

Jser: Vinci, David L  
 Westchester Dept. of Labs & Research  
 Date: 05/22/2002 Time: 12:23:05

Sample: AE11279  
 Analysis: \$GCMS GCMS Scan For Unknowns  
 Units: ug  
 Started: 5/22/02 12:22 Ended: 5/22/02 12:22 Analyst: DLV  
 Page: 1

|   | Component Name          | Viol | Result | Qualifier | MDL  |
|---|-------------------------|------|--------|-----------|------|
| 1 | Other unknown compounds |      | .      |           |      |
| 2 | Surr_2,4-DDD            |      | 92     |           | 10.0 |

**Comments for Sample AE11279 - Analysis \$GCMS**

Westchester Dept. of Labs & Research

Analyst: Vinci, David L

Date: 05-22-2002 Time: 12:23:29

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020515\11279.D  
 Acq On : 15 May 2002 11:40 pm  
 Sample : sample  
 Misc :  
 MS Integration Params: rteint.e  
 Quant Time: May 16 09:56:33 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 : Wed May 15 15:22:39 2002  
 Response via : Initial Calibration  
 DataAcq Meth : 508SCAN1

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 11.37 | 152  | 447078   | 40.00 | ug/l  | -0.02    |
| 10) Naphthalene-d8        | 16.53 | 136  | 1678073  | 40.00 | ug/l  | -0.04    |
| 17) Acenaphthene-d10      | 24.45 | 164  | 893244   | 40.00 | ug/l  | -0.02    |
| 30) Phenanthrene-d10      | 31.72 | 188  | 1533667  | 40.00 | ug/l  | -0.02    |
| 38) Chrysene-d12          | 39.93 | 240  | 1243691  | 40.00 | ug/l  | -0.05    |
| 44) Perylene-d12          | 43.15 | 264  | 750454   | 40.00 | ug/l  | -0.03    |

|                             |        |     |          |       |        |       |
|-----------------------------|--------|-----|----------|-------|--------|-------|
| System Monitoring Compounds |        |     |          |       |        |       |
| 27) TCMX                    | 27.55  | 207 | 263775   | 36.97 | ug/l   | -0.02 |
| Spiked Amount               | 40.000 |     | Recovery | =     | 92.42% |       |

|                                |       |     |       |      |      |        |
|--------------------------------|-------|-----|-------|------|------|--------|
| Target Compounds               |       |     |       |      |      | Qvalue |
| 35) Di-n-butylphthalate        | 34.80 | 149 | 5523  | 0.11 | ug/l | 88     |
| 43) Bis(2-ethylhexyl)phthalate | 40.51 | 149 | 35365 | 1.33 | ug/l | 97     |

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 (#) = qualifier out of range (m) = manual integration (+) = signals summed  
 11279.D SCAN020507.M Thu May 16 09:57:54 2002 Page 1

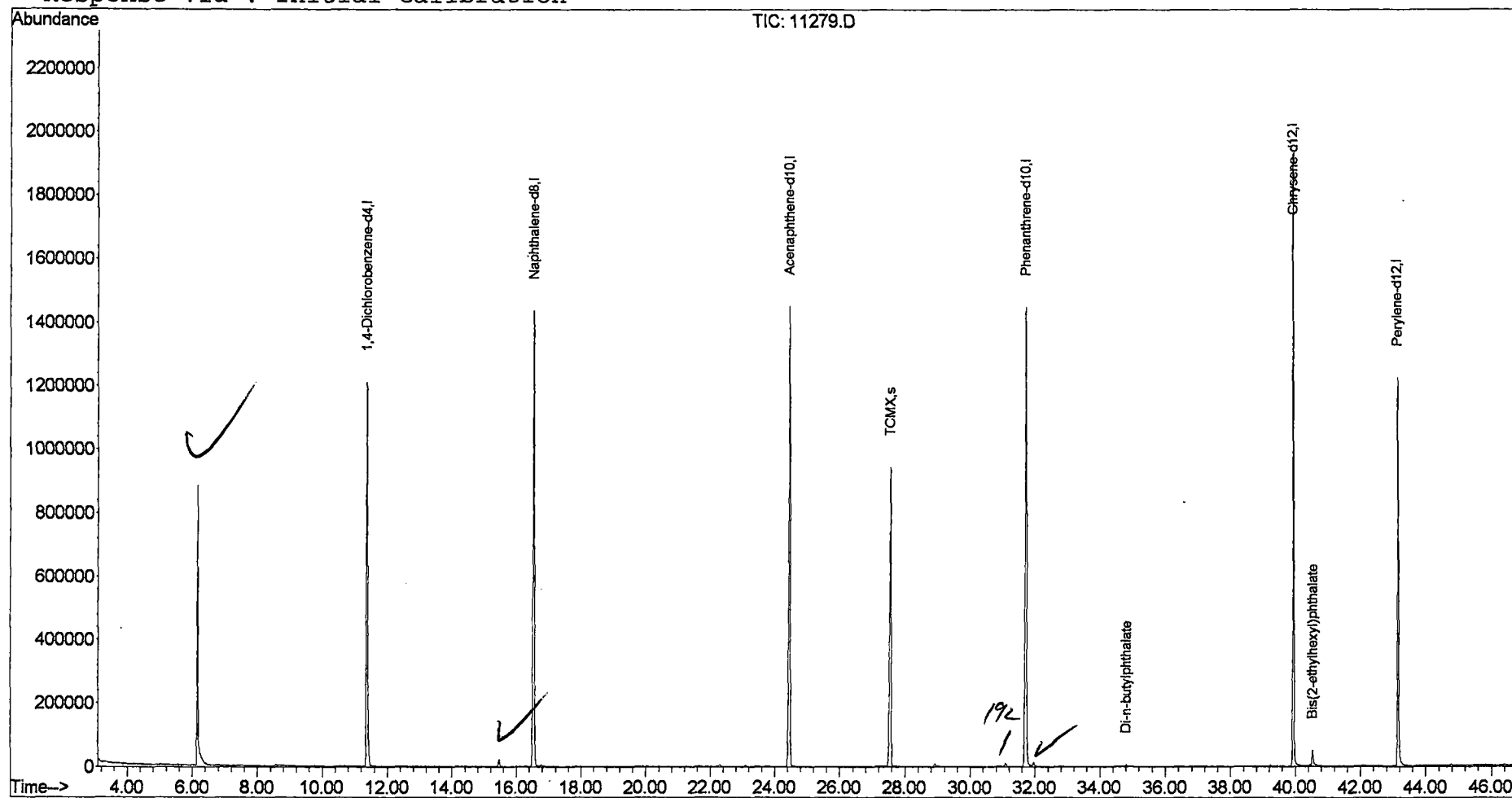
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020515\11279.D  
 Acq On : 15 May 2002 11:40 pm  
 Sample : sample  
 Misc :  
 MS Integration Params: rteint.e  
 Quant Time: May 16 9:57 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 : Wed May 15 15:22:39 2002  
 Response via : Initial Calibration



## LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020515\11279.D  
Acq On : 15 May 2002 11:40 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: 0.5 % of largest Peak  
Max Peaks: 100  
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

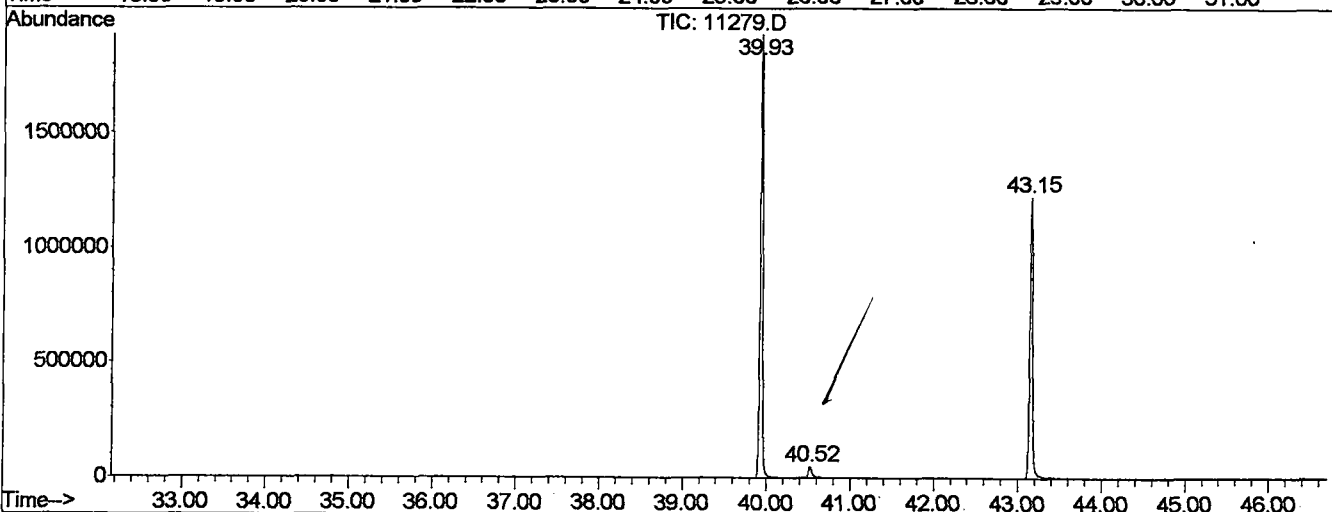
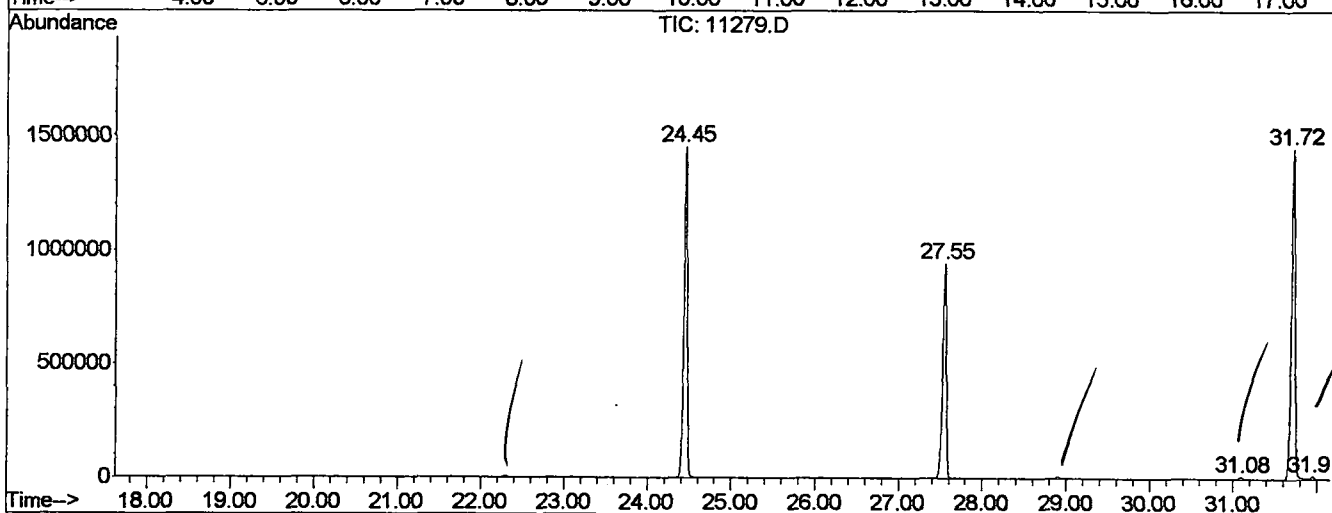
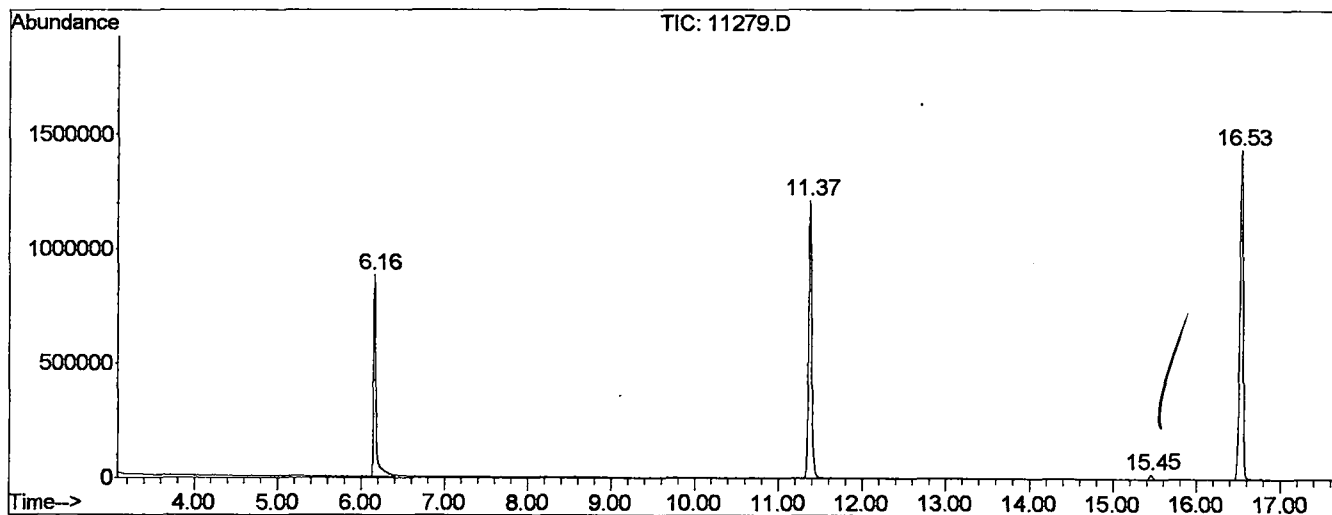
Signal : TIC

| 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         | 6.158       | 516           | 524         | 565          | rBV      | 881292         | 1784954       | 41.29%          | 6.724%        |
| 2         | 11.370      | 1399          | 1411        | 1433         | rBV      | 1208915        | 3092028       | 71.52%          | 11.648%       |
| 3         | 15.453      | 2098          | 2106        | 2117         | rVB2     | 20491          | 54453         | 1.26%           | 0.205%        |
| 4         | 16.534      | 2275          | 2290        | 2306         | rBV      | 1436088        | 3858706       | 89.25%          | 14.536%       |
| 5         | 24.455      | 3615          | 3638        | 3658         | rBV      | 1451920        | 4033584       | 93.30%          | 15.195%       |
| 6         | 27.551      | 4144          | 4165        | 4180         | rVB2     | 943040         | 2754878       | 63.72%          | 10.378%       |
| 7         | 31.082      | 4754          | 4766        | 4777         | rVB6     | 10827          | 32770         | 0.76%           | 0.123%        |
| 8         | 31.717      | 4855          | 4874        | 4899         | rBV2     | 1448843        | 4323322       | 100.00%         | 16.286%       |
| 9         | 31.952      | 4905          | 4914        | 4928         | rVB6     | 14070          | 41263         | 0.95%           | 0.155%        |
| 10        | 39.931      | 6259          | 6272        | 6297         | rBV2     | 1930451        | 3801189       | 87.92%          | 14.319%       |
| 11        | 40.519      | 6365          | 6372        | 6390         | rBV2     | 47923          | 142326        | 3.29%           | 0.536%        |
| 12        | 43.151      | 6808          | 6820        | 6844         | rBV      | 1224151        | 2626134       | 60.74%          | 9.893%        |

