User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/25/2002 Time: 15:28:32

Sample: AD31674
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/25/02 15:28 Ended: 1/25/02 15:28 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		99		5.0

Comments for Sample AD31674 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-25-2002 Time: 15:36:08

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 9 of the 43 compounds in the LCS Standard were above their acceptance ranges. The pH of this sample when received was less than 2.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 22 16:54:54 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

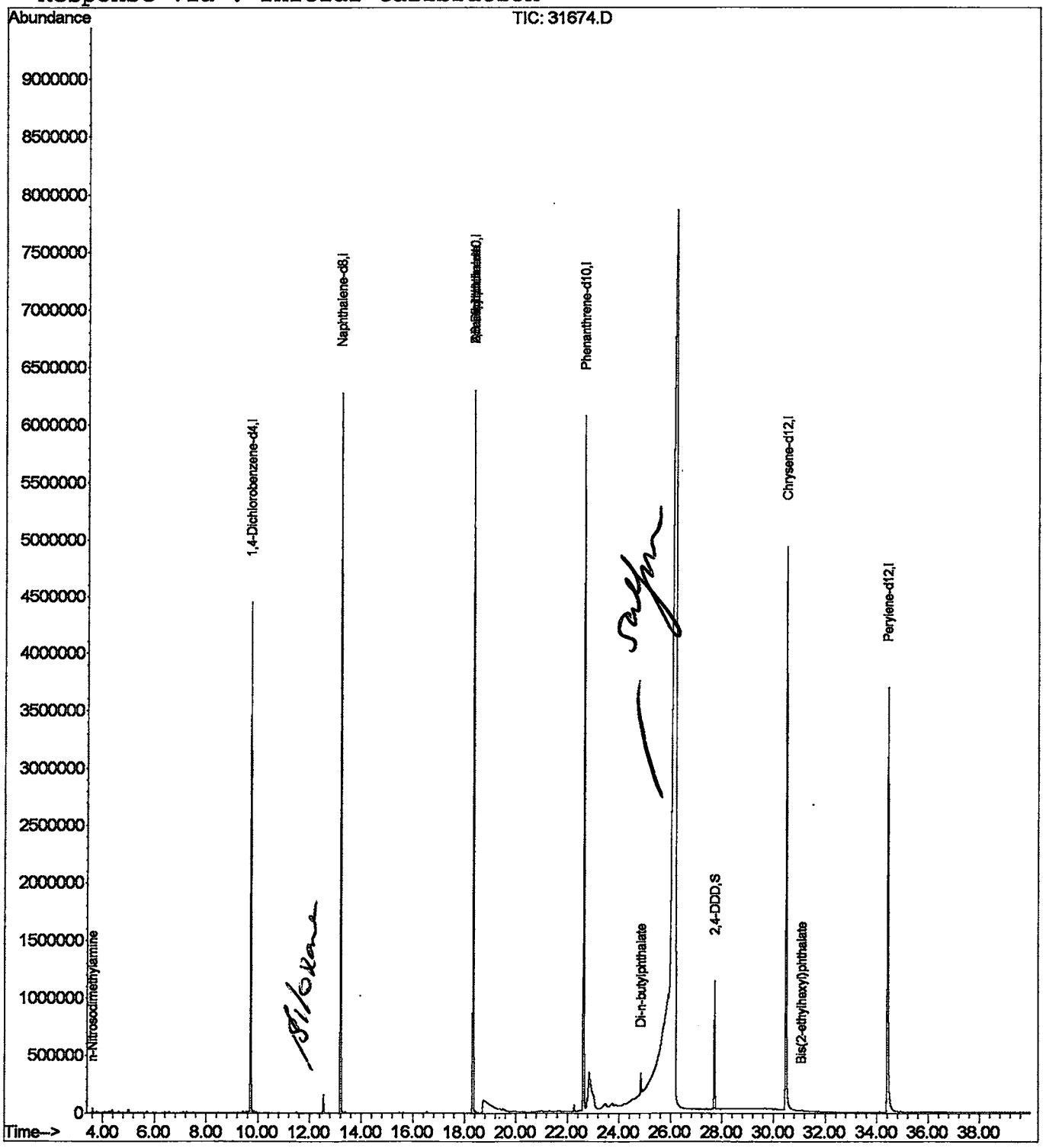
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1457060	20.00	ug/L	-0.01
10) Naphthalene-d8	13.19	136	6171125	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3165496	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	5111830	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	4277893	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	2986899	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	399196	4.94	ug/L	0.00
Spiked Amount 5.000			Recovery = 98.80%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	16164	0.26	ug/L #	16
20) Dimethylphthalate	18.34	163	506305	2.42	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	403780	9.90	ug/L #	17
35) Di-n-butylphthalate	24.86	149	220169	0.67	ug/L	100
42) Bis(2-ethylhexyl)phthalate	31.11	149	10209	0.60	ug/L	99

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 22 16:54 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.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

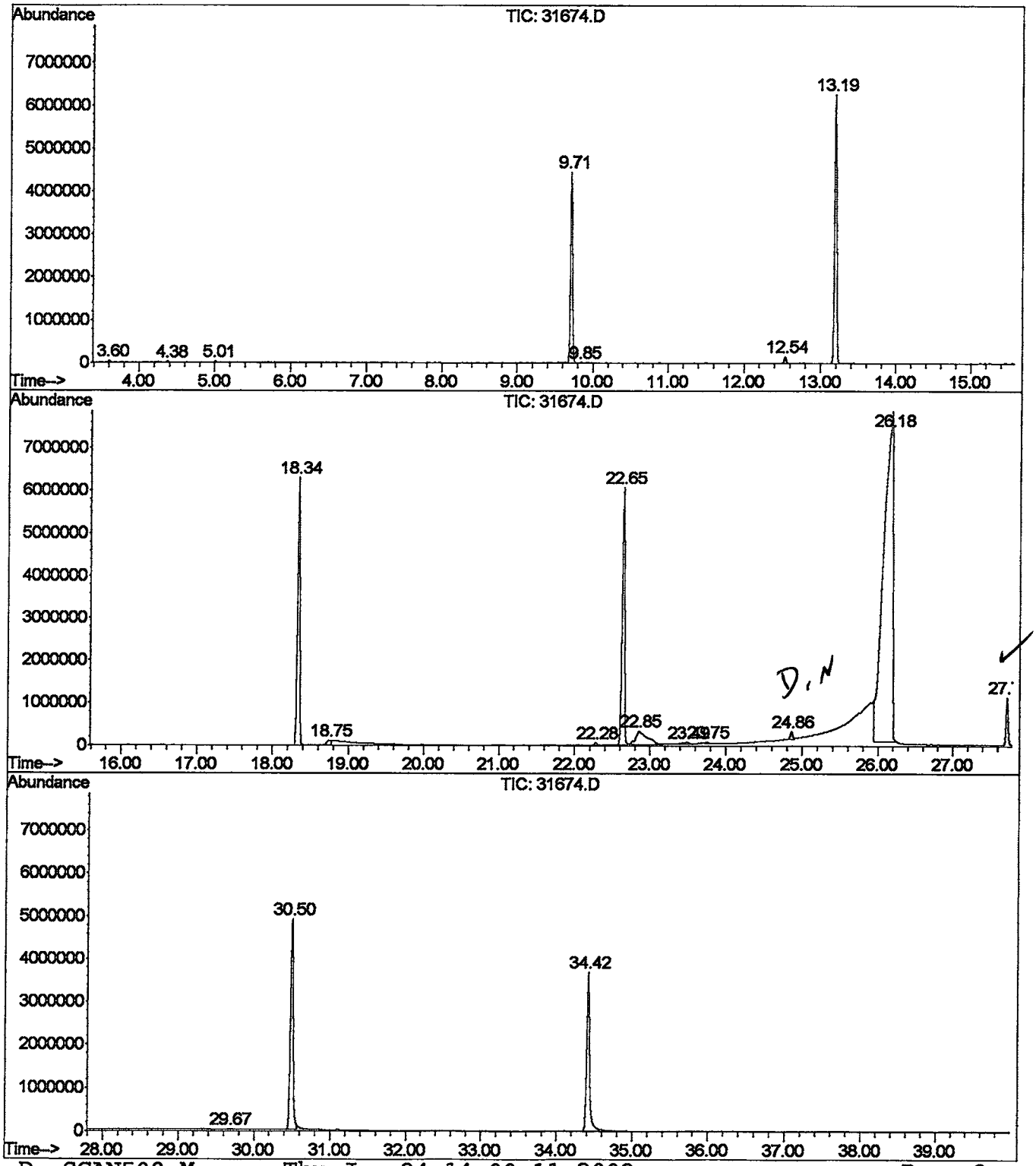
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	17	20	25	rVB2	42537	66504	0.10%	0.046%
2	4.378	83	88	91	rVV2	22056	45230	0.07%	0.031%
3	5.006	141	143	147	rBV	33049	55083	0.08%	0.038%
4	9.710	551	555	561	rVV	4450423	8393416	12.23%	5.766%
5	9.847	561	567	573	rVV2	15905	51273	0.07%	0.035%
6	12.541	799	803	807	rVB	159367	254541	0.37%	0.175%
7	13.192	855	860	865	rBV	6277454	11979845	17.45%	8.230%
8	18.341	1305	1311	1315	rBV	6302433	12898128	18.79%	8.861%
9	18.752	1339	1347	1349	rBV3	112345	447645	0.65%	0.308%
10	22.280	1651	1656	1661	rBV2	61608	112180	0.16%	0.077%
11	22.645	1681	1688	1693	rBV2	6057007	13635283	19.86%	9.367%
12	22.851	1695	1706	1739	rVB2	321376	3352480	4.88%	2.303%
13	23.490	1747	1762	1769	rBV4	40431	326519	0.48%	0.224%
14	23.753	1775	1785	1791	rBV4	27808	145405	0.21%	0.100%
15	24.860	1877	1882	1885	rBV	188119	405149	0.59%	0.278%
16	26.185	1977	1998	2003	rVB	7753725	68651782	100.00%	47.164%
17	27.726	2129	2133	2139	rBV	1115451	2022123	2.95%	1.389%
18	29.667	2299	2303	2325	rVB4	10950	64358	0.09%	0.044%
19	30.500	2369	2376	2381	rBV	4914048	12479145	18.18%	8.573%
20	34.416	2713	2719	2751	rBV	3692007	10174385	14.82%	6.990%

