User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/18/2002 Time: 10:04:45

Sample: AE08435
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/18/2002 10:04 Ended: 4/18/2002 10:04 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | MDL |
|---|---|---|---|---|
| 1 | Other unknown compounds | | . | |
| 2 | Surr_2,4-DDD | | 82 | 5.0 |

**Comments for Sample AE08435 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-18-2002 Time: 10:05:11

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR1202\8435.D Vial: 24
Acq On : 16 Apr 2002 6:37 am Operator:
Sample : gc/ms scan 4/10 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 17 9:42 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Apr 16 14:55:12 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.23 | 152 | 515785 | 20.00 | ug/l | 0.00 |
| 10) Naphthalene-d8 | 15.87 | 136 | 1893554 | 20.00 | ug/l | 0.00 |
| 17) Acenaphthene-d10 | 21.17 | 164 | 1086656 | 20.00 | ug/l | 0.00 |
| 30) Phenanthrene-d10 | 25.61 | 188 | 1565513 | 20.00 | ug/l | 0.00 |
| 39) Chrysene-d12 | 33.67 | 240 | 980161 | 20.00 | ug/l | 0.00 |
| 45) Perylene-d12 | 37.90 | 264 | 674723 | 20.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 23.31 | 209 | 44691 | 8.21 | ug/L | -0.02 |
| Spiked Amount 10.000 | | | Recovery = 82.10% | | | |
| 38) 2,4-DDD | 0.00 | 235 | 0 | 0.00 | ug/mL | |
| Spiked Amount 5.000 | | | Recovery = 0.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-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-Chloropropan | 0.00 | 45 | 0 | N.D. | | |
| 8) N-Nitroso-di-n-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)methane | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 15) Naphthalene | 15.91 | 128 | 522 | N.D. | | |
| 16) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | | |
| 18) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | | |
| 19) 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | | |
| 20) Dimethylphthalate | 0.00 | 163 | 0 | N.D. | | |
| 21) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 22) Acenaphthylene | 0.00 | 152 | 0 | N.D. | | |
| 23) Acenaphthene | 0.00 | 153 | 0 | N.D. | | |
| 24) 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 25) Diethylphthalate | 22.64 | 149 | 645 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 29) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |
| 31) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | | |
| 32) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR1202\8435.D Vial: 24
Acq On : 16 Apr 2002 6:37 am Operator:
Sample : gc/ms scan 4/10 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 17 9:42 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Apr 16 14:55:12 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