Sum of corrected areas: 26545607

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020515\11279.D  
 Operator : Nefliu  
 Acquired : 15 May 2002 11:40 pm using AcqMethod 508SCAN1  
 Instrument : Instrumen  
 Sample Name: sample  
 Misc Info :  
 Vial Number: 13  
 Quant File :SCAN020507.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020515\11279.D  
 Acq On : 15 May 2002 11:40 pm  
 Sample : sample  
 Misc :  
 MS Integration Params: rteint.e

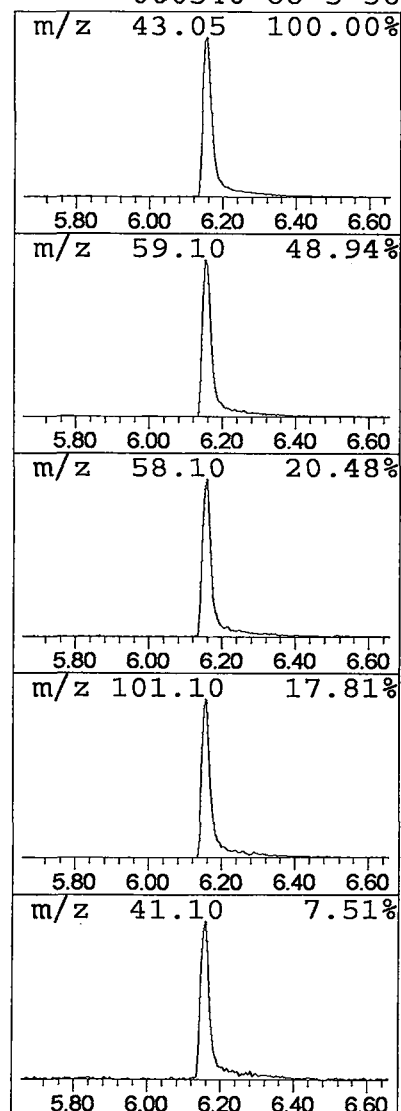
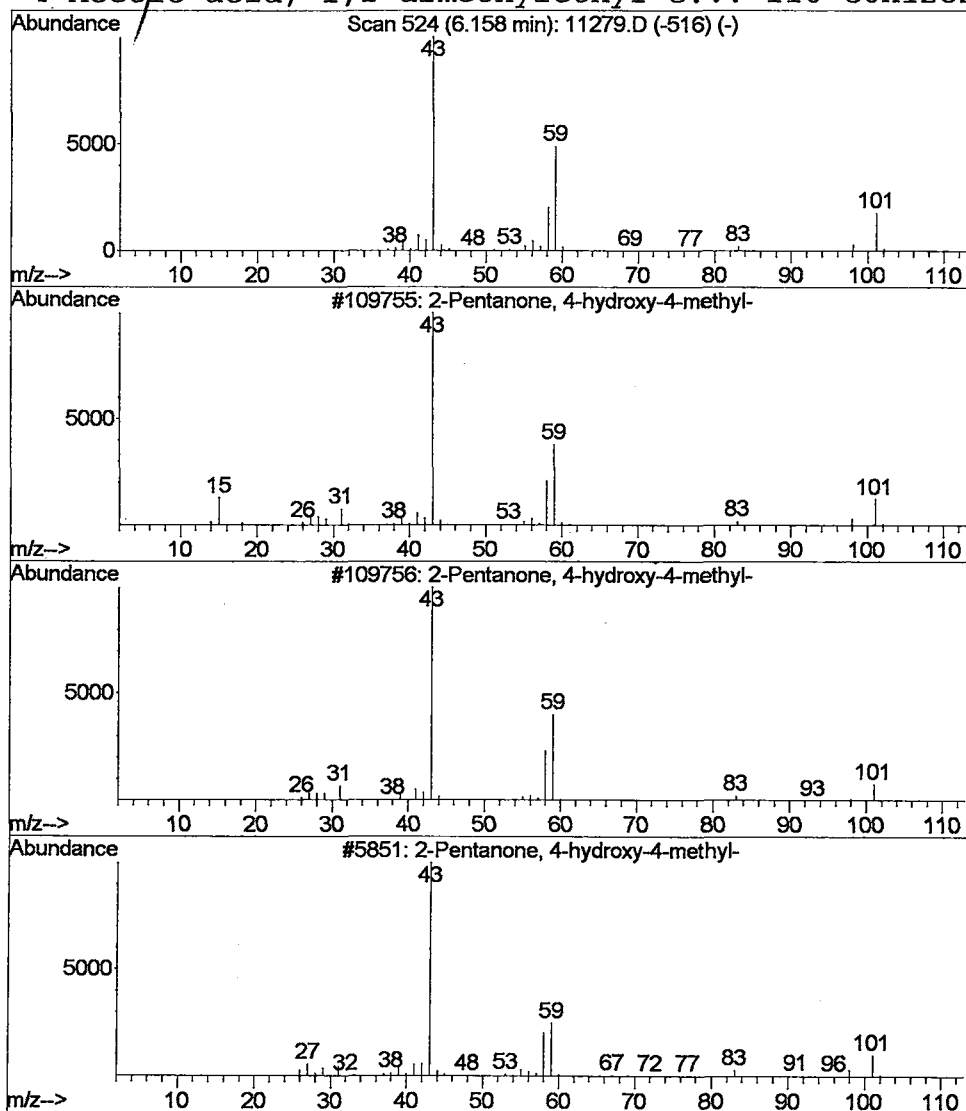
Vial: 13  
 Operator: Nefliu  
 Inst : Instrumen  
 Multiplr: 1.00

