User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/20/2002 Time: 10:26:51

Sample: AE10238
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/20/02 10:26 Ended: 5/20/02 10:26 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		75		10.0

Comments for Sample AE10238 - Analysis $GCMS

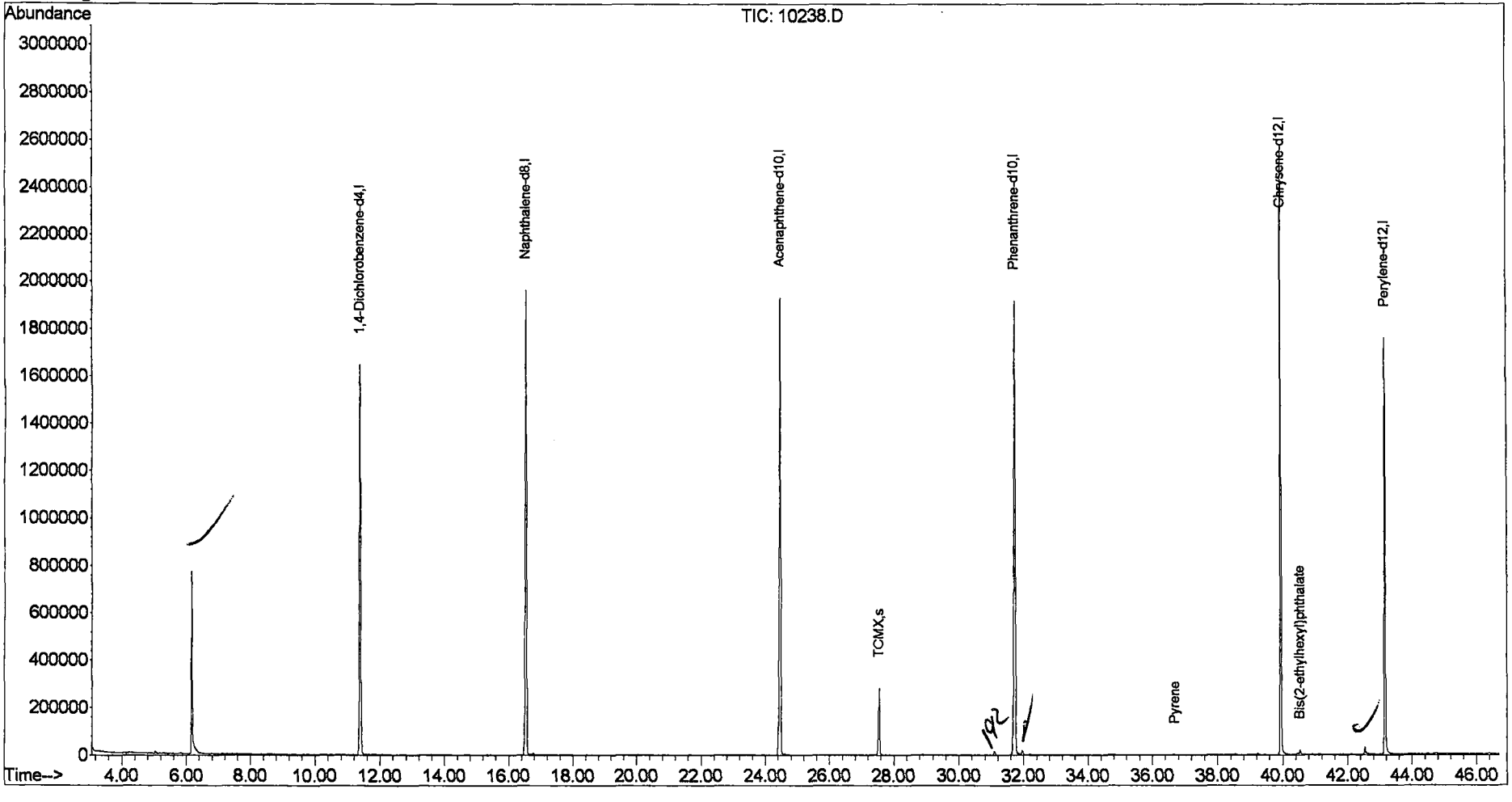
Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-20-2002 Time: 10:28:29

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\020509\10238.D Vial: 16
Acq On : 10 May 2002 1:27 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: lscint.e
Quant Time: May 10 8:22 2002 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