Sum of corrected areas: 145560474

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN22\31674.D
Operator :
Acquired : 22 Jan 2002 3:30 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 22, 2002
Vial Number: 2
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

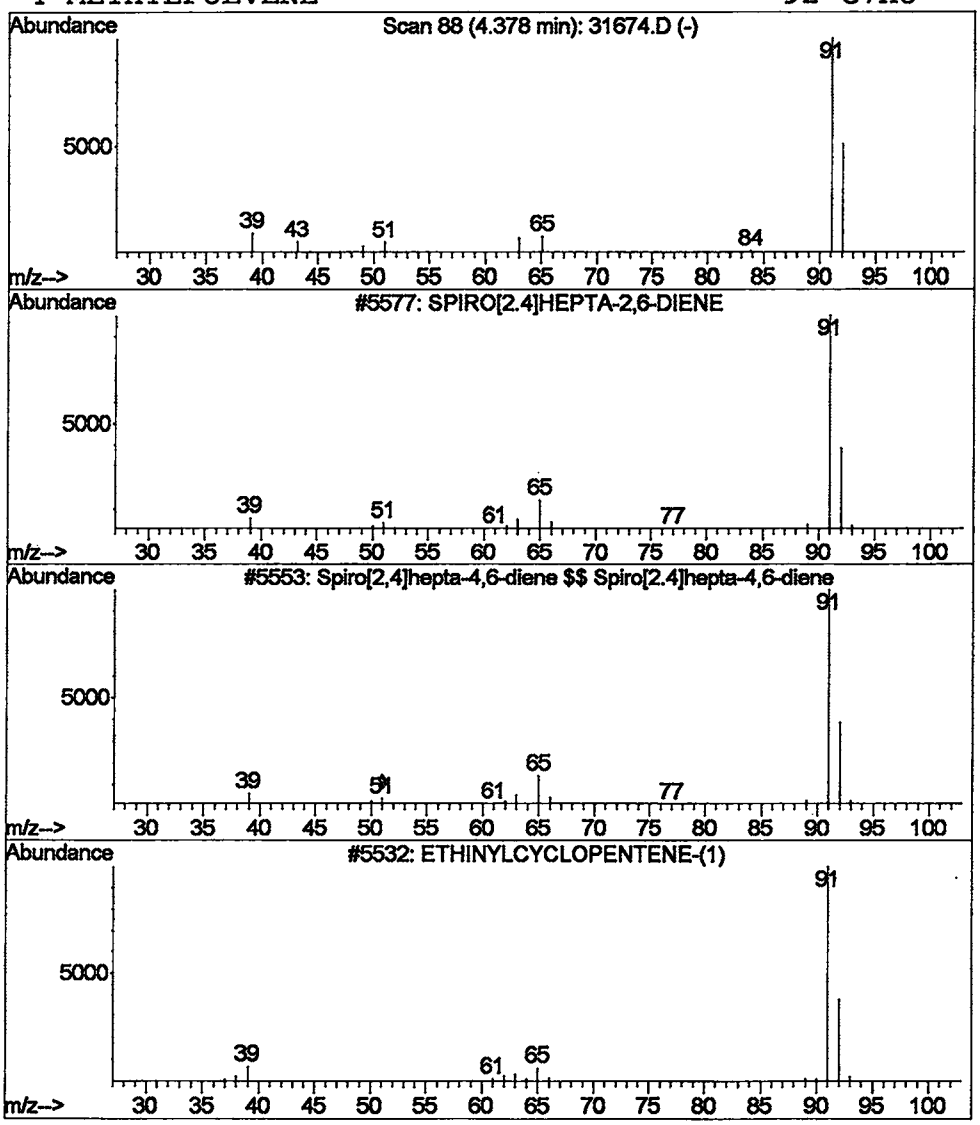
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

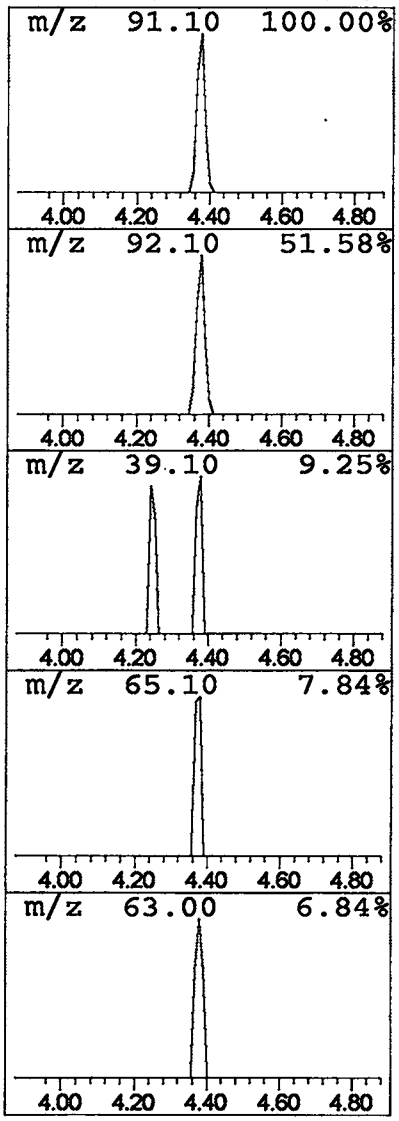
****

Peak Number 1 SPIRO[2.4]HEPTA-2,6-DIENE Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	0.11 ug/L	45230	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	SPIRO[2.4]HEPTA-2,6-DIENE	92	C7H8	000000-00-0	78
2	Spiro[2,4]hepta-4,6-diene $$ Spi...	92	C7H8	000765-46-8	78
3	ETHINYLCYCLOPENTENE-(1)	92	C7H8	000000-00-0	64
4	METHYLFULVENE	92	C7H8	000000-00-0	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

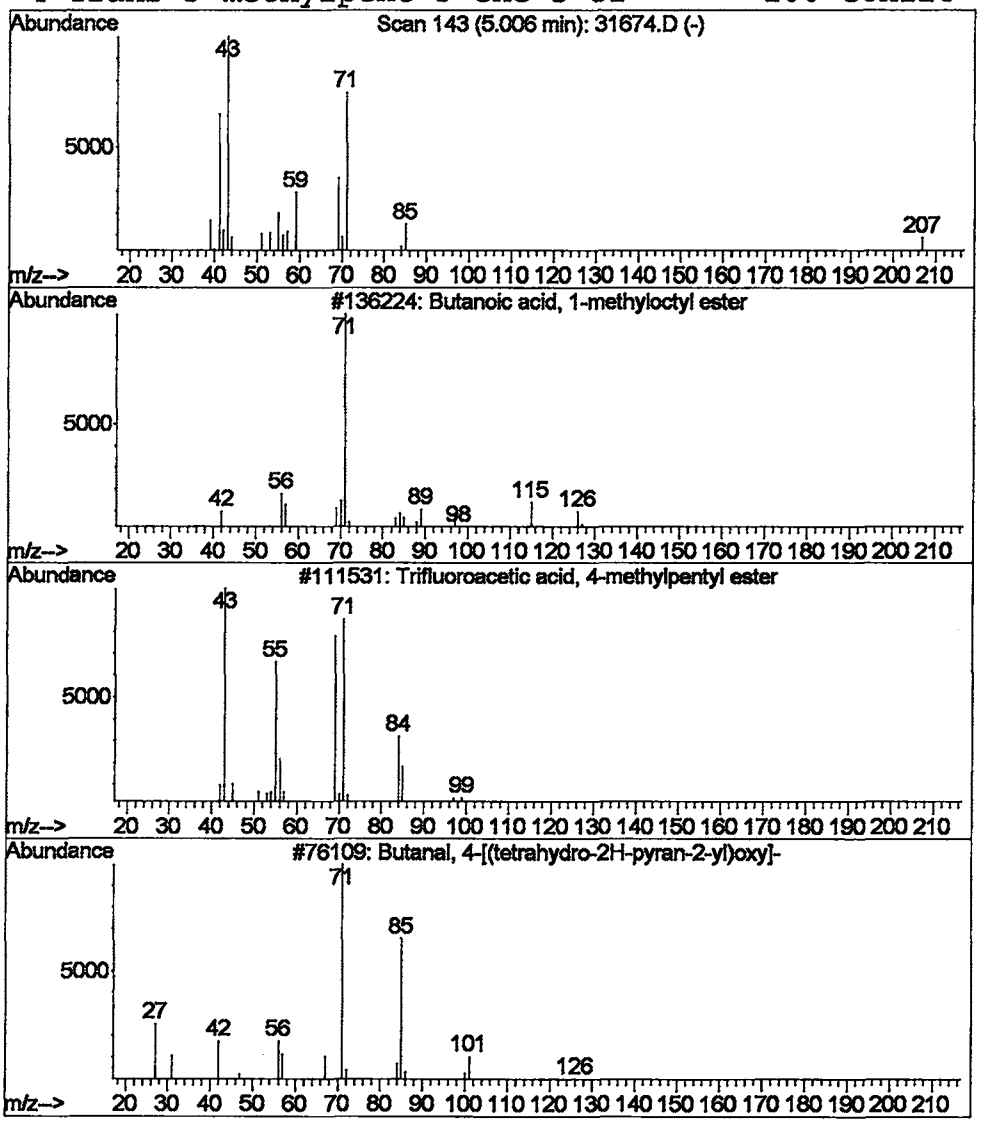
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

