User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/07/2002 Time: 13:10:32

Sample: AE12325
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/7/02 13:09 Ended: 6/7/02 13:09 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 AE12325 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-07-2002 Time: 13:10:57

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\12325.D Vial: 13
Acq On : 29 May 2002 7:51 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 03 10:52:37 2002 Quant Results File: 052202.RES

Quant 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
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.90	152	4788578	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	18995772	40.00	ug/L	-0.02
17) Acenapthalene-d10	18.53	164	10441318	40.00	ug/L	-0.01
29) Phenanthranene-d10	22.91	188	15857689	40.00	ug/L	-0.01
37) Chrysene-d12	30.76	240	9439446	40.00	ug/L	-0.05
43) Perylene-d12	34.65	264	4949489	40.00	ug/L	-0.03
System Monitoring Compounds						
27) TCMX	20.50	209	2221866	36.93	ug/L	-0.01
Spiked Amount 40.000			Recovery =	92.33%		
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D.	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	13.39	93	1354	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	19850	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	37468	N.D.		
30) Nnitrosodiphenylamine	20.50	169	41836	0.26	ug/L #	59
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 : Wed May 29 08:47:01 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	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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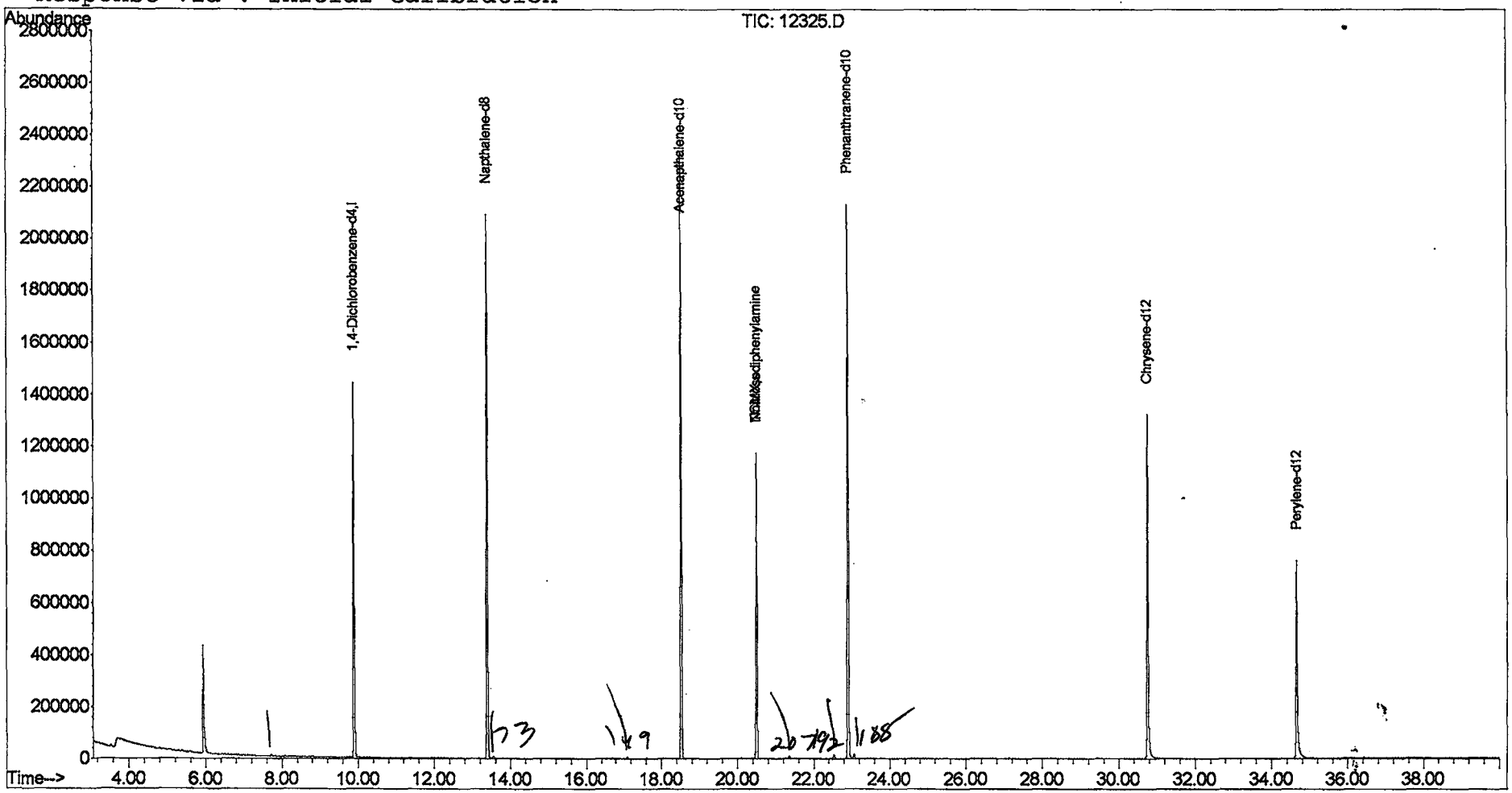
Acq On : 29 May 2002 7:51 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 3 10:52 2002 Quant Results File: 052202.RES

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\12325.D Vial: 13
Acq On : 29 May 2002 7:51 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

