Method 508 mod. Date Extracted 2/1/02 Page 64

Lab #	Description	Sample vol/wt	Drip rate ml/min	Surr add	~~Spk~~ REF add	IS add	Final vol.	T.V. pos.	pH	Count		
LB		500ml		1ml			1ml	4B	7			
REF		↓		↓	.5ml		↓	7B	↓			
2382								8B				
2383	FB							4B				
2384								8A				
2385								8A				
2386								4A				
2387	FB							6A				
2453								8B				
2454								2A				
2455								7A				
2456		↓		↓			↓	5A	↓			

Remarks

① Sample 2384 needs to be re-extracted, due to low surrogate recovery.

② Batch # GCMS-1763

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

Extraction type - Sep Fun | Solv.lot# V41470 | NaCl lot# V39618 | Na2SO4 lot# V39H00

STANDARD	INT STD LOG#
CALIBRATION	
REF/SPIKE	91759
MDL/MDRF	
Q. CHECK	
INT. STD.	
SURROGATE	GCMS 020102
LPC	
ENDRIN/DDT	

Reviewed by, 2/5/02

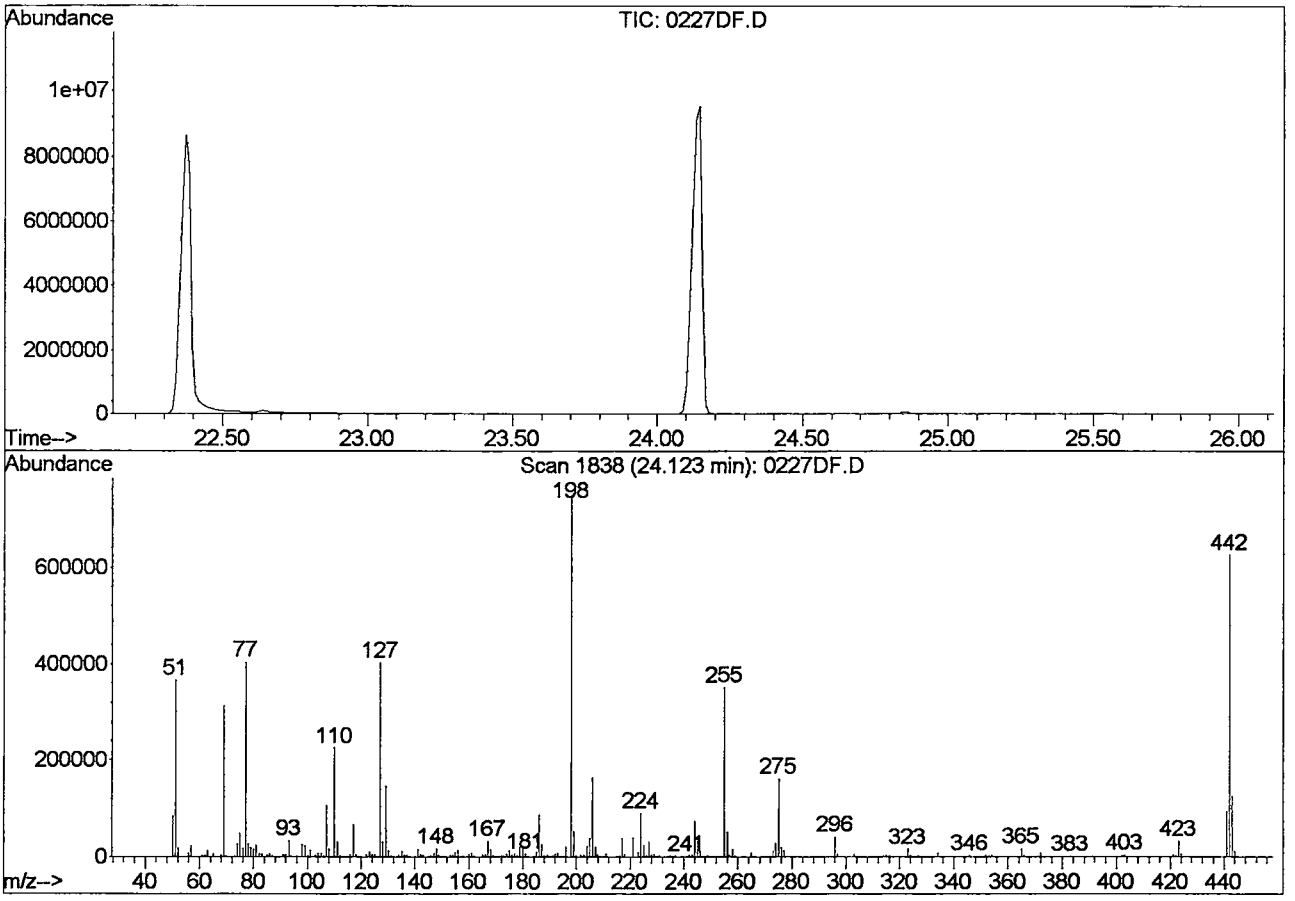
Analyst EH
revision 4/12/01

Verified by_____

Reviewed by DW
Date 3/7/2

DFTPP

Data File : C:\MSDCHEM\1\5973N\02FEB27\0227DF.D Vial: 1
Acq On : 27 Feb 2002 8:19 am Operator:
Sample : dftpp Inst : Instrume
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method



Spectrum Information: Scan 1838

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	49.1	366656	PASS
68	69	0.00	2	1.6	5035	PASS
69	198	0.00	100	42.2	314688	PASS
70	69	0.00	2	0.5	1507	PASS
127	198	40	60	53.9	402560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	746432	PASS
199	198	5	9	7.2	53808	PASS
275	198	10	30	21.6	161408	PASS
365	198	1	99	2.4	17616	PASS
441	443	1	99	74.7	94016	PASS
442	198	40	110	83.8	625472	PASS
443	442	17	23	20.1	125888	PASS

0227DF.D HP022102.M Fri Mar 01 09:00:41 2002

User: Baglioni, Walter
Westchester Dept. of Labs & Research
Date: 03/01/2002 Time: 08:24:04

Sample: AE02382
Analysis: $C1GCMS CALI GCMS
Units: ug
Started: 2/27/02 09:09 Ended: 3/1/02 09:09 Analyst: WB
Result source: a:\0227c40.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		40		2.0
2	bis(2-Chloroethyl)ether		48		2.0
3	1,3-Dichlorobenzene		38		2.0
4	1,4-Dichlorobenzene		39		2.0
5	1,2-Dichlorobenzene		42		2.0
6	2,2'-oxybis(1-Chloropropane)		45		2.0
7	n-Nitrosodi-n-propylamine		40		2.0
8	Hexachloroethane		39		2.0
9	Nitrobenzene		35		2.0
10	Isophorone		37		2.0
11	bis(2-Chloroethoxy)methane		38		2.0
12	1,2,4-Trichlorobenzene		37		2.0
13	Naphthalene		36		2.0
14	Hexachlorobutadiene		37		2.0
15	2-Chloronaphthalene		37		2.0
16	Dimethylphthalate		36		2.0
17	2,6-Dinitrotoluene		33		2.0
18	Acenaphthylene		36		2.0
19	Acenaphthene		37		2.0
20	2,4-Dinitrotoluene		31		2.0
21	Diethylphthalate		36		2.0
22	4-Chlorophenylphenylether		37		2.0
23	Fluorene		35		2.0
24	Azobenzene/1,2-Diphenylhydra		38		2.0
25	n-Nitrosodiphenylamine		30		2.0
26	4-Bromophenylphenylether		37		2.0
27	Hexachlorobenzene		38		2.0
28	Phenanthrene		35		2.0
29	Anthracene		35		2.0
30	Di-n-butylphthalate		37		2.0
31	Fluoranthene		34		2.0
32	Pyrene		37		2.0
33	Butylbenzylphthalate		38		2.0
34	Benzo(a)anthracene		37		2.0
35	bis(2-Ethylhexyl)phthalate		41		2.0
36	Chrysene		37		2.0
37	Di-n-octylphthalate		31		2.0
38	Benzo(b)fluoranthene		42		2.0
39	Benzo(k)fluoranthene		39		2.0
40	Benzo(a)pyrene		41		2.0
41	Indeno(1,2,3-cd)pyrene		44		2.0
42	Dibenz(a,h)anthracene		42		2.0
43	Benzo(g,h,i)perylene		40		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\0227C40.D Vial: 2
Acq On : 27 Feb 2002 9:09 am Operator:
Sample : cal 40 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 27 10:18:02 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1638692	20.00	ug/L	0.00
10) Naphthalene-d8	13.21	136	7367950	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3799102	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	6463833	20.00	ug/L	0.00
38) Chrysene-d12	30.51	240	5094799	20.00	ug/L	-0.01
44) Perylene-d12	34.43	264	3838041	20.00	ug/L	-0.02
System Monitoring Compounds						
37) 2,4-DDD	27.74	235	16442	0.19	ug/L	0.01
Spiked Amount 5.000			Recovery =	3.80%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.99	74	3229510	40.20	ug/L	96
3) bis(2-Chloroethyl)ether	9.24	93	5160968	48.18	ug/L	99
4) 1,3-Dichlorobenzene	9.62	146	4636457	38.04	ug/L	100
5) 1,4-Dichlorobenzene	9.76	146	4669344	38.53	ug/L	99
6) 1,2-Dichlorobenzene	10.24	146	4506574	41.71	ug/L	99
7) 2,2'-oxybis (1-Chloropropa	10.68	45	7639984	44.90	ug/L	99
8) n-Nitroso-di-n-propylamine	11.06	70	3208494	40.15	ug/L	100
9) Hexachloroethane	11.04	117	1636819	39.06	ug/L	98
11) Nitrobenzene	11.37	77	4576916	35.33	ug/L	99
12) Isophorone	12.02	82	9081411	36.51	ug/L	99
13) bis(2-Chloroethoxy)methane	12.78	93	6212299	38.24	ug/L	99
14) 1,2,4-Trichlorobenzene	13.13	180	3540236	37.12	ug/L	98
15) Naphthalene	13.26	128	12988483	35.65	ug/L	100
16) Hexachlorobutadiene	13.85	225	1726810	37.10	ug/L	98
18) Hexachlorocyclopentadiene	15.96	237	1182798	39.40	ug/L	99
19) 2-Chloronaphthalene	16.66	162	7582451	37.34	ug/L	98
20) Dimethylphthalate	17.91	163	8336289	36.17	ug/L	99
21) 2,6-Dinitrotoluene	18.09	165	1751297	32.91	ug/L	91
22) Acenaphthylene	17.88	152	11105976	35.74	ug/L	99
23) Acenaphthene	18.44	153	7548483	36.82	ug/L	99
24) 2,4-Dinitrotoluene	19.20	165	2290866	31.17	ug/L	93
25) Diethylphthalate	20.01	149	7738337	36.07	ug/L	99
26) 4-Chlorophenyl-phenylether	20.05	204	3618545	37.30	ug/L	92
27) Fluorene	19.93	166	8545790	34.56	ug/L	100
28) Azobenzene/1,2-Diphenylhyd	20.49	77	10802907	38.19	ug/L	98
30) N-nitrosodiphenylamine	20.45	169	4932202	29.83	ug/L	99
31) 4-Bromophenyl-phenylether	21.46	248	2397341	36.75	ug/L	98
32) Hexachlorobenzene	21.80	284	2561914	37.69	ug/L	95
33) Phenanthrene	22.72	178	12460834	34.52	ug/L	100
34) Anthracene	22.86	178	12742122	35.02	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\0227C40.D Vial: 2
Acq On : 27 Feb 2002 9:09 am Operator:
Sample : cal 40 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 27 10:18:02 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

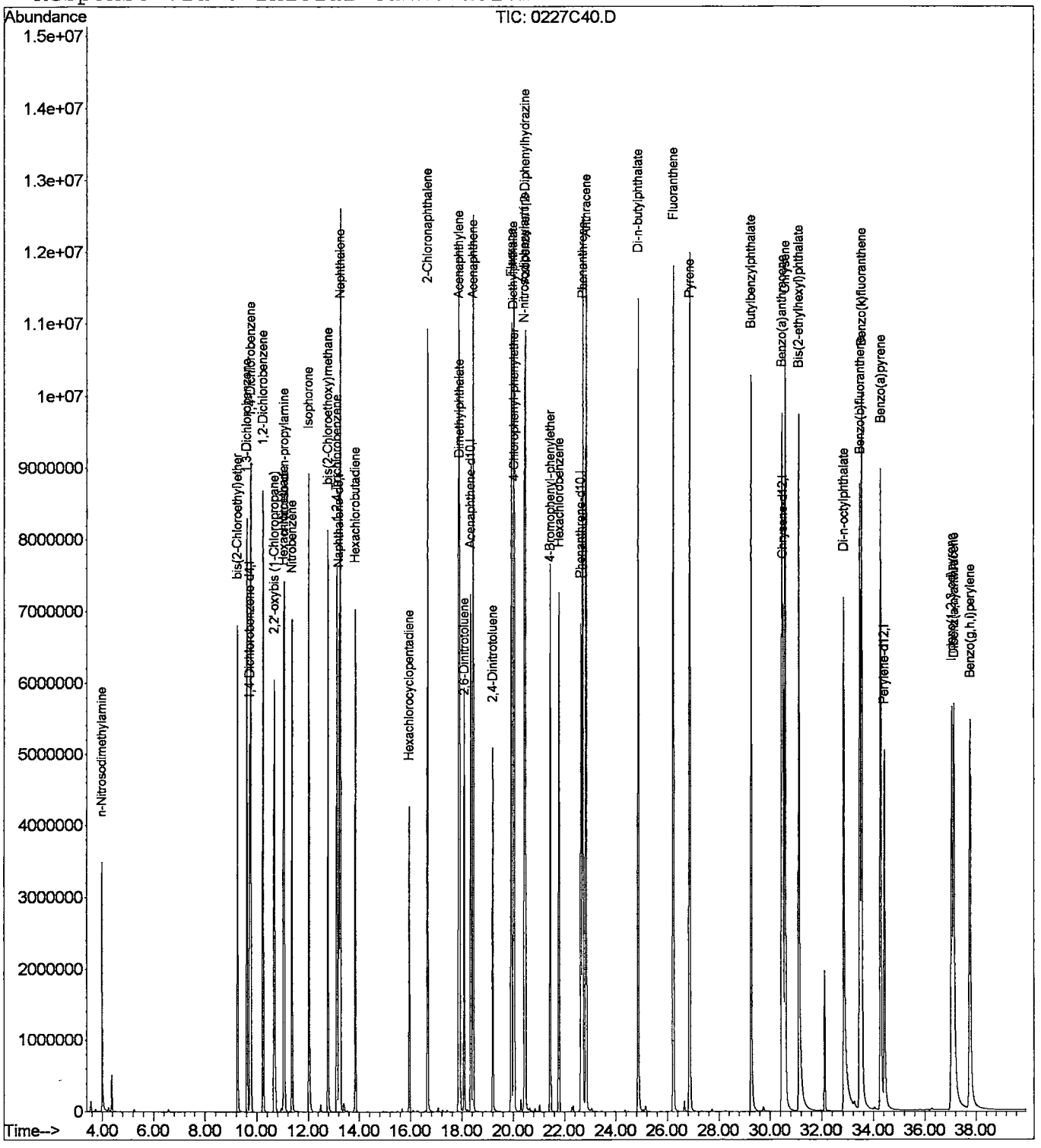
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35)	Di-n-butylphthalate	24.87	149	15338640	36.70	ug/L	99
36)	Fluoranthene	26.25	202	13146758	34.50	ug/L	98
39)	Pyrene	26.88	202	13715946	36.64	ug/L	96
40)	Butylbenzylphthalate	29.26	149	6479615	37.89	ug/L	97
41)	Benzo(a)anthracene	30.47	228	11512313	37.49	ug/L	100
42)	Bis(2-ethylhexyl)phthalate	31.12	149	8843252	41.23	ug/L	98
43)	Chrysene	30.59	228	11057856	36.81	ug/L	100
45)	Di-n-octylphthalate	32.85	149	13851392	30.56	ug/L	99
46)	Benzo(b)fluoranthene	33.48	252	10739523	41.88	ug/L	100
47)	Benzo(k)fluoranthene	33.55	252	11353351	39.36	ug/L	97
48)	Benzo(a)pyrene	34.28	252	10705012	41.03	ug/L	97
49)	Indeno(1,2,3-cd)pyrene	37.06	276	10040548	44.27	ug/L	94
50)	Dibenz(a,h)anthracene	37.15	278	7895470	41.80	ug/L	99
51)	Benzo(g,h,i)perylene	37.78	276	8502558	40.08	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\0227C40.D Vial: 2
Acq On : 27 Feb 2002 9:09 am Operator:
Sample : cal 40 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 27 10:18 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



User: Baglioni, Walter
Westchester Dept. of Labs & Research
Date: 03/01/2002 Time: 08:31:24

Sample: AE02382
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 2/27/02 11:23 Ended: 3/1/02 11:23 Analyst: WB
Result source: a:\0201r.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		2.3		2.0
2	bis(2-Chloroethyl)ether		4.2		2.0
3	1,3-Dichlorobenzene		2.6		2.0
4	1,4-Dichlorobenzene		2.8		2.0
5	1,2-Dichlorobenzene		3.1		2.0
6	2,2-oxybis(1-Chloropropane)		3.7		2.0
7	n-Nitrosodi-n-propylamine		3.6		2.0
8	Hexachloroethane		1.9		2.0
9	Nitrobenzene		2.1		2.0
10	Isophorone		3.5		2.0
11	bis(2-Chloroethoxy)methane		3.5		2.0
12	1,2,4-Trichlorobenzene		2.9		2.0
13	Naphthalene		3.6		2.0
14	Hexachlorobutadiene		1.9		2.0
15	2-Chloronaphthalene		3.6		2.0
16	Dimethylphthalate		4.3		2.0
17	2,6-Dinitrotoluene		1.1		2.0
18	Acenaphthylene		3.4		2.0
19	Acenaphthene		4.1		2.0
20	2,4-Dinitrotoluene		0.81		2.0
21	Diethylphthalate		4.6		2.0
22	4-Chlorophenylphenylether		4.5		2.0
23	Fluorene		3.8		2.0
24	Azobenzene/1,2-Diphenylhydra		3.7		2.0
25	n-Nitrosodiphenylamine		3.0		2.0
26	4-Bromophenylphenylether		4.0		2.0
27	Hexachlorobenzene		4.3		2.0
28	Phenanthrene		4.5		2.0
29	Anthracene		4.0		2.0
30	Di-n-butylphthalate		3.6		2.0
31	Fluoranthene		4.1		2.0
32	Pyrene		4.2		2.0
33	Butylbenzylphthalate		1.9		2.0
34	Benzo(a)anthracene		3.5		2.0
35	bis(2-Ethylhexyl)phthalate		2.2		2.0
36	Chrysene		4.6		2.0
37	Di-n-octylphthalate		5.8		2.0
38	Benzo(b)fluoranthene		2.9		2.0
39	Benzo(k)fluoranthene		4.7		2.0
40	Benzo(a)pyrene		2.4		2.0
41	Indeno(1,2,3-cd)pyrene		2.3		2.0
42	Dibenz(a,h)anthracene		2.4		2.0
43	Benzo(g,h,i)perylene		2.9		2.0

User: Baglioni, Walter
Westchester Dept. of Labs & Research
Date: 03/01/2002 Time: 08:31:38

Sample: AE02382
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 2/27/02 11:23 Ended: 3/1/02 11:23 Analyst: WB
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		46		2.0
2	[illegible]				
3	1,3-Dichlorobenzene		52		2.0
4	1,4-Dichlorobenzene		56		2.0
5	1,2-Dichlorobenzene		62		2.0
6	2,2-oxybis(1-Chloropropane)		74		2.0
7	n-Nitrosodi-n-propylamine		72		2.0
8	Hexachloroethane		38		2.0
9	Nitrobenzene		42		2.0
10	Isophorone		70		2.0
11	bis(2-Chloroethoxy)methane		70		2.0
12	1,2,4-Trichlorobenzene		58		2.0
13	Naphthalene		72		2.0
14	Hexachlorobutadiene		38		2.0
15	2-Chloronaphthalene		72		2.0
16	Dimethylphthalate		86		2.0
17	[illegible]				
18	Acenaphthylene		68		2.0
19	Acenaphthene		82		2.0
20	[illegible]				
21	Diethylphthalate		92		2.0
22	4-Chlorophenylphenylether		90		2.0
23	Fluorene		76		2.0
24	Azobenzene/1,2-Diphenylhydra		74		2.0
25	n-Nitrosodiphenylamine		60		2.0
26	4-Bromophenylphenylether		80		2.0
27	Hexachlorobenzene		86		2.0
28	Phenanthrene		90		2.0
29	Anthracene		80		2.0
30	Di-n-butylphthalate		72		2.0
31	Fluoranthene		82		2.0
32	Pyrene		84		2.0
33	Butylbenzylphthalate		38		2.0
34	Benzo(a)anthracene		70		2.0
35	bis(2-Ethylhexyl)phthalate		44		2.0
36	Chrysene		92		2.0
37	[illegible]				
38	Benzo(b)fluoranthene		58		2.0
39	Benzo(k)fluoranthene		94		2.0
40	Benzo(a)pyrene		48		2.0
41	Indeno(1,2,3-cd)pyrene		46		2.0
42	Dibenz(a,h)anthracene		48		2.0
43	Benzo(g,h,i)perylene		58		2.0

4 out of 43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201R.D Vial: 2
Acq On : 27 Feb 2002 11:23 am Operator:
Sample : ref 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:41 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1456273	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	6282244	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3145210	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	5142519	20.00	ug/L	0.00
38) Chrysene-d12	30.49	240	4342109	20.00	ug/L	-0.03
44) Perylene-d12	34.41	264	3121311	20.00	ug/L	-0.04
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	297448	4.34	ug/L	0.00
Spiked Amount 5.000			Recovery =	86.80%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	4.02	74	161807	2.27	ug/L	94
3) bis(2-Chloroethyl)ether	9.26	93	396030	4.16	ug/L	99
4) 1,3-Dichlorobenzene	9.62	146	286365	2.64	ug/L	97
5) 1,4-Dichlorobenzene	9.76	146	304581	2.83	ug/L	96
6) 1,2-Dichlorobenzene	10.24	146	298829	3.11	ug/L	99
7) 2,2'-oxybis (1-Chloropropa	10.68	45	563716	3.73	ug/L	98
8) n-Nitroso-di-n-propylamine	11.06	70	252625	3.56	ug/L	96
9) Hexachloroethane	11.04	117	69566	1.87	ug/L	96
11) Nitrobenzene	11.36	77	229441	2.08	ug/L	96
12) Isophorone	12.03	82	740442	3.49	ug/L	99
13) bis(2-Chloroethoxy)methane	12.78	93	489342	3.53	ug/L	96
14) 1,2,4-Trichlorobenzene	13.12	180	234880	2.89	ug/L	98
15) Naphthalene	13.25	128	1106631	3.56	ug/L	99
16) Hexachlorobutadiene	13.85	225	75072	1.89	ug/L	99
19) 2-Chloronaphthalene	16.65	162	598145	3.56	ug/L	97
20) Dimethylphthalate	17.89	163	821771	4.31	ug/L	95
21) 2,6-Dinitrotoluene	18.06	165	49666	1.13	ug/L	97
22) Acenaphthylene	17.87	152	872068	3.39	ug/L	99
23) Acenaphthene	18.42	153	695890	4.10	ug/L	98
24) 2,4-Dinitrotoluene	19.19	165	49468	0.81	ug/L	96
25) Diethylphthalate	19.99	149	812469	4.57	ug/L	97
26) 4-Chlorophenyl-phenylether	20.02	204	364805	4.54	ug/L	93
27) Fluorene	19.91	166	784890	3.83	ug/L	100
28) Azobenzene/1,2-Diphenylhyd	20.47	77	873597	3.73	ug/L	95
30) N-nitrosodiphenylamine	20.43	169	395773	3.01	ug/L	98
31) 4-Bromophenyl-phenylether	21.44	248	208559	4.02	ug/L	97
32) Hexachlorobenzene	21.77	284	231258	4.28	ug/L	94
33) Phenanthrene	22.70	178	1288032	4.49	ug/L	99
34) Anthracene	22.82	178	1151522	3.98	ug/L	99
35) Di-n-butylphthalate	24.86	149	1197606	3.60	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201R.D Vial: 2
Acq On : 27 Feb 2002 11:23 am Operator:
Sample : ref 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:41 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

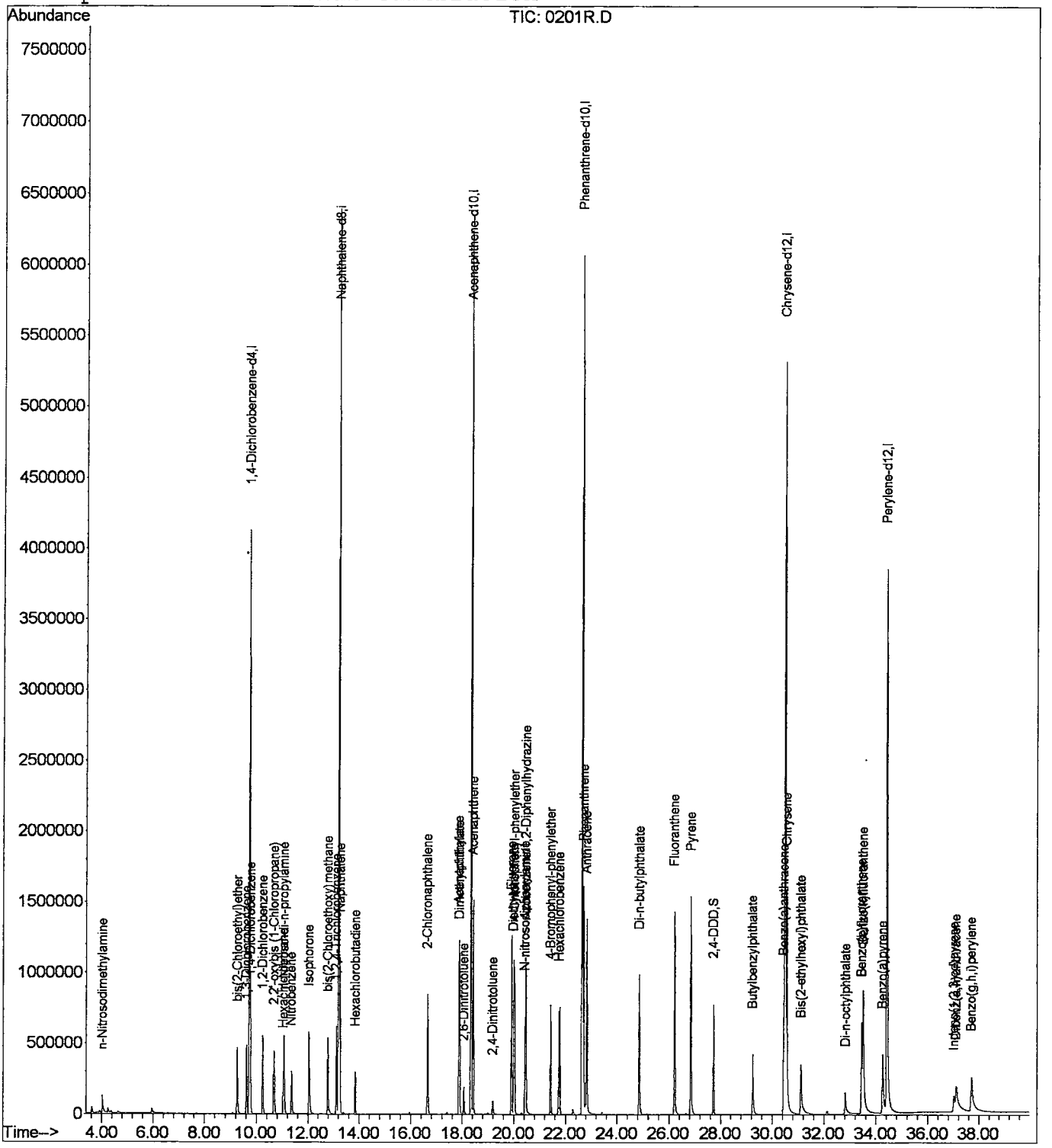
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	Fluoranthene	26.21	202	1255961	4.14	ug/L	96
39)	Pyrene	26.84	202	1352621	4.24	ug/L	93
40)	Butylbenzylphthalate	29.25	149	275391	1.89	ug/L	98
41)	Benzo(a)anthracene	30.44	228	919367	3.51	ug/L	99
42)	Bis(2-ethylhexyl)phthalate	31.11	149	410610	2.25	ug/L	98
43)	Chrysene	30.56	228	1180778	4.61	ug/L	99
45)	Di-n-octylphthalate	32.83	149	323219	5.79	ug/L	98
46)	Benzo(b)fluoranthene	33.45	252	606733m	2.91	ug/L	
47)	Benzo(k)fluoranthene	33.50	252	1108970	4.73	ug/L	94
48)	Benzo(a)pyrene	34.25	252	513912	2.42	ug/L	93
49)	Indeno(1,2,3-cd)pyrene	37.01	276	430306m	2.33	ug/L	
50)	Dibenz(a,h)anthracene	37.11	278	371451	2.42	ug/L	94
51)	Benzo(g,h,i)perylene	37.71	276	505604	2.93	ug/L	95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201R.D Vial: 2
Acq On : 27 Feb 2002 11:23 am Operator:
Sample : ref 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Mar 1 8:34 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



User: Baglioni, Walter
Westchester Dept. of Labs & Research
Date: 03/01/2002 Time: 08:31:48

Sample: AE02382
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 2/27/02 11:23 Ended: 3/1/02 11:23 Analyst: WB
Result source: manual entry
Page: 1

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:40 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

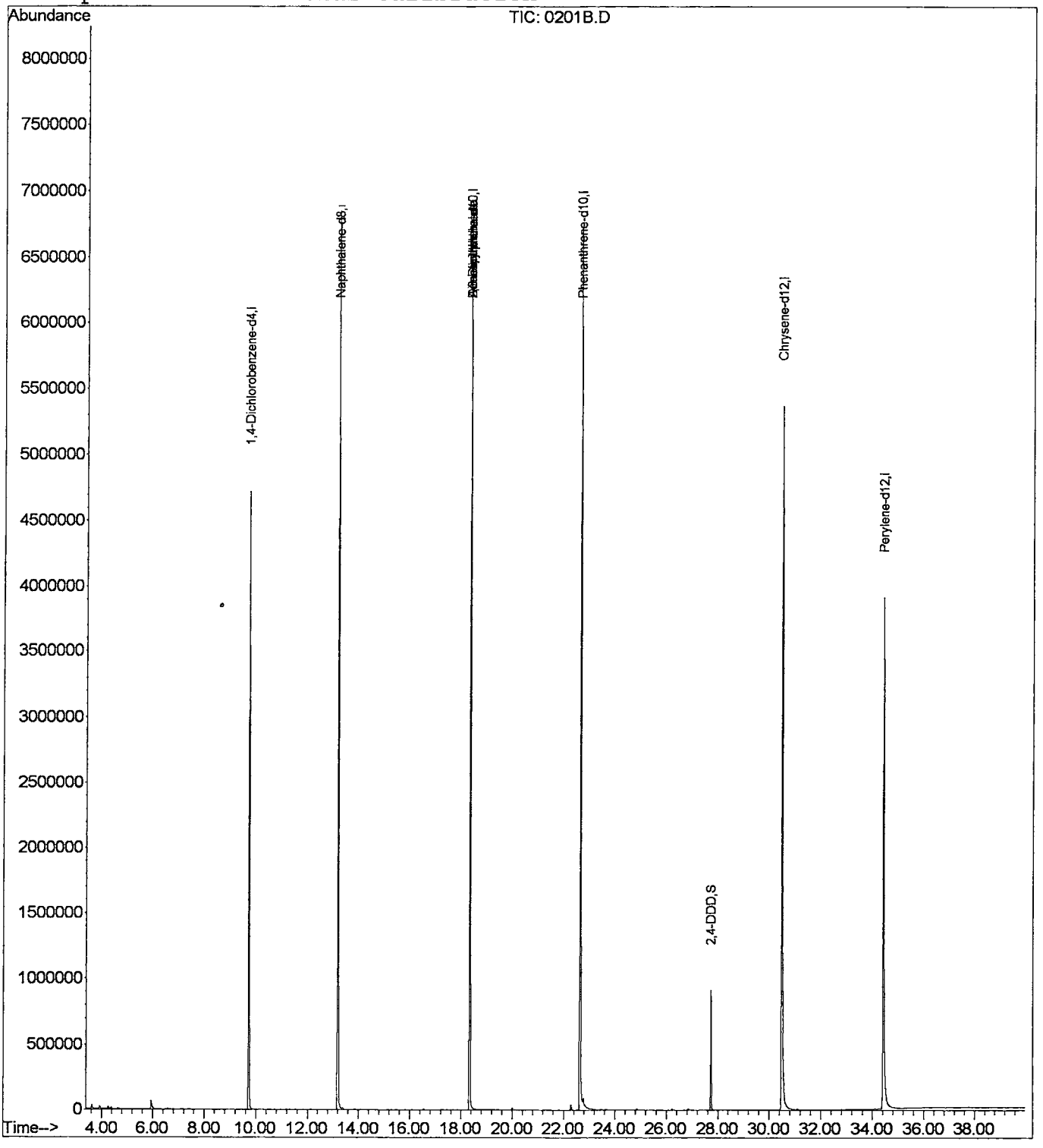
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1616900	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	6906060	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3461163	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	6024622	20.00	ug/L	0.00
38) Chrysene-d12	30.49	240	4617286	20.00	ug/L	-0.03
44) Perylene-d12	34.42	264	3112685	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	342050	4.26	ug/L	0.00
Spiked Amount 5.000			Recovery = 85.20%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	561885	2.68	ug/L #	58
21) 2,6-Dinitrotoluene	18.34	165	430247	8.87	ug/L #	27

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

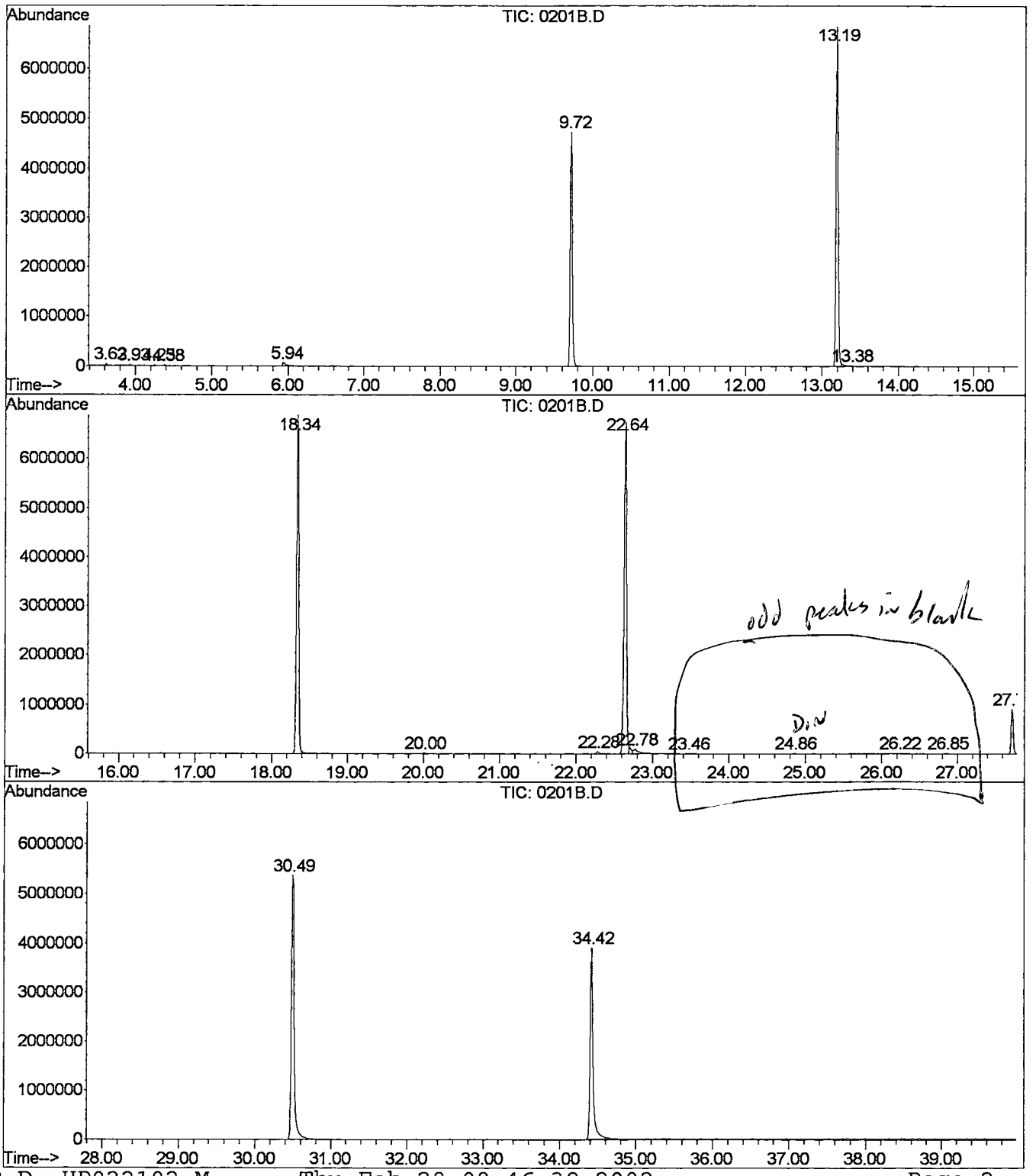
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.622	19	22	33	rBV	33258	67058	0.45%	0.086%
2	3.927	45	49	55	rVV	21675	37850	0.25%	0.049%
3	4.254	73	78	85	rVB2	21251	49138	0.33%	0.063%
4	4.378	85	89	93	rBV	15469	23888	0.16%	0.031%
5	5.936	223	227	247	rBV	65000	198695	1.32%	0.256%
6	9.718	557	562	567	rBV	4724109	8971356	59.71%	11.559%
7	13.195	865	870	875	rBV	6854860	12974287	86.35%	16.717%
8	13.375	883	886	893	rVB3	14223	35086	0.23%	0.045%
9	18.343	1321	1326	1331	rBV	6869246	13955678	92.88%	17.982%
10	20.002	1467	1473	1479	rBV	18803	43494	0.29%	0.056%
11	22.282	1671	1675	1681	rBV2	39638	78263	0.52%	0.101%
12	22.644	1701	1707	1711	rBV	6726918	15025332	100.00%	19.360%
13	22.779	1715	1719	1745	rVB2	82213	458992	3.05%	0.591%
14	23.456	1773	1779	1787	rBV4	5430	25982	0.17%	0.033%
15	24.856	1897	1903	1909	rBV	10483	23505	0.16%	0.030%
16	26.222	2021	2024	2029	rBV	8642	21194	0.14%	0.027%
17	26.854	2075	2080	2087	rVB	11569	29151	0.19%	0.038%
18	27.724	2153	2157	2163	rBV	910465	1676297	11.16%	2.160%
19	30.489	2397	2402	2427	rBV2	5364307	13689047	91.11%	17.638%
20	34.418	2745	2750	2777	rBV	3895016	10226753	68.06%	13.177%

Sum of corrected areas: 77611046

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D
Operator :
Acquired : 27 Feb 2002 10:33 am using AcqMethod HP020702
Instrument : Instrumen
Sample Name: lab blank 2/1
Misc Info : February 27, 2002
Vial Number: 1
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

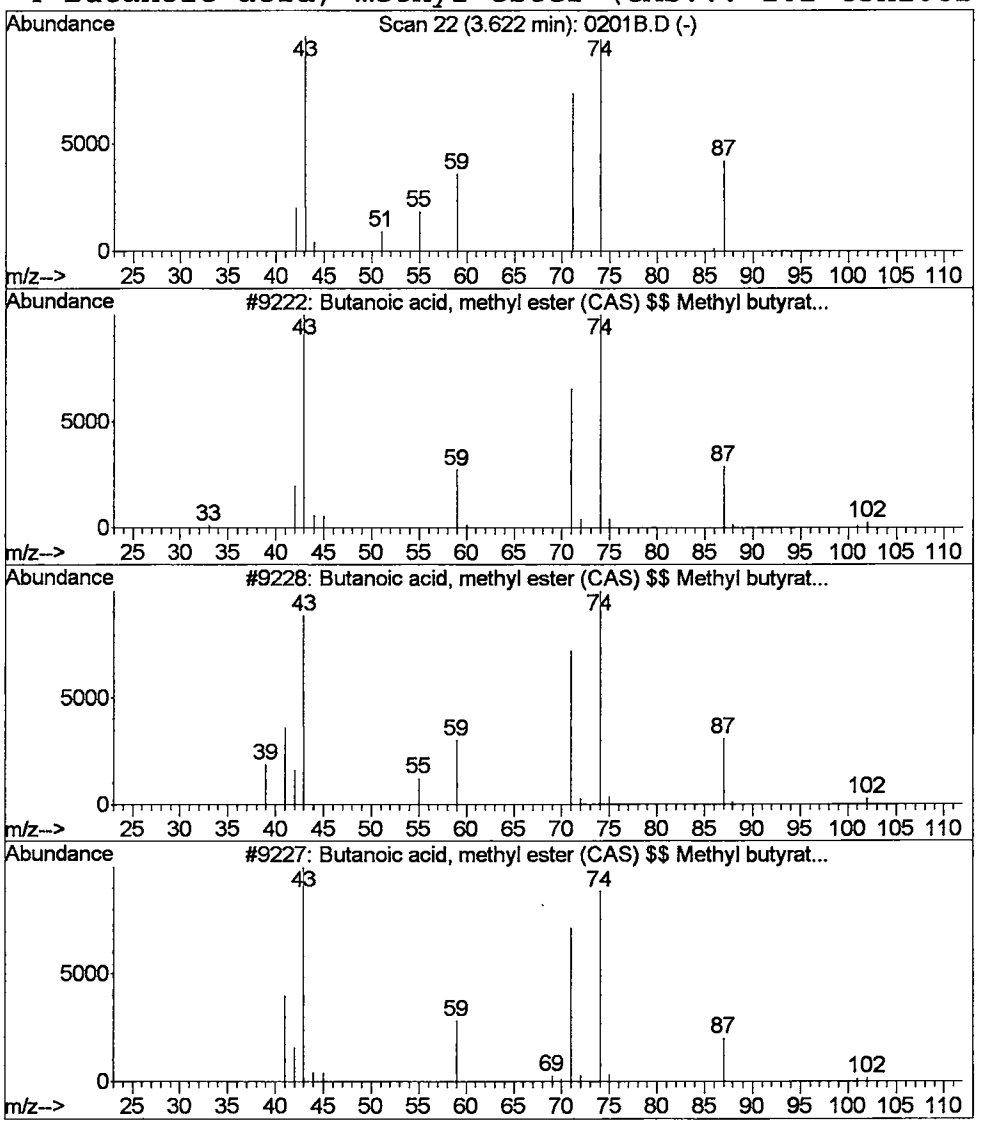
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

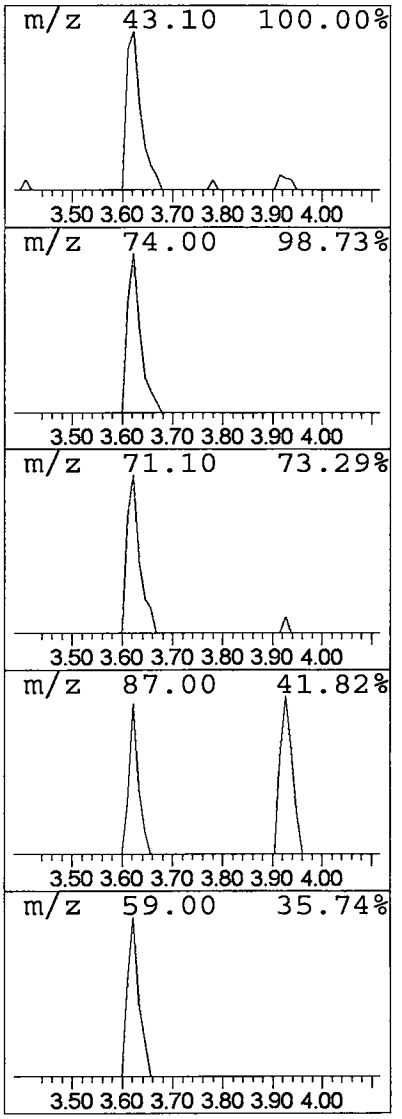
****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.15 ug/L	67058	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	64
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	50





Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

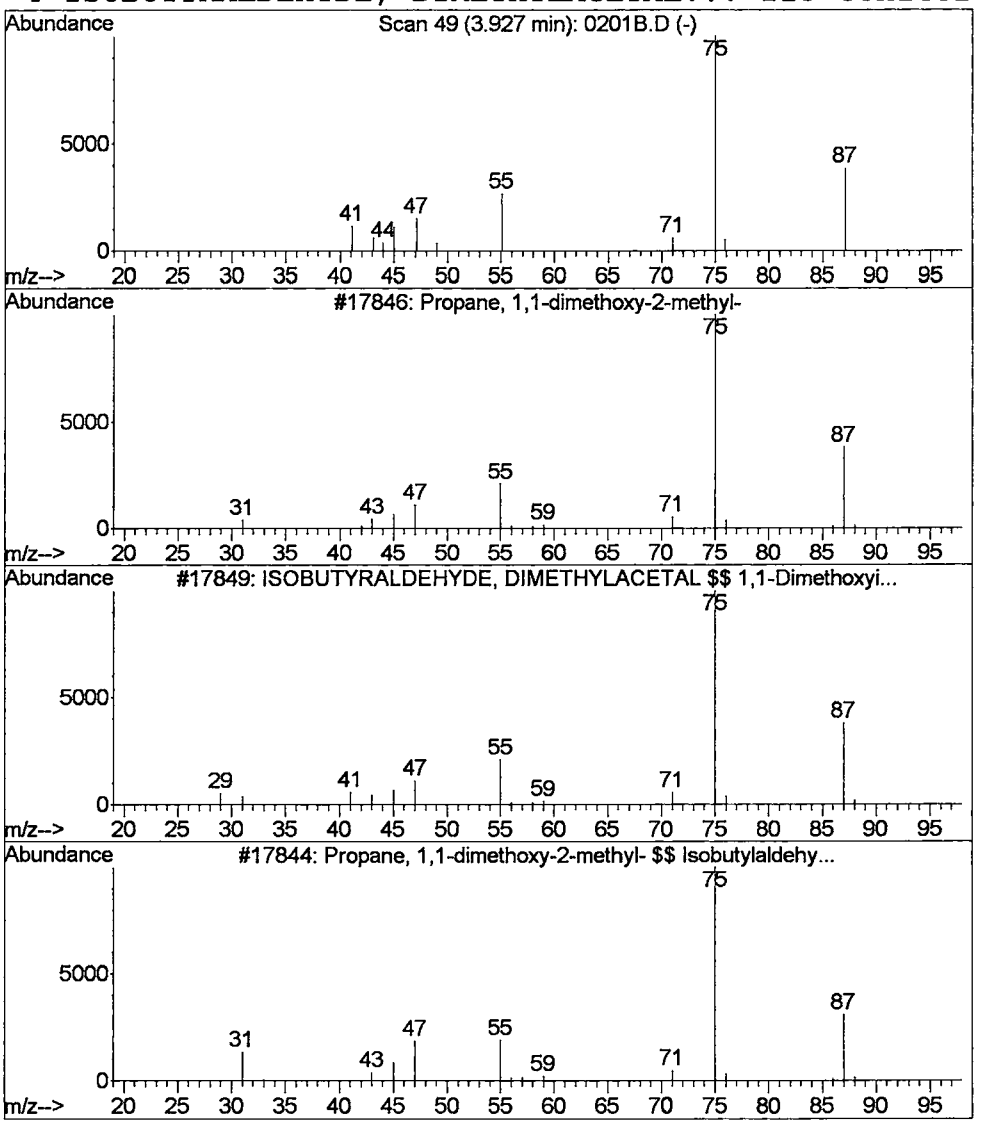
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

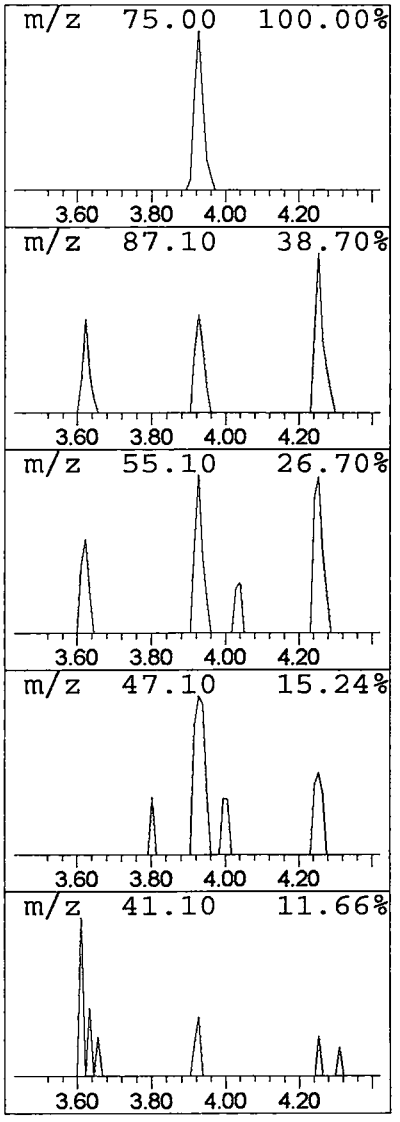
****

Peak Number 2 Propane, 1,1-dimethoxy-2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.08 ug/L	37850	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	83
2	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
3	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	74
4	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	74





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

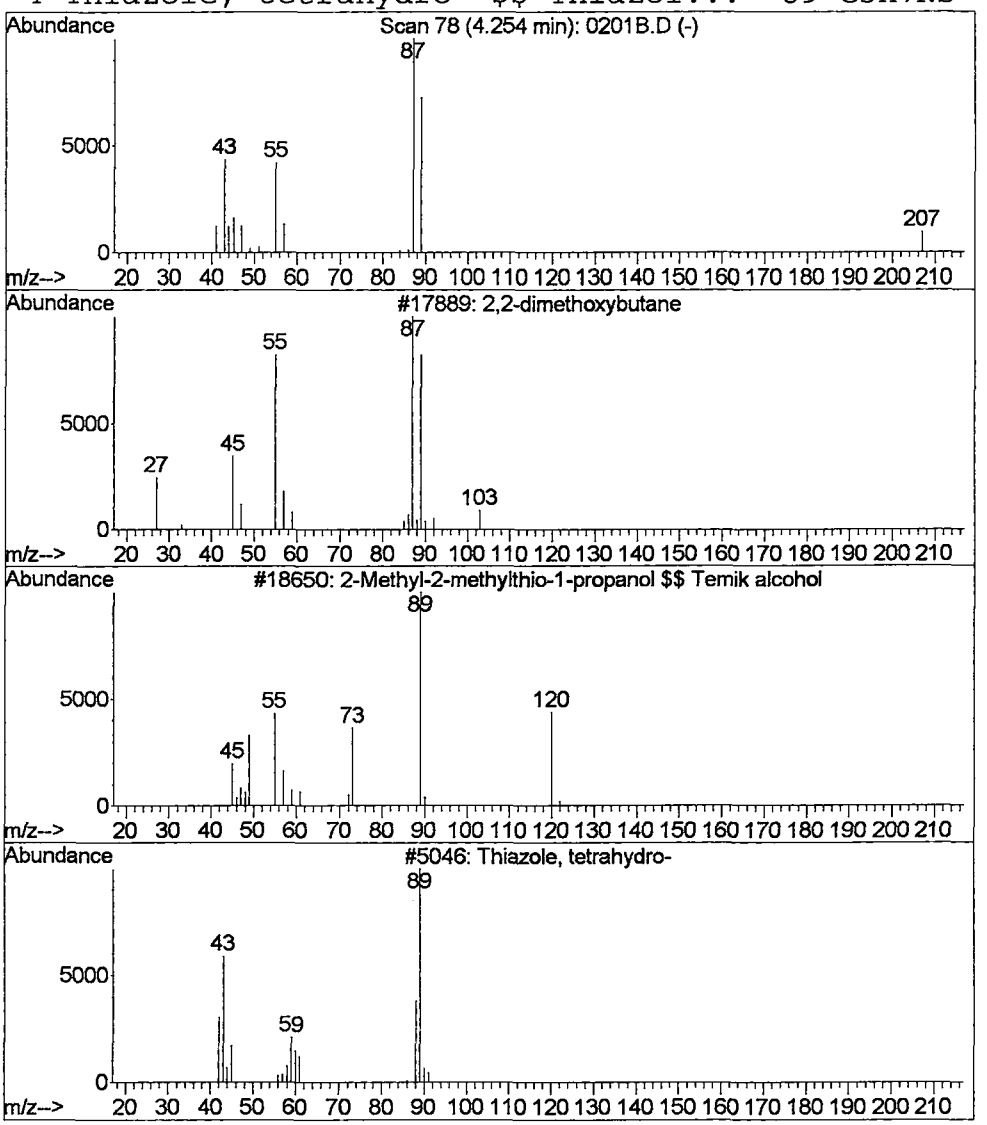
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

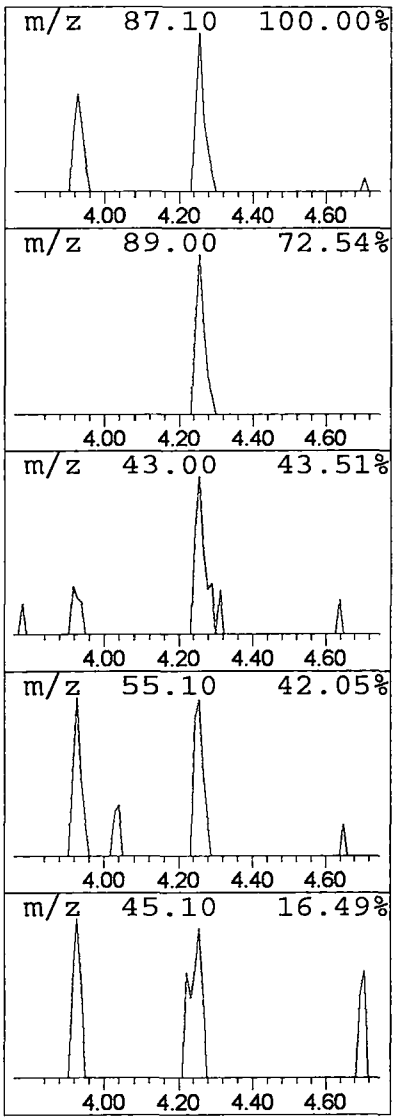
****

Peak Number 3 2,2-dimethoxybutane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.11 ug/L	49138	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	56
2	2-Methyl-2-methylthio-1-propanol...	120	C5H12OS	000000-00-0	16
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	10
4	Thiazole, tetrahydro- $$ Thiazol...	89	C3H7NS	000504-78-9	9





Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

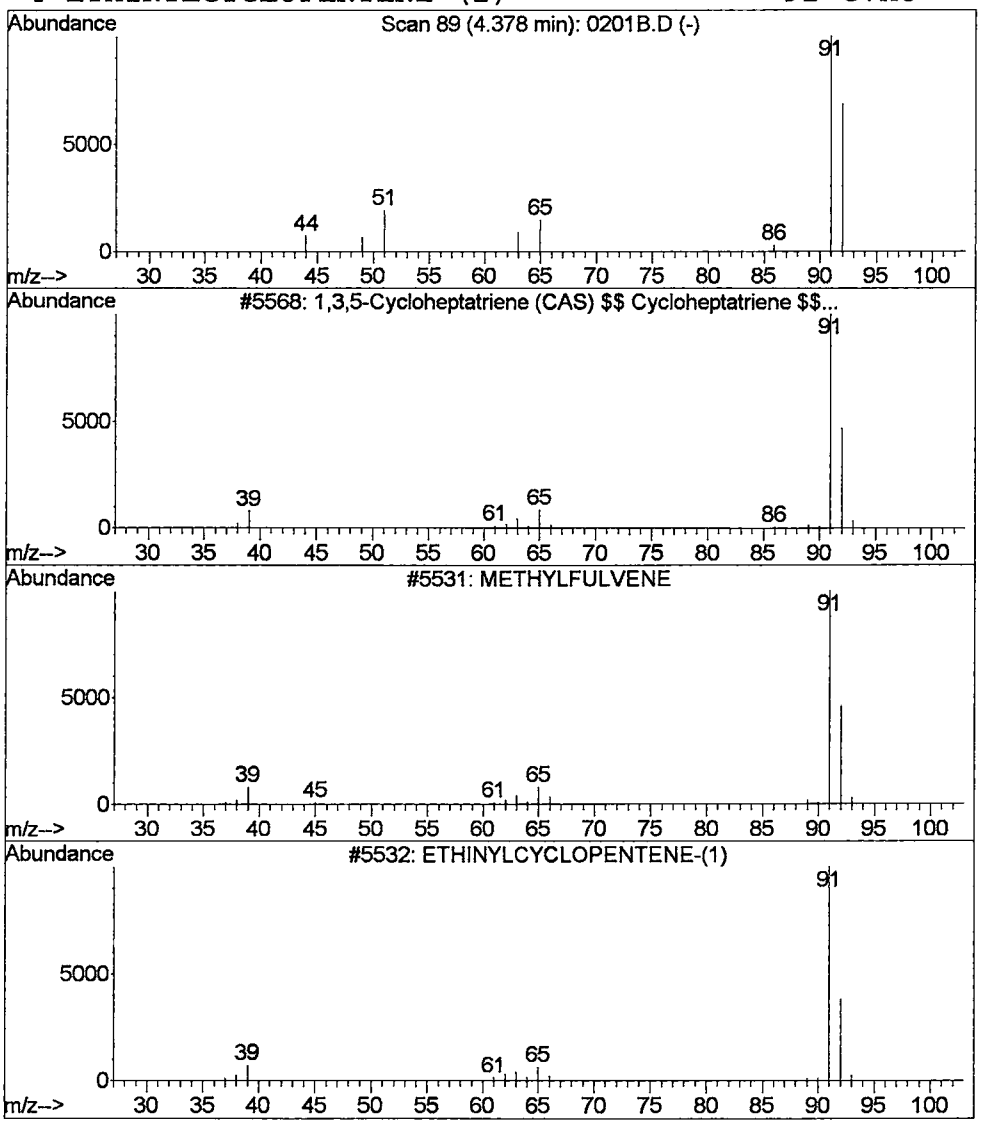
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

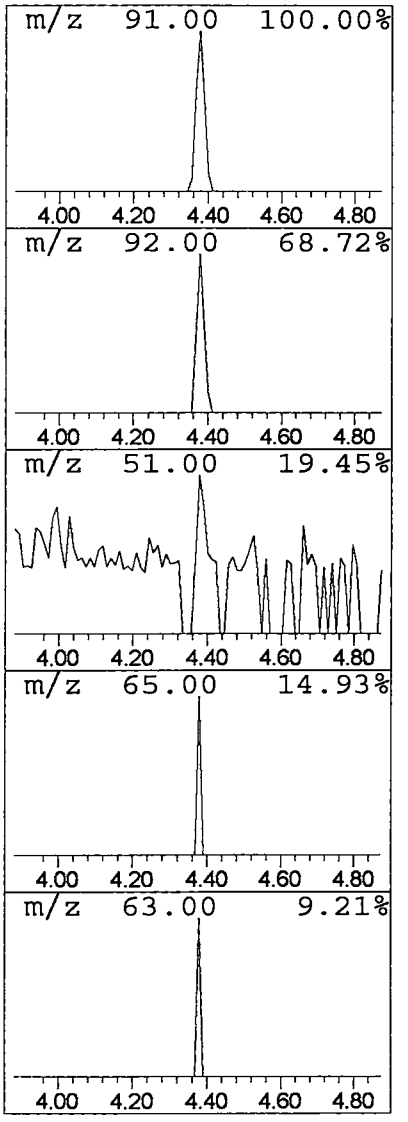
****

Peak Number 4 1,3,5-Cycloheptatriene (CAS... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	0.05 ug/L	23888	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene (CAS) $$ ...	92	C7H8	000544-25-2	7
2	METHYLFULVENE	92	C7H8	000000-00-0	7
3	ETHINYLCYCLOPENTENE-(1)	92	C7H8	000000-00-0	5
4	ETHINYLCYCLOPENTENE-(2)	92	C7H8	000000-00-0	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

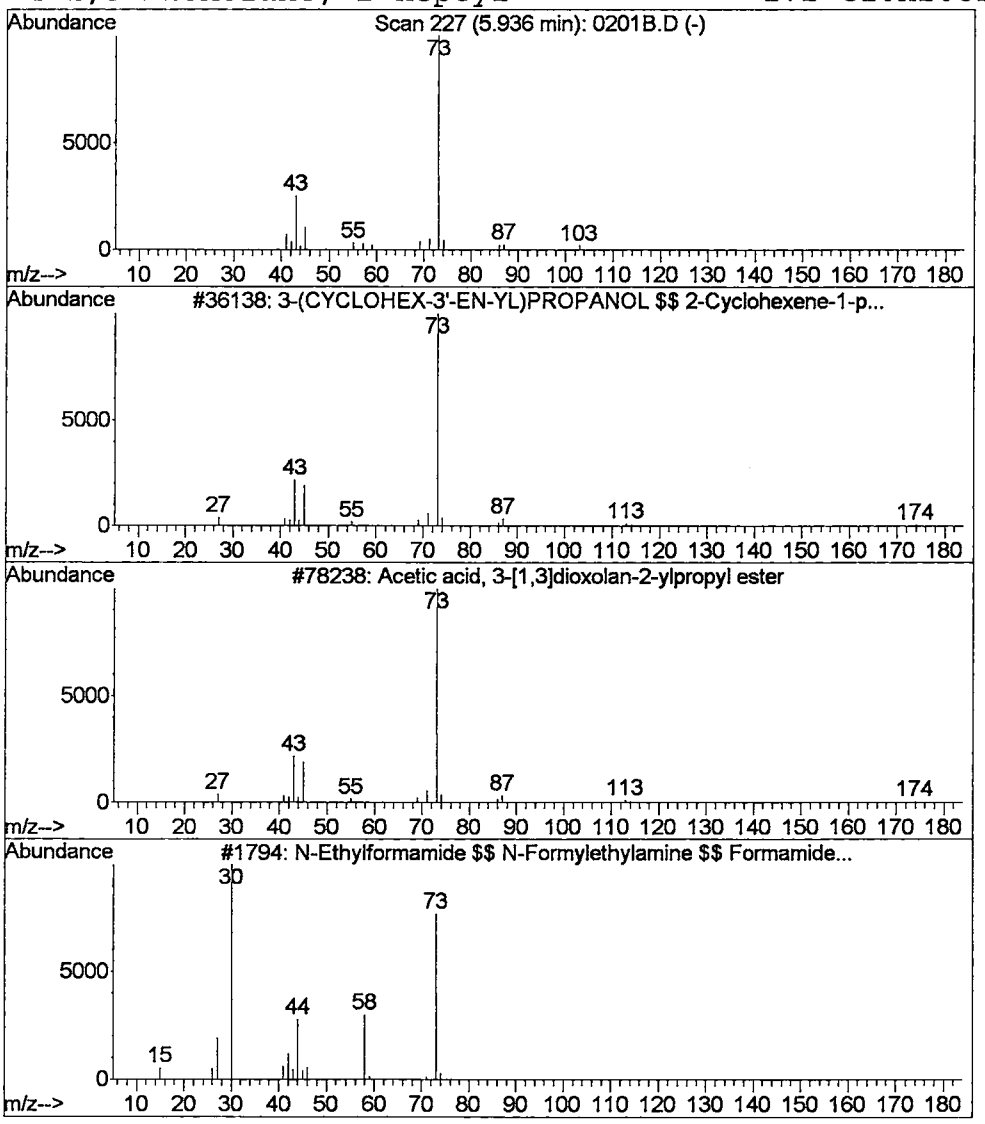
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

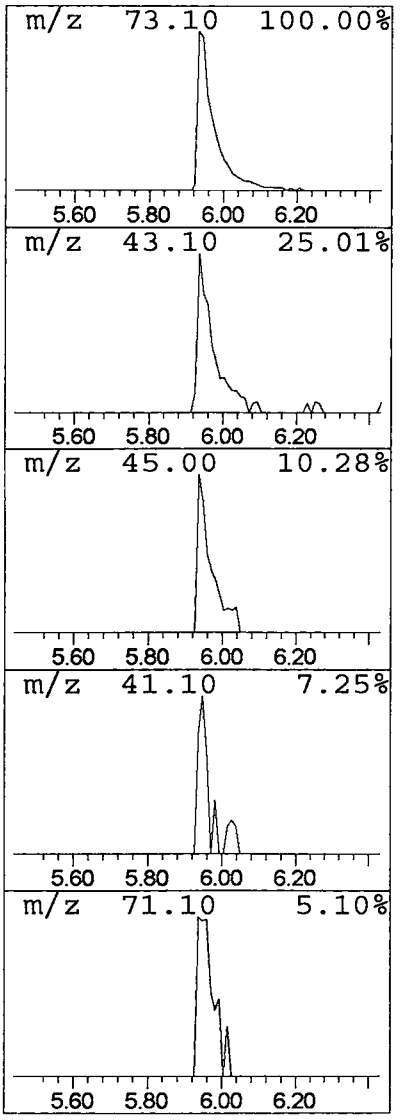
****

Peak Number 5 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	0.44 ug/L	198695	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	36
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	36
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-heptyl-	172	C10H20O2	004359-57-3	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

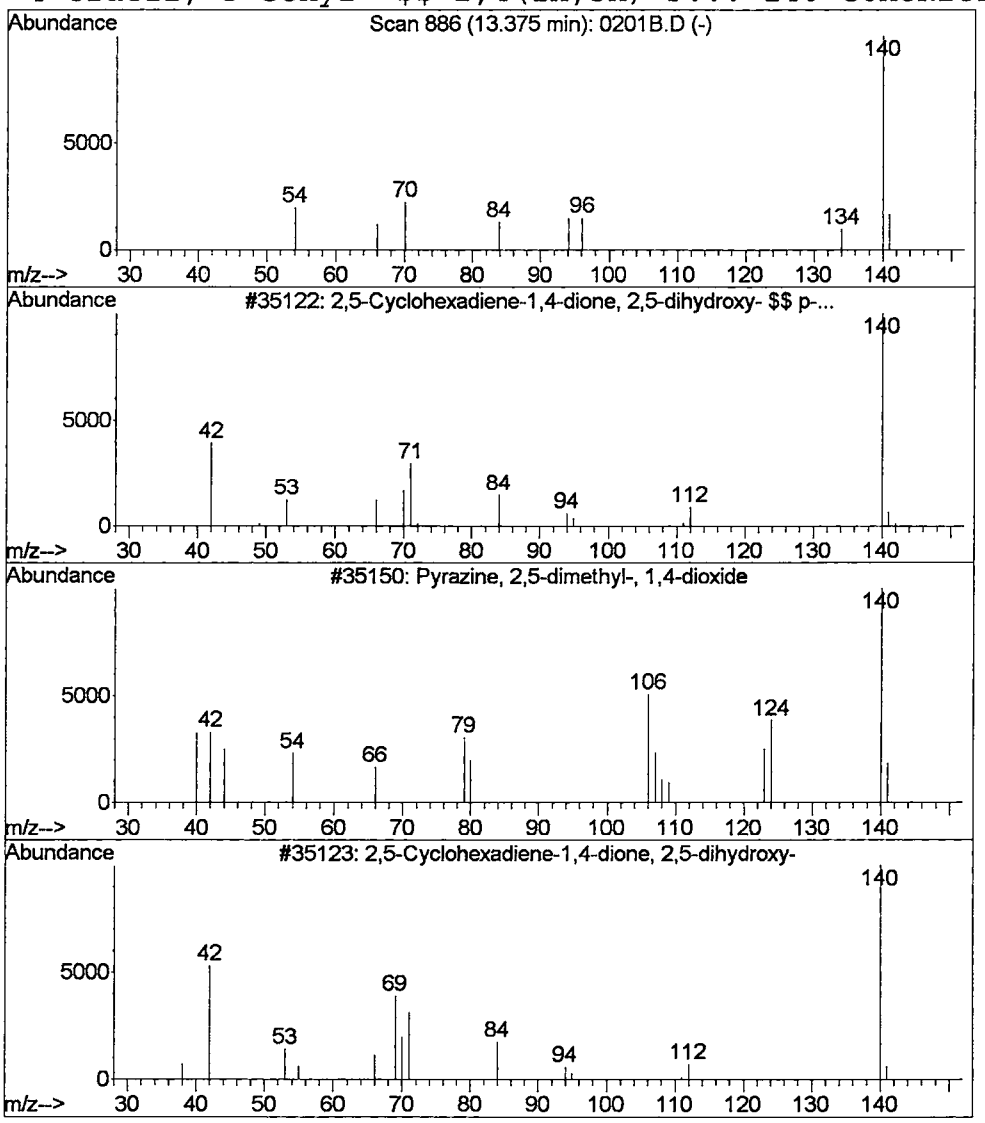
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

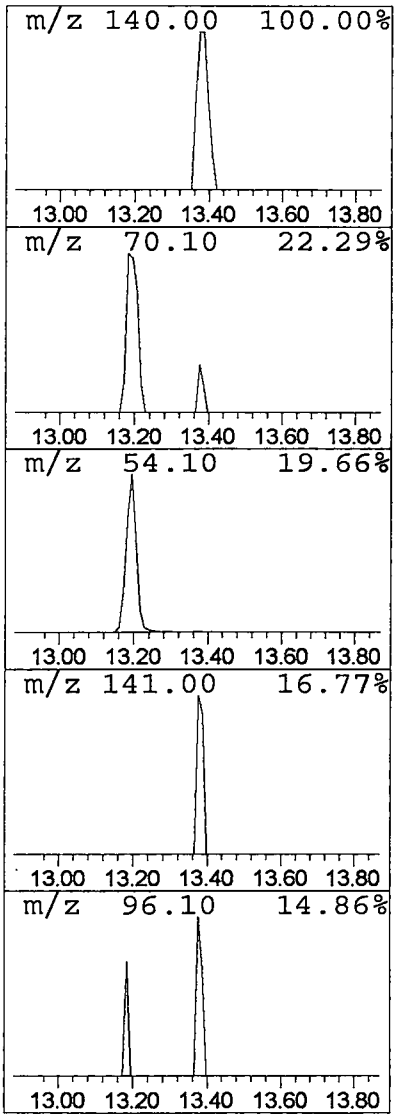
****

Peak Number 6 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.05 ug/L	35086	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	140	C6H4O4	000615-94-1	45
2	Pyrazine, 2,5-dimethyl-, 1,4-dio...	140	C6H8N2O2	006890-38-6	42
3	2,5-Cyclohexadiene-1,4-dione, 2,...	140	C6H4O4	000615-94-1	9
4	Uracil, 5-ethyl- $$ 2,4(1H,3H)-P...	140	C6H8N2O2	004212-49-1	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

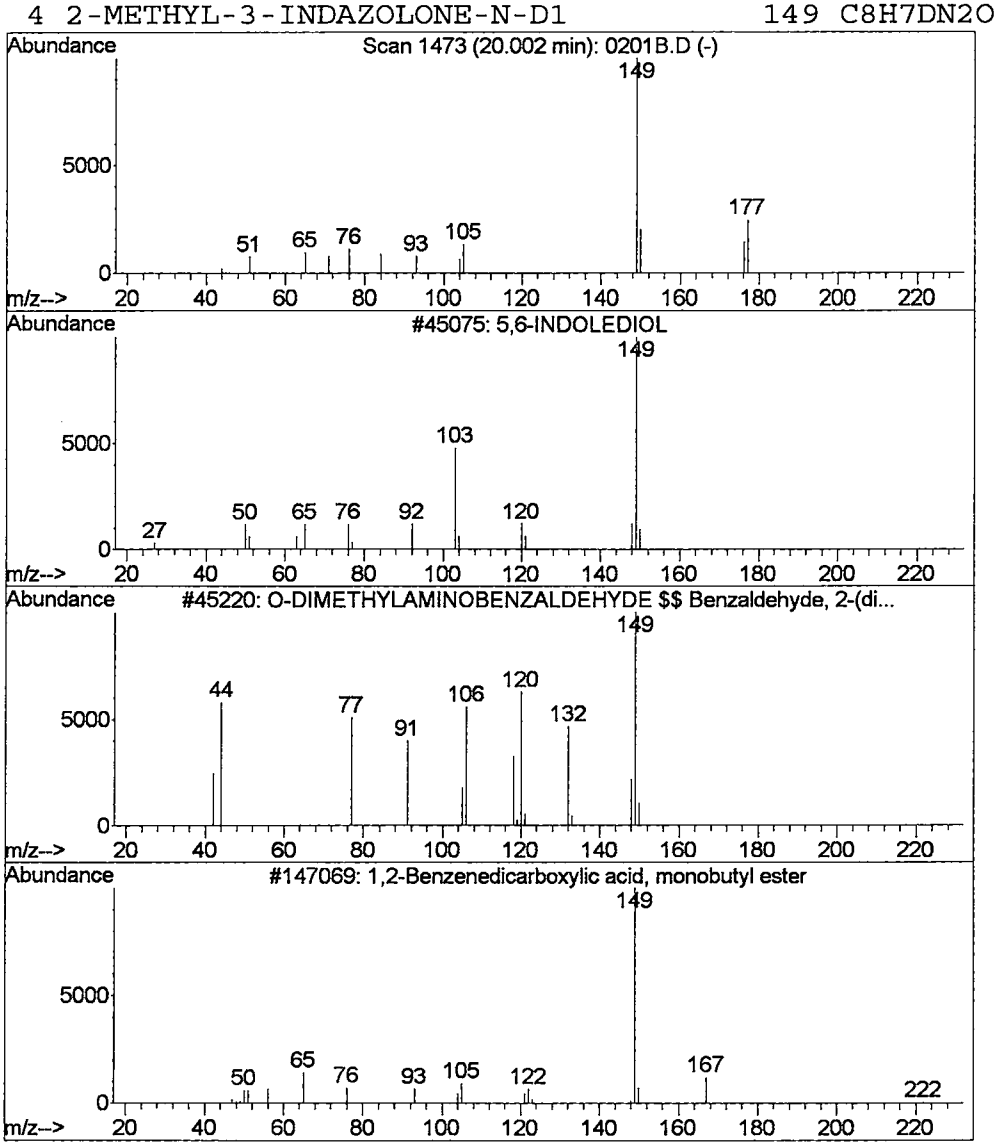
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

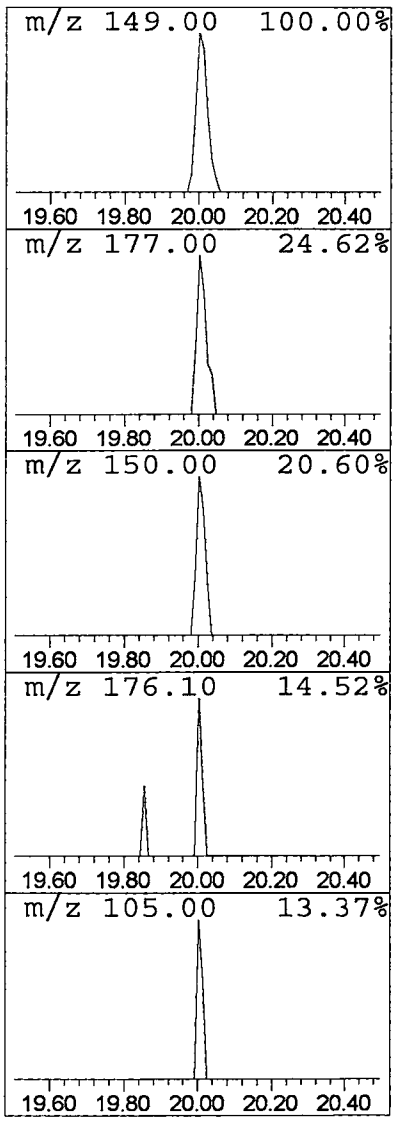
****

Peak Number 7 5,6-INDOLEDIOL Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	0.06 ug/L	43494	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,6-INDOLEDIOL	149	C8H7NO2	000000-00-0	47
2	O-DIMETHYLAMINOBENZALDEHYDE $$ B...	149	C9H11NO	000579-72-6	43
3	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	40
4	2-METHYL-3-INDAZOLONE-N-D1	149	C8H7DN2O	054120-67-1	28





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

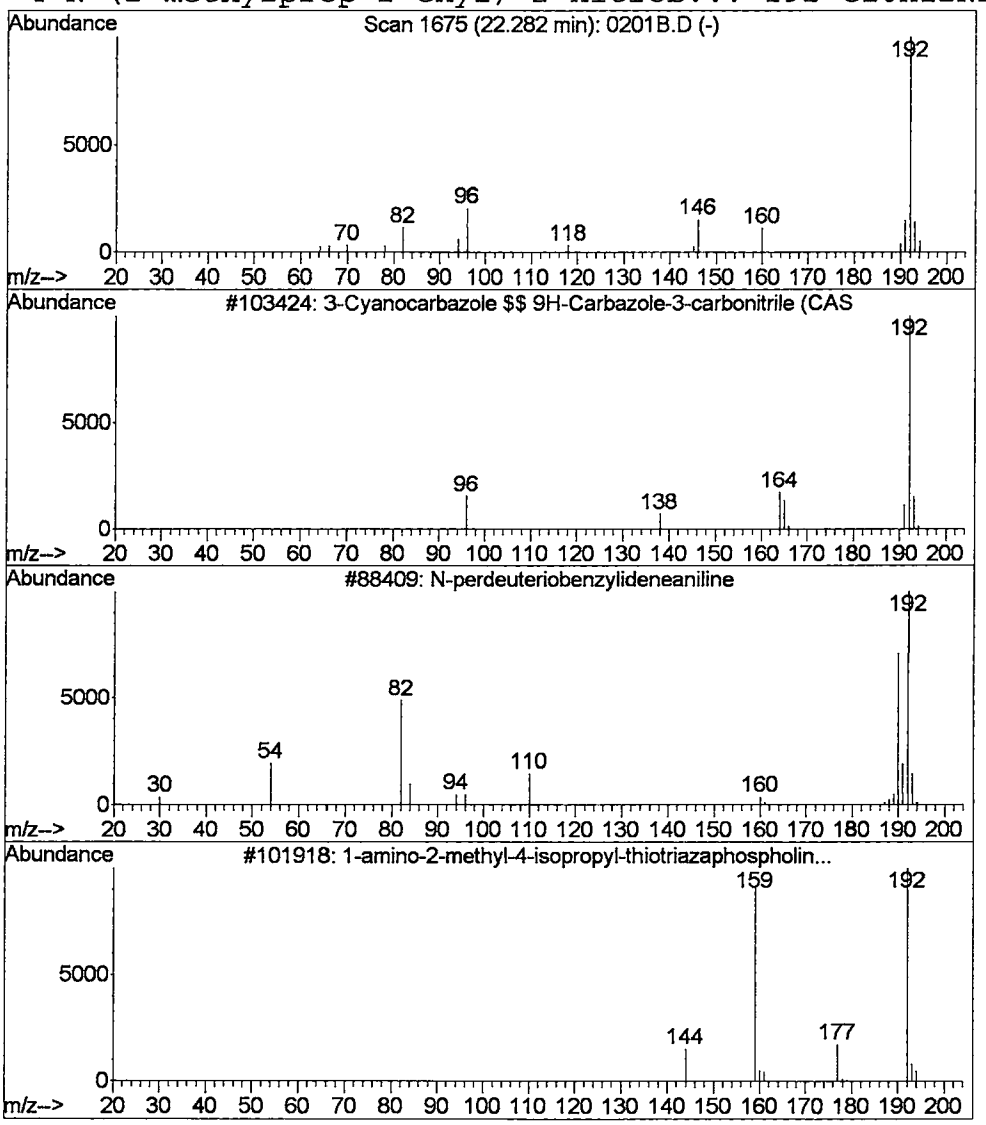
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

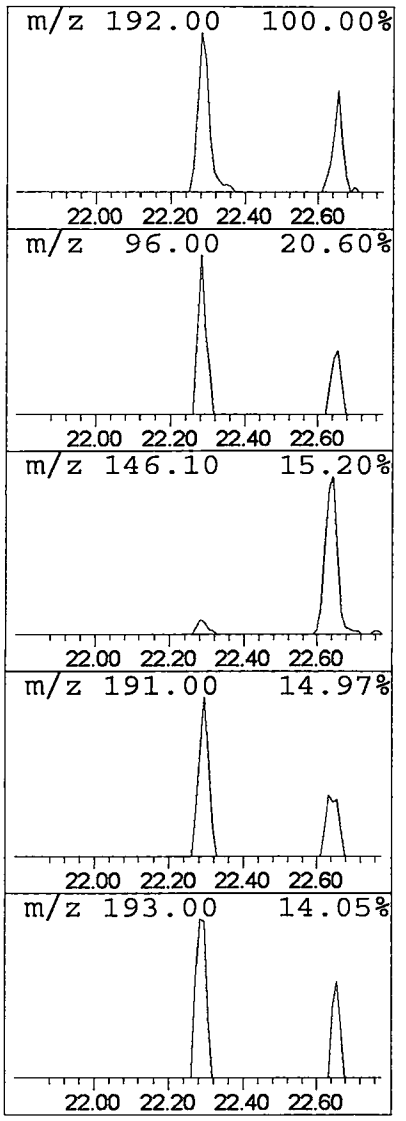
****

Peak Number 8 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.10 ug/L	78263	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
2	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	52
3	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50
4	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	46





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

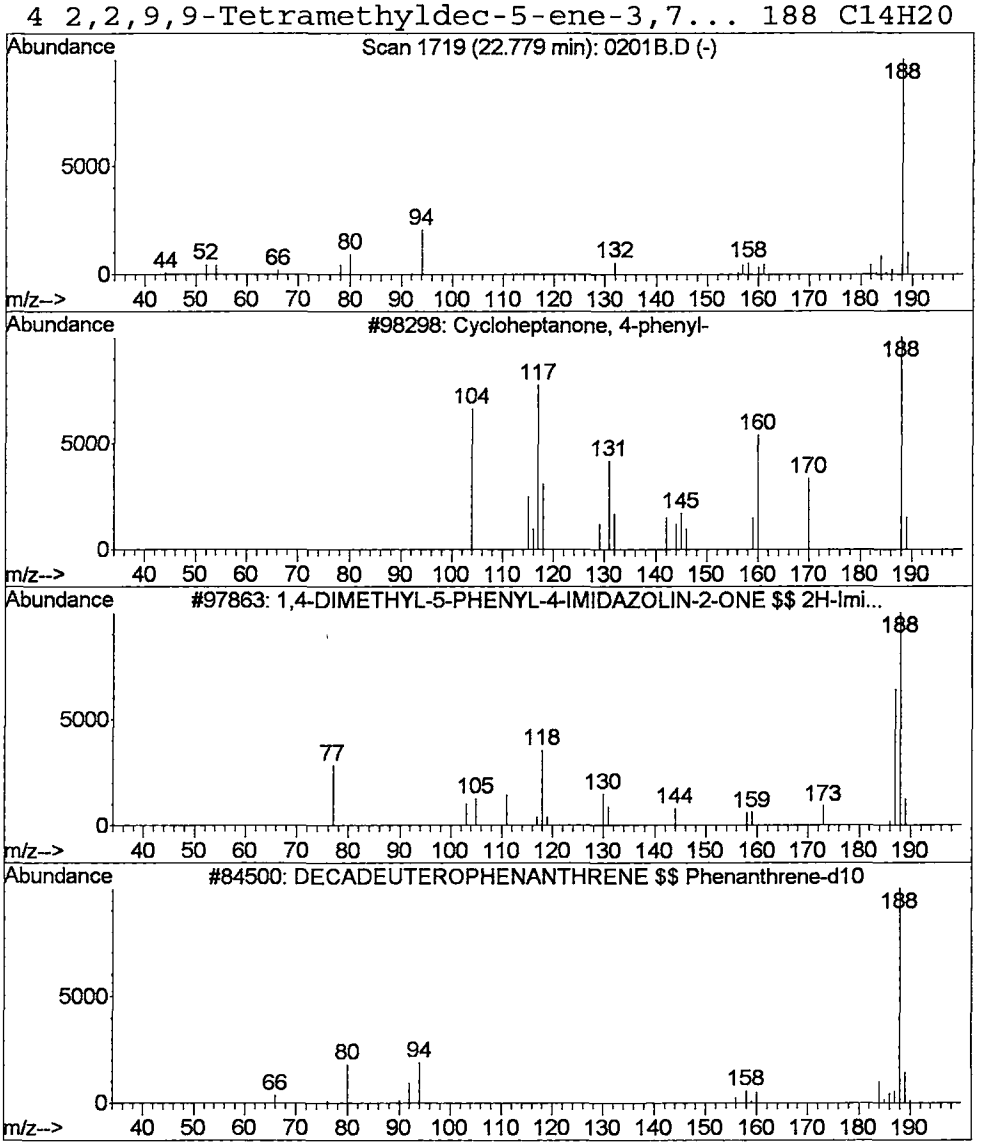
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

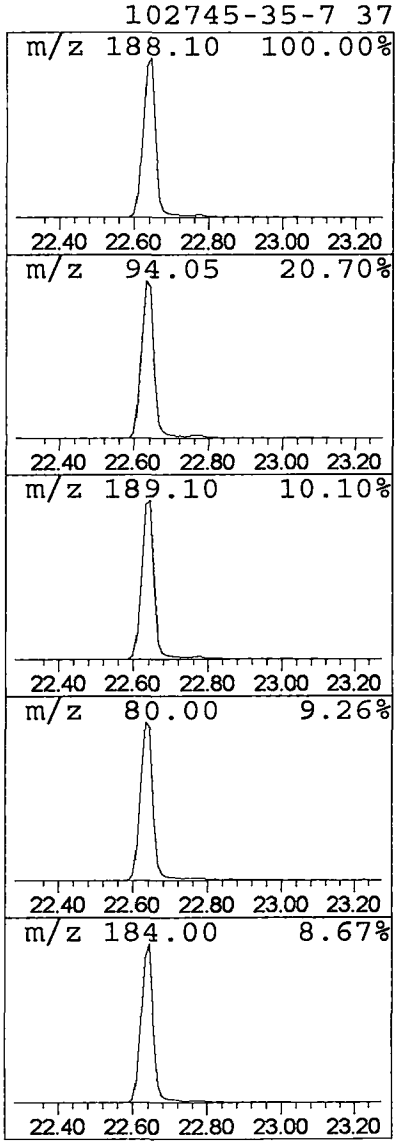
****

Peak Number 9 Cycloheptanone, 4-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.78	0.61 ug/L	458992	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	43
2	1,4-DIMETHYL-5-PHENYL-4-IMIDAZOL...	188	C11H12N2O	022199-48-0	40
3	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	38
4	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	37





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

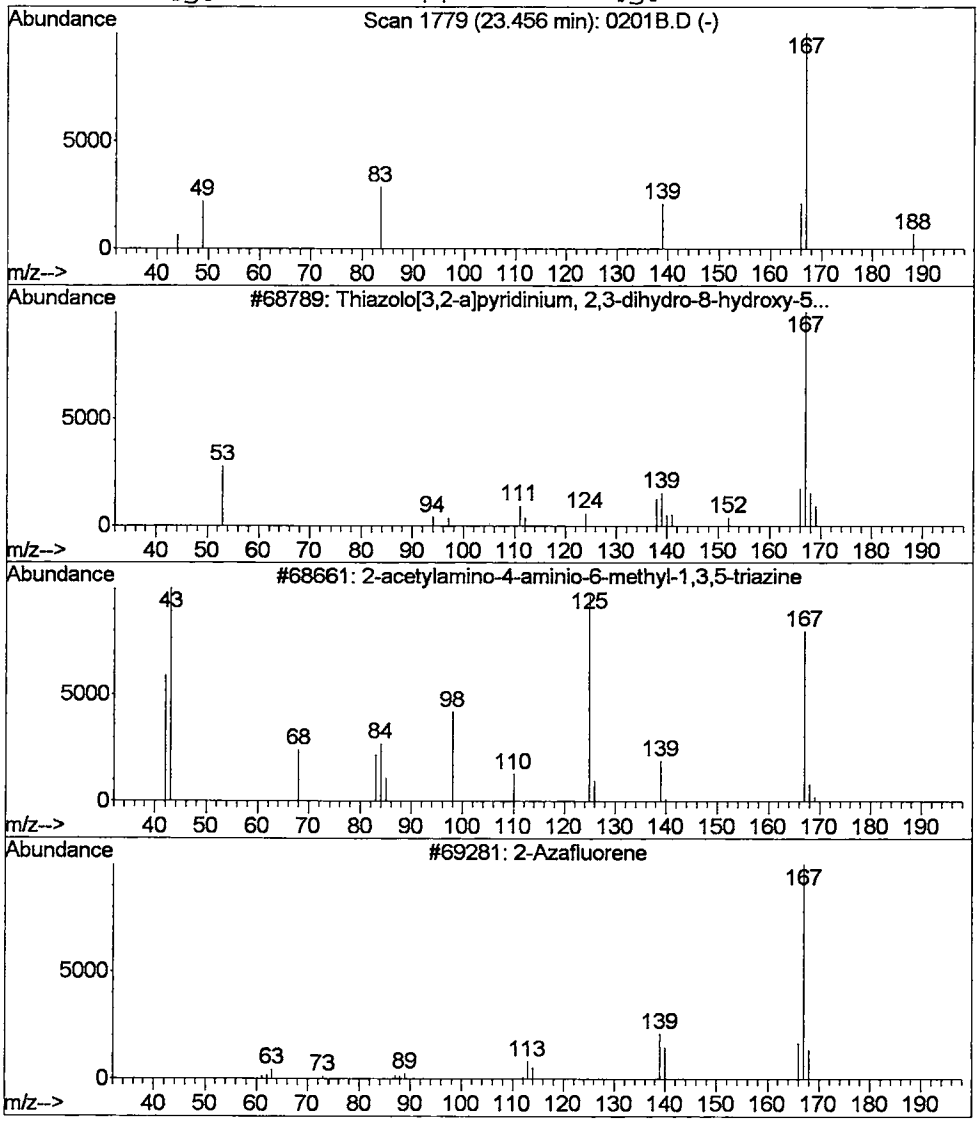
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

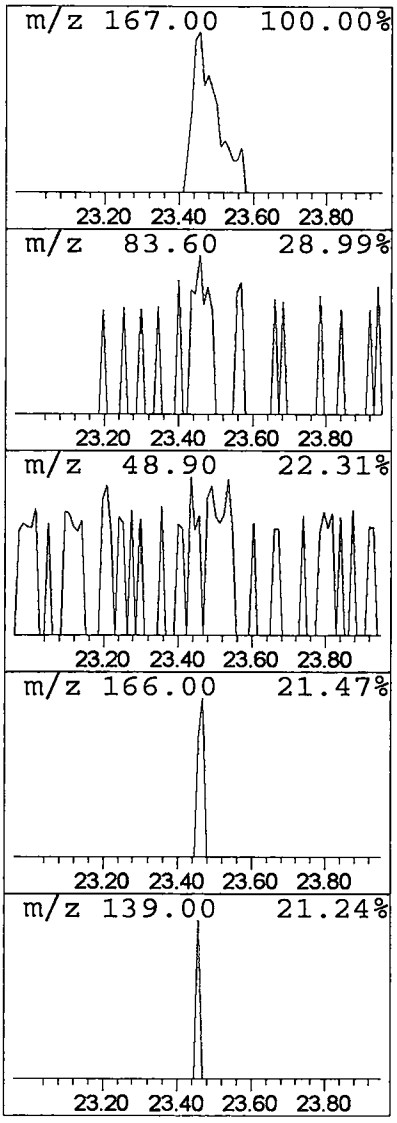
****

Peak Number 10 Thiazolo[3,2-a]pyridinium, ... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	0.03 ug/L	25982	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazolo[3,2-a]pyridinium, 2,3-d...	167	C8H9NOS	023003-43-2	9
2	2-acetylamino-4-aminio-6-methyl-...	167	C6H9N5O	000000-00-0	9
3	2-Azafluorene	167	C12H9N	000000-00-0	9
4	benzo[g]indole-1H $$ 1H-Benz[g]i...	167	C12H9N	000233-34-1	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

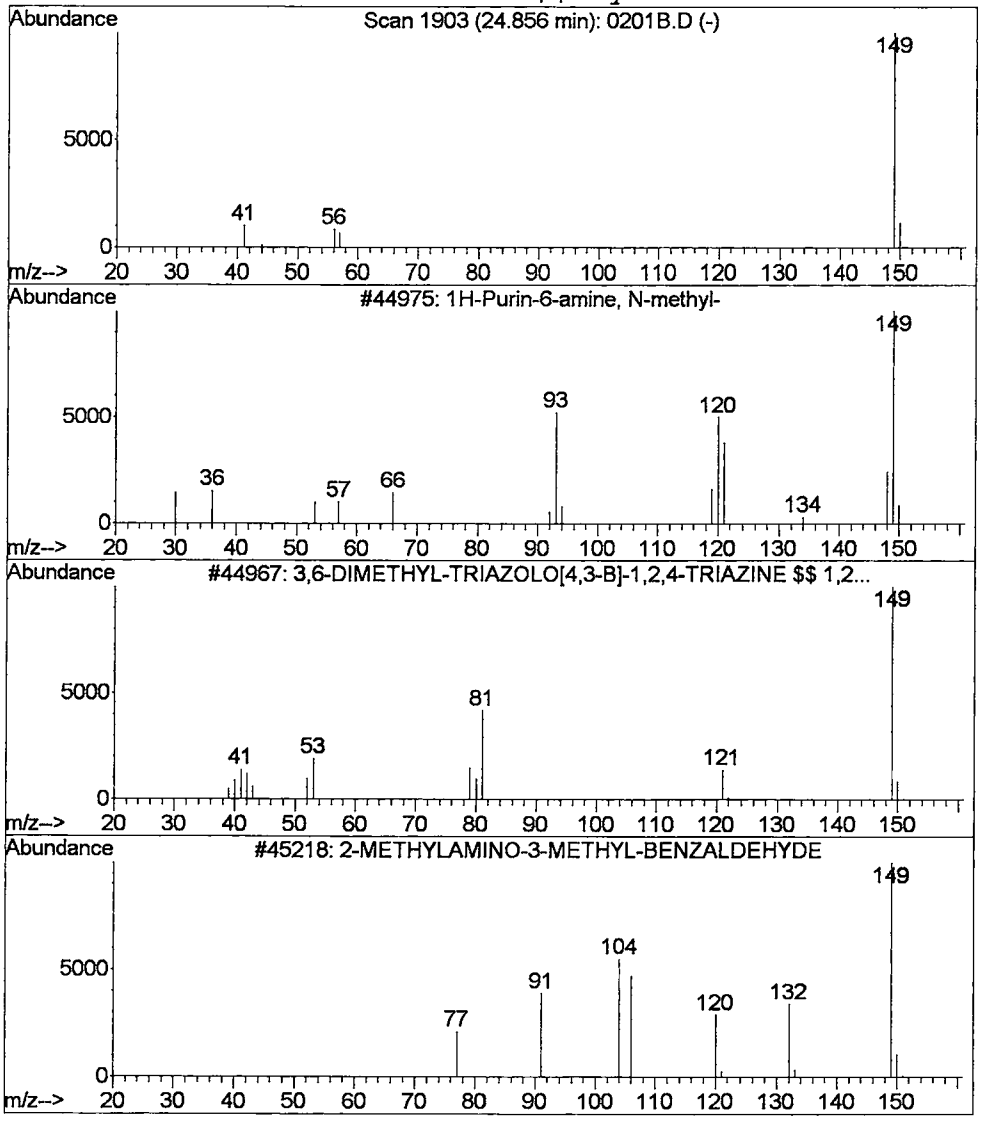
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

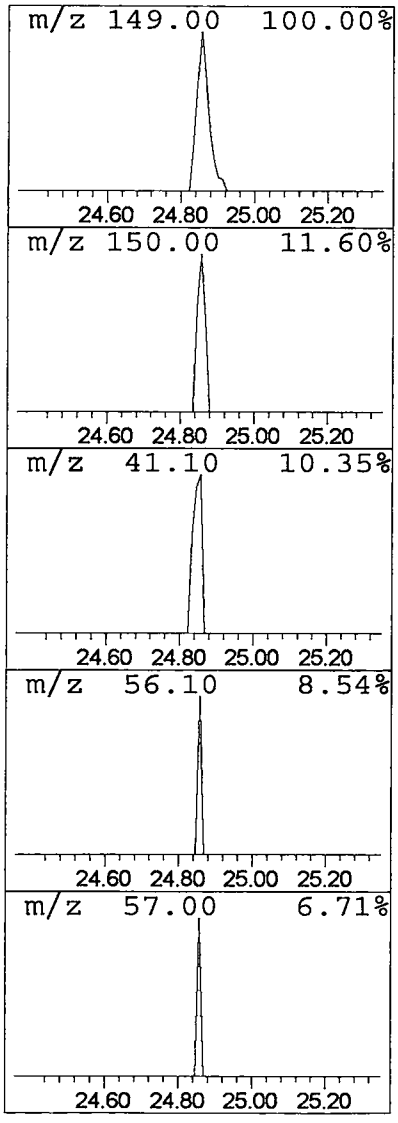
****

Peak Number 11 1H-Purin-6-amine, N-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.86	0.03 ug/L	23505	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Purin-6-amine, N-methyl-	149	C6H7N5	000443-72-1	7
2	3,6-DIMETHYL-TRIAZOLO[4,3-B]-1,2...	149	C6H7N5	061139-71-7	5
3	2-METHYLAMINO-3-METHYL-BENZALDEHYDE	149	C9H11NO	000000-00-0	4
4	4-PYRROLIDINOPYRIDAZINE $$ Pyrid...	149	C8H11N3	069698-08-4	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

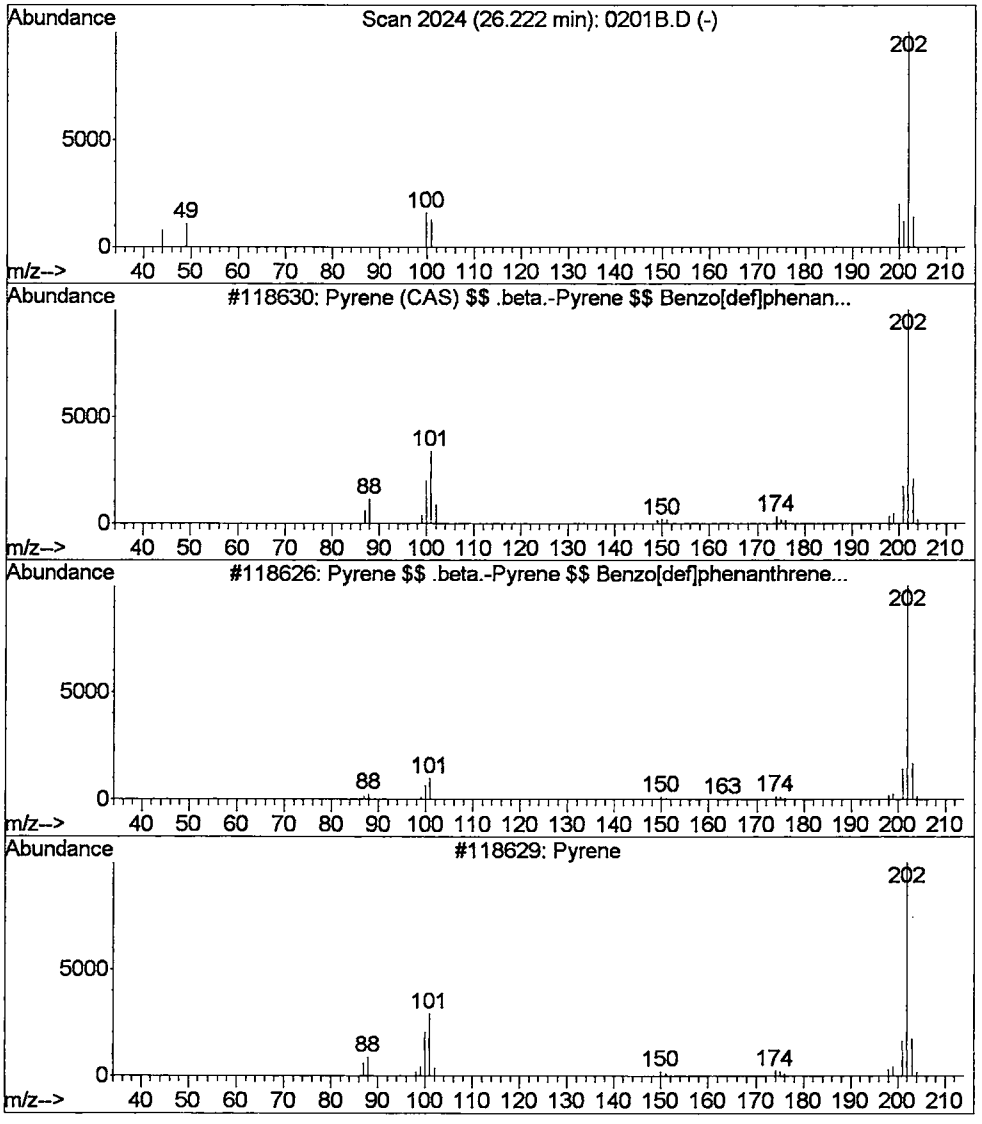
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

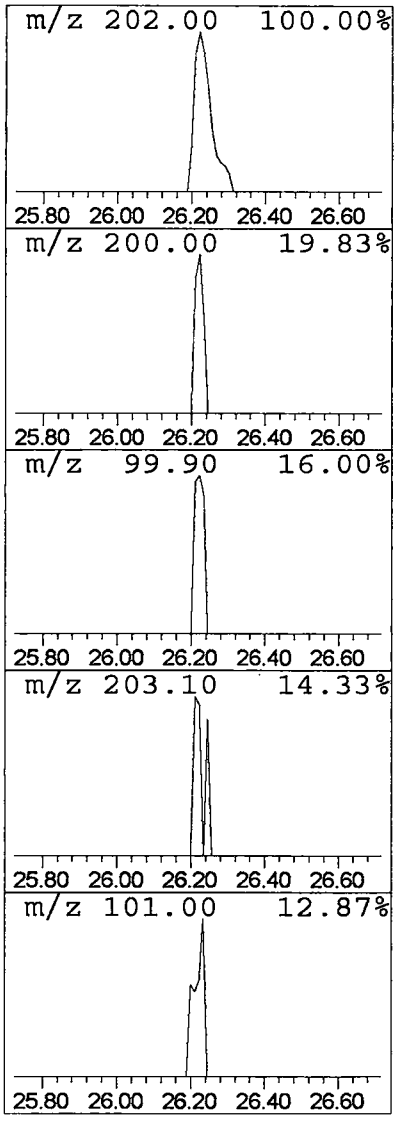
****

Peak Number 12 Pyrene (CAS) $$ .beta.-Pyre... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.22	0.03 ug/L	21194	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene (CAS) $$ .beta.-Pyrene $$...	202	C16H10	000129-00-0	64
2	Pyrene $$ .beta.-Pyrene $$ Benzo...	202	C16H10	000129-00-0	64
3	Pyrene	202	C16H10	000129-00-0	59
4	Fluoranthene	202	C16H10	000206-44-0	59





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\0201B.D Vial: 1
Acq On : 27 Feb 2002 10:33 am Operator:
Sample : lab blank 2/1 Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

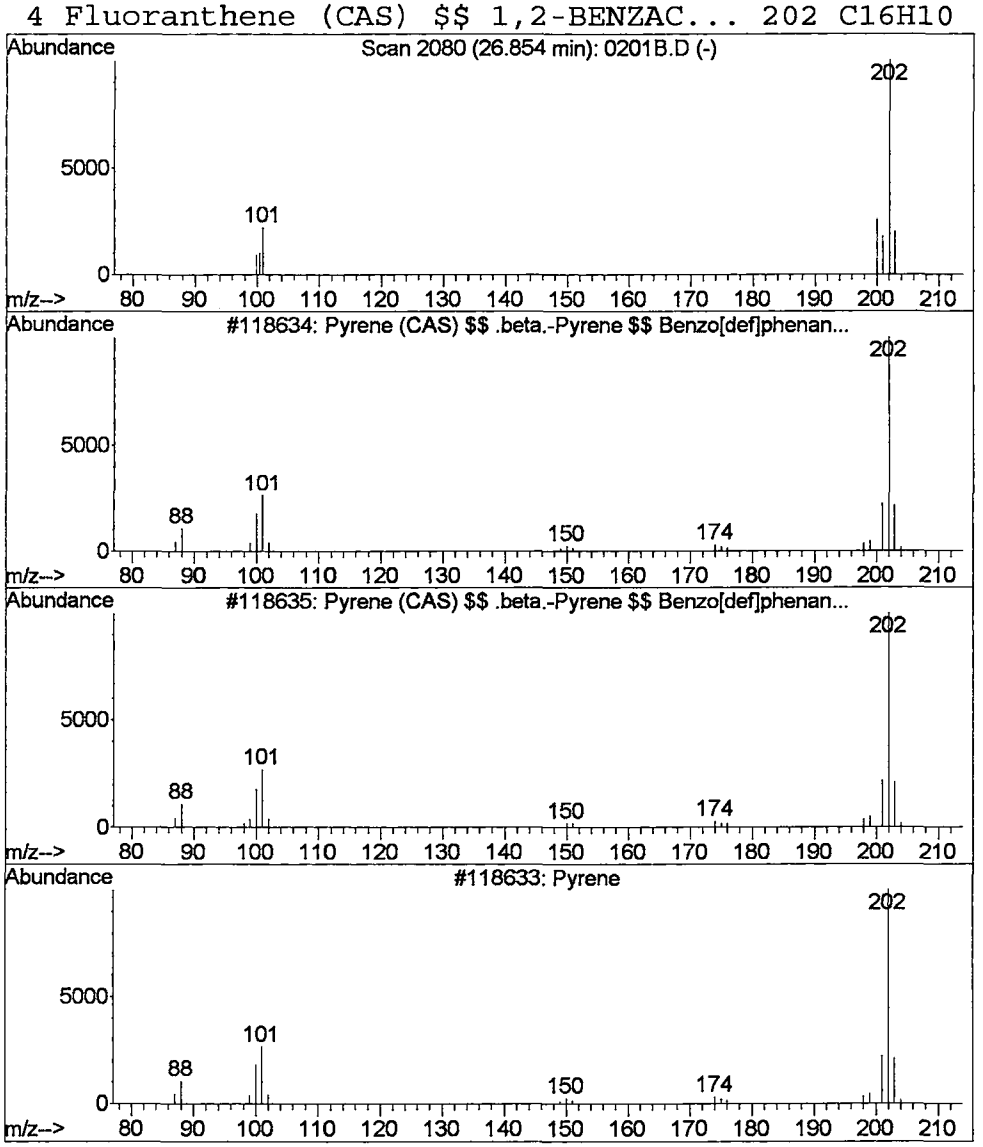
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

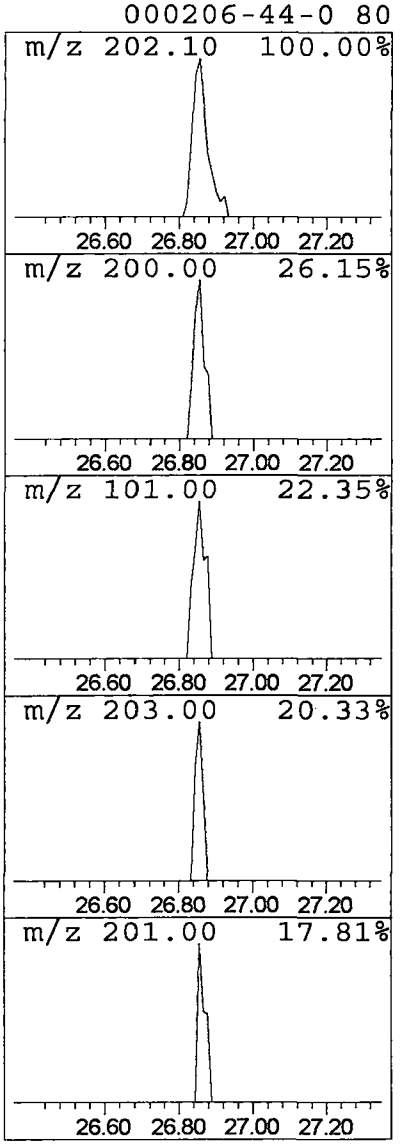
****

Peak Number 13 Pyrene (CAS) $$ .beta.-Pyre... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.85	0.04 ug/L	29151	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene (CAS) $$ .beta.-Pyrene $$...	202	C16H10	000129-00-0	80
2	Pyrene (CAS) $$ .beta.-Pyrene $$...	202	C16H10	000129-00-0	80
3	Pyrene	202	C16H10	000129-00-0	80
4	Fluoranthene (CAS) $$ 1,2-BENZAC...	202	C16H10	000206-44-0	80





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Feb 2002 10:33 am
Data File: C:\MSDCHEM\1\5973N\02FEB27\0201B.D
Name: lab blank 2/1
Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Butanoic acid, me...	3.62	0.1	ug/L	67058	1	9.72	8971360	20.0
Propane, 1,1-dime...	3.93	0.1	ug/L	37850	1	9.72	8971360	20.0
2,2-dimethoxybutane	4.25	0.1	ug/L	49138	1	9.72	8971360	20.0
1,3,5-Cycloheptat...	4.38	0.1	ug/L	23888	1	9.72	8971360	20.0
3-(CYCLOHEX-3'-EN...	5.94	0.4	ug/L	198695	1	9.72	8971360	20.0
2,5-Cyclohexadien...	13.38	0.1	ug/L	35086	2	13.19	12974300	20.0
5,6-INDOLEDIOL	20.00	0.1	ug/L	43494	3	18.34	13955700	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	78263	4	22.64	15025300	20.0
Cycloheptanone, 4...	22.78	0.6	ug/L	458992	4	22.64	15025300	20.0
Thiazolo[3,2-a]py...	23.46	0.0	ug/L	25982	4	22.64	15025300	20.0
1H-Purin-6-amine,...	24.86	0.0	ug/L	23505	4	22.64	15025300	20.0
Pyrene (CAS) $$	26.22	0.0	ug/L	21194	4	22.64	15025300	20.0
Pyrene (CAS) $$	26.85	0.0	ug/L	29151	5	30.49	13689000	20.0

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 11:36:28

Sample: AE02382
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 11:35 Ended: 3/7/02 11:35 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		94		5.0

MyCDEP / CRDWA
1/29/02 Sutton

Comments for Sample AE02382 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 12:02:26

The GCMS scan, from 35 to 550 amu, reveals the possible presence of Pyridine at an estimated level of 0.12 ug/L and with a fit of 90 out of 100;
4-Methylpyridine at 0.07 ug/L and with a fit of 90 out of 100; and Carbazole at 0.06 ug/L and with a fit of 90 out of 100. The recoverie for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 2 were below.