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020509\10238.D Vial: 16
Acq On : 10 May 2002 1:27 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.7 % 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

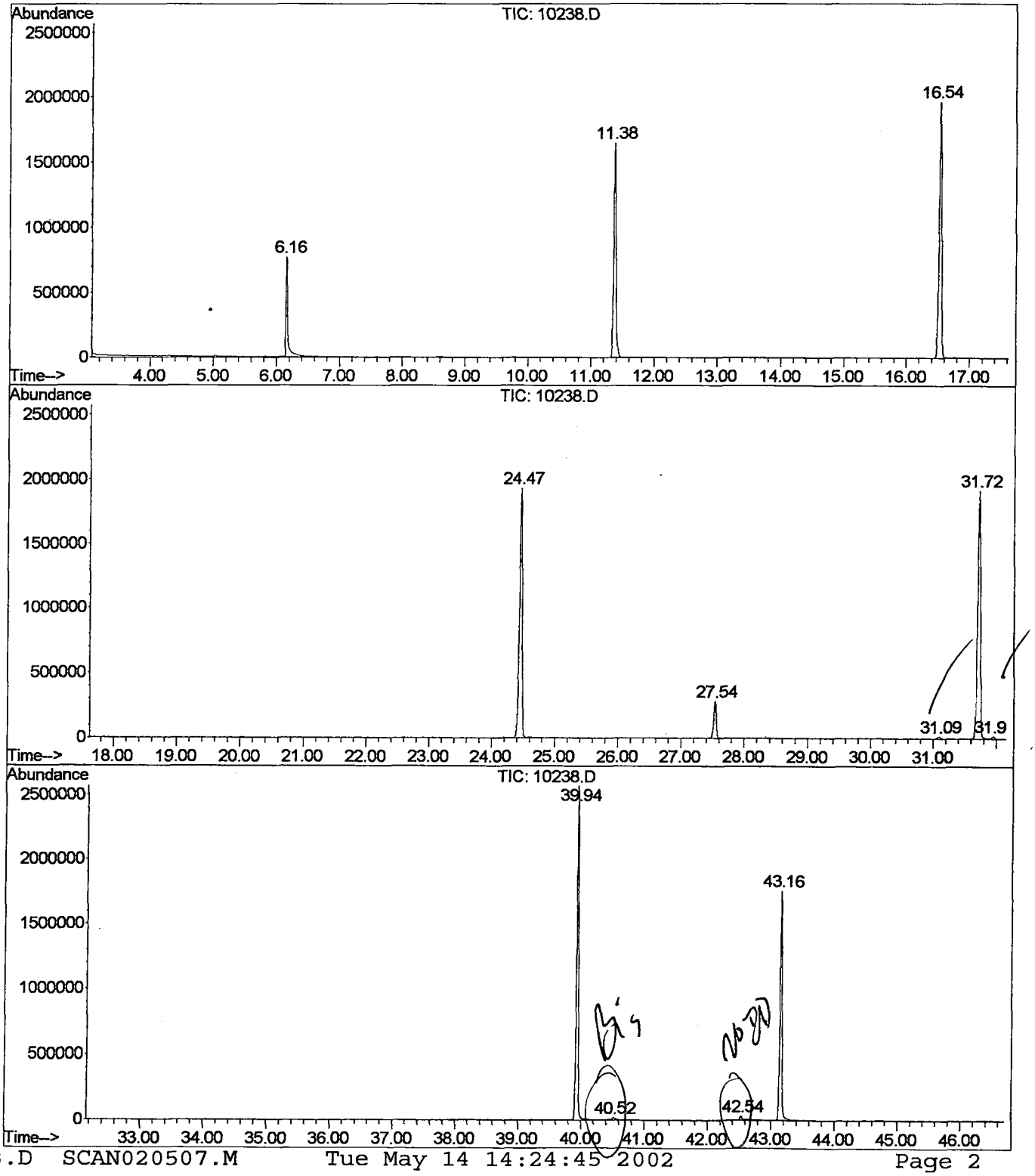
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.158	512	524	567	rBV	771279	1544531	26.06%	4.759%
2	11.376	1398	1412	1432	rBV	1646183	4179742	70.51%	12.880%
3	16.540	2269	2291	2305	rBV	1962004	5315422	89.67%	16.379%
4	24.466	3618	3640	3655	rBV	1933463	5540090	93.46%	17.071%
5	27.539	4147	4163	4174	rBV3	282954	790567	13.34%	2.436%
6	31.094	4754	4768	4780	rBV4	16448	53739	0.91%	0.166%
7	31.723	4855	4875	4896	rBV2	1918175	5927776	100.00%	18.266%
8	31.946	4906	4913	4925	rVB3	17905	52890	0.89%	0.163%
9	39.937	6261	6273	6288	rBV2	2567050	5127902	86.51%	15.801%
10	40.518	6367	6372	6388	rVB3	18197	53276	0.90%	0.164%
11	42.540	6708	6716	6729	rBV4	31459	88895	1.50%	0.274%
12	43.157	6809	6821	6848	rBV2	1761124	3777599	63.73%	11.640%