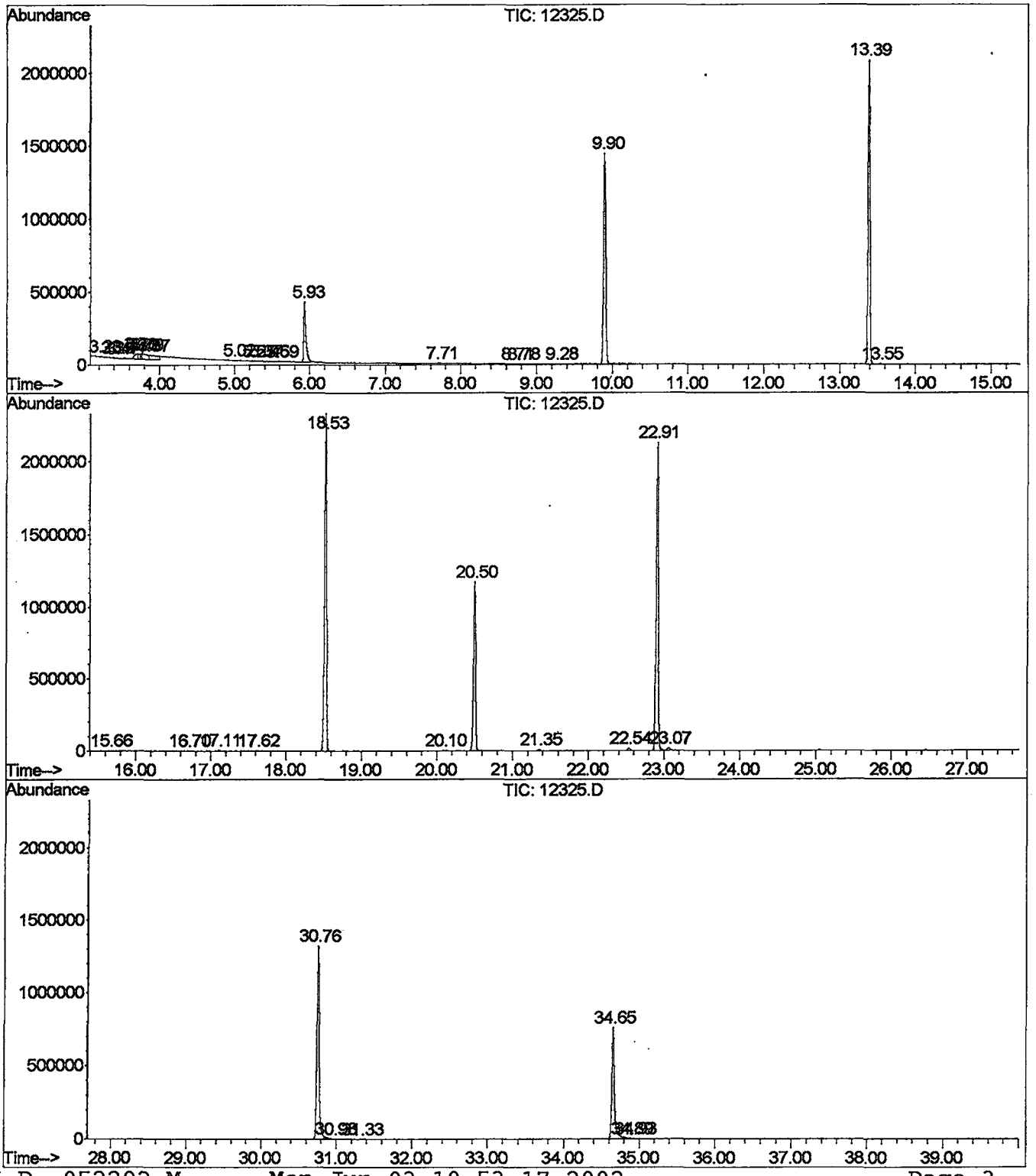
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.232	22	26	35	PV 7	3988	73454	0.17%	0.031%
2	3.391	51	53	60	VV 5	3872	66930	0.16%	0.028%
3	3.467	64	66	73	PV 6	2253	44400	0.10%	0.019%
4	3.543	73	79	89	VV 4	8643	155092	0.36%	0.065%
5	3.702	89	106	108	PV 4	35065	1052337	2.44%	0.439%
6	3.720	108	109	113	VV 4	34975	634549	1.47%	0.265%
7	3.755	113	115	117	VV 3	34942	517652	1.20%	0.216%
8	3.784	117	120	133	VV 9	33812	1784619	4.14%	0.745%
9	3.872	133	135	158	VV 7	29954	2314699	5.37%	0.966%
10	5.018	327	330	333	VV 5	5405	96240	0.22%	0.040%
11	5.271	371	373	384	VV 5	3101	96561	0.22%	0.040%
12	5.371	384	390	398	VV 9	3581	114062	0.26%	0.048%
13	5.459	403	405	410	VV 5	2339	17988	0.04%	0.008%
14	5.588	419	427	436	PV 8	2969	89099	0.21%	0.037%
15	5.929	480	485	518	VV	406923	8520919	19.78%	3.557%
16	7.709	781	788	804	PV 4	4126	116700	0.27%	0.049%
17	8.708	954	958	962	VV 5	1805	25472	0.06%	0.011%
18	8.779	965	970	973	VV 5	1938	36001	0.08%	0.015%
19	9.284	1050	1056	1059	VV 4	1679	32182	0.07%	0.013%
20	9.895	1152	1160	1188	VV	1421491	28626738	66.45%	11.949%
21	13.391	1745	1755	1773	PV	2080828	38697091	89.82%	16.153%
22	13.544	1773	1781	1793	VV	6179	124005	0.29%	0.052%
23	15.659	2135	2141	2150	VV 6	1622	33463	0.08%	0.014%
24	16.705	2312	2319	2325	PV 2	3363	64774	0.15%	0.027%
25	17.110	2383	2388	2401	VV 4	6962	116379	0.27%	0.049%
26	17.621	2459	2475	2484	VB 5	3391	59799	0.14%	0.025%
27	18.526	2619	2629	2645	PV	2288796	42741978	99.21%	17.841%
28	20.101	2890	2897	2905	PV 5	2577	56708	0.13%	0.024%
29	20.506	2949	2966	2977	BV	1155362	22009604	51.09%	9.187%
30	21.352	3101	3110	3118	PV 2	8976	146175	0.34%	0.061%
31	22.539	3305	3312	3321	PV 2	15452	279725	0.65%	0.117%
32	22.909	3361	3375	3395	PV 2	2104230	43081579	100.00%	17.983%
33	23.068	3395	3402	3411	VV 3	16366	330990	0.77%	0.138%
34	30.759	4688	4711	4746	PV 2	1319577	29144005	67.65%	12.165%
35	30.976	4746	4748	4759	VB 5	2177	49476	0.11%	0.021%
36	31.329	4804	4808	4821	PV 5	1679	45018	0.10%	0.019%
37	34.655	5361	5374	5412	PV	758616	18123612	42.07%	7.565%

38	34.884	5412	5413	5419	VV	3	2634	36457	0.08%	0.015%
39	34.931	5419	5421	5424	VV	4	1339	12393	0.03%	0.005%

Sum of corrected areas: 239568927

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052902\12325.D
Operator : McLean
Acquired : 29 May 2002 7:51 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: gc/ms scan 5/24
Misc Info :
Vial Number: 13
Quant File :052202.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052902\12325.D
Acq On : 29 May 2002 7:51 pm
Sample : gc/ms scan 5/24
Misc :
MS Integration Params: LSCINT.e

Vial: 13
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

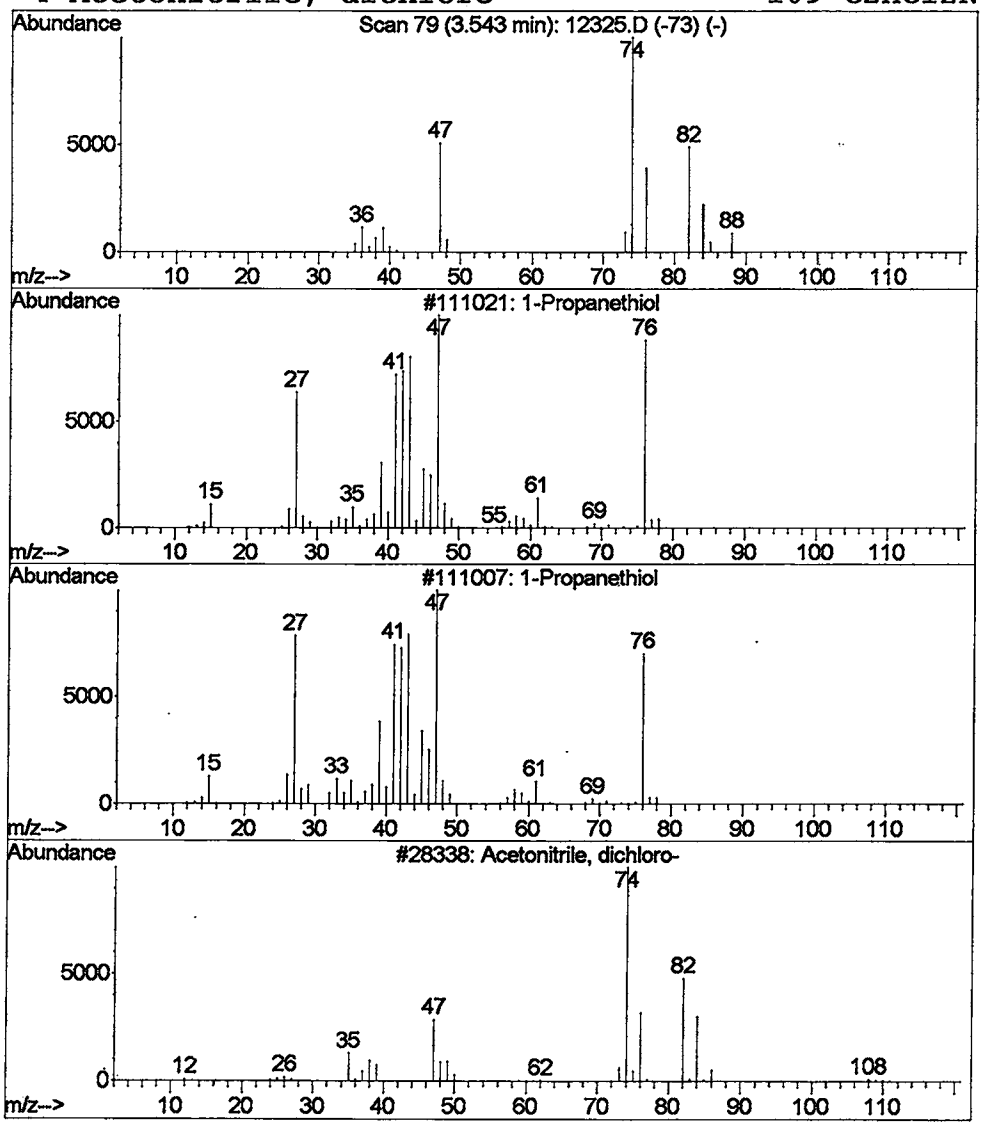
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

