User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/11/2002 Time: 08:40:58

Sample: AE05747
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/11/02 08:40 Ended: 4/11/02 08:40 Analyst: DLV
Page: 1

| | Component Name | Vial | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 112 | | 5.0 |

**Comments for Sample AE05747 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-11-2002 Time: 08:41:22

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 1 of the 43 compounds in the LCS Standard was low.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0102\5747.D Vial: 26
Acq On : 3 Apr 2002 1:59 am Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 5 10:26 2002 Quant Results File: GCMS0403.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0403.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Apr 04 09:06:35 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.25 | 152 | 541628 | 20.00 | ug/l | -0.02 |
| 10) Naphthalene-d8 | 15.88 | 136 | 2008583 | 20.00 | ug/l | -0.02 |
| 17) Acenaphthene-d10 | 21.19 | 164 | 1119584 | 20.00 | ug/l | -0.02 |
| 29) Phenanthrene-d10 | 25.63 | 188 | 1563469 | 20.00 | ug/l | -0.02 |
| 38) Chrysene-d12 | 33.69 | 240 | 777930 | 20.00 | ug/l | -0.02 |
| 44) Perylene-d12 | 37.93 | 264 | 430095 | 20.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.71 | 235 | 84426 | 5.60 | ug/mL | 0.21 |
| Spiked Amount 5.000 | | | Recovery = 112.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.58 | 74 | 172 | 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 | 0.00 | 128 | 0 | 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. | 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 | 22.67 | 149 | 1271 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 28) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0102\5747.D Vial: 26
Acq On : 3 Apr 2002 1:59 am Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 5 10:26 2002 Quant Results File: GCMS0403.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0403.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Apr 04 09:06:35 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

