User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/21/2002 Time: 11:55:40

Sample: AE10897
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/21/02 11:54 Ended: 5/21/02 11:54 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		88		10.0

Comments for Sample AE10897 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-21-2002 Time: 11:56:04

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\10897.D Vial: 10
Acq On : 16 May 2002 9:52 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 09:45:10 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	4859689	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	19286296	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10283668	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	14565594	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	9804868	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	5575525	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	2195161	35.16	ug/L	0.00
Spiked Amount 40.000			Recovery = 87.90%			
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	37903	N.D.		
30) Nnitrosodiphenylamine	20.54	169	42812	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

Data File : C:\MSDCHEM\1\DATA\051602\10897.D Vial: 10
Acq On : 16 May 2002 9:52 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 09:45:10 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

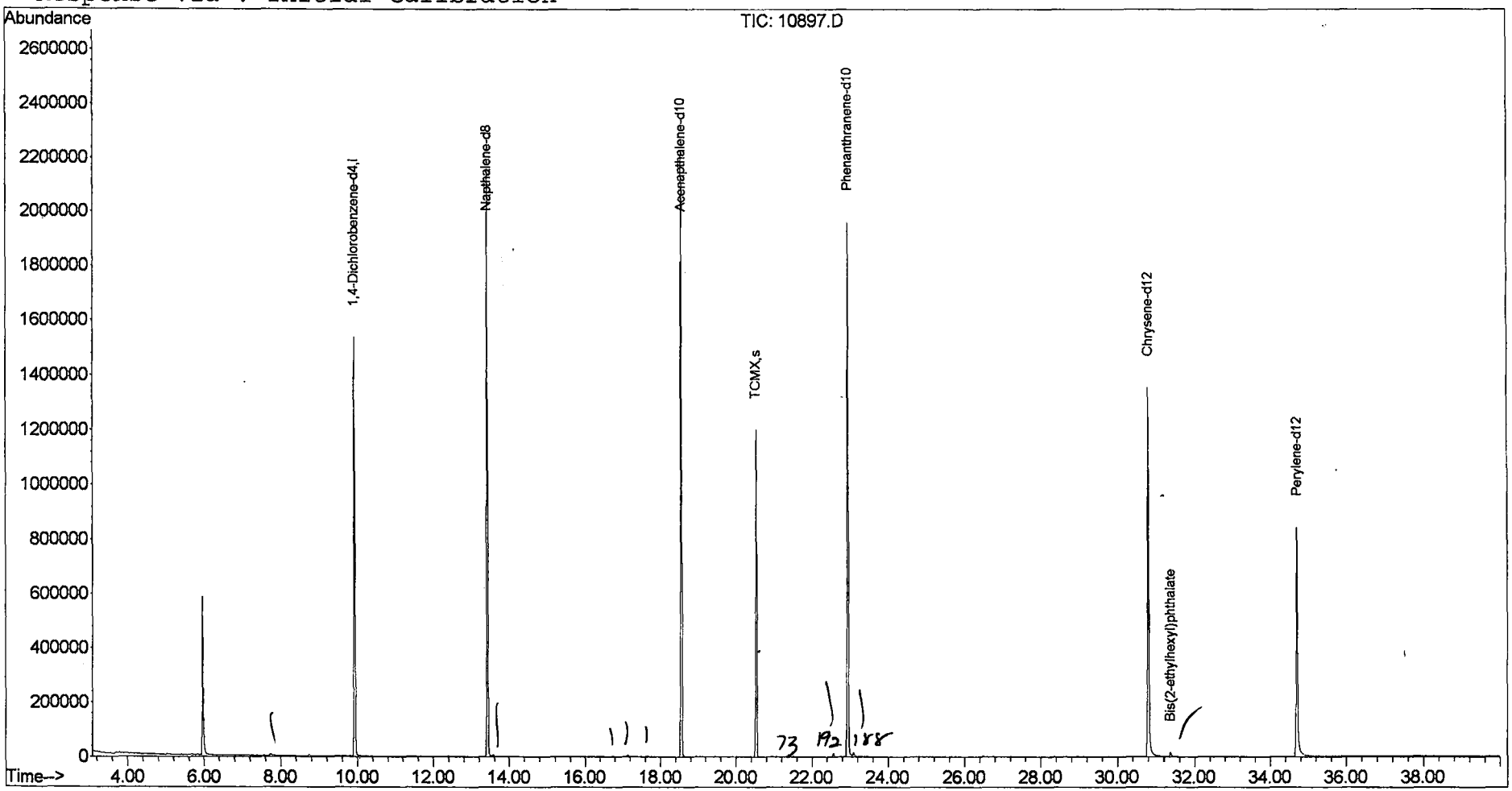
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	0.00	228	0	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	78486	0.32 ug/L #	92
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	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)

Data File : C:\MSDCHEM\1\DATA\051602\10897.D Vial: 10
Acq On : 16 May 2002 9:52 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 9:45 2002 Quant Results File: 050102.RES

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\051602\10897.D Vial: 10
Acq On : 16 May 2002 9:52 pm Operator: Mclean
Sample : 5/10 eh 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