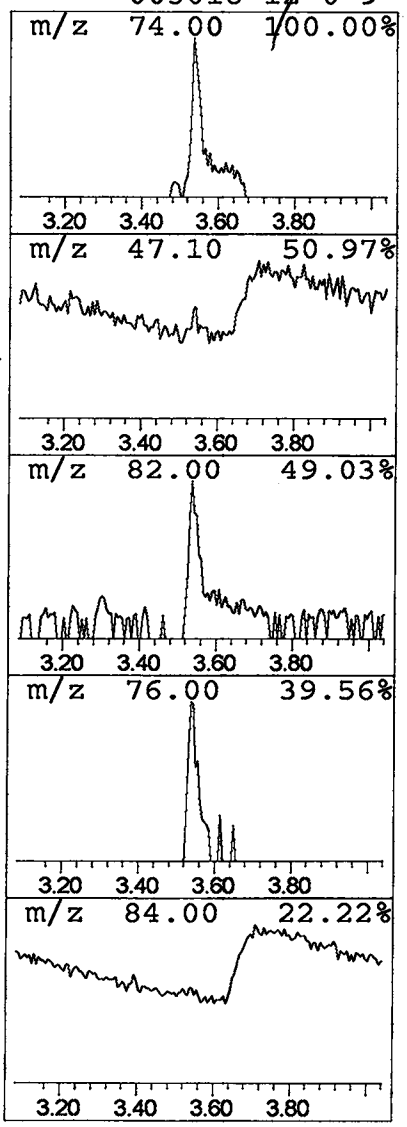
****

Peak Number 1 1-Propanethiol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	0.22 ug/L	155092	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanethiol	76	C3H8S	000107-03-9	22
2	1-Propanethiol	76	C3H8S	000107-03-9	22
3	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	9
4	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052902\12325.D Vial: 13
Acq On : 29 May 2002 7:51 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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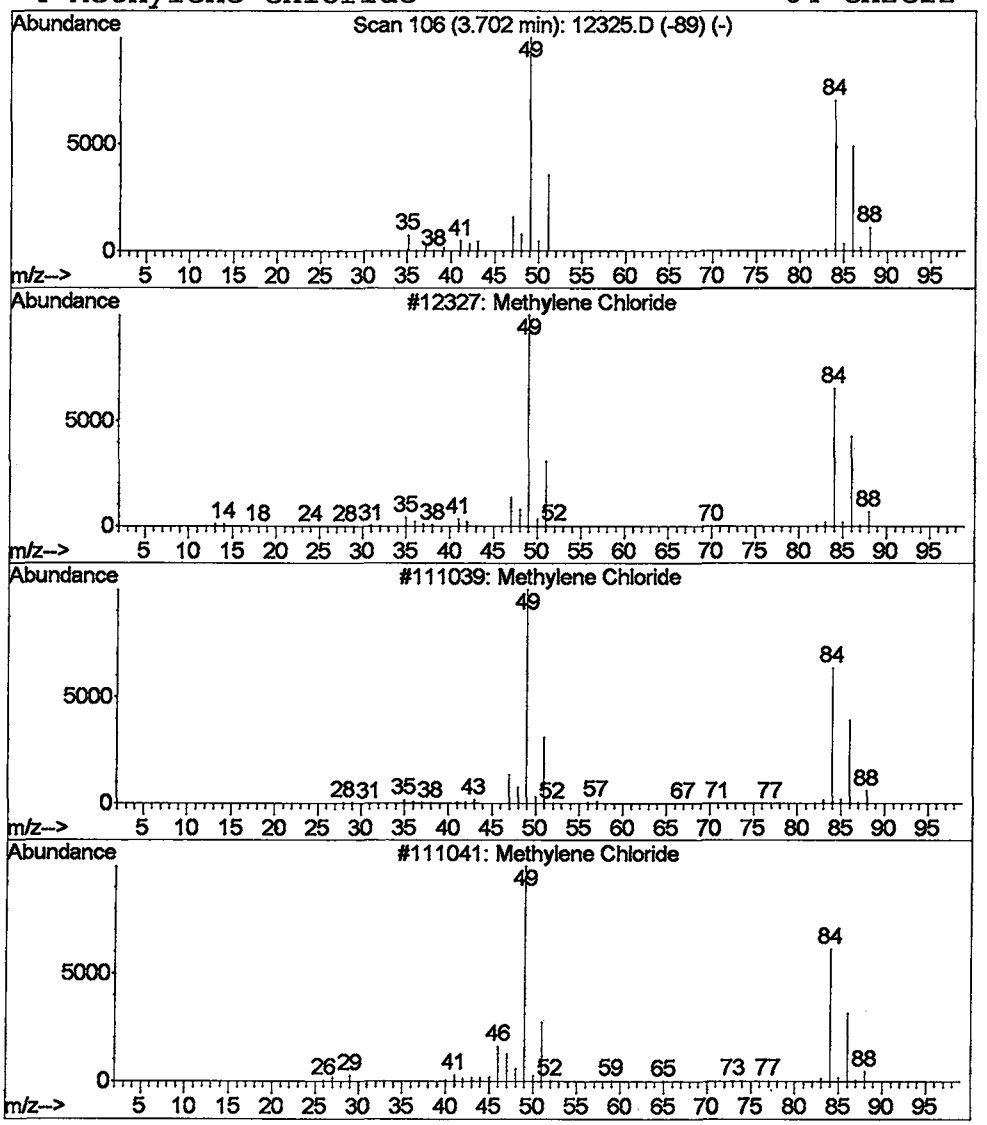
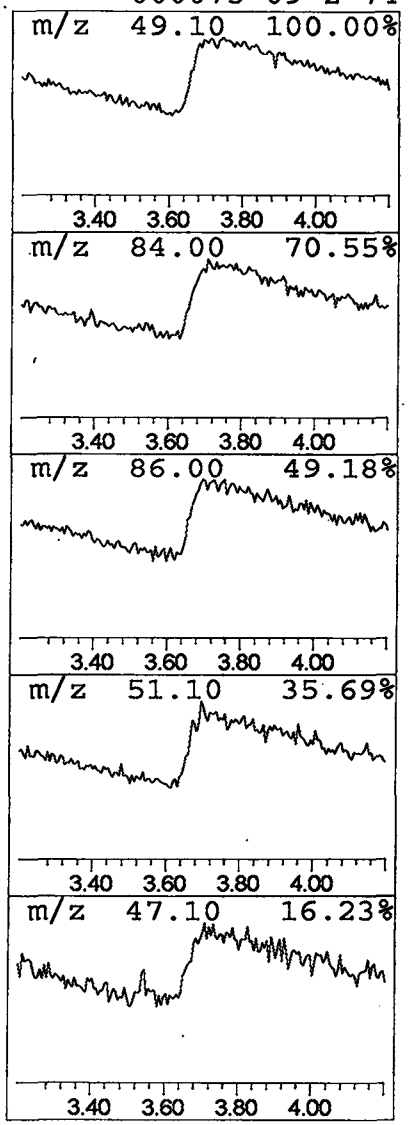
Peak Number 2 Methylene Chloride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.70	1.47 ug/L	1052340	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	96
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	86
4	Methylene Chloride	84	CH2Cl2	000075-09-2	74





