User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/18/2002 Time: 10:57:45

Sample: AE03915
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/18/02 10:57 Ended: 3/18/02 10:57 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

**Comments for Sample AE03915 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-18-2002 Time: 10:58:03

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges. This sample will be reextracted and reanalyzed due to the low Surrogate Standard recovery.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB2102\3915.D Vial: 77
Acq On : 24 Feb 2002 9:47 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 13 11:19 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.33 | 152 | 190510 | 20.00 | ug/l | -0.03 |
| 10) Naphthalene-d8 | 15.97 | 136 | 733873 | 20.00 | ug/l | -0.03 |
| 17) Acenaphthene-d10 | 21.28 | 164 | 386414 | 20.00 | ug/l | -0.03 |
| 29) Phenanthrene-d10 | 25.73 | 188 | 532344 | 20.00 | ug/l | -0.03 |
| 38) Chrysene-d12 | 33.80 | 240 | 353767 | 20.00 | ug/l | -0.04 |
| 44) Perylene-d12 | 38.08 | 264 | 224021 | 20.00 | ug/l | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.81 | 235 | 38579 | ~~6.94~~ 3.18 | ug/mL | 0.31 |
| Spiked Amount 5.000 | | | Recovery = | ~~138.80%~~ 64% | | |
| **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 | 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. | | |
| 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 | 22.77 | 149 | 195 | 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\FEB2102\3915.D Vial: 77
Acq On : 24 Feb 2002 9:47 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 13 11:19 2002 Quant Results File: GCMS0208.RES

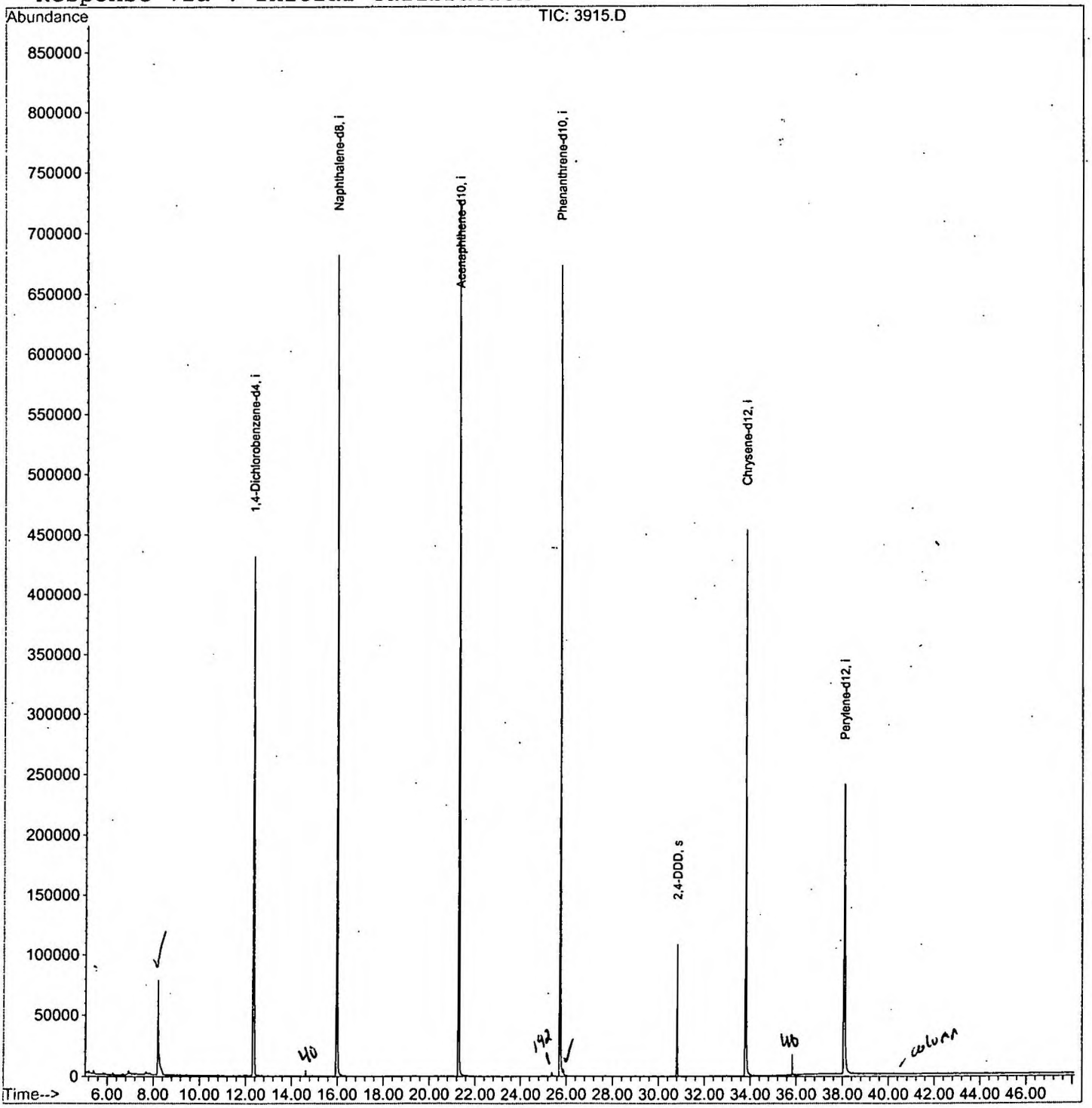
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

