Method 508 MOD. Date Extracted 5/24/02 Page 147

Ref

Lab #	Description	Sample vol/wt	Drip rate ml/min	Surr add	Spk add	IS add	Final vol.	T.V. pos.	pH	Count		
L.B.		500 mL		1 mL			1 mL	2B	7			
Ref 1					1 mL			3A				
Ref 2					1 mL			3B				
12287								8A				
12327								6A				
11602	Re-EXT.							7B				
11603	Re-EXT.							2A				
12472								7A				
12473								6B				
12474								8B				
12475								1A				

Remarks

Reviewed by, 8/23/02

drip rate must be between 5-15 ml/min for liq-liq extractors drip rate -

Extraction type - SEP-FUN Solv.lot# X07E07 NaCl lot# V39614 Na2SO4 lot# V46648

STANDARD	INT STD LOG#
CALIBRATION	
REF SPIKE	2297E
MDL/MDRF	
Q. CHECK	
INT. STD.	
SURROGATE	2284E (5/22/02)
LPC	
ENDRIN/DDT	

Analyst A.D.
revision 4/12/01

Verified by

Reviewed by
Date 6/4/2

User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 14:02:09

Sample: AE11602
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 5/30/02 14:01 Ended: 5/30/02 14:01 Analyst: MF
Result source: manual entry
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		< MRL		2.0
2	bis(2-Chloroethyl)ether		< MRL		2.0
3	1,3-Dichlorobenzene		< MRL		2.0
4	1,4-Dichlorobenzene		< MRL		2.0
5	1,2-Dichlorobenzene		< MRL		2.0
6	2,2'-oxybis(1-Chloropropane)		< MRL		2.0
7	n-Nitrosodi-n-propylamine		< MRL		2.0
8	Hexachloroethane		< MRL		2.0
9	Nitrobenzene		< MRL		2.0
10	Isophorone		< MRL		2.0
11	bis(2-Chloroethoxy)methane		< MRL		2.0
12	1,2,4-Trichlorobenzene		< MRL		2.0
13	Naphthalene		< MRL		2.0
14	Hexachlorobutadiene		< MRL		2.0
15	2-Chloronaphthalene		< MRL		2.0
16	Dimethylphthalate		< MRL		2.0
17	2,6-Dinitrotoluene		< MRL		2.0
18	Acenaphthylene		< MRL		2.0
19	Acenaphthene		< MRL		2.0
20	2,4-Dinitrotoluene		< MRL		2.0
21	Diethylphthalate		< MRL		2.0
22	4-Chlorophenylphenylether		< MRL		2.0
23	Fluorene		< MRL		2.0
24	Azobenzene		< MRL		2.0
25	n-Nitrosodiphenylamine		< MRL		2.0
26	4-Bromophenylphenylether		< MRL		2.0
27	Hexachlorobenzene		< MRL		2.0
28	Phenanthrene		< MRL		2.0
29	Anthracene		< MRL		2.0
30	Di-n-butylphthalate		< MRL		2.0
31	Fluoranthene		< MRL		2.0
32	Pyrene		< MRL		2.0
33	Butylbenzylphthalate		< MRL		2.0
34	Benzo(a)anthracene		< MRL		2.0
35	bis(2-Ethylhexyl)phthalate		< MRL		2.0
36	Chrysene		< MRL		2.0
37	Di-n-octylphthalate		< MRL		2.0
38	Benzo(b)fluoranthene		< MRL		2.0
39	Benzo(k)fluoranthene		< MRL		2.0
40	Benzo(a)pyrene		< MRL		2.0
41	Indeno(1,2,3-cd)pyrene		< MRL		2.0
42	Dibenz(a,h)anthracene		< MRL		2.0
43	Benzo(g,h,i)perylene		< MRL		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052802\524LB.D Vial: 3
Acq On : 28 May 2002 3:56 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:43:44 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	9.89	152	4468323	40.00	ug/L	-0.01
10) Napthalene-d8	13.39	136	17694333	40.00	ug/L	-0.02
17) Acenapthalene-d10	18.53	164	9633664	40.00	ug/L	-0.01
29) Phenanthranene-d10	22.91	188	14601266	40.00	ug/L	-0.01
37) Chrysene-d12	30.76	240	10182671	40.00	ug/L	-0.05
43) Perylene-d12	34.65	264	5778544	40.00	ug/L	-0.03
System Monitoring Compounds						
27) TCMX	20.50	209	2147242	38.68	ug/L	-0.01
Spiked Amount 40.000			Recovery = 96.70%			
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	13.39	93	-1813	Below Cal	#	1
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	20.50	77	35430	N.D.		
30) Nnitrosodiphenylamine	20.50	169	39816	0.27	ug/L #	57
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	25.04	149	46139	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052802\524LB.D Vial: 3
Acq On : 28 May 2002 3:56 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
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 : 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	30.76	228	26940	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)

Data File : C:\MSDCHEM\1\DATA\052802\524LB.D Vial: 3
Acq On : 28 May 2002 3:56 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
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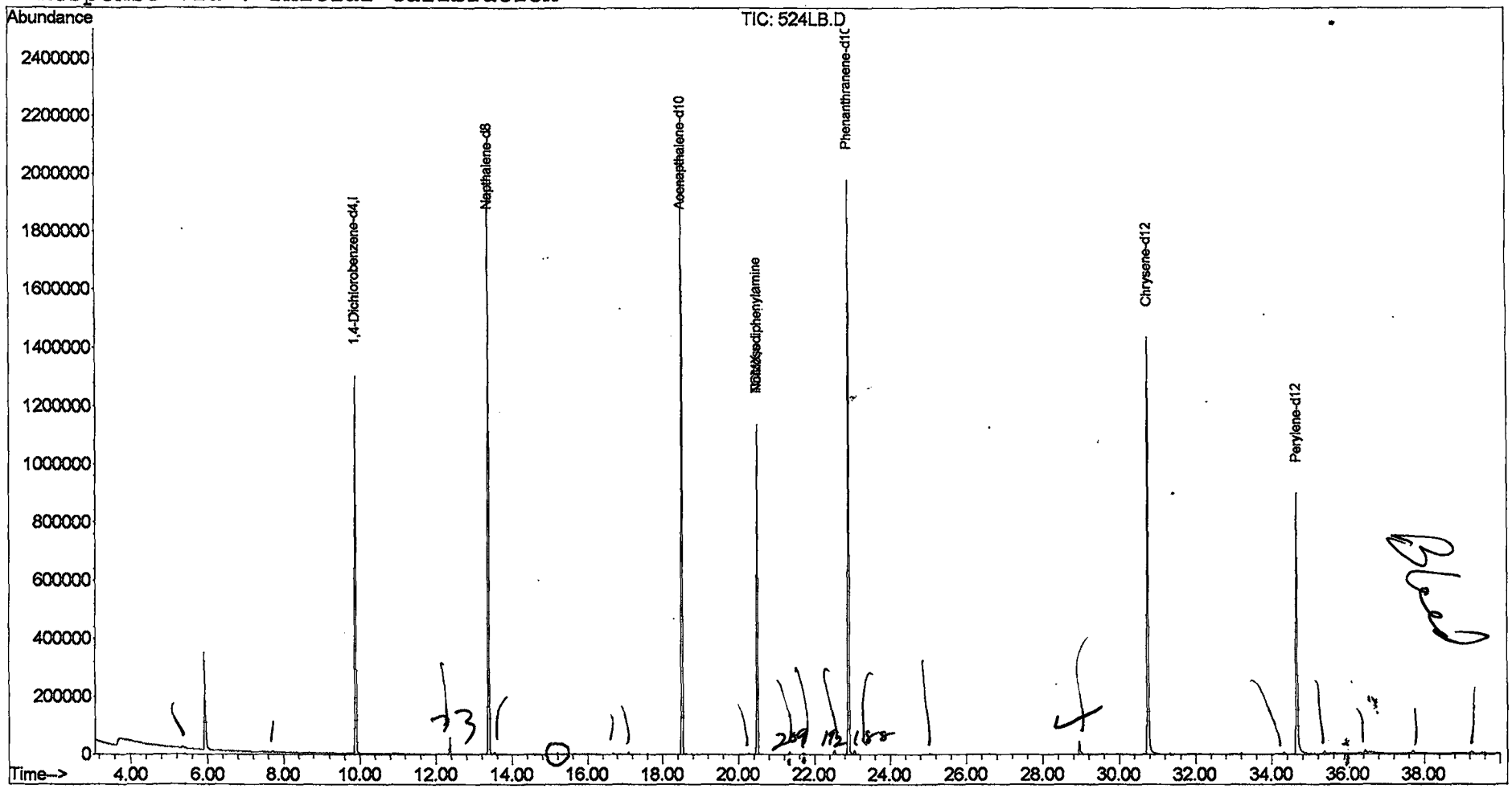
Quant Time: May 30 10:43 2002 Quant Results File: 052202.RES

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\052802\524LB.D Vial: 3
Acq On : 28 May 2002 3:56 pm Operator: McLean
Sample : 5/24 ad 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

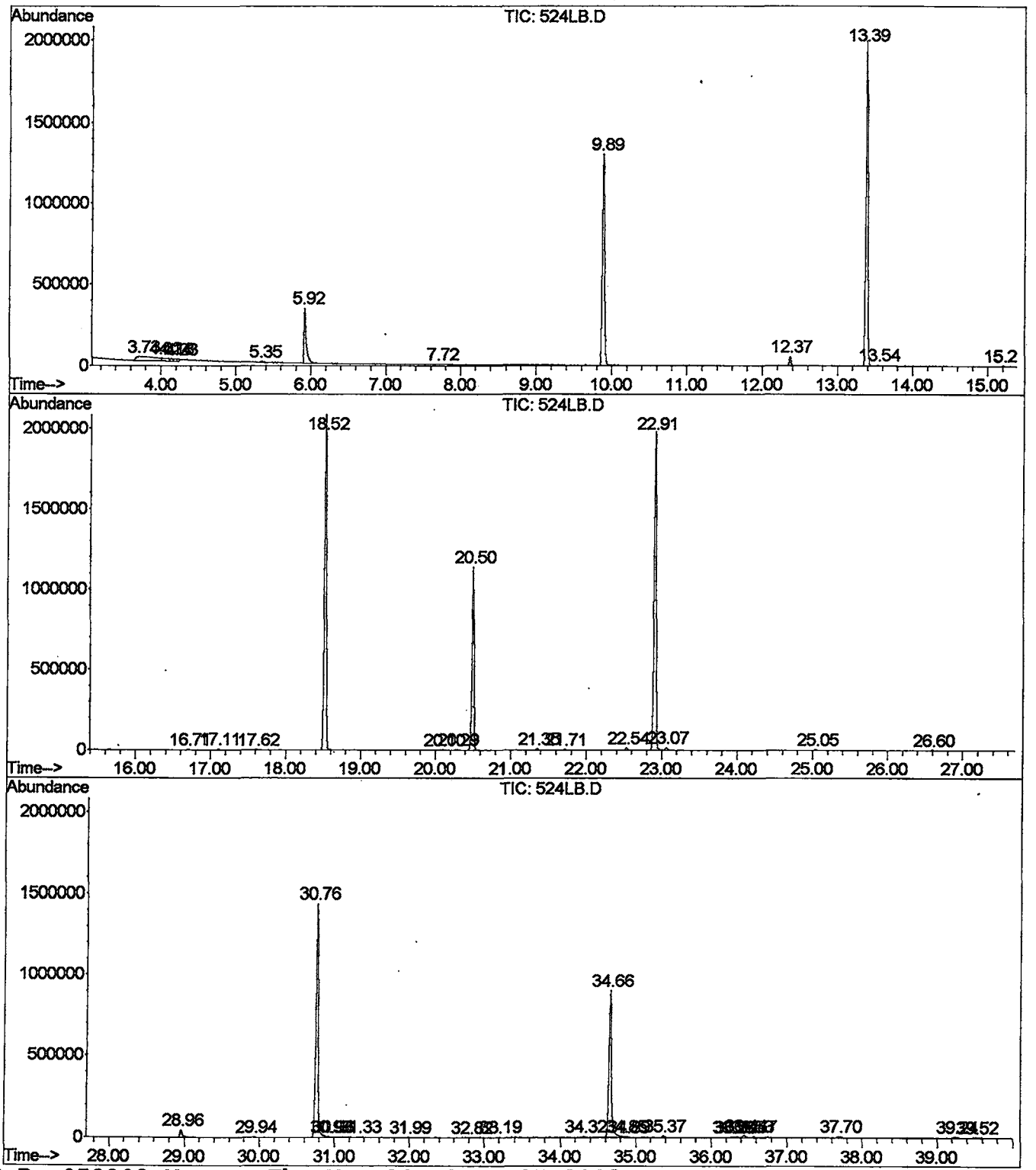
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.731	93	111	158	PV 5	25522	4512432	11.40%	1.933%
2	4.019	158	160	176	VV 7	18090	1056482	2.67%	0.453%
3	4.137	176	180	185	VV 4	16089	463924	1.17%	0.199%
4	4.178	185	187	193	VV 4	14848	398634	1.01%	0.171%
5	4.231	193	196	198	VV 4	13867	236498	0.60%	0.101%
6	5.353	379	387	400	VV 4	6604	265777	0.67%	0.114%
7	5.923	477	484	512	PV	322848	6939876	17.54%	2.974%
8	7.715	784	789	802	PV 5	2636	77725	0.20%	0.033%
9	9.889	1146	1159	1176	PV	1286598	26352451	66.59%	11.291%
10	12.368	1575	1581	1588	VV	55814	842685	2.13%	0.361%
11	13.385	1743	1754	1775	PV	1936481	35622394	90.02%	15.263%
12	13.538	1775	1780	1788	VV	5358	93928	0.24%	0.040%
13	15.206	2056	2064	2072	PV 2	4541	73637	0.19%	0.032%
14	16.710	2312	2320	2327	PV 4	2260	47874	0.12%	0.021%
15	17.104	2382	2387	2396	VV 3	6063	88808	0.22%	0.038%
16	17.621	2467	2475	2481	VV 3	2435	41446	0.10%	0.018%
17	18.526	2611	2629	2648	PV	2088400	39100521	98.81%	16.753%
18	20.101	2886	2897	2902	VV 2	1903	48840	0.12%	0.021%
19	20.283	2918	2928	2936	PV 4	3252	52483	0.13%	0.022%
20	20.500	2949	2965	2980	VV	1114140	21212758	53.60%	9.089%
21	21.352	3102	3110	3119	BV 2	8068	128245	0.32%	0.055%
22	21.716	3165	3172	3177	PV 3	4497	82179	0.21%	0.035%
23	22.539	3296	3312	3319	PV 3	13341	244677	0.62%	0.105%
24	22.909	3360	3375	3394	PV 2	1993206	39573390	100.00%	16.956%
25	23.068	3394	3402	3415	VV	14216	292215	0.74%	0.125%
26	25.048	3733	3739	3753	PV	3566	64419	0.16%	0.028%
27	26.599	3989	4003	4010	PV 2	1930	24614	0.06%	0.011%
28	28.961	4395	4405	4430	PV 2	43867	1011310	2.56%	0.433%
29	29.936	4566	4571	4577	PV 3	2268	33457	0.08%	0.014%
30	30.759	4699	4711	4740	VV 2	1447977	31397933	79.34%	13.453%
31	30.935	4740	4741	4743	VV 2	3791	38511	0.10%	0.017%
32	30.959	4743	4745	4752	VV 3	3061	67651	0.17%	0.029%
33	31.335	4805	4809	4821	VV 3	2613	63107	0.16%	0.027%
34	31.993	4913	4921	4934	PV 3	1697	29486	0.07%	0.013%
35	32.815	5048	5061	5067	VV 6	1719	71432	0.18%	0.031%
36	33.197	5118	5126	5138	VV 3	3615	75571	0.19%	0.032%
37	34.320	5309	5317	5324	VV 3	6353	132580	0.34%	0.057%