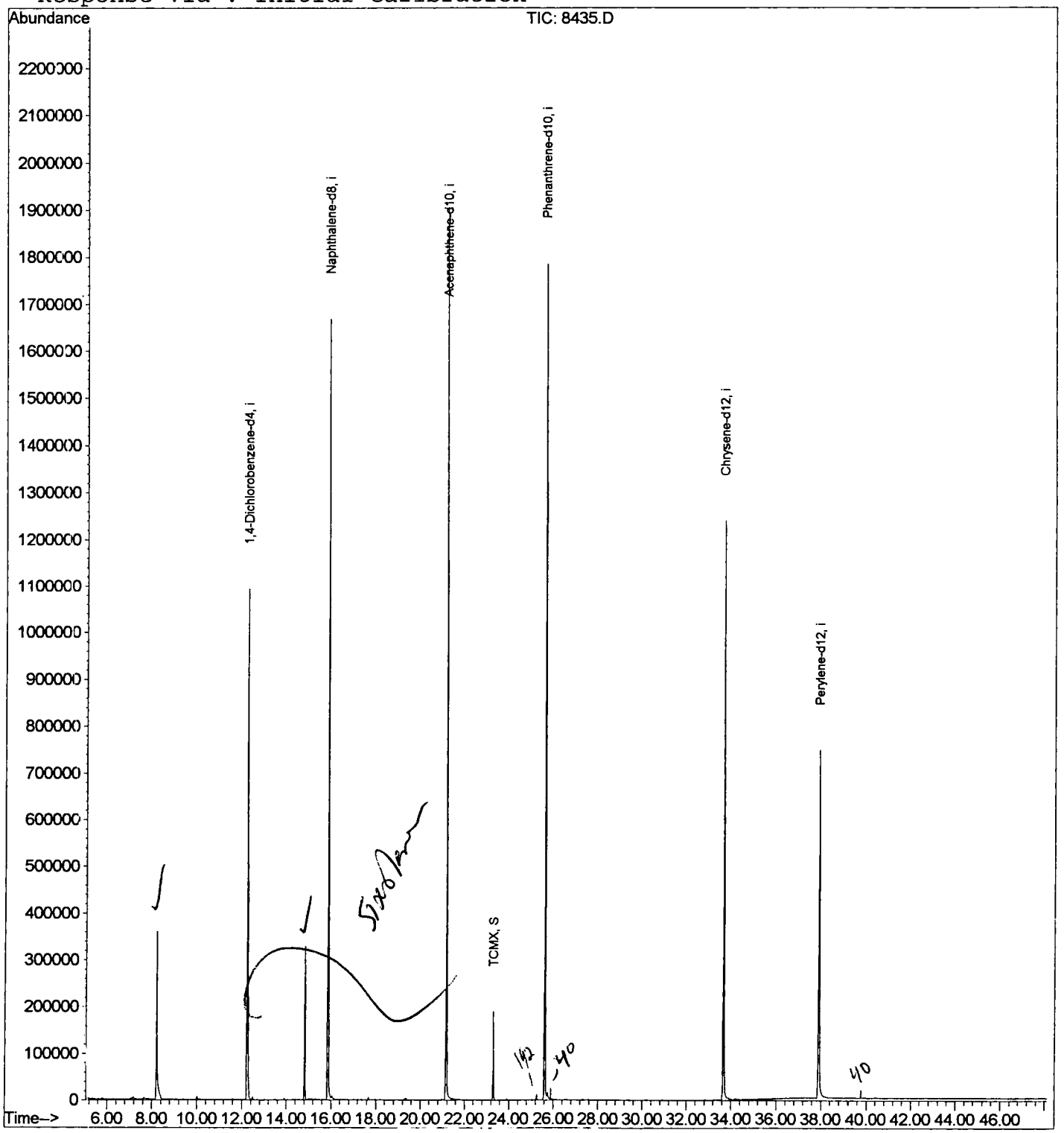
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 33) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 34) | Phenanthrene | 0.00 | 178 | 0 | N.D. | |
| 35) | Anthracene | 25.62 | 178 | 243 | N.D. | |
| 36) | Di-n-butylphthalate | 27.58 | 149 | 2502 | N.D. | |
| 37) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 40) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 41) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 42) | Benzo(a)anthracene | 33.67 | 228 | 2356 | N.D. | |
| 43) | Bis(2-ethylhexyl)phthalate | 33.88 | 149 | 2536 | N.D. | |
| 44) | Chrysene | 33.74 | 228 | 216 | N.D. | |
| 46) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 47) | Benzo(b)fluoranthene | 36.79 | 252 | 107 | N.D. | |
| 48) | Benzo(k)fluoranthene | 36.79 | 252 | 107 | N.D. | |
| 49) | Benzo(a)pyrene | 37.90 | 252 | 2427 | N.D. | |
| 50) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 51) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 52) | Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1202\8435.D Vial: 24
Acq On : 16 Apr 2002 6:37 am Operator:
Sample : gc/ms scan 4/10 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 17 9:42 2002 Quant Results File: GCMS0412.RES

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Apr 16 14:55:12 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR1202\8435.D  Vial: 24
Acq On : 16 Apr 2002 6:37 am  Operator:
Sample : gc/ms scan 4/10  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
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

