User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 10:48:07

Sample: AE11599
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/30/02 10:47 Ended: 5/30/02 10:47 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 100 | | 10.0 |

**Comments for Sample AE11599 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-30-2002 Time: 10:48:26

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\MAY2102\11599.D Vial: 13
Acq On : 22 May 2002 3:12 pm Operator:
Sample : EXTRACT5/20 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 23 8:17 2002 Quant Results File: GCMS0501.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0520

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.14 | 152 | 360837 | 40.00 | ug/l | -0.08 |
| 10) Naphthalene-d8 | 15.78 | 136 | 1410118 | 40.00 | ug/l | -0.08 |
| 17) Acenaphthene-d10 | 21.09 | 164 | 671622 | 40.00 | ug/l | -0.06 |
| 30) Phenanthrene-d10 | 25.53 | 188 | 870695 | 40.00 | ug/l | -0.07 |
| 38) Chrysene-d12 | 33.57 | 240 | 487294 | 40.00 | ug/l | -0.09 |
| 44) Perylene-d12 | 37.79 | 264 | 314161 | 40.00 | ug/l | -0.09 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 23.23 | 209 | 130643 | 39.96 | ug/L | -0.07 |
| Spiked Amount 10.000 | | | Recovery = ~~399.60%~~ 1007 | | | |
| **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 | 14.49 | 82 | 421 | 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 | 15.83 | 128 | 913 | 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 | 22.58 | 149 | 988 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 23.23 | 204 | 514 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 29) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |
| 31) N-Nitrosodiphenylamine | 23.23 | 168 | 306 | N.D. | | |
| 32) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | | |
| 33) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | | |
| 34) Phenanthrene | 25.59 | 178 | 1116 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY2102\11599.D Vial: 13
Acq On : 22 May 2002 3:12 pm Operator:
Sample : EXTRACT5/20 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 23 8:17 2002 Quant Results File: GCMS0501.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0520

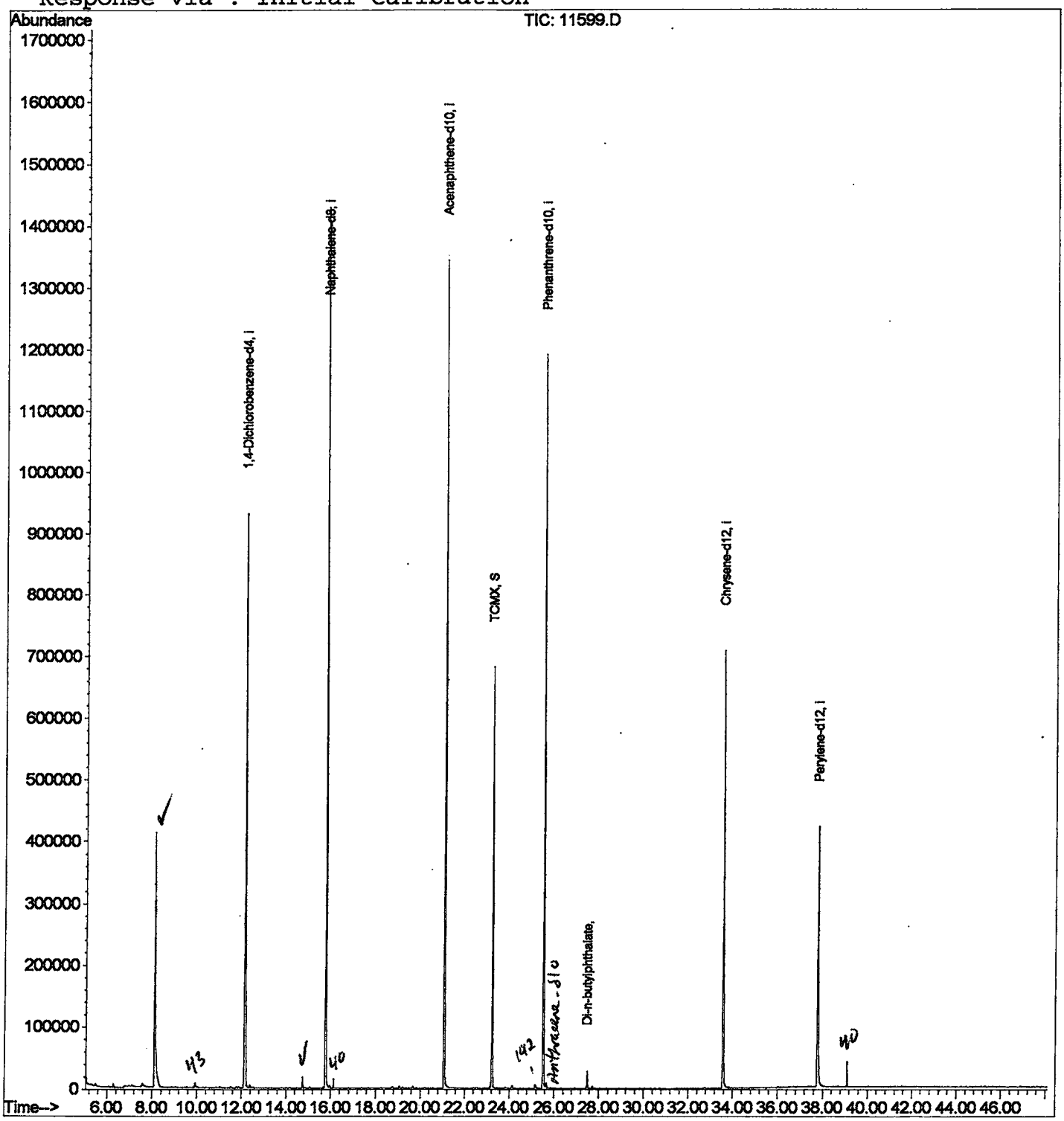
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 35) Anthracene | 25.59 | 178 | 1116 | N.D. | |
| 36) Di-n-butylphthalate | 27.51 | 149 | 30832 | 1.07 ug/l | 98 |
| 37) Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 41) Benzo(a)anthracene | 33.57 | 228 | 1058 | N.D. | |
| 42) Bis(2-ethylhexyl)phthalate | 33.81 | 149 | 1069 | N.D. | |
| 43) Chrysene | 33.57 | 228 | 1059 | N.D. | |
| 45) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 47) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) Benzo(a)pyrene | 37.79 | 252 | 1237 | 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\MAY2102\11599.D Vial: 13
Acq On : 22 May 2002 3:12 pm Operator:
Sample : EXTRACT5/20 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 23 8:17 2002 Quant Results File: GCMS0501.RES

Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11599.D Vial: 13
Acq On : 22 May 2002 3:12 pm Operator:
Sample : EXTRACT5/20 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0501.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

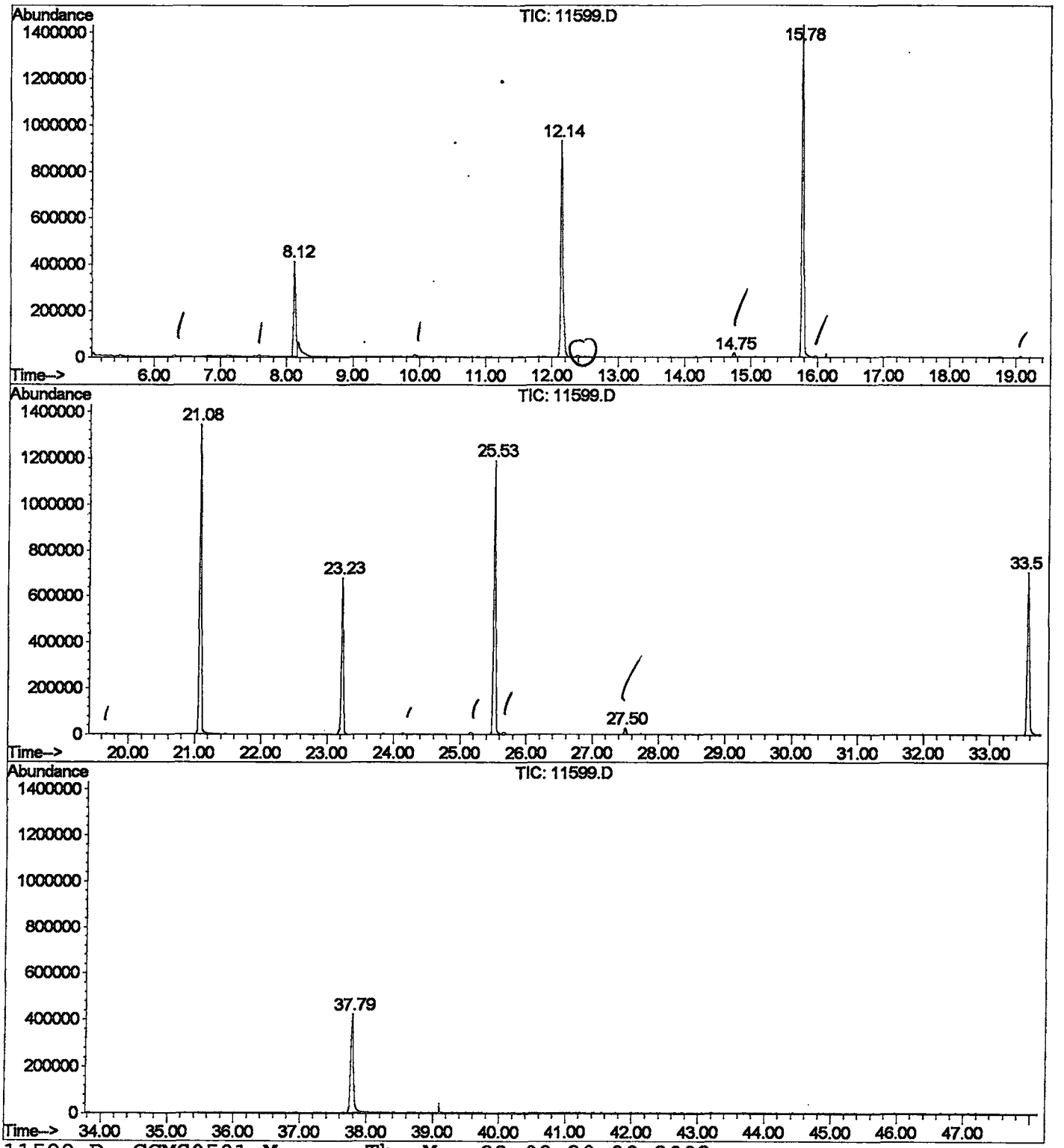
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.115 | 331 | 335 | 340 | rBV | 410793 | 817427 | 28.44% | 5.264% |
| 2 | 12.138 | 769 | 774 | 791 | rVB | 930501 | 2206052 | 76.75% | 14.207% |
| 3 | 14.750 | 1055 | 1059 | 1063 | rVB | 18503 | 33117 | 1.15% | 0.213% |
| 4 | 15.776 | 1165 | 1171 | 1187 | rBV | 1428890 | 2874275 | 100.00% | 18.510% |
| 5 | 21.082 | 1744 | 1750 | 1763 | rBV | 1344254 | 2854225 | 99.30% | 18.381% |
| 6 | 23.226 | 1976 | 1984 | 1996 | rBV | 681738 | 1401403 | 48.76% | 9.025% |
| 7 | 25.526 | 2228 | 2235 | 2246 | rBV2 | 1190518 | 2479440 | 86.26% | 15.968% |
| 8 | 27.496 | 2445 | 2450 | 2457 | rBV | 27858 | 54551 | 1.90% | 0.351% |
| 9 | 33.572 | 3107 | 3113 | 3130 | rBV2 | 708518 | 1596773 | 55.55% | 10.283% |
| 10 | 37.787 | 3564 | 3573 | 3587 | rBV2 | 420258 | 1210597 | 42.12% | 7.796% |

Sum of corrected areas: 15527860

11599.D GCMS0501.M Thu May 23 08:20:08 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY2102\11599.D
Operator :
Acquired : 22 May 2002 3:12 pm using AcqMethod GCMS0520
Instrument : 209
Sample Name: EXTRACT5/20
Misc Info :
Vial Number: 13
Quant File :GCMS0501.RES (RTE Integrator)




11599.D GCMS0501.M Thu May 23 08:20:09 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11599.D  Vial: 13
Acq On : 22 May 2002 3:12 pm  Operator:
Sample : EXTRACT5/20  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

