User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/07/2002 Time: 12:21:44

Sample: AE12321
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/7/02 12:21 Ended: 6/7/02 12:21 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 AE12321 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-07-2002 Time: 12:22:11

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.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052902\12321.D Vial: 9
Acq On : 29 May 2002 4:36 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 03 09:39:19 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon Jun 03 09:35:31 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.90	152	4559475	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	18020929	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.53	164	9906602	40.00	ug/L	-0.01
29) Phenanthranene-d10	22.91	188	15236945	40.00	ug/L	-0.01
37) Chrysene-d12	30.76	240	9610945	40.00	ug/L	-0.05
43) Perylene-d12	34.65	264	5158295	40.00	ug/L	-0.03
System Monitoring Compounds						
27) TCMX	20.50	209	2123689	35.54	ug/L	0.00
Spiked Amount 40.000			Recovery = 88.85%			
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	20.10	149	21509	N.D.		
25) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.50	77	35891	N.D.		
30) Nnitrosodiphenylamine	20.50	169	40754	0.27	ug/L #	62
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	25.05	149	106425	N.D.		

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

Quantitation Report (QT Reviewed)

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Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
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Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon Jun 03 09:35:31 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

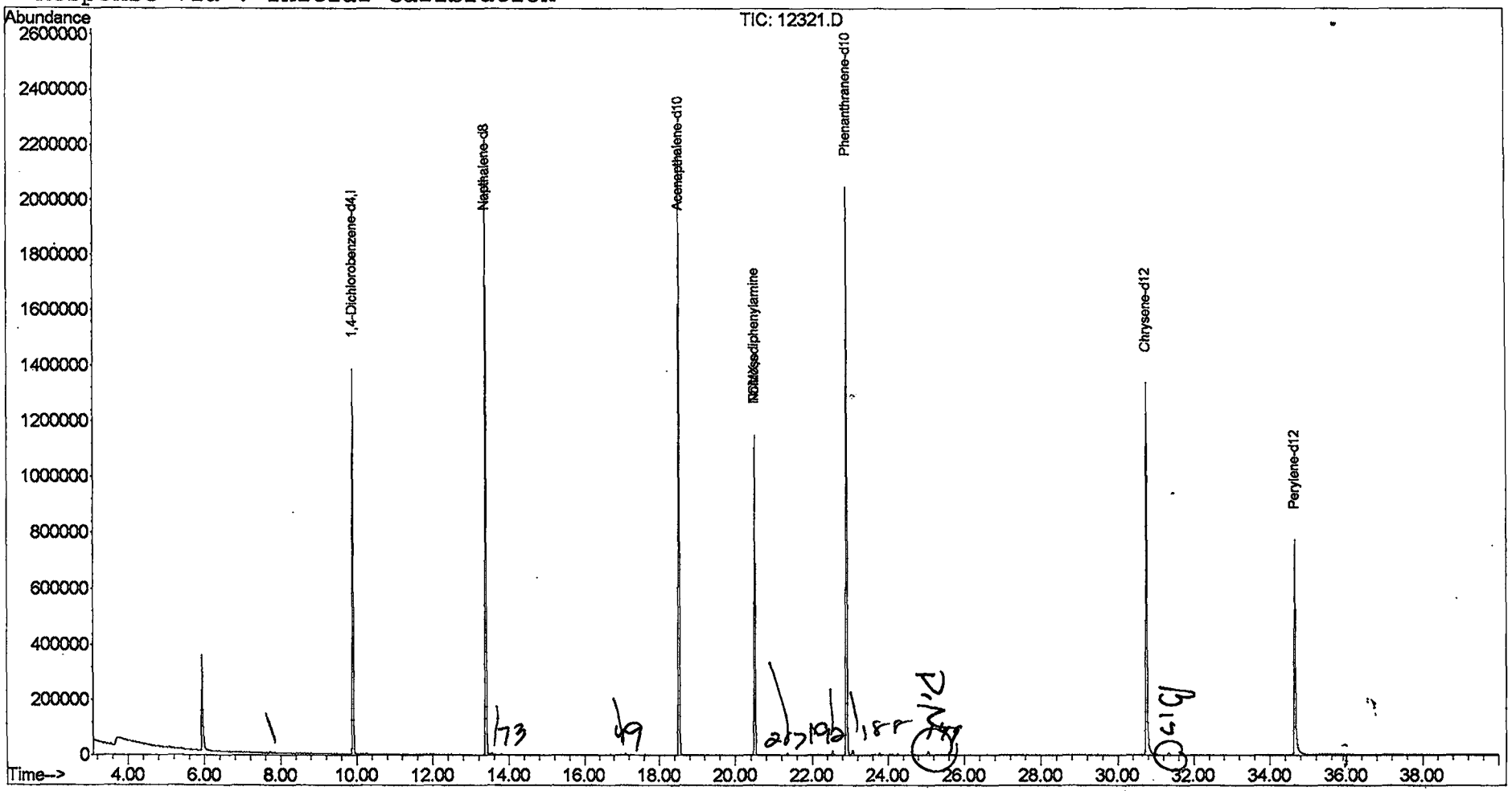
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	29.47	149	23776	N.D.	
40)	Benzo(a)anthracene	0.00	228	0	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.33	149	46362	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	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)

Data File : C:\MSDCHEM\1\DATA\052902\12321.D Vial: 9
Acq On : 29 May 2002 4:36 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 3 9:39 2002 Quant Results File: 052202.RES

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 29 08:47:01 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052902\12321.D Vial: 9
Acq On : 29 May 2002 4:36 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

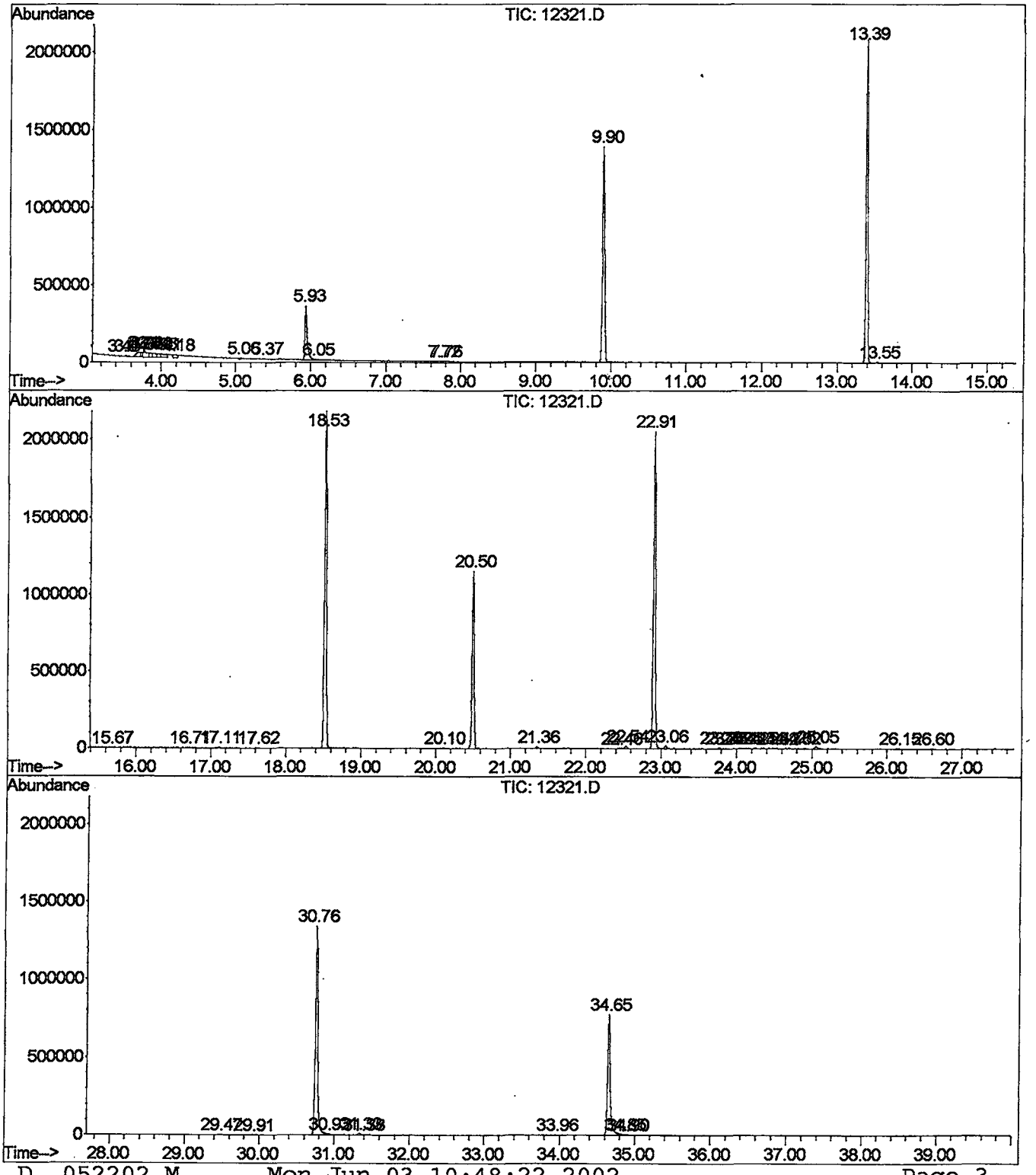
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.455	62	64	74	PV 5	1983	40581	0.10%	0.017%
2	3.537	74	78	90	VV 9	5141	129630	0.31%	0.056%
3	3.714	90	108	110	PV 3	30426	1120072	2.71%	0.480%
4	3.737	110	112	115	VV 3	31141	508815	1.23%	0.218%
5	3.761	115	116	129	VV 3	29229	1400224	3.39%	0.600%
6	3.843	129	130	136	VV 5	27545	700935	1.70%	0.300%
7	3.890	136	138	146	VV 7	24848	853898	2.07%	0.366%
8	3.949	146	148	155	VV 6	22957	700810	1.70%	0.300%
9	4.007	155	158	171	VV 7	22303	1129244	2.74%	0.484%
10	4.184	184	188	194	VV 6	18048	597068	1.45%	0.256%
11	5.053	333	336	340	VV 5	6071	112677	0.27%	0.048%
12	5.371	385	390	397	VV 7	4509	139449	0.34%	0.060%
13	5.929	478	485	505	PV	342489	7261721	17.59%	3.112%
14	6.052	505	506	516	VV 7	3596	85403	0.21%	0.037%
15	7.721	785	790	794	PV 6	3638	68729	0.17%	0.029%
16	7.756	794	796	800	VV 4	2074	26755	0.06%	0.011%
17	9.895	1152	1160	1181	PV	1363923	27304979	66.13%	11.703%
18	13.391	1744	1755	1773	PV	2032160	36684020	88.85%	15.723%
19	13.549	1776	1782	1789	VV 2	5663	92431	0.22%	0.040%
20	15.665	2135	2142	2145	PV 5	1296	22780	0.06%	0.010%
21	16.705	2314	2319	2326	VV 2	2998	49523	0.12%	0.021%
22	17.110	2382	2388	2395	VV 5	5980	90973	0.22%	0.039%
23	17.621	2469	2475	2481	BV 3	3175	48434	0.12%	0.021%
24	18.526	2617	2629	2651	PV	2152255	40770307	98.75%	17.474%
25	20.101	2890	2897	2904	VV 2	2963	50086	0.12%	0.021%
26	20.506	2953	2966	2975	PV	1134313	21187144	51.32%	9.081%
27	21.358	3105	3111	3117	VV 2	8558	133909	0.32%	0.057%
28	22.463	3287	3299	3304	VV 6	1802	42414	0.10%	0.018%
29	22.533	3304	3311	3320	VV 2	15375	279815	0.68%	0.120%
30	22.909	3364	3375	3394	PV 2	2032983	41287807	100.00%	17.696%
31	23.062	3394	3401	3417	VV	17171	348792	0.84%	0.149%
32	23.779	3511	3523	3529	PV 2	6089	103849	0.25%	0.045%
33	23.849	3529	3535	3540	VV 4	2361	46254	0.11%	0.020%
34	24.049	3557	3569	3574	VV 4	3336	64142	0.16%	0.027%
35	24.114	3574	3580	3586	VV 4	3787	73465	0.18%	0.031%
36	24.255	3594	3604	3609	VV 4	4700	94202	0.23%	0.040%
37	24.337	3612	3618	3628	VV 7	2212	59259	0.14%	0.025%