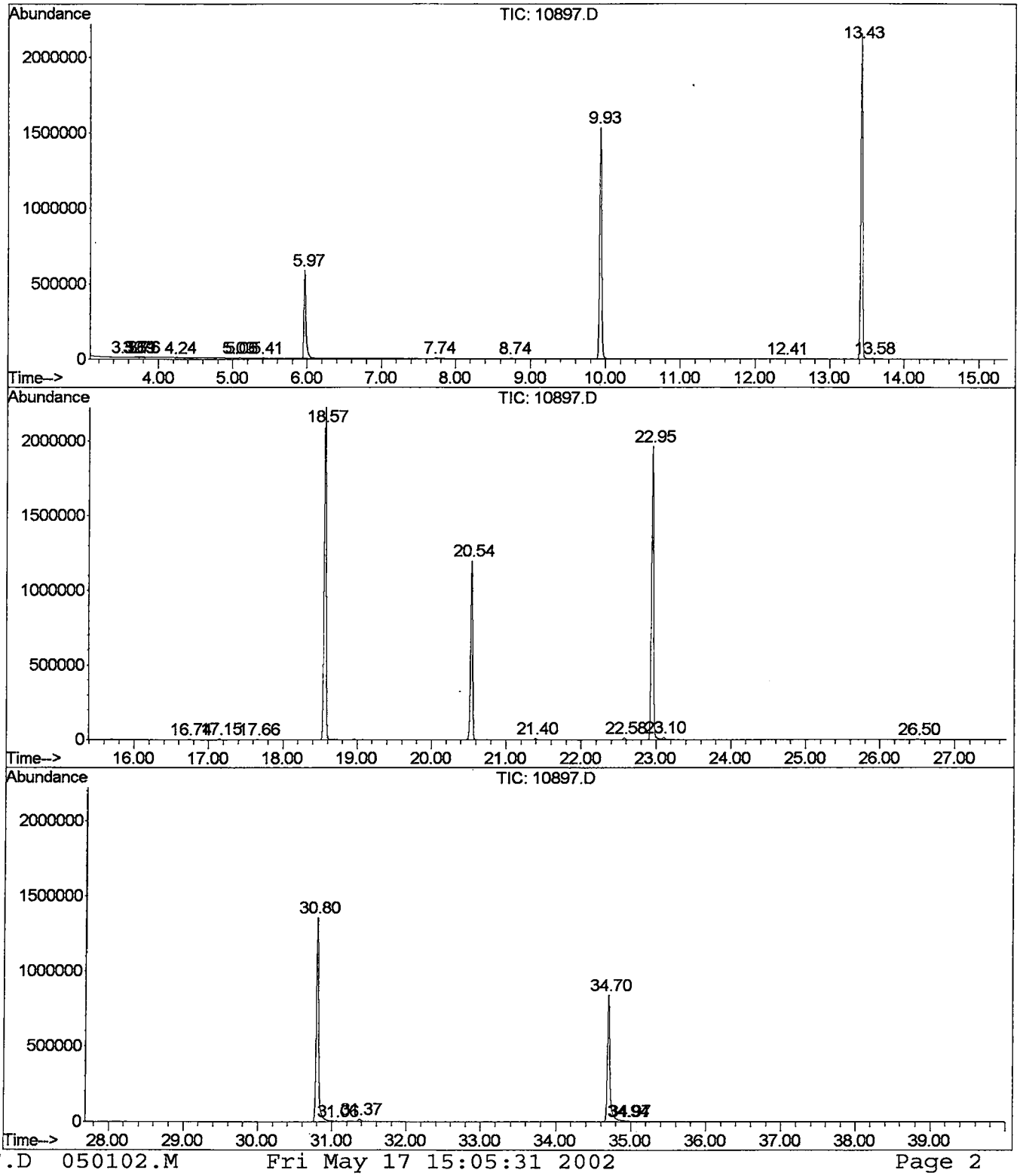
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.532	74	77	81	PV 5	1818	27815	0.07%	0.012%
2	3.690	96	104	105	PV 4	3583	56432	0.13%	0.024%
3	3.708	105	107	111	VV 4	4274	82734	0.20%	0.035%
4	3.755	111	115	128	VV 9	4036	203924	0.48%	0.086%
5	4.243	194	198	205	VV 5	1803	35820	0.08%	0.015%
6	5.030	327	332	336	PV 7	3125	63625	0.15%	0.027%
7	5.065	336	338	340	VV 2	2236	21096	0.05%	0.009%
8	5.412	388	397	402	PV 4	2705	42111	0.10%	0.018%
9	5.970	478	492	519	PV	573737	10712733	25.26%	4.520%
10	7.739	781	793	810	PV 3	5599	171020	0.40%	0.072%
11	8.743	957	964	975	VV 3	5018	111973	0.26%	0.047%
12	9.936	1154	1167	1186	PV	1502951	29307657	69.11%	12.367%
13	12.410	1581	1588	1603	PV 3	1784	34398	0.08%	0.015%
14	13.432	1751	1762	1782	PV	2127936	39445008	93.01%	16.644%
15	13.585	1782	1788	1798	VV 2	6596	127550	0.30%	0.054%
16	16.740	2318	2325	2338	PV 5	3136	70421	0.17%	0.030%
17	17.151	2379	2395	2402	BV 3	6323	112513	0.27%	0.047%
18	17.662	2468	2482	2486	BV 5	2620	43232	0.10%	0.018%
19	18.567	2624	2636	2661	PV	2228229	42410155	100.00%	17.895%
20	20.541	2960	2972	2986	PV	1183428	21806070	51.42%	9.201%
21	21.393	3112	3117	3124	PV 4	8831	137857	0.33%	0.058%
22	22.580	3312	3319	3330	PV 2	13479	254139	0.60%	0.107%
23	22.950	3369	3382	3403	PV 2	1934593	39732262	93.69%	16.765%
24	23.103	3403	3408	3421	VV 3	14424	359996	0.85%	0.152%
25	26.505	3981	3987	3994	VV 4	2876	60864	0.14%	0.026%
26	30.800	4704	4718	4760	PV 2	1336899	30576703	72.10%	12.902%
27	31.059	4760	4762	4778	VV 6	3318	104538	0.25%	0.044%
28	31.376	4806	4816	4832	PV 3	15625	378914	0.89%	0.160%
29	34.702	5366	5382	5422	BV	845222	20438152	48.19%	8.624%
30	34.943	5422	5423	5425	VV 2	2694	28261	0.07%	0.012%
31	34.966	5425	5427	5435	VV 5	2018	32586	0.08%	0.014%