Westchester gov.com

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595
(914) 231-1620 Fax (914) 231-1772

ACCREDITED IN ACCORDANCE WITH nelac
NYS-ELAP No. 10108
Form A-70 (rev.10/01)

Time/Date Set:

Sample Type (circle one):
1. Potable 3. Non Potable *Treated*
2. Non Potable 4. Other _____

Time/Date Collected: 800 12-9-02
Collected By: D. SUTTON Agency Code: _____

Collected From:
Location's/Individual's Name NYC DEP
Street 19 WEST LAKE DRIVE
City/St/Zip Valhalla, NY 10595
Identification of Source _____
Collection Point CR20 GH

Bottle #'s: G 1519, K 51, 50, 41, 78 Q 24181, 24340, P 185, 177
Chain of Custody? ___ Yes ___ No
Comments: _____
PWS #: _____ Source ID: _____ Type Descriptor: _____

Bill to:
Name/Company _____
Street _____
City/St/Zip _____
Phone#: _____ Fax#: _____

CA,CH, BI? _____ Check#: _____ Amount$_____

BACTERIOLOGICAL ANALYSIS
Lab#: _____
___ Heterotrophic Plate Count (hemodialysis & all others)
___ Coliform P/A (Public supplies)
___ Coliform MPN (priv well, raw, stp)
___ Fecal Coliform (all samples)
___ Microscopic
___ Macroscopic
___ API
___ Other: _____

Refrigerated? ____ yes ____ no
Chlorinated:? ____ yes ____ no
Free Chlorine Res:_____ mg/L
Total Chlorine Res: _____ mg/L
pH _____

RADIOCHEMICAL ANALYSIS
___ Radon
___ Other _____

Lab#: _____

ORGANIC POTABLE ANALYSIS
___ Trihalomethanes (524)
✓ Volatile Halocarbons (524)
✓ Volatile Aromatics (524)
___ Total Trihalomethane Potential (510)
___ Microextractables (504)
___ Pesticides/PCB screen (508)
___ PCB as Decachlorobiphenyl (508A)
___ Herbicides (515)
___ Pesticides (525)
___ Carbamate Pesticides (531)
___ Glyphosate (547)
___ Diquat (549)
___ Chlorination Disinfection Byproducts (551)
___ Haloacetic Acids (552)
___ Other Pesticides (SM18/6630)
___ UCMR List 1
___ MtBE Only (524)

ORGANIC NONPOTABLE/ SOLID ANALYSIS
___ Purgeable Halocarbons (624/8260)
___ Purgeable Aromatics (624/8260)
___ Acrolein & Acrylonitrile (8260)
___ Organochlorine Pesticides (608/8081)
___ PCB's (Arochlors) (608/8081)
___ Herbicides (SM18/6630,8151)
___ Other Pesticides (SM18/6630)
___ Petroleum Hydrocarbon Scan (310-13)
___ Glycols in Water
___ Acid Extractables (625/8270)
___ Base Neutral Extractables (625/8270)
✓ GC/MS Unknown Scan
___ Phthalates (606MS)
___ Other:_____

INORGANIC ANALYSIS REQUESTED - Lab#: 1252

___ Color
___ Turbidity
___ pH
___ Conductivity
___ Corrosivity (temp:_____°C)
___ BOD (5 day)
___ Carbonaceous BOD (5 day)
___ Soluble BOD (5 day)
___ Chemical Oxygen Demand
___ Dissolved Oxygen
___ Total Organic Carbon
___ Total Organic Halides
___ Solids, Percent (%)
___ Solids, Settleable
___ Solids, Suspended
___ Solids, Total
___ Solids, Total Dissolved
___ Solids, Total Volatile
✓ Other: S²⁻

___ Acidity
___ Alkalinity
___ Bromide
___ Bromate/Chlorate/Chlorite
___ Chloride
___ Cyanide
___ Fluoride
___ Hardness, Total as $CaCO_3$
___ Nitrogen, Ammonia as N
___ Nitrogen, Nitrate as N
___ Nitrogen, Nitrite as N
___ Nitrogen, Total Kjeldahl as N
___ Oil and Grease
___ Phenol
___ Phosphorus Total as P
___ Phosphorus, Ortho as P
___ Sulfates
___ Surfactants
___ UV254

✓ Aluminum
✓ Antimony
___ Arsenic
___ Barium
✓ Beryllium
___ Boron
___ Cadmium
___ Calcium, as $CaCO_3$
___ Calcium, Ca^{+2}
___ Chromium, Total
___ Chromium, Hexavalent
✓ Cobalt
___ Copper
✓ Iron
___ Lead
___ Magnesium
✓ Manganese
___ Mercury
✓ Molybdenum
___ Nickel

___ Potassium
___ Selenium
___ Silver
___ Sodium
✓ Thallium
___ Vanadium
___ Zinc

CLP
___ Metals/CN
___ Volatiles
___ Semi-violatiles
___ Pesticides/PCB's

TCLP
___ TCLP-Metals
___ TCLP-Pesticides
___ TCLP-Herbicides
___ TCLP-Volatiles
___ TCLP-BNA's

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02382.D Vial: 3
Acq On : 27 Feb 2002 12:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:43 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

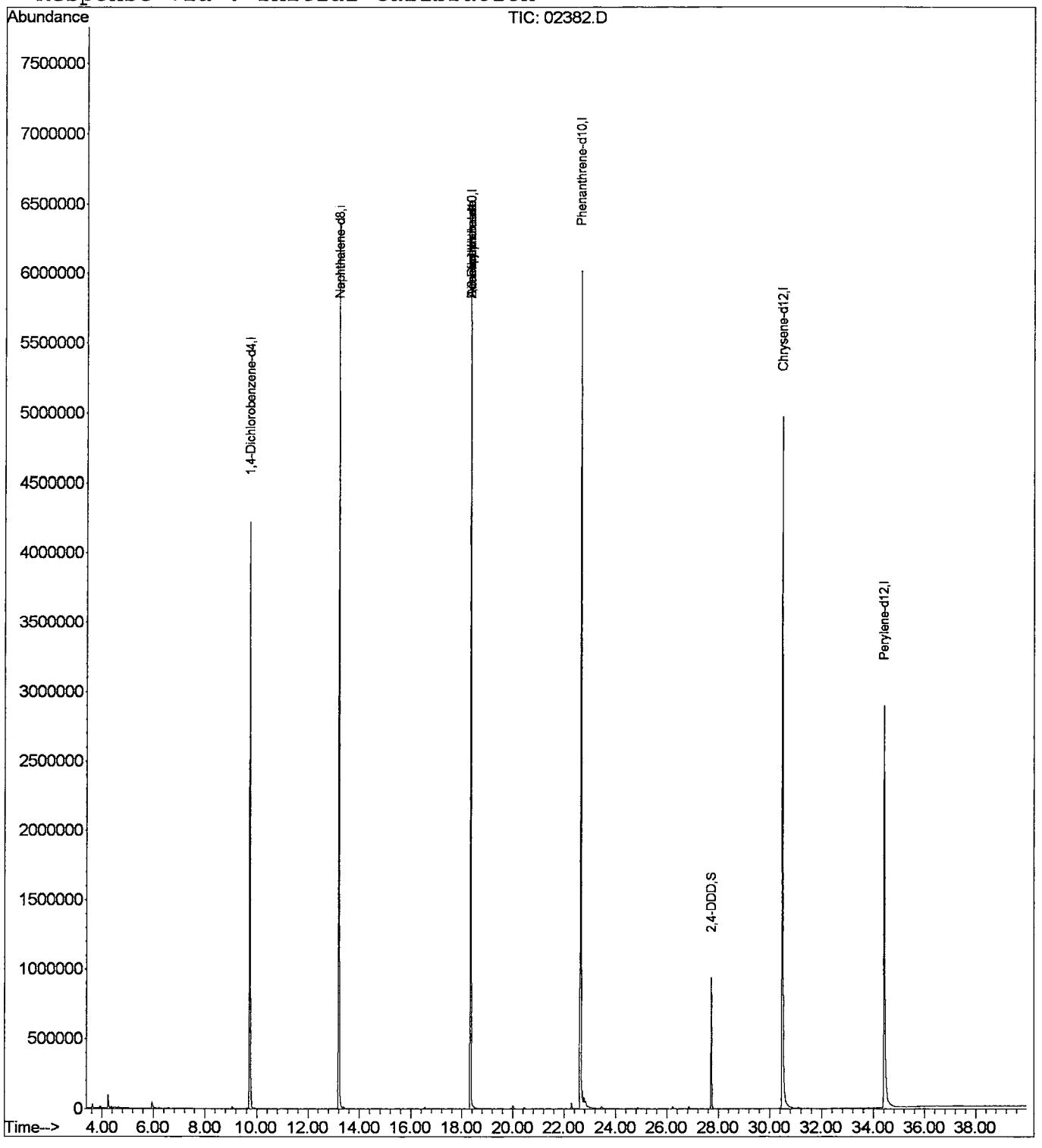
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1496122	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	6407663	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3273900	20.00	ug/L	0.00
29) Phenanthrene-d10	22.63	188	5544864	20.00	ug/L	-0.01
38) Chrysene-d12	30.49	240	3884391	20.00	ug/L	-0.03
44) Perylene-d12	34.41	264	2469517	20.00	ug/L	-0.04
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	346051	4.68	ug/L	0.00
Spiked Amount 5.000			Recovery = 93.60%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	528589	2.66	ug/L	# 58
21) 2,6-Dinitrotoluene	18.34	165	408383	8.90	ug/L	# 27

(#) = qualifier out of range (m) = manual integration
02382.D HP022102.M Thu Feb 28 08:37:44 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02382.D Vial: 3
Acq On : 27 Feb 2002 12:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02382.D Vial: 3
Acq On : 27 Feb 2002 12:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.622	17	22	25	rBV	28327	49879	0.36%	0.071%
2	4.243	73	77	85	rBV2	95141	209153	1.52%	0.297%
3	4.469	93	97	107	rBV6	6987	51537	0.37%	0.073%
4	5.948	223	228	251	rVV	48672	162080	1.17%	0.230%
5	9.063	499	504	511	rBV	14135	30876	0.22%	0.044%
6	9.718	557	562	575	rVV	4228984	8370194	60.66%	11.888%
7	13.195	865	870	875	rBV	6367500	12023863	87.14%	17.077%
8	13.387	883	887	895	rVB2	13593	33283	0.24%	0.047%
9	18.343	1321	1326	1331	rBV	6463782	13176147	95.49%	18.714%
10	20.002	1469	1473	1489	rVB	24554	55439	0.40%	0.079%
11	20.443	1509	1512	1521	rBV2	10383	35172	0.25%	0.050%
12	22.283	1671	1675	1679	rBV2	42674	81815	0.59%	0.116%
13	22.633	1701	1706	1711	rBV2	6014847	13798554	100.00%	19.598%
14	22.768	1715	1718	1735	rVB2	74244	365436	2.65%	0.519%
15	23.445	1769	1778	1783	rBV2	12863	38693	0.28%	0.055%
16	26.223	2019	2024	2033	rVB	16465	39633	0.29%	0.056%
17	26.843	2075	2079	2083	rVV	16459	40353	0.29%	0.057%
18	27.724	2153	2157	2163	rBV	940228	1686556	12.22%	2.395%
19	30.490	2397	2402	2433	rBV	4970000	11668841	84.57%	16.573%
20	34.407	2743	2749	2781	rBV	2889704	8491810	61.54%	12.061%

Sum of corrected areas: 70409314

LSC Report - Integrated Chromatogram

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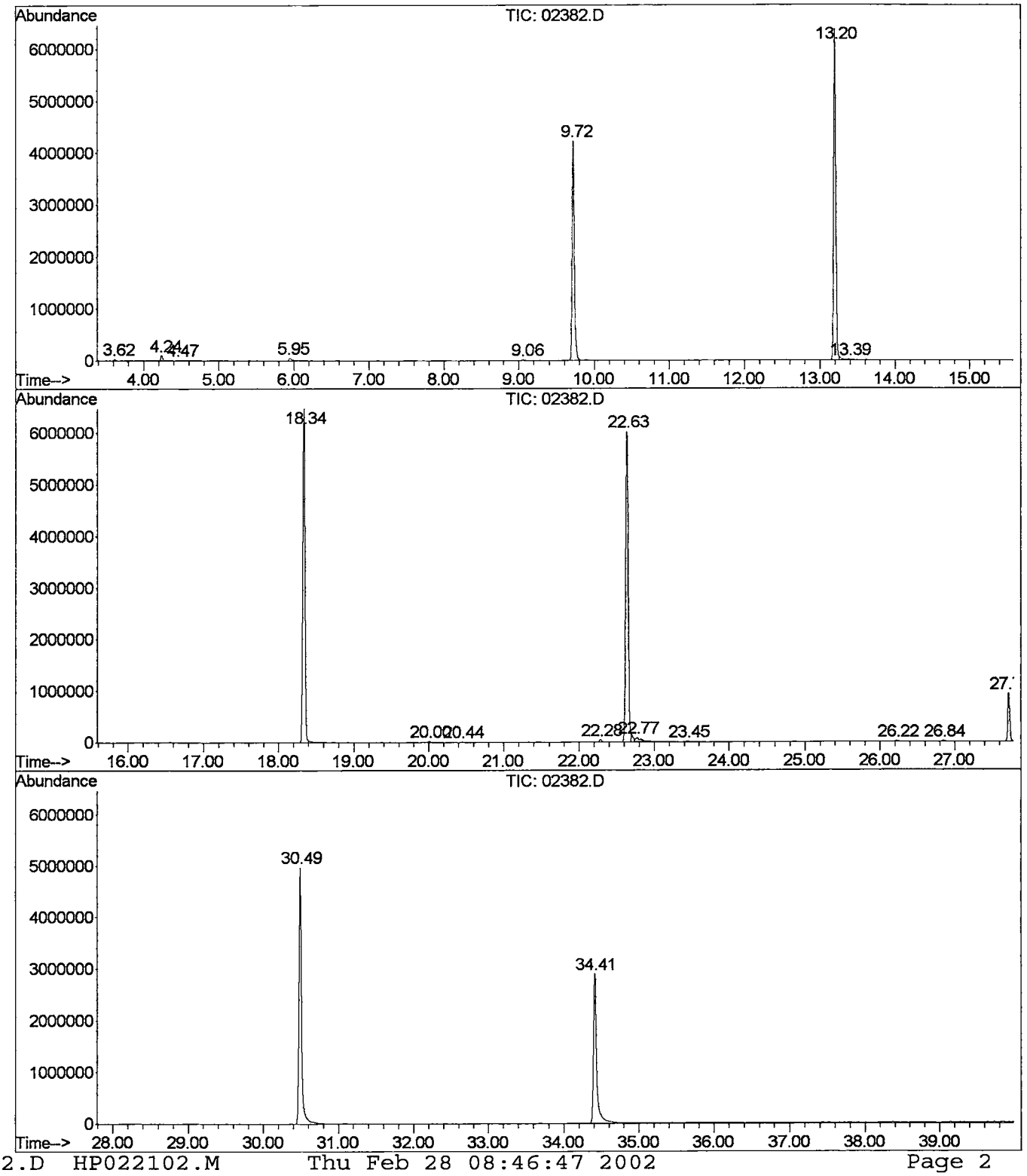
Operator :
Acquired : 27 Feb 2002 12:13 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 27, 2002
Vial Number: 3
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

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Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.12 ug/L	49879	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
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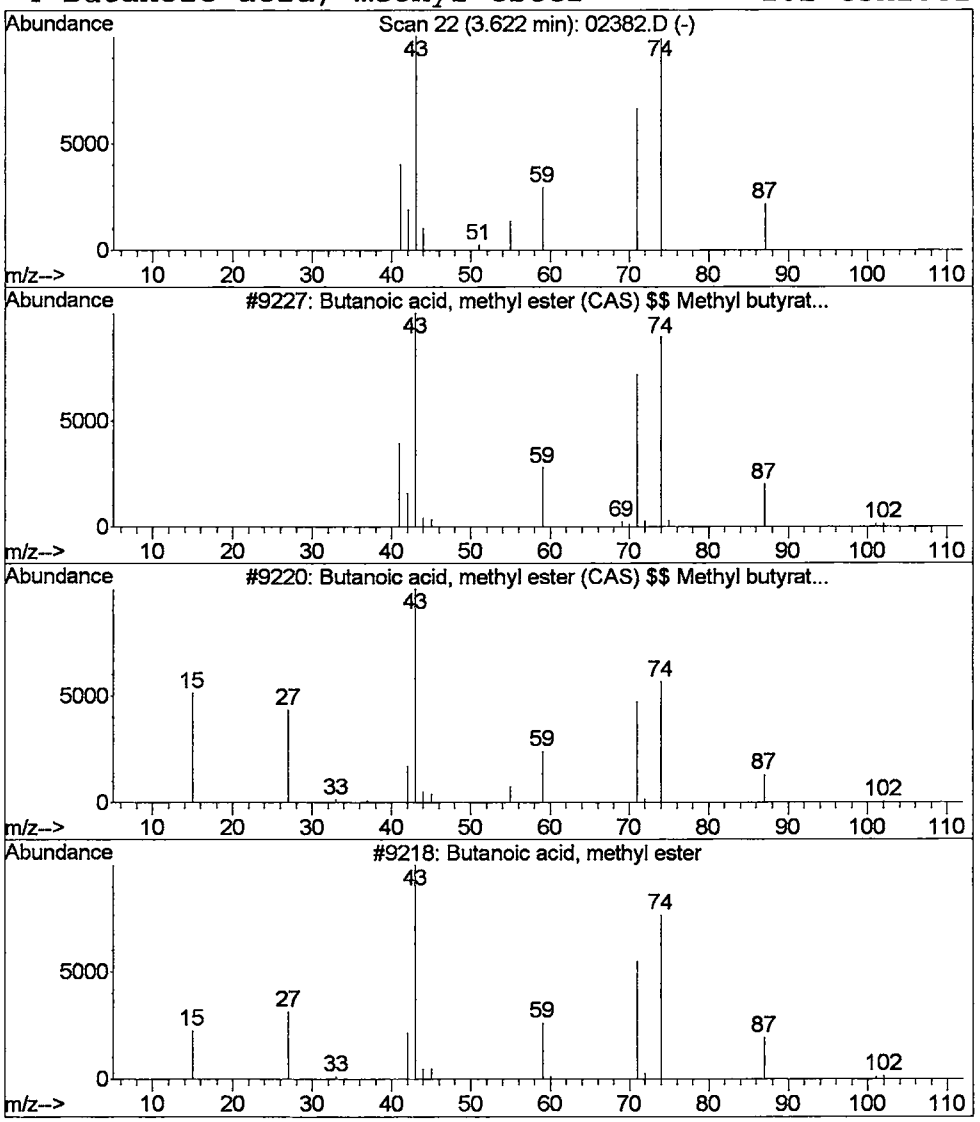

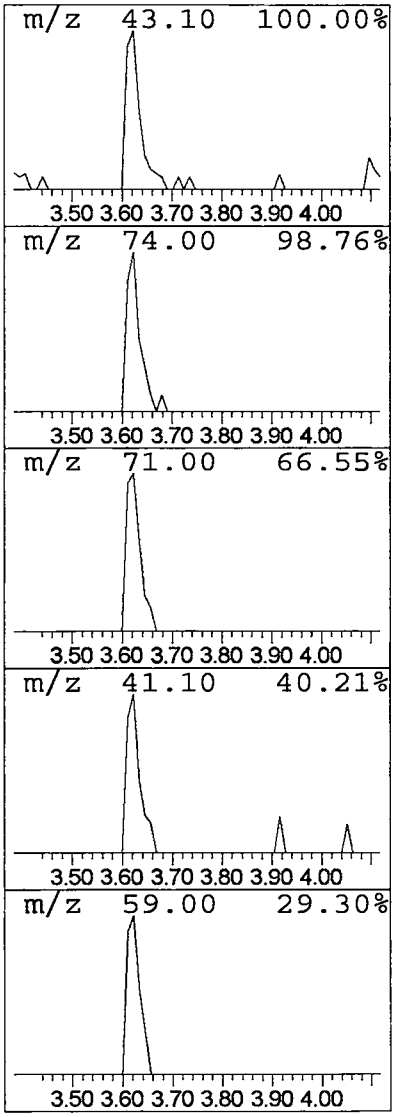

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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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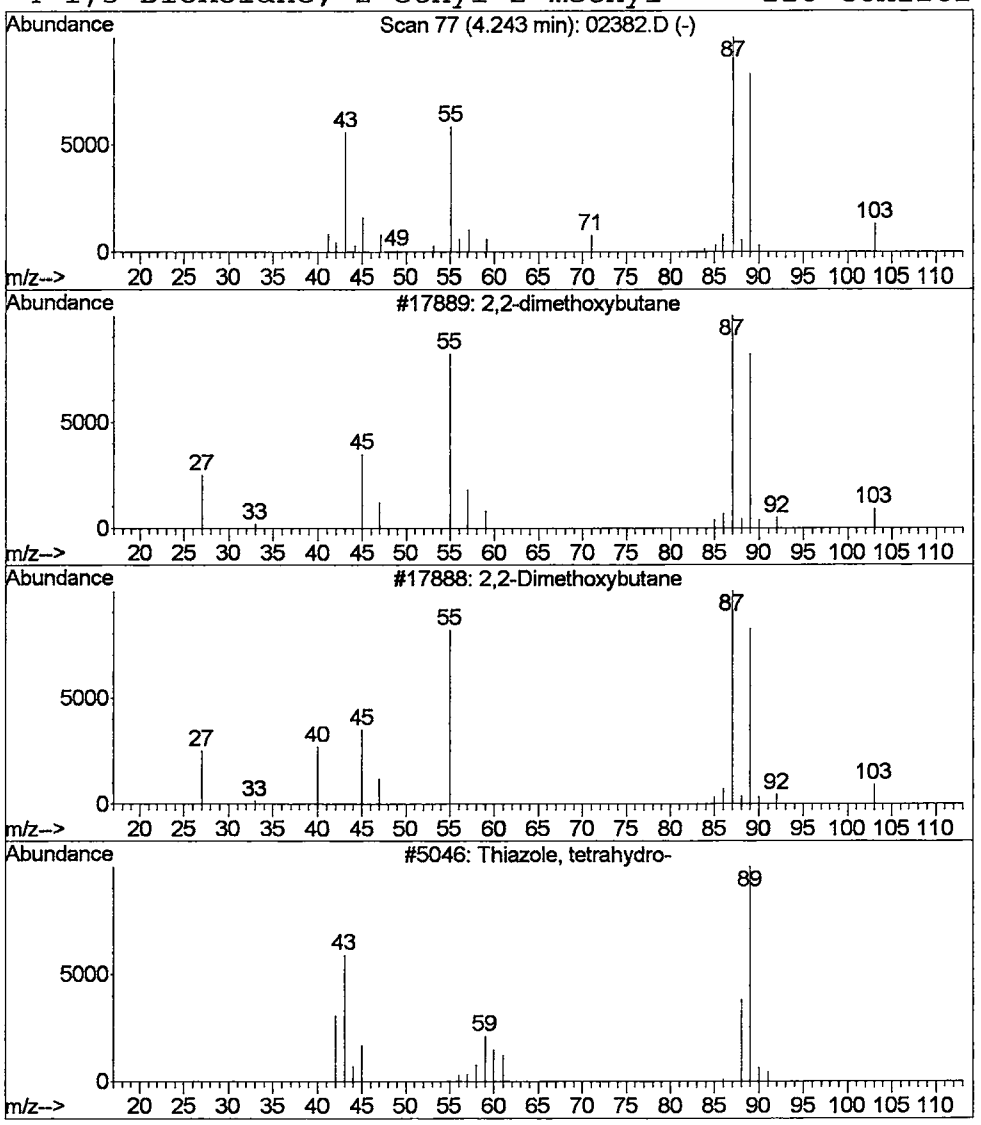
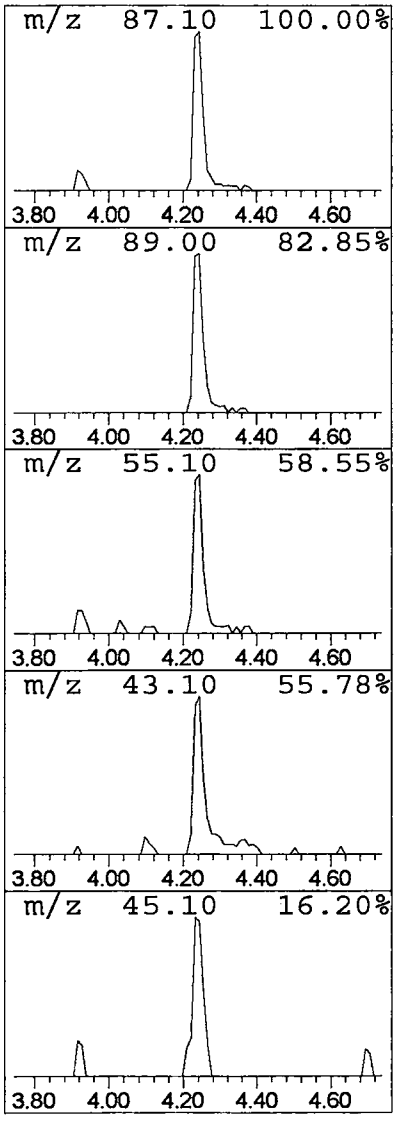
Peak Number 2 2,2-dimethoxybutane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.50 ug/L	209153	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	83
2	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	83
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	36
4	1,3-Dioxolane, 2-ethyl-2-methyl-	116	C6H12O2	000126-39-6	10





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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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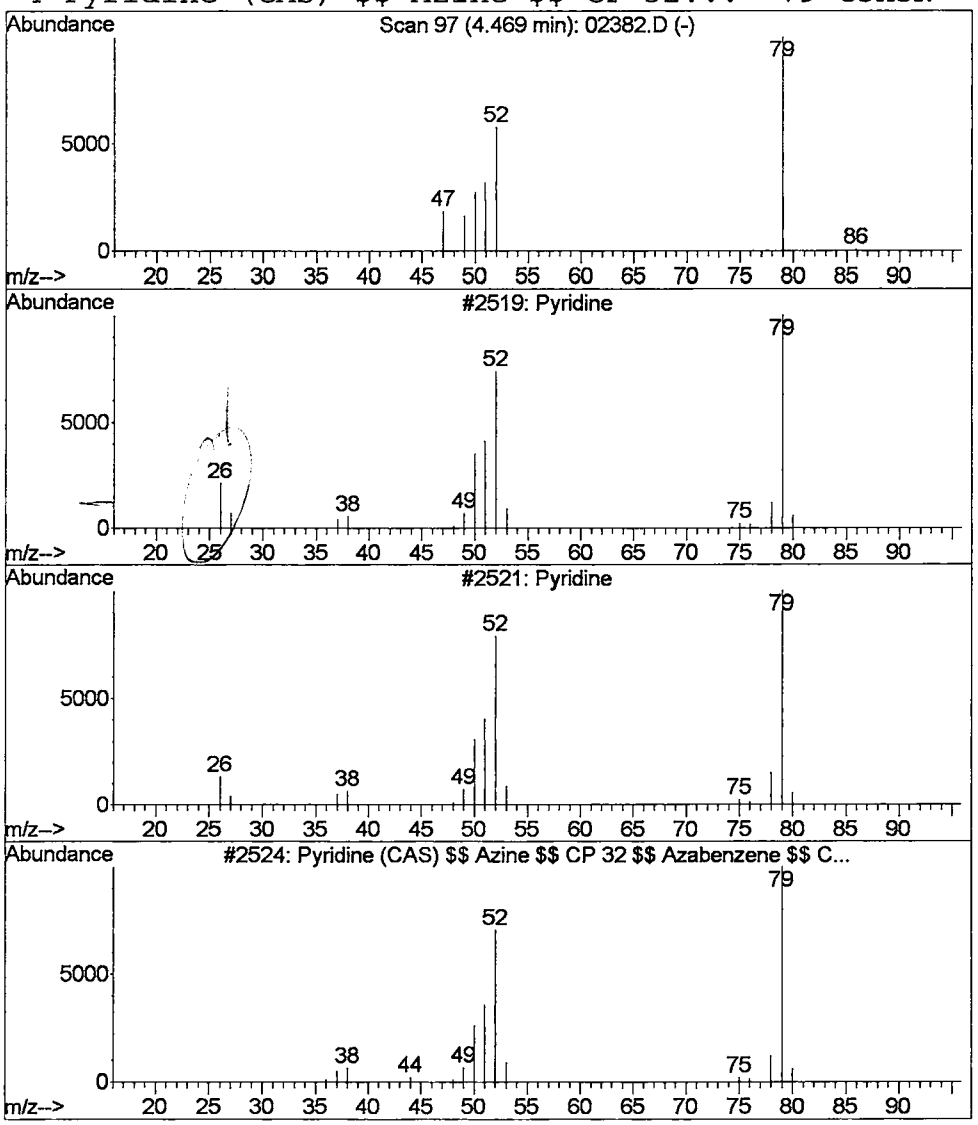
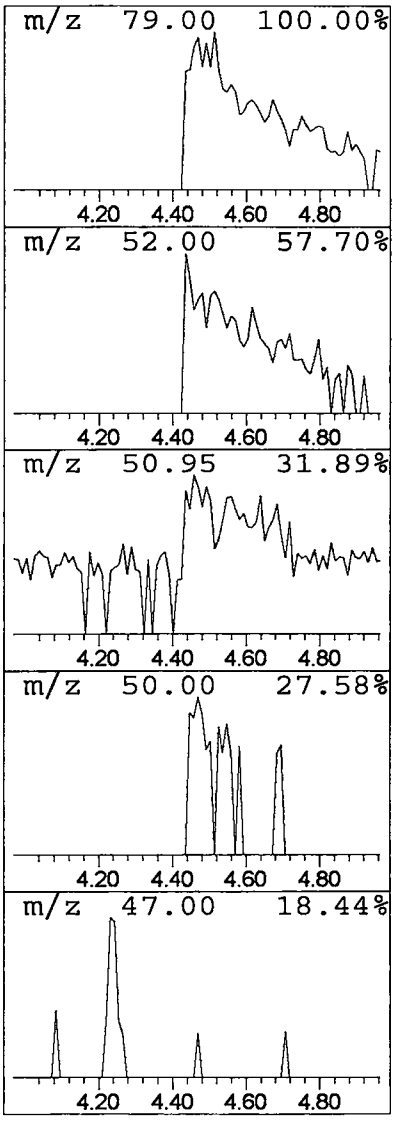
Peak Number 3 Pyridine Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.47	0.12 ug/L	51537	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine	79	C5H5N	000110-86-1	90
2	Pyridine	79	C5H5N	000110-86-1	90
3	Pyridine (CAS) $$ Azine $$ CP 32...	79	C5H5N	000110-86-1	90
4	Pyridine (CAS) $$ Azine $$ CP 32...	79	C5H5N	000110-86-1	83





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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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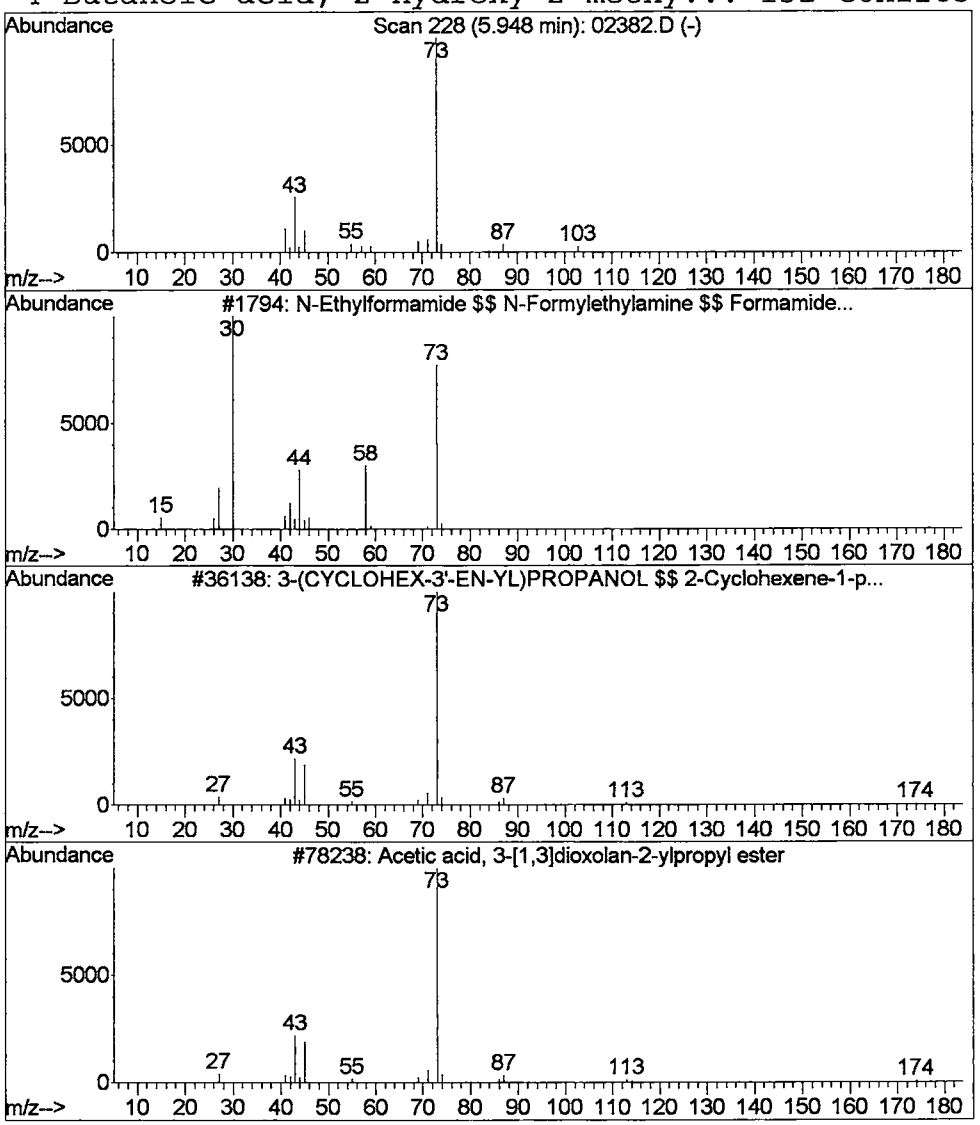
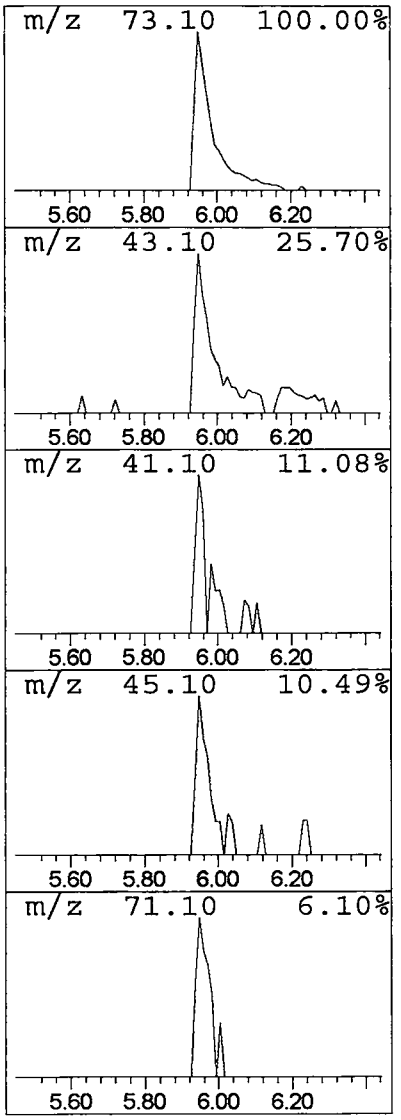
Peak Number 4 N-Ethylformamide $$ N-Formy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	0.39 ug/L	162080	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	9
3	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	9
4	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	9





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Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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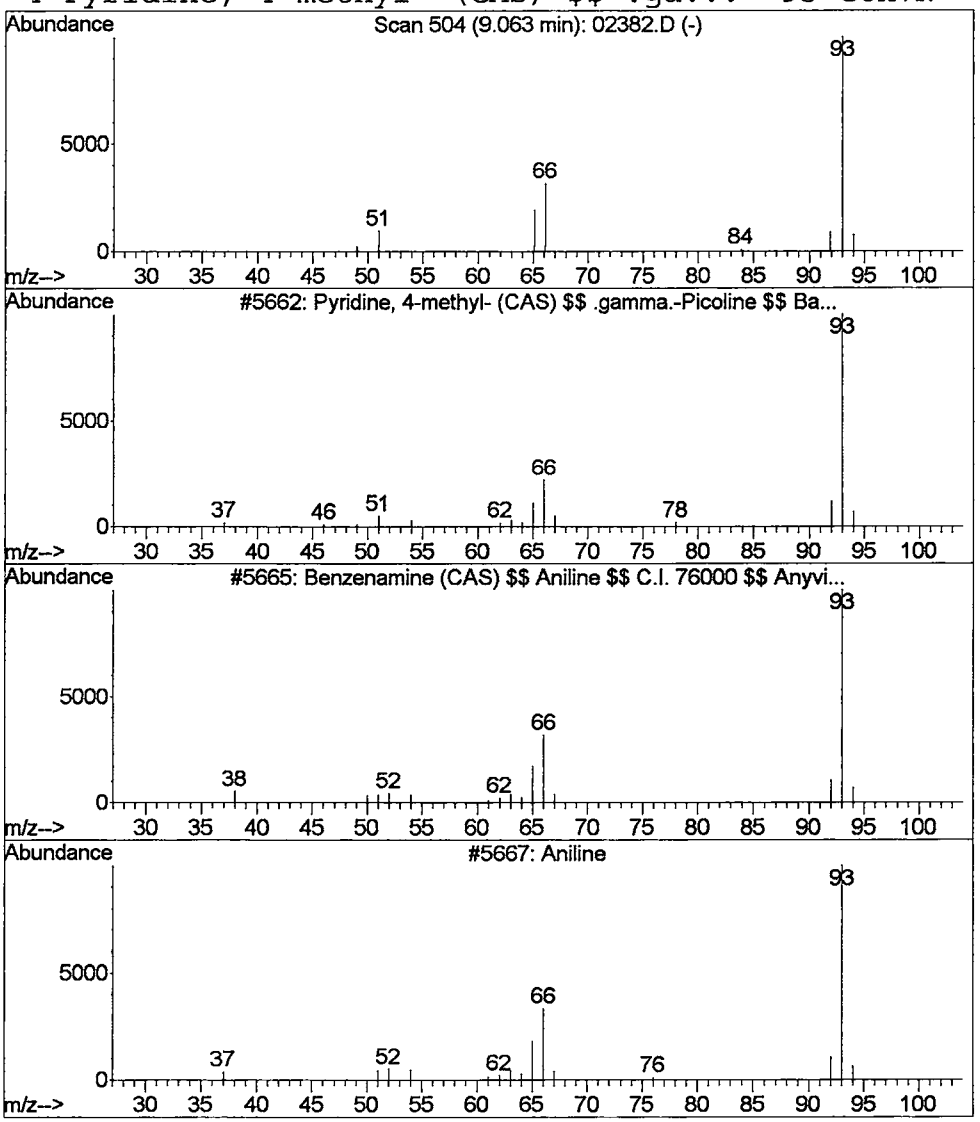
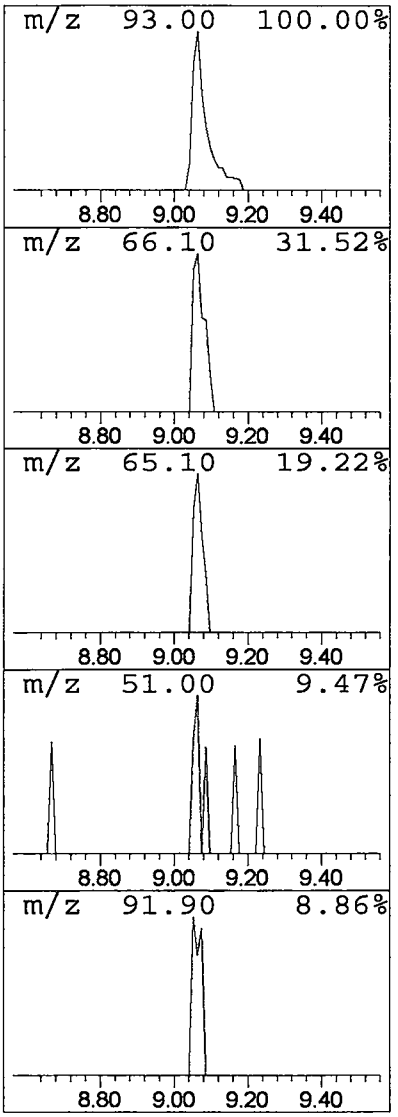
Peak Number 5 Pyridine, 4-methyl- (CAS) $... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	0.07 ug/L	30876	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 4-methyl- (CAS) $$ .ga...	93	C6H7N	000108-89-4	90
2	Benzenamine (CAS) $$ Aniline $$ ...	93	C6H7N	000062-53-3	83
3	Aniline	93	C6H7N	000062-53-3	83
4	Pyridine, 4-methyl- (CAS) $$ .ga...	93	C6H7N	000108-89-4	83





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MS Integration Params: LSCINT.P

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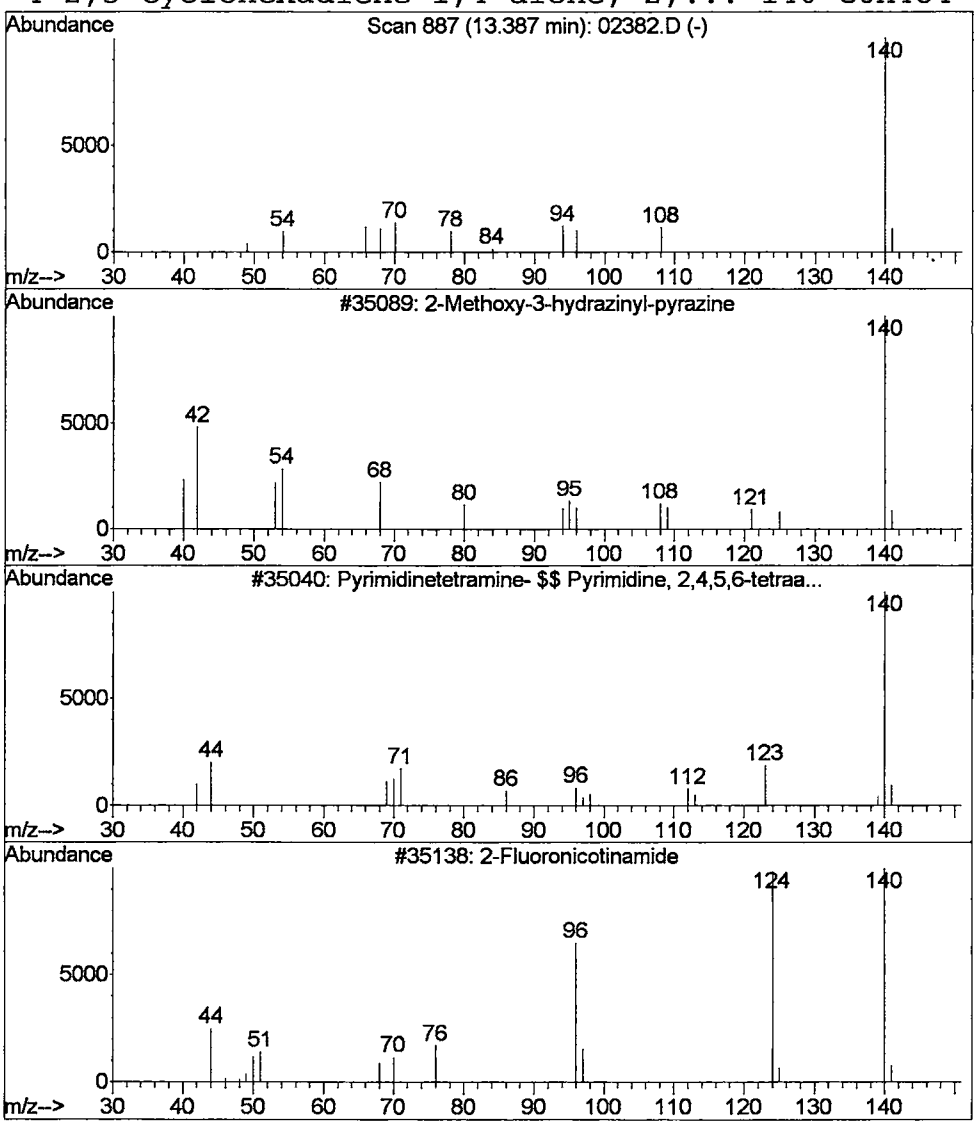
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

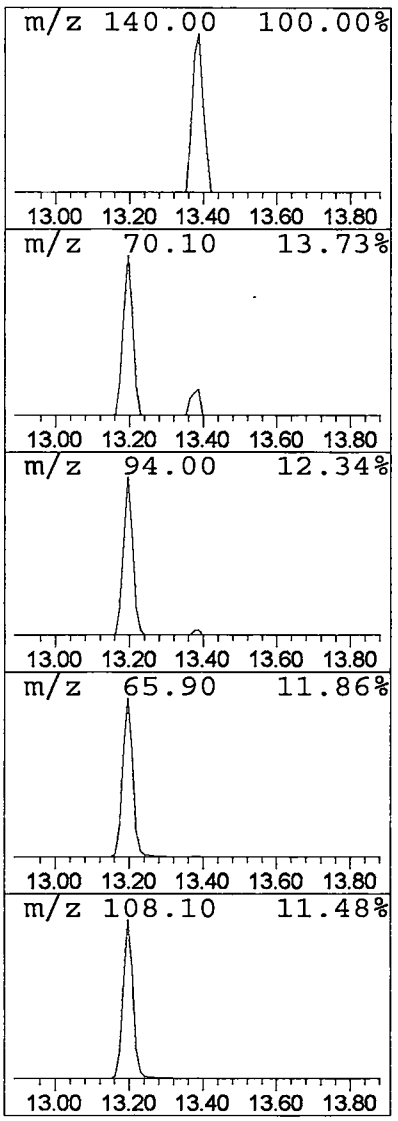
****

Peak Number 6 2-Methoxy-3-hydrazinyl-pyra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	0.06 ug/L	33283	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methoxy-3-hydrazinyl-pyrazine	140	C5H8N4O	000000-00-0	50
2	Pyrimidinetetramine- $$ Pyrimidi...	140	C4H8N6	001004-74-6	40
3	2-Fluoronicotinamide	140	C6H5FN2O	000364-22-7	40
4	2,5-Cyclohexadiene-1,4-dione, 2,...	140	C6H4O4	000615-94-1	38





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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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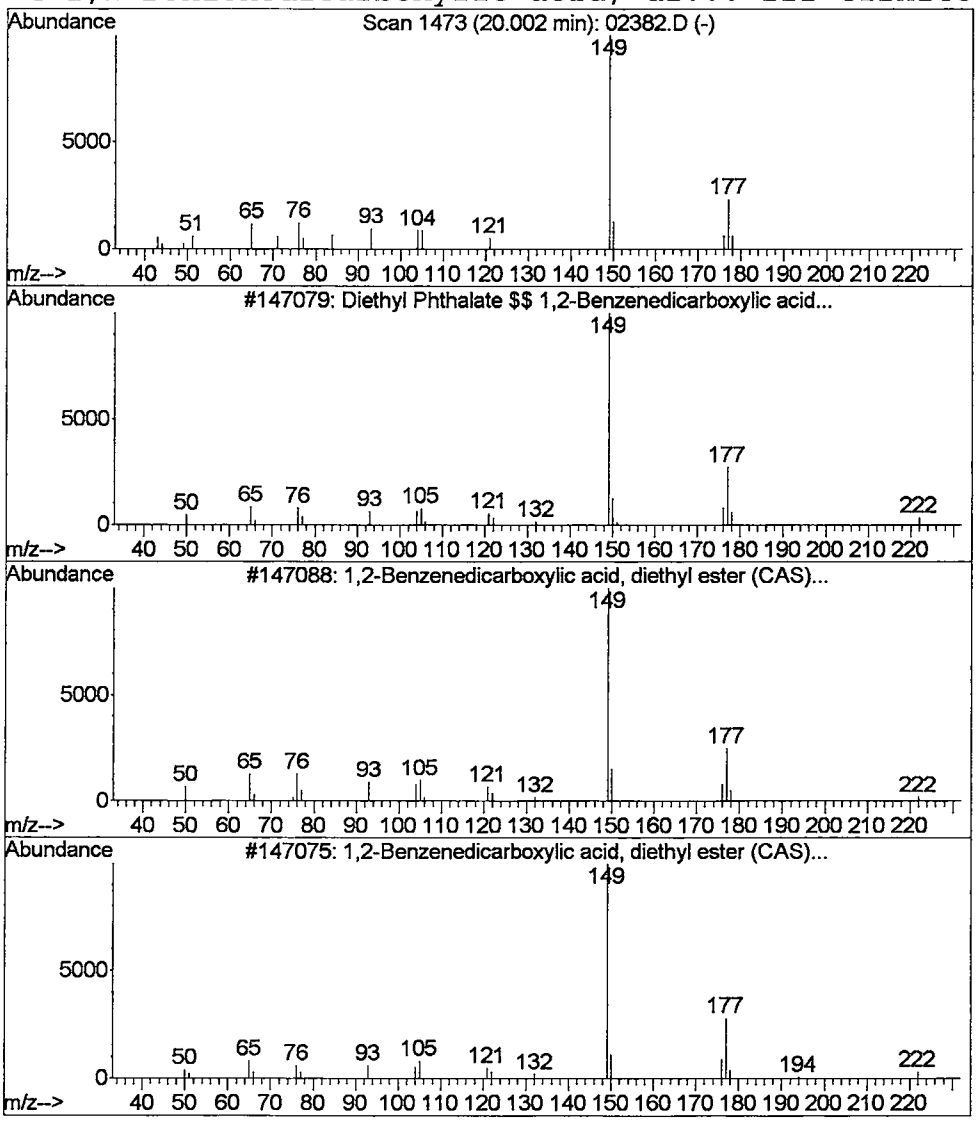
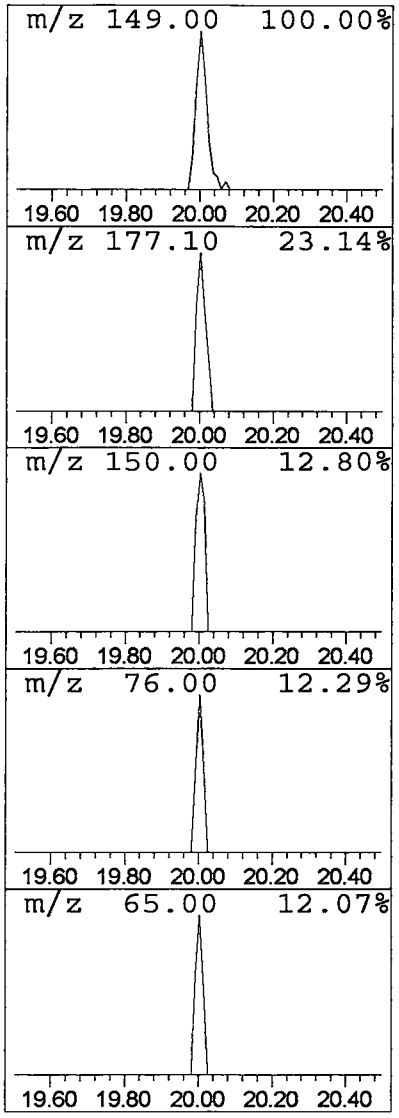
Peak Number 7 Diethyl Phthalate $$ 1,2-Be... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	0.08 ug/L	55439	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl Phthalate $$ 1,2-Benzene...	222	C12H14O4	000084-66-2	90
2	1,2-Benzenedicarboxylic acid, di...	222	C12H14O4	000084-66-2	90
3	1,2-Benzenedicarboxylic acid, di...	222	C12H14O4	000084-66-2	83
4	1,2-Benzenedicarboxylic acid, di...	222	C12H14O4	000084-66-2	83





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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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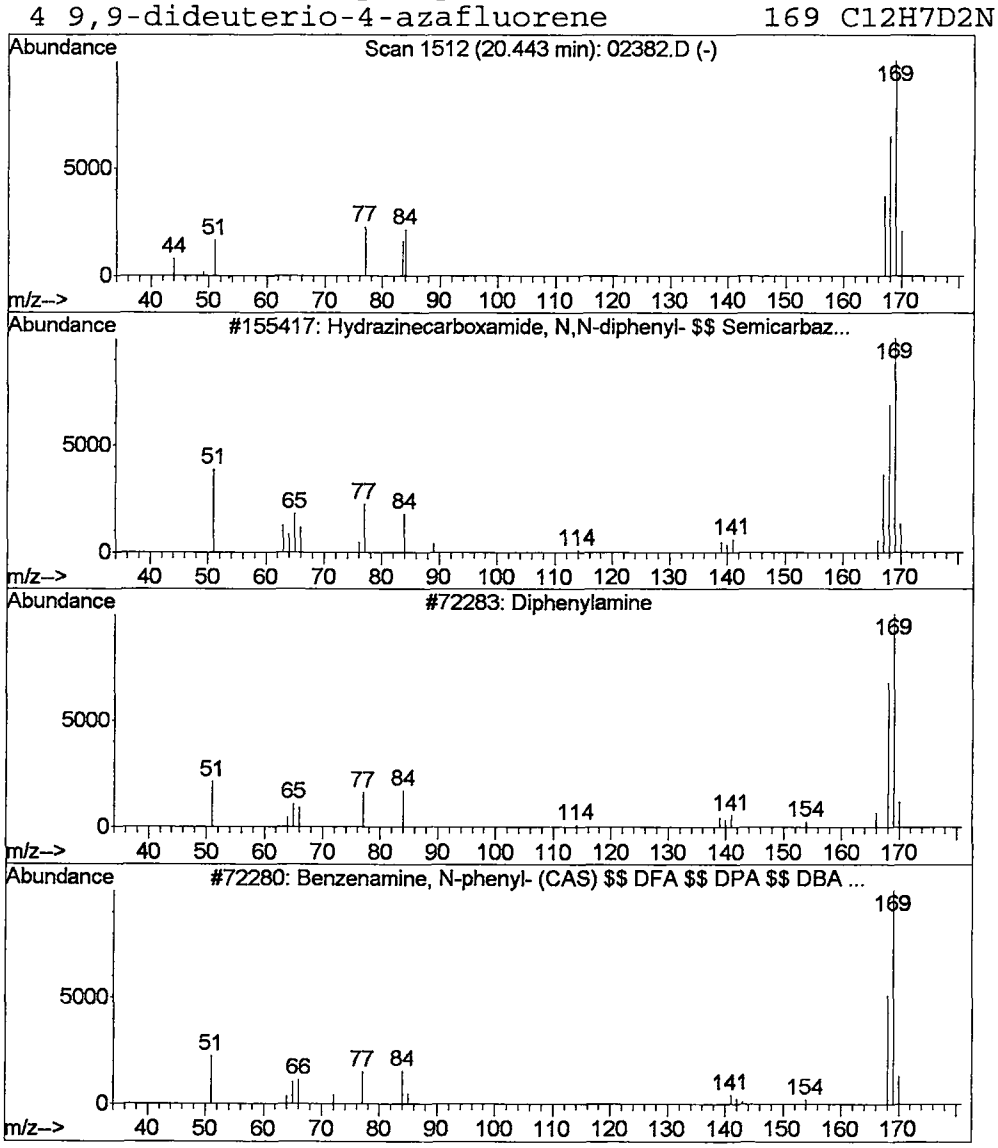
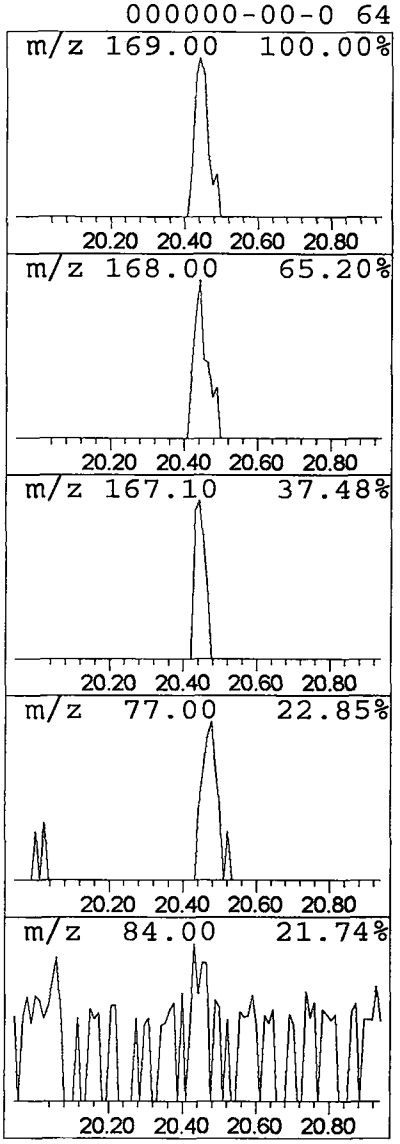
Peak Number 8 Hydrazinecarboxamide, N,N-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	0.05 ug/L	35172	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazinecarboxamide, N,N-diphen...	227	C13H13N3O	000603-51-0	74
2	Diphenylamine	169	C12H11N	000122-39-4	72
3	Benzenamine, N-phenyl- (CAS) $$ ...	169	C12H11N	000122-39-4	72
4	9,9-dideuterio-4-azafluorene	169	C12H7D2N	000000-00-0	64





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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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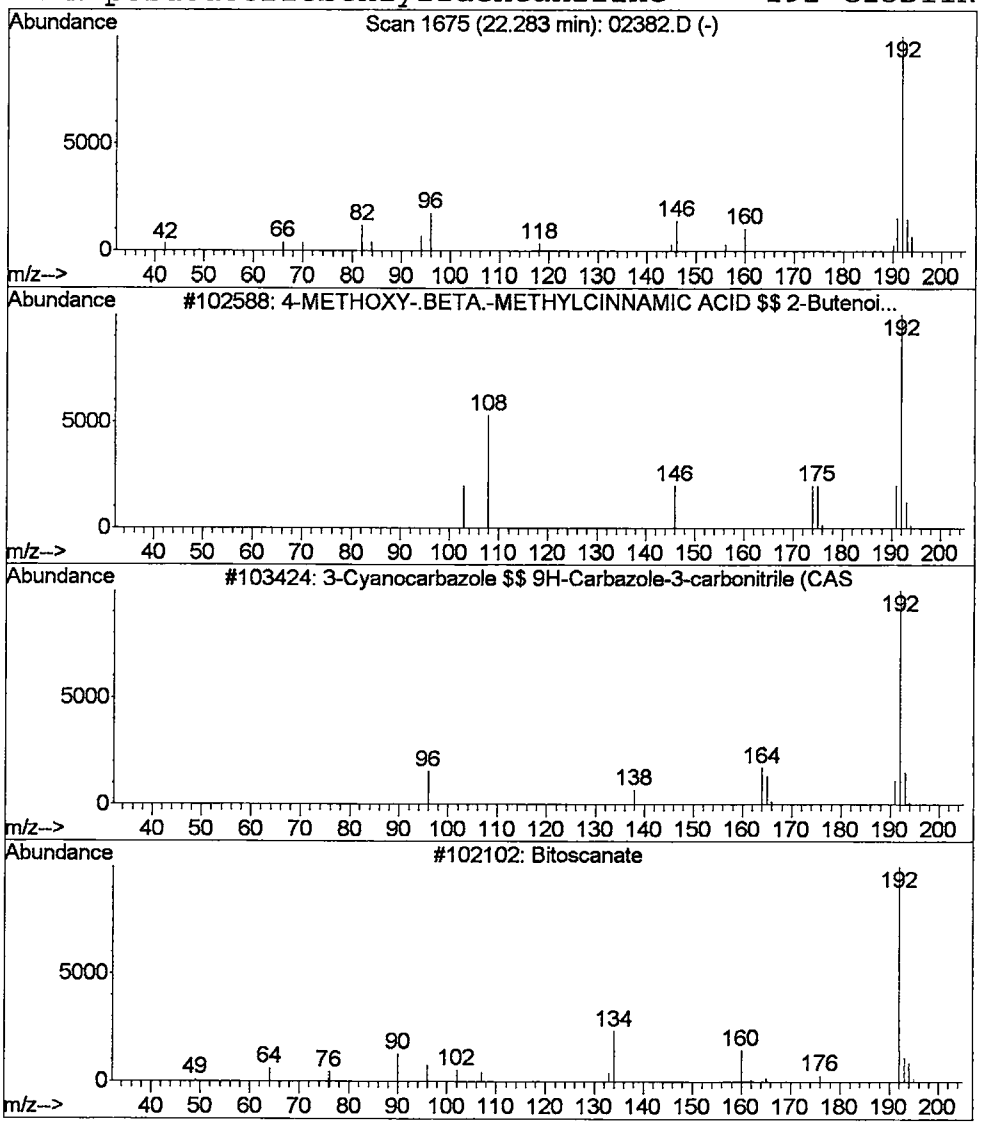
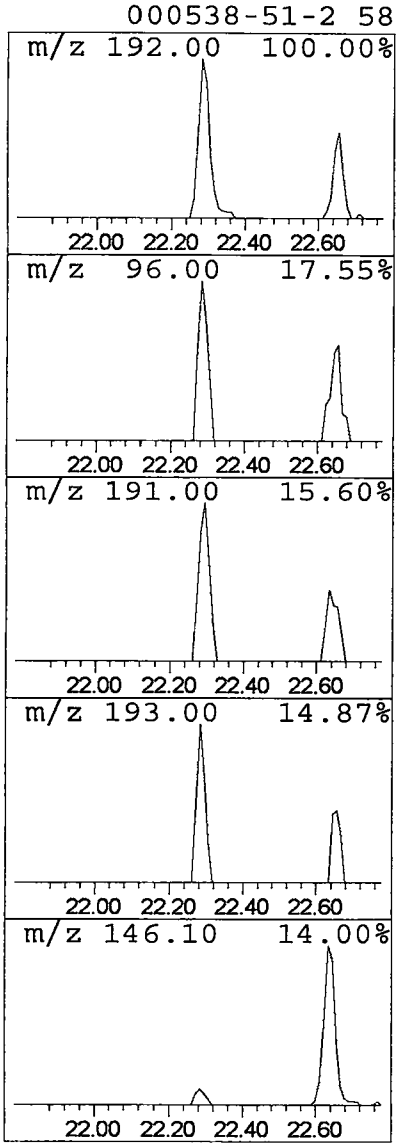
Peak Number 9 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.12 ug/L	81815	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
3	Bitoscanate	192	C8H4N2S2	004044-65-9	59
4	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58





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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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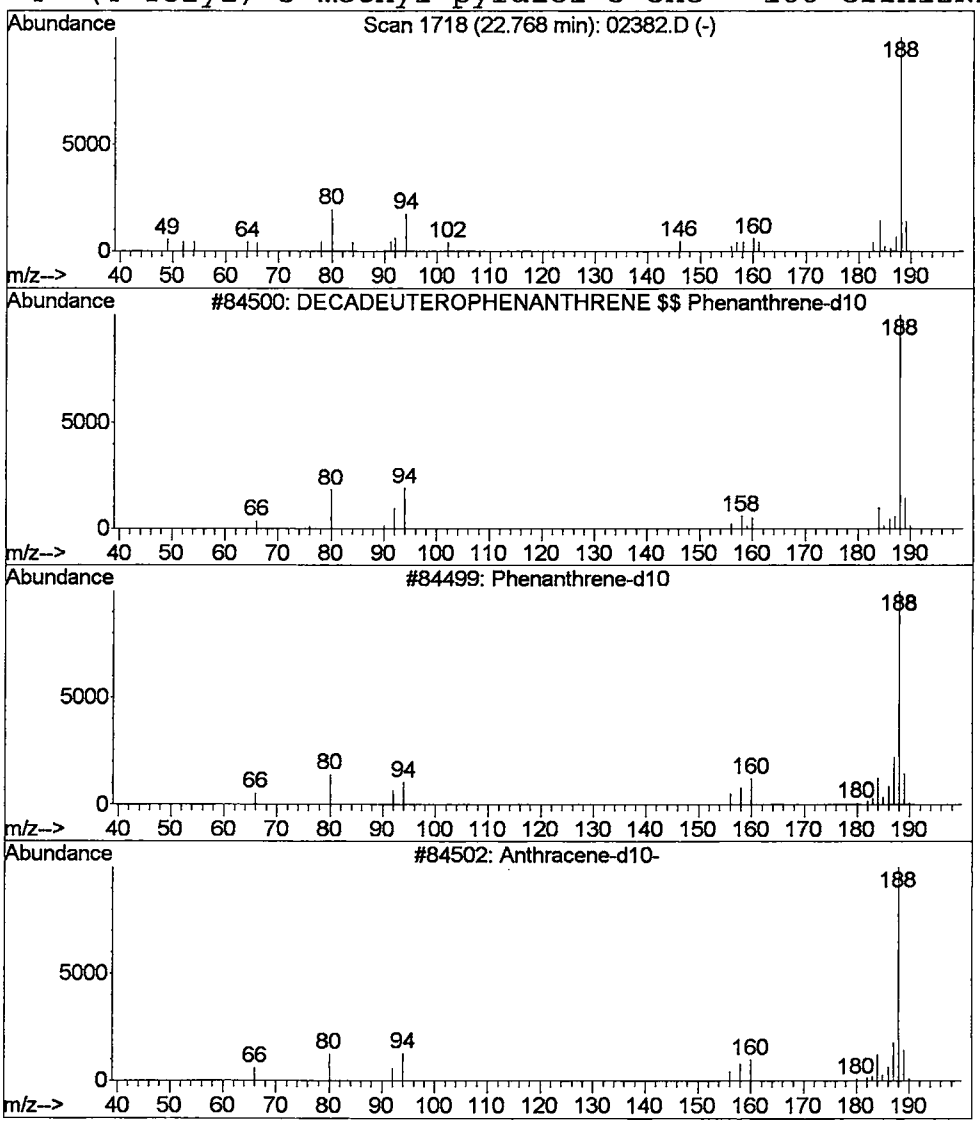
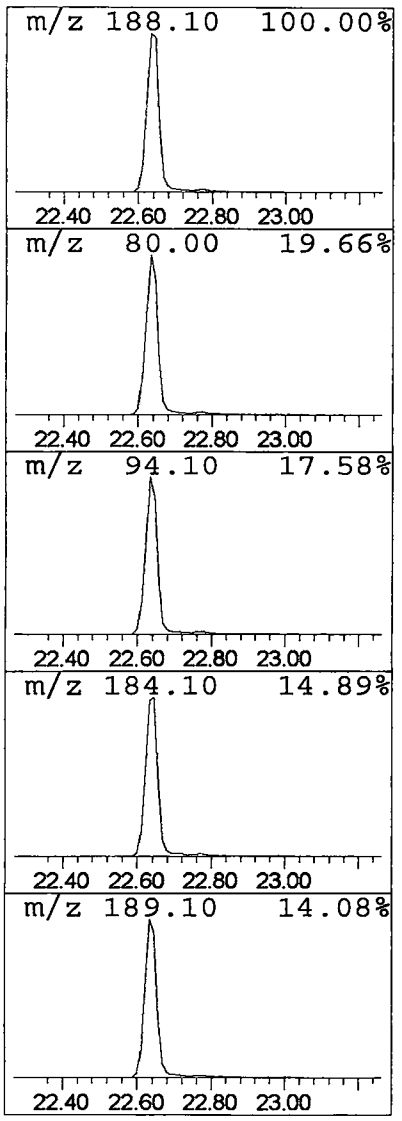
Peak Number 10 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.53 ug/L	365436	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	87
2	Phenanthrene-d10	188	C14D10	001517-22-2	80
3	Anthracene-d10-	188	C14D10	001719-06-8	50
4	-(4-Tolyl)-3-methyl-pyrazol-5-one	188	C11H12N2O	035496-19-6	47





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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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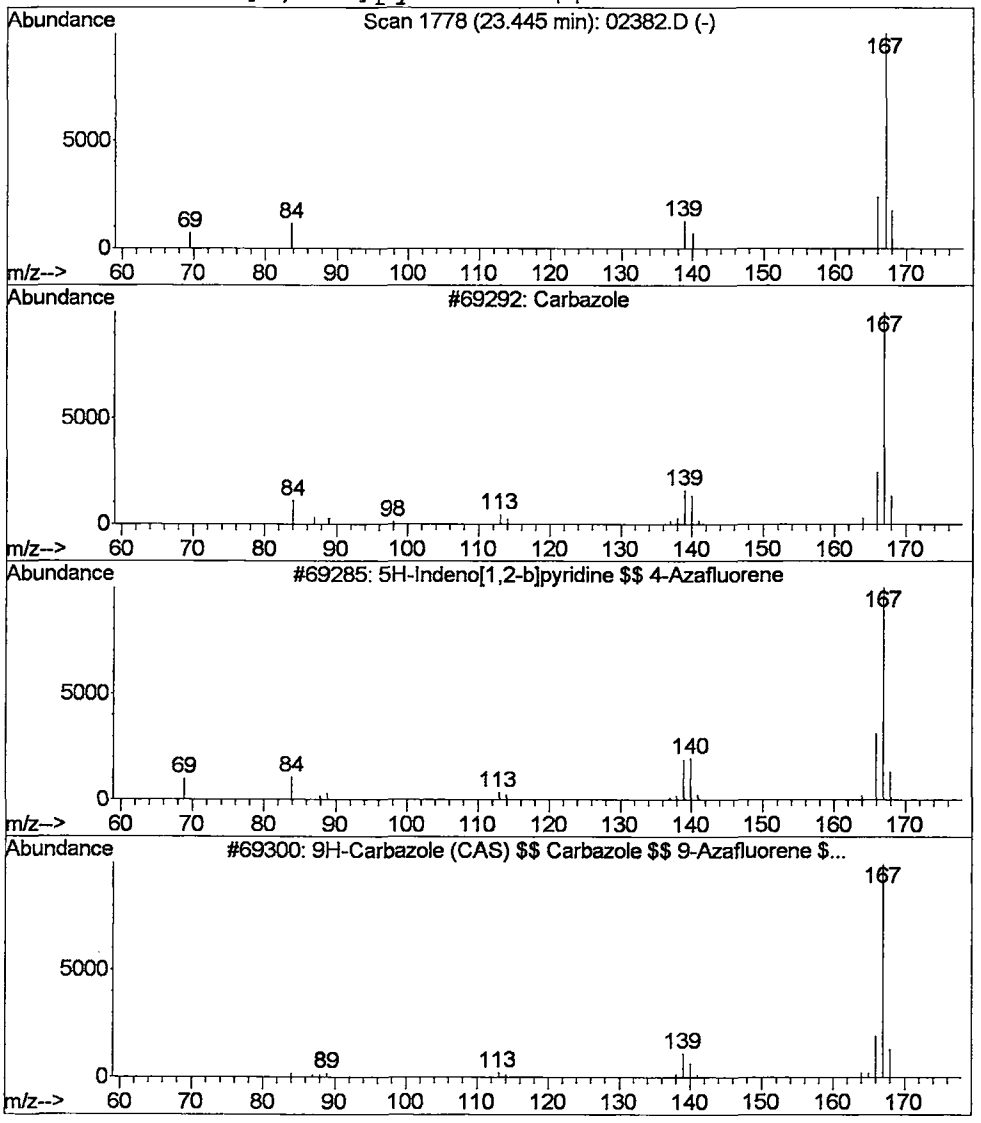
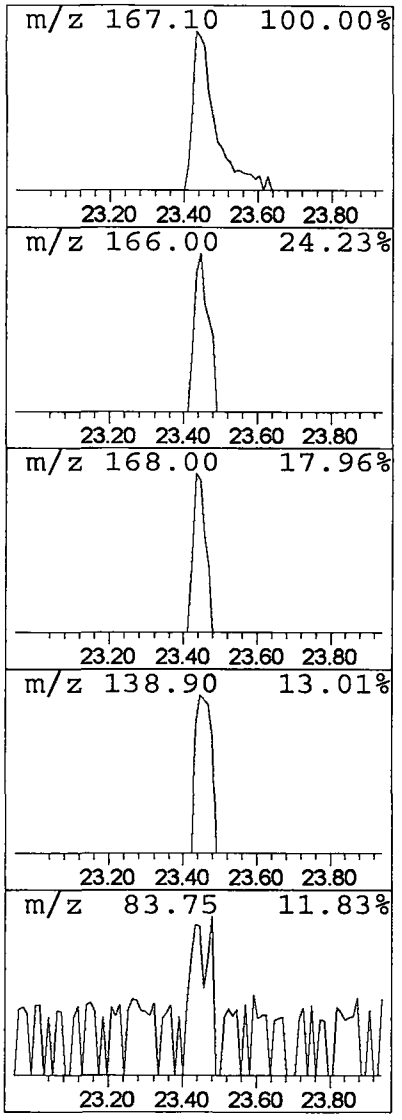
Peak Number 11 Carbazole Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.45	0.06 ug/L	38693	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole	167	C12H9N	000086-74-8	90
2	5H-Indeno[1,2-b]pyridine $$ 4-Az...	167	C12H9N	000244-99-5	90
3	9H-Carbazole (CAS) $$ Carbazole ...	167	C12H9N	000086-74-8	83
4	5H-Indeno[1,2-b]pyridine $$ 4-Az...	167	C12H9N	000244-99-5	83





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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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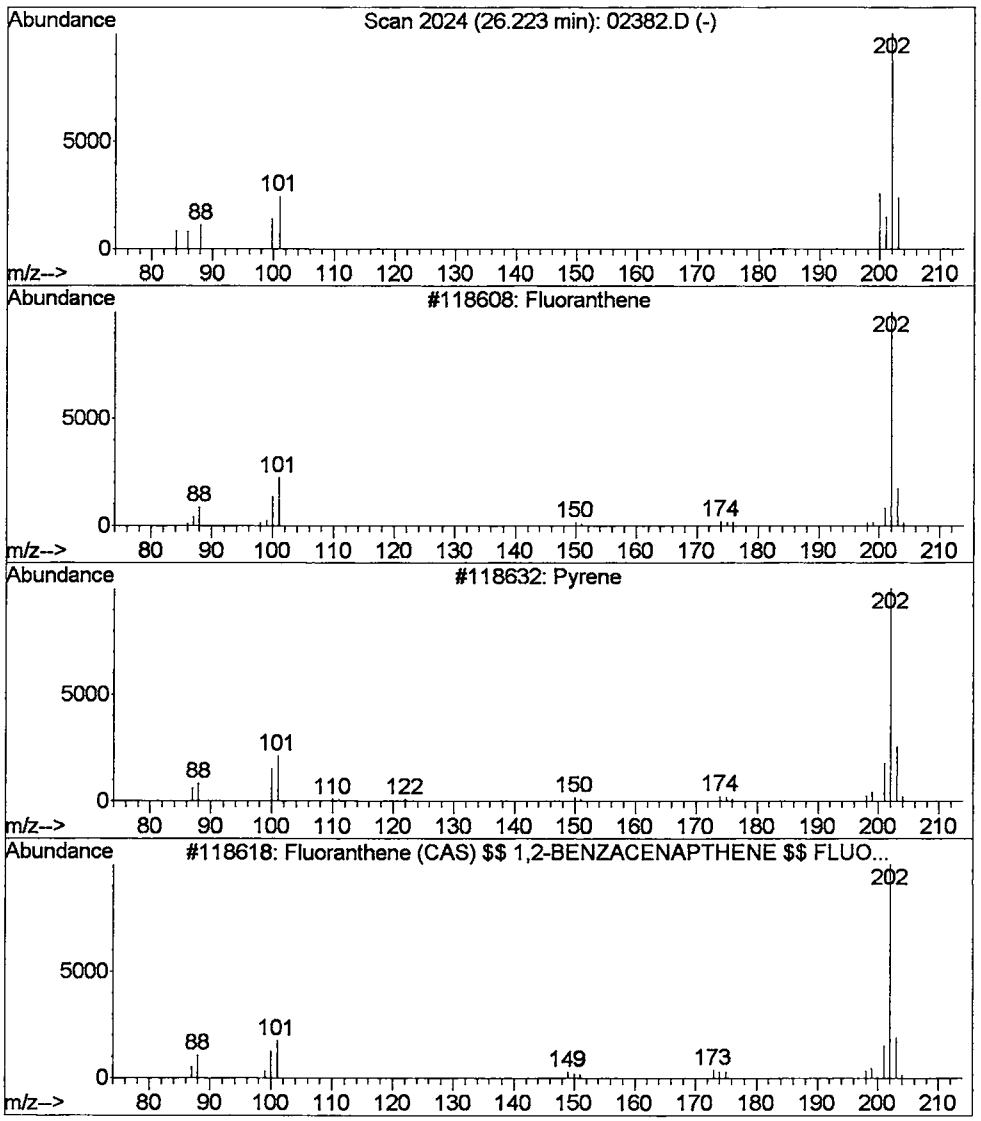
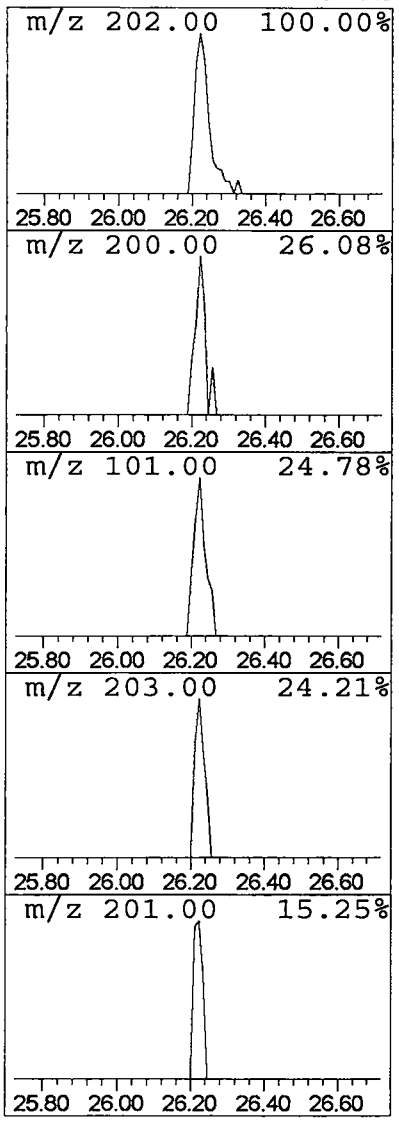
Peak Number 12 Fluoranthene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.22	0.06 ug/L	39633	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	80
2	Pyrene	202	C16H10	000129-00-0	80
3	Fluoranthene (CAS) $$ 1,2-BENZAC...	202	C16H10	000206-44-0	80
4	Fluoranthene	202	C16H10	000206-44-0	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02382.D Vial: 3
Acq On : 27 Feb 2002 12:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

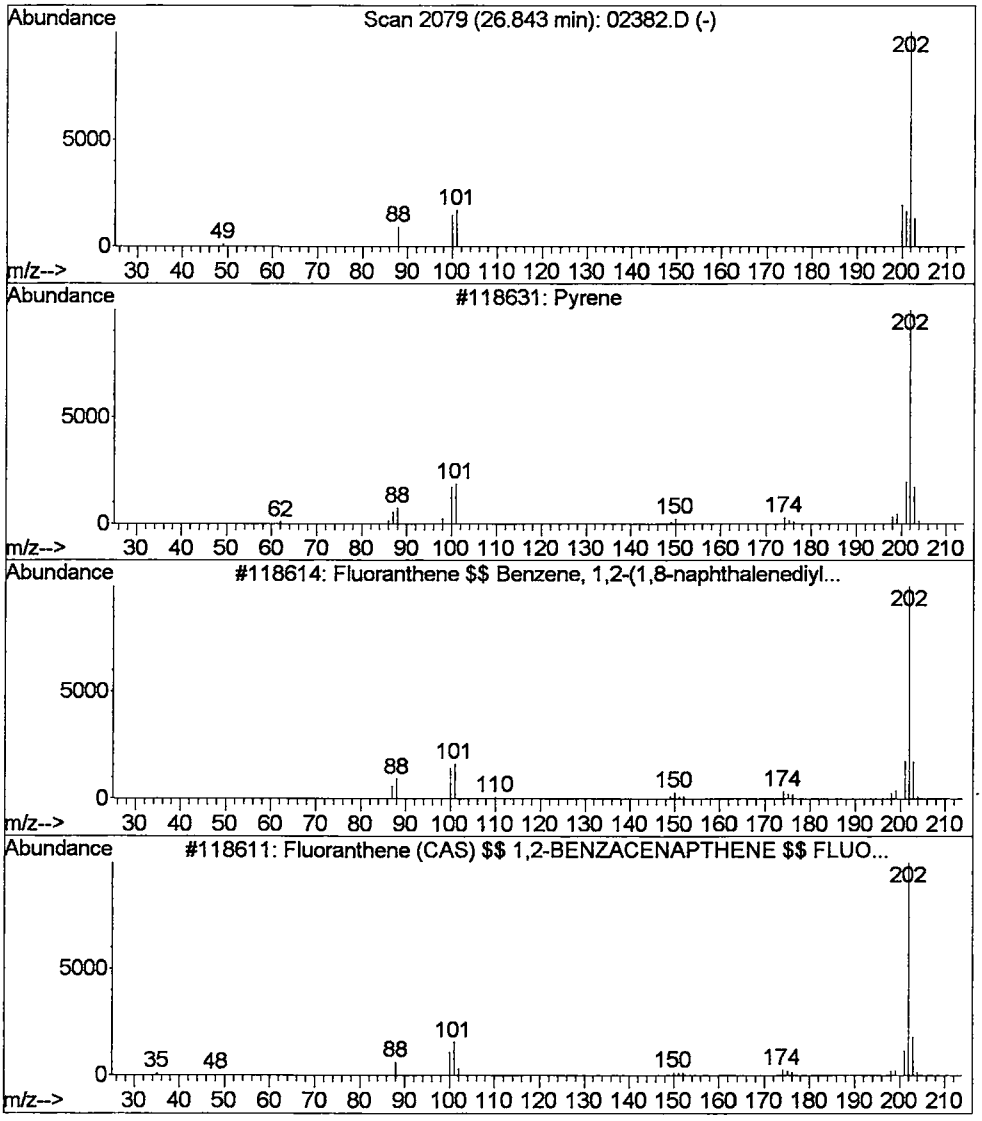
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

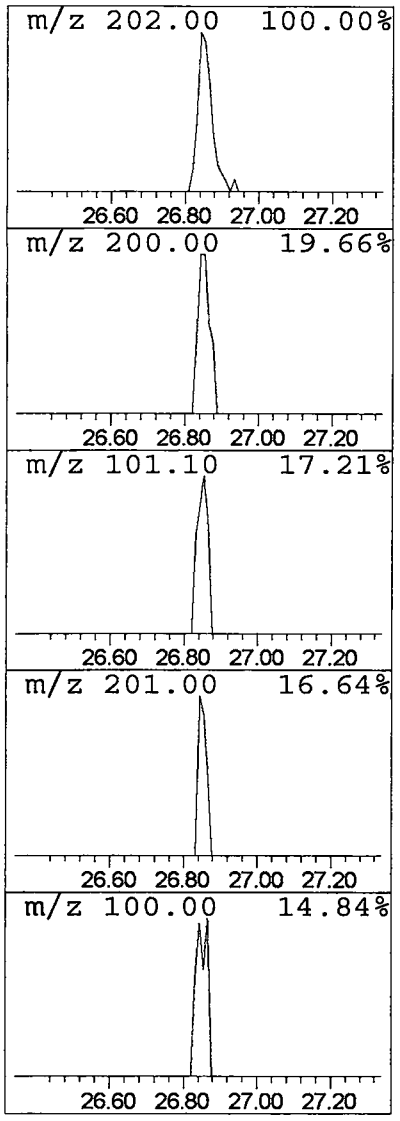
****

Peak Number 13 Pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.84	0.07 ug/L	40353	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	80
2	Fluoranthene $$ Benzene, 1,2-(1,...	202	C16H10	000206-44-0	80
3	Fluoranthene (CAS) $$ 1,2-BENZAC...	202	C16H10	000206-44-0	80
4	Fluoranthene	202	C16H10	000206-44-0	72





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Feb 2002 12:13 pm
Data File: C:\MSDCHEM\1\5973N\02FEB27\02382.D
Name: 508 scan
Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Butanoic acid, me...	3.62	0.1	ug/L	49879	1	9.72	8370190	20.0
2,2-dimethoxybutane	4.24	0.5	ug/L	209153	1	9.72	8370190	20.0
Pyridine	4.47	0.1	ug/L	51537	1	9.72	8370190	20.0
N-Ethylformamide-...	5.95	0.4	ug/L	162080	1	9.72	8370190	20.0
Pyridine, 4-methy...	9.06	0.1	ug/L	30876	1	9.72	8370190	20.0
2-Methoxy-3-hydra...	13.39	0.1	ug/L	33283	2	13.20	12023900	20.0
Diethyl Phthalate...	20.00	0.1	ug/L	55439	3	18.34	13176100	20.0
Hydrazinecarboxam...	20.44	0.1	ug/L	35172	3	18.34	13176100	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	81815	4	22.63	13798600	20.0
DECADEUTEROPHENAN...	22.77	0.5	ug/L	365436	4	22.63	13798600	20.0
Carbazole	23.45	0.1	ug/L	38693	4	22.63	13798600	20.0
Fluoranthene	26.22	0.1	ug/L	39633	4	22.63	13798600	20.0
Pyrene	26.84	0.1	ug/L	40353	5	30.49	11668800	20.0

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 12:07:04

Sample: AE02383
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 12:06 Ended: 3/7/02 12:06 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		97		5.0

Comments for Sample AE02383 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 12:07:13

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoverie for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 2 were below.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:45 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

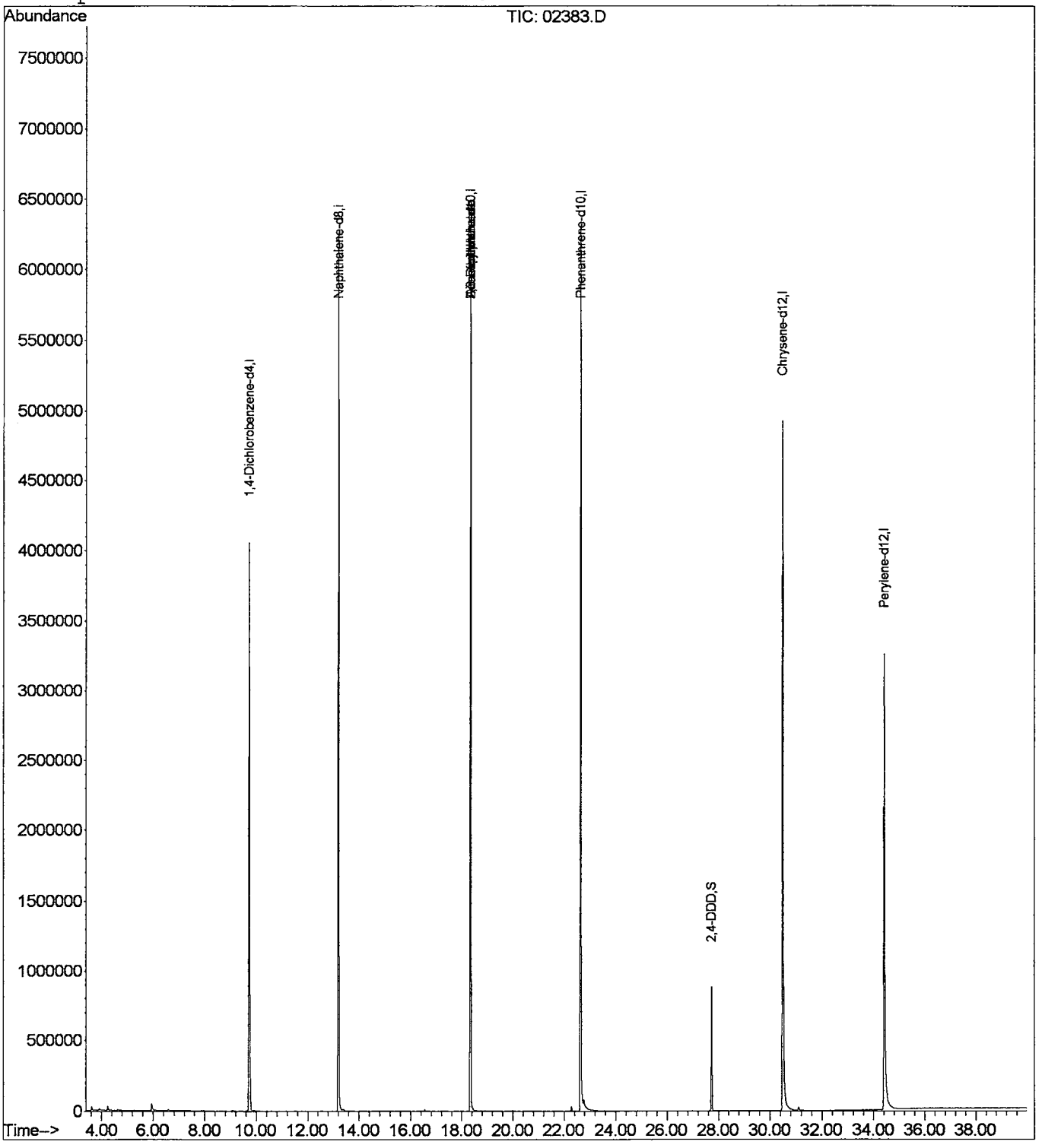
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1495413	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	6383719	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3232363	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	5573250	20.00	ug/L	0.00
38) Chrysene-d12	30.49	240	4146446	20.00	ug/L	-0.03
44) Perylene-d12	34.42	264	2623127	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.74	235	361166	4.86	ug/L	0.01
Spiked Amount 5.000			Recovery = 97.20%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	519956	2.65	ug/L #	58
21) 2,6-Dinitrotoluene	18.34	165	404829	8.94	ug/L #	27

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

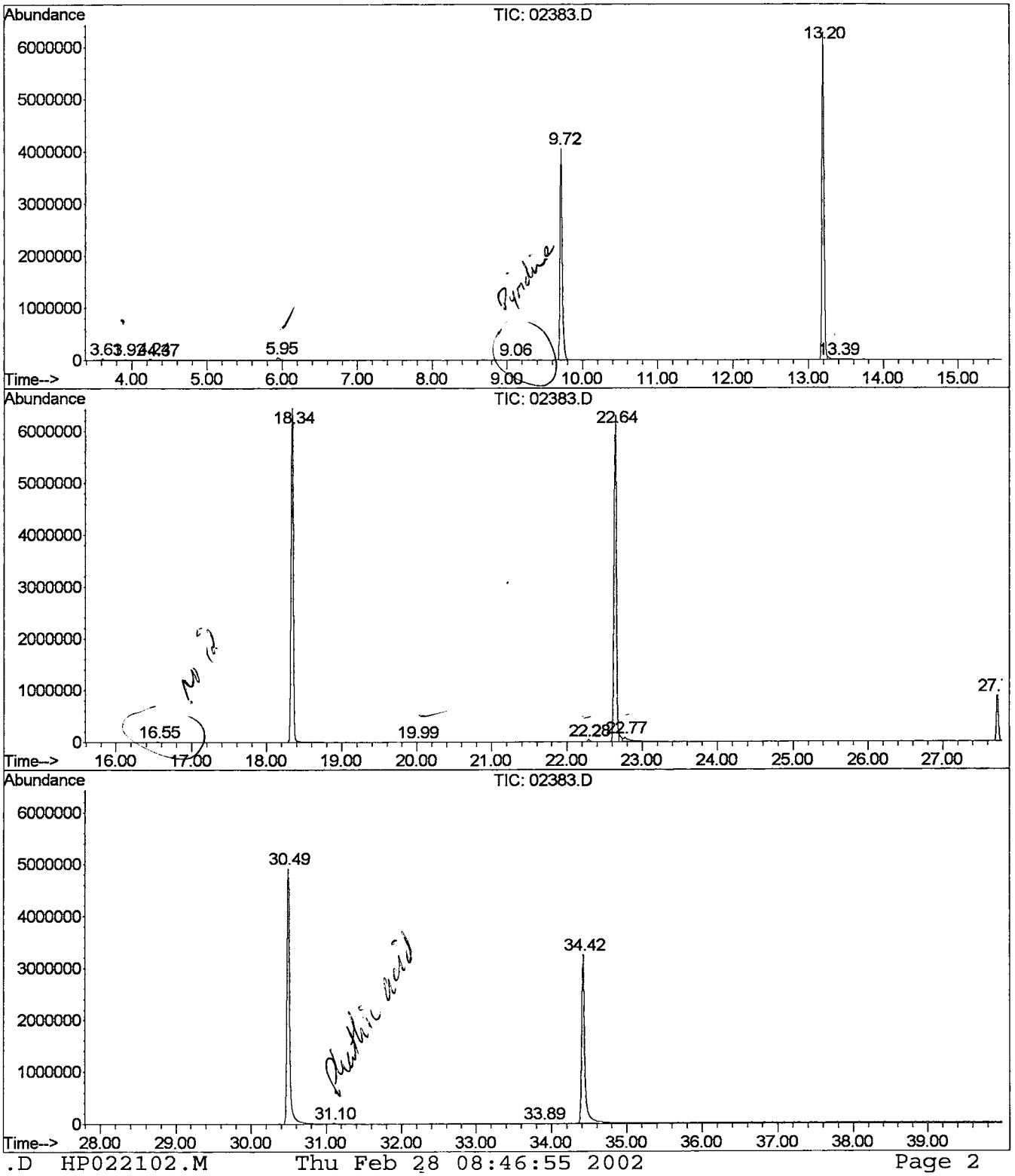
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.611	17	21	25	rBV2	28504	50162	0.36%	0.070%
2	3.916	43	48	53	rBV	14958	27657	0.20%	0.039%
3	4.243	73	77	85	rBV2	29928	62238	0.45%	0.087%
4	4.367	85	88	95	rVB4	9267	19580	0.14%	0.027%
5	5.948	225	228	249	rBV	49355	177436	1.28%	0.249%
6	9.063	499	504	509	rVV3	7444	18011	0.13%	0.025%
7	9.718	557	562	575	rVV	4054881	8312684	60.04%	11.656%
8	13.195	865	870	875	rBV	6275259	11935466	86.20%	16.736%
9	13.387	885	887	899	rVB2	12955	30979	0.22%	0.043%
10	16.548	1163	1167	1171	rBV	12785	21089	0.15%	0.030%
11	18.343	1321	1326	1331	rBV	6433847	13001509	93.90%	18.231%
12	19.991	1469	1472	1479	rVV4	6941	25089	0.18%	0.035%
13	22.283	1671	1675	1681	rVB	32582	69506	0.50%	0.097%
14	22.644	1701	1707	1711	rBV	6295653	13846119	100.00%	19.415%
15	22.768	1715	1718	1745	rVB	78245	442137	3.19%	0.620%
16	27.724	2153	2157	2163	rBV	883473	1743976	12.60%	2.445%
17	30.490	2397	2402	2429	rBV	4920633	12290369	88.76%	17.234%
18	31.099	2451	2456	2475	rVB2	23620	77979	0.56%	0.109%
19	33.888	2693	2703	2705	rBV3	3860	20816	0.15%	0.029%
20	34.418	2743	2750	2795	rVV	3253437	9143096	66.03%	12.821%

Sum of corrected areas: 71315898

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB27\02383.D
Operator :
Acquired : 27 Feb 2002 1:13 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 27, 2002
Vial Number: 4
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

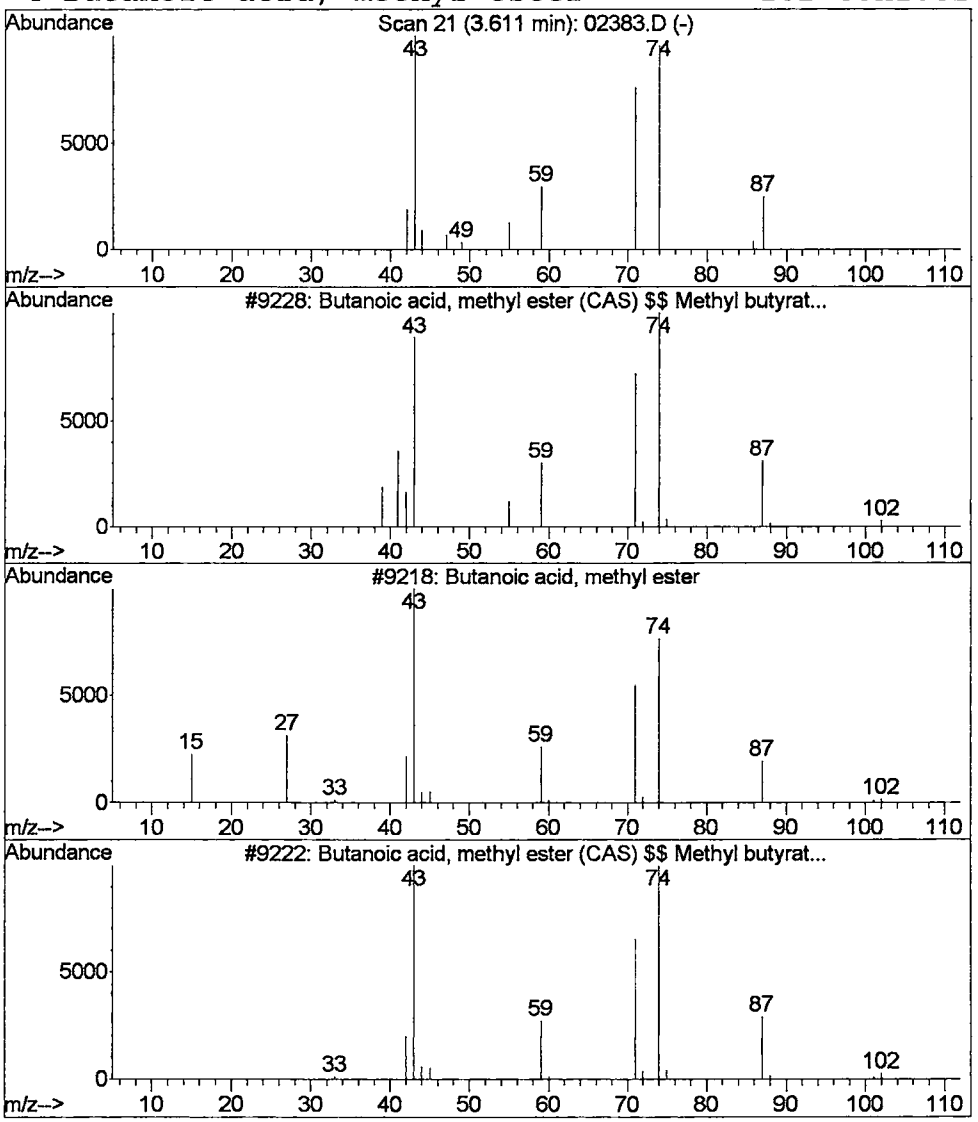
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

