

User: Vinci, David L  
Westchester Dept. of Labs & Research  
Date: 03/21/2002 Time: 08:49:09

Sample: AE02150  
Analysis: \$GCMS GCMS Scan For Unknowns  
Units: ug  
Started: 3/21/02 08:48 Ended: 3/21/02 08:48 Analyst: DLV  
Page: 1

|   | Component Name          | Viol | Result | Qualifier | MDL |
|---|-------------------------|------|--------|-----------|-----|
| 1 | Other unknown compounds |      | .      |           |     |
| 2 | Surr_2,4-DDD            |      | 121    |           | 5.0 |

**Comments for Sample AE02150 - Analysis \$GCMS**

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 03-21-2002 Time: 08:49:12

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. Recoveries for 9 of 43 compounds in the LCS Standard were above their acceptance ranges, while one was below. This sample was extracted and analyzed twice because the LCS Standard was low the first time. Surrogate Standard recoveries were acceptable both times.

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\2150.D

Vial: 28

Acq On : 20 Mar 2002 12:15 am

Operator: McLean

Sample : GC/MS SCAN 3/8

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: BENZO.P

Quant Time: Mar 20 02:28:14 2002

Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)

Title : Quantitation For Method 508gcscan

Last Update : Thu Mar 14 13:02:27 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 9.54  | 150  | 1586224  | 20.00 | ug/L  | 0.00     |
| 10) Naphthalene-d8        | 13.03 | 136  | 4331730  | 20.00 | ug/L  | 0.00     |
| 17) Acenaphthene-d10      | 18.13 | 164  | 2427775  | 20.00 | ug/L  | 0.00     |
| 29) Phenanthrene-d10      | 22.50 | 188  | 3676437  | 20.00 | ug/L  | 0.00     |
| 38) Chrysene-d12          | 30.30 | 240  | 3227971  | 20.00 | ug/L  | -0.02    |
| 44) Perylene-d12          | 34.18 | 264  | 1796081  | 20.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                  |       |     |          |      |         |      |
|------------------|-------|-----|----------|------|---------|------|
| 37) 2,4-ddd surr | 27.43 | 235 | 265519   | 6.05 | ug/L    | 0.00 |
| Spiked Amount    | 5.000 |     | Recovery | =    | 121.00% |      |

## Target Compounds

|                                |       |     |       |           | Qvalue |
|--------------------------------|-------|-----|-------|-----------|--------|
| 2) N-nitroso-dimethyl amine    | 0.00  | 74  | 0     | N.D. d    |        |
| 3) bis(2-chloroethyl) ether    | 0.00  | 93  | 0     | N.D.      |        |
| 4) 1,3 - Dichlorobenze         | 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-Chloropr  | 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) methan | 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           | 0.00  | 149 | 0     | N.D.      |        |
| 26) 4-Chlorophenyl-phenyl ethe | 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.      |        |
| 30) N-Nitrosodiphenylamine     | 0.00  | 169 | 0     | N.D.      |        |
| 31) 4-Bromophenyl-phenyl ether | 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        | 0.00  | 149 | 0     | N.D. d    |        |
| 36) Fluoranthene               | 0.00  | 202 | 0     | N.D.      |        |
| 39) Pyrene                     | 0.00  | 202 | 0     | N.D.      |        |
| 40) Butylbenzylphthalate       | 29.05 | 149 | 11104 | 0.12 ug/L | 100 ✓  |
| 41) Benzo (a) anthracene       | 0.00  | 228 | 0     | N.D. d    |        |
| 42) Bis (2-ethylhexyl) phthala | 30.91 | 149 | 36667 | 0.29 ug/L | 88 ✓   |
| 43) Chrysene                   | 30.37 | 228 | 57415 | 0.36 ug/L | 95 ✓   |
| 45) Di-n-Octylphthalate        | 0.00  | 149 | 0     | N.D. d    |        |
| 46) Benzo (b) fluoranthene     | 33.23 | 252 | 16764 | 0.13 ug/L | 97 ✓   |