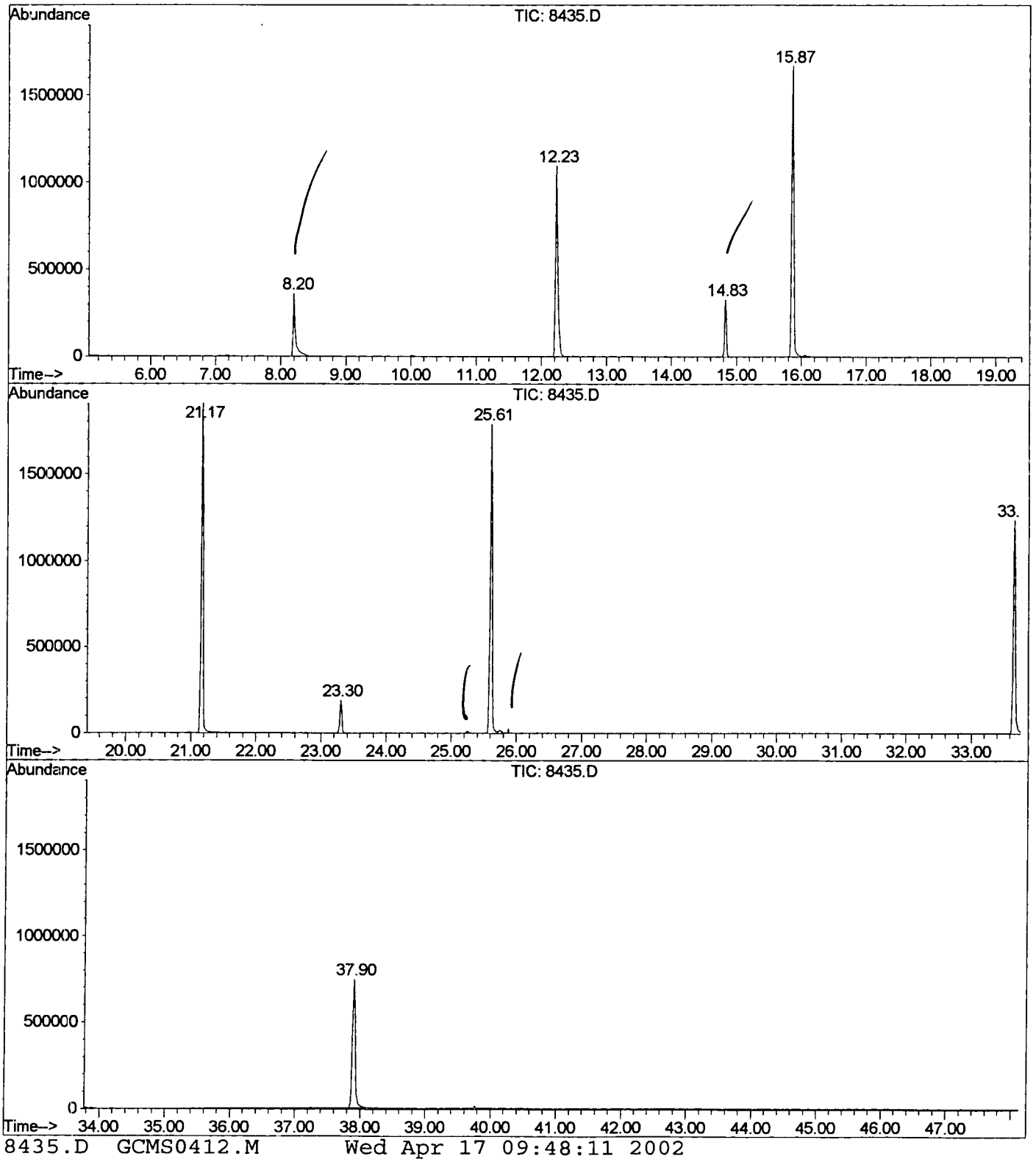
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.201 | 340 | 344 | 369 | rBV | 359050 | 901367 | 21.92% | 4.193% |
| 2 | 12.231 | 777 | 783 | 801 | rBV | 1092013 | 2766507 | 67.26% | 12.869% |
| 3 | 14.829 | 1060 | 1066 | 1073 | rVB | 328633 | 638342 | 15.52% | 2.969% |
| 4 | 15.867 | 1173 | 1179 | 1195 | rBV | 1667281 | 3578324 | 87.00% | 16.645% |
| 5 | 21.173 | 1750 | 1757 | 1773 | rBV | 1905381 | 4112957 | 100.00% | 19.132% |
| 6 | 23.303 | 1983 | 1989 | 1996 | rBV | 189346 | 395144 | 9.61% | 1.838% |
| 7 | 25.607 | 2233 | 2240 | 2252 | rBV2 | 1786001 | 3947099 | 95.97% | 18.361% |
| 8 | 33.667 | 3111 | 3118 | 3137 | rBV2 | 1239653 | 2866175 | 69.69% | 13.332% |
| 9 | 37.900 | 3571 | 3579 | 3601 | rBV2 | 743548 | 2291816 | 55.72% | 10.661% |

Sum of corrected areas: 21497731

8435.D GCMS0412.M Wed Apr 17 09:48:11 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR1202\8435.D
Operator :
Acquired : 16 Apr 2002 6:37 am using AcqMethod GCMS0412
Instrument : 209
Sample Name: gc/ms scan 4/10
Misc Info :
Vial Number: 24
Quant File :GCMS0412.RES (RTE Integrator)




8435.D GCMS0412.M Wed Apr 17 09:48:11 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1202\8435.D
Acq On : 16 Apr 2002 6:37 am
Sample : gc/ms scan 4/10
Misc :
MS Integration Params: LSCINT.P