Sum of corrected areas: 32452429

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020509\10238.D
Operator : Nefliu
Acquired : 10 May 2002 1:27 am using AcqMethod 508SCAN1
Instrument : Instrumen
Sample Name: sample
Misc Info :
Vial Number: 16
Quant File :SCAN020507.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020509\10238.D
Acq On : 10 May 2002 1:27 am
Sample : sample
Misc :
MS Integration Params: rteint.e

Vial: 16
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

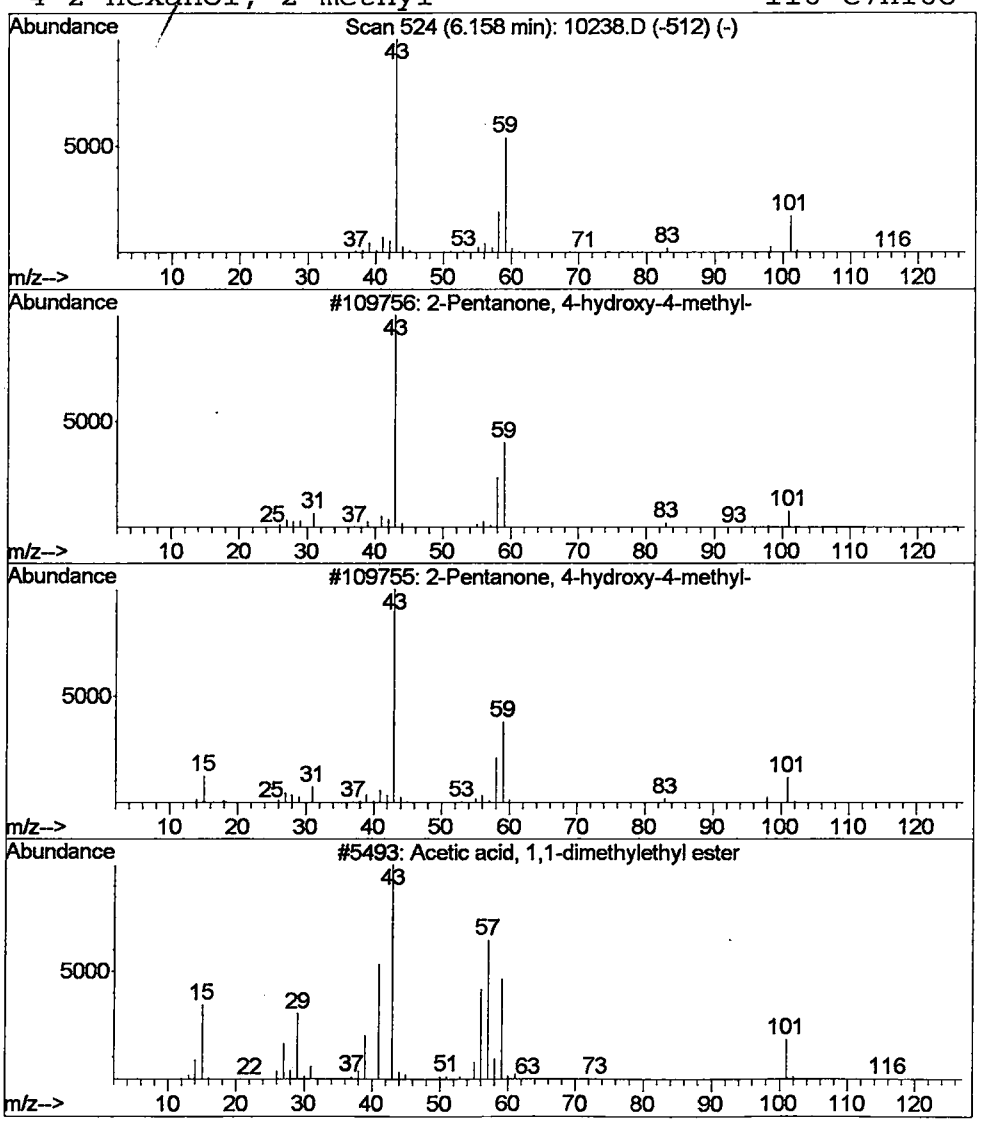
Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

