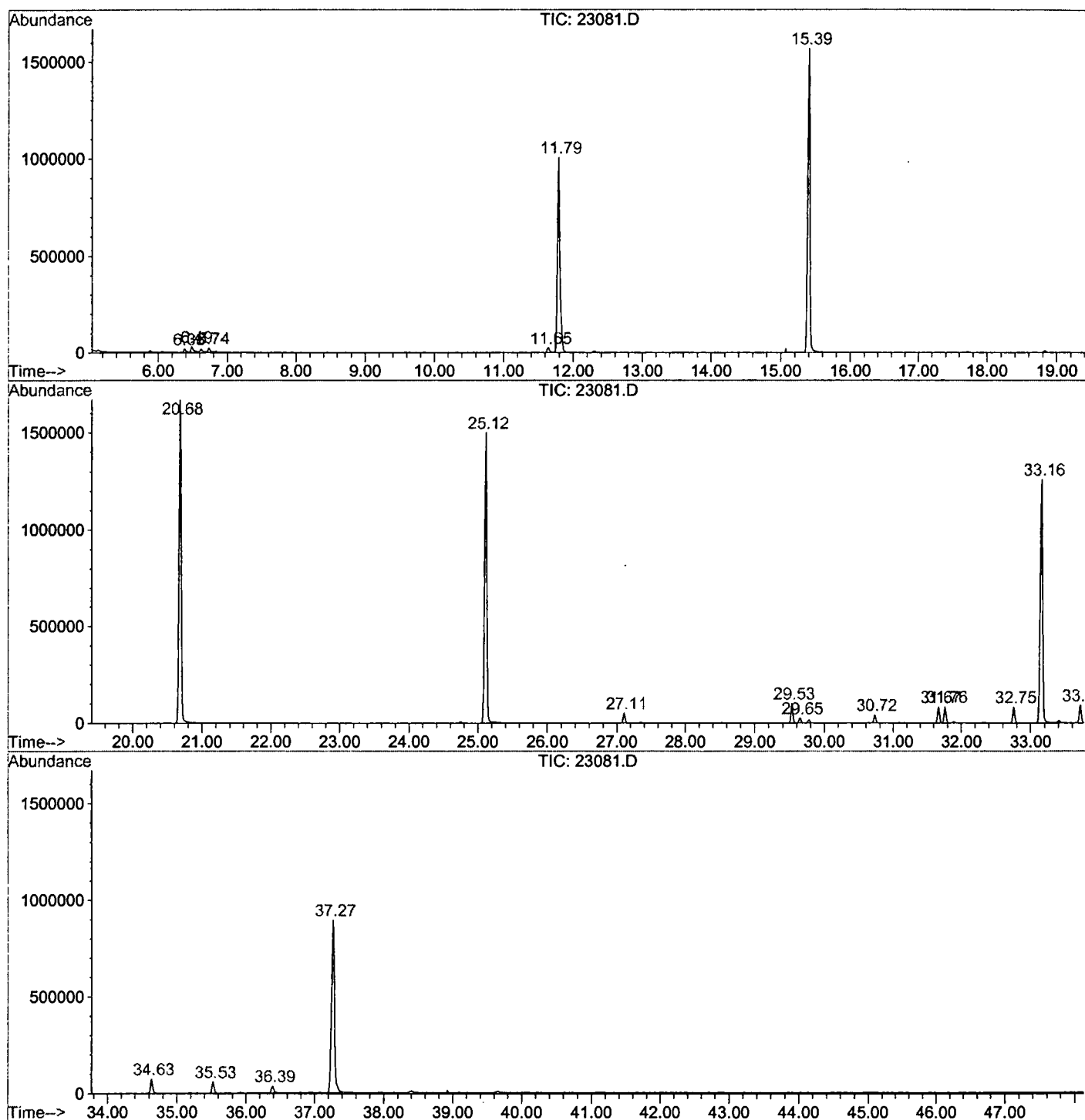
Sum of corrected areas: 20326724

23081.D NP091101.M

Tue Oct 09 10:04:41 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT0301\23081.D  
 Operator : 209 GALOS  
 Acquired : 3 Oct 2001 7:29 pm using AcqMethod NP091101  
 Instrument : GC/MS 209  
 Sample Name: gc/ms unknown  
 Misc Info :  
 Vial Number: 8  
 Quant File :NP091101.RES (RTE Integrator)



23081.D NP091101.M

Tue Oct 09 10:04:47 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0301\23081.D  
 Acq On : 3 Oct 2001 7:29 pm  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: LSCINT.P

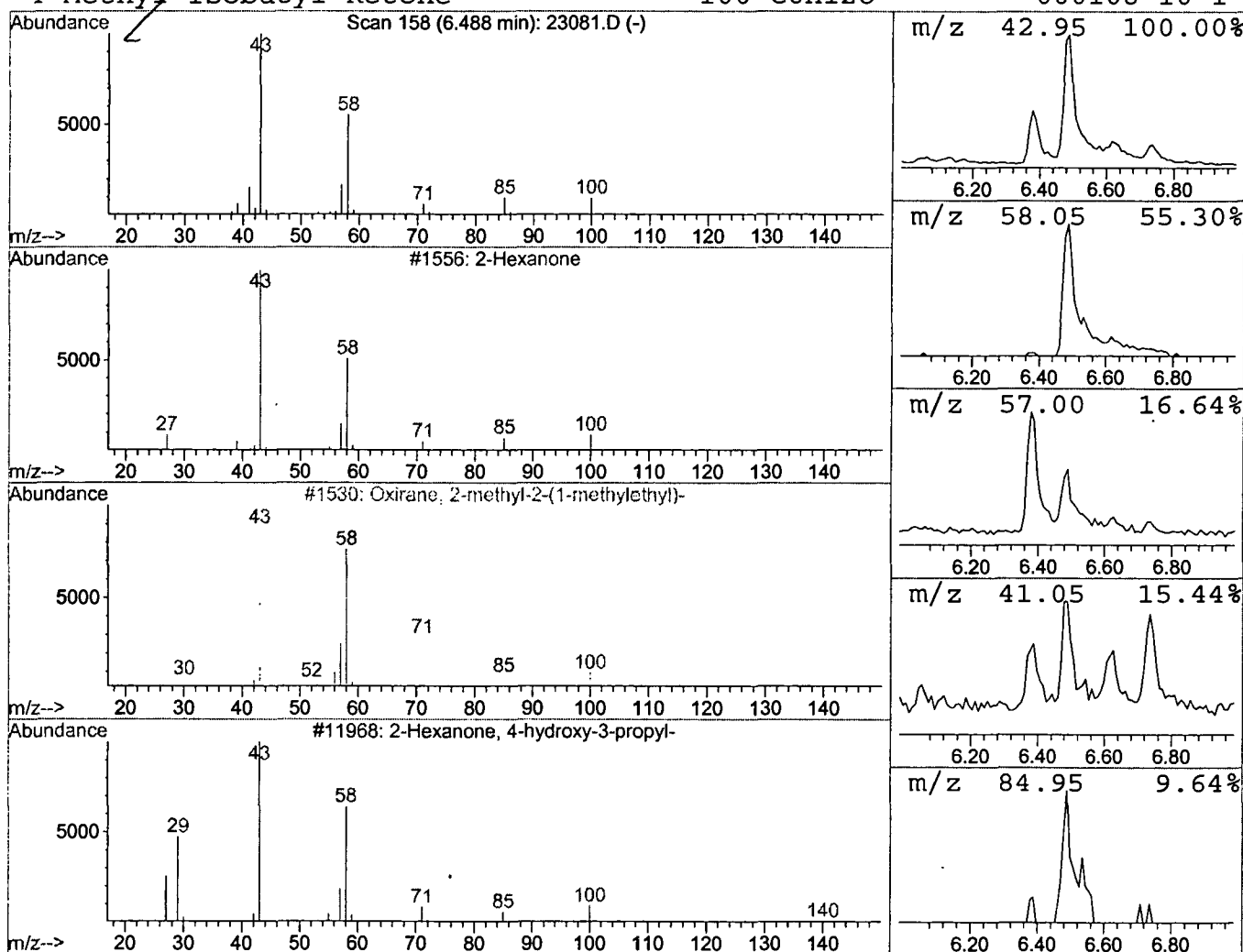
Vial: 8  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 2-Hexanone Concentration Rank 8

| R.T. | EstConc   | Area  | Relative to ISTD       | R.T.  |
|------|-----------|-------|------------------------|-------|
| 6.49 | 0.65 ug/l | 81151 | 1,4-Dichlorobenzene-d4 | 11.79 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Hexanone                          | 100 | C6H12O  | 000591-78-6 | 91   |
| 2    |    |   | Oxirane, 2-methyl-2-(1-methylethyl) | 100 | C6H12O  | 072221-03-5 | 64   |
| 3    |    |   | 2-Hexanone, 4-hydroxy-3-propyl-     | 158 | C9H18O2 | 062338-17-4 | 64   |
| 4    |    |   | Methyl Isobutyl Ketone              | 100 | C6H12O  | 000108-10-1 | 58   |



