

User: Vinci, David L  
Westchester Dept. of Labs & Research  
Date: 05/20/2002 Time: 09:52:01

Sample: AE10211  
Analysis: \$GCMS GCMS Scan For Unknowns  
Units: ug  
Started: 5/20/02 09:51 Ended: 5/20/02 09:51 Analyst: DLV  
Page: 1

|   | Component Name          | Viol | Result | Qualifier | MDL  |
|---|-------------------------|------|--------|-----------|------|
| 1 | Other unknown compounds |      | .      |           |      |
| 2 | Surr_2,4-DDD            |      | 79     |           | 10.0 |

**Comments for Sample AE10211 - Analysis \$GCMS**

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 05-20-2002 Time: 09:52:06

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

Data File : C:\MSDCHEM\1\DATA\020509\10211.D  
 Acq On : 9 May 2002 10:29 pm  
 Sample : sample  
 Misc :  
 MS Integration Params: lscint.e  
 Quant Time: May 10 08:17:01 2002

Vial: 13  
 Operator: Nefliu  
 Inst : Instrumen  
 Multiplr: 1.00

Quant Results File: SCAN020507.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)  
 Title : Method 508 GC/MS Scan  
 Last Update : Thu May 09 09:21:01 2002  
 Response via : Initial Calibration  
 DataAcq Meth : 508SCAN1

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 11.38 | 152  | 495926   | 40.00 | ug/l  | -0.01    |
| 10) Naphthalene-d8        | 16.53 | 136  | 1900818  | 40.00 | ug/l  | -0.04    |
| 17) Acenaphthene-d10      | 24.46 | 164  | 1007682  | 40.00 | ug/l  | -0.02    |
| 30) Phenanthrene-d10      | 31.72 | 188  | 1730771  | 40.00 | ug/l  | -0.02    |
| 38) Chrysene-d12          | 39.93 | 240  | 1407577  | 40.00 | ug/l  | -0.05    |
| 44) Perylene-d12          | 43.15 | 264  | 877368   | 40.00 | ug/l  | -0.03    |

System Monitoring Compounds

|               |        |     |          |      |        |       |
|---------------|--------|-----|----------|------|--------|-------|
| 27) TCMX      | 27.53  | 207 | 63888    | 7.94 | ug/l   | -0.04 |
| Spiked Amount | 10.000 |     | Recovery | =    | 79.40% |       |

Target Compounds

Qvalue

-----  
 (#) = qualifier out of range (m) = manual integration (+) = signals summed  
 10211.D SCAN020507.M Tue May 14 14:13:54 2002 Page 1