38	34.654	5362	5374	5407	VV	2	890694	21016669	53.11%	9.005%
39	34.854	5407	5408	5410	VV	2	4067	40820	0.10%	0.017%
40	34.884	5410	5413	5419	VV	4	3452	82709	0.21%	0.035%
41	35.371	5490	5496	5506	VV	5	9263	217617	0.55%	0.093%
42	36.282	5644	5651	5652	VV	5	3056	60917	0.15%	0.026%
43	36.300	5652	5654	5657	VV	4	2940	43330	0.11%	0.019%
44	36.441	5670	5678	5689	VV	7	11423	356535	0.90%	0.153%
45	36.535	5689	5694	5696	VV	4	3869	75539	0.19%	0.032%
46	36.570	5696	5700	5712	VV	8	4746	235074	0.59%	0.101%
47	37.704	5878	5893	5903	PV	6	6939	205521	0.52%	0.088%
48	39.243	6142	6155	6165	PV	7	5529	190327	0.48%	0.082%
49	39.519	6200	6202	6204	PV	2	747	3663	0.01%	0.002%

Sum of corrected areas: 233388668

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052802\524LB.D
Operator : McLean
Acquired : 28 May 2002 3:56 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/24 ad
Misc Info :
Vial Number: 3
Quant File :052202.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\052802\524LB.D Vial: 3
Acq On : 28 May 2002 3:56 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

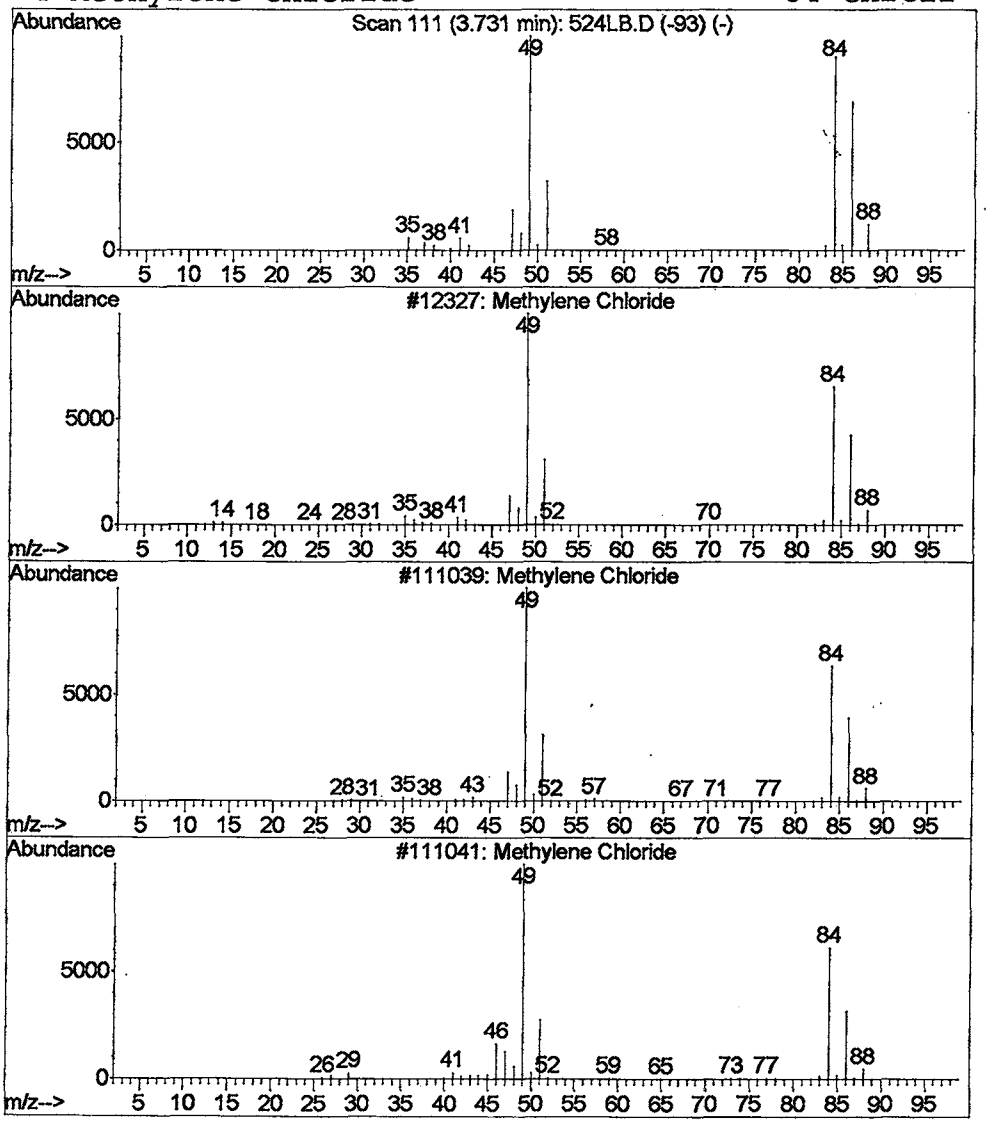
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

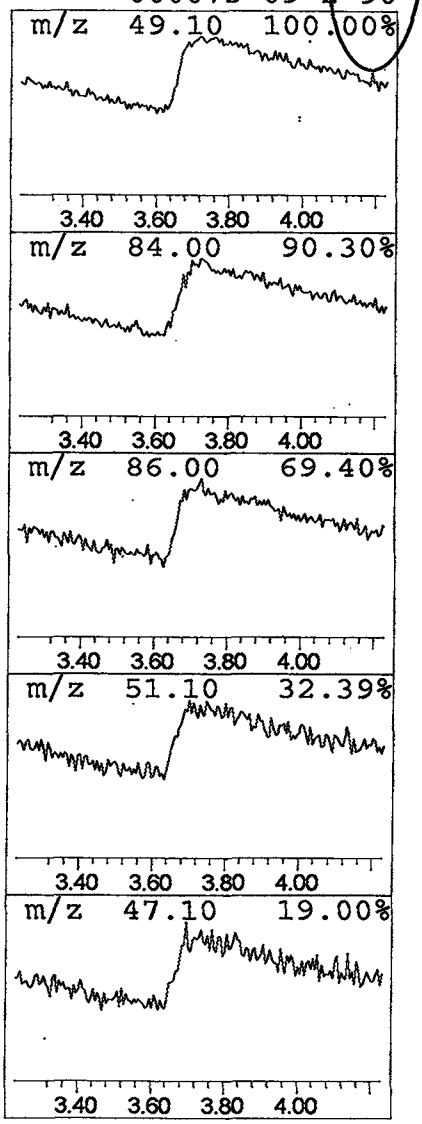
****

Peak Number 1 Methylene Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	6.85 ug/L	4512430	1,4-Dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	94
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	90





Data File : C:\MSDCHEM\1\DATA\052802\524LB.D
Acq On : 28 May 2002 3:56 pm
Sample : 5/24 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 3
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

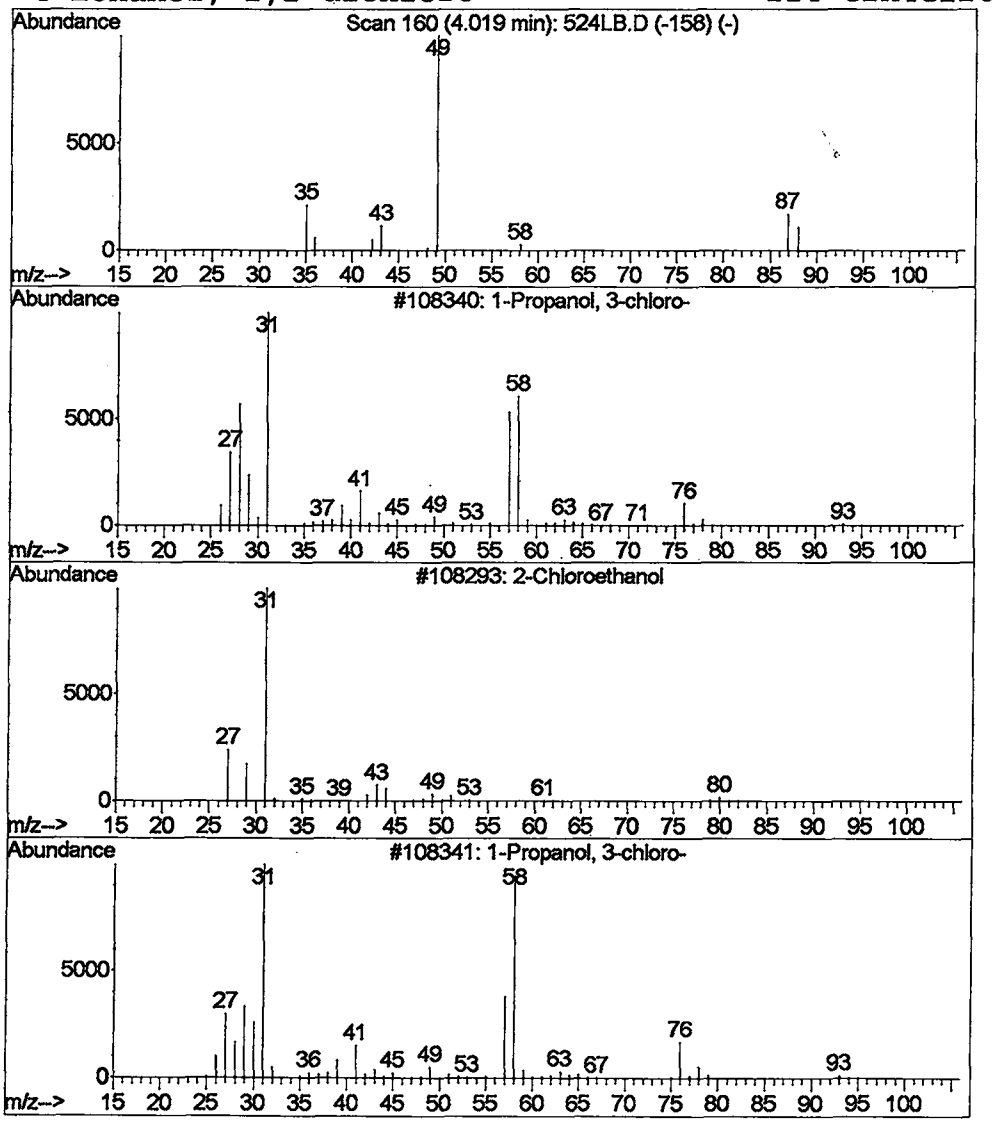
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

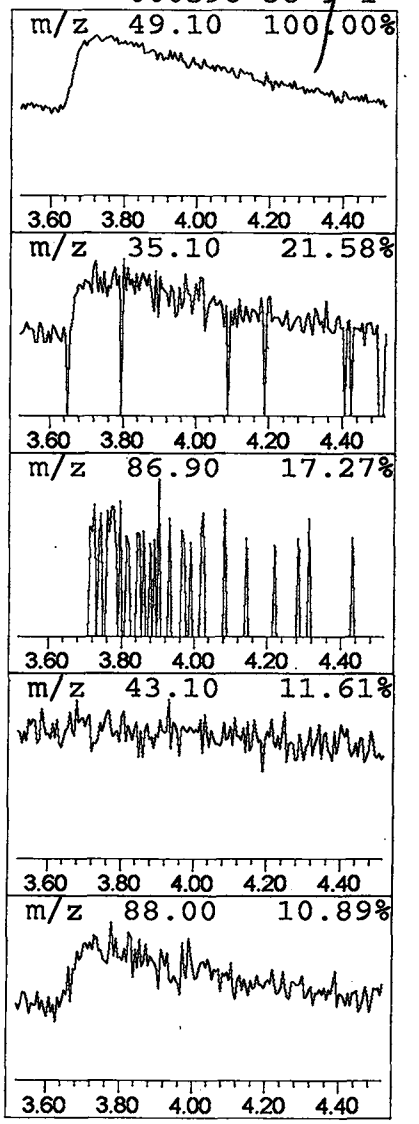
****

Peak Number 2 1-Propanol, 3-chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	1.60 ug/L	1056480	1,4-Dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 3-chloro-	94	C3H7ClO	000627-30-5	1
2	2-Chloroethanol	80	C2H5ClO	000107-07-3	1
3	1-Propanol, 3-chloro-	94	C3H7ClO	000627-30-5	1
4	Ethanol, 2,2-dichloro-	114	C2H4Cl2O	000598-38-9	1