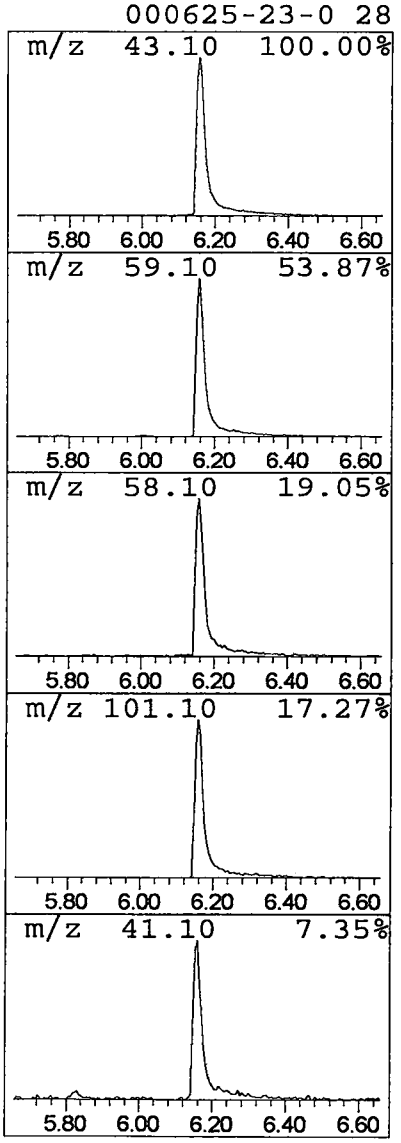
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	14.78 ug/l	1544530	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	45
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020509\10238.D Vial: 16
Acq On : 10 May 2002 1:27 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

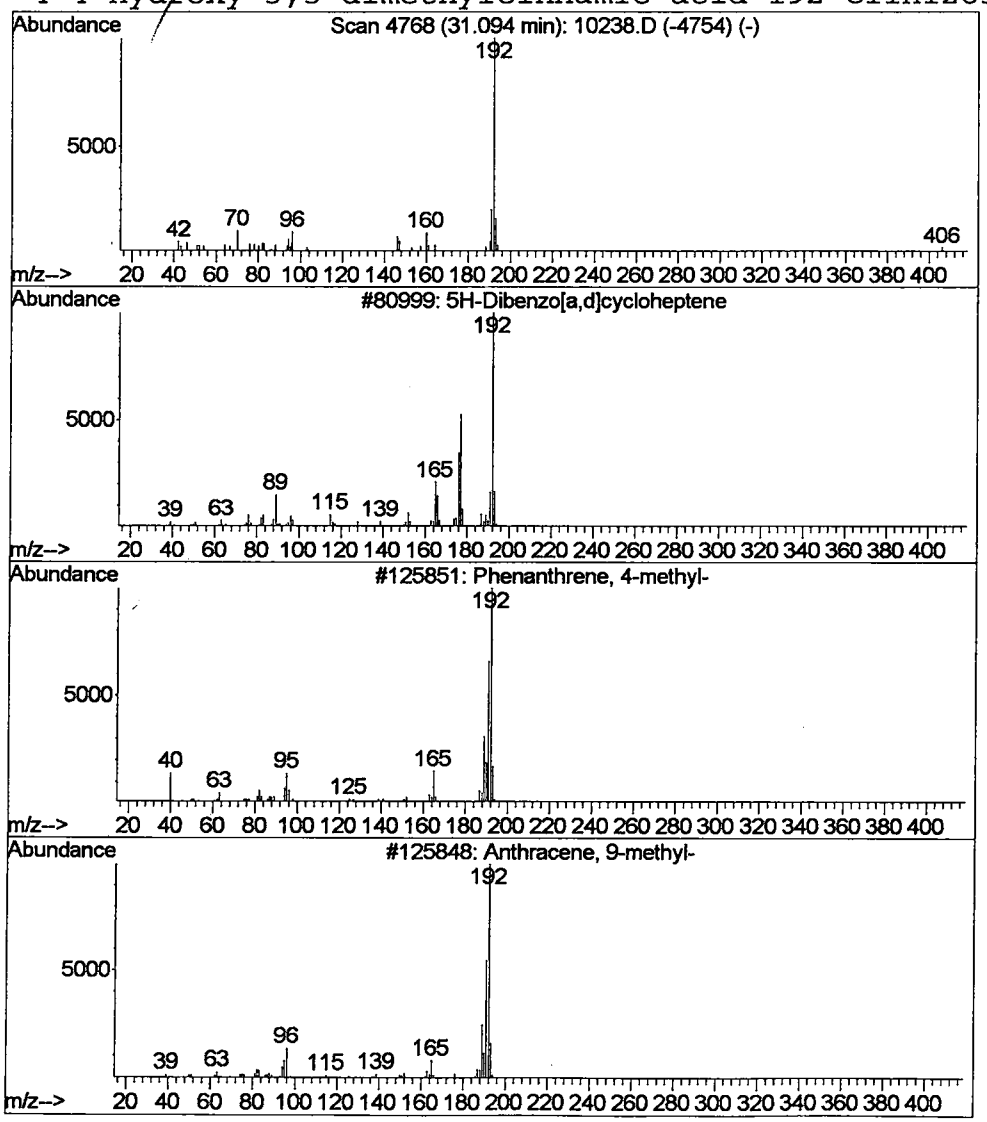
Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