| 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 | 0.00 | 178 | 0 | N.D. | |
| 34) Anthracene | 0.00 | 178 | 0 | N.D. | |
| 35) Di-n-butylphthalate | 27.71 | 149 | 1458 | N.D. | |
| 36) 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 | 33.80 | 228 | 792 | N.D. | |
| 42) Bis(2-ethylhexyl)phthalate | 34.01 | 149 | 506 | N.D. | |
| 43) Chrysene | 33.80 | 228 | 792 | 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 | 38.08 | 252 | 730 | 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

Data File : C:\HPCHEM\1\DATA\FEB2102\3915.D Vial: 77
Acq On : 24 Feb 2002 9:47 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 13 11:19 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB2102\3915.D  Vial: 77
Acq On : 24 Feb 2002 9:47 pm  Operator:
Sample : gc/ms scan 2/22  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.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

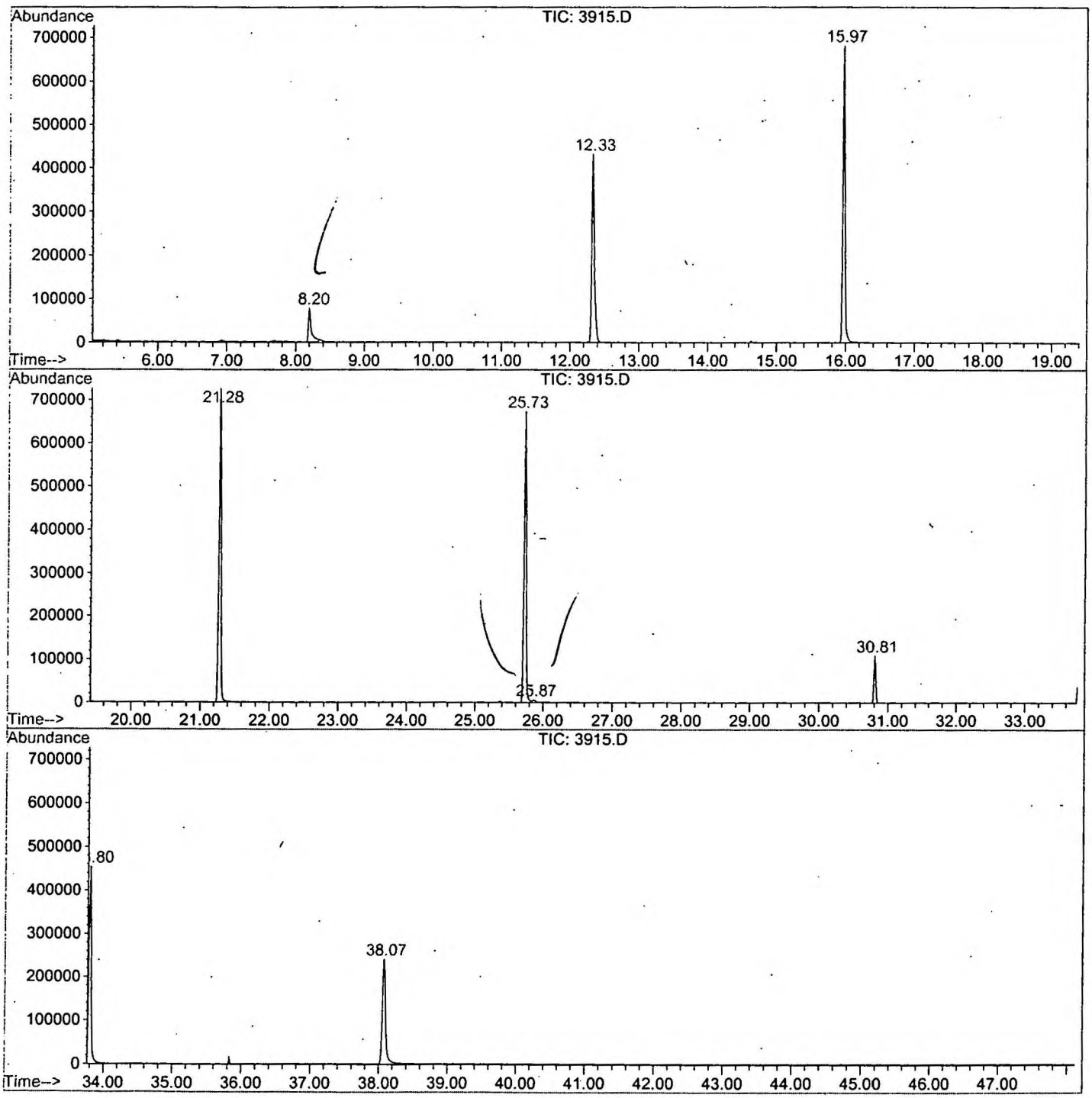
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.197 | 340 | 344 | 359 | rBV | 77766 | 225248 | 14.62% | 2.885% |
| 2 | 12.328 | 789 | 794 | 811 | rVB | 431042 | 1092985 | 70.95% | 13.997% |