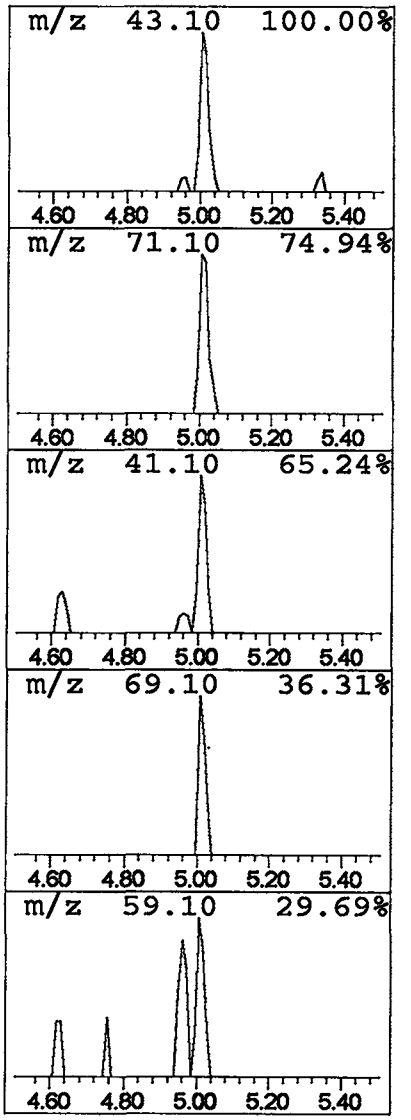
****

Peak Number 2 Butanoic acid, 1-methylocty... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.13 ug/L	55083	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methyloctyl ester	214	C13H26O2	069727-42-0	50
2	Trifluoroacetic acid, 4-methylpe...	198	C8H13F3O2	000000-00-0	42
3	Butanal, 4-[(tetrahydro-2H-pyran...	172	C9H16O3	054911-85-2	40
4	Trans-3-methylpent-3-ene-5-ol	100	C6H12O	030801-95-7	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

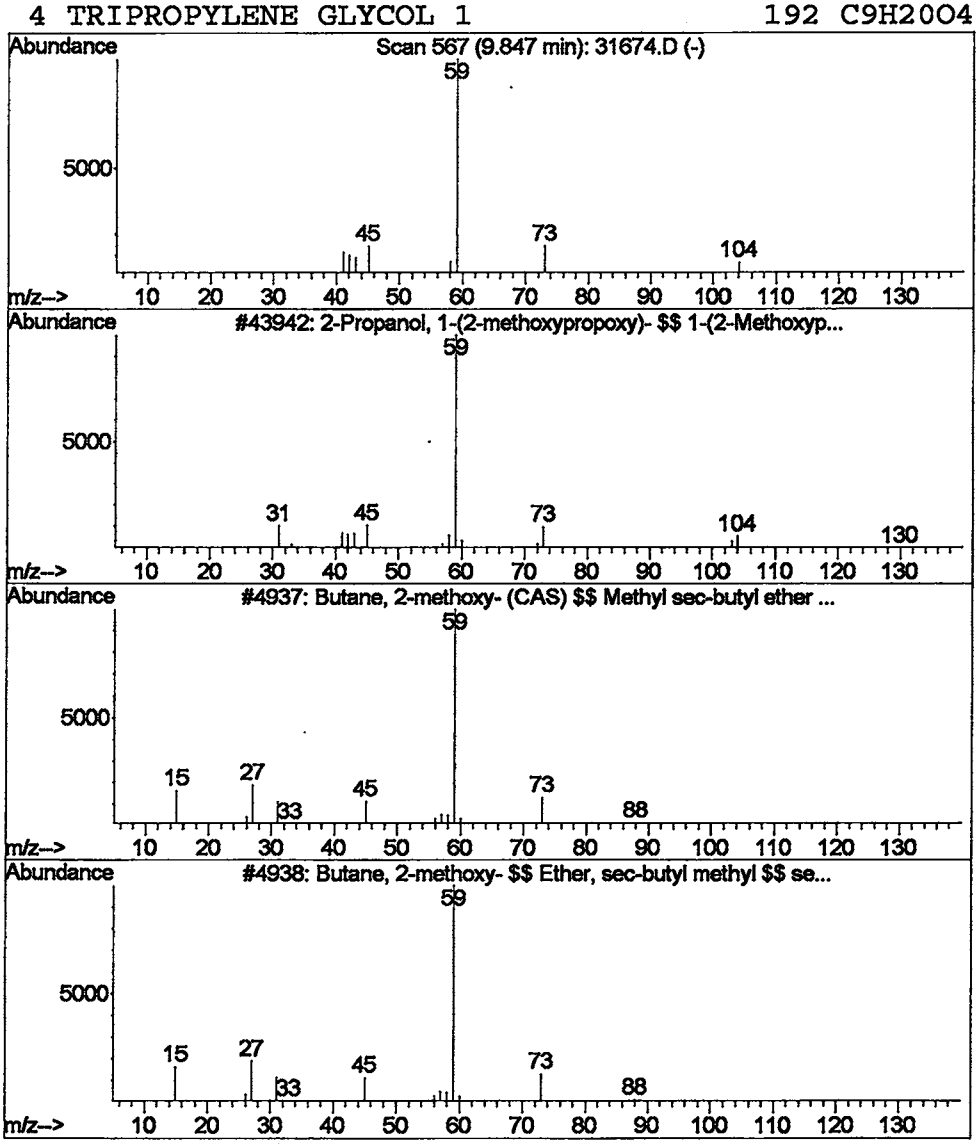
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

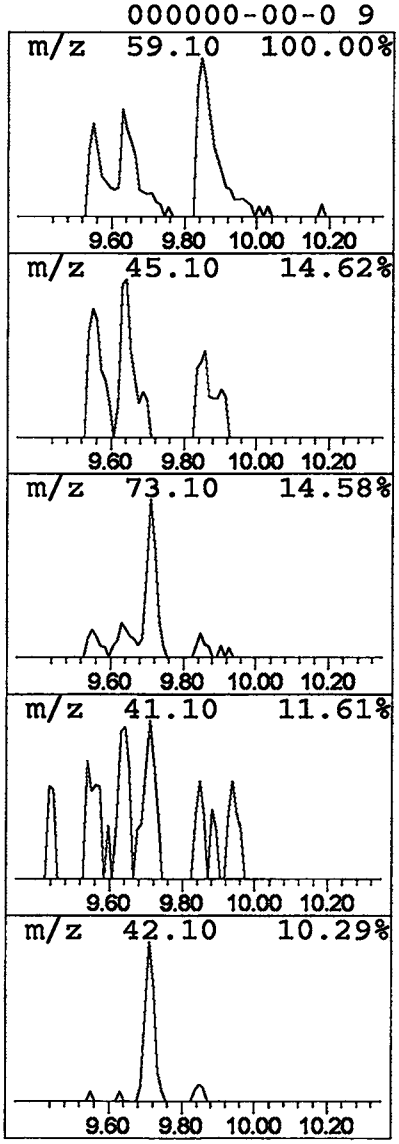
****

Peak Number 3 2-Propanol, 1-(2-methoxypro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.12 ug/L	51273	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	74
2	Butane, 2-methoxy- (CAS) $$ Meth...	88	C5H12O	006795-87-5	9
3	Butane, 2-methoxy- $$ Ether, sec...	88	C5H12O	006795-87-5	9
4	TRIPROPYLENE GLYCOL 1	192	C9H20O4	000000-00-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