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Data File : C:\HPCHEM\1\DATA\OCT0301\23081.D

Acq On : 3 Oct 2001 7:29 pm

Sample : gc/ms unknown

Misc :

MS Integration Params: LSCINT.P

Vial: 8

Operator: 209 GALÓS

Inst : GC/MS 209

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

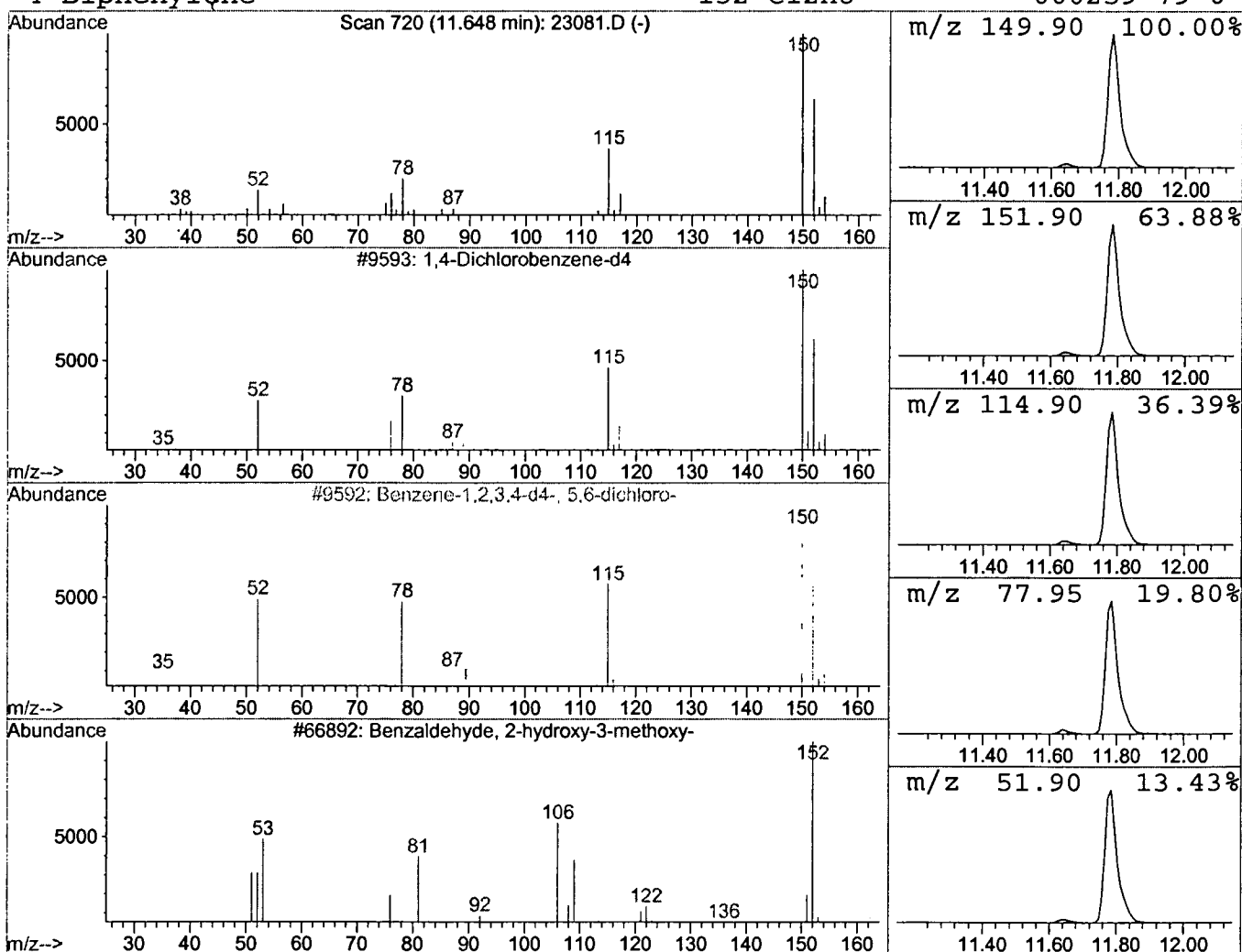
Title : 209 625/TCLP calibration table 7/16/01

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 1,4-Dichlorobenzene-d4 Concentration Rank 11

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 11.65 | 0.52 ug/l | 65378 | 1,4-Dichlorobenzene-d4 | 11.79 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,4-Dichlorobenzene-d4             | 150 | C6Cl2D4 | 003855-82-1 | 42   |
| 2    |    |   | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 28   |
| 3    |    |   | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3  | 000148-53-8 | 10   |
| 4    |    |   | Biphenylene                        | 152 | C12H8   | 000259-79-0 | 9    |



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 Misc :  
 MS Integration Params: LSCINT.P

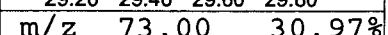
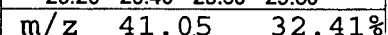
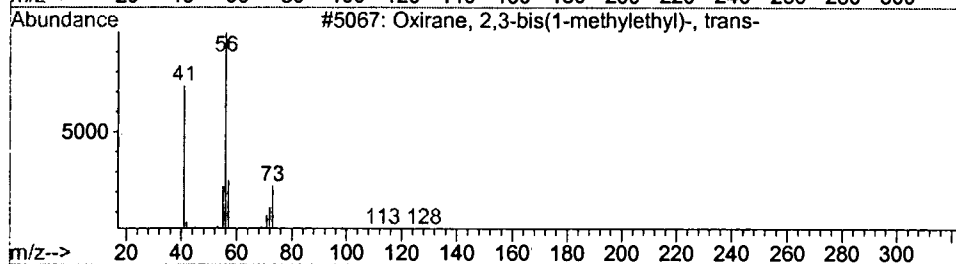
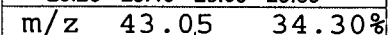
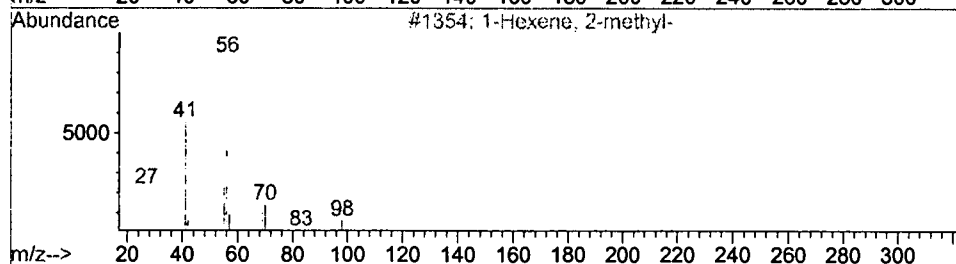
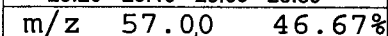
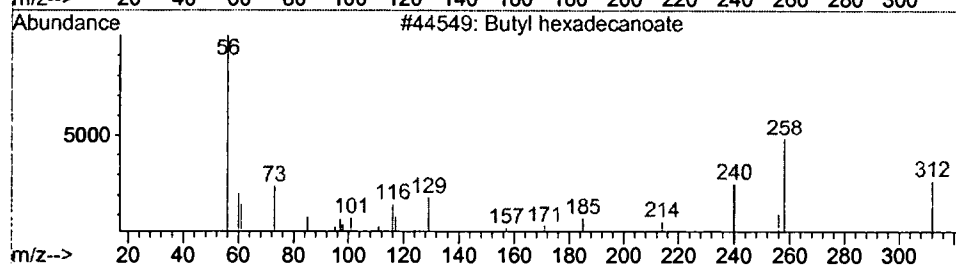
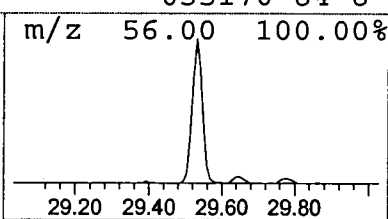
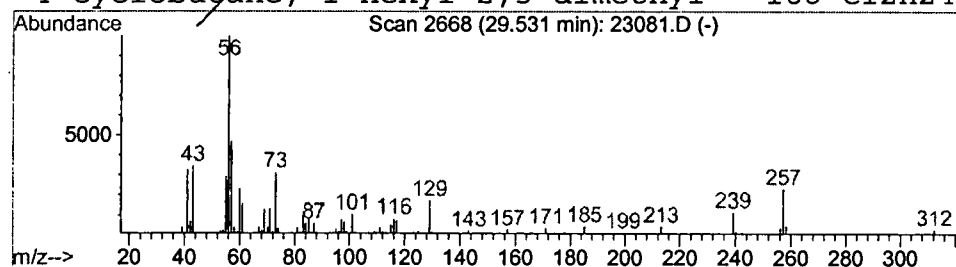
Vial: 8  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Butyl hexadecanoate Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 29.53 | 1.28 ug/l | 190435 | Chrysene-d12     | 33.16 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Butyl hexadecanoate                 | 312 | C20H40O2 | 000000-00-0 | 35   |
| 2    |    |   | 1-Hexene, 2-methyl-                 | 98  | C7H14    | 006094-02-6 | 27   |
| 3    |    |   | Oxirane, 2,3-bis(1-methylethyl)-, t | 128 | C8H16O   | 054644-32-5 | 23   |
| 4    |    |   | Cyclobutane, 1-hexyl-2,3-dimethyl-  | 168 | C12H24   | 055170-84-8 | 16   |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0301\23081.D  
 Acq On : 3 Oct 2001 7:29 pm  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: LSCINT.P