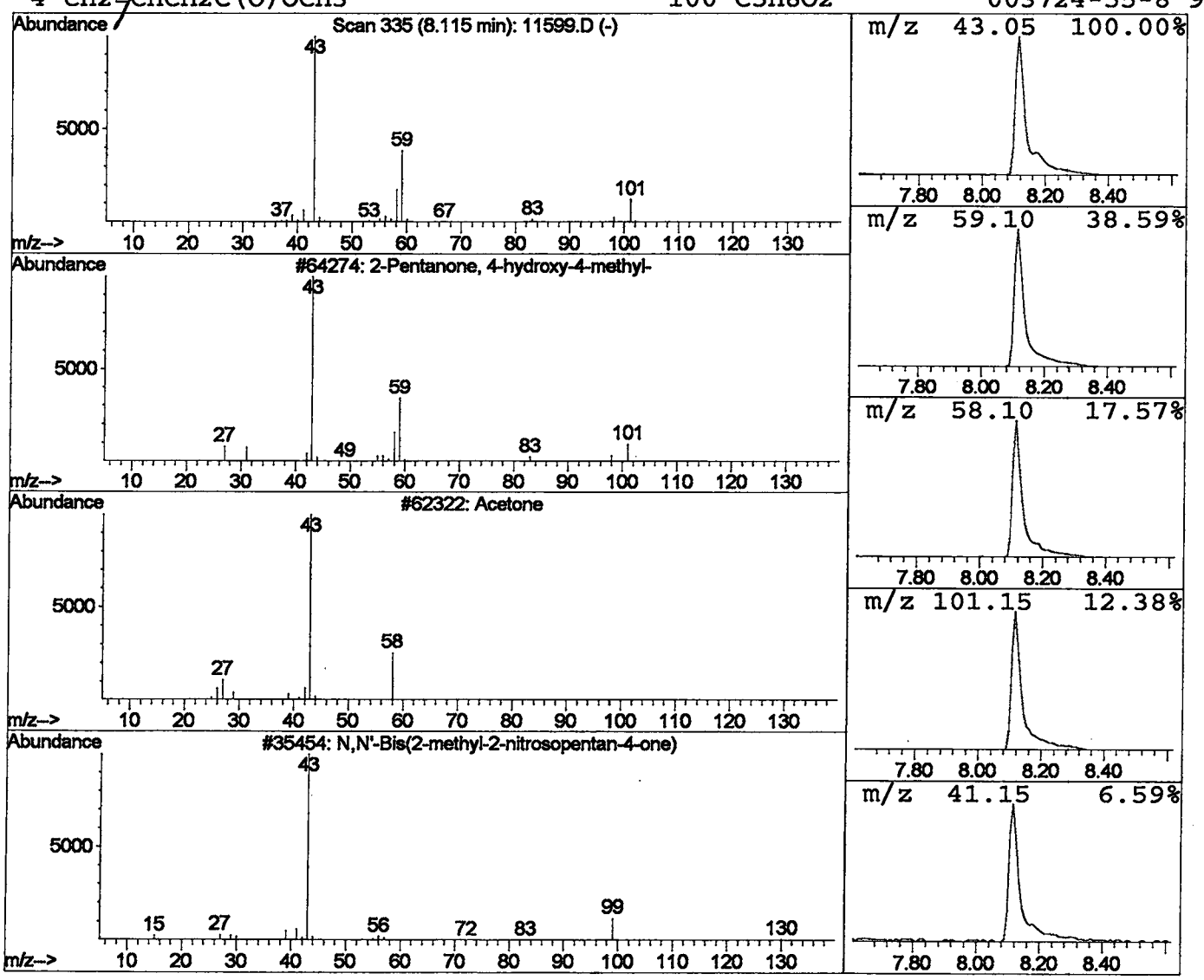
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.12 | 14.82 ug/l | 817427 | 1,4-Dichlorobenzene-d4 | 12.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 78 |
| 2 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 3 | N,N'-Bis(2-methyl-2-nitrosopentan-4 | 258 | C12H22N2O4 | 094514-30-4 | 9 |
| 4 | CH2=CHCH2C(O)OCH3 | 100 | C5H8O2 | 003724-55-8 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY2102\11599.D  Vial: 13
Acq On : 22 May 2002 3:12 pm  Operator:
Sample : EXTRACT5/20  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

