User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 13:59:28

Sample: AE10163
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 13:59 Ended: 5/14/02 13:59 Analyst: DLV
Page: 1

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

Comments for Sample AE10163 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 13:59:48

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\10163.D Vial: 11
Acq On : 13 May 2002 7:38 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 14 11:41:02 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	9.93	152	5533743	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	21858870	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11916841	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	17171178	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	11818758	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	7234866	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2664119	36.82	ug/L	0.00
Spiked Amount 40.000			Recovery = 92.05%			
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	20.15	149	19024	N.D.		
25) 4-Chlorophenyl-phenylether	20.55	204	15038	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.55	77	50802	N.D.		
30) Nnitrosodiphenylamine	20.55	169	51277	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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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	29105	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	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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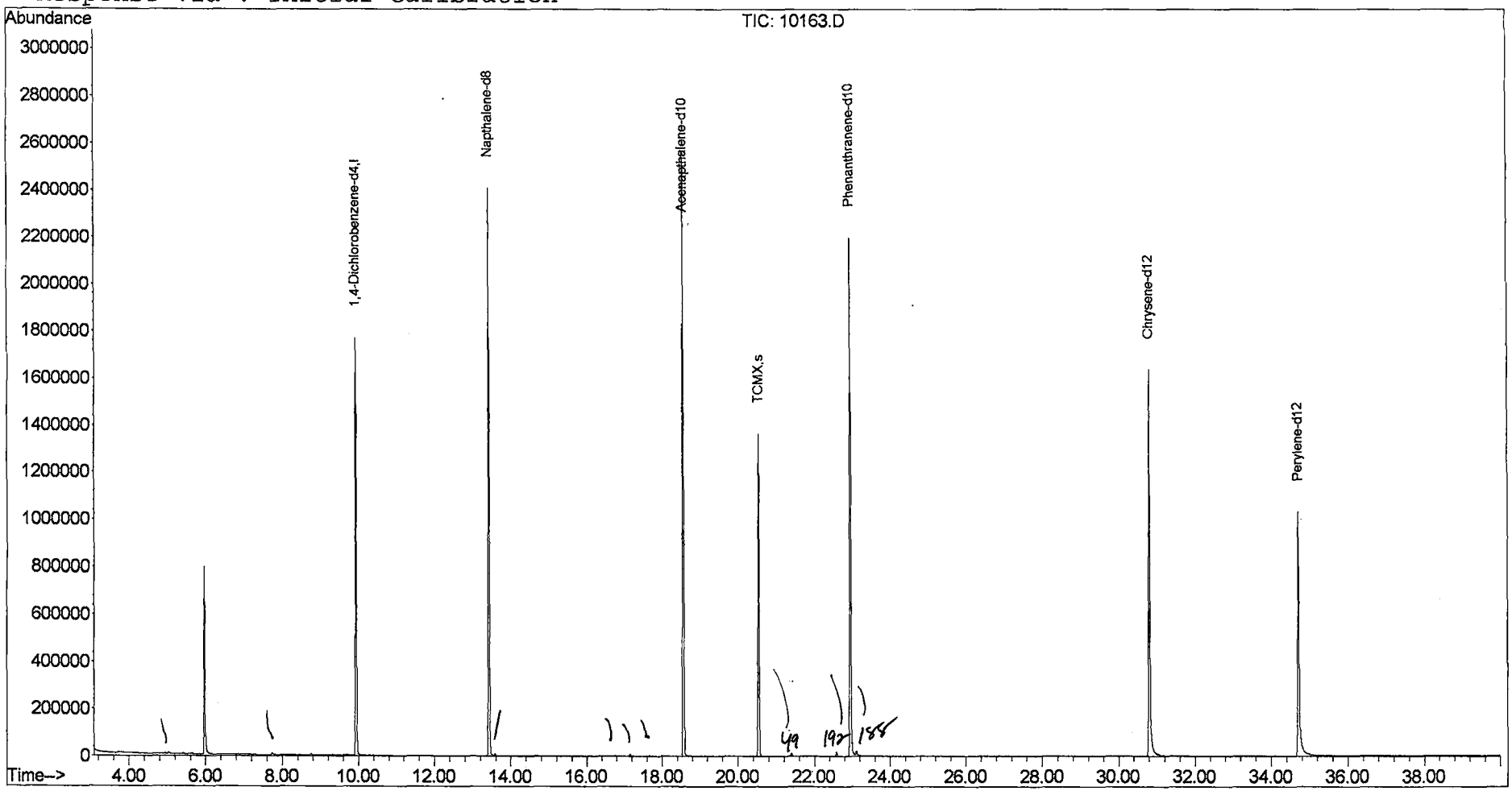
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\051302\10163.D Vial: 11
Acq On : 13 May 2002 7:38 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