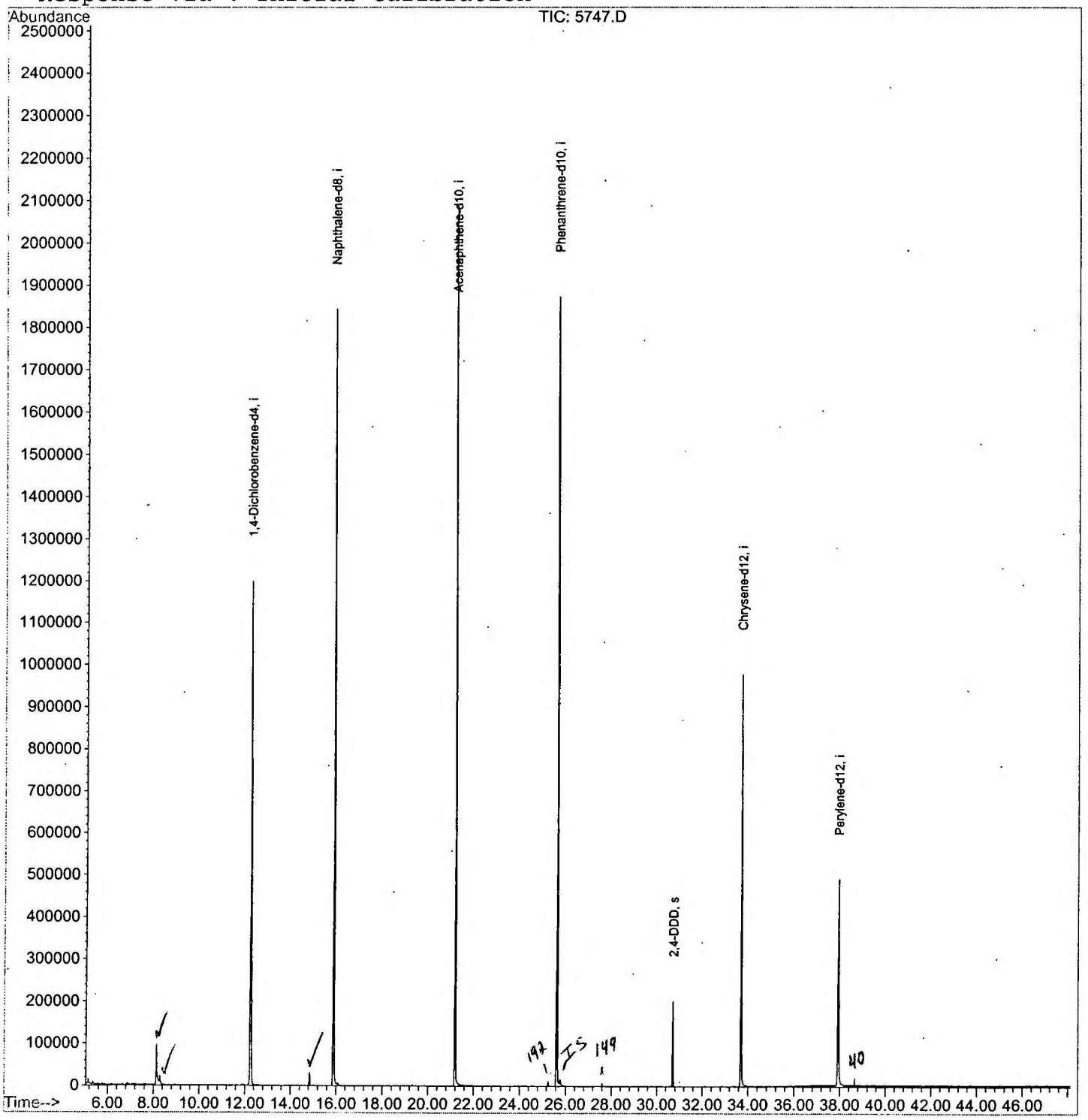
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.63 | 178 | 370 | N.D. | |
| 34) | Anthracene | 25.63 | 178 | 370 | N.D. | |
| 35) | Di-n-butylphthalate | 27.60 | 149 | 9084 | N.D. | |
| 36) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) | Butylbenzylphthalate | 32.12 | 149 | 364 | N.D. | |
| 41) | Benzo(a)anthracene | 33.69 | 228 | 1856 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.90 | 149 | 2241 | N.D. | |
| 43) | Chrysene | 33.69 | 228 | 1856 | N.D. | |
| 45) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | Benzo(b)fluoranthene | 36.75 | 252 | 577 | N.D. | |
| 47) | Benzo(k)fluoranthene | 36.81 | 252 | 841 | N.D. | |
| 48) | Benzo(a)pyrene | 37.73 | 252 | 448 | N.D. | |
| 49) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 50) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 51) | 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\APR0102\5747.D Vial: 26
Acq On : 3 Apr 2002 1:59 am Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 5 10:26 2002 Quant Results File: GCMS0403.RES

Method : C:\HPCHEM\1\METHODS\GCMS0403.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Apr 05 08:33:02 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR0102\5747.D  Vial: 26
Acq On : 3 Apr 2002 1:59 am  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0403.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