Data File : C:\MSDCHEM\1\DATA\052902\12325.D Vial: 13
Acq On : 29 May 2002 7:51 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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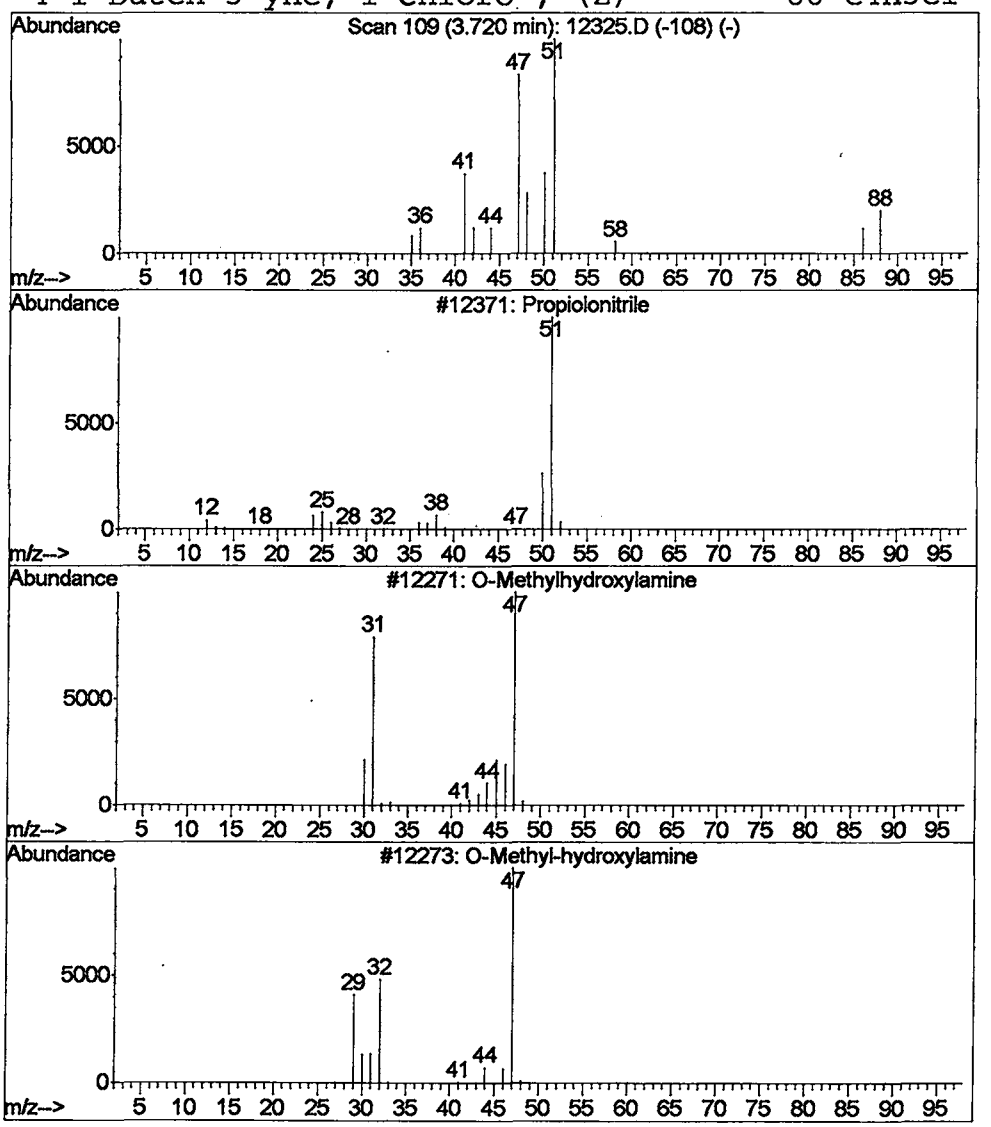
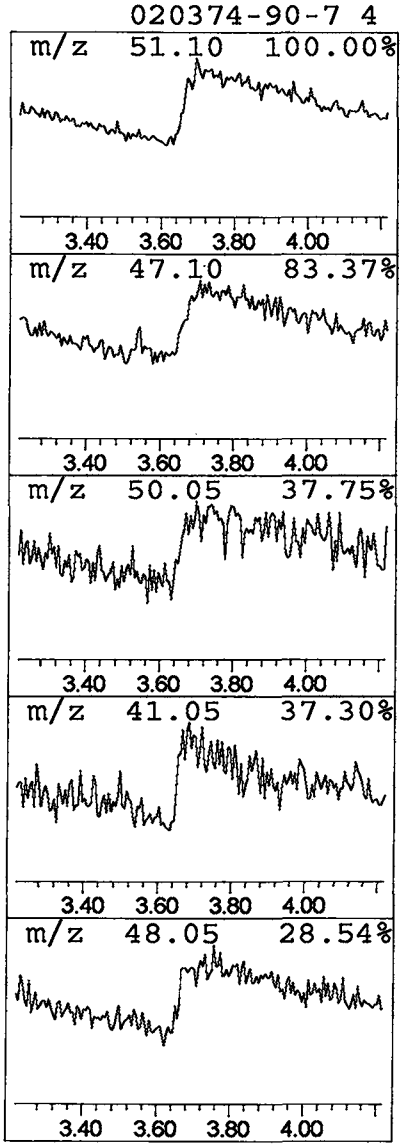
Peak Number 3 Propiolonitrile Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	0.89 ug/L	634549	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propiolonitrile	51	C3HN	001070-71-9	5
2	O-Methylhydroxylamine	47	CH5NO	1000202-02-6	4
3	O-Methyl-hydroxylamine	47	CH5NO	1000192-49-9	4
4	1-Buten-3-yne, 1-chloro-, (Z)-	86	C4H3Cl	020374-90-7	4





