User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/25/2002 Time: 15:39:07

Sample: AD31676
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/25/02 15:38 Ended: 1/25/02 15:38 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		101		5.0

Comments for Sample AD31676 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-25-2002 Time: 15:39:36

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.

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 24 09:46:44 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	1145052	20.00	ug/L	-0.01
10) Naphthalene-d8	13.19	136	4804374	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2506845	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4228254	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	3728391	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	2727593	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	337138	5.04	ug/L	0.00
Spiked Amount 5.000			Recovery = 100.80%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	404481	2.44	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	320043	9.91	ug/L #	17
35) Di-n-butylphthalate	24.86	149	185629	0.68	ug/L	100

(#) = qualifier out of range (m) = manual integration
31676.D SCAN508.M Thu Jan 24 09:46:45 2002 Page 1

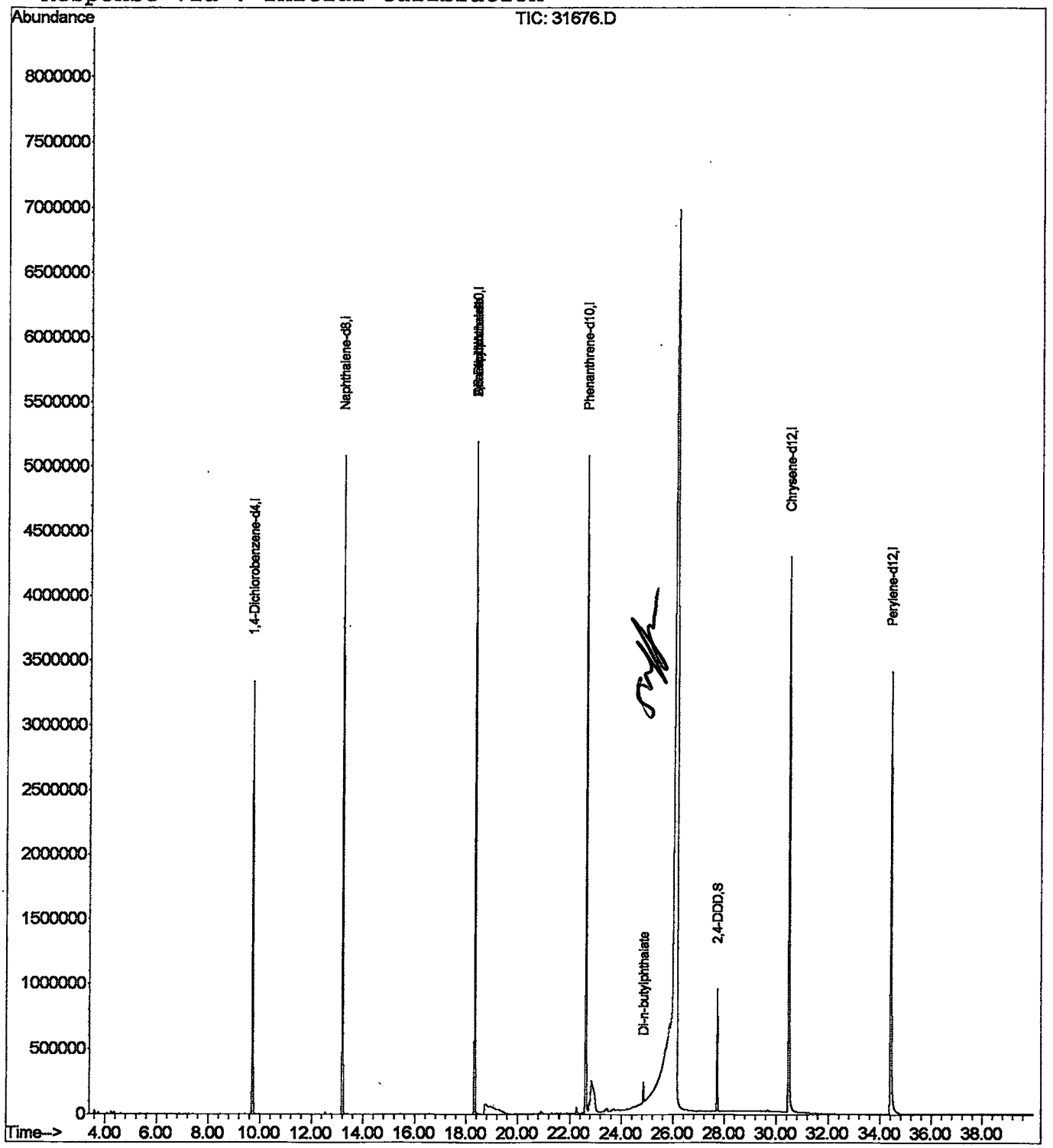
NYC-WTC_000050319

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 24 9:46 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



NYC-WTC_000050320

NYC 9/11 Public Portal Document

LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 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	rVB	27595	46464	0.09%	0.041%
2	4.241	71	76	83	rBV2	21958	52492	0.10%	0.046%
3	4.355	83	86	93	rVB2	16634	35102	0.07%	0.031%
4	9.710	551	555	561	rBV	3335528	6499486	12.96%	5.733%
5	13.192	855	860	865	rBV	5083718	9284727	18.51%	8.189%
6	18.341	1305	1311	1315	rBV	5190169	10223558	20.39%	9.018%
7	18.741	1339	1346	1359	rBV2	80095	784065	1.56%	0.692%
8	20.876	1519	1533	1535	rBV3	5134	33547	0.07%	0.030%
9	20.933	1535	1538	1547	rVV4	19459	59019	0.12%	0.052%
10	22.280	1651	1656	1661	rBV2	45446	84060	0.17%	0.074%
11	22.645	1681	1688	1693	rBV	5074161	11262647	22.46%	9.934%
12	22.851	1695	1706	1731	rVB2	243657	2444024	4.87%	2.156%
13	23.456	1745	1759	1763	rBV5	27851	167872	0.33%	0.148%
14	23.719	1775	1782	1787	rVB4	14440	67028	0.13%	0.059%
15	23.856	1787	1794	1799	rBV6	8514	41686	0.08%	0.037%
16	24.860	1877	1882	1887	rBV	163088	346528	0.69%	0.306%
17	26.150	1977	1995	1999	rVB2	6849919	50149481	100.00%	44.234%
18	27.726	2129	2133	2139	rBV	938932	1685195	3.36%	1.486%
19	30.500	2369	2376	2381	rBV	4286067	10817845	21.57%	9.542%
20	34.416	2713	2719	2755	rBV	3409452	9289600	18.52%	8.194%