Sum of corrected areas: 236990560

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051602\10897.D
Operator : Mclean
Acquired : 16 May 2002 9:52 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/10 eh
Misc Info :
Vial Number: 10
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051602\10897.D Vial: 10
Acq On : 16 May 2002 9:52 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

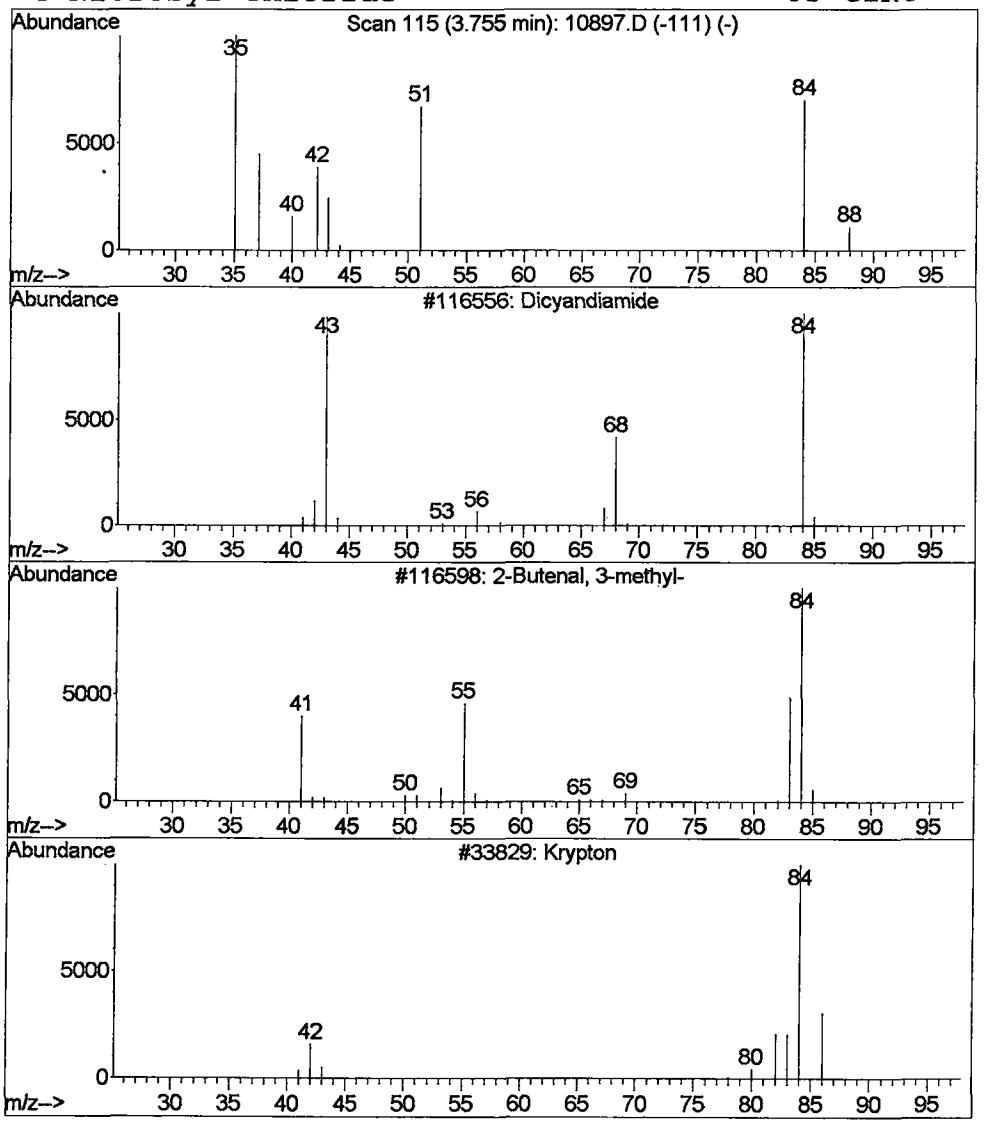
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