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

2150.D 5080302.M Wed Mar 20 07:02:26 2002

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\2150.D Vial: 28  
Acq On : 20 Mar 2002 12:15 am Operator: McLean  
Sample : GC/MS SCAN 3/8 Inst : Instrumen  
Misc : Multiplr: 1.00  
MS Integration Params: BENZO.P  
Quant Time: Mar 20 02:28:14 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)  
Title : Quantitation For Method 508gcscan  
Last Update : Thu Mar 14 13:02:27 2002  
Response via : Initial Calibration  
DataAcq Meth : 508SCAN

| Compound                     | R.T.  | QIon | Response | Conc | Unit | Qvalue |
|------------------------------|-------|------|----------|------|------|--------|
| 47) Benzo (k) fluoranthene   | 33.31 | 252  | 68733m   | 0.53 | ug/L |        |
| 48) Benzo (a) pyrene         | 0.00  | 252  | 0        | N.D. | d    |        |
| 49) Indeno (1,2,3-cd) pyrene | 0.00  | 276  | 0        | N.D. | d    |        |
| 50) Dibenz (a,h) anthracene  | 0.00  | 278  | 0        | N.D. | d    |        |
| 51) Benzo (g,h,i) perylene   | 0.00  | 276  | 0        | N.D. | d    |        |

-----  
(#) = qualifier out of range (m) = manual integration  
2150.D 5080302.M Wed Mar 20 07:02:27 2002

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\2150.D

Vial: 28

Acq On : 20 Mar 2002 12:15 am

Operator: McLean

Sample : GC/MS SCAN 3/8

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: BENZO.P

Quant Time: Mar 20 7:02 2002

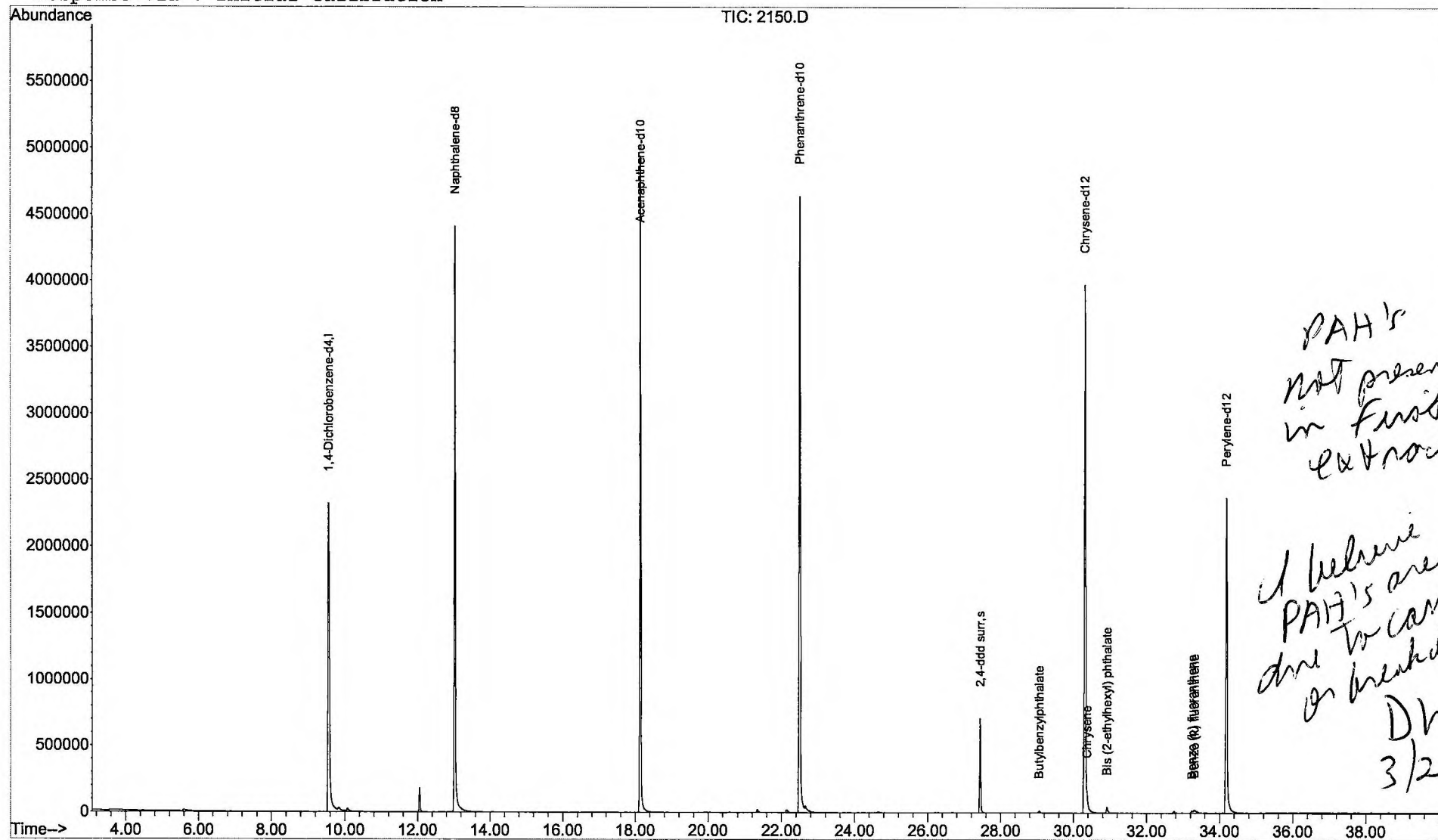
Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)