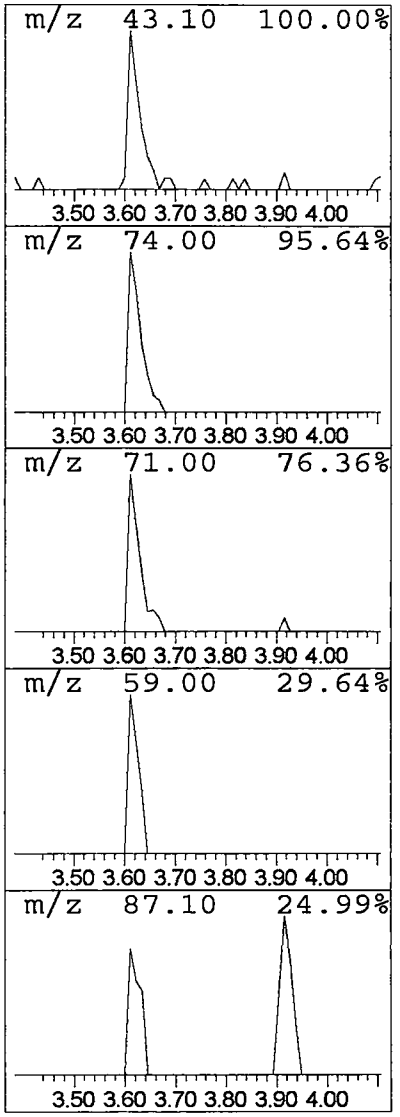
****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	0.12 ug/L	50162	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78
2	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	78
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	78





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

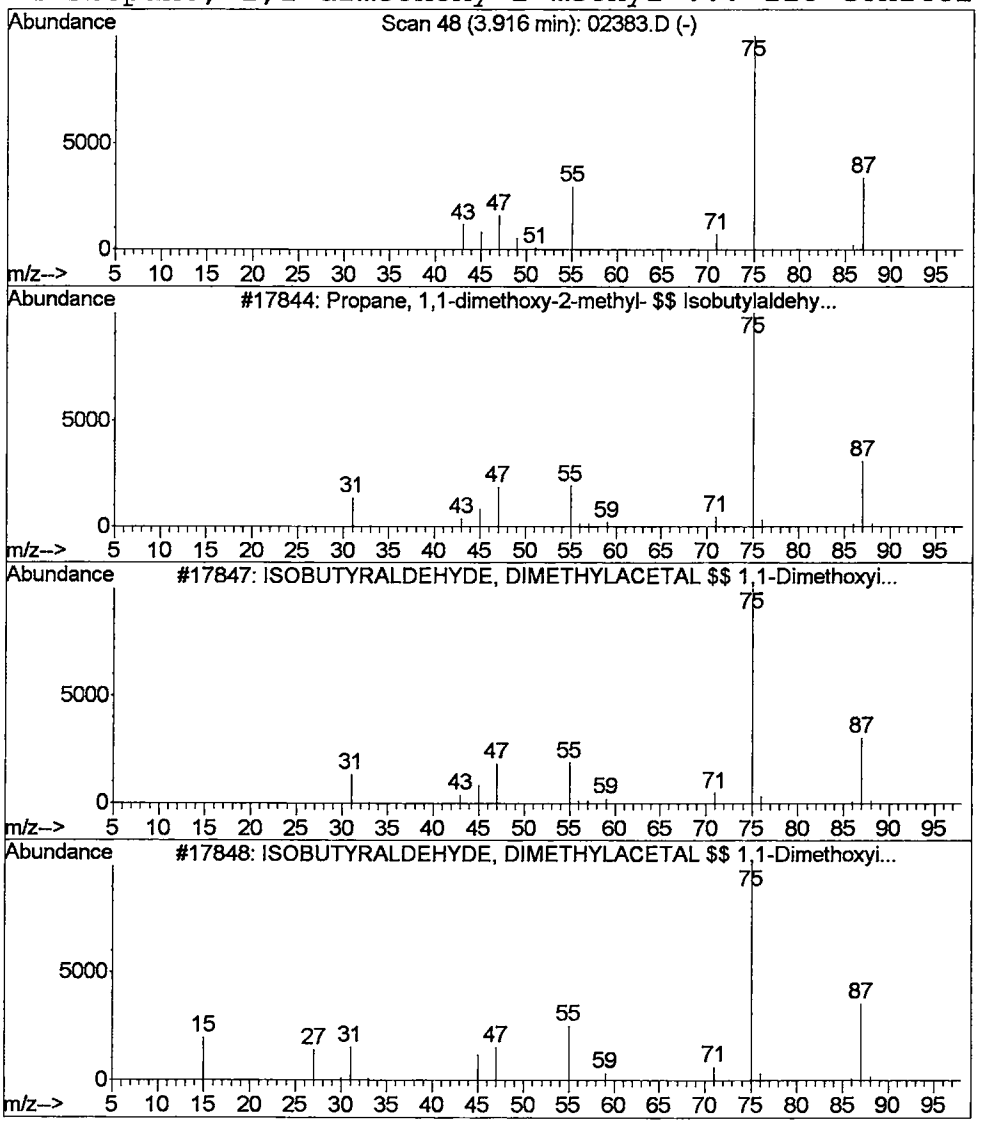
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

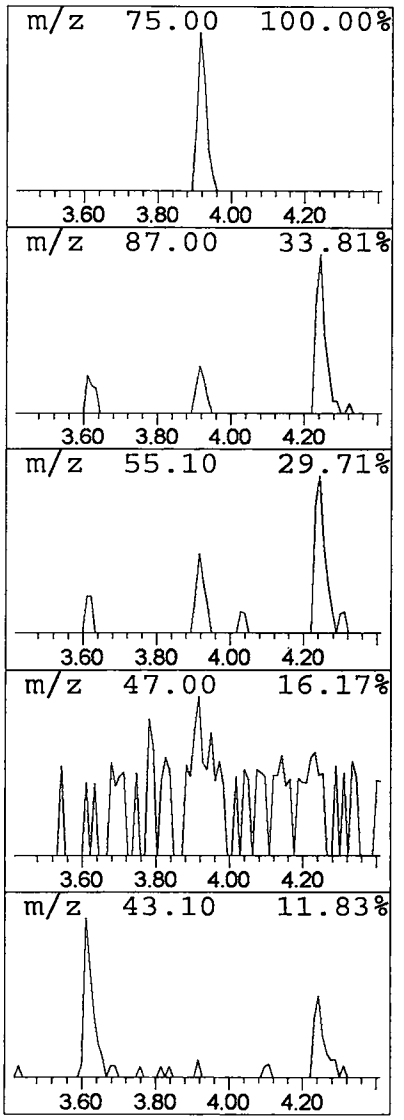
****

Peak Number 2 Propane, 1,1-dimethoxy-2-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	0.07 ug/L	27657	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	74
2	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	74
3	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	64
4	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

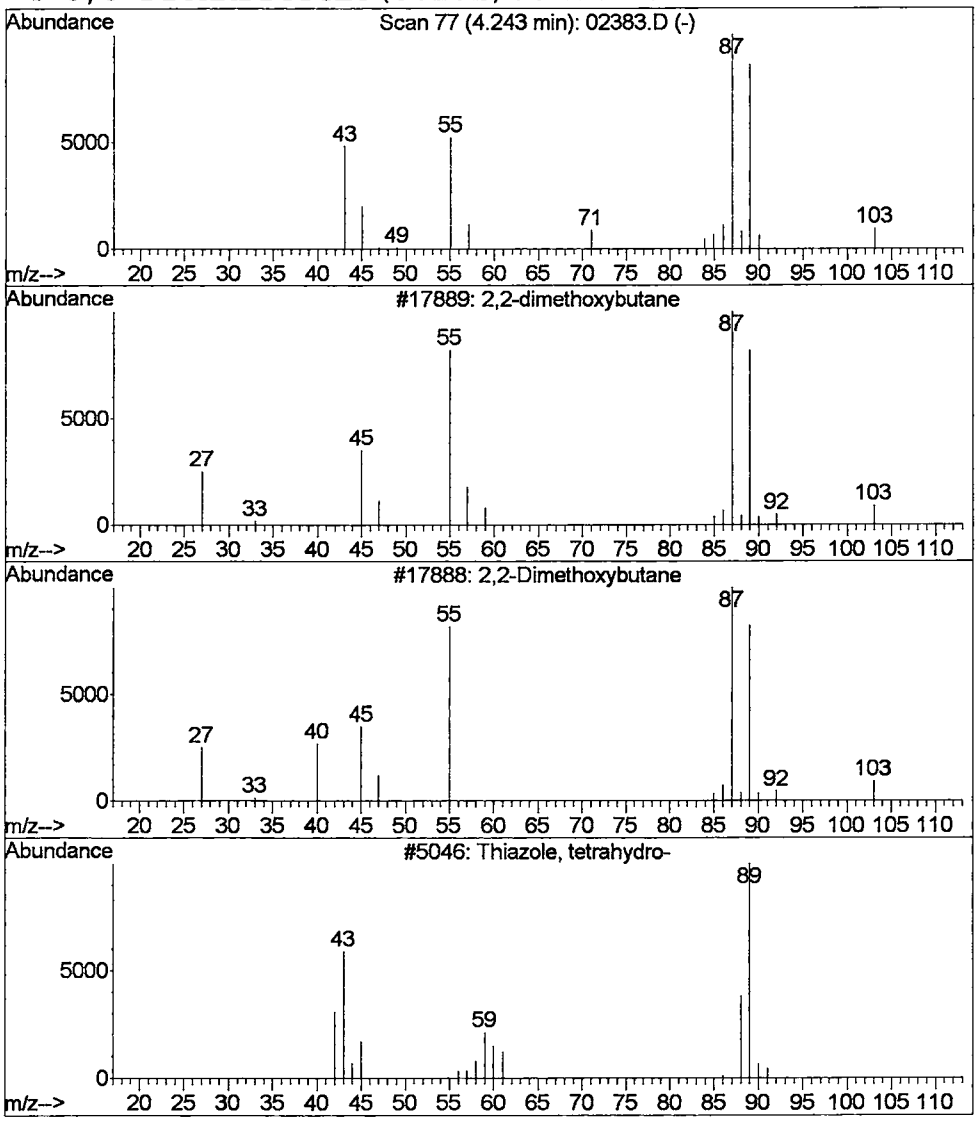
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

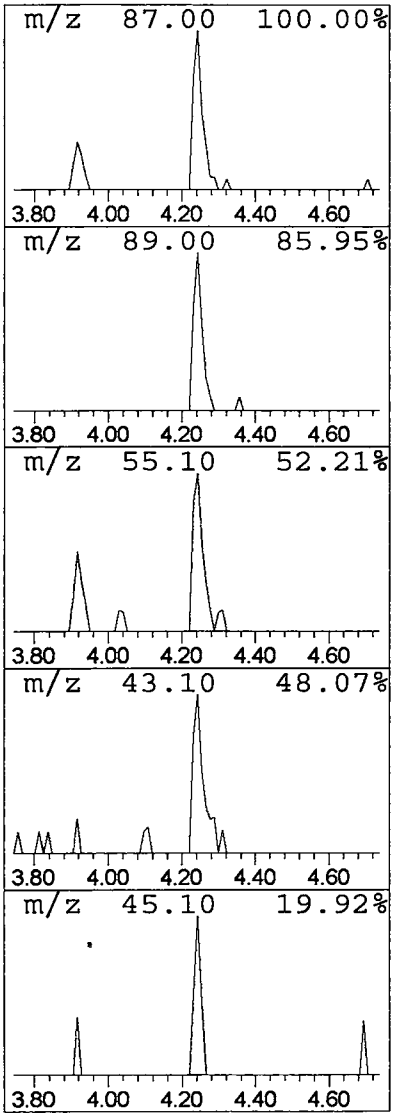
****

Peak Number 3 2,2-dimethoxybutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.15 ug/L	62238	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	83
2	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	74
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	36
4	6,8-DIOXABICYCLO(3.2.1)OCTAN-2.B...	132	C6H8D2O3	000000-00-0	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

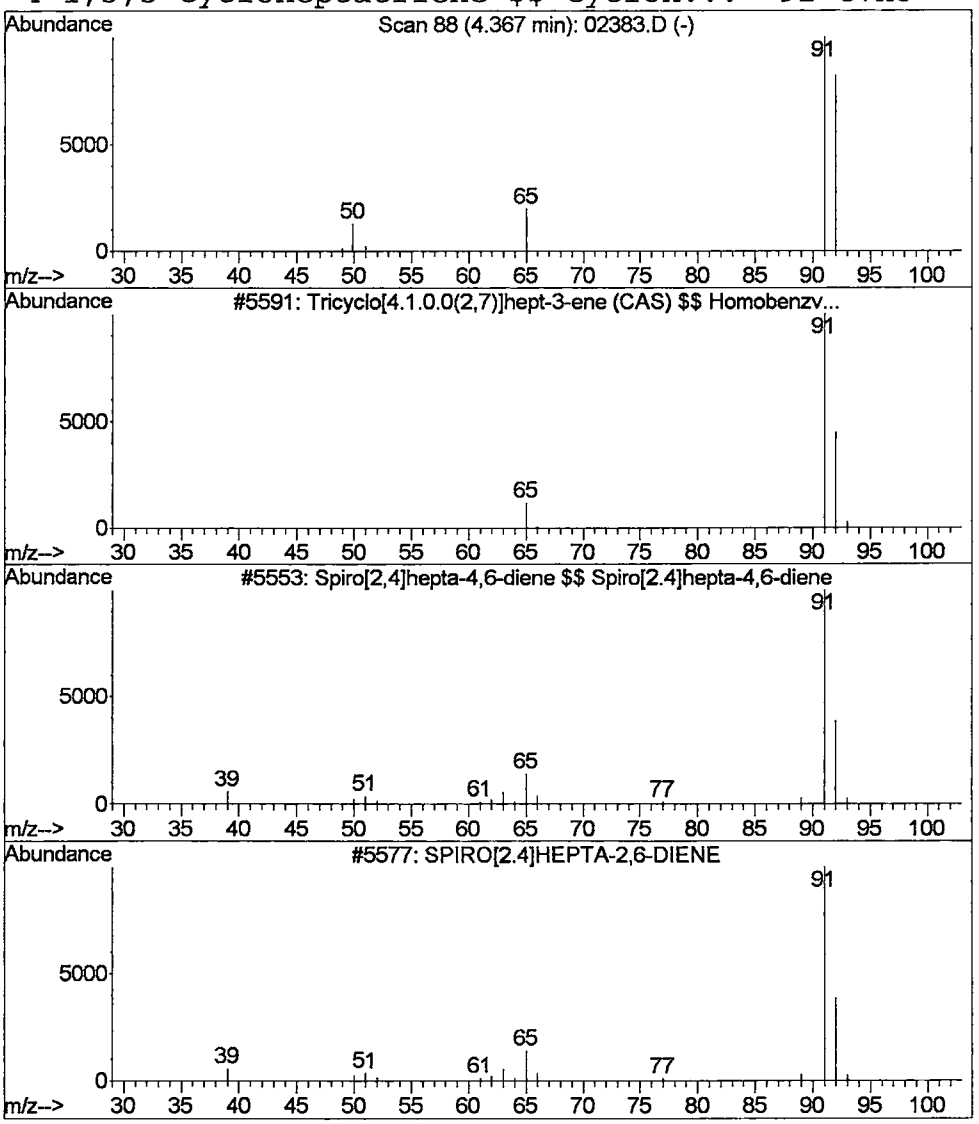
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

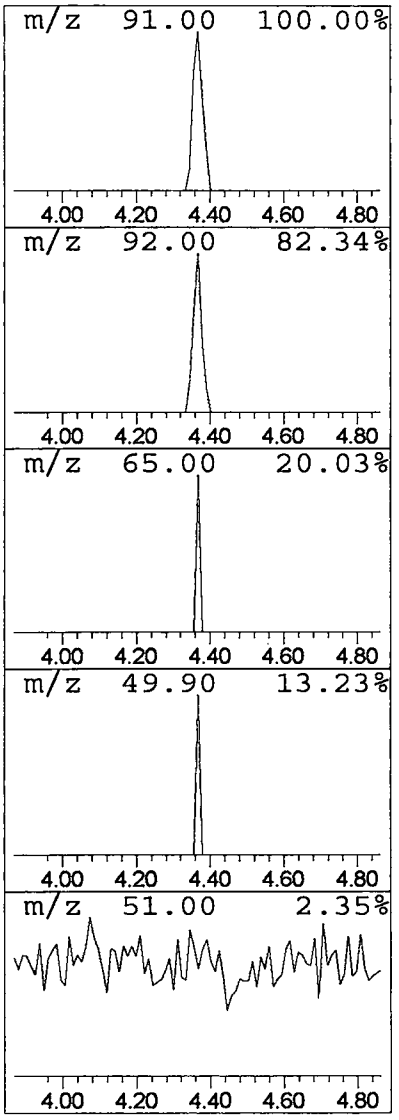
****

Peak Number 4 Tricyclo[4.1.0.0(2,7)]hept-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	0.05 ug/L	19580	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[4.1.0.0(2,7)]hept-3-ene...	92	C7H8	035618-58-7	4
2	Spiro[2,4]hepta-4,6-diene $$ Spi...	92	C7H8	000765-46-8	4
3	SPIRO[2.4]HEPTA-2,6-DIENE	92	C7H8	000000-00-0	4
4	1,3,5-Cycloheptatriene $$ Cycloh...	92	C7H8	000544-25-2	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

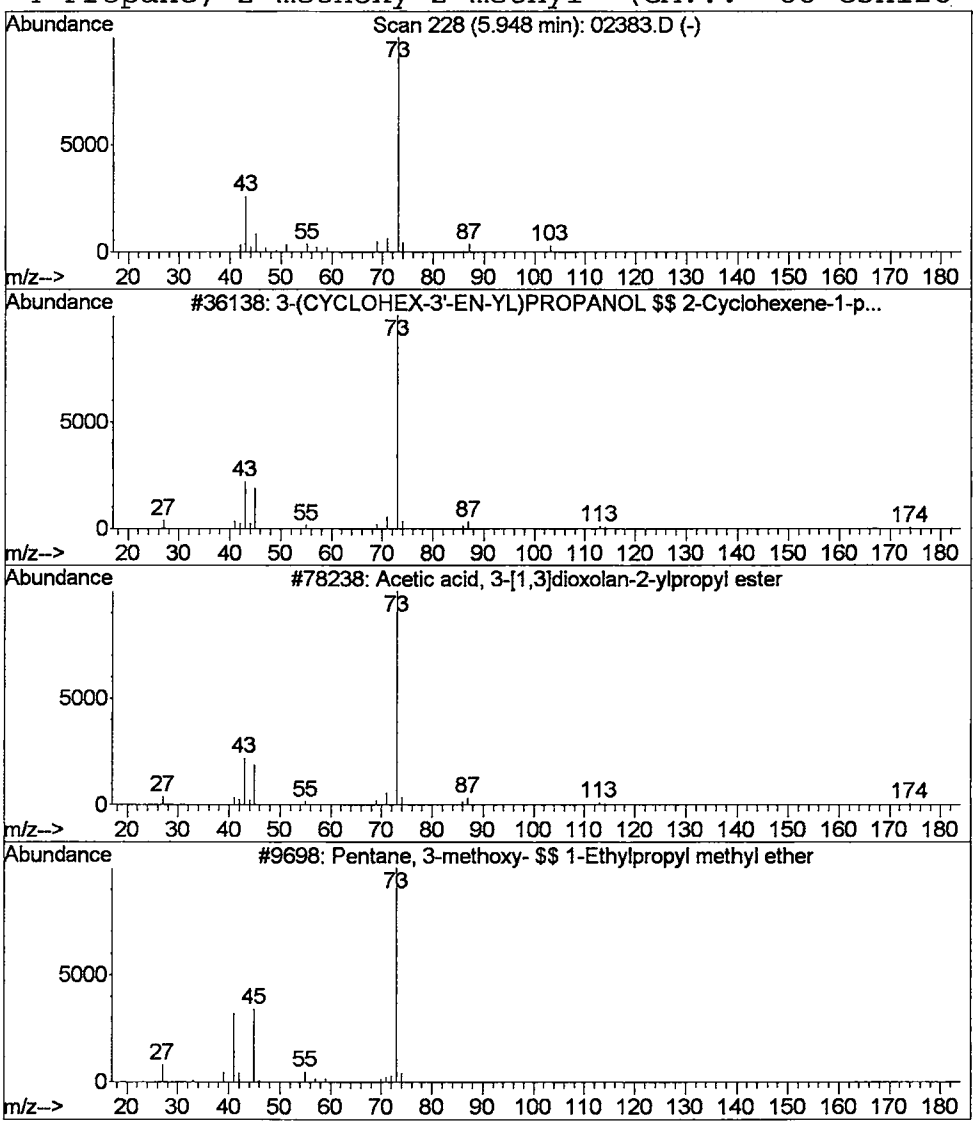
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

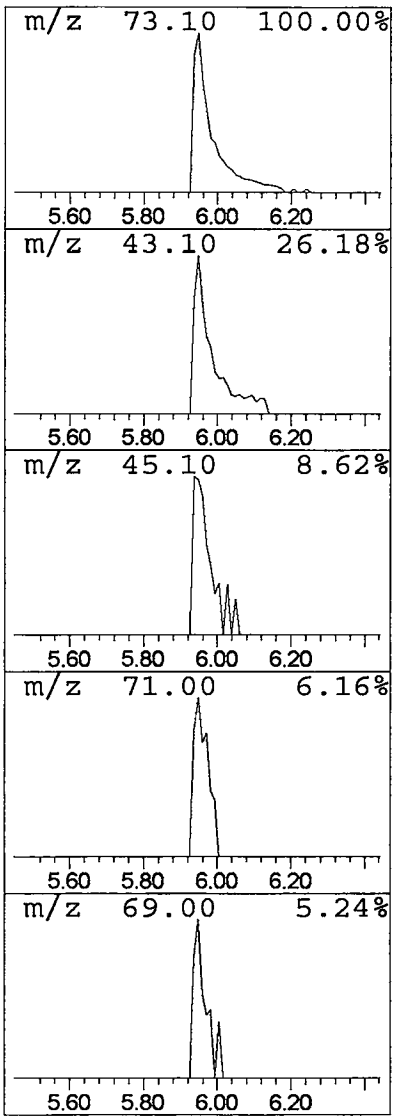
****

Peak Number 5 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	0.43 ug/L	177436	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	36
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	36
3	Pentane, 3-methoxy- $$ 1-Ethylpr...	102	C6H14O	036839-67-5	9
4	Propane, 2-methoxy-2-methyl- (CA...	88	C5H12O	001634-04-4	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

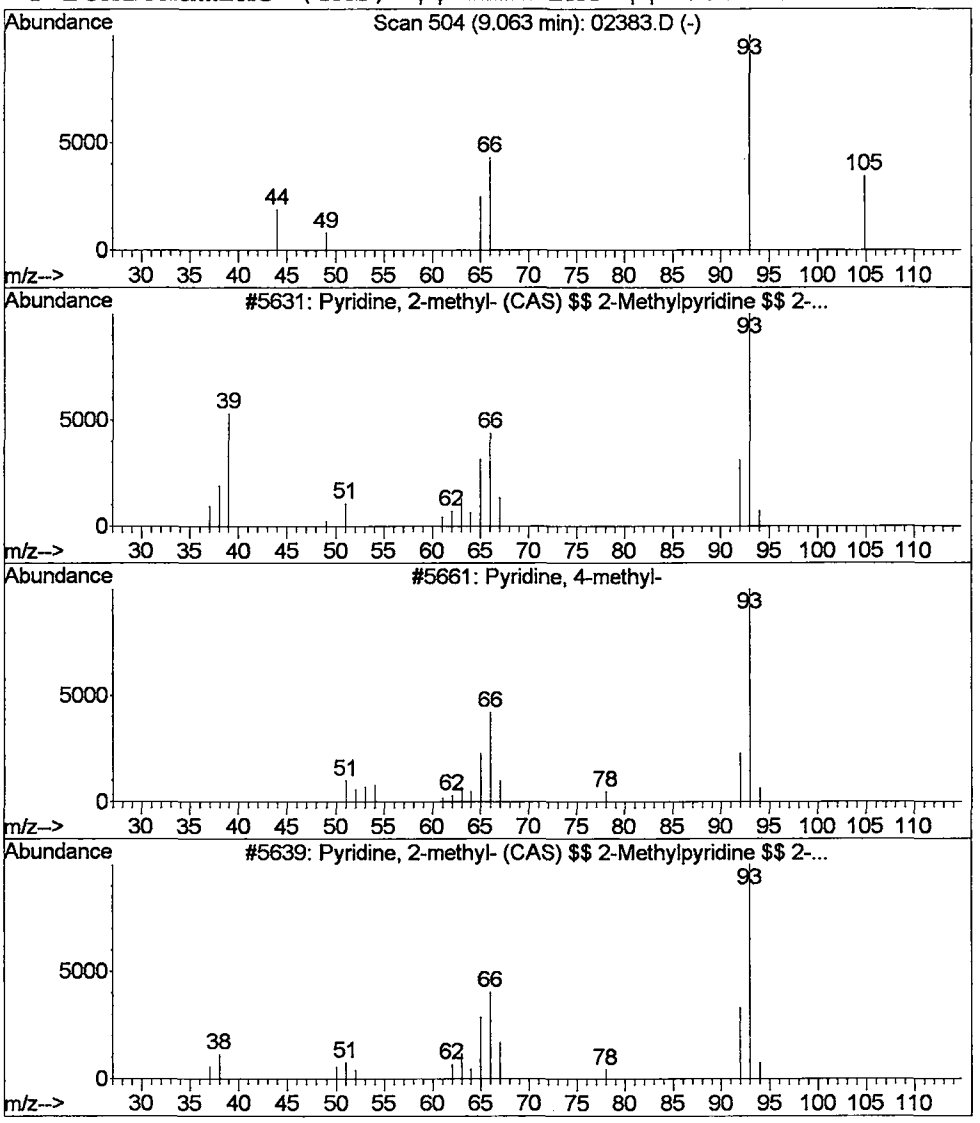
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

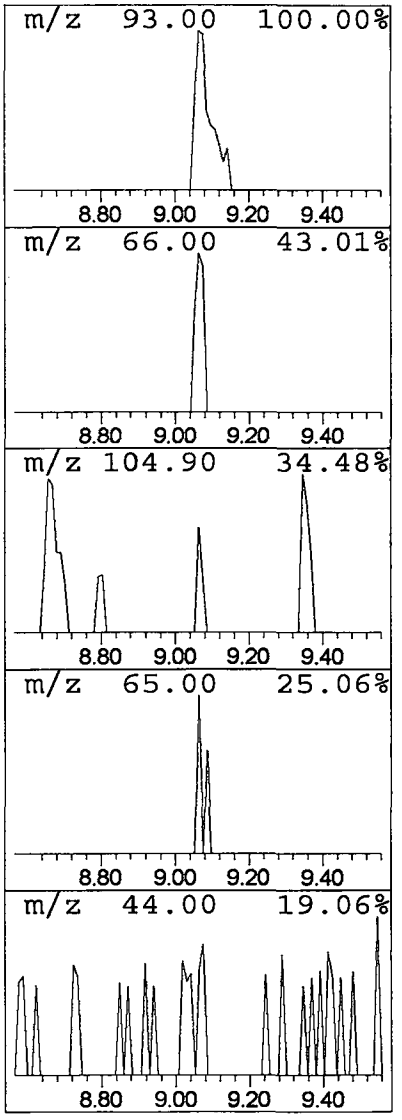
****

Peak Number 6 Pyridine, 2-methyl- (CAS) $... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	0.04 ug/L	18011	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-methyl- (CAS) $$ 2-M...	93	C6H7N	000109-06-8	9
2	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	9
3	Pyridine, 2-methyl- (CAS) $$ 2-M...	93	C6H7N	000109-06-8	9
4	Benzenamine (CAS) $$ Aniline $$ ...	93	C6H7N	000062-53-3	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

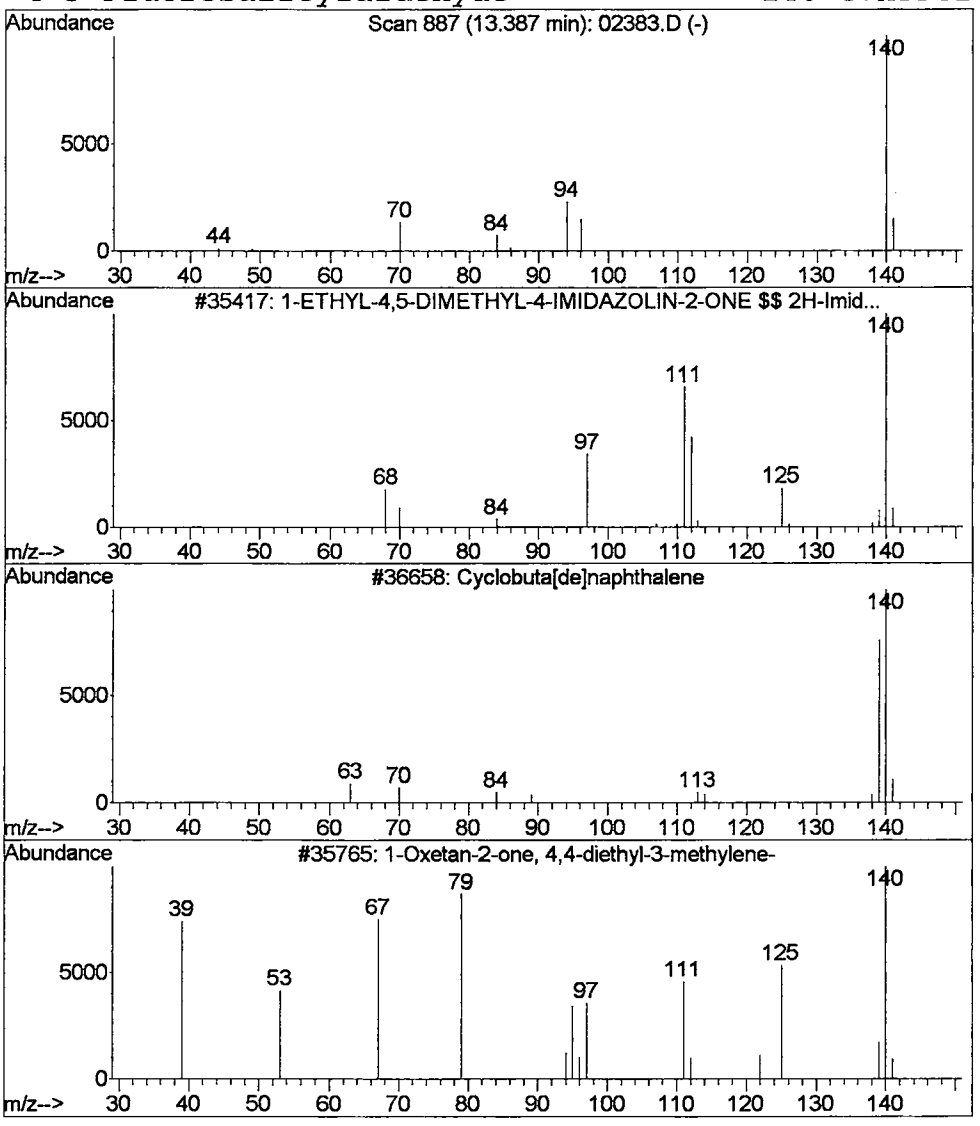
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

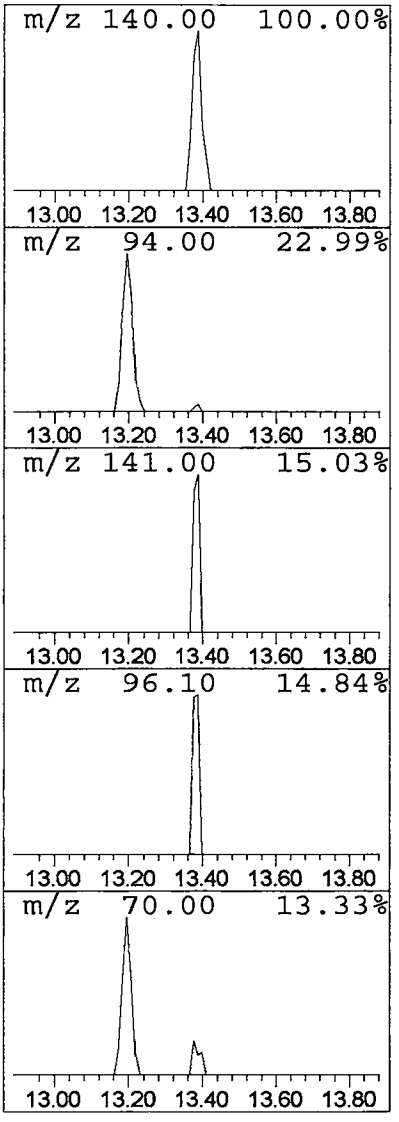
****

Peak Number 7 1-ETHYL-4,5-DIMETHYL-4-IMID... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	0.05 ug/L	30979	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-ETHYL-4,5-DIMETHYL-4-IMIDAZOLI...	140	C7H12N2O	059167-88-3	9
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	9
3	1-Oxetan-2-one, 4,4-diethyl-3-me...	140	C8H12O2	000000-00-0	9
4	3-Fluorosalicylaldehyde	140	C7H5FO2	000394-50-3	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

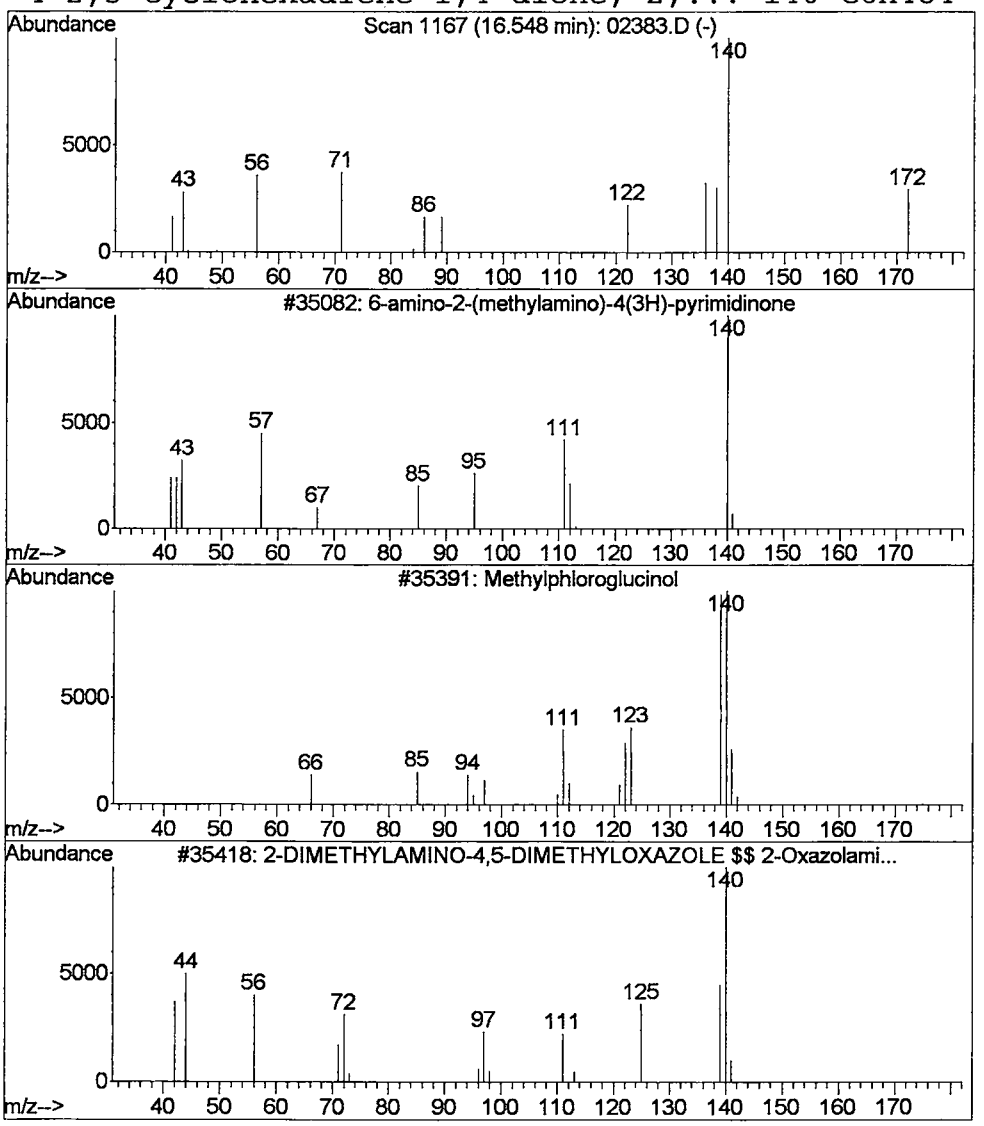
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

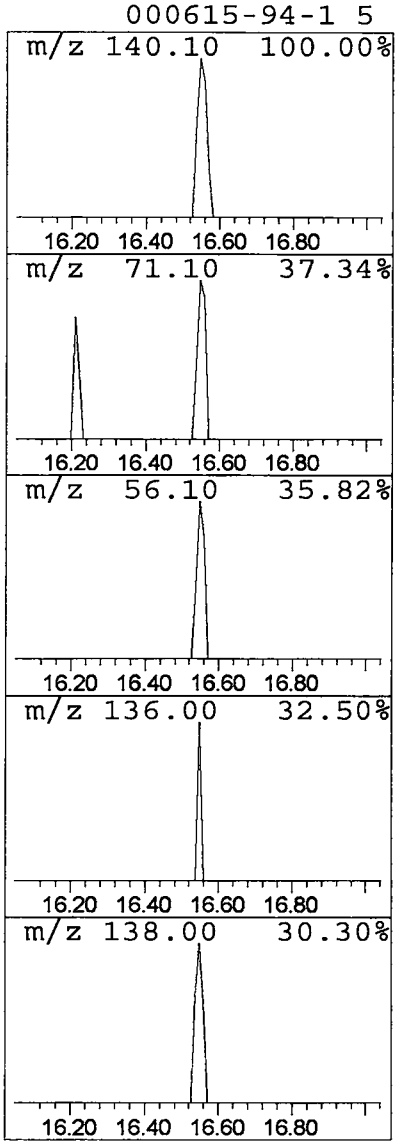
****

Peak Number 8 6-amino-2-(methylamino)-4(3... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	0.03 ug/L	21089	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-amino-2-(methylamino)-4(3H)-py...	140	C5H8N4O	089181-81-7	5
2	Methylphloroglucinol	140	C7H8O3	000000-00-0	5
3	2-DIMETHYLAMINO-4,5-DIMETHYLOXAZ...	140	C7H12N2O	073777-29-4	5
4	2,5-Cyclohexadiene-1,4-dione, 2,...	140	C6H4O4	000615-94-1	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

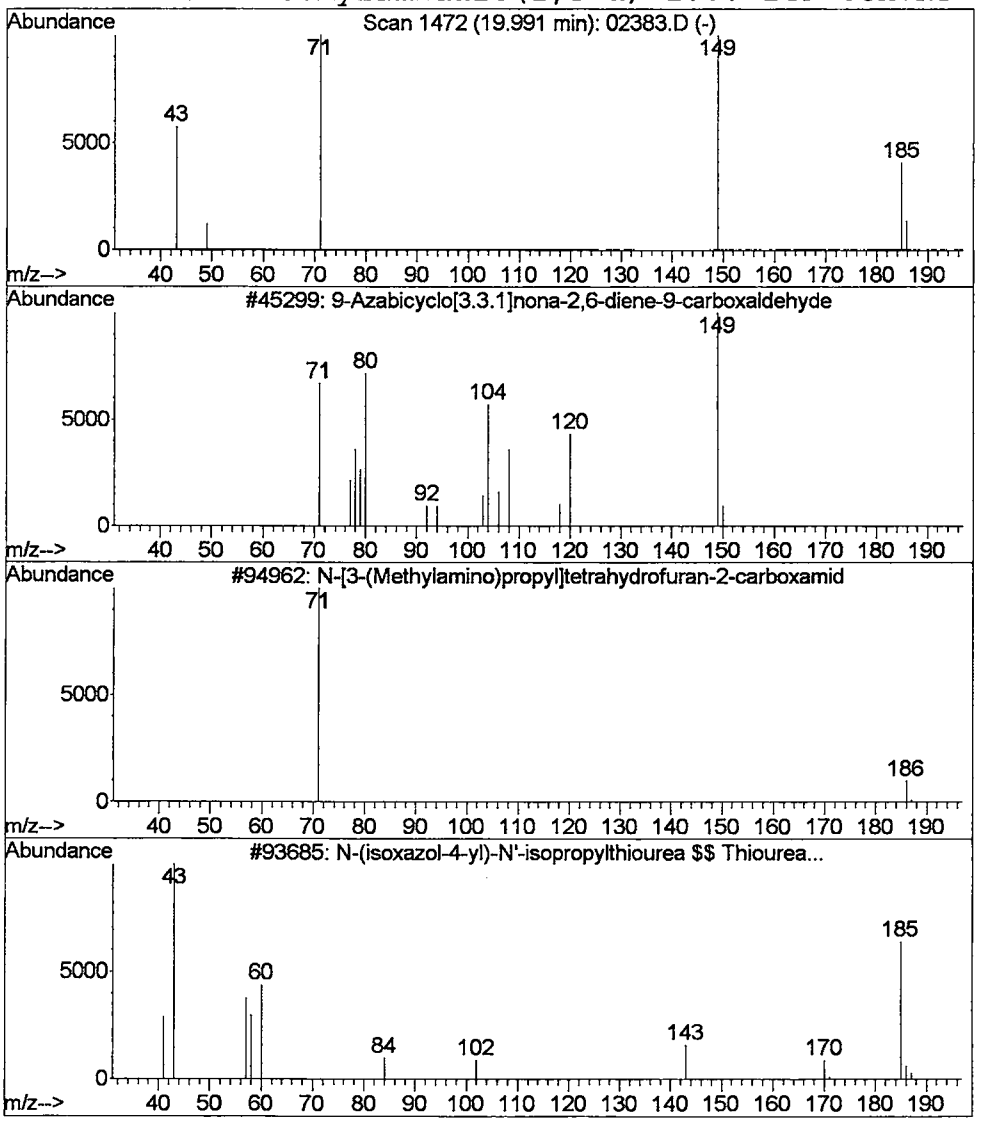
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

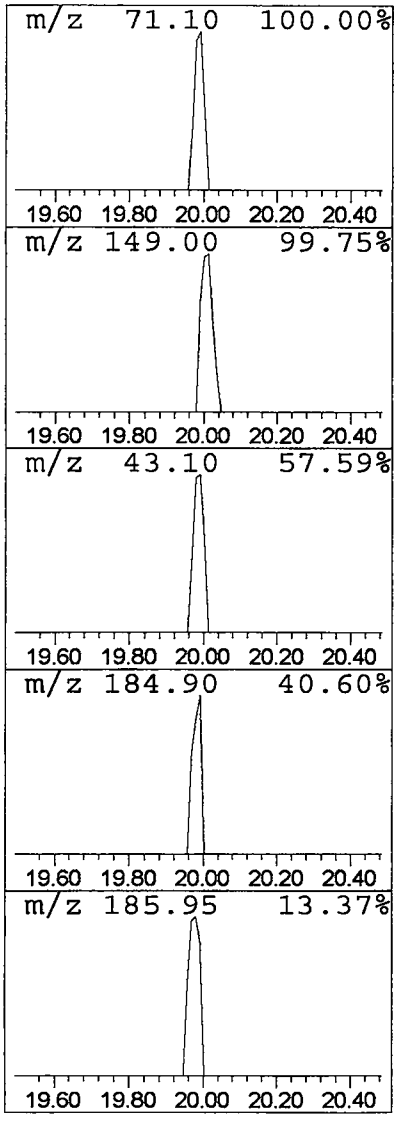
****

Peak Number 9 9-Azabicyclo[3.3.1]nona-2,6... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	0.04 ug/L	25089	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Azabicyclo[3.3.1]nona-2,6-dien...	149	C9H11NO	034668-91-2	5
2	N-[3-(Methylamino)propyl]tetrahy...	186	C9H18N2O2	000000-00-0	4
3	N-(isoxazol-4-yl)-N'-isopropylth...	185	C7H11N3OS	122686-04-8	4
4	4-Amino-8-methylimidazo(1,5-a)-1...	149	C6H7N5	079681-01-9	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

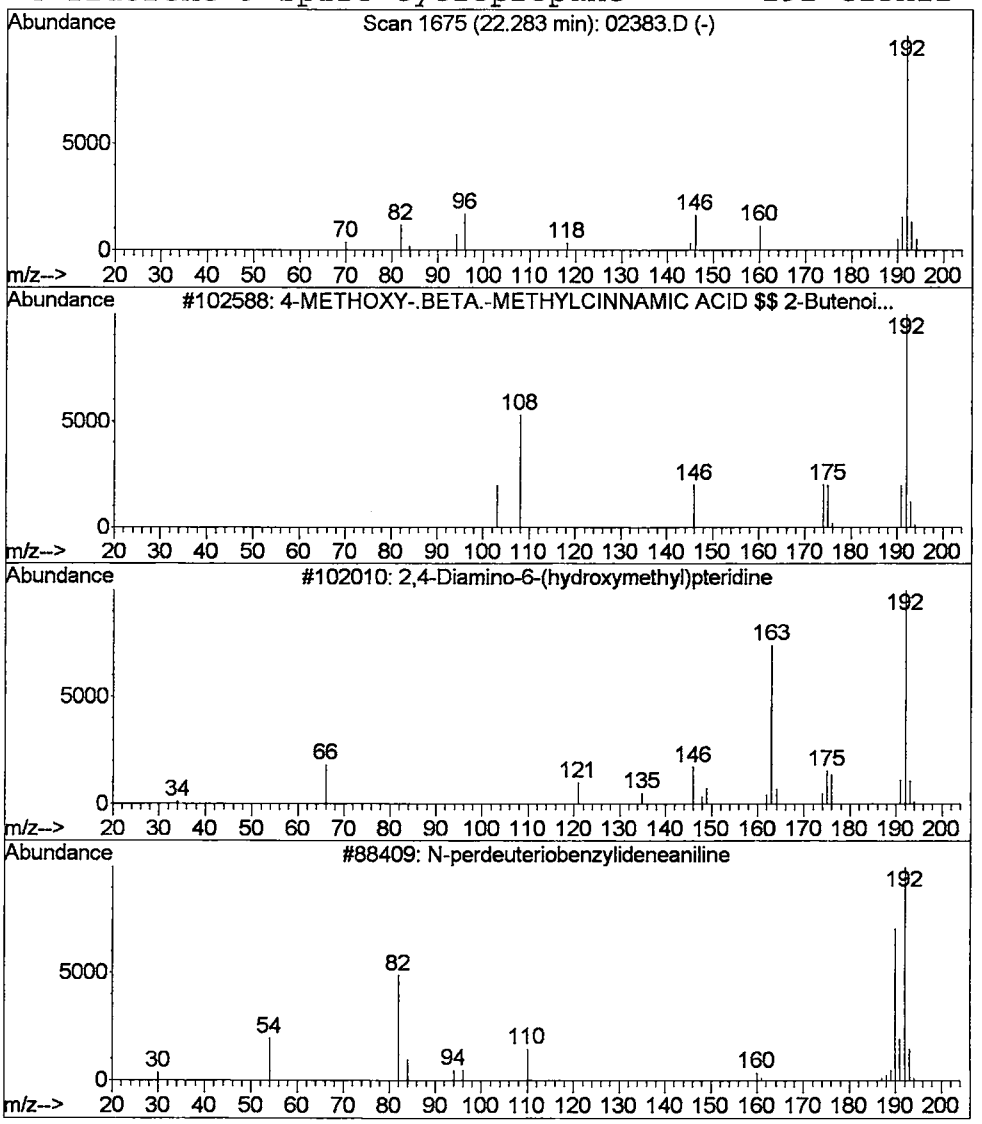
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

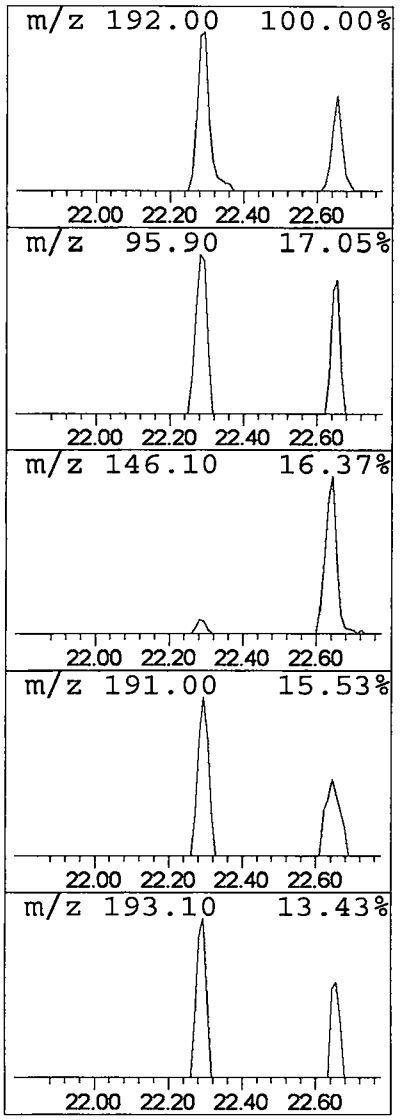
****

Peak Number 10 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.10 ug/L	69506	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
3	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58
4	fluorene-9-spiro-cyclopropane	192	C15H12	000000-00-0	45





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

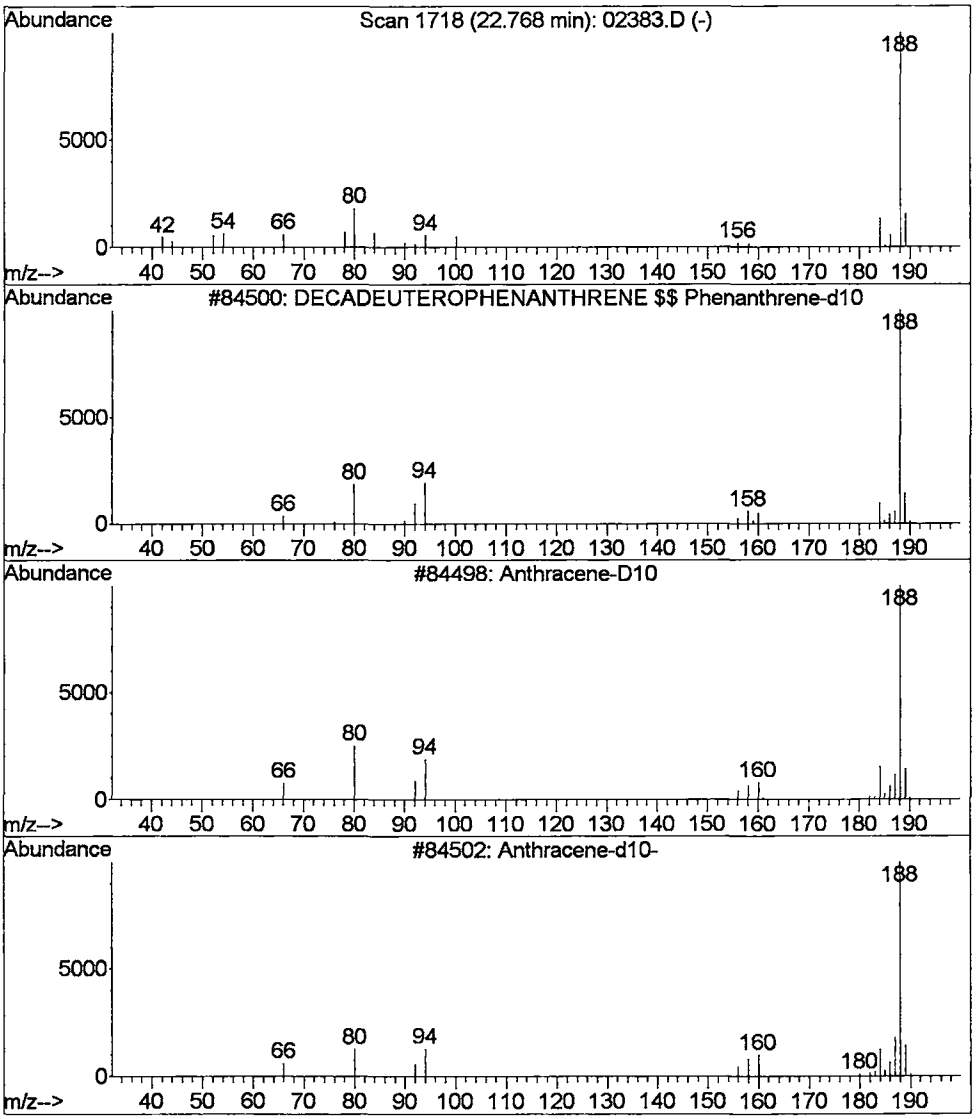
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

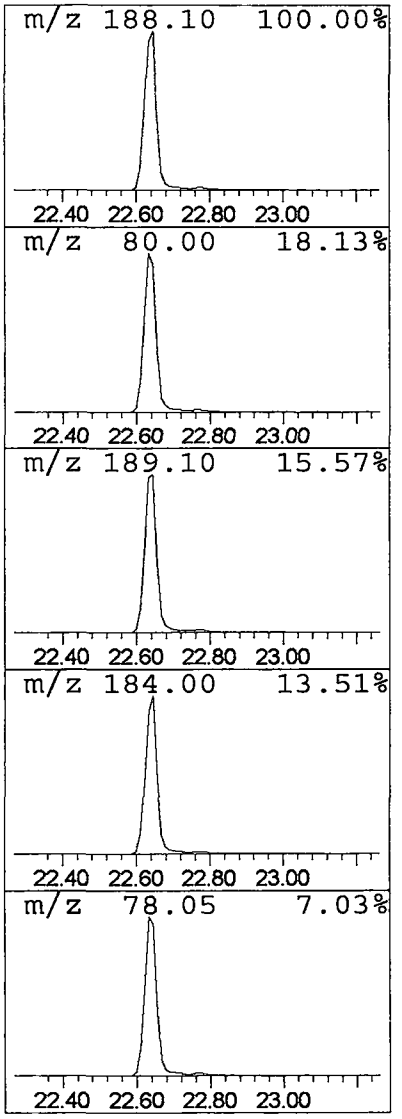
****

Peak Number 11 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.64 ug/L	442137	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	80
2	Anthracene-D10	188	C14D10	000000-00-0	80
3	Anthracene-d10-	188	C14D10	001719-06-8	50
4	Phenanthrene-d10	188	C14D10	001517-22-2	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

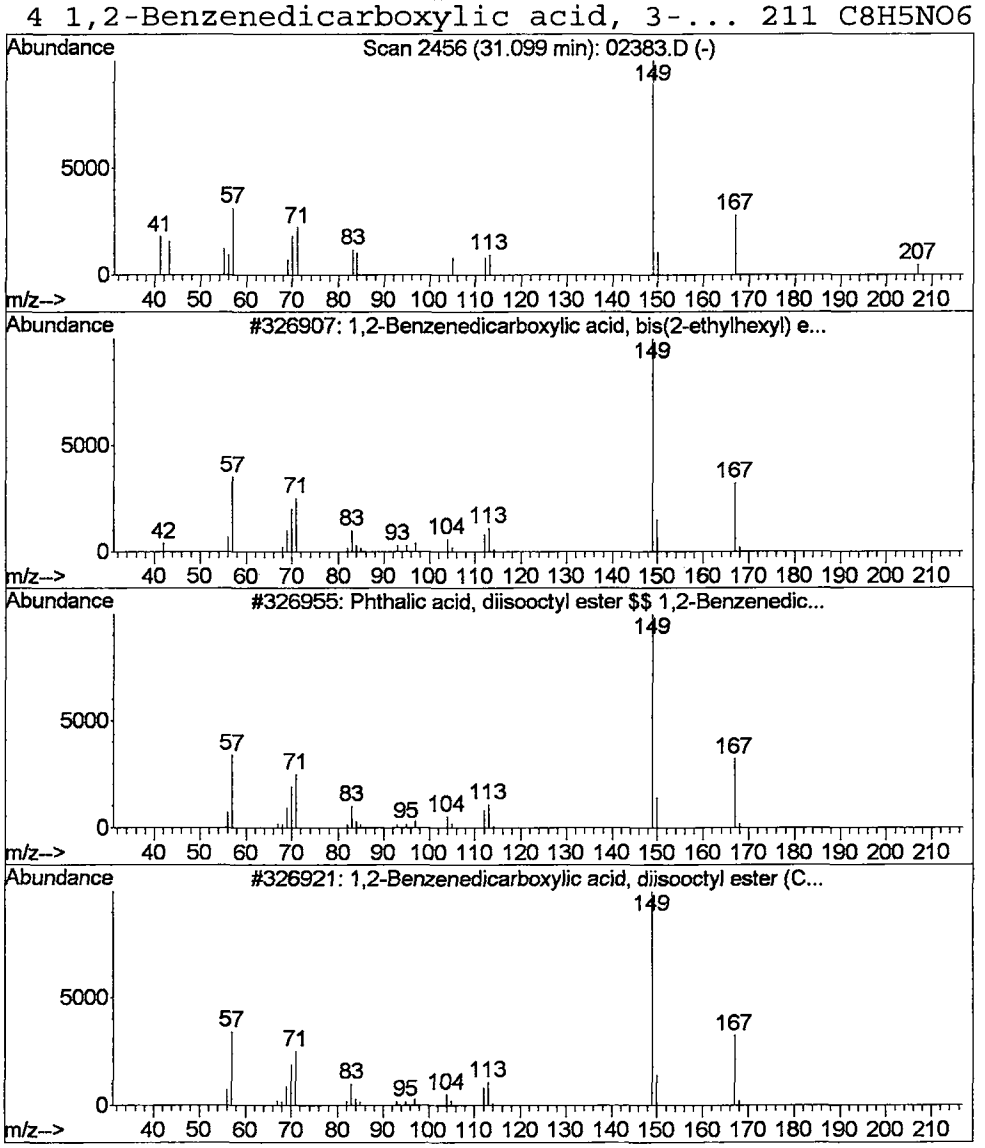
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

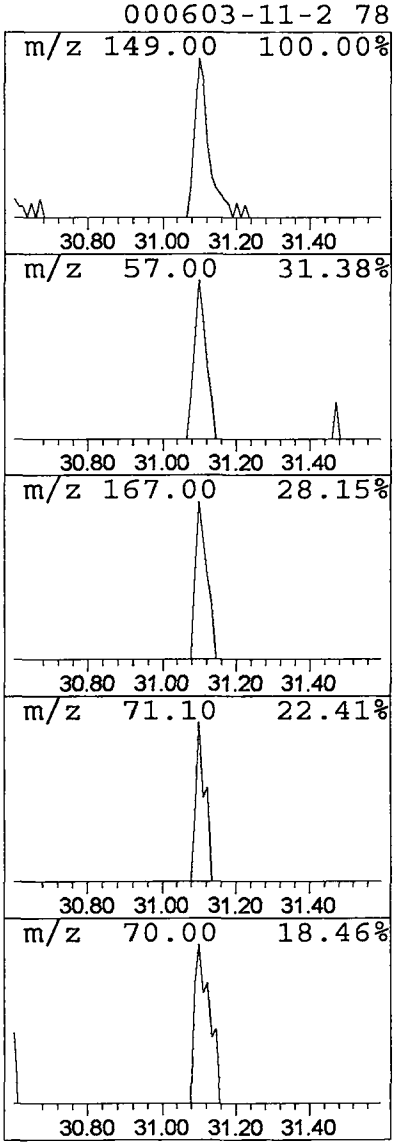
****

Peak Number 12 1,2-Benzenedicarboxylic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.10	0.13 ug/L	77979	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bi...	390	C24H38O4	000117-81-7	86
2	Phthalic acid, diisooctyl ester ...	390	C24H38O4	001330-91-2	86
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	86
4	1,2-Benzenedicarboxylic acid, 3-...	211	C8H5NO6	000603-11-2	78





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02383.D Vial: 4
Acq On : 27 Feb 2002 1:13 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

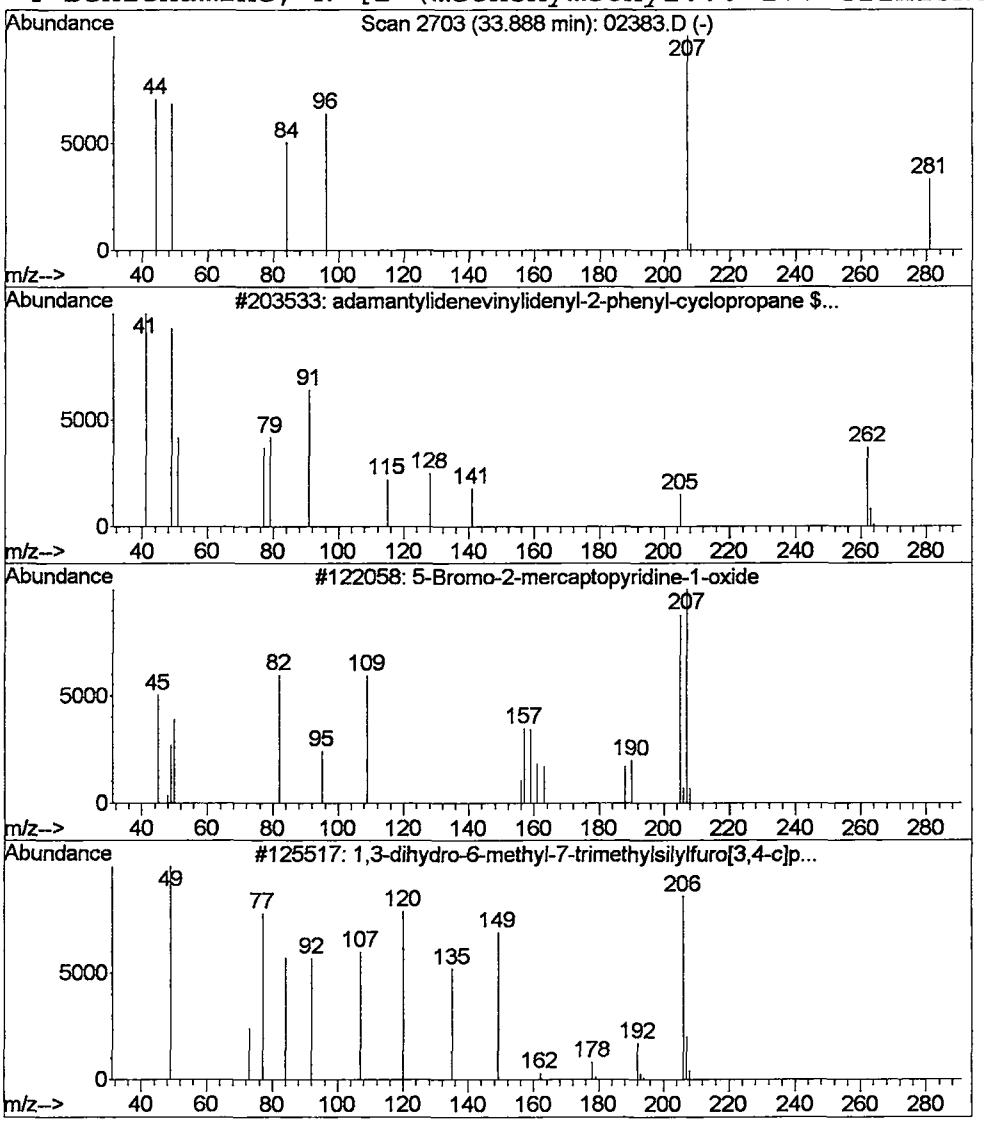
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

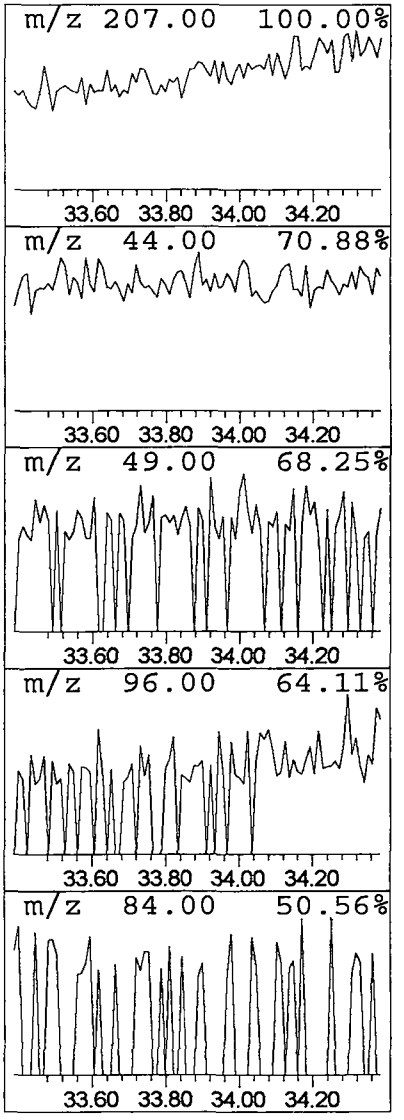
****

Peak Number 13 adamantylidenevinylidenyl-2... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.89	0.05 ug/L	20816	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	adamantylidenevinylidenyl-2-phen...	262	C20H22	099337-53-8	9
2	5-Bromo-2-mercaptopyridine-1-oxide	205	C5H4BrNOS	000000-00-0	9
3	1,3-dihydro-6-methyl-7-trimethyl...	207	C11H17NOSi	092772-74-2	9
4	Benzenamine, N-[1-(methoxymethyl...	177	C11H15NO	042540-70-5	9





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Feb 2002 1:13 pm
Data File: C:\MSDCHEM\1\5973N\02FEB27\02383.D
Name: 508 scan
Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Butanoic acid, me...	3.61	0.1	ug/L	50162	1	9.72	8312680	20.0
Propane, 1,1-dime...	3.92	0.1	ug/L	27657	1	9.72	8312680	20.0
2,2-dimethoxybutane	4.24	0.1	ug/L	62238	1	9.72	8312680	20.0
Tricyclo[4.1.0.0(...	4.37	0.0	ug/L	19580	1	9.72	8312680	20.0
3-(CYCLOHEX-3'-EN...	5.95	0.4	ug/L	177436	1	9.72	8312680	20.0
Pyridine, 2-methy...	9.06	0.0	ug/L	18011	1	9.72	8312680	20.0
1-ETHYL-4,5-DIMET...	13.39	0.1	ug/L	30979	2	13.20	11935500	20.0
6-amino-2-(methyl...	16.55	0.0	ug/L	21089	3	18.34	13001500	20.0
9-Azabicyclo[3.3....	19.99	0.0	ug/L	25089	3	18.34	13001500	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	69506	4	22.64	13846100	20.0
DECADEUTEROPHENAN...	22.77	0.6	ug/L	442137	4	22.64	13846100	20.0
1,2-Benzenedicarb...	31.10	0.1	ug/L	77979	5	30.49	12290400	20.0
adamantylidenevin...	33.89	0.0	ug/L	20816	6	34.42	9143100	20.0

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 12:08:06

Sample: AE02385
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 12:07 Ended: 3/7/02 12:07 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		94		5.0

Comments for Sample AE02385 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 12:08:13

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoverie for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 2 were below.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02385.D Vial: 1
Acq On : 27 Feb 2002 3:17 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:48 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

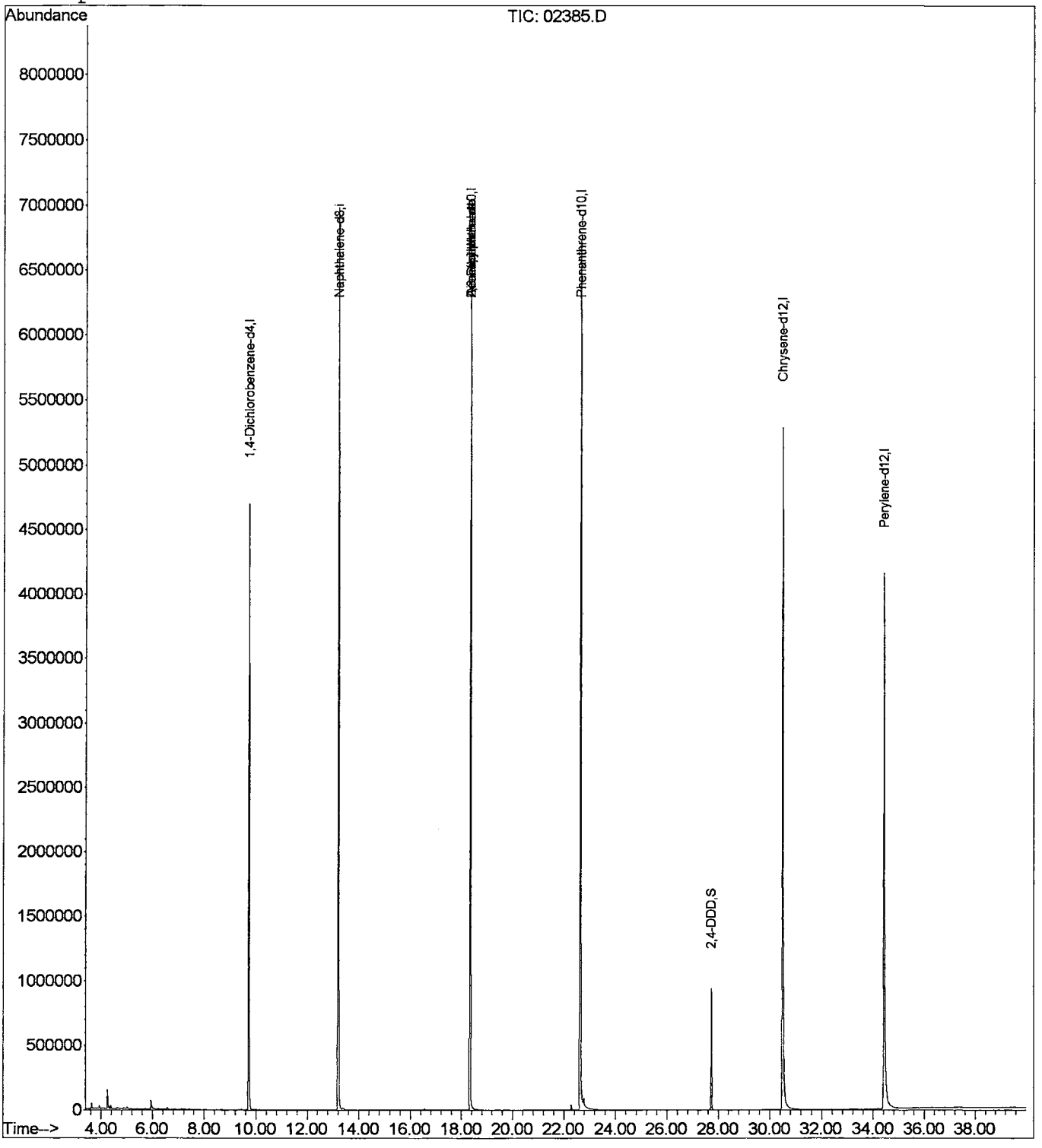
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1669851	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	7086907	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3524893	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	5938027	20.00	ug/L	0.00
38) Chrysene-d12	30.49	240	4614081	20.00	ug/L	-0.03
44) Perylene-d12	34.42	264	3232164	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.74	235	372227	4.70	ug/L	0.01
Spiked Amount 5.000			Recovery = 94.00%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	566203	2.65	ug/L #	58
21) 2,6-Dinitrotoluene	18.34	165	446716	9.05	ug/L #	27

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02385.D Vial: 1
Acq On : 27 Feb 2002 3:17 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02385.D Vial: 1
Acq On : 27 Feb 2002 3:17 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

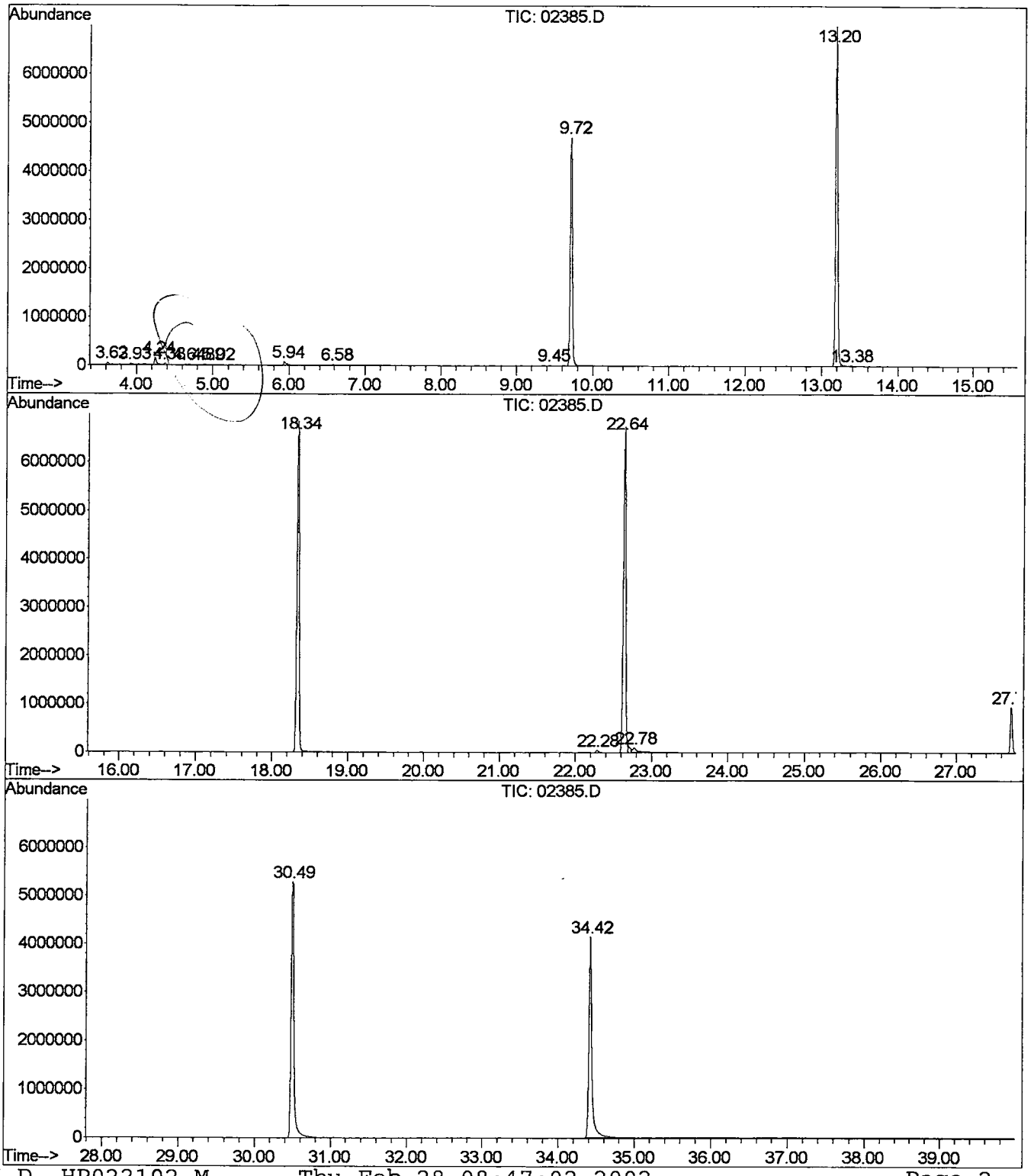
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.622	19	22	25	rBV	44170	71814	0.48%	0.090%
2	3.927	47	49	55	rVB	23947	38460	0.26%	0.048%
3	4.243	73	77	85	rBV2	145470	265234	1.79%	0.334%
4	4.379	85	89	93	rVB2	28889	50459	0.34%	0.063%
5	4.638	109	112	123	rVB6	11189	35474	0.24%	0.045%
6	4.887	131	134	139	rBV3	11889	35905	0.24%	0.045%
7	5.022	143	146	153	rVB3	16839	33194	0.22%	0.042%
8	5.936	225	227	239	rBV	70299	182786	1.23%	0.230%
9	6.580	279	284	293	rBV	16875	35383	0.24%	0.045%
10	9.447	533	538	547	rVB4	7628	20174	0.14%	0.025%
11	9.718	557	562	567	rBV	4698282	9240750	62.22%	11.627%
12	13.195	865	870	875	rBV	6981133	13310977	89.63%	16.748%
13	13.376	883	886	897	rVB2	14054	43901	0.30%	0.055%
14	18.343	1321	1326	1331	rBV	6828372	14183510	95.51%	17.846%
15	22.283	1671	1675	1683	rVB2	41931	89212	0.60%	0.112%
16	22.644	1701	1707	1711	rBV	6719635	14850657	100.00%	18.685%
17	22.780	1715	1719	1743	rVB	87946	467329	3.15%	0.588%
18	27.724	2153	2157	2163	rVV	944405	1819374	12.25%	2.289%
19	30.490	2397	2402	2445	rBV	5283044	13800221	92.93%	17.364%
20	34.418	2745	2750	2793	rVB	4143588	10902843	73.42%	13.718%

Sum of corrected areas: 79477657

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB27\02385.D
Operator :
Acquired : 27 Feb 2002 3:17 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 27, 2002
Vial Number: 1
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02385.D Vial: 1
Acq On : 27 Feb 2002 3:17 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

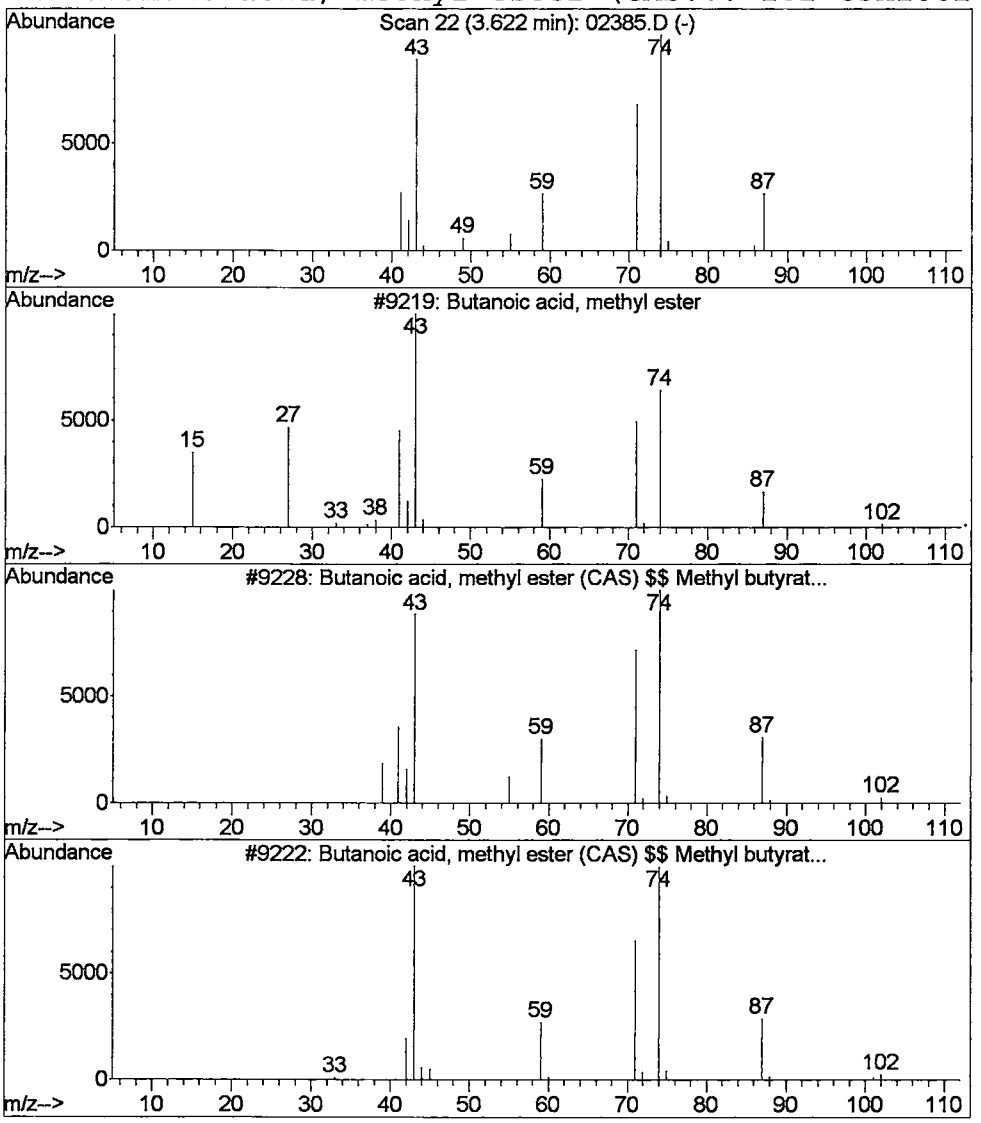
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

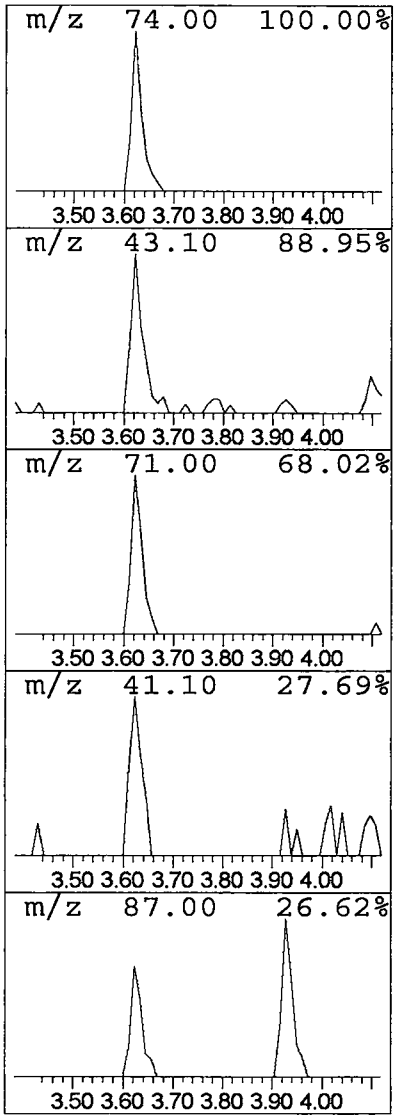
****

Peak Number 1 Butanoic acid, methyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.16 ug/L	71814	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02385.D Vial: 1
Acq On : 27 Feb 2002 3:17 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

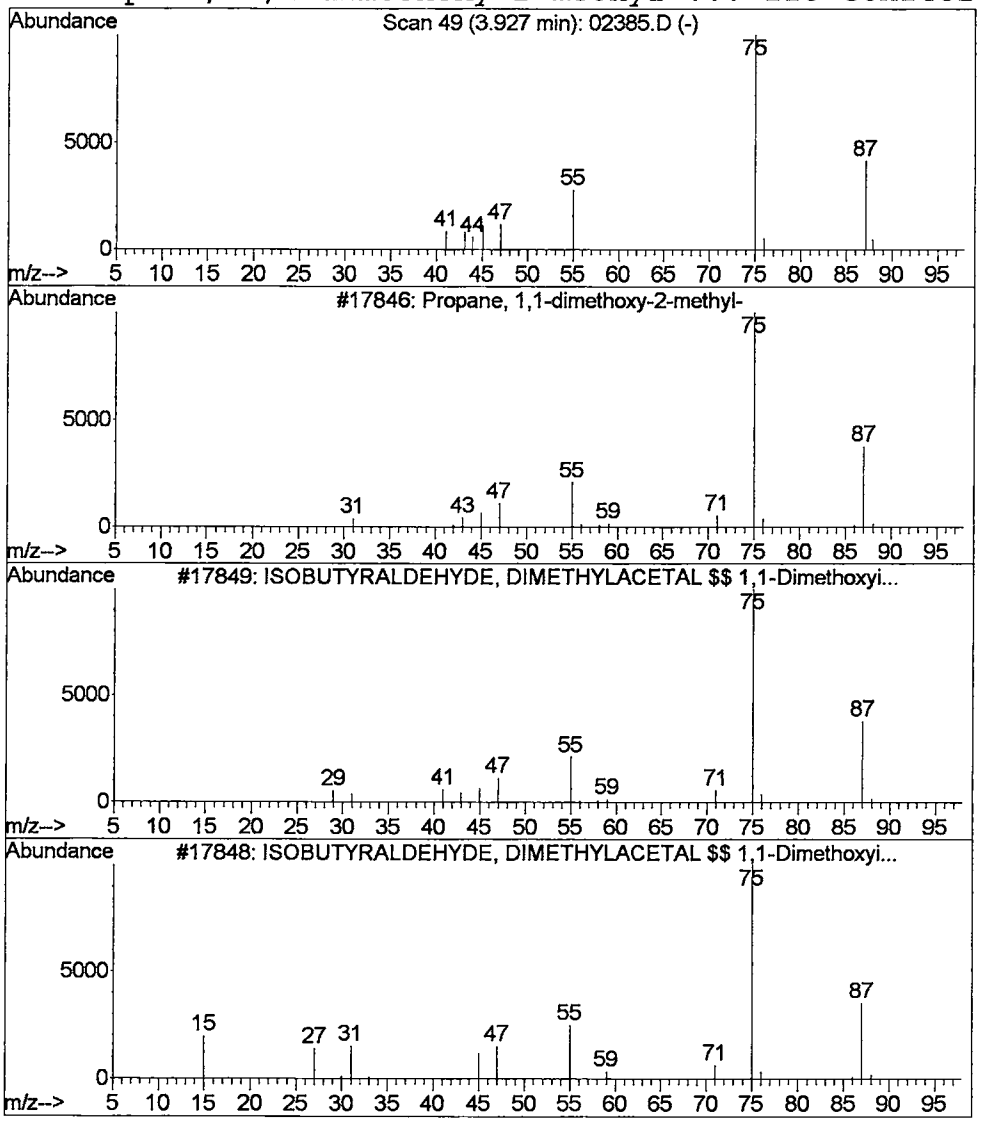
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

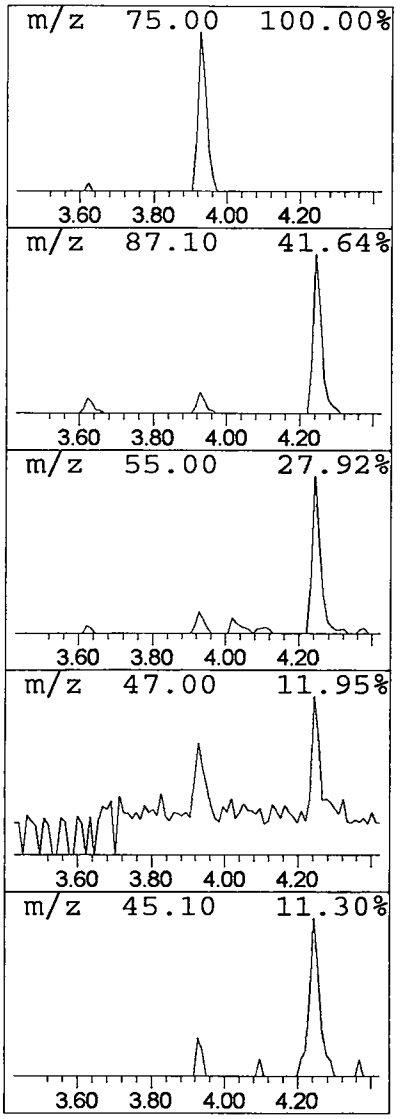
****

Peak Number 2 Propane, 1,1-dimethoxy-2-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.08 ug/L	38460	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	83
2	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
3	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	74
4	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	43





Library Search Compound Report

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Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

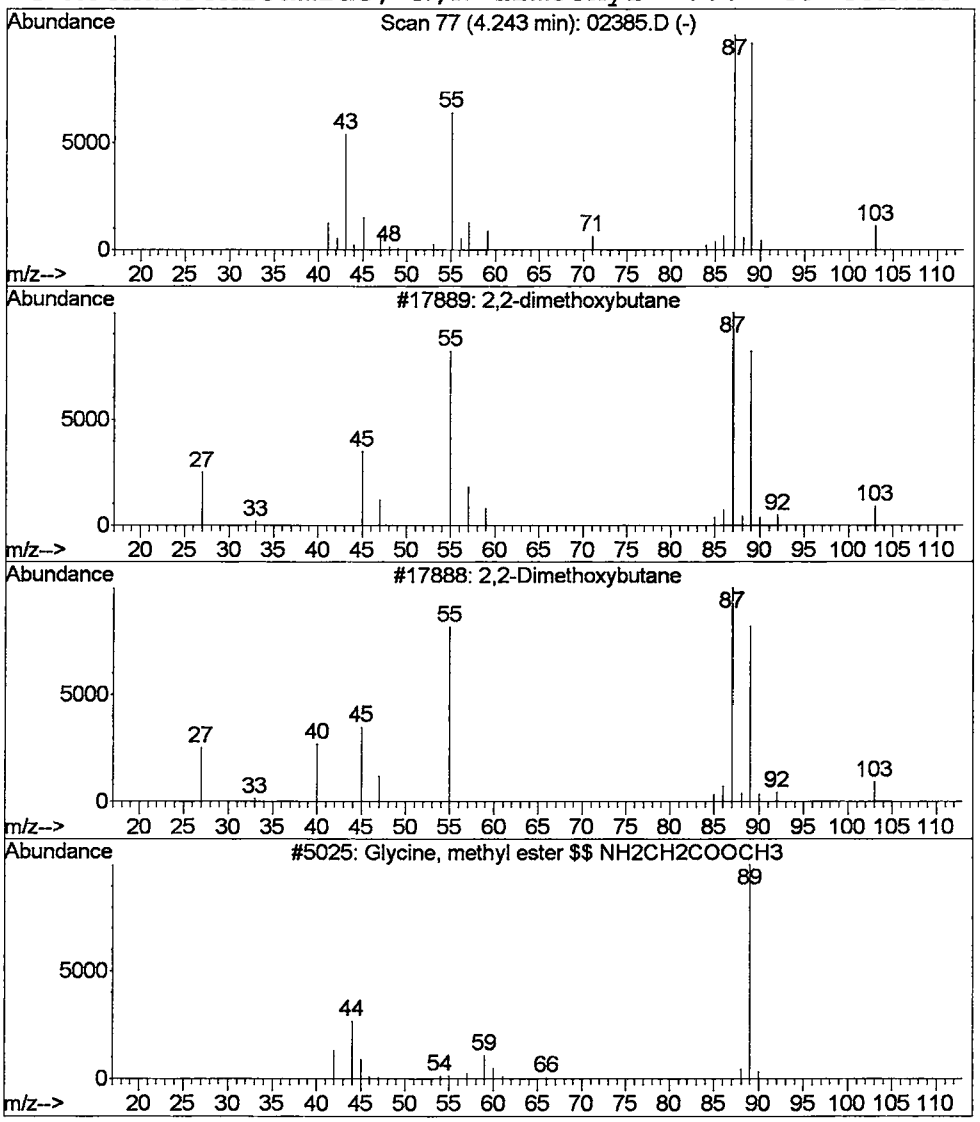
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

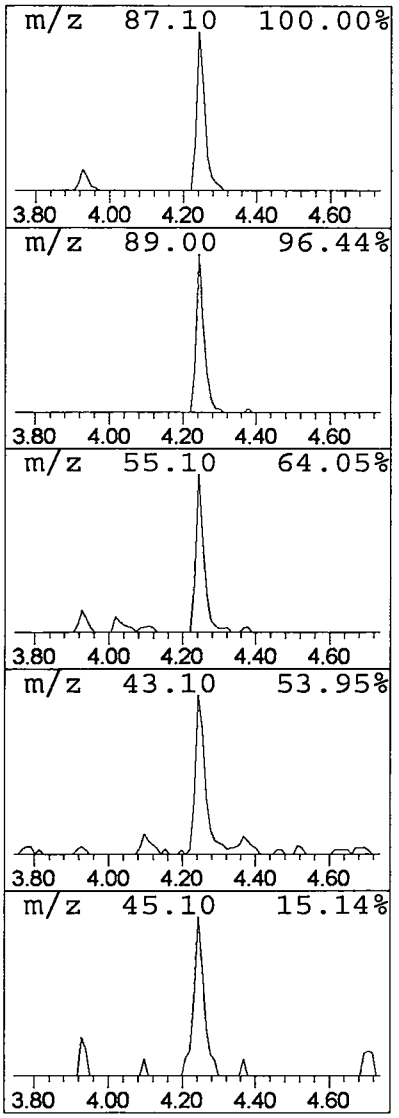
****

Peak Number 3 2,2-dimethoxybutane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.57 ug/L	265234	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	83
2	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	83
3	Glycine, methyl ester $$ NH2CH2C...	89	C3H7NO2	000616-34-2	59
4	Methanethioamide, N,N-dimethyl- ...	89	C3H7NS	000758-16-7	38





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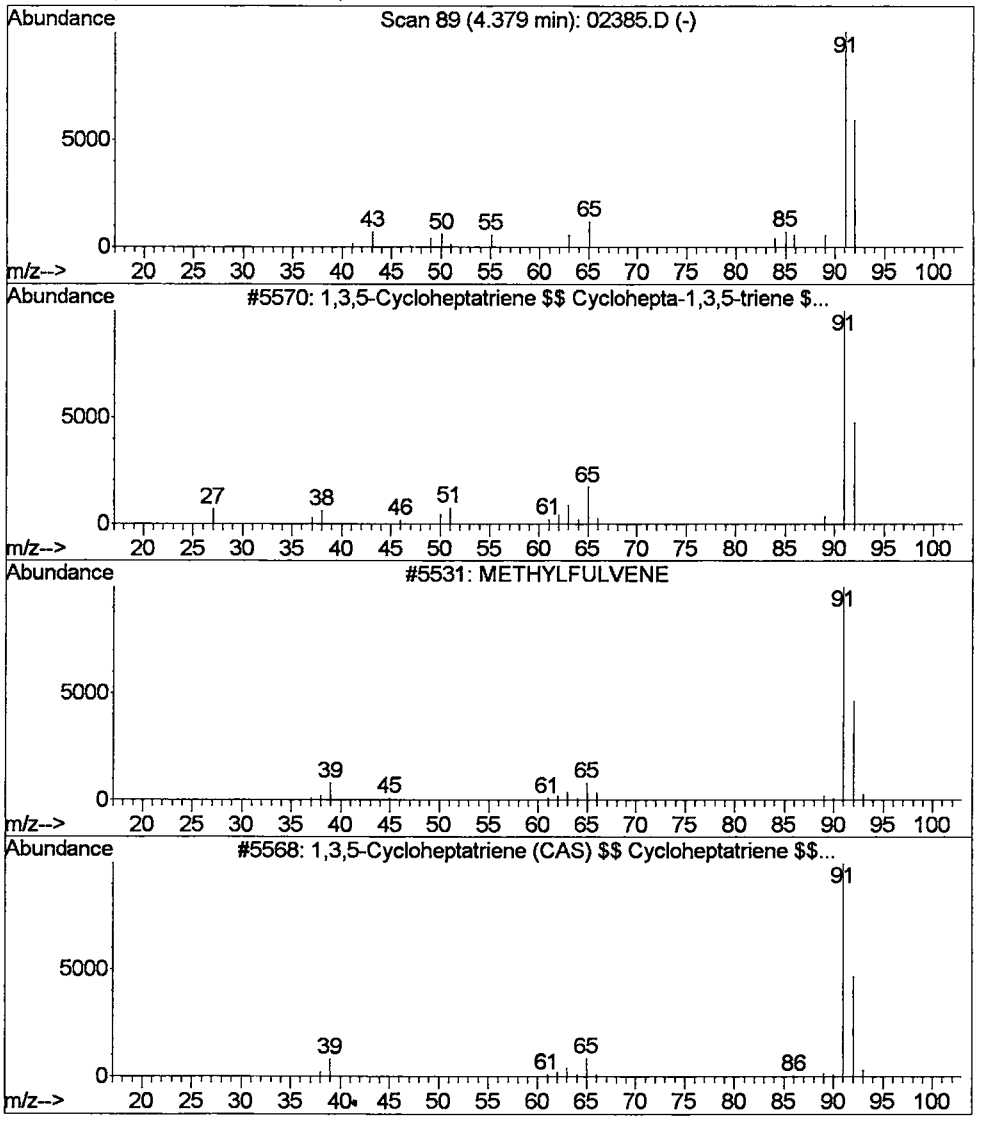
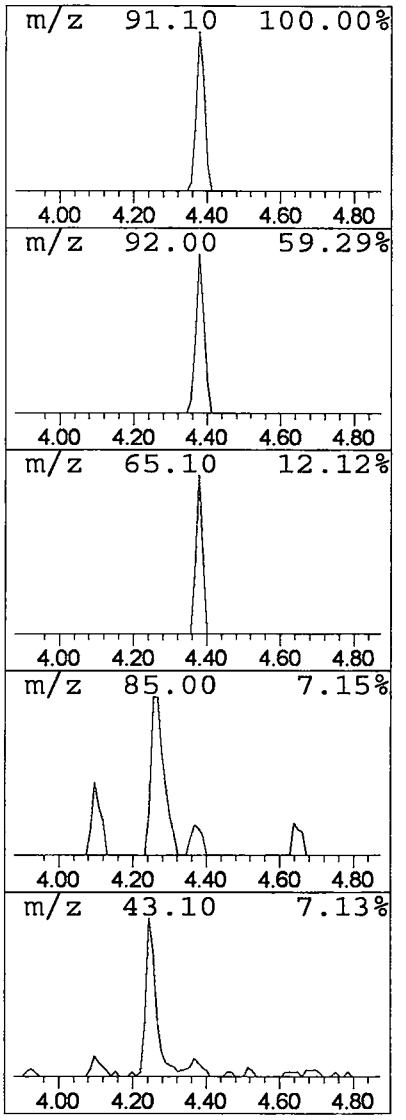
****

Peak Number 4 1,3,5-Cycloheptatriene $$ C... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	0.11 ug/L	50459	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene $$ Cycloh...	92	C7H8	000544-25-2	9
2	METHYLFULVENE	92	C7H8	000000-00-0	9
3	1,3,5-Cycloheptatriene (CAS) $$ ...	92	C7H8	000544-25-2	9
4	N-(2-THIAZOLYL)-2-NITRO-3-BENZYL...	369	C18H15N3O4S	000000-00-0	9





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MS Integration Params: LSCINT.P

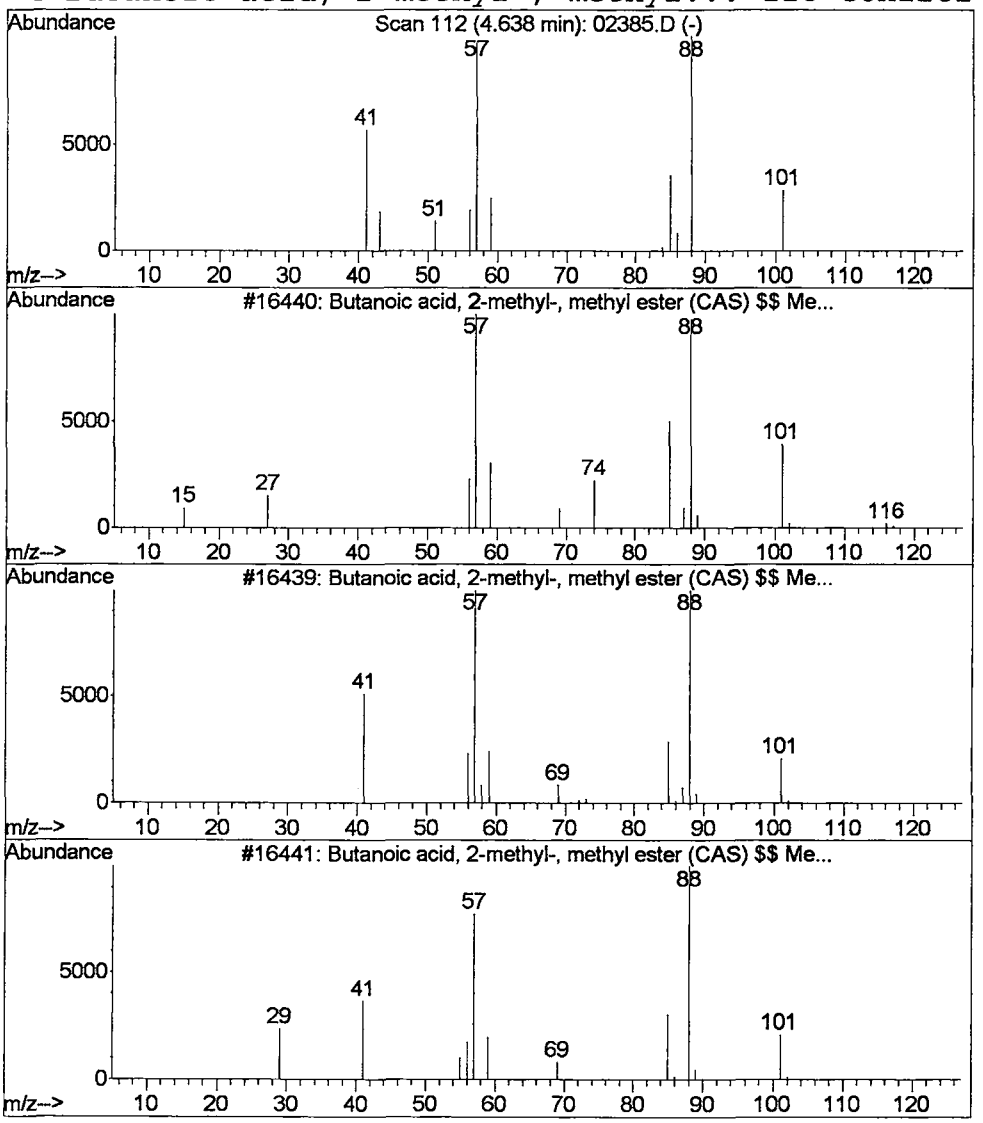
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

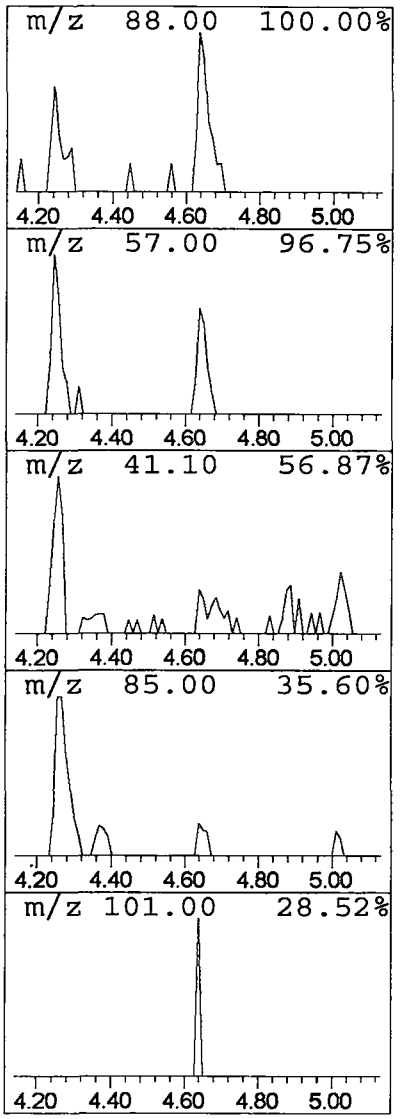
****

Peak Number 5 Butanoic acid, 2-methyl-, m... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	0.08 ug/L	35474	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	83
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	83
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	74
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	74