Data File : C:\MSDCHEM\1\DATA\052802\524LB.D
Acq On : 28 May 2002 3:56 pm
Sample : 5/24 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 3
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

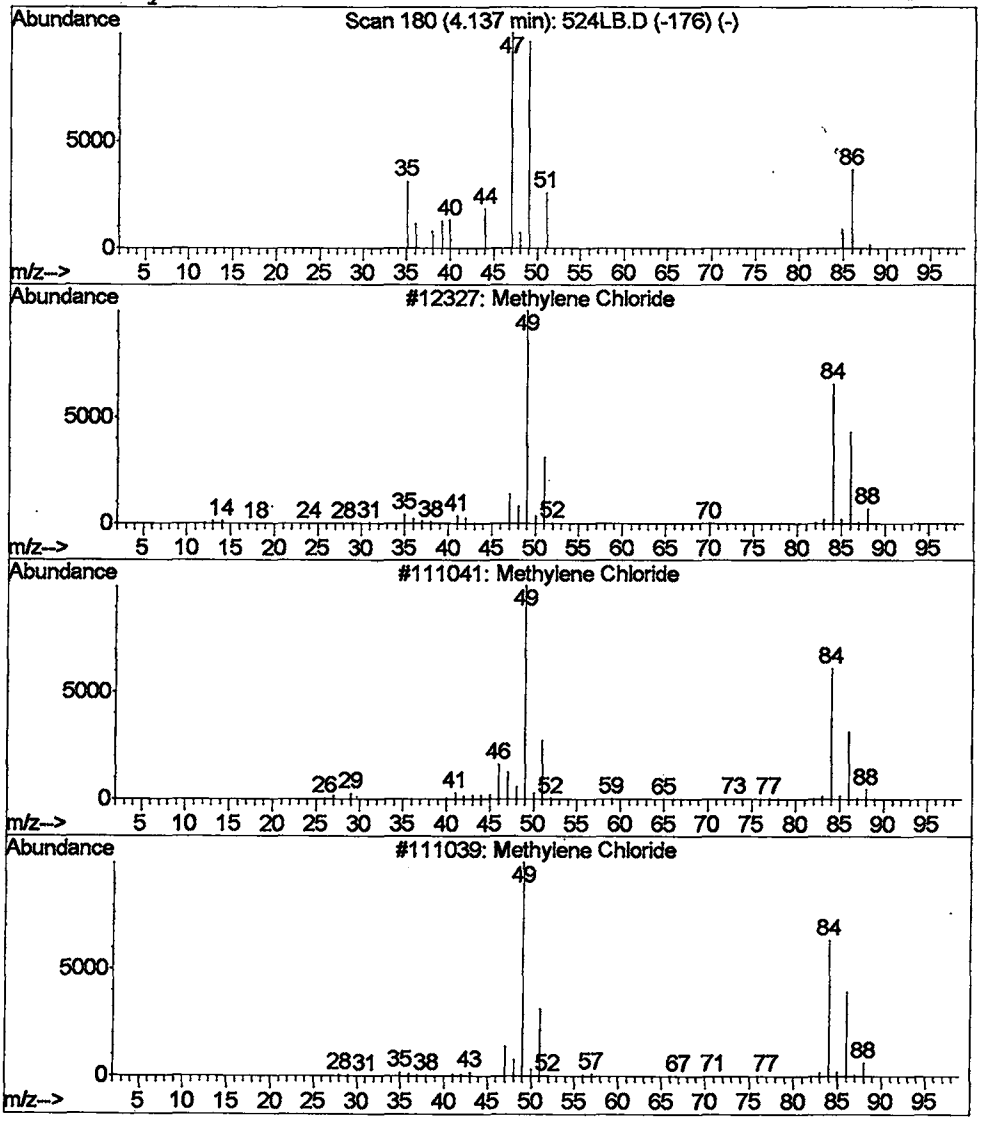
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

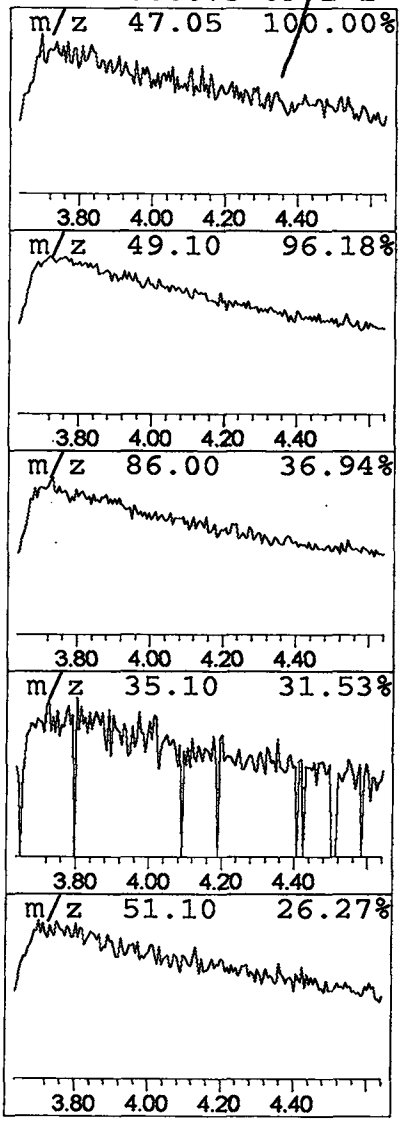
****

Peak Number 3 Methylene Chloride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.14	0.70 ug/L	463924	1,4-Dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	50
2	Methylene Chloride	84	CH2Cl2	000075-09-2	36
3	Methylene Chloride	84	CH2Cl2	000075-09-2	36
4	Methylene Chloride	84	CH2Cl2	000075-09-2	2





Data File : C:\MSDCHEM\1\DATA\052802\524LB.D Vial: 3
Acq On : 28 May 2002 3:56 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

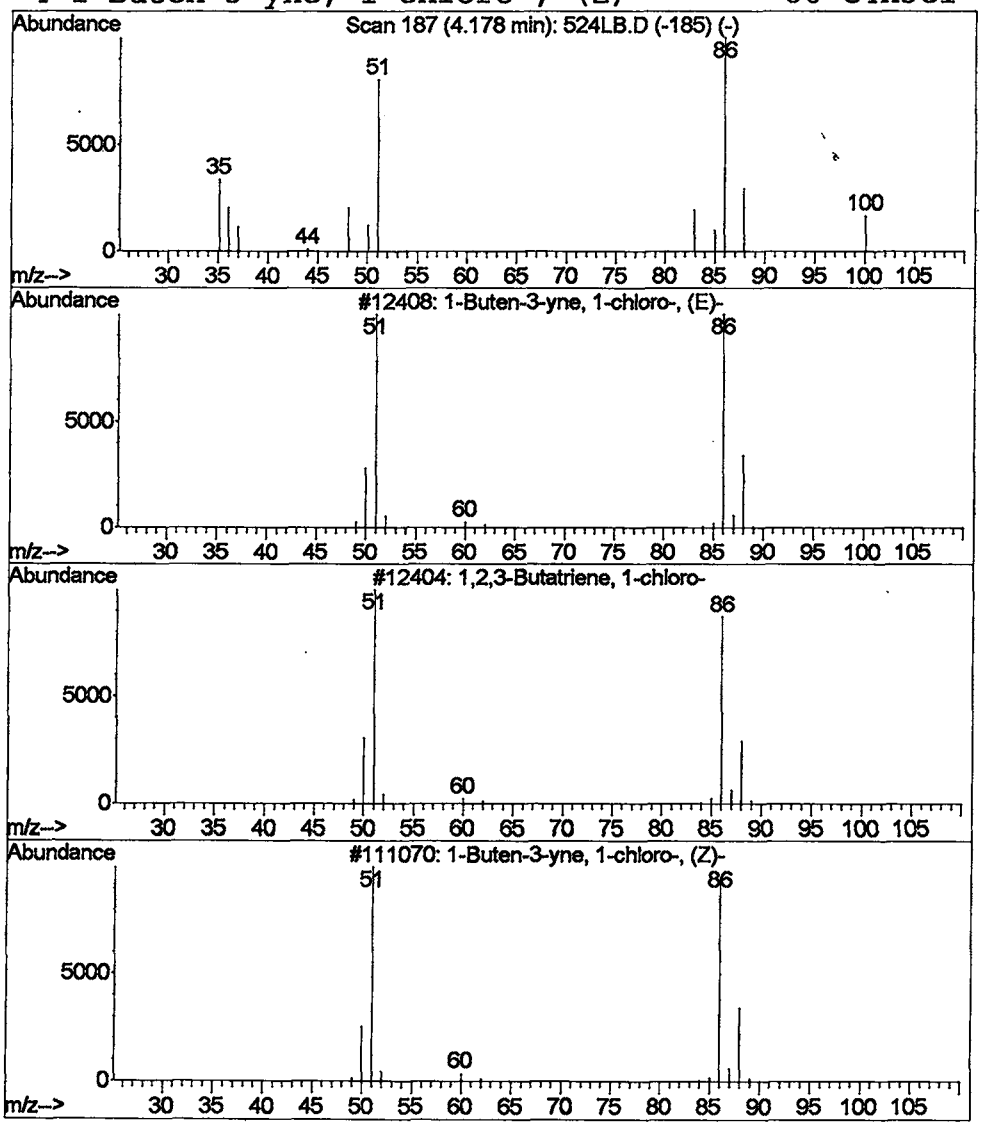
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

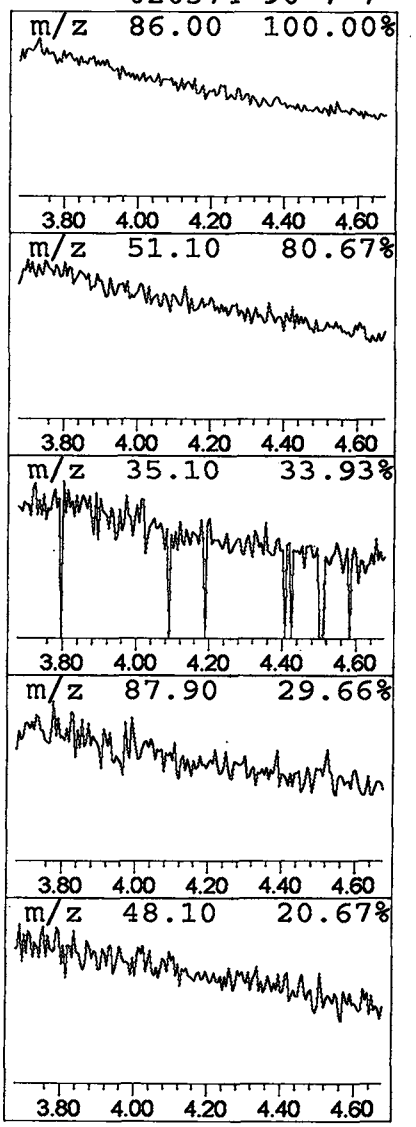
****

Peak Number 4 1-Buten-3-yne, 1-chloro-, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.18	0.61 ug/L	398634	1,4-Dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Buten-3-yne, 1-chloro-, (E)-	86	C4H3Cl	020374-91-8	83
2	1,2,3-Butatriene, 1-chloro-	86	C4H3Cl	020658-21-3	83
3	1-Buten-3-yne, 1-chloro-, (Z)-	86	C4H3Cl	020374-90-7	83
4	1-Buten-3-yne, 1-chloro-, (Z)-	86	C4H3Cl	020374-90-7	7