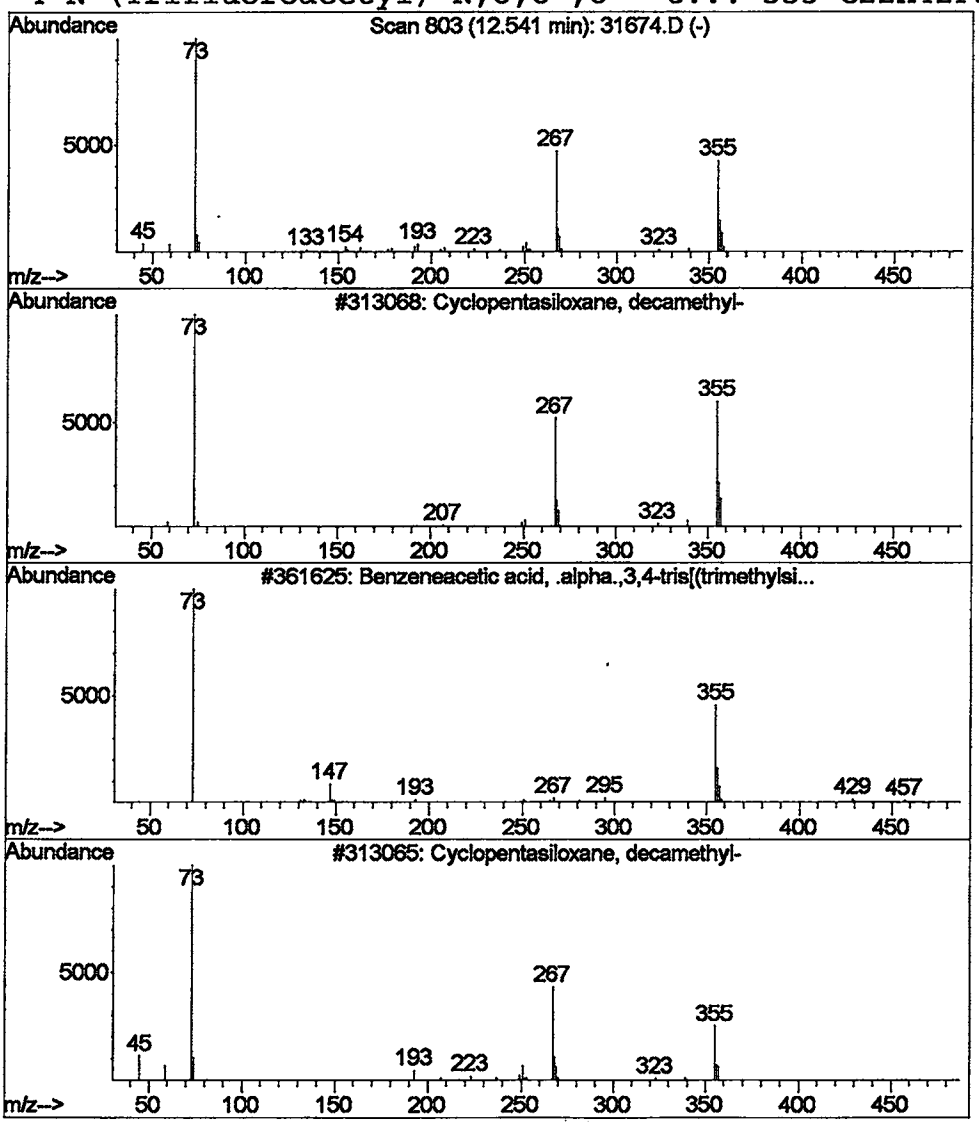
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

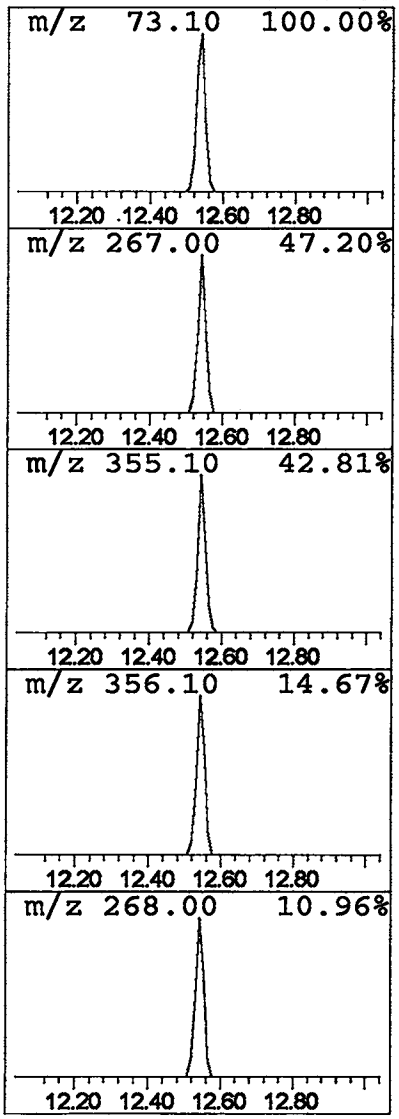
****

Peak Number 4 Cyclopentasiloxane, decamet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.42 ug/L	254541	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	80
2	Benzeneacetic acid, .alpha.,3,4-...	472	C20H40O5Si4	037148-65-5	47
3	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	38
4	N-(Trifluoroacetyl)-N,O,O',O''-t...	553	C22H42F3NO4Si4	000000-00-0	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

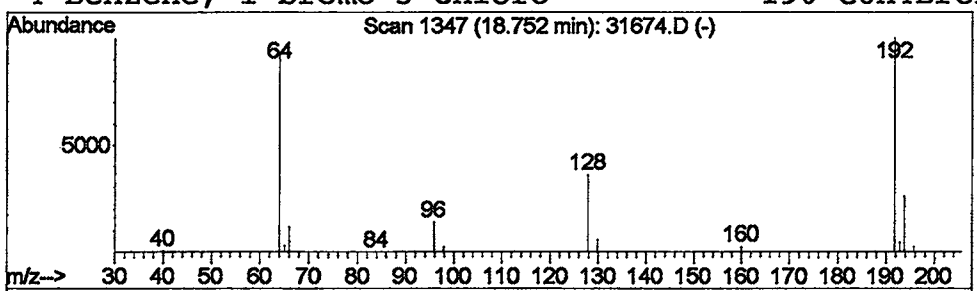
****

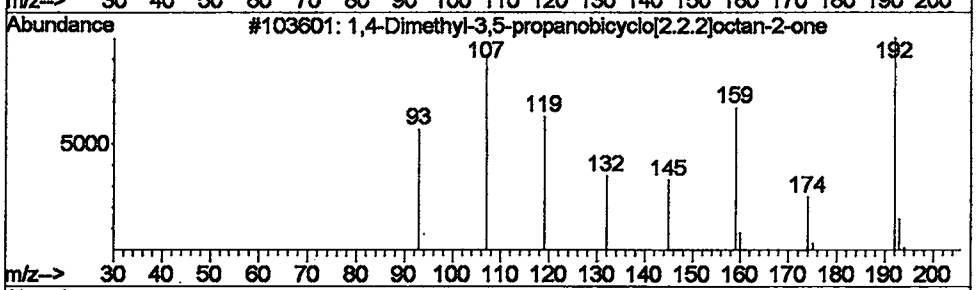
Peak Number 5 1,4-Dimethyl-3,5-propanobic... Concentration Rank 3

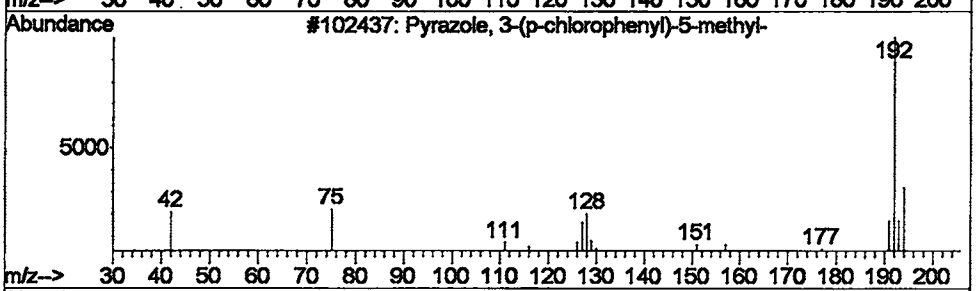
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	0.69 ug/L	447645	Acenaphthene-d10	18.34

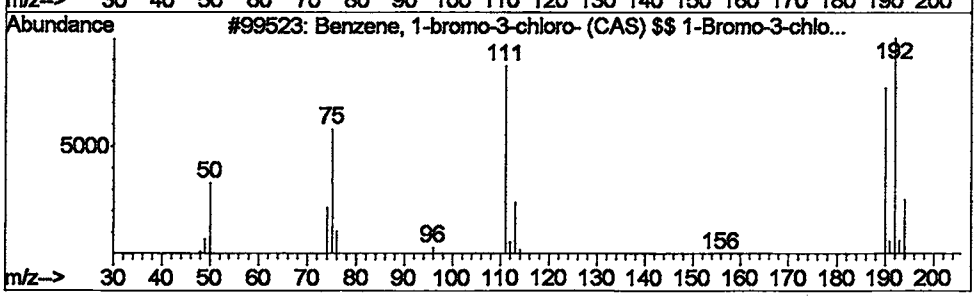
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyl-3,5-propanobicyclo[...	192	C13H20O	000000-00-0	37
2	Pyrazole, 3-(p-chlorophenyl)-5-m...	192	C10H9ClN2	017629-27-5	9
3	Benzene, 1-bromo-3-chloro- (CAS)...	190	C6H4BrCl	000108-37-2	9
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	9