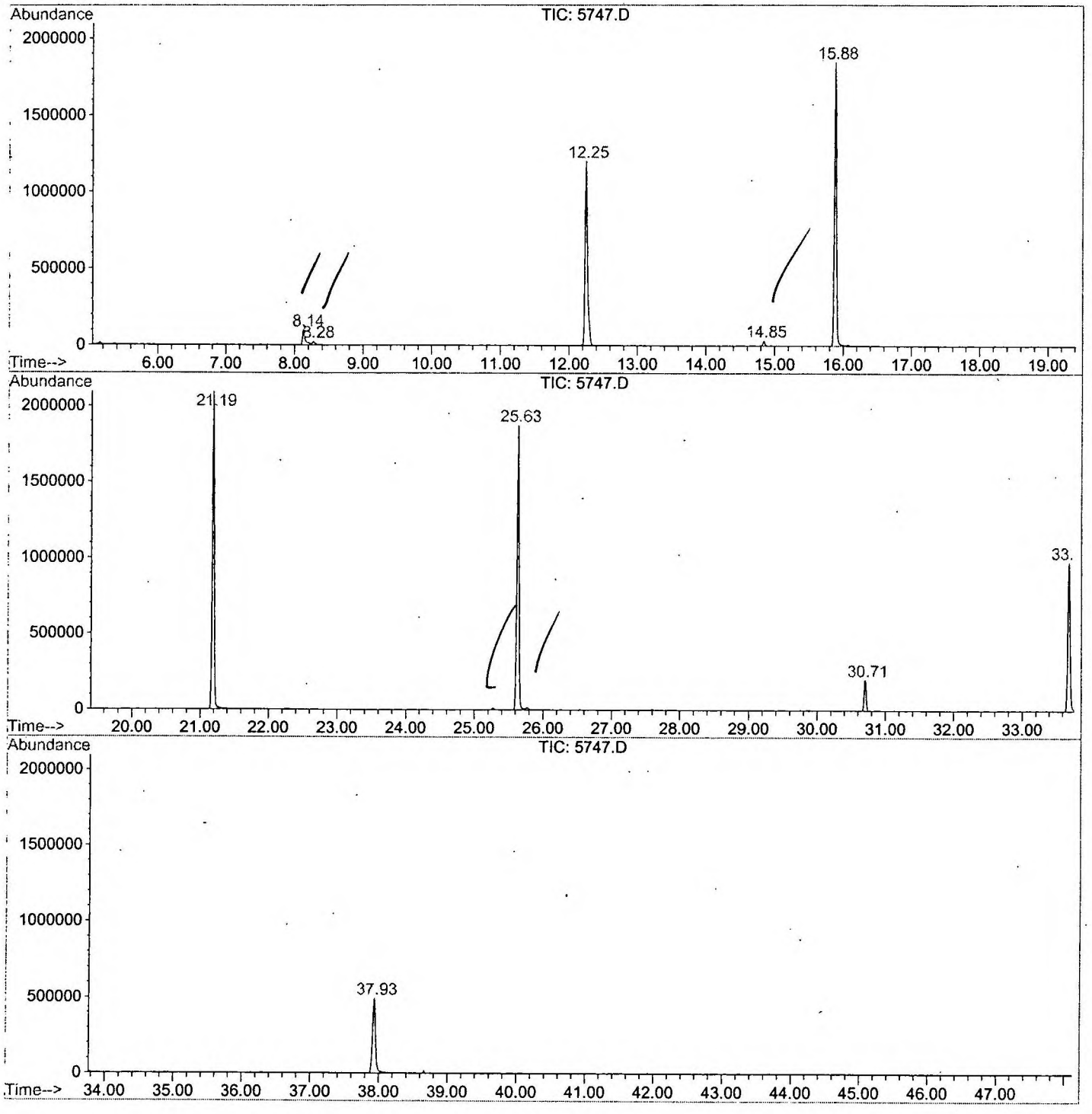
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.136 | 332 | 337 | 349 | rBV | 95281 | 264344 | 6.17% | 1.356% |
| 2 | 8.283 | 349 | 353 | 363 | rVB2 | 20618 | 55194 | 1.29% | 0.283% |
| 3 | 12.248 | 780 | 785 | 798 | rVB | 1197415 | 2923107 | 68.25% | 14.999% |
| 4 | 14.846 | 1063 | 1068 | 1073 | rVB | 32282 | 59595 | 1.39% | 0.306% |
| 5 | 15.884 | 1175 | 1181 | 1198 | rBV | 1844378 | 3812258 | 89.01% | 19.562% |
| 6 | 21.190 | 1752 | 1759 | 1779 | rBV | 2093518 | 4283005 | 100.00% | 21.977% |
| 7 | 25.633 | 2236 | 2243 | 2255 | rBV2 | 1874320 | 3945876 | 92.13% | 20.247% |
| 8 | 30.710 | 2790 | 2796 | 2801 | rBV | 202770 | 411280 | 9.60% | 2.110% |
| 9 | 33.694 | 3114 | 3121 | 3136 | rBV2 | 979426 | 2264870 | 52.88% | 11.622% |
| 10 | 37.935 | 3575 | 3583 | 3602 | rBV2 | 489431 | 1469028 | 34.30% | 7.538% |