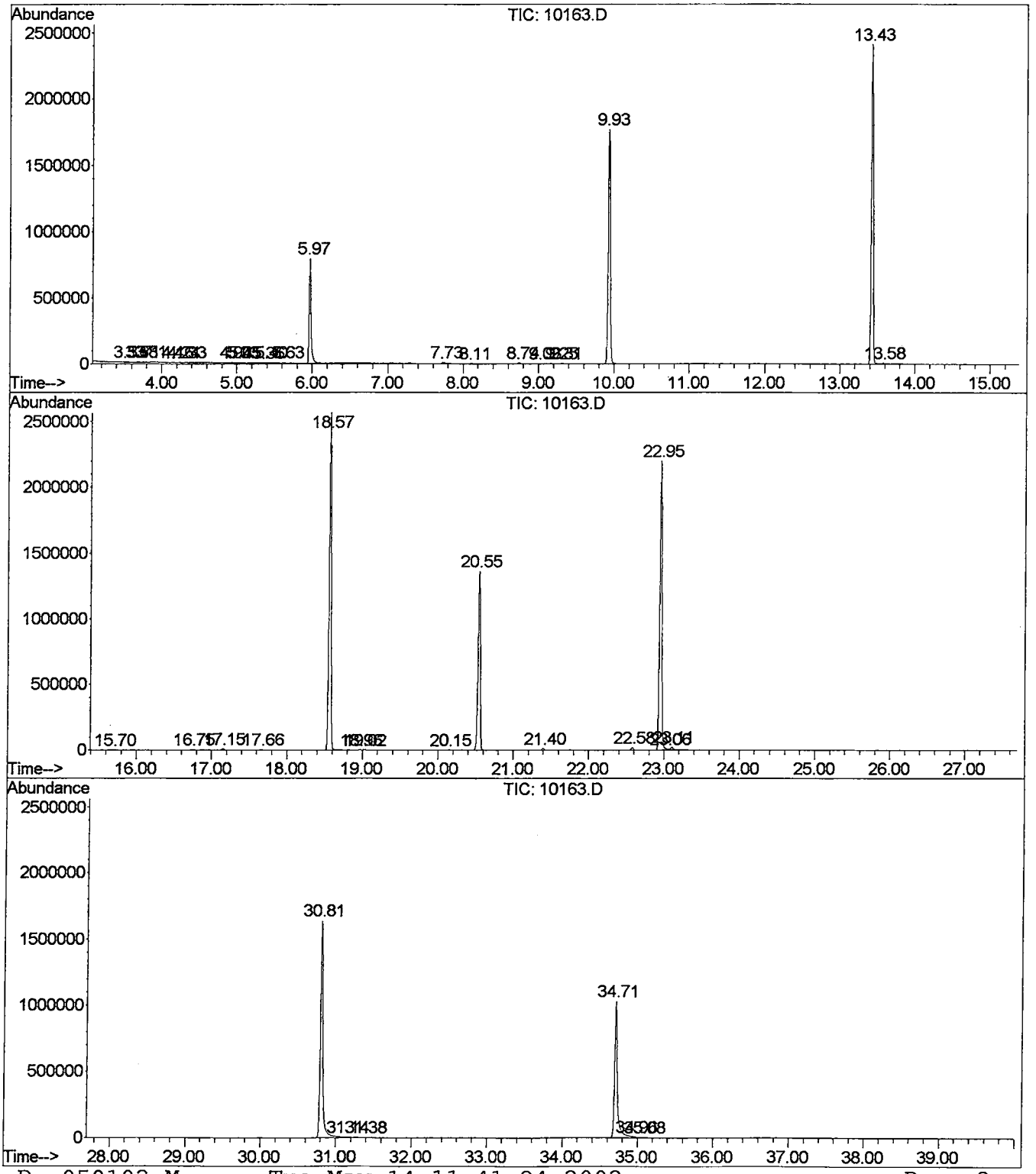
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.526	72	76	88	PV 8	2199	52201	0.11%	0.018%
2	3.684	97	103	104	VV 5	3057	48422	0.10%	0.017%
3	3.714	104	108	122	VV 10	4176	231103	0.47%	0.082%
4	3.808	122	124	130	VV 5	3406	85410	0.17%	0.030%
5	4.154	179	183	186	VV 5	3353	55542	0.11%	0.020%
6	4.237	186	197	205	VV 10	3476	125356	0.26%	0.044%
7	4.325	205	212	220	VV 5	3764	89416	0.18%	0.032%
8	4.936	310	316	325	VV 7	4841	91634	0.19%	0.032%
9	5.030	325	332	335	VV 6	4609	85096	0.17%	0.030%
10	5.053	335	336	346	VV 6	3253	73449	0.15%	0.026%
11	5.365	382	389	392	PV 6	1722	38053	0.08%	0.013%
12	5.406	392	396	403	VV 4	4707	108012	0.22%	0.038%
13	5.629	426	434	444	VV 7	4074	126541	0.26%	0.045%
14	5.970	479	492	523	VV	800152	14127291	28.85%	4.990%
15	7.733	786	792	805	PV 2	9351	261382	0.53%	0.092%
16	8.109	849	856	866	VV 6	2179	59323	0.12%	0.021%
17	8.743	957	964	977	VV	6166	132664	0.27%	0.047%
18	9.037	1010	1014	1022	VV 6	1958	46850	0.10%	0.017%
19	9.254	1042	1051	1057	PV 5	2154	54307	0.11%	0.019%
20	9.313	1057	1061	1070	VV 4	2520	68743	0.14%	0.024%
21	9.936	1158	1167	1196	PV	1756940	33430163	68.27%	11.809%
22	13.432	1746	1762	1782	PV	2415459	44857627	91.60%	15.846%
23	13.579	1782	1787	1798	VV 2	7742	141378	0.29%	0.050%
24	15.700	2140	2148	2160	PB 5	1943	44341	0.09%	0.016%
25	16.746	2314	2326	2339	PV 3	3386	69132	0.14%	0.024%
26	17.151	2390	2395	2402	VV 2	9146	143304	0.29%	0.051%
27	17.662	2464	2482	2487	VV 4	4376	88462	0.18%	0.031%
28	18.567	2623	2636	2671	VV	2524077	48970500	100.00%	17.299%
29	18.967	2692	2704	2709	PV 5	2450	52503	0.11%	0.019%
30	19.020	2709	2713	2721	VV 6	2336	49340	0.10%	0.017%
31	20.148	2900	2905	2913	VV 4	1694	35091	0.07%	0.012%
32	20.547	2961	2973	2986	PV	1362241	26774154	54.67%	9.458%
33	21.399	3104	3118	3138	PV 2	13044	211290	0.43%	0.075%
34	22.580	3313	3319	3333	VV 2	18526	333009	0.68%	0.118%
35	22.956	3371	3383	3400	PV 2	2196646	46816107	95.60%	16.538%
36	23.062	3400	3401	3403	VV 2	5781	55155	0.11%	0.019%
37	23.109	3403	3409	3419	VV	19993	458838	0.94%	0.162%