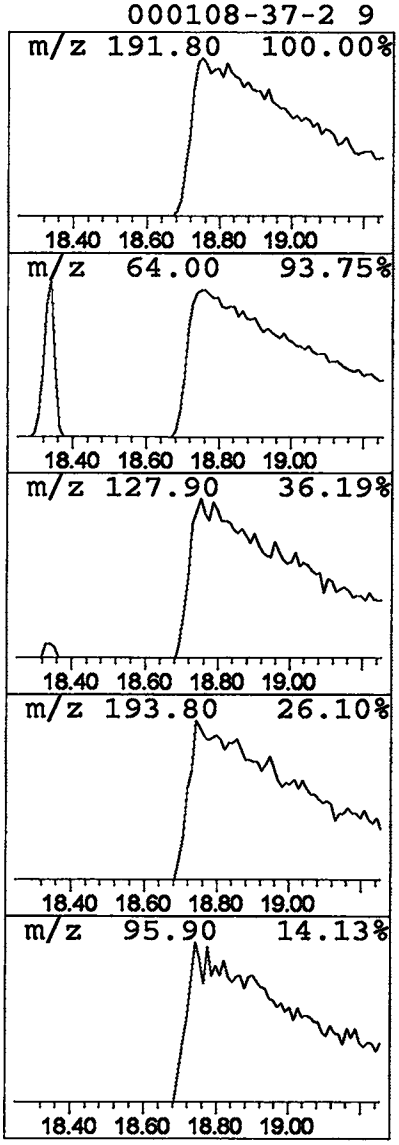
NO Good match











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

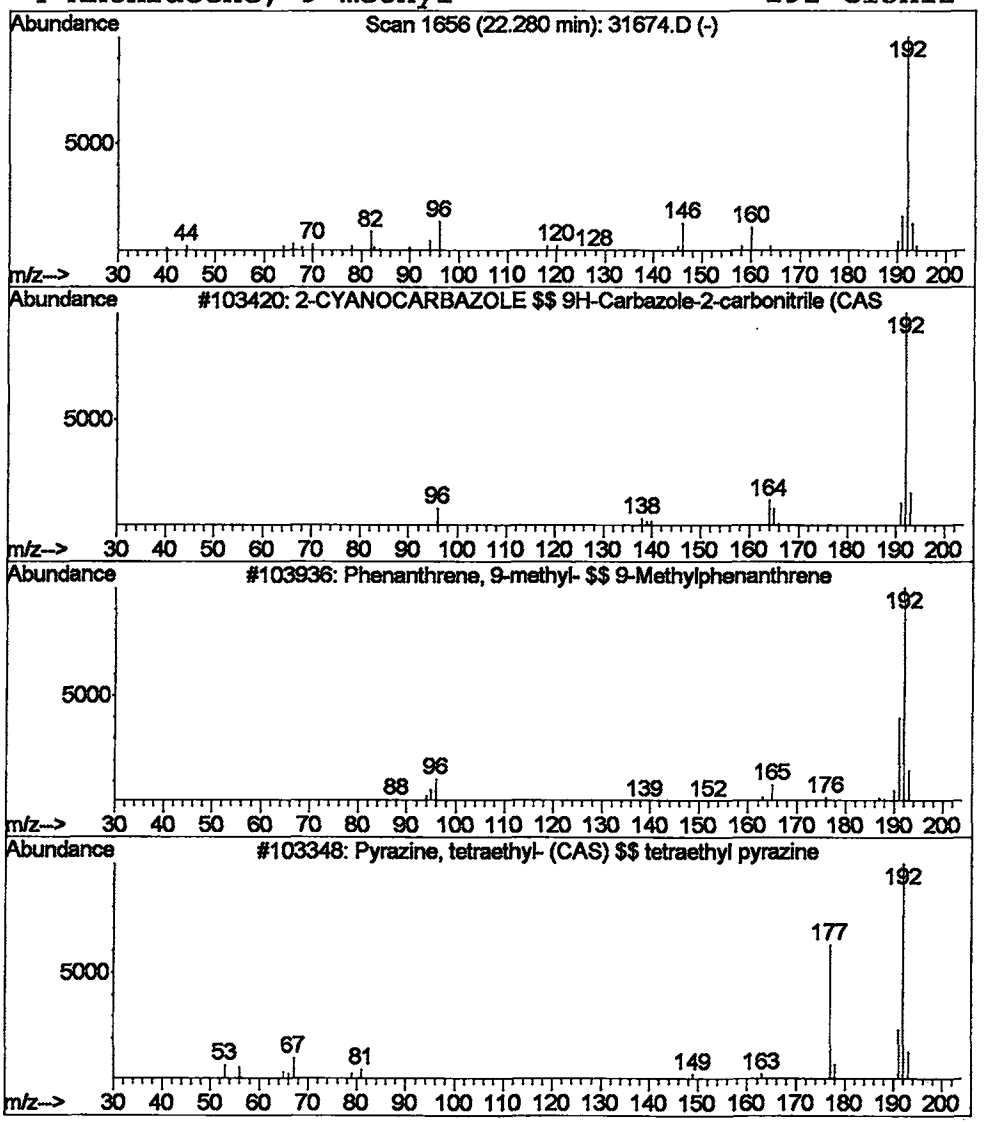
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

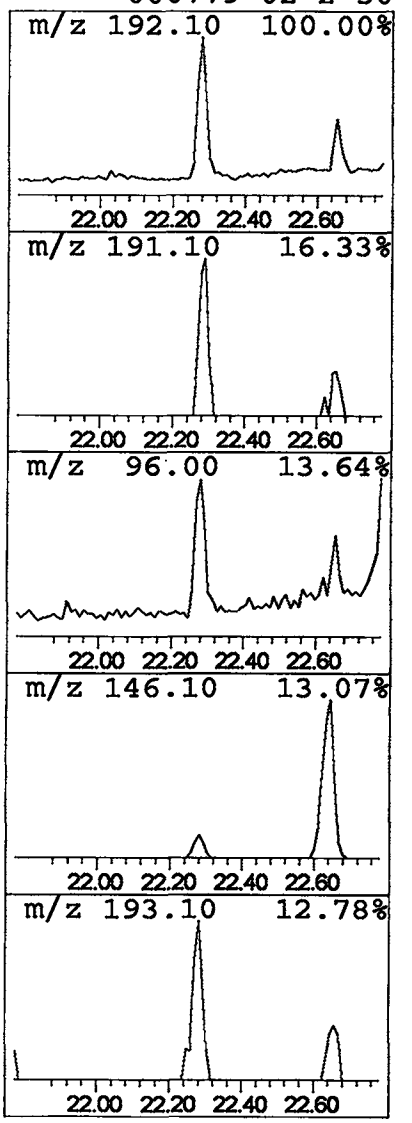
****

Peak Number 6 2-CYANOCARBAZOLE $$ 9H-Carb... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.16 ug/L	112180	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	72
2	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
3	Pyrazine, tetraethyl- (CAS) $$ t...	192	C12H20N2	038325-19-8	53
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