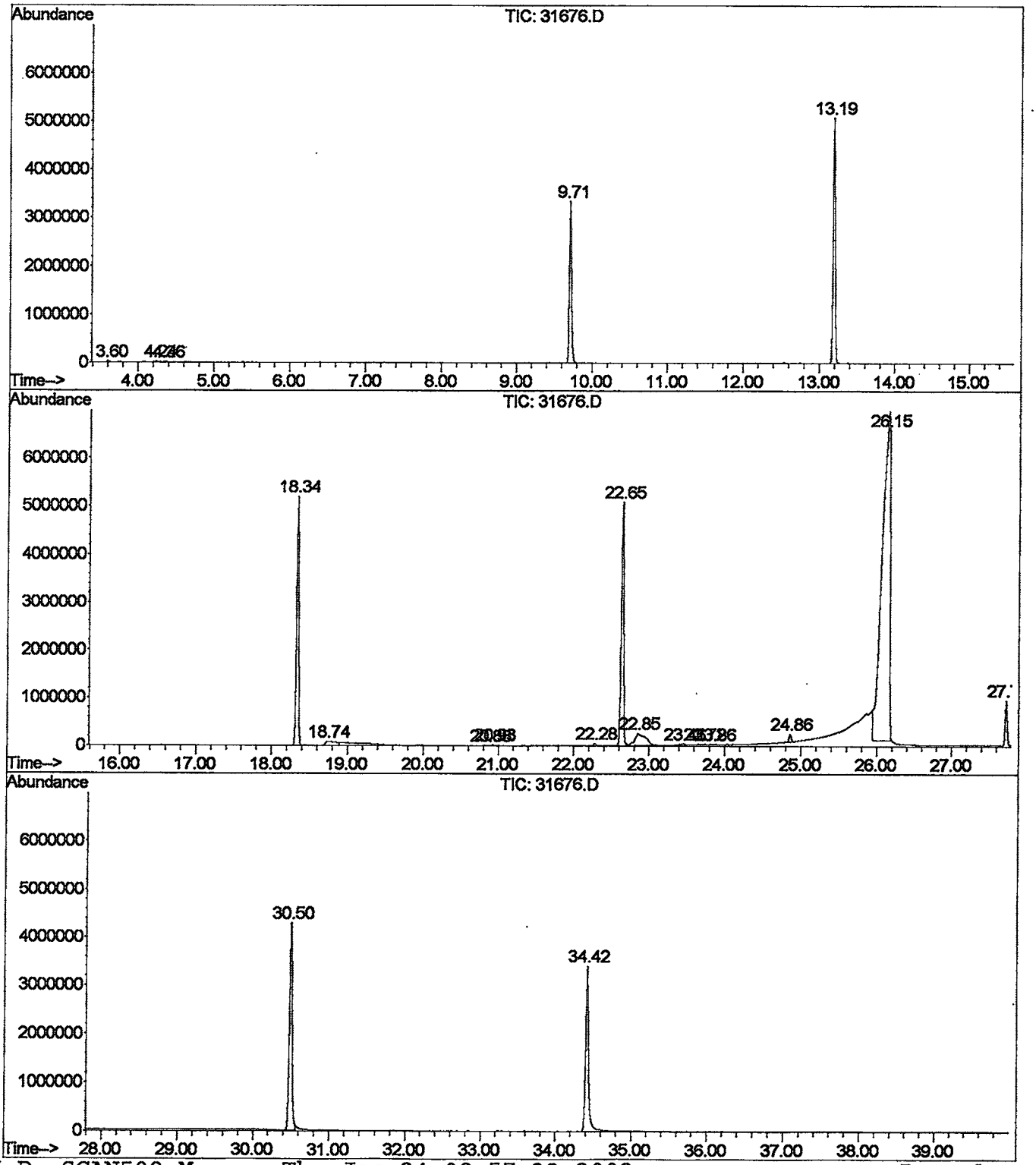
Sum of corrected areas: 113374426

NYC-WTC_000050321

NYC 9/11 Public Portal Document

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN23\31676.D
Operator :
Acquired : 23 Jan 2002 2:57 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 22, 2002
Vial Number: 1
Quant File :SCAN508.RES (RTE Integrator)



NYC-WTC_000050322

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

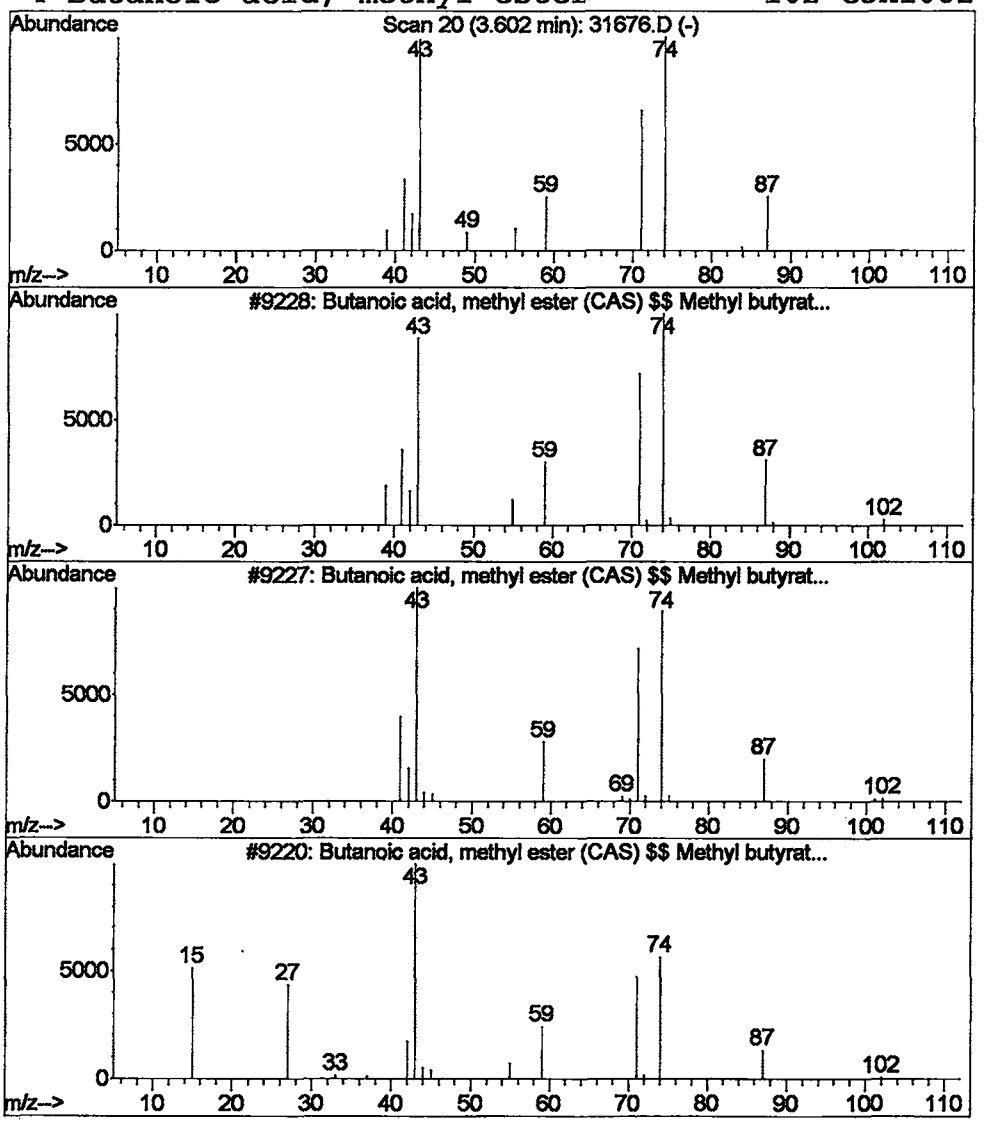
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

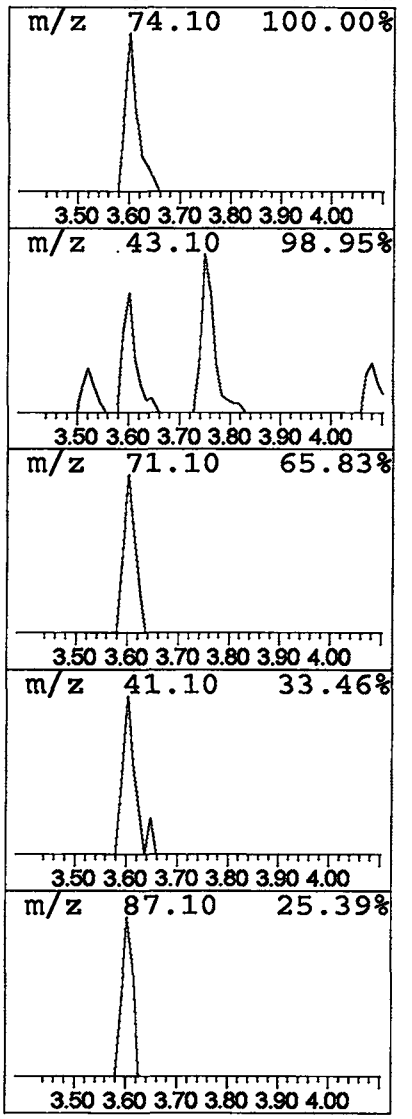
****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.14 ug/L	46464	1,4-Dichlorobenzene-d4	9.71