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 | 23.09 ug/l | 1784950 | 1,4-Dichlorobenzene-d4 | 11.37 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| ✓ 1  | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 83   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 56   |
| 3    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 36   |
| 4    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 36   |



## Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020515\11279.D

Acq On : 15 May 2002 11:40 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

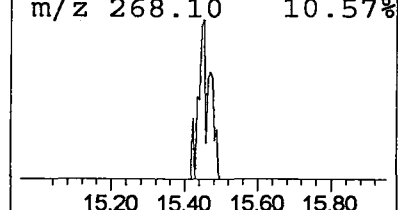
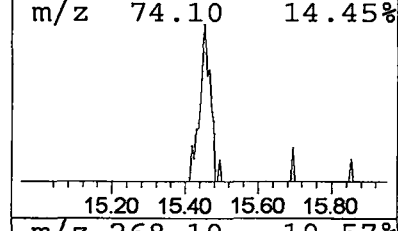
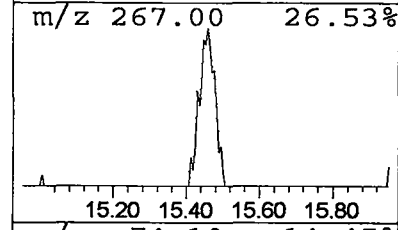
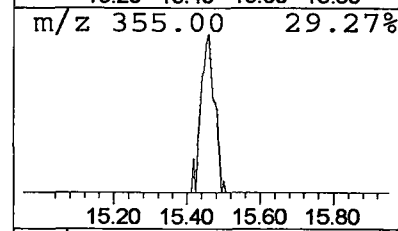
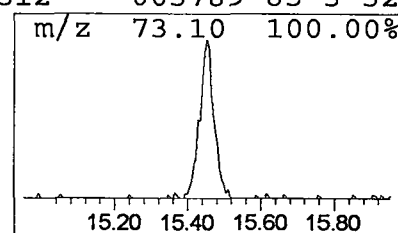
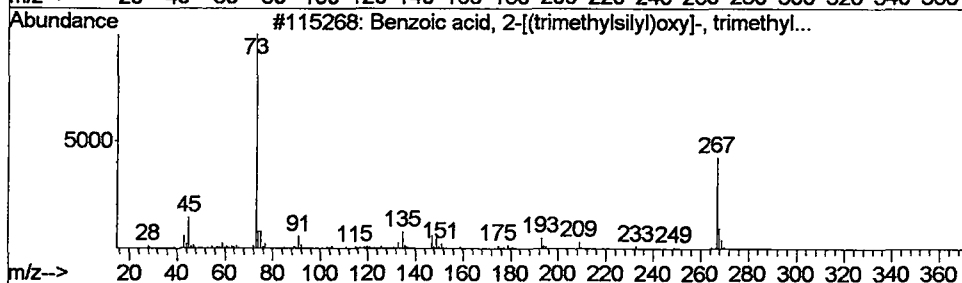
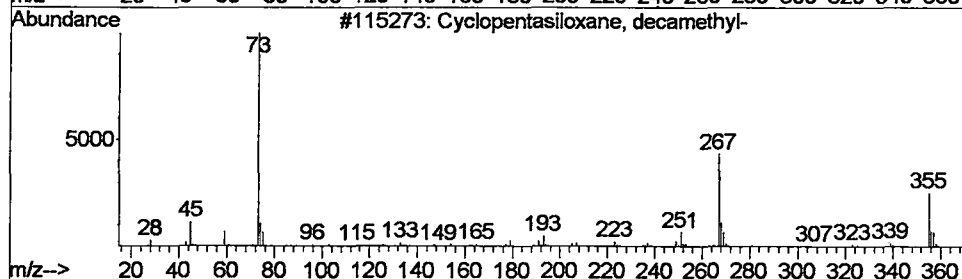
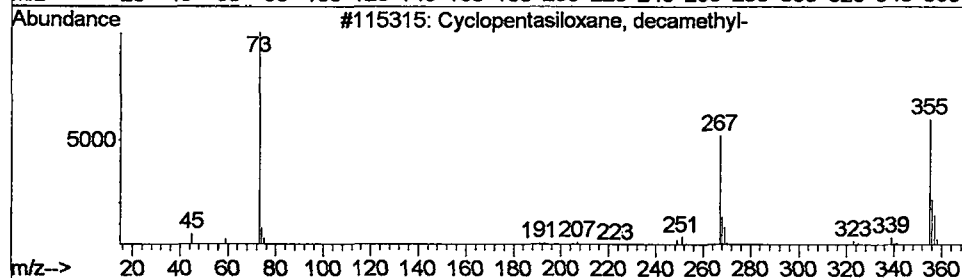
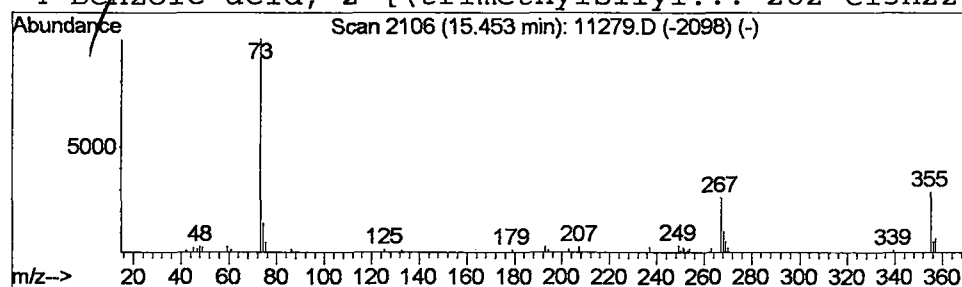
Library : C:\DATABASE\nist98.l