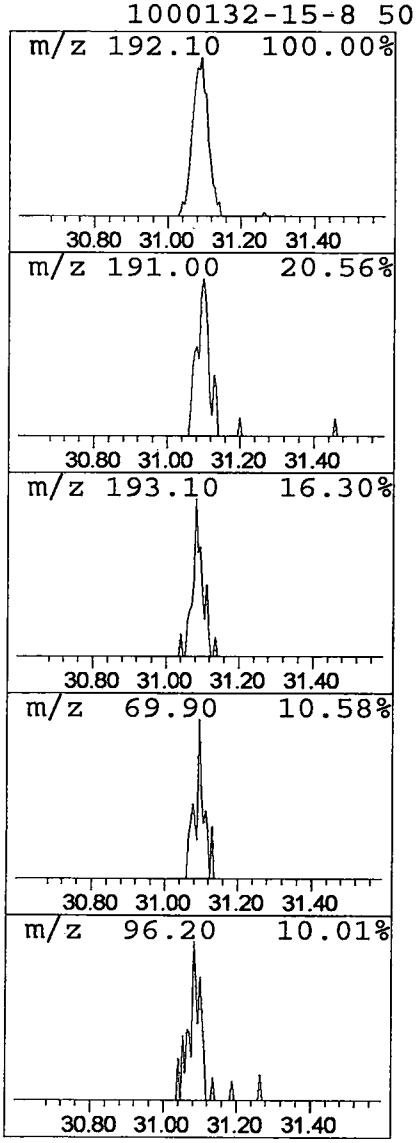
****

Peak Number 2 5H-Dibenzo[a,d]cycloheptene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.09	0.36 ug/l	53739	Phenanthrene-d10	31.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	59
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	53
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	53
4	4-Hydroxy-3,5-dimethylcinnamic acid	192	C11H12O3	1000132-15-8	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020509\10238.D Vial: 16
Acq On : 10 May 2002 1:27 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