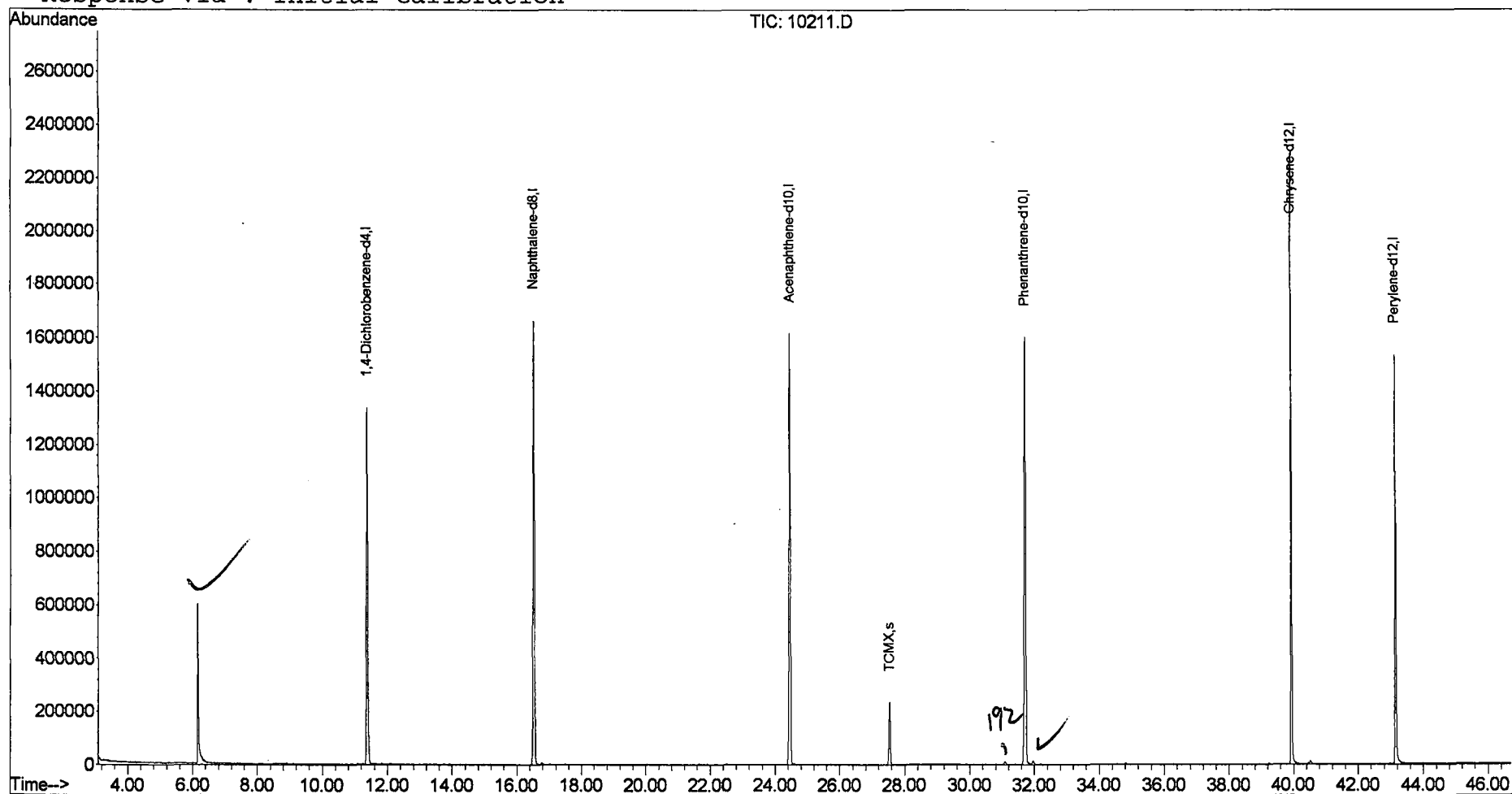
## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020509\10211.D  
Acq On : 9 May 2002 10:29 pm  
Sample : sample  
Misc :  
MS Integration Params: lscint.e  
Quant Time: May 10 8:18 2002

Vial: 13  
Operator: Nefliu  
Inst : Instrumen  
Multiplr: 1.00

Quant Results File: SCAN020507.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)  
Title : Method 508 GC/MS Scan  
Last Update : Thu May 09 09:21:01 2002  
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\020509\10211.D

Acq On : 9 May 2002 10:29 pm

Sample : sample

Misc :

MS Integration Params: rteint.e

Vial: 13

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)

Title : Method 508 GC/MS Scan

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0.7 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge &lt; 100 prefer &lt; Baseline drop else tangent &gt;