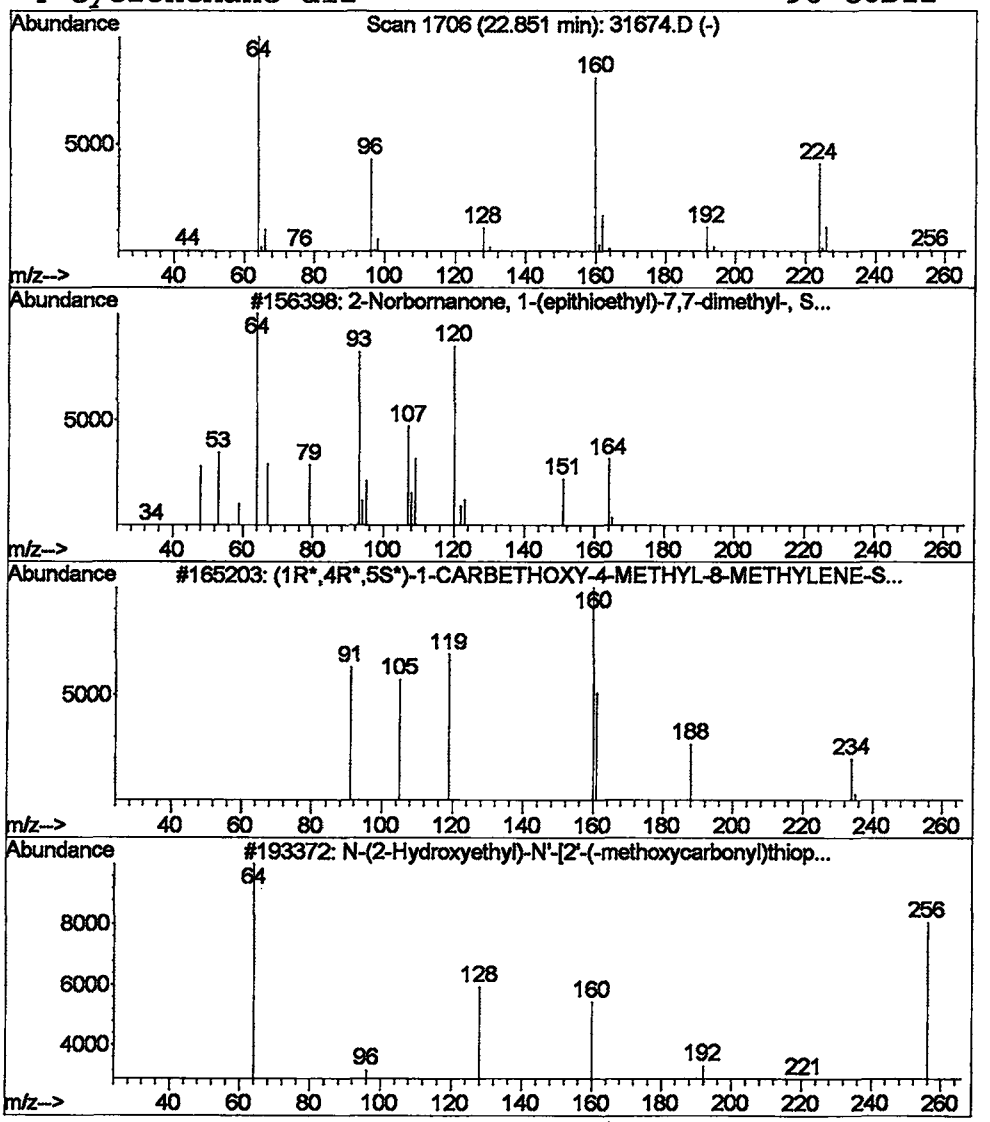
****

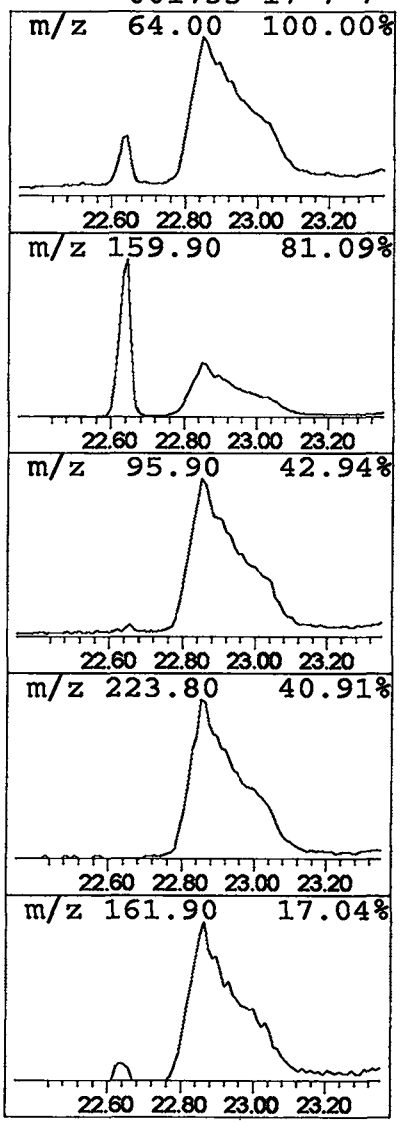
Peak Number 7 2-Norbornanone, 1-(epithioe... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	4.92 ug/L	3352480	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	28
2	(1R*,4R*,5S*)-1-CARBETHOXY-4-MET...	234	C15H22O2	043219-76-7	9
3	N-(2-Hydroxyethyl)-N'-[2'-(-meth...	255	C10H13N3O3S	000000-00-0	9
4	Cyclohexane-d12	96	C6D12	001735-17-7	7

NO Good match





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

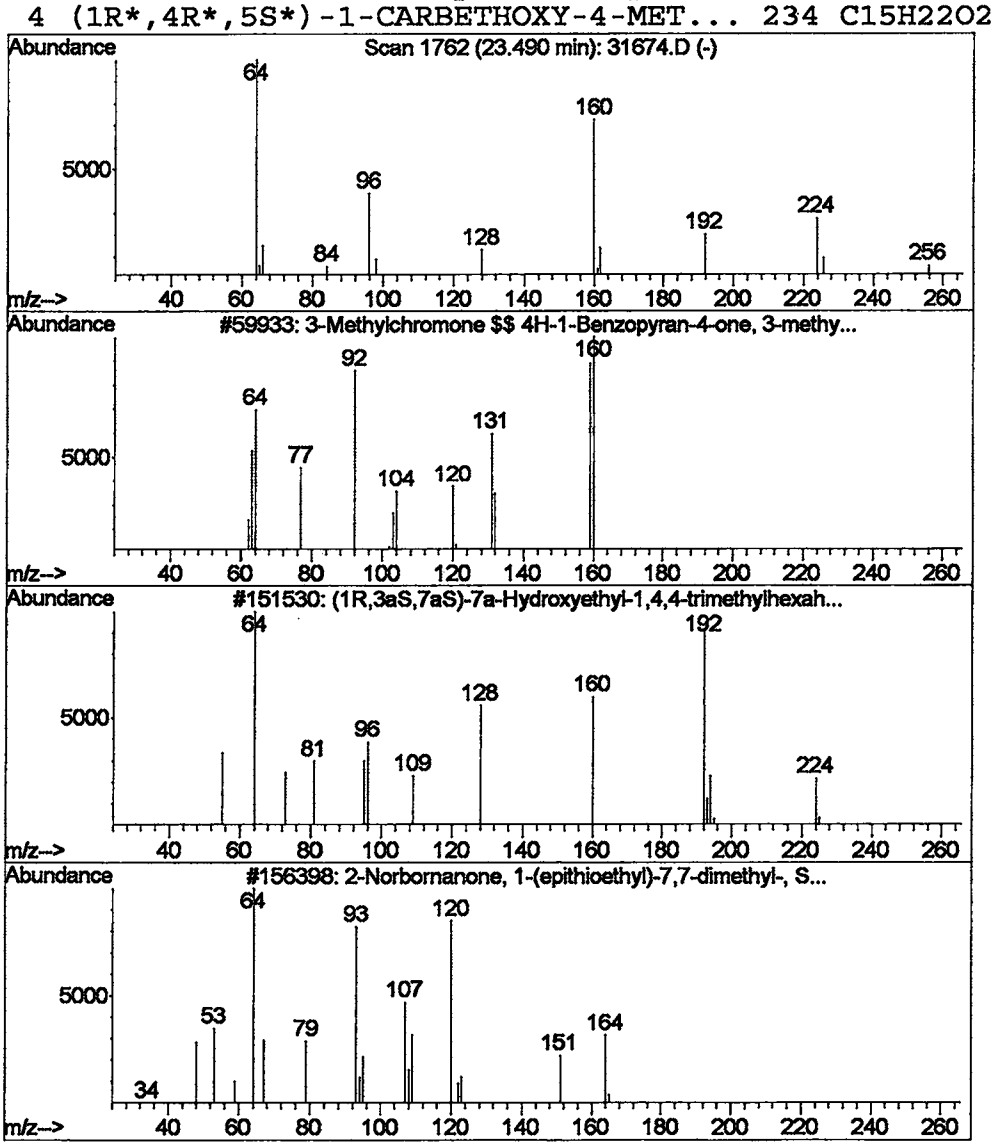
****

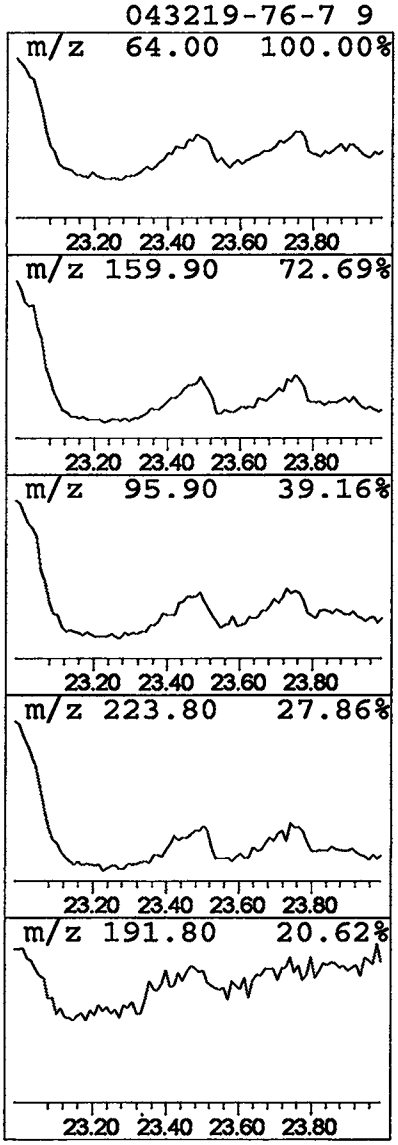
Peak Number 8 3-Methylchromone $$ 4H-1-Be... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.49	0.48 ug/L	326519	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylchromone $$ 4H-1-Benzopy...	160	C10H8O2	000085-90-5	53
2	(1R,3aS,7aS)-7a-Hydroxyethyl-1,4...	224	C14H24O2	128790-34-1	40
3	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	33
4	(1R*,4R*,5S*)-1-CARBETHOXY-4-MET...	234	C15H22O2	043219-76-7	9