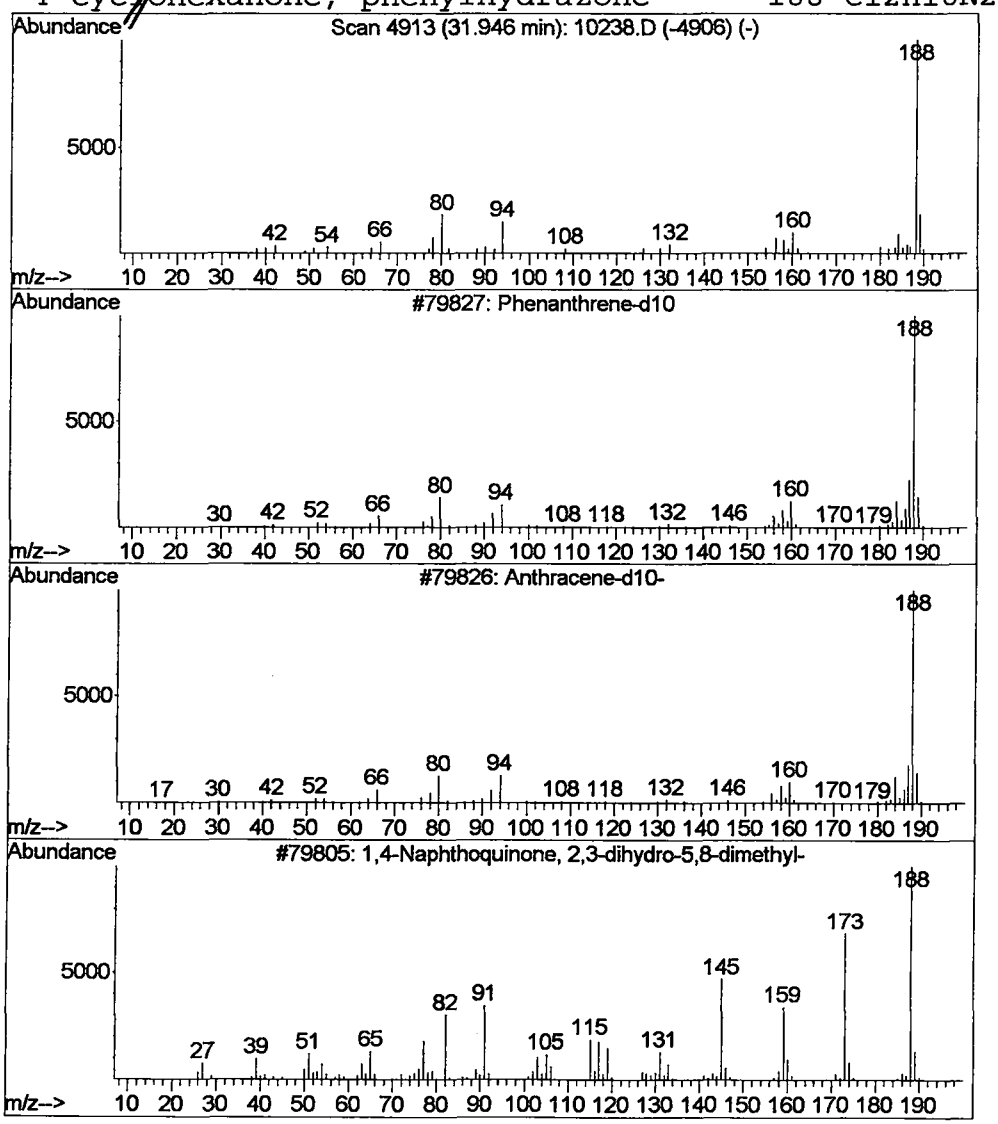
Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