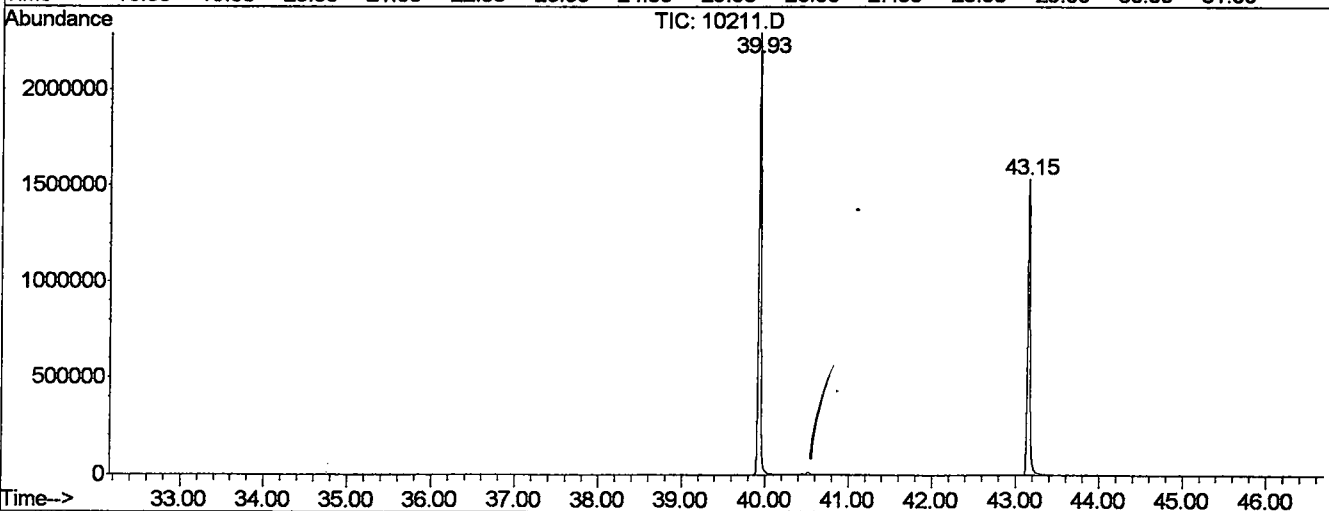
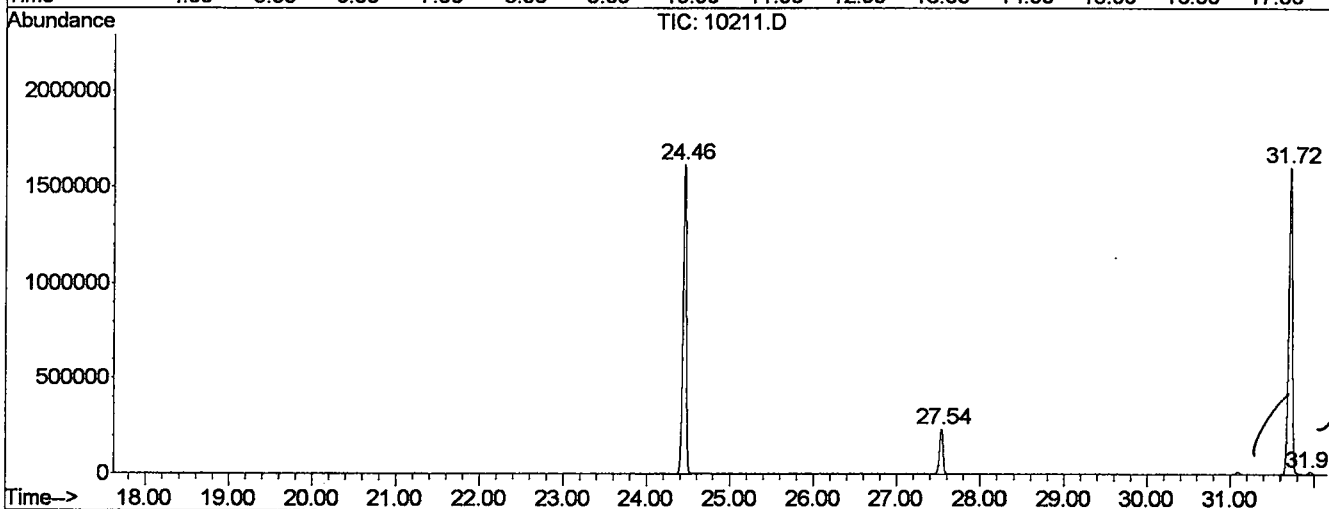
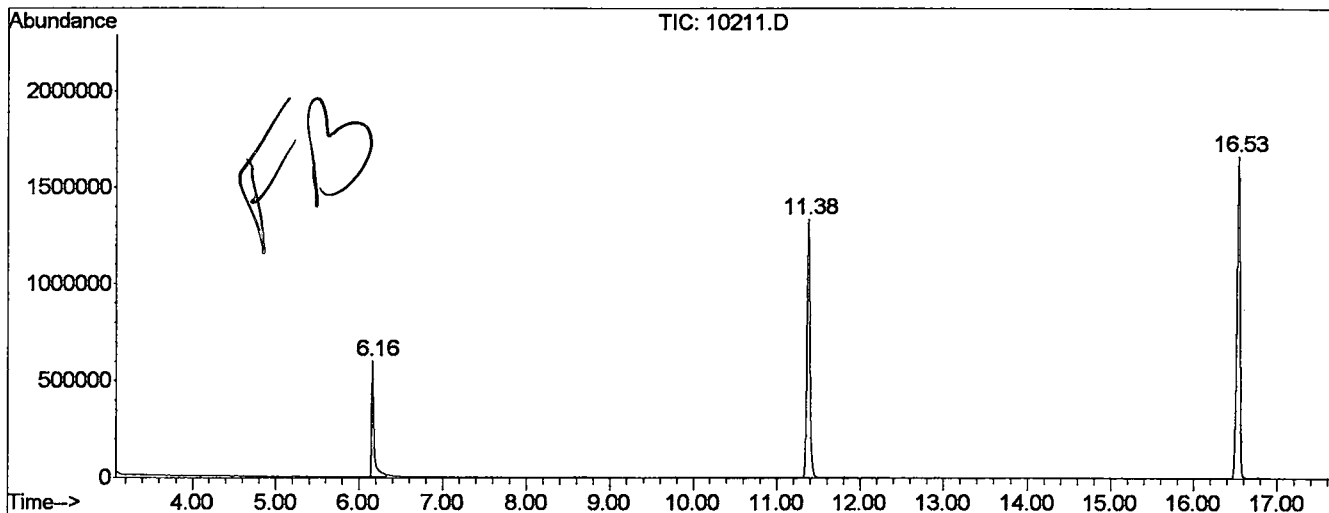
Peak separation: 5