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Peak Number 2 Cyclopentasiloxane, decamet... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 15.45 | 0.56 ug/l | 54453 | Naphthalene-d8   | 16.53 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm     | CAS#        | Qual |
|---------|---|--------------------------------------|-----|-------------|-------------|------|
| ✓ 1     |   | Cyclopentasiloxane, decamethyl-      | 370 | C10H30O5Si5 | 000541-02-6 | 50   |
| 2       |   | Cyclopentasiloxane, decamethyl-      | 370 | C10H30O5Si5 | 000541-02-6 | 40   |
| 3       |   | Benzoic acid, 2-[(trimethylsilyl)... | 282 | C13H22O3Si2 | 003789-85-3 | 32   |
| 4       |   | Benzoic acid, 2-[(trimethylsilyl)... | 282 | C13H22O3Si2 | 003789-85-3 | 32   |



## Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020515\11279.D  
Acq On : 15 May 2002 11:40 pm  
Sample : sample  
Misc :  
MS Integration Params: rteint.e

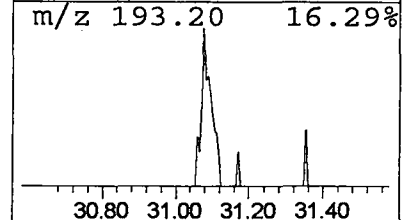
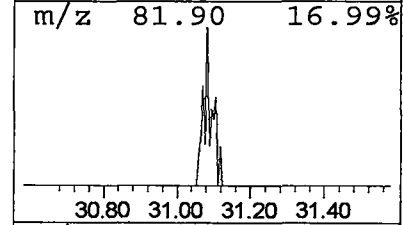
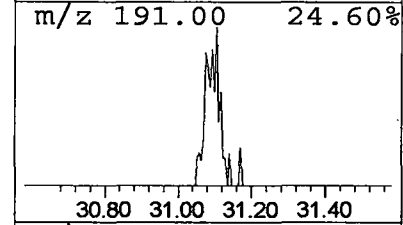
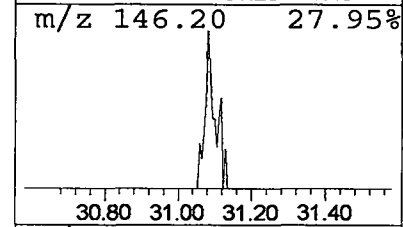
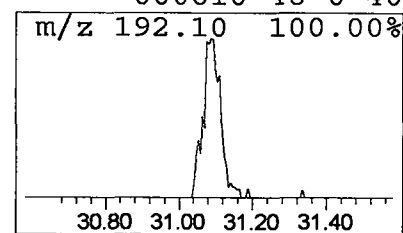
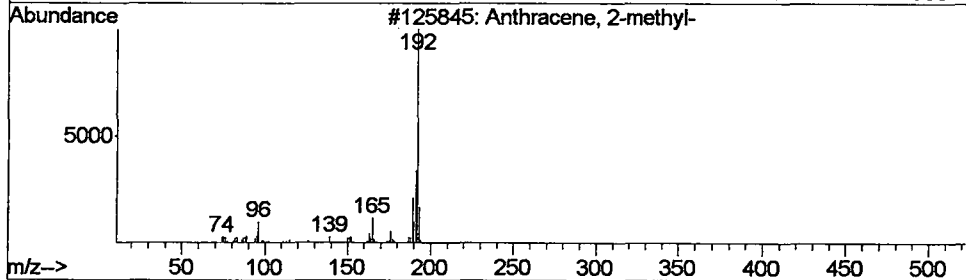
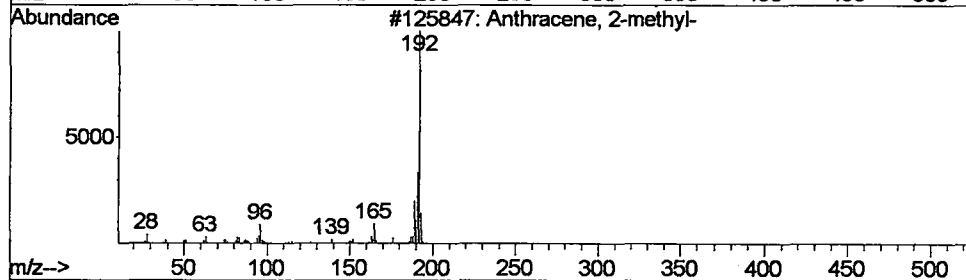
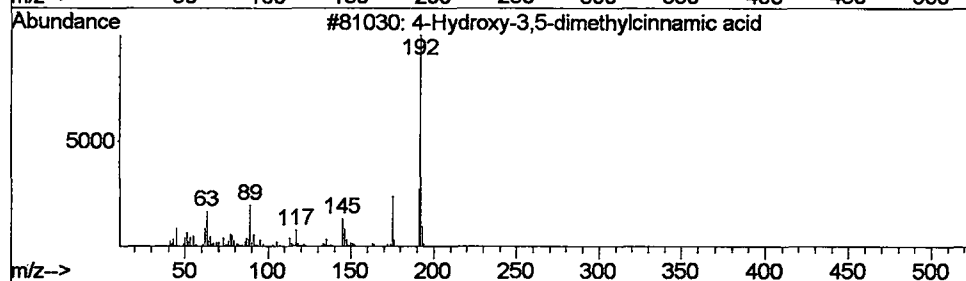
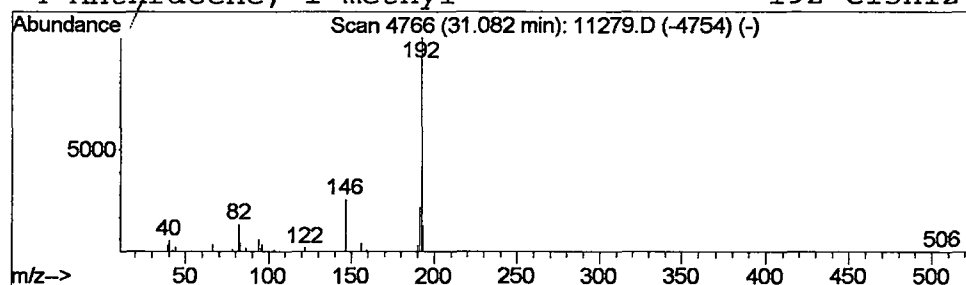
Vial: 13  
Operator: Nefliu  
Inst : Instrumen  
Multiplr: 1.00