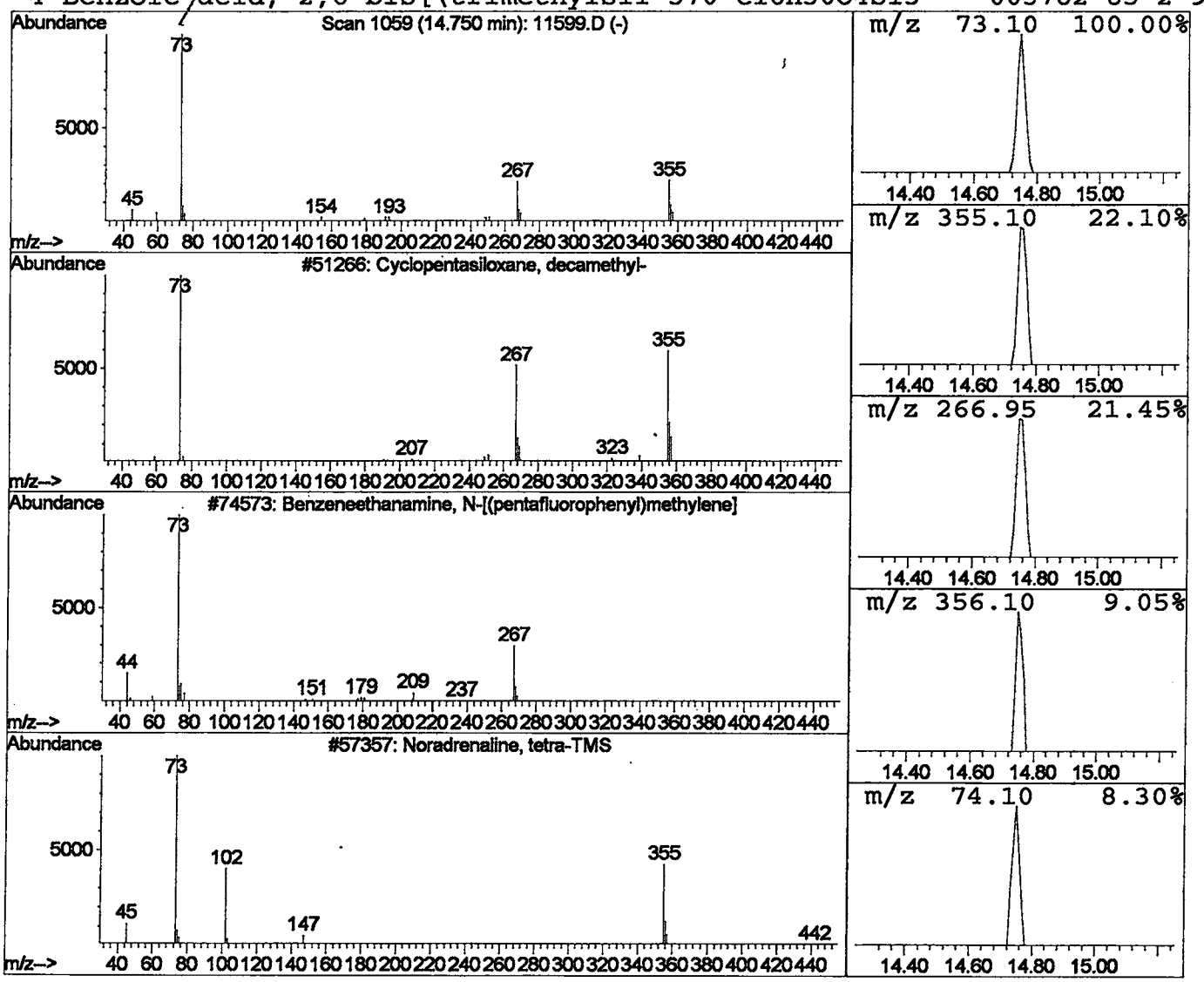
Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.75 | 0.46 ug/l | 33117 | Naphthalene-d8 | 15.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 83 |
| 2 | Benzeneethanamine, N-[(pentafluorop | 475 | C21H26F5NO2Si2 | 055429-85-1 | 25 |
| 3 | Noradrenaline, tetra-TMS | 457 | C20H43NO3Si4 | 000000-00-0 | 25 |
| 4 | Benzoic acid, 2,6-bis[(trimethylsil | 370 | C16H30O4Si3 | 003782-85-2 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 22 May 2002 3:12 pm
Data File: C:\HPCHEM\1\DATA\MAY2102\11599.D
Name: EXTRACT5/20
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0501.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 | 8.12 | 14.8 | ug/l | 817427 | ISTD01 | 12.14 | 2206050 | 40.0 |
| Cyclopentasiloxane, | 14.75 | 0.5 | ug/l | 33117 | ISTD02 | 15.78 | 2874280 | 40.0 |

11599.D GCMS0501.M Thu May 23 08:20:11 2002