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	83
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	74





NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

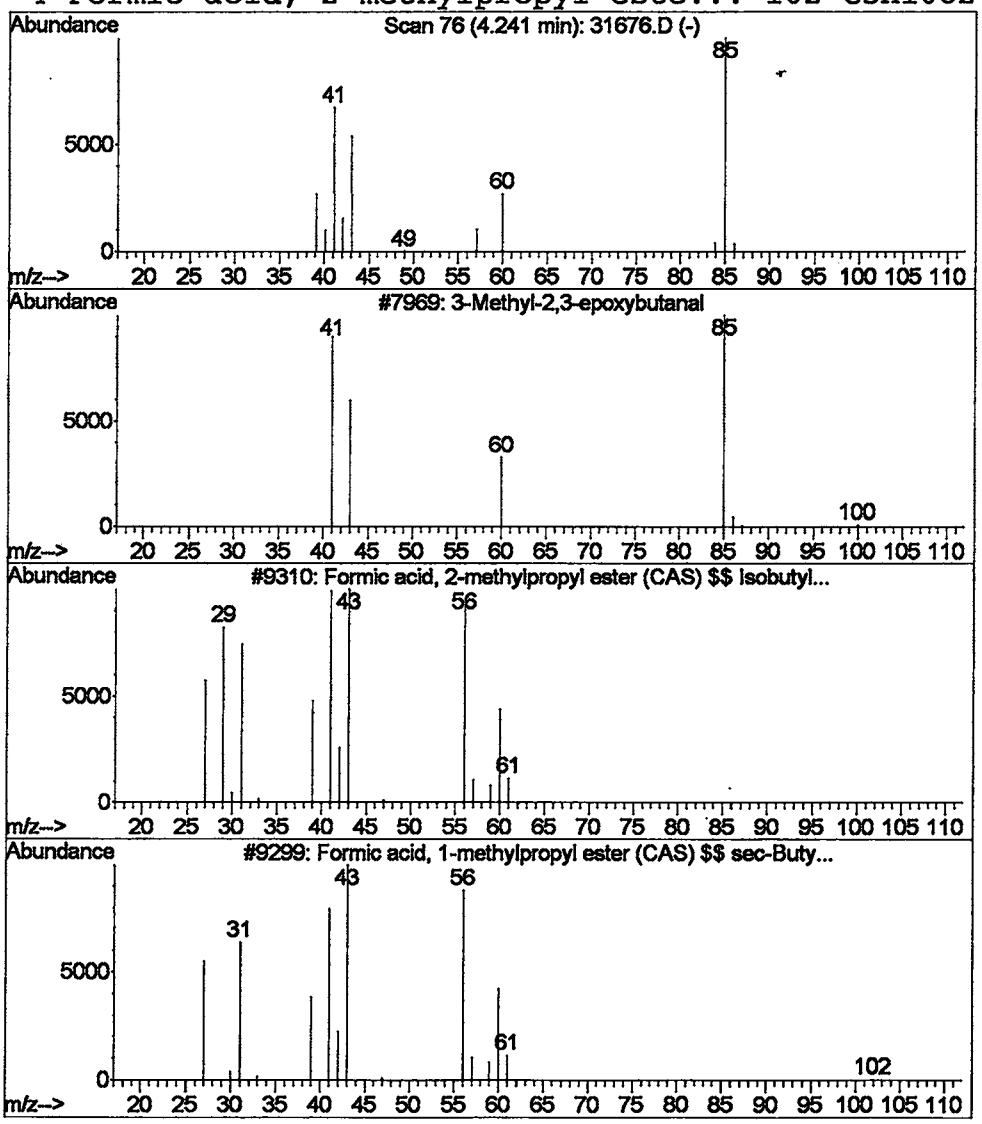
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

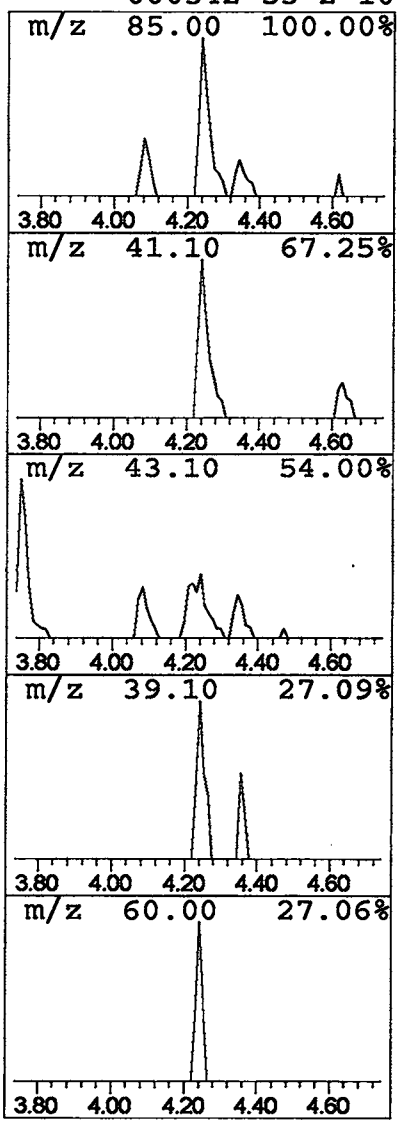
****

Peak Number 2 3-Methyl-2,3-epoxybutanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.16 ug/L	52492	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-2,3-epoxybutanal	100	C5H8O2	000000-00-0	39
2	Formic acid, 2-methylpropyl este...	102	C5H10O2	000542-55-2	22
3	Formic acid, 1-methylpropyl este...	102	C5H10O2	000589-40-2	10
4	Formic acid, 2-methylpropyl este...	102	C5H10O2	000542-55-2	10





NYC-WTC_000050324

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

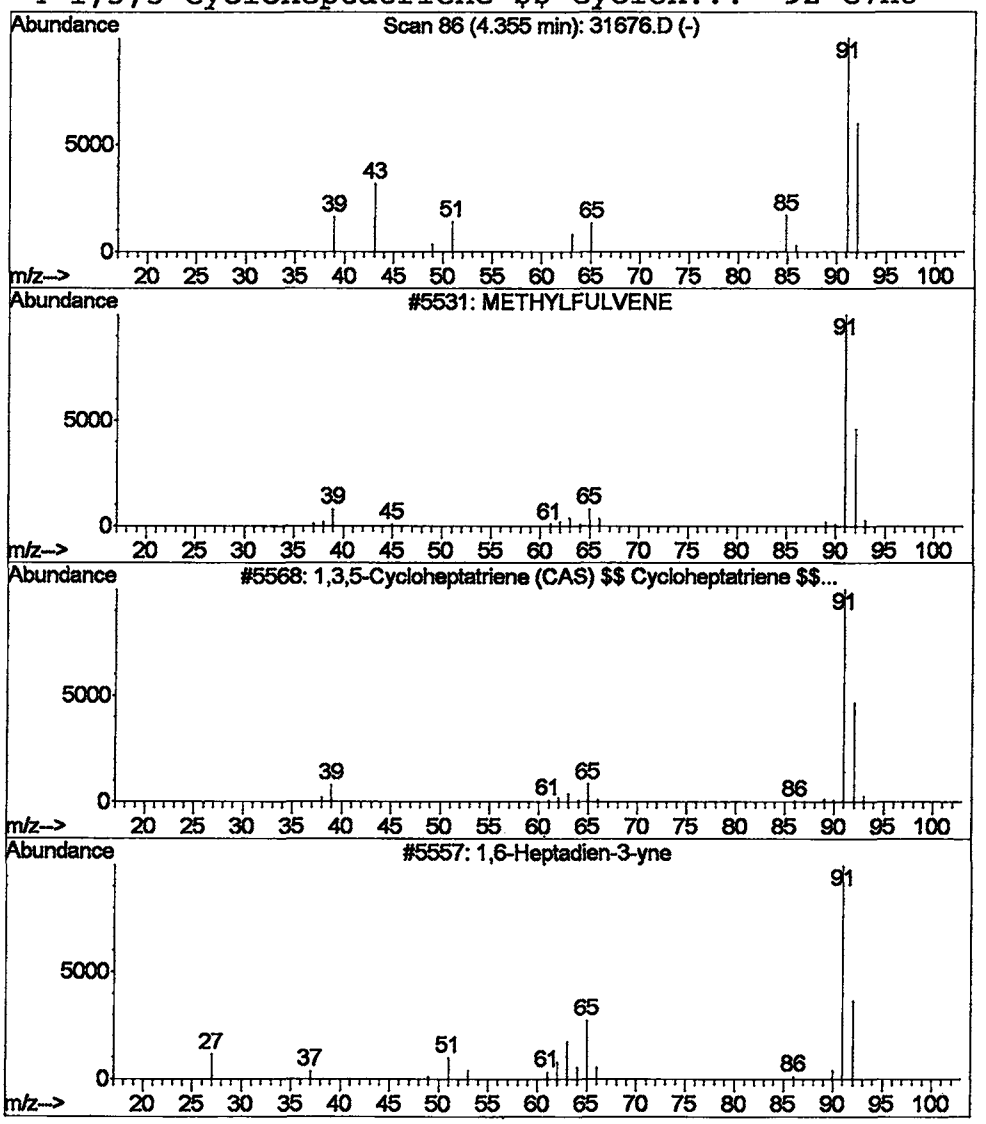
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