Data File : C:\MSDCHEM\1\DATA\052902\12325.D Vial: 13
Acq On : 29 May 2002 7:51 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
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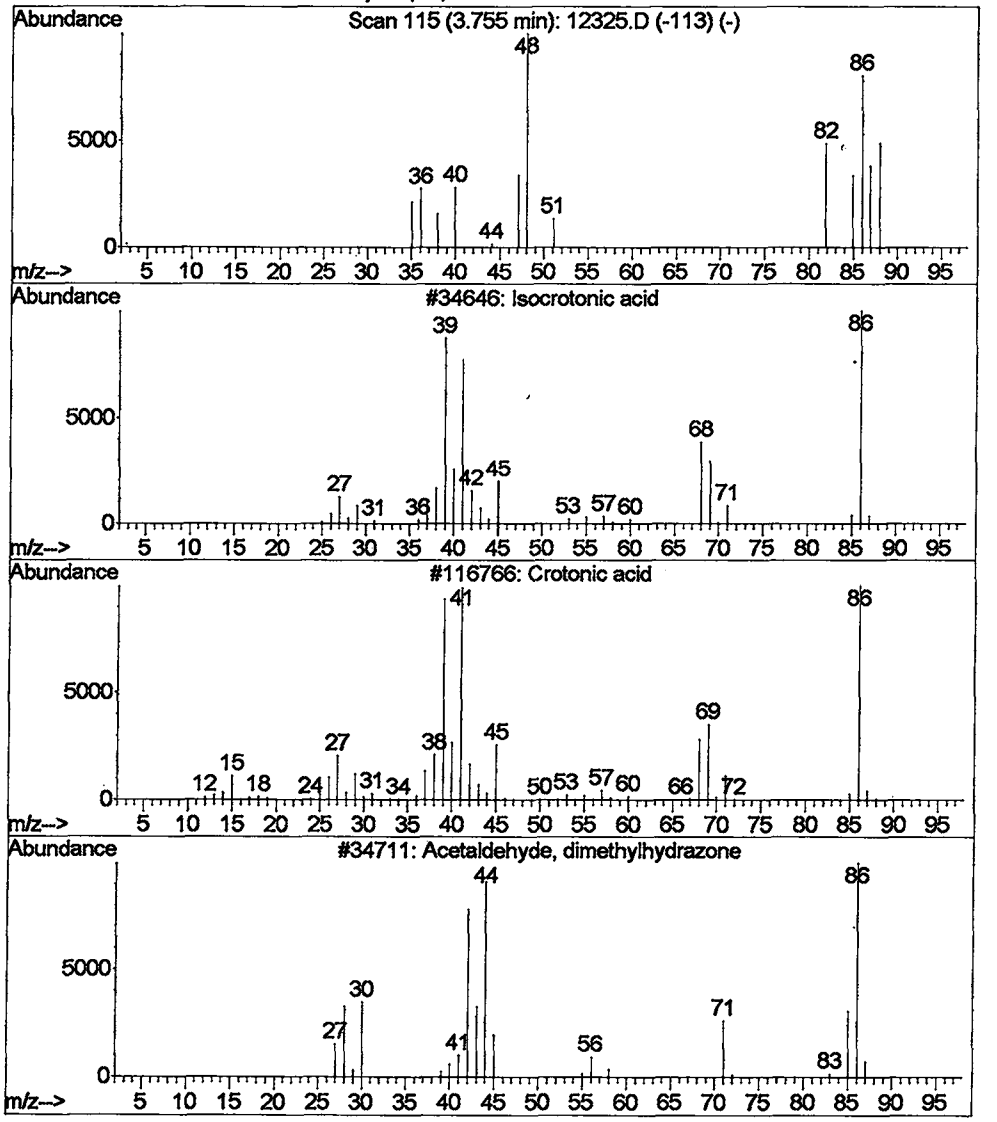
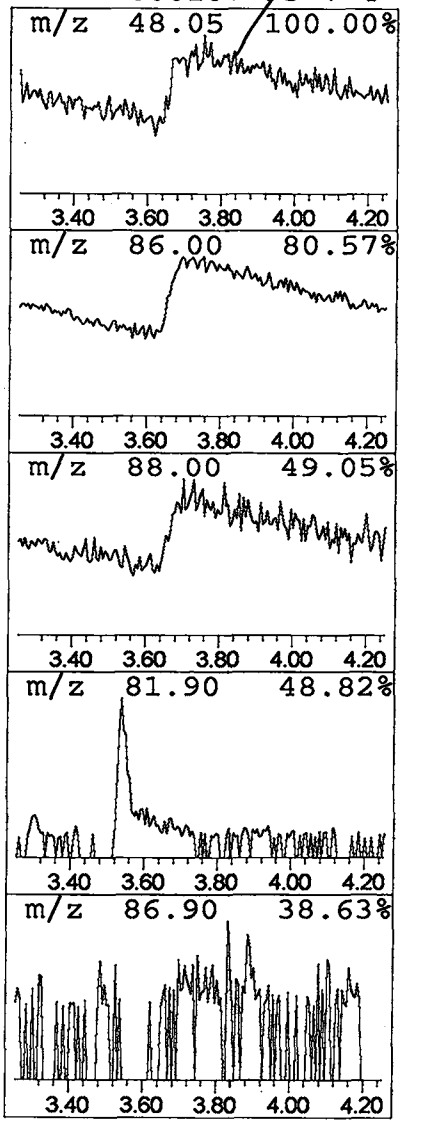
Peak Number 4 Isocrotonic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	0.72 ug/L	517652	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isocrotonic acid	86	C4H6O2	000503-64-0	9
2	Crotonic acid	86	C4H6O2	003724-65-0	9
3	Acetaldehyde, dimethylhydrazone	86	C4H10N2	007422-90-4	5
4	2-Butenoic acid, (E)-	86	C4H6O2	000107-93-7	4





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Acq On : 29 May 2002 7:51 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
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Library : C:\DATABASE\NIST98.L

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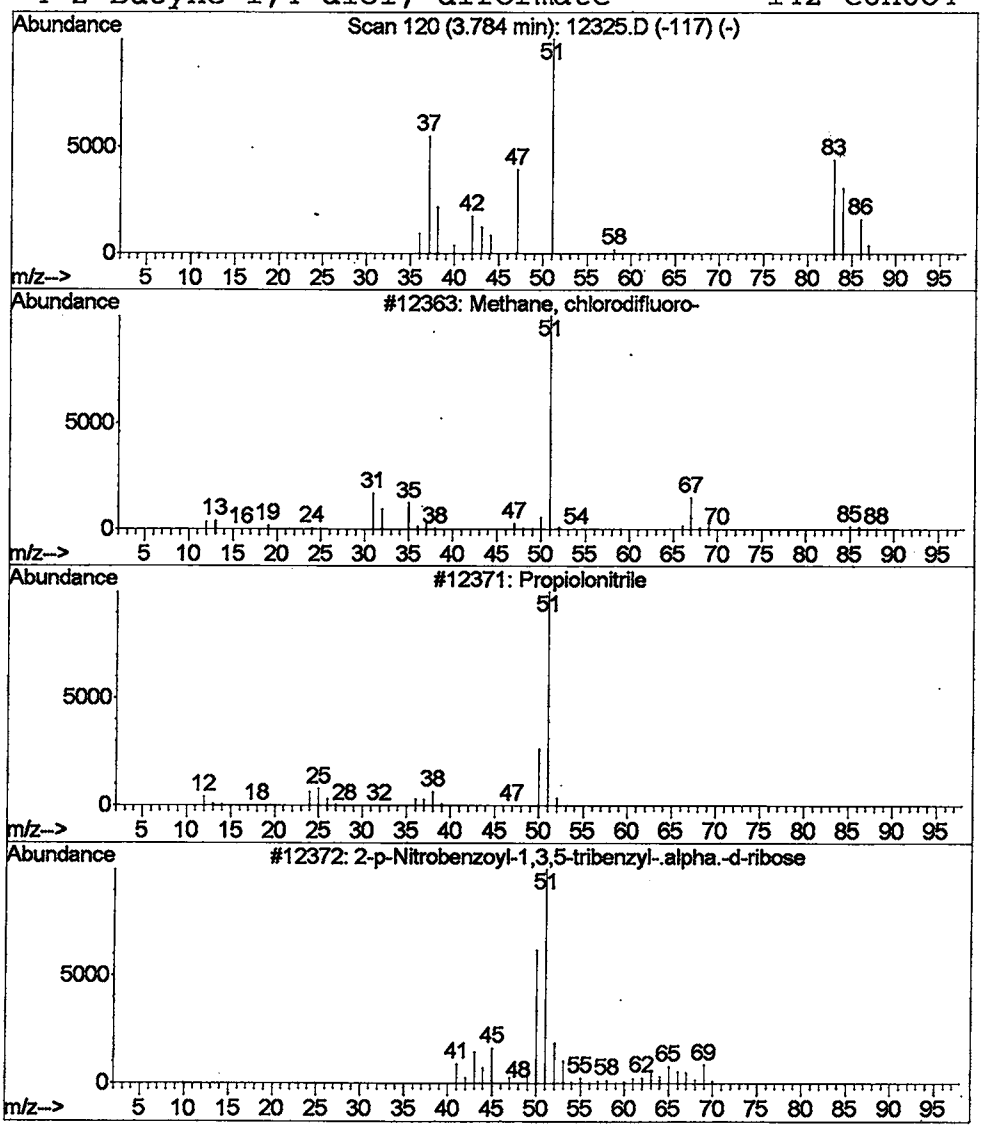
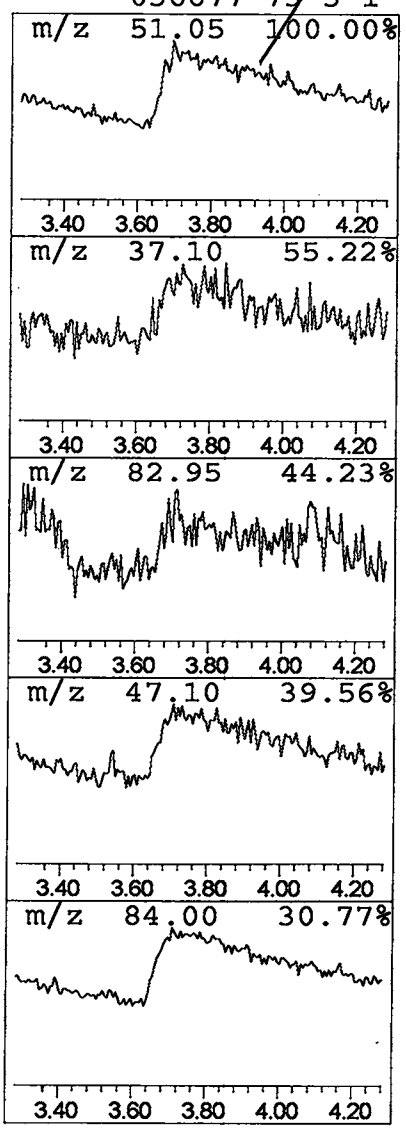
Peak Number 5 Methane, chlorodifluoro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	2.49 ug/L	1784620	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, chlorodifluoro-	86	CHClF2	000075-45-6	5
2	Propiolonitrile	51	C3HN	001070-71-9	3
3	2-p-Nitrobenzoyl-1,3,5-tribenzyl...	569	C33H31NO8	1000129-85-6	2
4	2-Butyne-1,4-diol, diformate	142	C6H6O4	036677-73-3	1