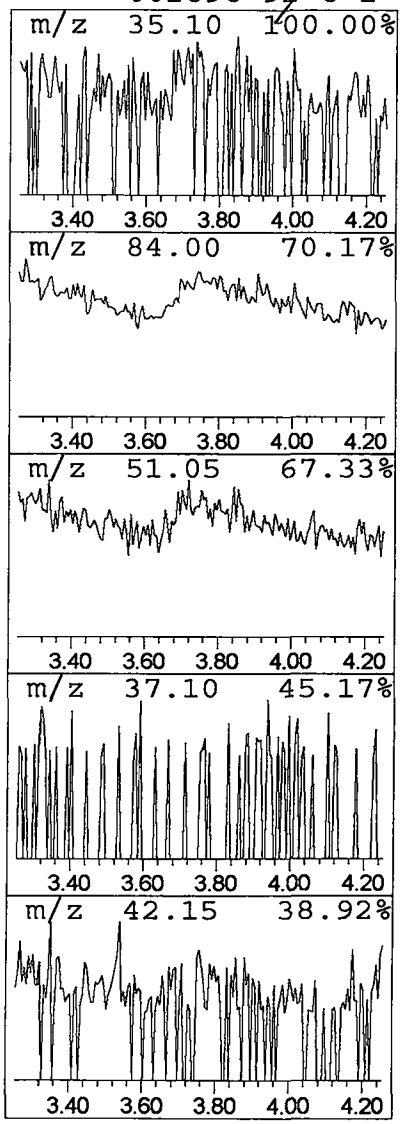
****

Peak Number 1 Dicyandiamide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	0.28 ug/L	203924	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyandiamide	84	C2H4N4	000461-58-5	4
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	2
3	Krypton	84	Kr	007439-90-9	2
4	Nitrosyl chloride	65	ClNO	002696-92-6	2





Data File : C:\MSDCHEM\1\DATA\051602\10897.D Vial: 10
Acq On : 16 May 2002 9:52 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

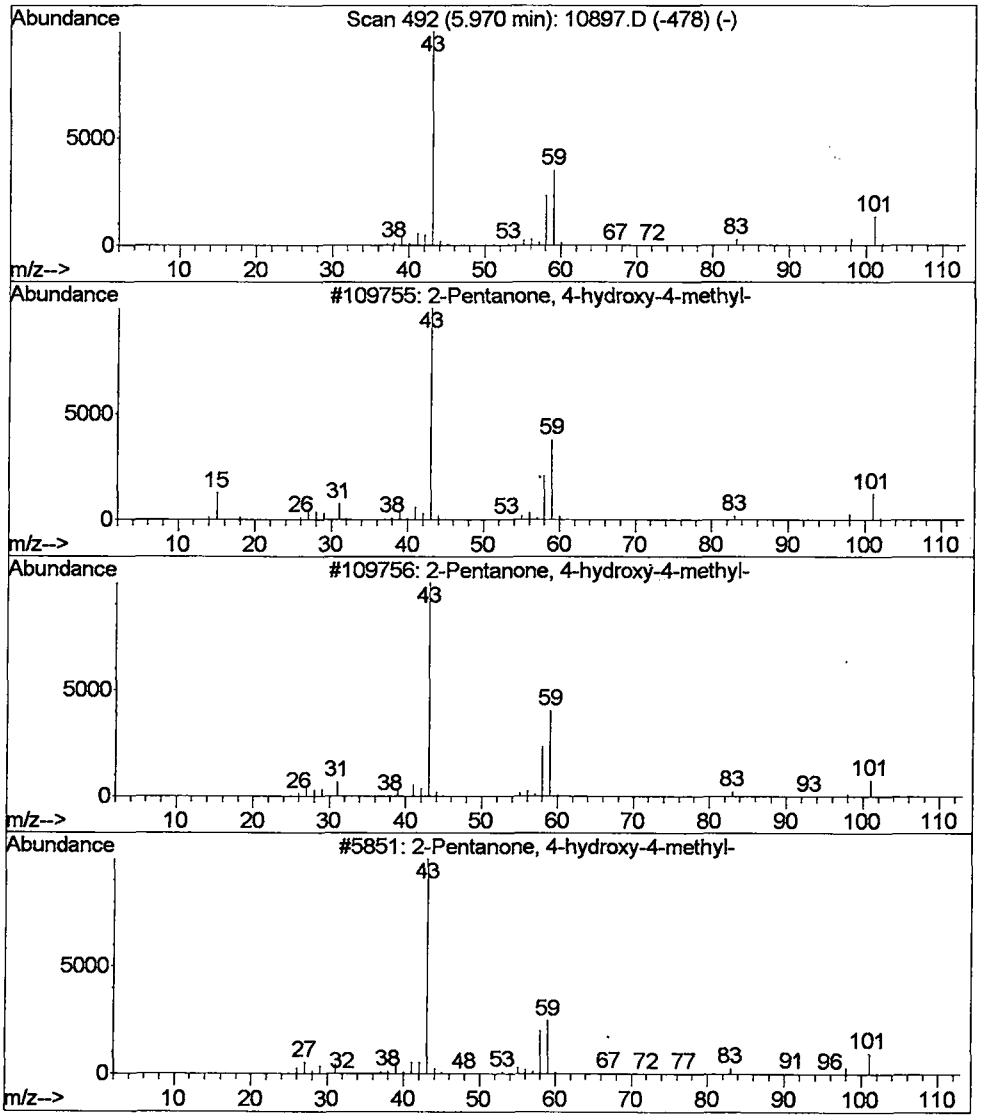
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