38	24.519	3637	3649	3658	VV	4	2209	84230	0.20%	0.036%
39	24.695	3675	3679	3687	VV	6	3964	69133	0.17%	0.030%
40	24.813	3697	3699	3704	VV	3	2139	24610	0.06%	0.011%
41	25.054	3721	3740	3760	BV	3	13975	312681	0.76%	0.134%
42	26.152	3918	3927	3933	VV	4	2697	51526	0.12%	0.022%
43	26.593	3998	4002	4009	PV	5	3162	49900	0.12%	0.021%
44	29.472	4487	4492	4505	VV	3	3649	70039	0.17%	0.030%
45	29.913	4564	4567	4570	PV	3	1118	9664	0.02%	0.004%
46	30.759	4700	4711	4737	VV	2	1330978	29531529	71.53%	12.657%
47	30.918	4737	4738	4747	VV	5	5388	131491	0.32%	0.056%
48	31.335	4799	4809	4815	PV	3	8640	179442	0.43%	0.077%
49	31.376	4815	4816	4820	VV	3	1603	17179	0.04%	0.007%
50	33.955	5239	5255	5259	PV	6	1722	48188	0.12%	0.021%
51	34.654	5363	5374	5406	PV		768990	18873551	45.71%	8.089%
52	34.848	5406	5407	5412	VV	3	4547	78528	0.19%	0.034%
53	34.895	5412	5415	5428	VV	6	2902	78222	0.19%	0.034%

Sum of corrected areas: 233320512

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052902\12321.D
Operator : McLean
Acquired : 29 May 2002 4:36 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: gc/ms scan 5/24
Misc Info :
Vial Number: 9
Quant File :052202.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052902\12321.D
Acq On : 29 May 2002 4:36 pm
Sample : gc/ms scan 5/24
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

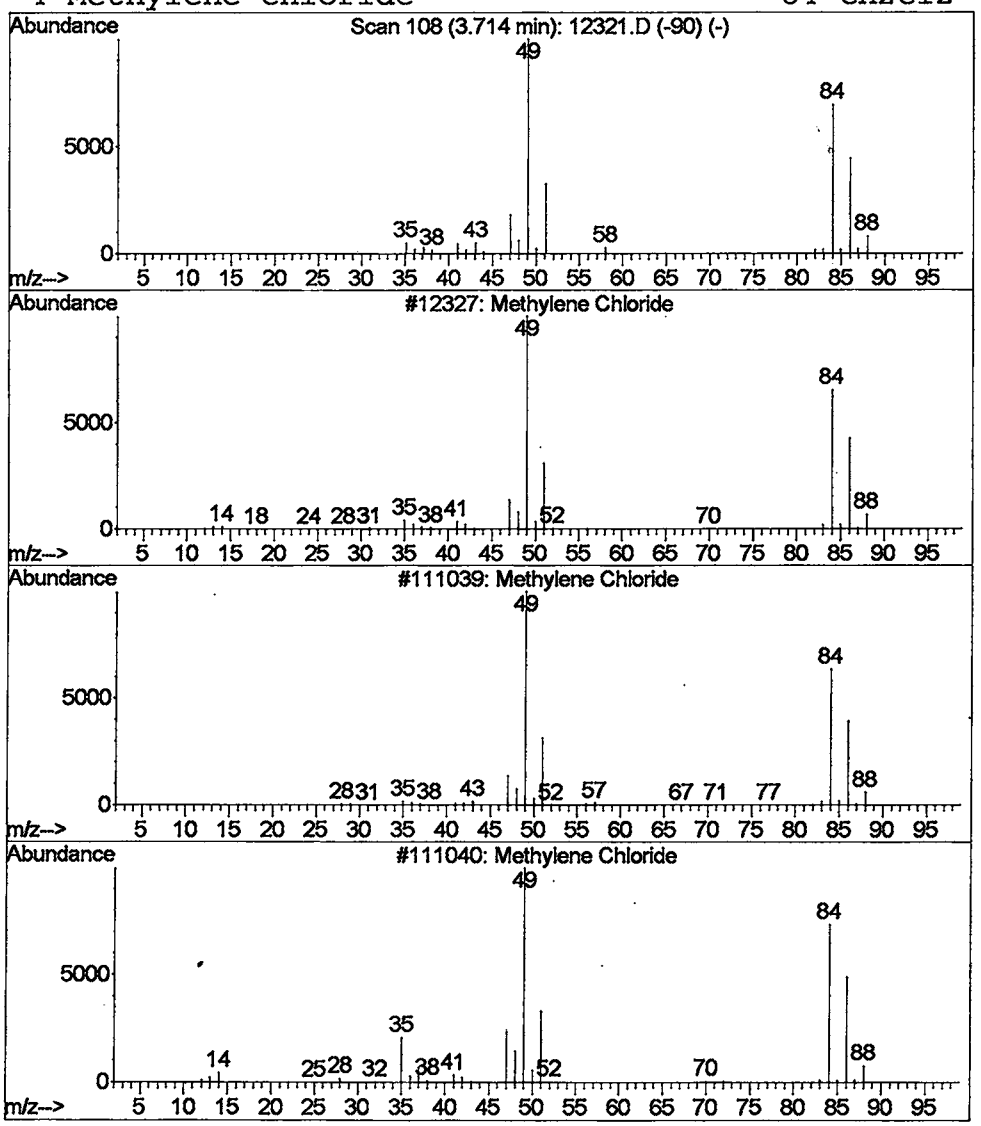
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

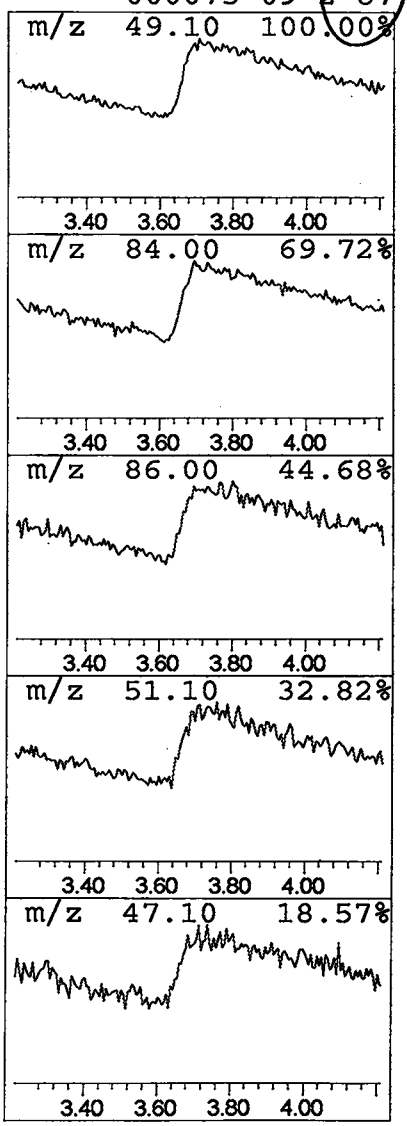
****

Peak Number 1 Methylene Chloride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	1.64 ug/L	1120070	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	95
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	90
4	Methylene Chloride	84	CH2Cl2	000075-09-2	87





Data File : C:\MSDCHEM\1\DATA\052902\12321.D Vial: 9
Acq On : 29 May 2002 4:36 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

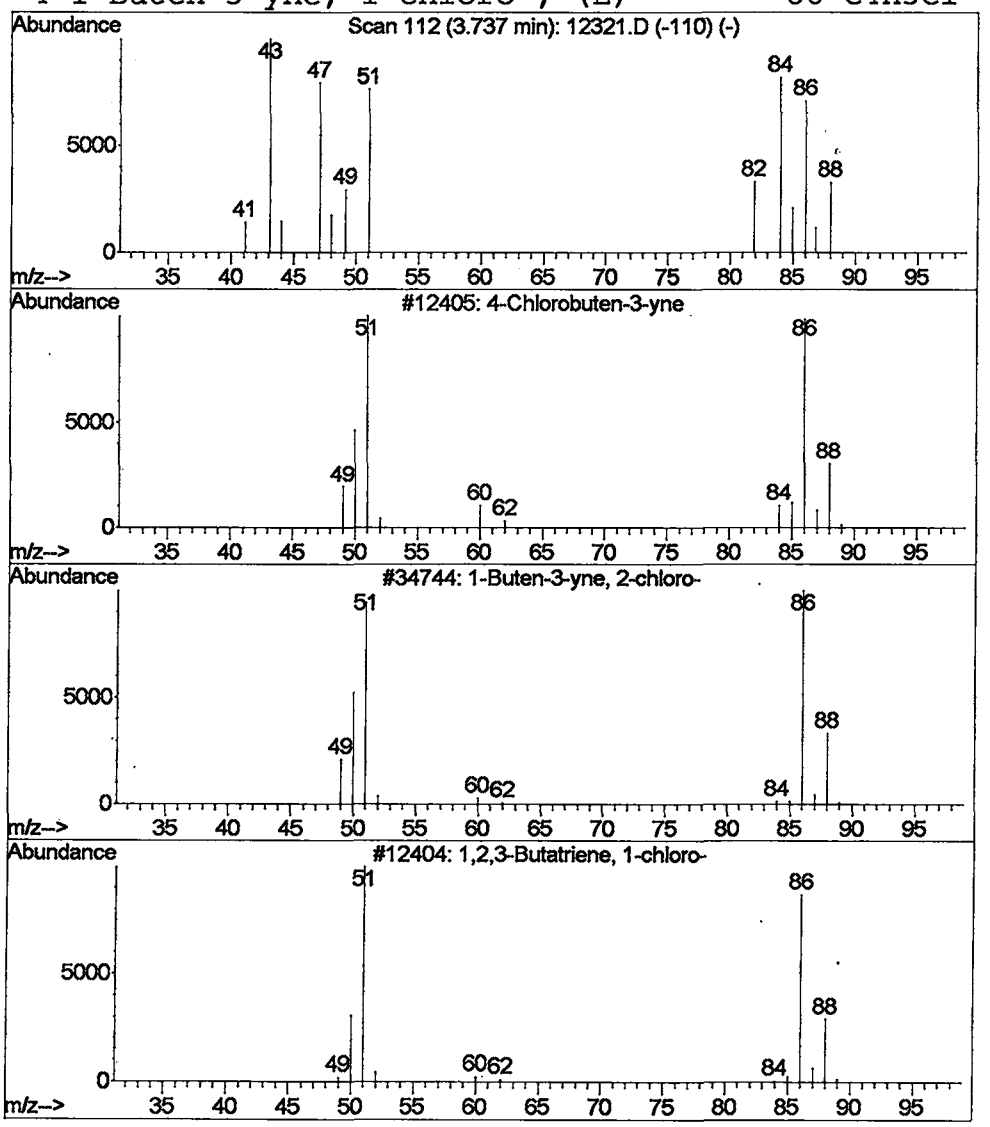
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

