User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 14:03:40

Sample: AE10817
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 14:03 Ended: 5/14/02 14:03 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 AE10817 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 14:03:45

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 2 of the 43 compounds in the LCS Standard were low.

Data File : C:\MSDCHEM\1\DATA\051302\10817.D Vial: 14
Acq On : 13 May 2002 10:06 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 14 11:43:11 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	6492543	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	25767766	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	13948446	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	20124472	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	14227070	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	9001548	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	3110222	36.73	ug/L	0.00
Spiked Amount 40.000			Recovery = 91.82%			
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	20.55	204	17459	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.55	77	55389	N.D.		
30) Nnitrosodiphenylamine	20.55	169	58750	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	0.00	149	0	N.D.		

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

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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

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	35810	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	29523	N.D.	
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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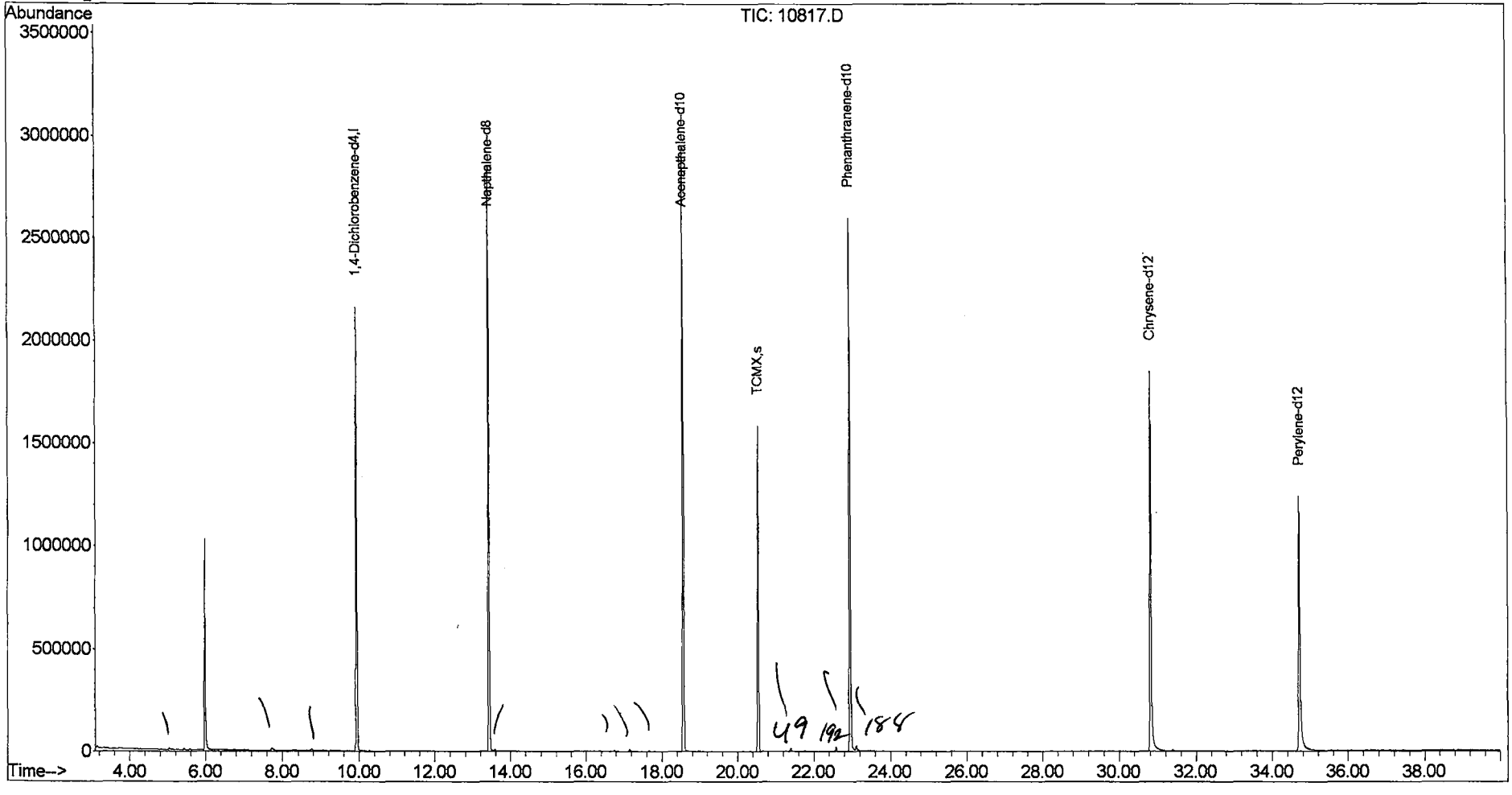
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\051302\10817.D Vial: 14
Acq On : 13 May 2002 10:06 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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