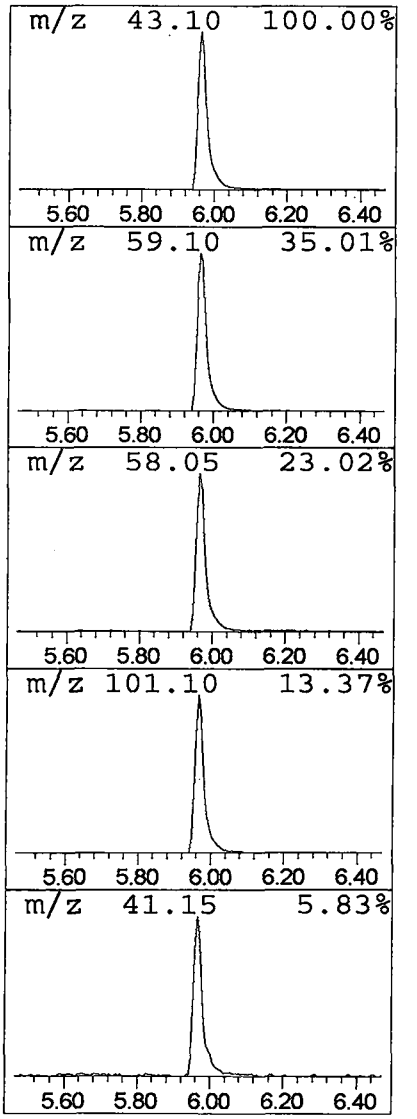
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	14.62 ug/L	10712700	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	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	38





Data File : C:\MSDCHEM\1\DATA\051602\10897.D Vial: 10
Acq On : 16 May 2002 9:52 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

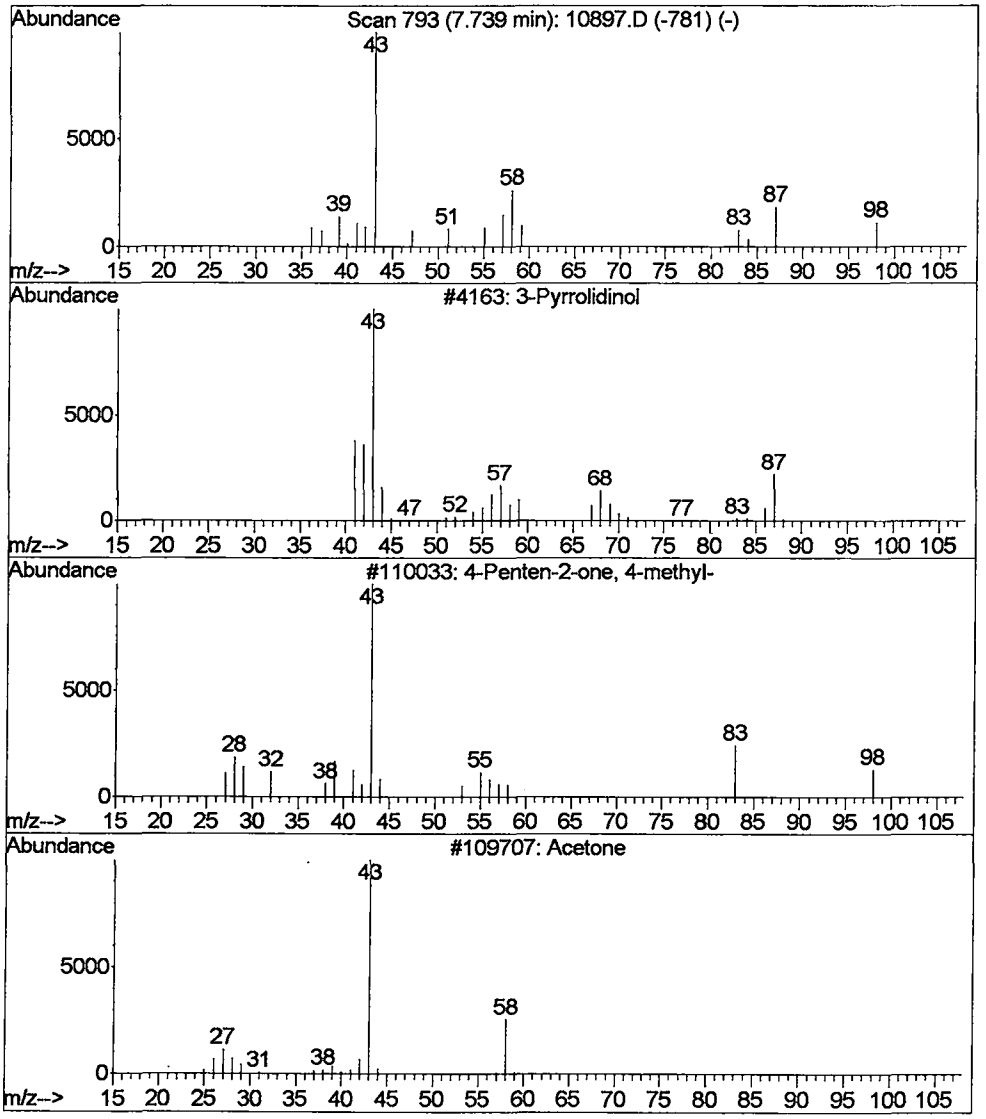
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