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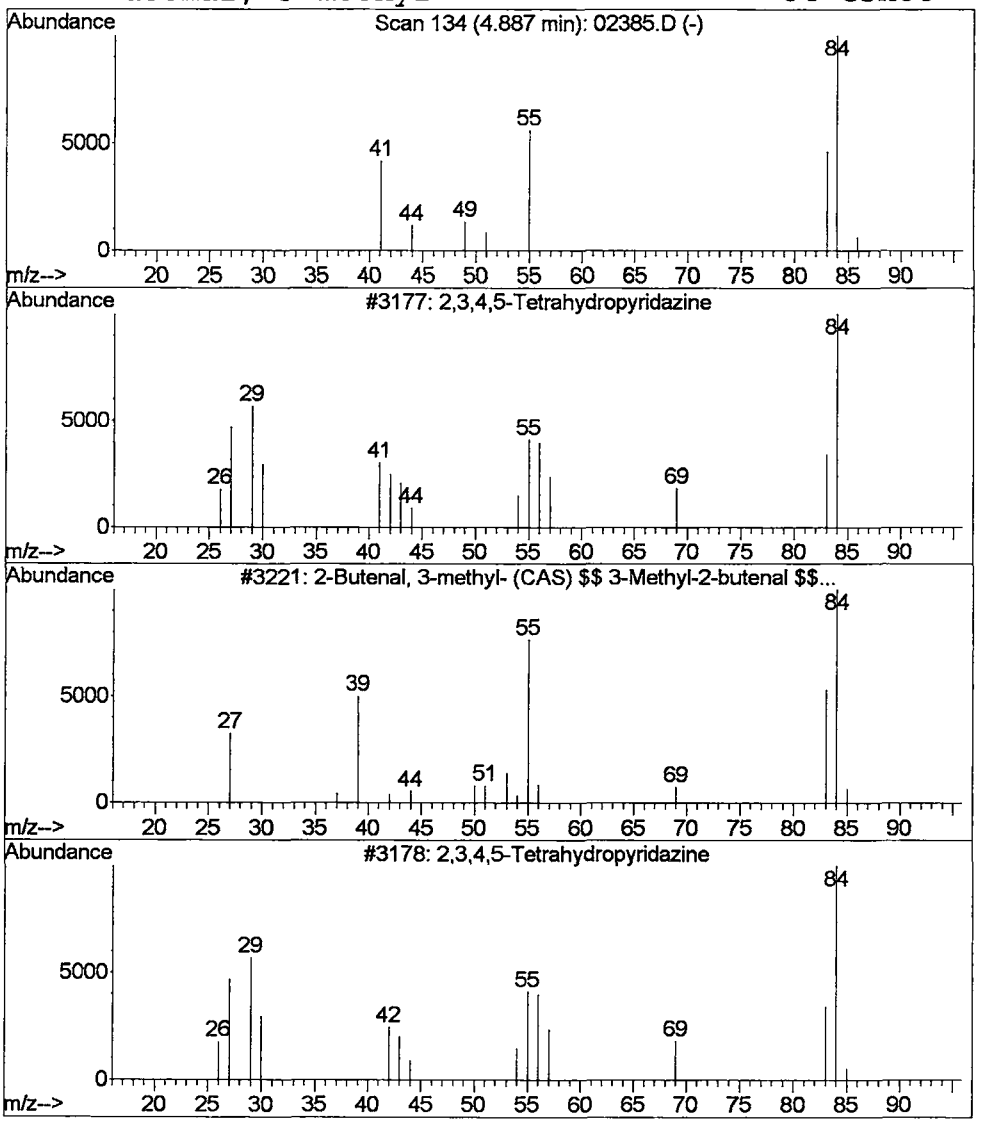
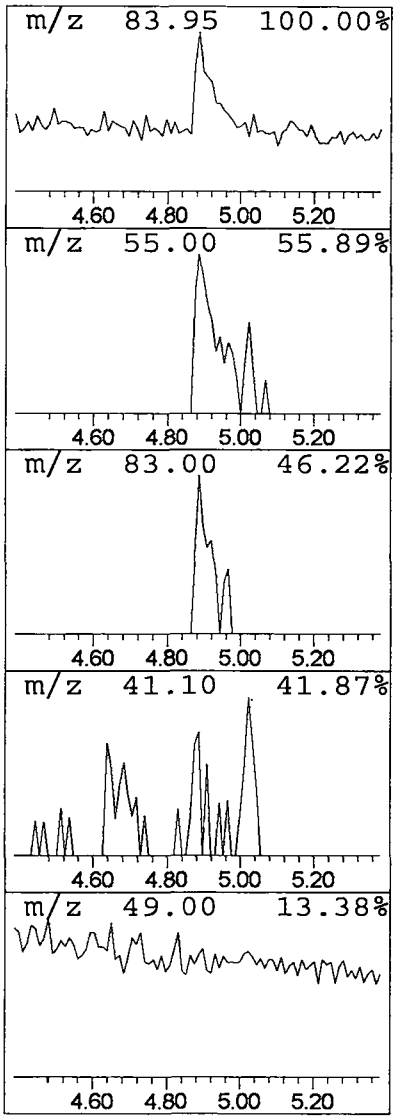
****

Peak Number 6 2,3,4,5-Tetrahydropyridazine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	0.08 ug/L	35905	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	78
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	64
3	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	64
4	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	64





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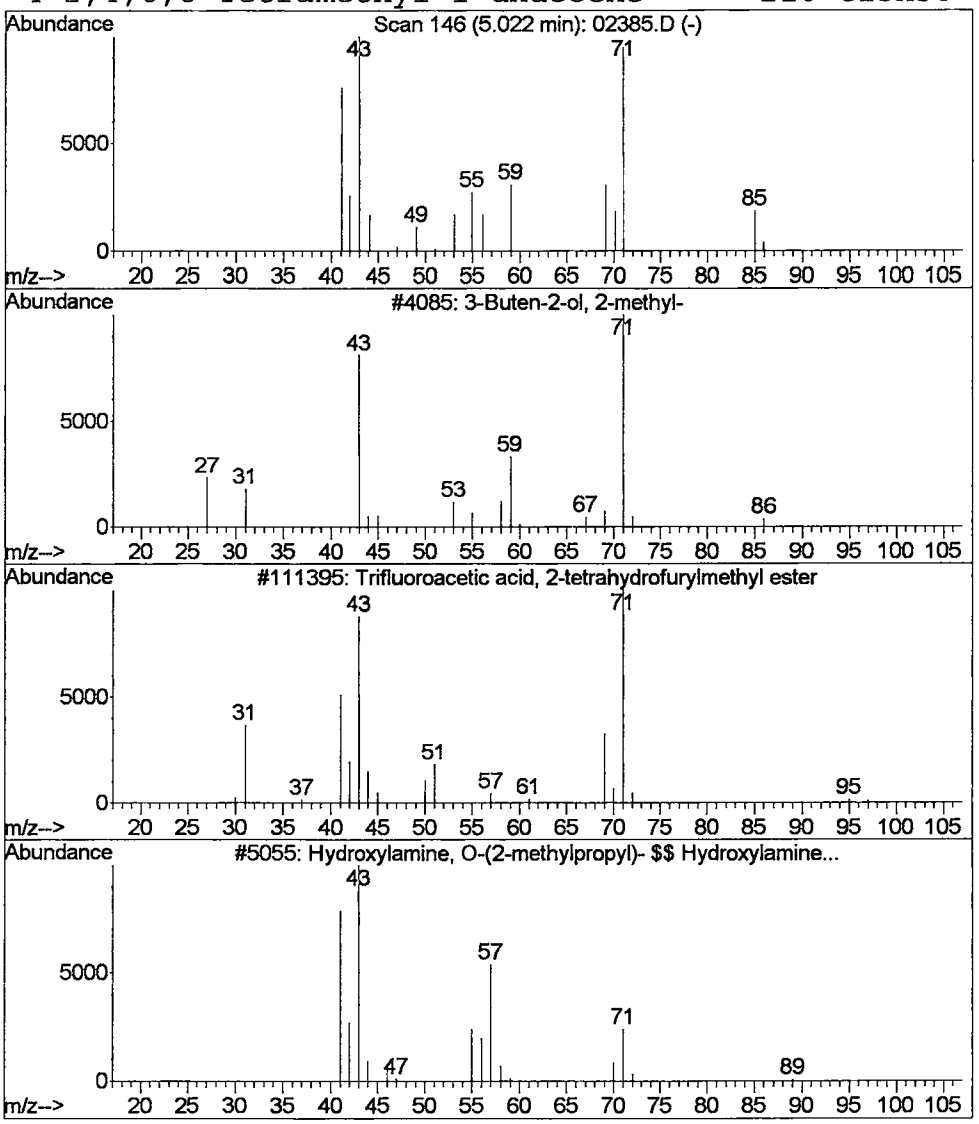
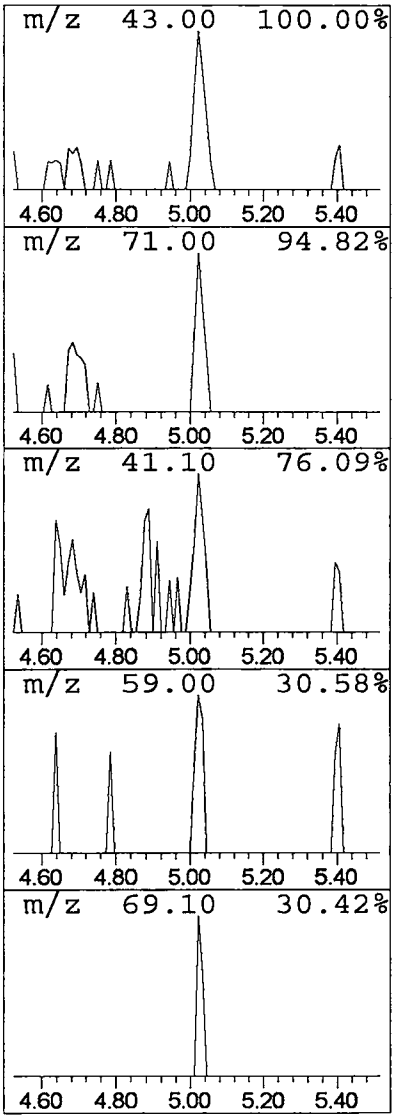
****

Peak Number 7 3-Buten-2-ol, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.07 ug/L	33194	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	40
2	Trifluoroacetic acid, 2-tetrahyd...	198	C7H9F3O3	000000-00-0	28
3	Hydroxylamine, O-(2-methylpropyl...	89	C4H11NO	005618-62-2	14
4	2,4,6,8-Tetramethyl-1-undecene	210	C15H30	059920-26-2	12





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Misc : February 27, 2002 Multiplr: 1.00
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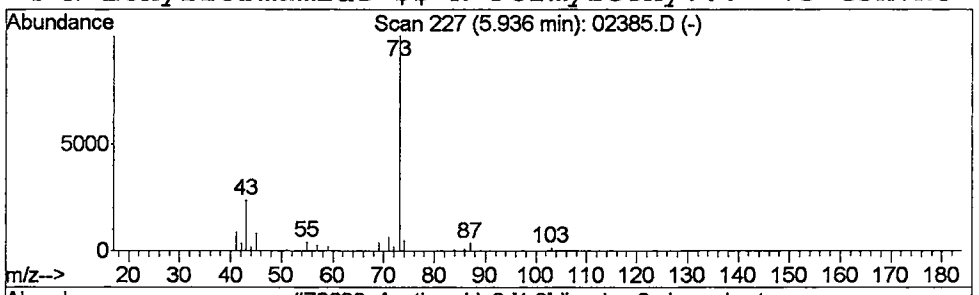
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

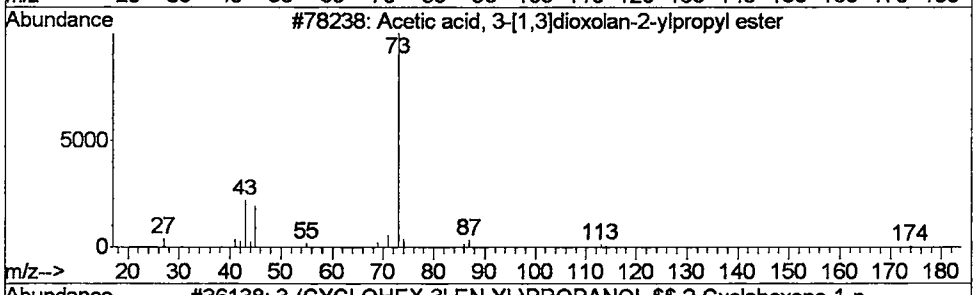
****

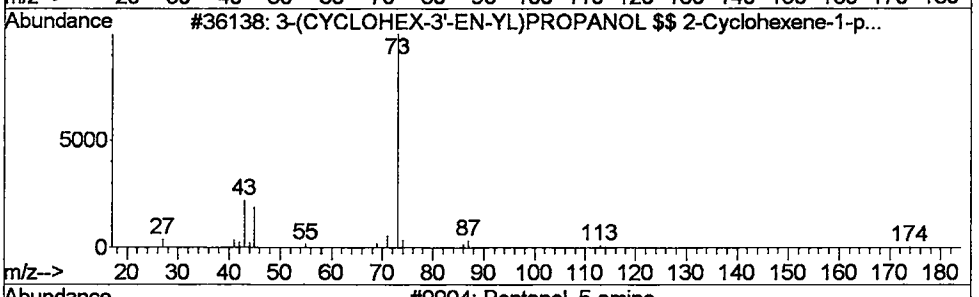
Peak Number 8 Acetic acid, 3-[1,3]dioxola... Concentration Rank 3

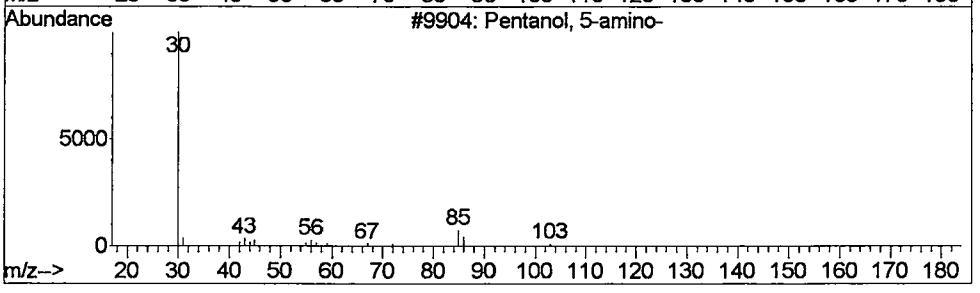
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	0.40 ug/L	182786	1,4-Dichlorobenzene-d4	9.72

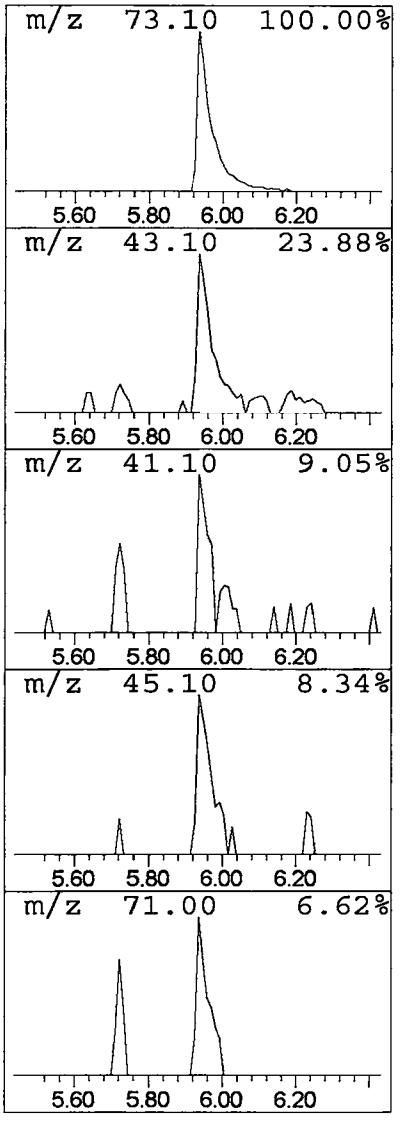
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	36
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	36
3	Pentanol, 5-amino-	103	C5H13NO	002508-29-4	9
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9











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MS Integration Params: LSCINT.P

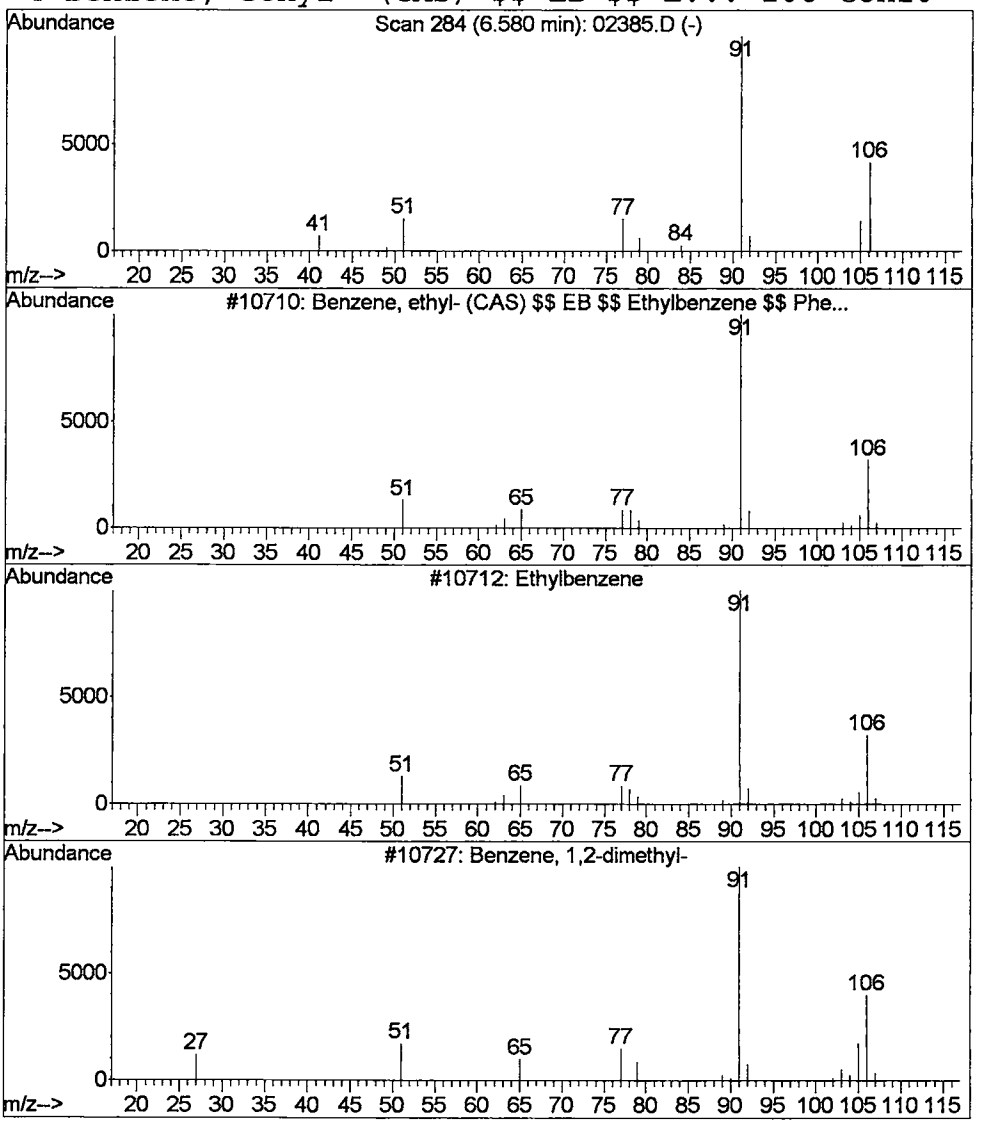
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

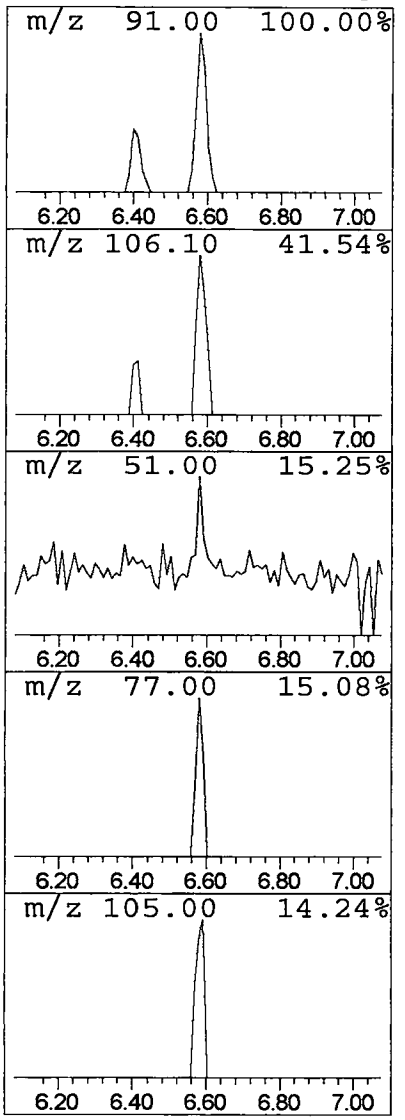
****

Peak Number 9 Benzene, ethyl- (CAS) $$ EB... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	0.08 ug/L	35383	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, ethyl- (CAS) $$ EB $$ E...	106	C8H10	000100-41-4	90
2	Ethylbenzene	106	C8H10	000100-41-4	90
3	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	90
4	Benzene, ethyl- (CAS) $$ EB $$ E...	106	C8H10	000100-41-4	86





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Library : C:\DATABASE\WILEY7N.L

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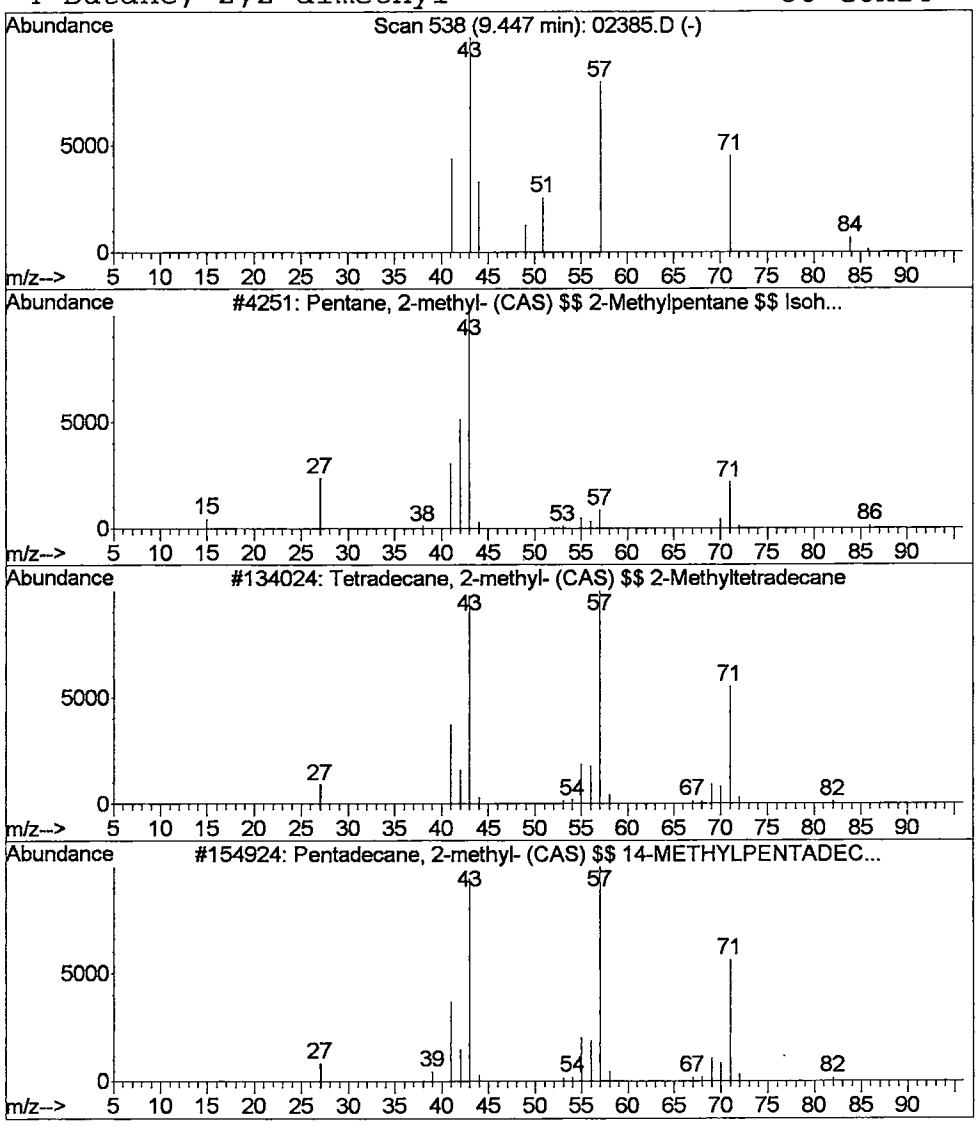
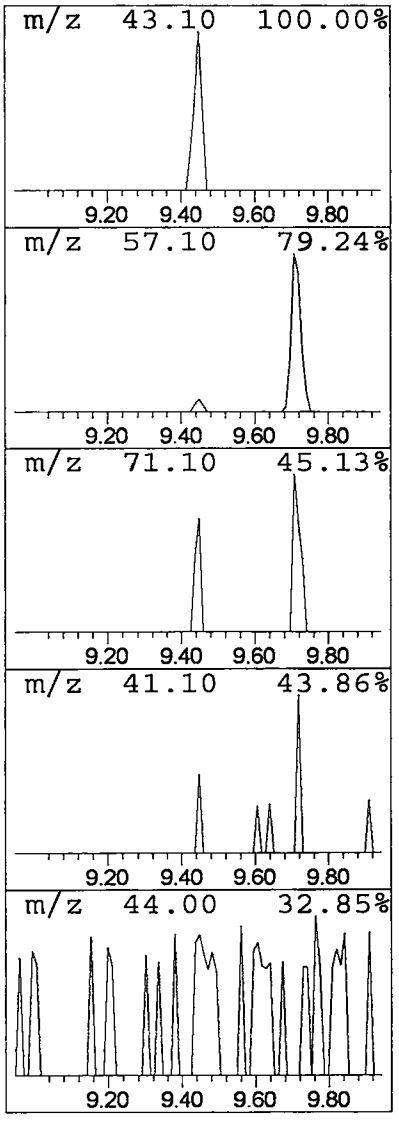
Peak Number 10 Pentane, 2-methyl- (CAS) $$... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	0.04 ug/L	20174	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl- (CAS) $$ 2-Me...	86	C6H14	000107-83-5	4
2	Tetradecane, 2-methyl- (CAS) $$ ...	212	C15H32	001560-95-8	4
3	Pentadecane, 2-methyl- (CAS) $$ ...	226	C16H34	001560-93-6	4
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	4





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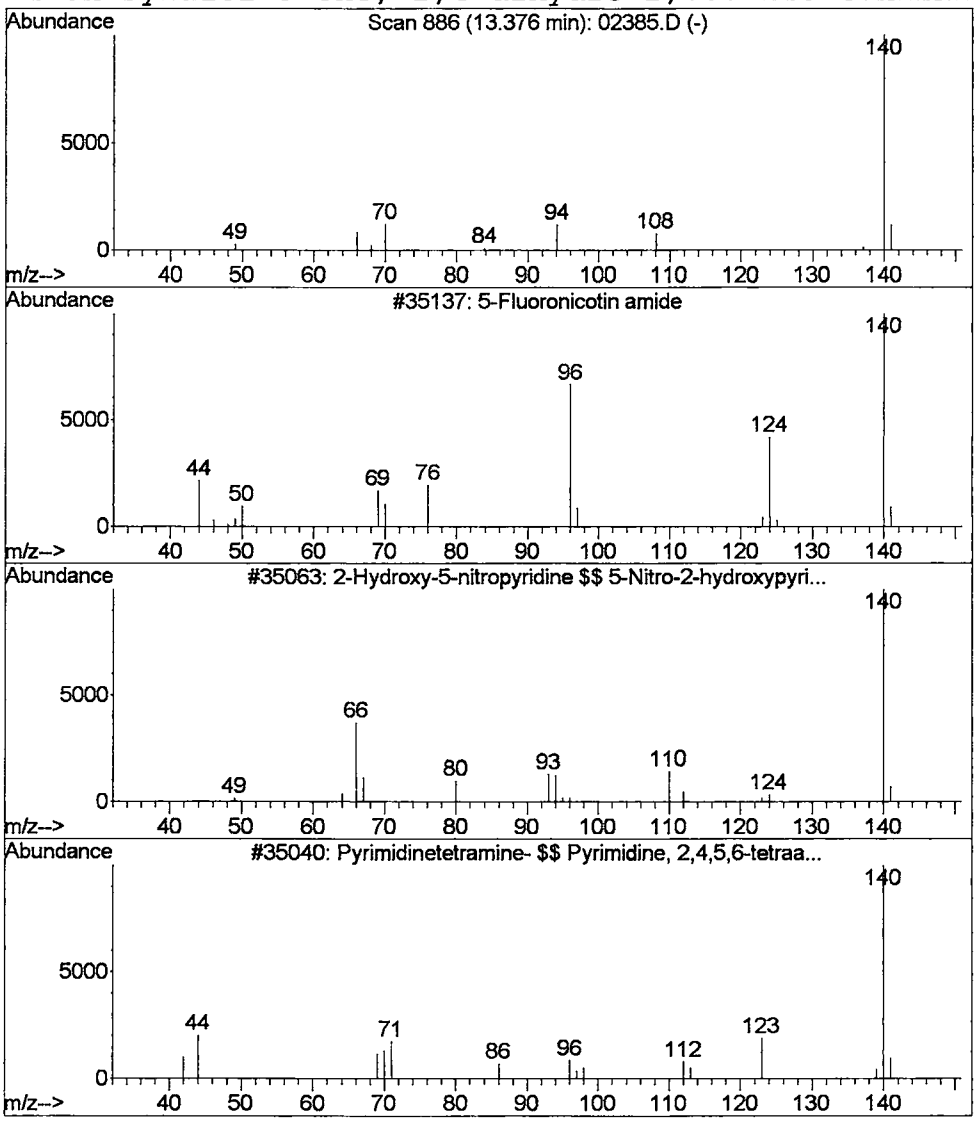
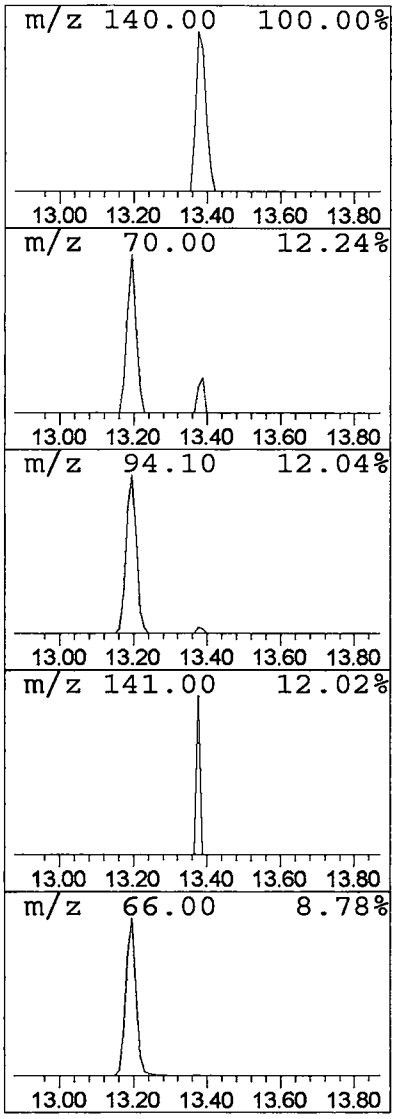
****

Peak Number 11 5-Fluoronicotin amide Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.07 ug/L	43901	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoronicotin amide	140	C6H5FN2O	000000-00-0	50
2	2-Hydroxy-5-nitropyridine $$ 5-N...	140	C5H4N2O3	005418-51-9	39
3	Pyrimidinetetramine- $$ Pyrimidi...	140	C4H8N6	001004-74-6	9
4	3H-Pyrazol-3-one, 2,4-dihydro-2,...	140	C7H12N2O	003201-25-0	9





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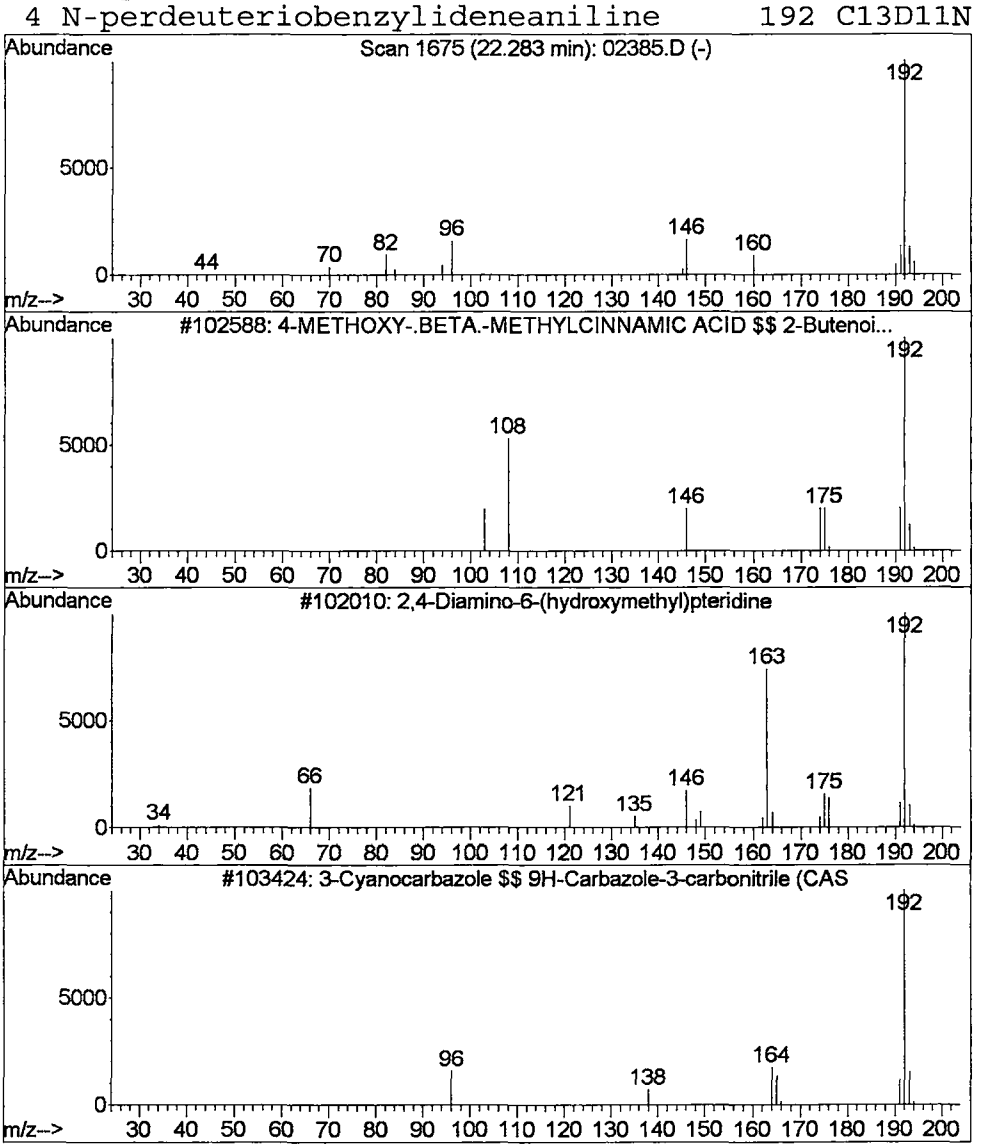
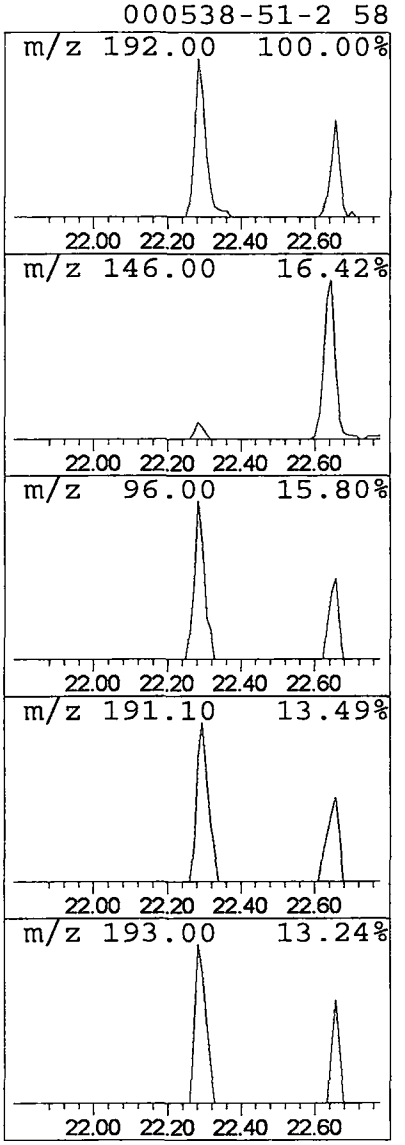
****

Peak Number 12 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.12 ug/L	89212	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	64
3	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
4	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58





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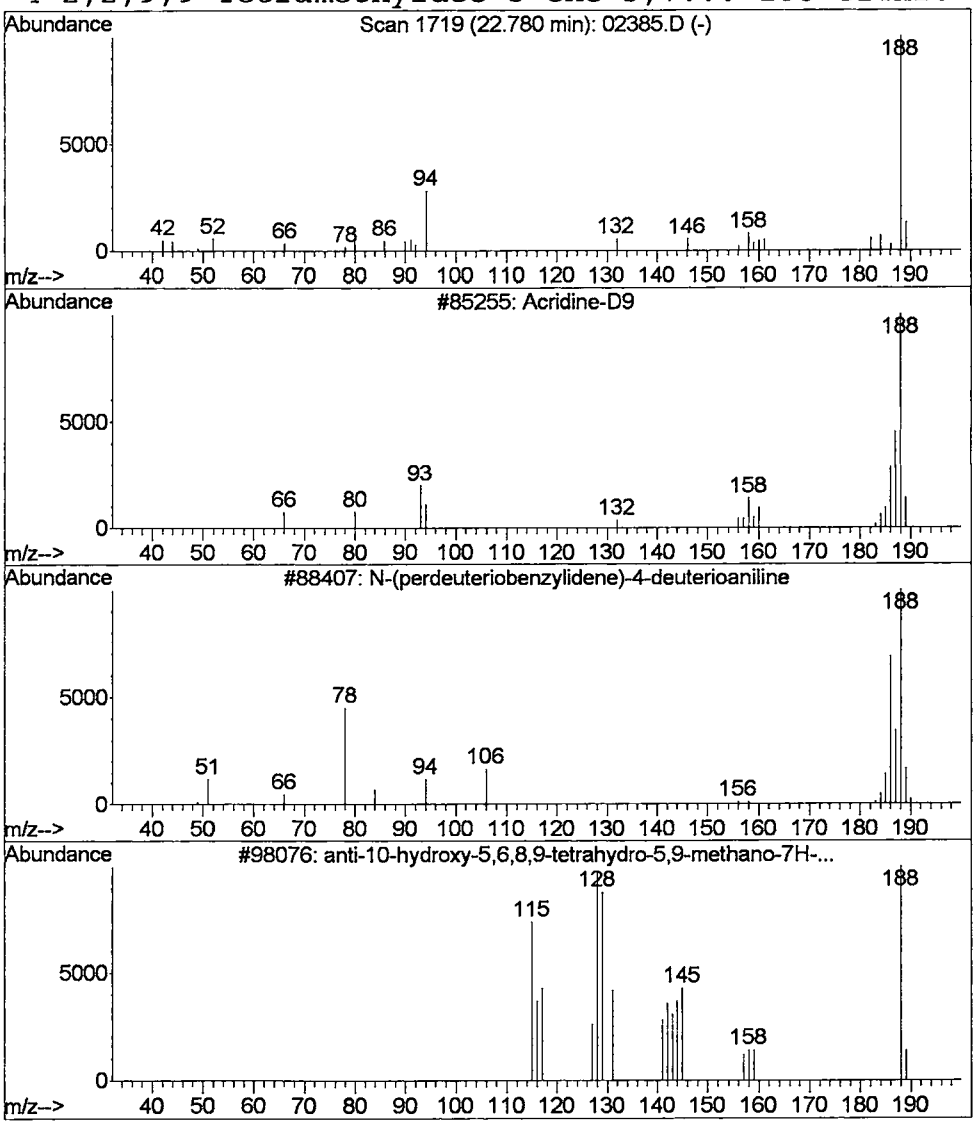
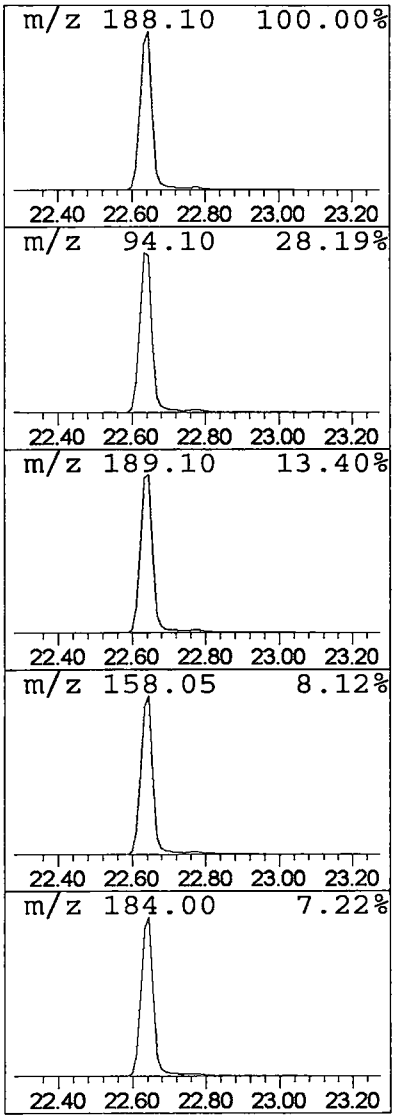
****

Peak Number 13 Acridine-D9 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.78	0.63 ug/L	467329	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine-D9	188	C13D9N	000000-00-0	64
2	N-(perdeuteriobenzylidene)-4-deu...	188	C13H4D7N	000538-51-2	53
3	anti-10-hydroxy-5,6,8,9-tetrahyd...	188	C12H12O2	055139-53-2	50
4	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	47





Tentatively Identified Compound (LSC) summary

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Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Butanoic acid, me...	3.62	0.2	ug/L	71814	1	9.72	9240750	20.0
Propane, 1,1-dime...	3.93	0.1	ug/L	38460	1	9.72	9240750	20.0
2,2-dimethoxybutane	4.24	0.6	ug/L	265234	1	9.72	9240750	20.0
1,3,5-Cycloheptat...	4.38	0.1	ug/L	50459	1	9.72	9240750	20.0
Butanoic acid, 2-...	4.64	0.1	ug/L	35474	1	9.72	9240750	20.0
2,3,4,5-Tetrahydr...	4.89	0.1	ug/L	35905	1	9.72	9240750	20.0
3-Buten-2-ol, 2-m...	5.02	0.1	ug/L	33194	1	9.72	9240750	20.0
Acetic acid, 3-[1...	5.94	0.4	ug/L	182786	1	9.72	9240750	20.0
Benzene, ethyl- (...	6.58	0.1	ug/L	35383	1	9.72	9240750	20.0
Pentane, 2-methyl...	9.45	0.0	ug/L	20174	1	9.72	9240750	20.0
5-Fluoronicotin a...	13.38	0.1	ug/L	43901	2	13.20	13311000	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	89212	4	22.64	14850700	20.0
Acridine-D9	22.78	0.6	ug/L	467329	4	22.64	14850700	20.0

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 12:09:10

Sample: AE02386
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 12:08 Ended: 3/7/02 12:08 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		102		5.0

Comments for Sample AE02386 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 12:09:12

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoverie for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 2 were below.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:50 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

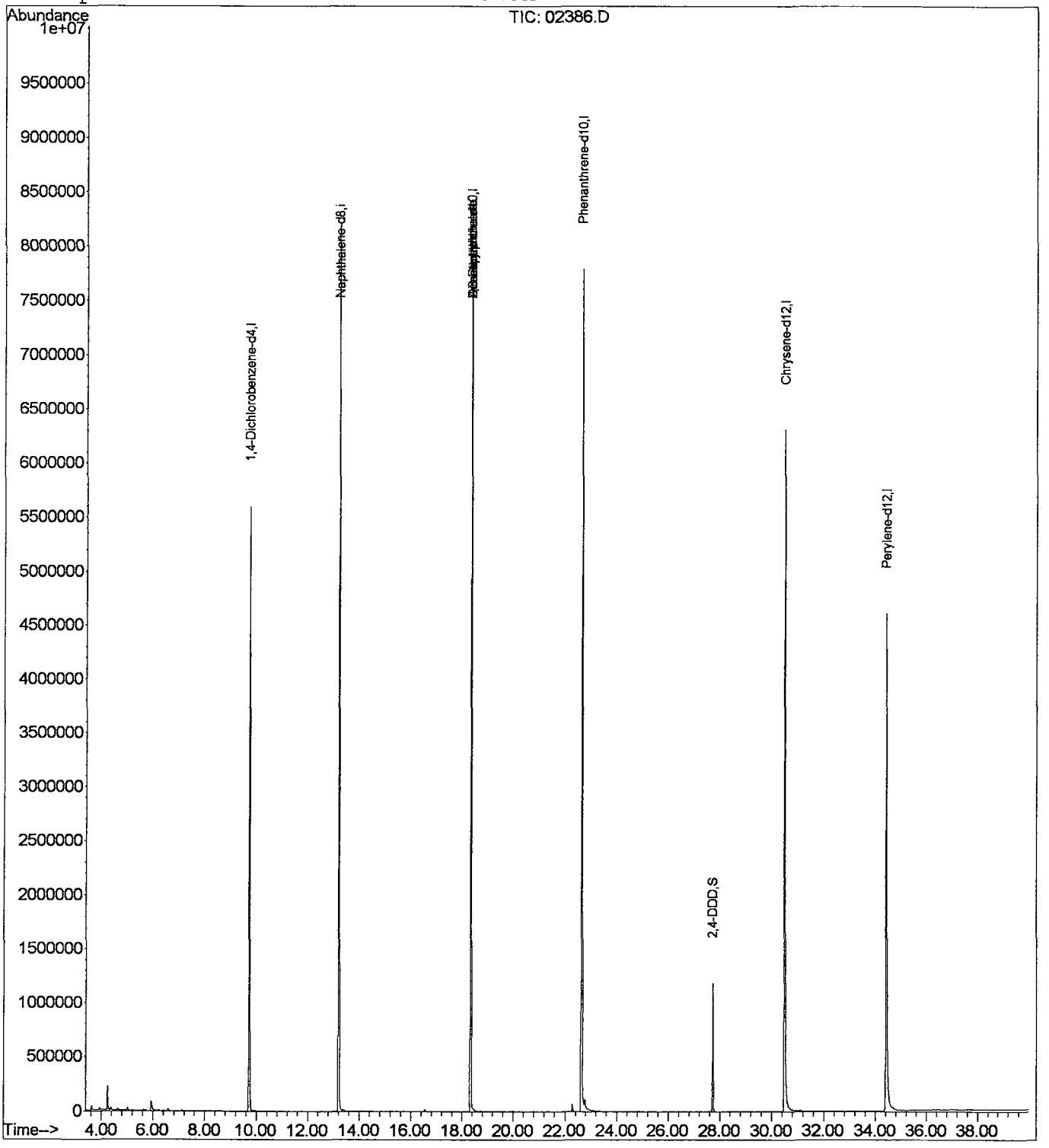
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1937129	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	8410043	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	4203438	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	6705339	20.00	ug/L	0.00
38) Chrysene-d12	30.50	240	5364625	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	3659931	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	456696	5.11	ug/L	0.00
Spiked Amount 5.000			Recovery = 102.20%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	681378	2.67	ug/L #	58
21) 2,6-Dinitrotoluene	18.34	165	531081	9.02	ug/L #	27

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

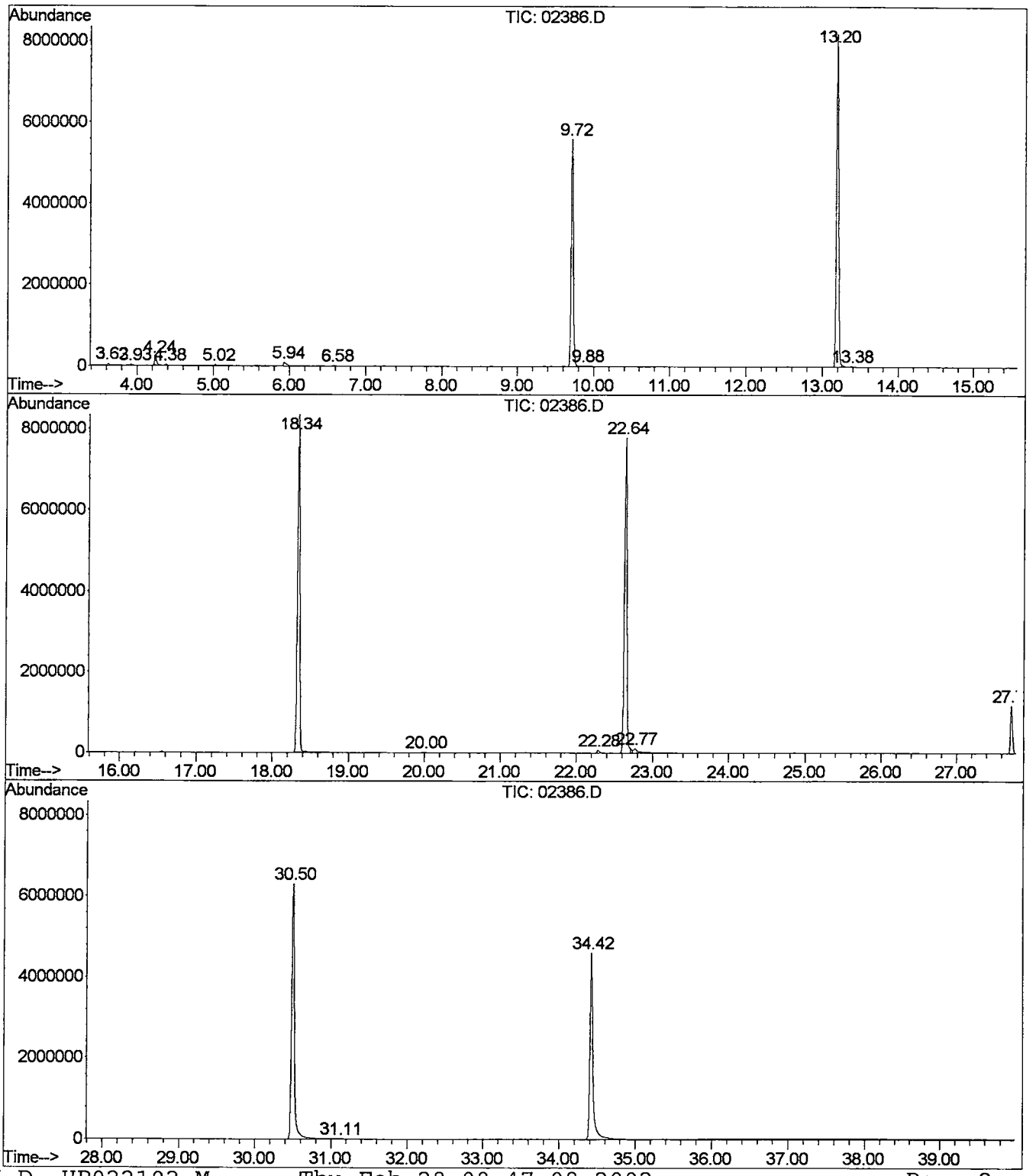
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.622	17	22	25	rBV	40108	66914	0.38%	0.071%
2	3.927	45	49	53	rVB	23348	41050	0.23%	0.044%
3	4.243	73	77	87	rBV	214934	385783	2.18%	0.411%
4	4.378	87	89	93	rVB	23689	38993	0.22%	0.042%
5	5.022	143	146	151	rVB2	24754	38374	0.22%	0.041%
6	5.936	225	227	239	rBV	88088	248146	1.40%	0.265%
7	6.580	281	284	289	rVB	18161	34081	0.19%	0.036%
8	9.718	557	562	567	rBV	5592091	10877669	61.46%	11.600%
9	9.876	573	576	593	rVB2	9849	51458	0.29%	0.055%
10	13.195	865	870	875	rBV	8169408	15976417	90.26%	17.038%
11	13.376	883	886	895	rVB2	16423	48593	0.27%	0.052%
12	18.343	1321	1326	1331	rBV	8346655	17045661	96.31%	18.178%
13	20.002	1467	1473	1483	rVV2	11107	39092	0.22%	0.042%
14	22.283	1671	1675	1681	rBV2	65976	127217	0.72%	0.136%
15	22.644	1701	1707	1713	rBV2	7785062	17699485	100.00%	18.875%
16	22.768	1715	1718	1747	rVB2	105630	507149	2.87%	0.541%
17	27.724	2153	2157	2163	rBV	1182751	2197857	12.42%	2.344%
18	30.501	2397	2403	2439	rBV	6305496	16015553	90.49%	17.080%
19	31.111	2453	2457	2465	rVB	17502	47649	0.27%	0.051%
20	34.418	2745	2750	2795	rVB	4593874	12283320	69.40%	13.099%

Sum of corrected areas: 93770461

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB27\02386.D
Operator :
Acquired : 27 Feb 2002 4:07 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 27, 2002
Vial Number: 2
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

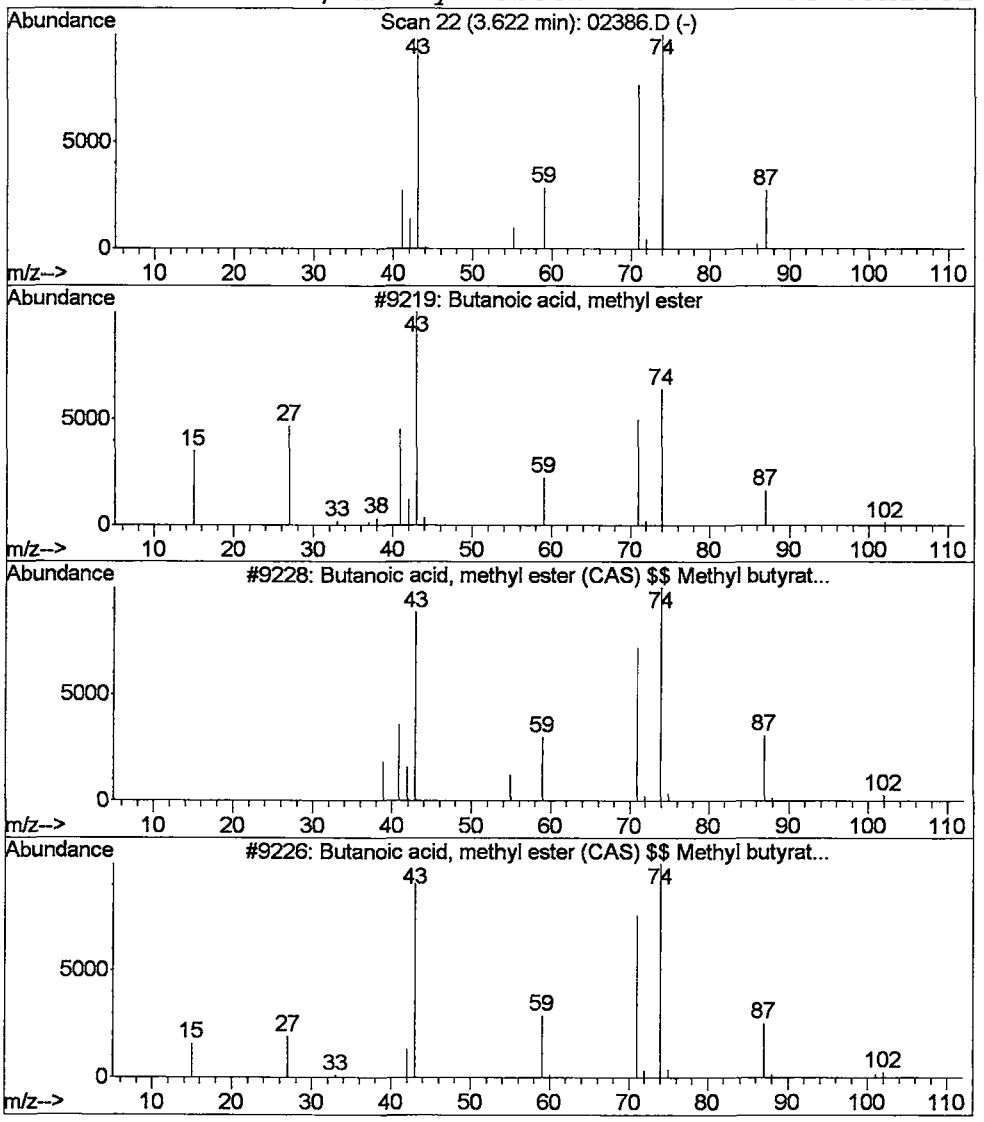
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

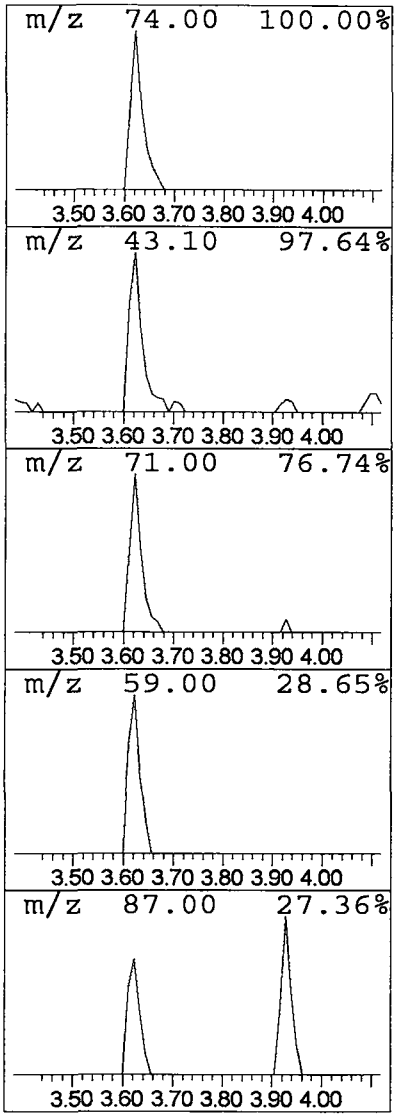
****

Peak Number 1 Butanoic acid, methyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.12 ug/L	66914	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

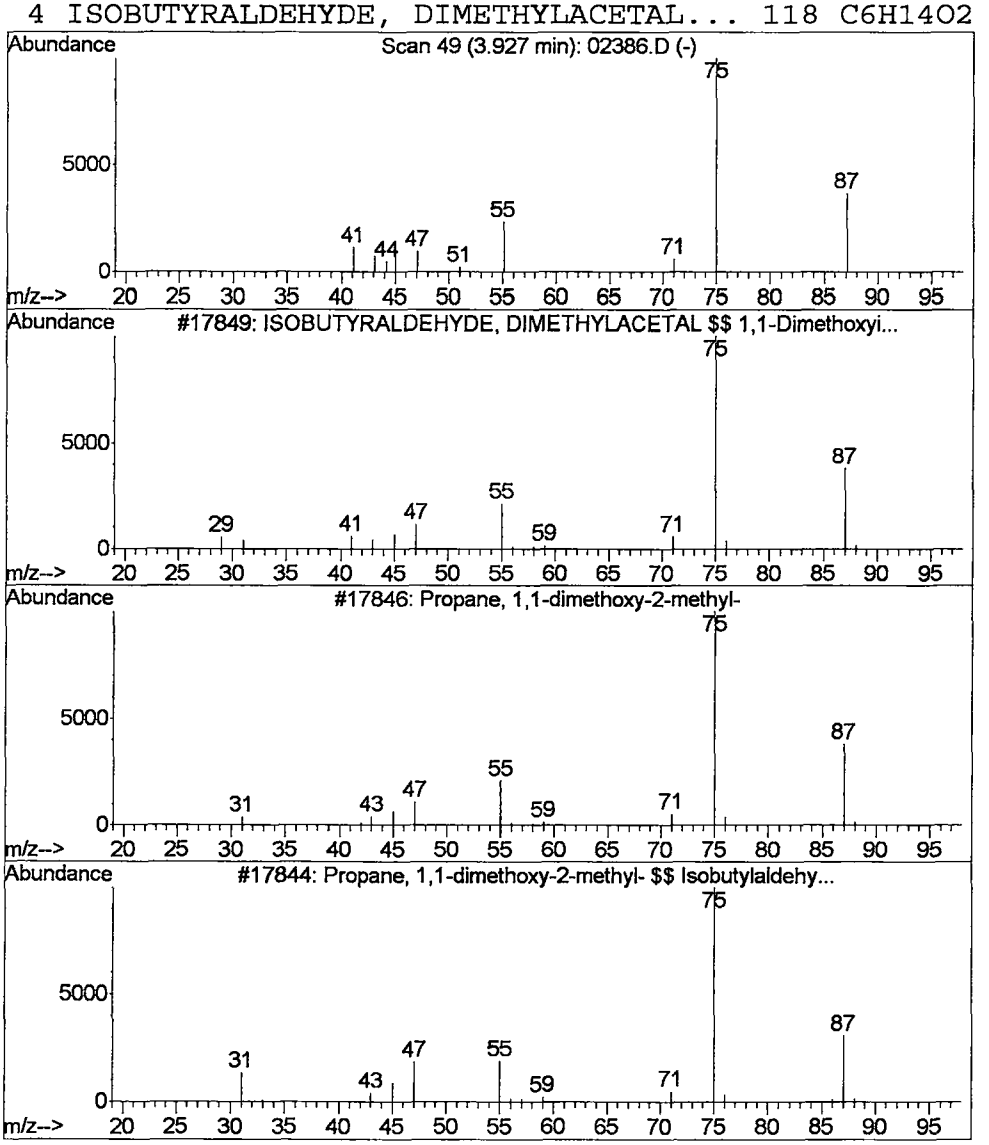
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

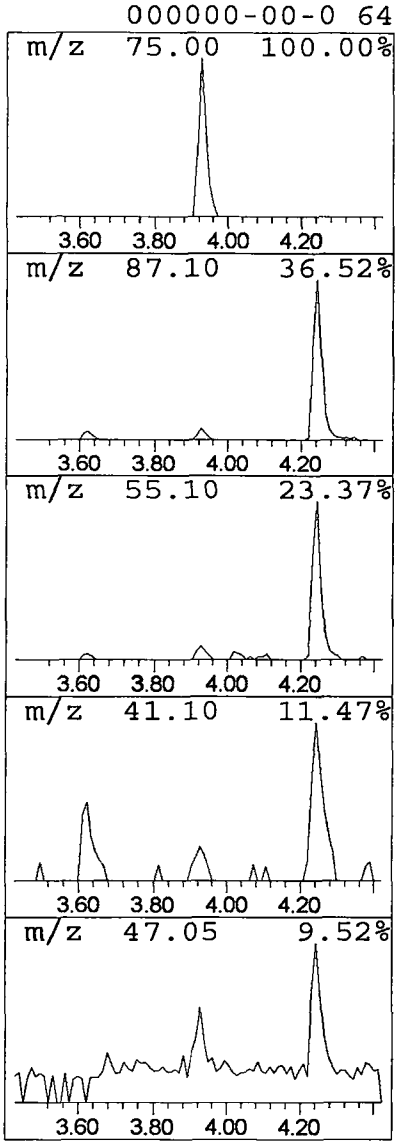
****

Peak Number 2 ISOBUTYRALDEHYDE, DIMETHYLA... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.08 ug/L	41050	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
2	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	83
3	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	64
4	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

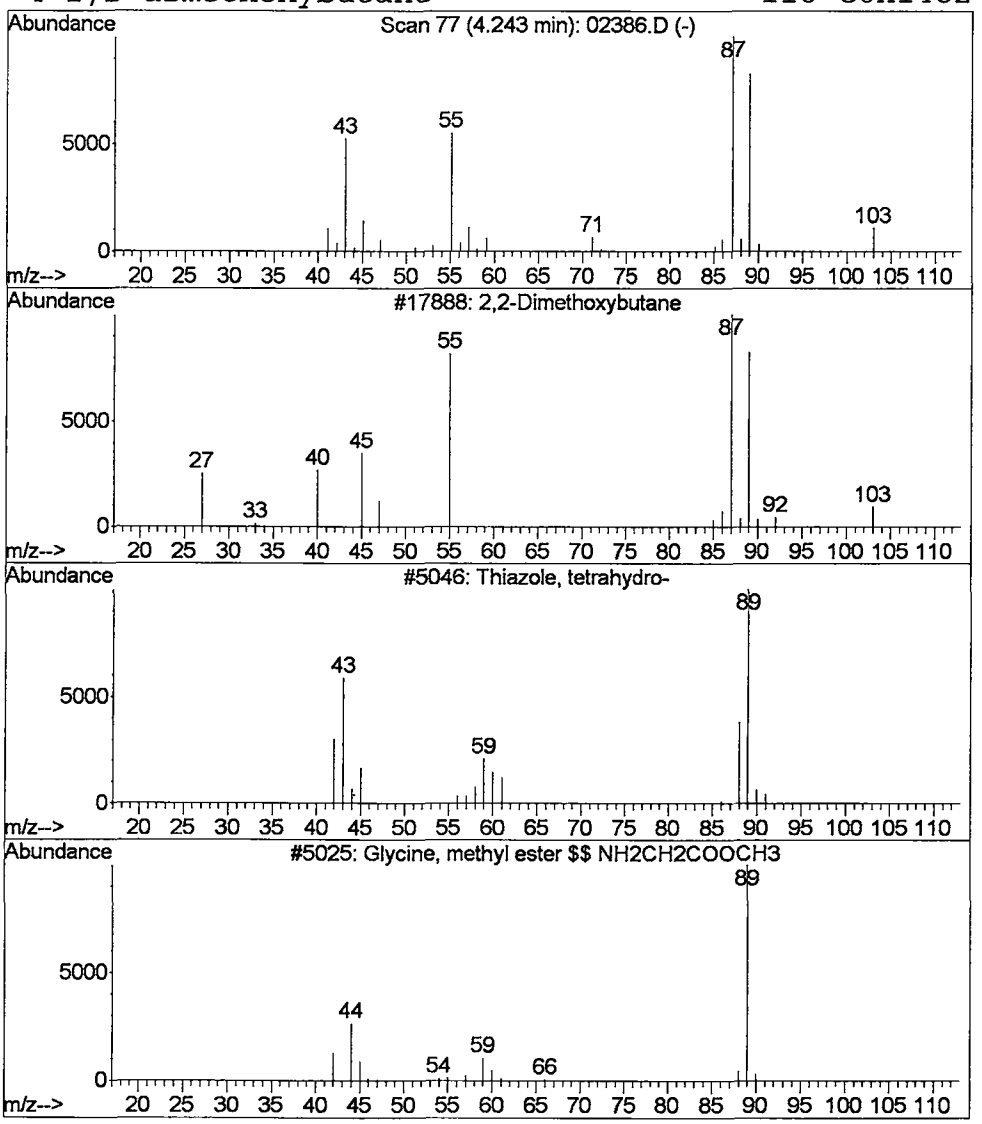
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

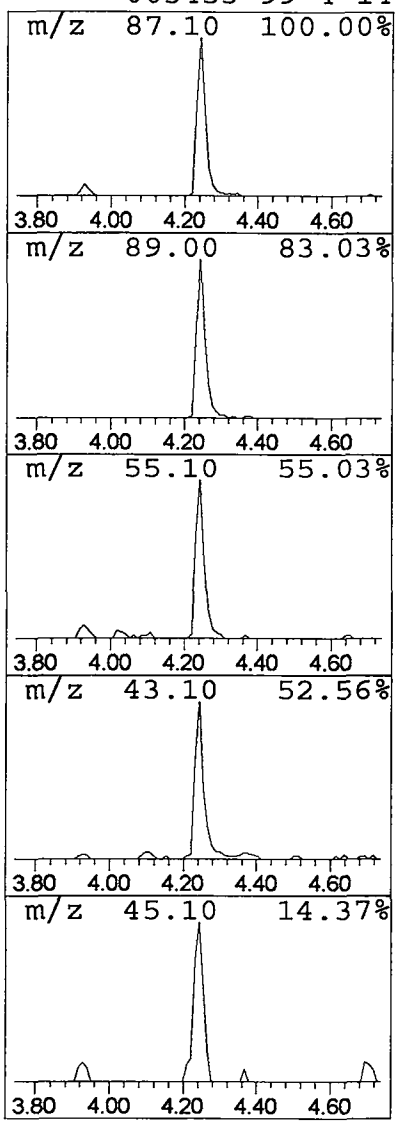
****

Peak Number 3 2,2-Dimethoxybutane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.71 ug/L	385783	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	74
2	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	36
3	Glycine, methyl ester $$ NH2CH2C...	89	C3H7NO2	000616-34-2	36
4	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	14





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

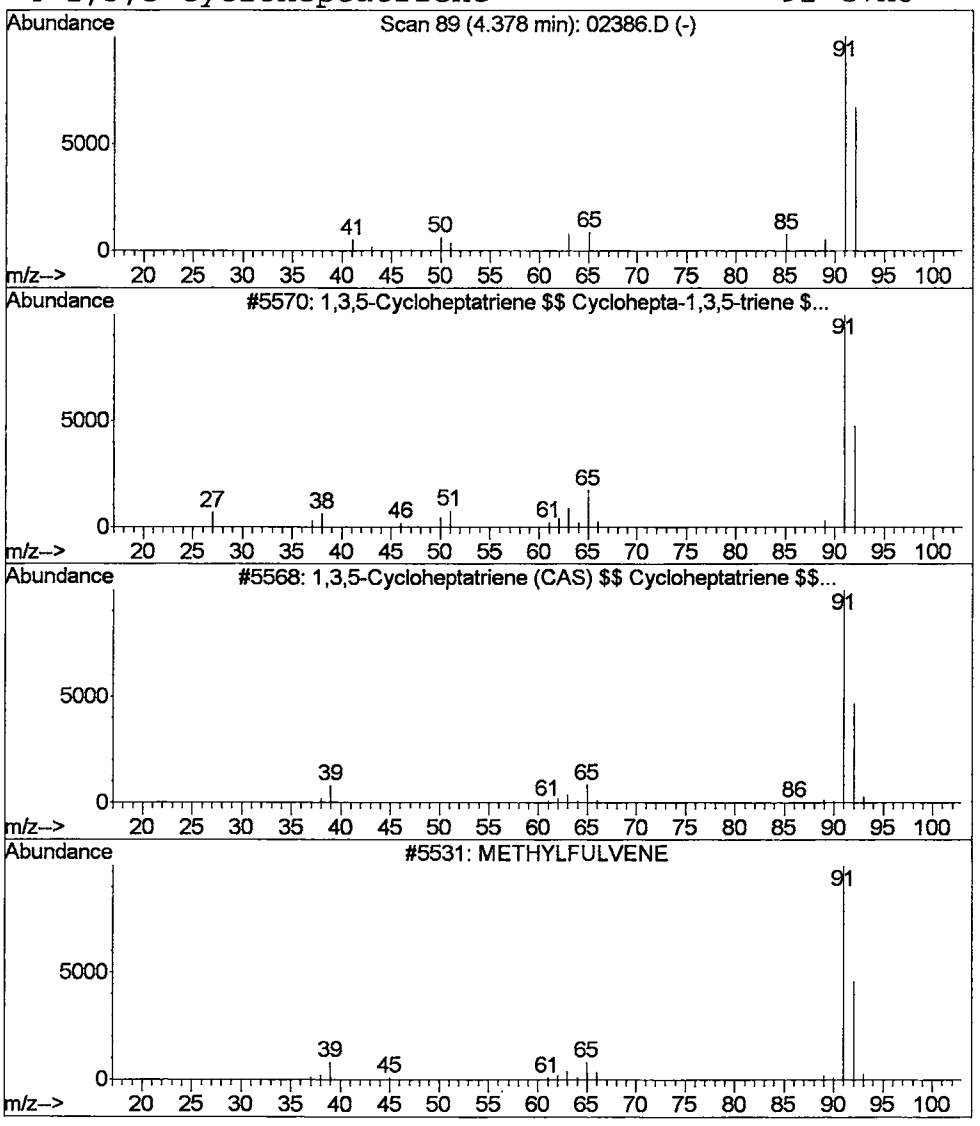
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

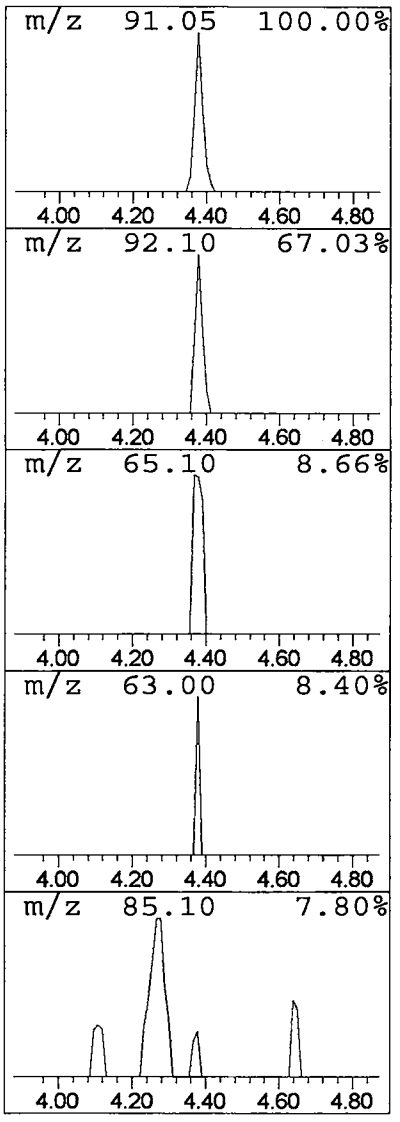
****

Peak Number 4 1,3,5-Cycloheptatriene $$ C... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	0.07 ug/L	38993	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene $$ Cycloh...	92	C7H8	000544-25-2	64
2	1,3,5-Cycloheptatriene (CAS) $$ ...	92	C7H8	000544-25-2	9
3	METHYLFULVENE	92	C7H8	000000-00-0	9
4	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

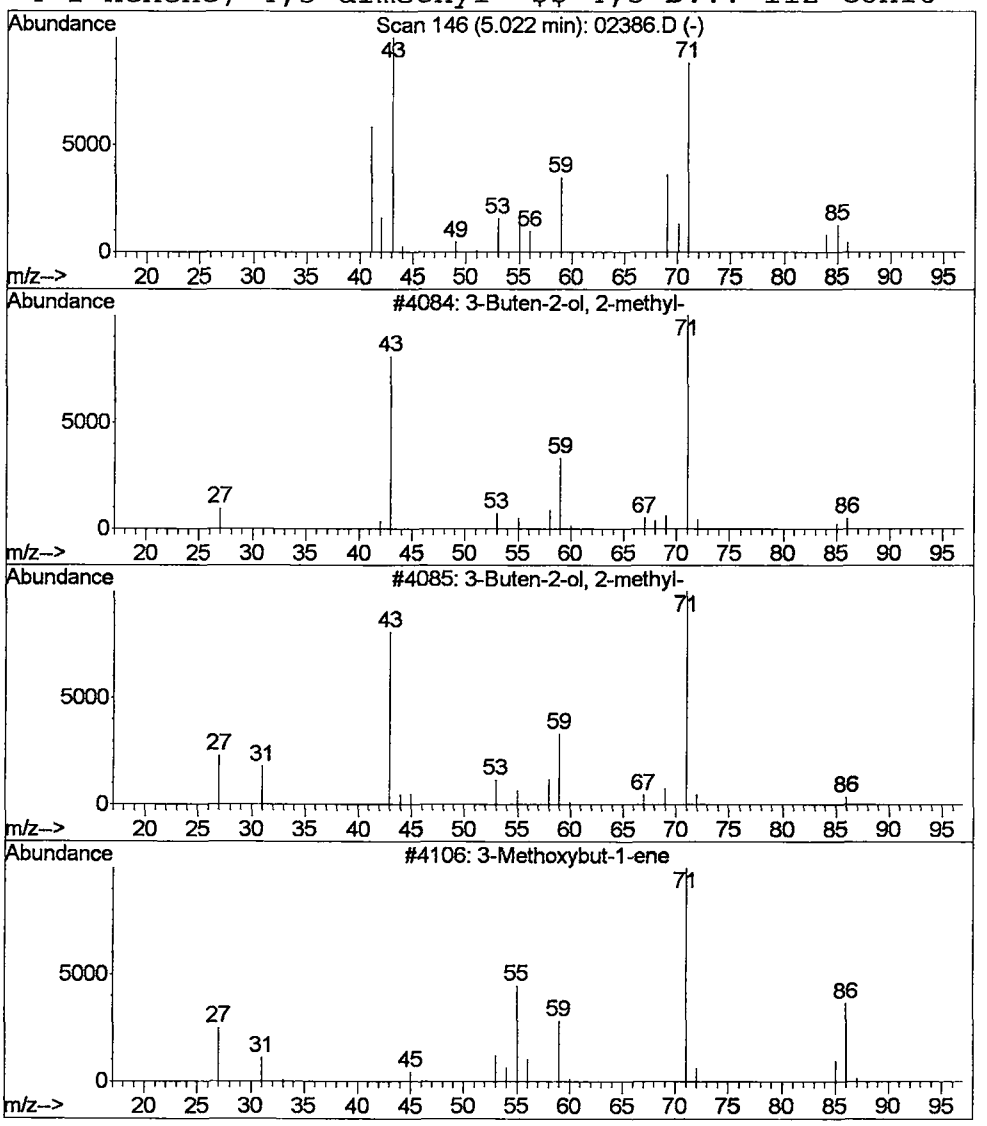
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

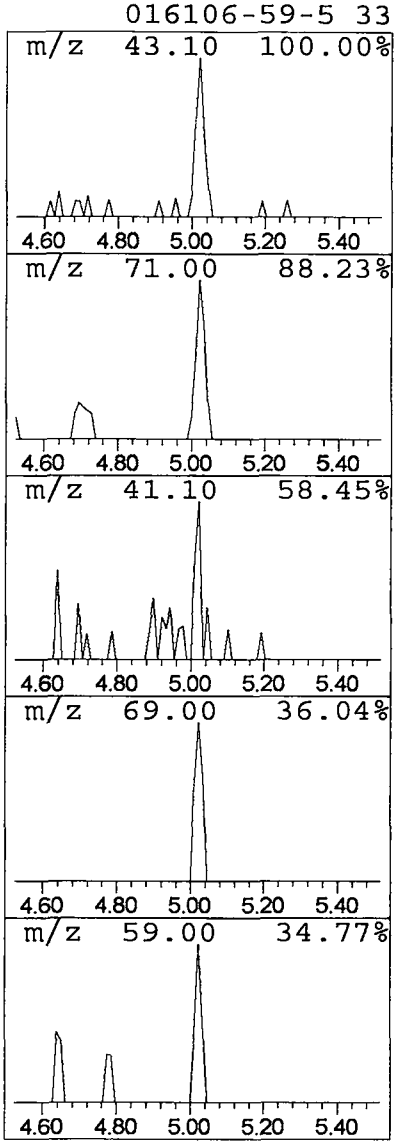
****

Peak Number 5 3-Buten-2-ol, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.07 ug/L	38374	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	45
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	45
3	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	38
4	1-Hexene, 4,5-dimethyl- $$ 4,5-D...	112	C8H16	016106-59-5	33





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

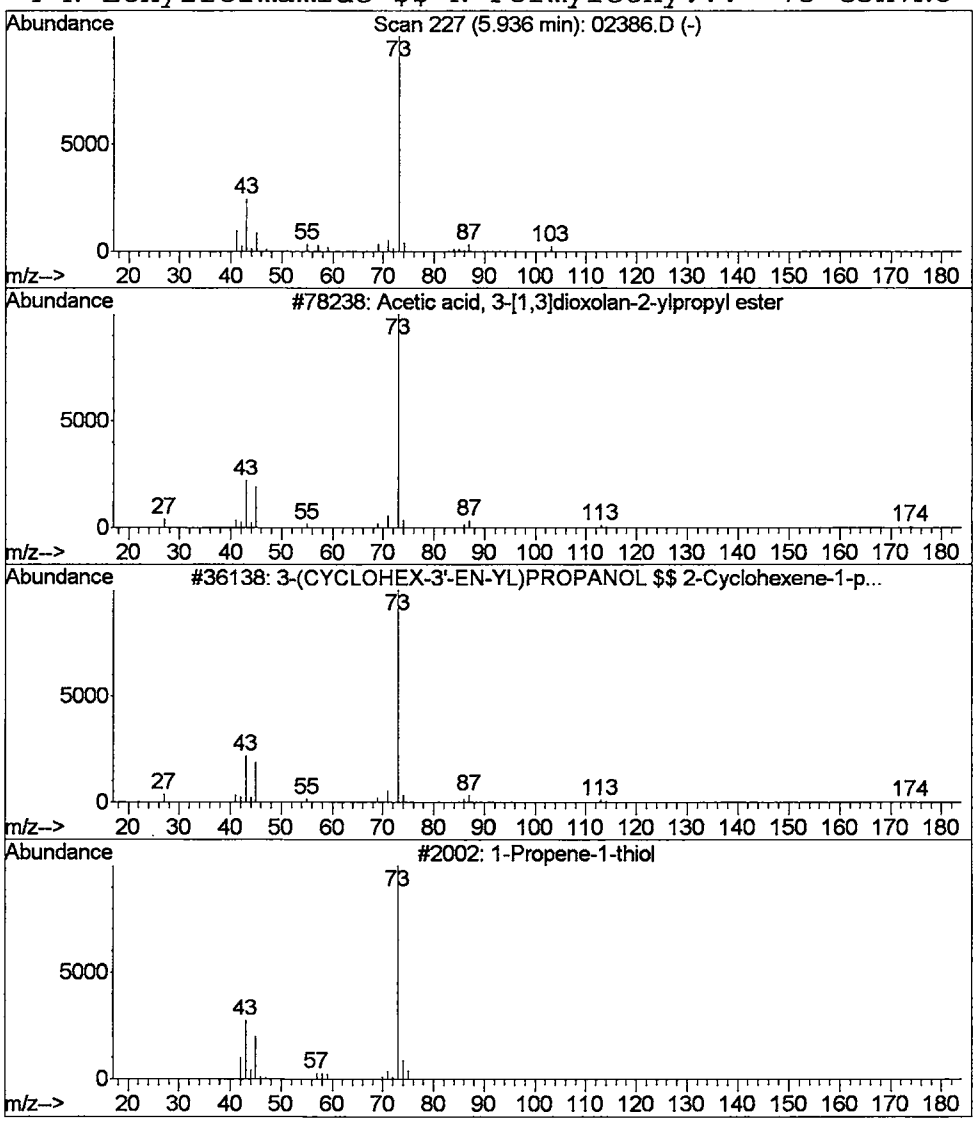
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

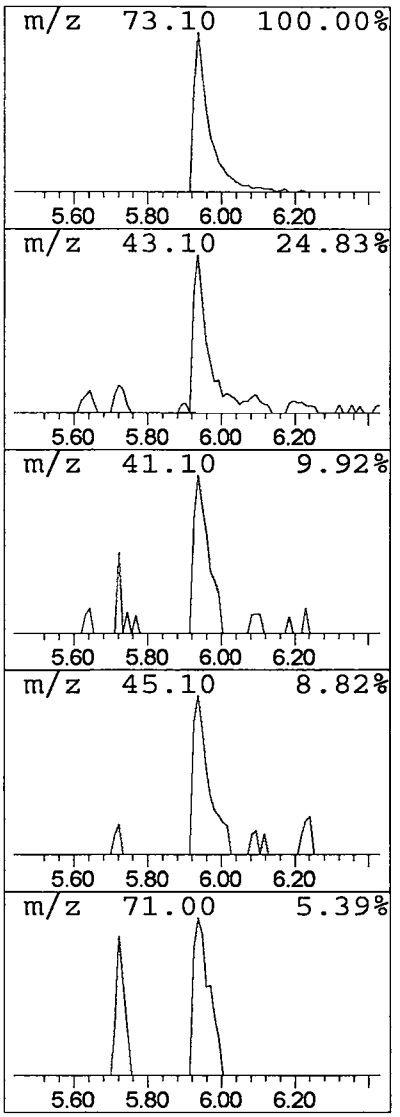
****

Peak Number 6 Acetic acid, 3-[1,3]dioxola... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	0.46 ug/L	248146	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	38
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	38
3	1-Propene-1-thiol	74	C3H6S	000925-89-3	28
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

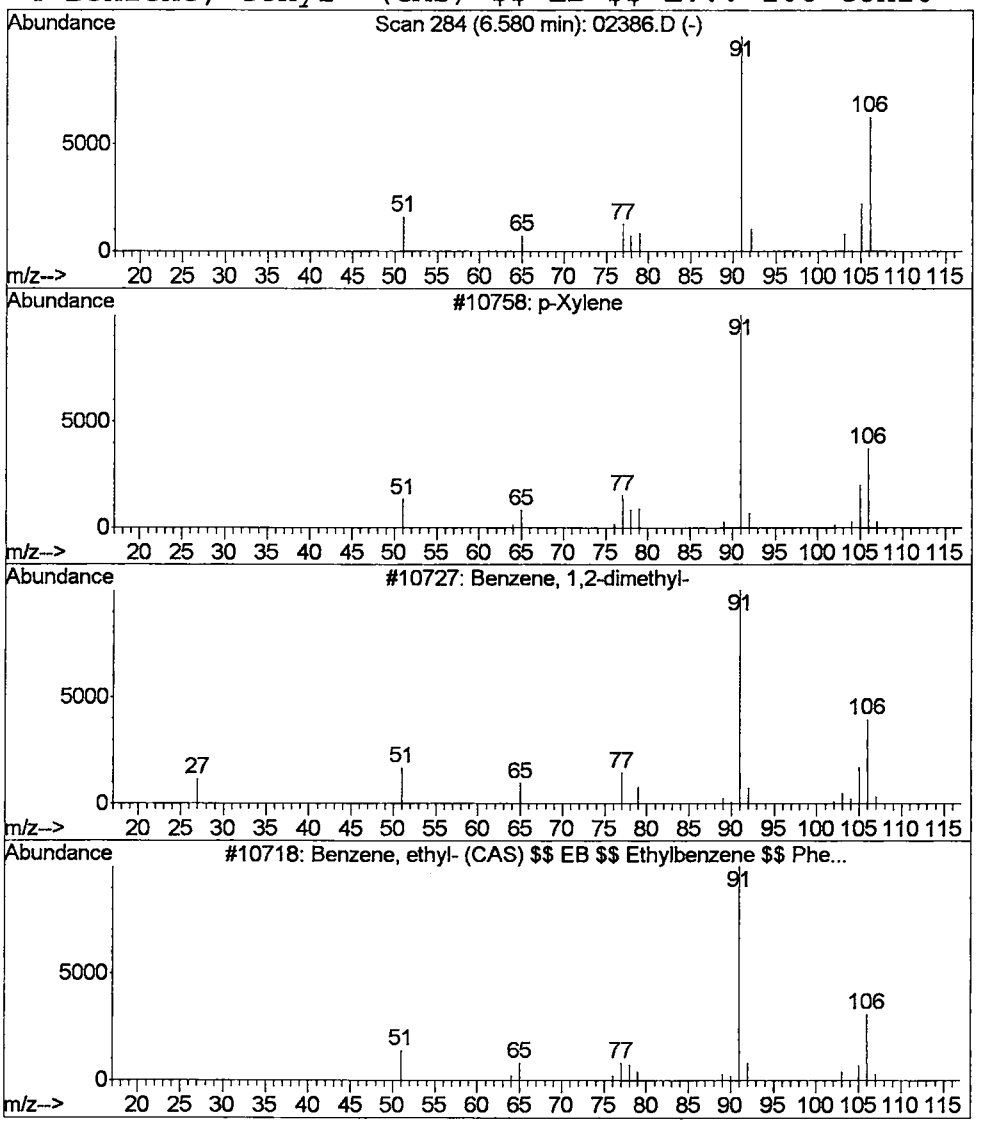
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

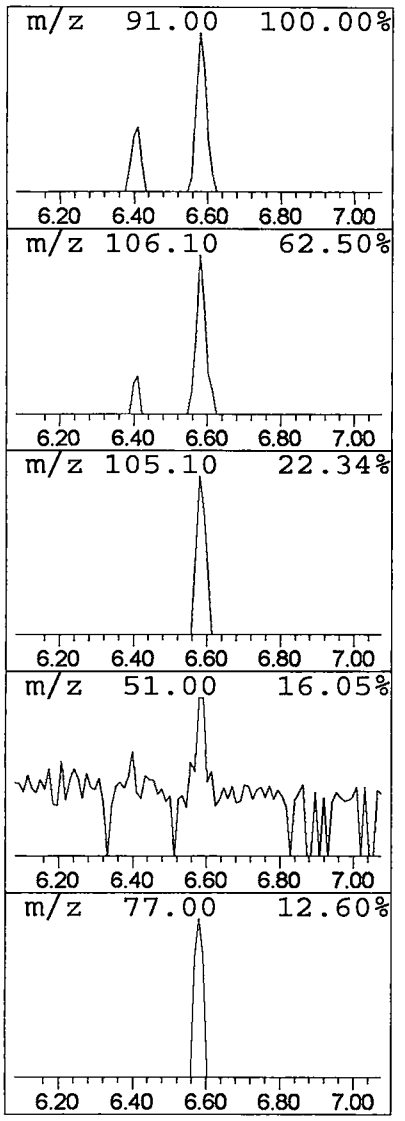
****

Peak Number 7 p-Xylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	0.06 ug/L	34081	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	83
2	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	83
3	Benzene, ethyl- (CAS) $$ EB $$ E...	106	C8H10	000100-41-4	80
4	Benzene, ethyl- (CAS) $$ EB $$ E...	106	C8H10	000100-41-4	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

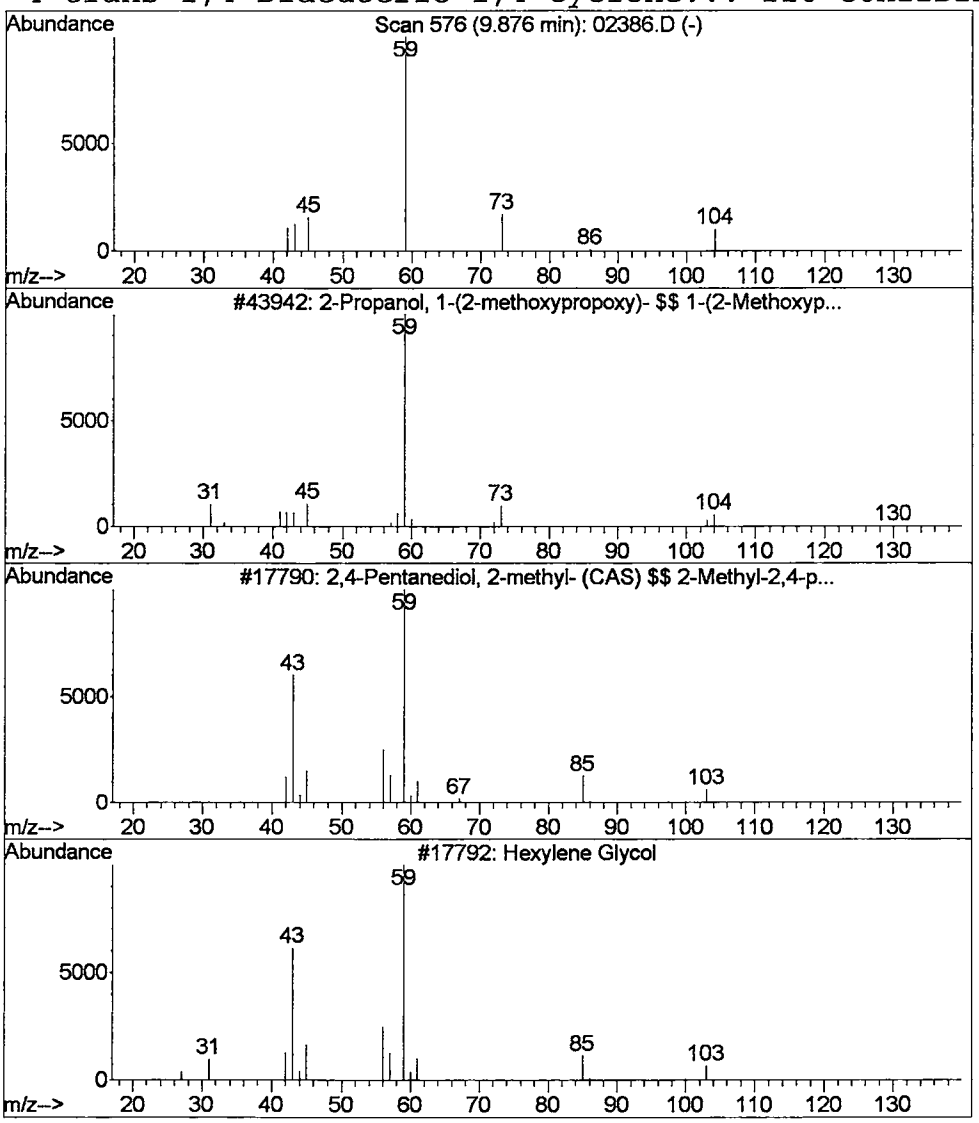
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

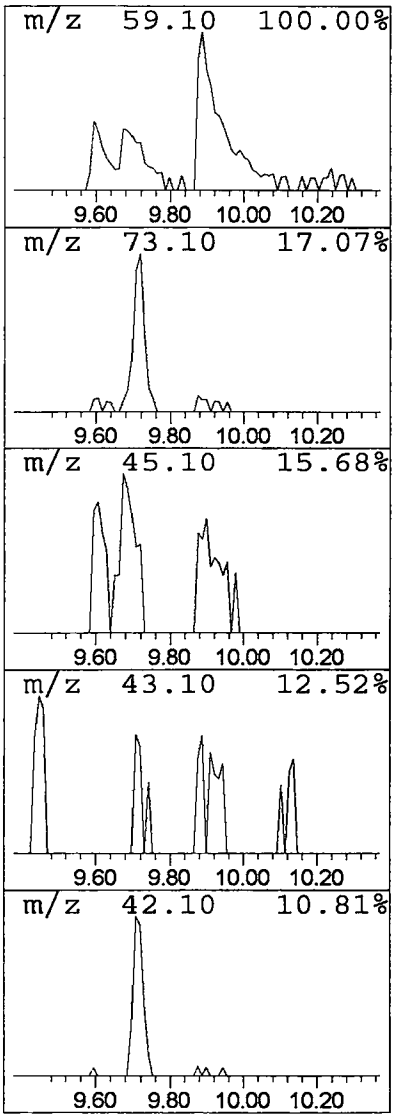
****

Peak Number 8 2-Propanol, 1-(2-methoxypro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	0.09 ug/L	51458	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	9
2	2,4-Pentanediol, 2-methyl- (CAS)...	118	C6H14O2	000107-41-5	4
3	Hexylene Glycol	118	C6H14O2	000107-41-5	4
4	trans-1,4-Dideuterio-1,4-cyclohe...	116	C6H12D2N2	070795-44-7	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

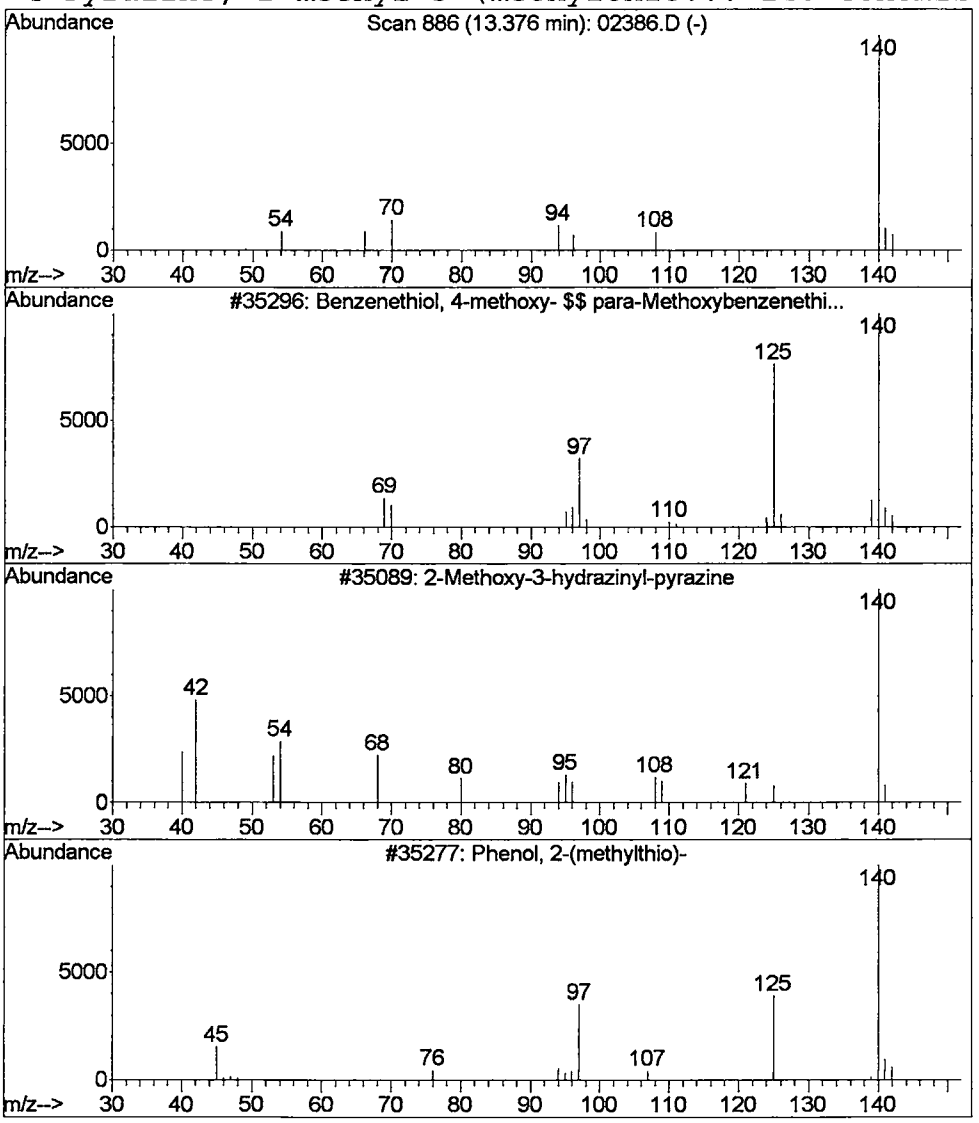
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

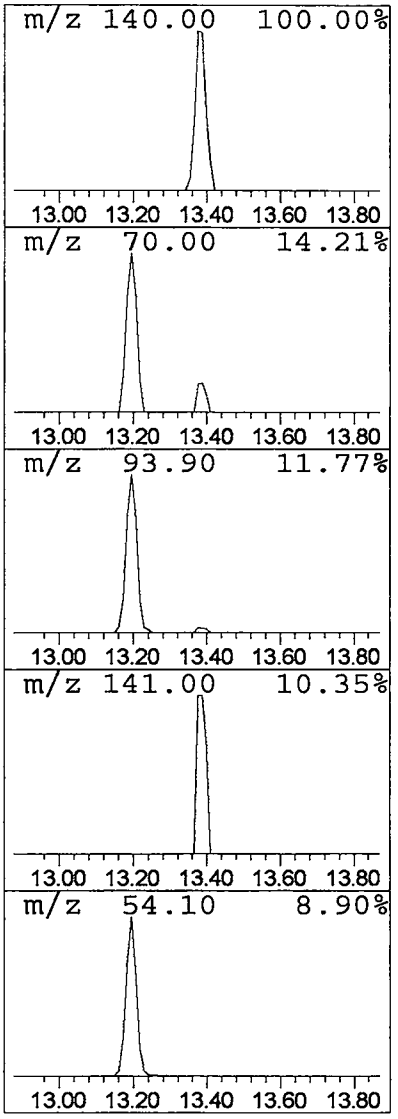
****

Peak Number 9 Benzenethiol, 4-methoxy- $$... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.06 ug/L	48593	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenethiol, 4-methoxy- $$ para...	140	C7H8OS	000696-63-9	72
2	2-Methoxy-3-hydrazinyl-pyrazine	140	C5H8N4O	000000-00-0	72
3	Phenol, 2-(methylthio)-	140	C7H8OS	001073-29-6	72
4	Pyrazine, 2-methyl-3-(methylthio...	140	C6H8N2S	002882-20-4	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

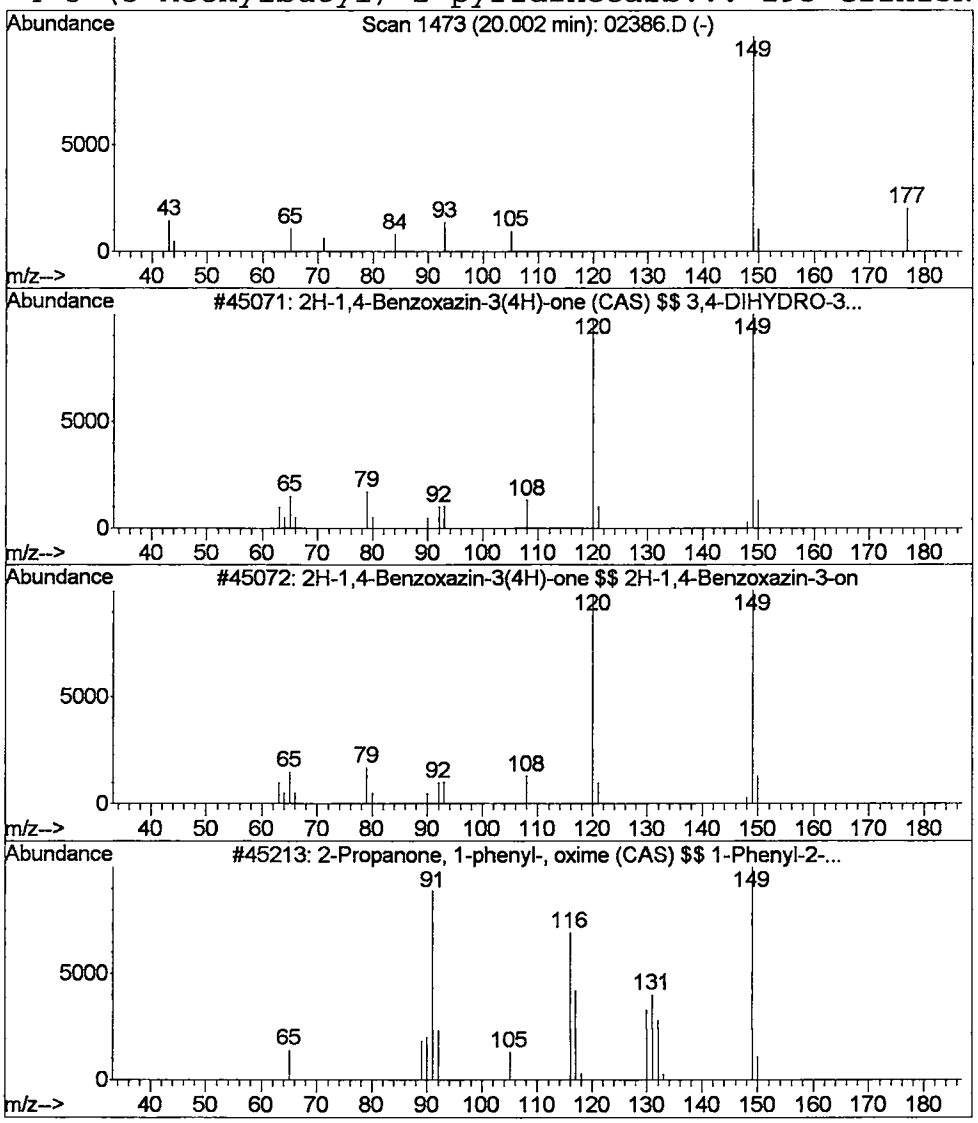
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

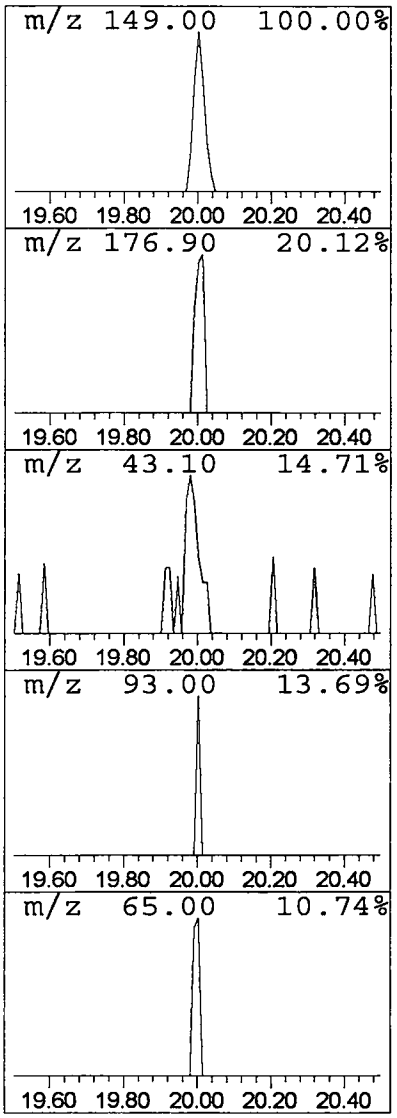
****

Peak Number 10 2H-1,4-Benzoxazin-3(4H)-one... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	0.05 ug/L	39092	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,4-Benzoxazin-3(4H)-one (CAS...	149	C8H7NO2	005466-88-6	45
2	2H-1,4-Benzoxazin-3(4H)-one $$ 2...	149	C8H7NO2	005466-88-6	45
3	2-Propanone, 1-phenyl-, oxime (C...	149	C9H11NO	013213-36-0	45
4	5-(3-Methylbutyl)-2-pyridinecarb...	193	C11H15NO2	049751-50-0	39