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Acq On : 28 May 2002 3:56 pm Operator: McLean
Sample : 5/24 ad 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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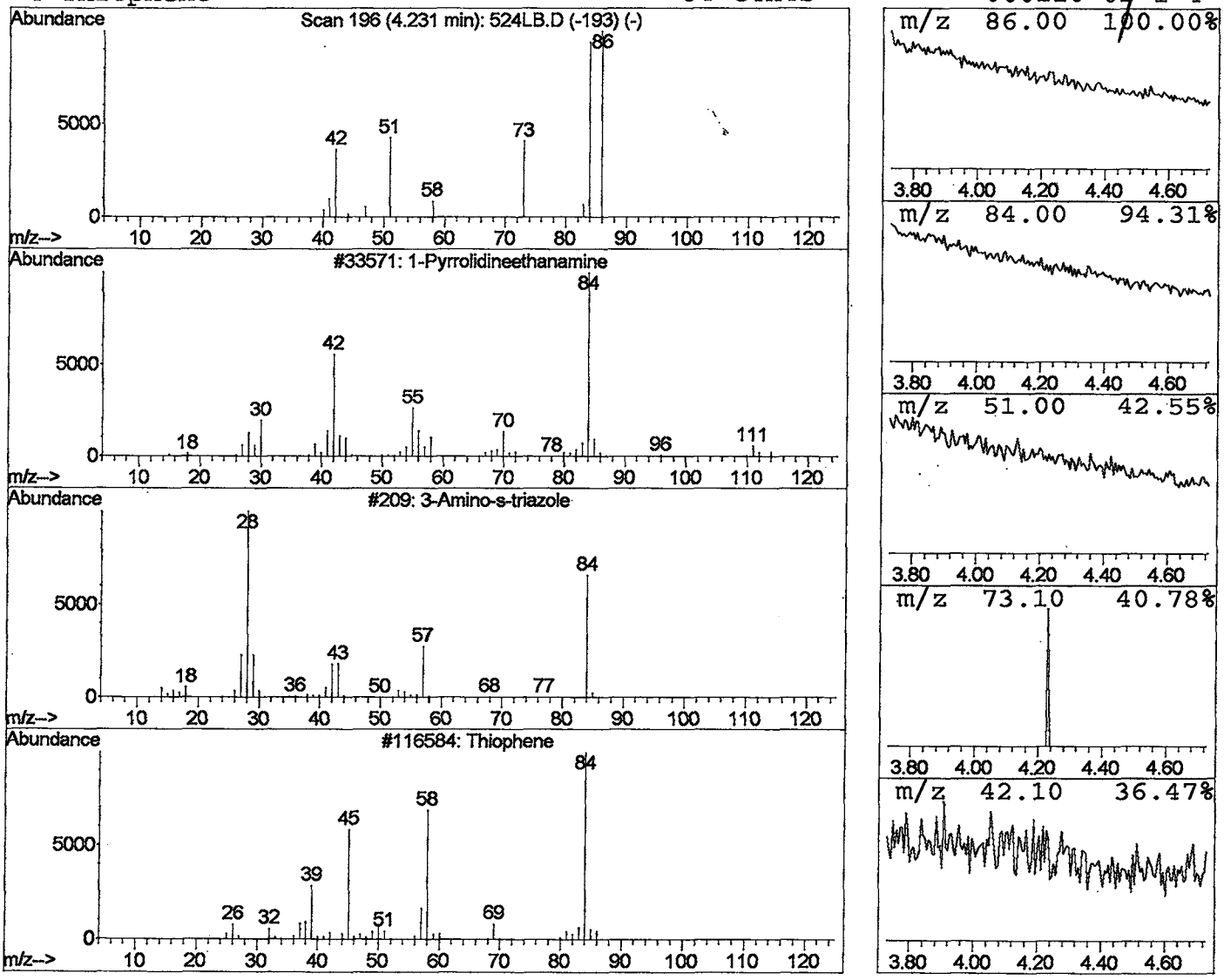
Peak Number 5 1-Pyrrolidineethanamine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.23	0.36 ug/L	236498	1,4-Dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pyrrolidineethanamine	114	C6H14N2	007154-73-6	9
2	3-Amino-s-triazole	84	C2H4N4	000061-82-5	4
3	Thiophene	84	C4H4S	000110-02-1	4
4	Thiophene	84	C4H4S	000110-02-1	4



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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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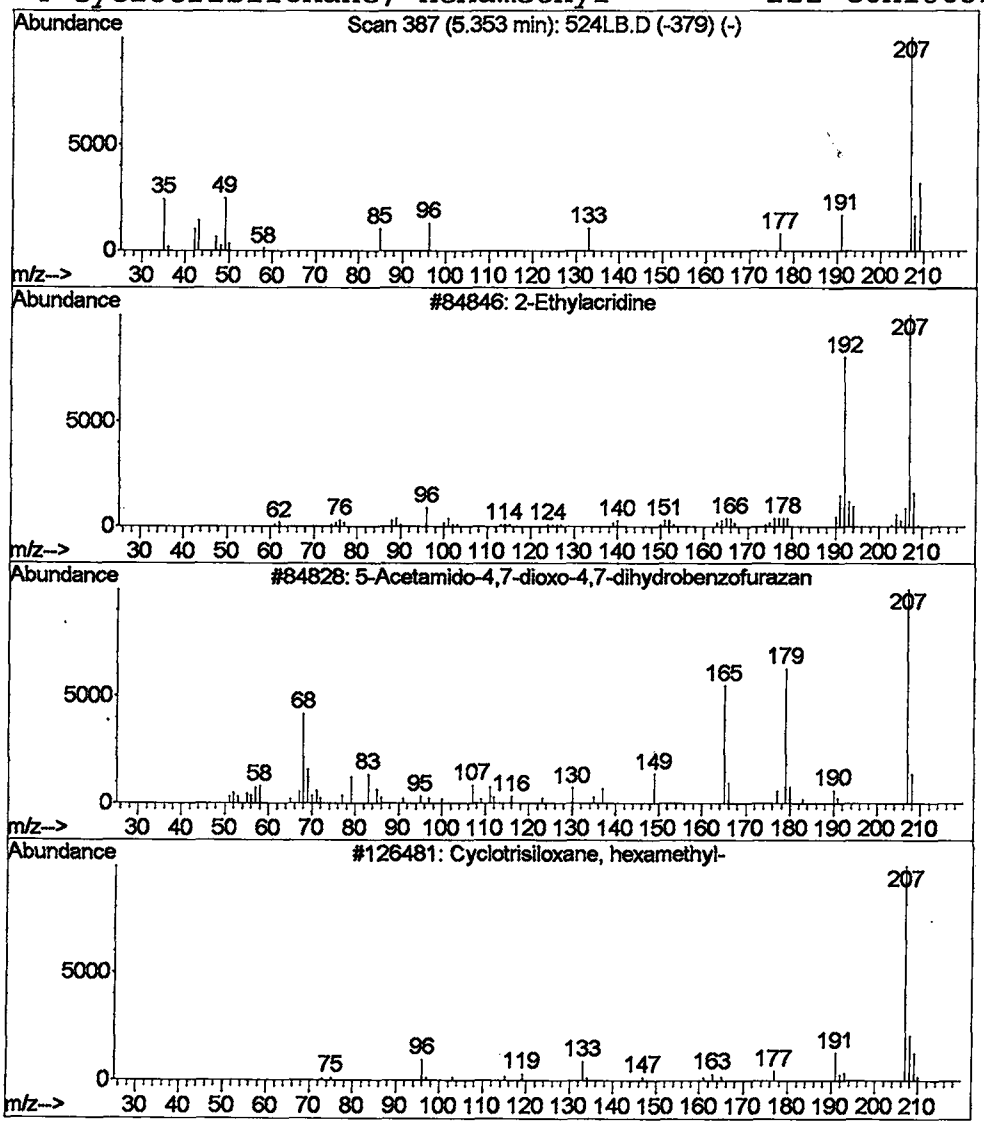
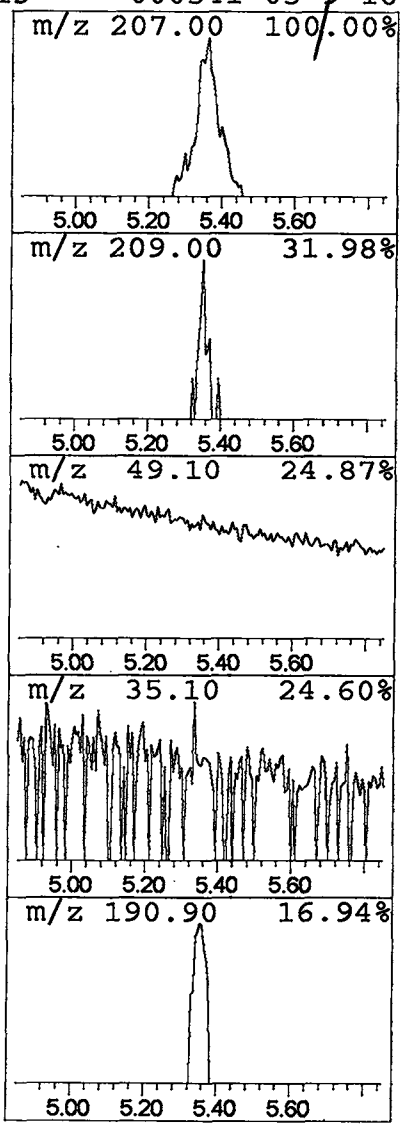
Peak Number 6 2-Ethylacridine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.35	0.40 ug/L	265777	1,4-Dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethylacridine	207	C15H13N	1000147-64-9	53
2	5-Acetamido-4,7-dioxo-4,7-dihydr...	207	C8H5N3O4	1000110-74-1	40
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	39
4	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	16





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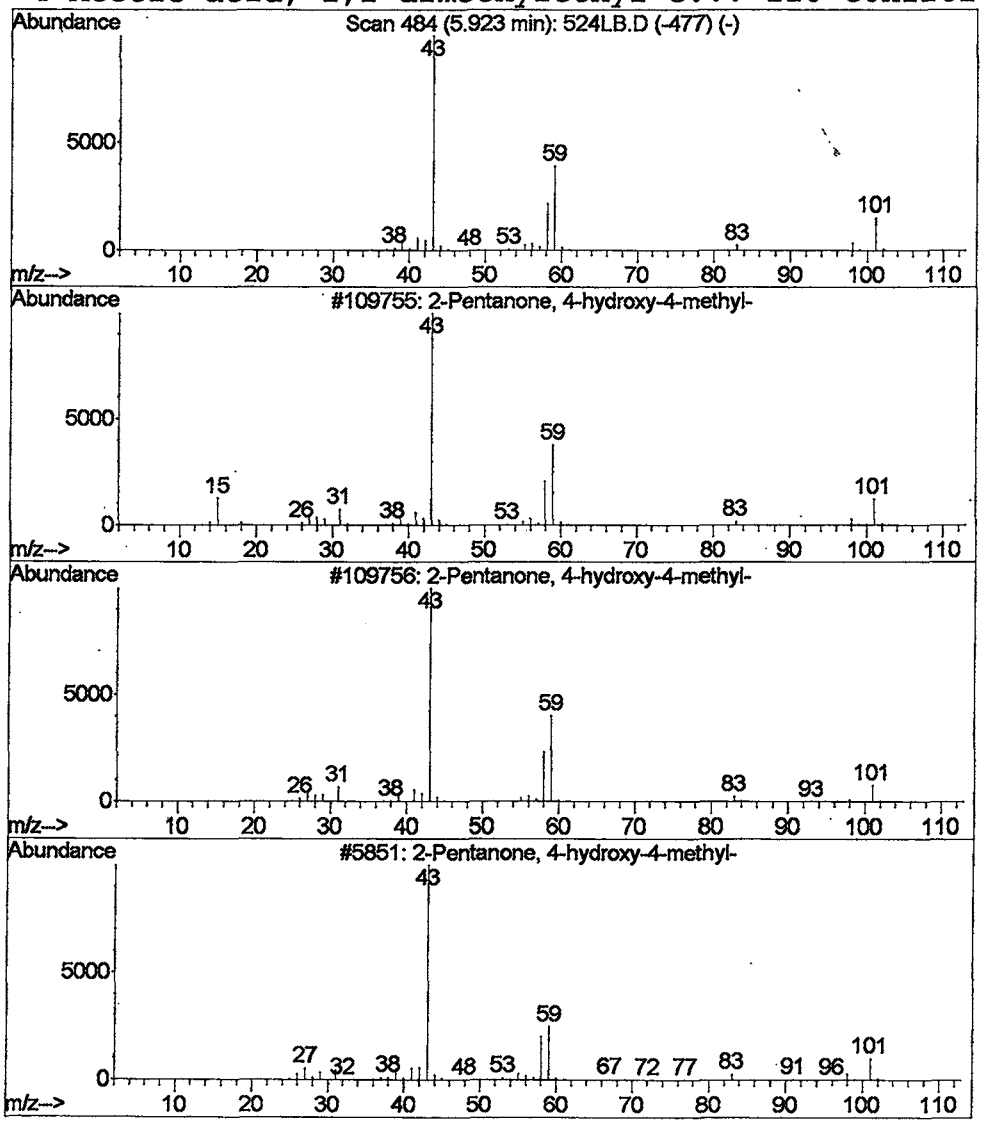
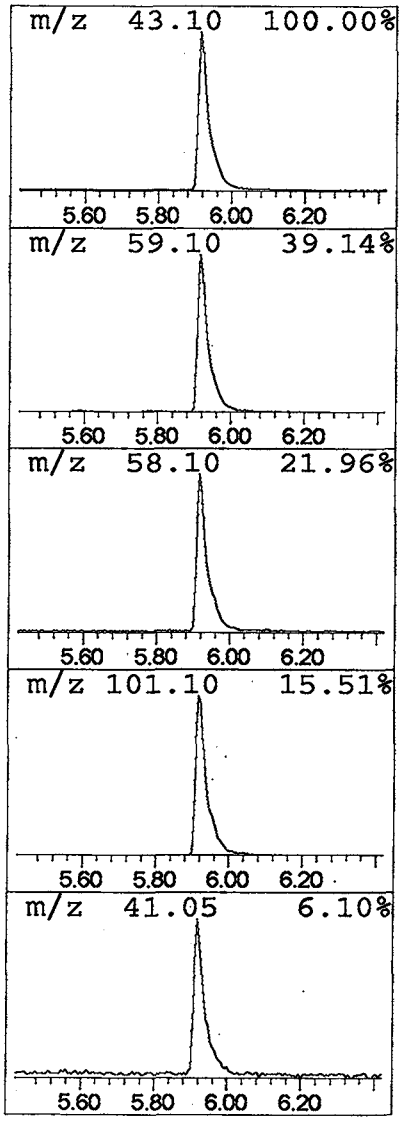
Peak Number 7 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	10.53 ug/L	6939880	1,4-Dichlorobenzene-d4	9.89

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	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	25