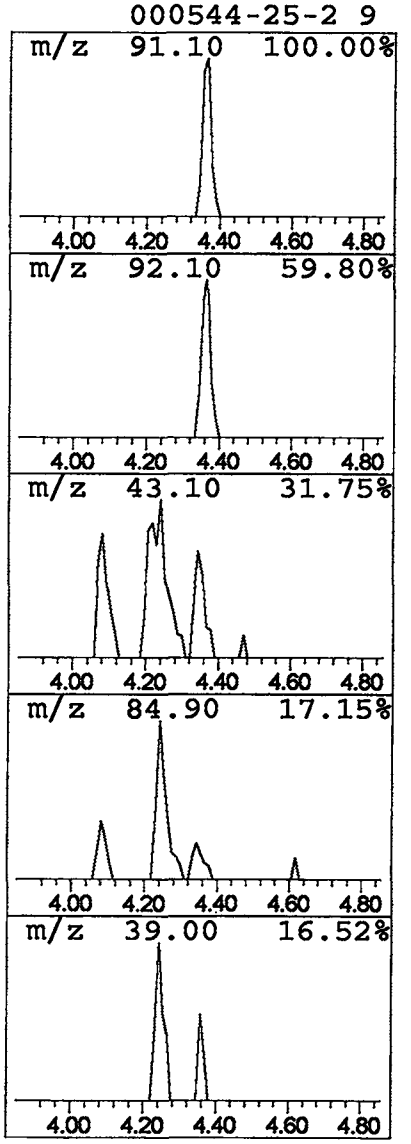
****

Peak Number 3 METHYLFULVENE Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.36	0.11 ug/L	35102	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	METHYLFULVENE	92	C7H8	000000-00-0	42
2	1,3,5-Cycloheptatriene (CAS) $$ ...	92	C7H8	000544-25-2	42
3	1,6-Heptadien-3-yne	92	C7H8	005150-80-1	9
4	1,3,5-Cycloheptatriene $$ Cycloh...	92	C7H8	000544-25-2	9





NYC-WTC_000050325

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

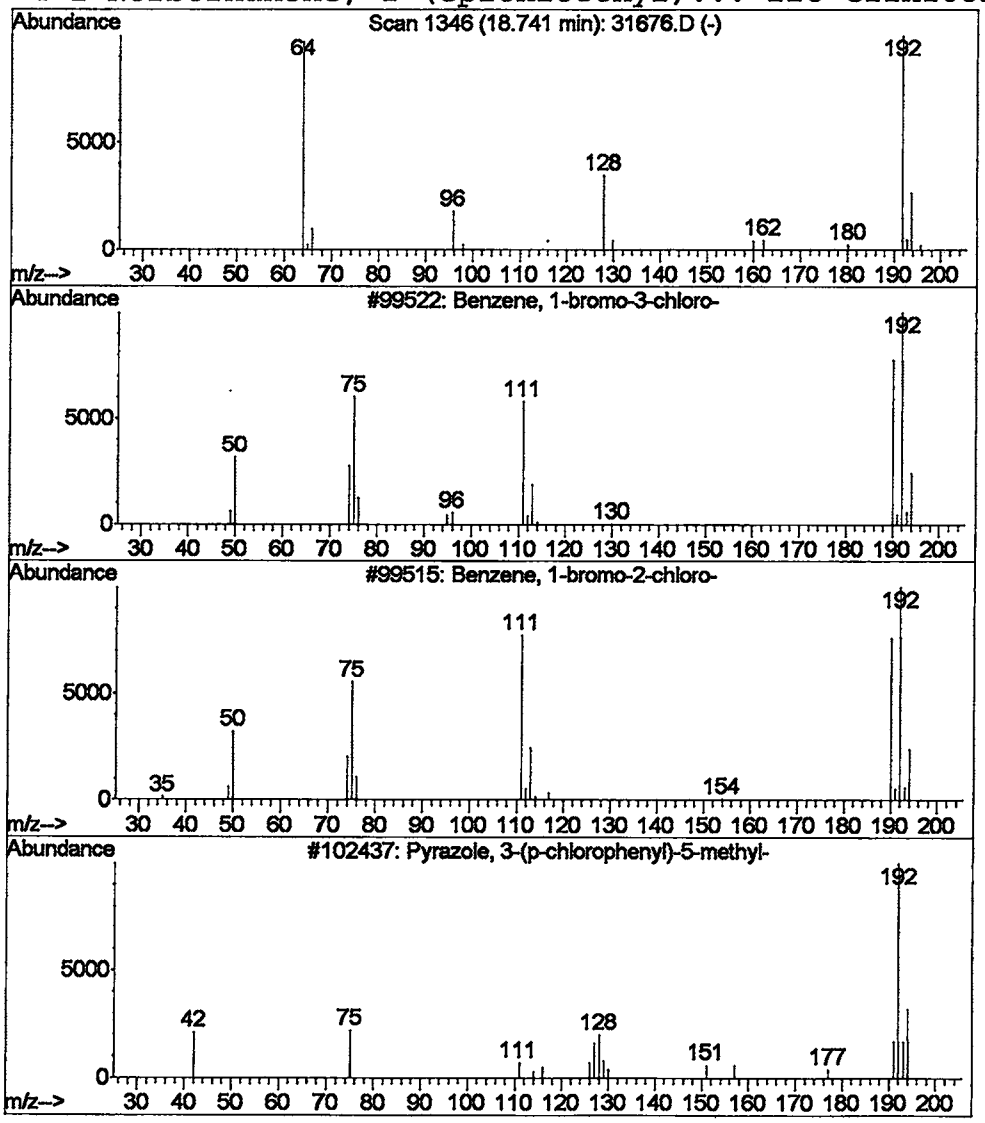
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