Sum of corrected areas: 19488557

5747.D GCMS0403.M Fri Apr 05 10:39:21 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR0102\5747.D
Operator :
Acquired : 3 Apr 2002 1:59 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/12
Misc Info :
Vial Number: 26
Quant File :GCMS0308.RES (RTE Integrator)




5747.D GCMS0403.M Fri Apr 05 10:39:26 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5747.D  Vial: 26
Acq On : 3 Apr 2002 1:59 am  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

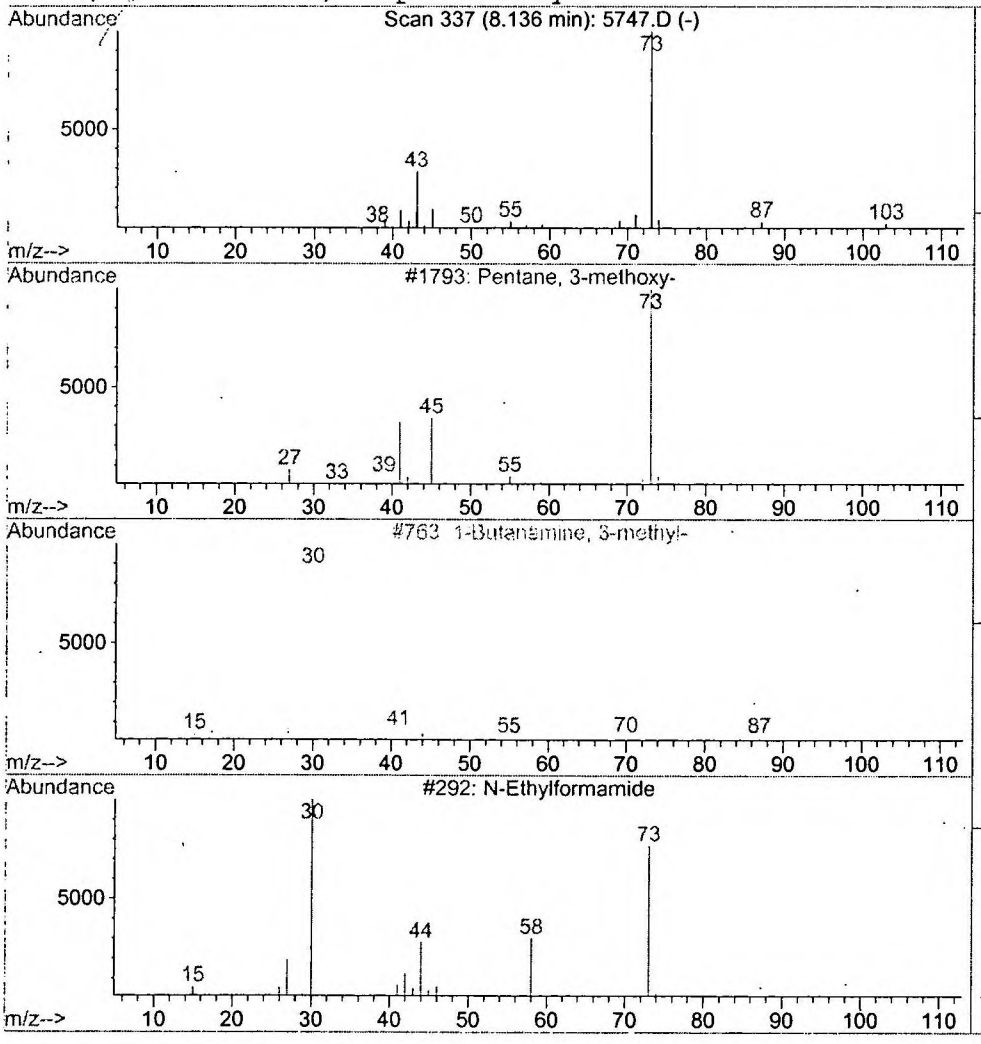
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