39	31.141	4774	4776	4783	VV	4	2730	65140	0.13%	0.023%
40	31.382	4812	4817	4822	PV	4	1866	36897	0.08%	0.013%
41	34.707	5370	5383	5425	PV		1019900	26835944	54.80%	9.480%
42	34.966	5425	5427	5444	VV		6404	235639	0.48%	0.083%
43	35.078	5444	5446	5452	VV	7	1635	27819	0.06%	0.010%

Sum of corrected areas: 283087280

File : C:\MSDCHEM\1\DATA\051302\10163.D
Operator : Mclean
Acquired : 13 May 2002 7:38 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/9 kb
Misc Info :
Vial Number: 11
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051302\10163.D Vial: 11
Acq On : 13 May 2002 7:38 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

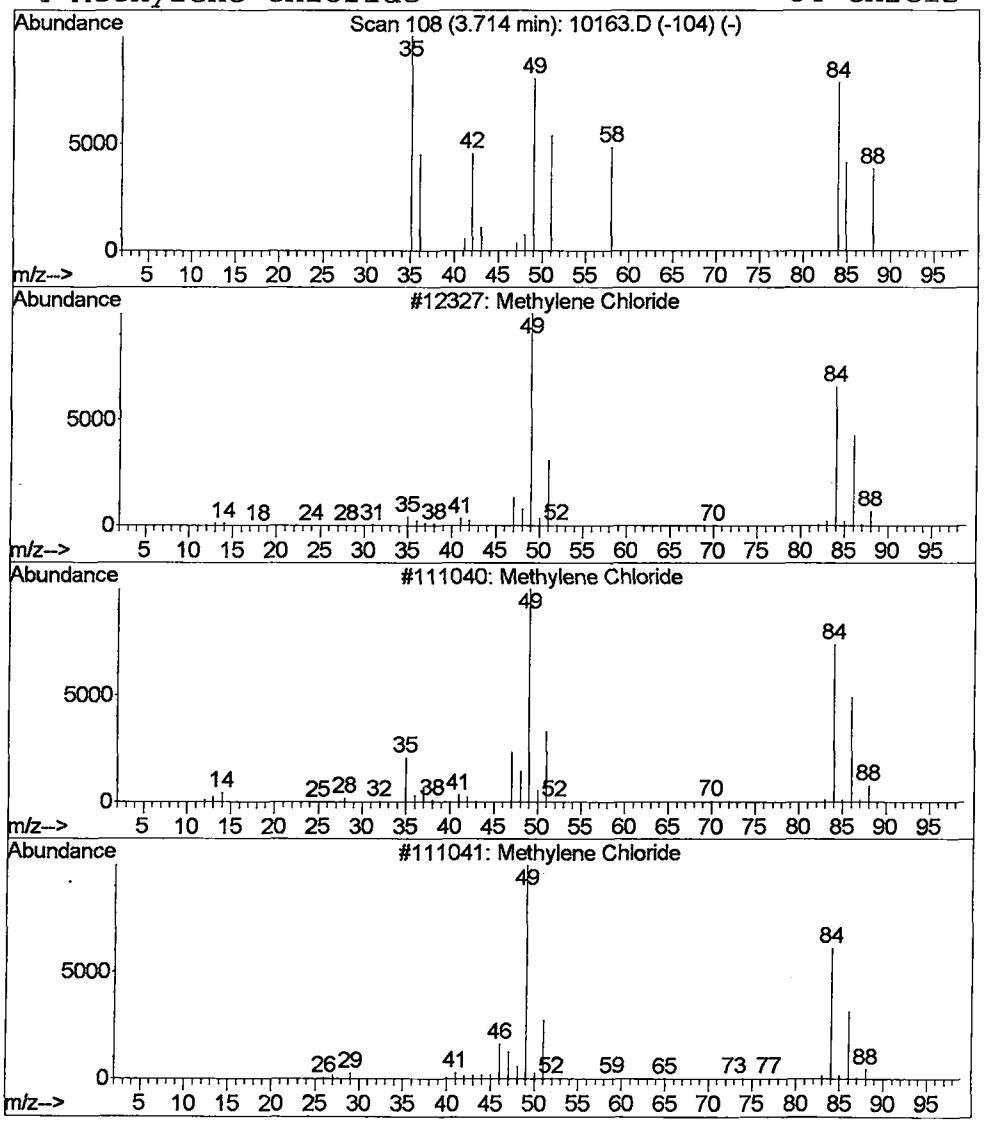
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

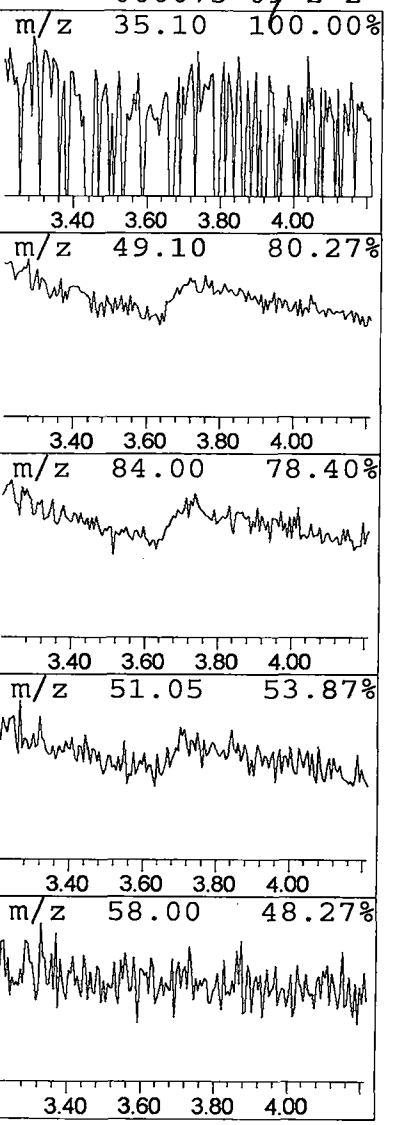
****

Peak Number 1 Methylene Chloride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	0.28 ug/L	231103	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	38
2	Methylene Chloride	84	CH2Cl2	000075-09-2	7
3	Methylene Chloride	84	CH2Cl2	000075-09-2	2
4	Methylene Chloride	84	CH2Cl2	000075-09-2	2