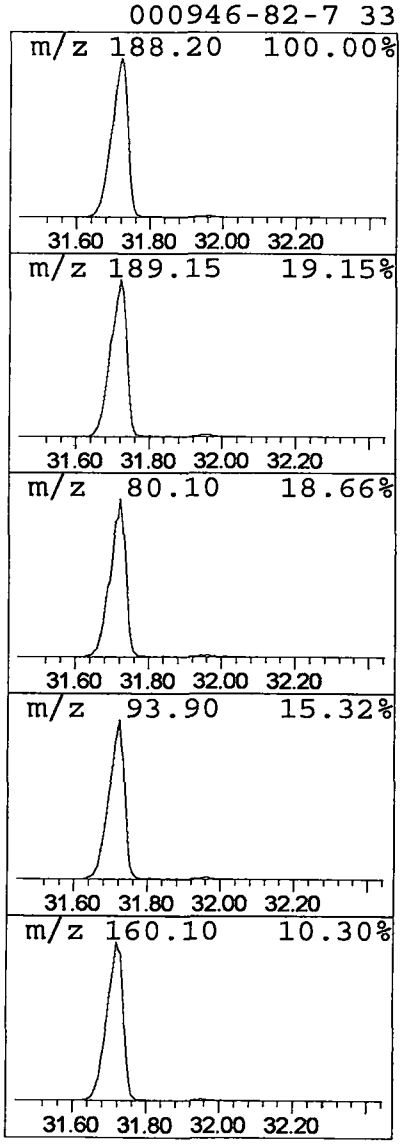
****

Peak Number 3 Phenanthrene-d10 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.95	0.36 ug/l	52890	Phenanthrene-d10	31.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	87
2	Anthracene-d10-	188	C14D10	001719-06-8	72
3	1,4-Naphthoquinone, 2,3-dihydro-...	188	C12H12O2	1000157-22-3	40
4	Cyclohexanone, phenylhydrazone	188	C12H16N2	000946-82-7	33





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020509\10238.D Vial: 16
Acq On : 10 May 2002 1:27 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: rteint.e

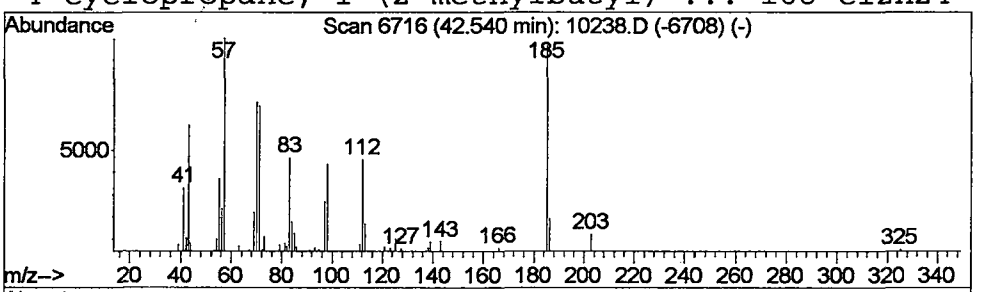
Quant Method : C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

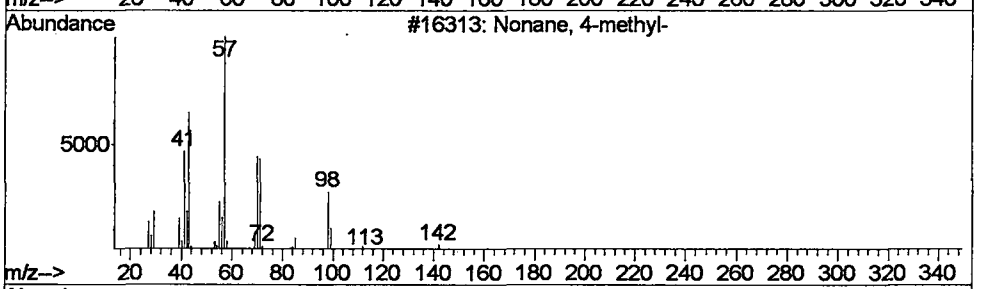
****

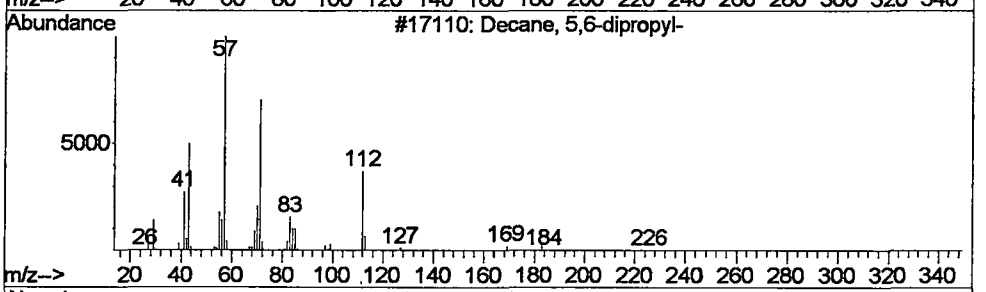
Peak Number 4 Nonane, 4-methyl- Concentration Rank 2