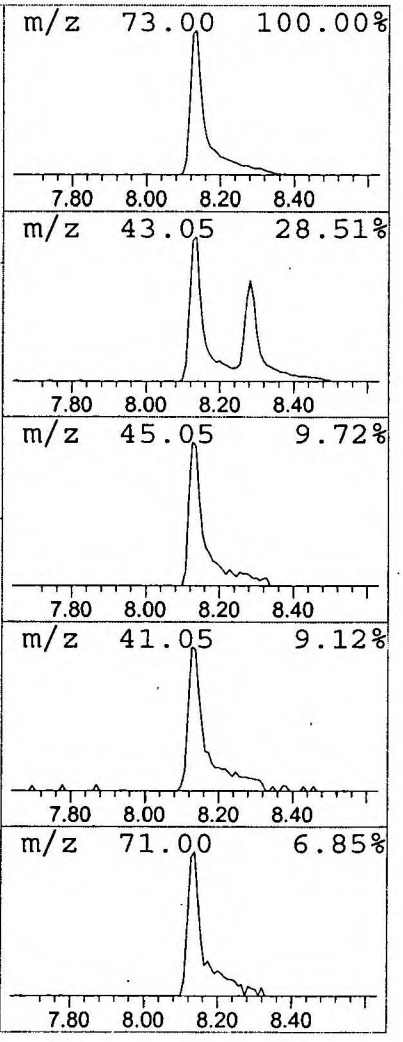
**********

Peak Number 1 Pentane, 3-methoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.14 | 1.81 ug/l | 264344 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 28 |
| 2 | 1-Butanamine, 3-methyl- | 87 | C5H13N | 000107-85-7 | 9 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | 1,3-Dioxolane, 2-pentadecyl- | 284 | C18H36O2 | 004360-57-0 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5747.D  Vial: 26
Acq On : 3 Apr 2002 1:59 am  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