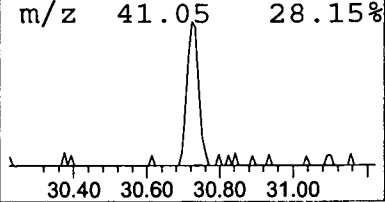
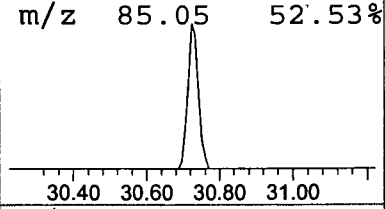
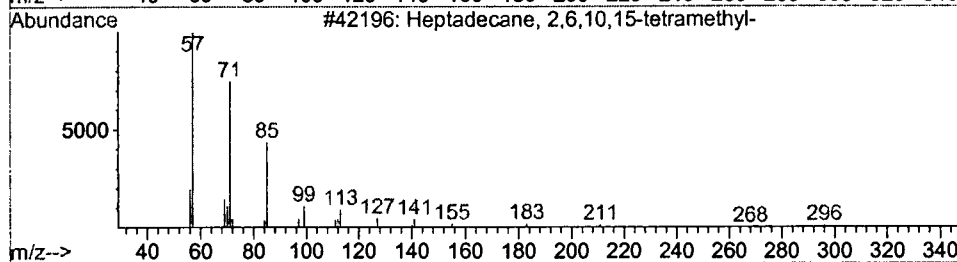
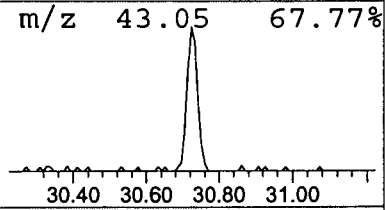
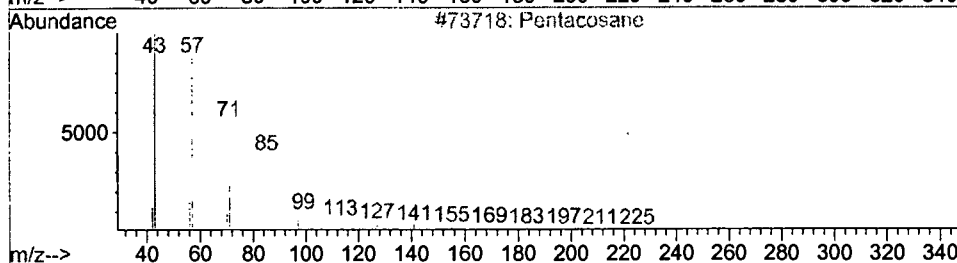
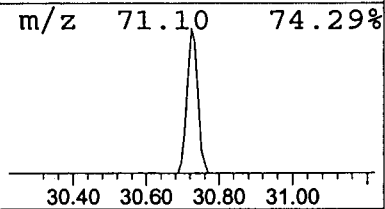
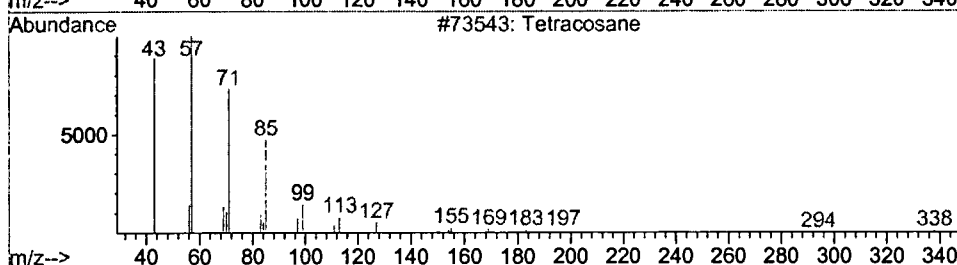
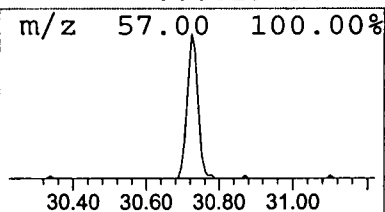
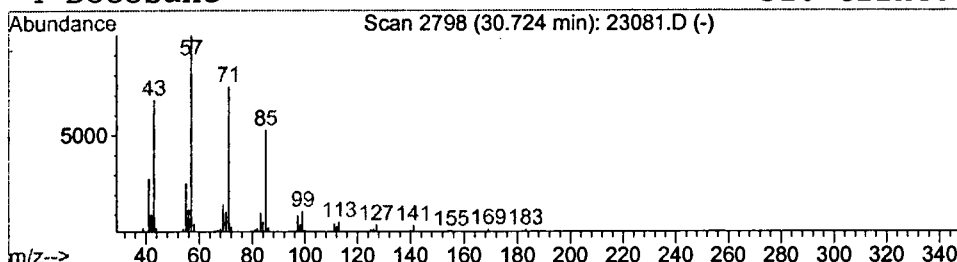
Vial: 8  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Library : C:\DATABASE\NBS75K.L

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

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 30.72 | 0.55 ug/l | 81456 | Chrysene-d12     | 33.16 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 91   |
| 2    |    |   | Pentacosane                         | 352 | C25H52  | 000629-99-2 | 91   |
| 3    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 90   |
| 4    |    |   | Docosane                            | 310 | C22H46  | 000629-97-0 | 86   |



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 Misc :  
 MS Integration Params: LSCINT.P