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         | 6.158       | 518           | 524         | 553          | rBV      | 597629         | 1200441       | 24.62%          | 4.542%        |
| 2         | 11.376      | 1400          | 1412        | 1430         | rBV      | 1335005        | 3431892       | 70.37%          | 12.985%       |
| 3         | 16.534      | 2269          | 2290        | 2309         | rBV      | 1663262        | 4365179       | 89.51%          | 16.516%       |
| 4         | 24.461      | 3620          | 3639        | 3653         | rBV      | 1614281        | 4524503       | 92.78%          | 17.119%       |
| 5         | 27.539      | 4148          | 4163        | 4174         | rBV4     | 234682         | 655966        | 13.45%          | 2.482%        |
| 6         | 31.717      | 4854          | 4874        | 4895         | rBV2     | 1601287        | 4876673       | 100.00%         | 18.452%       |
| 7         | 31.958      | 4905          | 4915        | 4930         | rVB3     | 14282          | 40849         | 0.84%           | 0.155%        |
| 8         | 39.931      | 6258          | 6272        | 6293         | rBV2     | 2292149        | 4282276       | 87.81%          | 16.203%       |
| 9         | 43.151      | 6809          | 6820        | 6847         | rBV2     | 1533830        | 3051566       | 62.57%          | 11.546%       |

Sum of corrected areas: 26429345

File : C:\MSDCHEM\1\DATA\020509\10211.D  
 Operator : Nefliu  
 Acquired : 9 May 2002 10:29 pm using AcqMethod 508SCAN1  
 Instrument : Instrumen  
 Sample Name: sample  
 Misc Info :  
 Vial Number: 13  
 Quant File :SCAN020507.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\DATA\020509\10211.D  
 Acq On : 9 May 2002 10:29 pm  
 Sample : sample  
 Misc :  
 MS Integration Params: rteint.e