| 3 | 15.973 | 1185 | 1191 | 1209 | rBV | 681617 | 1437635 | 93.32% | 18.411% |
| 4 | 21.279 | 1763 | 1769 | 1791 | rBV | 726867 | 1540606 | 100.00% | 19.730% |
| 5 | 25.731 | 2247 | 2254 | 2265 | rBV2 | 673280 | 1429238 | 92.77% | 18.304% |
| 6 | 25.869 | 2265 | 2269 | 2278 | rVB2 | 5618 | 16135 | 1.05% | 0.207% |
| 7 | 30.808 | 2802 | 2807 | 2814 | rVB | 109011 | 203876 | 13.23% | 2.611% |
| 8 | 33.801 | 3126 | 3133 | 3146 | rBV2 | 453263 | 1078644 | 70.01% | 13.814% |
| 9 | 38.070 | 3591 | 3598 | 3616 | rBV2 | 239961 | 784145 | 50.90% | 10.042% |

Sum of corrected areas: 7808512

3915.D GCMS0208.M Wed Mar 13 11:36:47 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB2102\3915.D
Operator :
Acquired : 24 Feb 2002 9:47 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/22
Misc Info :
Vial Number: 77
Quant File :GCMS0208.RES (RTE Integrator)




3915.D GCMS0208.M Wed Mar 13 11:36:52 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\3915.D  Vial: 77
Acq On : 24 Feb 2002 9:47 pm  Operator:
Sample : gc/ms scan 2/22  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