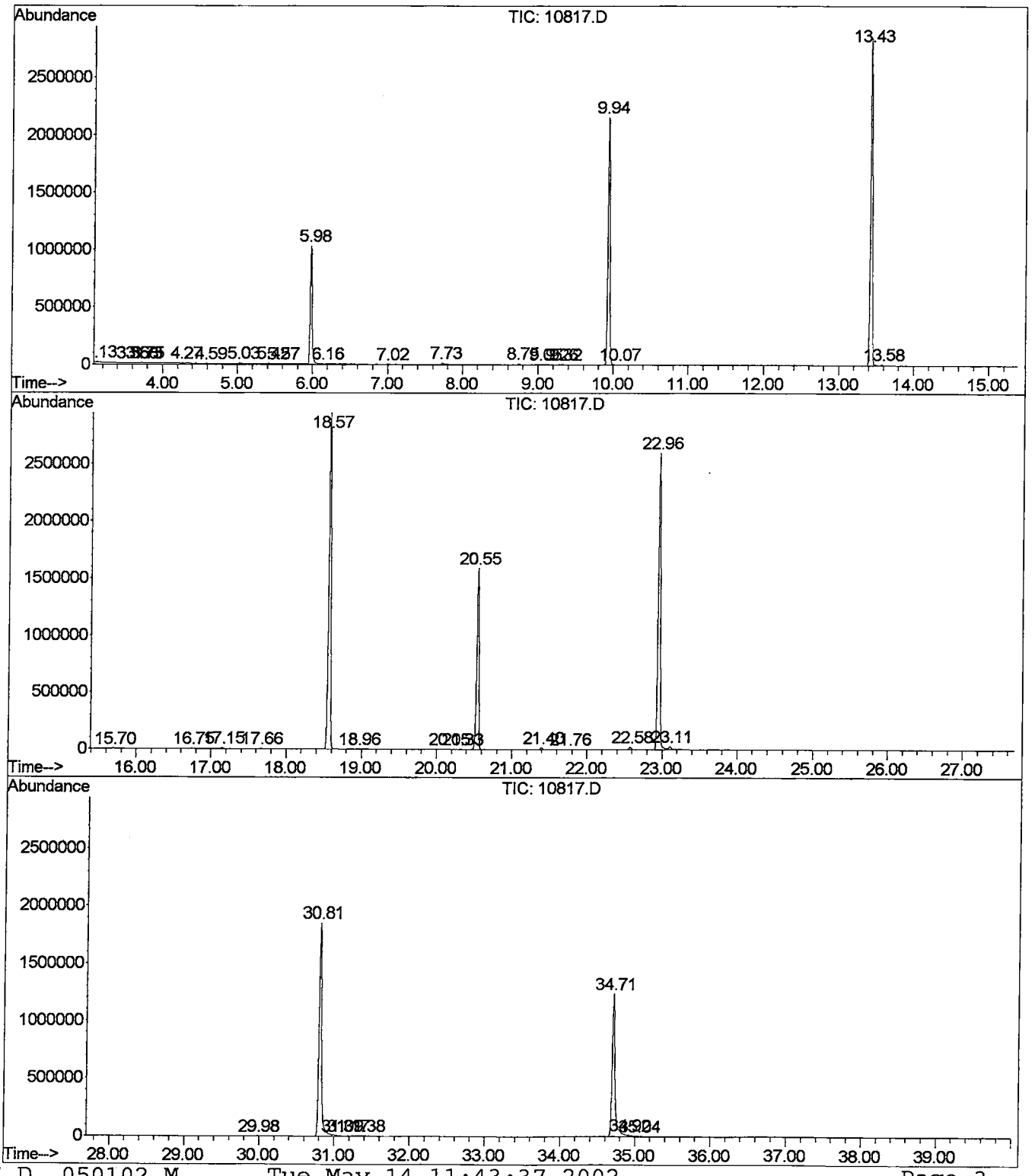
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.132	3	9	20	BV 3	4744	88986	0.16%	0.027%
2	3.549	77	80	86	PV 6	2941	49184	0.09%	0.015%
3	3.679	93	102	104	PV 7	1212	14831	0.03%	0.004%
4	3.726	104	110	113	VV 5	1866	45340	0.08%	0.014%
5	3.755	113	115	117	VV 3	1100	8287	0.01%	0.002%
6	4.272	197	203	208	PV 4	3460	56679	0.10%	0.017%
7	4.595	254	258	263	PV 4	1713	32693	0.06%	0.010%
8	5.036	328	333	345	PV 5	6772	187727	0.33%	0.056%
9	5.424	388	399	406	VV 3	5927	146401	0.26%	0.044%
10	5.565	412	423	432	VV 7	2663	98583	0.17%	0.029%
11	5.982	486	494	522	PV	1017810	17564717	30.71%	5.238%
12	6.158	522	524	526	VV 3	2656	41529	0.07%	0.012%
13	7.022	664	671	674	VV 7	1917	47342	0.08%	0.014%
14	7.733	786	792	808	VV 2	12184	347175	0.61%	0.104%
15	8.749	958	965	976	VV 2	8550	174332	0.30%	0.052%
16	9.049	1008	1016	1022	VV 7	2518	63848	0.11%	0.019%
17	9.260	1045	1052	1056	PV 4	2206	43051	0.08%	0.013%
18	9.313	1056	1061	1066	VV 7	2869	65791	0.12%	0.020%
19	9.936	1157	1167	1187	VV	2121393	39429019	68.94%	11.757%
20	10.071	1187	1190	1196	VV 4	2055	39398	0.07%	0.012%
21	13.432	1751	1762	1783	PV	2825707	52890533	92.48%	15.771%
22	13.585	1783	1788	1798	VV 2	9244	154644	0.27%	0.046%
23	15.700	2141	2148	2154	PV 4	1761	39000	0.07%	0.012%
24	16.746	2316	2326	2337	VV 4	5085	121823	0.21%	0.036%
25	17.151	2375	2395	2402	PV 2	10638	203854	0.36%	0.061%
26	17.662	2473	2482	2487	PV 3	4846	75158	0.13%	0.022%
27	18.573	2617	2637	2662	PV	2919722	57193652	100.00%	17.055%
28	18.961	2694	2703	2716	BV 6	1909	39188	0.07%	0.012%
29	20.154	2901	2906	2915	VV 4	1908	40169	0.07%	0.012%
30	20.330	2931	2936	2941	PV 4	1616	24615	0.04%	0.007%
31	20.547	2959	2973	2988	BV	1584167	30943867	54.10%	9.227%
32	21.399	3112	3118	3124	VV 3	14795	237533	0.42%	0.071%
33	21.758	3172	3179	3188	VV 5	1808	28904	0.05%	0.009%
34	22.580	3312	3319	3325	PV 2	21002	375485	0.66%	0.112%
35	22.956	3370	3383	3402	BV 2	2573006	55188817	96.49%	16.457%
36	23.109	3402	3409	3425	VV	26617	683605	1.20%	0.204%
37	29.978	4574	4578	4587	PV 3	1592	34239	0.06%	0.010%