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

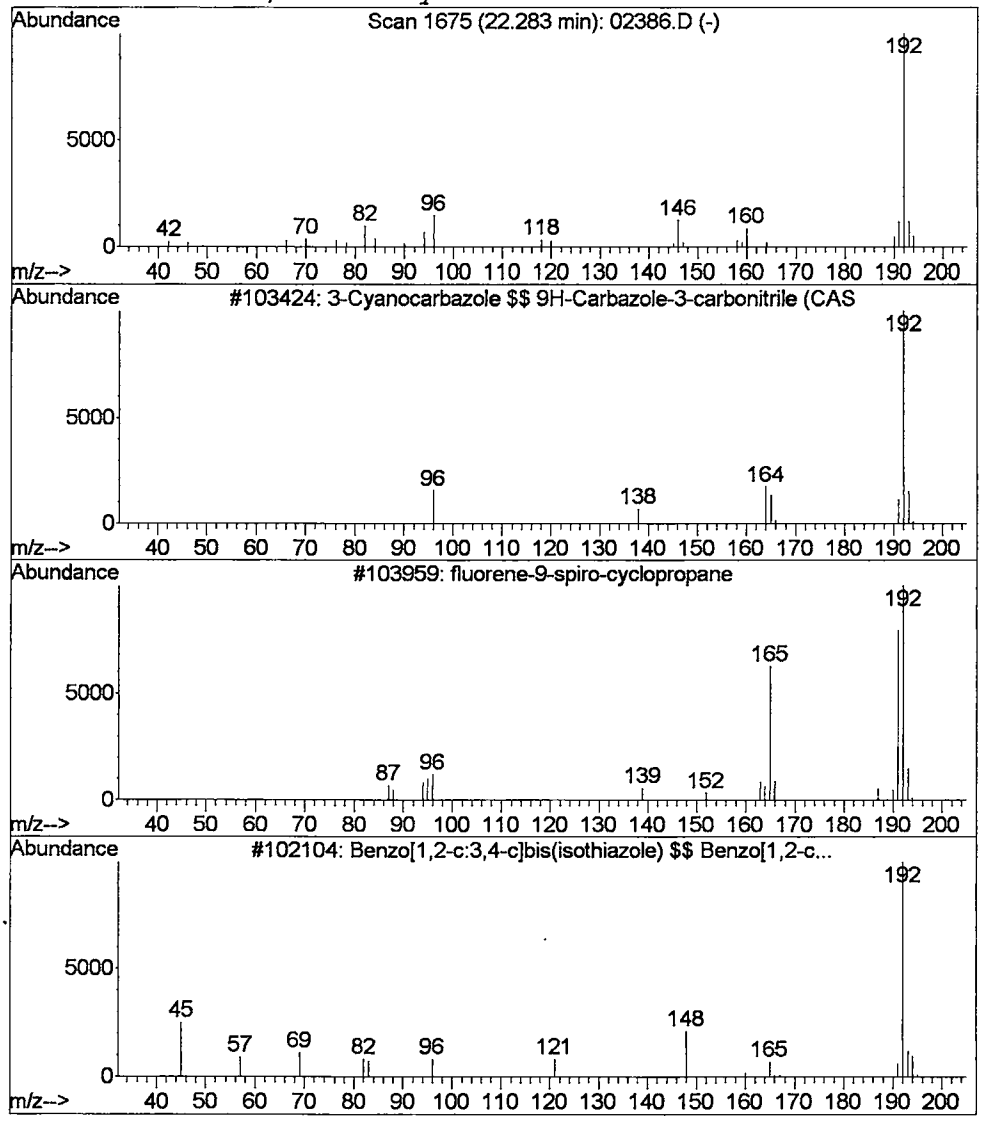
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

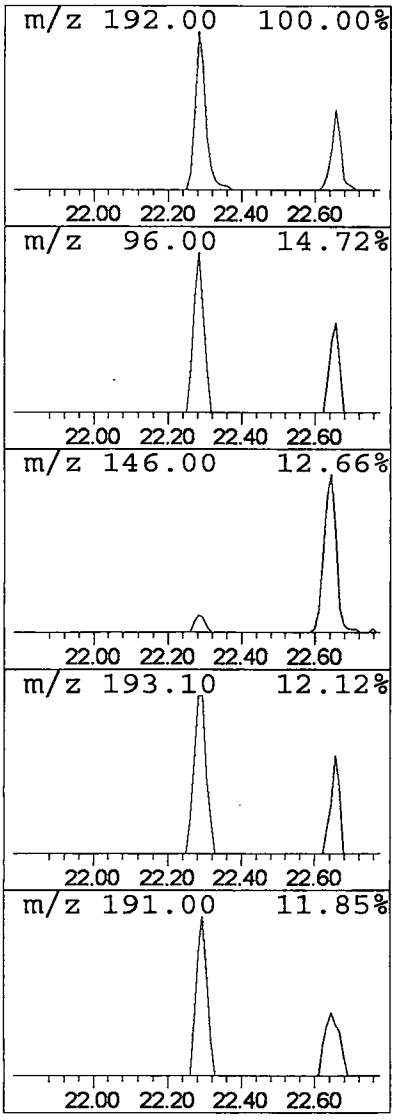
****

Peak Number 11 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	127217	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
2	fluorene-9-spiro-cyclopropane	192	C15H12	000000-00-0	59
3	Benzo[1,2-c:3,4-c]bis(isothiazol...	192	C8H4N2S2	074960-05-7	59
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

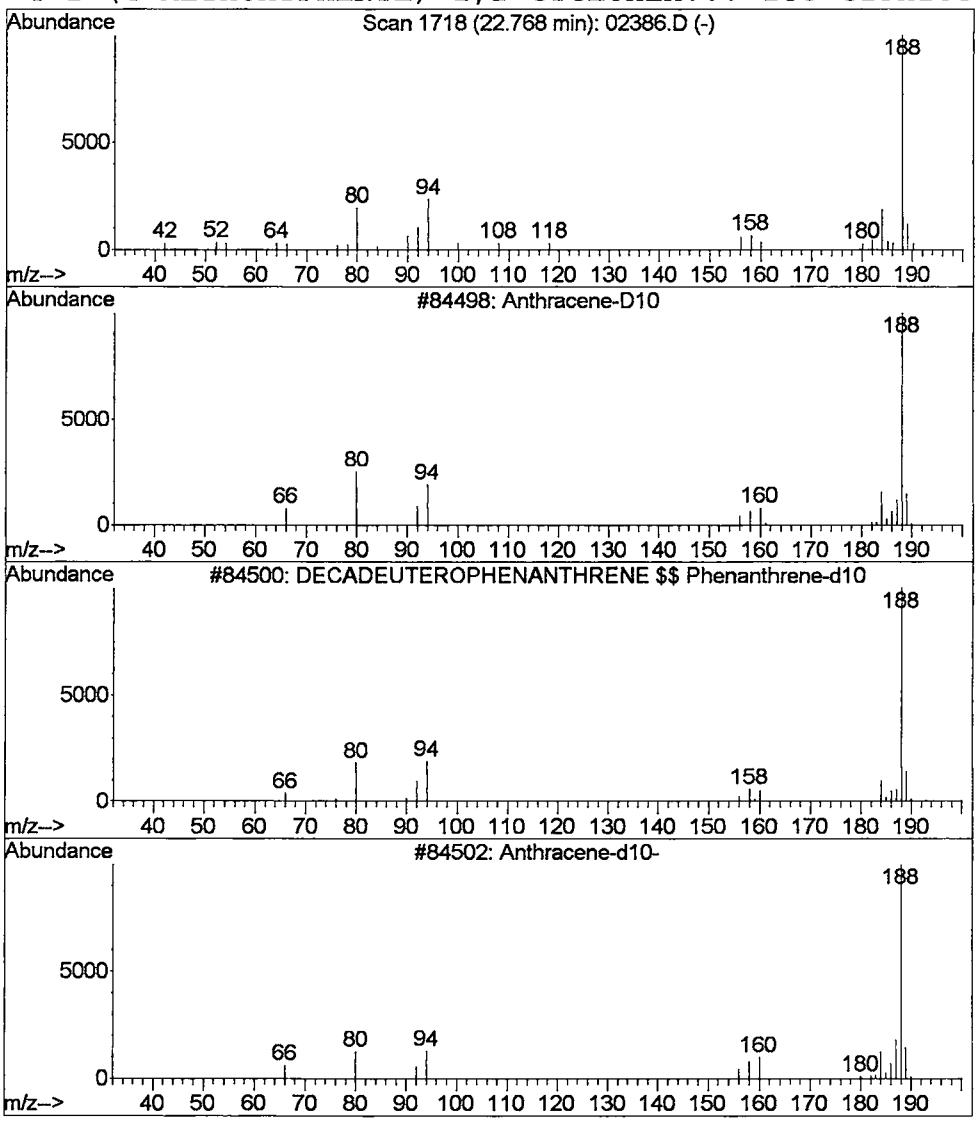
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

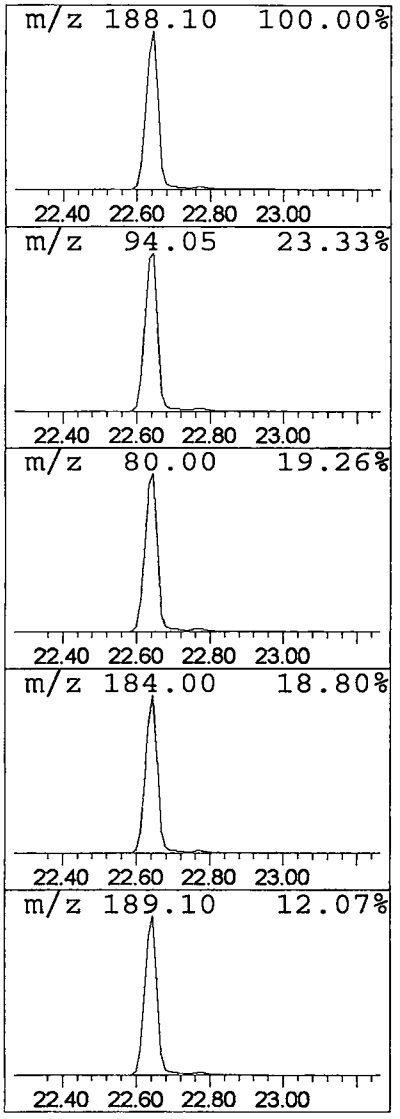
****

Peak Number 12 Anthracene-D10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.57 ug/L	507149	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-D10	188	C14D10	000000-00-0	91
2	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	80
3	Anthracene-d10-	188	C14D10	001719-06-8	74
4	1-(4-METHOXYPHENYL)-1,2-CYCLOHEX...	188	C13H16O	020758-60-5	58





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02386.D Vial: 2
Acq On : 27 Feb 2002 4:07 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

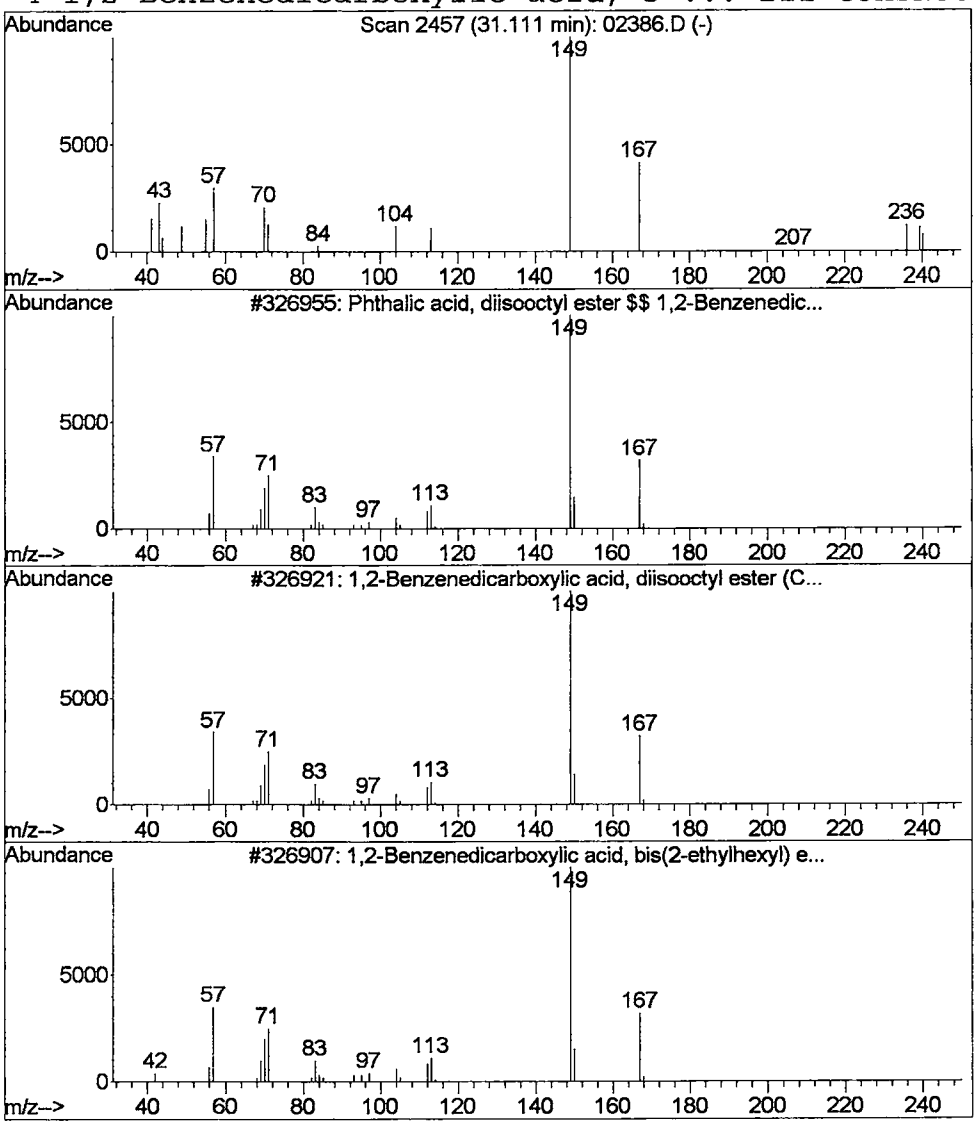
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

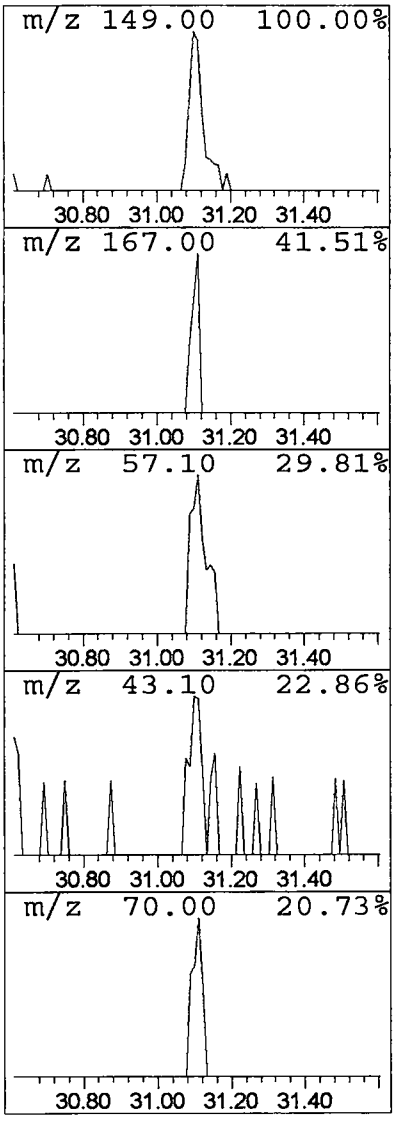
****

Peak Number 13 Phthalic acid, diisooctyl e... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.11	0.06 ug/L	47649	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, diisooctyl ester ...	390	C24H38O4	001330-91-2	45
2	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	45
3	1,2-Benzenedicarboxylic acid, bi...	390	C24H38O4	000117-81-7	45
4	1,2-Benzenedicarboxylic acid, 3-...	211	C8H5NO6	000603-11-2	38





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Feb 2002 4:07 pm
Data File: C:\MSDCHEM\1\5973N\02FEB27\02386.D
Name: 508 scan
Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Butanoic acid, me...	3.62	0.1	ug/L	66914	1	9.72	10877700	20.0
ISOBUTYRALDEHYDE,...	3.93	0.1	ug/L	41050	1	9.72	10877700	20.0
2,2-Dimethoxybutane	4.24	0.7	ug/L	385783	1	9.72	10877700	20.0
1,3,5-Cycloheptat...	4.38	0.1	ug/L	38993	1	9.72	10877700	20.0
3-Buten-2-ol, 2-m...	5.02	0.1	ug/L	38374	1	9.72	10877700	20.0
Acetic acid, 3-[1...	5.94	0.5	ug/L	248146	1	9.72	10877700	20.0
o-Xylene	6.58	0.1	ug/L	34081	1	9.72	10877700	20.0
2-Propanol, 1-(2-...	9.88	0.1	ug/L	51458	1	9.72	10877700	20.0
Benzenethiol, 4-m...	13.38	0.1	ug/L	48593	2	13.20	15976400	20.0
2H-1,4-Benzoxazin...	20.00	0.0	ug/L	39092	3	18.34	17045700	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	127217	4	22.64	17699500	20.0
Anthracene-D10	22.77	0.6	ug/L	507149	4	22.64	17699500	20.0
Phthalic acid, di...	31.11	0.1	ug/L	47649	5	30.50	16015600	20.0

Comments for Sample AE02387 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 12:10:23

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoverie for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 2 were below.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 12:10:24

Sample: AE02387
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 12:09 Ended: 3/7/02 12:09 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		85		5.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02387.D Vial: 3
Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:51 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

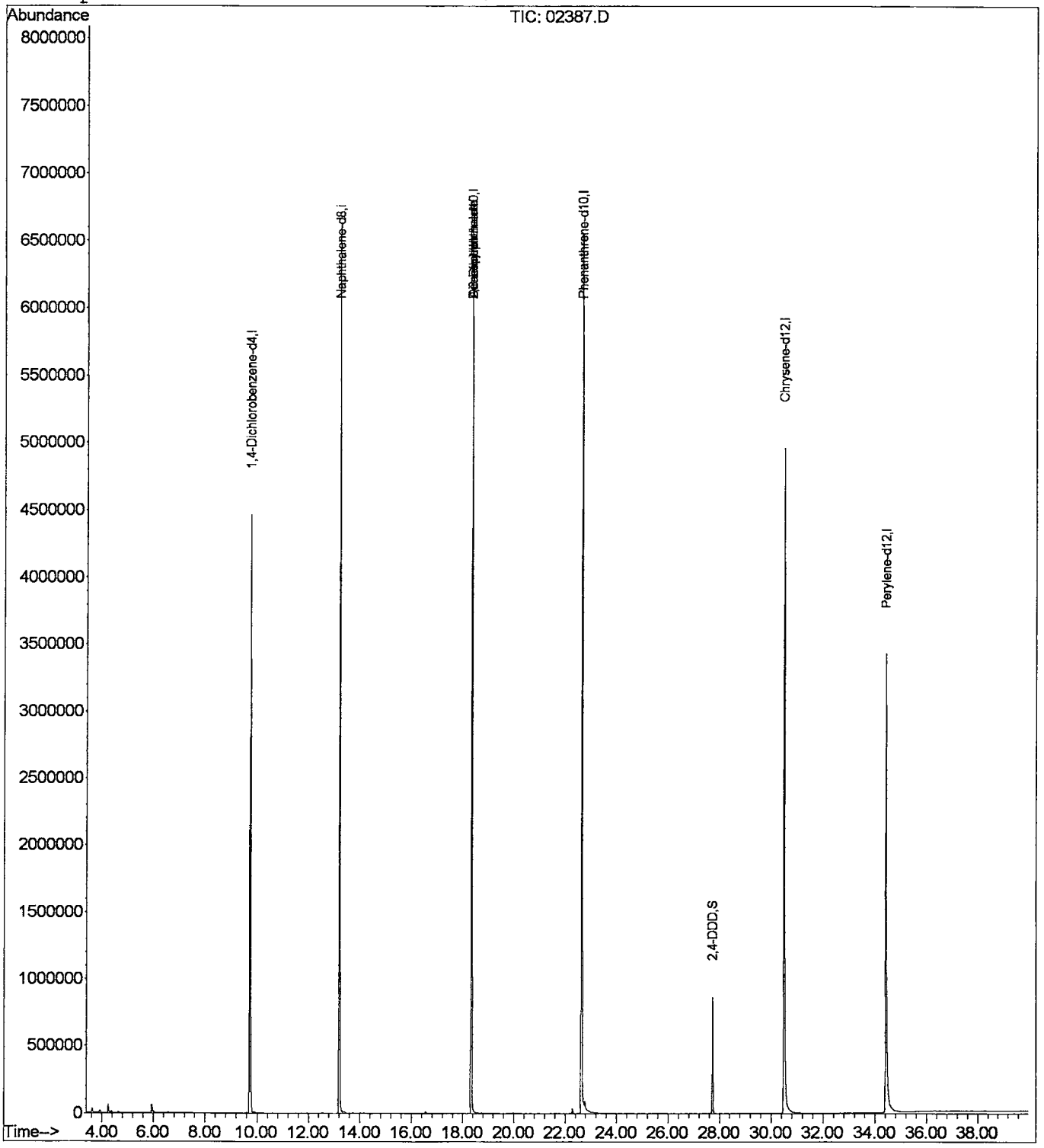
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1568042	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	6696777	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3378549	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	5867785	20.00	ug/L	0.00
38) Chrysene-d12	30.49	240	4249083	20.00	ug/L	-0.03
44) Perylene-d12	34.42	264	2755724	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	334120	4.27	ug/L	0.00
Spiked Amount 5.000			Recovery = 85.40%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	546487	2.67	ug/L #	58
21) 2,6-Dinitrotoluene	18.34	165	429015	9.06	ug/L #	27

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02387.D Vial: 3
Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02387.D Vial: 3
Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

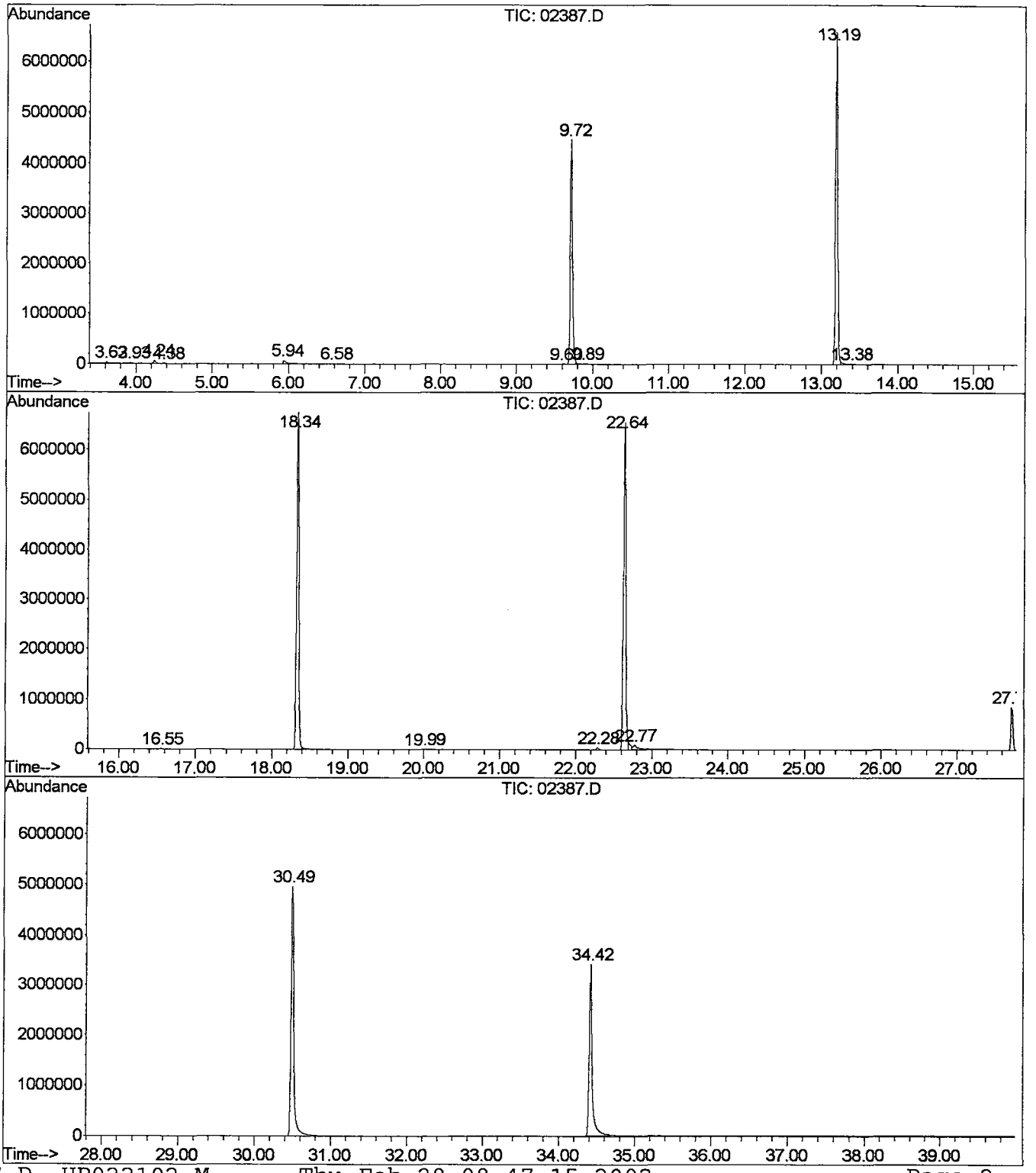
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.622	19	22	25	rBV	30963	56611	0.39%	0.077%
2	3.927	45	49	55	rVB	19113	37948	0.26%	0.051%
3	4.243	75	77	85	rVV	64689	122557	0.85%	0.166%
4	4.378	85	89	93	rVB	12967	21723	0.15%	0.029%
5	5.936	225	227	235	rBV	65793	170482	1.18%	0.231%
6	6.580	279	284	287	rBV	10367	21843	0.15%	0.030%
7	9.605	547	552	557	rBV3	7898	20929	0.15%	0.028%
8	9.718	557	562	567	rBV	4462227	8662245	60.17%	11.754%
9	9.887	575	577	583	rVB3	10726	31920	0.22%	0.043%
10	13.195	865	870	875	rBV	6597791	12542917	87.13%	17.020%
11	13.375	883	886	893	rVB3	12311	41242	0.29%	0.056%
12	16.548	1163	1167	1171	rVB2	15397	27262	0.19%	0.037%
13	18.343	1321	1326	1331	rBV	6737283	13700529	95.17%	18.591%
14	19.991	1467	1472	1481	rBV3	6016	17603	0.12%	0.024%
15	22.282	1671	1675	1681	rBV2	37798	79445	0.55%	0.108%
16	22.644	1701	1707	1711	rBV	6549291	14396368	100.00%	19.535%
17	22.768	1715	1718	1741	rVB	84823	439855	3.06%	0.597%
18	27.724	2153	2157	2163	rBV	856754	1620778	11.26%	2.199%
19	30.489	2397	2402	2445	rBV2	4960414	12637784	87.78%	17.149%
20	34.418	2745	2750	2773	rBV	3414500	9045852	62.83%	12.275%

Sum of corrected areas: 73695893

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB27\02387.D
Operator :
Acquired : 27 Feb 2002 4:57 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 27, 2002
Vial Number: 3
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02387.D Vial: 3
Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

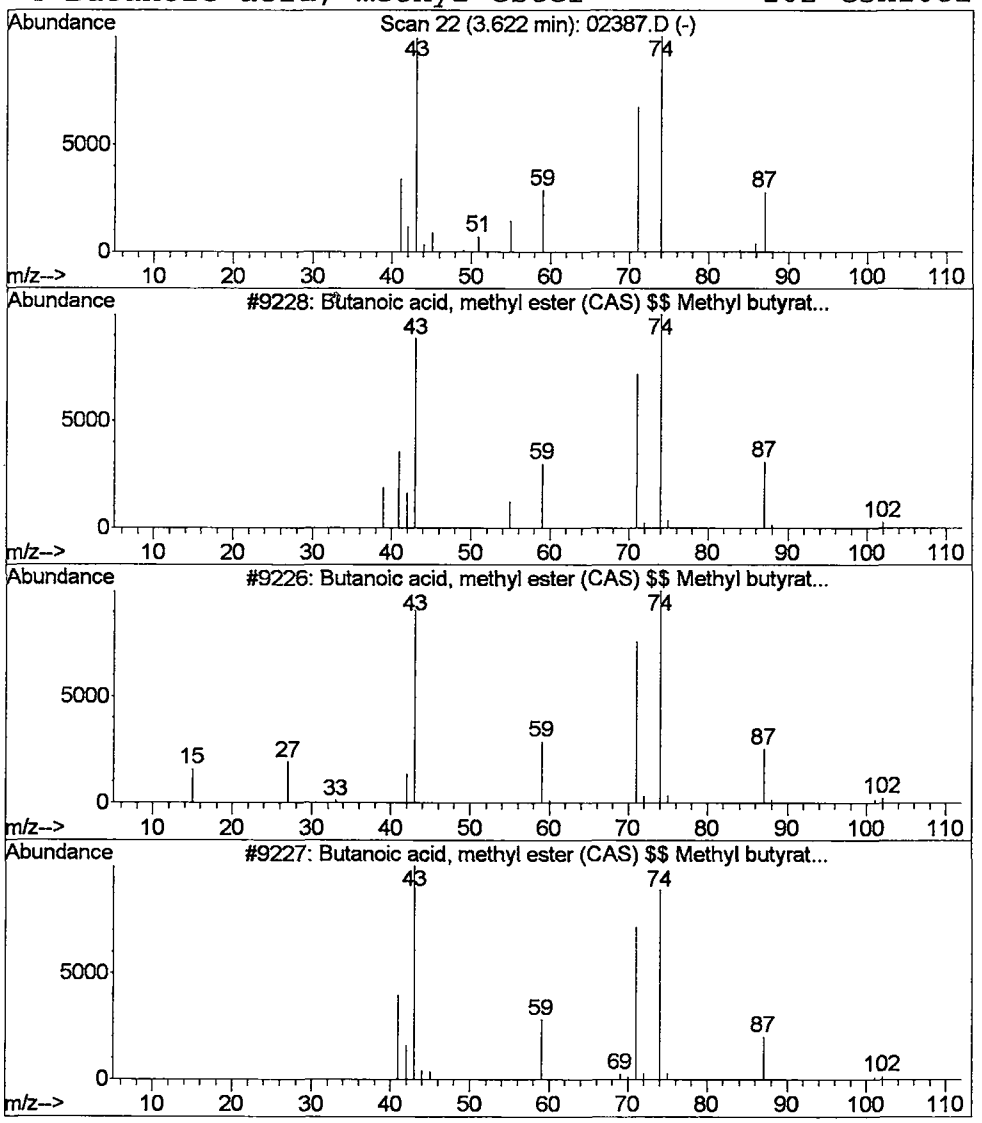
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

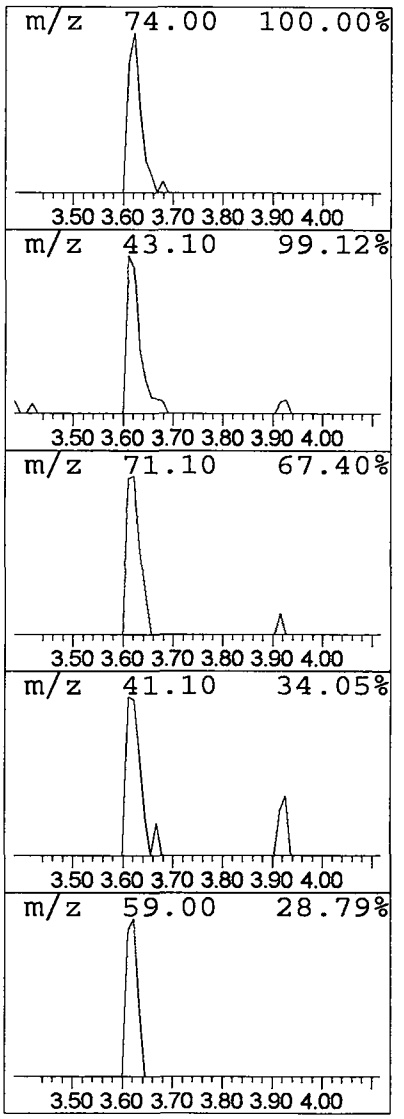
****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.13 ug/L	56611	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	72
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	64
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	64
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02387.D Vial: 3
Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

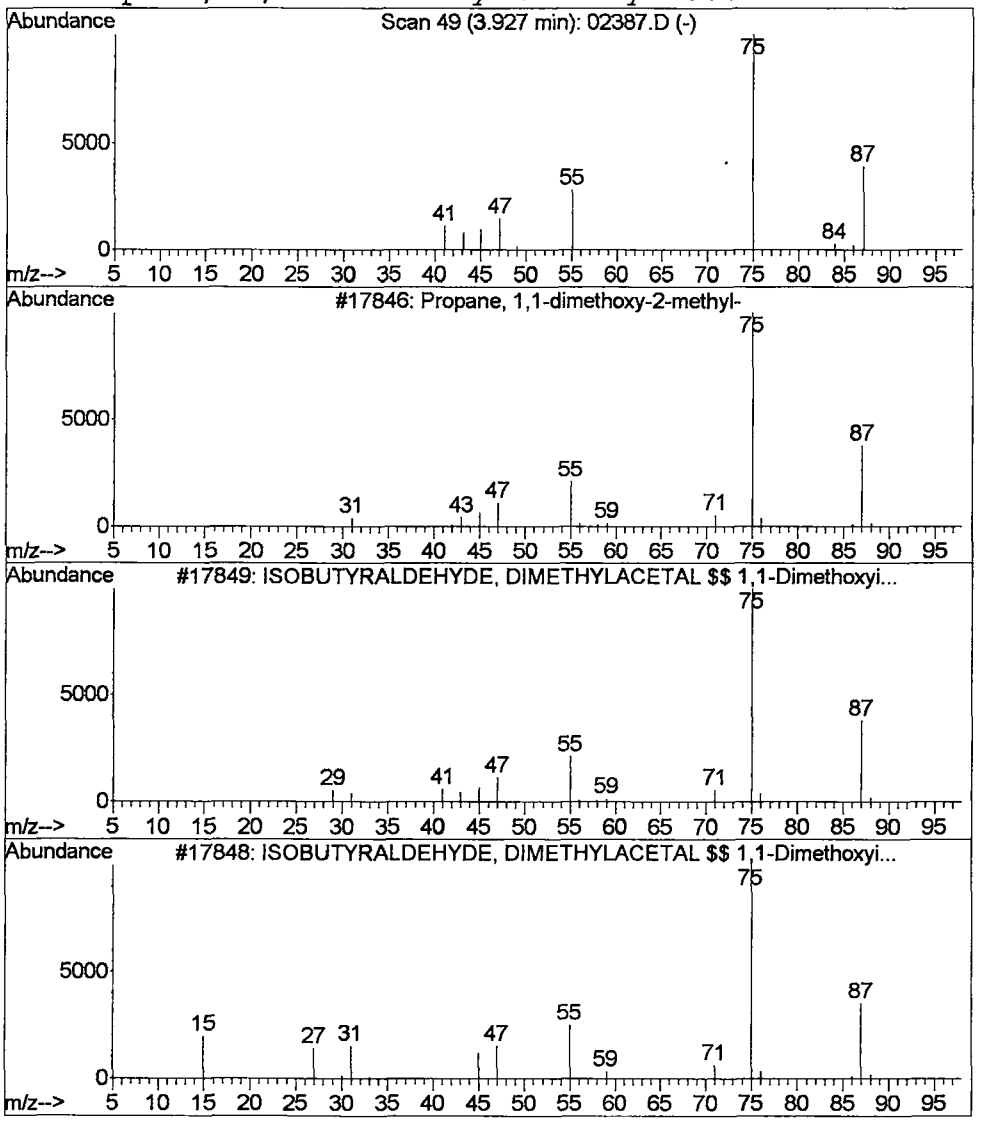
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

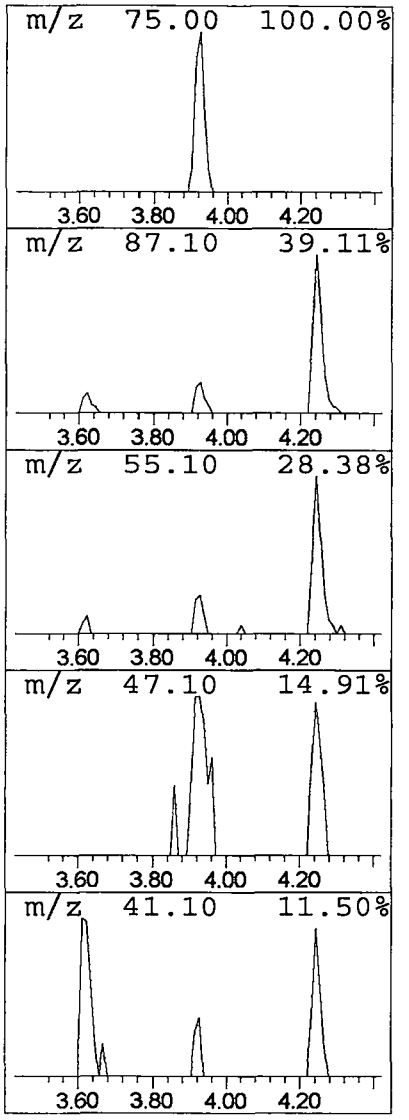
****

Peak Number 2 Propane, 1,1-dimethoxy-2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.09 ug/L	37948	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	83
2	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
3	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	74
4	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02387.D Vial: 3
Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

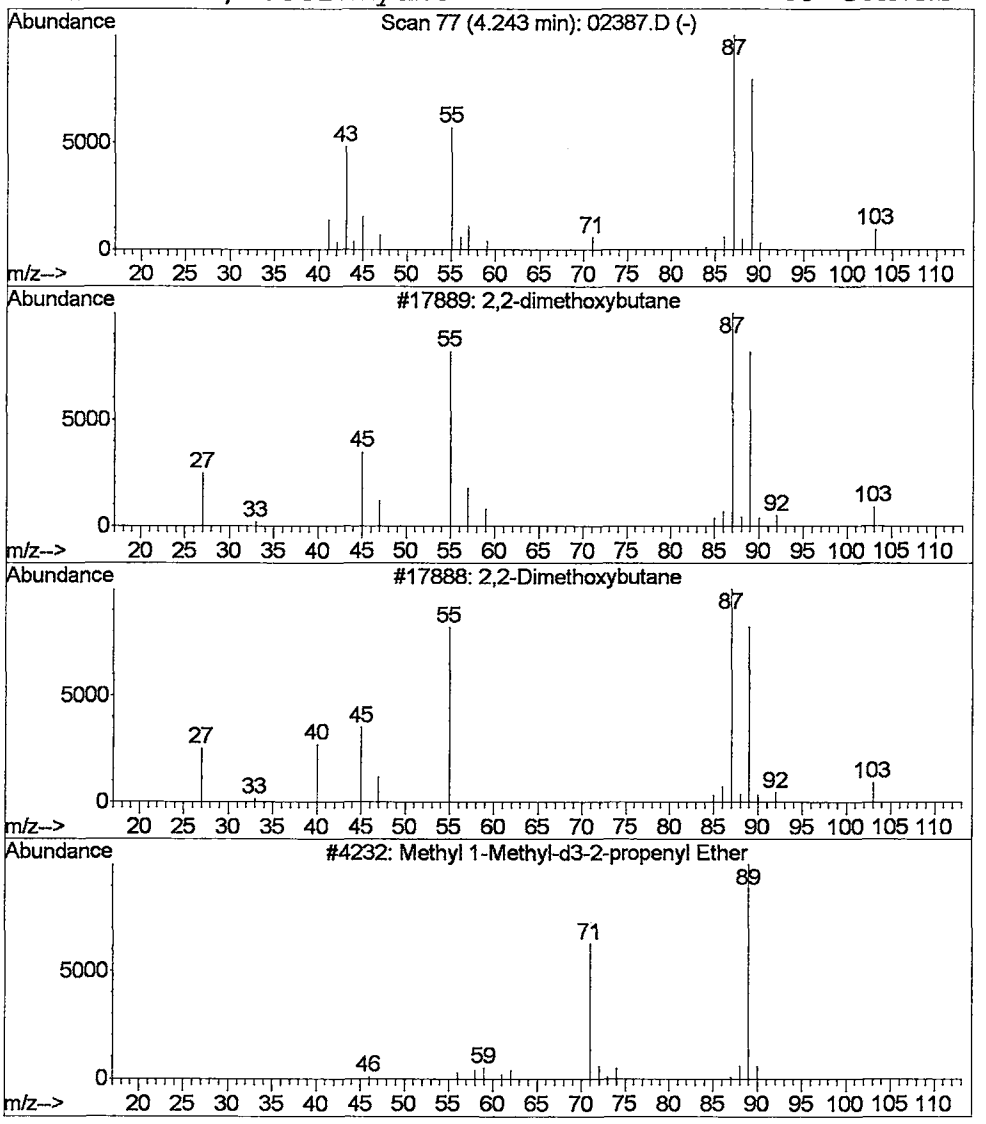
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

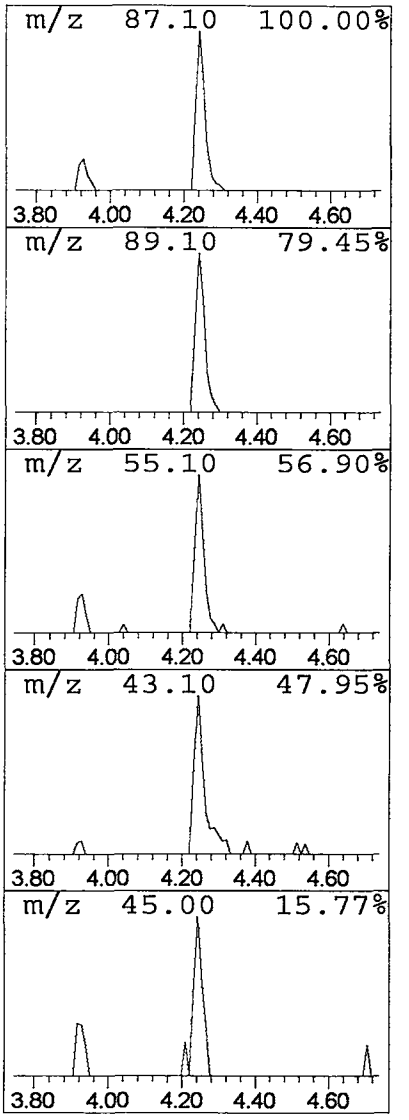
****

Peak Number 3 2,2-dimethoxybutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.28 ug/L	122557	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	83
2	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	74
3	Methyl 1-Methyl-d3-2-propenyl Ether	89	C5H7D3O	000000-00-0	42
4	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02387.D Vial: 3
Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

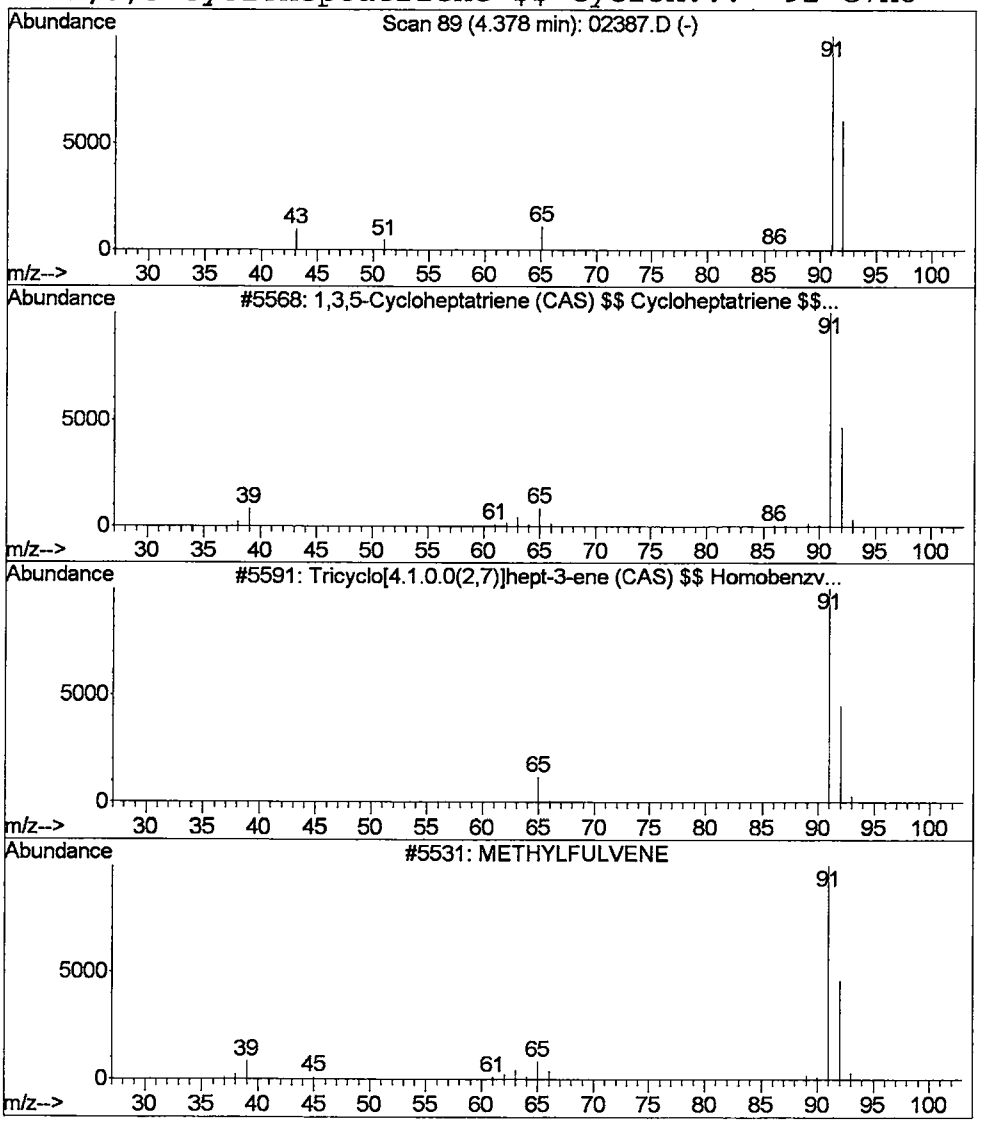
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

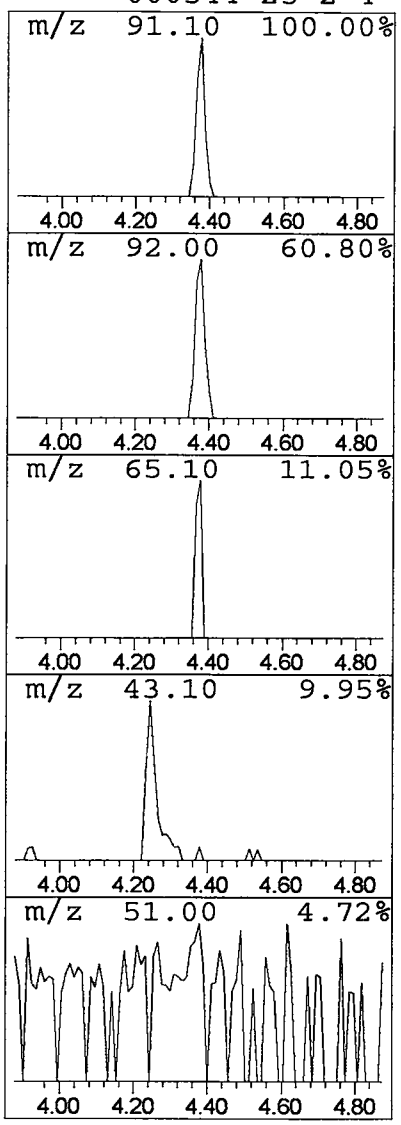
****

Peak Number 4 1,3,5-Cycloheptatriene (CAS... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	0.05 ug/L	21723	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene (CAS) $$ ...	92	C7H8	000544-25-2	9
2	Tricyclo[4.1.0.0(2,7)]hept-3-ene...	92	C7H8	035618-58-7	7
3	METHYLFULVENE	92	C7H8	000000-00-0	7
4	1,3,5-Cycloheptatriene $$ Cycloh...	92	C7H8	000544-25-2	4





Library Search Compound Report

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Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

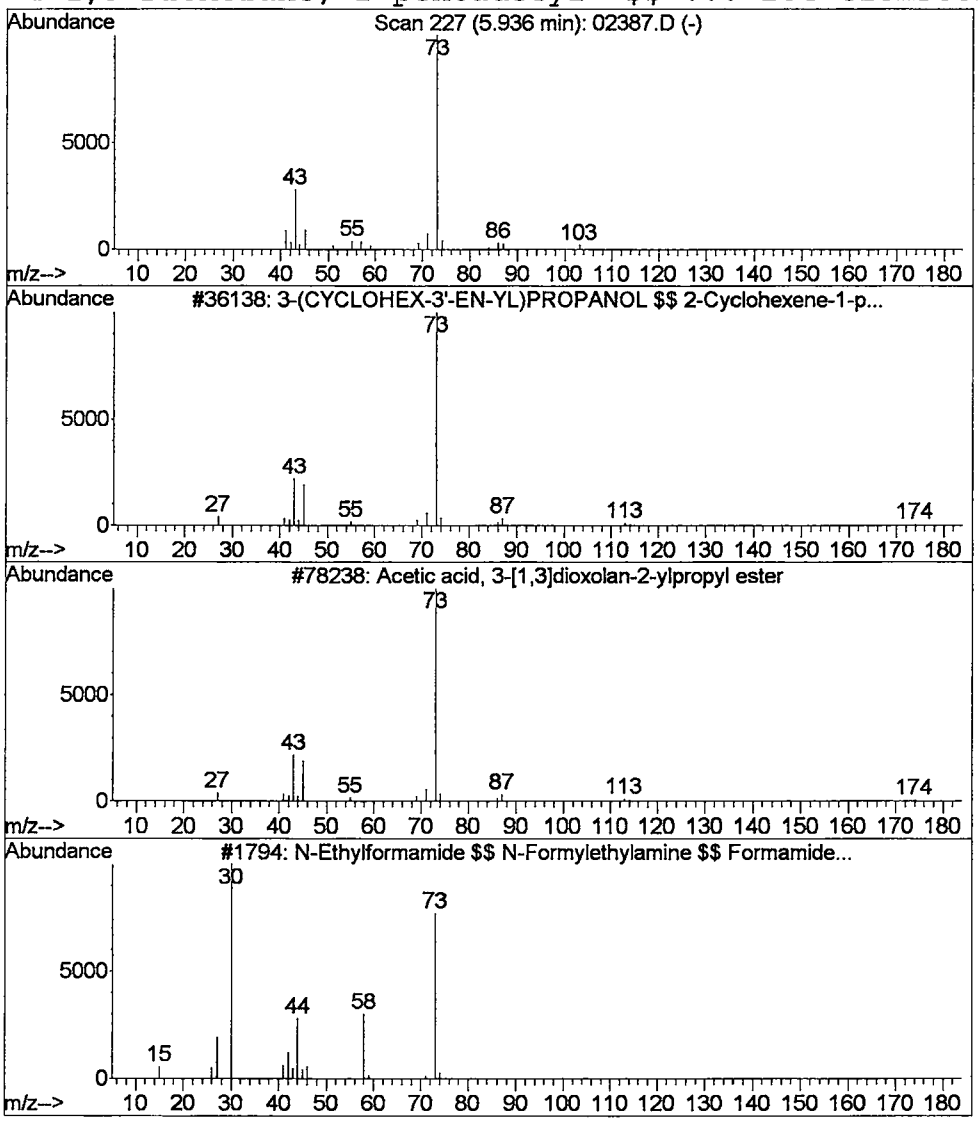
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

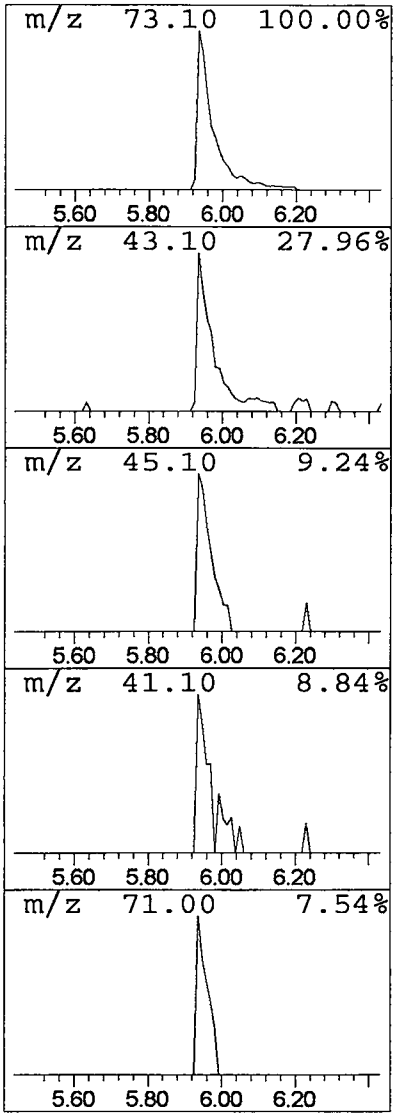
****

Peak Number 5 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	0.39 ug/L	170482	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	37
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	37
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-pentadecyl- $$ ...	284	C18H36O2	004360-57-0	9





Library Search Compound Report

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Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

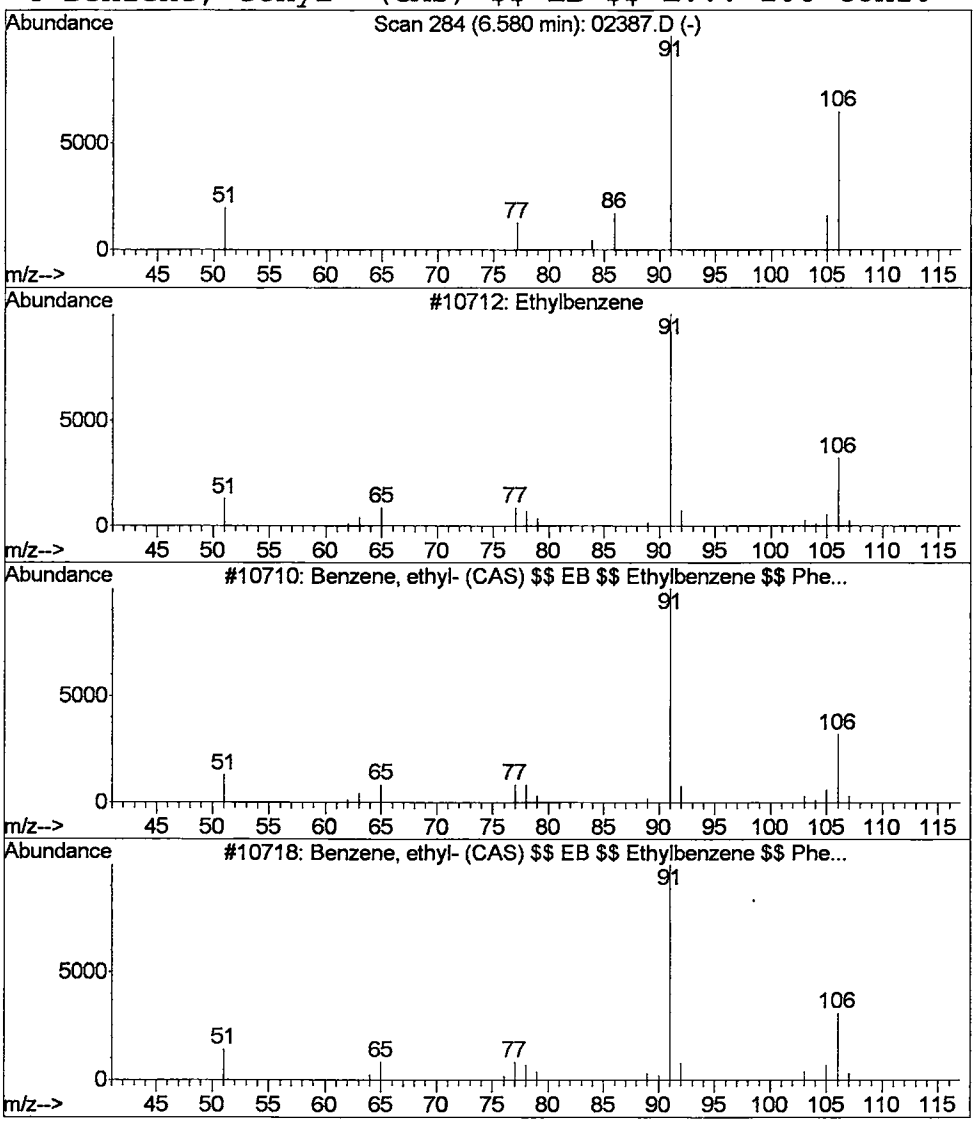
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

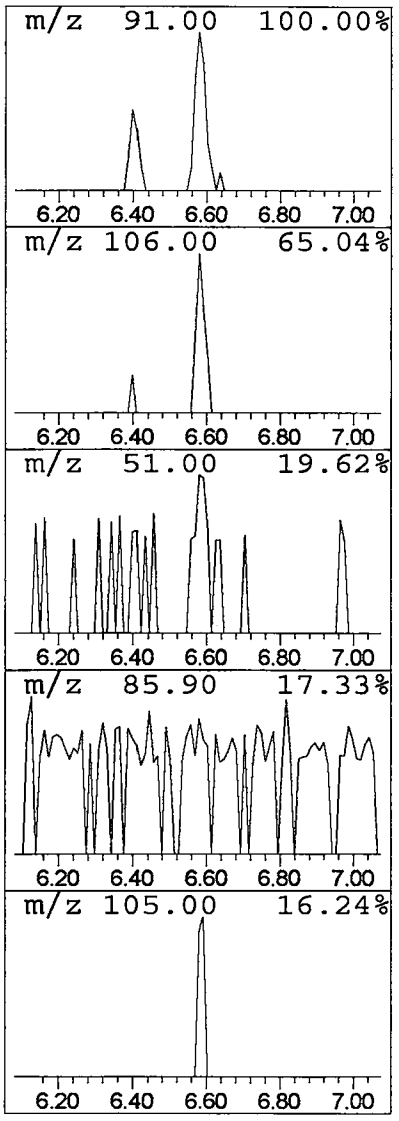
****

Peak Number 6 Ethylbenzene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	0.05 ug/L	21843	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	9
2	Benzene, ethyl- (CAS) $$ EB $$ E...	106	C8H10	000100-41-4	9
3	Benzene, ethyl- (CAS) $$ EB $$ E...	106	C8H10	000100-41-4	5
4	Benzene, ethyl- (CAS) $$ EB $$ E...	106	C8H10	000100-41-4	5





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Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

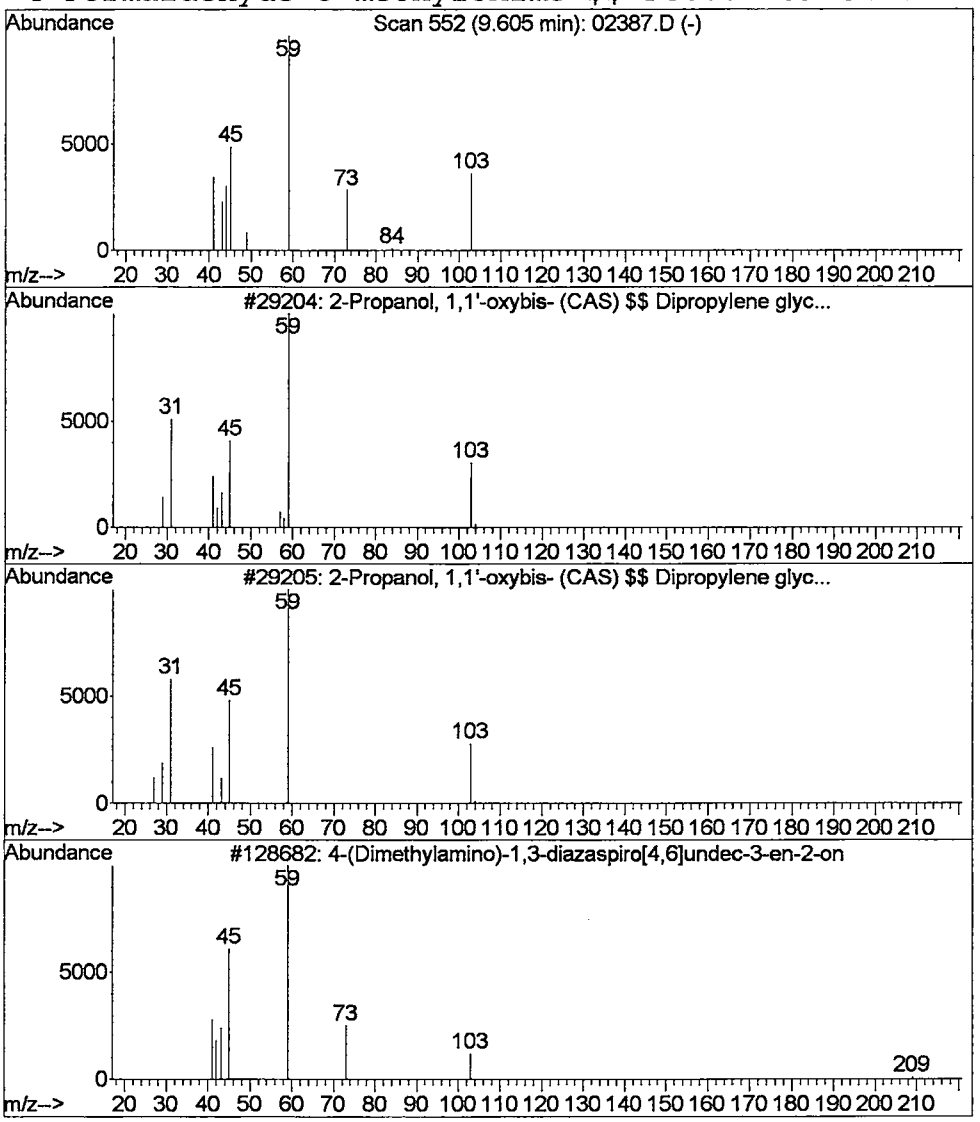
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

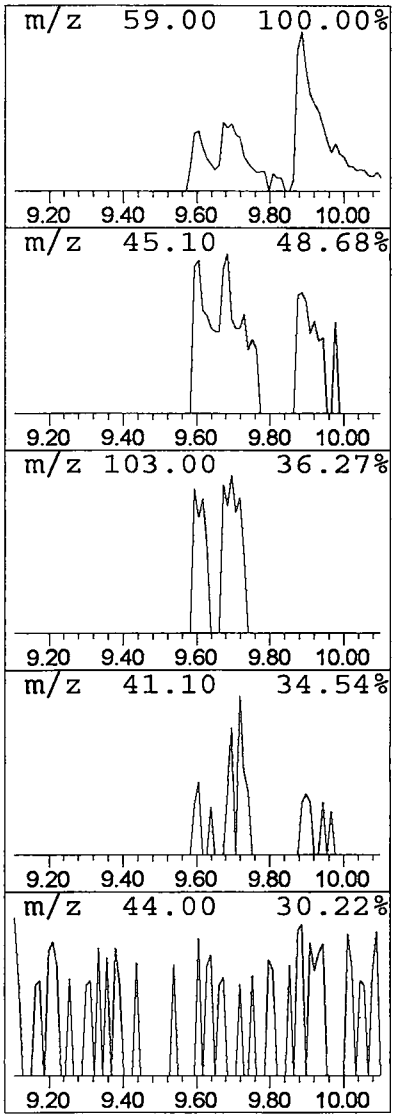
****

Peak Number 7 2-Propanol, 1,1'-oxybis- (C... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	0.05 ug/L	20929	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	38
2	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	9
3	4-(Dimethylamino)-1,3-diazaspiro...	209	C11H19N3O	000000-00-0	9
4	Formaldehyde O-methyloxime $$ Fo...	59	C2H5NO	062479-73-6	4





Library Search Compound Report

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Acq On : 27 Feb 2002 4:57 pm Operator:
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Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

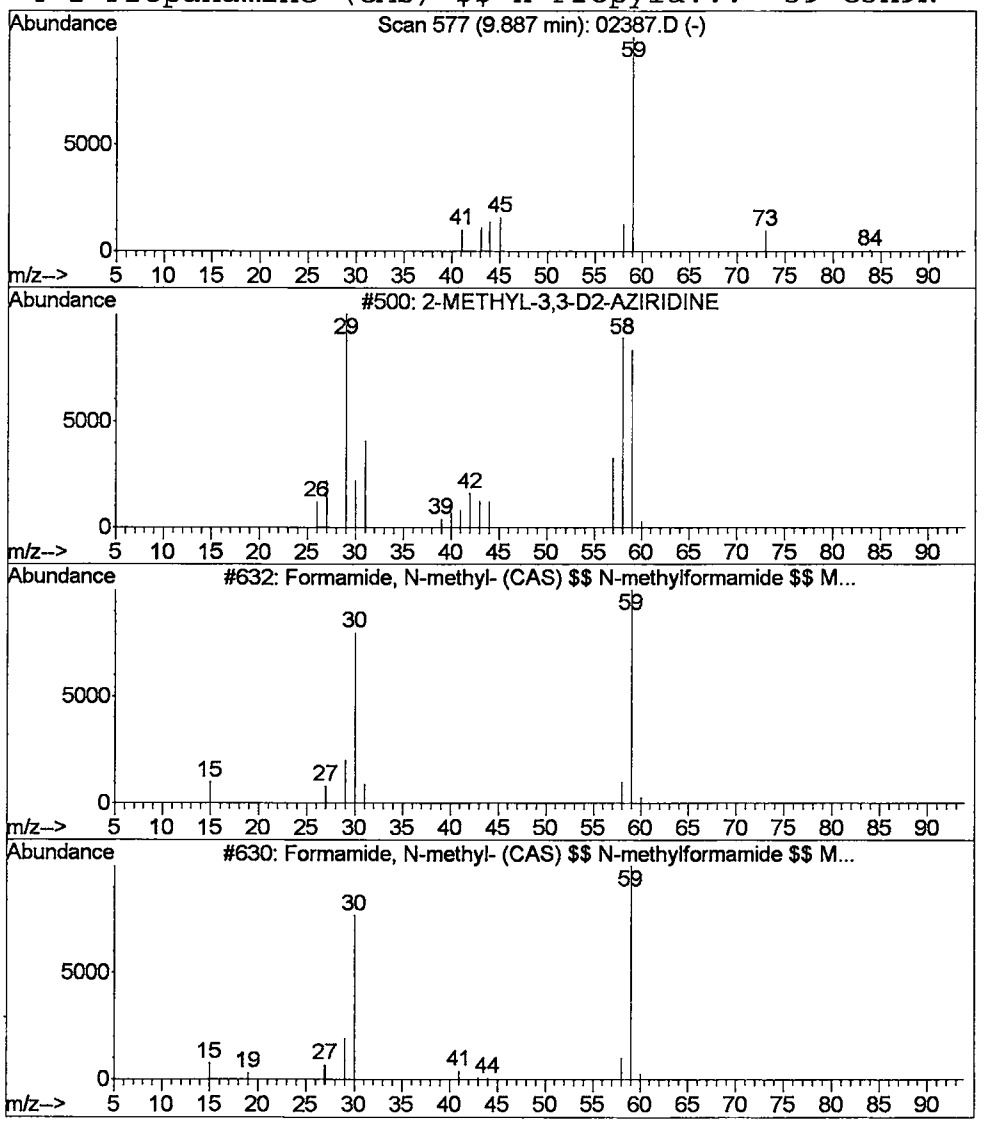
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

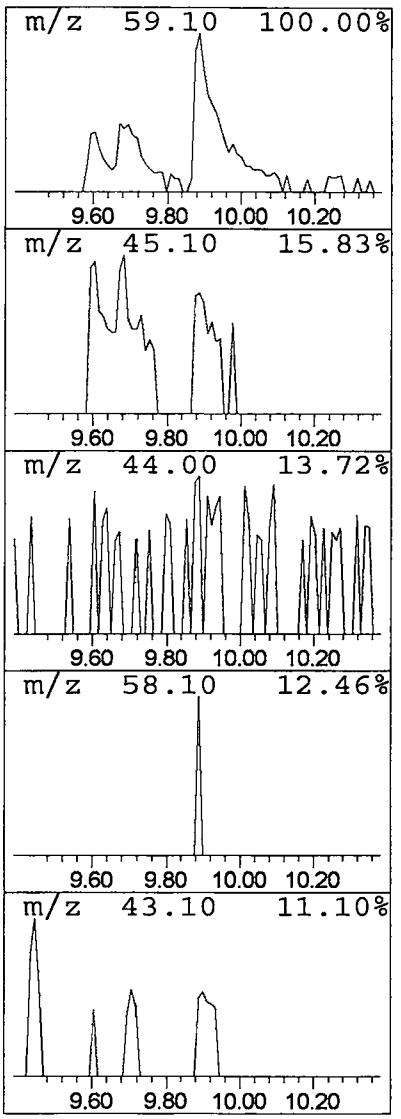
****

Peak Number 8 2-METHYL-3,3-D2-AZIRIDINE Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	0.07 ug/L	31920	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-METHYL-3,3-D2-AZIRIDINE	59	C3H5D2N	030691-55-5	9
2	Formamide, N-methyl- (CAS) $$ N-...	59	C2H5NO	000123-39-7	4
3	Formamide, N-methyl- (CAS) $$ N-...	59	C2H5NO	000123-39-7	4
4	1-Propanamine (CAS) $$ n-Propyla...	59	C3H9N	000107-10-8	4





Library Search Compound Report

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Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

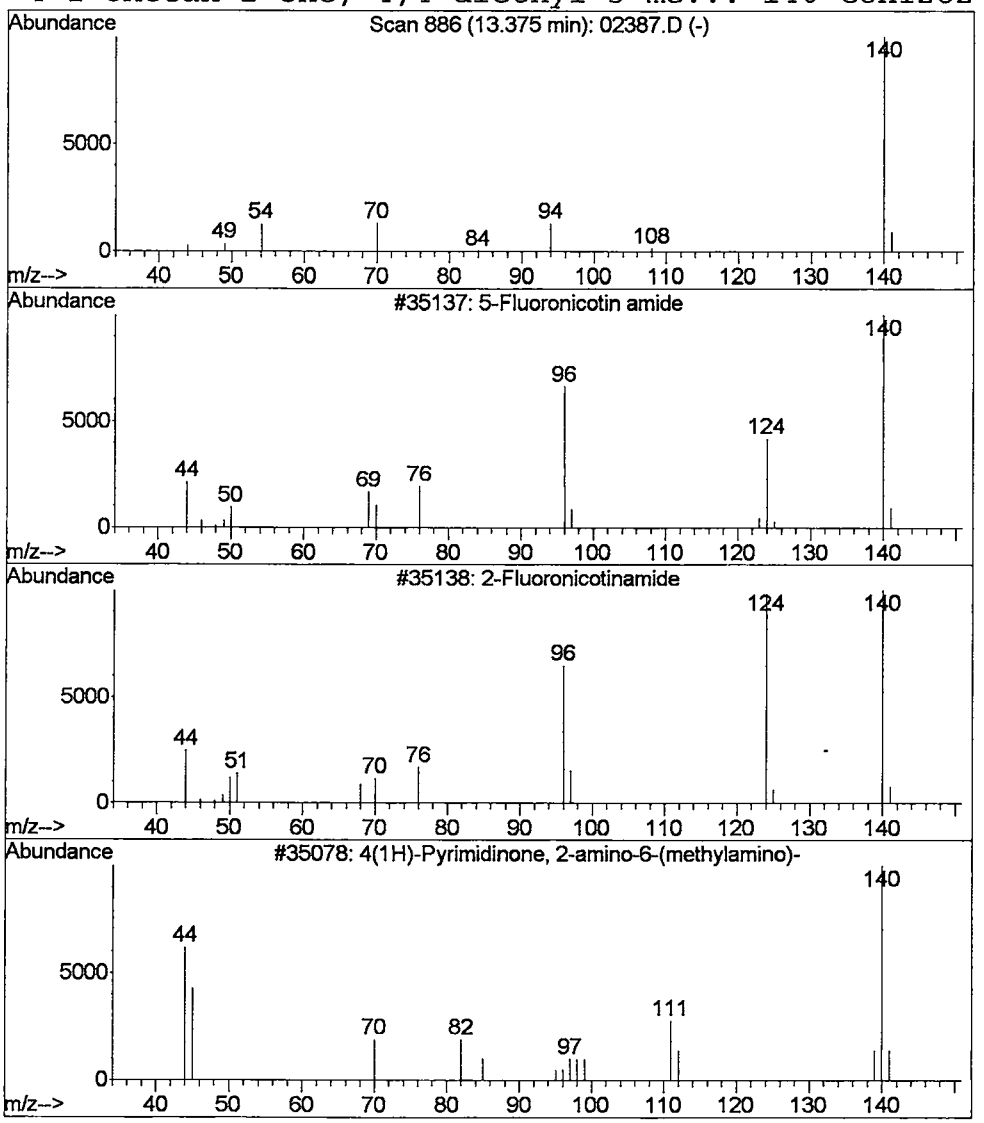
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

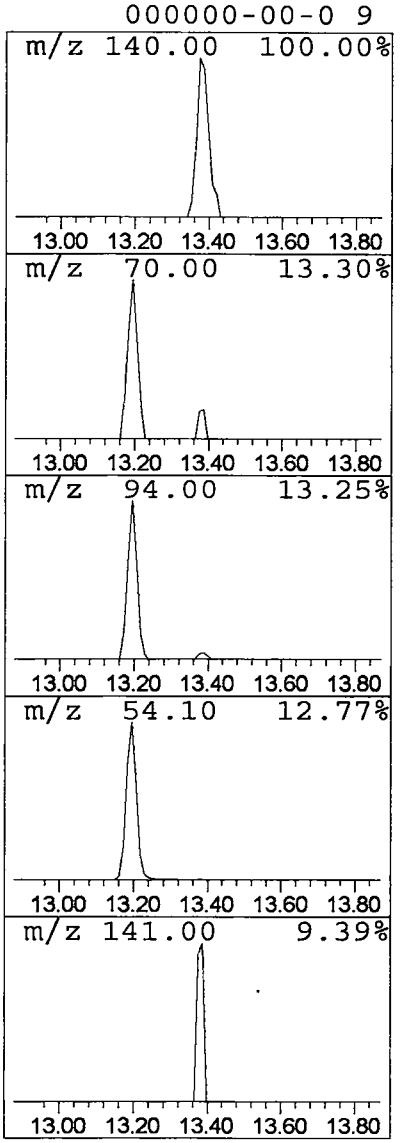
****

Peak Number 9 5-Fluoronicotin amide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.07 ug/L	41242	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoronicotin amide	140	C6H5FN2O	000000-00-0	39
2	2-Fluoronicotinamide	140	C6H5FN2O	000364-22-7	39
3	4(1H)-Pyrimidinone, 2-amino-6-(m...	140	C5H8N4O	054004-20-5	9
4	1-Oxetan-2-one, 4,4-diethyl-3-me...	140	C8H12O2	000000-00-0	9





Library Search Compound Report

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Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

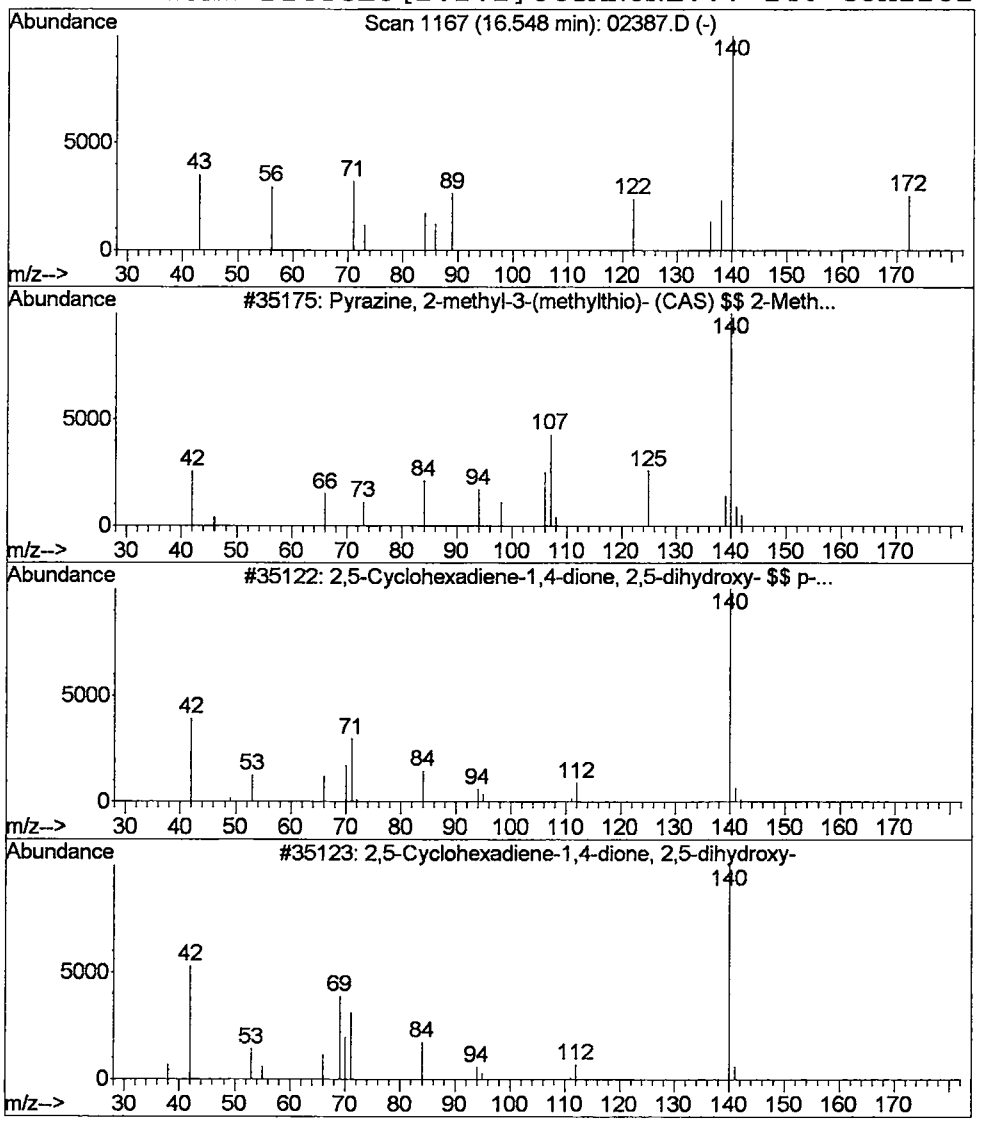
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

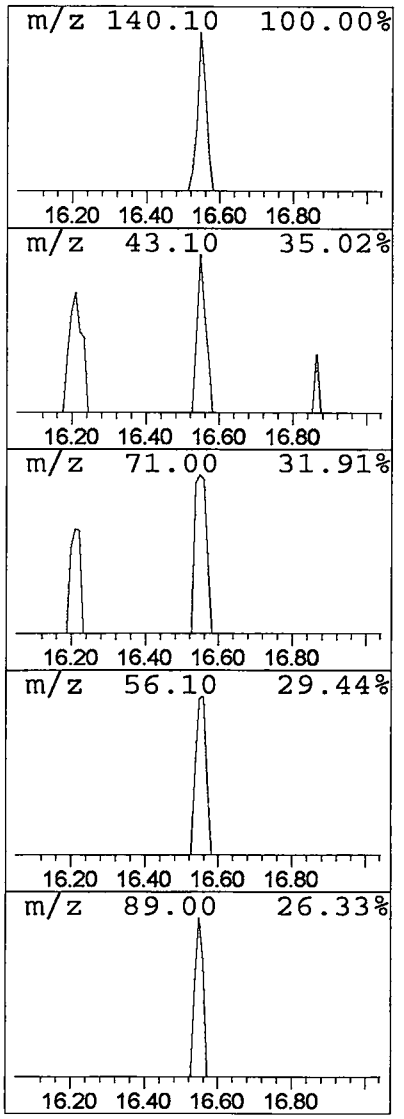
****

Peak Number 10 Pyrazine, 2-methyl-3-(methy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	0.04 ug/L	27262	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazine, 2-methyl-3-(methylthio...	140	C6H8N2S	002882-20-4	9
2	2,5-Cyclohexadiene-1,4-dione, 2,...	140	C6H4O4	000615-94-1	9
3	2,5-Cyclohexadiene-1,4-dione, 2,...	140	C6H4O4	000615-94-1	9
4	4-HYDROXY-BICYCLO[2.2.2]OCTANONE...	140	C8H12O2	066348-59-2	9





Library Search Compound Report

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Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

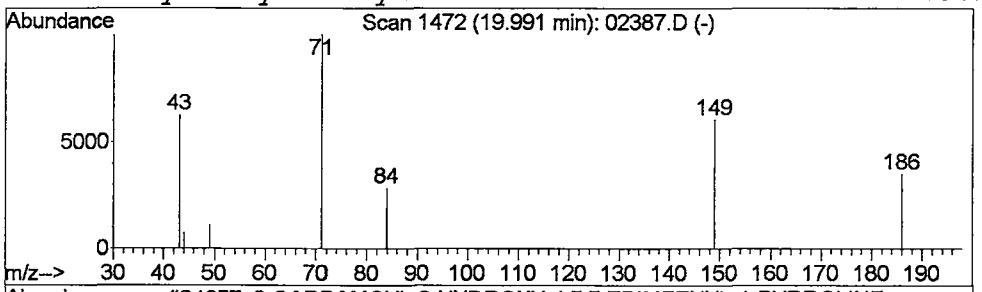
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

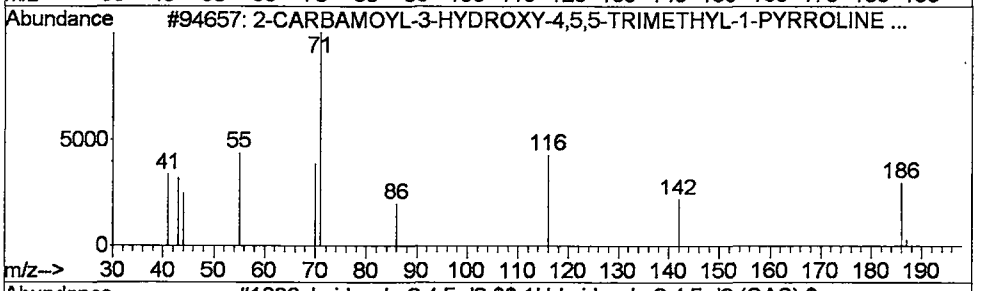
****

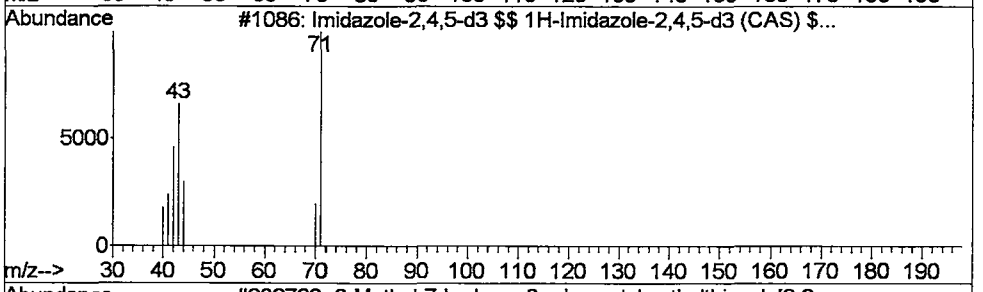
Peak Number 11 2-CARBAMOYL-3-HYDROXY-4,5,5... Concentration Rank 13

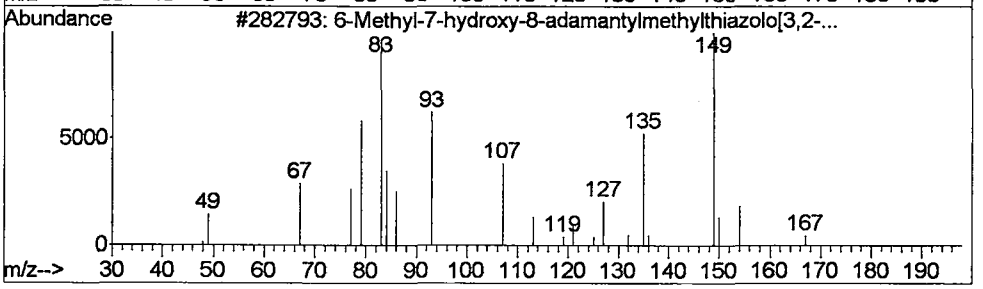
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	0.03 ug/L	17603	Acenaphthene-d10	18.34

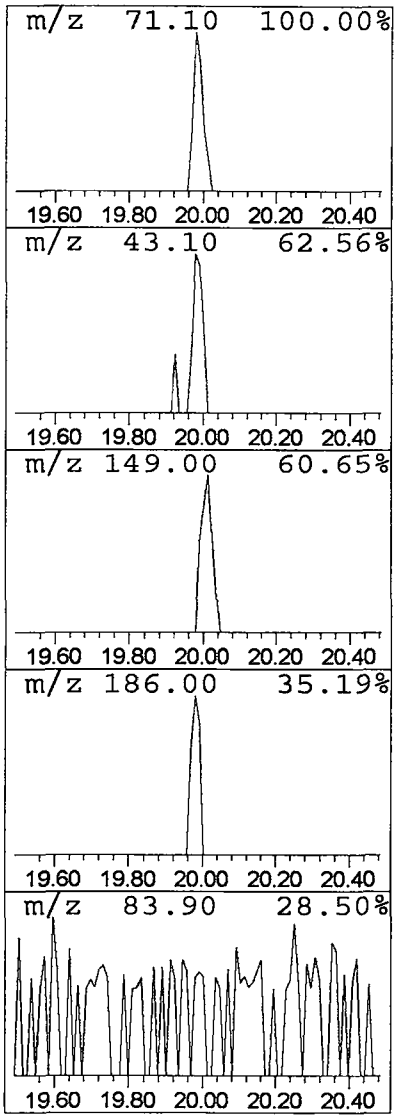
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-CARBAMOYL-3-HYDROXY-4,5,5-TRIM...	186	C8H14N2O3	072700-98-2	5
2	Imidazole-2,4,5-d3 $$ 1H-Imidazo...	71	C3HD3N2	006745-43-3	4
3	6-Methyl-7-hydroxy-8-adamantylme...	332	C18H24N2O2S	000000-00-0	4
4	2-ethylbutyl butyrate	172	C10H20O2	000000-00-0	4











Data File : C:\MSDCHEM\1\5973N\02FEB27\02387.D Vial: 3
Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

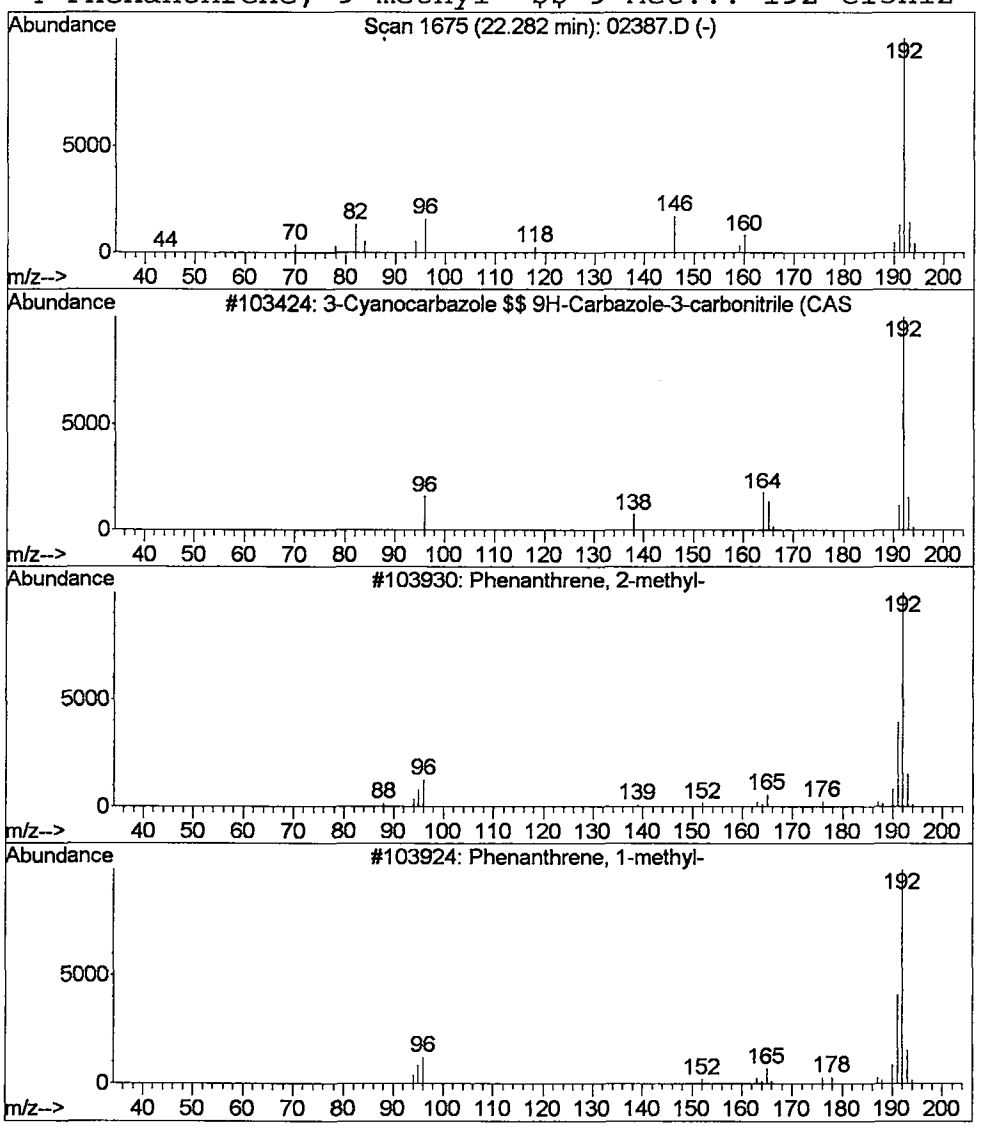
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

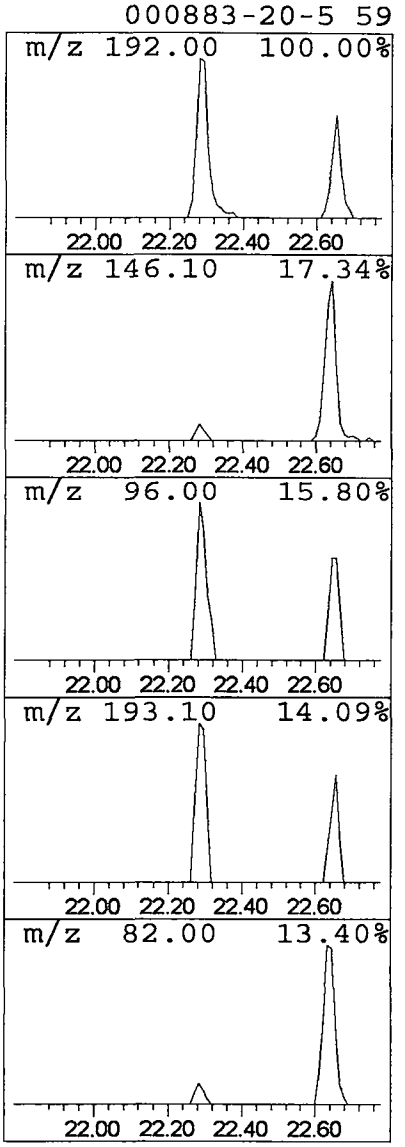
****

Peak Number 12 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.11 ug/L	79445	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	72
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	59
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	59
4	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59





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Acq On : 27 Feb 2002 4:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

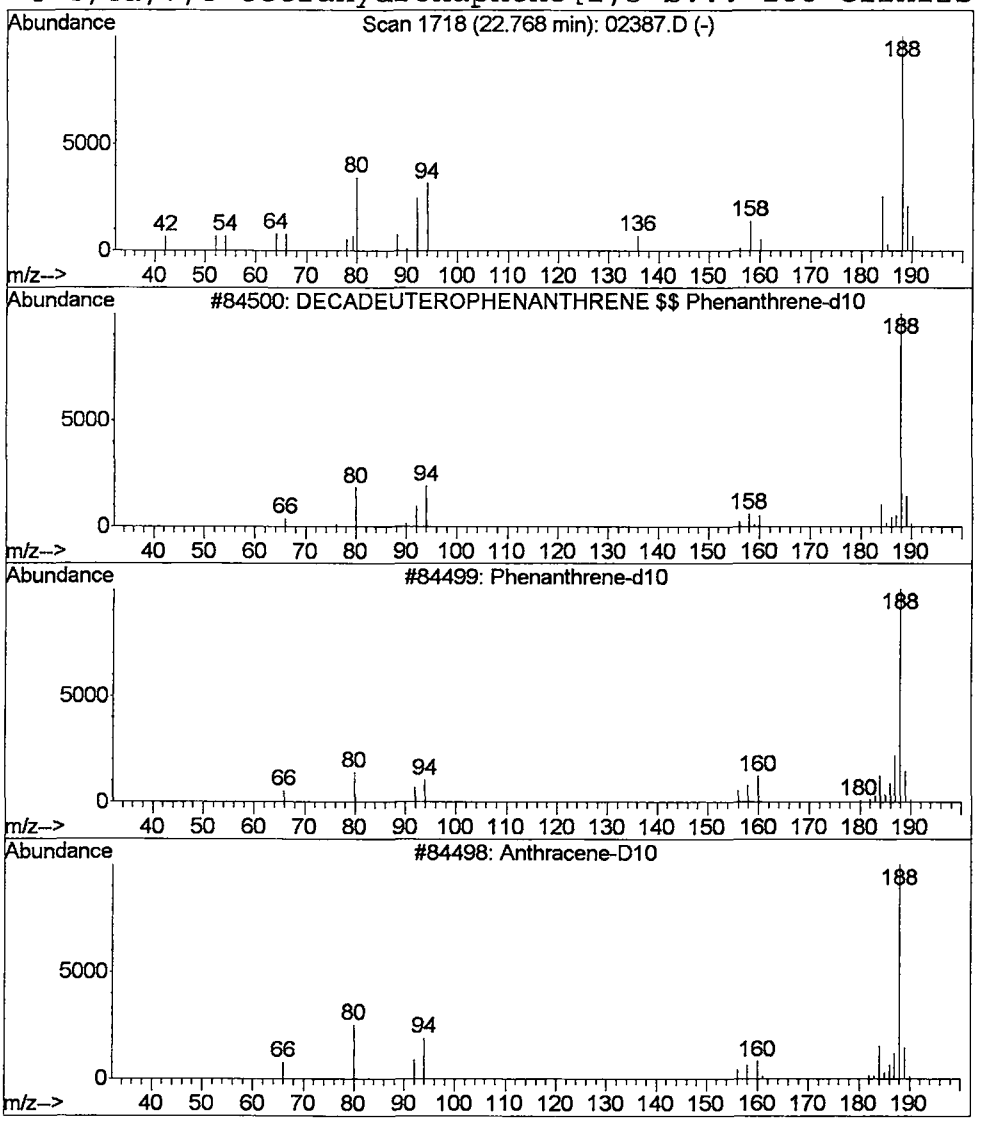
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

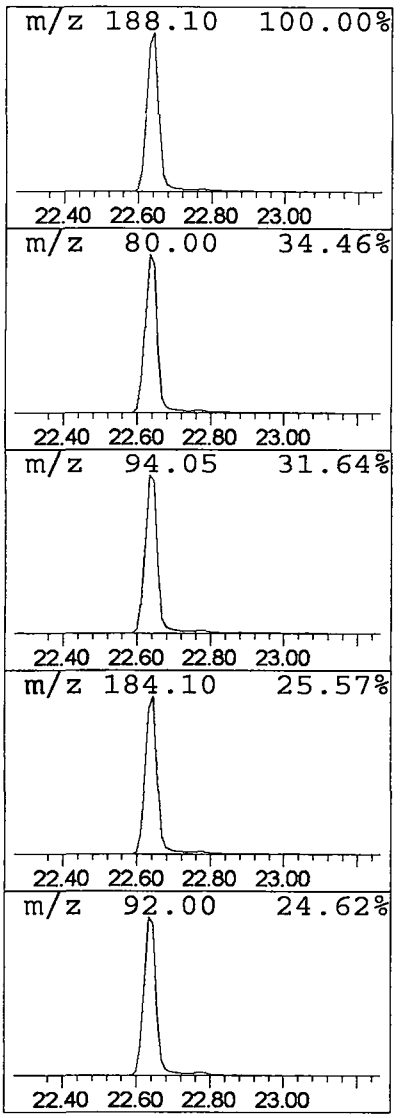
****

Peak Number 13 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.61 ug/L	439855	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	59
2	Phenanthrene-d10	188	C14D10	001517-22-2	50
3	Anthracene-D10	188	C14D10	000000-00-0	50
4	4,4a,7,8-tetrahydronaphtho[2,3-b...	188	C12H12S	112251-84-0	45





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Feb 2002 4:57 pm
Data File: C:\MSDCHEM\1\5973N\02FEB27\02387.D
Name: 508 scan
Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Butanoic acid, me...	3.62	0.1	ug/L	56611	1	9.72	8662250	20.0
Propane, 1,1-dime...	3.93	0.1	ug/L	37948	1	9.72	8662250	20.0
2,2-dimethoxybutane	4.24	0.3	ug/L	122557	1	9.72	8662250	20.0
1,3,5-Cycloheptat...	4.38	0.1	ug/L	21723	1	9.72	8662250	20.0
3-(CYCLOHEX-3'-EN...	5.94	0.4	ug/L	170482	1	9.72	8662250	20.0
Ethylbenzene	6.58	0.1	ug/L	21843	1	9.72	8662250	20.0
2-Propanol, 1,1'-...	9.60	0.0	ug/L	20929	1	9.72	8662250	20.0
2-METHYL-3,3-D2-A...	9.89	0.1	ug/L	31920	1	9.72	8662250	20.0
5-Fluoronicotin a...	13.38	0.1	ug/L	41242	2	13.19	12542900	20.0
Pyrazine, 2-methy...	16.55	0.0	ug/L	27262	3	18.34	13700500	20.0
2-CARBAMOYL-3-HYD...	19.99	0.0	ug/L	17603	3	18.34	13700500	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	79445	4	22.64	14396400	20.0
DECADEUTEROPHENAN...	22.77	0.6	ug/L	439855	4	22.64	14396400	20.0

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 12:12:32

Sample: AE02453
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 12:12 Ended: 3/7/02 12:12 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		83		5.0

Comments for Sample AE02453 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 12:12:35

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoverie for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 2 were below.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:53 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

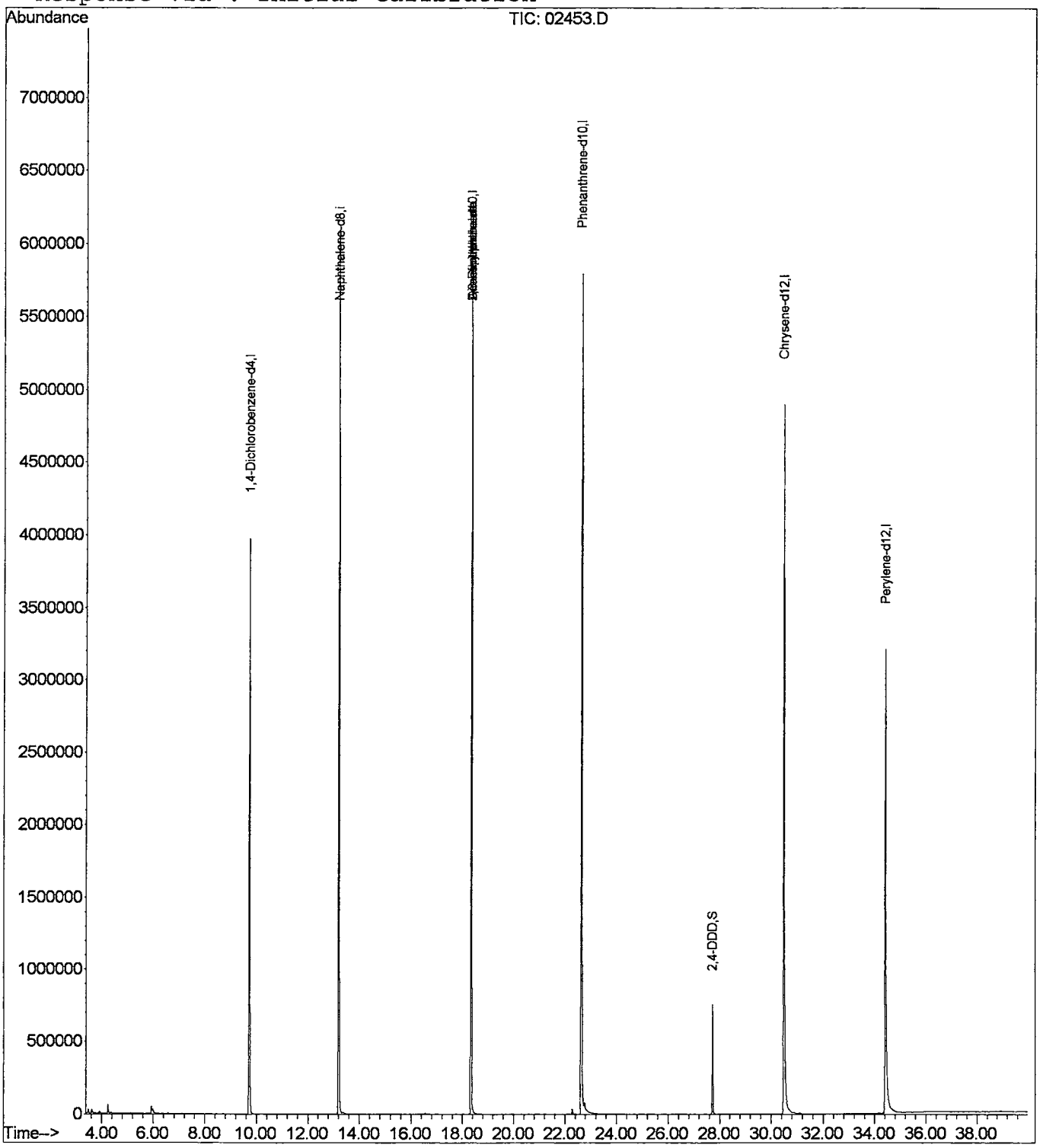
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1431228	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	6087451	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3081455	20.00	ug/L	0.00
29) Phenanthrene-d10	22.63	188	5381956	20.00	ug/L	-0.01
38) Chrysene-d12	30.49	240	4079702	20.00	ug/L	-0.03
44) Perylene-d12	34.42	264	2641030	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.74	235	297317	4.14	ug/L	0.01
Spiked Amount 5.000			Recovery =	82.80%		
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	494472	2.65	ug/L #	58
21) 2,6-Dinitrotoluene	18.34	165	385871	8.94	ug/L #	27

(#) = qualifier out of range (m) = manual integration
02453.D HP022102.M Thu Feb 28 08:37:54 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

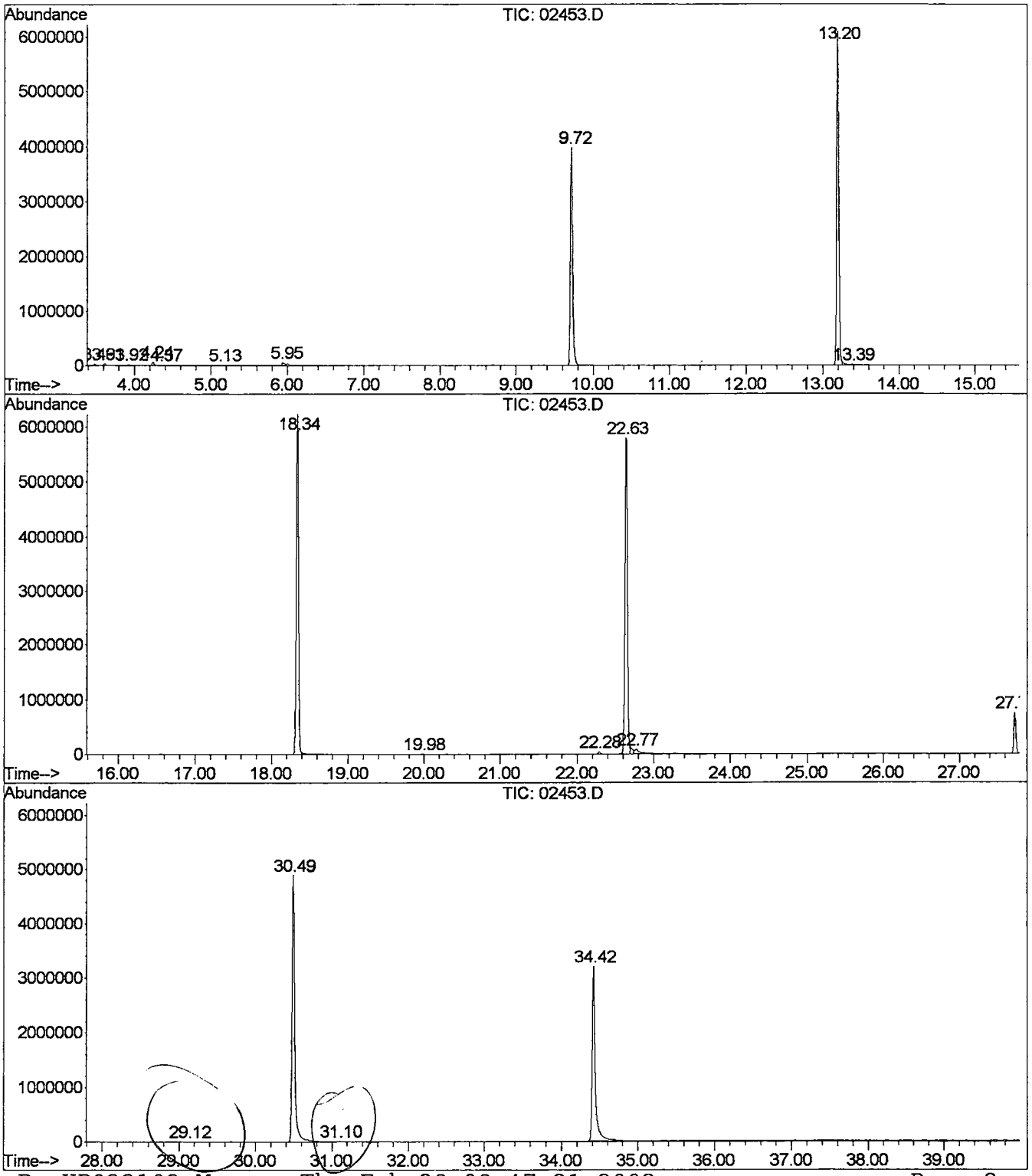
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.487	7	10	15	rVV	26029	38295	0.29%	0.056%
2	3.611	19	21	29	rBV	28953	55727	0.42%	0.082%
3	3.916	43	48	53	rVB	15492	26335	0.20%	0.039%
4	4.243	73	77	85	rBV2	61647	114839	0.87%	0.169%
5	4.367	85	88	91	rVB	7710	13322	0.10%	0.020%
6	5.135	151	156	159	rVB3	6431	14336	0.11%	0.021%
7	5.948	223	228	231	rBV	48941	118196	0.89%	0.174%
8	9.718	557	562	575	rBV	3975022	7878725	59.60%	11.566%
9	13.195	865	870	875	rBV	6087975	11388806	86.15%	16.719%
10	13.387	883	887	903	rVB2	12832	43487	0.33%	0.064%
11	18.343	1321	1326	1331	rBV	6229327	12448691	94.16%	18.275%
12	19.980	1465	1471	1475	rVV4	5667	14413	0.11%	0.021%
13	22.283	1671	1675	1683	rBV	35369	77838	0.59%	0.114%
14	22.633	1701	1706	1711	rBV2	5790334	13220315	100.00%	19.408%
15	22.768	1715	1718	1747	rVB2	73567	432529	3.27%	0.635%
16	27.724	2153	2157	2163	rVV	751493	1413268	10.69%	2.075%
17	29.124	2277	2281	2291	rVB4	2531	14295	0.11%	0.021%
18	30.490	2397	2402	2435	rBV	4892524	12000457	90.77%	17.617%
19	31.099	2453	2456	2463	rVB3	9385	18955	0.14%	0.028%
20	34.418	2745	2750	2787	rVB	3195283	8784806	66.45%	12.897%