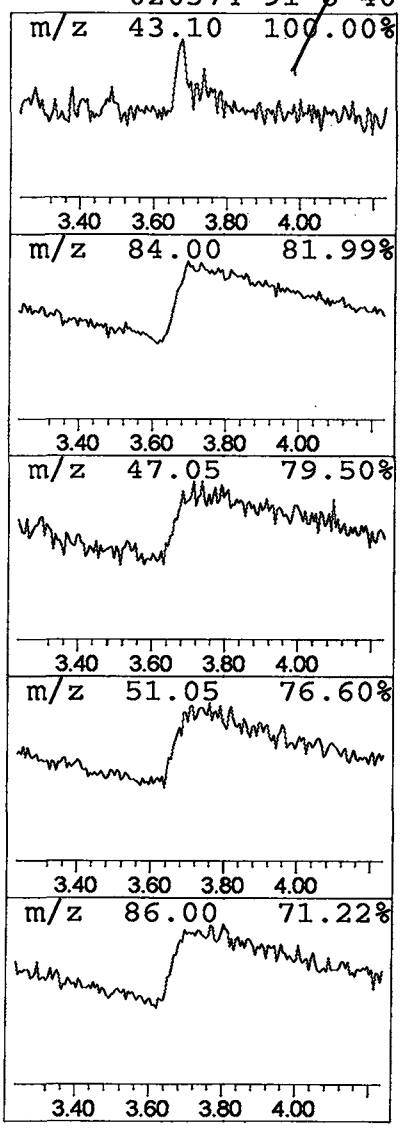
****

Peak Number 2 4-Chlorobuten-3-yne Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	0.75 ug/L	508815	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chlorobuten-3-yne	86	C4H3Cl	040589-38-6	53
2	1-Buten-3-yne, 2-chloro-	86	C4H3Cl	017712-36-6	42
3	1,2,3-Butatriene, 1-chloro-	86	C4H3Cl	020658-21-3	40
4	1-Buten-3-yne, 1-chloro-, (E)-	86	C4H3Cl	020374-91-8	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052902\12321.D
Acq On : 29 May 2002 4:36 pm
Sample : gc/ms scan 5/24
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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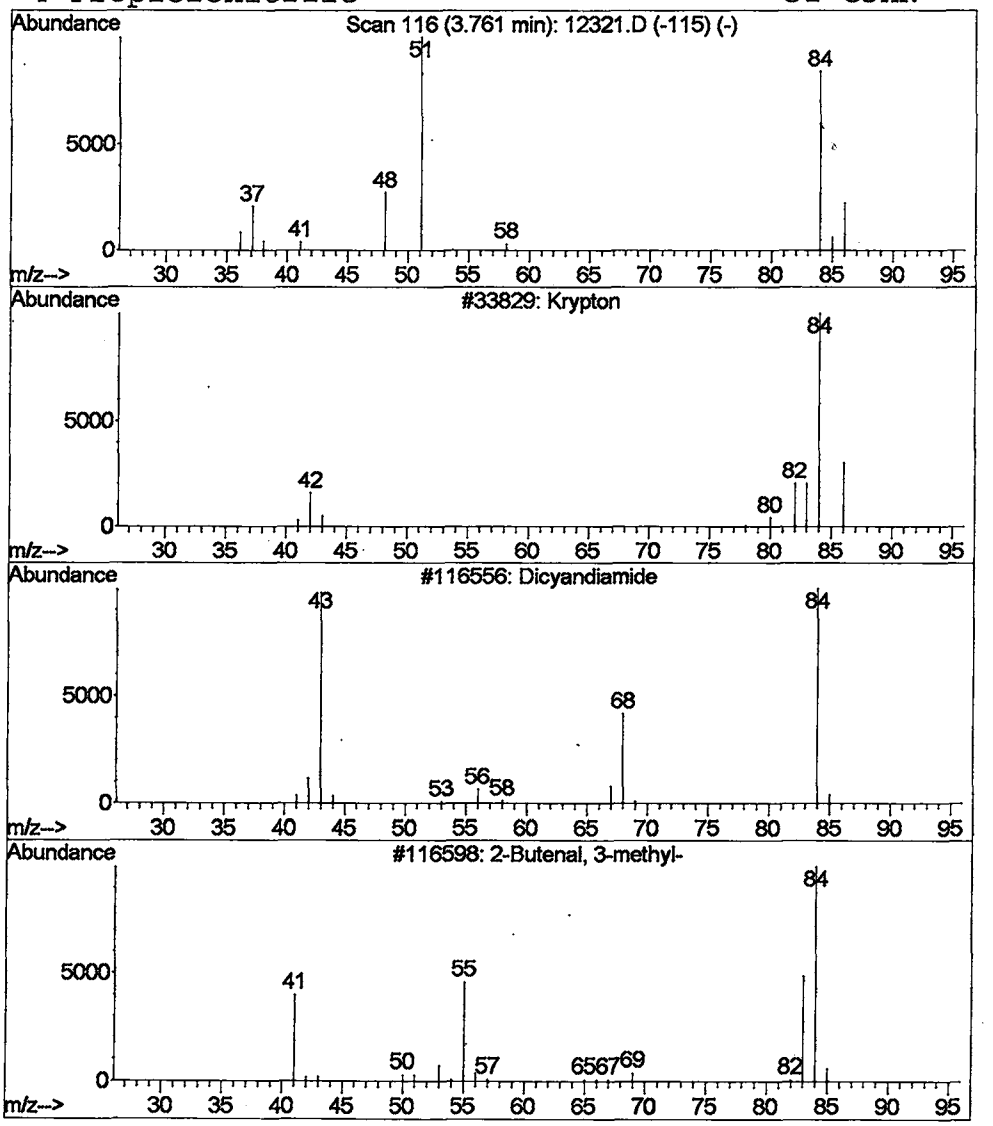
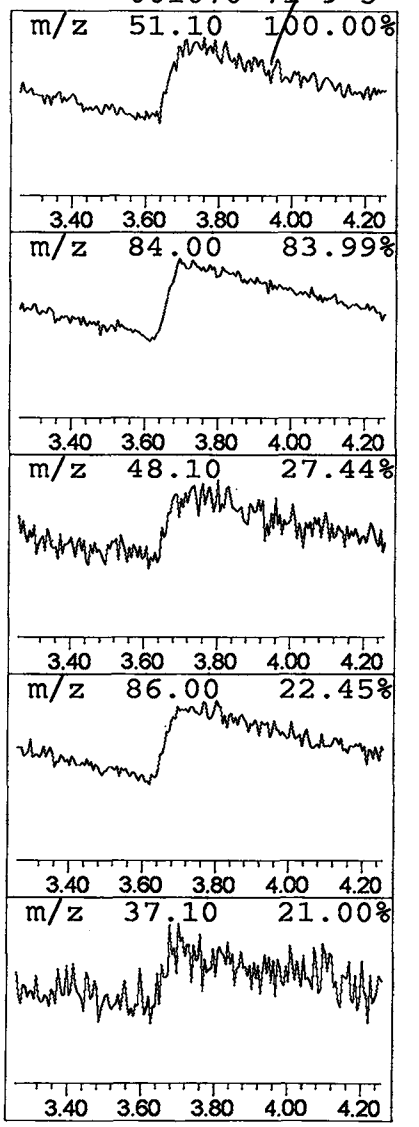
Peak Number 3 Krypton — Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	2.05 ug/L	1400220	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Krypton	84	Kr	007439-90-9	7
2	Dicyandiamide	84	C2H4N4	000461-58-5	5
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	4
4	Propiolonitrile	51	C3HN	001070-71-9	3





Data File : C:\MSDCHEM\1\DATA\052902\12321.D Vial: 9
Acq On : 29 May 2002 4:36 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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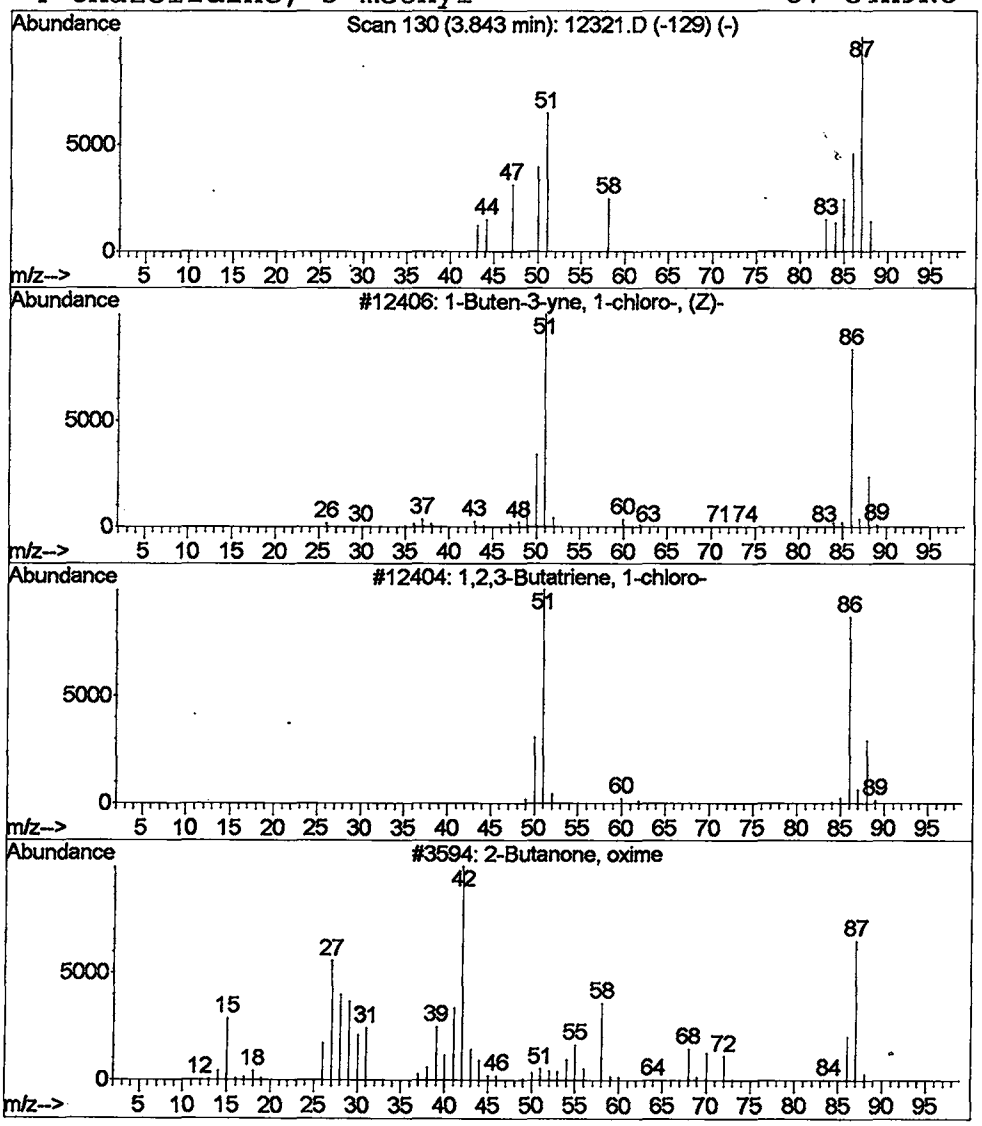
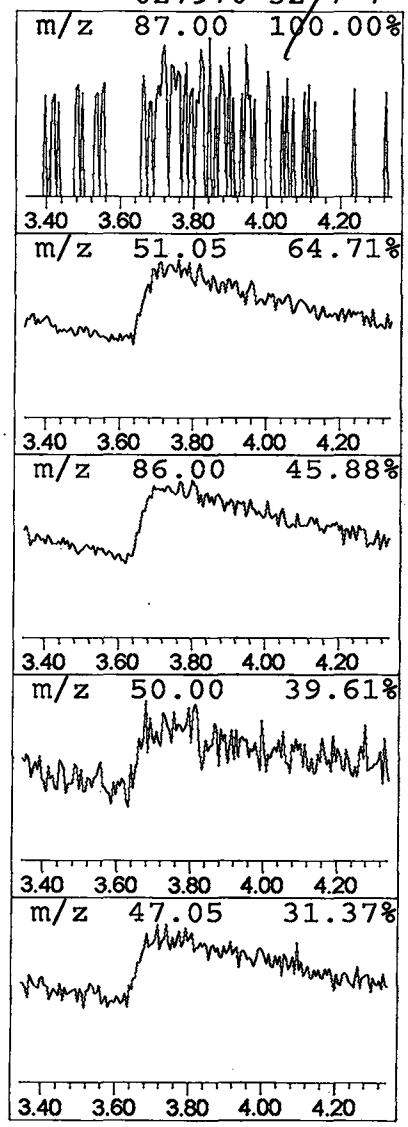
Peak Number 4 1-Buten-3-yne, 1-chloro-, (Z)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.84	1.03 ug/L	700935	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Buten-3-yne, 1-chloro-, (Z)-	86	C4H3Cl	020374-90-7	10
2	1,2,3-Butatriene, 1-chloro-	86	C4H3Cl	020658-21-3	9
3	2-Butanone, oxime	87	C4H9NO	000096-29-7	9
4	Oxazolidine, 3-methyl-	87	C4H9NO	027970-32-7	7