NO Good match





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

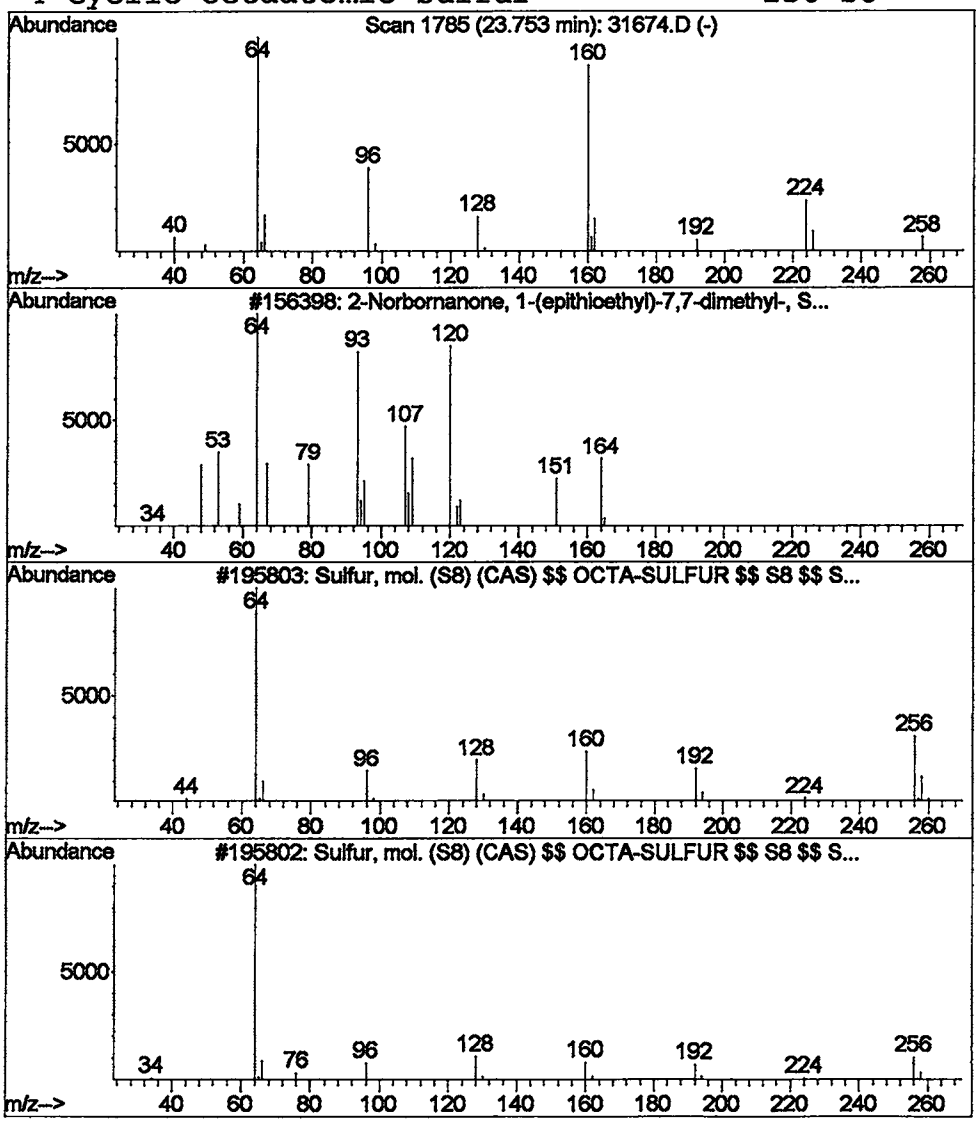
****

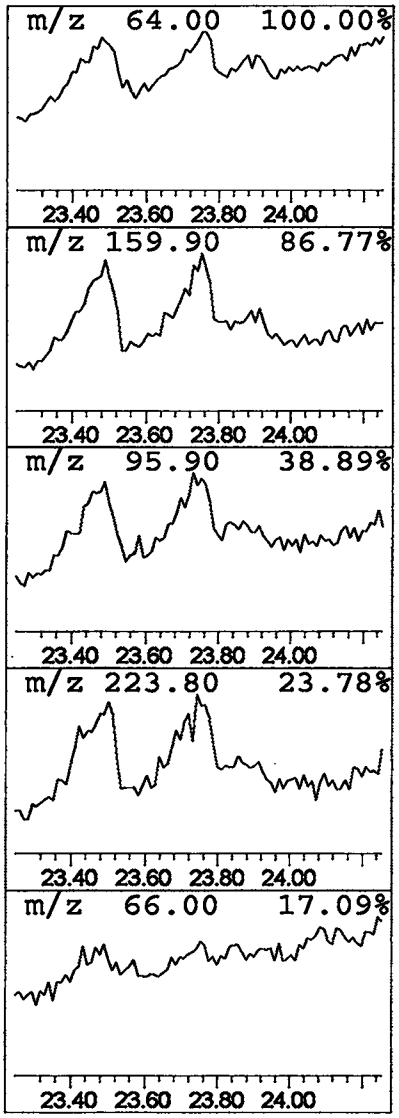
Peak Number 9 2-Norbornanone, 1-(epithioe... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.75	0.21 ug/L	145405	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	28
2	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	9
3	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	9
4	Cyclic octaatomic sulfur	256	S8	010544-50-0	9

NO Good match





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

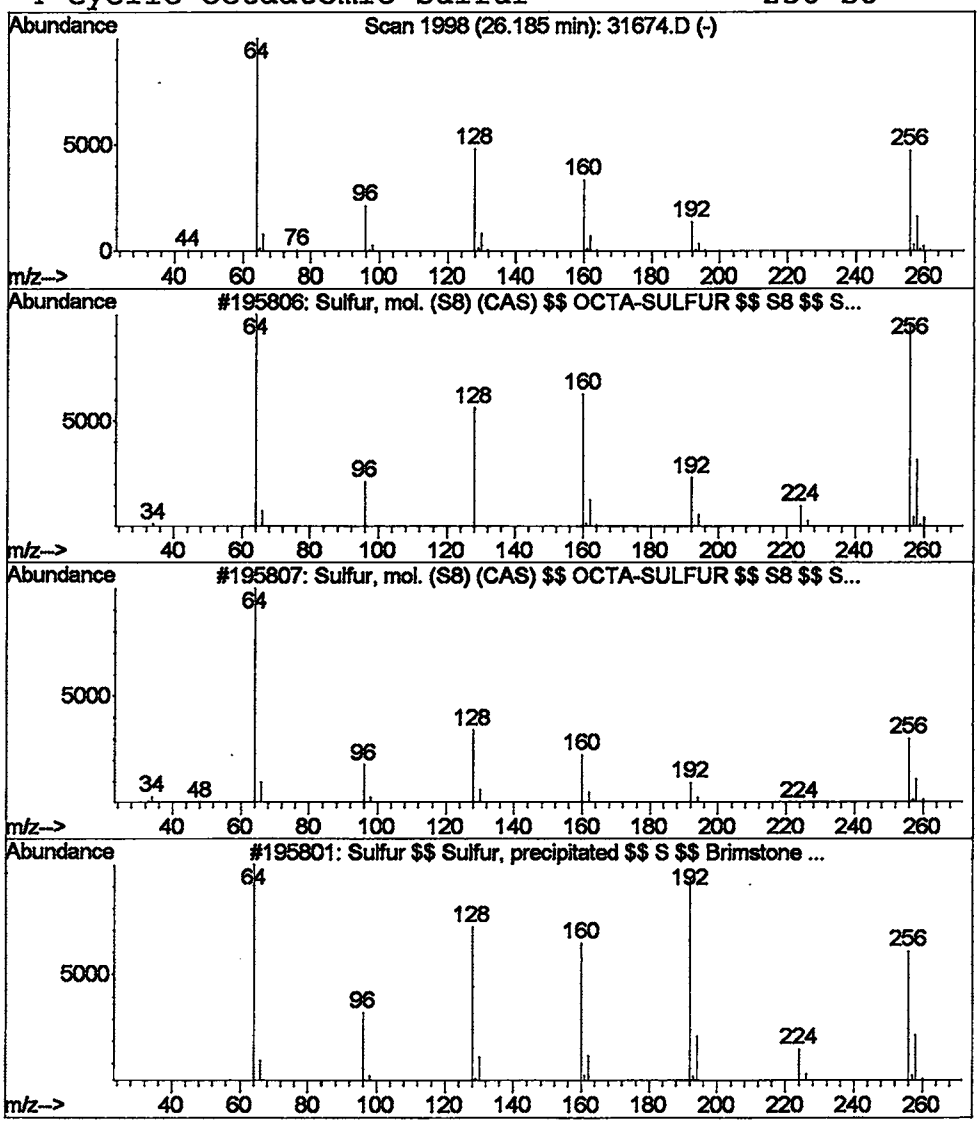
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