Title : Quantitation For Method 508gcscan

Last Update : Thu Mar 14 13:02:27 2002

Response via : Initial Calibration



## LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\031802\2150.D  
Acq On : 20 Mar 2002 12:15 am  
Sample : GC/MS SCAN 3/8  
Misc :  
MS Integration Params: LSCINT.P

Vial: 28  
Operator: McLean  
Inst : Instrumen  
Multiplr: 1.00

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)  
Title : Quantitation For Method 508gcscan  
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

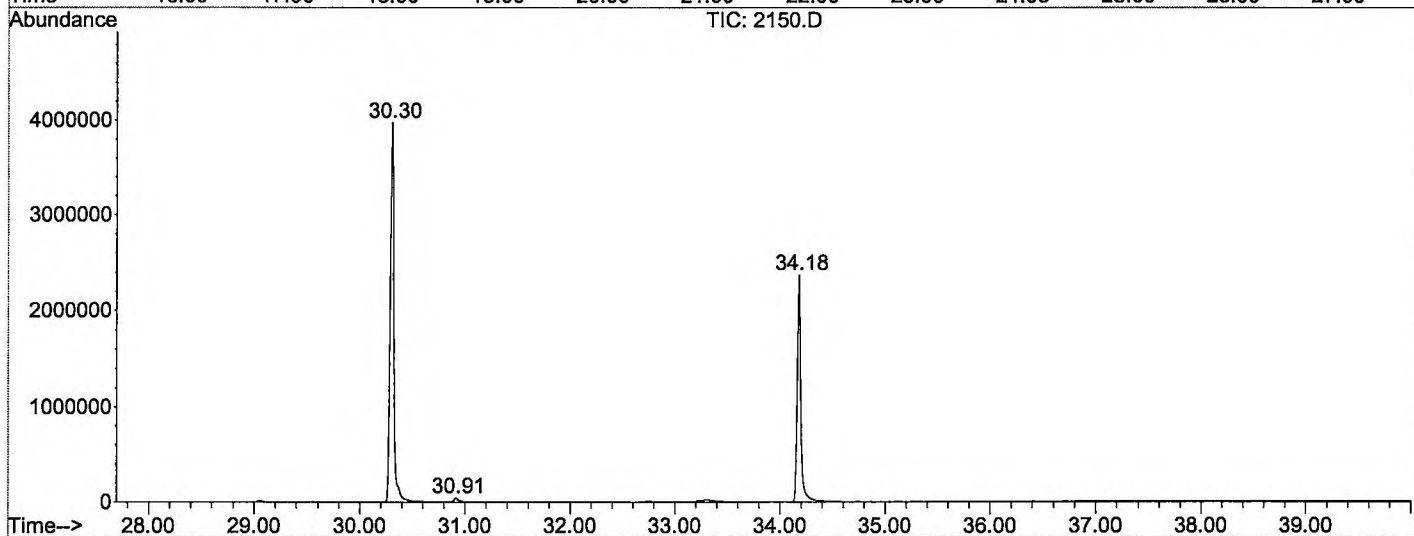
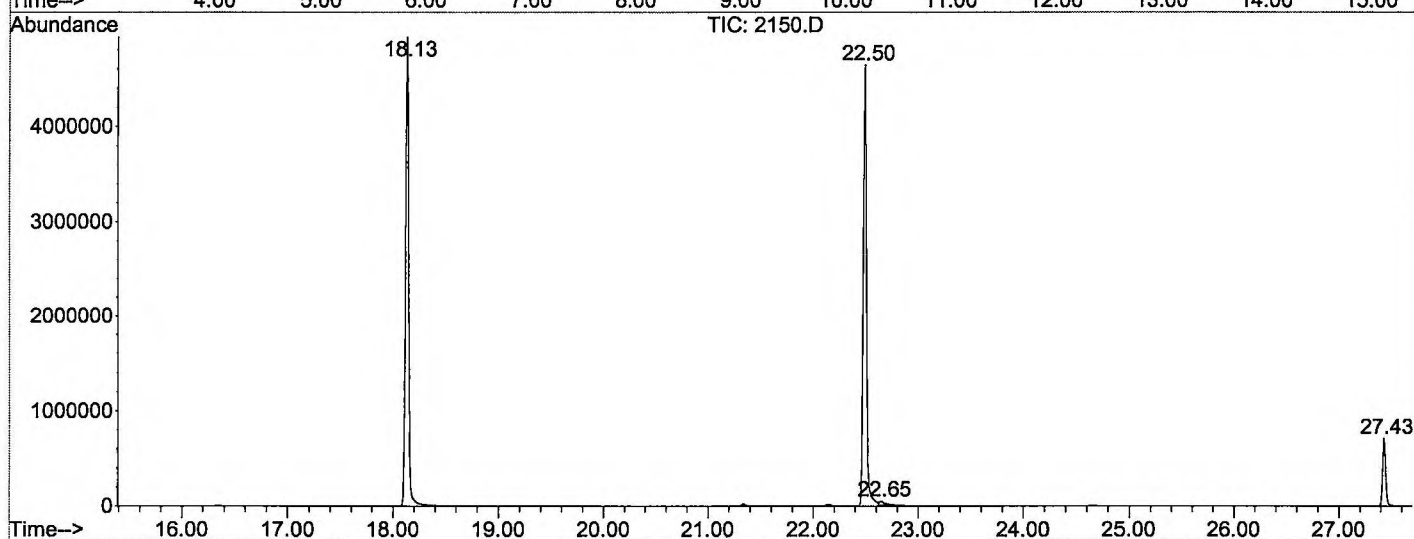
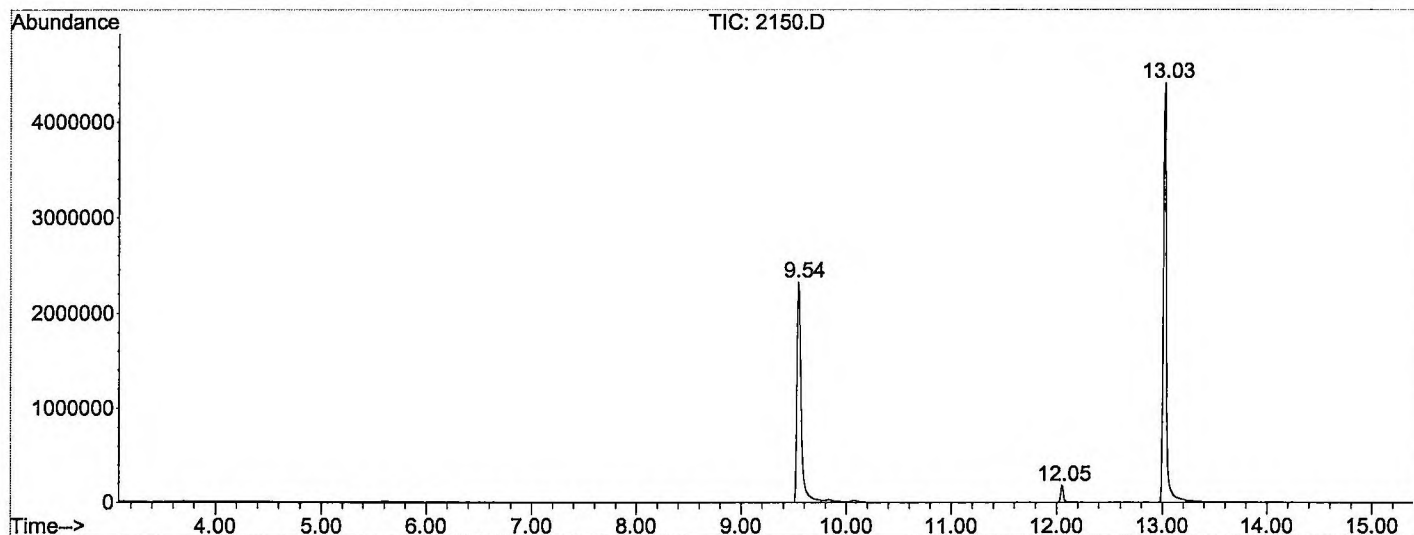
Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 9.543       | 708           | 713         | 737          | rBV      | 2320699        | 6726923       | 66.11%          | 12.481%       |
| 2         | 12.046      | 985           | 989         | 997          | rBV      | 178817         | 331165        | 3.25%           | 0.614%        |
| 3         | 13.026      | 1091          | 1097        | 1119         | rBV      | 4414416        | 9407078       | 92.45%          | 17.454%       |
| 4         | 18.132      | 1654          | 1660        | 1679         | rBV      | 4934202        | 10060501      | 98.88%          | 18.666%       |
| 5         | 22.495      | 2135          | 2141        | 2155         | rBV2     | 4640528        | 10174879      | 100.00%         | 18.878%       |
| 6         | 22.649      | 2155          | 2158        | 2169         | rVB2     | 39234          | 140471        | 1.38%           | 0.261%        |
| 7         | 27.429      | 2680          | 2685        | 2697         | rBV      | 708386         | 1411856       | 13.88%          | 2.620%        |
| 8         | 30.305      | 2995          | 3002        | 3019         | rBV2     | 3972634        | 9539194       | 93.75%          | 17.699%       |
| 9         | 30.912      | 3065          | 3069        | 3076         | rBV3     | 42462          | 112733        | 1.11%           | 0.209%        |
| 10        | 34.178      | 3423          | 3429        | 3453         | rBV2     | 2370258        | 5992635       | 58.90%          | 11.119%       |