Data File : C:\MSDCHEM\1\DATA\052902\12325.D Vial: 13
Acq On : 29 May 2002 7:51 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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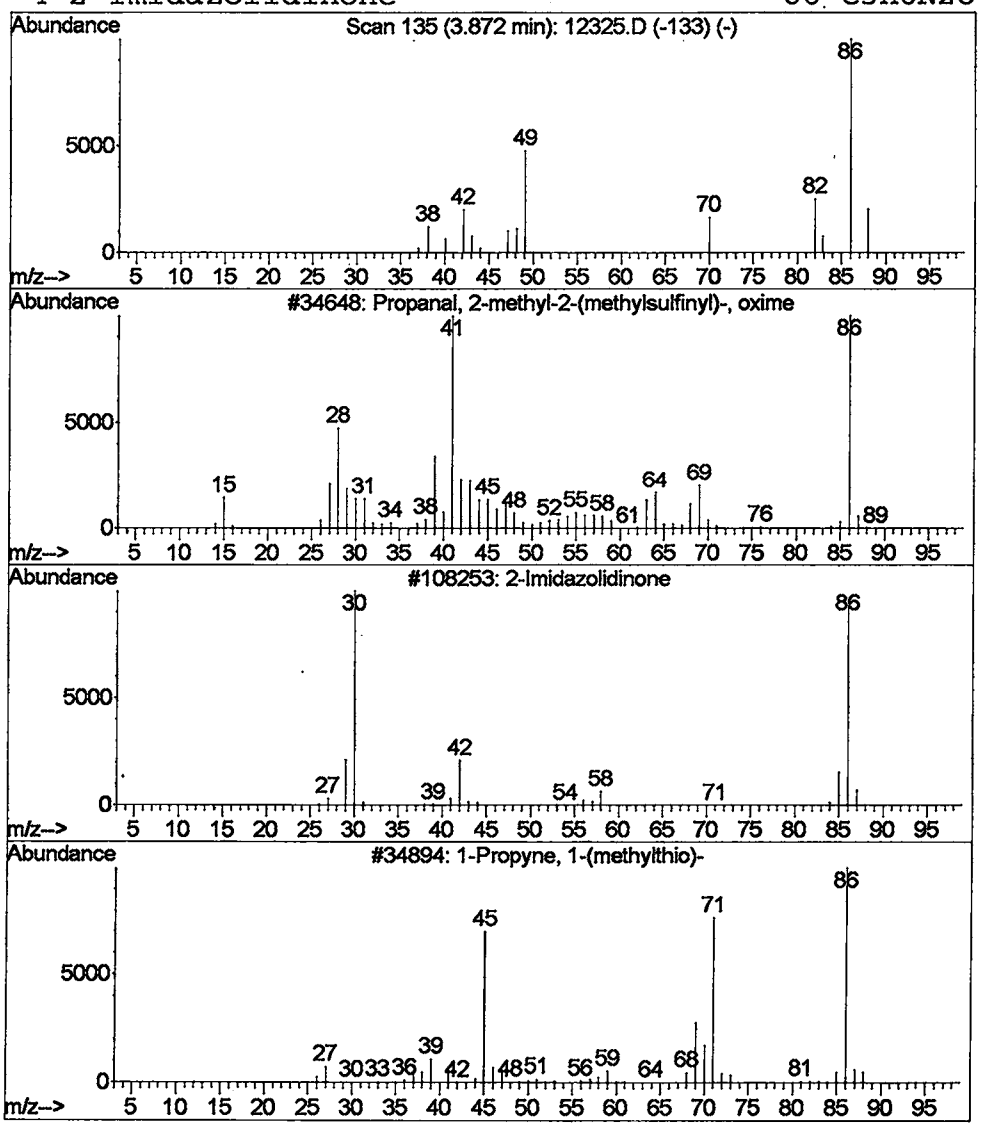
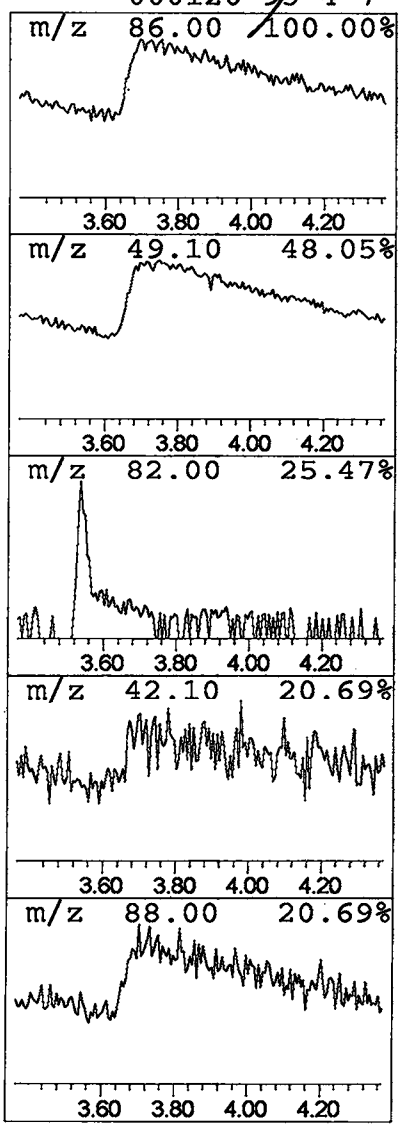
Peak Number 6 Propanal, 2-methyl-2-(methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.87	3.23 ug/L	2314700	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-2-(methylsulf...	149	C5H11NO2S	007635-32-7	10
2	2-Imidazolidinone	86	C3H6N2O	000120-93-4	7
3	1-Propyne, 1-(methylthio)-	86	C4H6S	022174-51-2	7
4	2-Imidazolidinone	86	C3H6N2O	000120-93-4	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052902\12325.D Vial: 13
Acq On : 29 May 2002 7:51 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

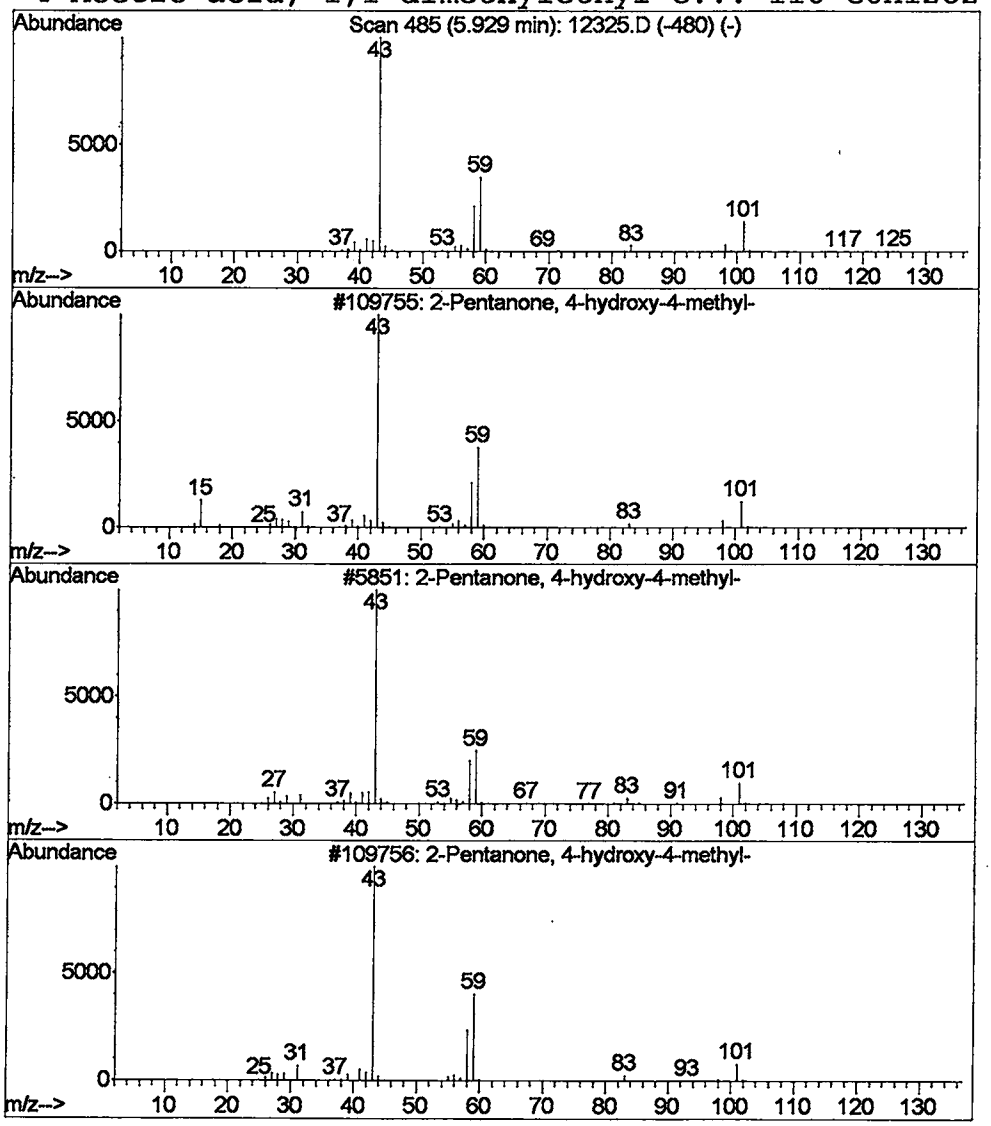
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

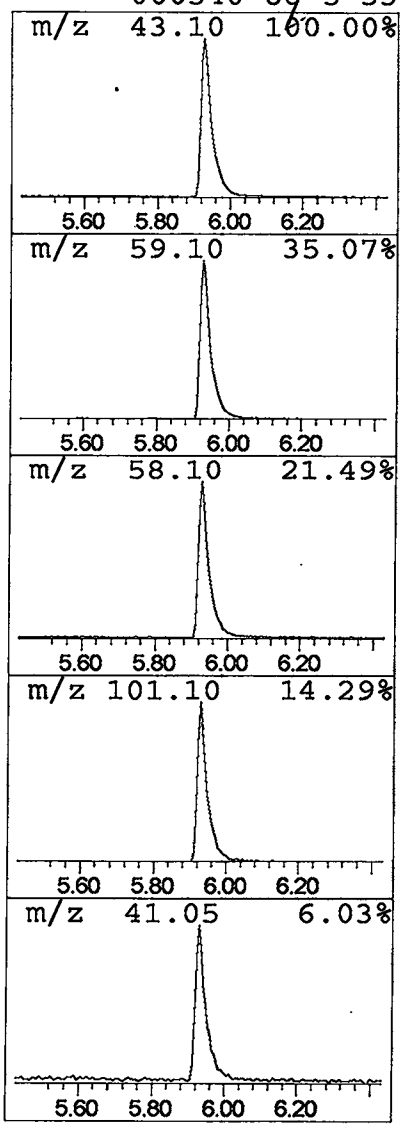
****

Peak Number 7 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	11.91 ug/L	8520920	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	78
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	64
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	33





Data File : C:\MSDCHEM\1\DATA\052902\12325.D Vial: 13
Acq On : 29 May 2002 7:51 pm Operator: McLean
Sample : gc/ms scan 5/24 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

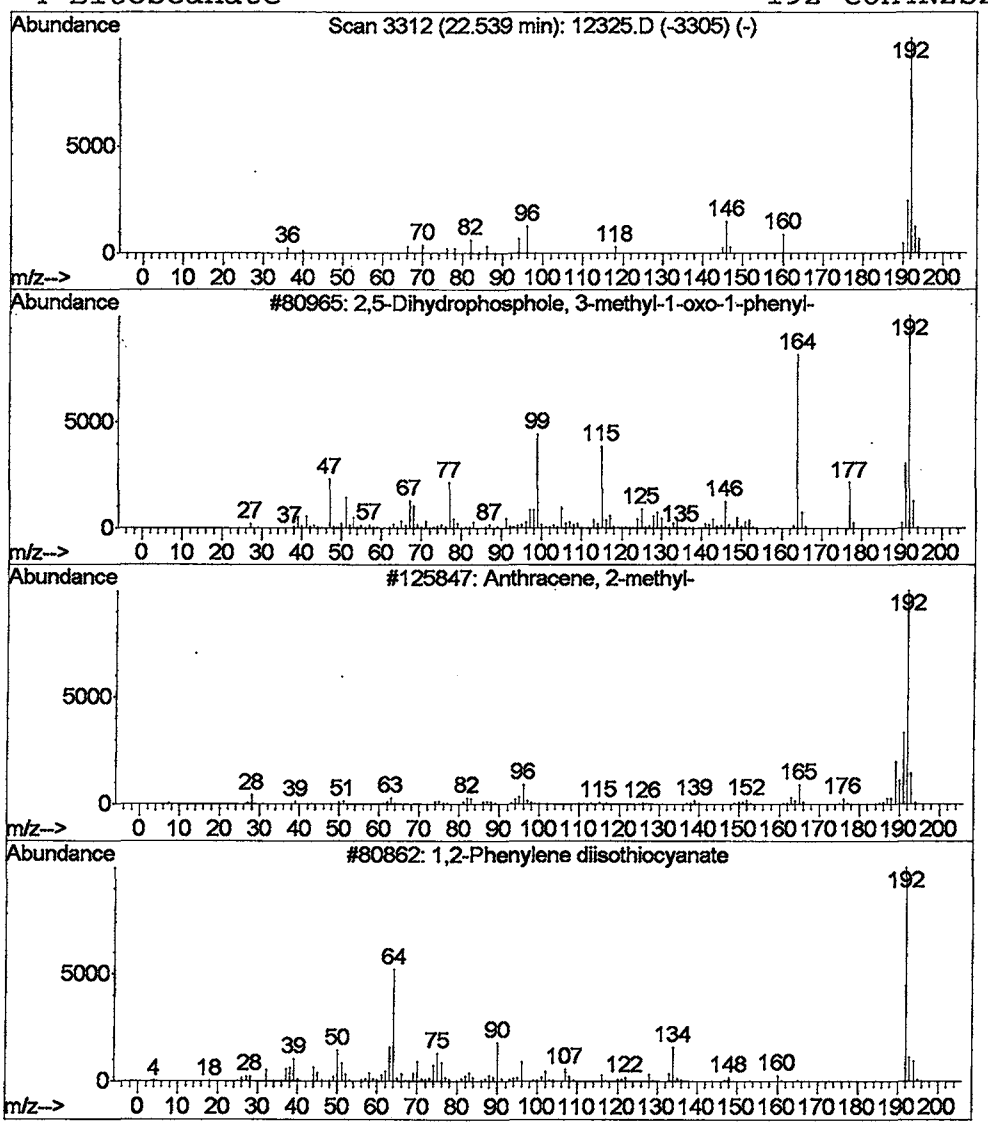
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

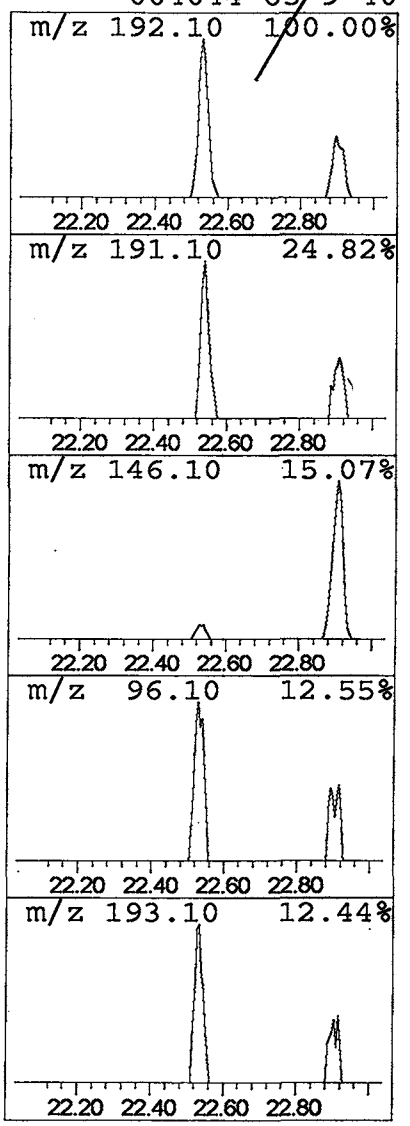
****

Peak Number 8 2,5-Dihydrophosphole, 3-met... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	0.26 ug/L	279725	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	59
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	59
3	1,2-Phenylene diisothiocyanate	192	C8H4N2S2	071105-17-4	42
4	Bitoscanate	192	C8H4N2S2	004044-65-9	40





Data File : C:\MSDCHEM\1\DATA\052902\12325.D Vial: 13
Acq On : 29 May 2002 7:51 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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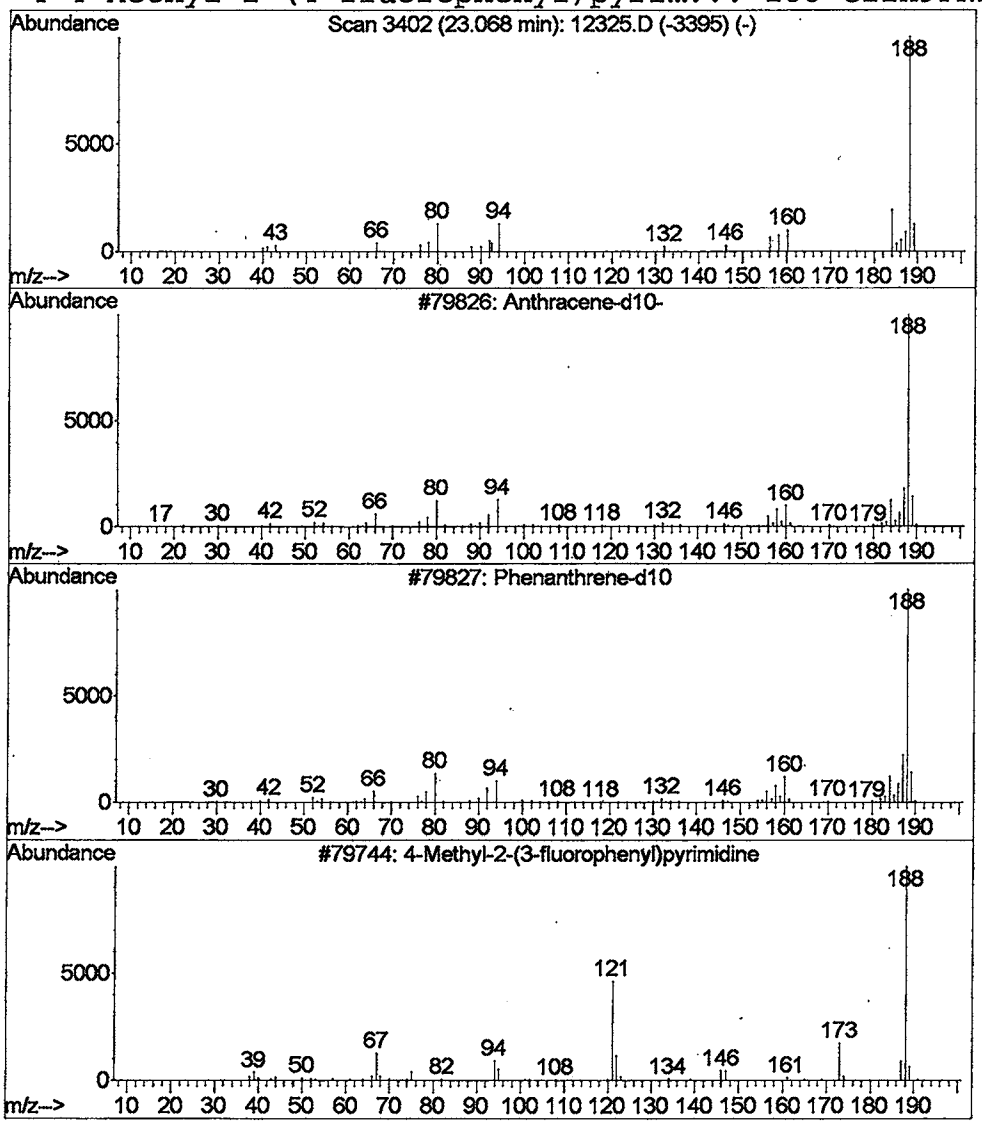
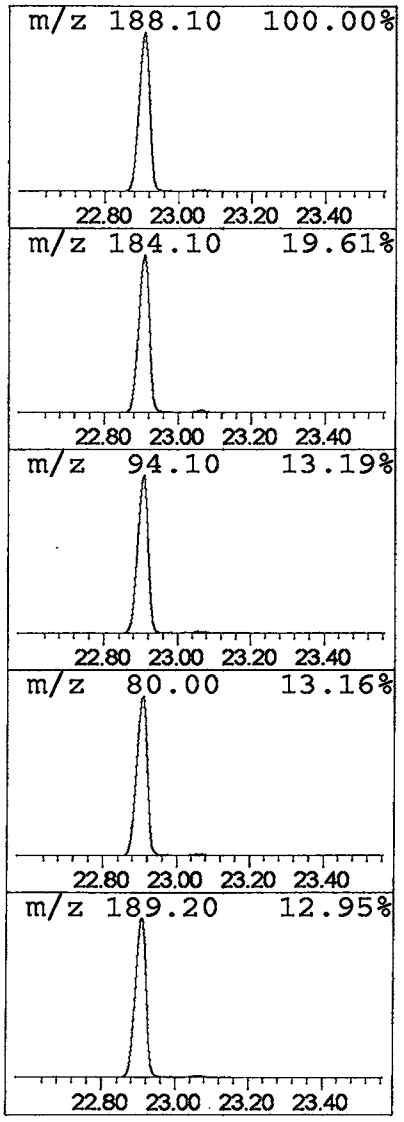
Peak Number 9 Anthracene-d10- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.07	0.31 ug/L	330990	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	87
2	Phenanthrene-d10	188	C14D10	001517-22-2	83
3	4-Methyl-2-(3-fluorophenyl)pyrim...	188	C11H9FN2	076128-66-0	50
4	4-Methyl-2-(4-fluorophenyl)pyrim...	188	C11H9FN2	076128-67-1	38





Tentatively Identified Compound (TIC) Summary

Operator ID: McLean Date Acquired: 29 May 2002 7:51 pm
Data File: C:\MSDCHEM\1\DATA\052902\12325.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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
1-Propanethiol	3.54	0.2	ug/L	155092	1	9.90	28626700	40.0
Methylene Chloride	3.70	1.5	ug/L	1052340	1	9.90	28626700	40.0
Propiolonitrile	3.72	0.9	ug/L	634549	1	9.90	28626700	40.0
Isocrotonic acid	3.75	0.7	ug/L	517652	1	9.90	28626700	40.0
Methane, chlorodi...	3.79	2.5	ug/L	1784620	1	9.90	28626700	40.0
Propanal, 2-methy...	3.87	3.2	ug/L	2314700	1	9.90	28626700	40.0
2-Pentanone, 4-hy...	5.93	11.9	ug/L	8520920	1	9.90	28626700	40.0
2,5-Dihydrophosph...	22.54	0.3	ug/L	279725	4	22.91	43081600	40.0
Anthracene-d10-	23.07	0.3	ug/L	330990	4	22.91	43081600	40.0