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

\*\*\*\*\*  
Peak Number 3 4-Hydroxy-3,5-dimethylcinna... Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 31.08 | 0.30 ug/l | 32770 | Phenanthrene-d10 | 31.72 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|---------|---|-------------------------------------|-----|----------|--------------|------|
| 1       |   | 4-Hydroxy-3,5-dimethylcinnamic acid | 192 | C11H12O3 | 1000132-15-8 | 47   |
| 2       |   | Anthracene, 2-methyl-               | 192 | C15H12   | 000613-12-7  | 47   |
| 3       |   | Anthracene, 2-methyl-               | 192 | C15H12   | 000613-12-7  | 47   |
| 4       |   | Anthracene, 1-methyl-               | 192 | C15H12   | 000610-48-0  | 40   |



## Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020515\11279.D

Acq On : 15 May 2002 11:40 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)

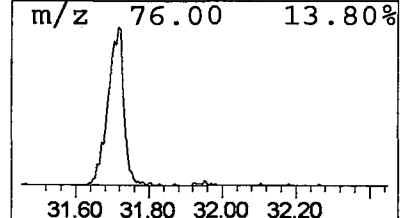
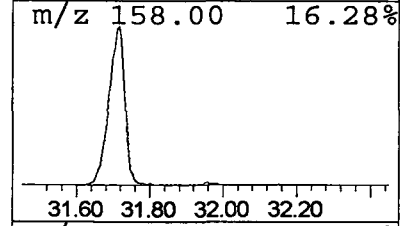
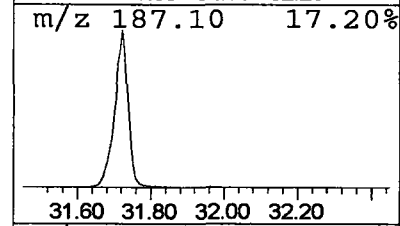
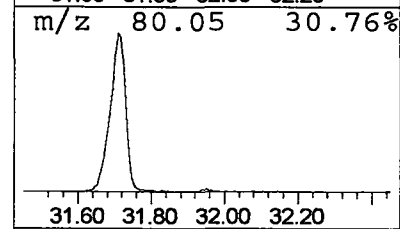
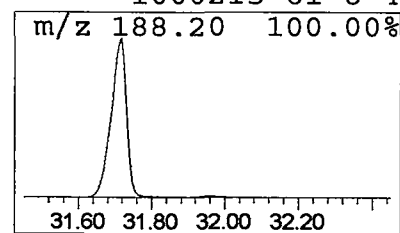
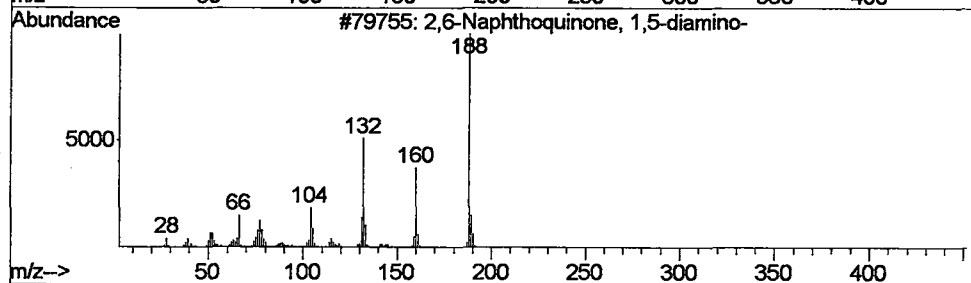
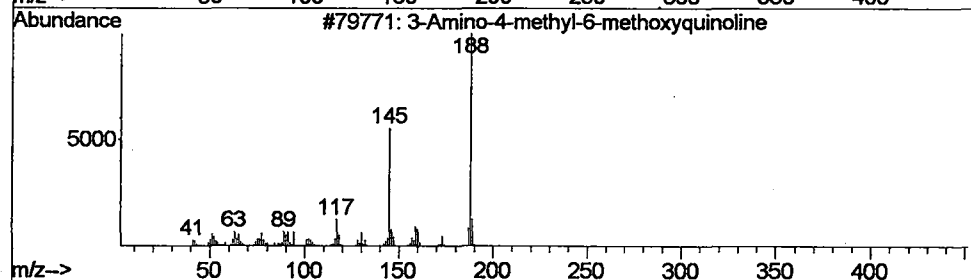
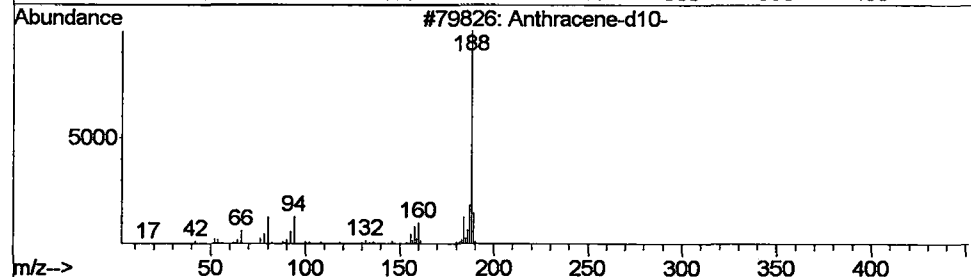
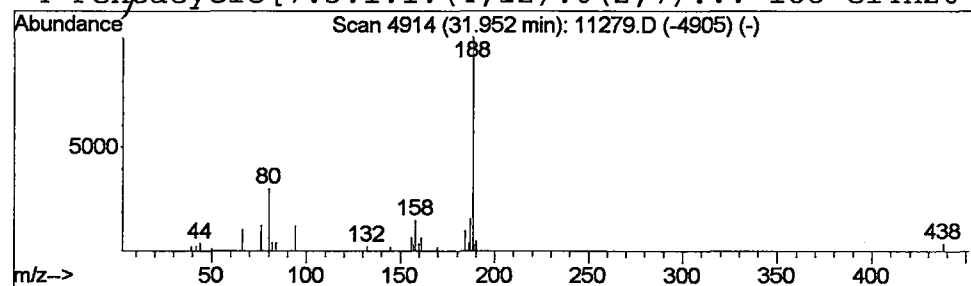
Title : Method 508 GC/MS Scan