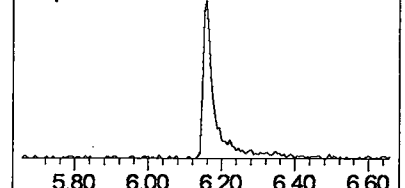
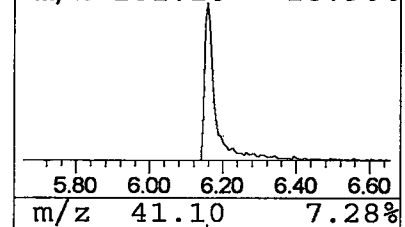
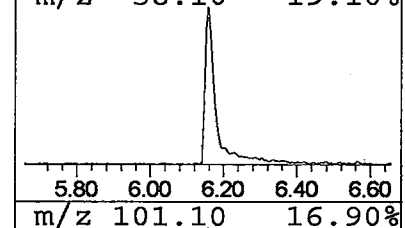
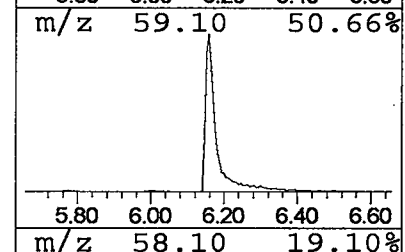
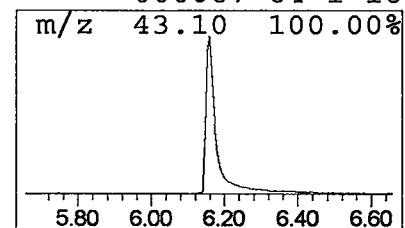
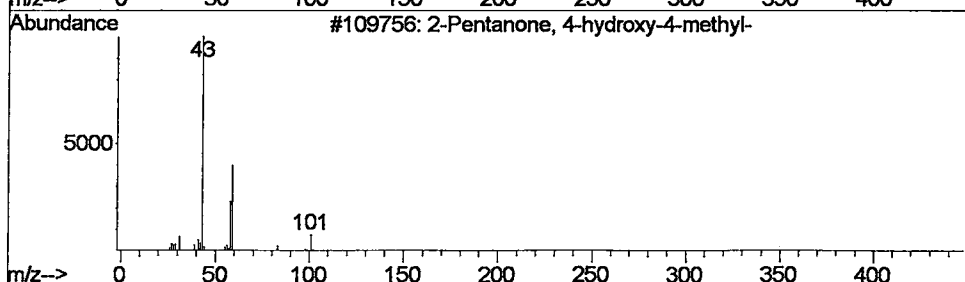
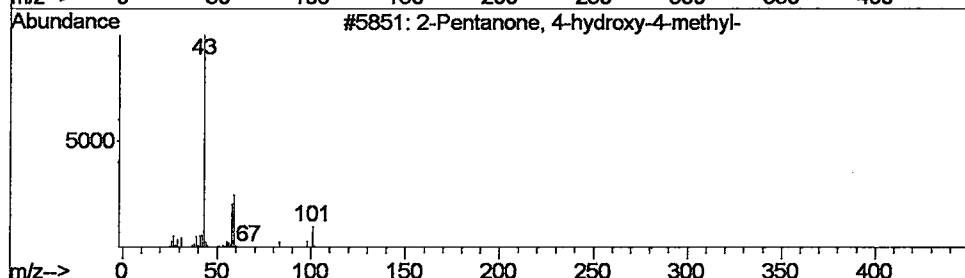
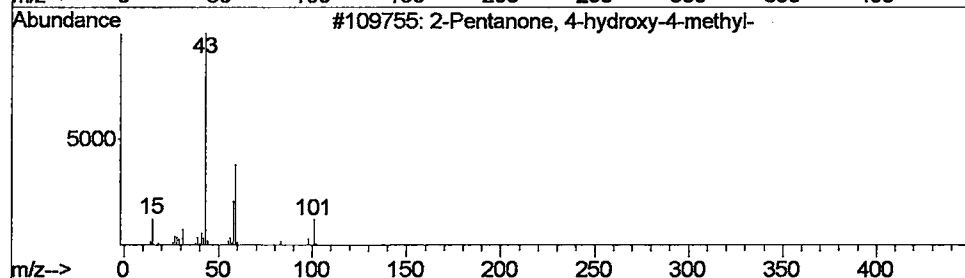
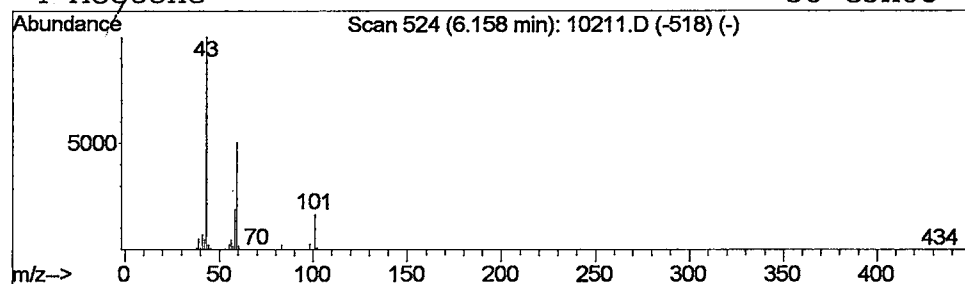
Vial: 13  
 Operator: Nefliu  
 Inst : Instrumen  
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)  
 Title : Method 508 GC/MS Scan  
 Library : C:\DATABASE\nist98.l