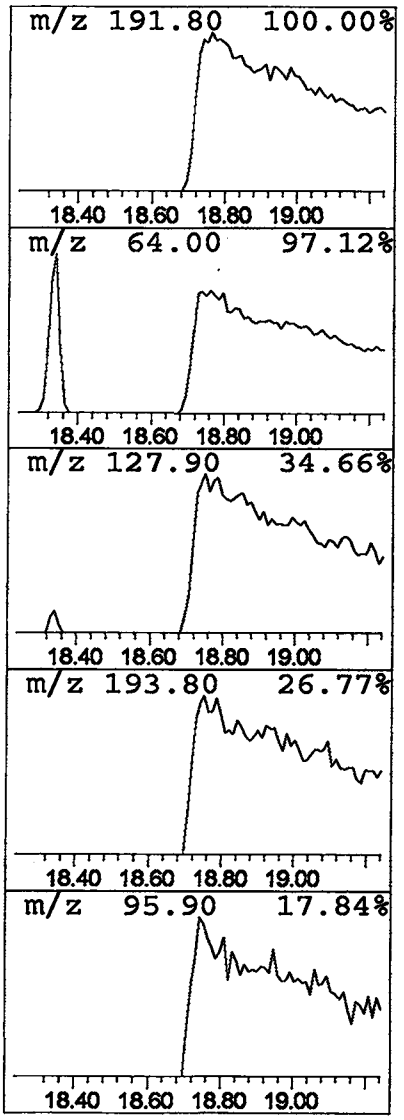
****

Peak Number 4 Benzene, 1-bromo-3-chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	1.53 ug/L	784065	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	9
2	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	9
3	Pyrazole, 3-(p-chlorophenyl)-5-m...	192	C10H9ClN2	017629-27-5	9
4	2-Norbornanone, 1-(epithioethyl)...	228	C11H16OS	001782-93-0	9





NYC-WTC_000050326

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

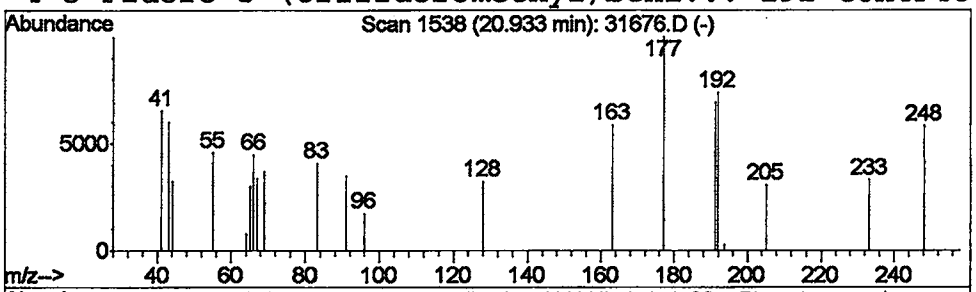
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

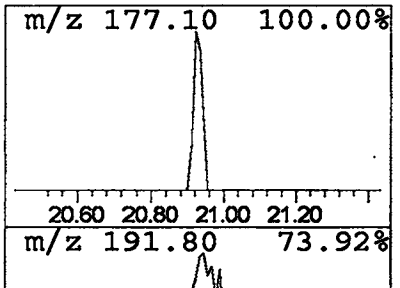
****

Peak Number 5 1,4-Benzenediamine, N,N,N'-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	0.10 ug/L	59019	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediamine, N,N,N'-triet...	192	C12H20N2	024340-91-8	47
2	cis-anti-cis-10,10-Dimethyltricy...	192	C13H20O	000000-00-0	23
3	Allyloxydicyclopentadiene	188	C13H16O	000000-00-0	10
4	3-Fluoro-5-(trifluoromethyl)benz...	192	C8H4F4O	000000-00-0	10





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

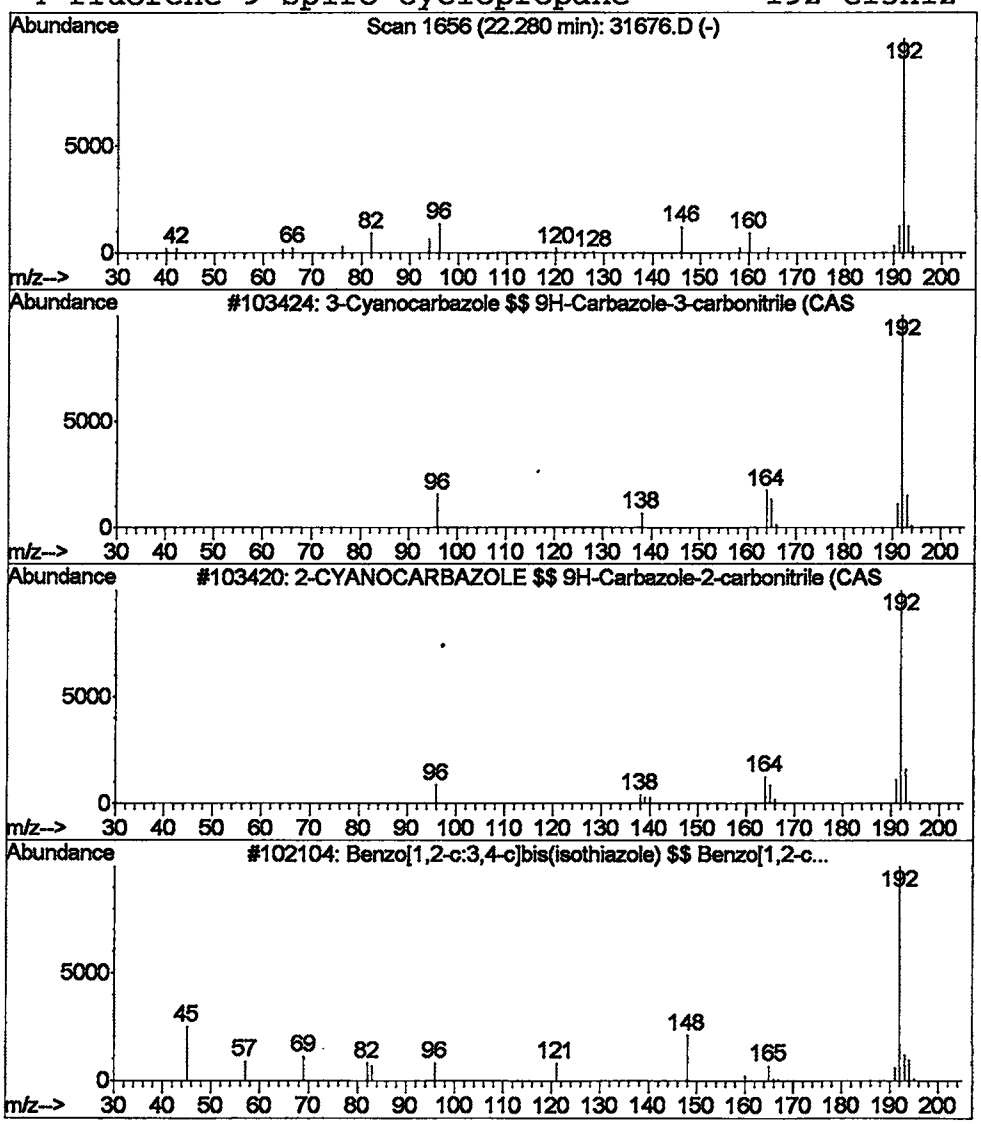
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

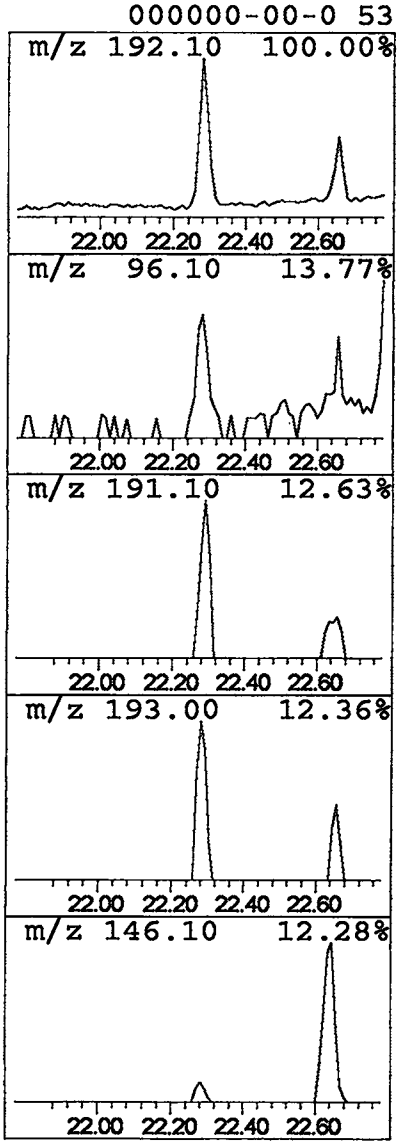
****

Peak Number 6 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	84060	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	72
2	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	72
3	Benzo[1,2-c:3,4-c]bis(isothiazol...	192	C8H4N2S2	074960-05-7	64
4	fluorene-9-spiro-cyclopropane	192	C15H12	000000-00-0	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