Library : C:\DATABASE\nist98.l

\*\*\*\*\*  
Peak Number 4 Anthracene-d10- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 31.95 | 0.38 ug/l | 41263 | Phenanthrene-d10 | 31.72 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|-----------|--------------|------|
| ✓1   |    |   | Anthracene-d10-                      | 188 | C14D10    | 001719-06-8  | 80   |
| 2    |    |   | 3-Amino-4-methyl-6-methoxyquinoline  | 188 | C11H12N2O | 1000213-71-3 | 47   |
| 3    |    |   | 2,6-Naphthoquinone, 1,5-diamino-     | 188 | C10H8N2O2 | 002783-59-7  | 43   |
| 4    |    |   | Pentacyclo[7.3.1.1.(4,12).0(2,7)...] | 188 | C14H20    | 1000215-61-8 | 42   |



## tentatively identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 15 May 2002 11:40 pm  
Data File: C:\MSDCHEM\1\DATA\020515\11279.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  | 23.1    | ug/l  | 1784950  | 1                     | 11.37 | 3092030 | 40.0 |
| Cyclopentasiloxan... | 15.45 | 0.6     | ug/l  | 54453    | 2                     | 16.53 | 3858710 | 40.0 |
| 4-Hydroxy-3,5-dim... | 31.08 | 0.3     | ug/l  | 32770    | 4                     | 31.72 | 4323320 | 40.0 |
| Anthracene-d10-      | 31.95 | 0.4     | ug/l  | 41263    | 4                     | 31.72 | 4323320 | 40.0 |