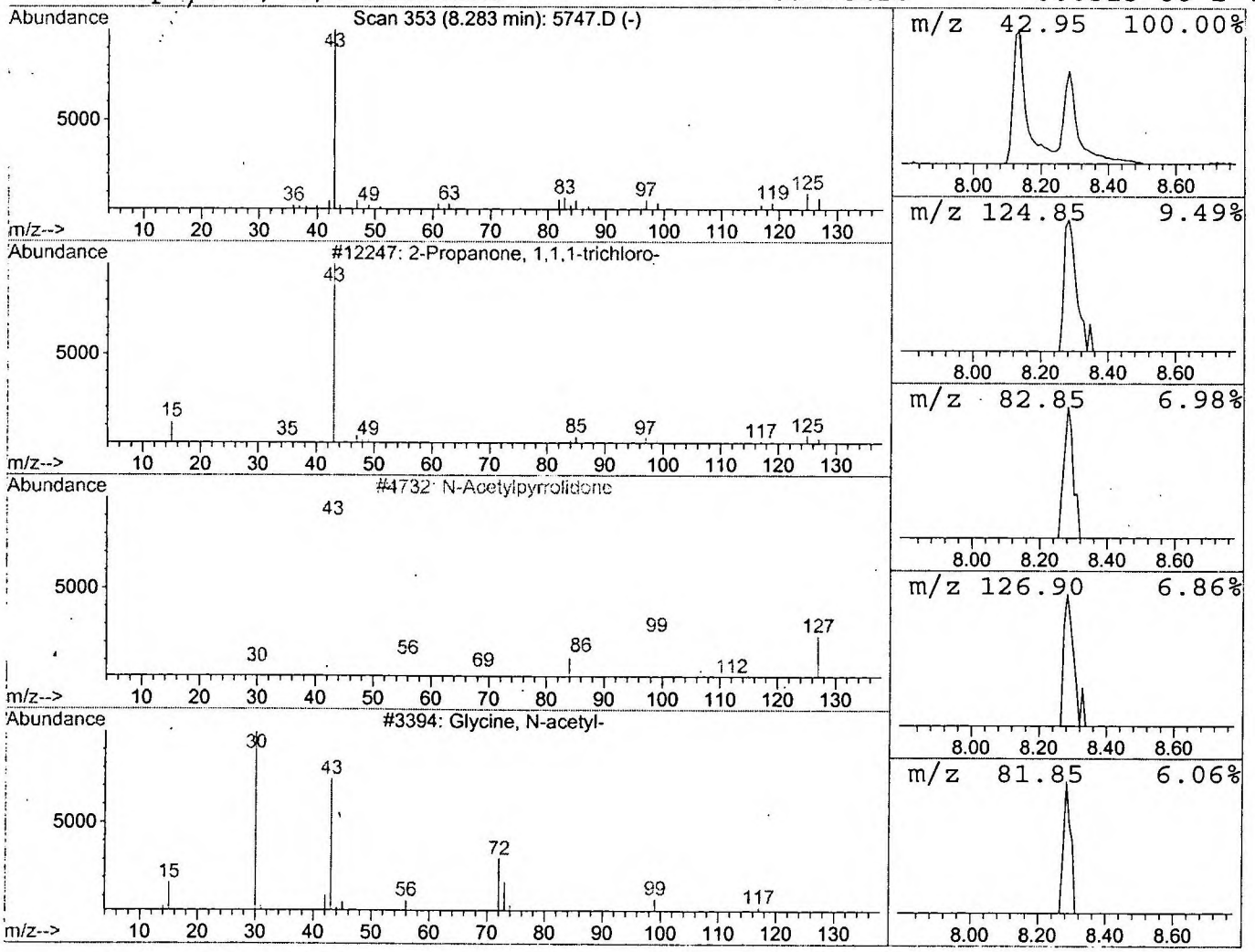
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.28 | 0.38 ug/l | 55194 | 1,4-Dichlorobenzene-d4 | 12.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanone, 1,1,1-trichloro- | 160 | C3H3Cl3O | 000918-00-3 | 40 |
| 2 | N-Acetylpyrrolidone | 127 | C6H9NO2 | 000932-17-2 | 5 |
| 3 | Glycine, N-acetyl- | 117 | C4H7NO3 | 000543-24-8 | 4 |
| 4 | 2-Propanone, 1,1-dichloro- | 126 | C3H4Cl2O | 000513-88-2 | 4 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5747.D  Vial: 26
Acq On : 3 Apr 2002 1:59 am  Operator:
Sample : gc/ms scan 3/12  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