Sum of corrected areas: 53897435

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031802\2150.D  
 Operator : McLean  
 Acquired : 20 Mar 2002 12:15 am using AcqMethod 508SCAN  
 Instrument : Instrumen  
 Sample Name: GC/MS SCAN 3/8  
 Misc Info :  
 Vial Number: 28  
 Quant File :5080302.RES (RTE Integrator)



## Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031802\2150.D

Acq On : 20 Mar 2002 12:15 am

Sample : GC/MS SCAN 3/8

Misc :

MS Integration Params: LSCINT.P

Vial: 28

Operator: McLean

Inst : Instrumen

Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)

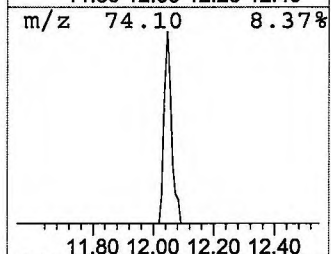
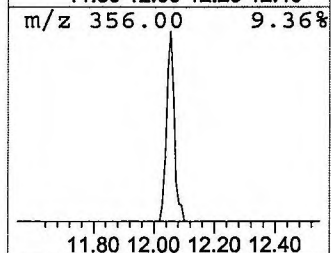
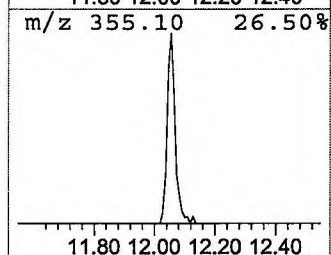
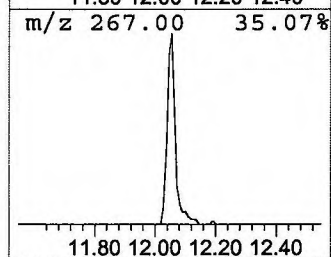
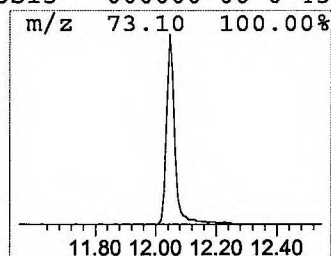
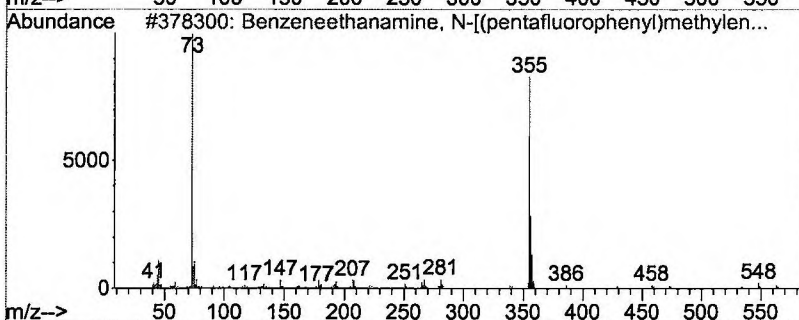
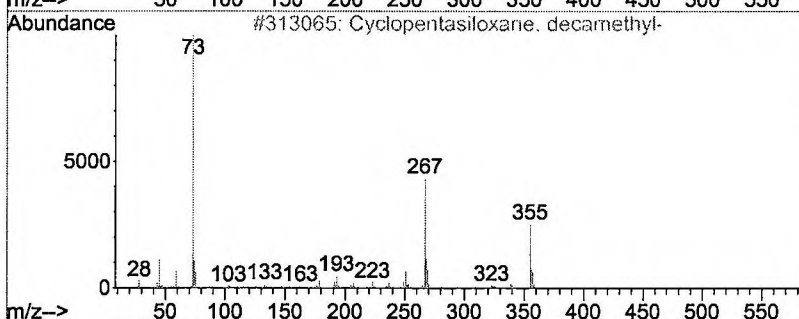
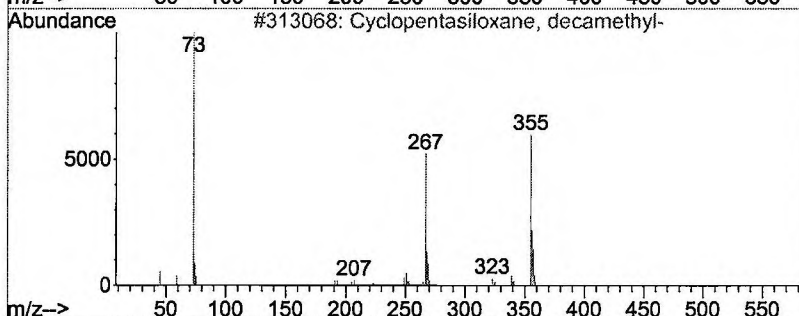
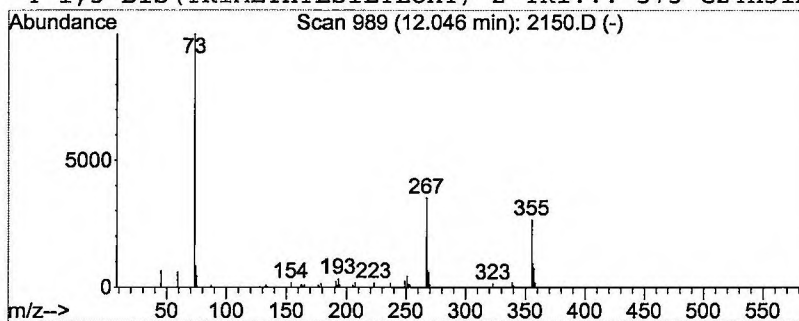
Title : Quantitation For Method 508gcscan

Library : C:\DATABASE\WILEY7N.L

\*\*\*\*\*  
Peak Number 1 Cyclopentasiloxane, decamet... Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 12.05 | 0.70 ug/L | 331165 | Naphthalene-d8   | 13.03 |