\*\*\*\*\*  
 Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc    | Area    | Relative to ISTD       | R.T.  |
|------|------------|---------|------------------------|-------|
| 6.16 | 13.99 ug/l | 1200440 | 1,4-Dichlorobenzene-d4 | 11.38 |

| Hit# of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|---------|---|----------------------------------|-----|---------|-------------|------|
| ✓1      |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 83   |
| 2       |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59   |
| 3       |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42   |
| 4       |   | Acetone                          | 58  | C3H6O   | 000067-64-1 | 16   |



• Data File : C:\MSDCHEM\1\DATA\020509\10211.D  
 Acq On : 9 May 2002 10:29 pm  
 Sample : sample  
 Misc :  
 MS Integration Params: rteint.e

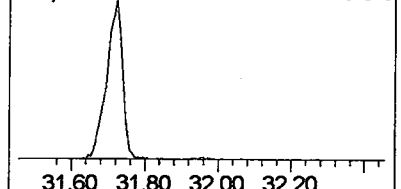
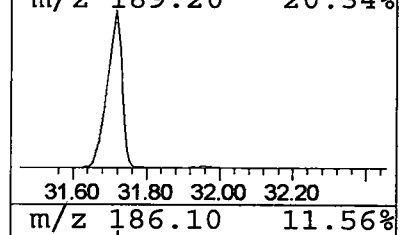
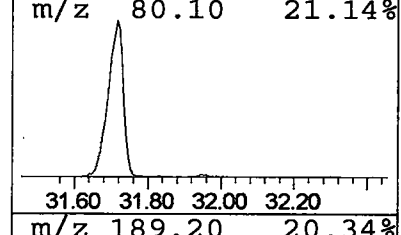
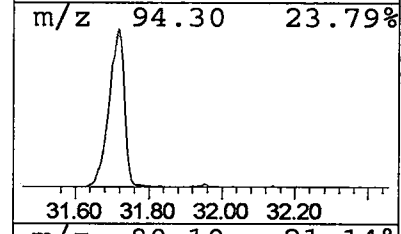
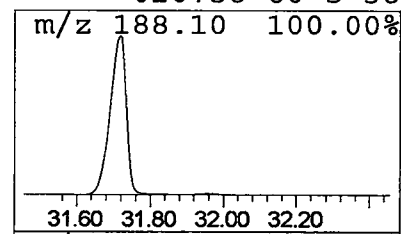
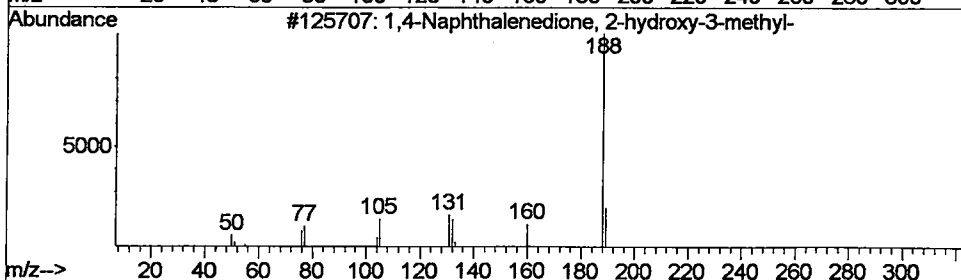
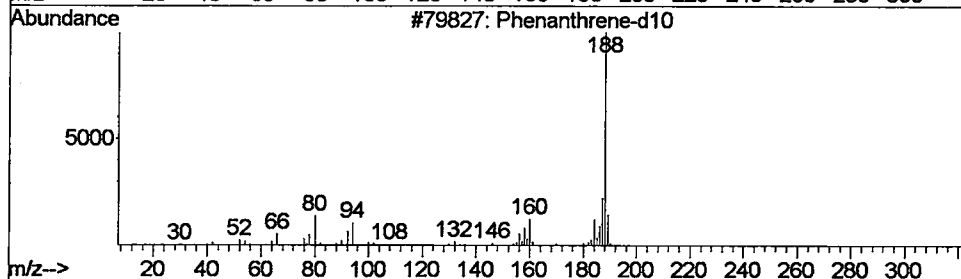
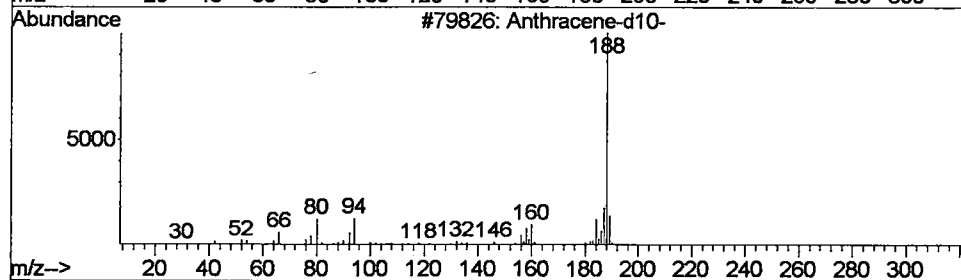
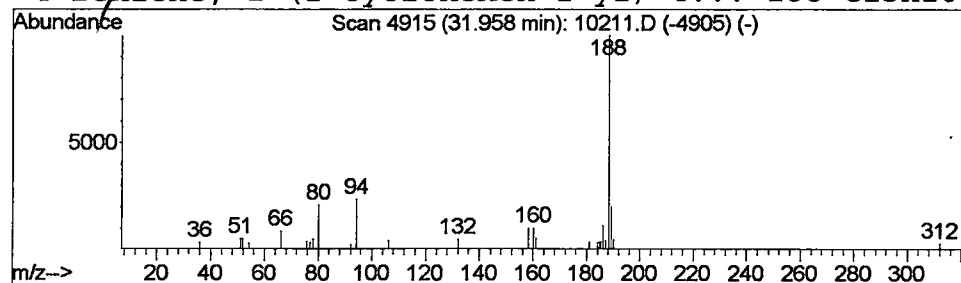
Vial: 13  
 Operator: Nefliu  
 Inst : Instrumen  
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)  
 Title : Method 508 GC/MS Scan  
 Library : C:\DATABASE\nist98.1

\*\*\*\*\*  