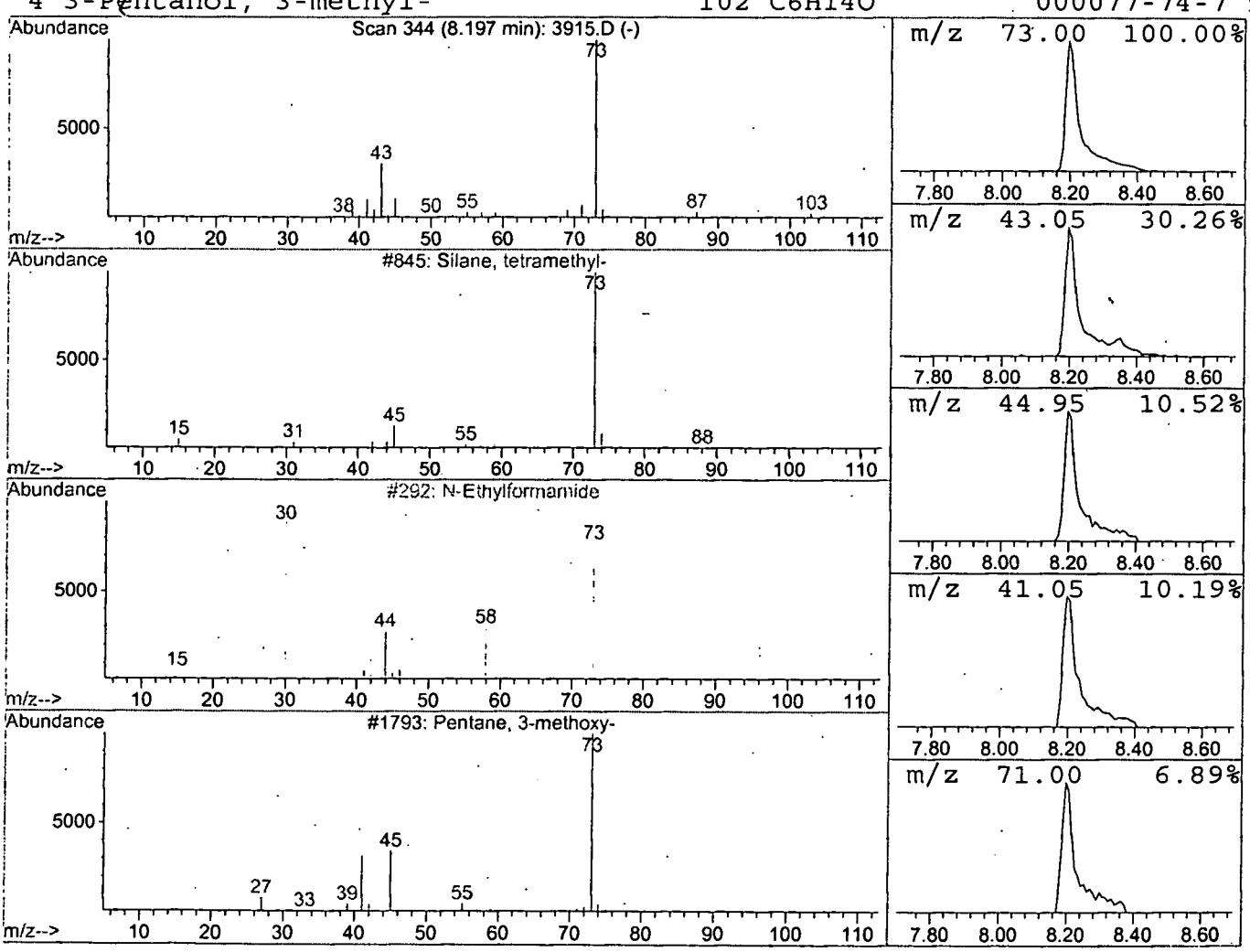
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.20 | 4.12 ug/l | 225248 | 1,4-Dichlorobenzene-d4 | 12.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 33 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 4 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\3915.D  Vial: 77
Acq On : 24 Feb 2002 9:47 pm  Operator:
Sample : gc/ms scan 2/22  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