Sum of corrected areas: 68117635

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB27\02453.D
Operator :
Acquired : 27 Feb 2002 5:47 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 27, 2002
Vial Number: 4
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

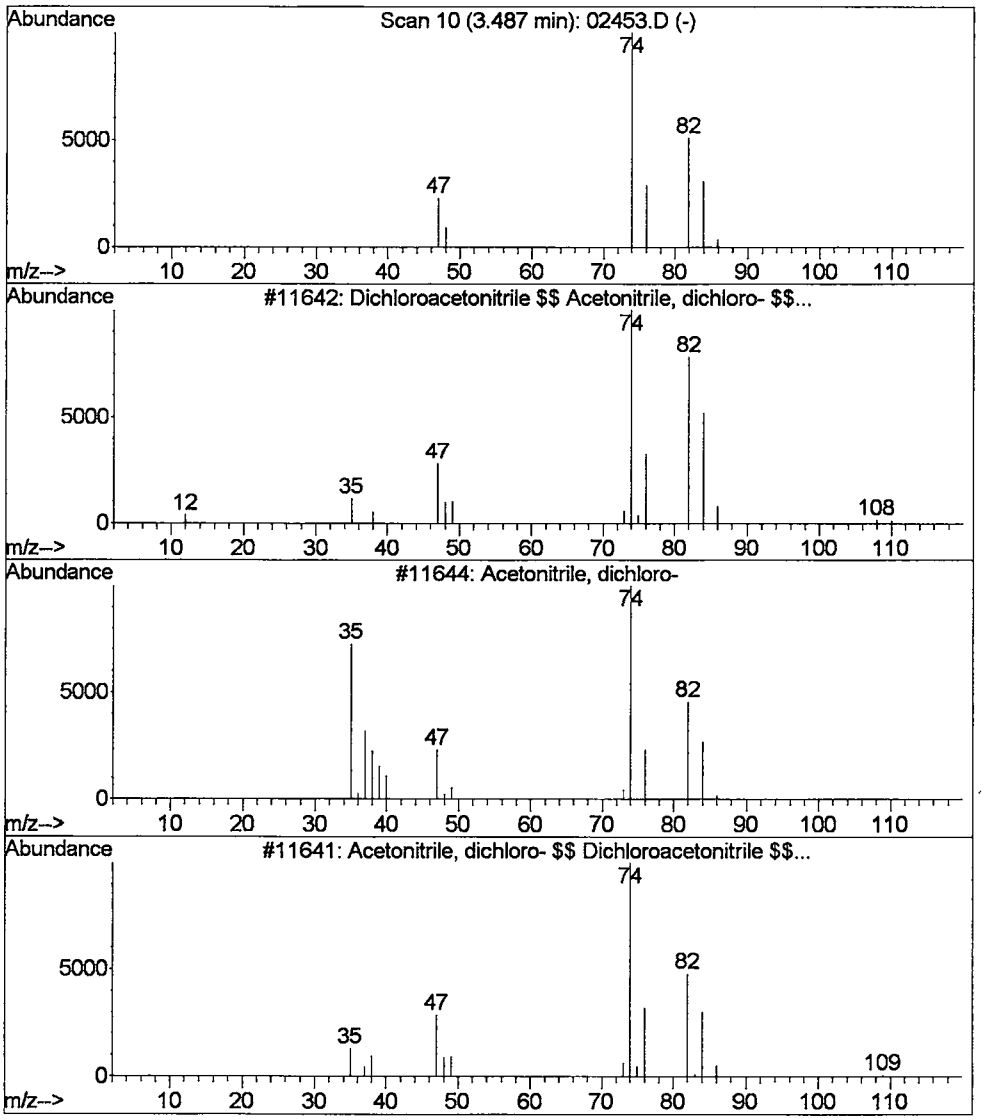
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

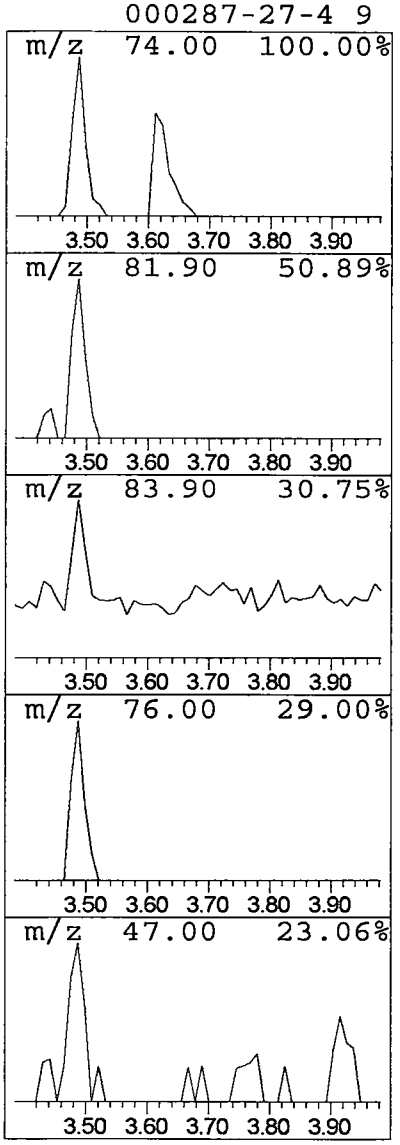
****

Peak Number 1 Dichloroacetonitrile $$ Ace... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	0.10 ug/L	38295	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	74
3	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	56
4	Thietane	74	C3H6S	000287-27-4	9





Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

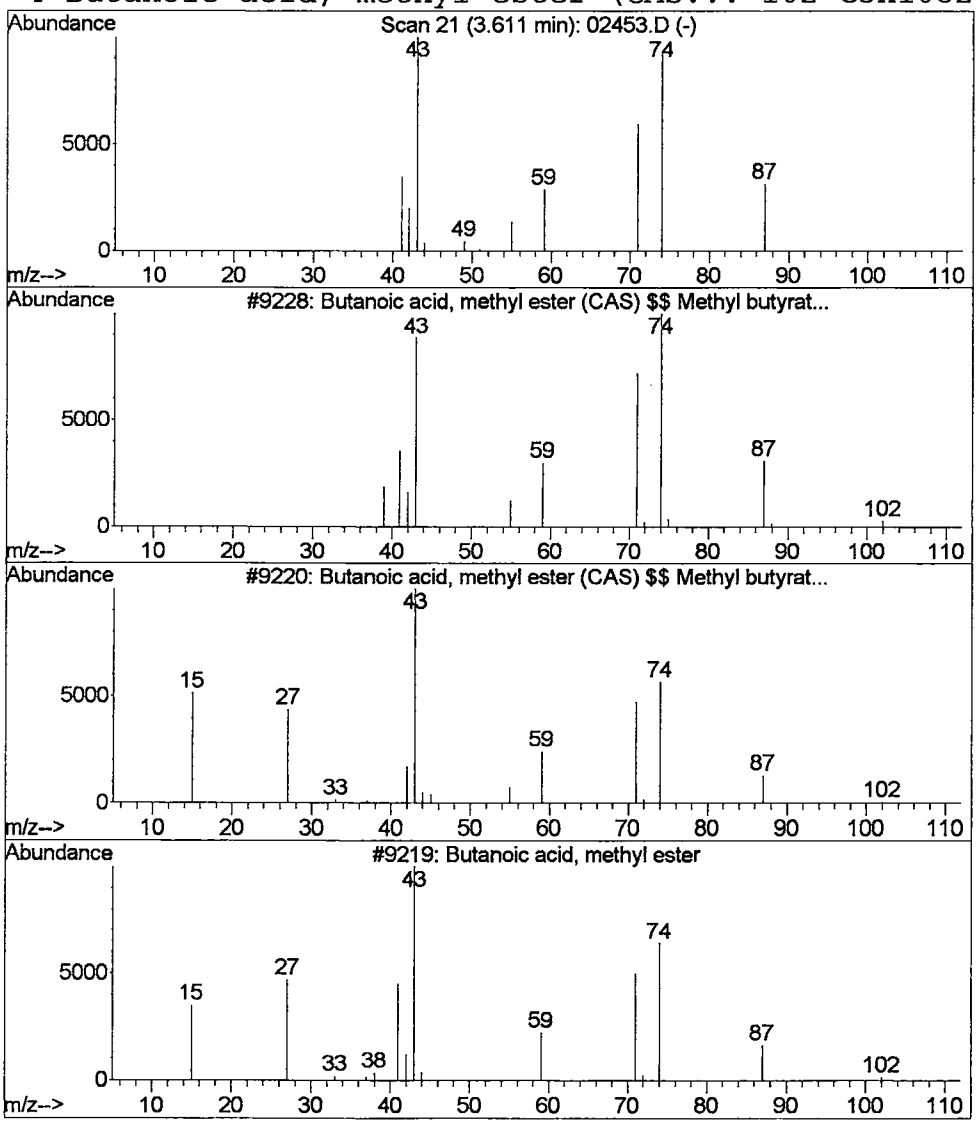
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

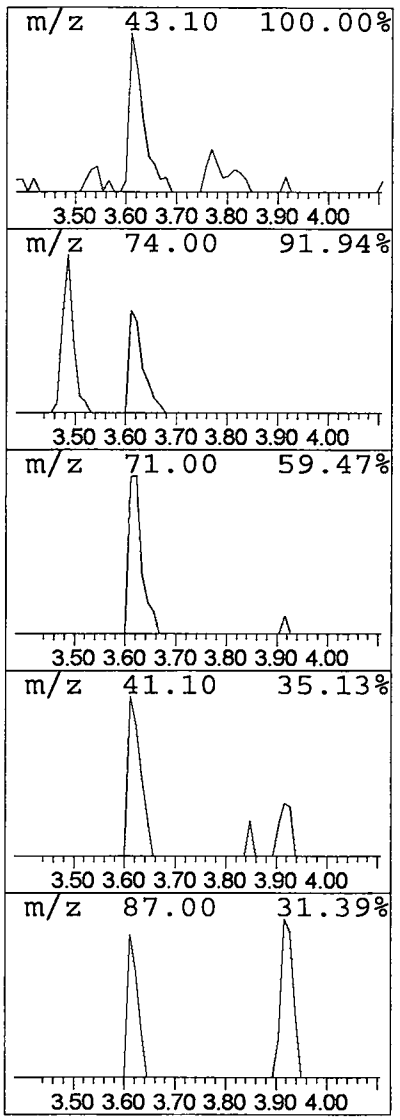
****

Peak Number 2 Butanoic acid, methyl ester... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	0.14 ug/L	55727	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	72
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

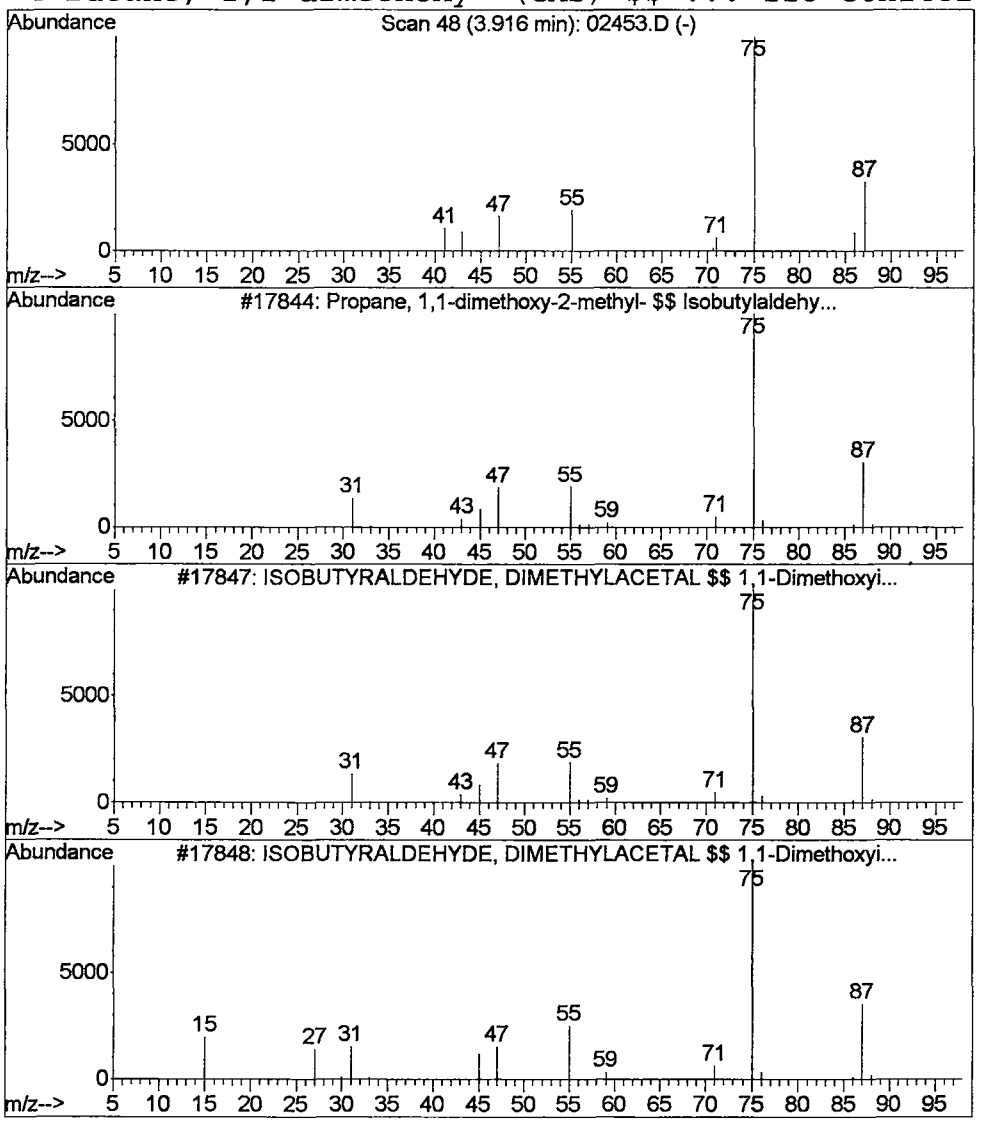
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

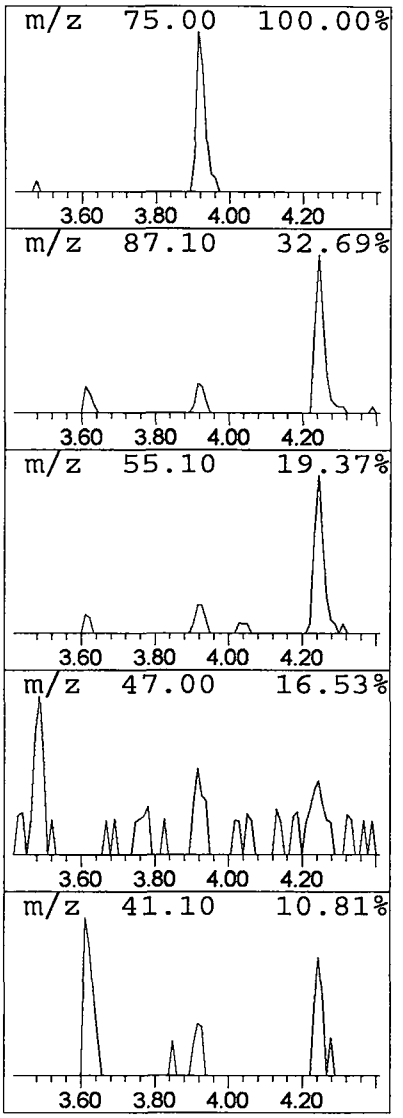
****

Peak Number 3 Propane, 1,1-dimethoxy-2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	0.07 ug/L	26335	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	74
2	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	74
3	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	64
4	Butane, 1,1-dimethoxy- (CAS) $$ ...	118	C6H14O2	004461-87-4	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

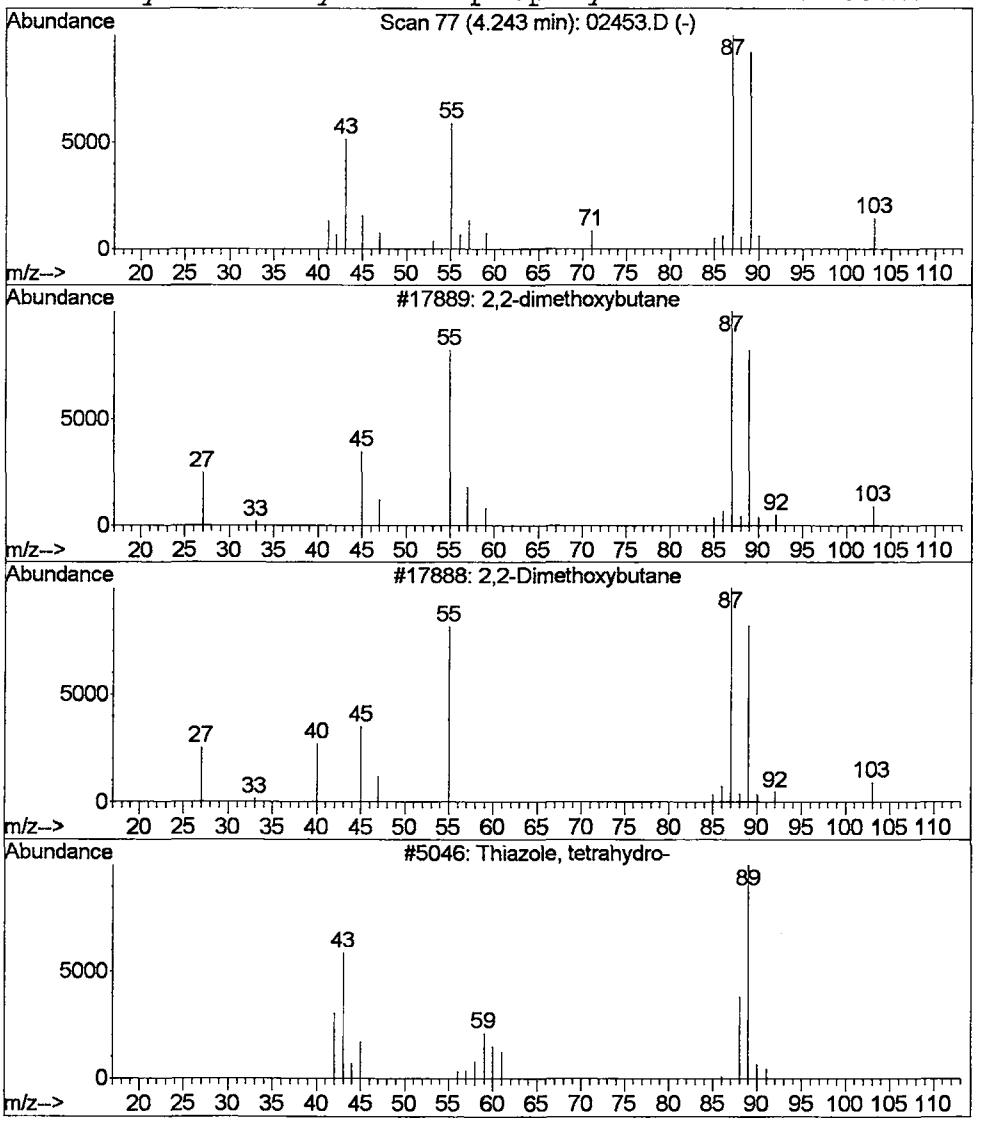
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

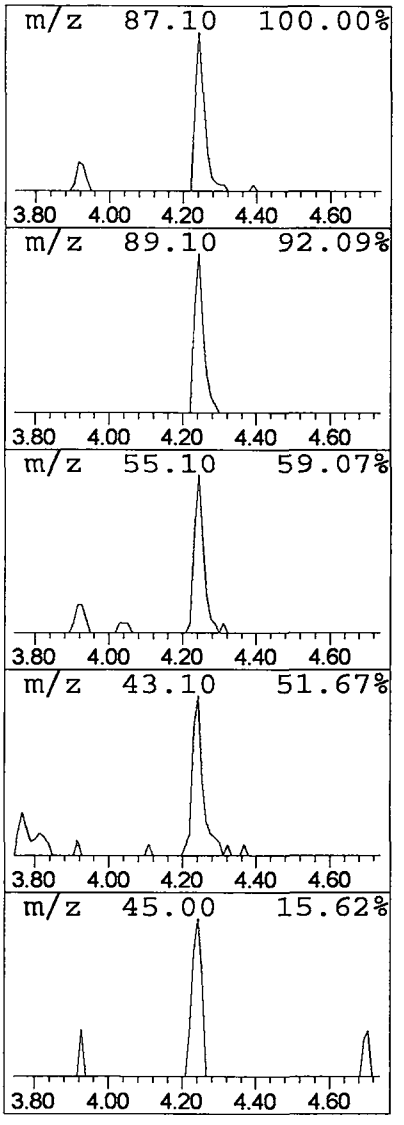
****

Peak Number 4 2,2-dimethoxybutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.29 ug/L	114839	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	83
2	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	83
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	53
4	Methyl 1-Methyl-d3-2-propenyl Ether	89	C5H7D3O	000000-00-0	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

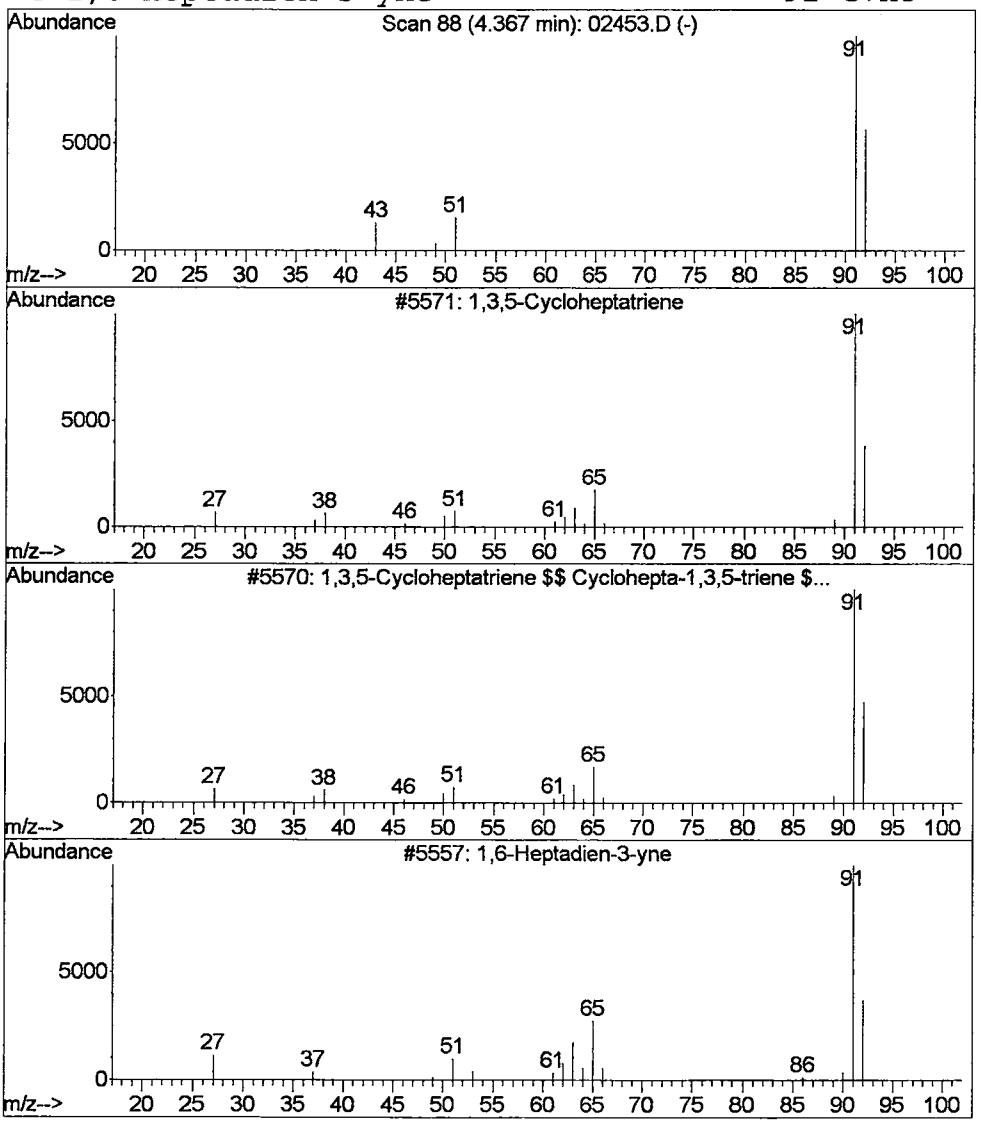
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

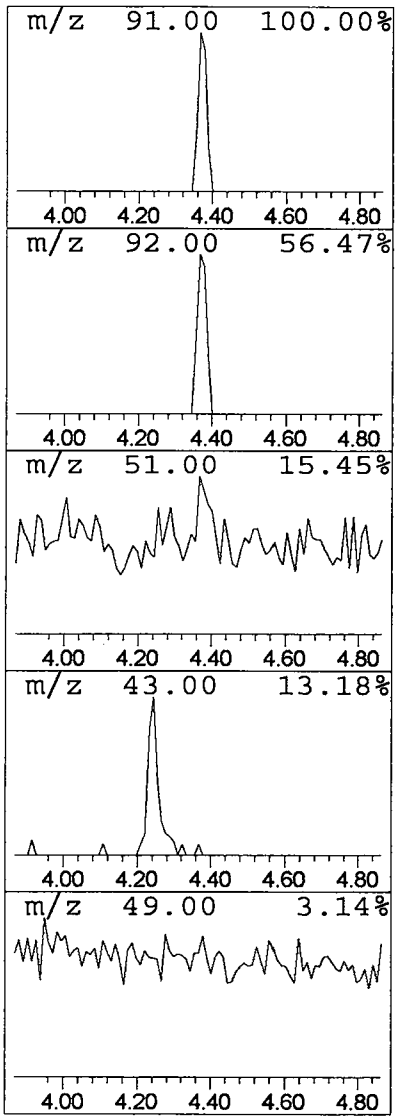
****

Peak Number 5 1,3,5-Cycloheptatriene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	0.03 ug/L	13322	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	7
2	1,3,5-Cycloheptatriene $$ Cycloh...	92	C7H8	000544-25-2	7
3	1,6-Heptadien-3-yne	92	C7H8	005150-80-1	5
4	1,6-Heptadien-3-yne	92	C7H8	005150-80-1	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

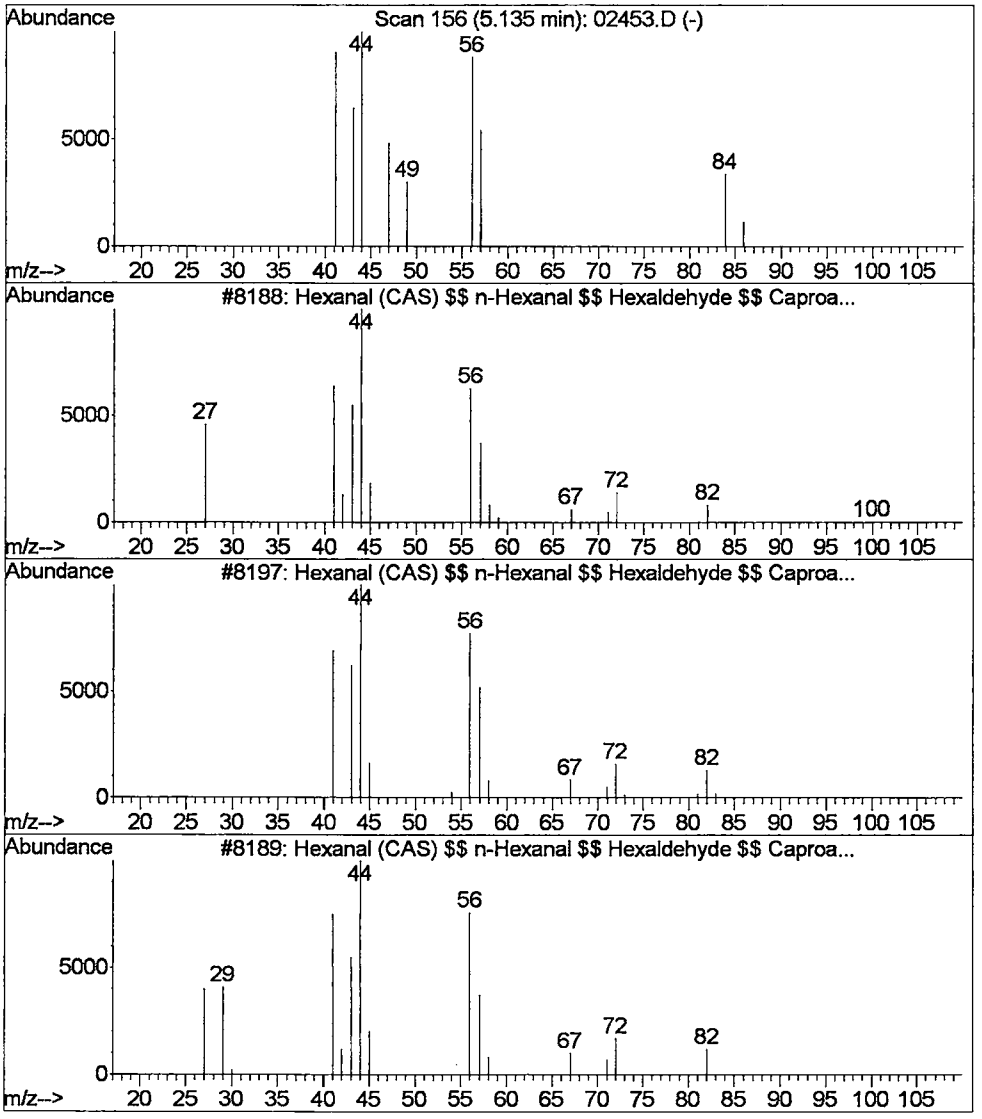
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

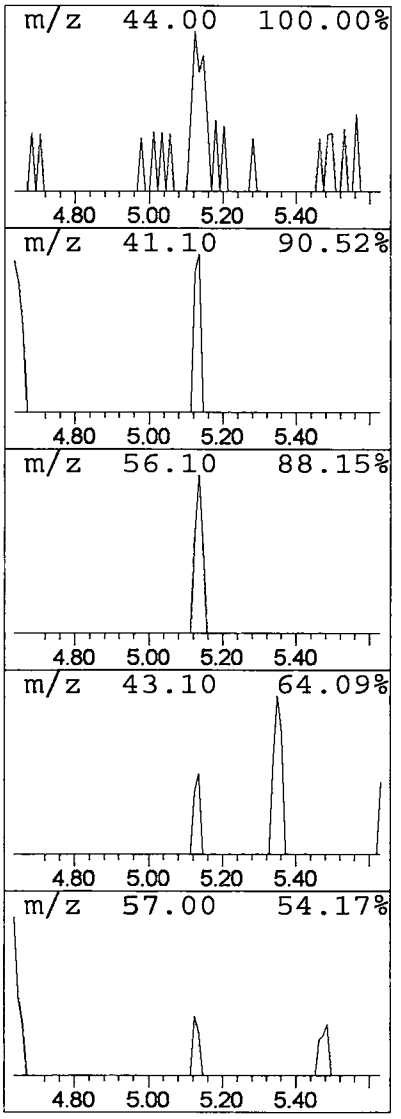
****

Peak Number 6 Hexanal (CAS) $$ n-Hexanal ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	0.04 ug/L	14336	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal (CAS) $$ n-Hexanal $$ He...	100	C6H12O	000066-25-1	23
2	Hexanal (CAS) $$ n-Hexanal $$ He...	100	C6H12O	000066-25-1	23
3	Hexanal (CAS) $$ n-Hexanal $$ He...	100	C6H12O	000066-25-1	23
4	Hexanal	100	C6H12O	000066-25-1	23





Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

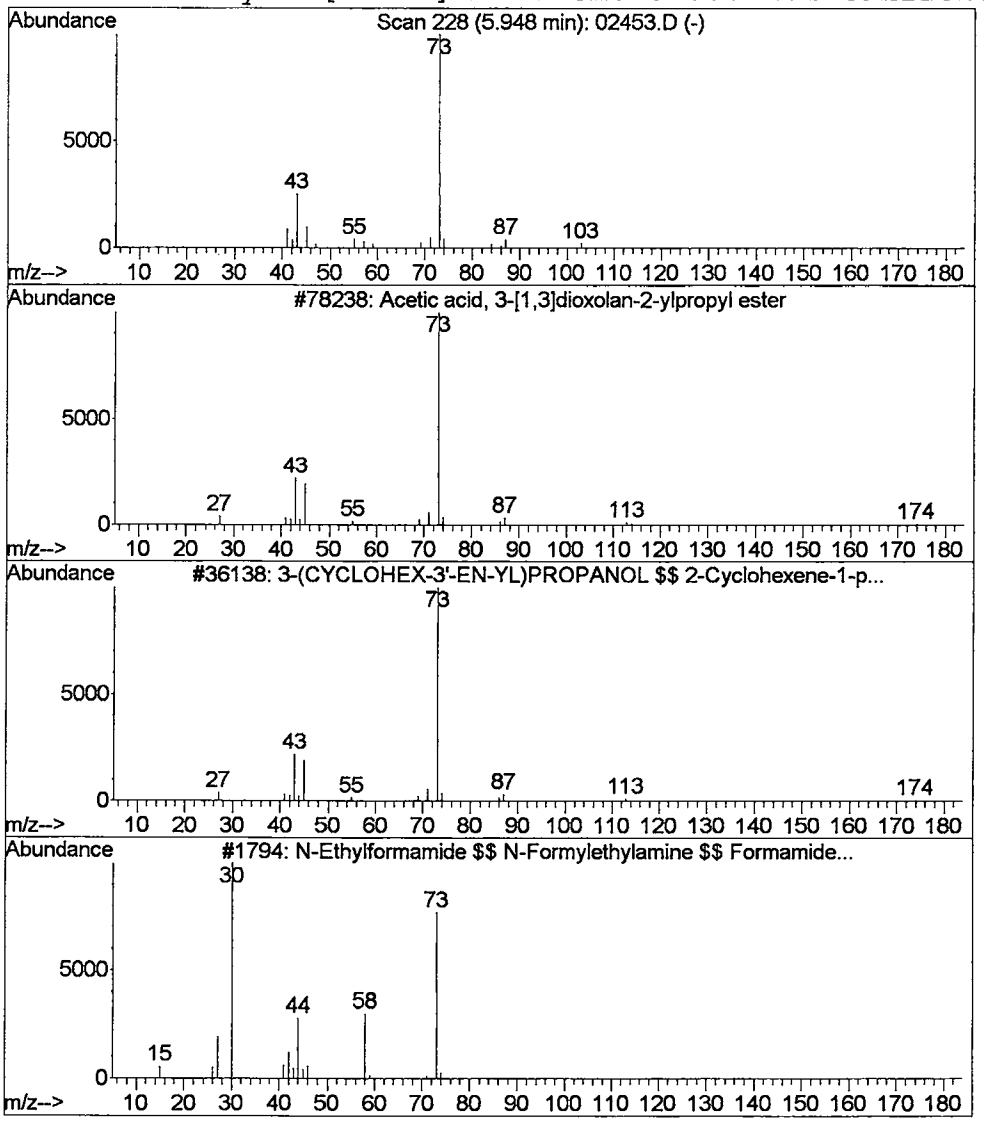
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

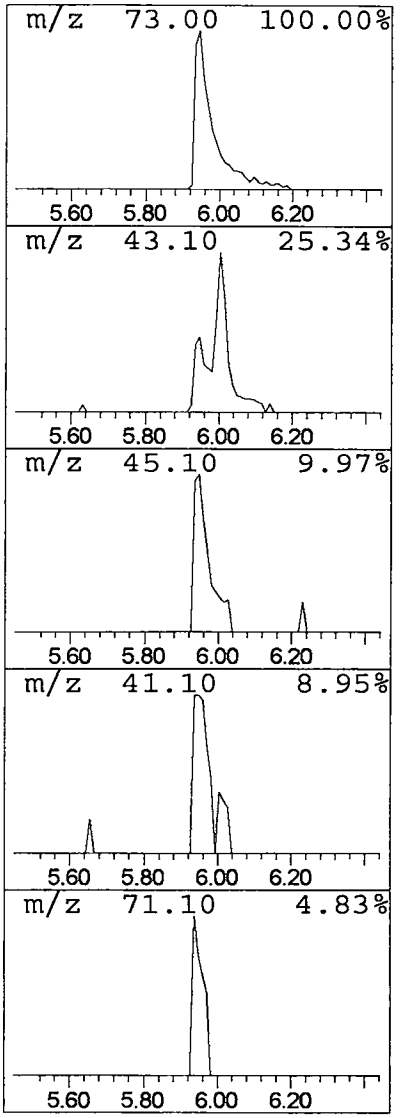
****

Peak Number 7 Acetic acid, 3-[1,3]dioxola... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	0.30 ug/L	118196	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	28
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	28
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
4	2-Thiabicyclo[3.1.0]hex-3-ene-6-...	184	C9H12O2S	056666-52-5	9





Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

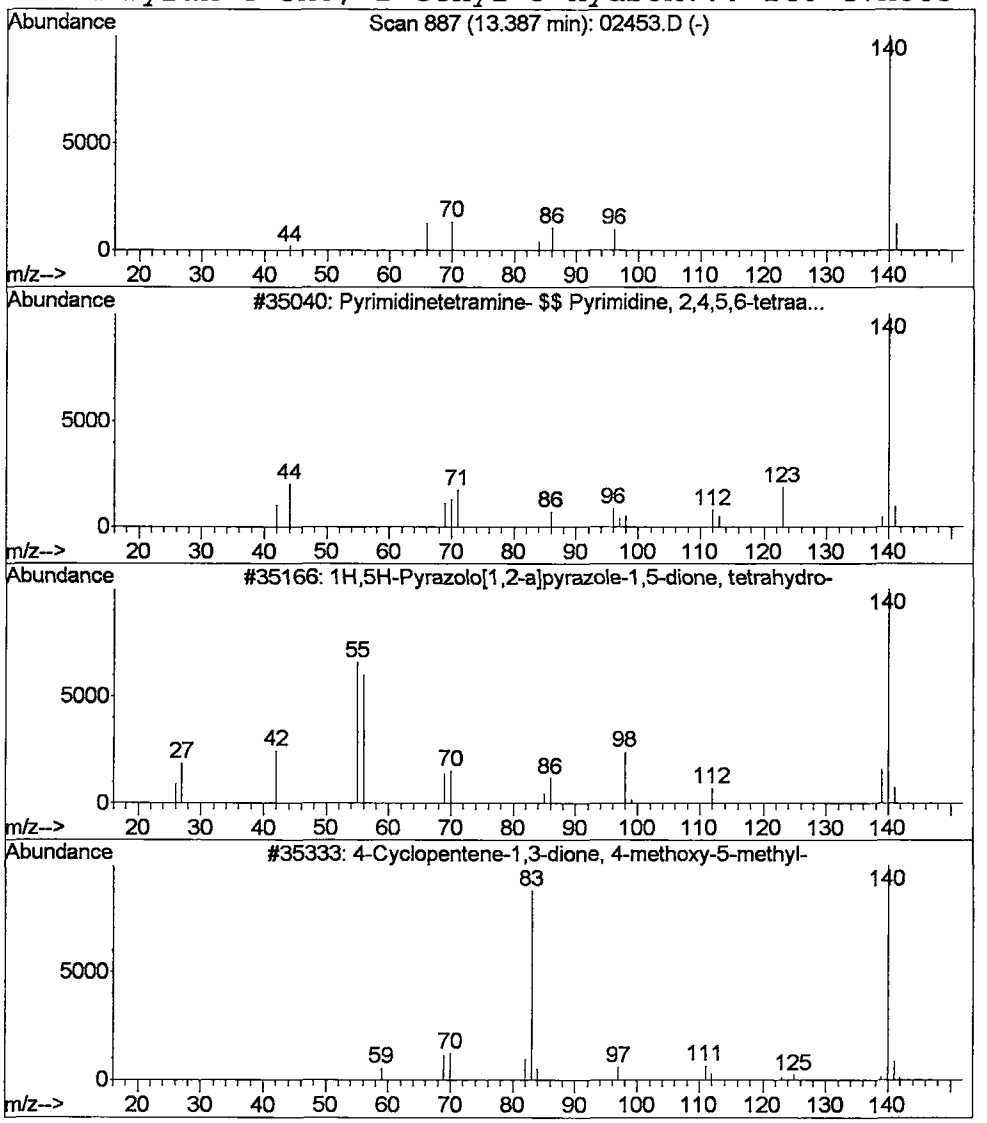
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

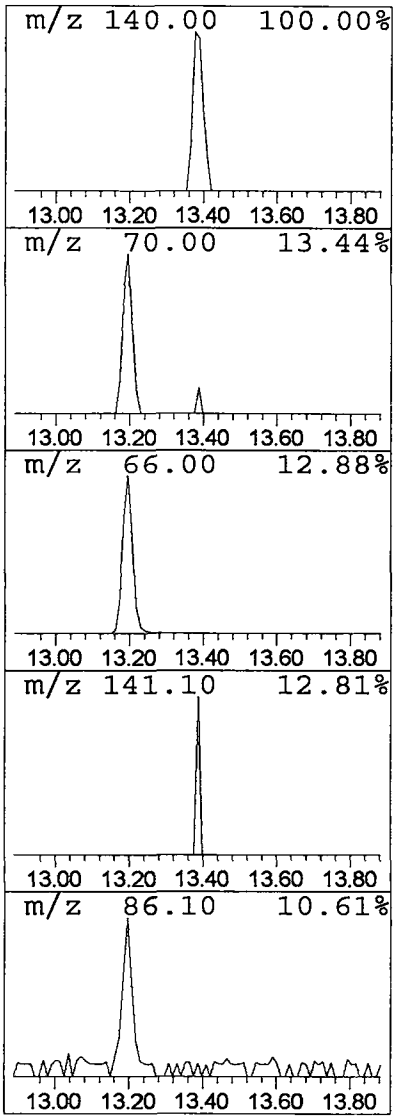
****

Peak Number 8 Pyrimidinetetramine- $$ Pyr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	0.08 ug/L	43487	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrimidinetetramine- $$ Pyrimidi...	140	C4H8N6	001004-74-6	78
2	1H,5H-Pyrazolo[1,2-a]pyrazole-1,...	140	C6H8N2O2	019720-72-0	50
3	4-Cyclopentene-1,3-dione, 4-meth...	140	C7H8O3	007180-62-3	9
4	4H-Pyran-4-one, 2-ethyl-3-hydrox...	140	C7H8O3	004940-11-8	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

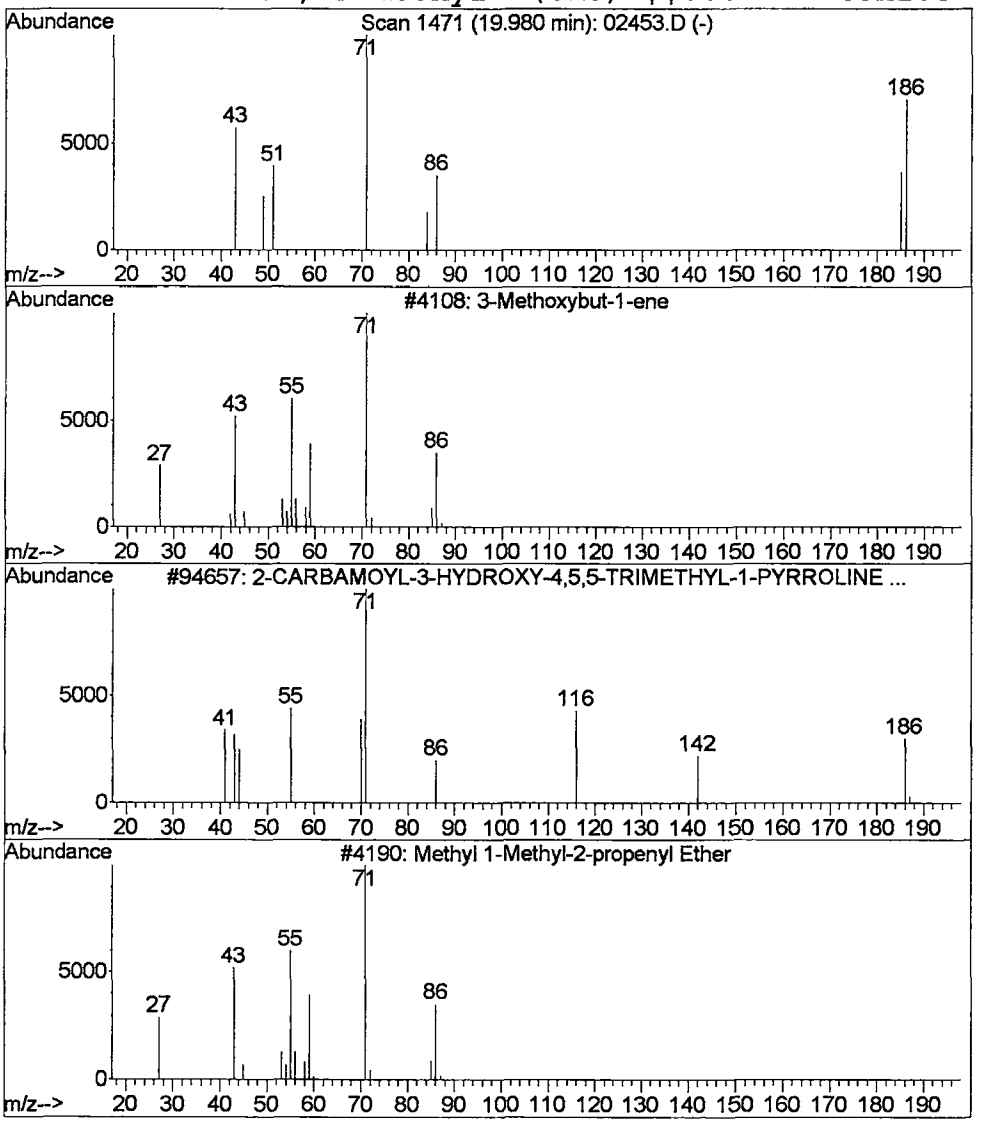
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

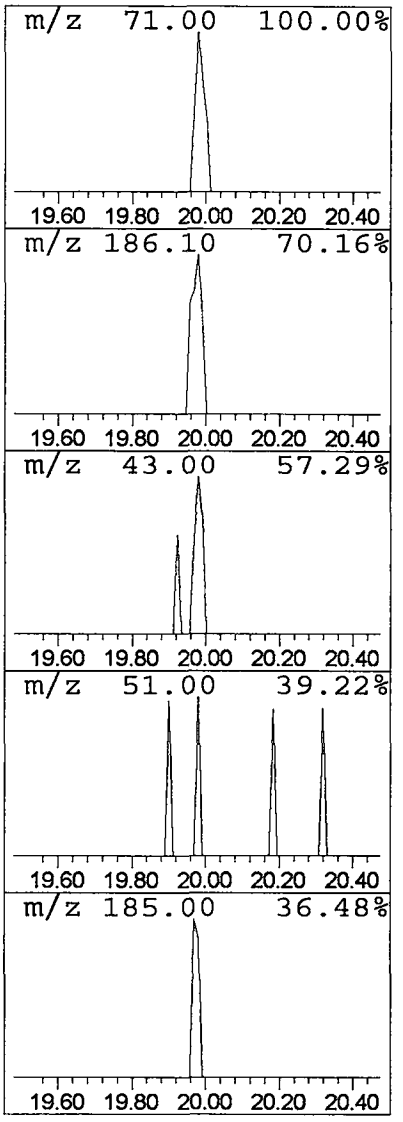
****

Peak Number 9 3-Methoxybut-1-ene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	0.02 ug/L	14413	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	7
2	2-CARBAMOYL-3-HYDROXY-4,5,5-TRIM...	186	C8H14N2O3	072700-98-2	7
3	Methyl 1-Methyl-2-propenyl Ether	86	C5H10O	000000-00-0	7
4	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	7





Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

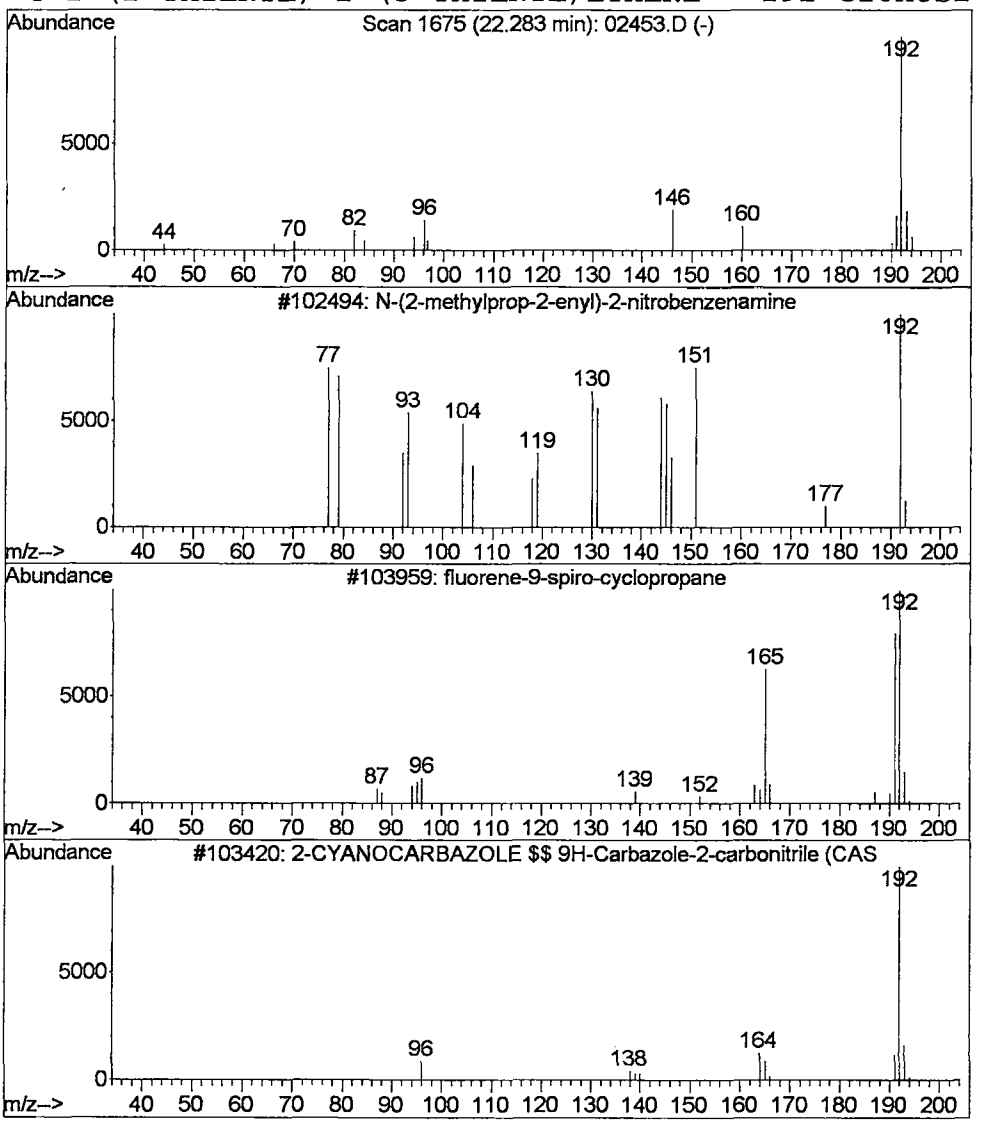
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

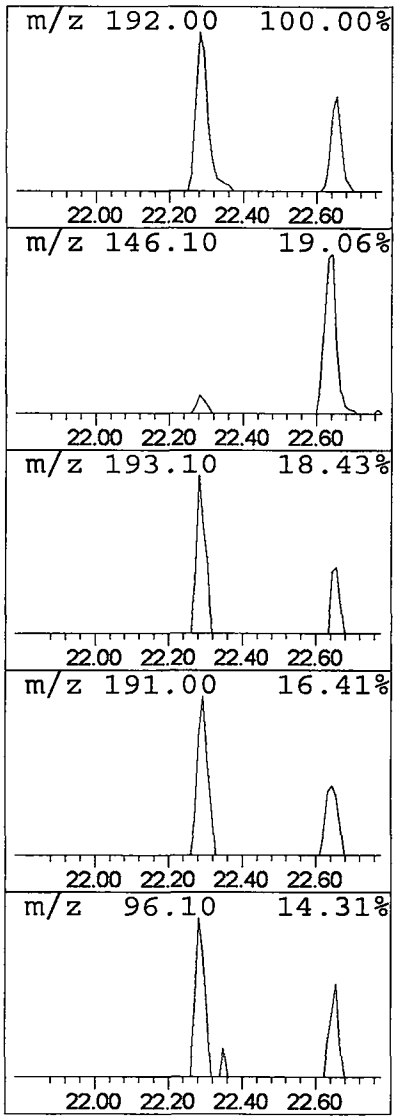
****

Peak Number 10 N-(2-methylprop-2-enyl)-2-n... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.12 ug/L	77838	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	43
2	fluorene-9-spiro-cyclopropane	192	C15H12	000000-00-0	42
3	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	42
4	1-(2-THIENYL)-2-(3-THIENYL)ETHENE	192	C10H8S2	087441-44-9	40





Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

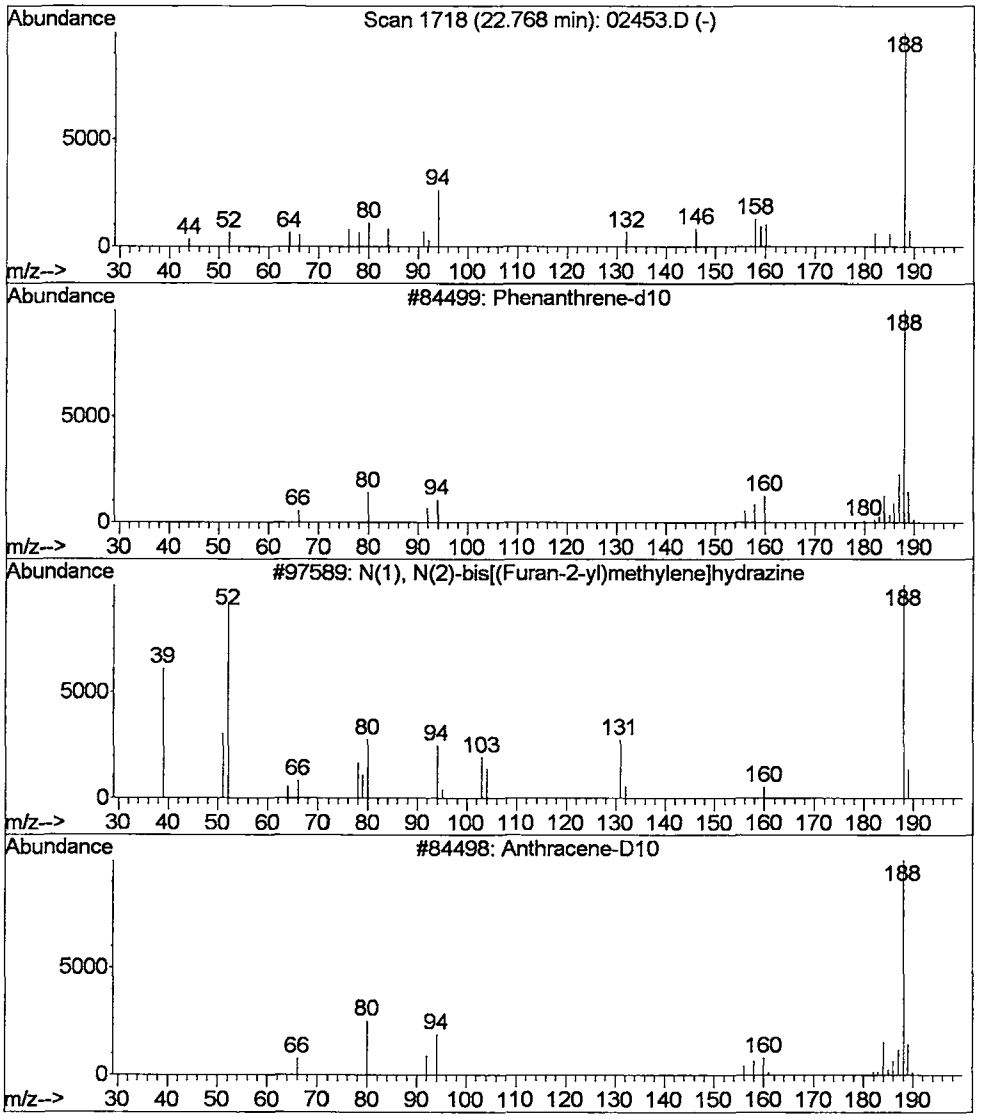
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

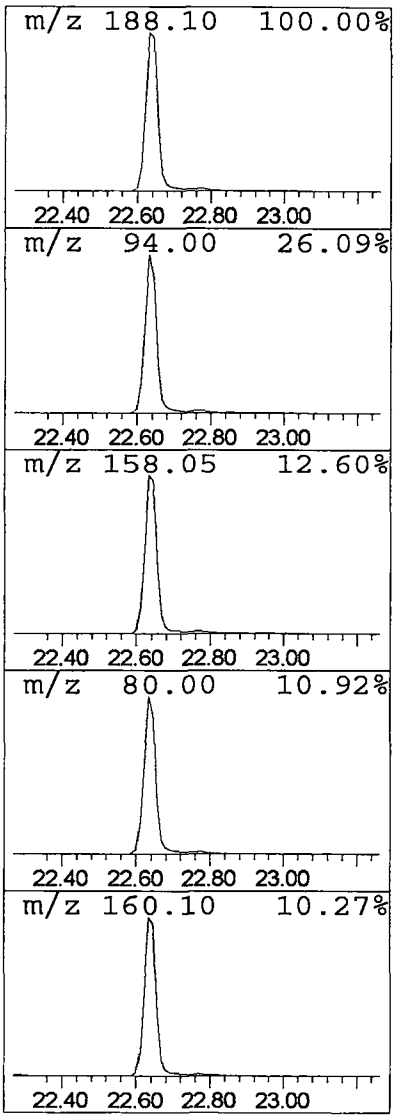
****

Peak Number 11 Phenanthrene-d10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.65 ug/L	432529	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	59
2	N(1), N(2)-bis[(Furan-2-yl)methy...	188	C10H8N2O2	000000-00-0	50
3	Anthracene-D10	188	C14D10	000000-00-0	50
4	Anthracene-d10-	188	C14D10	001719-06-8	45





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

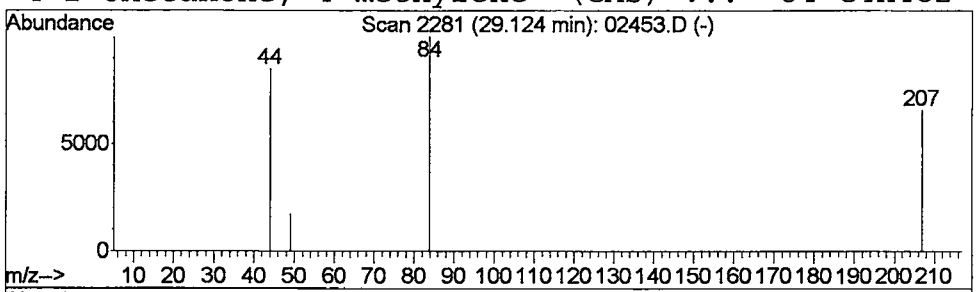
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

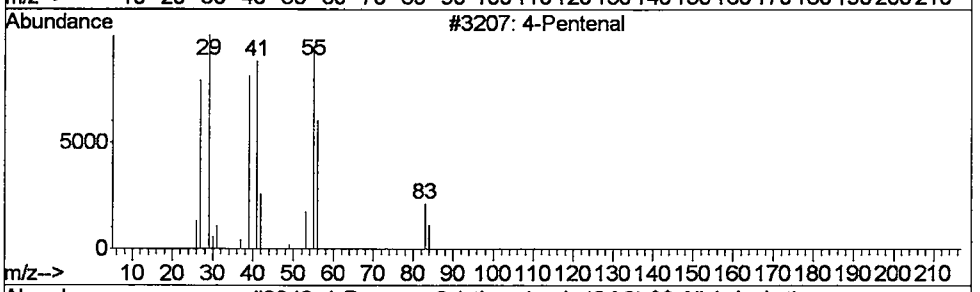
****

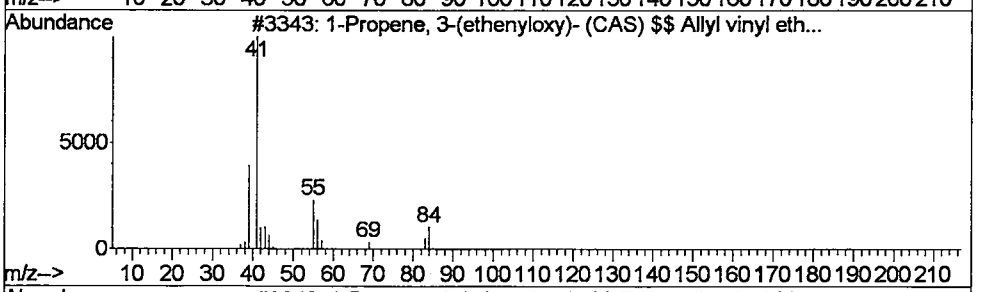
Peak Number 12 4-Pentenal Concentration Rank 12

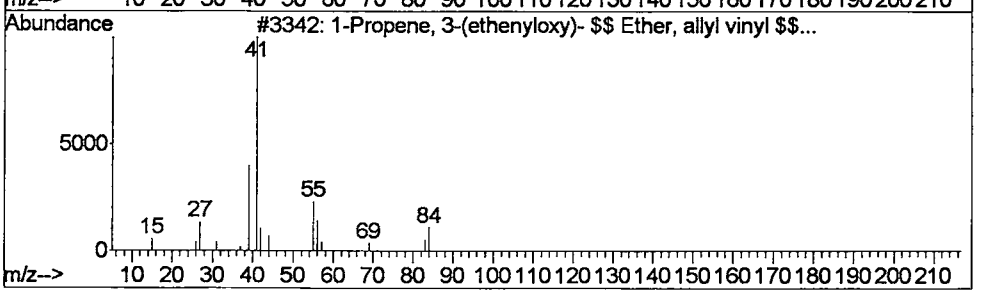
R.T.	EstConc	Area	Relative to ISTD	R.T.
29.12	0.02 ug/L	14295	Chrysene-d12	30.49

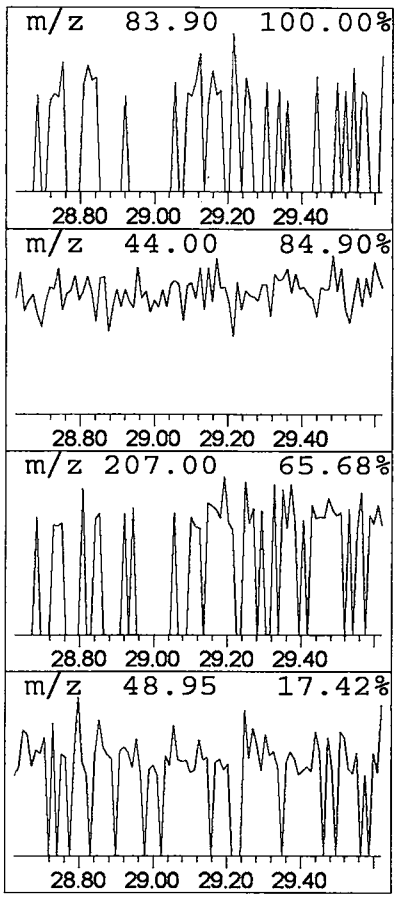
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pentenal	84	C5H8O	002100-17-6	3
2	1-Propene, 3-(ethenyloxy)- (CAS)...	84	C5H8O	003917-15-5	3
3	1-Propene, 3-(ethenyloxy)- $$ Et...	84	C5H8O	003917-15-5	3
4	2-Oxetanone, 4-methylene- (CAS) ...	84	C4H4O2	000674-82-8	3











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02453.D Vial: 4
Acq On : 27 Feb 2002 5:47 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

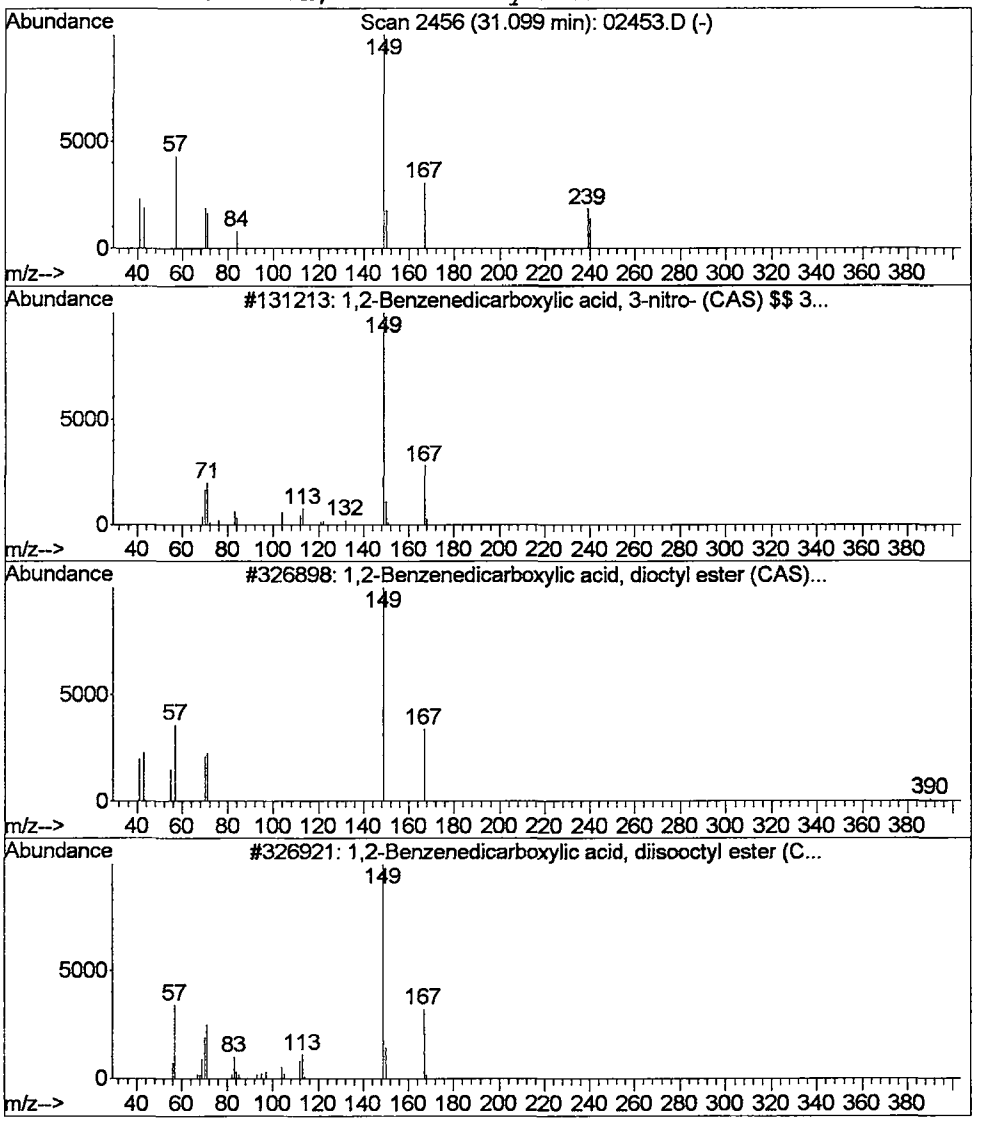
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

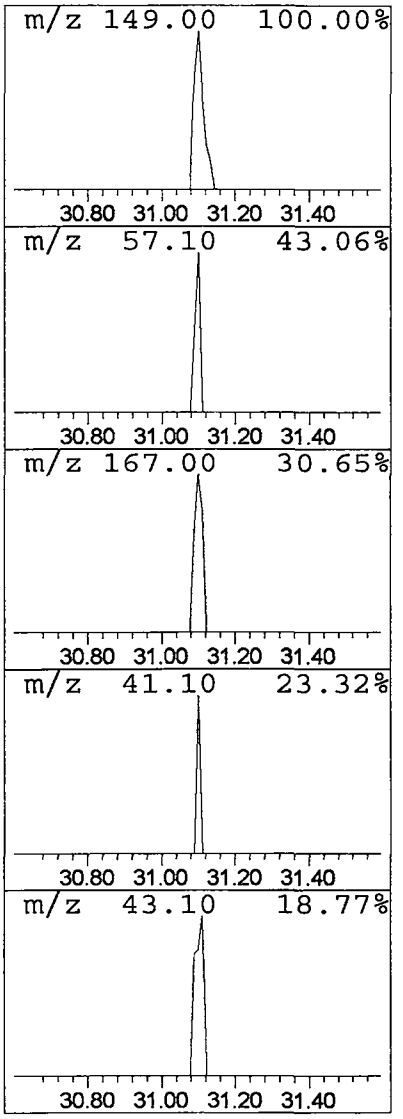
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.10	0.03 ug/L	18955	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, 3-...	211	C8H5NO6	000603-11-2	56
2	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	000117-84-0	45
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	38
4	Phthalic acid, diisooctyl ester ...	390	C24H38O4	001330-91-2	38





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Feb 2002 5:47 pm
Data File: C:\MSDCHEM\1\5973N\02FEB27\02453.D
Name: 508 scan
Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Dichloroacetonitr...	3.49	0.1	ug/L	38295	1	9.72	7878730	20.0
Butanoic acid, me...	3.61	0.1	ug/L	55727	1	9.72	7878730	20.0
Propane, 1,1-dime...	3.92	0.1	ug/L	26335	1	9.72	7878730	20.0
2,2-dimethoxybutane	4.24	0.3	ug/L	114839	1	9.72	7878730	20.0
1,3,5-Cycloheptat...	4.37	0.0	ug/L	13322	1	9.72	7878730	20.0
Hexanal (CAS) $$ ...	5.13	0.0	ug/L	14336	1	9.72	7878730	20.0
Acetic acid, 3-[1...	5.95	0.3	ug/L	118196	1	9.72	7878730	20.0
Pyrimidinetetrami...	13.39	0.1	ug/L	43487	2	13.20	11388800	20.0
3-Methoxybut-1-ene	19.98	0.0	ug/L	14413	3	18.34	12448700	20.0
N-(2-methylprop-2...	22.28	0.1	ug/L	77838	4	22.63	13220300	20.0
Phenanthrene-d10	22.77	0.7	ug/L	432529	4	22.63	13220300	20.0
4-Pentenal	29.12	0.0	ug/L	14295	5	30.49	12000500	20.0
1,2-Benzenedicarb...	31.10	0.0	ug/L	18955	5	30.49	12000500	20.0

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 12:16:17

Sample: AE02454
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 12:15 Ended: 3/7/02 12:15 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		74		5.0

Comments for Sample AE02454 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 12:16:20

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoverie for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 2 were below.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:54 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

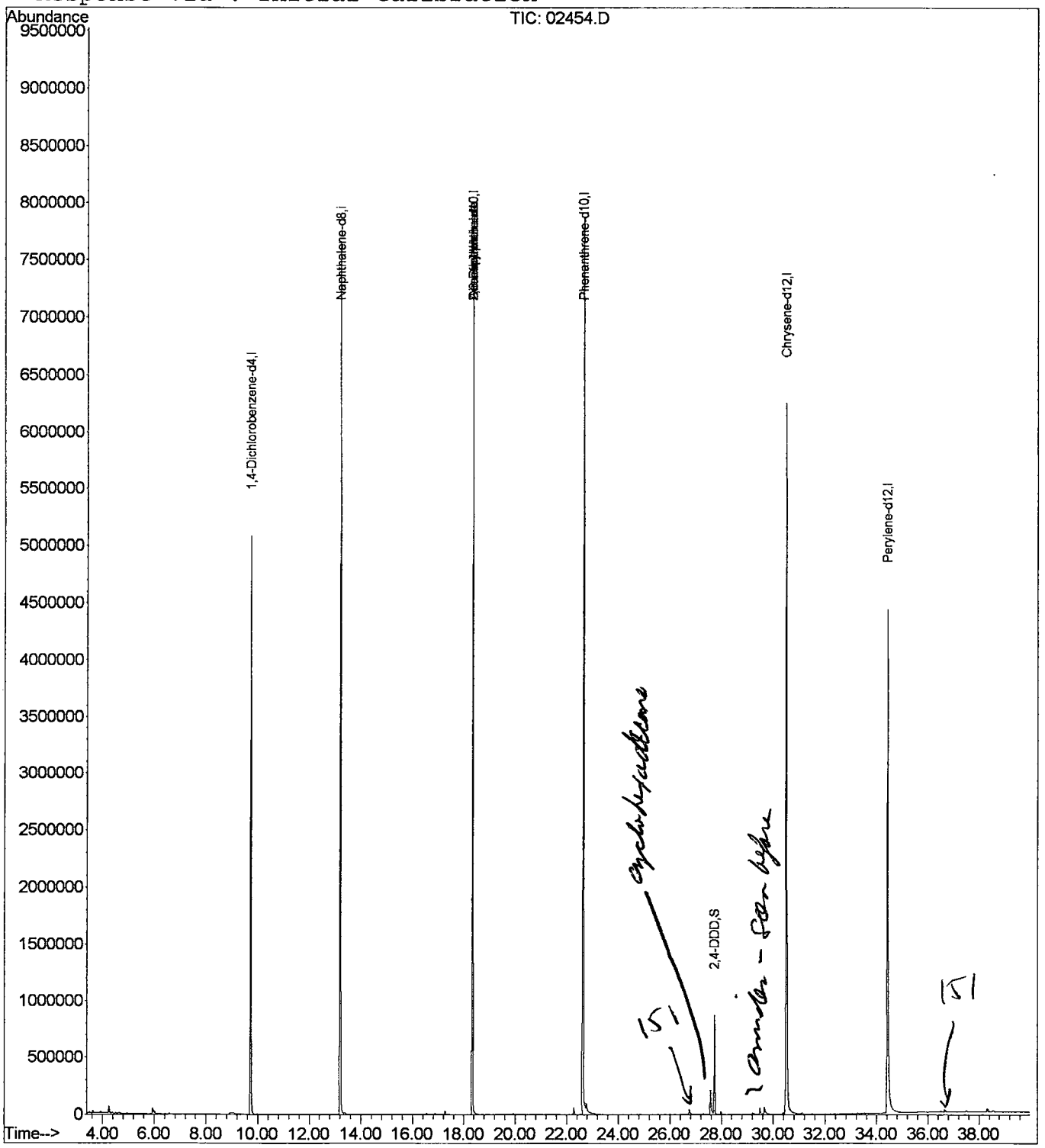
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1740318	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	7606986	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3936771	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	6662619	20.00	ug/L	0.00
38) Chrysene-d12	30.50	240	5299241	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	3495150	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	326571	3.68	ug/L	0.00
Spiked Amount 5.000			Recovery = 73.60%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	636170	2.66	ug/L #	57
21) 2,6-Dinitrotoluene	18.34	165	503896	9.14	ug/L #	27

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

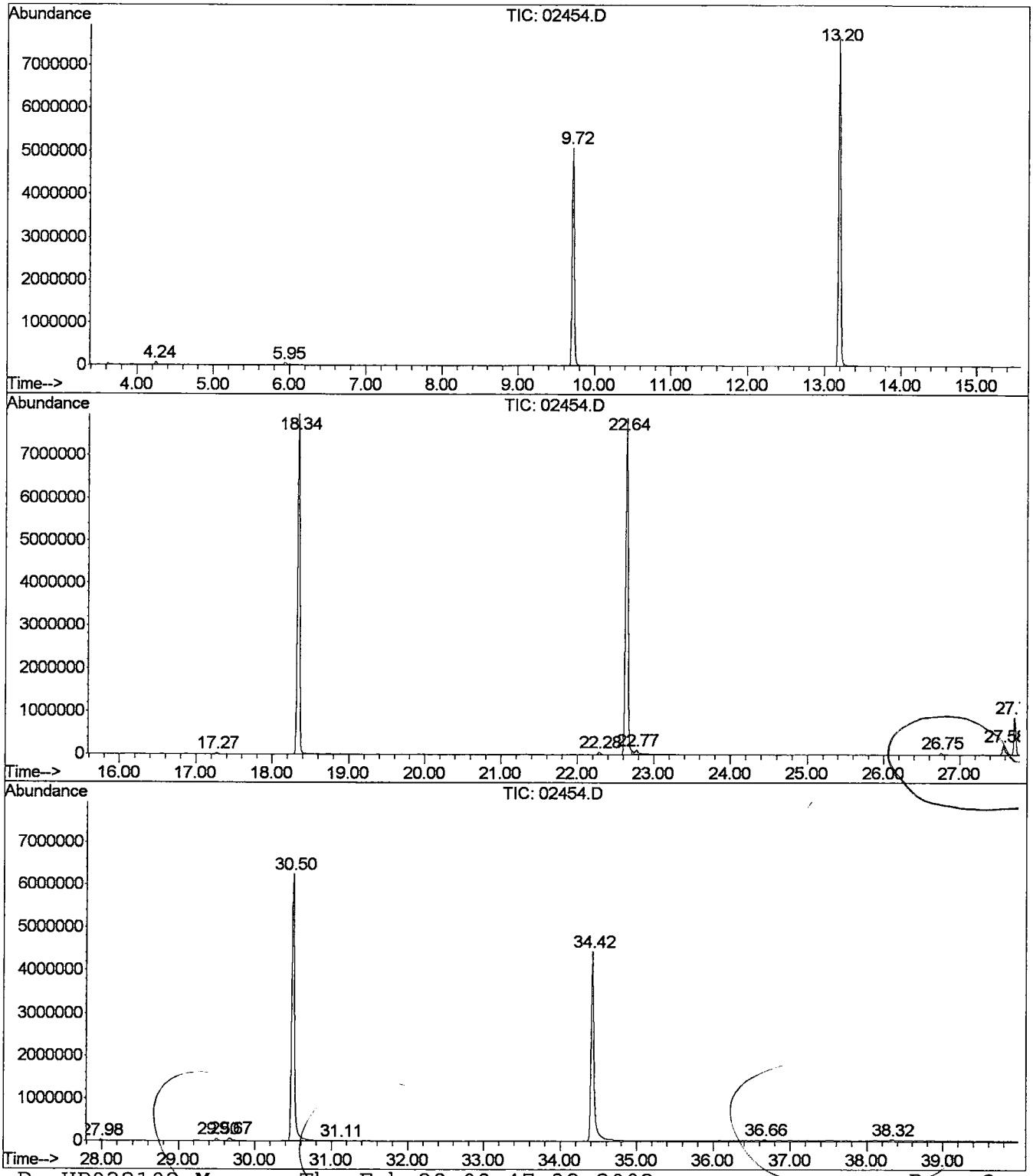
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.243	73	77	85	rVV2	62319	119496	0.68%	0.134%
2	5.948	225	228	239	rVV2	47479	170109	0.97%	0.191%
3	9.718	557	562	567	rBV	5083023	9697363	55.28%	10.868%
4	13.195	865	870	875	rBV	7657692	14383394	81.99%	16.120%
5	17.270	1227	1231	1237	rBV	35153	68499	0.39%	0.077%
6	18.343	1321	1326	1331	rBV	7935358	16098870	91.77%	18.042%
7	22.283	1671	1675	1681	rBV2	59638	115648	0.66%	0.130%
8	22.644	1701	1707	1713	rBV2	7862932	17543249	100.00%	19.661%
9	22.768	1715	1718	1739	rVB	96284	406632	2.32%	0.456%
10	26.753	2067	2071	2087	rVB2	44217	127235	0.73%	0.143%
11	27.577	2139	2144	2153	rBV	221567	604923	3.45%	0.678%
12	27.724	2153	2157	2163	rVB	871132	1612044	9.19%	1.807%
13	27.984	2177	2180	2185	rBV	28373	59639	0.34%	0.067%
14	29.496	2309	2314	2321	rBV	58115	145390	0.83%	0.163%
15	29.666	2325	2329	2355	rVB3	65007	247935	1.41%	0.278%
16	30.501	2397	2403	2439	rVV	6250100	15774815	89.92%	17.679%
17	31.111	2451	2457	2467	rVB4	11772	49090	0.28%	0.055%
18	34.418	2743	2750	2781	rBV	4432987	11877521	67.70%	13.311%
19	36.665	2945	2949	2957	rVB5	22324	46084	0.26%	0.052%
20	38.324	3091	3096	3101	rBV7	27797	80028	0.46%	0.090%

Sum of corrected areas: 89227964

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB27\02454.D
Operator :
Acquired : 27 Feb 2002 6:38 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 27, 2002
Vial Number: 5
Quant File :HP022102.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

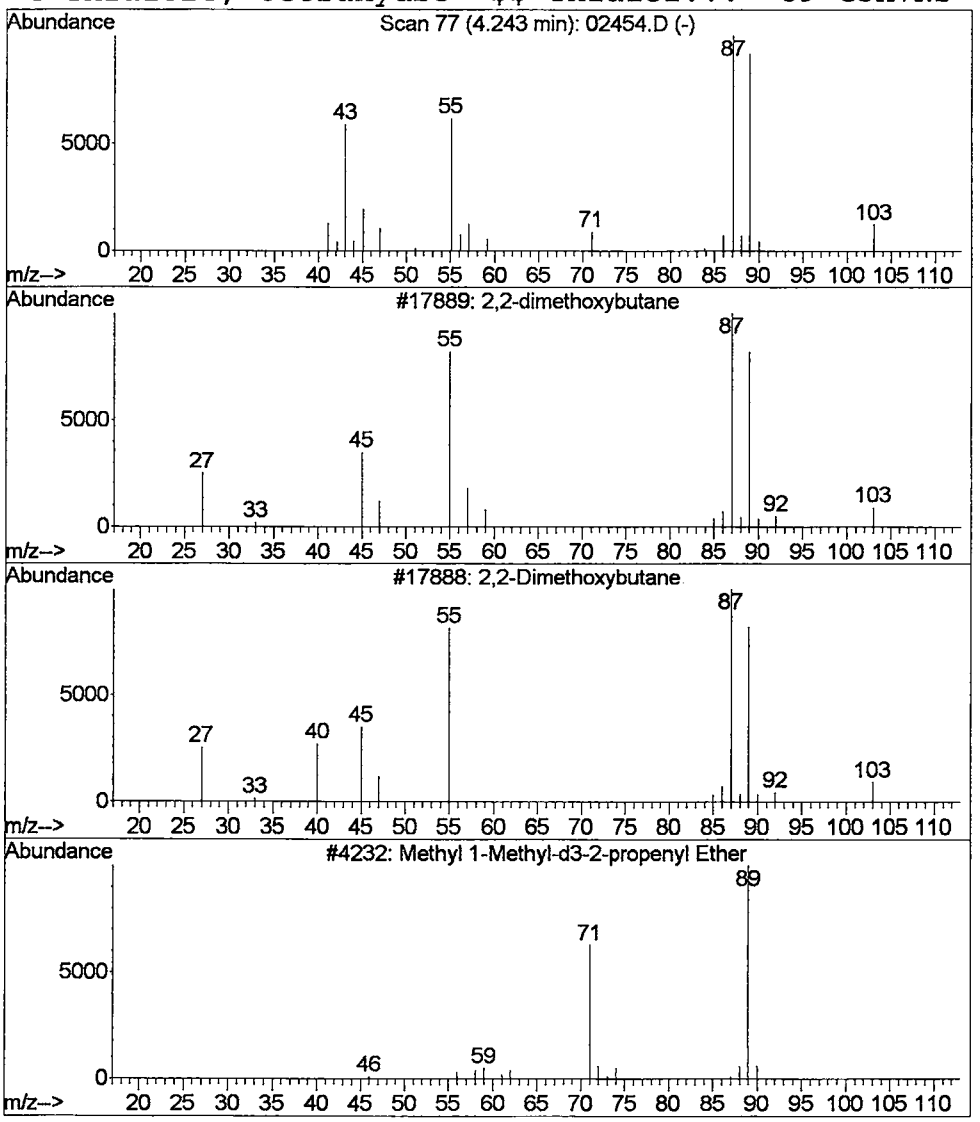
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

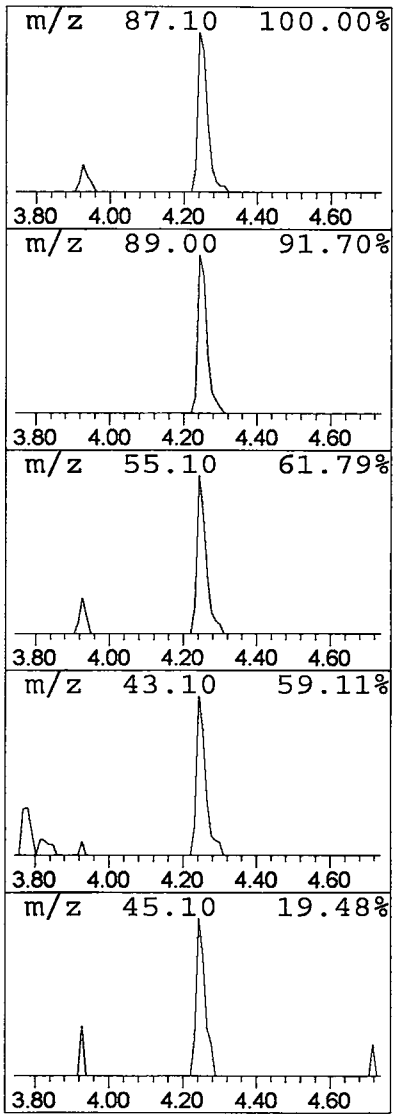
****

Peak Number 1 2,2-dimethoxybutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.25 ug/L	119496	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	83
2	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	74
3	Methyl 1-Methyl-d3-2-propenyl Ether	89	C5H7D3O	000000-00-0	45
4	Thiazole, tetrahydro- $$ Thiazol...	89	C3H7NS	000504-78-9	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

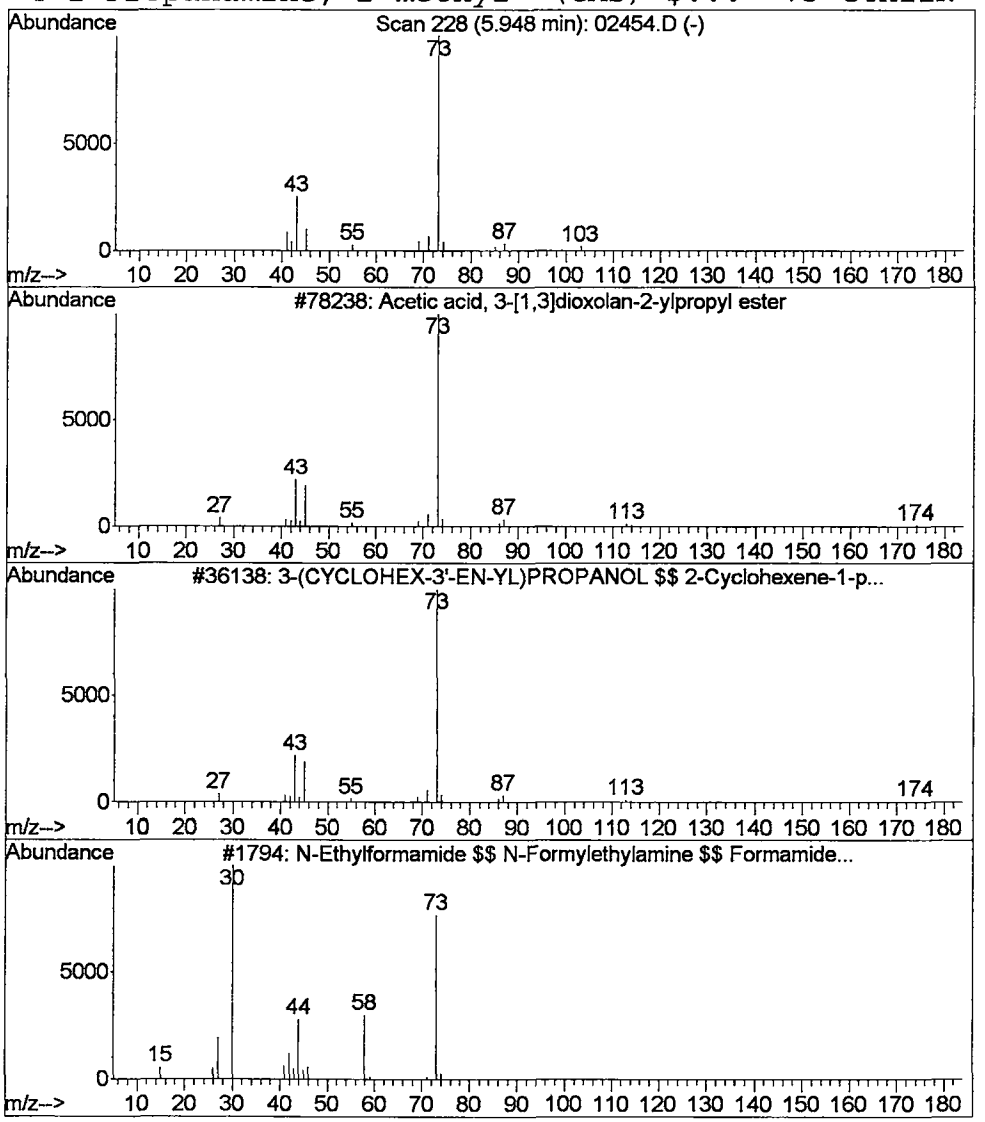
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

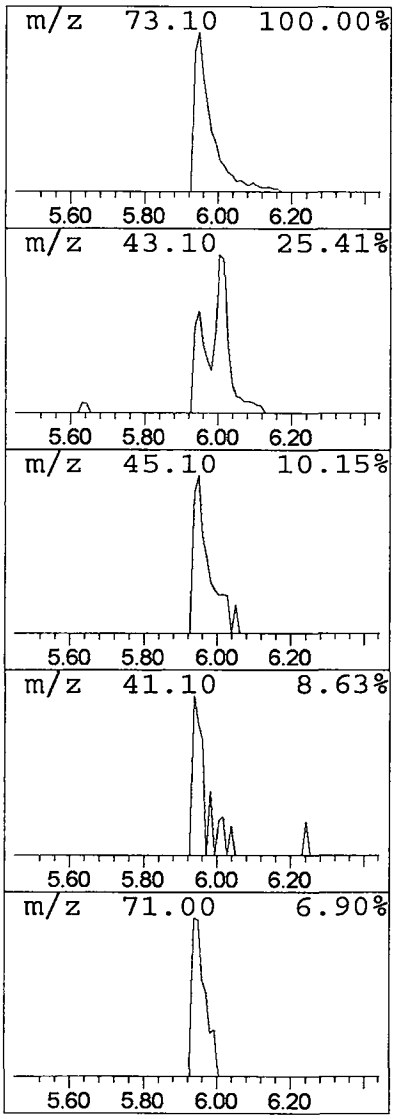
****

Peak Number 2 Acetic acid, 3-[1,3]dioxola... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	0.35 ug/L	170109	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	36
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	36
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	5
4	1-Propanamine, 2-methyl- (CAS) $...	73	C4H11N	000078-81-9	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

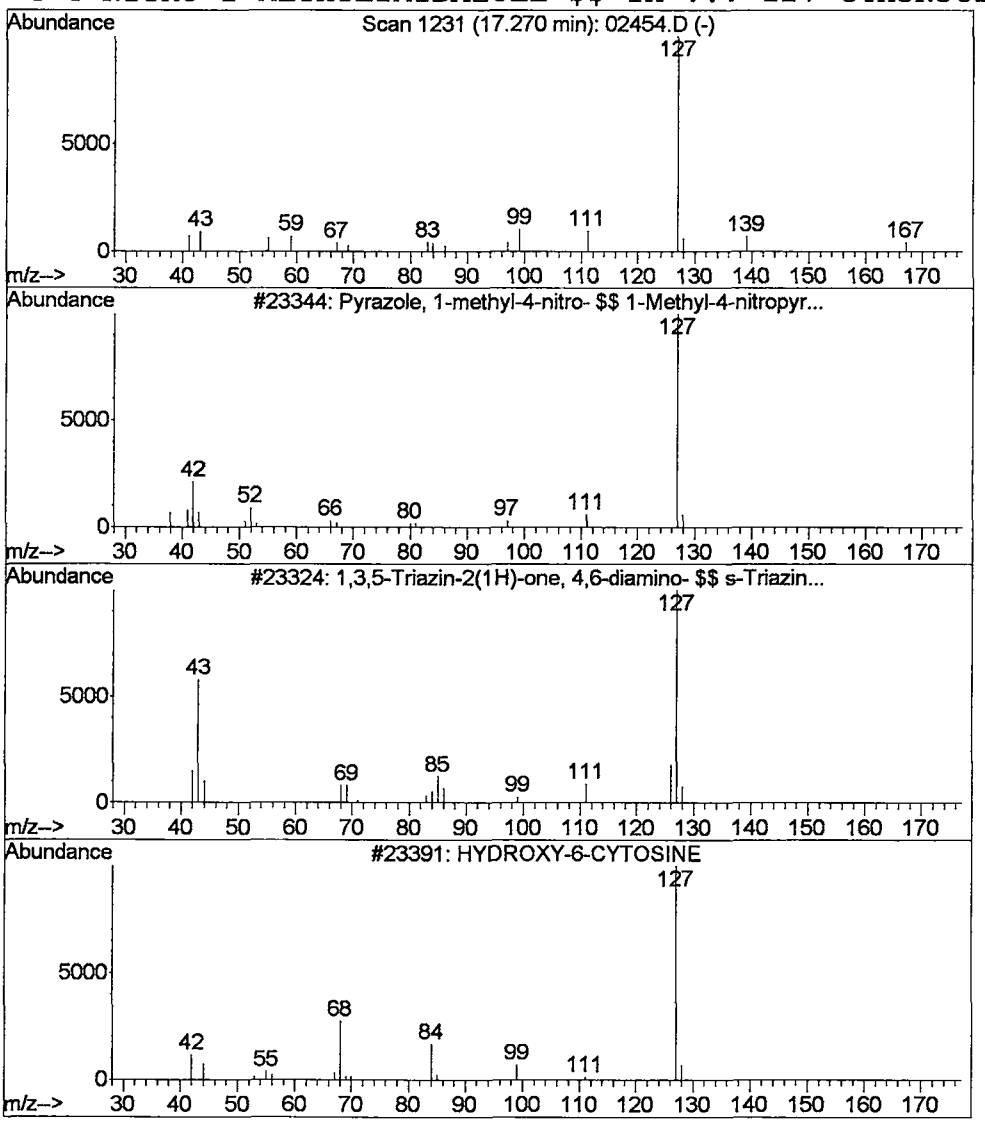
****

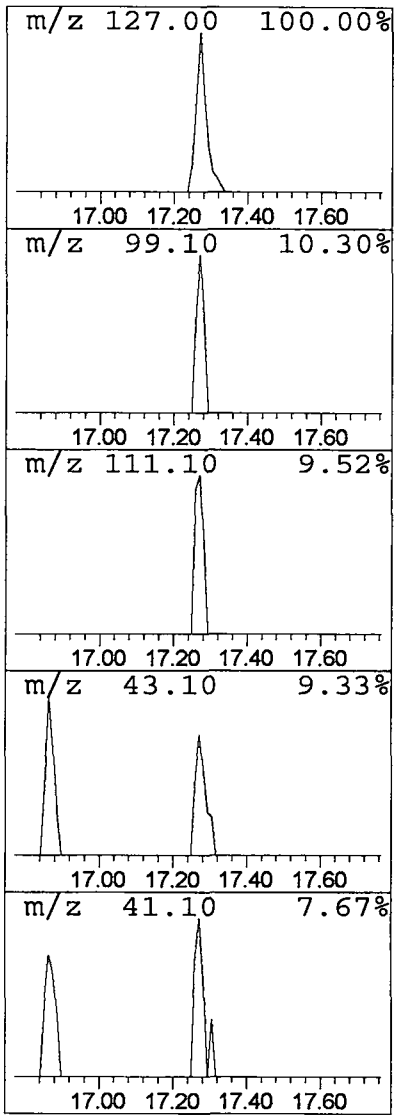
Peak Number 3 Pyrazole, 1-methyl-4-nitro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	0.09 ug/L	68499	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazole, 1-methyl-4-nitro- $$ 1...	127	C4H5N3O2	003994-50-1	59
2	1,3,5-Triazin-2(1H)-one, 4,6-dia...	127	C3H5N5O	000645-92-1	59
3	HYDROXY-6-CYTOSINE	127	C4H5N3O2	000000-00-0	53
4	4-NITRO-1-METHYLIMIDAZOLE $$ 1H-...	127	C4H5N3O2	003034-41-1	50

NO GOOD MATCH





Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

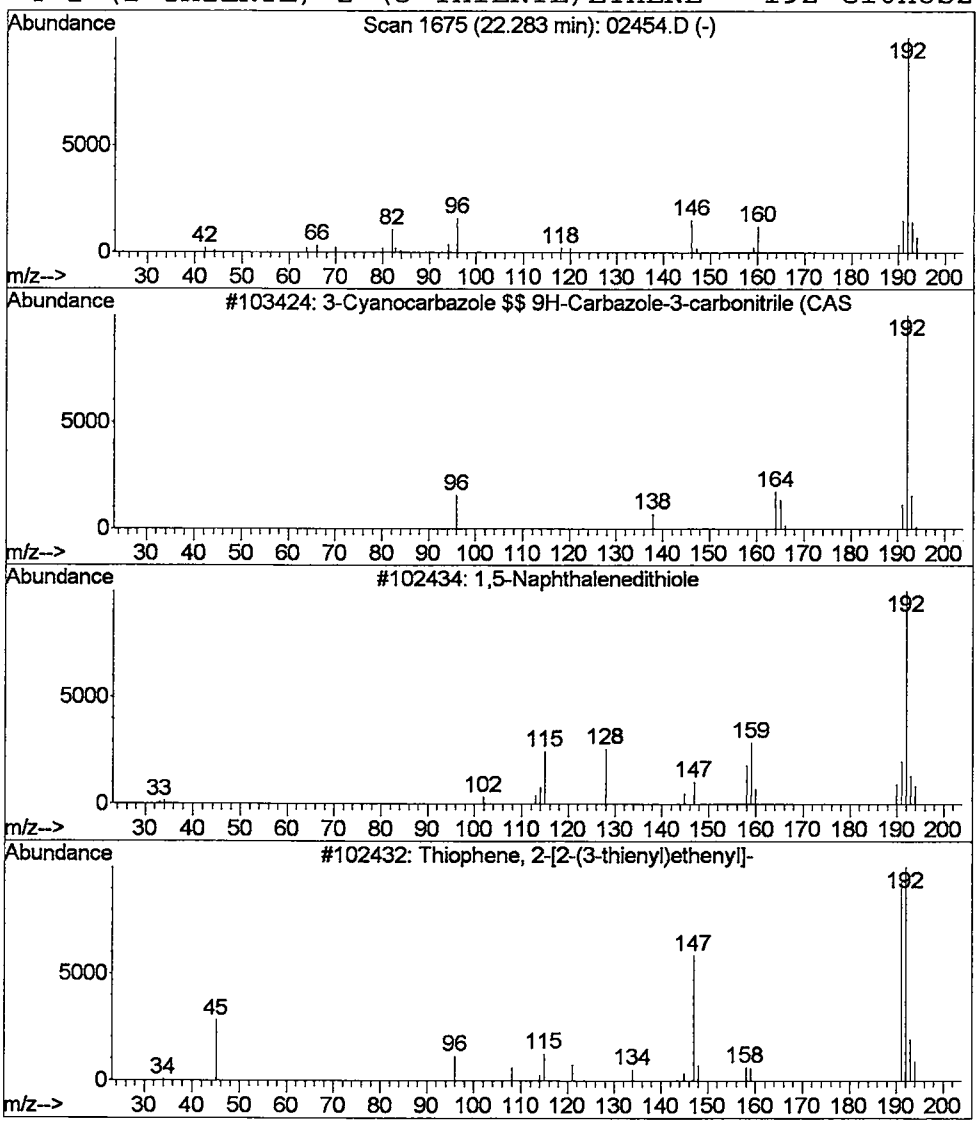
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

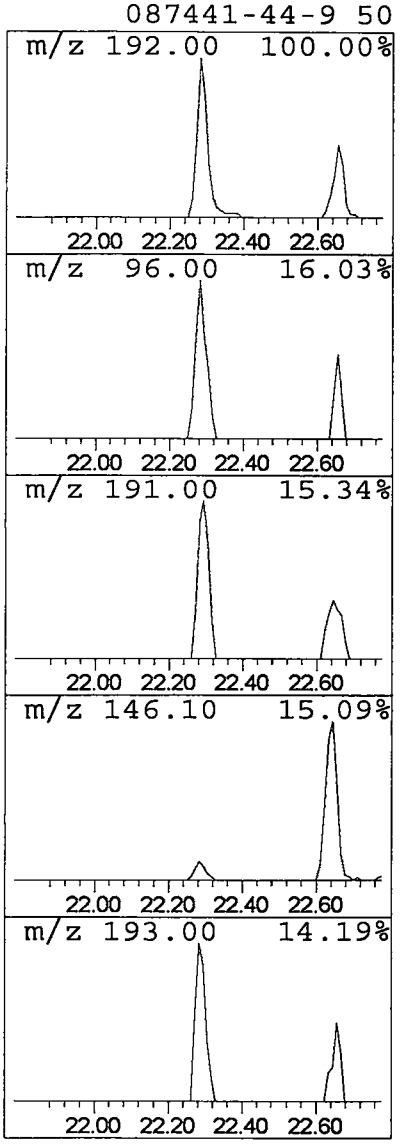
****

Peak Number 4 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	115648	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
2	1,5-Naphthalenedithiole	192	C10H8S2	000000-00-0	53
3	Thiophene, 2-[2-(3-thienyl)ethen...	192	C10H8S2	116854-09-2	50
4	1-(2-THIENYL)-2-(3-THIENYL)ETHENE	192	C10H8S2	087441-44-9	50





Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

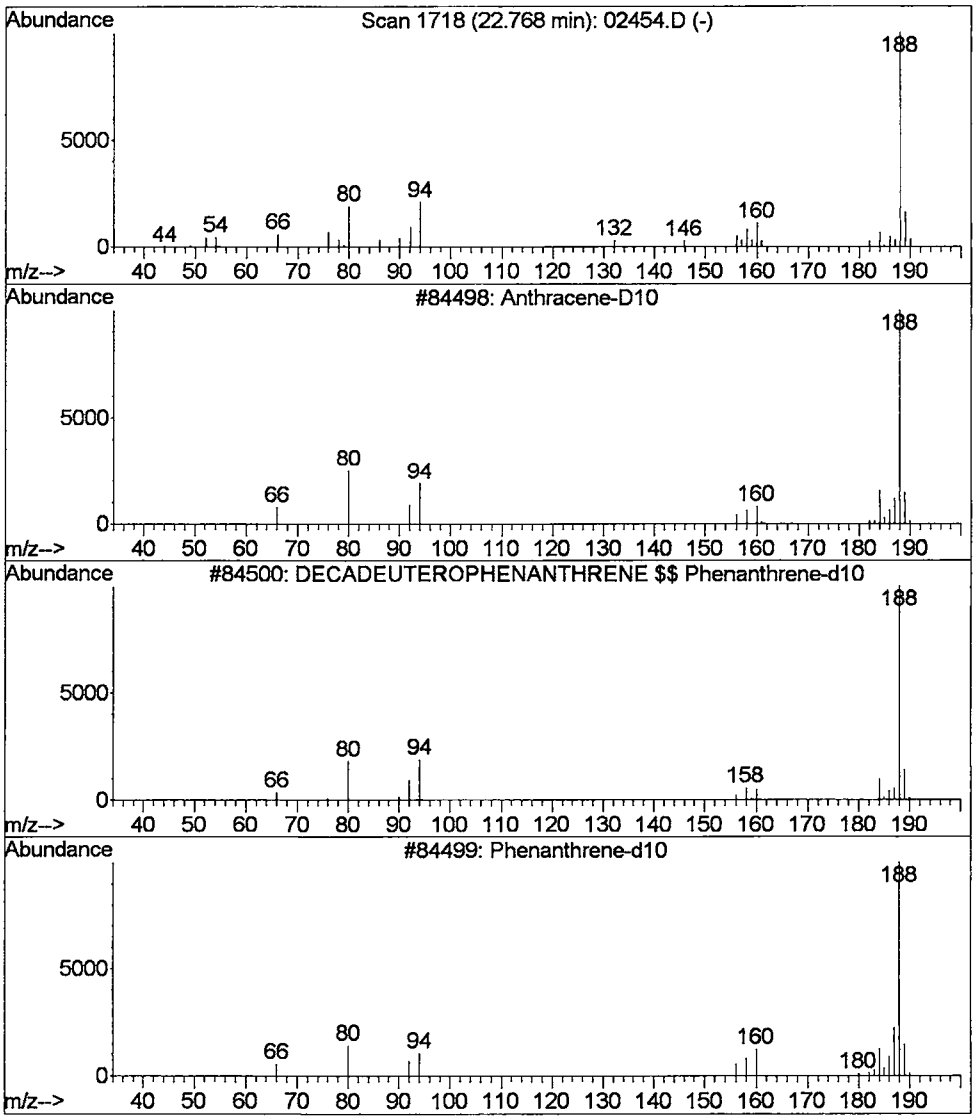
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

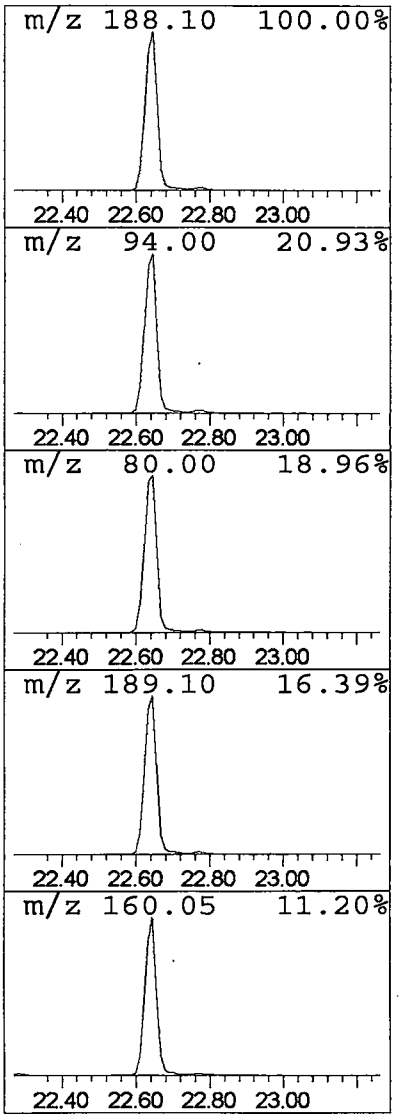
****

Peak Number 5 Anthracene-D10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.46 ug/L	406632	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-D10	188	C14D10	000000-00-0	90
2	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	86
3	Phenanthrene-d10	188	C14D10	001517-22-2	80
4	Anthracene-d10-	188	C14D10	001719-06-8	78





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

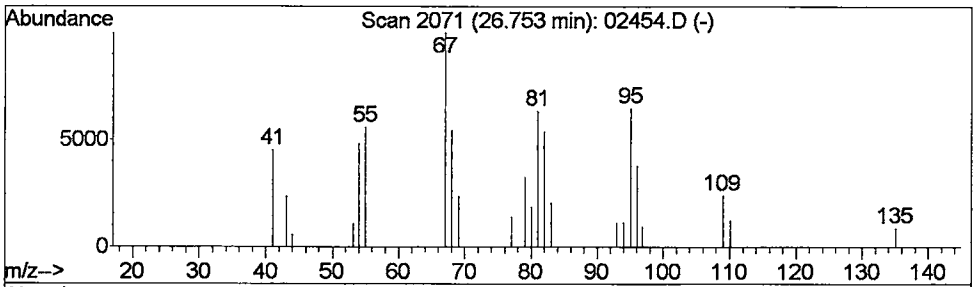
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

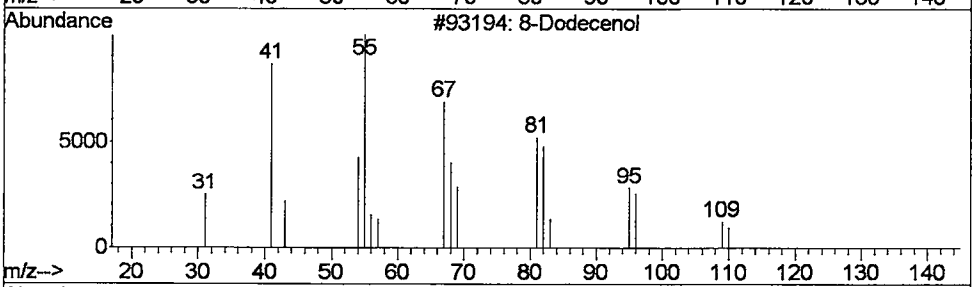
****

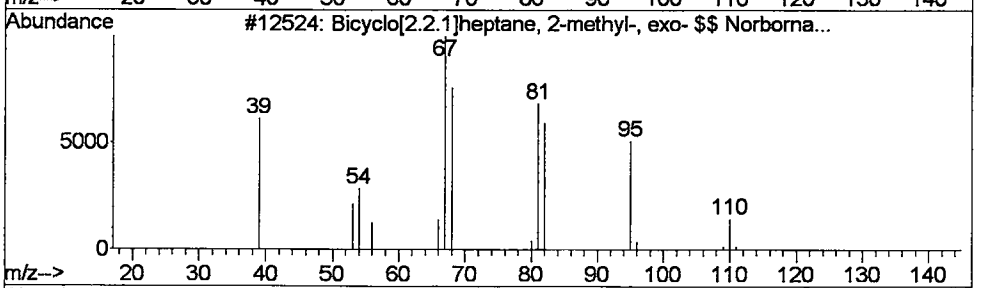
Peak Number 6 8-Dodecenol Concentration Rank 7

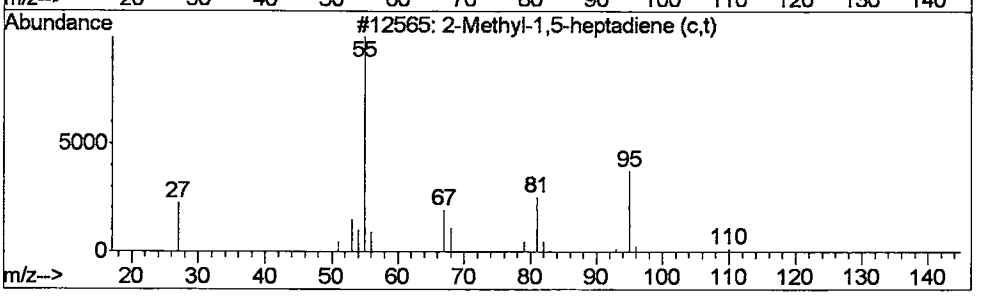
R.T.	EstConc	Area	Relative to ISTD	R.T.
26.75	0.16 ug/L	127235	Chrysene-d12	30.50

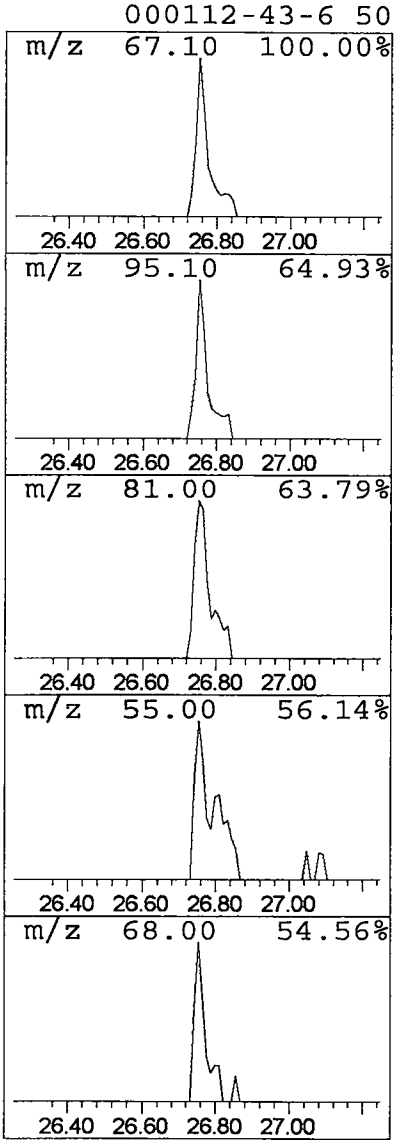
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dodecenol	184	C12H24O	042513-42-8	64 NO
2	Bicyclo[2.2.1]heptane, 2-methyl-...	110	C8H14	000872-78-6	53 (GOOD MATCH)
3	2-Methyl-1,5-heptadiene (c,t)	110	C8H14	006766-54-7	50
4	10-Undecen-1-ol	170	C11H22O	000112-43-6	50











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

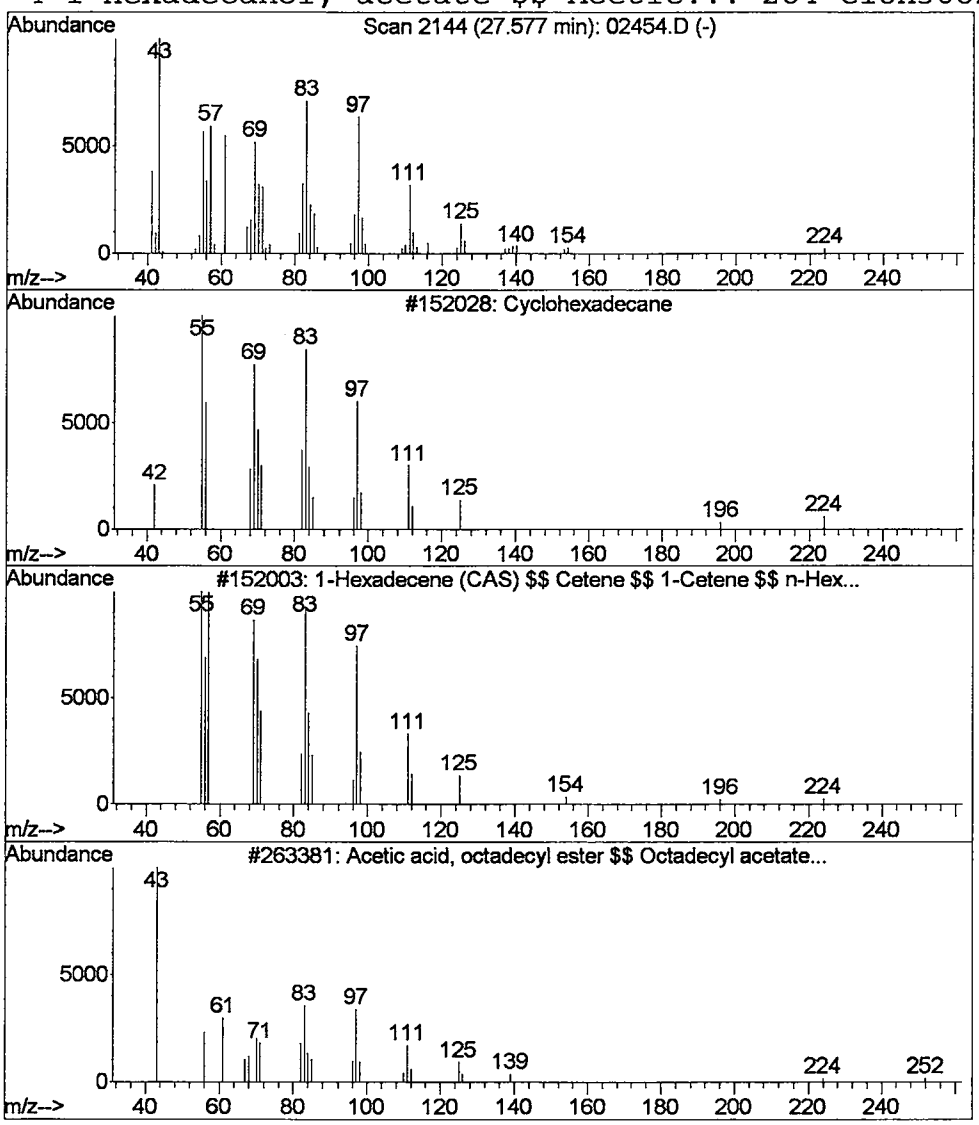
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

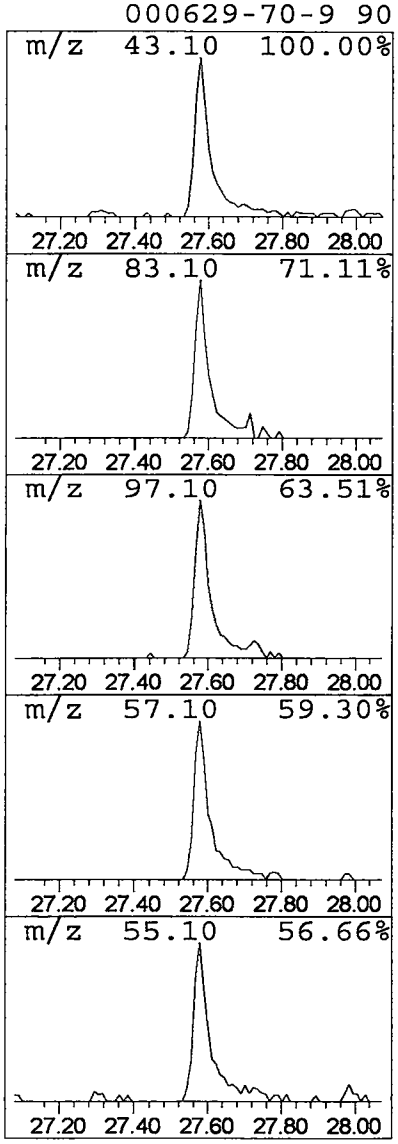
****

Peak Number 7 Cyclohexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.58	0.77 ug/L	604923	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	97
2	1-Hexadecene (CAS) $$ Cetene $$ ...	224	C16H32	000629-73-2	92
3	Acetic acid, octadecyl ester $$ ...	312	C20H40O2	000822-23-1	91
4	1-Hexadecanol, acetate $$ Acetic...	284	C18H36O2	000629-70-9	90





Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

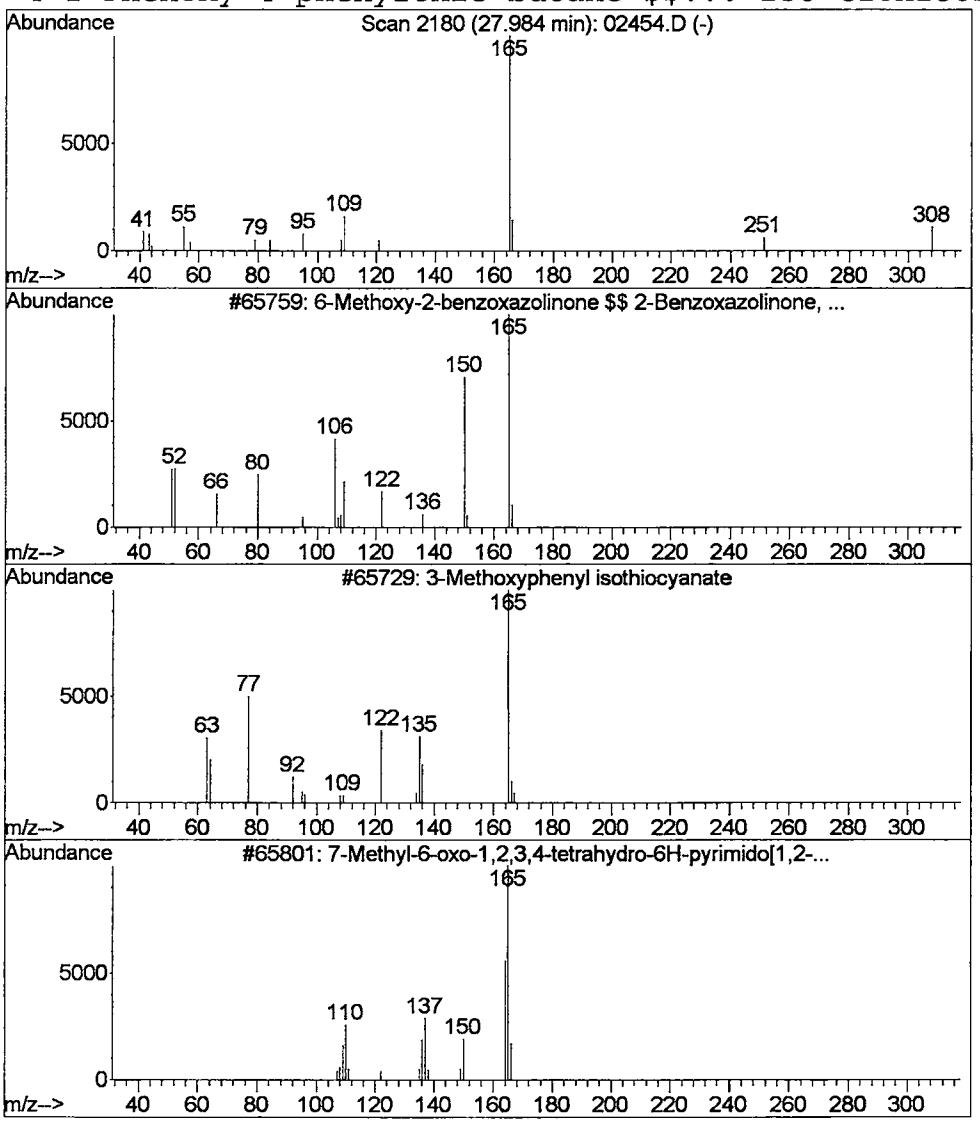
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

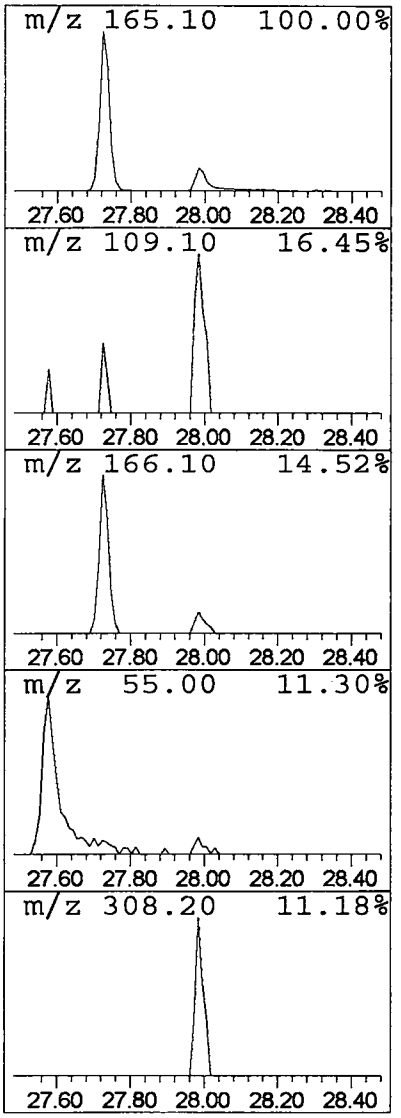
****

Peak Number 8 6-Methoxy-2-benzoxazolinone... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.98	0.08 ug/L	59639	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methoxy-2-benzoxazolinone $$ 2...	165	C8H7NO3	000532-91-2	59
2	3-Methoxyphenyl isothiocyanate	165	C8H7NOS	003125-64-2	45
3	7-Methyl-6-oxo-1,2,3,4-tetrahydr...	165	C8H11N3O	026955-14-6	45
4	1-Phenoxy-4-phenylthio-butane $$...	258	C16H18OS	059950-11-7	38





Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

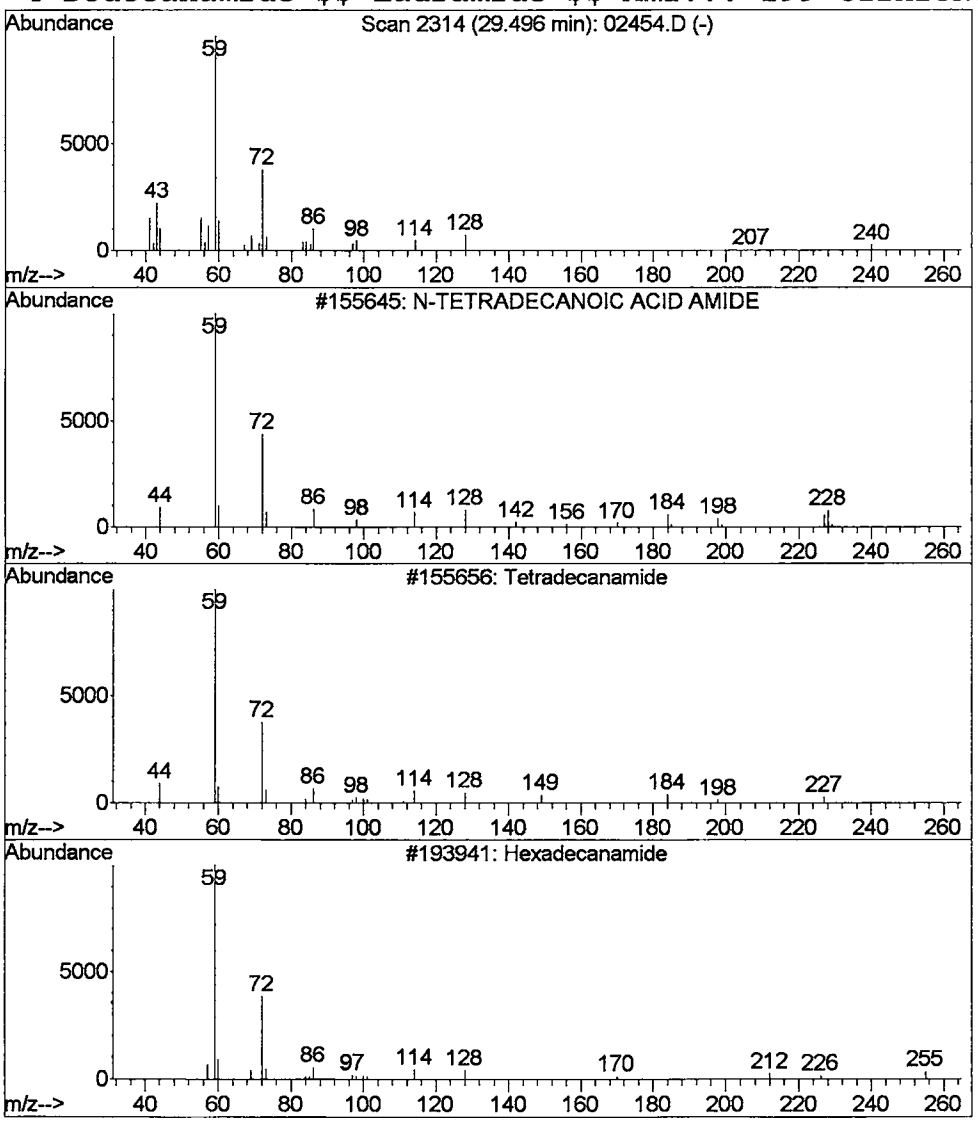
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

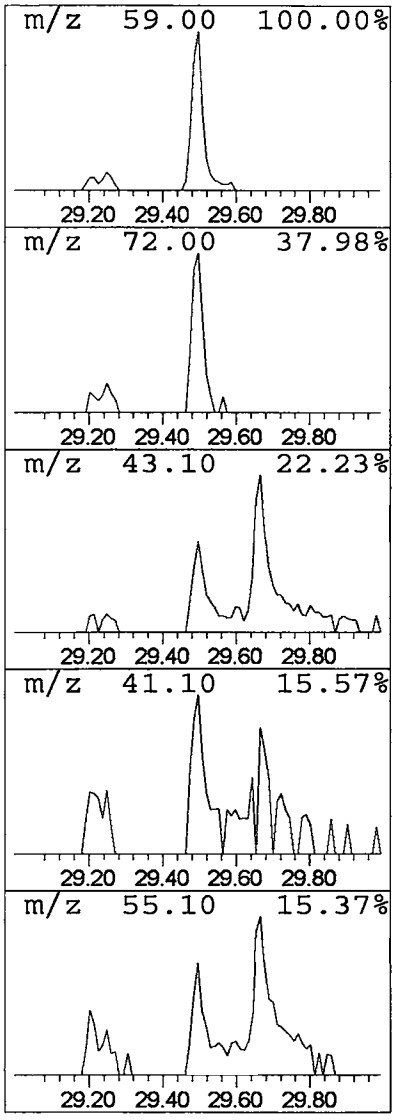
****

Peak Number 9 N-TETRADECANOIC ACID AMIDE Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.50	0.18 ug/L	145390	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-TETRADECANOIC ACID AMIDE	227	C14H29NO	000000-00-0	83
2	Tetradecanamide	227	C14H29NO	000638-58-4	83
3	Hexadecanamide	255	C16H33NO	000629-54-9	83
4	Dodecanamide $$ Lauramide $$ Ami...	199	C12H25NO	001120-16-7	78





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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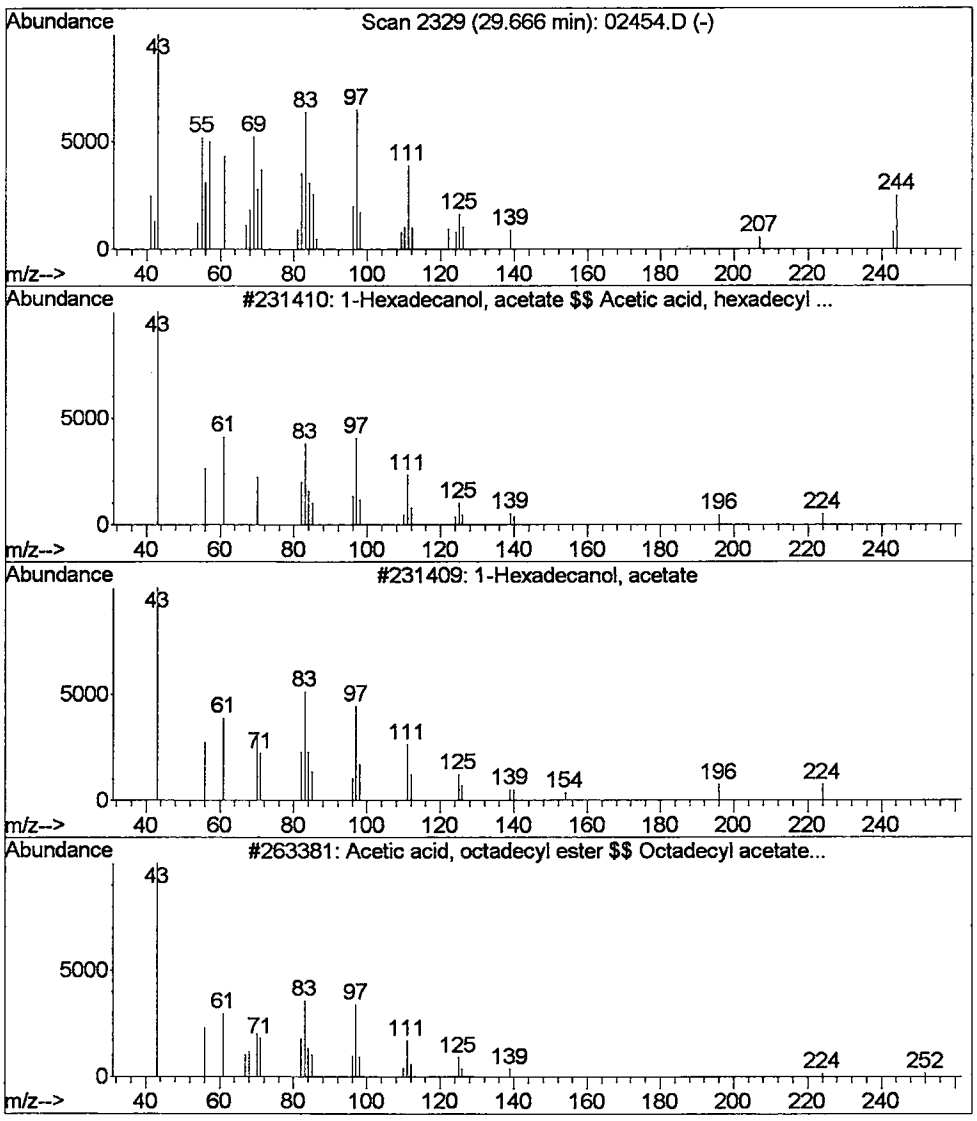
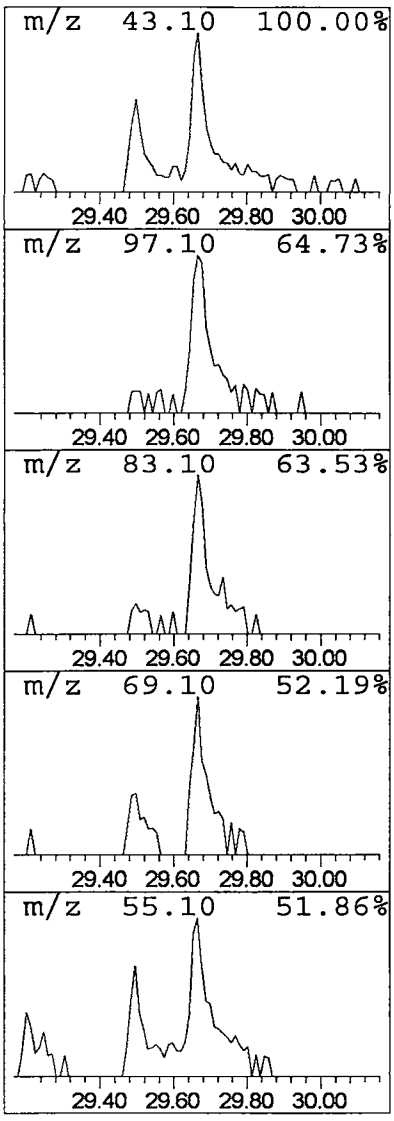
Peak Number 10 1-Hexadecanol, acetate $$ A... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.67	0.31 ug/L	247935	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol, acetate $$ Acetic...	284	C18H36O2	000629-70-9	80
2	1-Hexadecanol, acetate	284	C18H36O2	000629-70-9	80
3	Acetic acid, octadecyl ester $$ ...	312	C20H40O2	000822-23-1	68
4	1-Nonadecene	266	C19H38	018435-45-5	64





Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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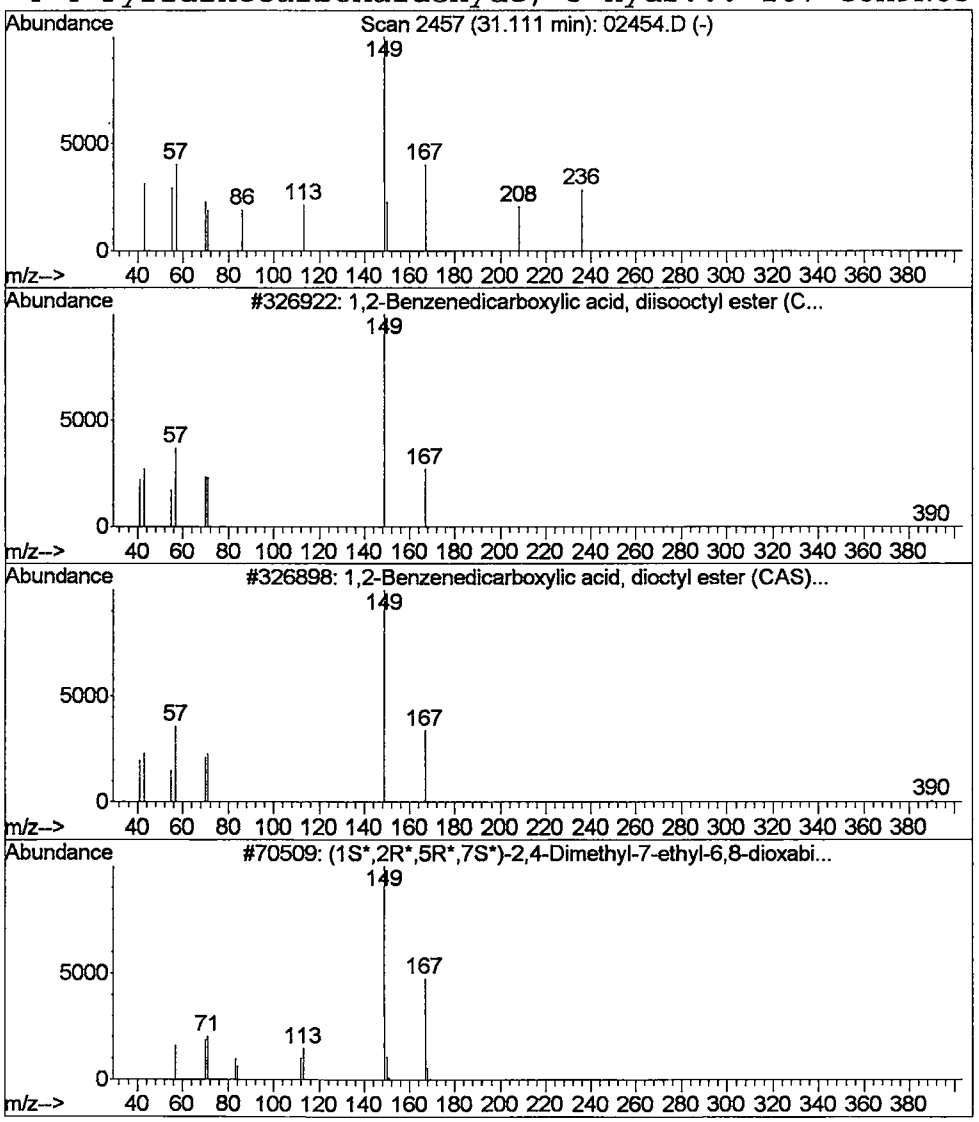
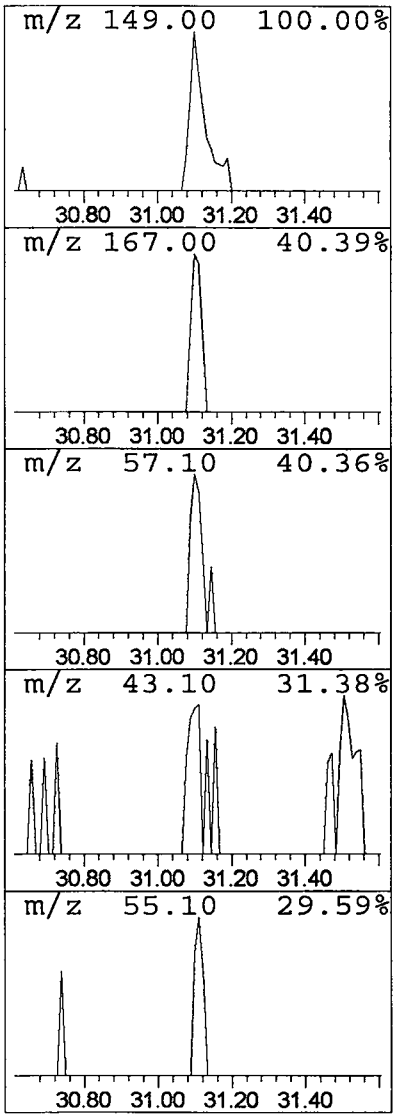
Peak Number 11 1,2-Benzenedicarboxylic aci... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.11	0.06 ug/L	49090	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	43
2	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	000117-84-0	37
3	(1S*,2R*,5R*,7S*)-2,4-Dimethyl-7...	168	C10H16O2	091926-28-2	33
4	4-Pyridinecarboxaldehyde, 3-hydr...	167	C8H9NO3	000066-72-8	9





Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

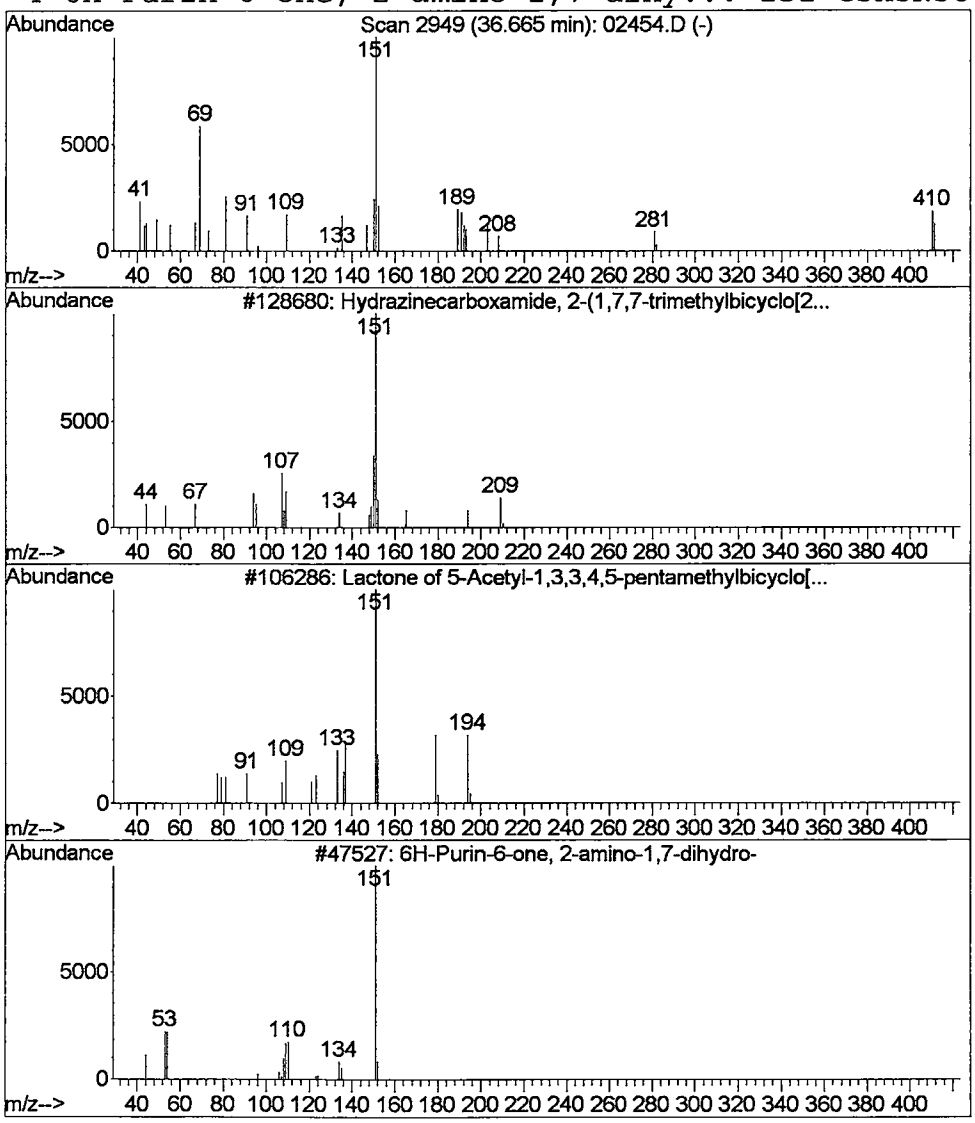
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

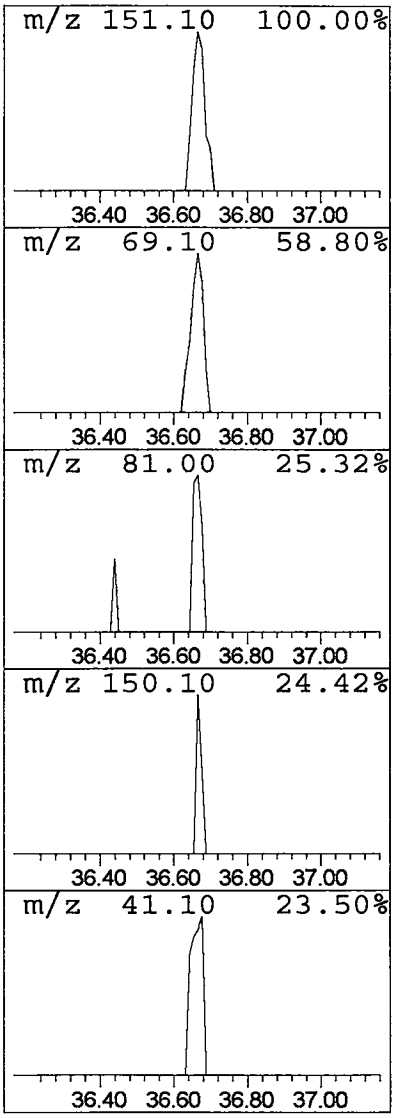
****

Peak Number 12 Hydrazinecarboxamide, 2-(1,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.66	0.08 ug/L	46084	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazinecarboxamide, 2-(1,7,7-t...	209	C11H19N3O	004581-48-0	25
2	Lactone of 5-Acetyl-1,3,3,4,5-pe...	194	C12H18O2	059873-44-8	25
3	6H-Purin-6-one, 2-amino-1,7-dihy...	151	C5H5N5O	000073-40-5	16
4	6H-Purin-6-one, 2-amino-1,7-dihy...	151	C5H5N5O	000073-40-5	16





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02454.D Vial: 5
Acq On : 27 Feb 2002 6:38 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

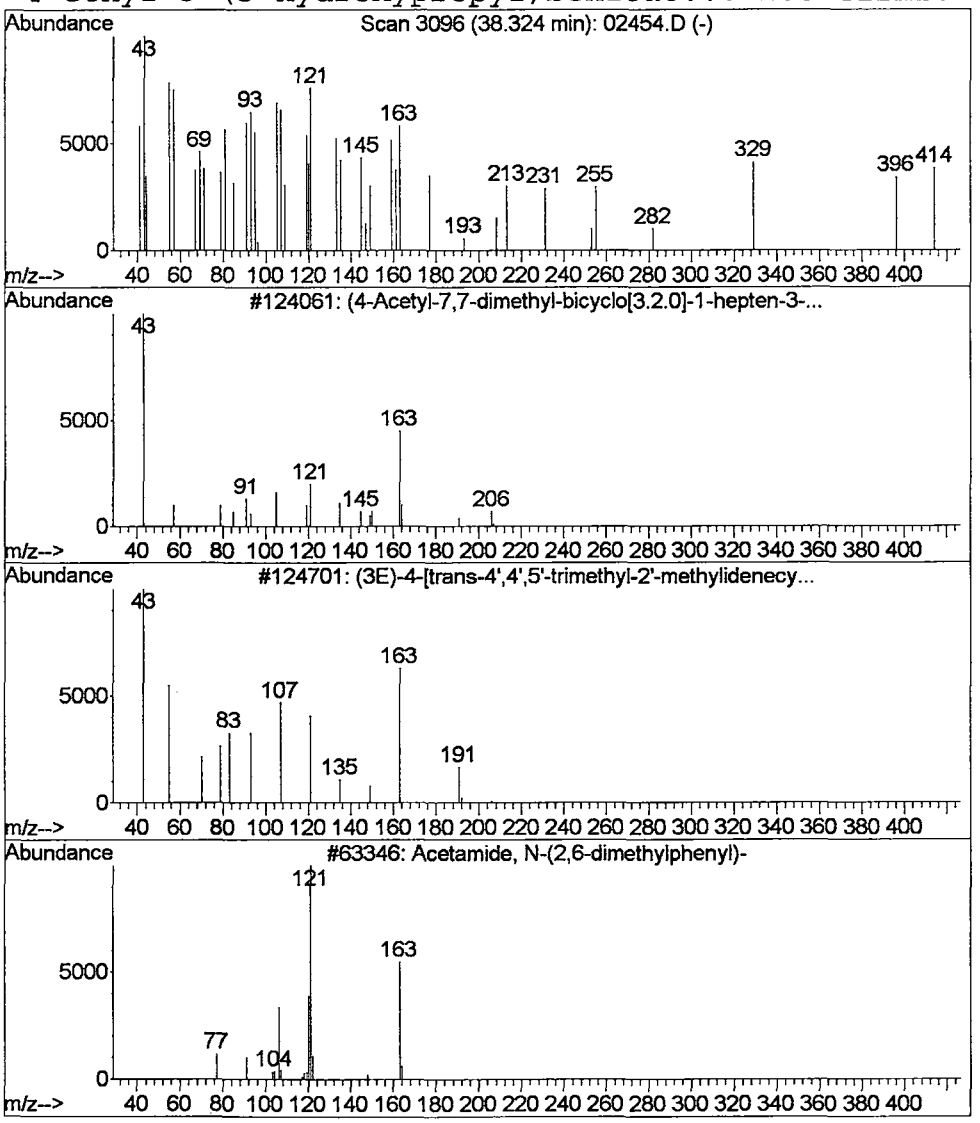
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

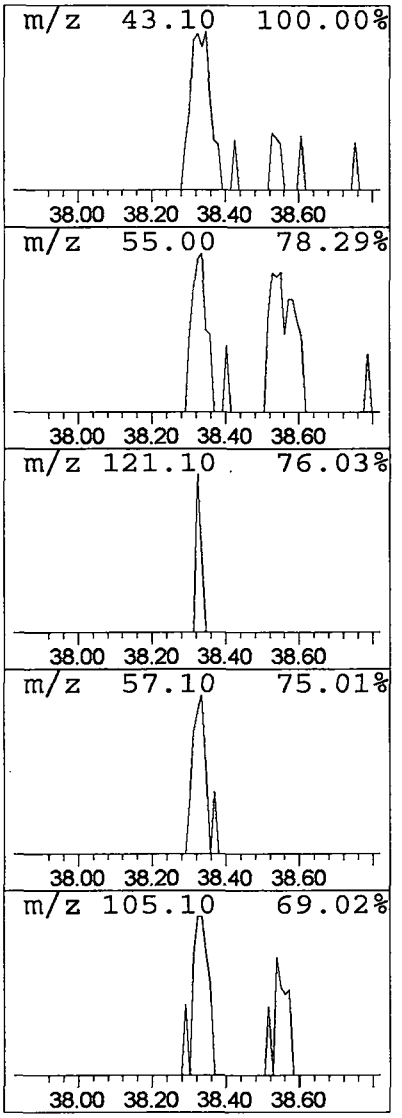
****

Peak Number 13 (4-Acetyl-7,7-dimethyl-bicy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.32	0.13 ug/L	80028	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetyl-7,7-dimethyl-bicyclo[3...	206	C13H18O2	077822-36-7	30
2	(3E)-4-[trans-4',4',5'-trimethyl...	206	C14H22O	127128-62-5	14
3	Acetamide, N-(2,6-dimethylphenyl)-	163	C10H13NO	002198-53-0	12
4	ethyl 3-(3-hydroxypropyl)benzoat...	208	C12H16O3	114837-80-8	11





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Feb 2002 6:38 pm
Data File: C:\MSDCHEM\1\5973N\02FEB27\02454.D
Name: 508 scan
Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2,2-dimethoxybutane	4.24	0.2	ug/L	119496	1	9.72	9697360	20.0
Acetic acid, 3-[1...	5.95	0.4	ug/L	170109	1	9.72	9697360	20.0
Pyrazole, 1-methy...	17.27	0.1	ug/L	68499	3	18.34	16098900	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	115648	4	22.64	17543200	20.0
Anthracene-D10	22.77	0.5	ug/L	406632	4	22.64	17543200	20.0
8-Dodecenol	26.75	0.2	ug/L	127235	5	30.50	15774800	20.0
Cyclohexadecane	27.58	0.8	ug/L	604923	5	30.50	15774800	20.0
6-Methoxy-2-benzo...	27.98	0.1	ug/L	59639	5	30.50	15774800	20.0
N-TETRADECANOIC A...	29.50	0.2	ug/L	145390	5	30.50	15774800	20.0
1-Hexadecanol, ac...	29.67	0.3	ug/L	247935	5	30.50	15774800	20.0
1,2-Benzenedicarb...	31.11	0.1	ug/L	49090	5	30.50	15774800	20.0
Hydrazinecarboxam...	36.66	0.1	ug/L	46084	6	34.42	11877500	20.0
(4-Acetyl-7,7-dim...	38.32	0.1	ug/L	80028	6	34.42	11877500	20.0

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 12:15:25

Sample: AE02455
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 12:14 Ended: 3/7/02 12:14 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		113		5.0

Comments for Sample AE02455 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 12:15:29

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoverie for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 2 were below.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02455.D Vial: 6
Acq On : 27 Feb 2002 7:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:56 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

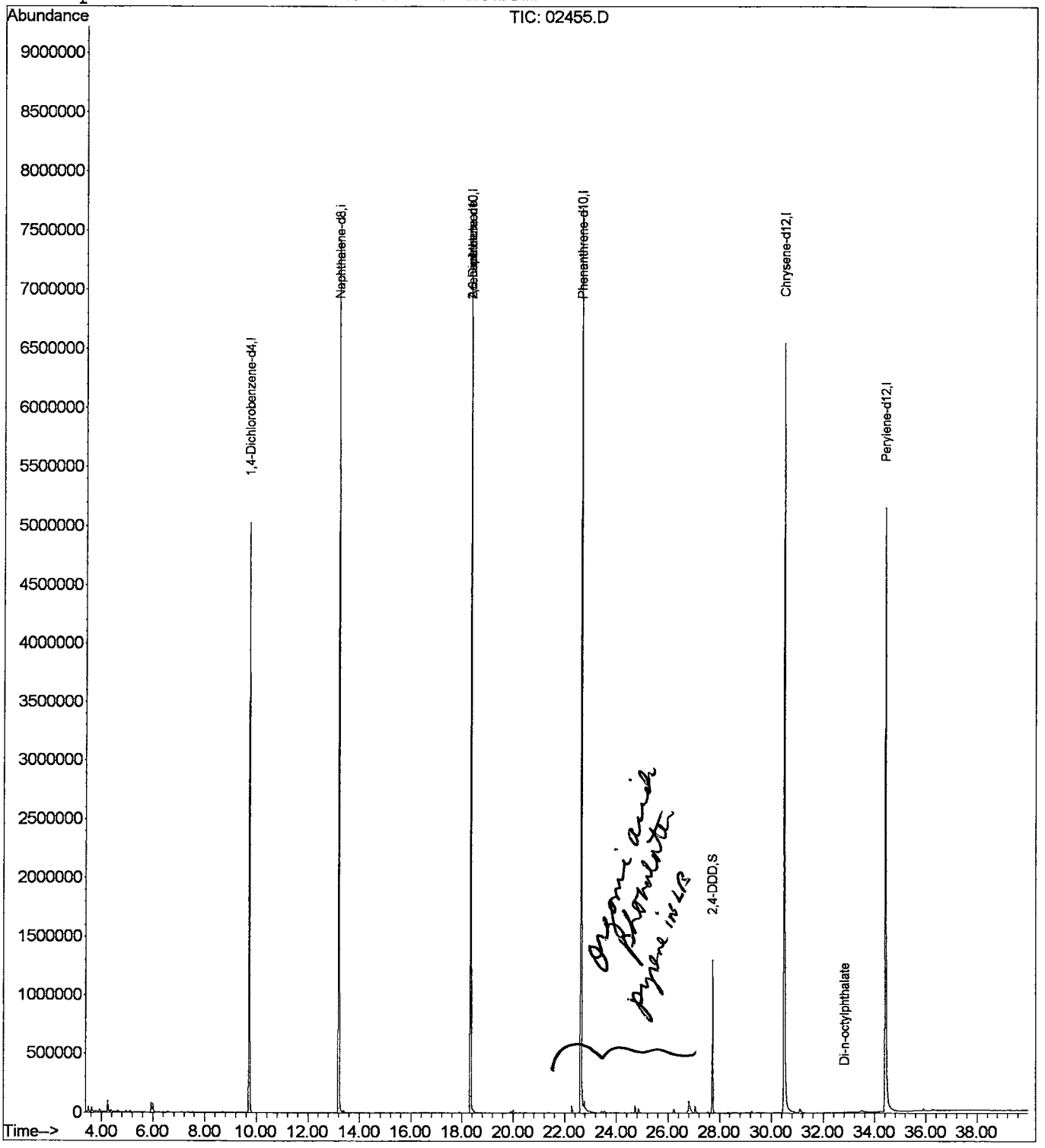
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1750177	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	7553595	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3845305	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	6595769	20.00	ug/L	0.00
38) Chrysene-d12	30.50	240	5583970	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	4046774	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	495358	5.63	ug/L	0.00
Spiked Amount 5.000			Recovery = 112.60%			
Target Compounds						Qvalue
21) 2,6-Dinitrotoluene	18.34	165	489389	9.08	ug/L #	27
45) Di-n-octylphthalate	32.83	149	8852	5.16	ug/L #	74

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02455.D Vial: 6
Acq On : 27 Feb 2002 7:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02455.D Vial: 6
Acq On : 27 Feb 2002 7:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

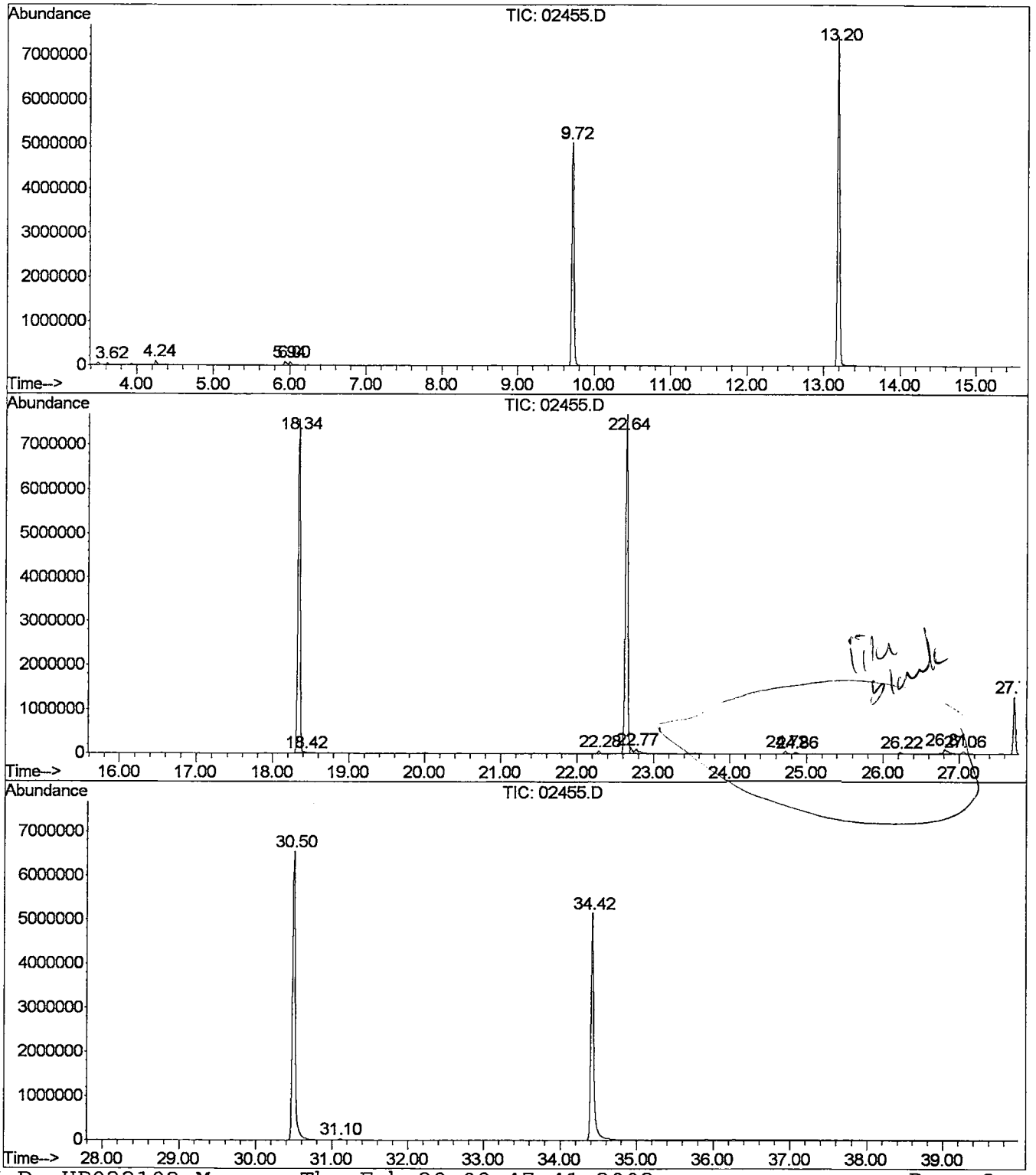
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.622	19	22	25	rBV	40884	64003	0.37%	0.070%
2	4.243	73	77	85	rVB	95899	174182	1.01%	0.189%
3	5.936	225	227	231	rBV	81867	179690	1.04%	0.195%
4	6.004	231	233	239	rVV	73361	142231	0.83%	0.155%
5	9.718	557	562	567	rBV	5024442	9785693	56.81%	10.645%
6	13.195	865	870	875	rBV	7418991	14277573	82.89%	15.531%
7	18.343	1321	1326	1331	rVV	7580838	15704048	91.17%	17.082%
8	18.422	1331	1333	1343	rVB2	23272	69780	0.41%	0.076%
9	22.283	1671	1675	1681	rVB2	61318	116993	0.68%	0.127%
10	22.644	1701	1707	1711	rBV2	7686943	17225641	100.00%	18.737%
11	22.768	1715	1718	1731	rVB2	91637	354125	2.06%	0.385%
12	24.721	1887	1891	1899	rBV3	63359	129231	0.75%	0.141%
13	24.856	1899	1903	1907	rBV	33956	69606	0.40%	0.076%
14	26.222	2019	2024	2031	rBV	31909	75935	0.44%	0.083%
15	26.809	2067	2076	2089	rBV2	104231	461909	2.68%	0.502%
16	27.058	2095	2098	2103	rBV2	54573	105670	0.61%	0.115%
17	27.724	2153	2157	2163	rVV	1302020	2413042	14.01%	2.625%
18	30.501	2397	2403	2431	rVB	6539024	16761909	97.31%	18.233%
19	31.099	2453	2456	2465	rVB	28710	86183	0.50%	0.094%
20	34.418	2743	2750	2781	rBV	5142694	13734430	79.73%	14.940%

Sum of corrected areas: 91931874

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB27\02455.D
Operator :
Acquired : 27 Feb 2002 7:28 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 27, 2002
Vial Number: 6
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

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Acq On : 27 Feb 2002 7:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

****

Peak Number 1 Butanoic acid, methyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.13 ug/L	64003	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
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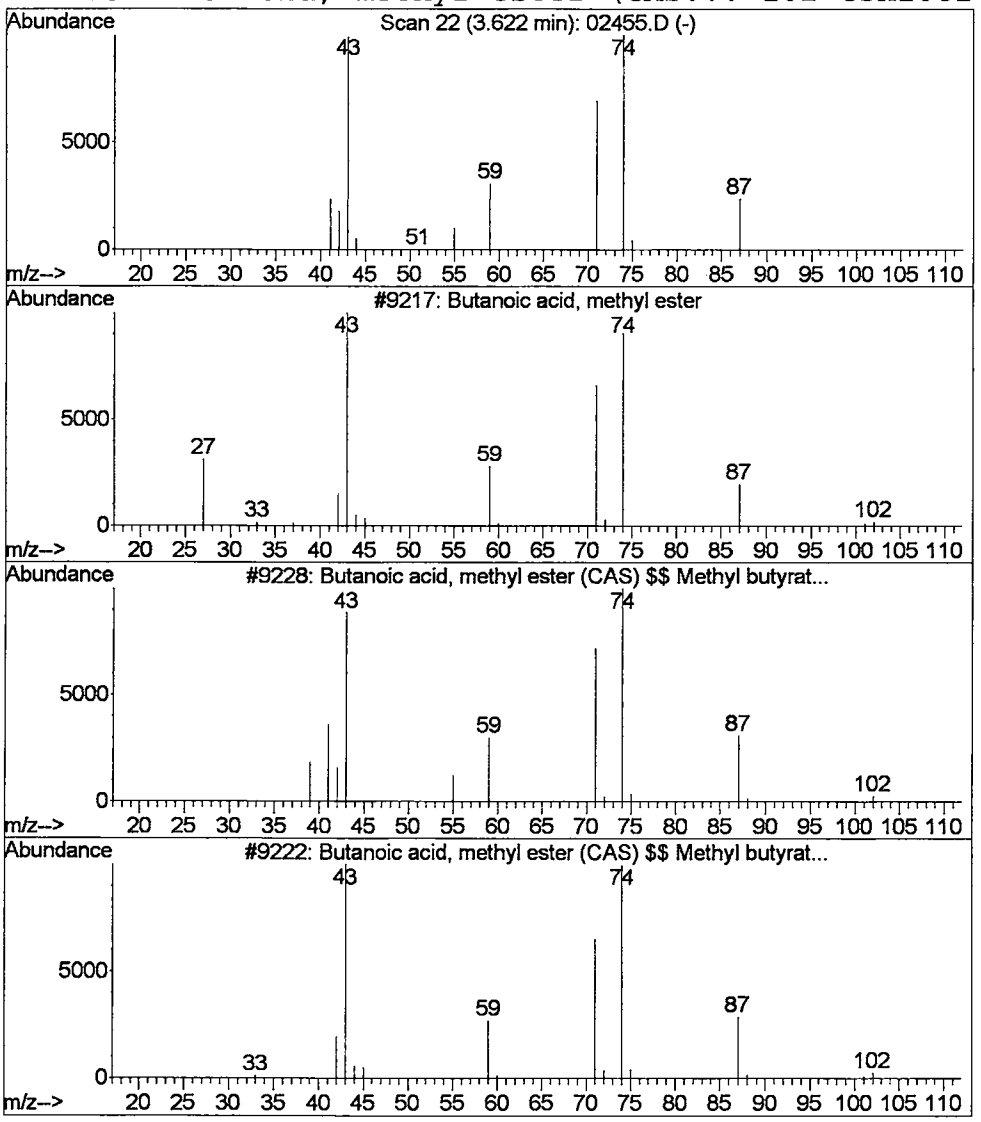

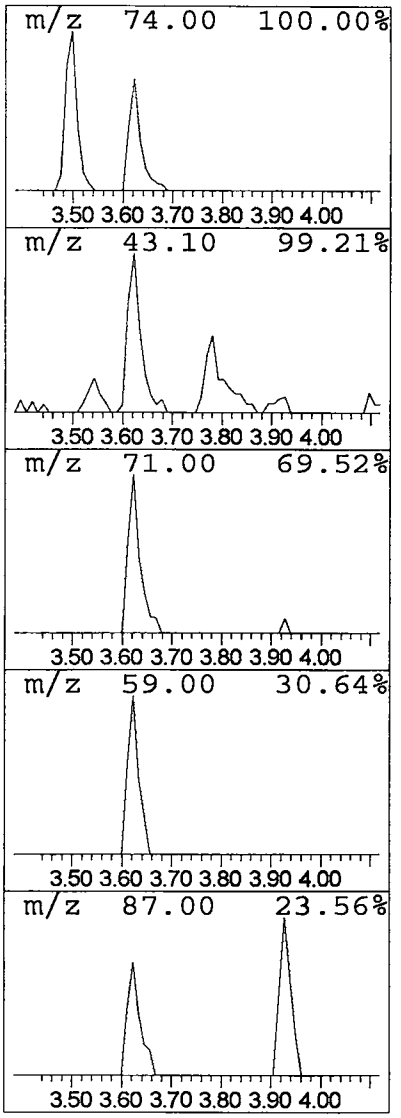

Library Search Compound Report

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MS Integration Params: LSCINT.P

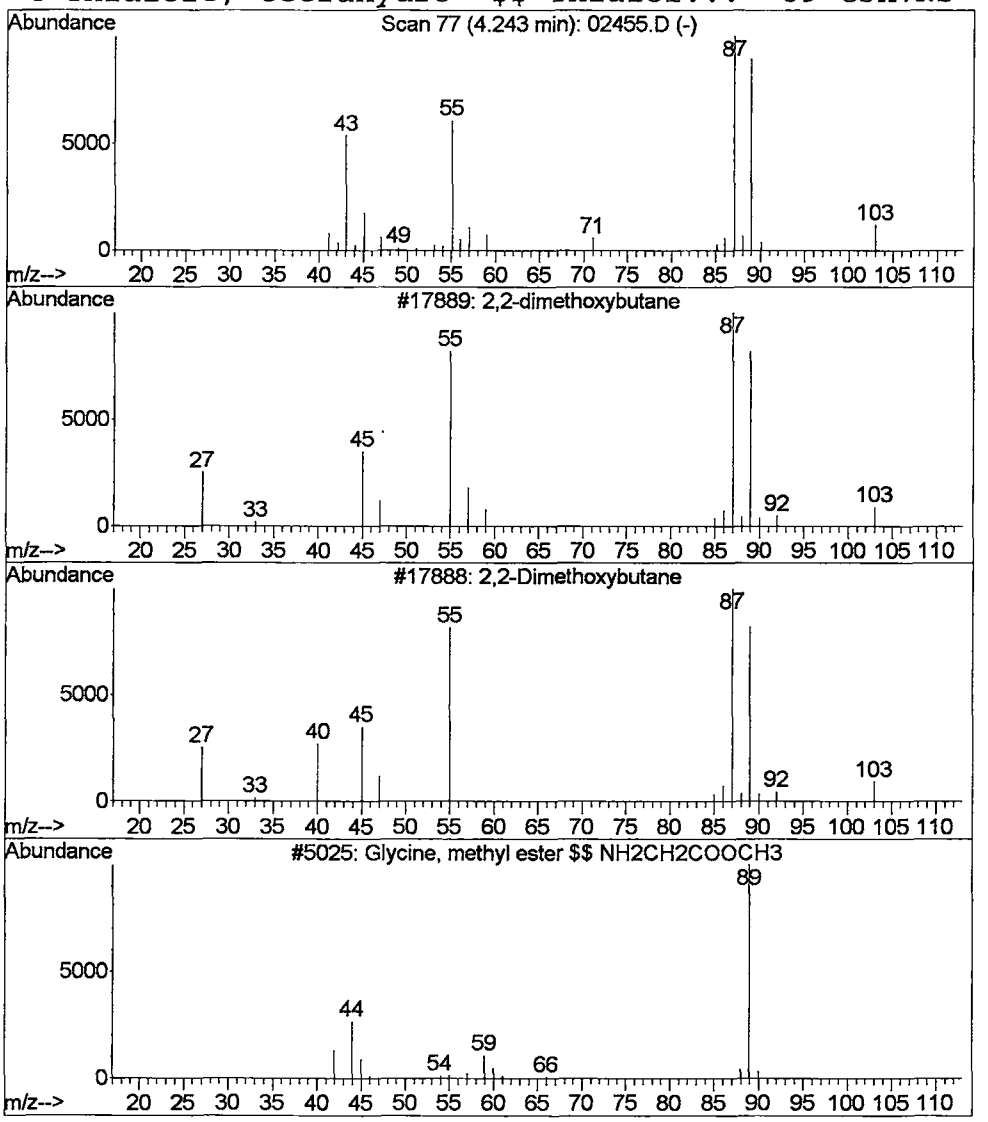
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

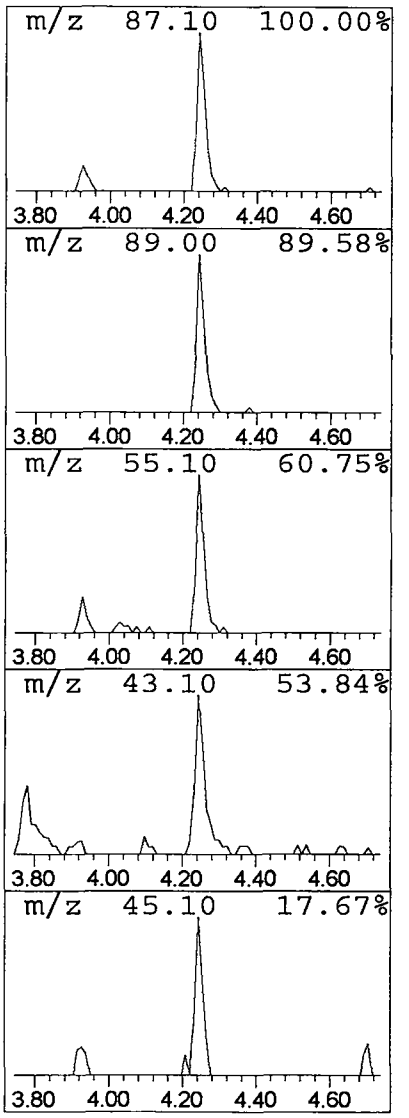
****

Peak Number 2 2,2-dimethoxybutane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.36 ug/L	174182	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	83
2	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	74
3	Glycine, methyl ester $$ NH2CH2C...	89	C3H7NO2	000616-34-2	42
4	Thiazole, tetrahydro- $$ Thiazol...	89	C3H7NS	000504-78-9	36





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Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

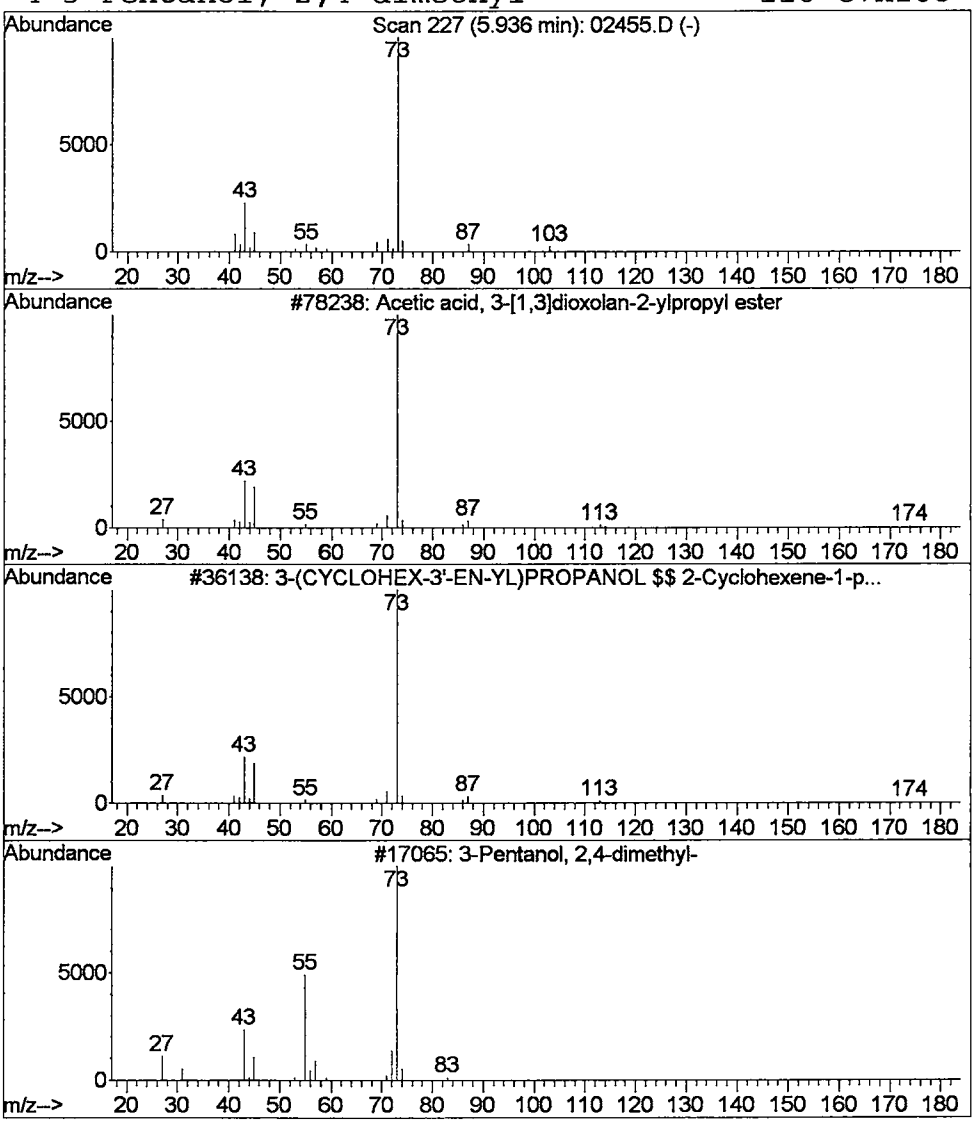
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

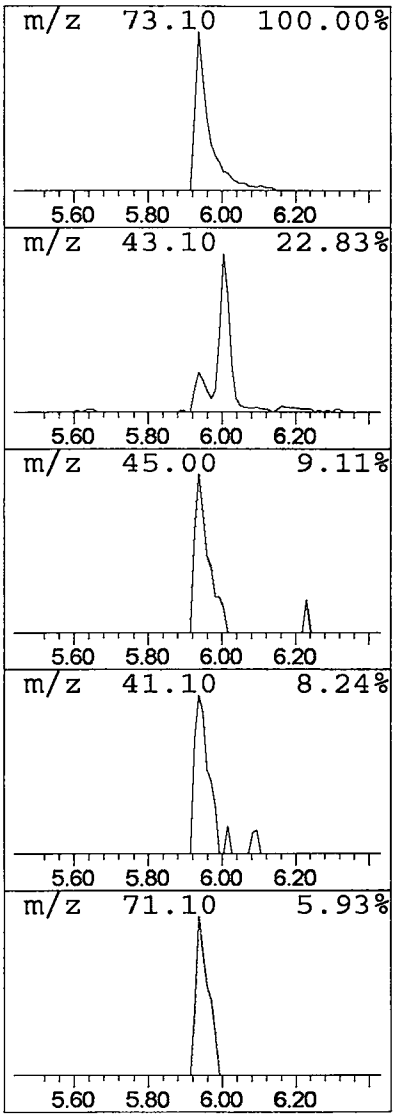
****

Peak Number 3 Acetic acid, 3-[1,3]dioxola... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	0.37 ug/L	179690	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	42
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	42
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	33
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	33





Library Search Compound Report

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Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

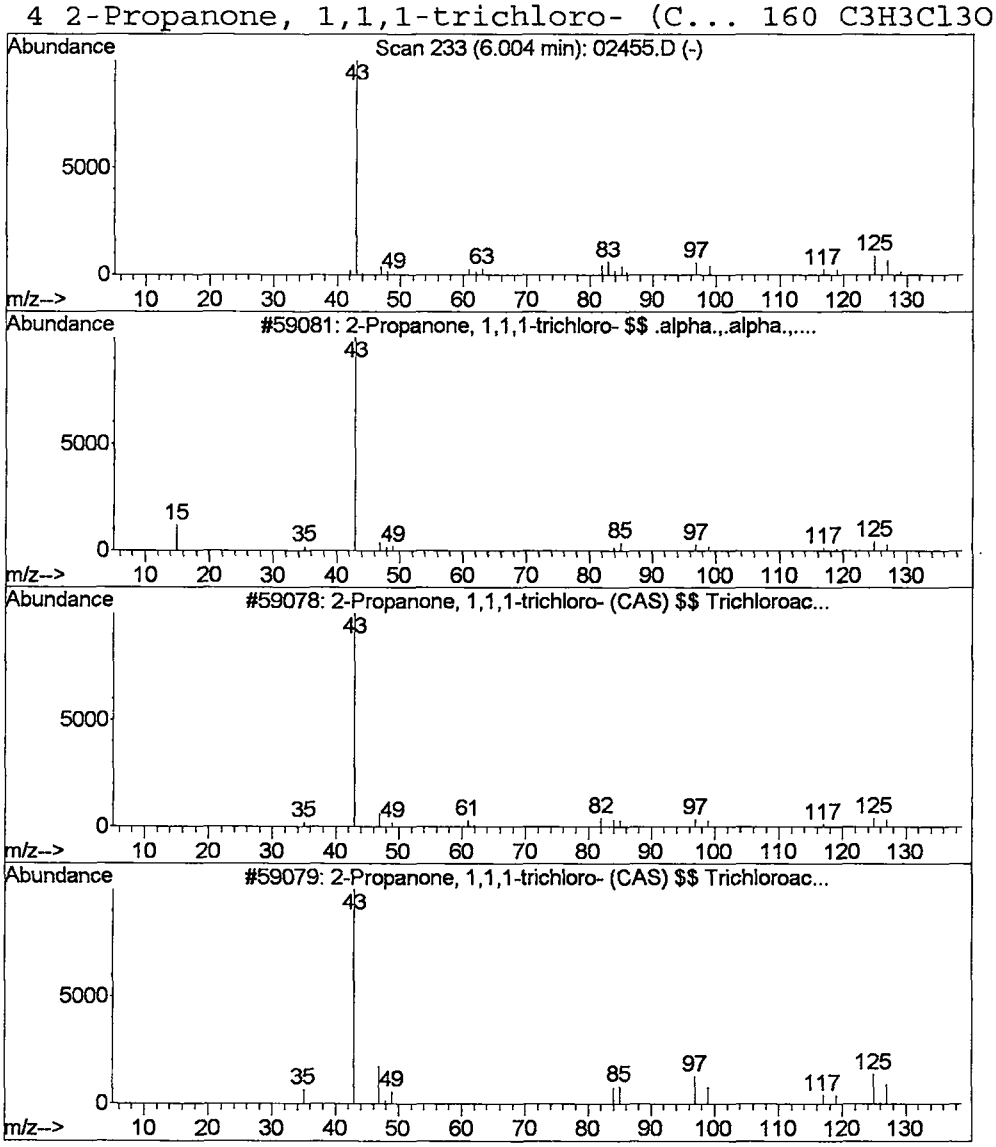
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

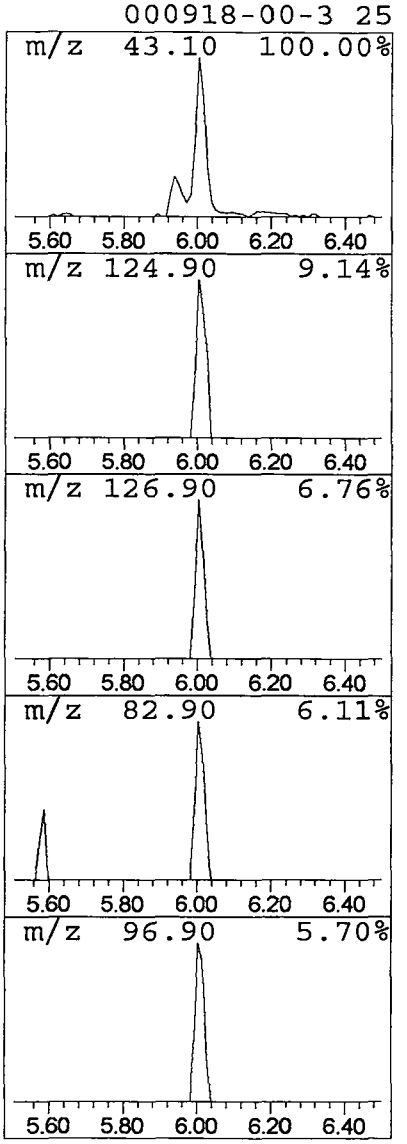
****

Peak Number 4 2-Propanone, 1,1,1-trichlor... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.29 ug/L	142231	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	64
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	50
3	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	38
4	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	25





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Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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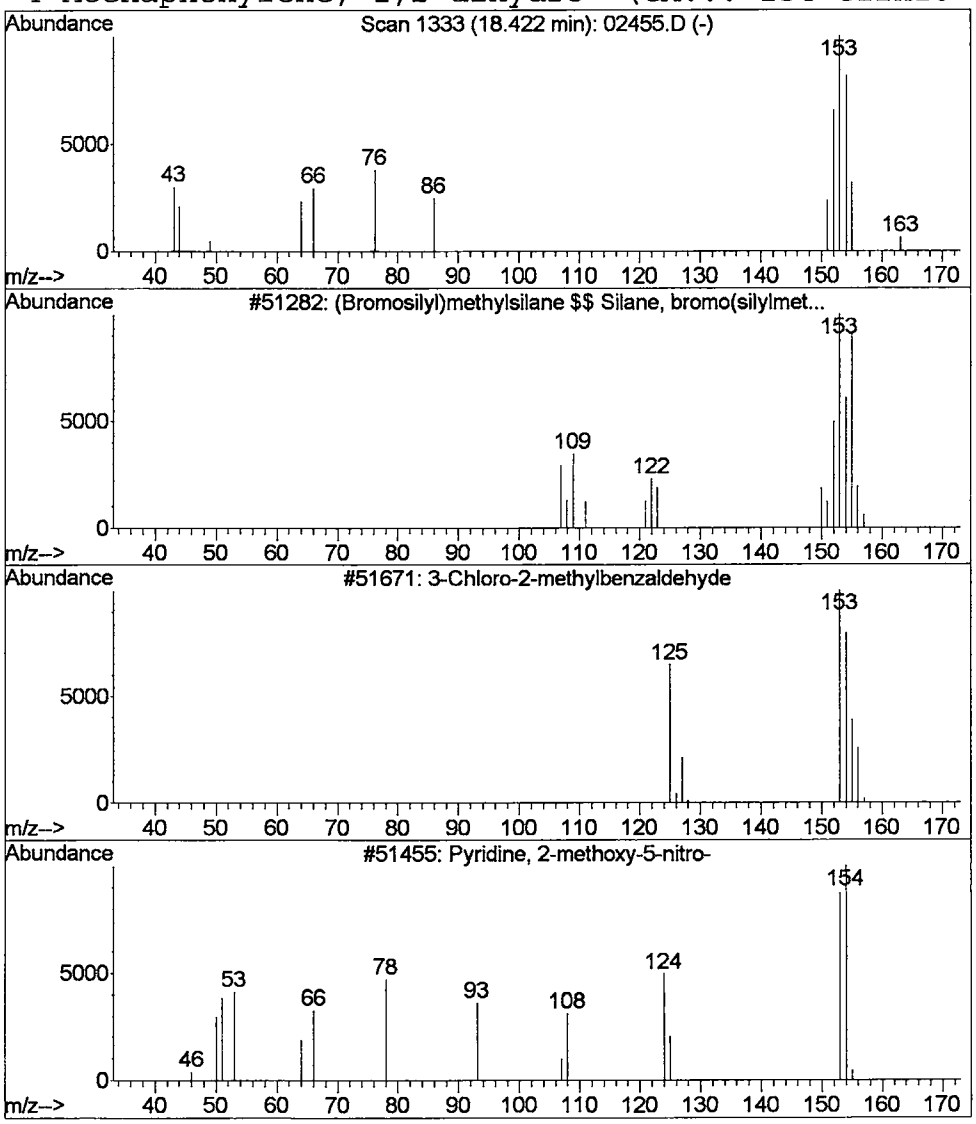
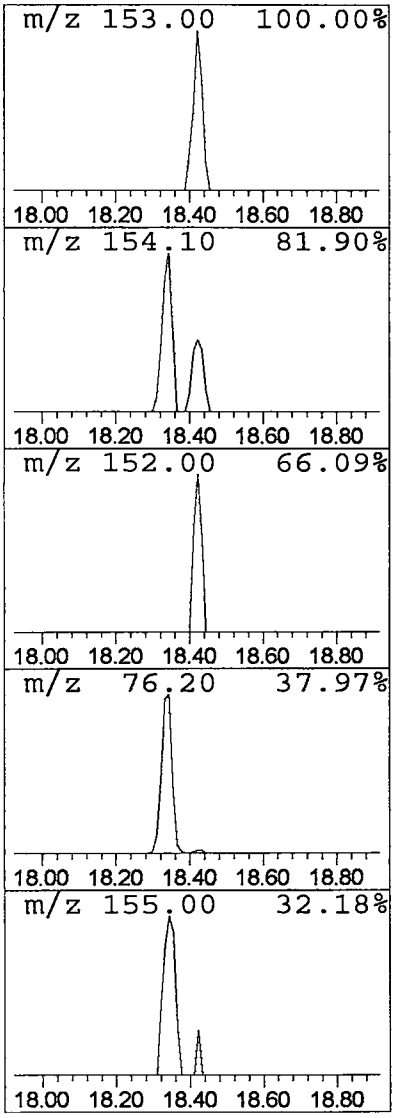
Peak Number 5 (Bromosilyl)methylsilane $$... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	0.09 ug/L	69780	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Bromosilyl)methylsilane $$ Sila...	154	CH7BrSi2	056962-86-8	72
2	3-Chloro-2-methylbenzaldehyde	154	C8H7ClO	000874-27-1	45
3	Pyridine, 2-methoxy-5-nitro-	154	C6H6N2O3	005446-92-4	40
4	Acenaphthylene, 1,2-dihydro- (CA...	154	C12H10	000083-32-9	37

NO GOOD MATCH





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MS Integration Params: LSCINT.P

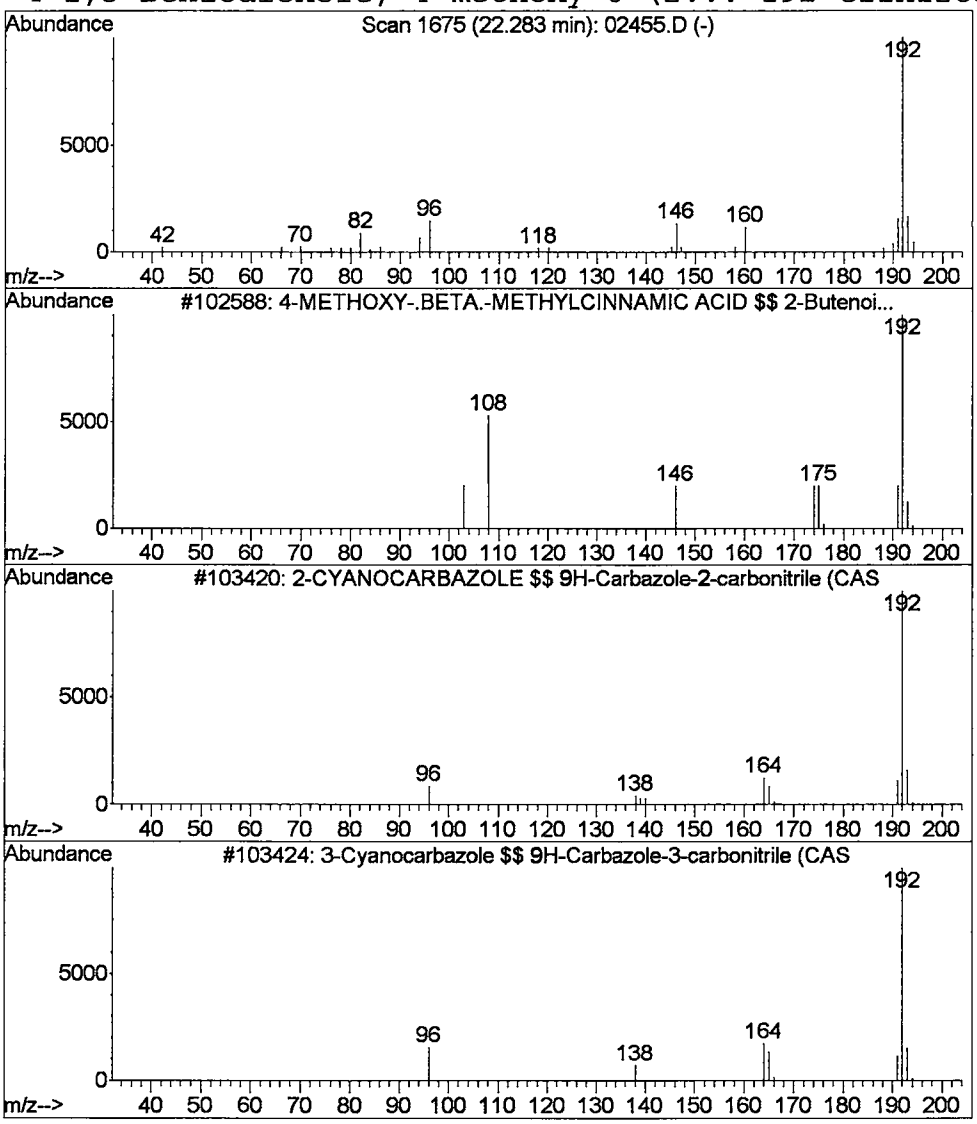
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

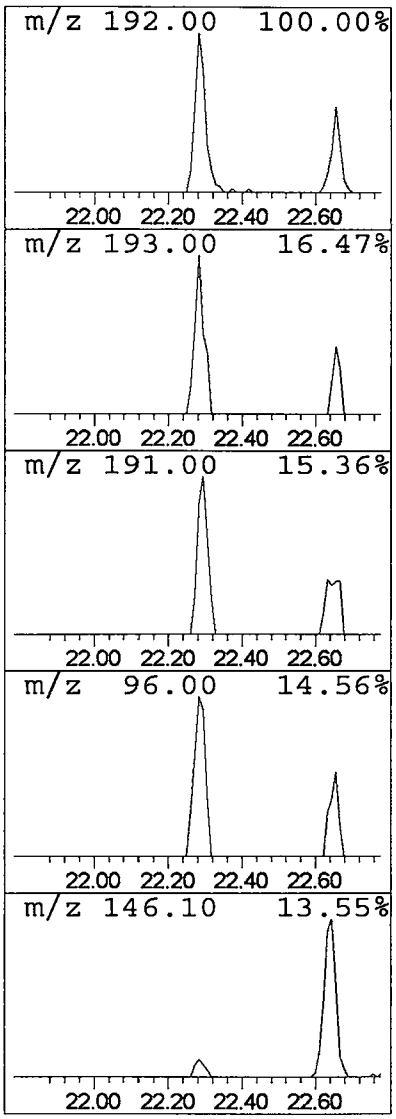
****

Peak Number 6 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	116993	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	64
2	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	64
3	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
4	1,3-Benzodioxole, 4-methoxy-6-(2...	192	C11H12O3	000607-91-0	59





Library Search Compound Report

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Acq On : 27 Feb 2002 7:28 pm Operator:
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Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

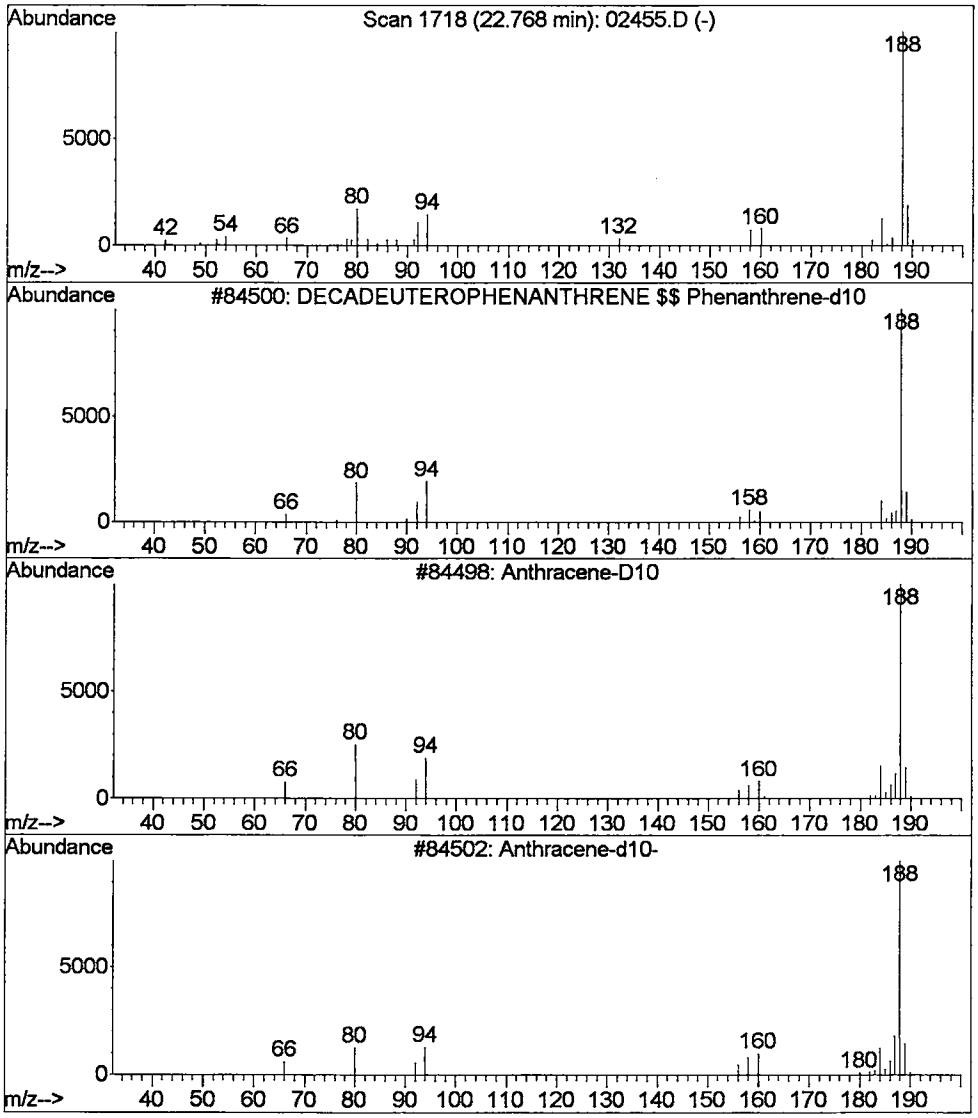
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

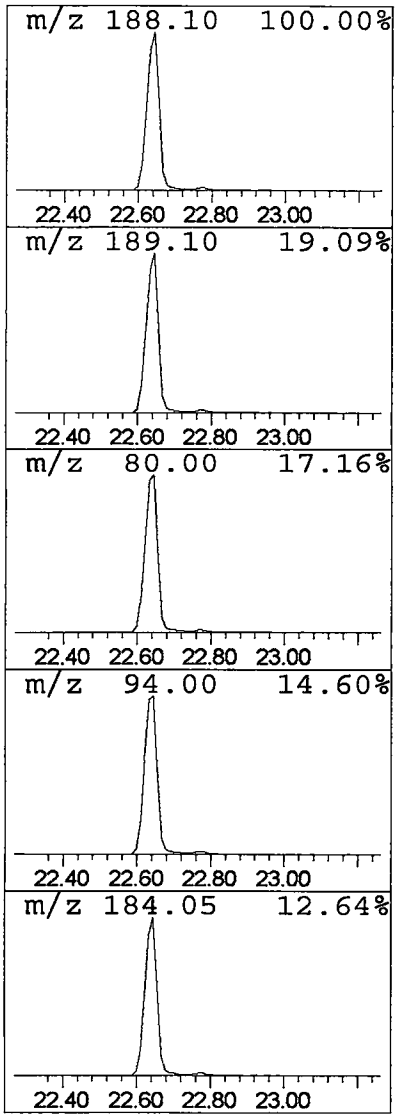
****

Peak Number 7 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.41 ug/L	354125	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	90
2	Anthracene-D10	188	C14D10	000000-00-0	80
3	Anthracene-d10-	188	C14D10	001719-06-8	80
4	Phenanthrene-d10	188	C14D10	001517-22-2	72





Library Search Compound Report

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Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

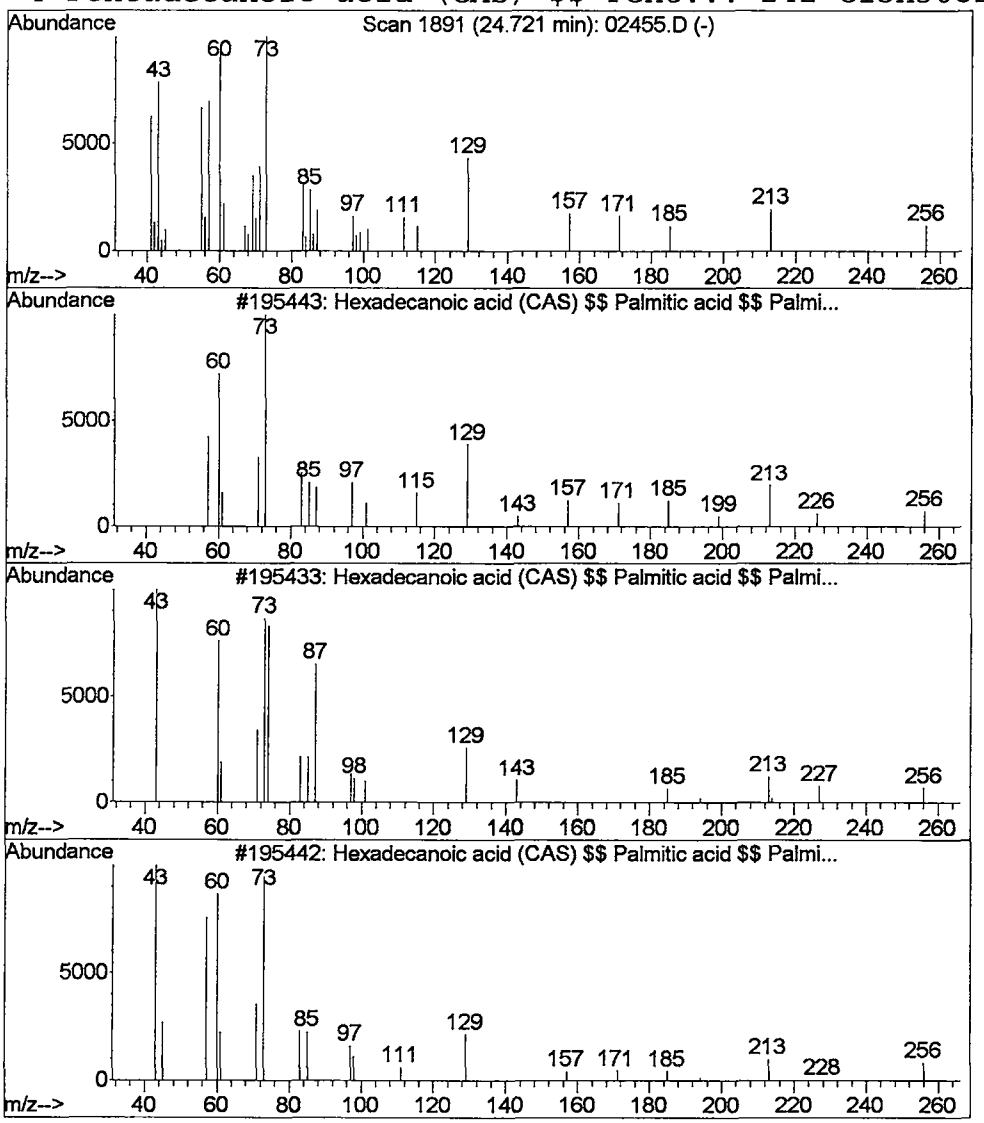
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

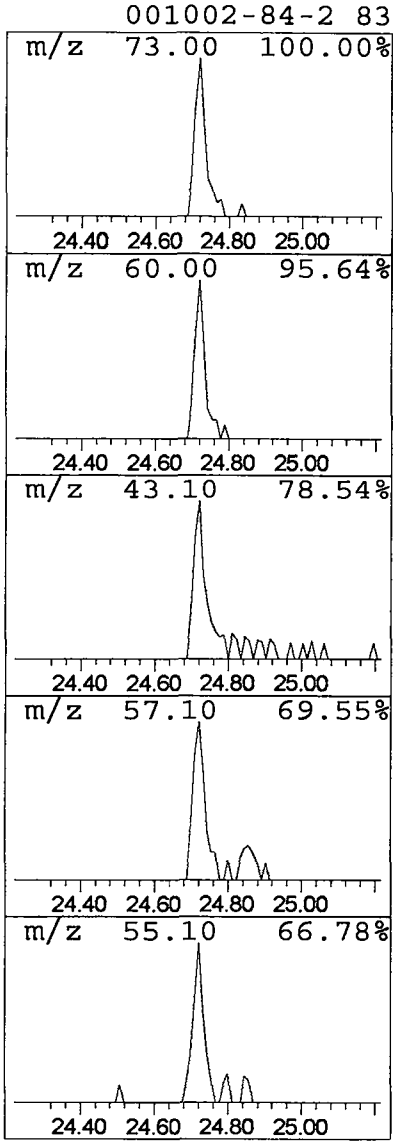
****

Peak Number 8 Hexadecanoic acid (CAS) $$ ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.72	0.15 ug/L	129231	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid (CAS) $$ Palmi...	256	C16H32O2	000057-10-3	95
2	Hexadecanoic acid (CAS) $$ Palmi...	256	C16H32O2	000057-10-3	91
3	Hexadecanoic acid (CAS) $$ Palmi...	256	C16H32O2	000057-10-3	87
4	Pentadecanoic acid (CAS) $$ Pent...	242	C15H30O2	001002-84-2	83





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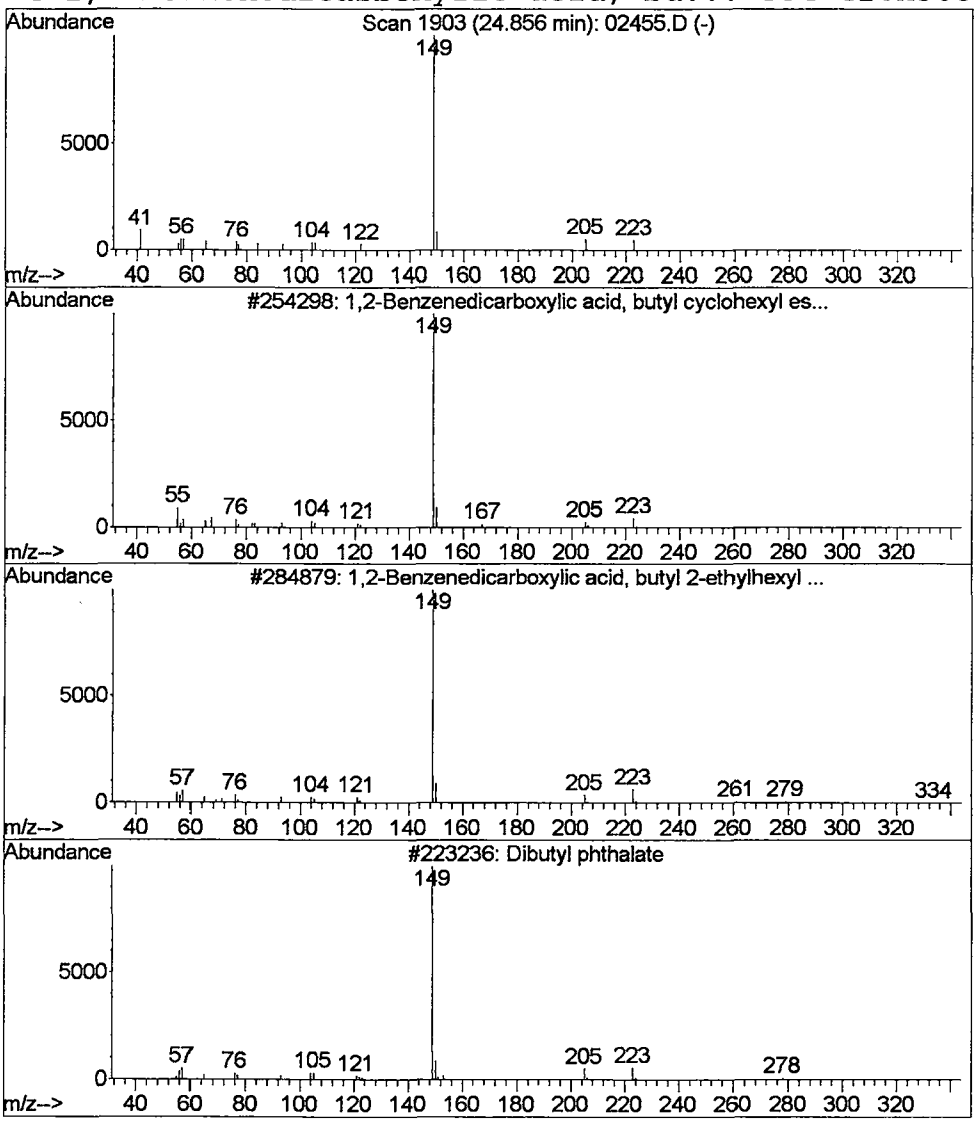
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