 Peak Number 2 Anthracene-d10- Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 31.96 | 0.34 ug/l | 40849 | Phenanthrene-d10 | 31.72 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene-d10-                     | 188 | C14D10  | 001719-06-8 | 72   |
| 2    |    |   | Phenanthrene-d10                    | 188 | C14D10  | 001517-22-2 | 59   |
| 3    |    |   | 1,4-Naphthalenedione, 2-hydroxy-... | 188 | C11H8O3 | 000483-55-6 | 46   |
| 4    |    |   | Benzene, 1-(1-cyclohexen-1-yl)-4... | 188 | C13H16O | 020758-60-5 | 38   |



Operator ID: Nefliu Date Acquired: 9 May 2002 10:29 pm  
Data File: C:\MSDCHEM\1\DATA\020509\10211.D  
Name: sample  
Misc:  
Method: C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)  
Title: Method 508 GC/MS Scan  
Library Searched: C:\DATABASE\nist98.1

| TIC Top Hit name                                                     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------------------------------------------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                                                                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy..                                                  | 6.16  | 14.0    | ug/l  | 1200440  | 1                     | 11.38 | 3431890 | 40.0 |
| <del>Anthracene-d10-</del><br><i>Dequantment also</i><br><i>(mv)</i> | 31.96 | 0.3     | ug/l  | 40849    | 4                     | 31.72 | 4876670 | 40.0 |