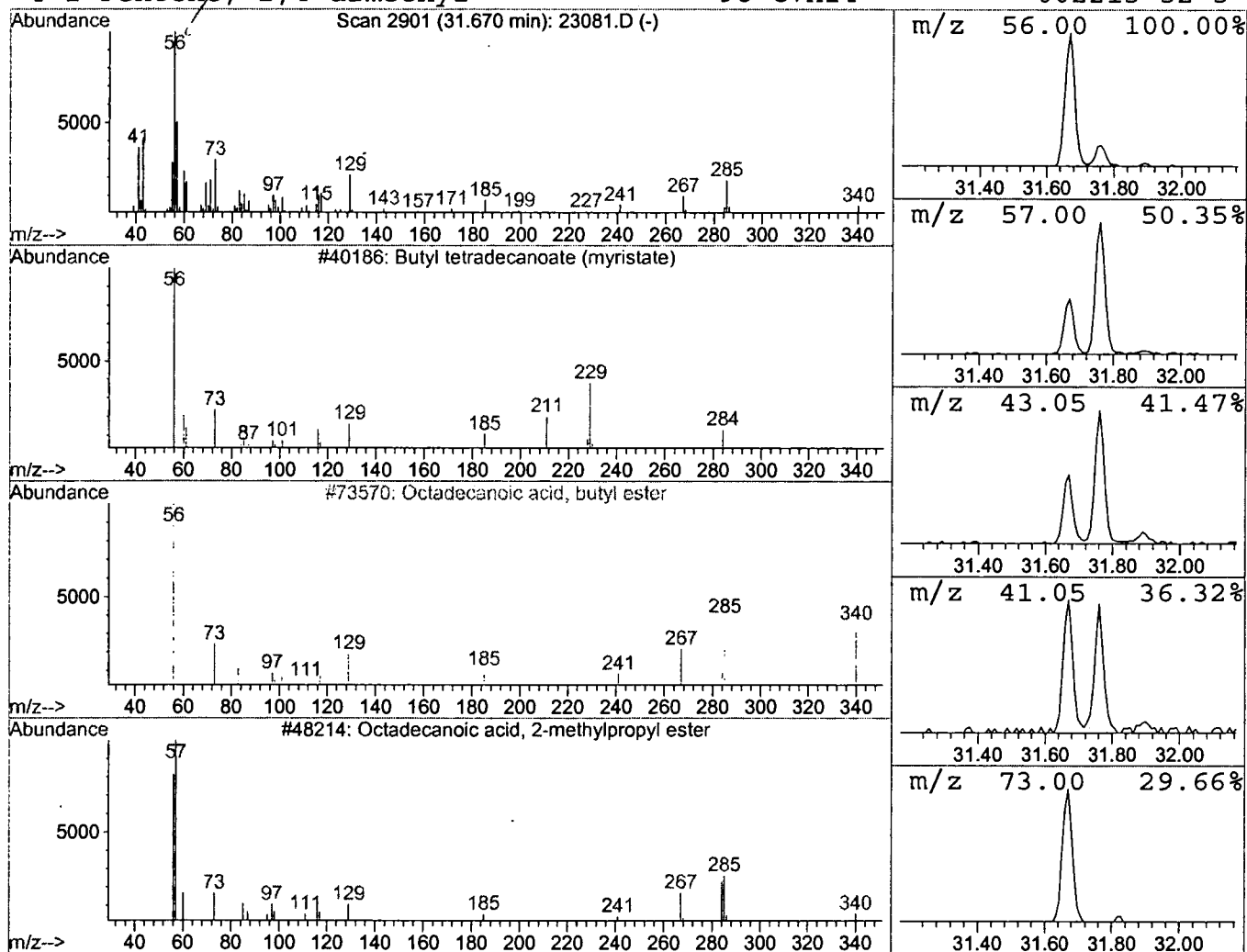
Vial: 8  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 5 Butyl tetradecanoate (myristat Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 31.67 | 1.09 ug/l | 161685 | Chrysene-d12     | 33.16 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|-----------|-------------------------------------|-----|----------|-------------|------|
| 1         | Butyl tetradecanoate (myristate)    | 284 | C18H36O2 | 000000-00-0 | 72   |
| 2         | Octadecanoic acid, butyl ester      | 340 | C22H44O2 | 000123-95-5 | 64   |
| 3         | Octadecanoic acid, 2-methylpropyl e | 340 | C22H44O2 | 000646-13-9 | 46   |
| 4         | 1-Pentene, 2,4-dimethyl-            | 98  | C7H14    | 002213-32-3 | 27   |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0301\23081.D

Acq On : 3 Oct 2001 7:29 pm

Sample : gc/ms unknown

Misc :

MS Integration Params: LSCINT.P

Vial: 8

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Library : C:\DATABASE\NBS75K.L

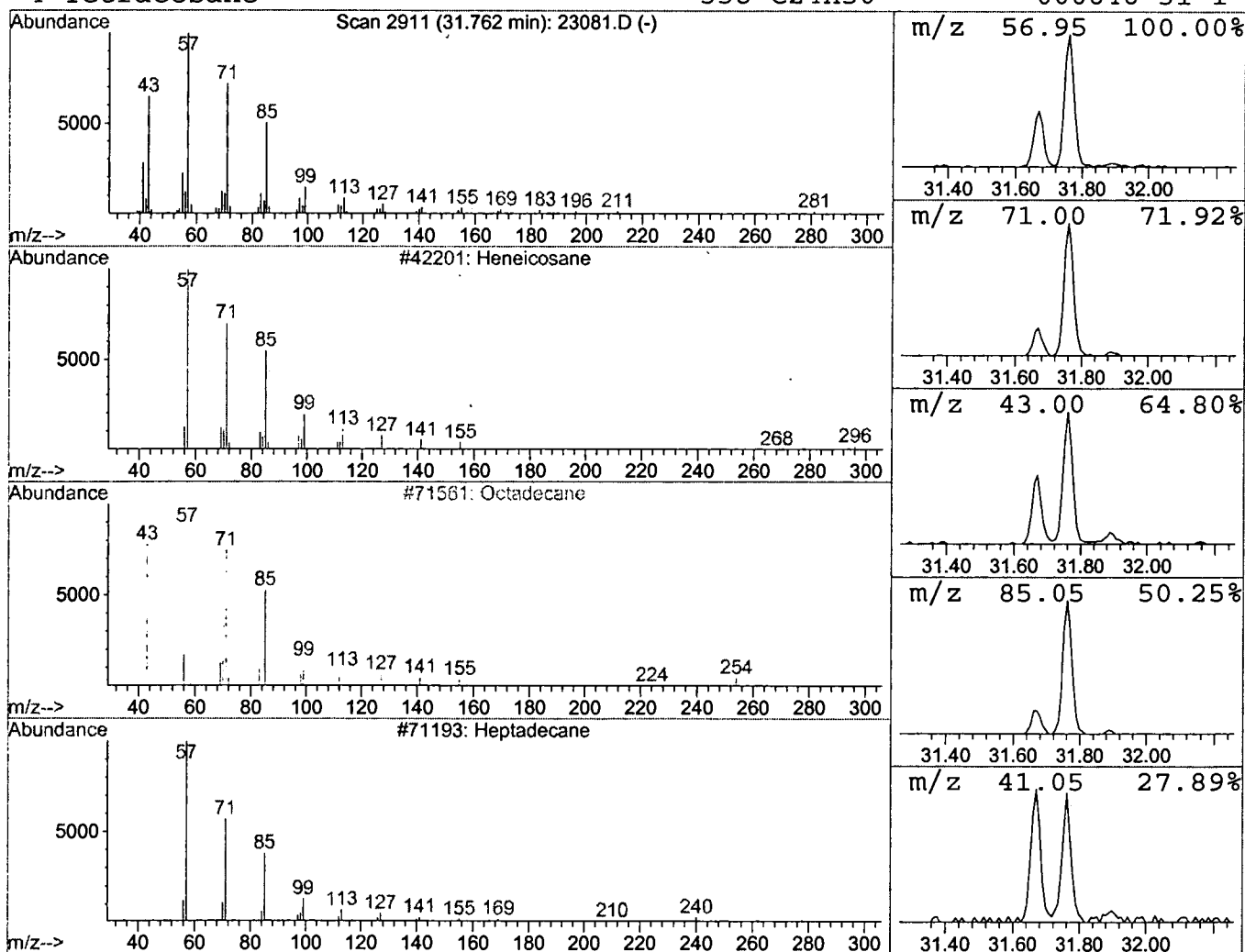
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Peak Number 6 Heneicosane

Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 31.76 | 1.09 ug/l | 162154 | Chrysene-d12     | 33.16 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    |   | Octadecane   | 254 | C18H38  | 000593-45-3 | 91   |
| 3    |    |   | Heptadecane  | 240 | C17H36  | 000629-78-7 | 91   |
| 4    |    |   | Tetracosane  | 338 | C24H50  | 000646-31-1 | 87   |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0301\23081.D

Acq On : 3 Oct 2001 7:29 pm

Sample : gc/ms unknown

Misc :

MS Integration Params: LSCINT.P

Vial: 8

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Library : C:\DATABASE\NBS75K.L