| Hit# | of | 5 | Tentative ID                           | MW  | MolForm        | CAS#        | Qual |
|------|----|---|----------------------------------------|-----|----------------|-------------|------|
| 1    |    |   | Cyclopentasiloxane, decamethyl-        | 370 | C10H30O5Si5    | 000541-02-6 | 91   |
| 2    |    |   | Cyclopentasiloxane, decamethyl-        | 370 | C10H30O5Si5    | 000541-02-6 | 70   |
| 3    |    |   | Benzeneethanamine, N-[(pentafluoro...] | 563 | C24H34F5NO3Si3 | 055429-13-5 | 47   |
| 4    |    |   | 1,3-BIS(TRIMETHYLSILYLOXY)-2-TRI...    | 573 | C24H51NO5Si5   | 000000-00-0 | 43   |



Tentatively Identified Compound (LSC) summary

Operator ID: McLean      Date Acquired: 20 Mar 2002    12:15 am  
 Data File: C:\MSDCHEM\1\DATA\031802\2150.D  
 Name: GC/MS SCAN 3/8  
 Misc:  
 Method: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)  
 Title: Quantitation For Method 508gcscan  
 Library Searched: C:\DATABASE\WILEY7N.L

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Cyclopentasiloxan... | 12.05 | 0.7     | ug/L  | 331165   | 2                     | 13.03 | 9407080 | 20.0 |