Vial: 24
Operator:
Inst : 209
Multiplr: 1.00

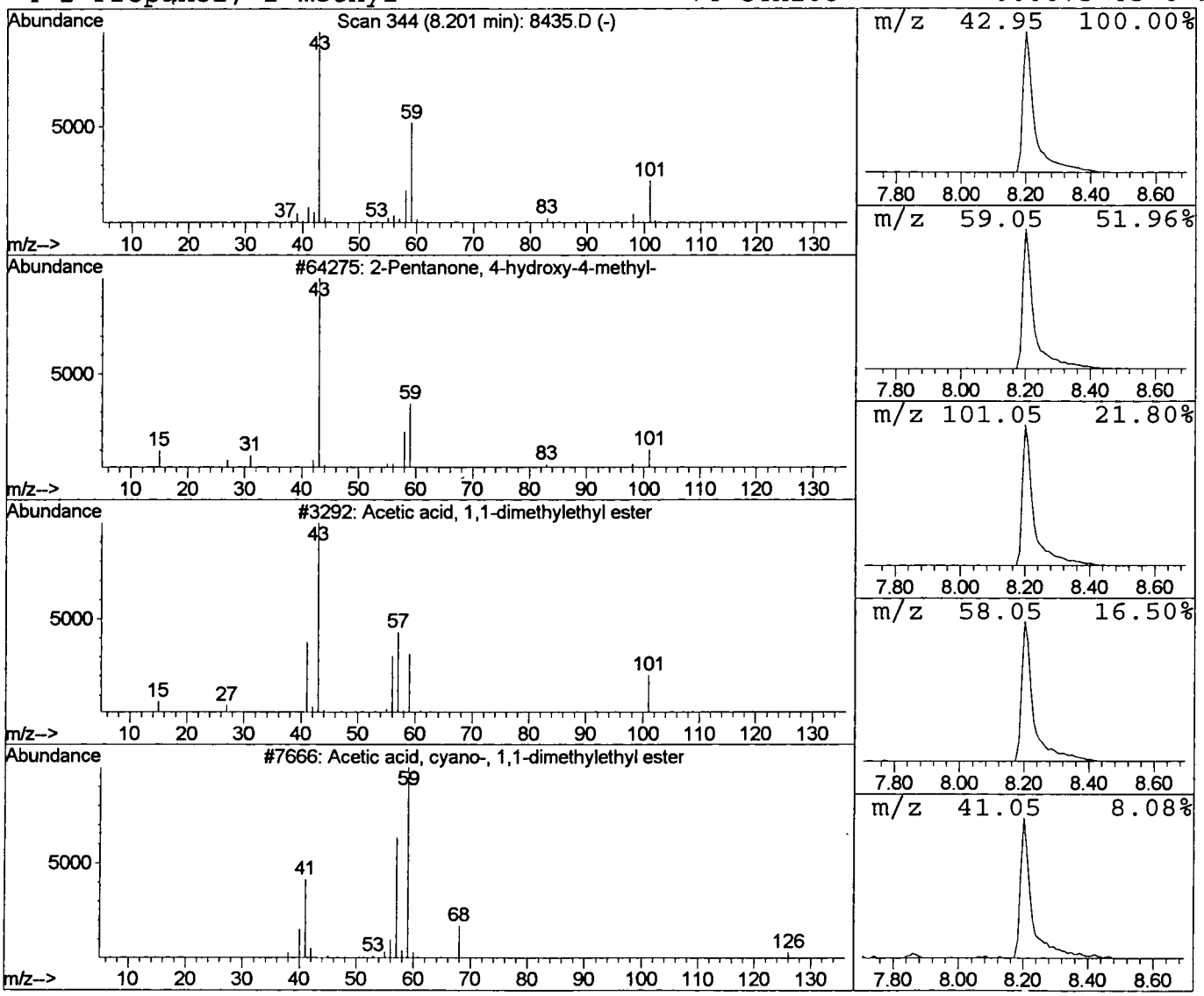
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.20 | 6.52 ug/l | 901367 | 1,4-Dichlorobenzene-d4 | 12.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Acetic acid, 1,1-dimethylethyl este | 116 | C6H12O2 | 000540-88-5 | 33 |
| 3 | Acetic acid, cyano-, 1,1-dimethylet | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 4 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 17 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1202\8435.D  Vial: 24
Acq On : 16 Apr 2002 6:37 am  Operator:
Sample : gc/ms scan 4/10  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