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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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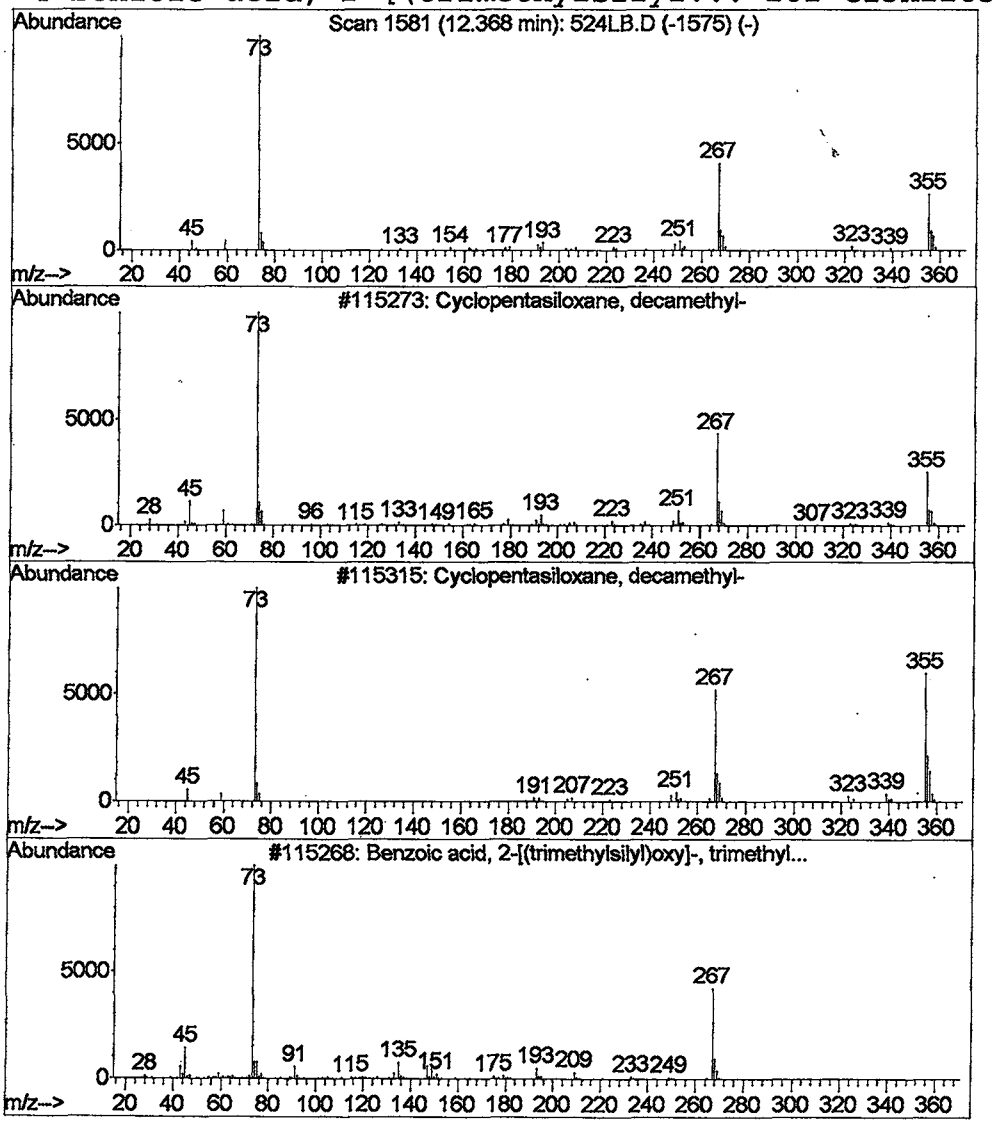
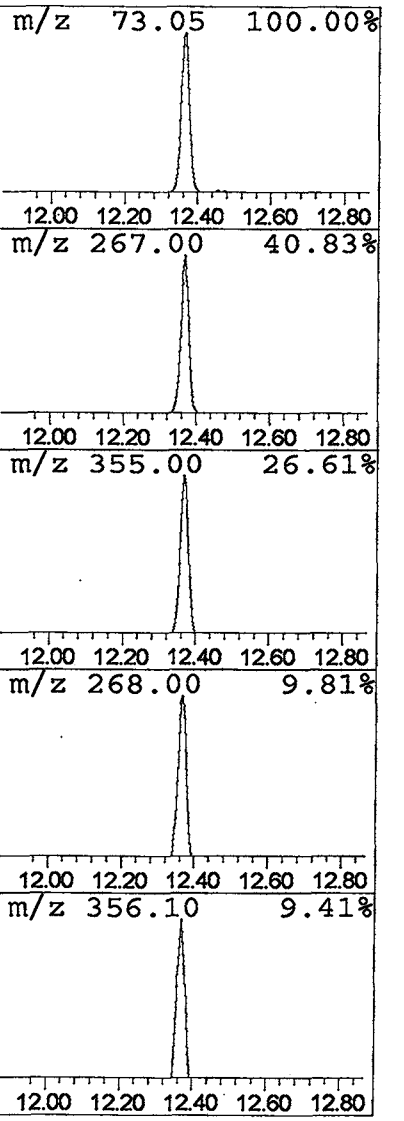
Peak Number 8 Cyclopentasiloxane, decamet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	0.95 ug/L	842685	Napthalene-d8	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	64
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	50
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38





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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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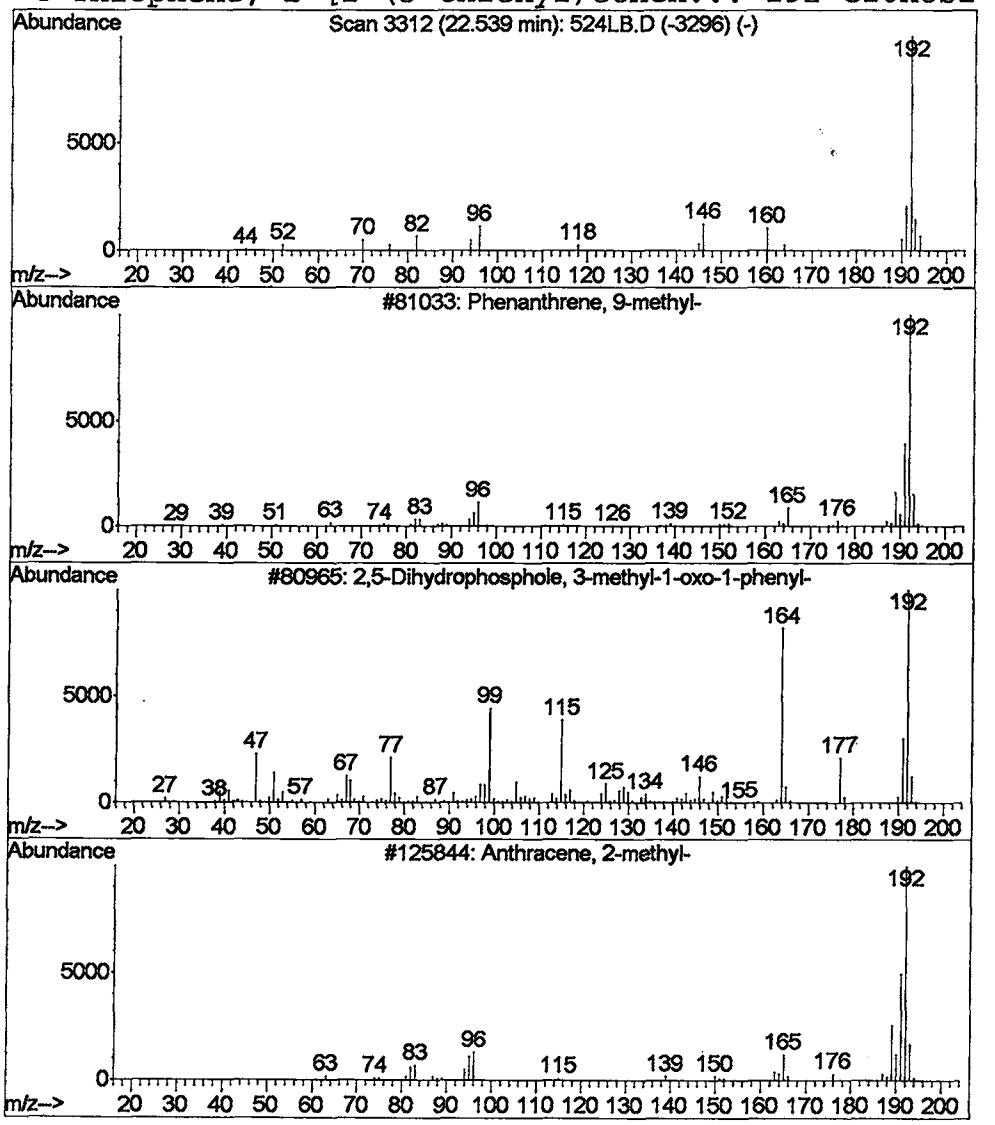
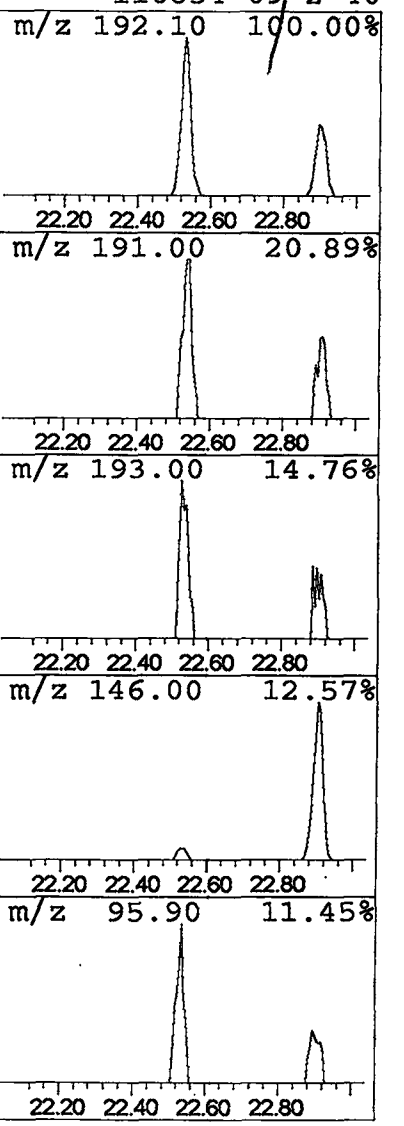
Peak Number 9 Phenanthrene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	0.25 ug/L	244677	Phenanthranene-d10	22.91

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, 2-methyl-	192	C15H12	000613-12-7	40
4	Thiophene, 2-[2-(3-thienyl)ethen...	192	C10H8S2	116854-09-2	40





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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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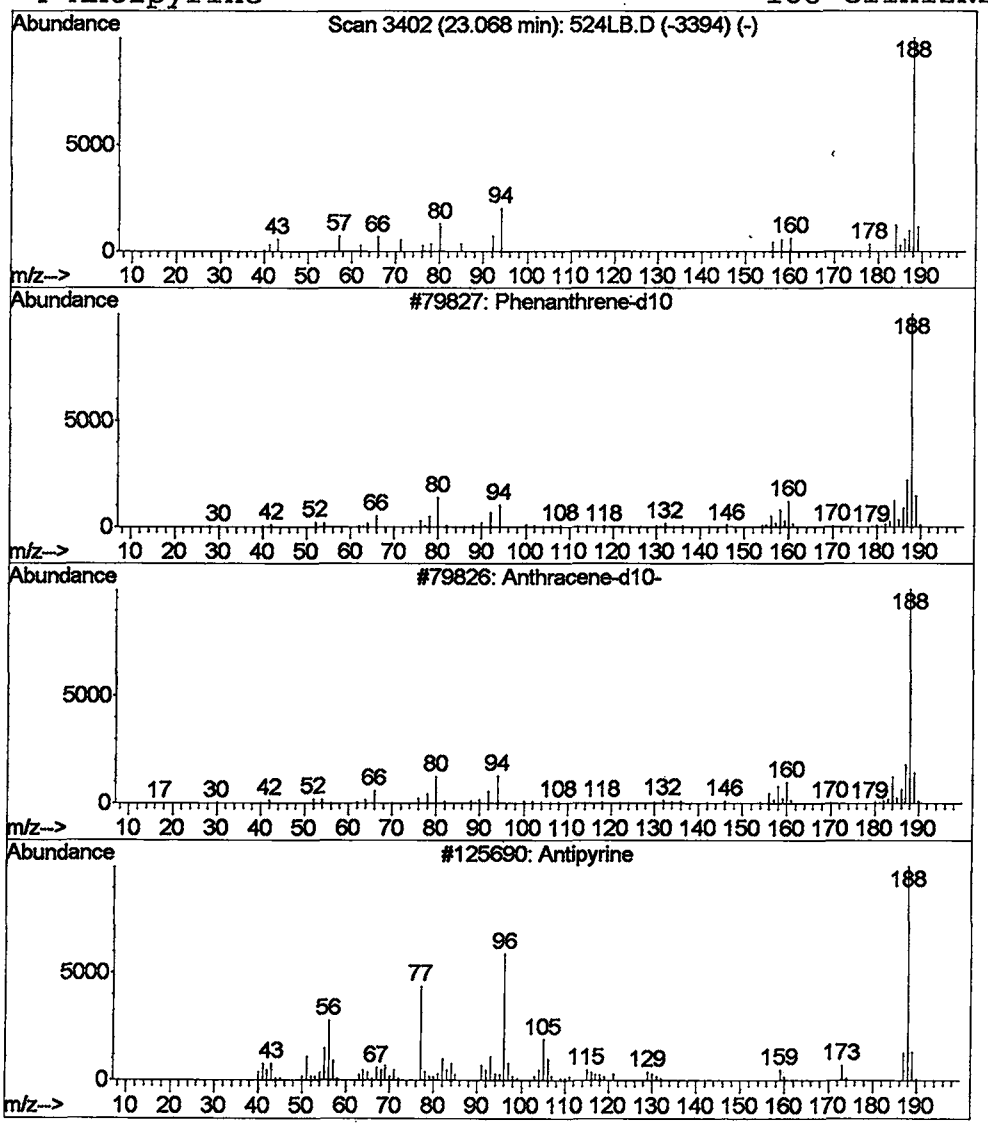
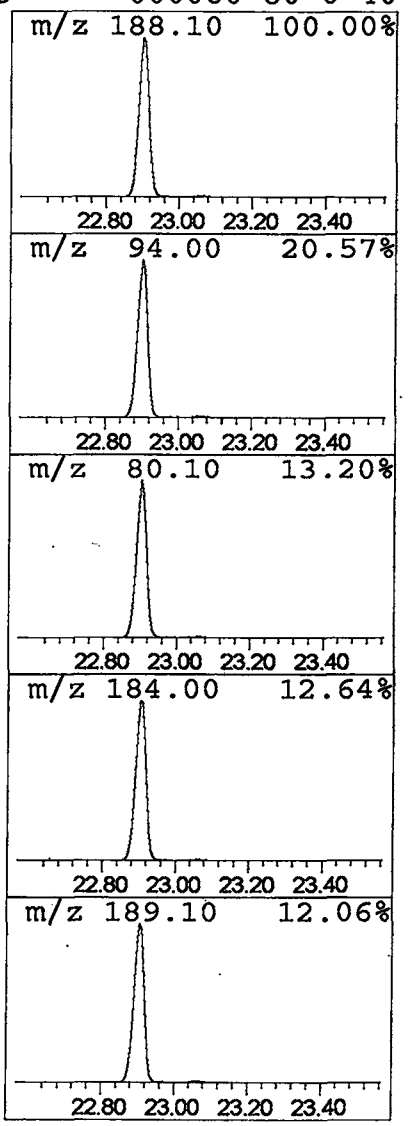
Peak Number 10 Phenanthrene-d10 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.07	0.30 ug/L	292215	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	64
2	Anthracene-d10-	188	C14D10	001719-06-8	47
3	Antipyrine	188	C11H12N2O	000060-80-0	40
4	Antipyrine	188	C11H12N2O	000060-80-0	40