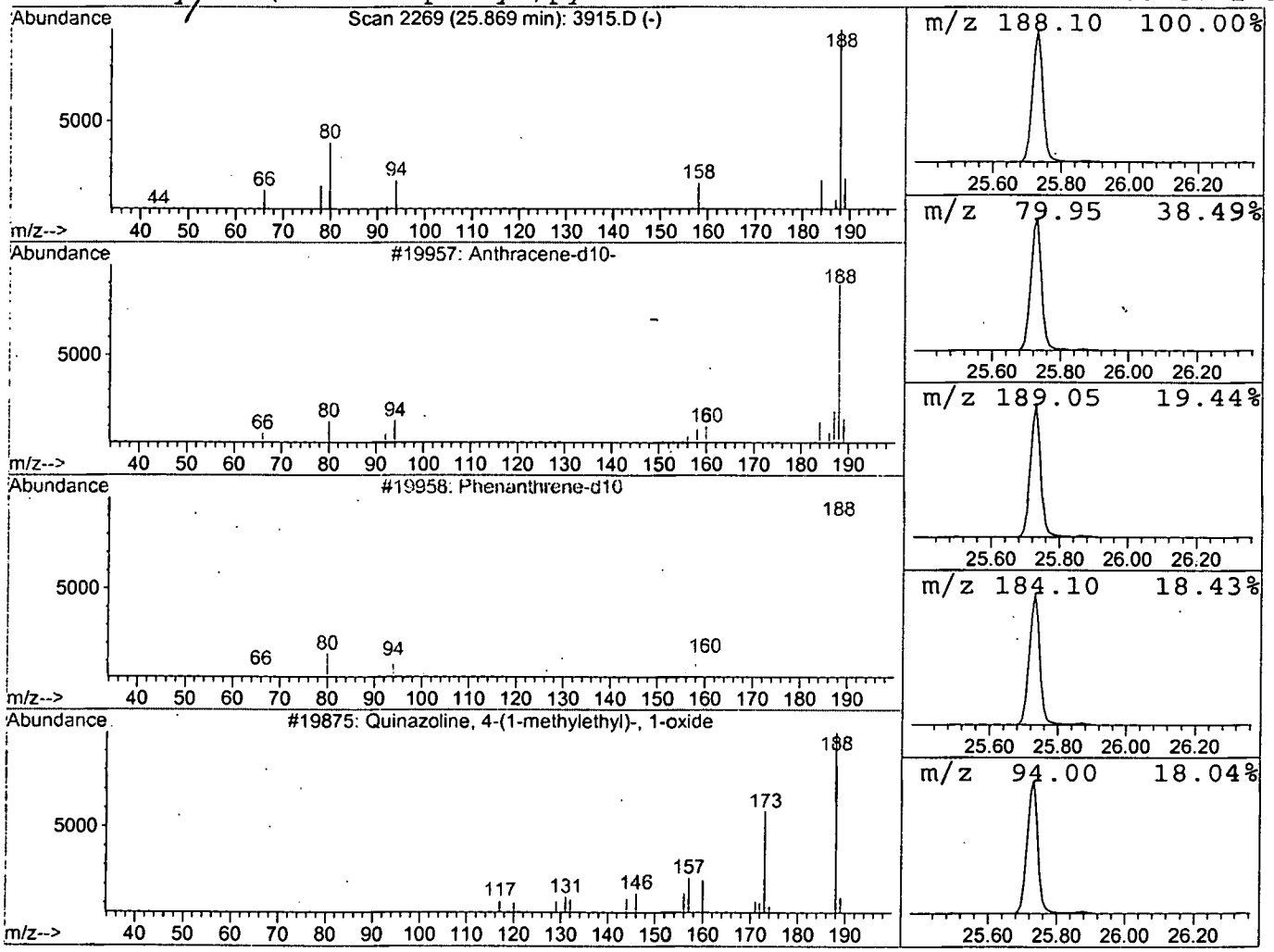
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Anthracene-d10- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.87 | 0.23 ug/l | 16135 | Phenanthrene-d10 | 25.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 64 |
| 2 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 38 |
| 3 | Quinazoline, 4-(1-methylethyl)-, 1- | 188 | C11H12N2O | 050915-32-7 | 9 |
| 4 | 4-Methyl-2-(4-fluorophenyl)pyrimidi | 188 | C11H9FN2 | 076128-67-1 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 24 Feb 2002 9:47 pm
Data File: C:\HPCHEM\1\DATA\FEB2102\3915.D
Name: gc/ms scan 2/22
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.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 |
|---|---|---|---|---|---|---|---|---|
| Silane, tetramethyl- | 8.20 | 4.1 | ug/l | 225248 | ISTD01 | 12.33 | 1092990 | 20.0 |
| Anthracene-d10- | 25.87 | 0.2 | ug/l | 16135 | ISTD04 | 25.73 | 1429240 | 20.0 |

3915.D GCMS0208.M Wed Mar 13 11:37:05 2002