Data File : C:\MSDCHEM\1\DATA\052902\12321.D Vial: 9
Acq On : 29 May 2002 4:36 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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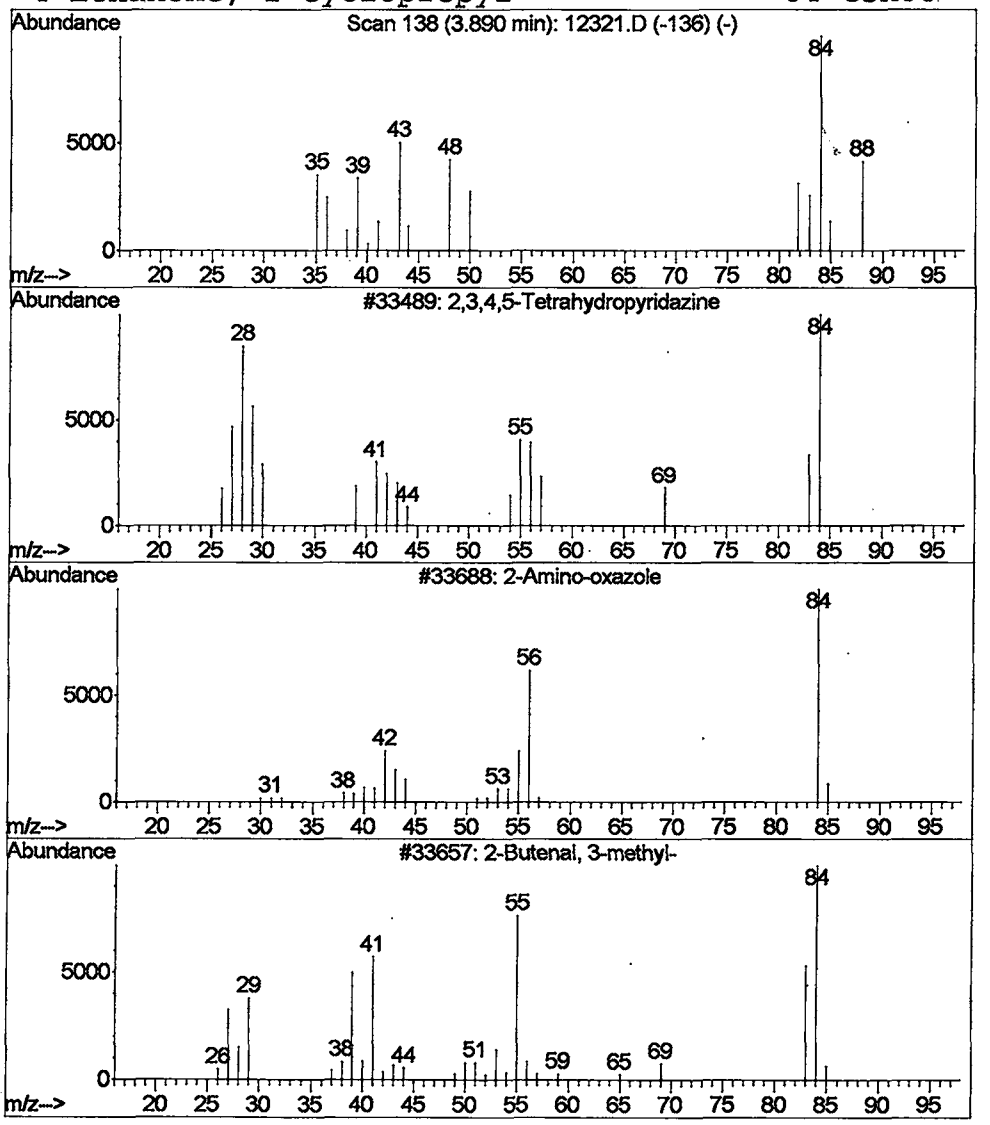
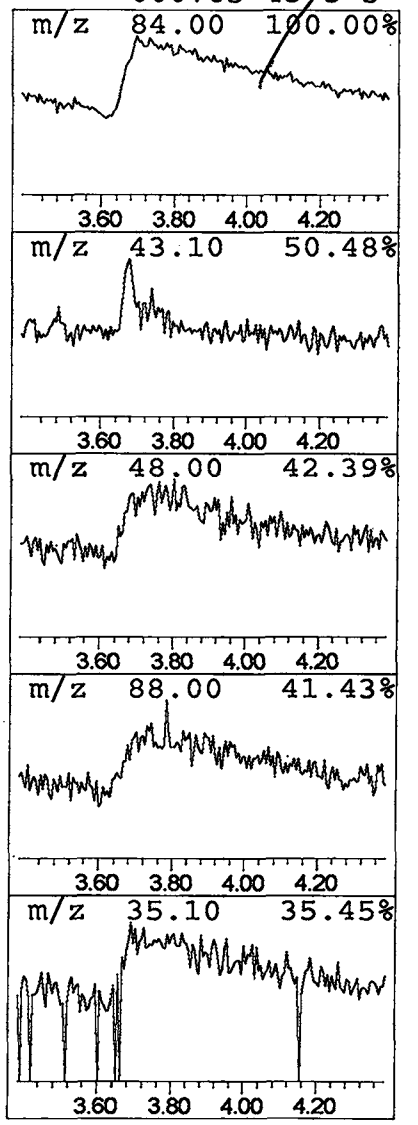
Peak Number 5 2,3,4,5-Tetrahydropyridazine Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	1.25 ug/L	853898	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	7
2	2-Amino-oxazole	84	C3H4N2O	1000144-64-0	5
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	5
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	5





Data File : C:\MSDCHEM\1\DATA\052902\12321.D Vial: 9
Acq On : 29 May 2002 4:36 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

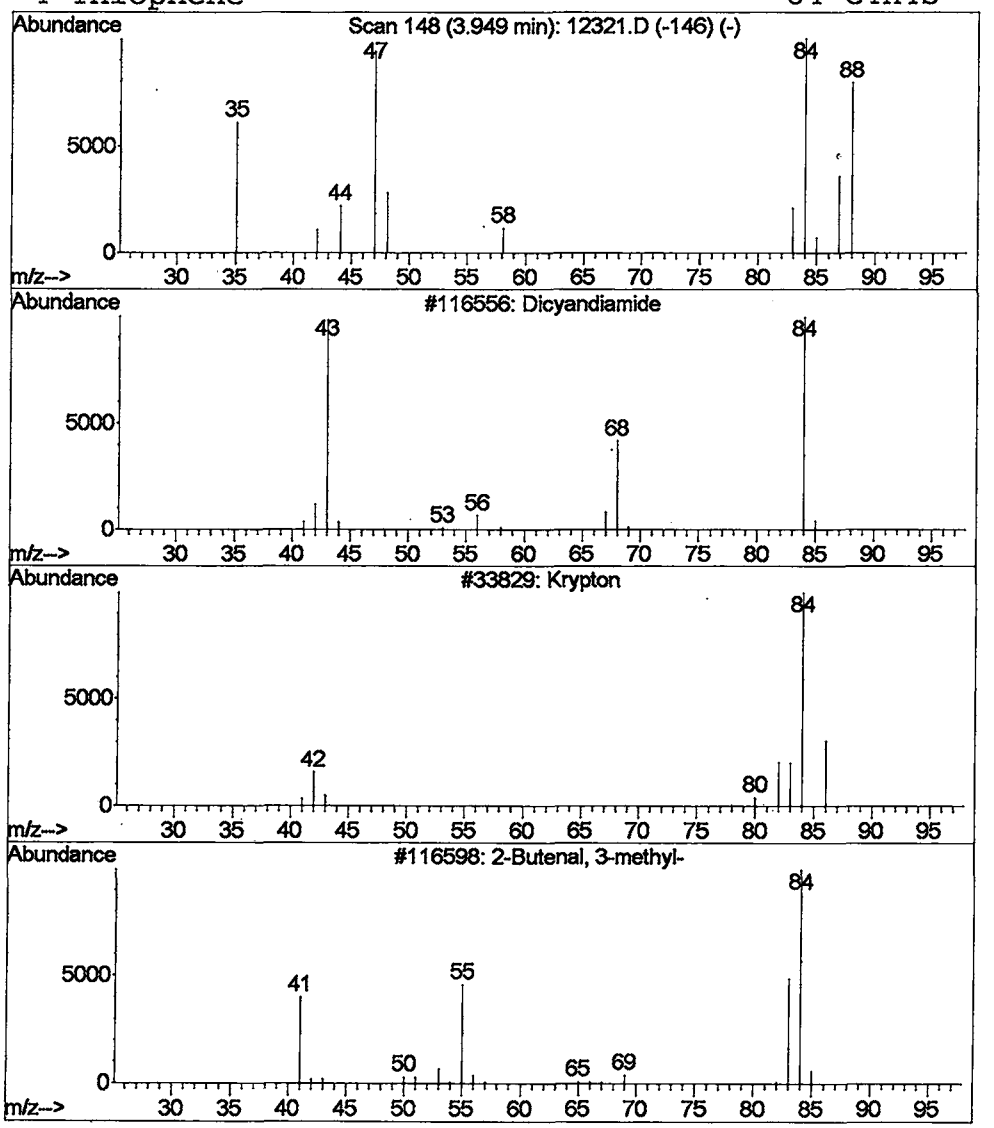
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