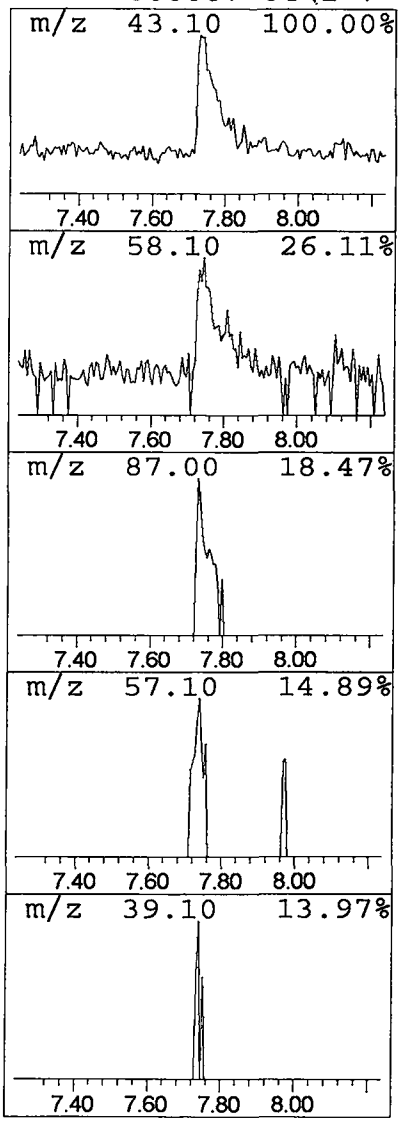
****

Peak Number 3 3-Pyrrolidinol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	0.23 ug/L	171020	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	37
2	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	17
3	Acetone	58	C3H6O	000067-64-1	7
4	Acetone	58	C3H6O	000067-64-1	7





Data File : C:\MSDCHEM\1\DATA\051602\10897.D Vial: 10
Acq On : 16 May 2002 9:52 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