39	31.088	4766	4767	4779	VV	9	5459	167309	0.29%	0.050%
40	31.165	4779	4780	4783	VV	2	2967	35201	0.06%	0.010%
41	31.382	4810	4817	4827	PV	4	4923	111985	0.20%	0.033%
42	34.713	5369	5384	5417	PV		1245660	32849475	57.44%	9.795%
43	34.913	5417	5418	5438	VV	7	12175	503718	0.88%	0.150%
44	35.042	5438	5440	5455	VV	10	3534	117496	0.21%	0.035%

Sum of corrected areas: 335357898

File : C:\MSDCHEM\1\DATA\051302\10817.D
Operator : Mclean
Acquired : 13 May 2002 10:06 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/9 kb
Misc Info :
Vial Number: 14
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051302\10817.D Vial: 14
Acq On : 13 May 2002 10:06 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

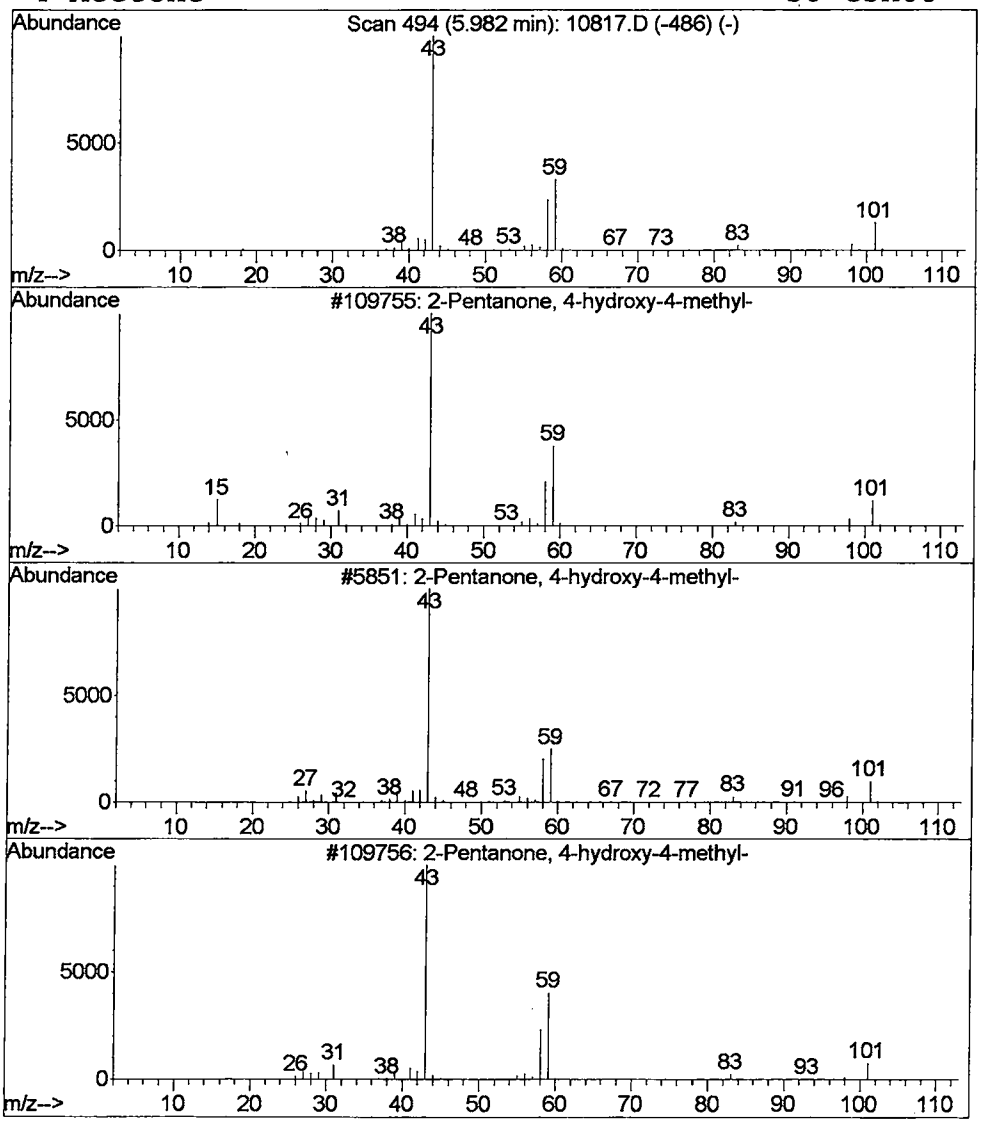
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

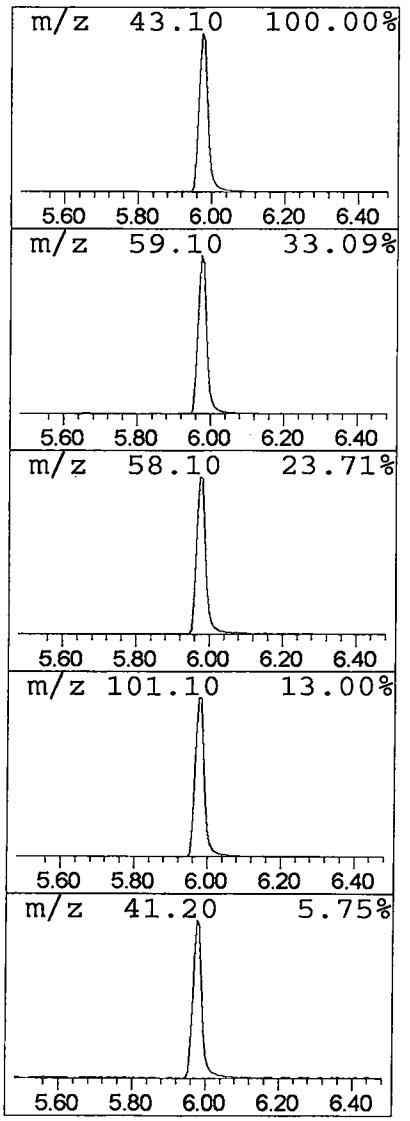
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	17.82 ug/L	17564700	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	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
4	Acetone	58	C3H6O	000067-64-1	32





Data File : C:\MSDCHEM\1\DATA\051302\10817.D Vial: 14
Acq On : 13 May 2002 10:06 pm Operator: Mclean
Sample : 5/9 kb 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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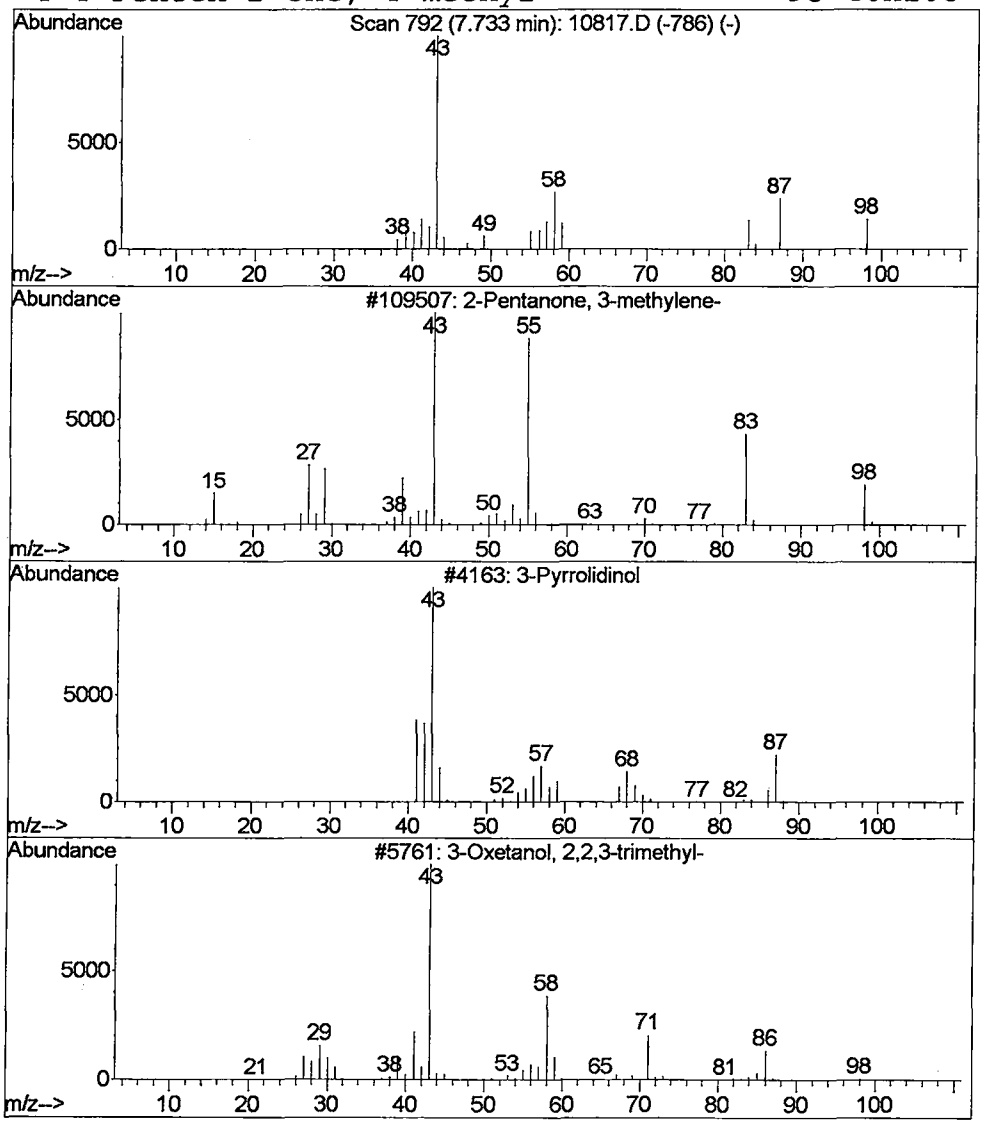
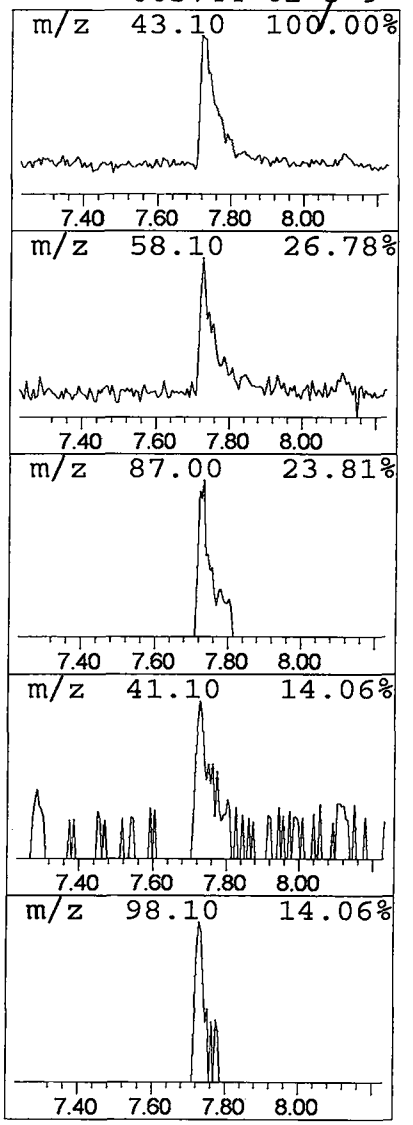
Peak Number 2 2-Pentanone, 3-methylene- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.35 ug/L	347175	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	22
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	17
3	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	12
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Data File : C:\MSDCHEM\1\DATA\051302\10817.D Vial: 14
Acq On : 13 May 2002 10:06 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
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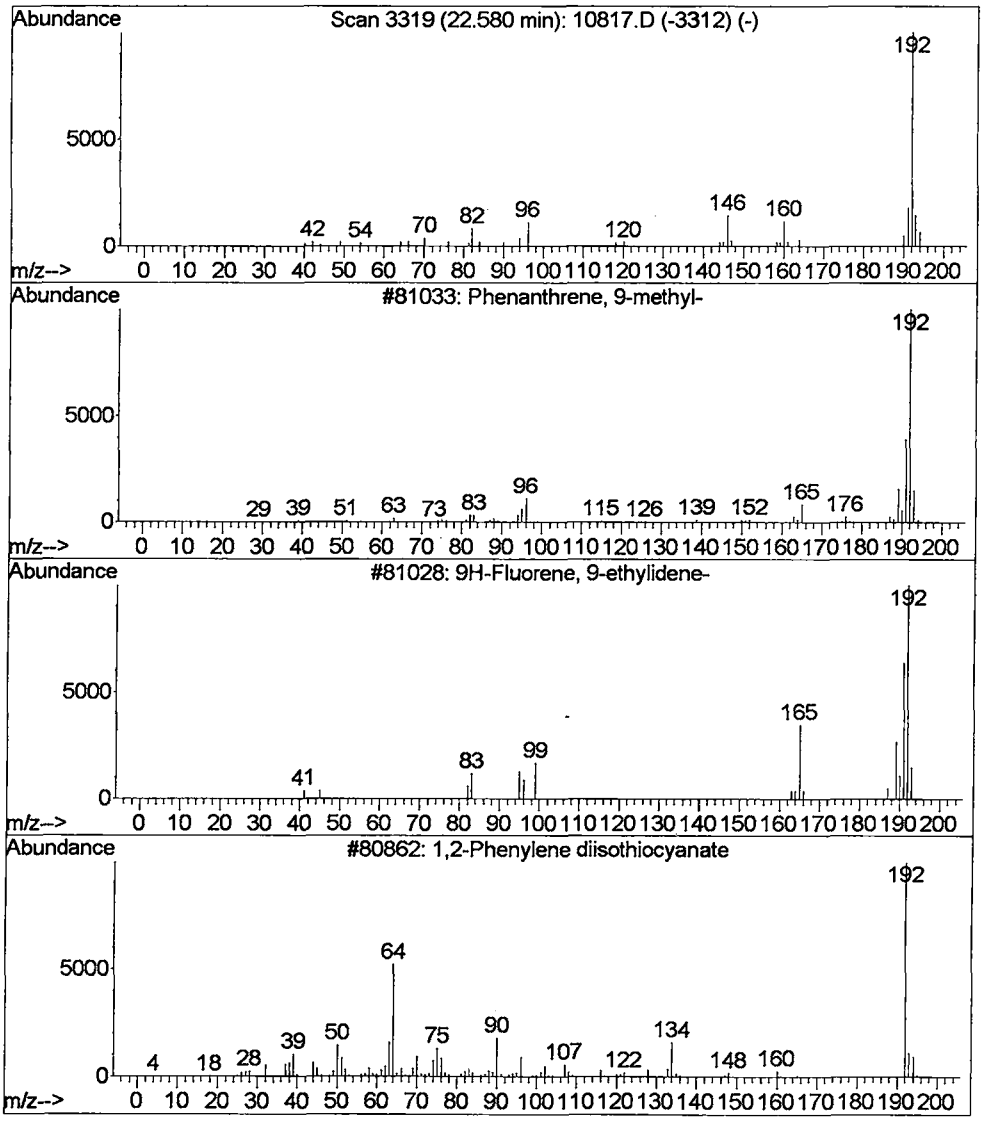
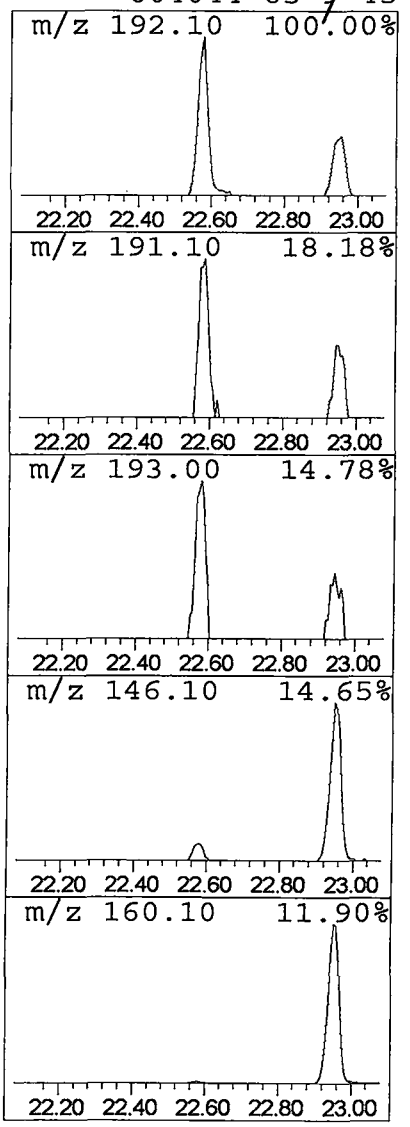
Peak Number 3 Phenanthrene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.27 ug/L	375485	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	59
2	9H-Fluorene, 9-ethylidene-	192	C15H12	007151-64-6	50
3	1,2-Phenylene diisothiocyanate	192	C8H4N2S2	071105-17-4	50
4	Bitoscanate	192	C8H4N2S2	004044-65-9	45





Data File : C:\MSDCHEM\1\DATA\051302\10817.D Vial: 14
Acq On : 13 May 2002 10:06 pm Operator: Mclean
Sample : 5/9 kb 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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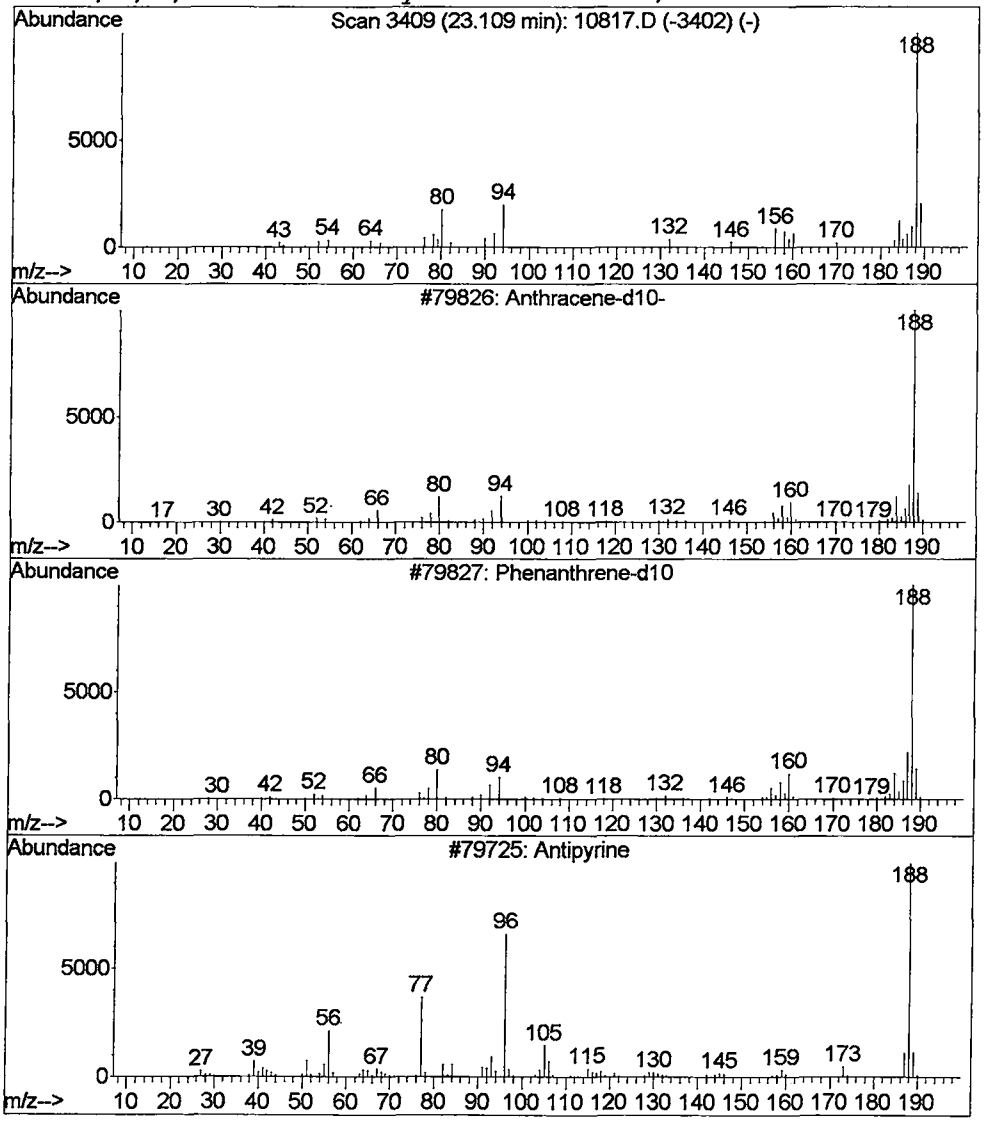
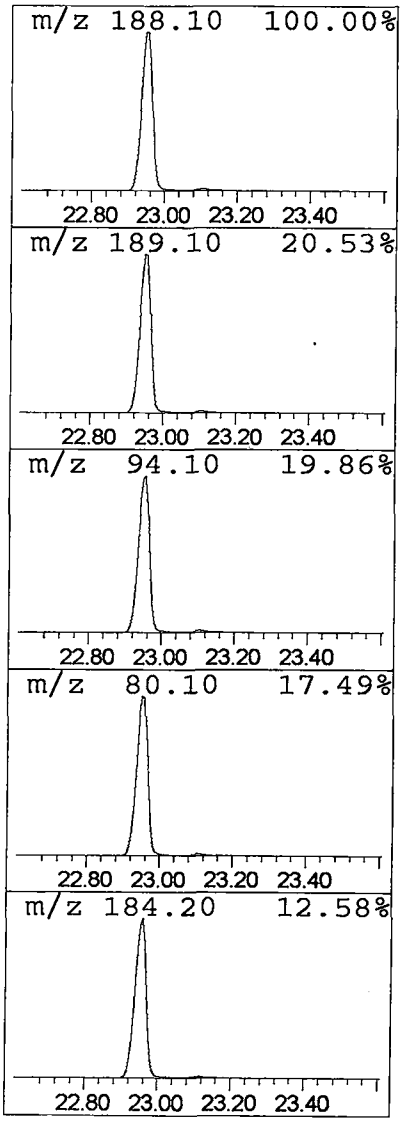
Peak Number 4 Anthracene-d10- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.50 ug/L	683605	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	83
2	Phenanthrene-d10	188	C14D10	001517-22-2	64
3	Antipyrine	188	C11H12N2O	000060-80-0	38
4	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	38





Data File : C:\MSDCHEM\1\DATA\051302\10817.D Vial: 14
Acq On : 13 May 2002 10:06 pm Operator: Mclean
Sample : 5/9 kb 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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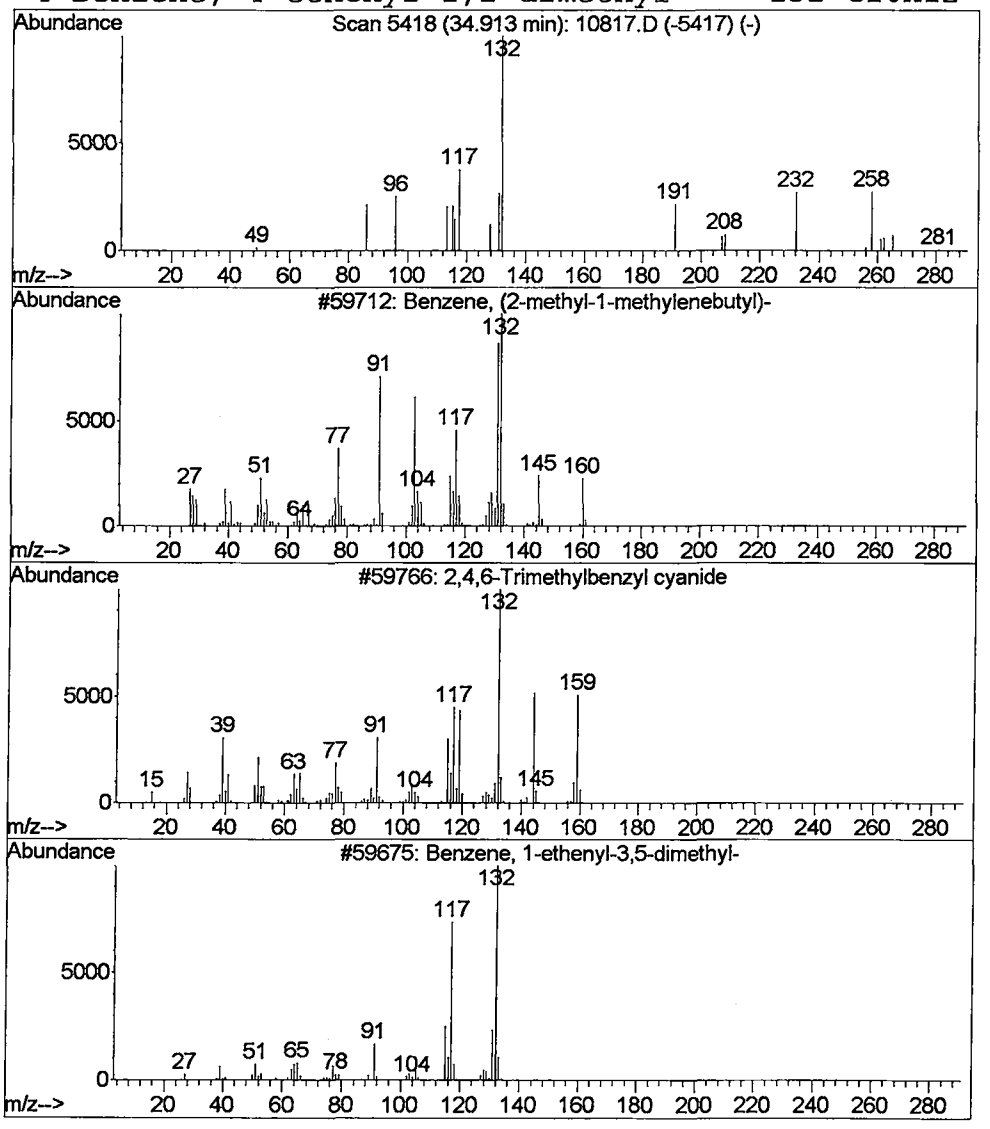
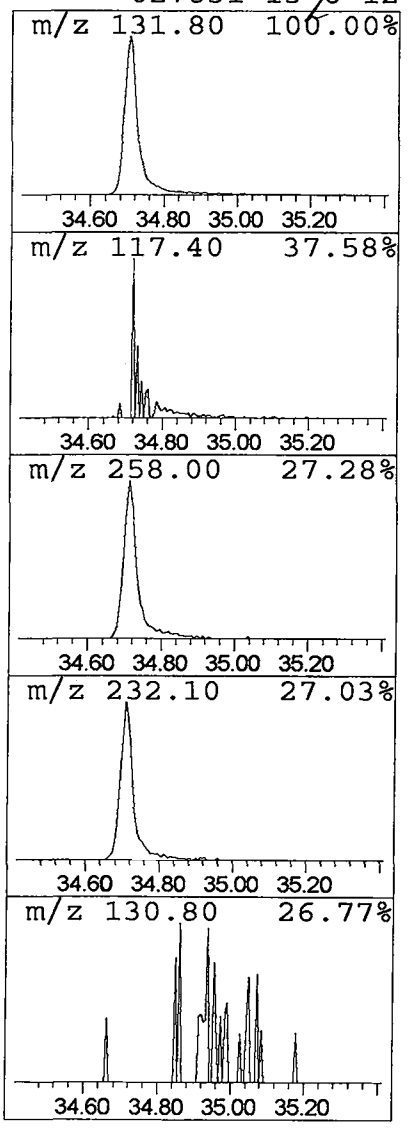
Peak Number 5 Benzene, (2-methyl-1-methyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.92	0.61 ug/L	503718	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-methylenebu...	160	C12H16	026452-86-8	12
2	2,4,6-Trimethylbenzyl cyanide	159	C11H13N	034688-71-6	12
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	12
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	12





Operator ID: Mclean Date Acquired: 13 May 2002 10:06 pm
Data File: C:\MSDCHEM\1\DATA\051302\10817.D
Name: 5/9 kb
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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
2-Pentanone, 4-hy...	5.98	17.8	ug/L	17564700	1	9.94	39429000	40.0
2-Pentanone, 3-me...	7.73	0.4	ug/L	347175	1	9.94	39429000	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	375485	4	22.96	55188800	40.0
Anthracene-d10-	23.11	0.5	ug/L	683605	4	22.96	55188800	40.0
Benzene, (2-methy...	34.92	0.6	ug/L	503718	6	34.71	32849500	40.0