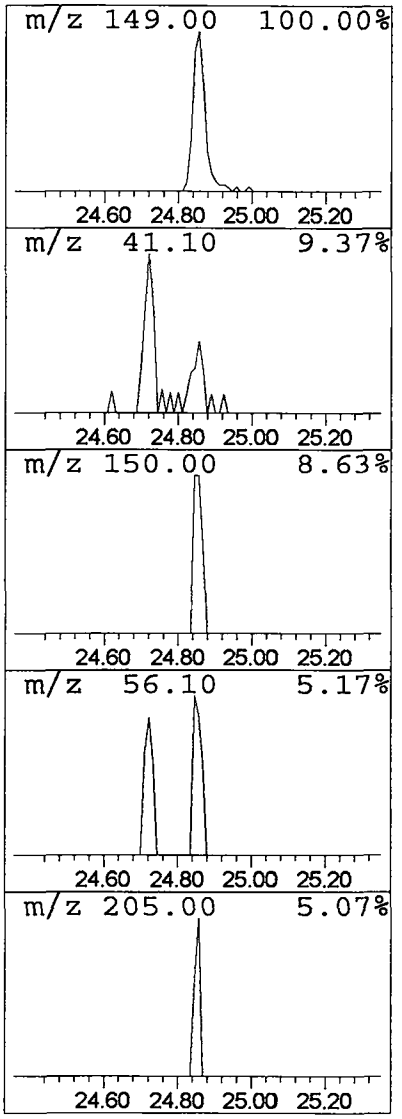
****

Peak Number 9 1,2-Benzenedicarboxylic aci... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.86	0.08 ug/L	69606	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bu...	304	C18H24O4	000084-64-0	83
2	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	83
3	Dibutyl phthalate	278	C16H22O4	000084-74-2	83
4	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000084-78-6	78





Library Search Compound Report

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Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

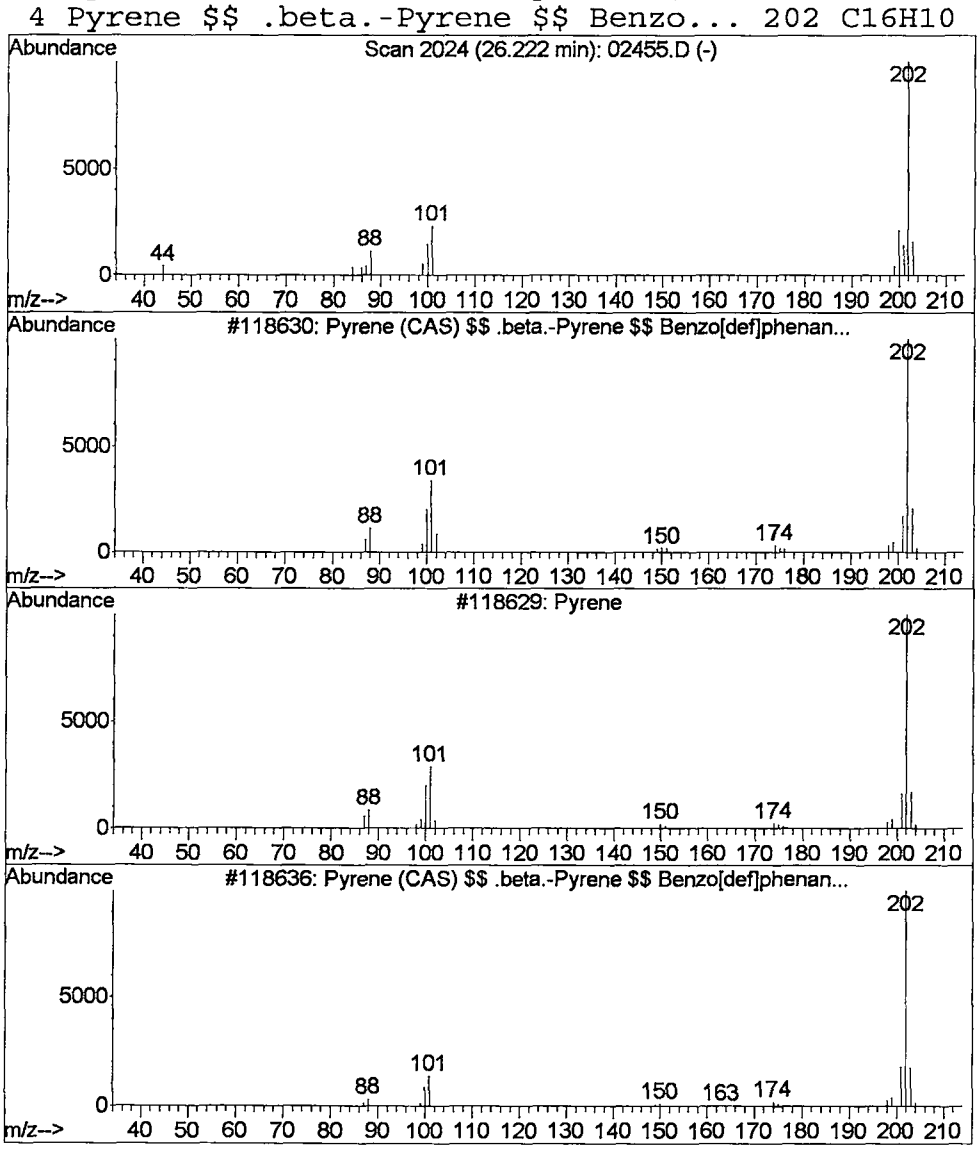
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

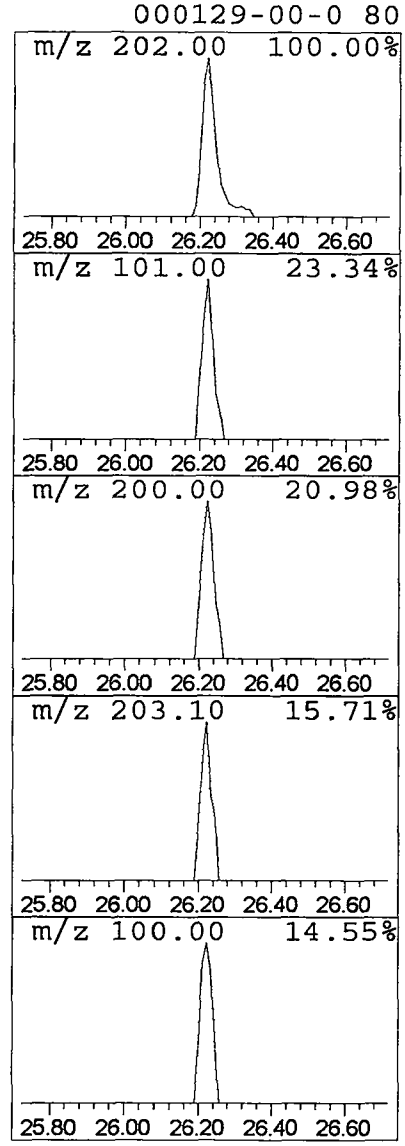
****

Peak Number 10 Pyrene (CAS) $$ .beta.-Pyre... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.22	0.09 ug/L	75935	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene (CAS) $$ .beta.-Pyrene $$...	202	C16H10	000129-00-0	87
2	Pyrene	202	C16H10	000129-00-0	87
3	Pyrene (CAS) $$ .beta.-Pyrene $$...	202	C16H10	000129-00-0	83
4	Pyrene $$ .beta.-Pyrene $$ Benzo...	202	C16H10	000129-00-0	80





Library Search Compound Report

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MS Integration Params: LSCINT.P

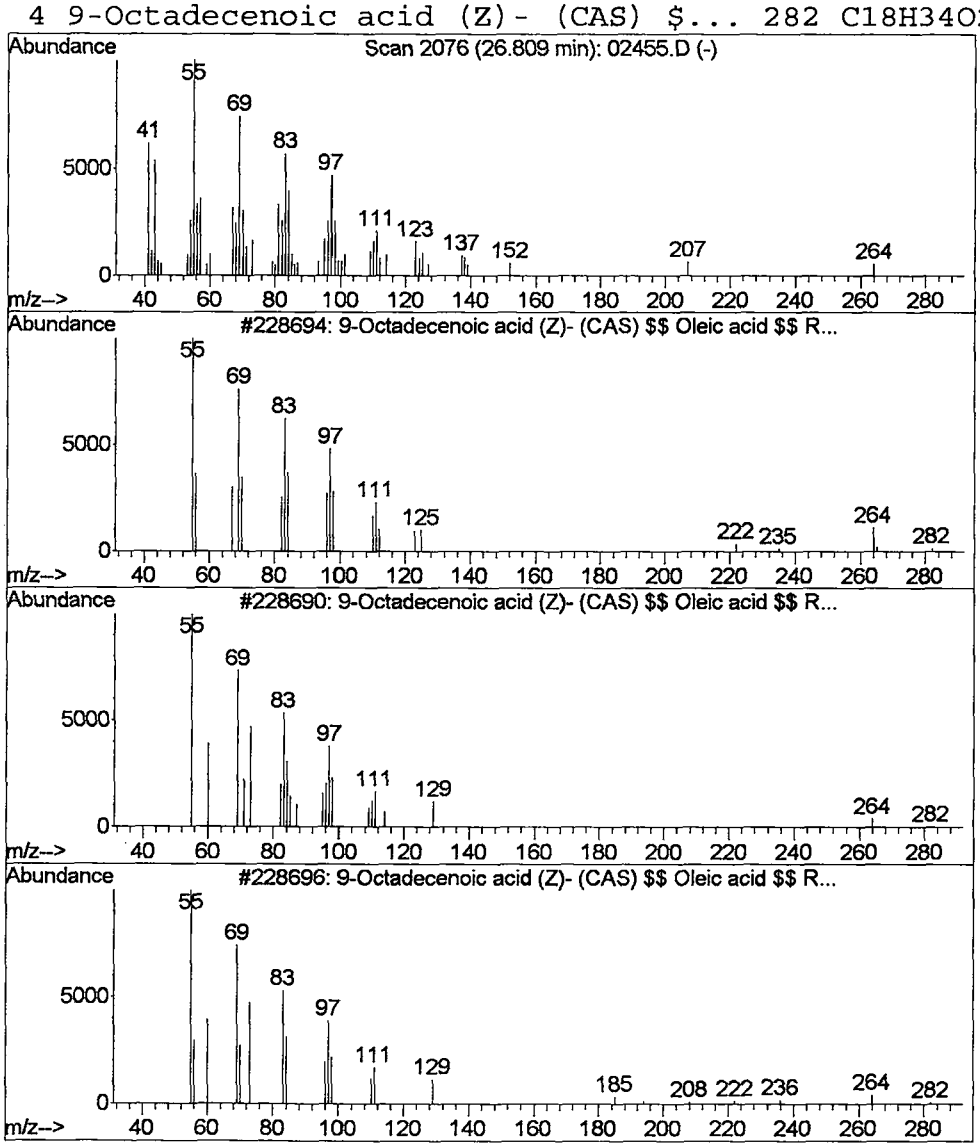
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

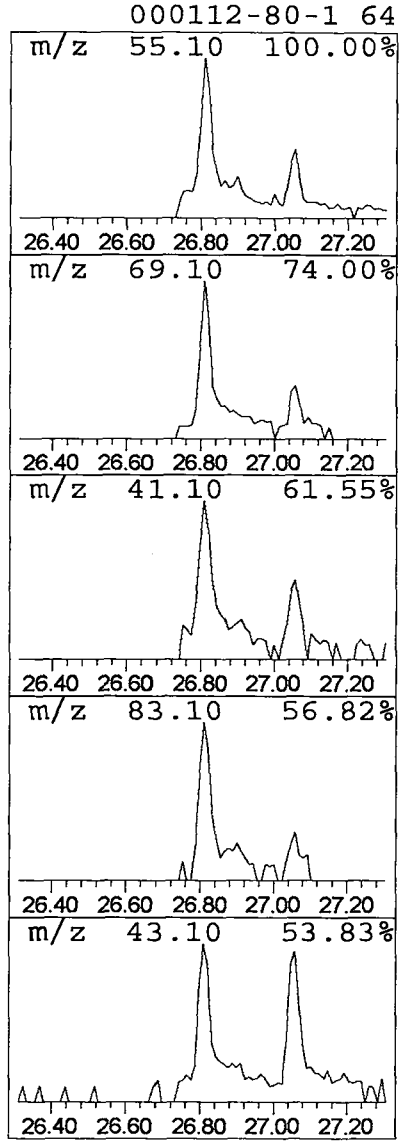
****

Peak Number 11 9-Octadecenoic acid (Z)- (C... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.81	0.55 ug/L	461909	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)- (CAS) $...	282	C18H34O2	000112-80-1	90
2	9-Octadecenoic acid (Z)- (CAS) $...	282	C18H34O2	000112-80-1	90
3	9-Octadecenoic acid (Z)- (CAS) $...	282	C18H34O2	000112-80-1	86
4	9-Octadecenoic acid (Z)- (CAS) $...	282	C18H34O2	000112-80-1	64





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Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

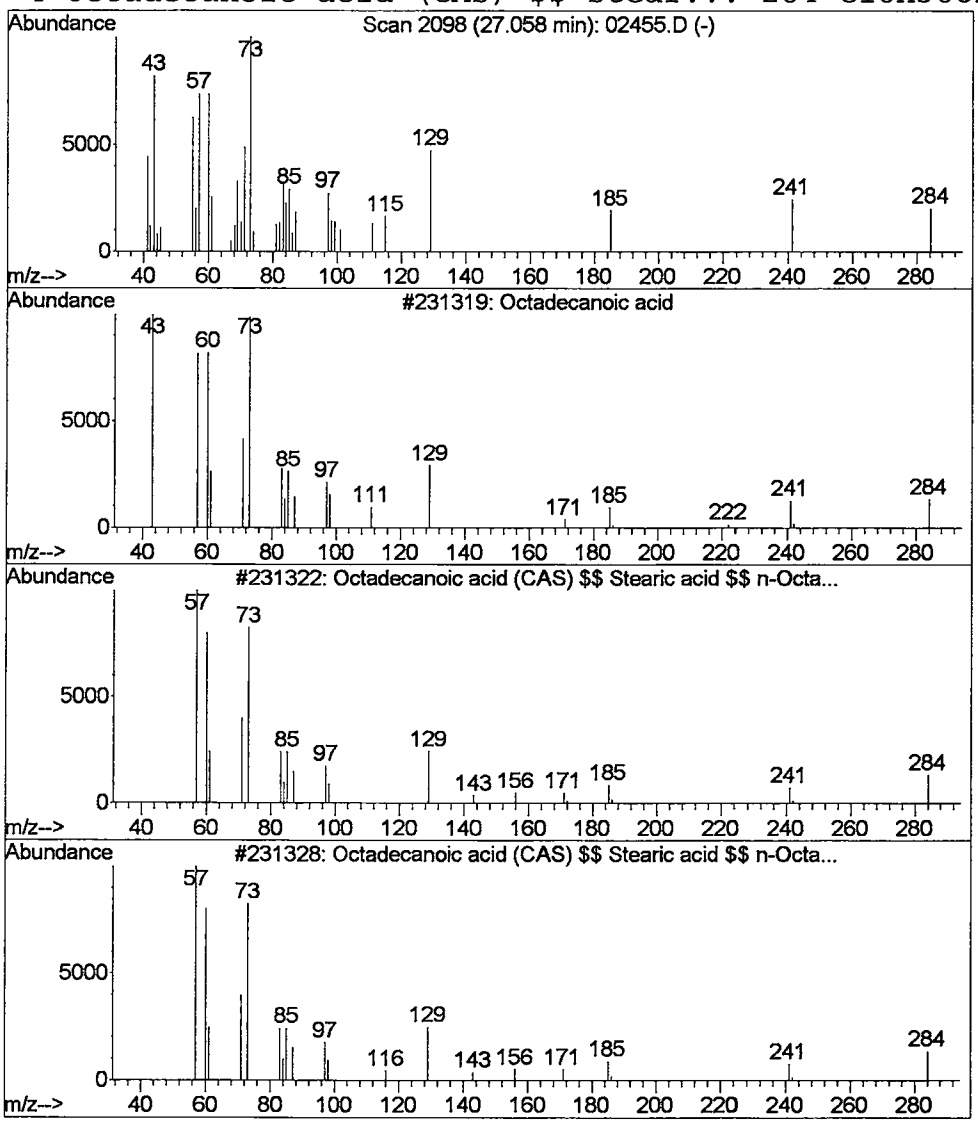
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

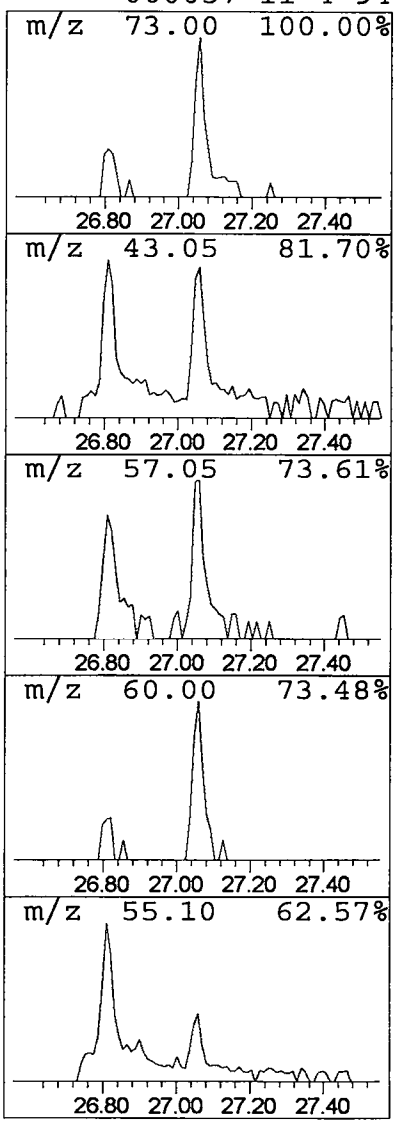
****

Peak Number 12 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.06	0.13 ug/L	105670	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Octadecanoic acid (CAS) $$ Stear...	284	C18H36O2	000057-11-4	95
3	Octadecanoic acid (CAS) $$ Stear...	284	C18H36O2	000057-11-4	95
4	Octadecanoic acid (CAS) $$ Stear...	284	C18H36O2	000057-11-4	94





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02455.D Vial: 6
Acq On : 27 Feb 2002 7:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

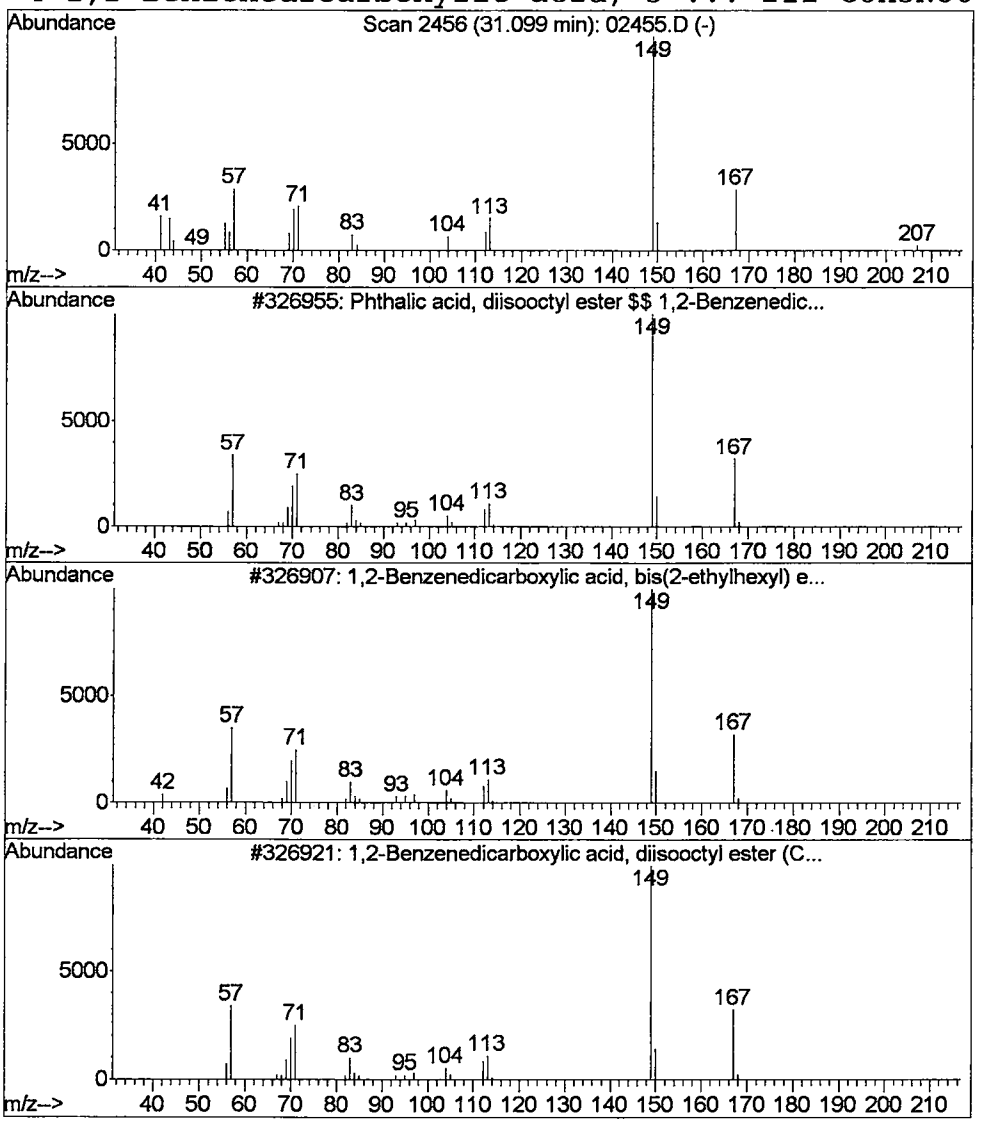
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

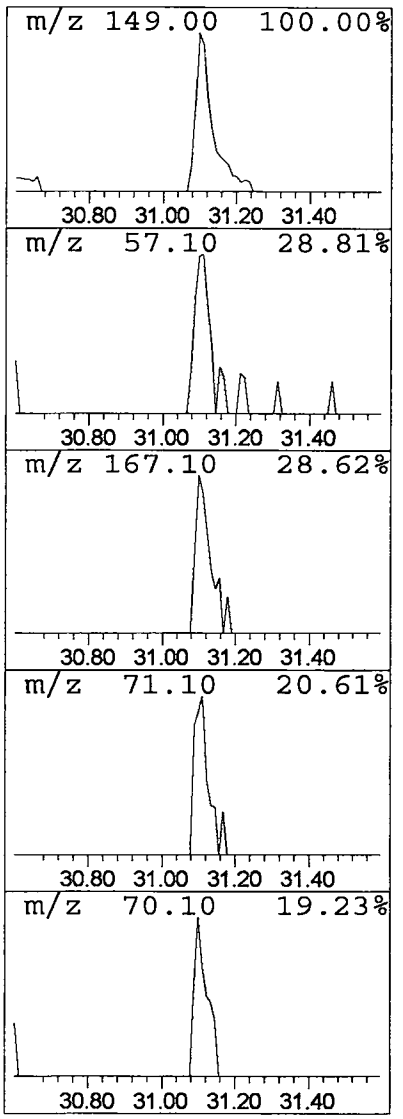
****

Peak Number 13 Phthalic acid, diisooctyl e... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.10	0.10 ug/L	86183	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, diisooctyl ester ...	390	C24H38O4	001330-91-2	90
2	1,2-Benzenedicarboxylic acid, bi...	390	C24H38O4	000117-81-7	90
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	90
4	1,2-Benzenedicarboxylic acid, 3-...	211	C8H5NO6	000603-11-2	83





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Feb 2002 7:28 pm
Data File: C:\MSDCHEM\1\5973N\02FEB27\02455.D
Name: 508 scan
Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Butanoic acid, me...	3.62	0.1	ug/L	64003	1	9.72	9785690	20.0
2,2-dimethoxybutane	4.24	0.4	ug/L	174182	1	9.72	9785690	20.0
Acetic acid, 3-[1...	5.94	0.4	ug/L	179690	1	9.72	9785690	20.0
2-Propanone, 1,1,...	6.00	0.3	ug/L	142231	1	9.72	9785690	20.0
(Bromosilyl)methy...	18.42	0.1	ug/L	69780	3	18.34	15704000	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	116993	4	22.64	17225600	20.0
DECADEUTEROPHENAN...	22.77	0.4	ug/L	354125	4	22.64	17225600	20.0
Hexadecanoic acid...	24.72	0.2	ug/L	129231	4	22.64	17225600	20.0
1,2-Benzenedicarb...	24.86	0.1	ug/L	69606	4	22.64	17225600	20.0
Pyrene (CAS) $$	26.22	0.1	ug/L	75935	4	22.64	17225600	20.0
9-Octadecenoic ac...	26.81	0.6	ug/L	461909	5	30.50	16761900	20.0
Octadecanoic acid	27.06	0.1	ug/L	105670	5	30.50	16761900	20.0
Phthalic acid, di...	31.10	0.1	ug/L	86183	5	30.50	16761900	20.0

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/07/2002 Time: 12:14:02

Sample: AE02456
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/7/02 12:12 Ended: 3/7/02 12:12 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		112		5.0

Comments for Sample AE02456 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-07-2002 Time: 12:14:06

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoverie for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges, while 2 were below.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 08:37:58 2002 Quant Results File: HP022102.RES

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

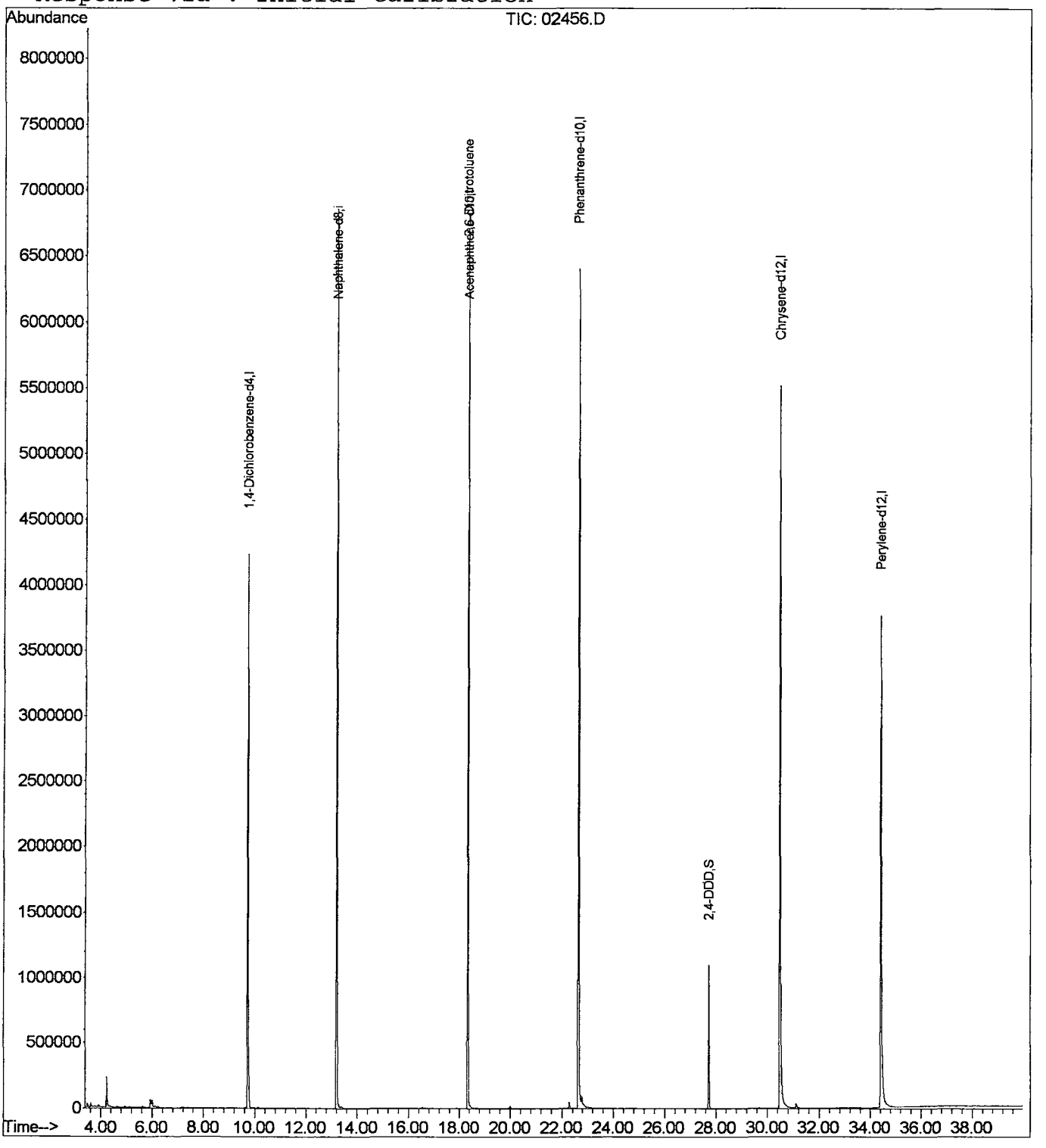
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1580588	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	6766706	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3376613	20.00	ug/L	0.00
29) Phenanthrene-d10	22.63	188	5555004	20.00	ug/L	-0.01
38) Chrysene-d12	30.49	240	4528858	20.00	ug/L	-0.03
44) Perylene-d12	34.42	264	3095779	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	413980	5.59	ug/L	0.00
Spiked Amount 5.000			Recovery =	111.80%		
Target Compounds						Qvalue
21) 2,6-Dinitrotoluene	18.33	165	433461	9.16	ug/L	# 27

(#) = qualifier out of range (m) = manual integration
02456.D HP022102.M Thu Feb 28 08:37:59 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 28 8:37 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

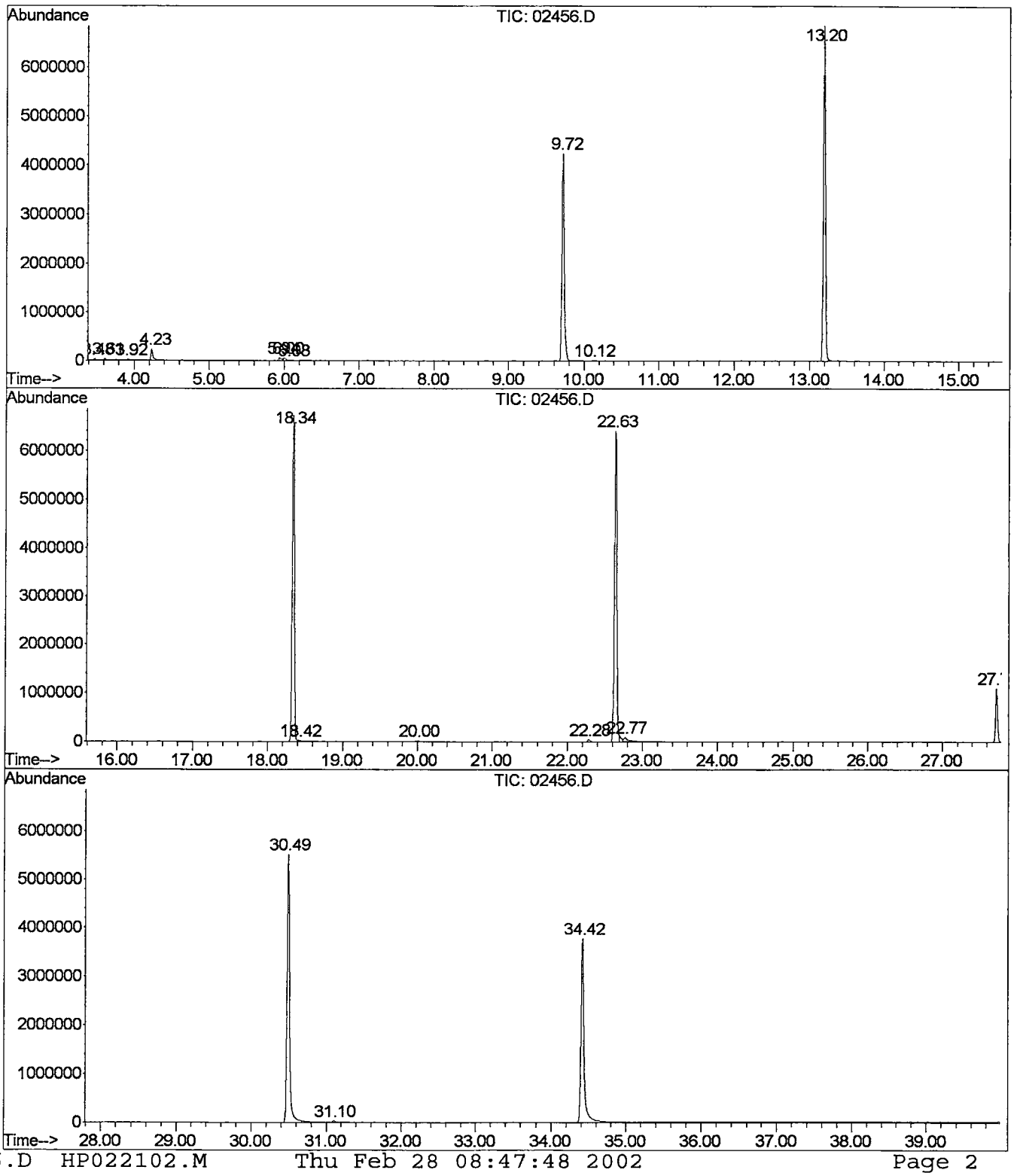
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.475	7	9	17	rVB2	27818	49471	0.34%	0.064%
2	3.611	17	21	25	rBV	32592	49573	0.34%	0.064%
3	3.916	43	48	53	rVB	14681	28067	0.19%	0.036%
4	4.232	73	76	85	rBV	227970	400957	2.78%	0.520%
5	5.936	225	227	231	rBV	60540	135110	0.94%	0.175%
6	6.004	231	233	237	rVV	55533	114783	0.80%	0.149%
7	6.083	237	240	251	rVV4	12325	59102	0.41%	0.077%
8	9.718	557	562	575	rVV	4233309	8792101	60.94%	11.392%
9	10.125	595	598	607	rBV4	10433	31023	0.22%	0.040%
10	13.195	865	870	875	rBV	6856294	12738378	88.29%	16.505%
11	18.343	1321	1326	1331	rBV	6711587	13671785	94.76%	17.715%
12	18.422	1331	1333	1341	rVB3	20594	54831	0.38%	0.071%
13	20.002	1467	1473	1481	rVB2	20505	52287	0.36%	0.068%
14	22.283	1671	1675	1681	rBV	46040	91093	0.63%	0.118%
15	22.633	1701	1706	1711	rBV2	6399879	14427607	100.00%	18.694%
16	22.768	1715	1718	1735	rVB	82432	342767	2.38%	0.444%
17	27.724	2153	2157	2163	rVV	1099721	1996359	13.84%	2.587%
18	30.490	2397	2402	2437	rBV2	5520638	13448014	93.21%	17.425%
19	31.099	2451	2456	2467	rBV	34057	101996	0.71%	0.132%
20	34.418	2743	2750	2785	rBV	3762649	10592684	73.42%	13.725%

Sum of corrected areas: 77177988

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB27\02456.D
Operator :
Acquired : 27 Feb 2002 8:18 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 27, 2002
Vial Number: 7
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

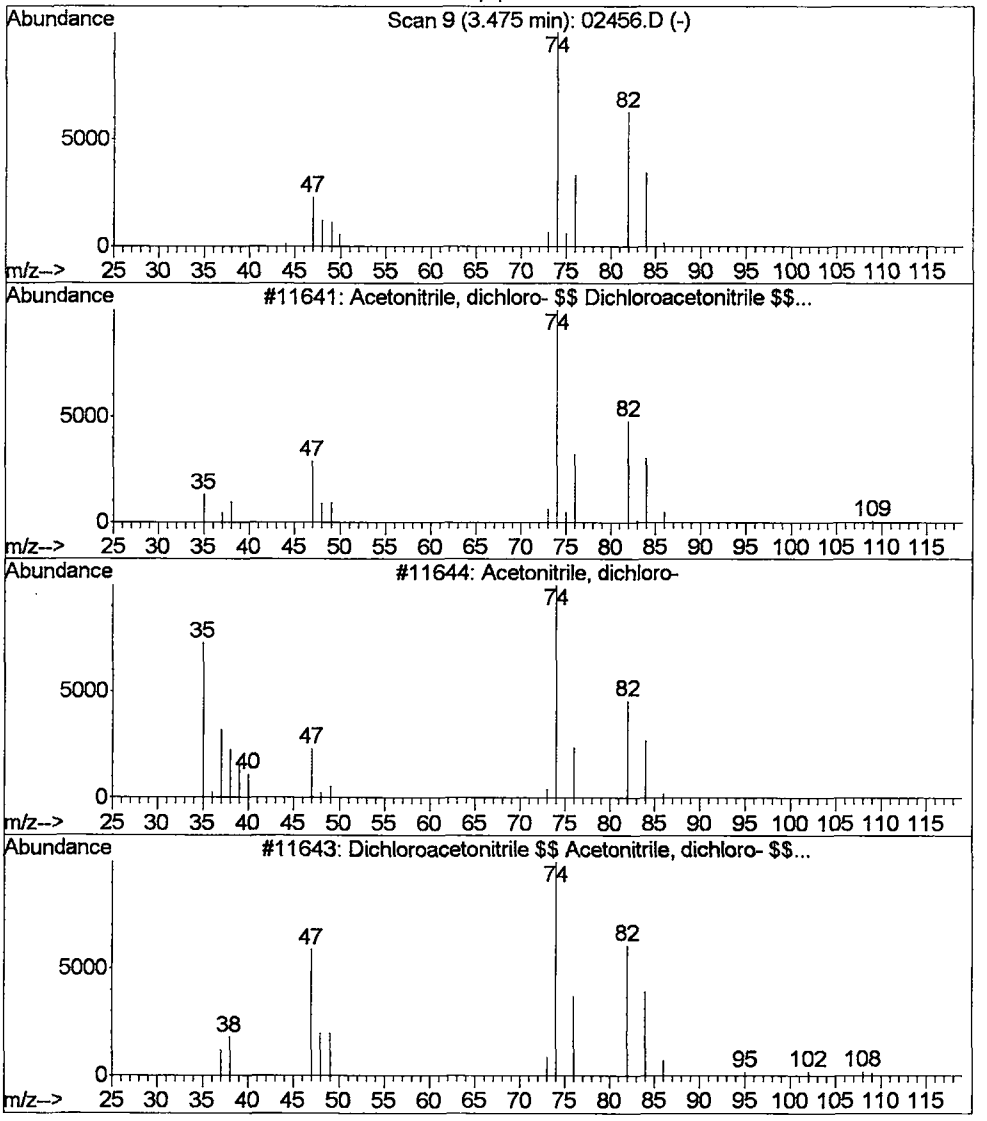
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

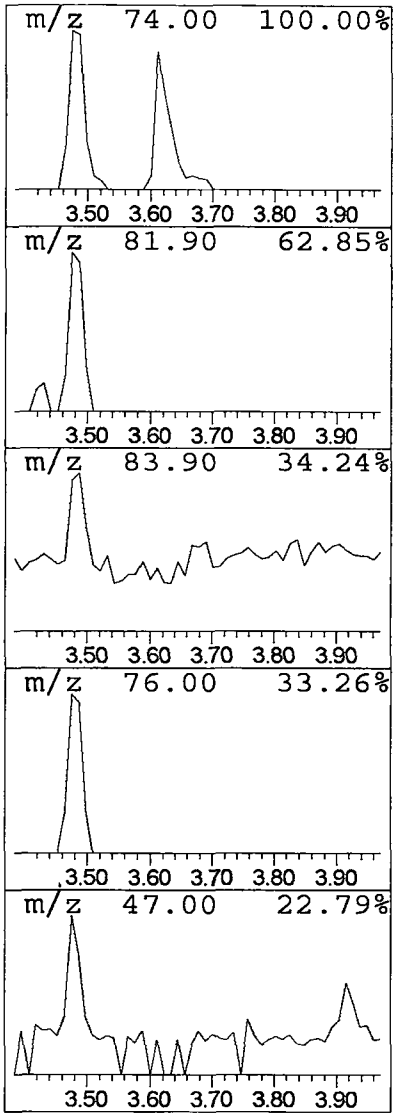
****

Peak Number 1 Acetonitrile, dichloro- $$ ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	0.11 ug/L	49471	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	83
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	78
3	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	74
4	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	74





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

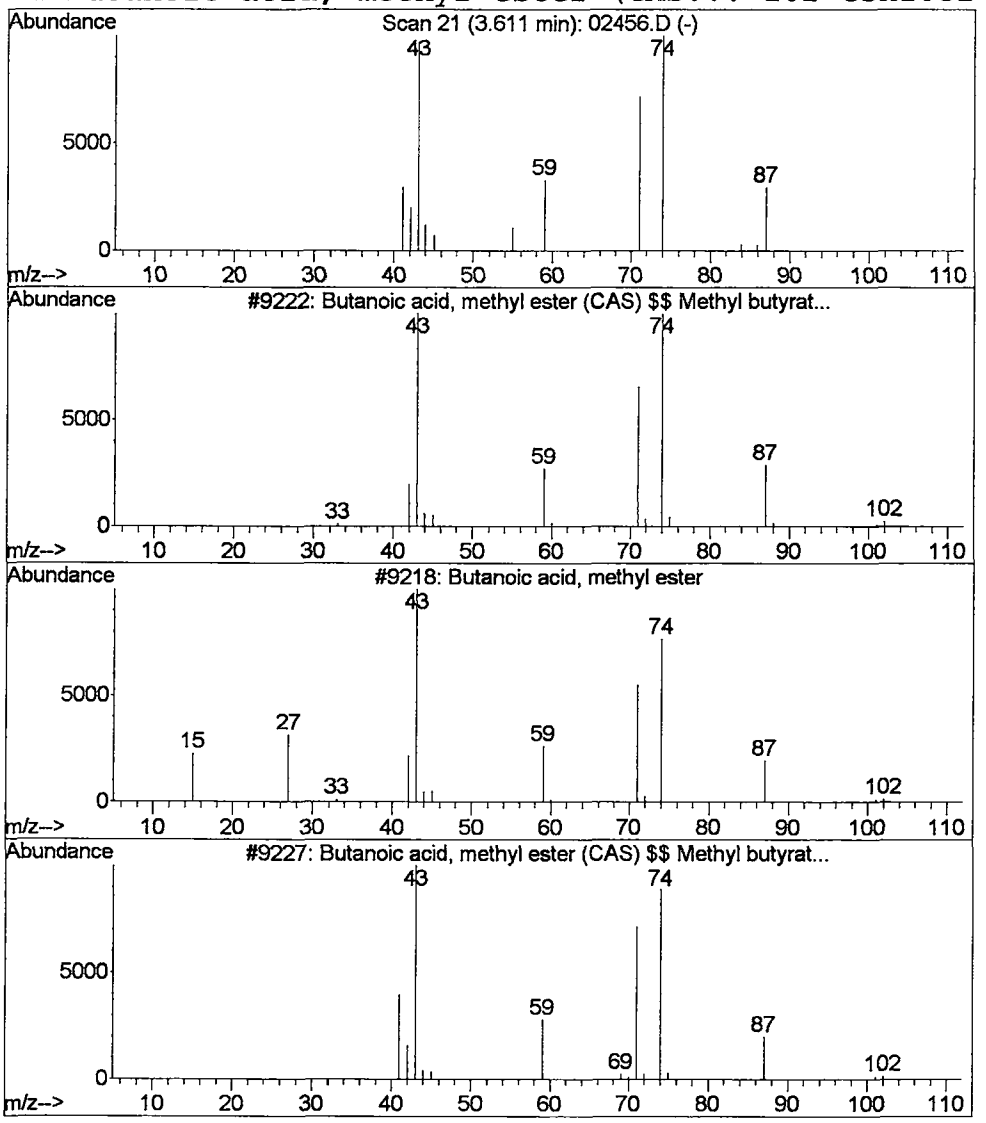
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

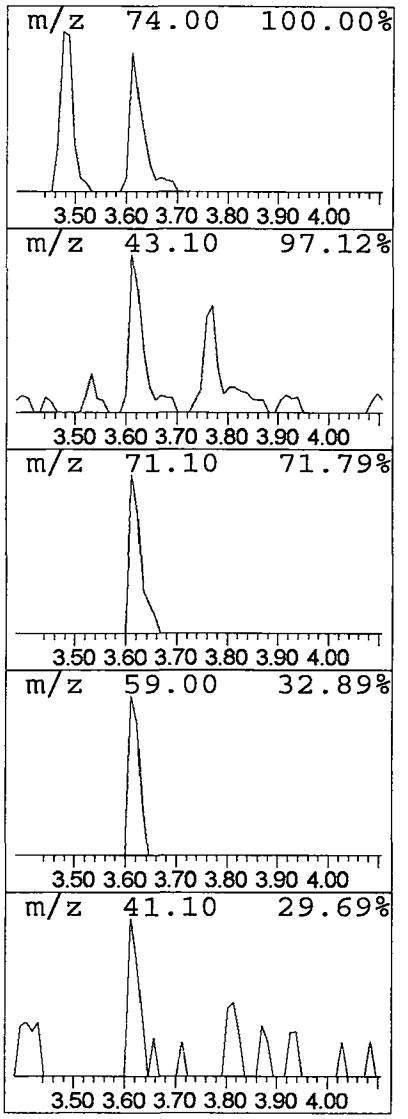
****

Peak Number 2 Butanoic acid, methyl ester... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	0.11 ug/L	49573	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

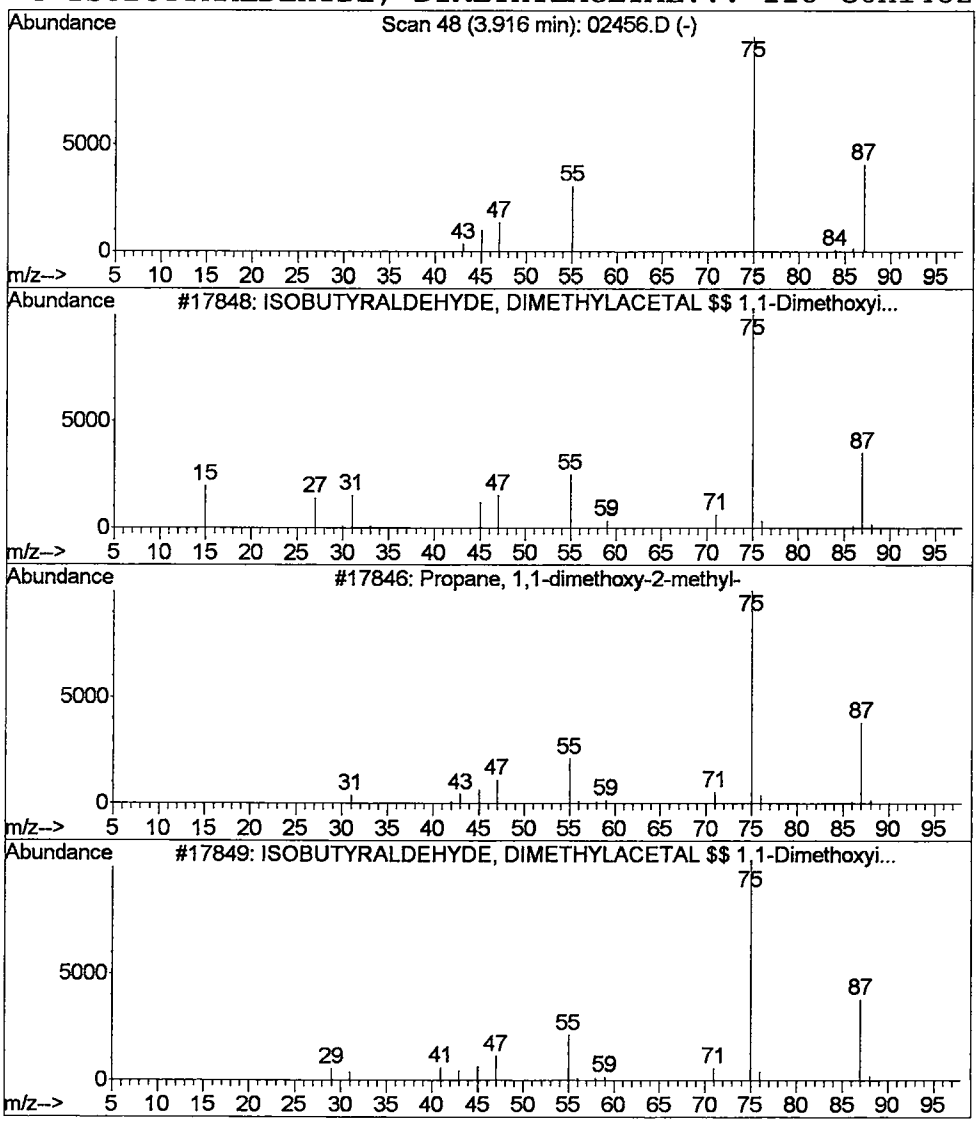
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

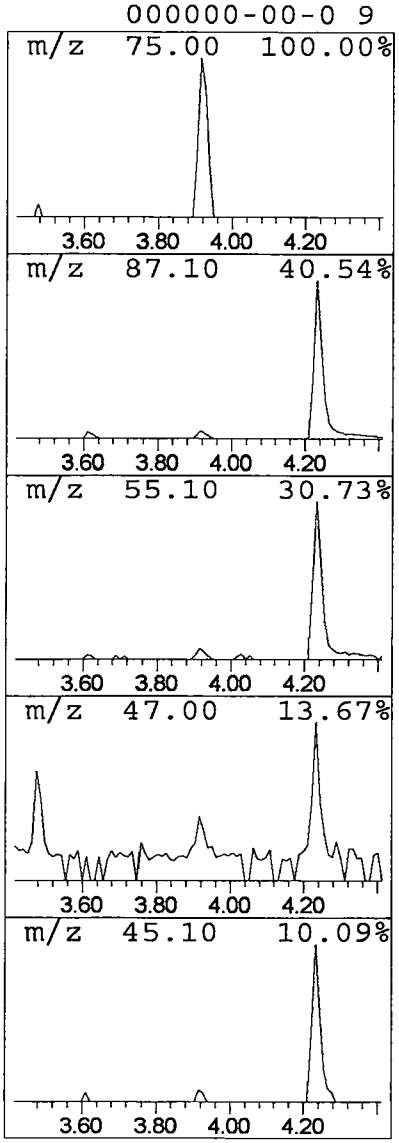
****

Peak Number 3 ISOBUTYRALDEHYDE, DIMETHYLA... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	0.06 ug/L	28067	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
2	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	74
3	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	64
4	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

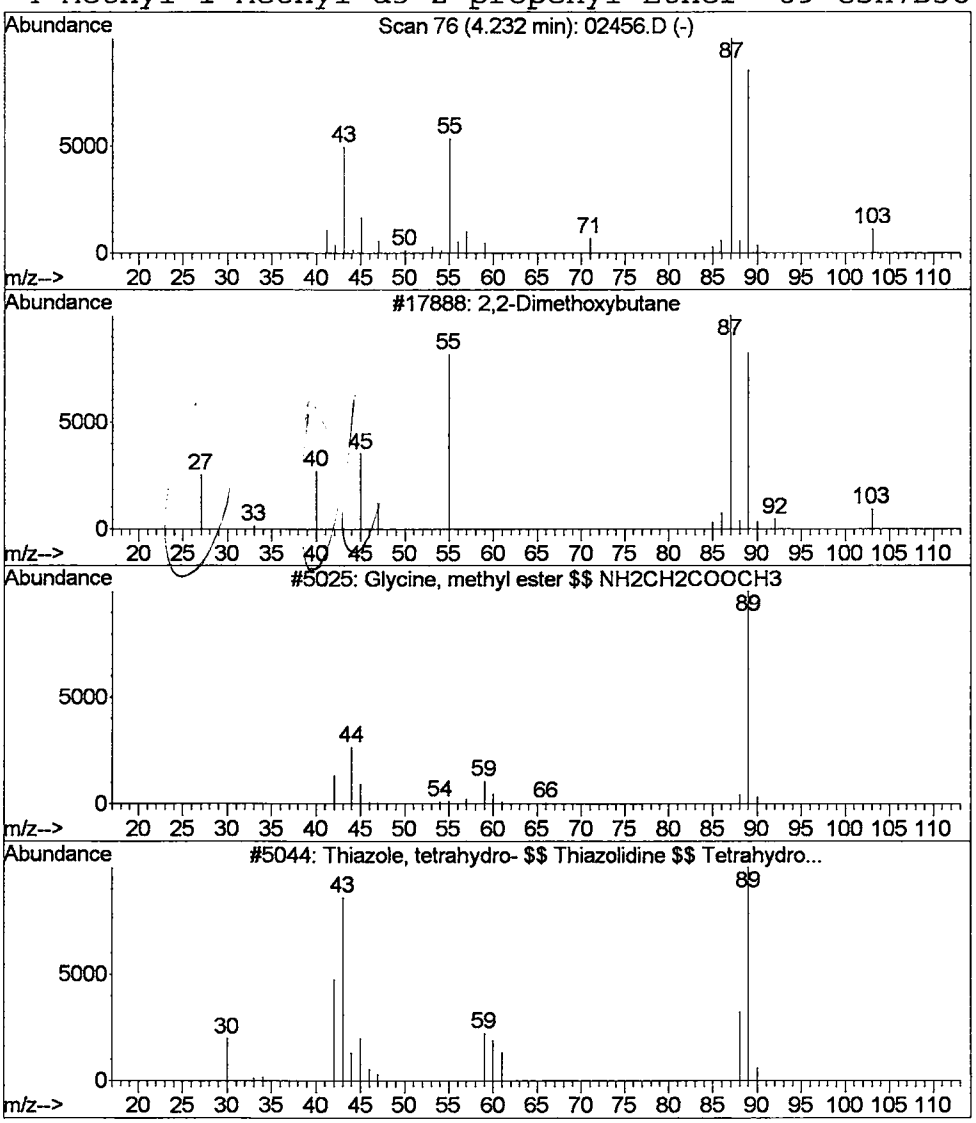
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

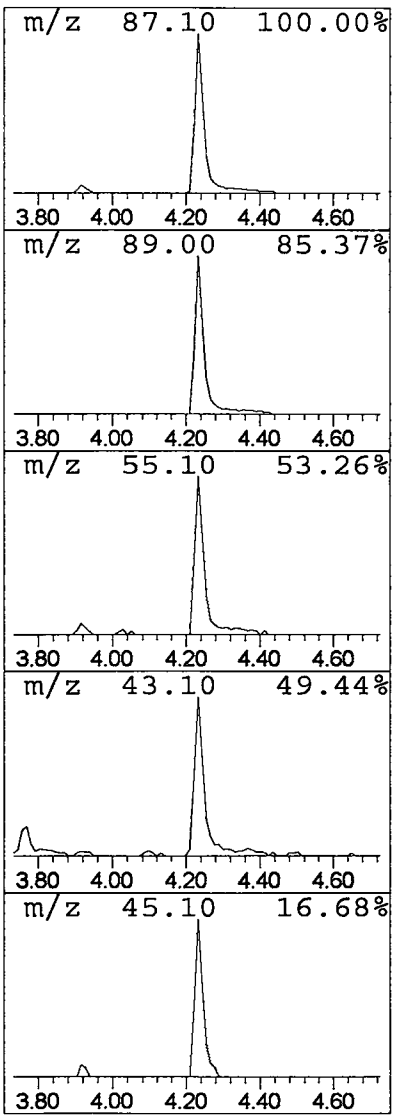
****

Peak Number 4 2,2-Dimethoxybutane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.23	0.91 ug/L	400957	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	83
2	Glycine, methyl ester $$ NH2CH2C...	89	C3H7NO2	000616-34-2	42
3	Thiazole, tetrahydro- $$ Thiazol...	89	C3H7NS	000504-78-9	36
4	Methyl 1-Methyl-d3-2-propenyl Ether	89	C5H7D3O	000000-00-0	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

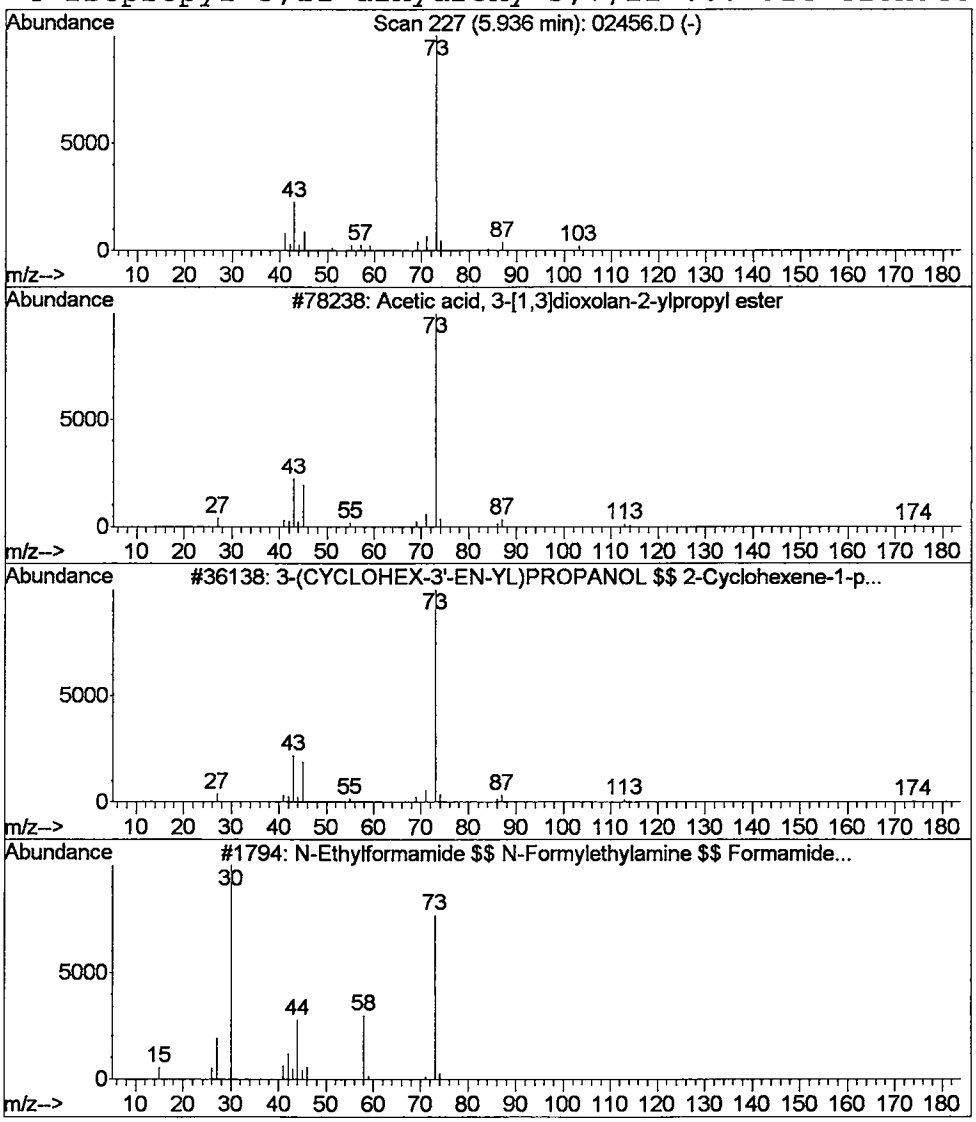
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

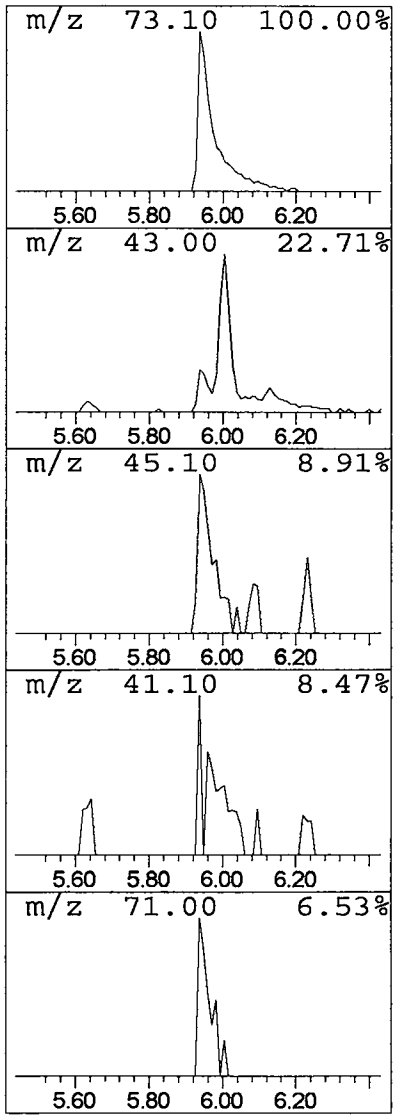
****

Peak Number 5 Acetic acid, 3-[1,3]dioxola... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	0.31 ug/L	135110	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	36
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	36
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
4	Isopropyl 5,11-dihydroxy-3,7,11-...	314	C18H34O4	000000-00-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

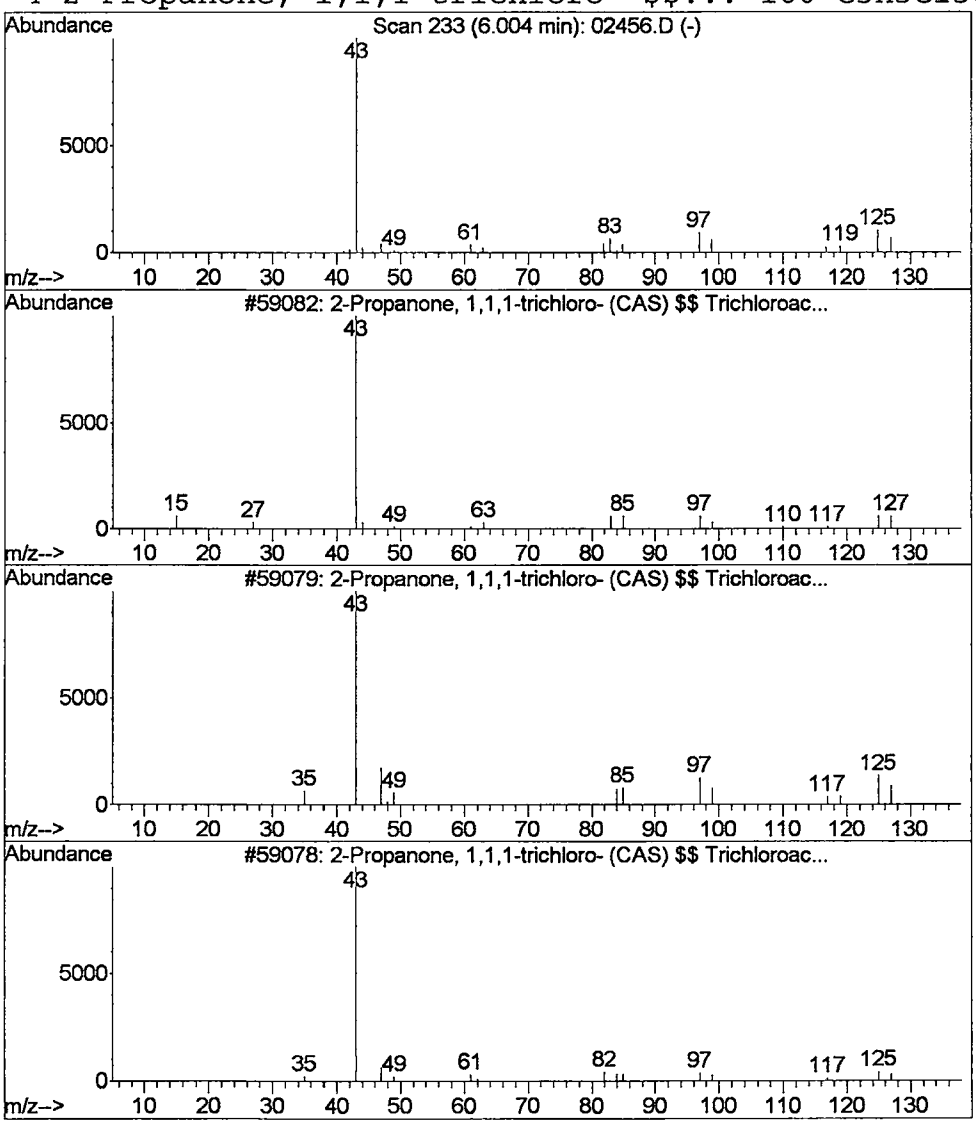
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

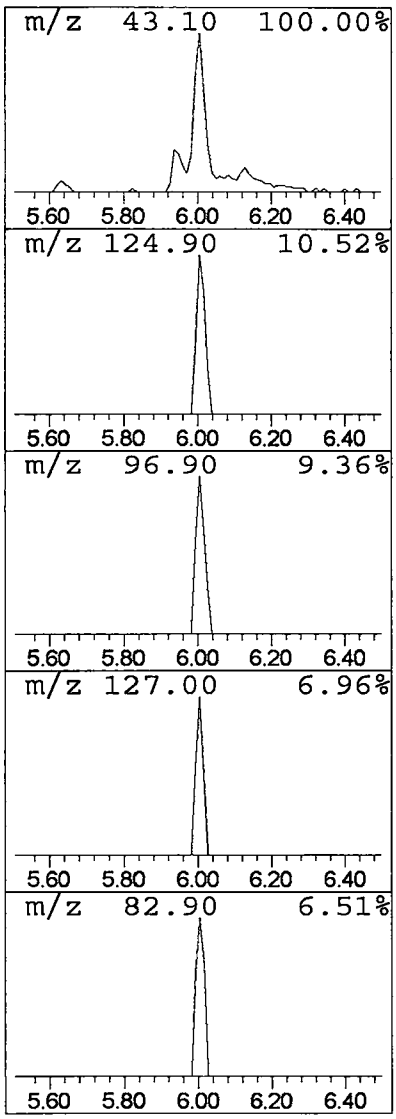
****

Peak Number 6 2-Propanone, 1,1,1-trichlor... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.26 ug/L	114783	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	59
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	56
3	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	43
4	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

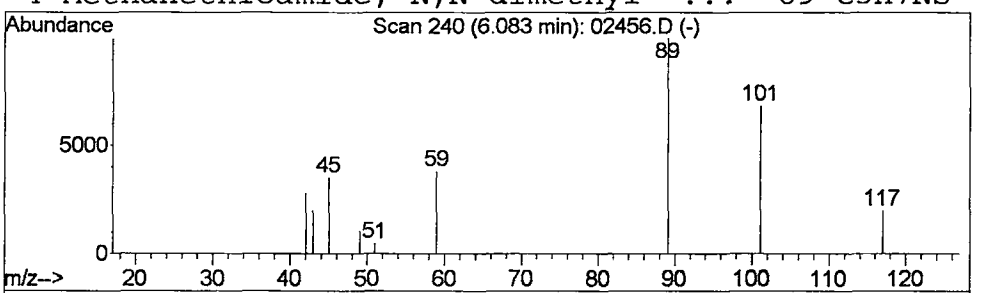
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

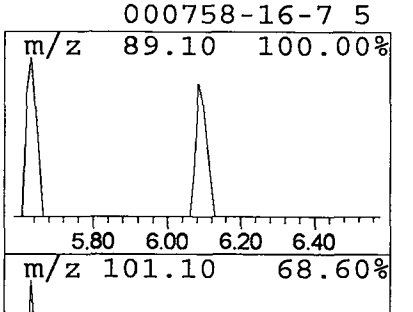
****

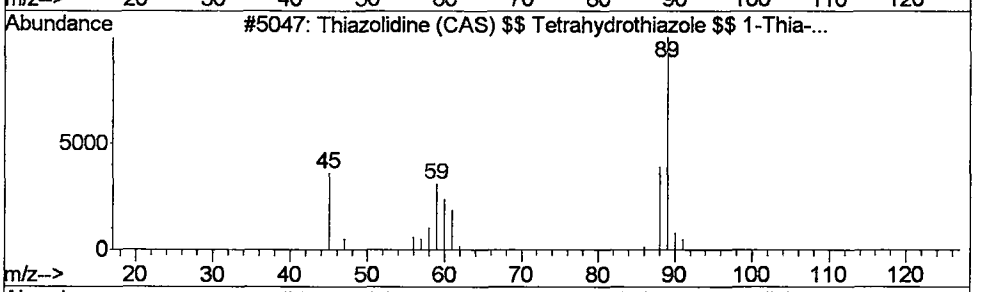
Peak Number 7 Thiazolidine (CAS) $$ Tetra... Concentration Rank 6

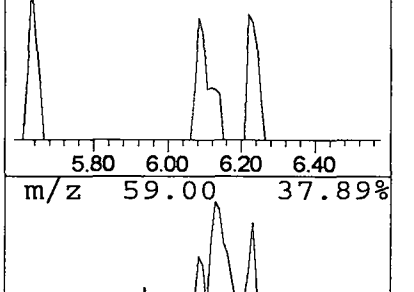
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	0.13 ug/L	59102	1,4-Dichlorobenzene-d4	9.72

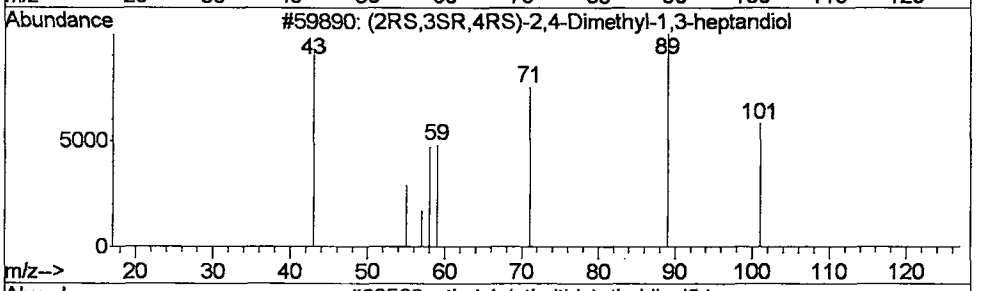
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazolidine (CAS) $$ Tetrahydro...	89	C3H7NS	000504-78-9	9
2	(2RS,3SR,4RS)-2,4-Dimethyl-1,3-h...	160	C9H20O2	000000-00-0	9
3	ethyl-1-(ethylthio)ethyldisulfide	182	C6H14S3	000000-00-0	9
4	Methanethioamide, N,N-dimethyl- ...	89	C3H7NS	000758-16-7	5

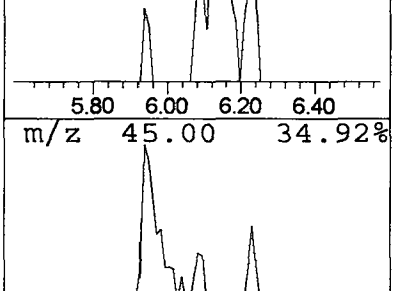


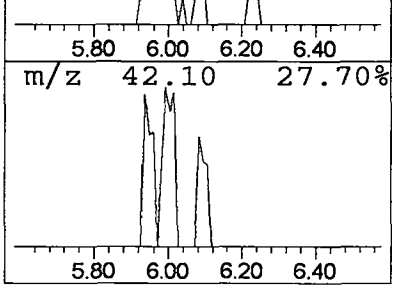


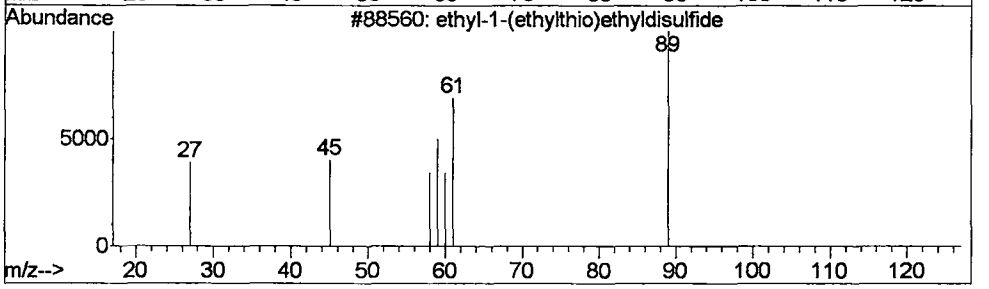












Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

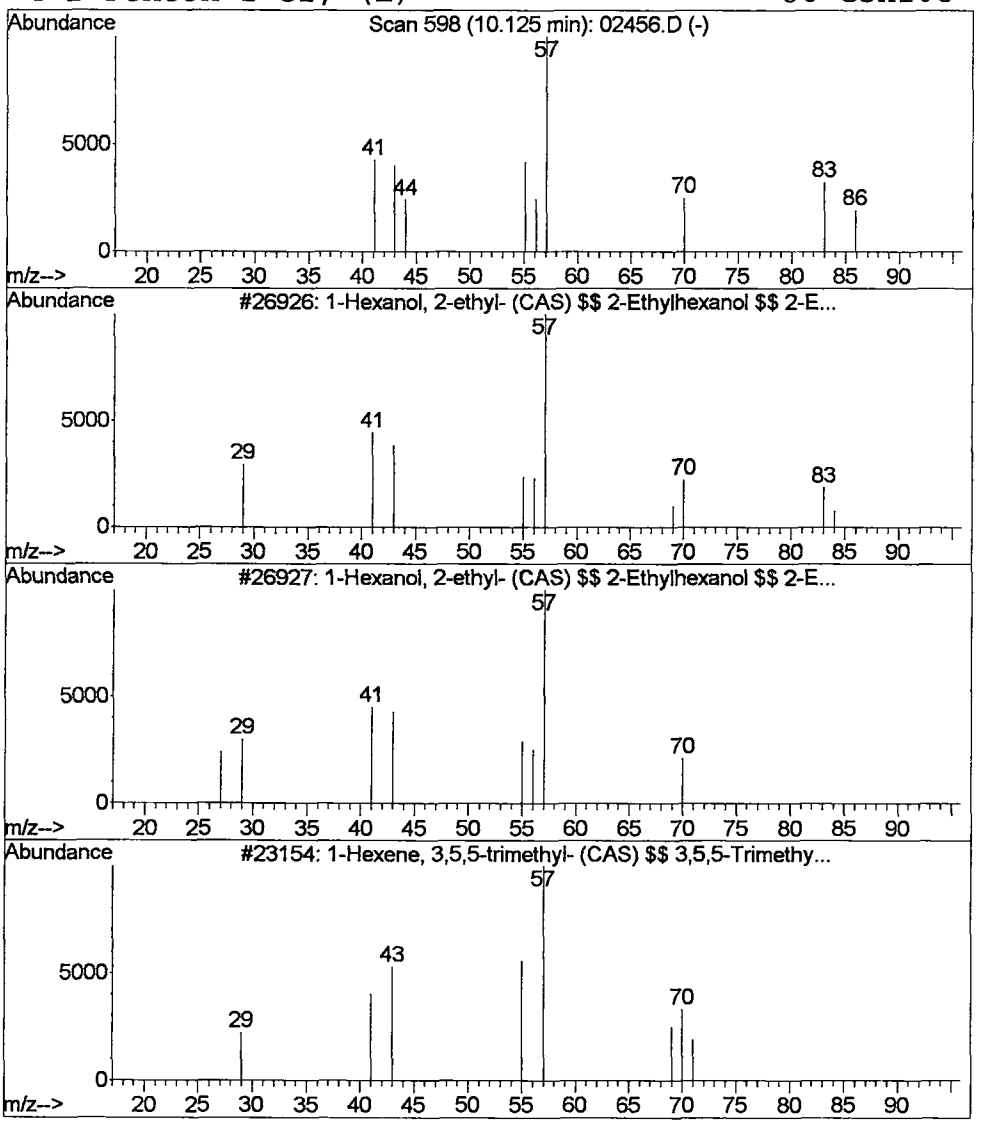
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

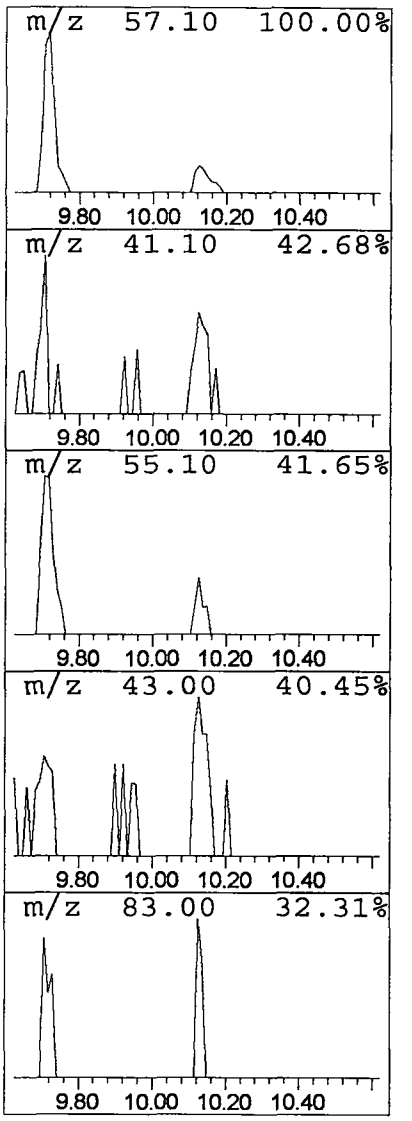
****

Peak Number 8 1-Hexanol, 2-ethyl- (CAS) $... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	0.07 ug/L	31023	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl- (CAS) $$ 2-E...	130	C8H18O	000104-76-7	25
2	1-Hexanol, 2-ethyl- (CAS) $$ 2-E...	130	C8H18O	000104-76-7	23
3	1-Hexene, 3,5,5-trimethyl- (CAS)...	126	C9H18	004316-65-8	9
4	2-Penten-1-ol, (E)-	86	C5H10O	001576-96-1	7





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Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
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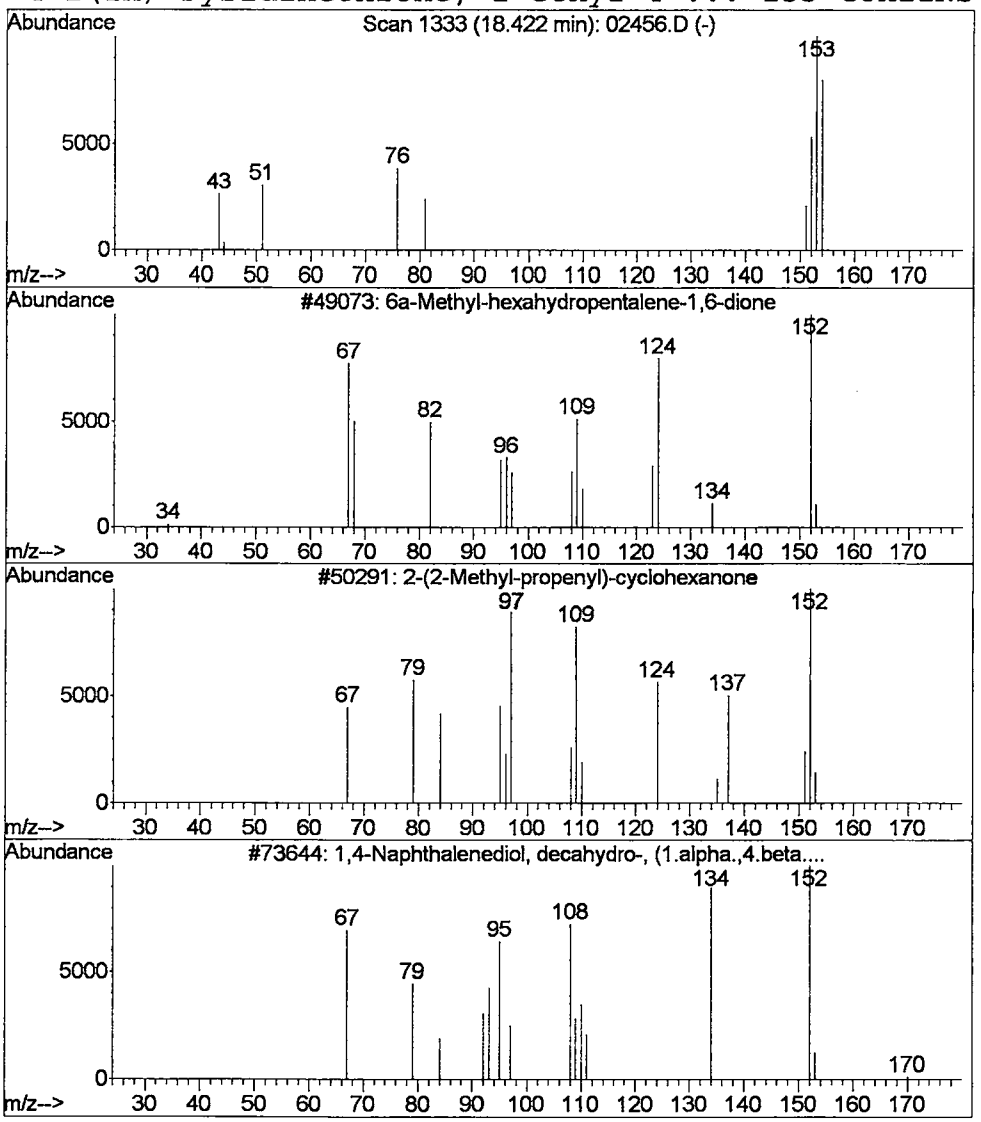
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

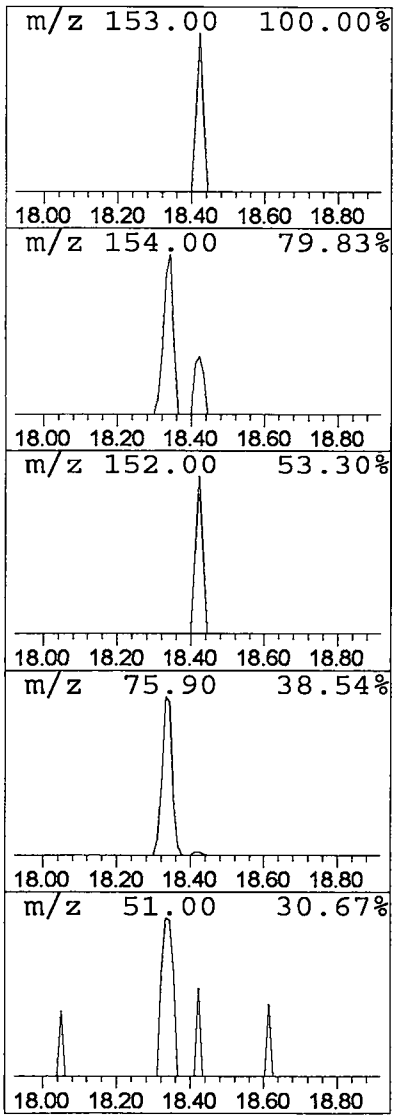
****

Peak Number 9 6a-Methyl-hexahydropentalen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	0.08 ug/L	54831	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6a-Methyl-hexahydropentalene-1,6...	152	C9H12O2	092485-86-4	16
2	2-(2-Methyl-propenyl)-cyclohexanone	152	C10H16O	000000-00-0	10
3	1,4-Naphthalenediol, decahydro-,...	170	C10H18O2	001127-54-4	9
4	2(1H)-Pyridinethione, 1-ethyl-4-...	153	C8H11NS	019006-72-5	5





Library Search Compound Report

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Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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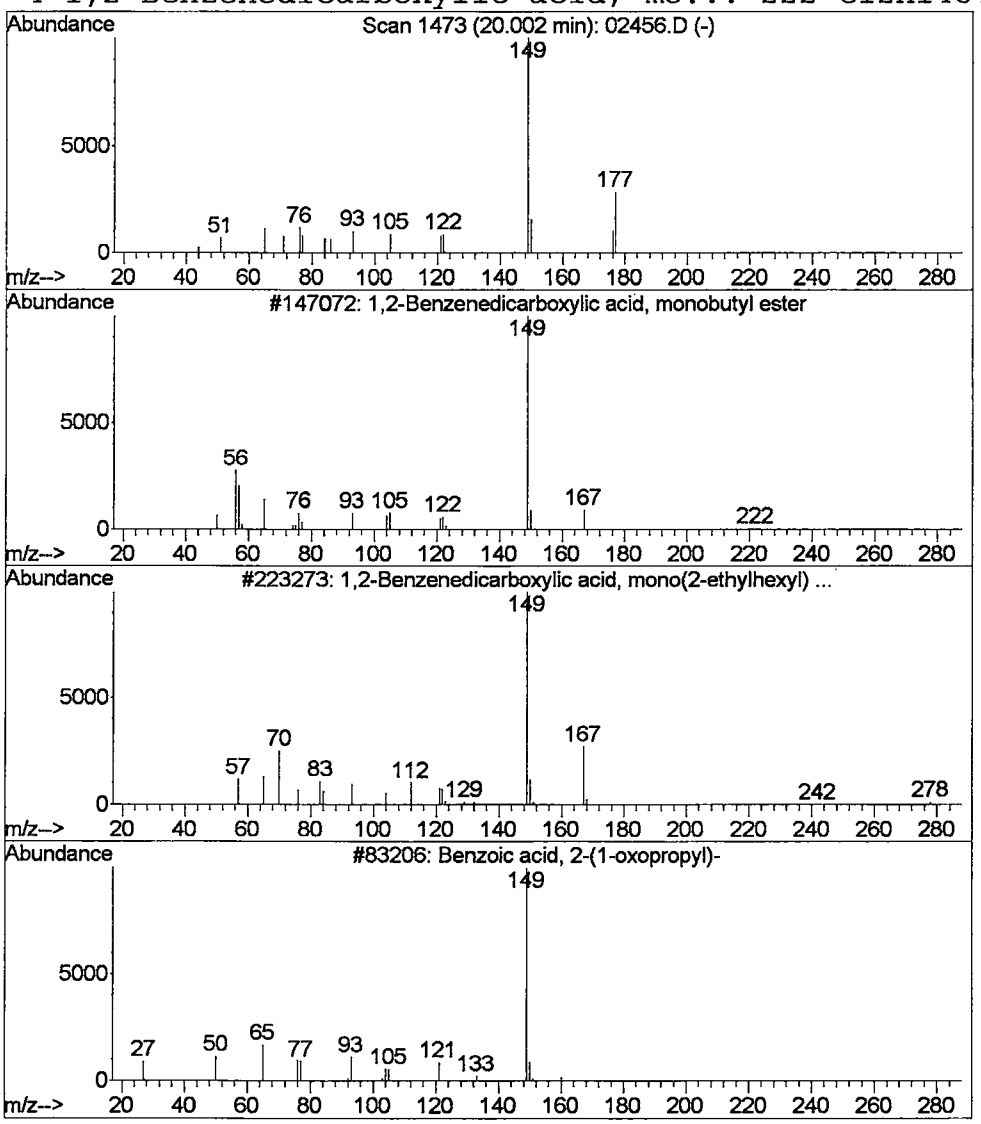
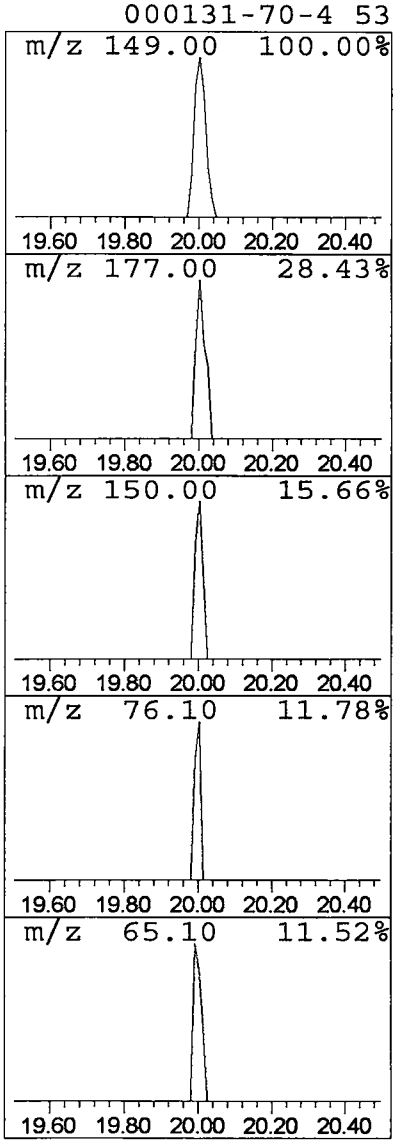
Peak Number 10 1,2-Benzenedicarboxylic aci... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	0.08 ug/L	52287	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	59
2	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	59
3	Benzoic acid, 2-(1-oxopropyl)-	178	C10H10O3	002360-45-4	53
4	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	53





Library Search Compound Report

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Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
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Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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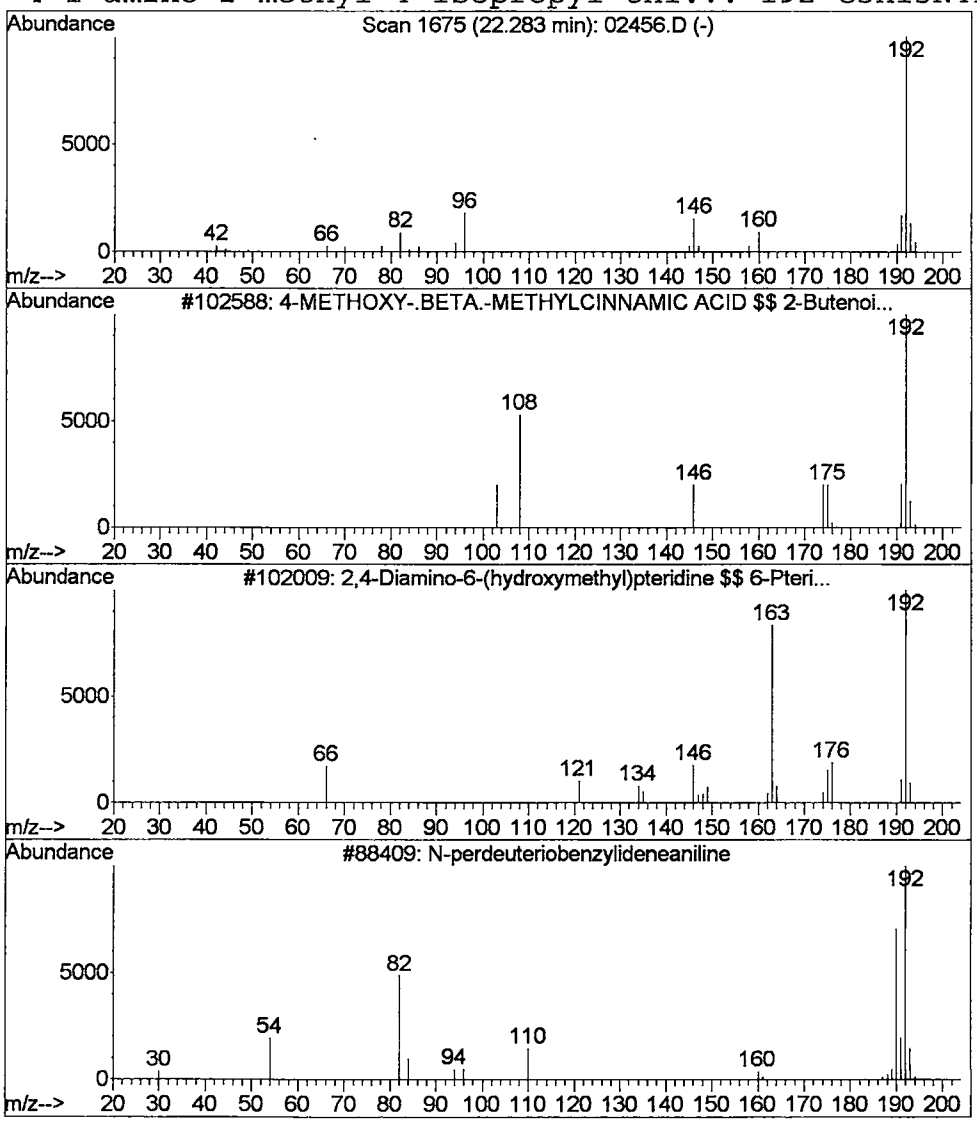
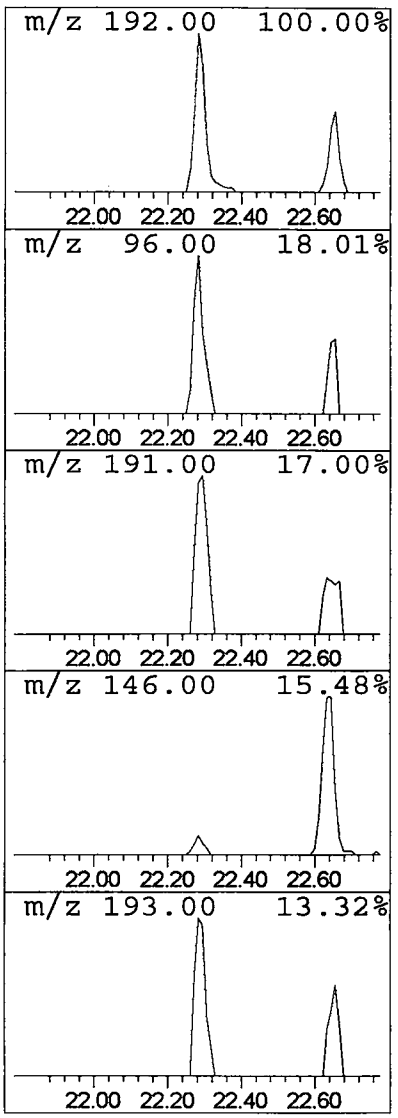
Peak Number 11 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	91093	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
3	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58
4	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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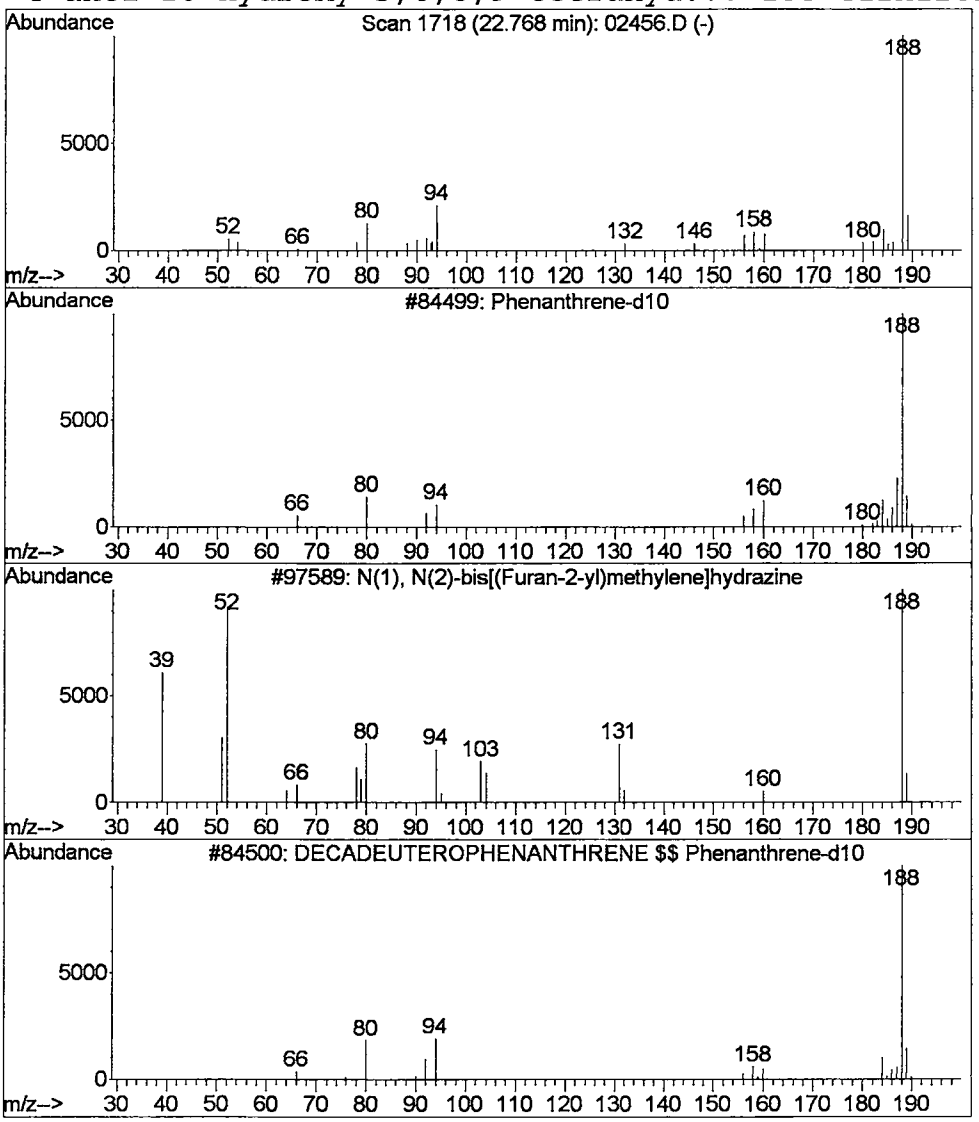
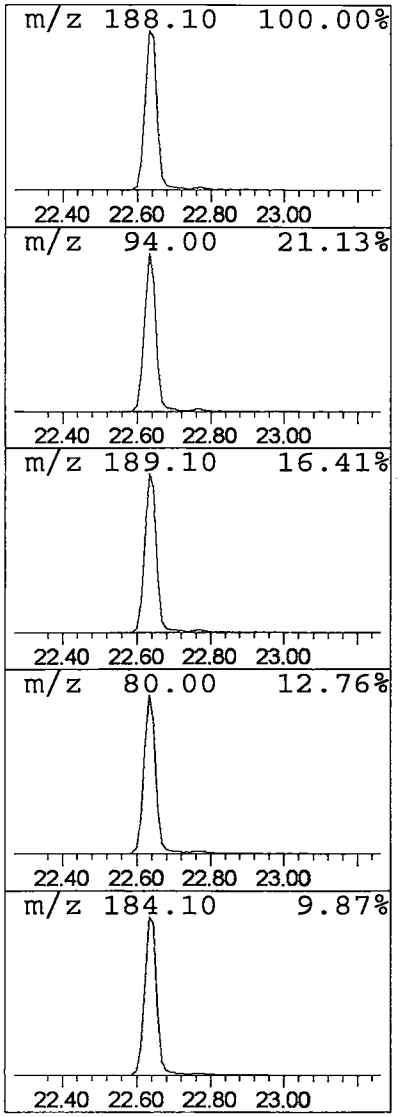
Peak Number 12 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.48 ug/L	342767	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	72
2	N(1), N(2)-bis[(Furan-2-yl)methy...	188	C10H8N2O2	000000-00-0	50
3	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	47
4	anti-10-hydroxy-5,6,8,9-tetrahyd...	188	C12H12O2	055139-53-2	43





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB27\02456.D Vial: 7
Acq On : 27 Feb 2002 8:18 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 27, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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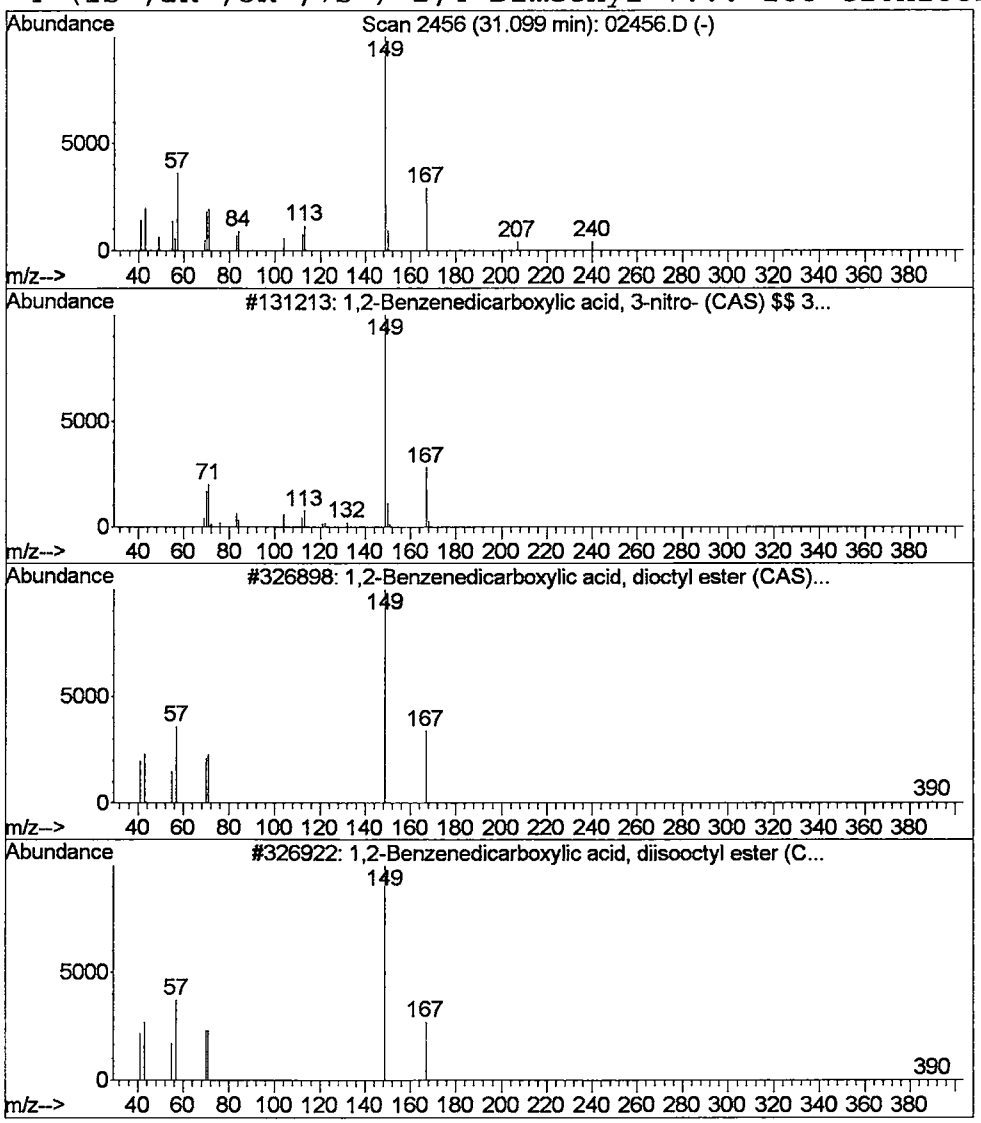
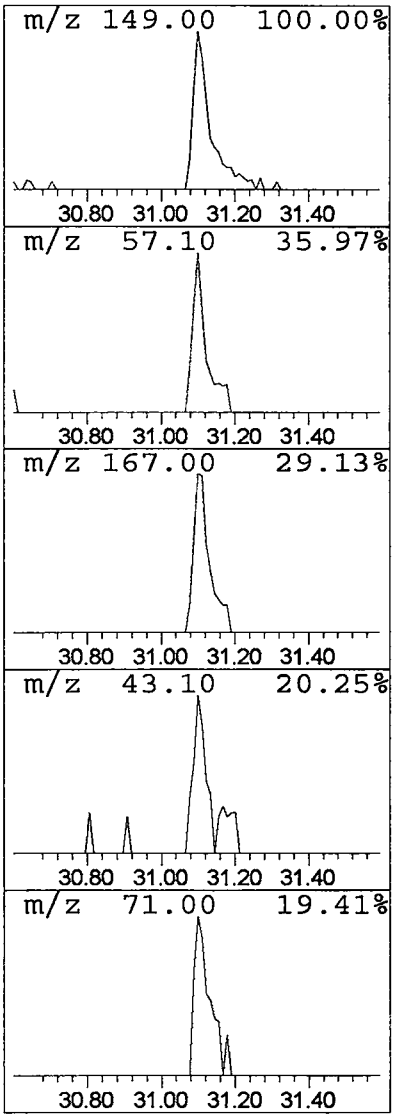
Peak Number 13 1,2-Benzenedicarboxylic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.10	0.15 ug/L	101996	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, 3-...	211	C8H5NO6	000603-11-2	78
2	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	000117-84-0	53
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	53
4	(1S*,2R*,5R*,7S*)-2,4-Dimethyl-7...	168	C10H16O2	091926-28-2	50





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Feb 2002 8:18 pm
Data File: C:\MSDCHEM\1\5973N\02FEB27\02456.D
Name: 508 scan
Misc: February 27, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit Name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Acetonitrile, dic...	3.48	0.1	ug/L	49471	1	9.72	8792100	20.0
Butanoic acid, me...	3.61	0.1	ug/L	49573	1	9.72	8792100	20.0
ISOBUTYRALDEHYDE,...	3.92	0.1	ug/L	28067	1	9.72	8792100	20.0
2,2-Dimethoxybutane	4.23	0.9	ug/L	400957	1	9.72	8792100	20.0
Acetic acid, 3-[1...	5.94	0.3	ug/L	135110	1	9.72	8792100	20.0
2-Propanone, 1,1,...	6.00	0.3	ug/L	114783	1	9.72	8792100	20.0
Thiazolidine (CAS...	6.08	0.1	ug/L	59102	1	9.72	8792100	20.0
1-Hexanol, 2-ethy...	10.12	0.1	ug/L	31023	1	9.72	8792100	20.0
6a-Methyl-hexahyd...	18.42	0.1	ug/L	54831	3	18.34	13671800	20.0
1,2-Benzenedicarb...	20.00	0.1	ug/L	52287	3	18.34	13671800	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	91093	4	22.63	14427600	20.0
Phenanthrene-d10	22.77	0.5	ug/L	342767	4	22.63	14427600	20.0
1,2-Benzenedicarb...	31.10	0.2	ug/L	101996	5	30.49	13448000	20.0