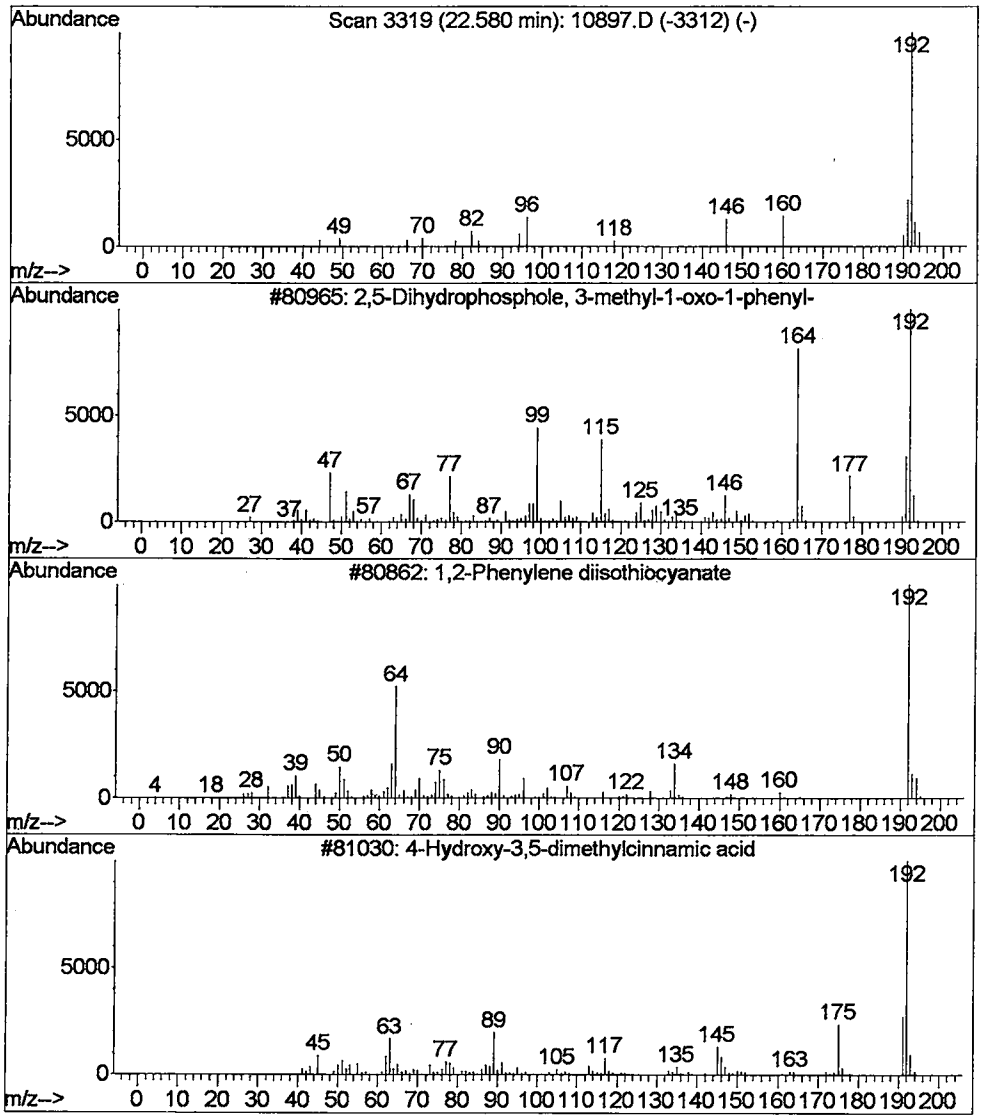
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

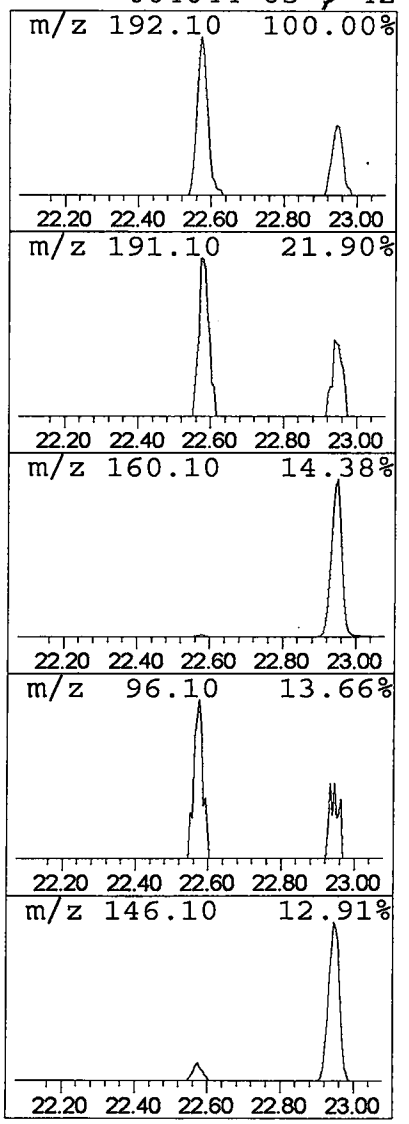
****

Peak Number 4 2,5-Dihydrophosphole, 3-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.26 ug/L	254139	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	59
2	1,2-Phenylene diisothiocyanate	192	C8H4N2S2	071105-17-4	50
3	4-Hydroxy-3,5-dimethylcinnamic acid	192	C11H12O3	1000132-15-8	45
4	Bitoscanate	192	C8H4N2S2	004044-65-9	42





Data File : C:\MSDCHEM\1\DATA\051602\10897.D Vial: 10
Acq On : 16 May 2002 9:52 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