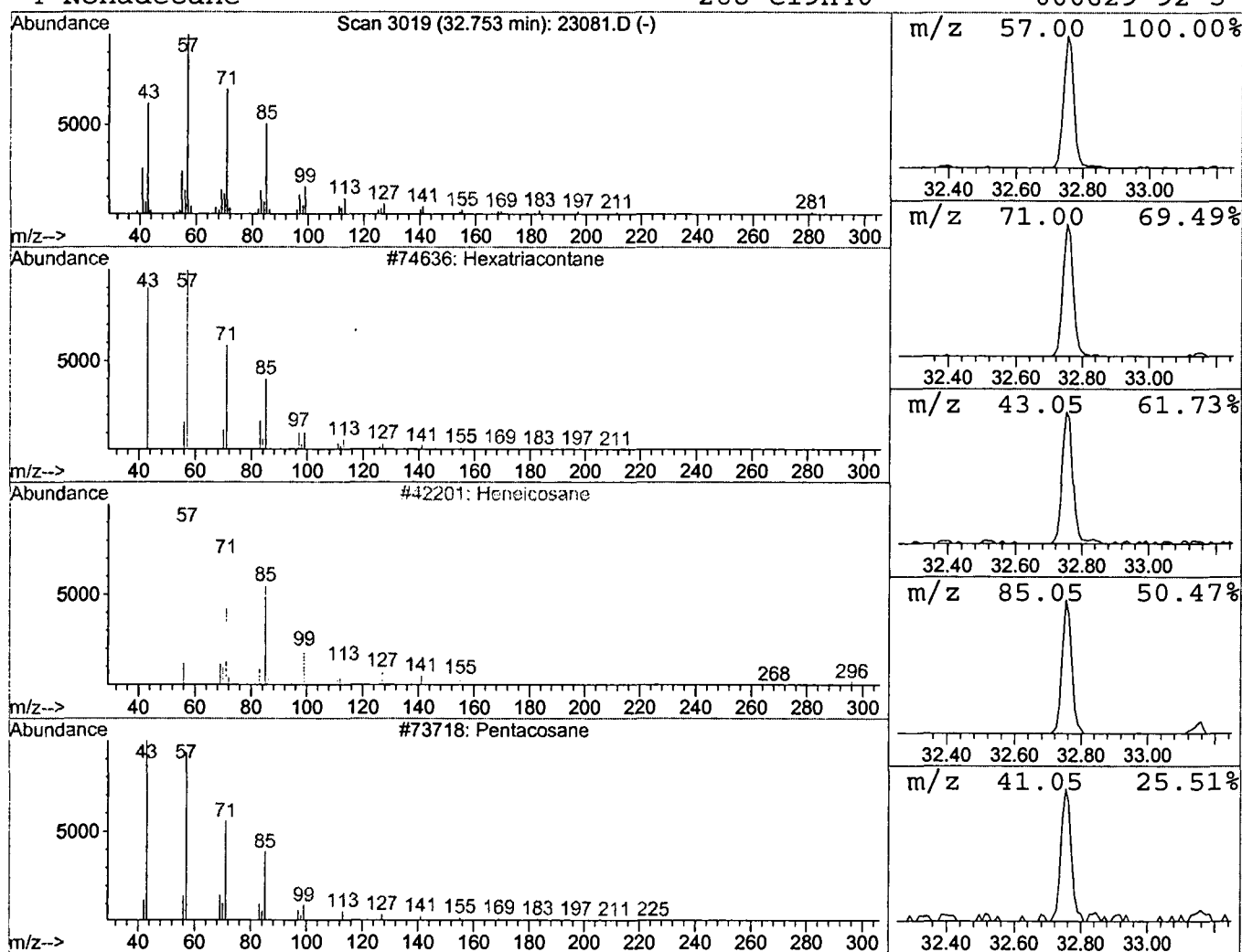
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Peak Number 7 Hexatriacontane

Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 32.75 | 1.12 ug/l | 166911 | Chrysene-d12     | 33.16 |

| Hit# | of | 5 | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------|-----|---------|-------------|------|
| 1    |    |   | Hexatriacontane | 507 | C36H74  | 000630-06-8 | 91   |
| 2    |    |   | Heneicosane     | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    |   | Pentacosane     | 352 | C25H52  | 000629-99-2 | 91   |
| 4    |    |   | Nonadecane      | 268 | C19H40  | 000629-92-5 | 91   |



# Library Search Compound Report

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 Acq On : 3 Oct 2001 7:29 pm  
 Sample : gc/ms unknown  
 Misc :  
 MS Integration Params: LSCINT.P

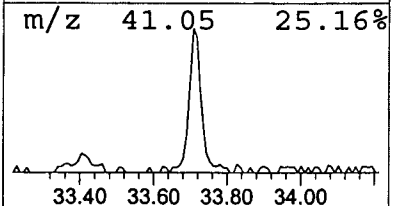
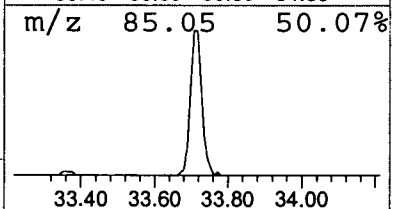
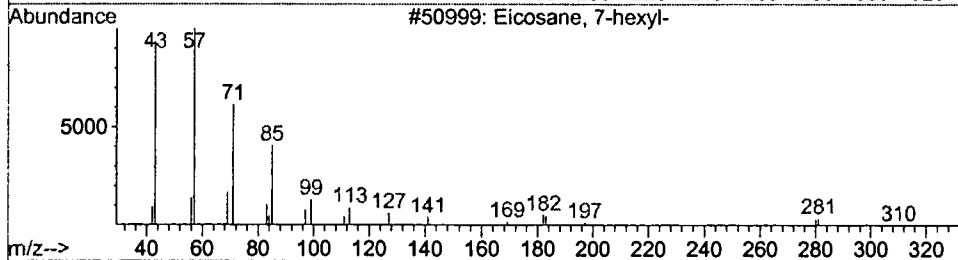
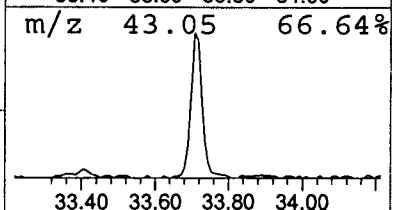
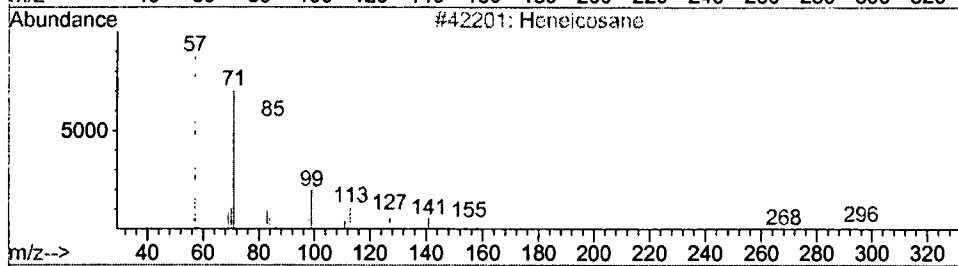
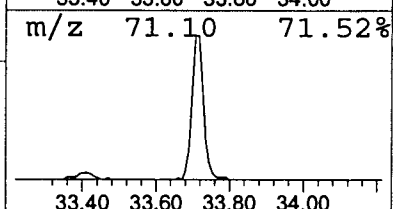
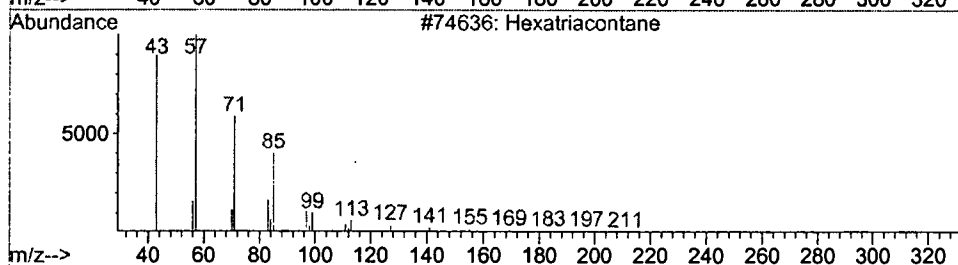
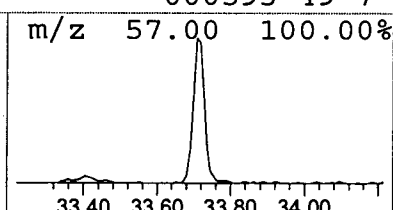
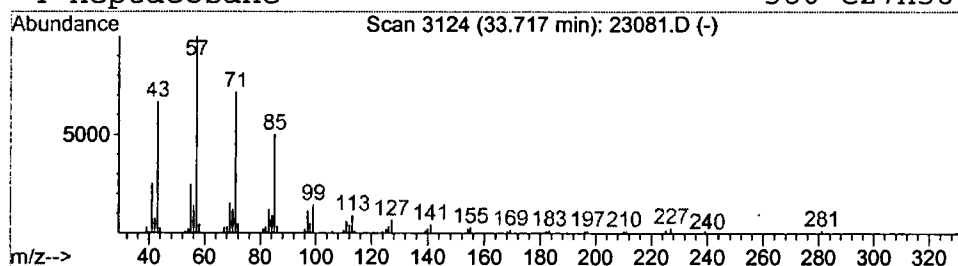
Vial: 8  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 8 Hexatriacontane Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 33.72 | 1.39 ug/l | 205713 | Chrysene-d12     | 33.16 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Hexatriacontane    | 507 | C36H74  | 000630-06-8 | 94   |
| 2    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    |   | Eicosane, 7-hexyl- | 366 | C26H54  | 055333-99-8 | 91   |
| 4    |    |   | Heptacosane        | 380 | C27H56  | 000593-49-7 | 91   |