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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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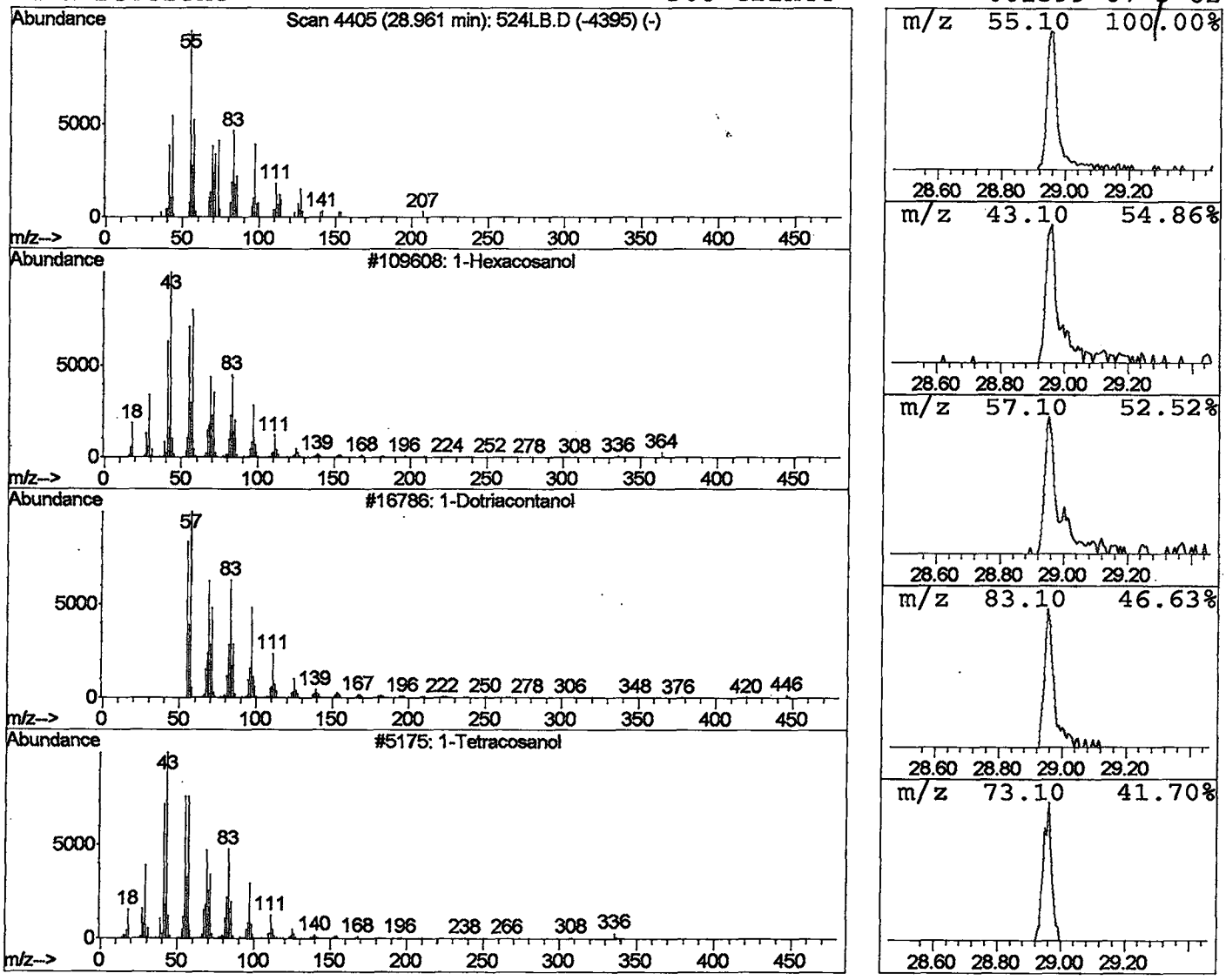
Peak Number 11 1-Hexacosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.96	1.29 ug/L	1011310	Chrysene-d12	30.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosanol	382	C26H54O	000506-52-5	74
2	1-Dotriacontanol	467	C32H66O	006624-79-9	70
3	1-Tetracosanol	354	C24H50O	000506-51-4	62
4	1-Docosene	308	C22H44	001599-67-3	62



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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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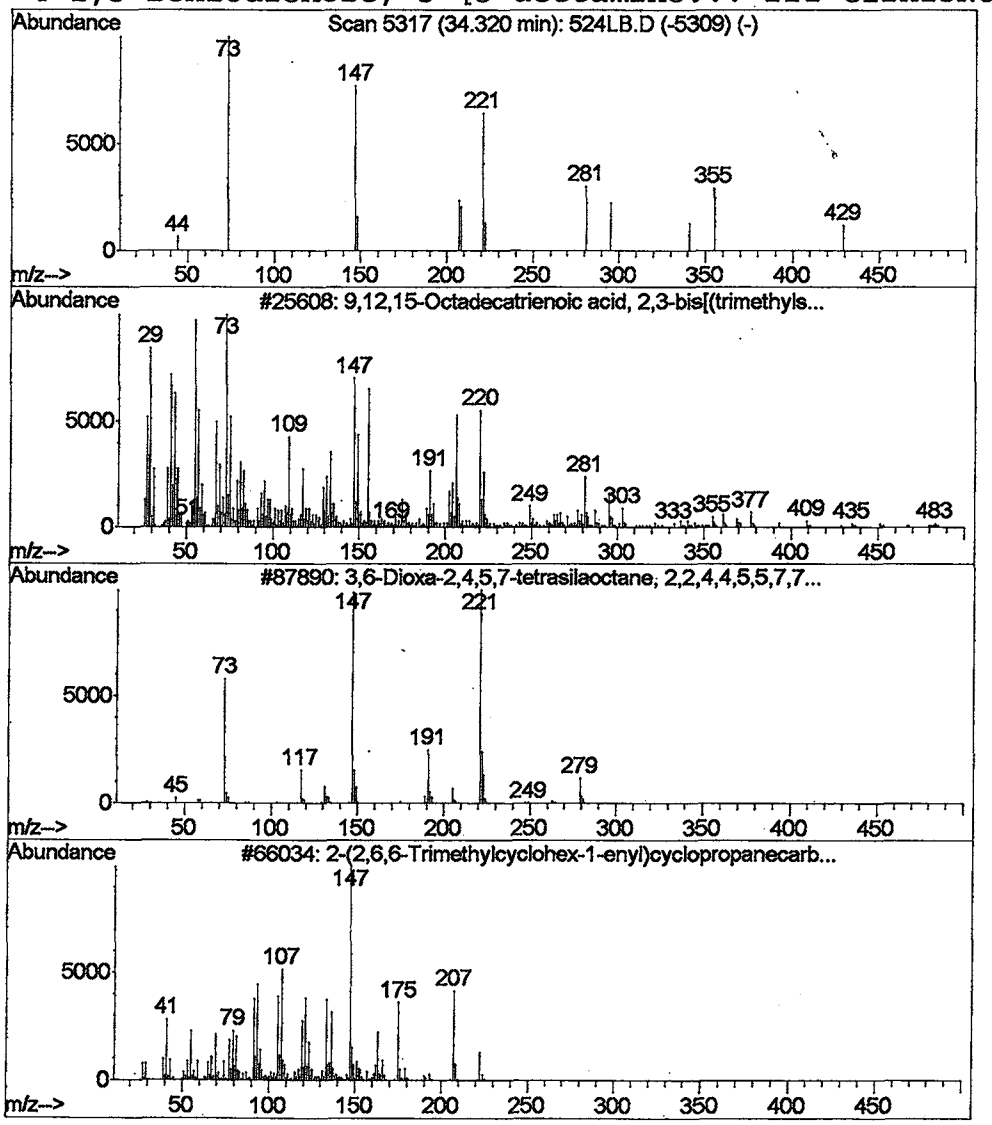
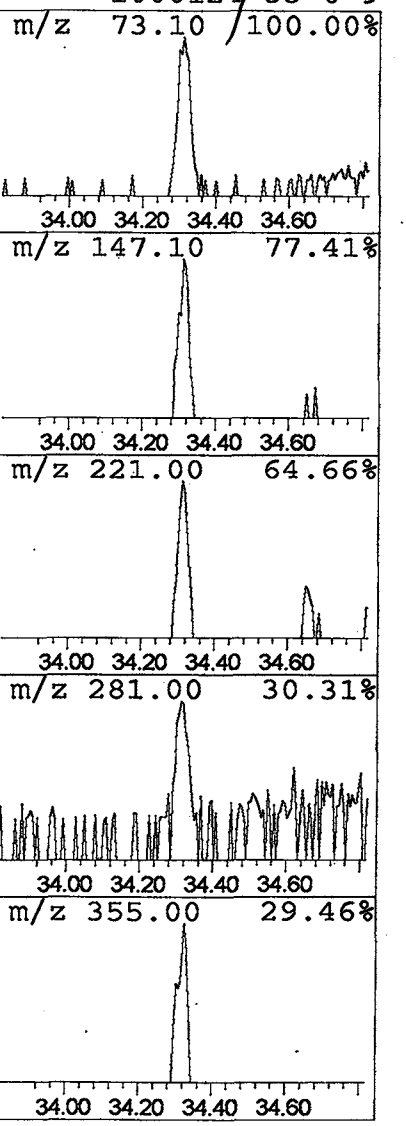
Peak Number 12 9,12,15-Octadecatrienoic ac... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.32	0.25 ug/L	132580	Perylene-d12	34.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12,15-Octadecatrienoic acid, 2...	496	C27H52O4Si2	055521-22-7	28
2	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	25
3	2-(2,6,6-Trimethylcyclohex-1-eny...	222	C14H22O2	1000185-64-1	22
4	1,3-Benzodioxole, 5-[3-acetamino...	221	C12H15NO3	1000124-33-0	9