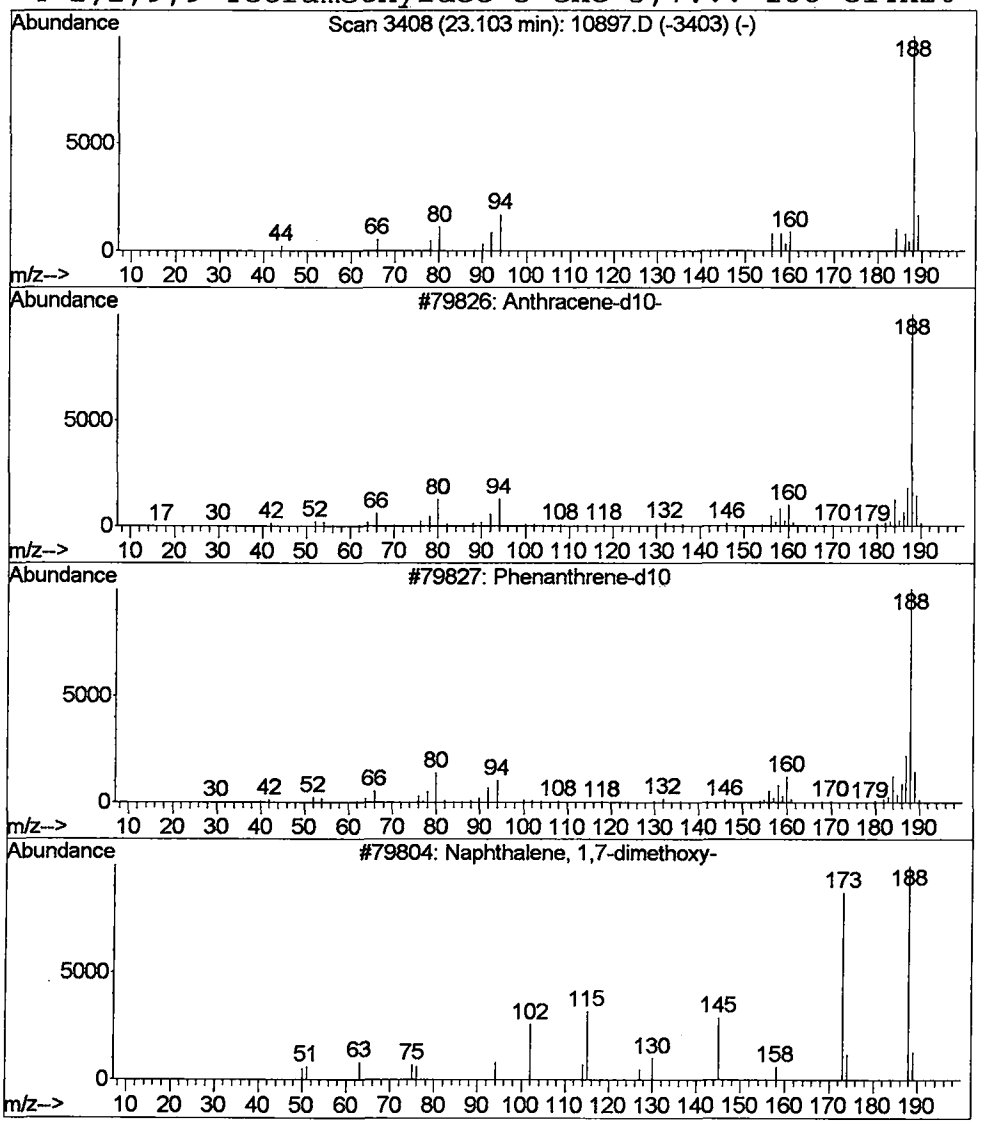
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

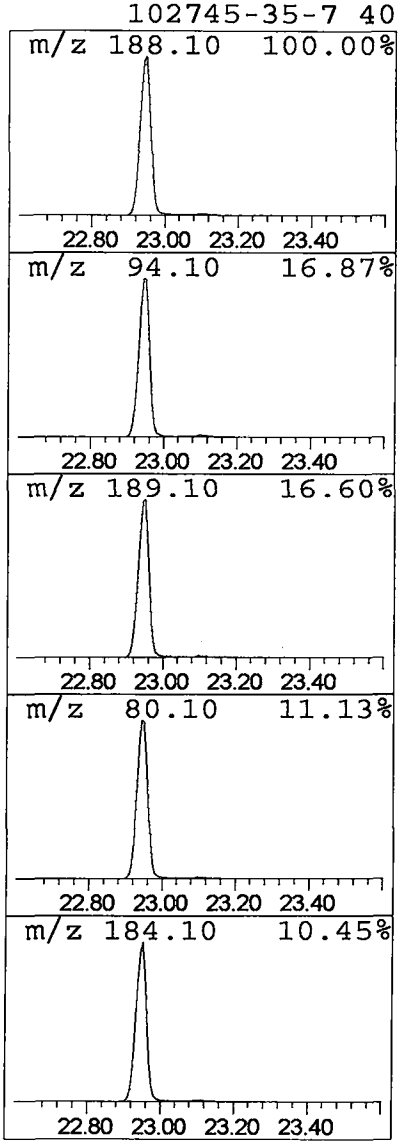
****

Peak Number 5 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	0.36 ug/L	359996	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	90
2	Phenanthrene-d10	188	C14D10	001517-22-2	87
3	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	40
4	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	40





Operator ID: Mclean Date Acquired: 16 May 2002 9:52 pm
Data File: C:\MSDCHEM\1\DATA\051602\10897.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
Dicyandiamide	3.76	0.3	ug/L	203924	1	9.93	29307700	40.0
2-Pentanone, 4-hy...	5.97	14.6	ug/L	10712700	1	9.93	29307700	40.0
3-Pyrrolidinol	7.74	0.2	ug/L	171020	1	9.93	29307700	40.0
2,5-Dihydrophosph...	22.58	0.3	ug/L	254139	4	22.95	39732300	40.0
Anthracene-d10-	23.10	0.4	ug/L	359996	4	22.95	39732300	40.0