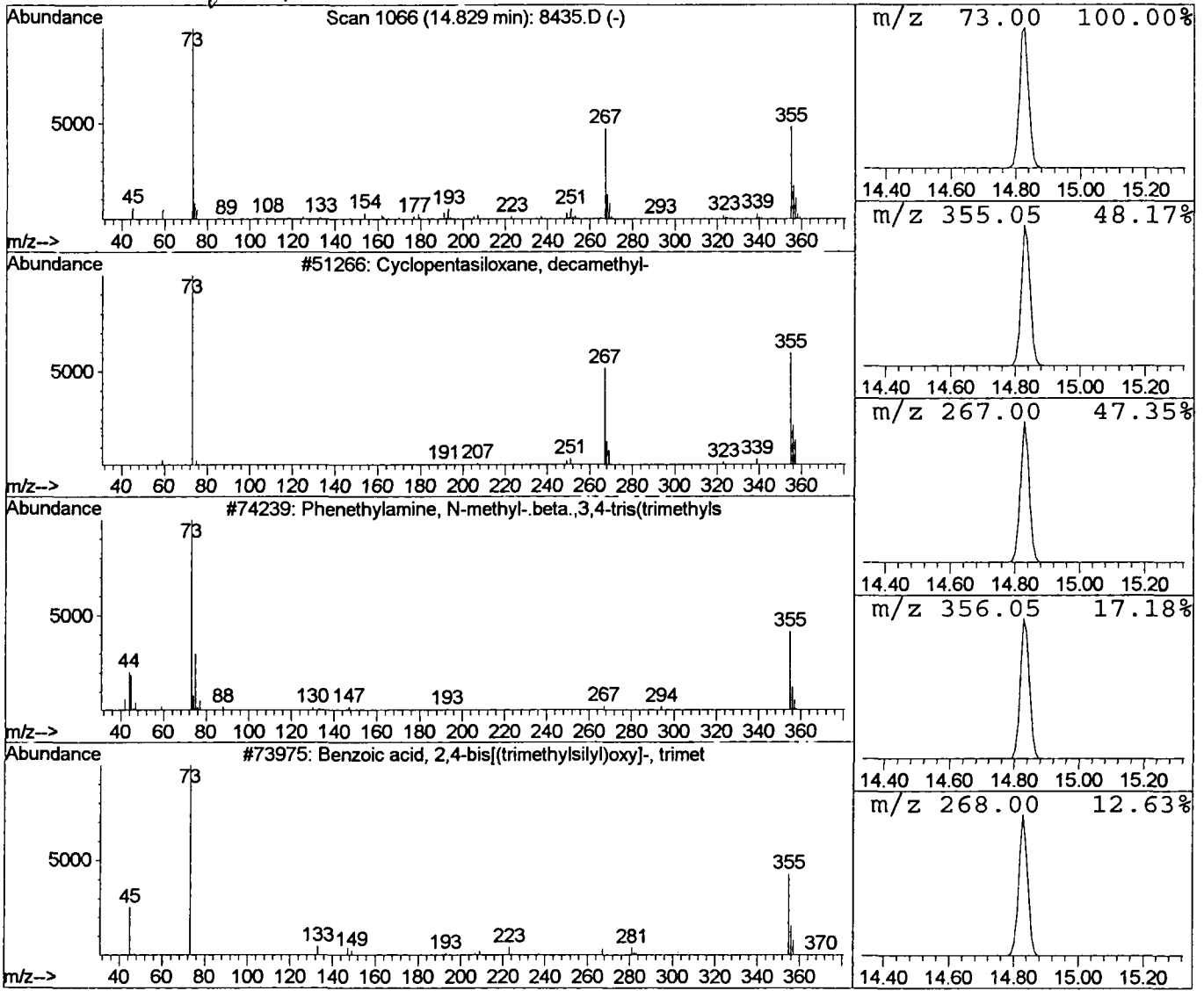
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.83 | 3.57 ug/l | 638342 | Naphthalene-d8 | 15.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 91 |
| 2 | Phenethylamine, N-methyl-.beta.,3,4 | 399 | C18H37NO3Si3 | 010538-85-9 | 38 |
| 3 | Benzoic acid, 2,4-bis[(trimethylsil | 370 | C16H30O4Si3 | 010586-16-0 | 38 |
| 4 | Noradrenaline, tetra-TMS | 457 | C20H43NO3Si4 | 000000-00-0 | 37 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 16 Apr 2002 6:37 am
Data File: C:\HPCHEM\1\DATA\APR1202\8435.D
Name: gc/ms scan 4/10
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| 2-Pentanone, 4-hydro | 8.20 | 6.5 | ug/l | 901367 | ISTD01 | 12.23 | 2766510 | 20.0 |
| Cyclopentasiloxane, | 14.83 | 3.6 | ug/l | 638342 | ISTD02 | 15.87 | 3578320 | 20.0 |

8435.D GCMS0412.M Wed Apr 17 09:48:14 2002