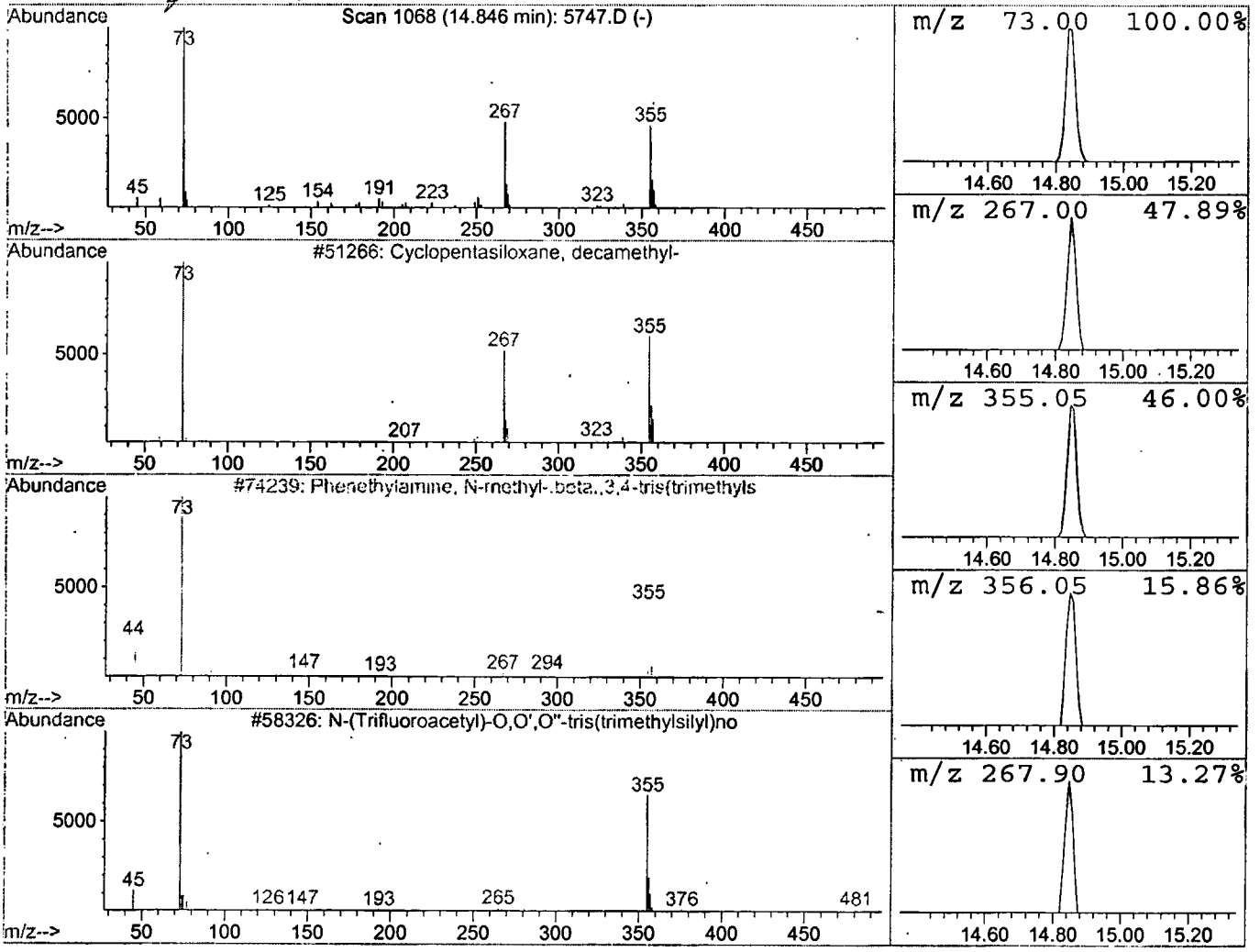
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 Cyclopentasiloxane, decamethyl Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 0.31 ug/l | 59595 | Naphthalene-d8 | 15.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 64 |
| 2 | Phenethylamine, N-methyl-.beta.,3,4 | 399 | C18H37NO3Si3 | 010538-85-9 | 38 |
| 3 | N-(Trifluoroacetyl)-O,O',O''-tris(t | 481 | C19H34F3NO4Si3 | 000000-00-0 | 38 |
| 4 | Noradrenaline, tetra-TMS | 457 | C20H43NO3Si4 | 000000-00-0 | 37 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 3 Apr 2002 1:59 am
Data File: C:\HPCHEM\1\DATA\APR0102\5747.D
Name: gc/ms scan 3/12
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.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 |
|---|---|---|---|---|---|---|---|---|
| Pentane, 3-methoxy- | 8.14 | 1.8 | ug/l | 264344 | ISTD01 | 12.25 | 2923110 | 20.0 |
| 2-Propanone, 1,1,1-t | 8.28 | 0.4 | ug/l | 55194 | ISTD01 | 12.25 | 2923110 | 20.0 |
| Cyclopentasiloxane, | 14.85 | 0.3 | ug/l | 59595 | ISTD02 | 15.88 | 3812260 | 20.0 |

5747.D GCMS0403.M Fri Apr 05 10:39:44 2002