Data File : C:\MSDCHEM\1\DATA\051302\10163.D
Acq On : 13 May 2002 7:38 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 11
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
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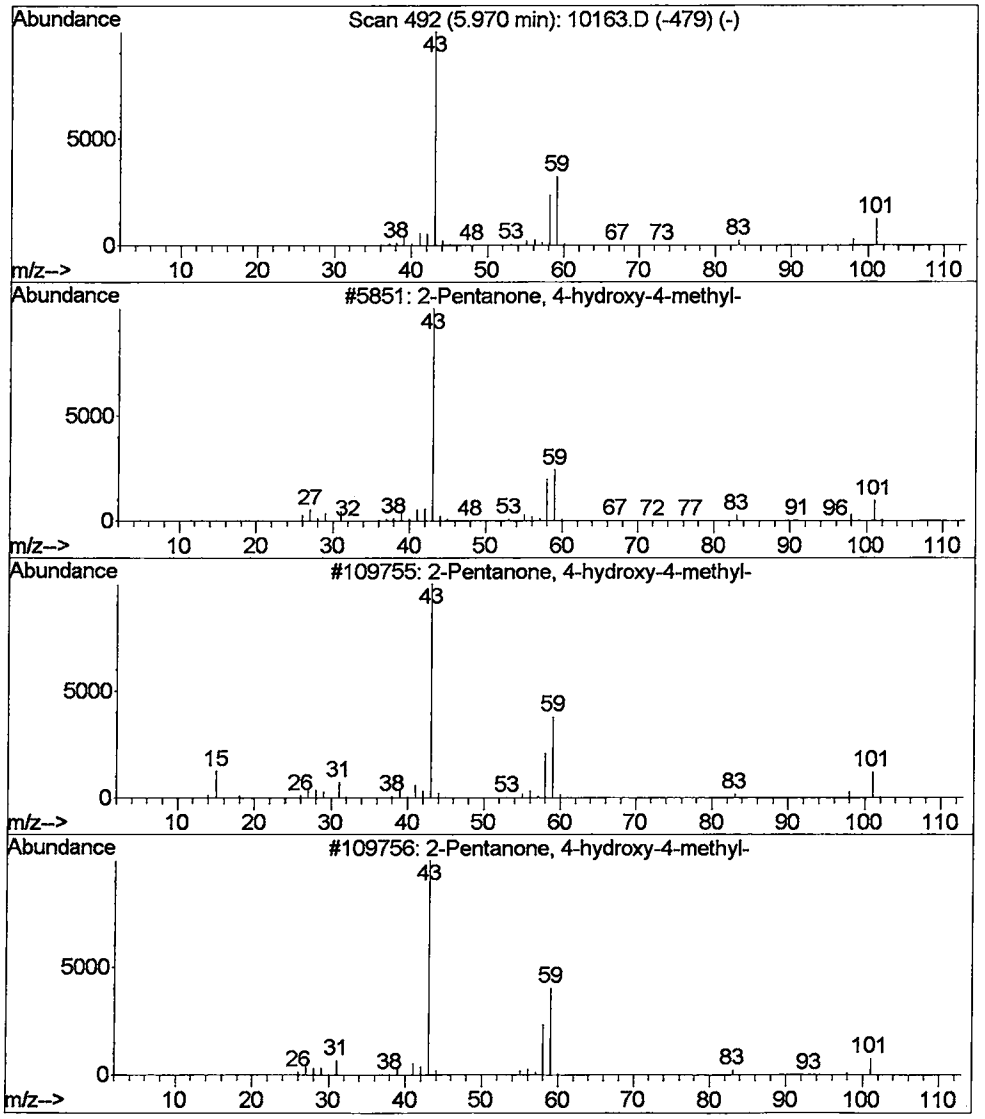
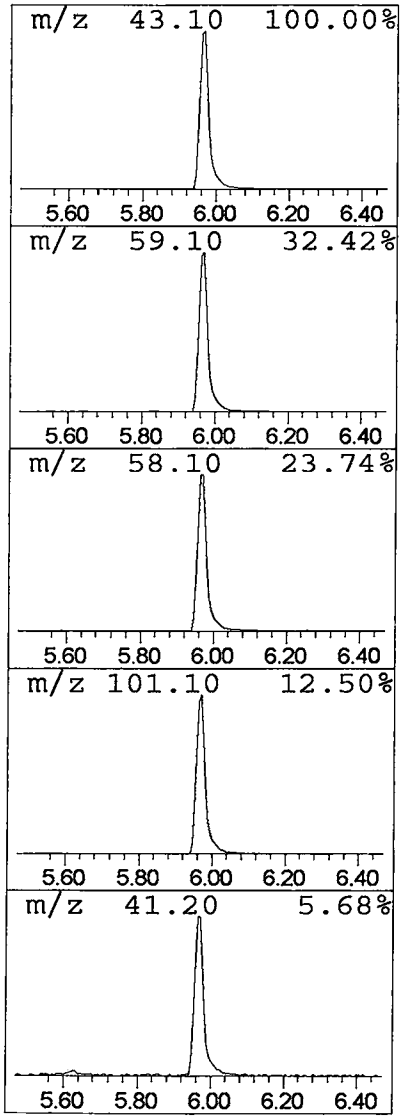
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	16.90 ug/L	14127300	1,4-Dichlorobenzene-d4	9.93

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	78
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
4	Acetone	58	C3H6O	000067-64-1	38





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Acq On : 13 May 2002 7:38 pm
Sample : 5/9 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 11
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
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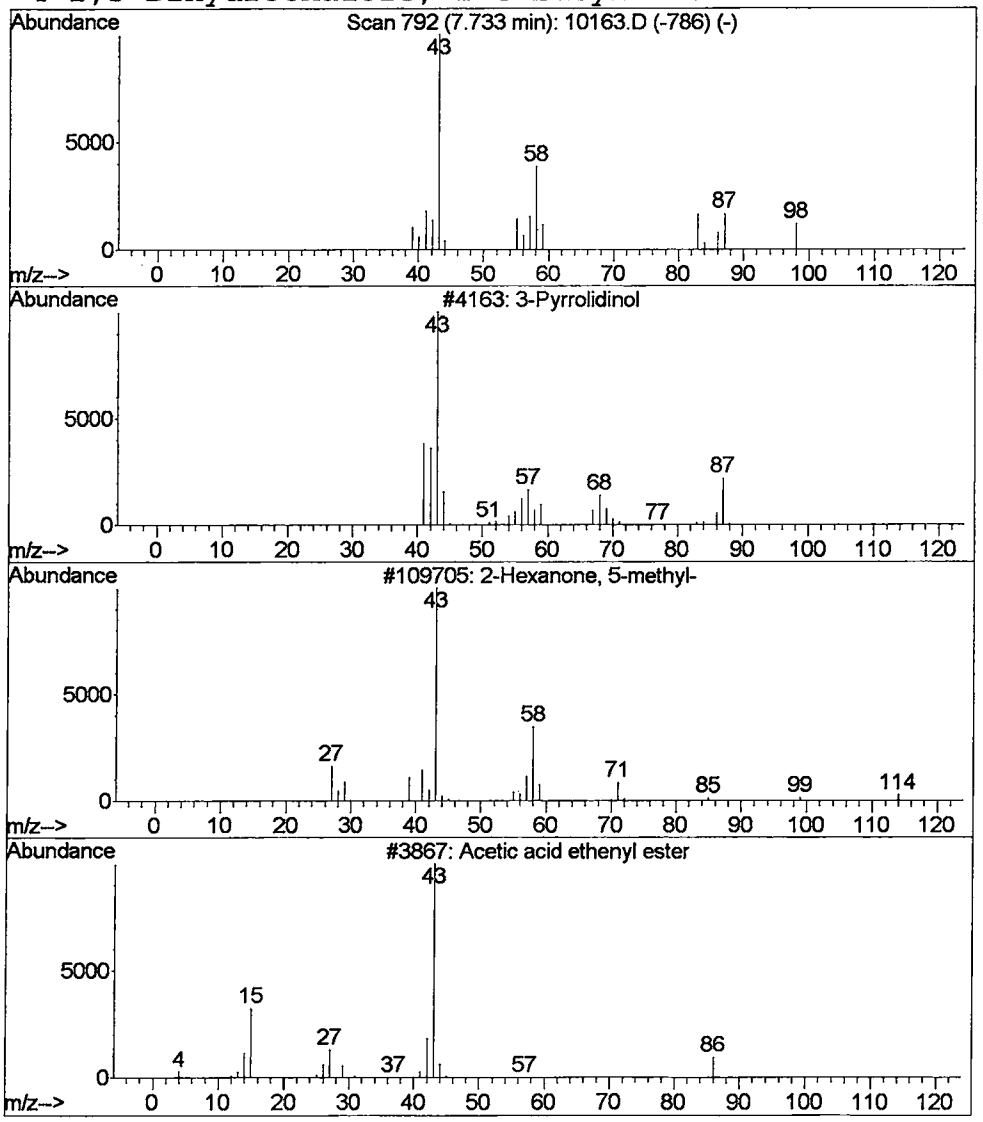
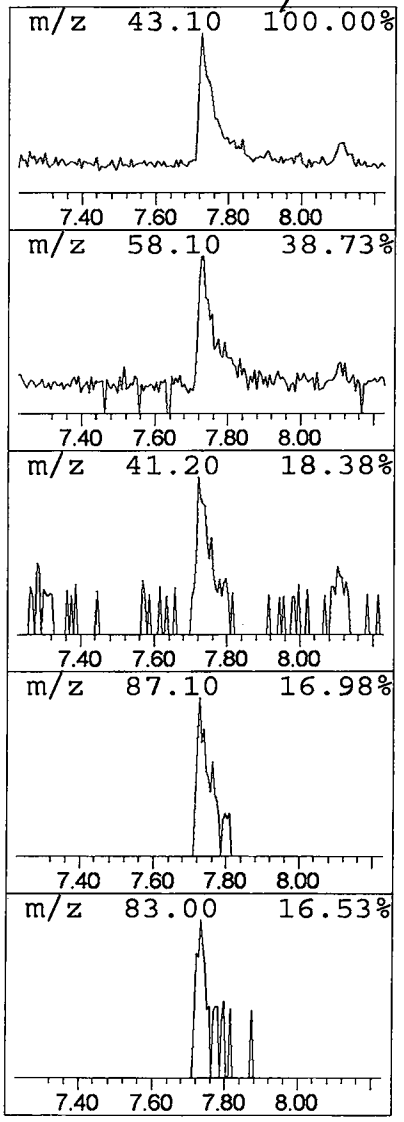
Peak Number 3 3-Pyrrolidinol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.31 ug/L	261382	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	35
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	33
3	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	9
4	2,3-Dihydrooxazole, 2-t-butyl-4-...	98	C6H10O	036808-01-2	9