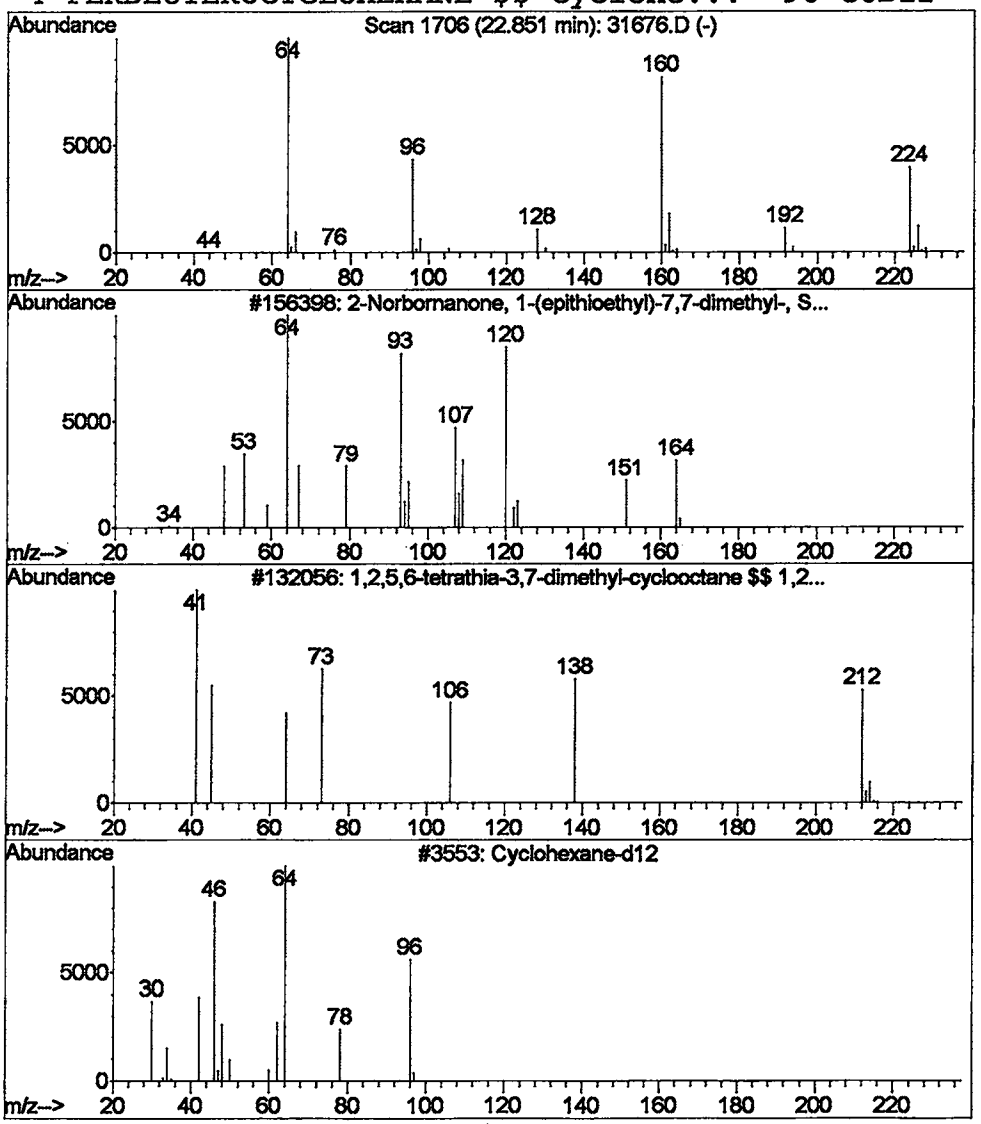
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

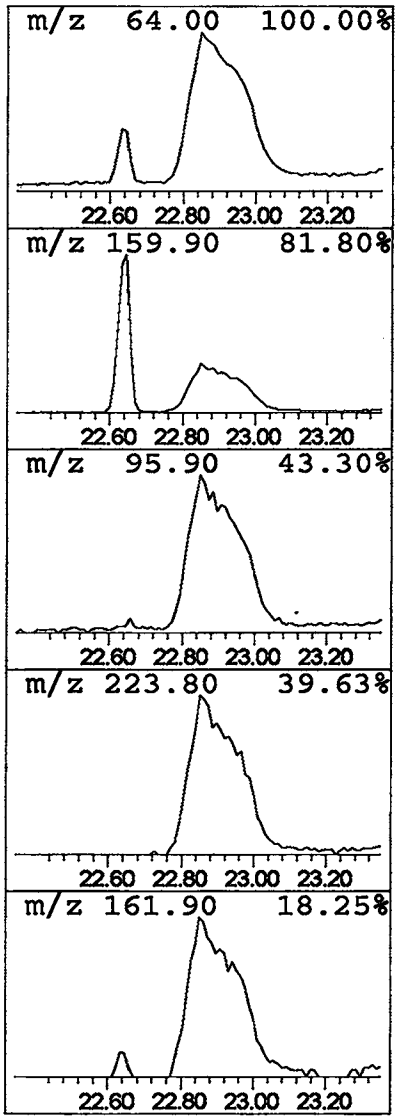
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	4.34 ug/L	2444020	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	1,2,5,6-tetrathia-3,7-dimethyl-c...	212	C6H12S4	116664-31-4	7
3	Cyclohexane-d12	96	C6D12	001735-17-7	7
4	PERDEUTEROCYCLOHEXANE $$ Cyclohe...	96	C6D12	001735-17-7	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

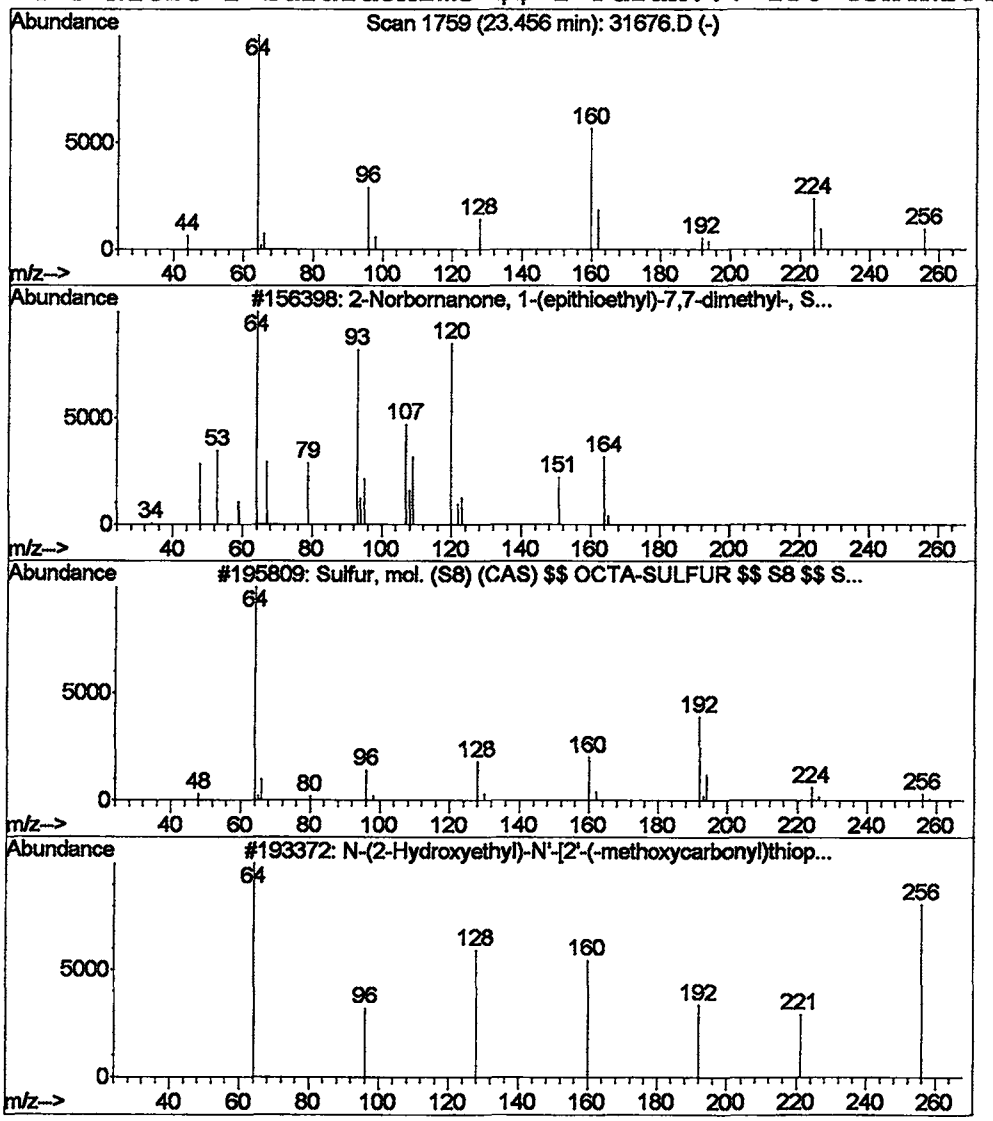
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

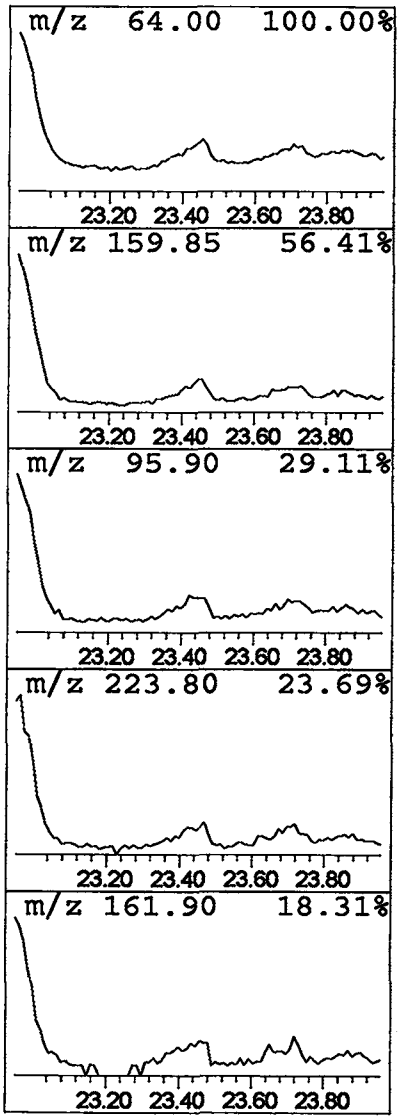
****

Peak Number 8 2-Norbornanone, 1-(epithioe... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	0.30 ug/L	167872	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	36
2	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	9
3	N-(2-Hydroxyethyl)-N'-[2'-(-meth...	255	C10H13N3O3S	000000-00-0	9
4	5-Nitro-2-furaldoxime $$ 2-Furan...	156	C5H4N2O4	000555-15-7	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

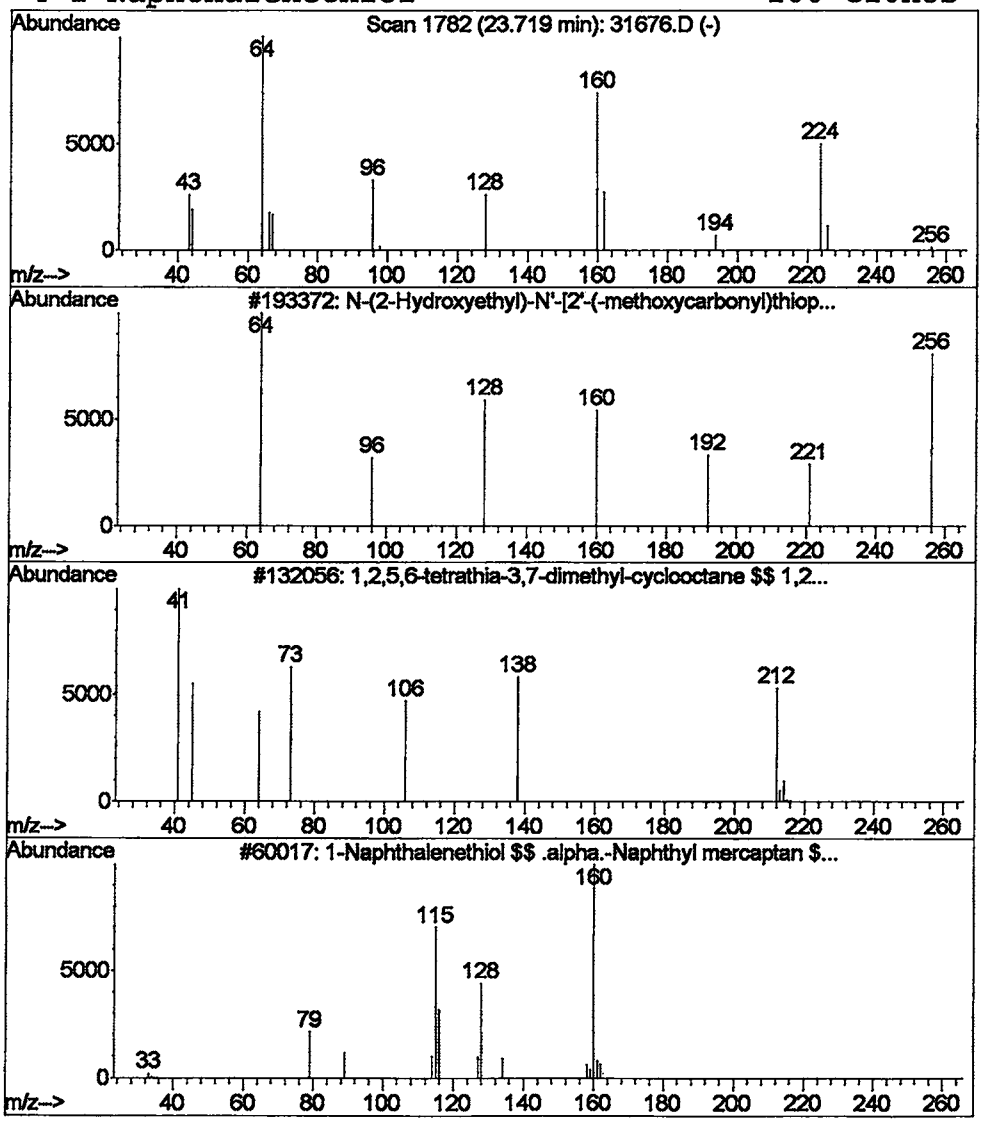
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

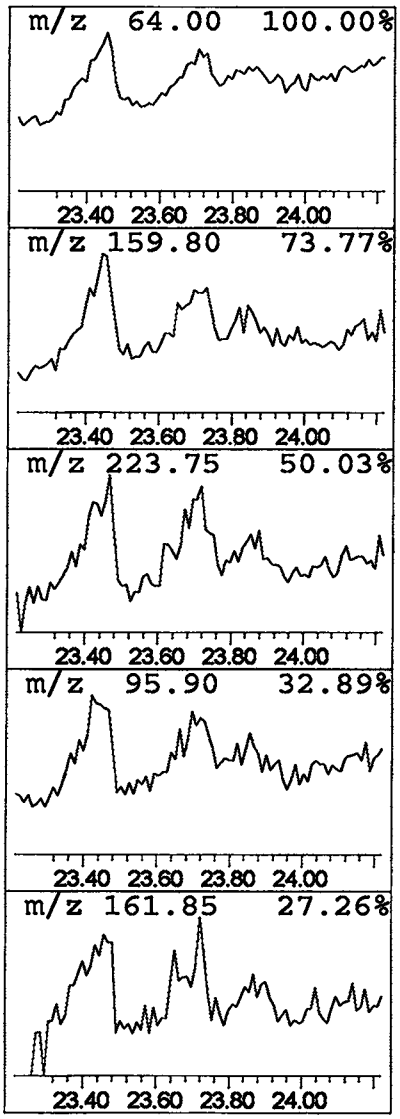
****

Peak Number 9 N-(2-Hydroxyethyl)-N'-[2'-(... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.72	0.12 ug/L	67028	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(2-Hydroxyethyl)-N'-[2'-(-meth...	255	C10H13N3O3S	000000-00-0	9
2	1,2,5,6-tetrathia-3,7-dimethyl-c...	212	C6H12S4	116664-31-4	7
3	1-Naphthalenethiol $$ .alpha.-Na...	160	C10H8S	000529-36-2	5
4	1-Naphthalenethiol	160	C10H8S	000529-36-2	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN23\31676.D Vial: 1
Acq On : 23 Jan 2002 2:57 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

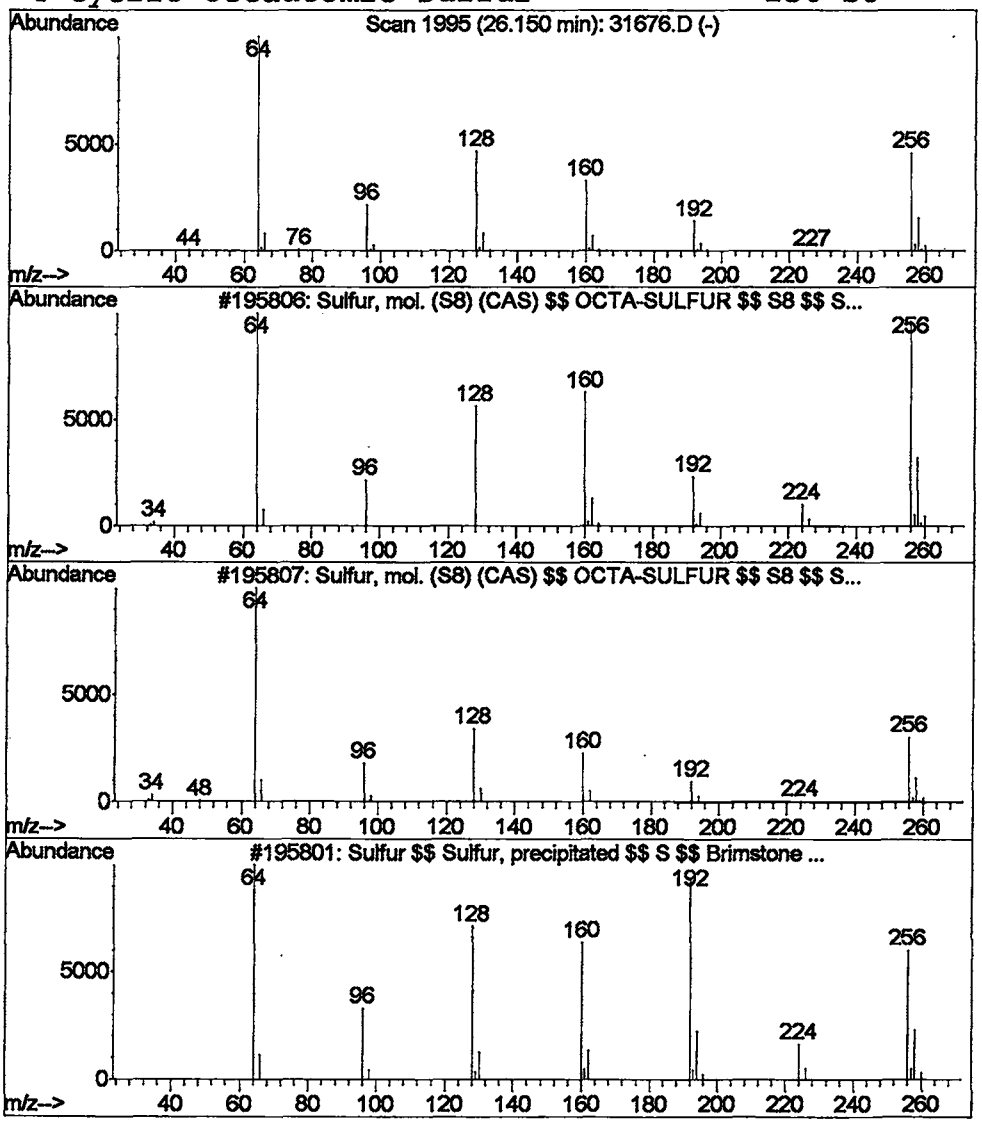
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

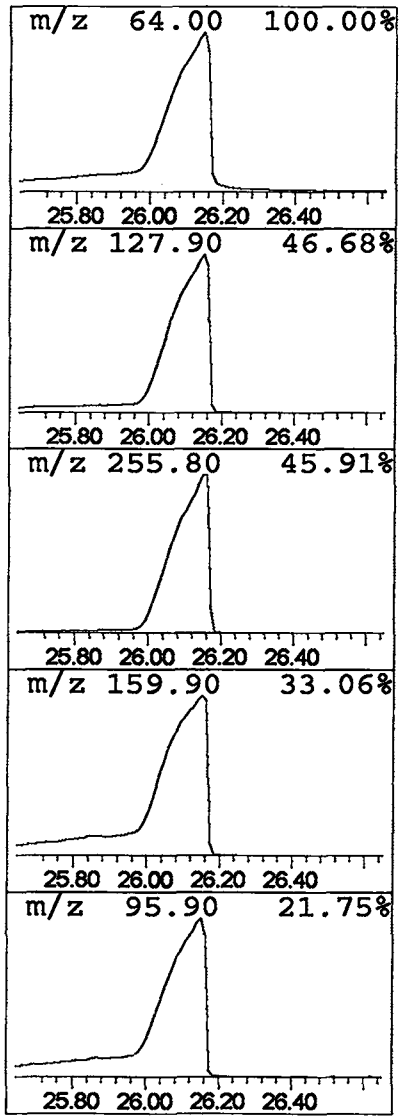
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.15	89.05 ug/L	50149500	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





NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 23 Jan 2002 2:57 pm
Data File: C:\MSDCHEM\1\5973N\02JAN23\31676.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
Butanoic acid, me...	3.60	0.1	ug/L	46464	1	9.71	6499490	20.0
3-Methyl-2,3-epox...	4.24	0.2	ug/L	52492	1	9.71	6499490	20.0
METHYLFULVENE	4.36	0.1	ug/L	35102	1	9.71	6499490	20.0
Benzene, 1-bromo-...	18.74	1.5	ug/L	784065	3	18.34	10223600	20.0
1,4-Benzenediamin...	20.93	0.1	ug/L	59019	4	22.65	11262600	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	84060	4	22.65	11262600	20.0
2-Norbornanone, 1...	22.85	4.3	ug/L	2444020	4	22.65	11262600	20.0
2-Norbornanone, 1...	23.46	0.3	ug/L	167872	4	22.65	11262600	20.0
N-(2-Hydroxyethyl...	23.72	0.1	ug/L	67028	4	22.65	11262600	20.0
Sulfur, mol. (S8)...	26.15	89.1	ug/L	50149500	4	22.65	11262600	20.0

NYC-WTC_000050333