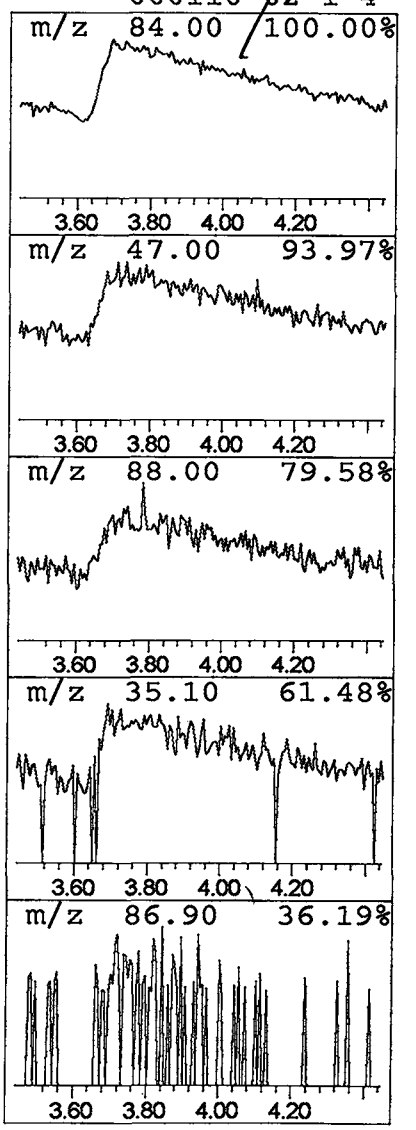
****

Peak Number 6 Dicyandiamide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.95	1.03 ug/L	700810	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyandiamide	84	C2H4N4	000461-58-5	7
2	Krypton	84	Kr	007439-90-9	4
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	4
4	Thiophene	84	C4H4S	000110-02-1	4





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Acq On : 29 May 2002 4:36 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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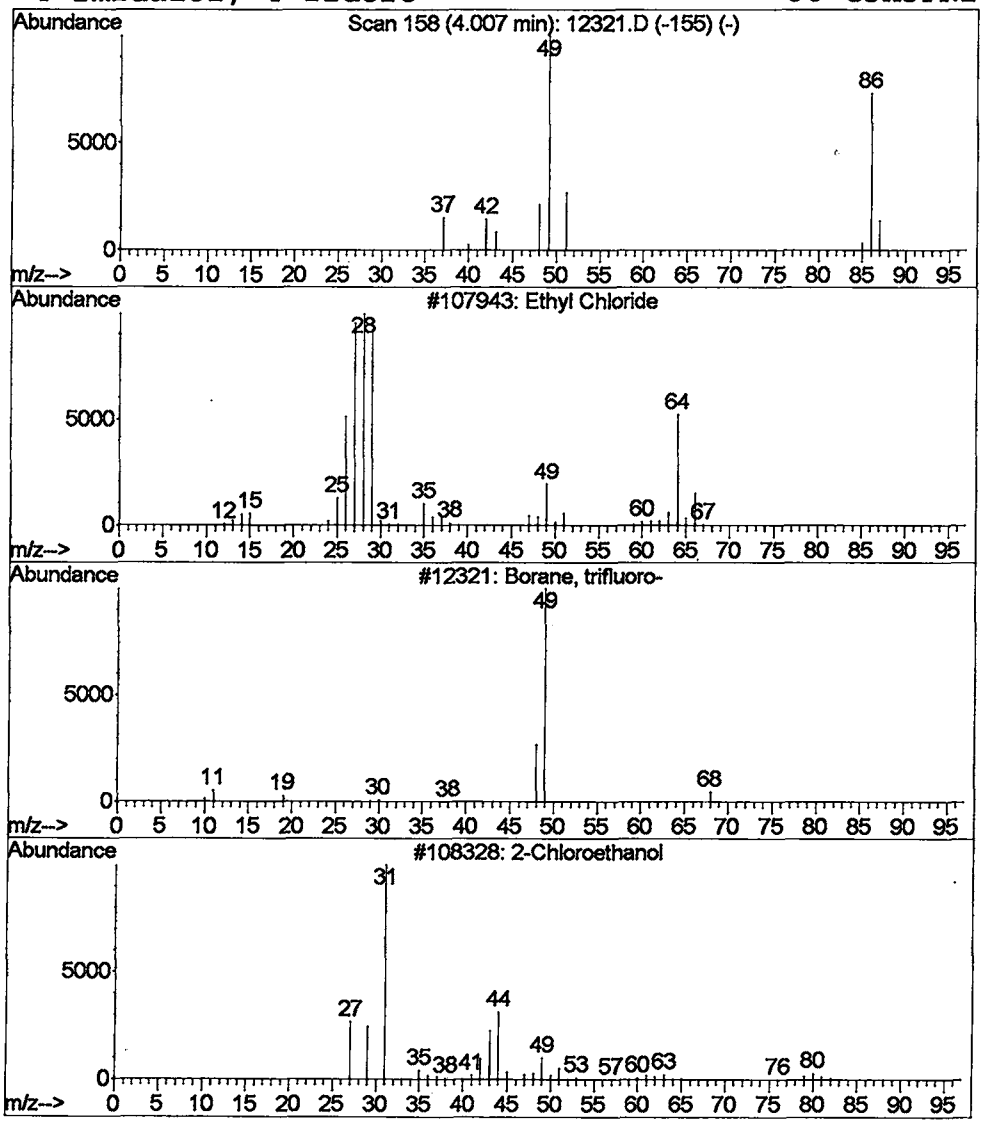
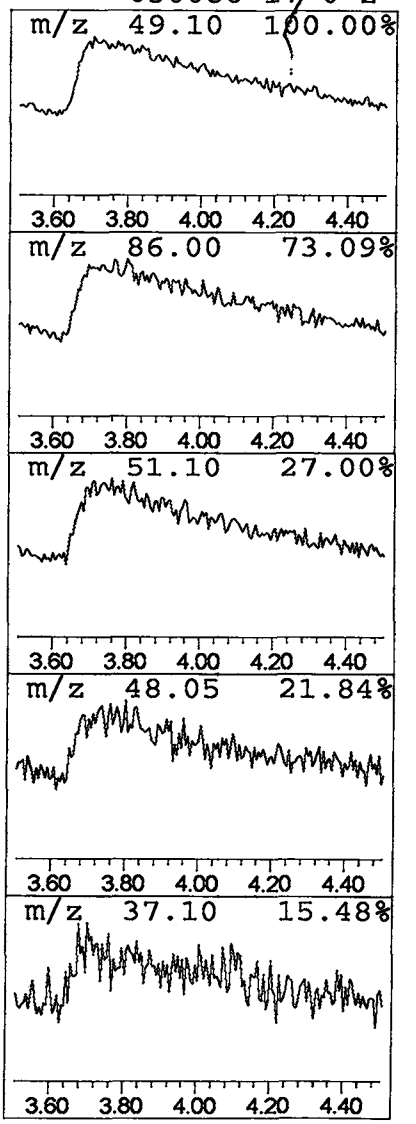
Peak Number 7 Ethyl Chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	1.65 ug/L	1129240	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
2	Borane, trifluoro-	68	BF3	007637-07-2	2
3	2-Chloroethanol	80	C2H5ClO	000107-07-3	2
4	Imidazol, 4-fluoro-	86	C3H3FN2	030086-17-0	2





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Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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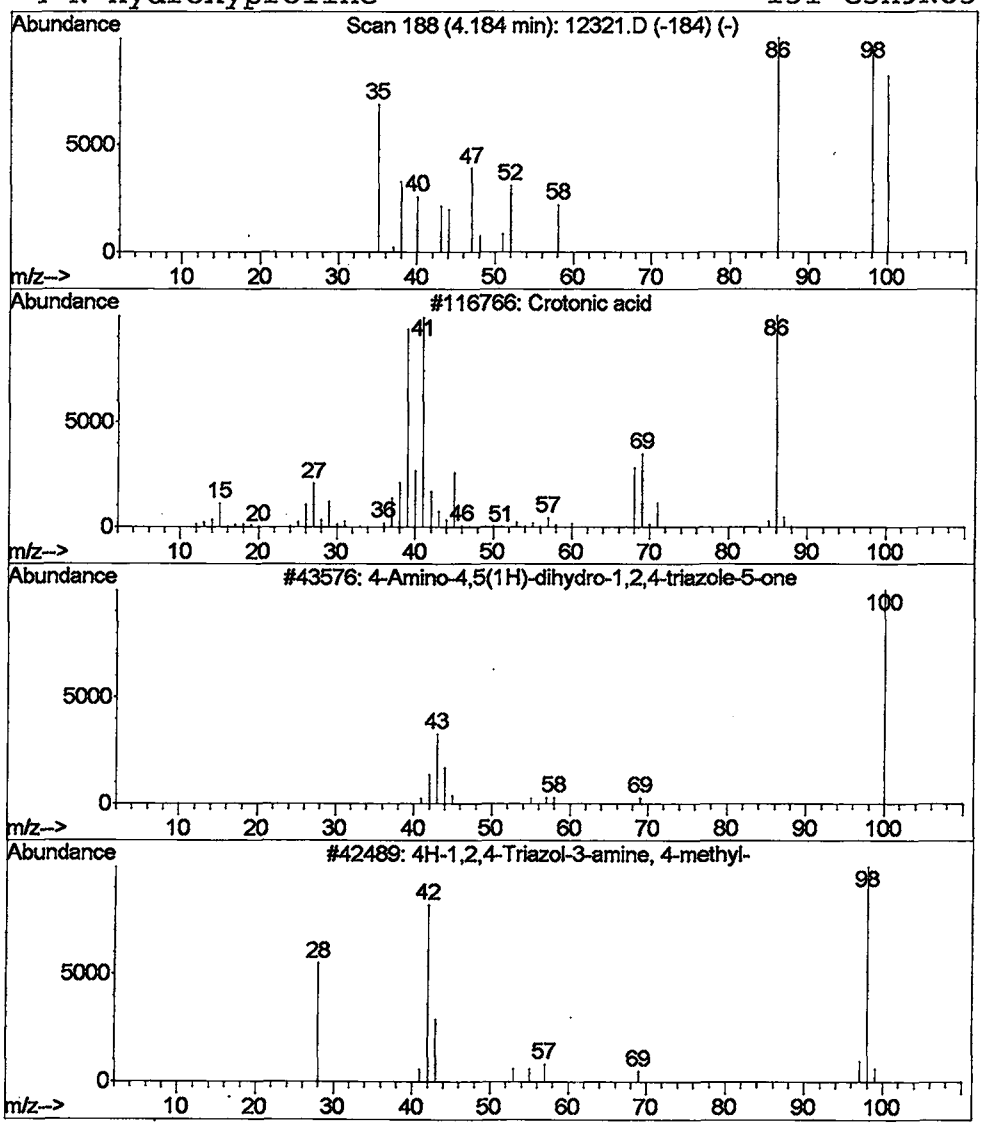
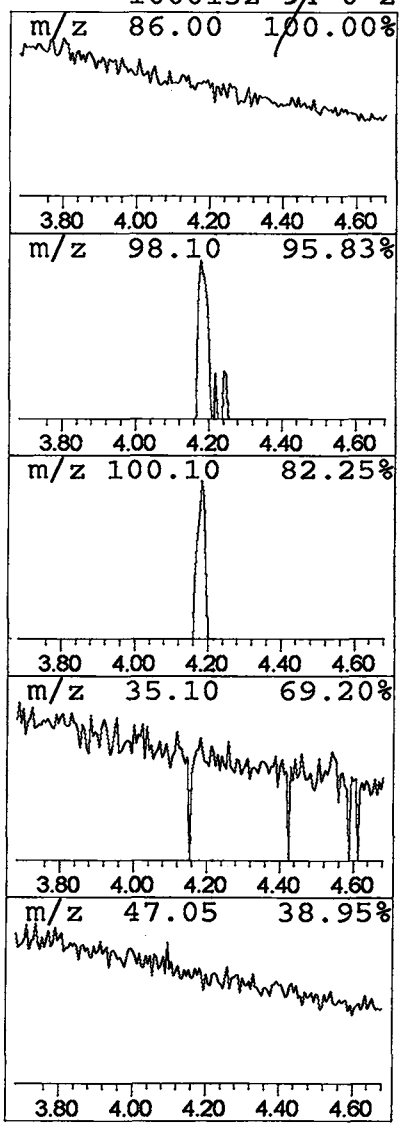
Peak Number 8 Crotonic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.18	0.87 ug/L	597068	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Crotonic acid	86	C4H6O2	003724-65-0	4
2	4-Amino-4,5(1H)-dihydro-1,2,4-tr...	100	C2H4N4O	1000145-15-6	4
3	4H-1,2,4-Triazol-3-amine, 4-methyl-	98	C3H6N4	016681-76-8	4
4	N-Hydroxyproline	131	C5H9NO3	1000132-94-0	2