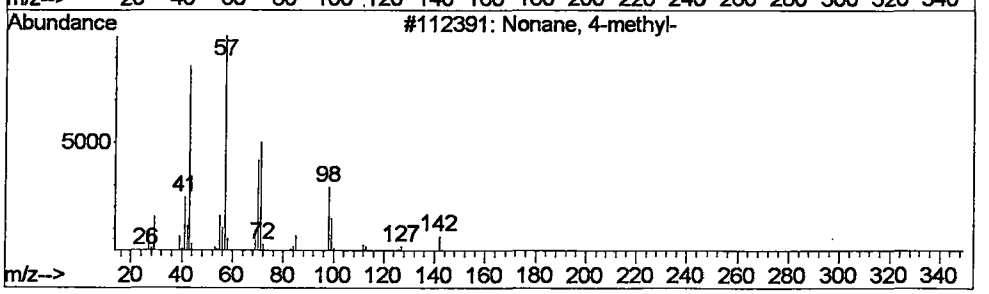
R.T.	EstConc	Area	Relative to ISTD	R.T.
42.54	0.94 ug/l	88895	Perylene-d12	43.16

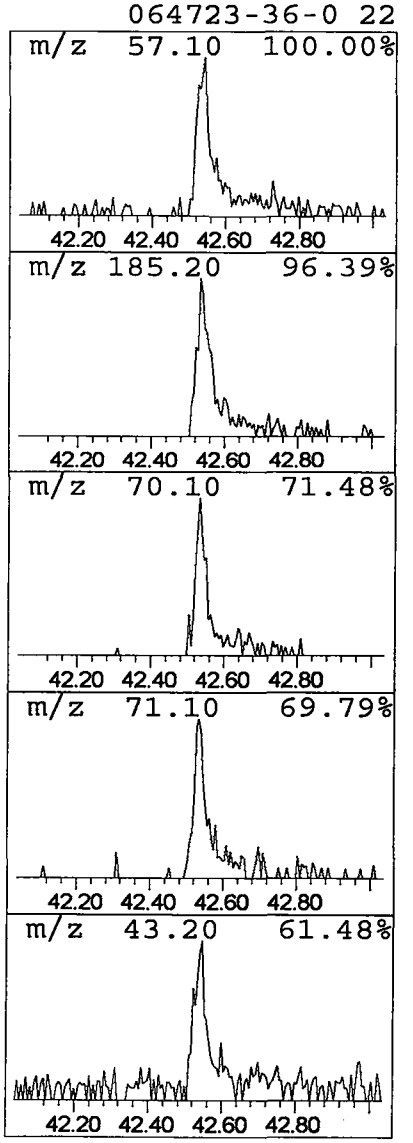
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	22
2	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	22
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	22
4	Cyclopropane, 1-(2-methylbutyl)-...	168	C12H24	064723-36-0	22











Tentatively Identified Compound (TIC) Summary

Operator ID: Nefliu Date Acquired: 10 May 2002 1:27 am
Data File: C:\MSDCHEM\1\DATA\020509\10238.D
Name: sample
Misc:
Method: C:\MSDCHEM\1\METHODS\SCAN020507.M (RTE Integrator)
Title: Method 508 GC/MS Scan
Library Searched: C:\DATABASE\nist98.l

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
2-Pentanone, 4-hy...	6.16	14.8	ug/l	1544530	1	11.38	4179740	40.0
5H-Dibenzo[a,d]cy...	31.09	0.4	ug/l	53739	4	31.72	5927780	40.0
Phenanthrene-d10	31.95	0.4	ug/l	52890	4	31.72	5927780	40.0
Nonane, 4-methyl-	42.54	0.9	ug/l	88895	6	43.16	3777600	40.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020509\10238.D Vial: 16
Acq On : 10 May 2002 1:27 am Operator: Nefliu
Sample : sample Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: lscint.e
Quant Time: May 10 08:21:15 2002 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	603222	40.00	ug/l	-0.01
10) Naphthalene-d8	16.54	136	2302883	40.00	ug/l	-0.03
17) Acenaphthene-d10	24.47	164	1229735	40.00	ug/l	-0.01
30) Phenanthrene-d10	31.72	188	2108260	40.00	ug/l	-0.02
38) Chrysene-d12	39.94	240	1685042	40.00	ug/l	-0.05
44) Perylene-d12	43.16	264	1076108	40.00	ug/l	-0.02
System Monitoring Compounds						
27) TCMX	27.53	207	73966	7.53	ug/l	-0.04
Spiked Amount 10.000			Recovery = 75.30%			
Target Compounds						Qvalue
39) Pyrene	36.68	202	66	0.00	ug/l #	58
43) Bis(2-ethylhexyl)phthalate	40.52	149	13062	0.36	ug/l	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed