User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/21/2002 Time: 12:02:10

Sample: AE10899
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/21/02 12:01 Ended: 5/21/02 12:01 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		89		10.0

Comments for Sample AE10899 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-21-2002 Time: 12:02:34

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 3 of the 43 compounds in the LCS Standard were low.

Data File : C:\MSDCHEM\1\DATA\051602\10899.D Vial: 12
Acq On : 16 May 2002 11:30 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 09:45:28 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	5454033	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	21674534	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11829117	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	17554126	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	13879494	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	9477398	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	2557988	35.62	ug/L	0.00
Spiked Amount 40.000			Recovery = 89.05%			
Target Compounds						Qvalue
2) n-nitros-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-Chloropropane	0.00	45	0	N.D.		
8) N-nitroso-di-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) Napthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) 2-Chloronaphthalene	0.00	162	0	N.D.		
19) Dimethylphthalate	0.00	163	0	N.D.		
20) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
21) Acenapthylene	0.00	152	0	N.D.		
22) Acenapthalene	0.00	153	0	N.D.		
23) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
24) Diethylphthalate	0.00	149	0	N.D.		
25) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.54	77	43594	N.D.		
30) Nnitrosodiphenylamine	20.55	169	49332	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	25.09	149	55994	N.D.		

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

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Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Fluoroanthene	26.54	202	17573	N.D.	
38) Pyrene	0.00	202	0	N.D.	
39) Butylbenzylphthalate	0.00	149	0	N.D.	
40) Benzo(a)anthracene	30.80	228	37080	N.D.	
41) Bis(2-ethylhexyl)phthalate	31.38	149	621072	1.81 ug/L #	84
42) Chrysene	0.00	228	0	N.D.	
44) Di-n-octylphthalate	0.00	149	0	N.D.	
45) Benzo(b)fluoranthene	0.00	252	0	N.D.	
46) Benzo(k)fluoranthene	0.00	252	0	N.D.	
47) Benzo(a)pyrene	0.00	252	0	N.D.	
48) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
49) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
50) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

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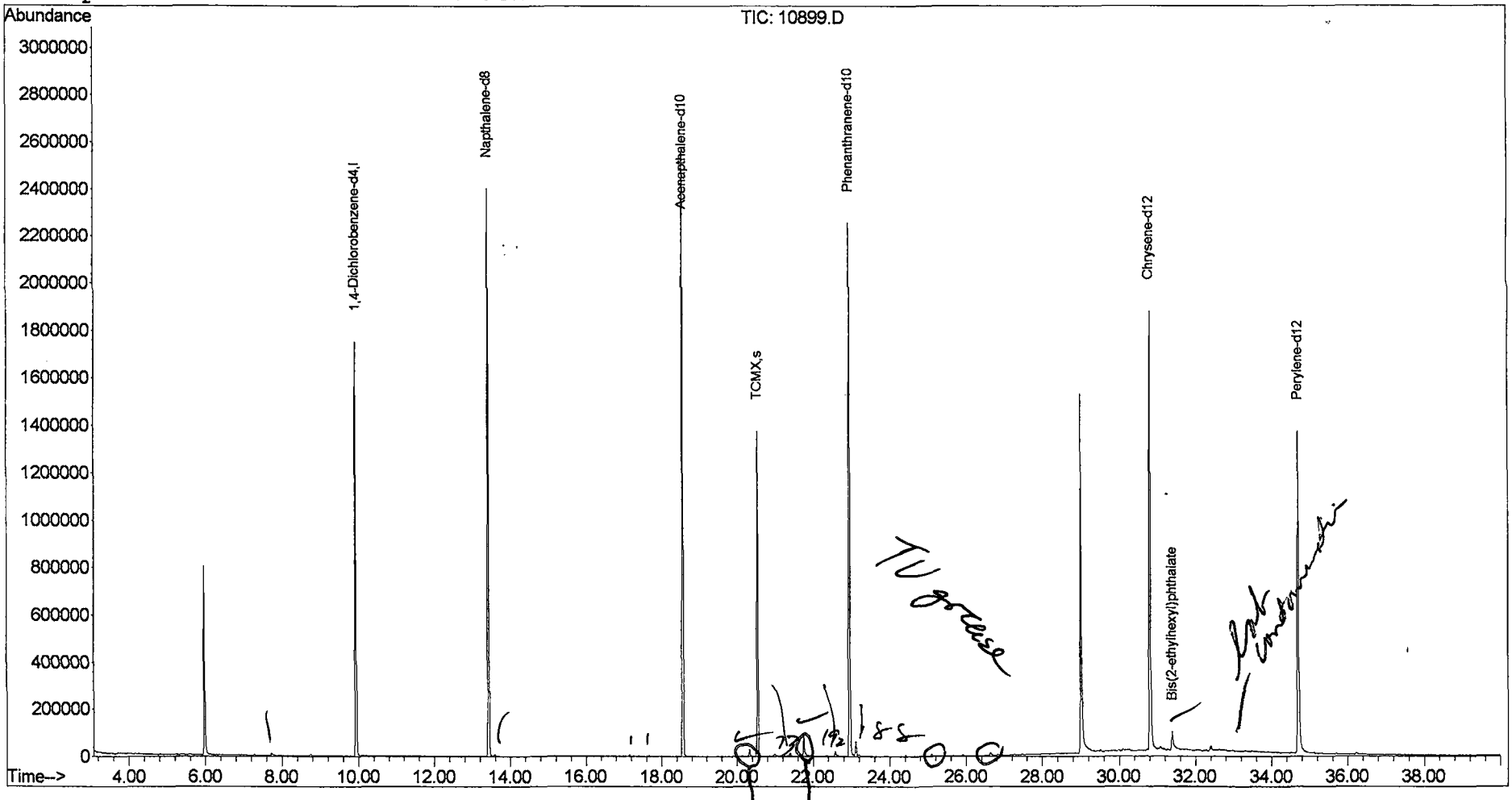
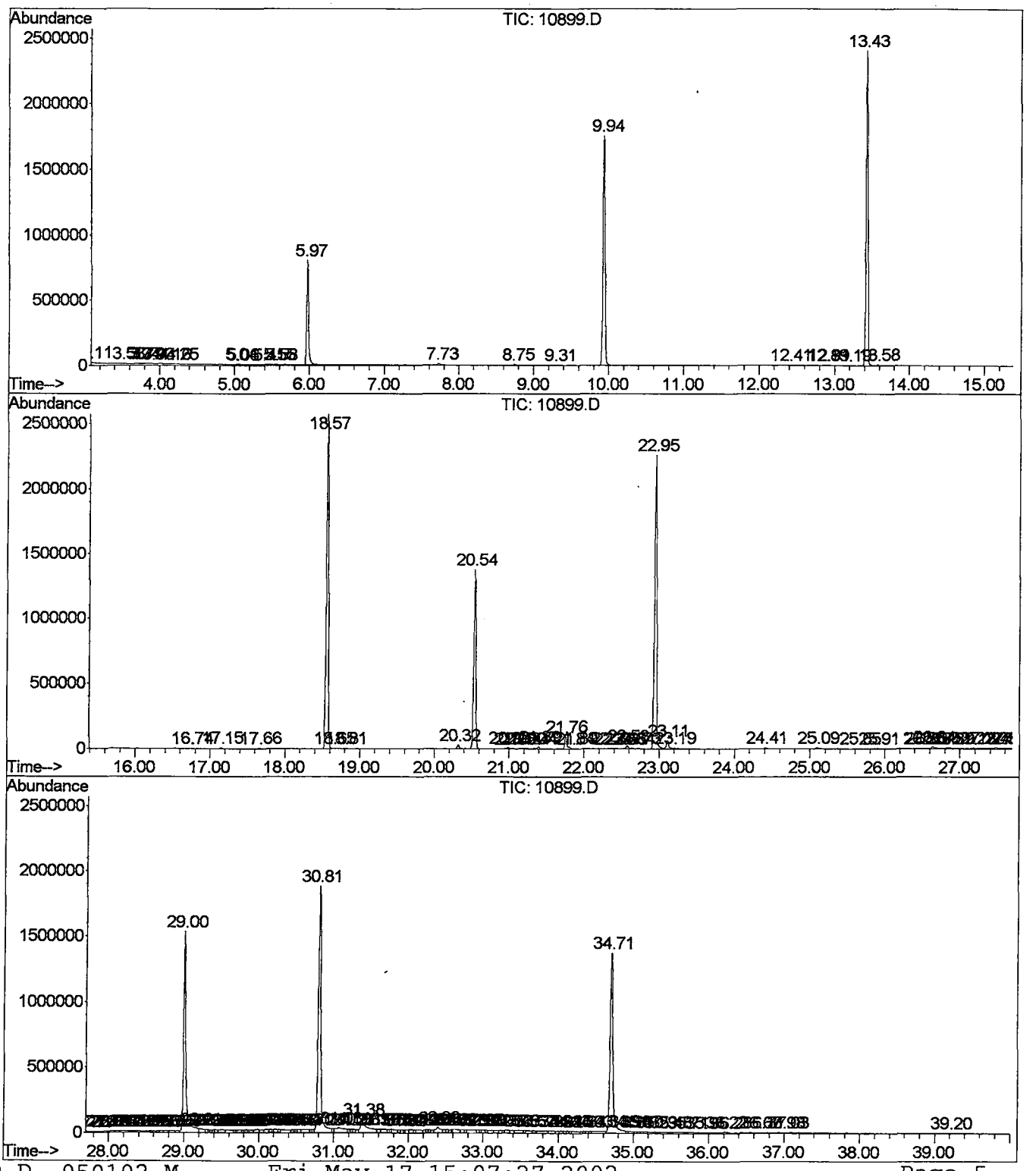
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051602\10899.D
Operator : Mclean
Acquired : 16 May 2002 11:30 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/10 eh
Misc Info :
Vial Number: 12
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051602\10899.D Vial: 12
Acq On : 16 May 2002 11:30 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

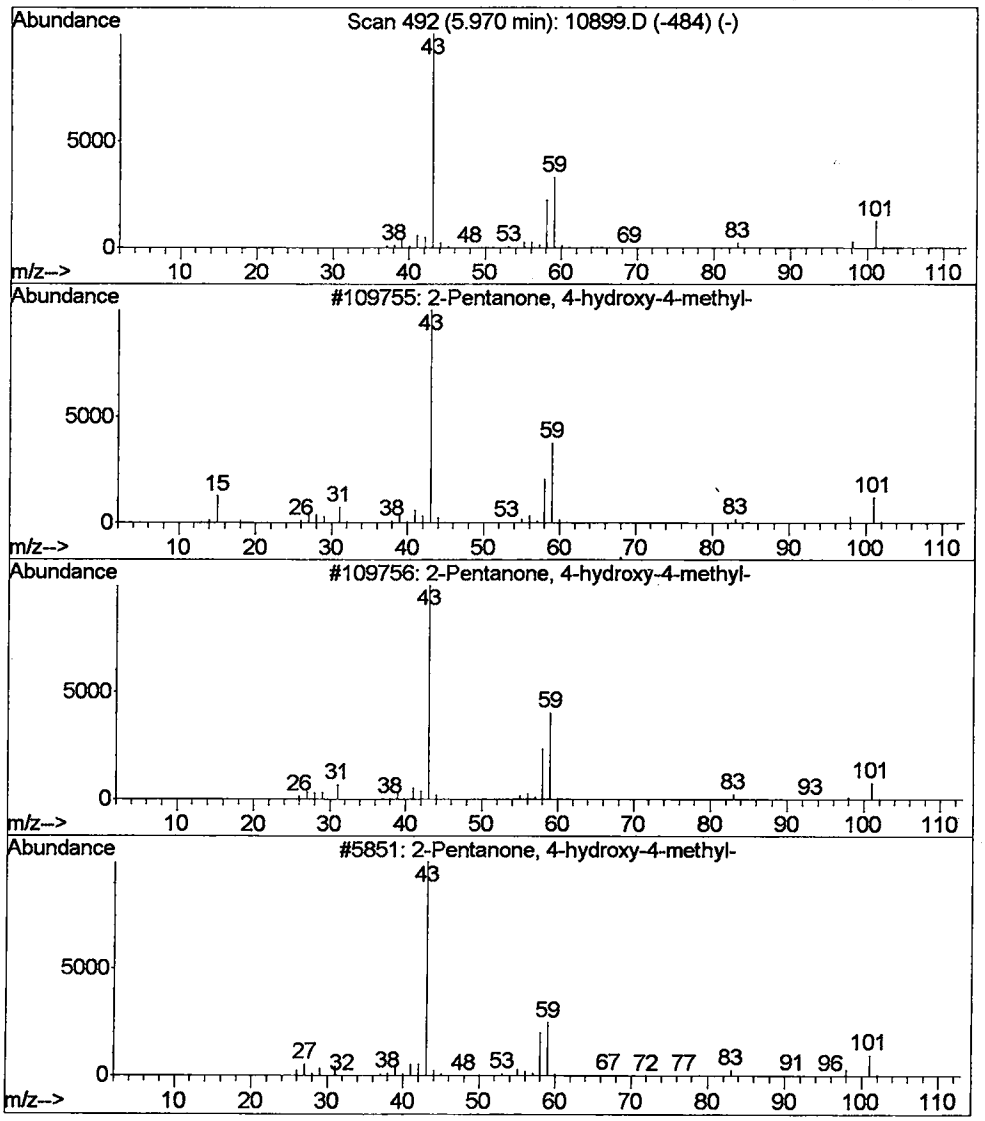
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

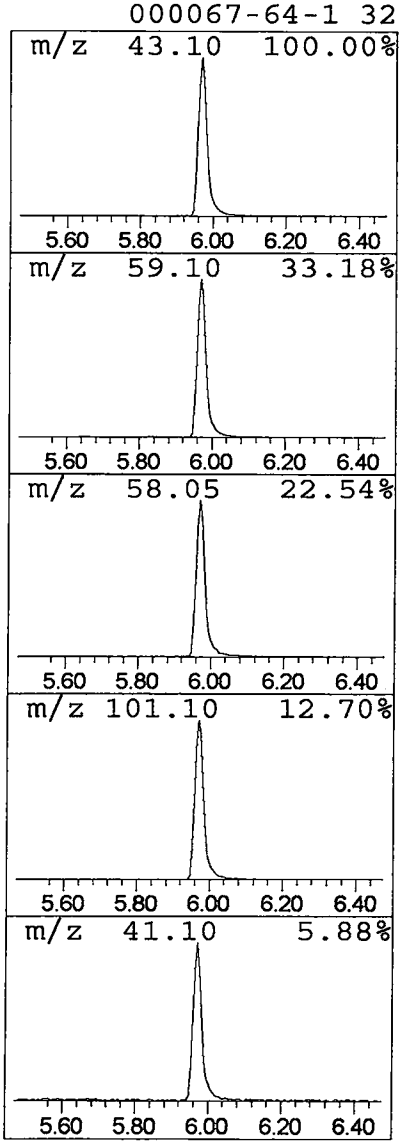
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	16.69 ug/L	13696200	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	90
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
4	Acetone	58	C3H6O	000067-64-1	32





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Acq On : 16 May 2002 11:30 pm Operator: Mclean
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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
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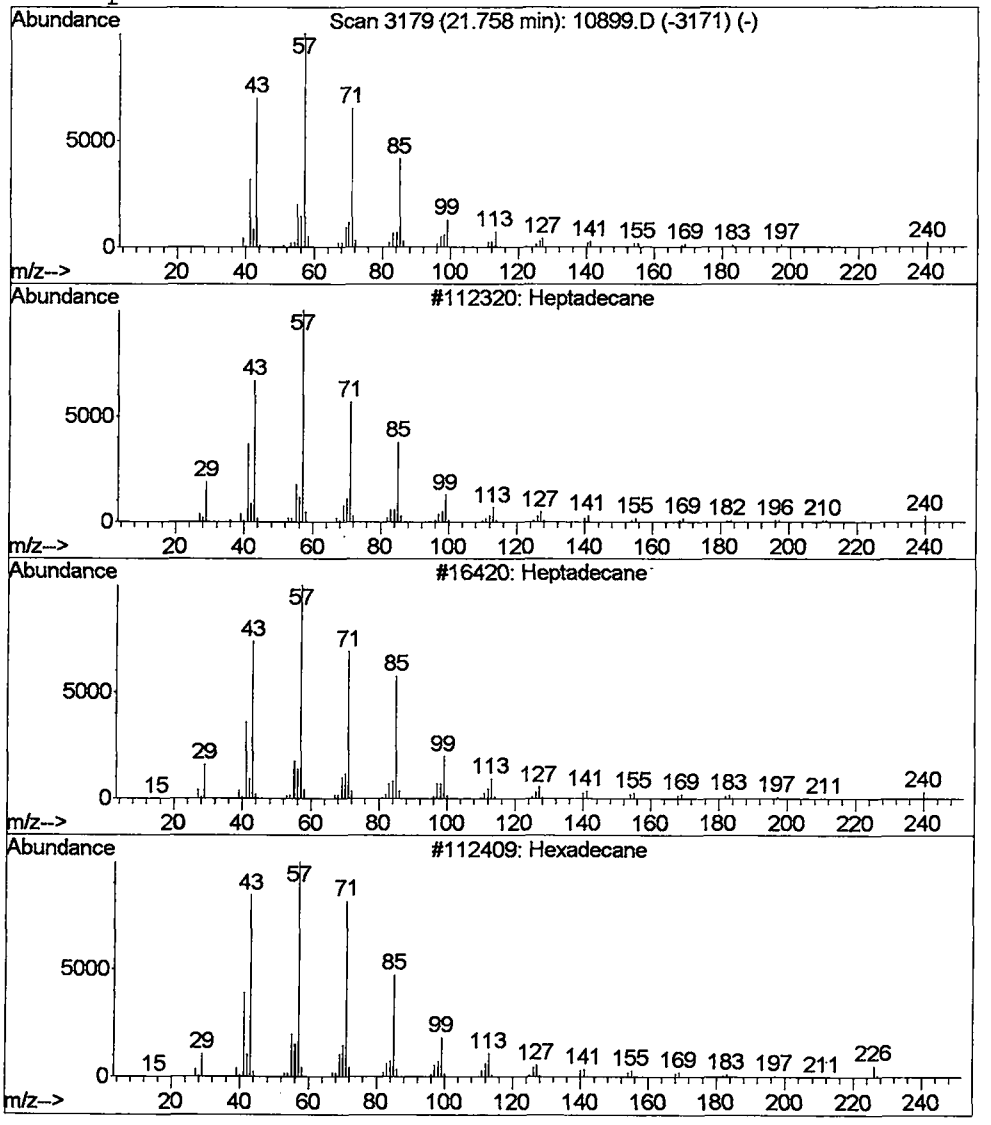
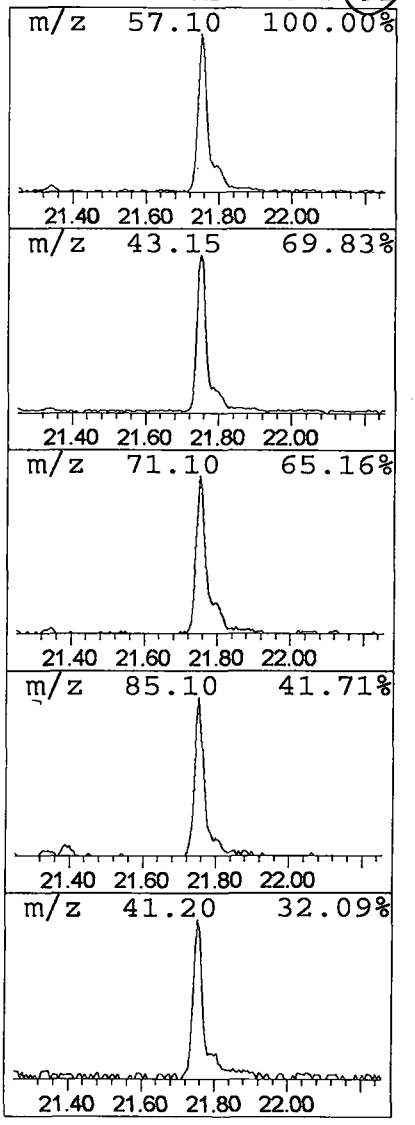
Peak Number 2 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	1.59 ug/L	1908170	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Heptadecane	240	C17H36	000629-78-7	96
3	Hexadecane	226	C16H34	000544-76-3	91
4	Heptadecane	240	C17H36	000629-78-7	91





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Acq On : 16 May 2002 11:30 pm Operator: Mclean
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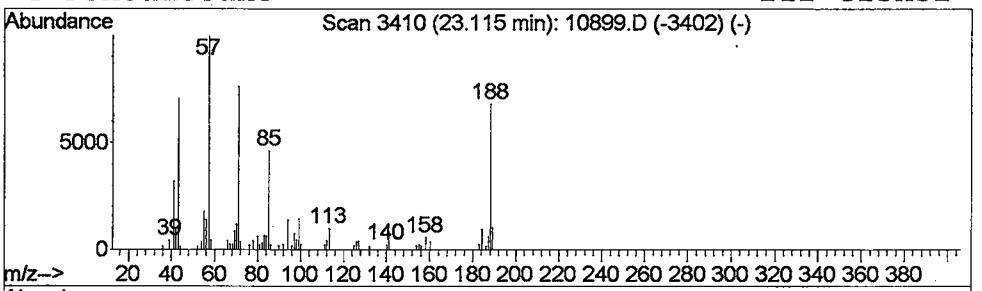
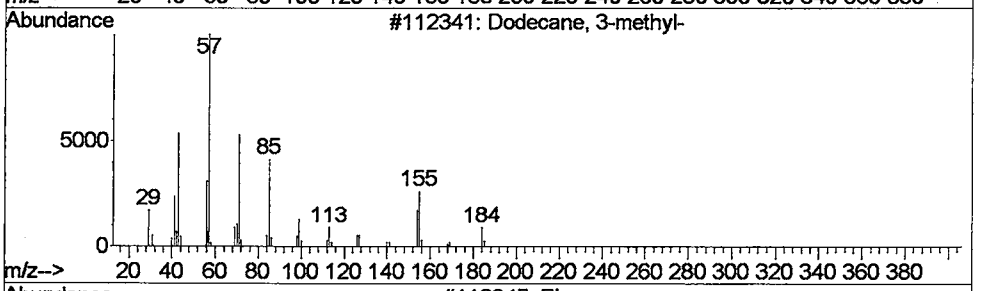
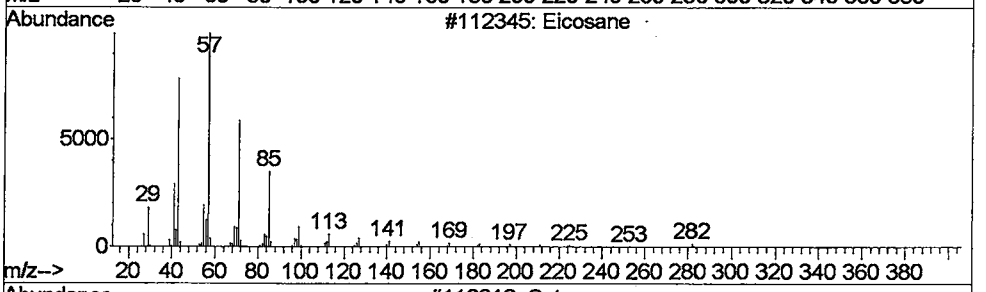
Peak Number 3 Dodecane, 3-methyl- Concentration Rank 10

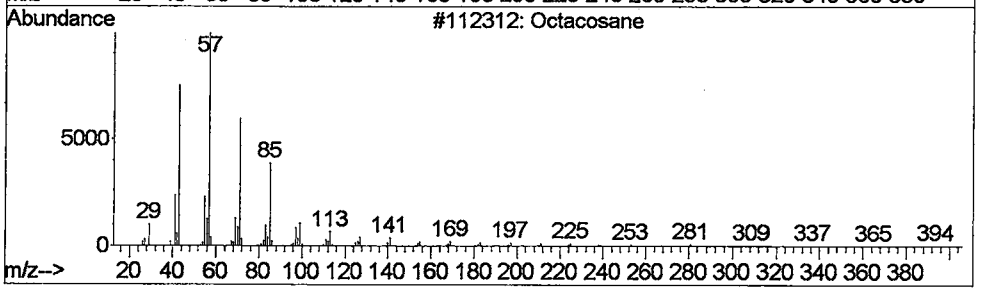
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	1.17 ug/L	1409330	Phenanthranene-d10	22.95

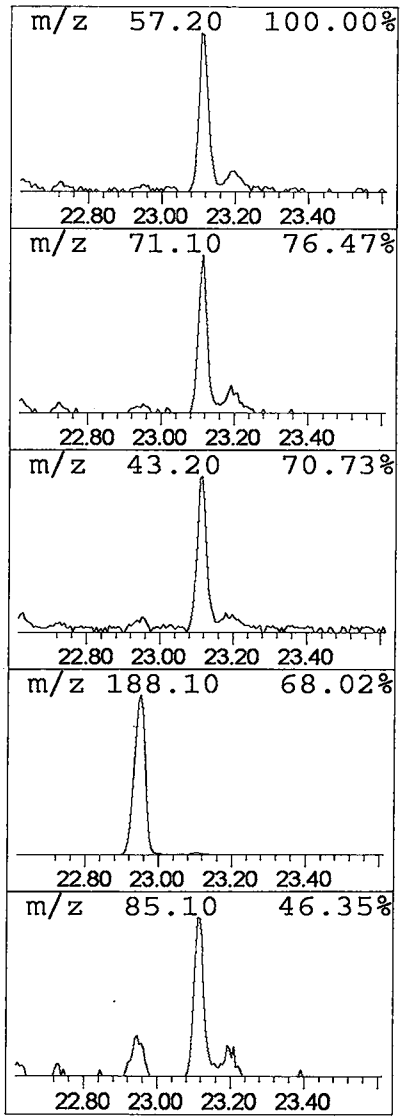
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	70
2	Eicosane	282	C20H42	000112-95-8	58
3	Octacosane	394	C28H58	000630-02-4	58
4	Pentadecane	212	C15H32	000629-62-9	58











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Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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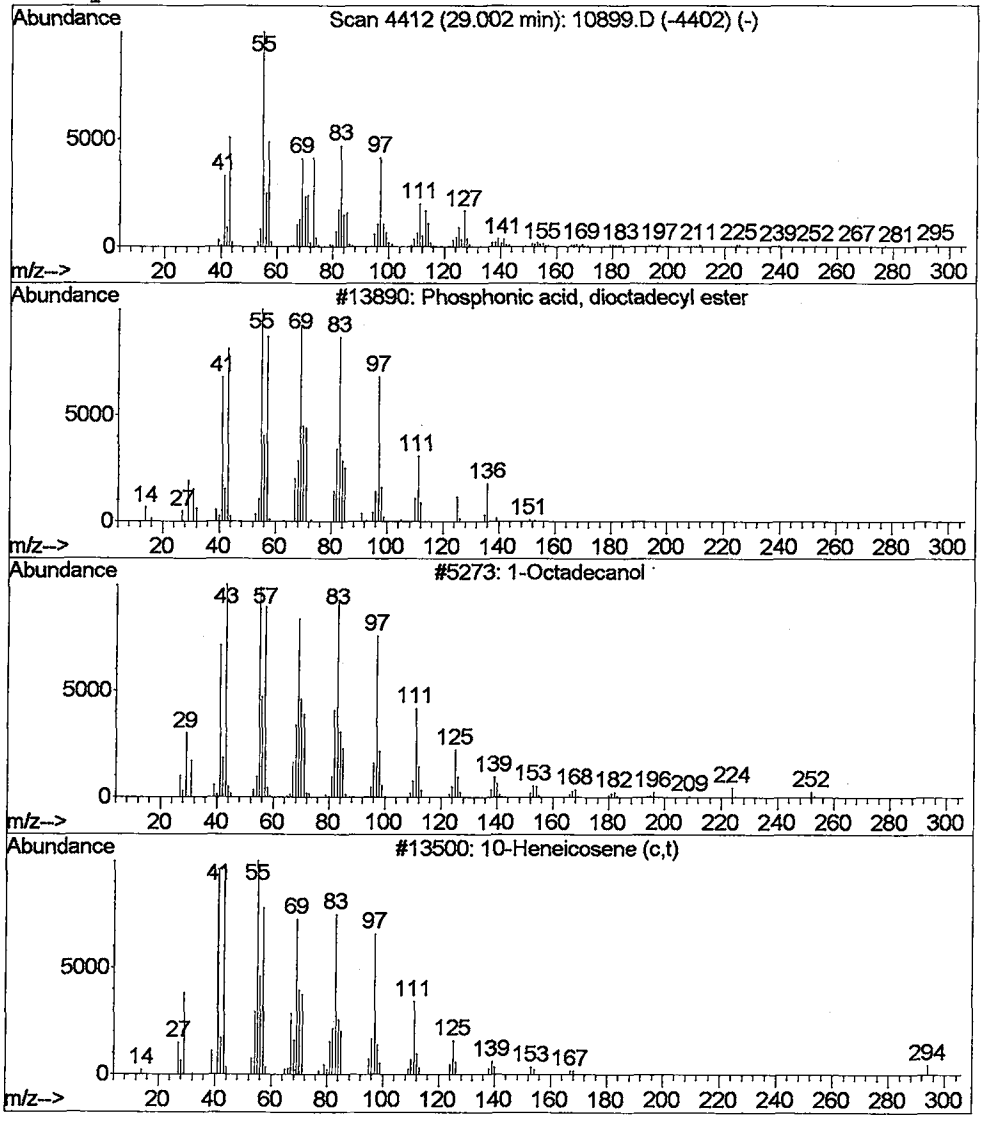
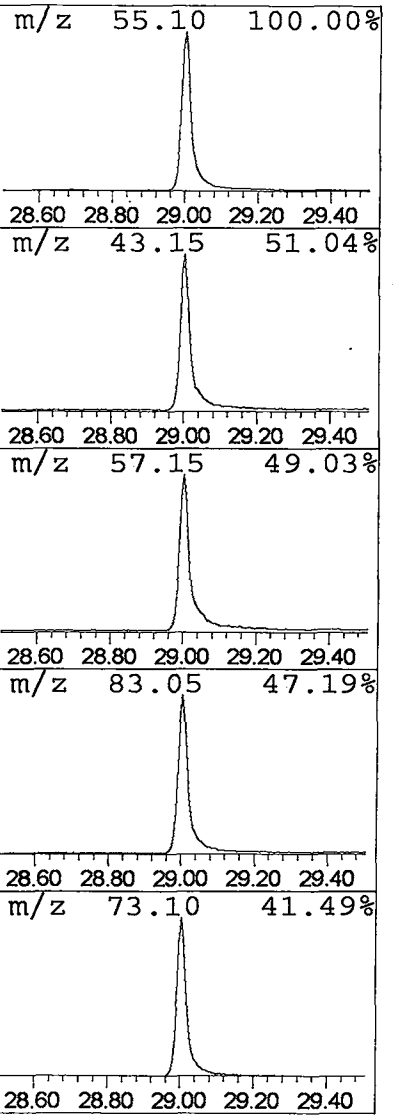
Peak Number 4 Phosphonic acid, dioctadecy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.00	28.78 ug/L	33864900	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphonic acid, dioctadecyl ester	587	C36H75O3P	019047-85-9	93
2	1-Octadecanol	270	C18H38O	000112-92-5	81
3	10-Heneicosene (c,t)	294	C21H42	095008-11-0	74
4	Cycloeicosane	280	C20H40	000296-56-0	74





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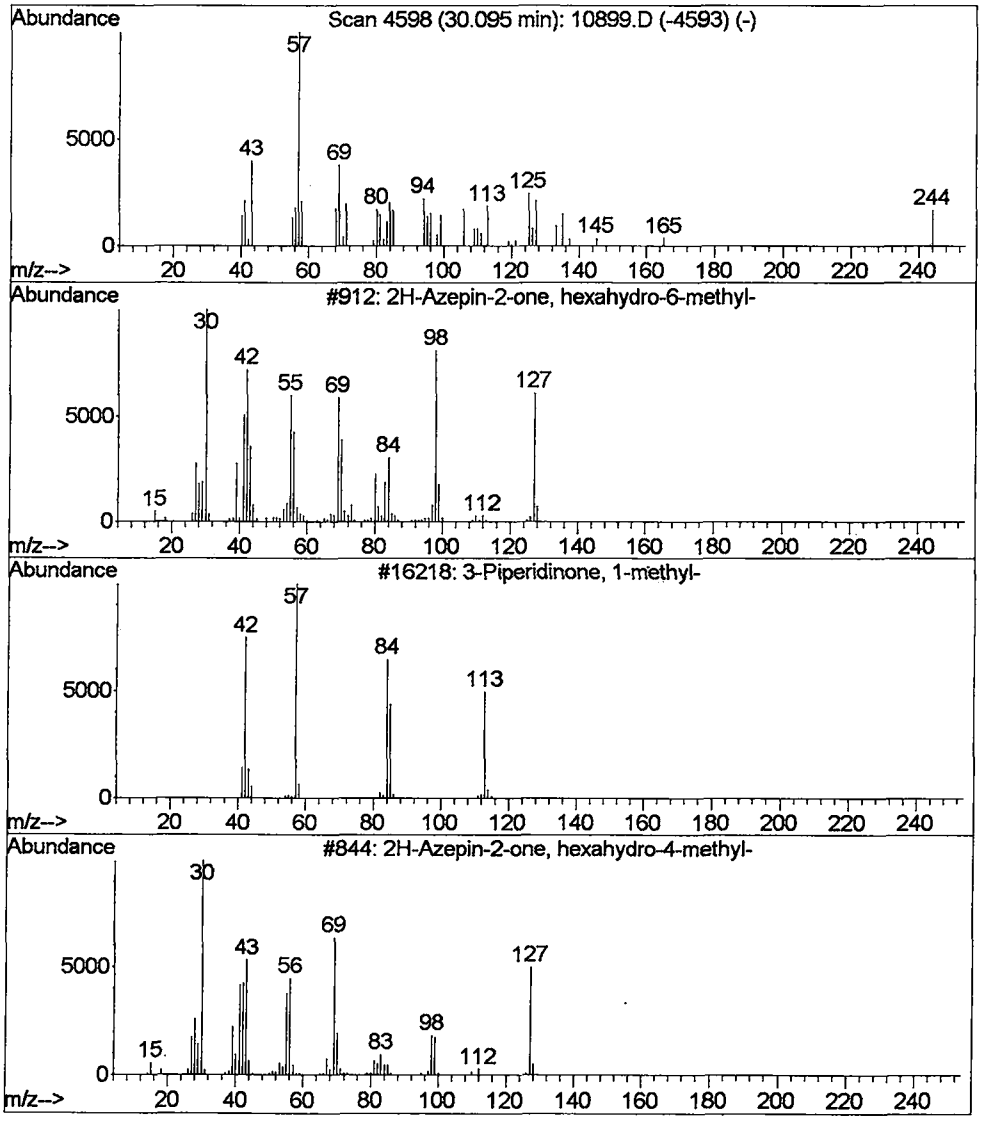
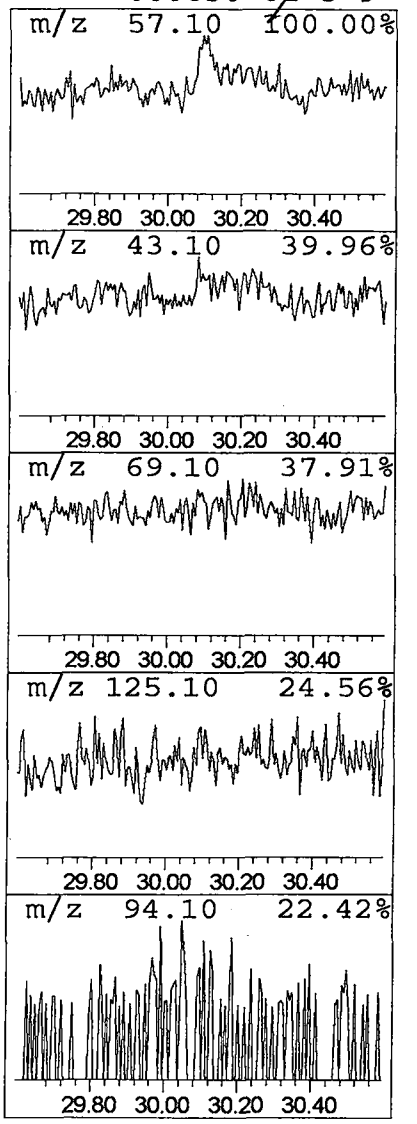
Peak Number 8 2H-Azepin-2-one, hexahydro-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.10	0.90 ug/L	1059660	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Azepin-2-one, hexahydro-6-met...	127	C7H13NO	006142-55-8	9
2	3-Piperidinone, 1-methyl-	113	C6H11NO	005519-50-6	9
3	2H-Azepin-2-one, hexahydro-4-met...	127	C7H13NO	003623-05-0	9
4	Hexacosane	366	C26H54	000630-01-3	9