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Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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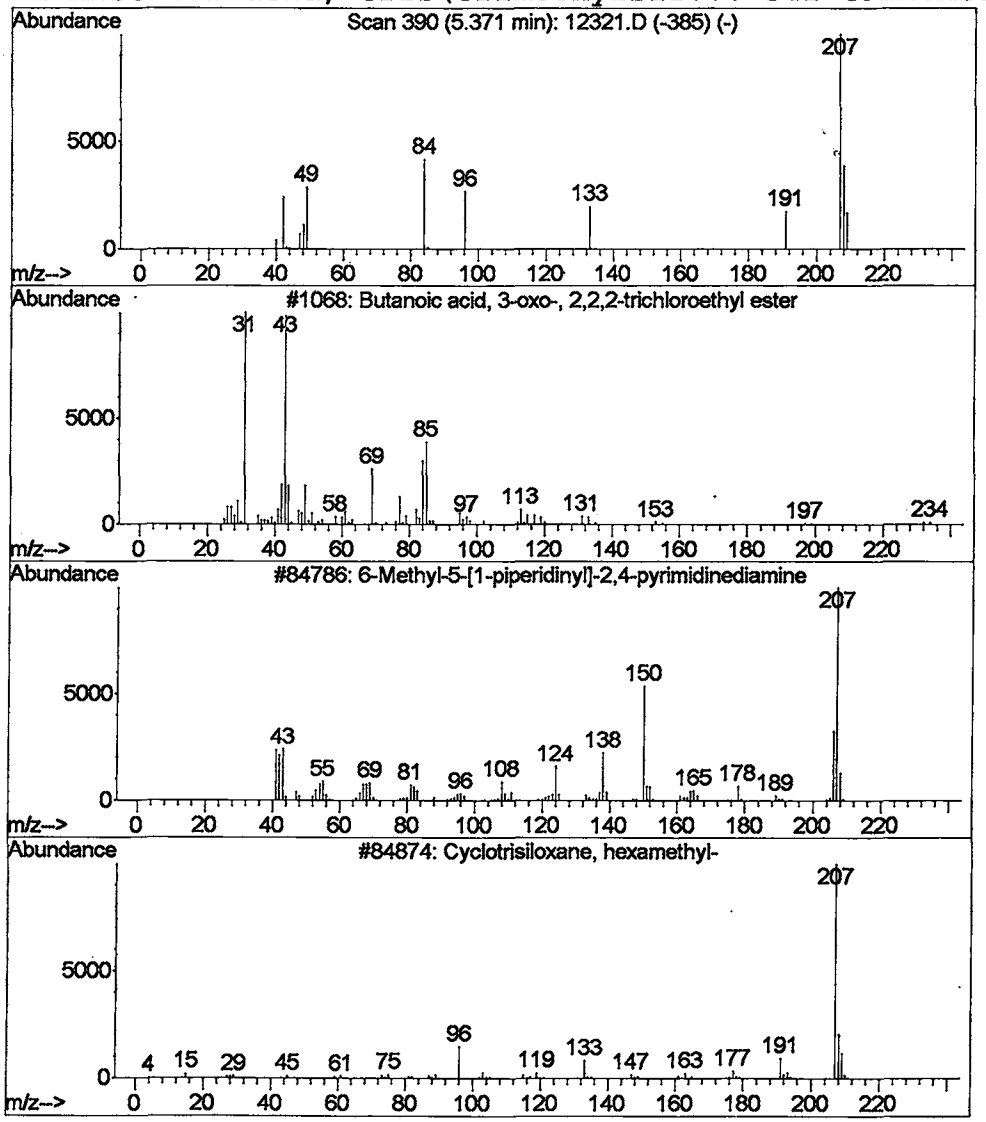
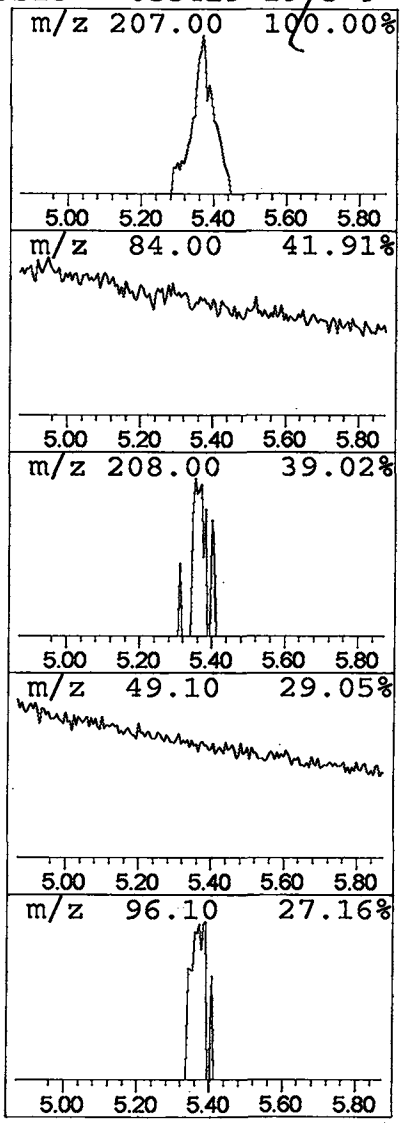
Peak Number 9 Butanoic acid, 3-oxo-, 2,2,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	0.20 ug/L	139449	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-oxo-, 2,2,2-tri...	232	C6H7Cl3O3	058547-15-2	25
2	6-Methyl-5-[1-piperidinyl]-2,4-p...	207	C10H17N5	1000212-53-0	9
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	9
4	Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	9





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MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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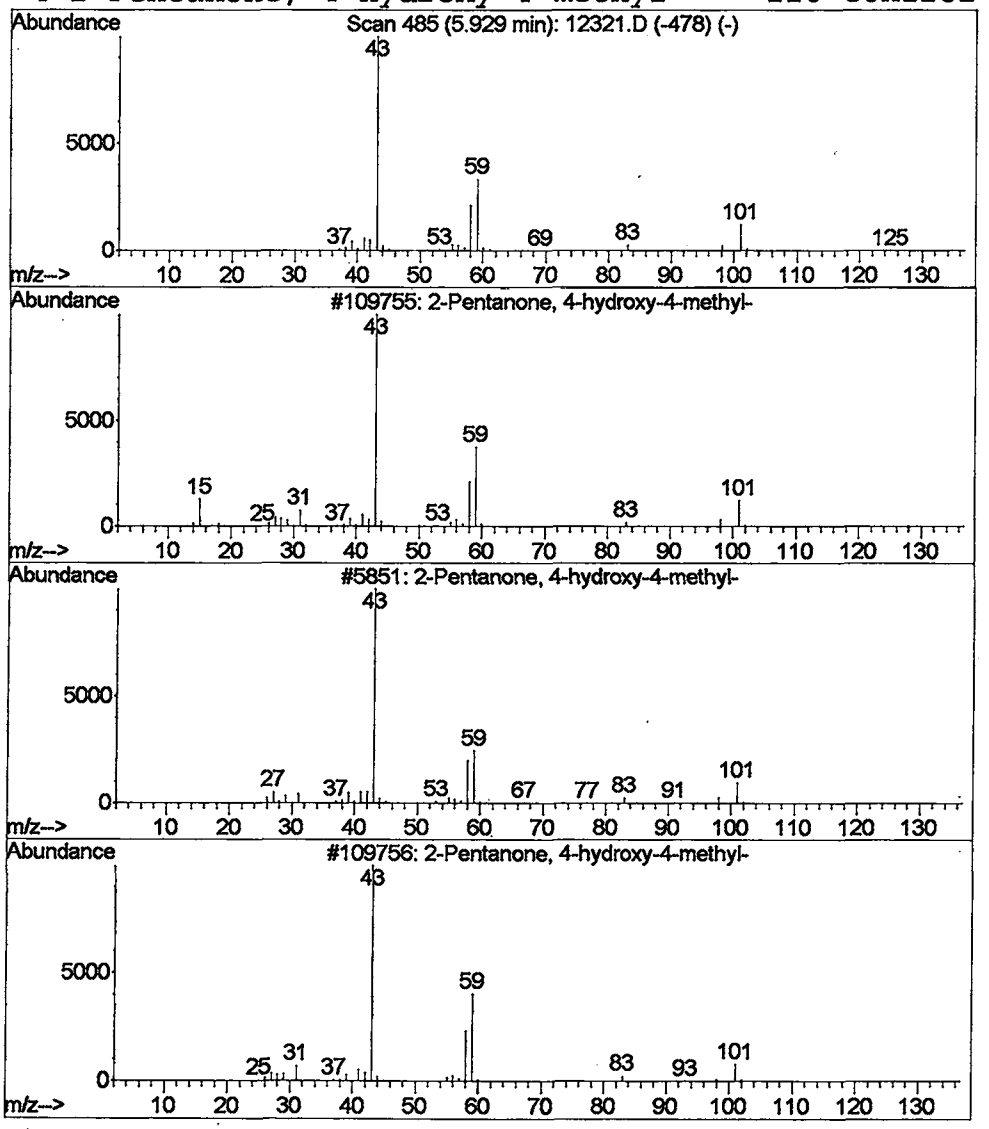
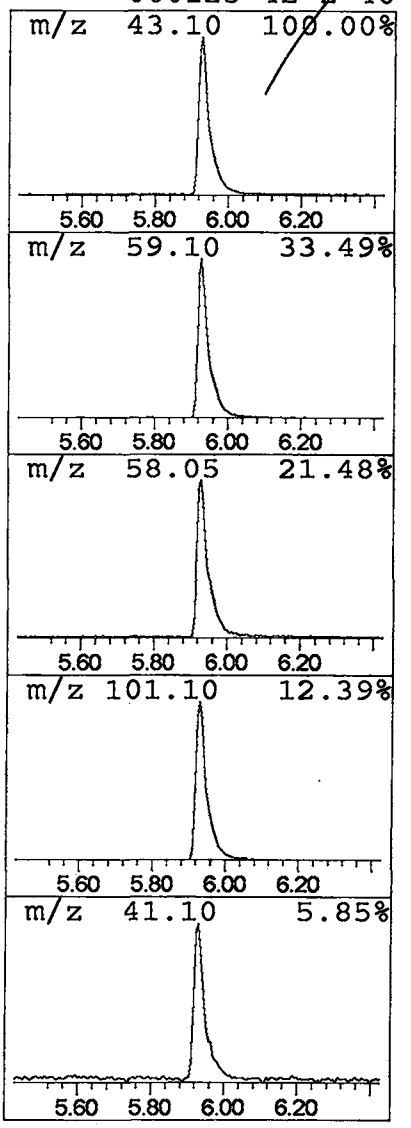
Peak Number 10 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	10.64 ug/L	7261720	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	86
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	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40





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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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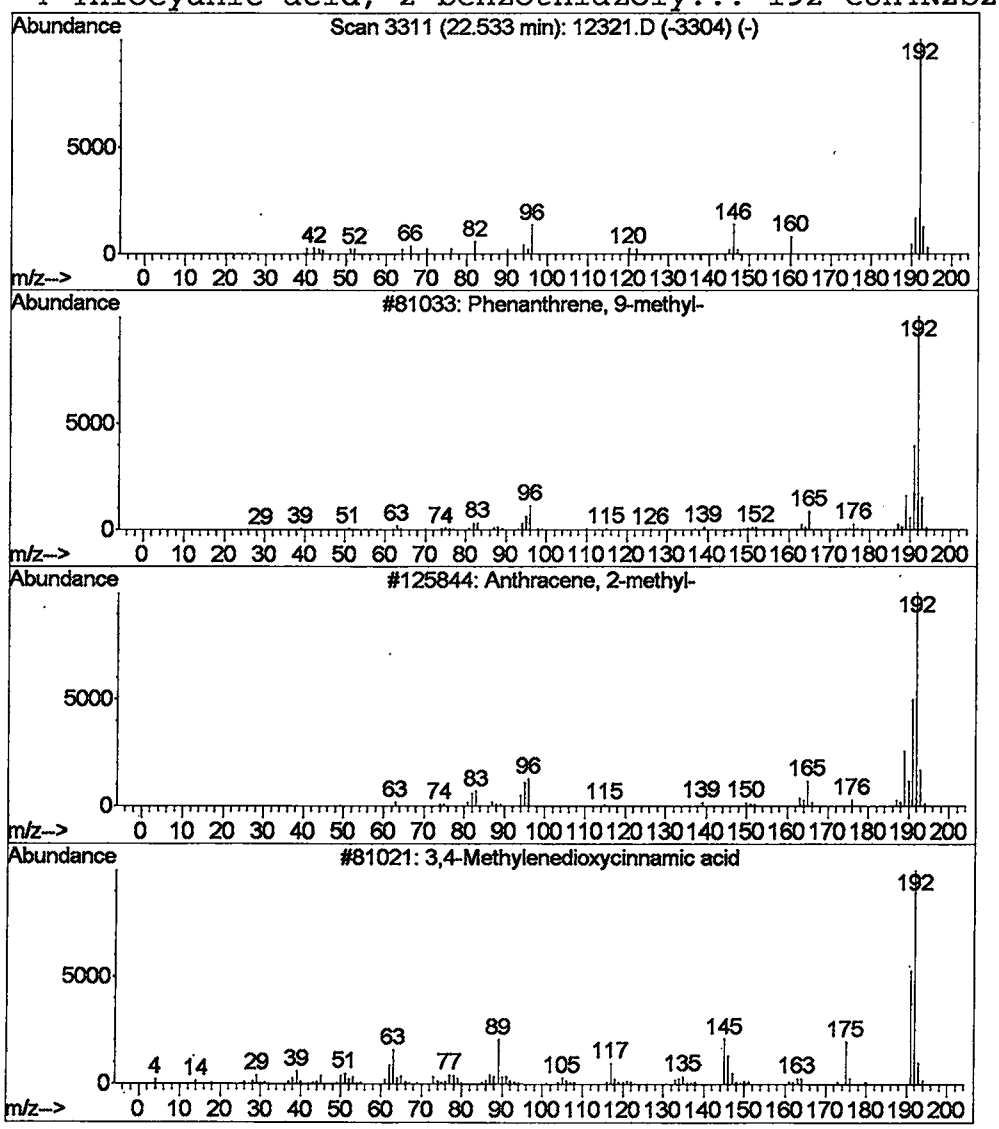
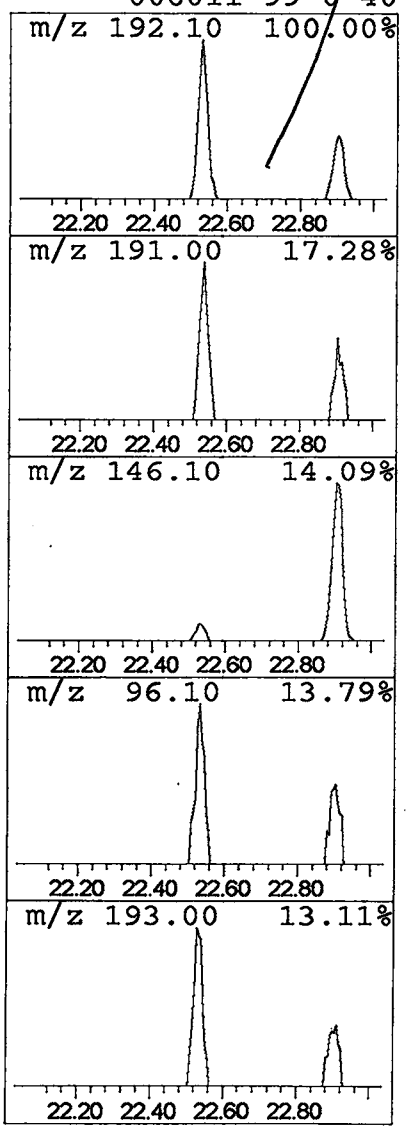
Peak Number 11 Phenanthrene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	0.27 ug/L	279815	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	45
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
3	3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	40
4	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	40





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MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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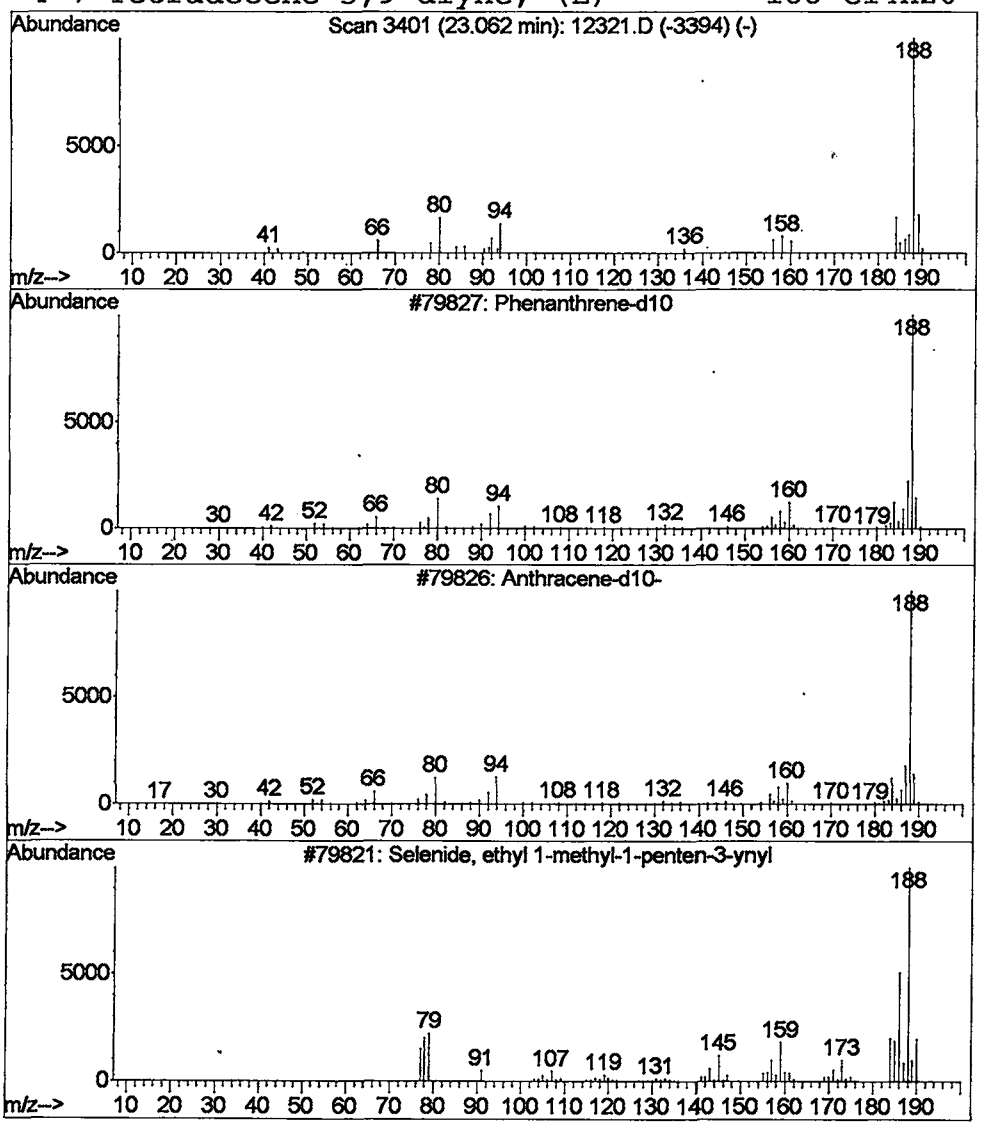
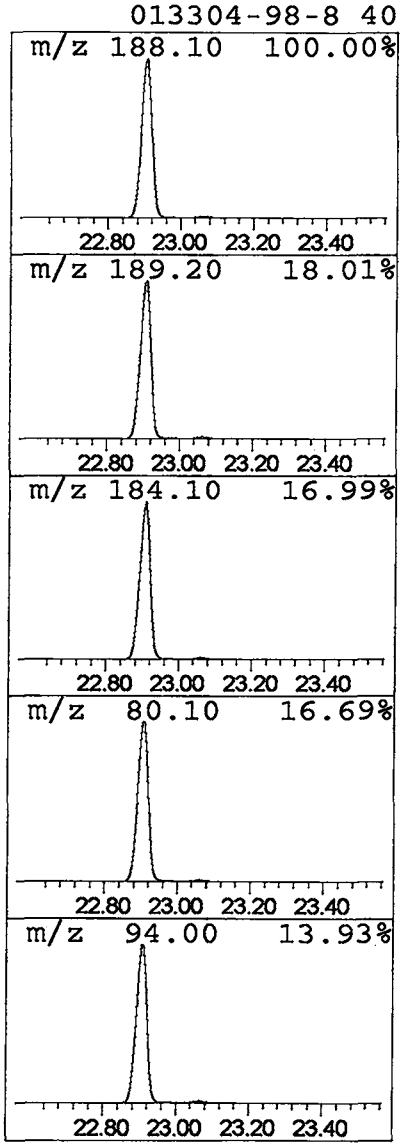
Peak Number 12 Phenanthrene-d10 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.06	0.34 ug/L	348792	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	93
2	Anthracene-d10-	188	C14D10	001719-06-8	93
3	Selenide, ethyl 1-methyl-1-pente...	188	C8H12Se	025128-48-7	45
4	7-Tetradecene-5,9-diyne, (E)-	188	C14H20	013304-98-8	40





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MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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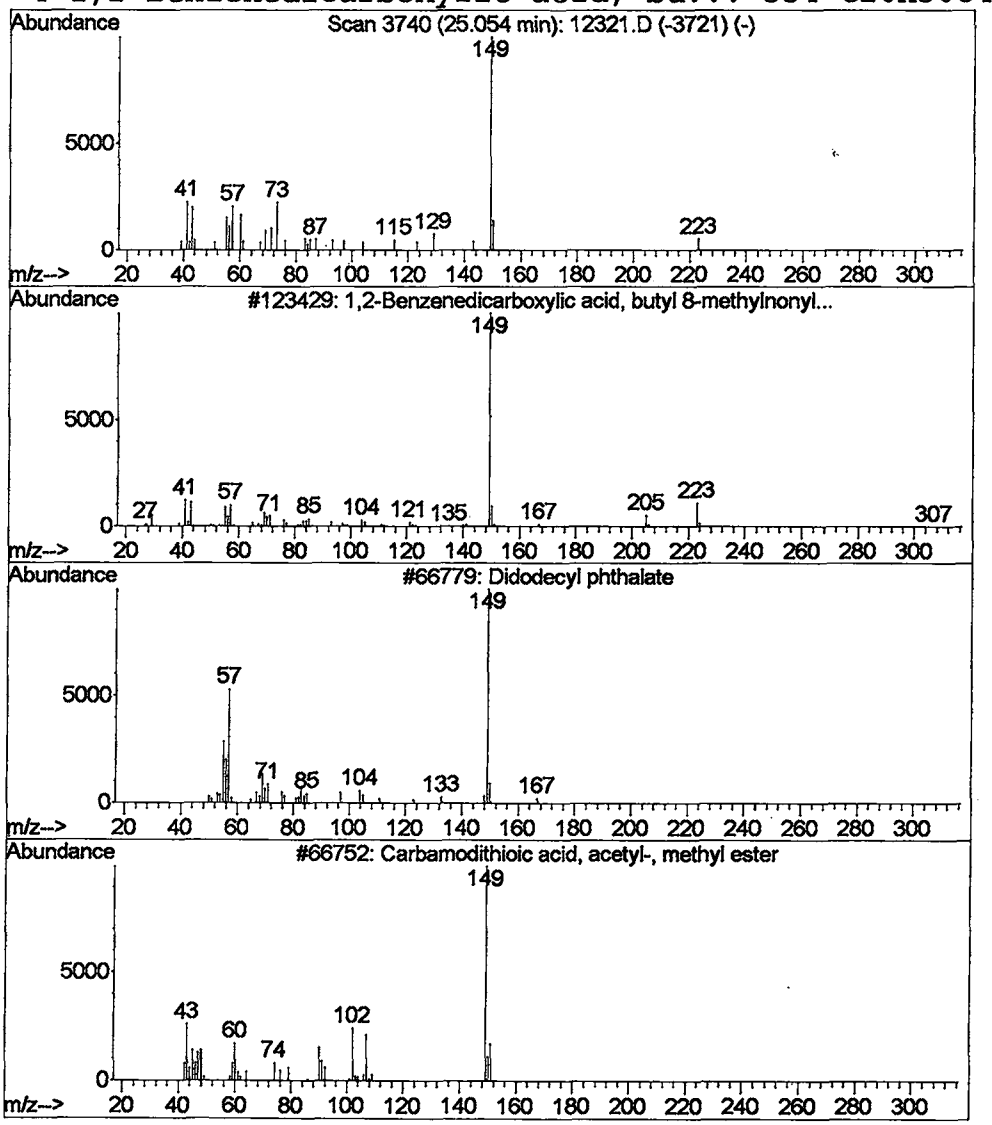
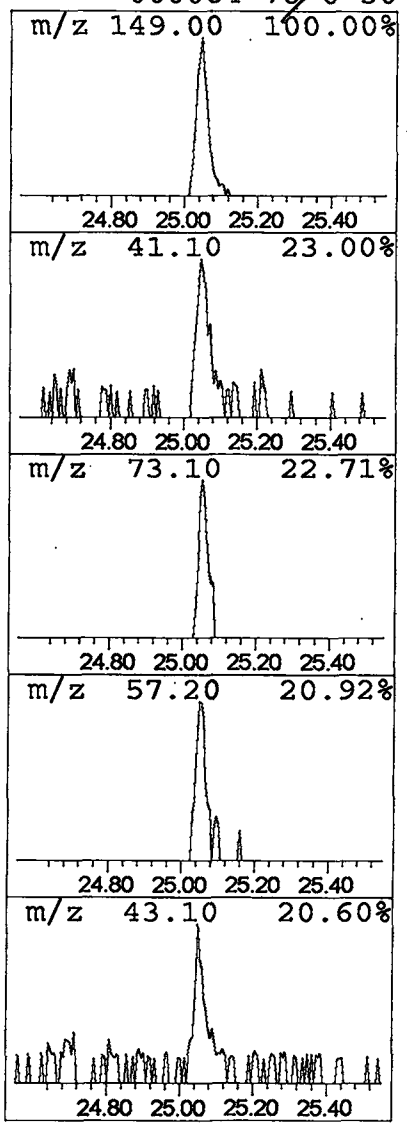
Peak Number 13 1,2-Benzenedicarboxylic aci... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.05	0.30 ug/L	312681	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-18-9	50
2	Didodecyl phthalate	502	C32H54O4	002432-90-8	50
3	Carbamodithioic acid, acetyl-, m...	149	C4H7NOS2	016696-88-1	50
4	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000084-78-6	50





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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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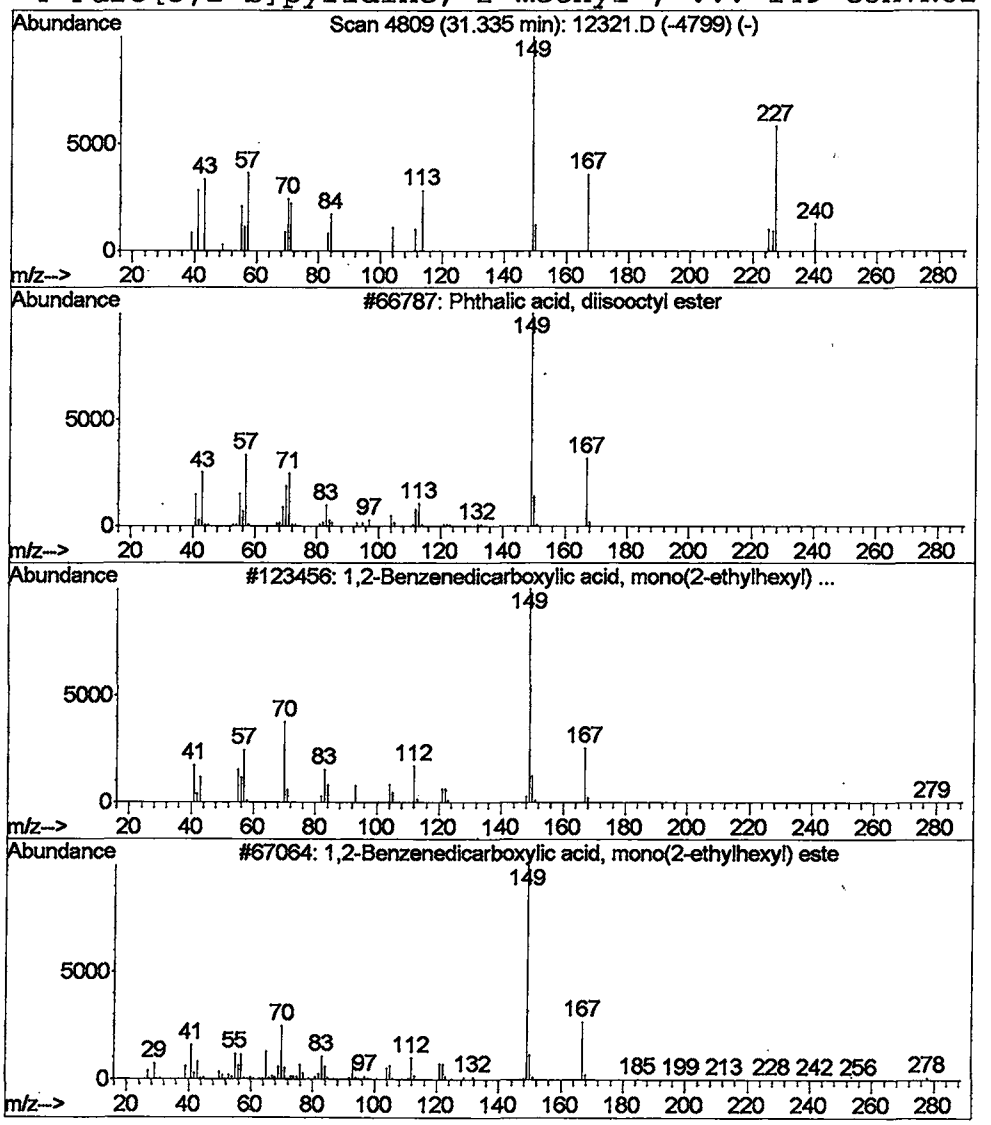
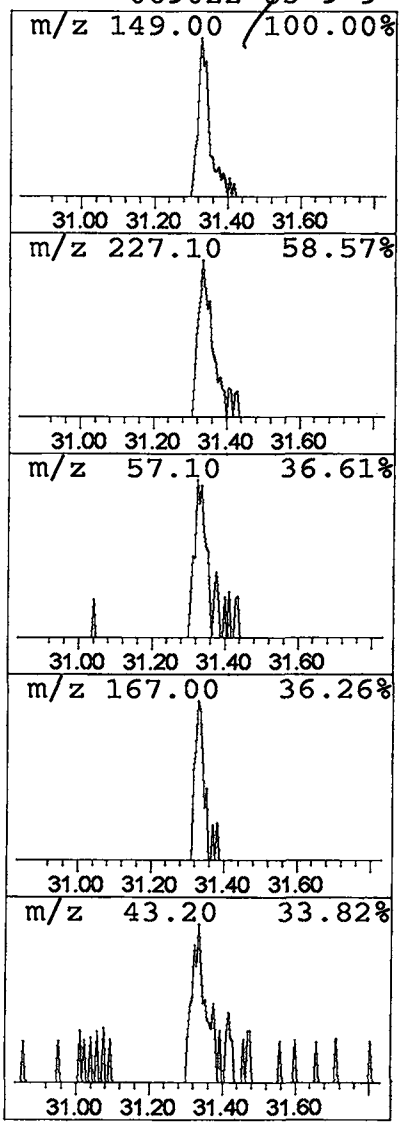
Peak Number 14 Phthalic acid, diisooctyl e... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.33	0.24 ug/L	179442	Chrysene-d12	30.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, diisooctyl ester	390	C24H38O4	001330-91-2	43
2	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	38
3	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	32
4	Furo[3,2-b]pyridine, 2-methyl-, ...	149	C8H7NO2	069022-83-9	9





Tentatively Identified Compound (TIC) Summary

Operator ID: McLean Date Acquired: 29 May 2002 4:36 pm
Data File: C:\MSDCHEM\1\DATA\052902\12321.D
Name: gc/ms scan 5/24
Misc:
Method: C:\MSDCHEM\1\METHODS\052202.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	1.6	ug/L	1120070	1	9.90	27305000	40.0
4-Chlorobuten-3-yne	3.74	0.7	ug/L	508815	1	9.90	27305000	40.0
Krypton	3.76	2.1	ug/L	1400220	1	9.90	27305000	40.0
1-Buten-3-yne, 1-...	3.84	1.0	ug/L	700935	1	9.90	27305000	40.0
2,3,4,5-Tetrahydr...	3.89	1.3	ug/L	853898	1	9.90	27305000	40.0
Dicyandiamide	3.95	1.0	ug/L	700810	1	9.90	27305000	40.0
Ethyl Chloride	4.01	1.7	ug/L	1129240	1	9.90	27305000	40.0
Crotonic acid	4.18	0.9	ug/L	597068	1	9.90	27305000	40.0
Butanoic acid, 3-...	5.37	0.2	ug/L	139449	1	9.90	27305000	40.0
2-Pentanone, 4-hy...	5.93	10.6	ug/L	7261720	1	9.90	27305000	40.0
Phenanthrene, 9-m...	22.54	0.3	ug/L	279815	4	22.91	41287800	40.0
Phenanthrene-d10	23.06	0.3	ug/L	348792	4	22.91	41287800	40.0
1,2-Benzenedicarb...	25.05	0.3	ug/L	312681	4	22.91	41287800	40.0
Phthalic acid, di...	31.33	0.2	ug/L	179442	5	30.76	29531500	40.0