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Acq On : 28 May 2002 3:56 pm
Sample : 5/24 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 3
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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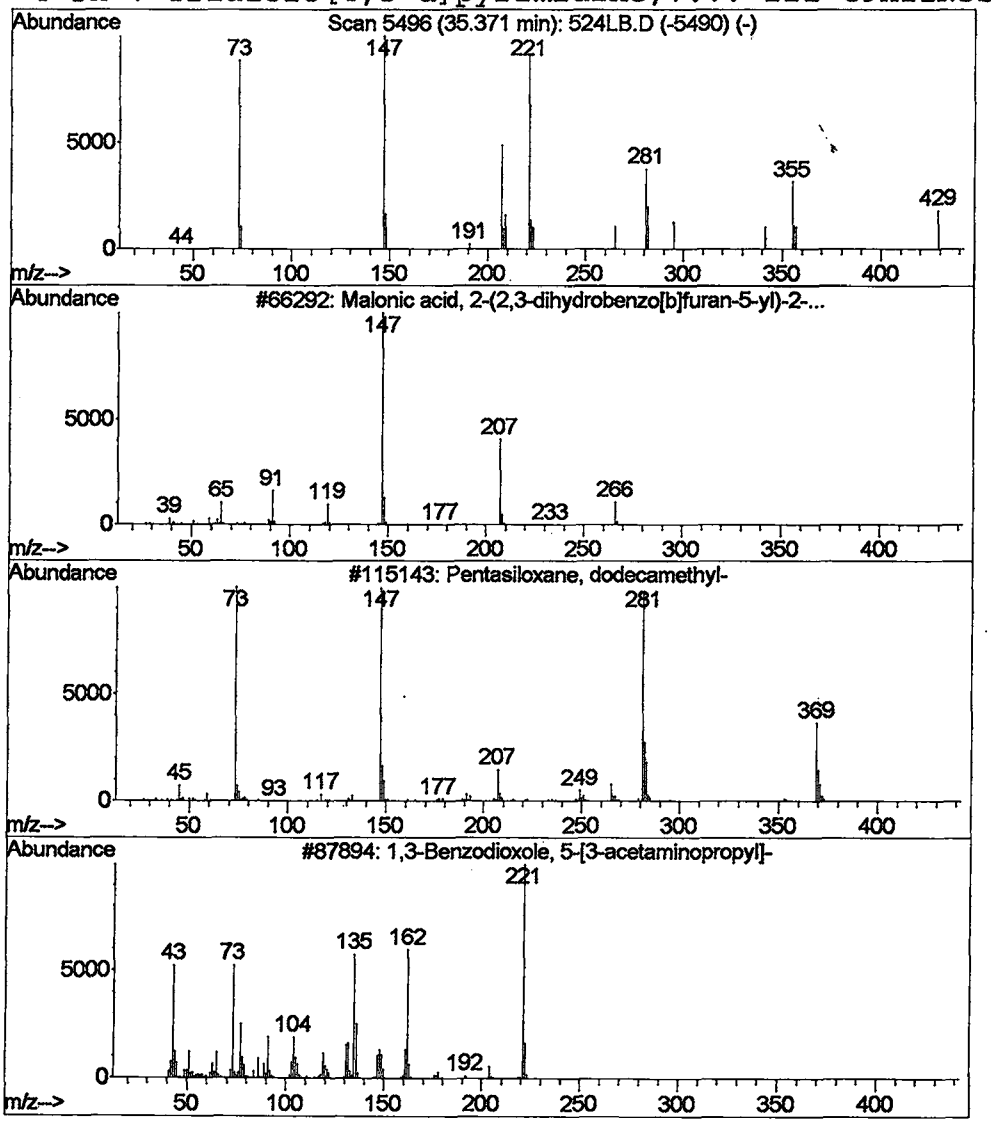
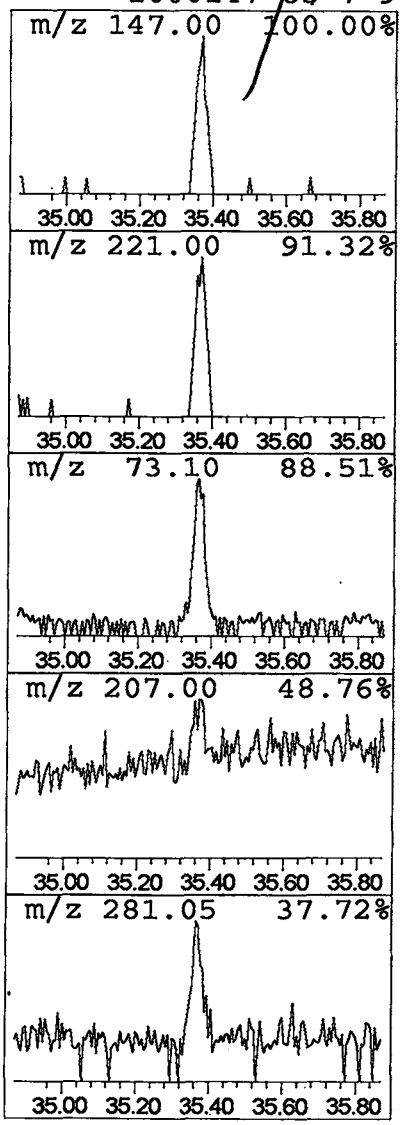
Peak Number 13 Malonic acid, 2-(2,3-dihydr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.37	0.41 ug/L	217617	Perylene-d12	34.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Malonic acid, 2-(2,3-dihydrobenz...	266	C13H14O6	1000158-50-7	12
2	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	10
3	1,3-Benzodioxole, 5-[3-acetamino...	221	C12H15NO3	1000124-33-0	9
4	3H-v-Triazolo[4,5-d]pyrimidine,7...	221	C9H11N5S	1000147-85-7	9





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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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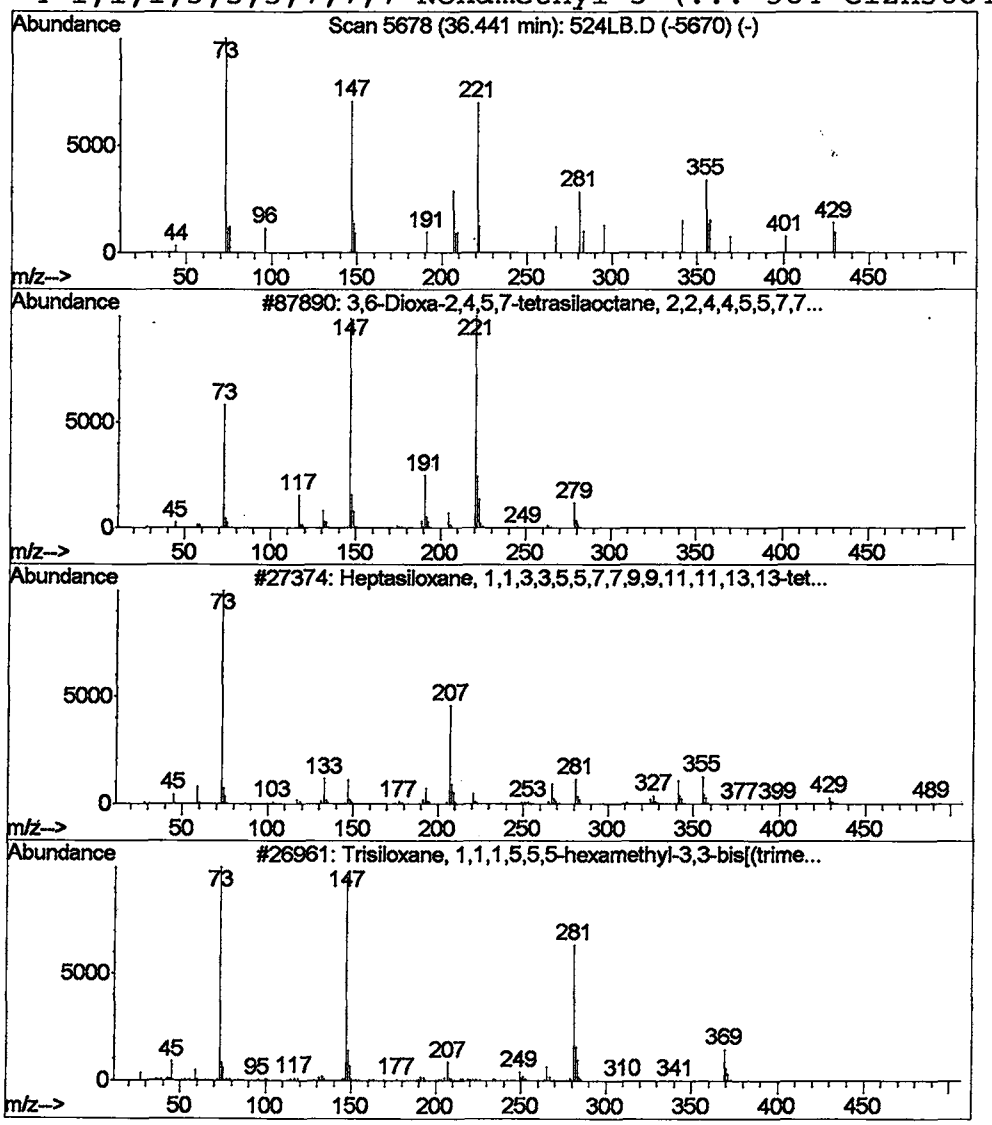
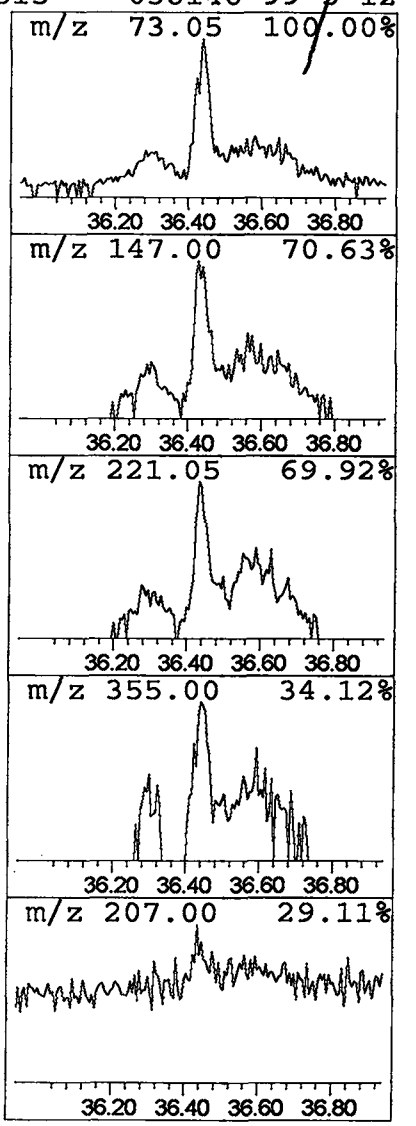
Peak Number 14 3,6-Dioxa-2,4,5,7-tetrasila... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.44	0.68 ug/L	356535	Perylene-d12	34.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	25
2	Heptasiloxane, 1,1,3,3,5,5,7,7,9...	504	C14H44O6Si7	019095-23-9	16
3	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	12
4	1,1,1,3,5,5,7,7,7-Nonamethyl-3-(...	384	C12H36O4Si5	038146-99-5	12





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MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
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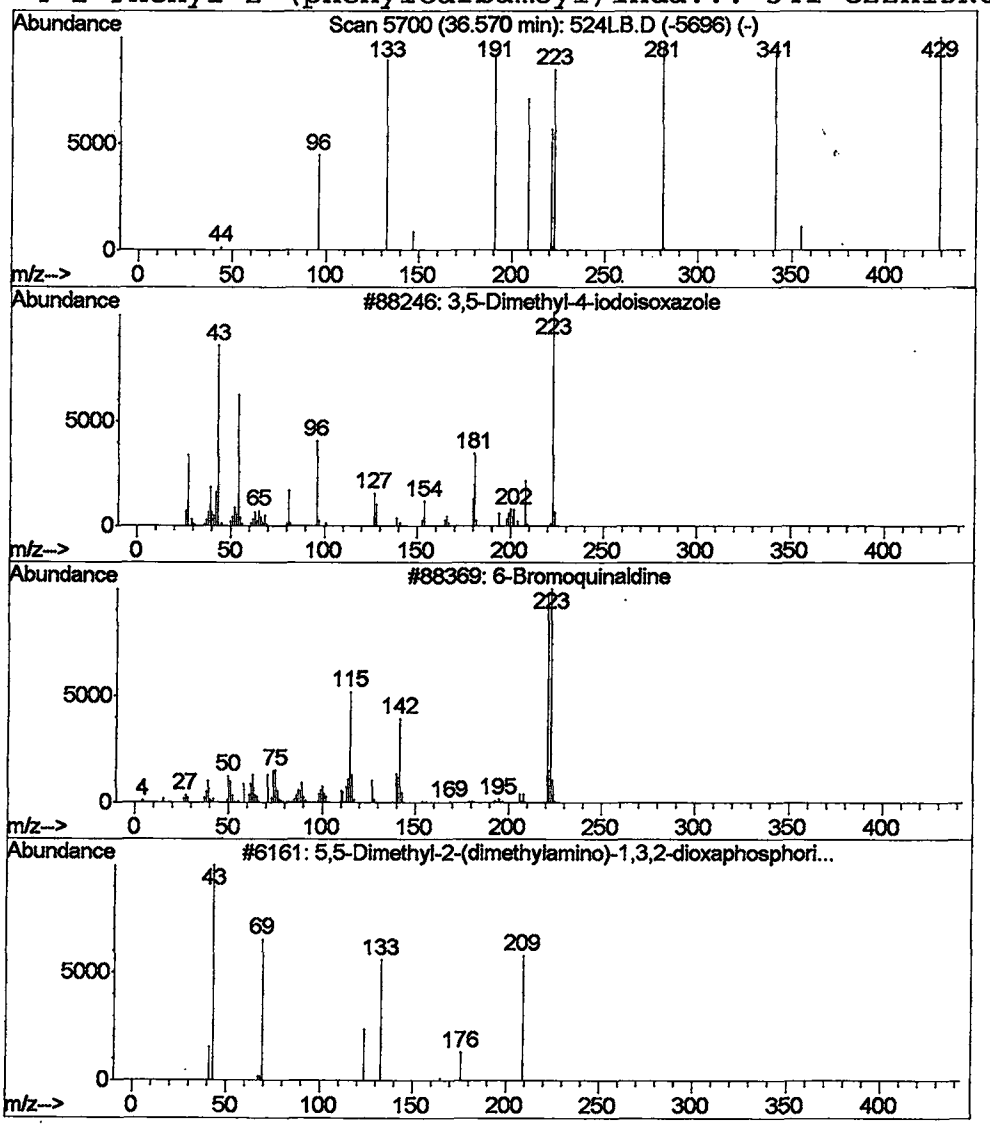
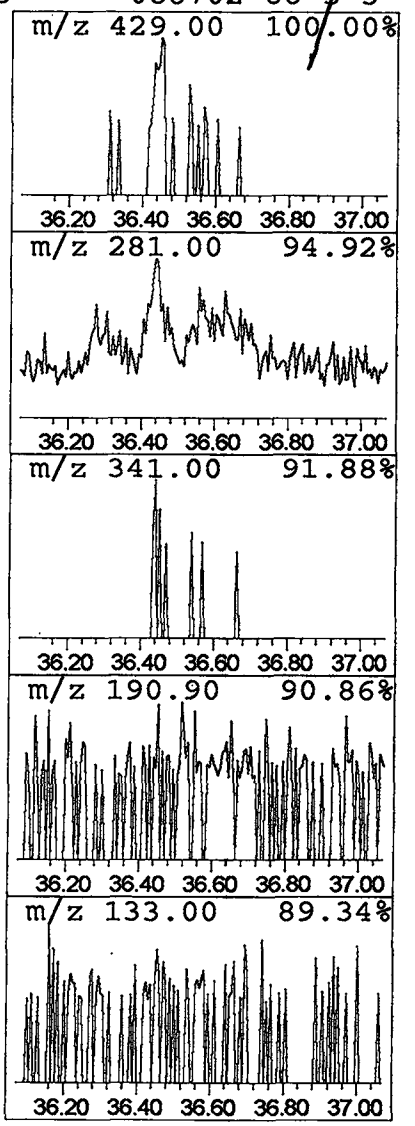
Peak Number 15 3,5-Dimethyl-4-iodoisoxazole Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.57	0.45 ug/L	235074	Perylene-d12	34.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-4-iodoisoxazole	223	C5H6INO	061314-41-8	9
2	6-Bromoquinaldine	221	C10H8BrN	000877-42-9	5
3	5,5-Dimethyl-2-(dimethylamino)-1...	209	C7H16NO2PS	015905-28-9	5
4	2-Phenyl-2-(phenylcarbamoyl)inda...	341	C22H15NO3	088702-68-5	3