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Acq On : 3 Oct 2001 7:29 pm

Sample : gc/ms unknown

Misc :

MS Integration Params: LSCINT.P

Vial: 8

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)

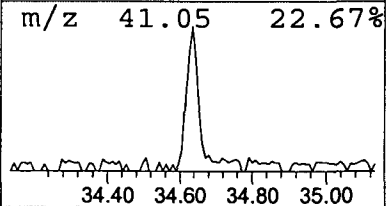
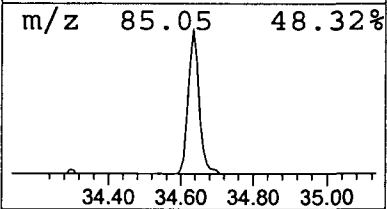
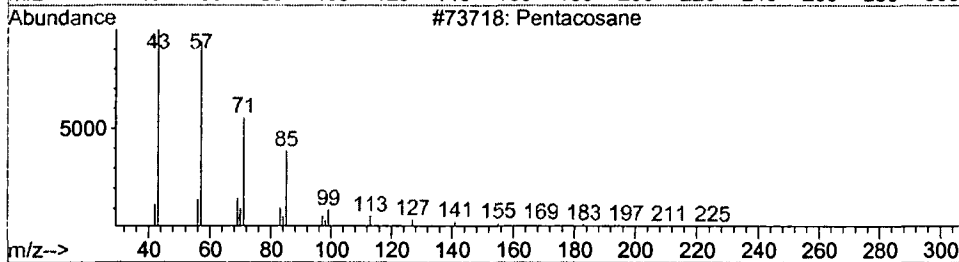
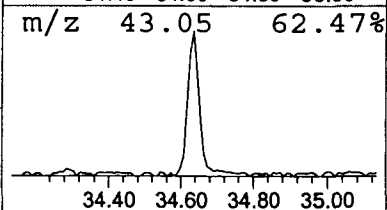
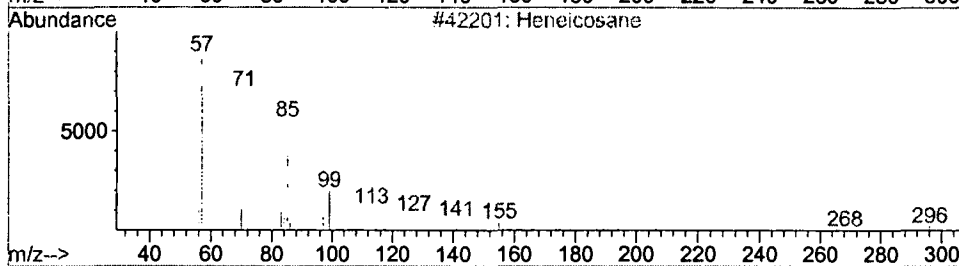
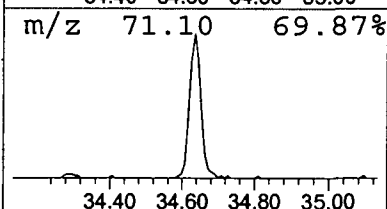
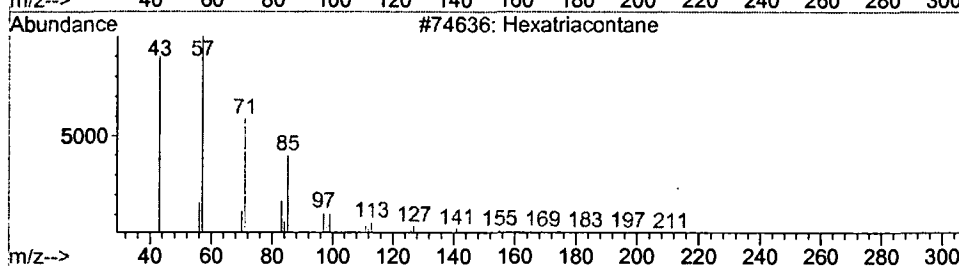
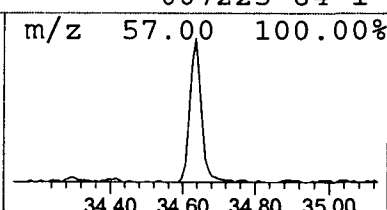
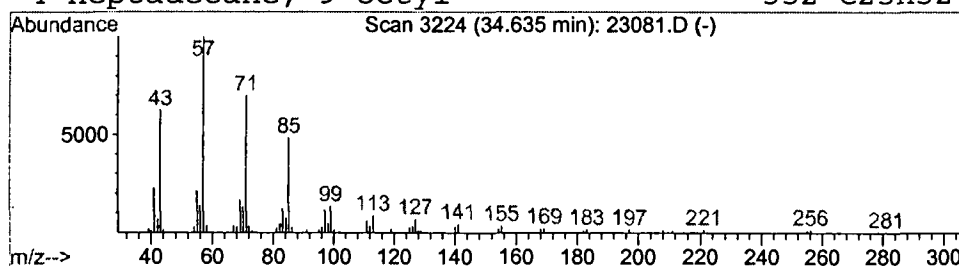
Title : 209 625/TCLP calibration table 7/16/01

Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 9 Hexatriacontane Concentration Rank 6

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 34.64 | 1.09 ug/l | 161596 | Chrysene-d12     | 33.16 |

| Hit# of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------|-----|---------|-------------|------|
| 1       |   | Hexatriacontane       | 507 | C36H74  | 000630-06-8 | 91   |
| 2       |   | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 3       |   | Pentacosane           | 352 | C25H52  | 000629-99-2 | 91   |
| 4       |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |



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Misc :  
MS Integration Params: LSCINT.P

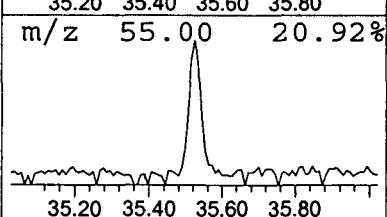
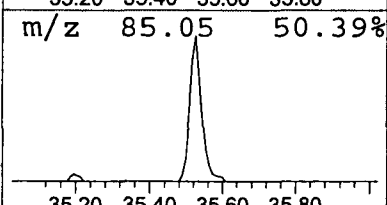
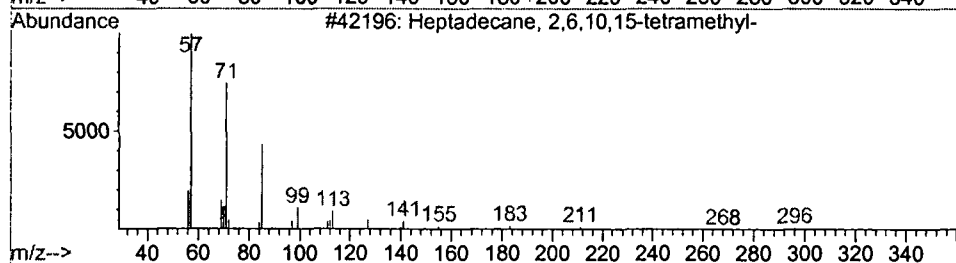
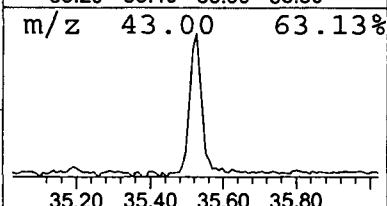
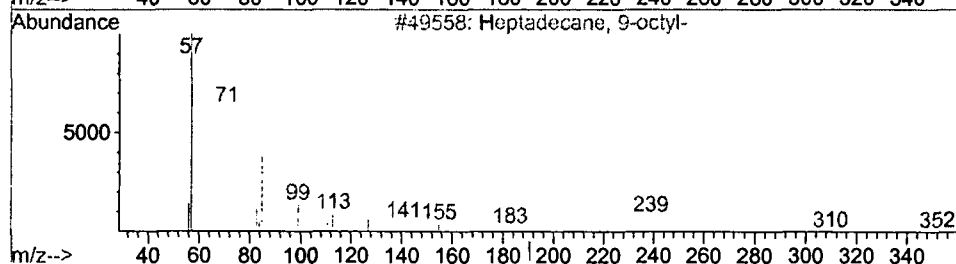
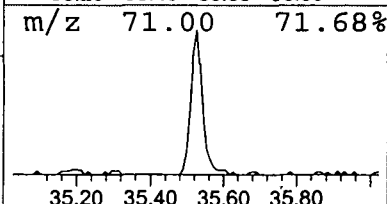
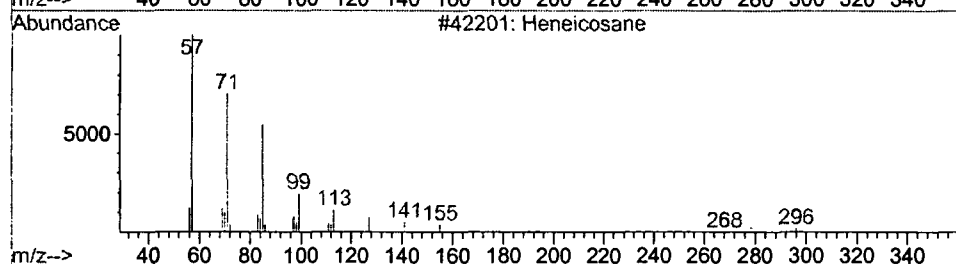
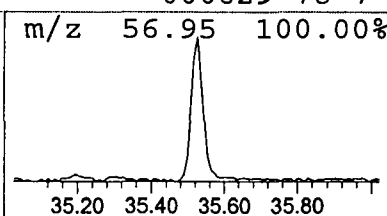
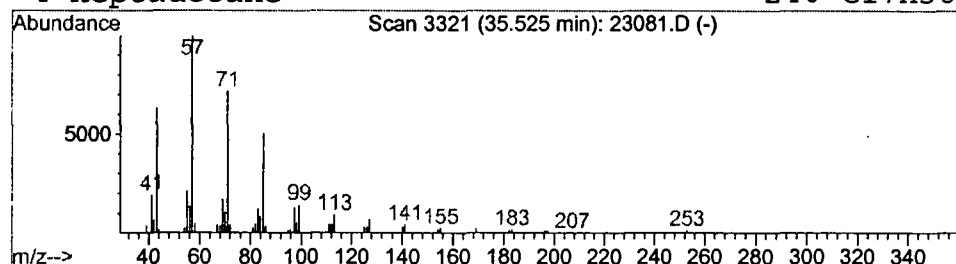
Vial: 8  
Operator: 209 GALOS  
Inst : GC/MS 209  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
Title : 209 625/TCLP calibration table 7/16/01  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 10 Heneicosane Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 35.53 | 0.97 ug/l | 129762 | Perylene-d12     | 37.27 |

| Hit# of | 5                                   | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|--------|-------------|------|------|
| 1       | Heneicosane                         | 296          | C21H44 | 000629-94-7 | 91   |      |
| 2       | Heptadecane, 9-octyl-               | 352          | C25H52 | 007225-64-1 | 91   |      |
| 3       | Heptadecane, 2,6,10,15-tetramethyl- | 296          | C21H44 | 054833-48-6 | 91   |      |
| 4       | Heptadecane                         | 240          | C17H36 | 000629-78-7 | 91   |      |



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 Misc :  
 MS Integration Params: LSCINT.P

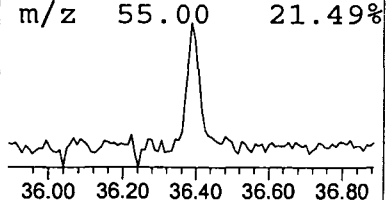
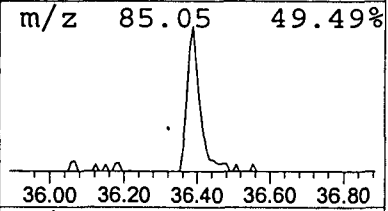
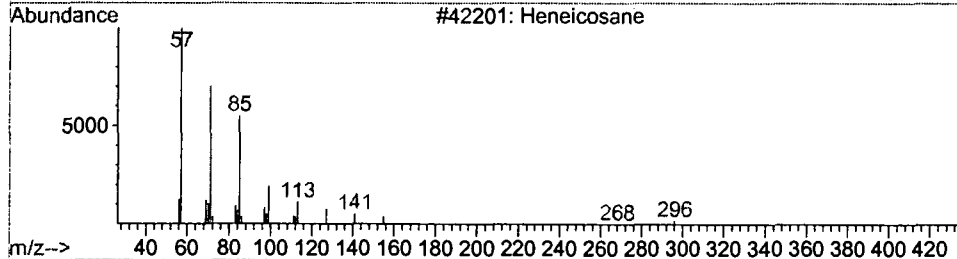
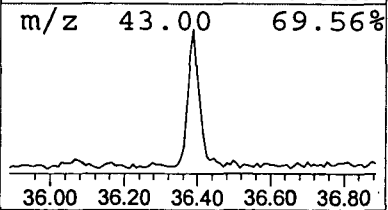
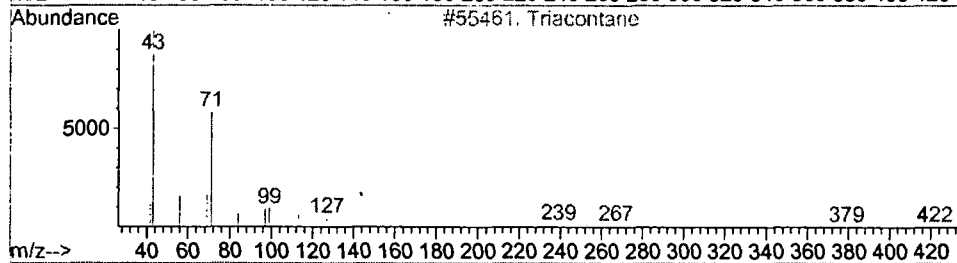
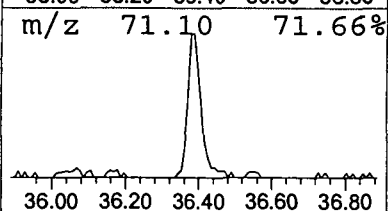
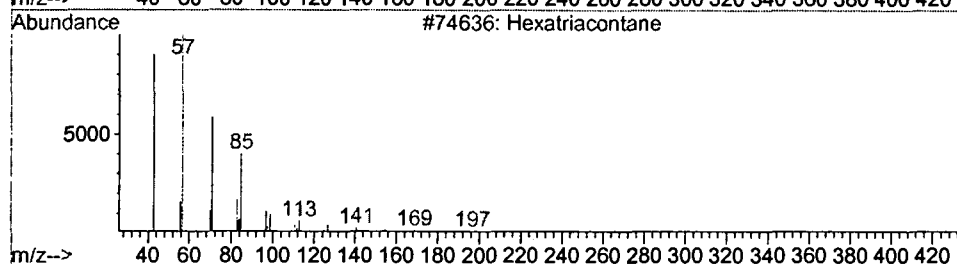
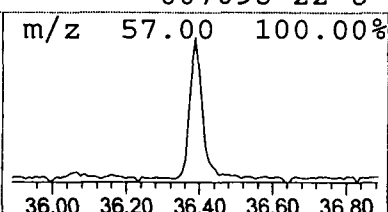
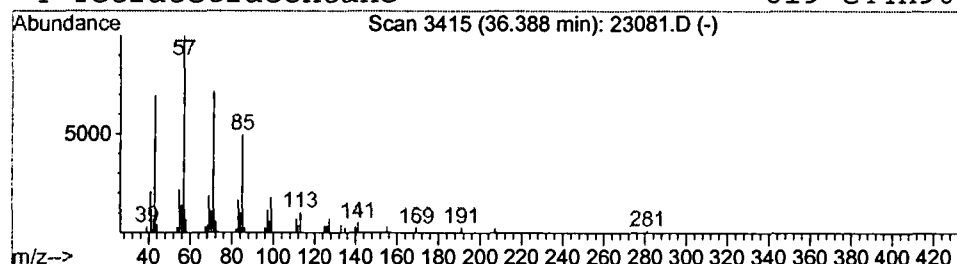
Vial: 8  
 Operator: 209 GALOS  
 Inst : GC/MS 209  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title : 209 625/TCLP calibration table 7/16/01  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 11 Hexatriacontane Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 36.39 | 0.61 ug/l | 81628 | Perylene-d12     | 37.27 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | Hexatriacontane   | 507 | C36H74  | 000630-06-8 | 91   |
| 2    |    |   | Triacontane       | 422 | C30H62  | 000638-68-6 | 91   |
| 3    |    |   | Heneicosane       | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    |   | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |