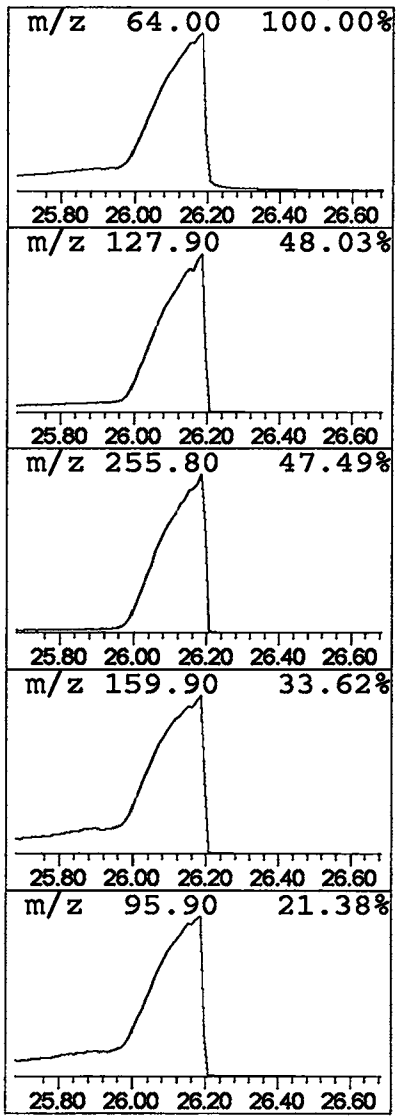
****

Peak Number 10 Sulfur, mol. (S8) (CAS) $$ ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.18	100.70 ug/L	68651800	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	96
2	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	94
3	Sulfur $$ Sulfur, precipitated $...	256	S8	007704-34-9	87
4	Cyclic octaatomic sulfur	256	S8	010544-50-0	87





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31674.D Vial: 2
Acq On : 22 Jan 2002 3:30 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

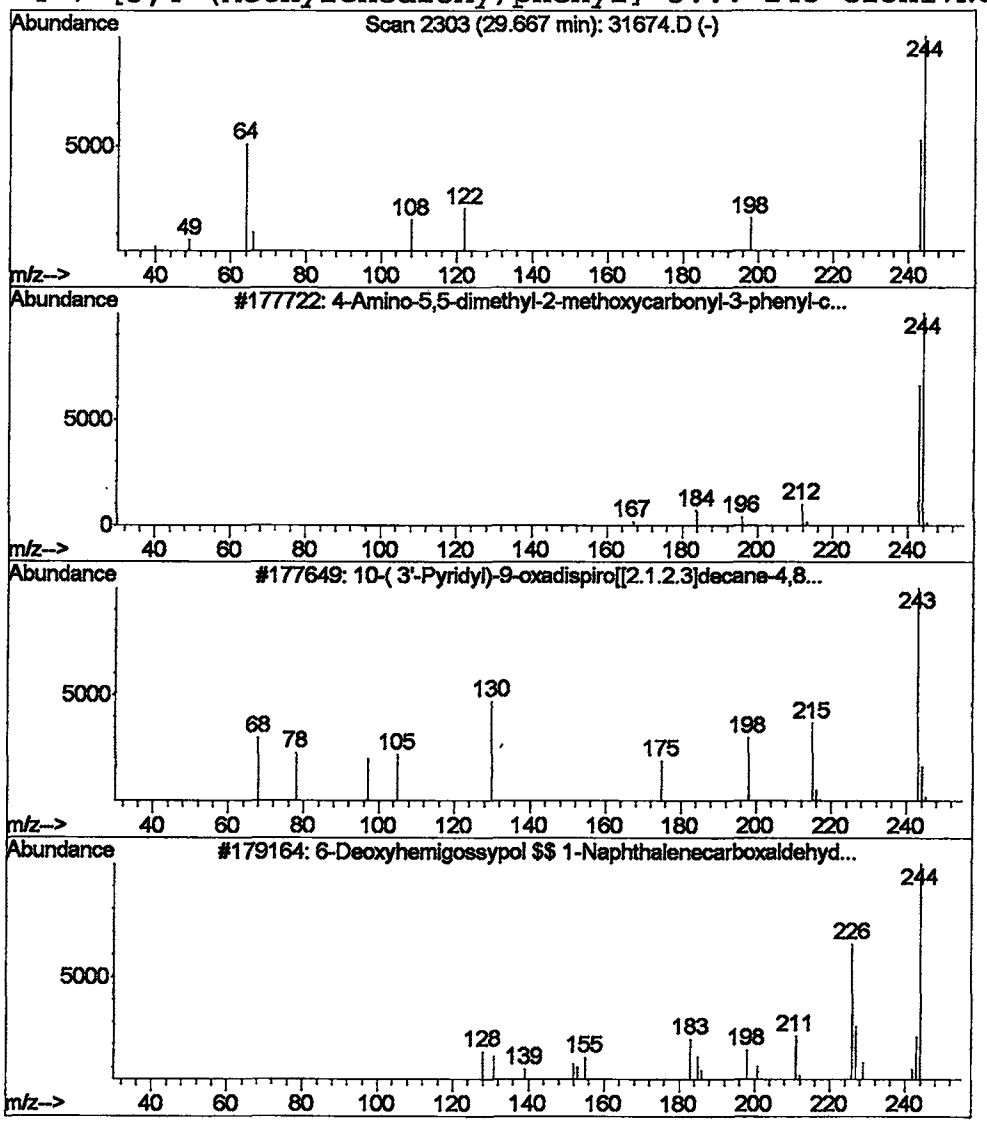
****

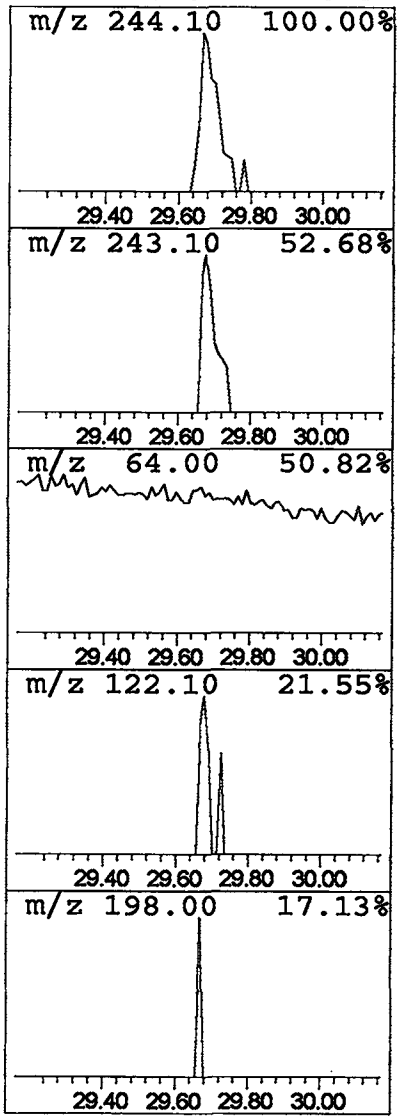
Peak Number 11 4-Amino-5,5-dimethyl-2-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.67	0.10 ug/L	64358	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-5,5-dimethyl-2-methoxyca...	243	C15H17NO2	118089-29-5	5
2	10-(3'-Pyridyl)-9-oxadispiro[[2...	243	C14H13NO3	000000-00-0	5
3	6-Deoxyhemigossypol $$ 1-Naphtha...	244	C15H16O3	055824-28-7	5
4	7-[3,4-(Methylenedioxy)phenyl]-3...	243	C15H17NO2	000000-00-0	5

NO GOOD MATCH





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 22 Jan 2002 3:30 pm
Data File: C:\MSDCHEM\1\5973N\02JAN22\31674.D
Name: 508 scan
Misc: January 22, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.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
SPIRO[2.4]HEPTA-2...	4.38	0.1	ug/L	45230	1	9.71	8393420	20.0
Butanoic acid, 1-...	5.01	0.1	ug/L	55083	1	9.71	8393420	20.0
2-Propanol, 1-(2-...	9.85	0.1	ug/L	51273	1	9.71	8393420	20.0
Cyclopentasiloxan...	12.54	0.4	ug/L	254541	2	13.19	11979800	20.0
1,4-Dimethyl-3,5-...	18.75	0.7	ug/L	447645	3	18.34	12898100	20.0
2-CYANOCARBAZOLE ...	22.28	0.2	ug/L	112180	4	22.65	13635300	20.0
2-Norbornanone, 1...	22.85	4.9	ug/L	3352480	4	22.65	13635300	20.0
3-Methylchromone ...	23.49	0.5	ug/L	326519	4	22.65	13635300	20.0
2-Norbornanone, 1...	23.75	0.2	ug/L	145405	4	22.65	13635300	20.0
Sulfur, mol. (S8)...	26.18	100.7	ug/L	68651800	4	22.65	13635300	20.0
4-Amino-5,5-dimet...	29.67	0.1	ug/L	64358	5	30.50	12479100	20.0