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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
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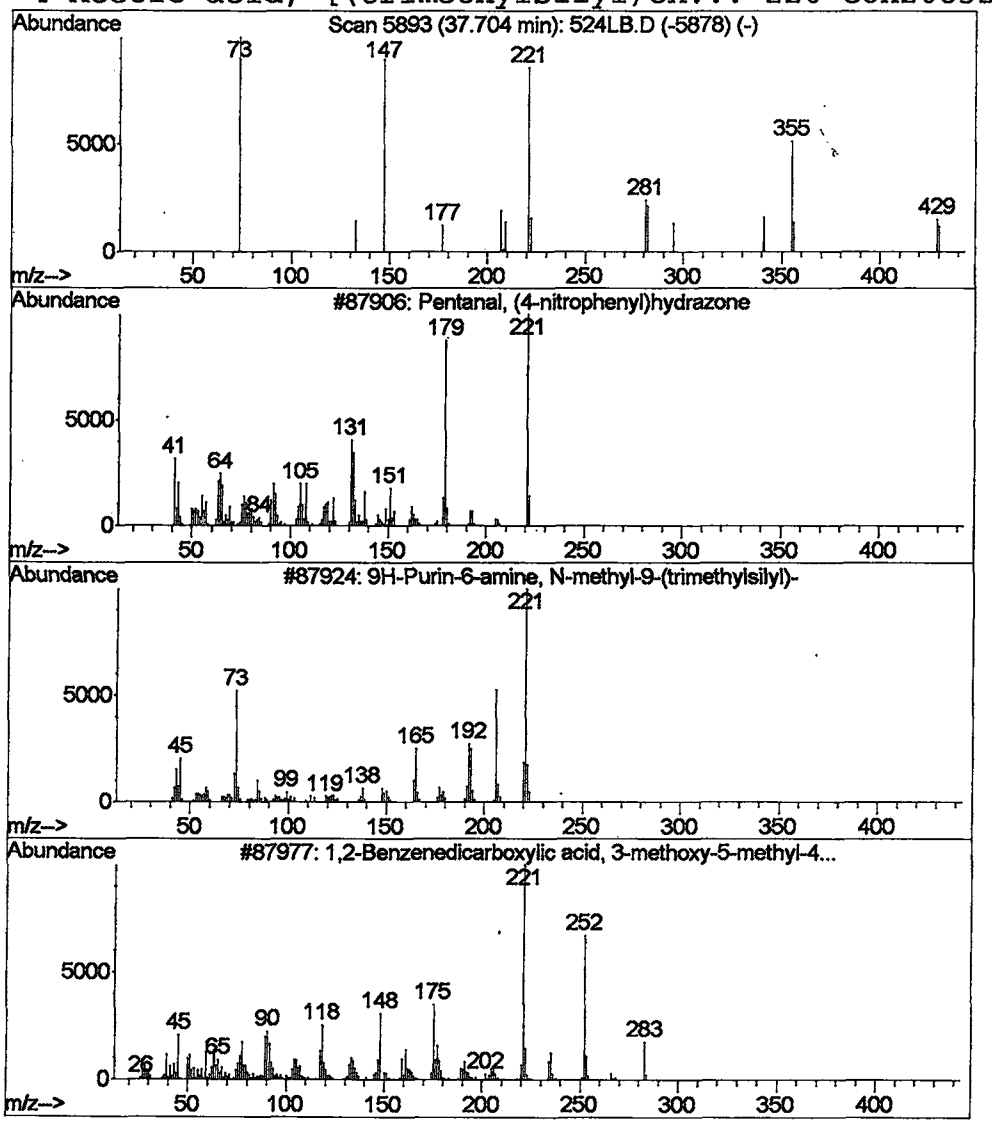
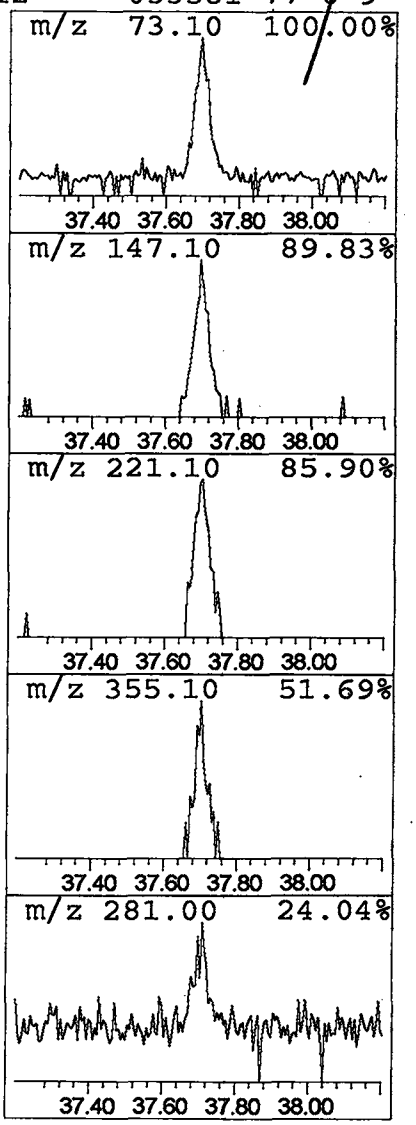
Peak Number 16 Pentanal, (4-nitrophenyl)hy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.70	0.39 ug/L	205521	Perylene-d12	34.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal, (4-nitrophenyl)hydrazone	221	C11H15N3O2	005873-64-3	9
2	9H-Purin-6-amine, N-methyl-9-(tr...	221	C9H15N5Si	032865-83-1	9
3	1,2-Benzenedicarboxylic acid, 3-...	283	C12H13NO7	089586-30-1	9
4	Acetic acid, [(trimethylsilyl)ox...	220	C8H20O3Si2	033581-77-0	9





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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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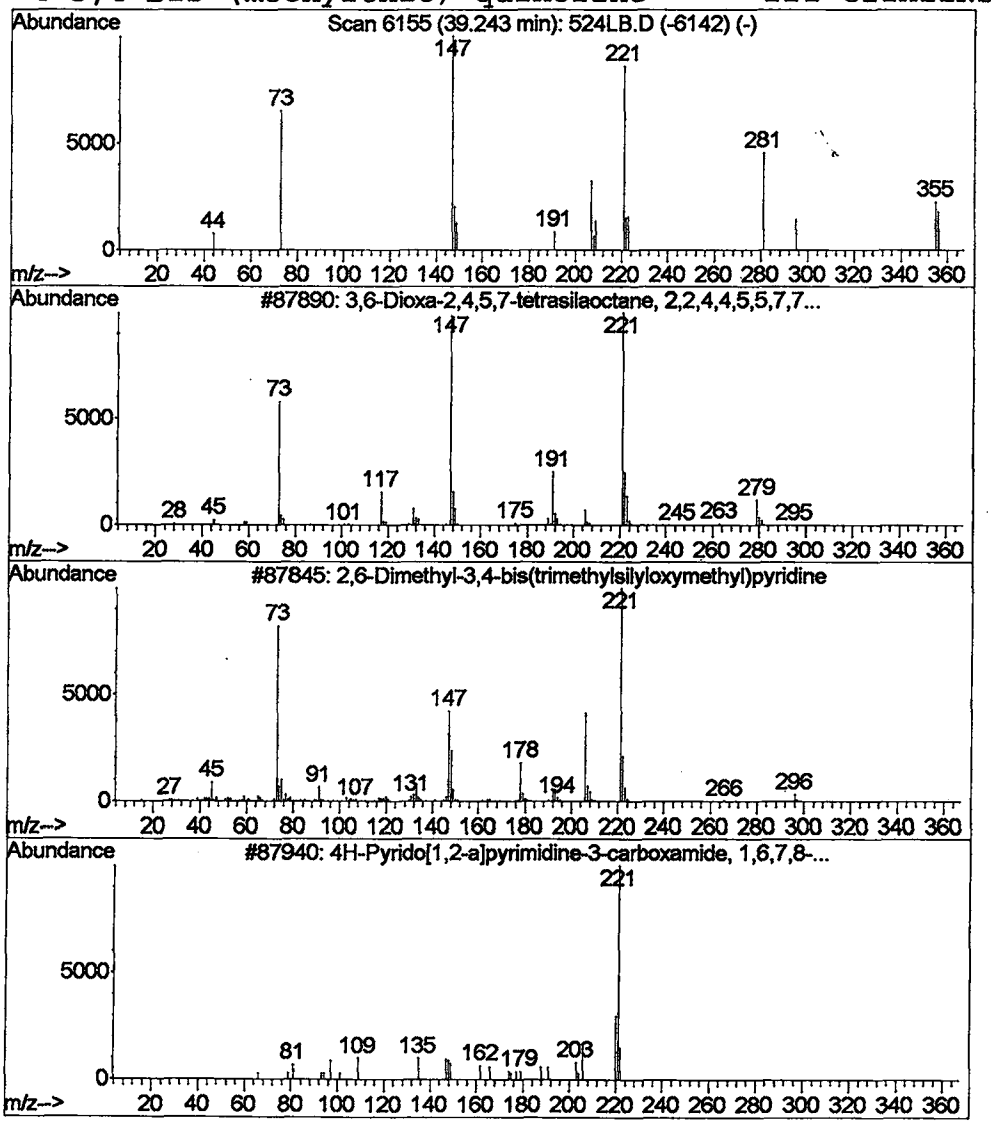
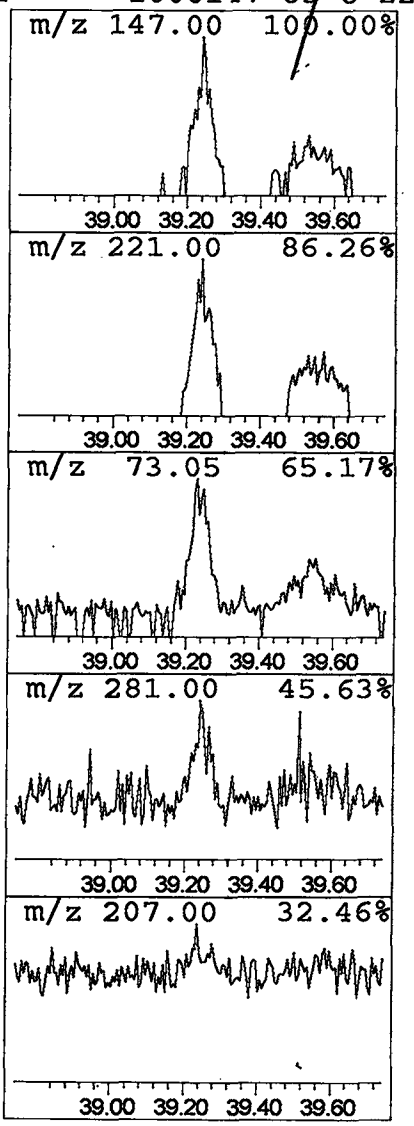
Peak Number 17 3,6-Dioxa-2,4,5,7-tetrasila... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.24	0.36 ug/L	190327	Perylene-d12	34.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	40
2	2,6-Dimethyl-3,4-bis(trimethylsi...	311	C15H29NO2Si2	1000079-52-1	35
3	4H-Pyrido[1,2-a]pyrimidine-3-car...	221	C11H15N3O2	064399-29-7	30
4	3,4-Bis-(methylthio)-quinoline	221	C11H11NS2	1000147-85-8	22





Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 28 May 2002 3:56 pm
Data File: C:\MSDCHEM\1\DATA\052802\524LB.D
Name: 5/24 ad
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	3.73	6.8	ug/L	4512430	1	9.89	26352500	40.0
1-Propanol, 3-chl...	4.02	1.6	ug/L	1056480	1	9.89	26352500	40.0
Methylene Chloride	4.14	0.7	ug/L	463924	1	9.89	26352500	40.0
1-Buten-3-yne, 1-...	4.18	0.6	ug/L	398634	1	9.89	26352500	40.0
1-Pyrrolidineetha...	4.23	0.4	ug/L	236498	1	9.89	26352500	40.0
2-Ethylacridine	5.35	0.4	ug/L	265777	1	9.89	26352500	40.0
2-Pentanone, 4-hy...	5.92	10.5	ug/L	6939880	1	9.89	26352500	40.0
Cyclopentasiloxan...	12.37	0.9	ug/L	842685	2	13.39	35622400	40.0
Phenanthrene, 9-m...	22.54	0.2	ug/L	244677	4	22.91	39573400	40.0
Phenanthrene-d10	23.07	0.3	ug/L	292215	4	22.91	39573400	40.0
1-Hexacosanol	28.96	1.3	ug/L	1011310	5	30.76	31397900	40.0
9,12,15-Octadecat...	34.32	0.3	ug/L	132580	6	34.65	21016700	40.0
Malonic acid, 2-(...	35.37	0.4	ug/L	217617	6	34.65	21016700	40.0
3,6-Dioxa-2,4,5,7...	36.44	0.7	ug/L	356535	6	34.65	21016700	40.0
3,5-Dimethyl-4-io...	36.57	0.4	ug/L	235074	6	34.65	21016700	40.0
Pentanal, (4-nitr...	37.70	0.4	ug/L	205521	6	34.65	21016700	40.0
3,6-Dioxa-2,4,5,7...	39.24	0.4	ug/L	190327	6	34.65	21016700	40.0