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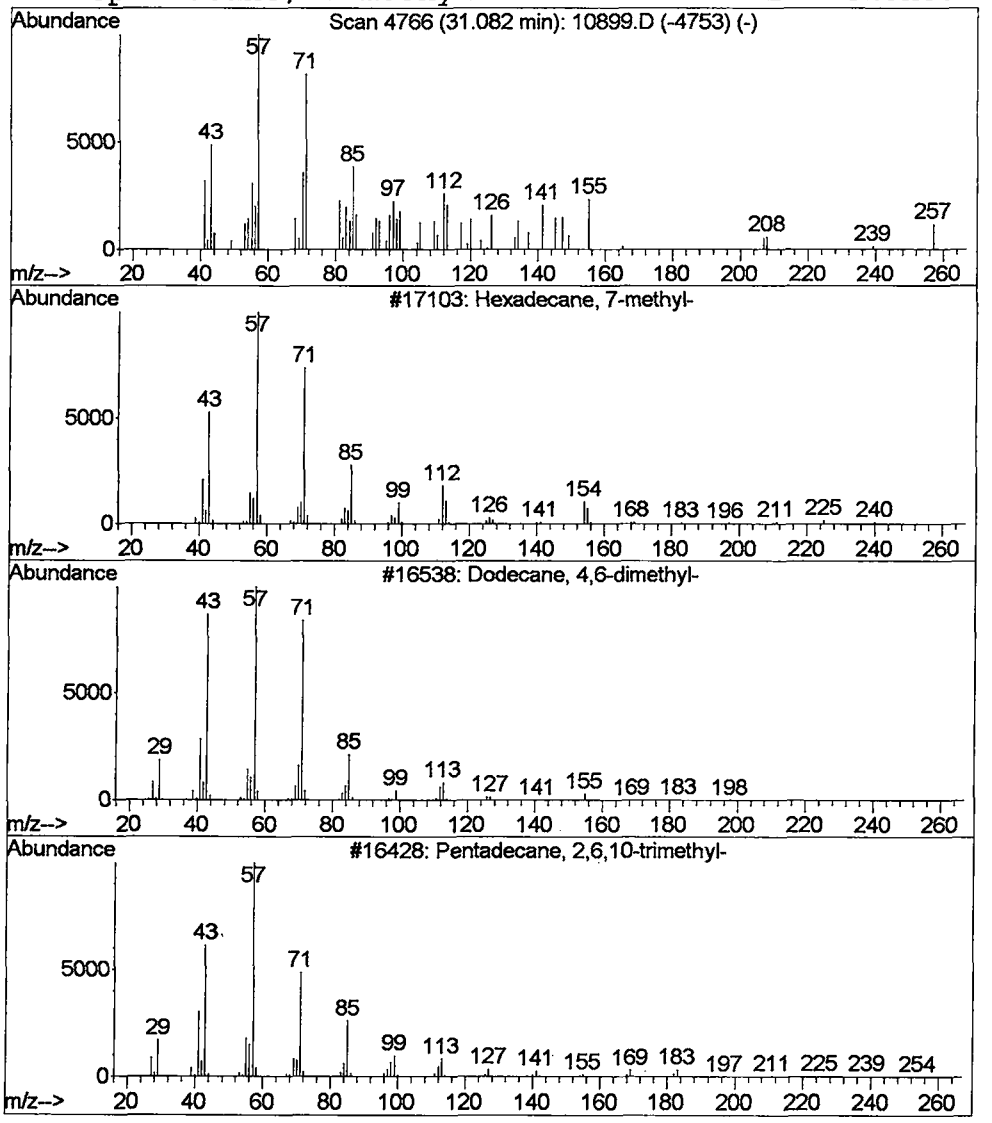
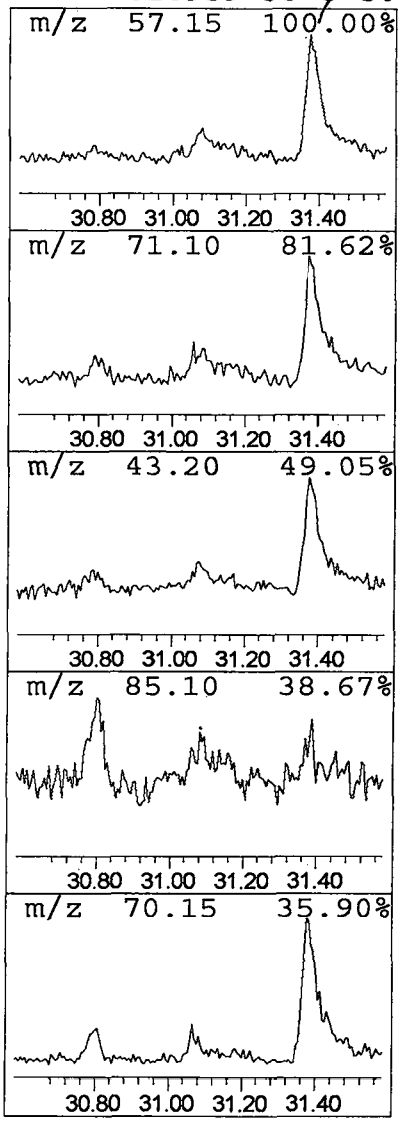
Peak Number 10 Hexadecane, 7-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.08	2.74 ug/L	3225330	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	53
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	50
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	50
4	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	50





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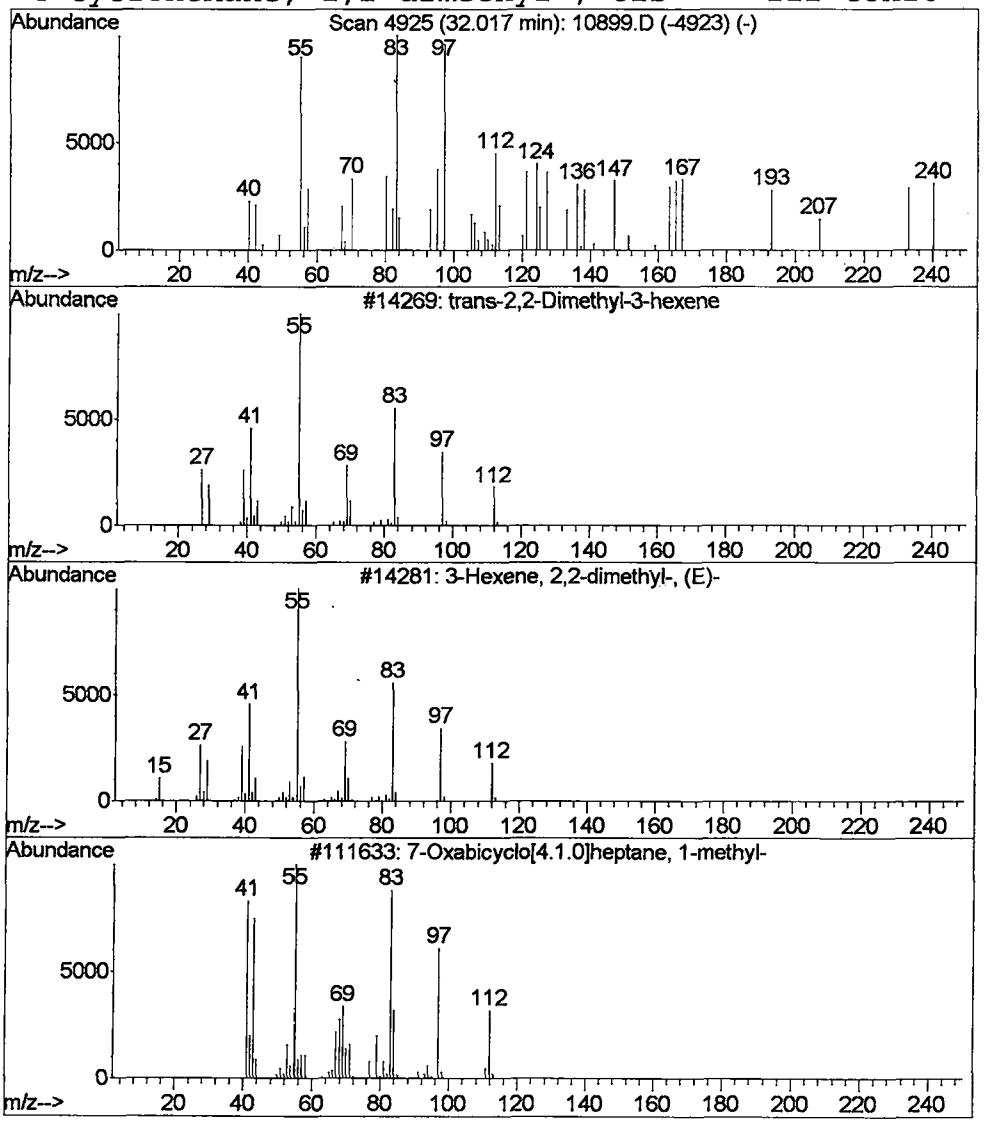
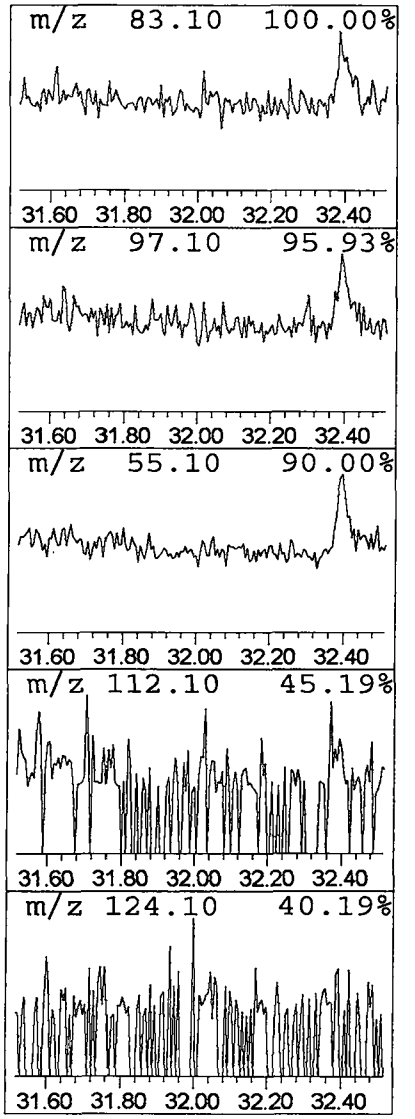
Peak Number 13 trans-2,2-Dimethyl-3-hexene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.02	0.84 ug/L	989061	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,2-Dimethyl-3-hexene	112	C8H16	003123-93-1	43
2	3-Hexene, 2,2-dimethyl-, (E)-	112	C8H16	000690-93-7	43
3	7-Oxabicyclo[4.1.0]heptane, 1-me...	112	C7H12O	001713-33-3	43
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	35





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Misc : Multiplr: 1.00
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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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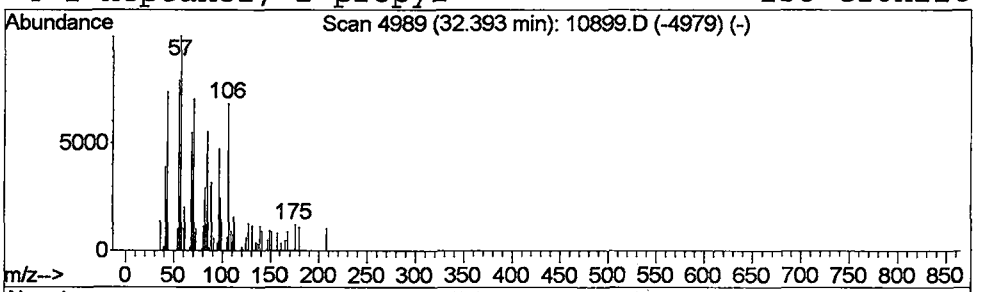
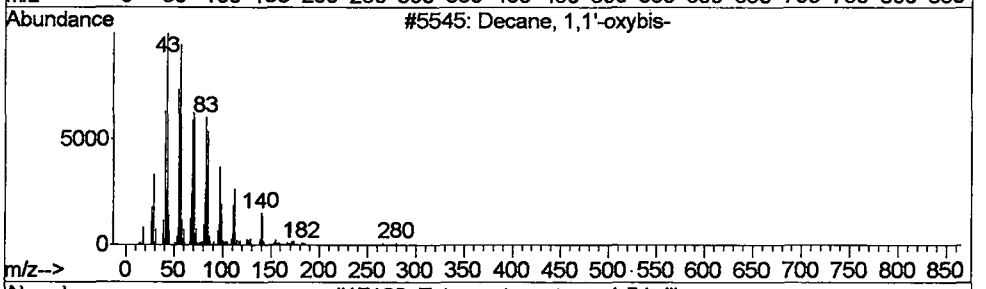
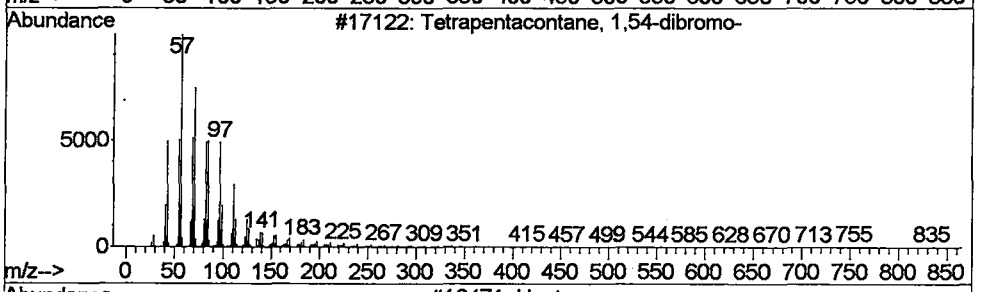
Peak Number 15 Decane, 1,1'-oxybis- Concentration Rank 4

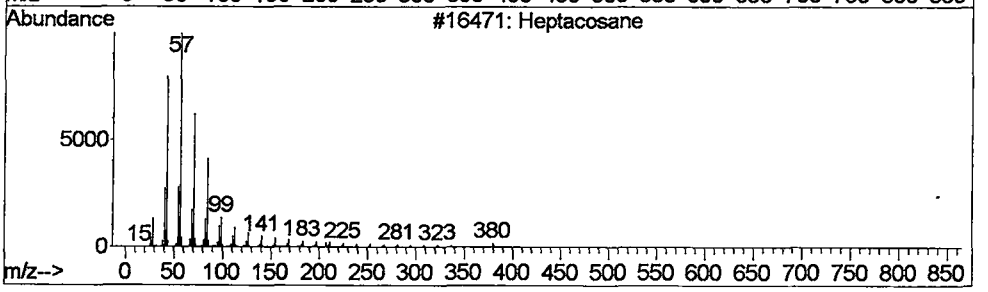
R.T.	EstConc	Area	Relative to ISTD	R.T.
32.39	1.74 ug/L	2050780	Chrysene-d12	30.81

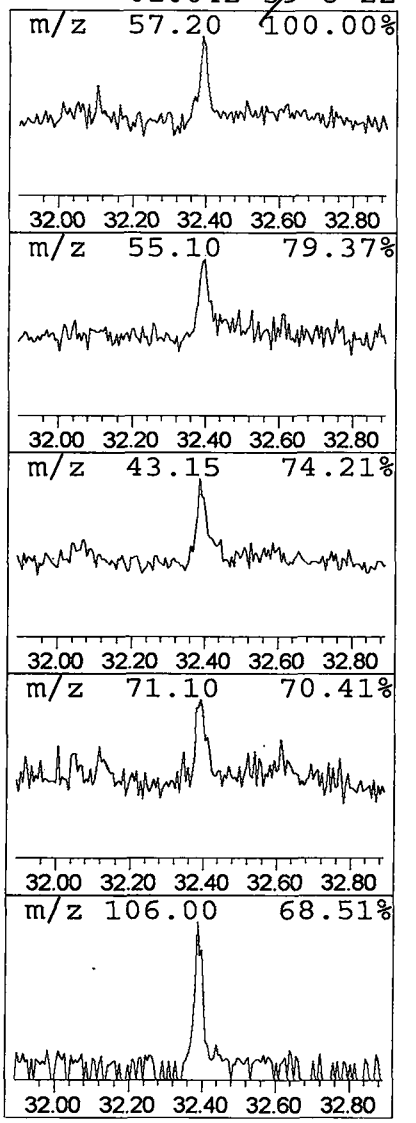
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	38
2	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	35
3	Heptacosane	380	C27H56	000593-49-7	22
4	1-Heptanol, 2-propyl-	158	C10H22O	010042-59-8	22











Operator ID: Mclean Date Acquired: 16 May 2002 11:30 pm
Data File: C:\MSDCHEM\1\DATA\051602\10899.D
Name: 5/10 eh
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Pentanone, 4-hy...	5.97	16.7	ug/L	13696200	1	9.94	32816400	40.0
Heptadecane	21.76	1.6	ug/L	1908170	4	22.95	48134500	40.0
Dodecane, 3-methyl-	23.11	1.2	ug/L	1409330	4	22.95	48134500	40.0
Phosphonic acid, ...	29.00	28.8	ug/L	33864900	5	30.81	47068000	40.0
2-Ethylprop-1-ene...	29.21	1.1	ug/L	1348620	5	30.81	47068000	40.0
Furo[2,3-c]pyridi...	29.50	1.1	ug/L	1331390	5	30.81	47068000	40.0
1-Pyrenecarboxald...	29.99	0.9	ug/L	1107010	5	30.81	47068000	40.0
2H-Azepin-2-one, ...	30.10	0.9	ug/L	1059660	5	30.81	47068000	40.0
1H-Imidazole-4,5-...	30.57	1.3	ug/L	1541440	5	30.81	47068000	40.0
Hexadecane, 7-met...	31.08	2.7	ug/L	3225330	5	30.81	47068000	40.0
3,6-Methanonaphth...	31.58	0.8	ug/L	891171	5	30.81	47068000	40.0
3-Cyclohexene-1-c...	31.65	1.2	ug/L	1392820	5	30.81	47068000	40.0
trans-2,2-Dimethy...	32.02	0.8	ug/L	989061	5	30.81	47068000	40.0
5-Methylhexane-2,...	32.11	1.1	ug/L	1313630	5	30.81	47068000	40.0
Decane, 1,1'-oxybis-	32.39	1.7	ug/L	2050780	5	30.81	47068000	40.0
3,4,4-Trimethyl-c...	32.62	1.3	ug/L	1495150	5	30.81	47068000	40.0
2(4H)-Benzofurano...	33.20	0.9	ug/L	838816	6	34.71	36947100	40.0
Butanedioic acid,...	33.32	0.9	ug/L	842963	6	34.71	36947100	40.0
1-(3-n-Propoxyphe...	33.46	1.6	ug/L	1444280	6	34.71	36947100	40.0
Bicyclo[3.1.1]hep...	33.89	1.0	ug/L	898109	6	34.71	36947100	40.0