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Acq On : 13 May 2002 7:38 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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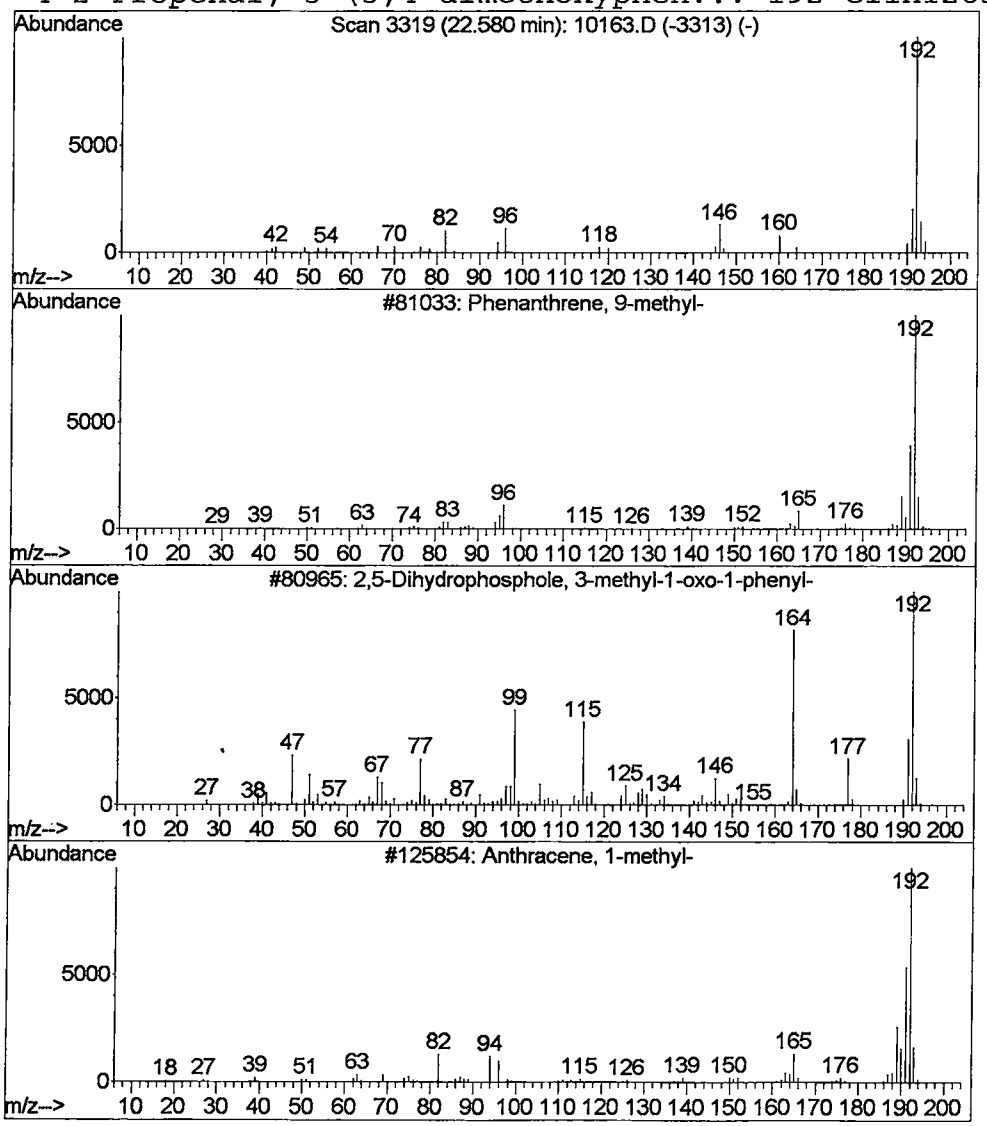
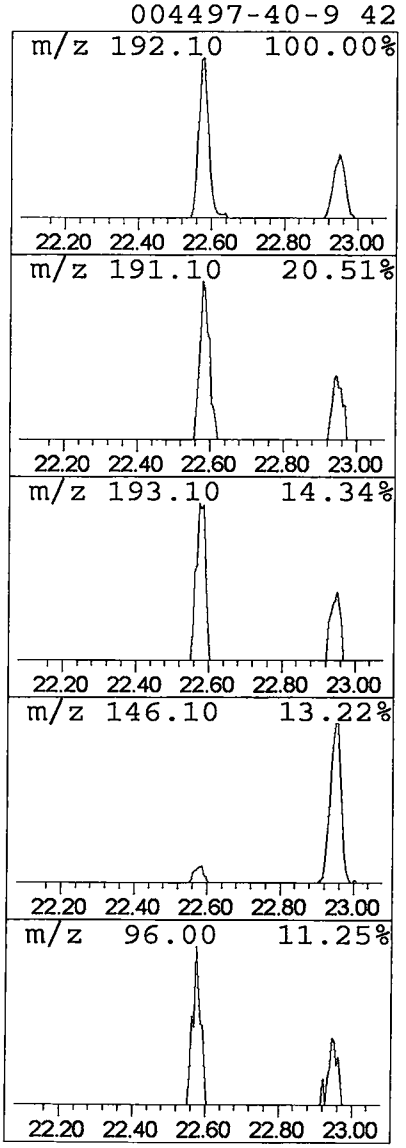
Peak Number 4 Phenanthrene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.28 ug/L	333009	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	45
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42





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Acq On : 13 May 2002 7:38 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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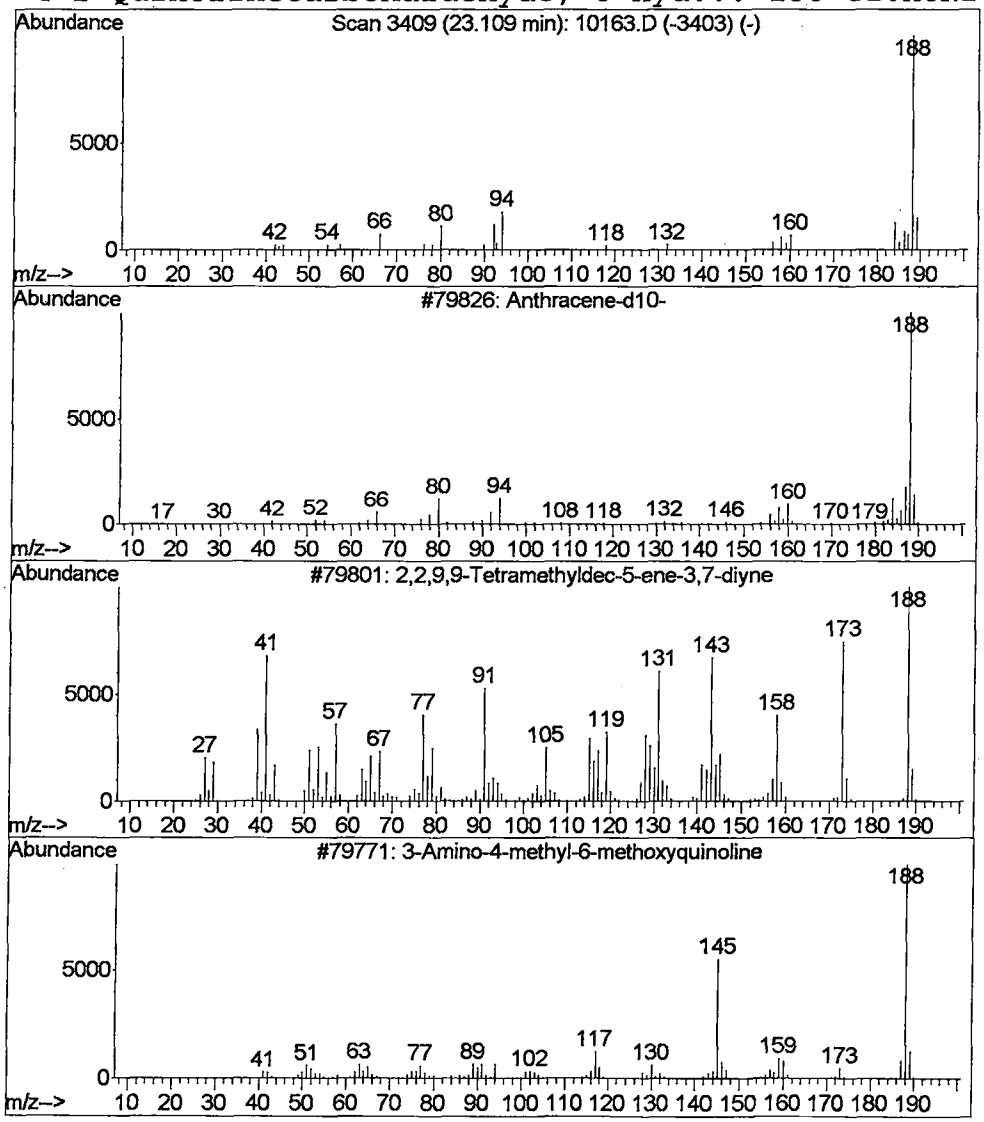
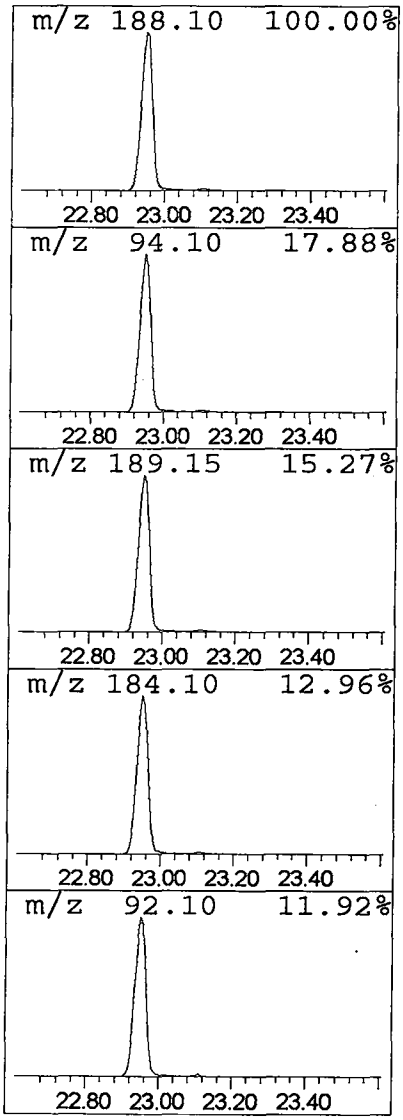
Peak Number 5 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.39 ug/L	458838	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	87
2	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	38
3	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	38
4	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	38





Data File : C:\MSDCHEM\1\DATA\051302\10163.D Vial: 11
Acq On : 13 May 2002 7:38 pm Operator: Mclean
Sample : 5/9 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

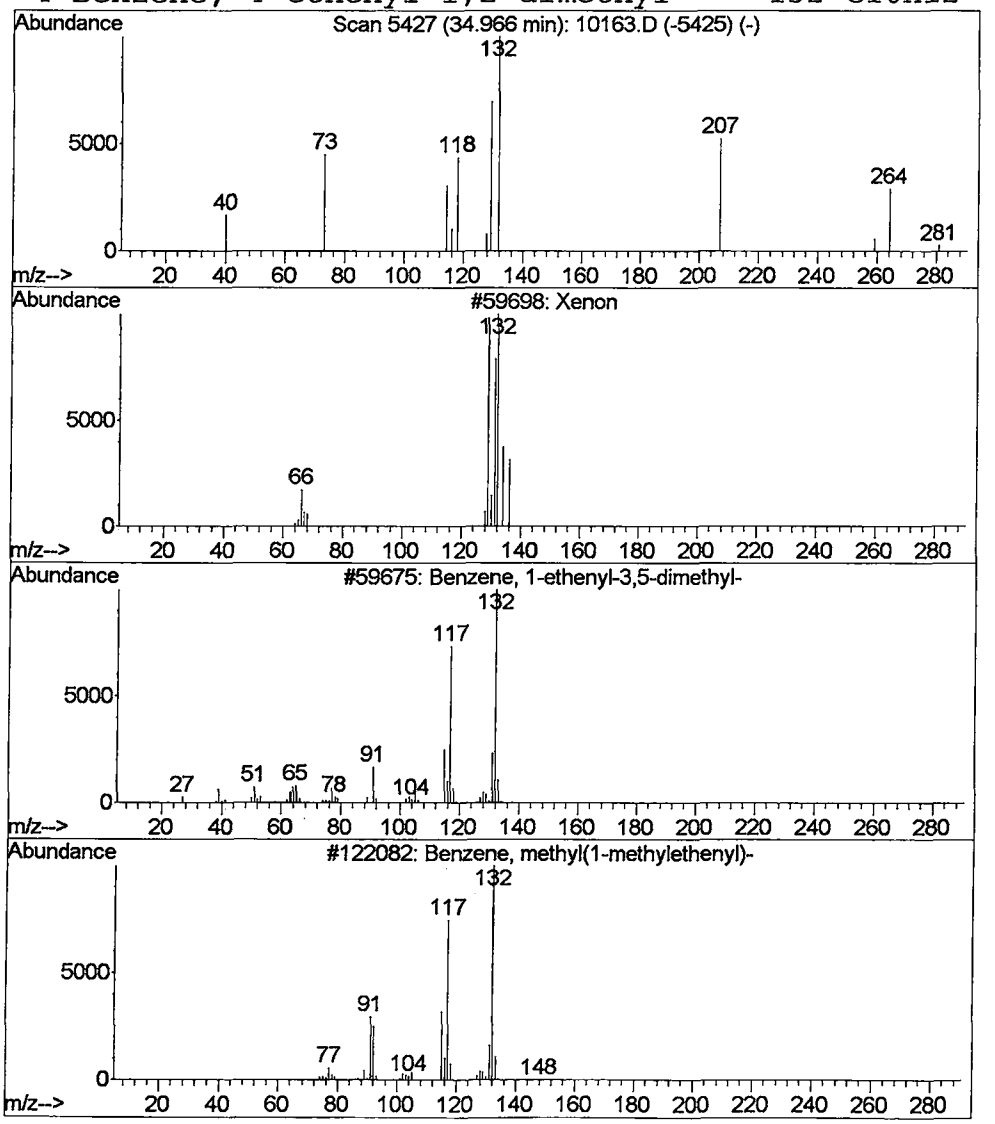
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

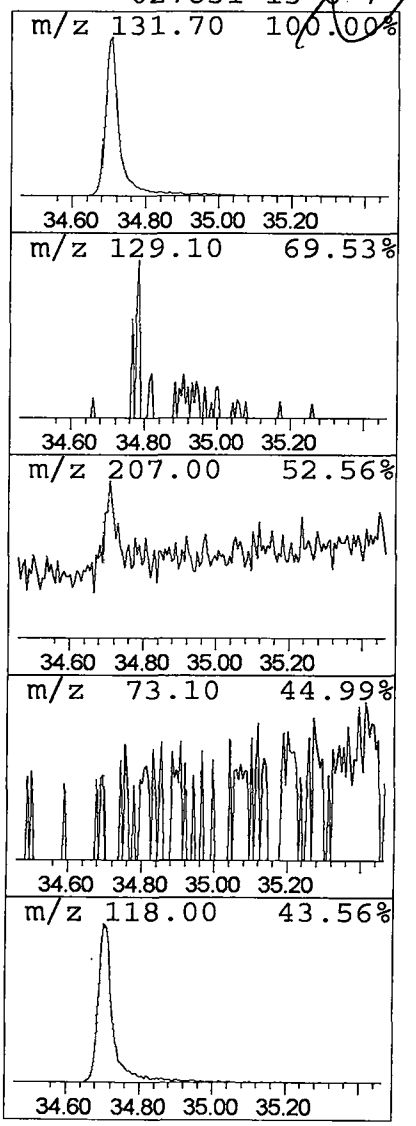
****

Peak Number 6 Xenon Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.96	0.35 ug/L	235639	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Xenon	132	Xe	007440-63-3	9
2	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	7
3	Benzene, methyl(1-methylethenyl)-	132	C10H12	026444-18-8	7
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	7





Operator ID: Mclean Date Acquired: 13 May 2002 7:38 pm
Data File: C:\MSDCHEM\1\DATA\051302\10163.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--- #	RT	Resp	Conc
Methylene Chloride	3.71	0.3	ug/L	231103	1	9.93	33430200	40.0
2-Pentanone, 4-hy...	5.97	16.9	ug/L	14127300	1	9.93	33430200	40.0
3-Pyrrolidinol	7.73	0.3	ug/L	261382	1	9.93	33430200	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	333009	4	22.95	46816100	40.0
Anthracene-d10-	23.11	0.4	ug/L	458838	4	22.95	46816100	40.0
Xenon	34.96	0.4	ug/L	235639	6	34.71	26835900	40.0