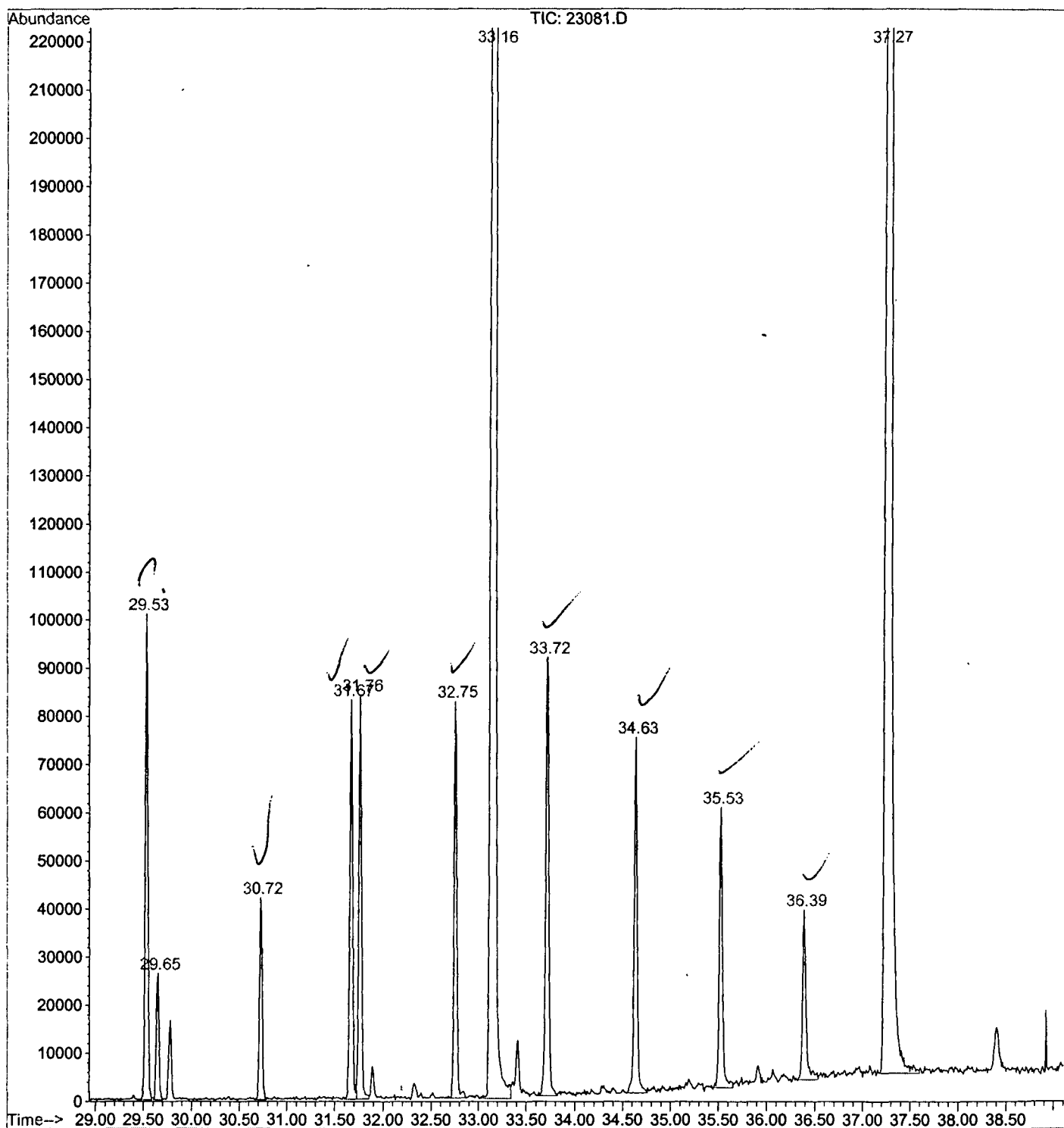
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Operator ID: 209 GALOS Date Acquired: 3 Oct 2001 7:29 pm  
 Data File: C:\HPCHEM\1\DATA\OCT0301\23081.D  
 Name: gc/ms unknown  
 Misc:  
 Method: C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)  
 Title: 209 625/TCLP calibration table 7/16/01  
 Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name                | RT    | EstConc | Units | Area   | IntStd | ISRT  | ISArea  | ISConc |
|---------------------------------|-------|---------|-------|--------|--------|-------|---------|--------|
| <del>2-Hexanone</del>           | 6.49  | 0.6     | ug/l  | 81151  | ISTD01 | 11.79 | 2514770 | 20.0   |
| <del>1,4-Dichlorobenzene-</del> | 11.65 | 0.5     | ug/l  | 65378  | ISTD01 | 11.79 | 2514770 | 20.0   |
| <del>Butyl hexadecanoate</del>  | 29.53 | 1.3     | ug/l  | 190435 | ISTD05 | 33.16 | 2970440 | 20.0   |
| Tetracosane                     | 30.72 | 0.5     | ug/l  | 81456  | ISTD05 | 33.16 | 2970440 | 20.0   |
| <del>Butyl tetradecanoate</del> | 31.67 | 1.1     | ug/l  | 161685 | ISTD05 | 33.16 | 2970440 | 20.0   |
| Heneicosane                     | 31.76 | 1.1     | ug/l  | 162154 | ISTD05 | 33.16 | 2970440 | 20.0   |
| Hexatriacontane                 | 32.75 | 1.1     | ug/l  | 166911 | ISTD05 | 33.16 | 2970440 | 20.0   |
| Hexatriacontane                 | 33.72 | 1.4     | ug/l  | 205713 | ISTD05 | 33.16 | 2970440 | 20.0   |
| Hexatriacontane                 | 34.64 | 1.1     | ug/l  | 161596 | ISTD05 | 33.16 | 2970440 | 20.0   |
| Heneicosane                     | 35.53 | 1.0     | ug/l  | 129762 | ISTD06 | 37.27 | 2686880 | 20.0   |
| Hexatriacontane                 | 36.39 | 0.6     | ug/l  | 81628  | ISTD06 | 37.27 | 2686880 | 20.0   |

23081.D NP091101.M Tue Oct 09 10:05:42 2001

File : C:\HPCHEM\1\DATA\OCT0301\23081.D  
 Operator : 209 GALOS  
 Acquired : 3 Oct 2001 7:29 pm using AcqMethod NP091101  
 Instrument : GC/MS 209  
 Sample Name: gc/ms unknown  
 Misc Info :  
 Vial Number: 8



**Comments for Sample AD23081 - Analysis \$GCMS**

Westchester Dept. of Labs & Research  
User: Vinci, David L  
Date: 10-11-2001 Time: 17:52:45

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does reveal the presence of non-target compounds. These hydrocarbons do not appear to be present in the Laboratory Blank. However, these hydrocarbons were present in previous Laboratory Blanks, and also some samples, analyzed for this NYCDEP project. An investigation is being made to determine the source of these hydrocarbons, if other than the samples themselves, i.e. laboratory equipment and reagents.