User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 13:54:16

Sample: AE00468
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/18/02 13:53 Ended: 1/18/02 13:53 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		92		5.0

5-Nitro-2-furaldoxime
40/100 1.0 mg/2
555-15-7

2-Nan
2.2 ng/L 28/100
1782-93-0

NYCDEP DEL 18
117 by Cancio

FB 360 Conta
C PAH/PAH

Comments for Sample AE00468 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-18-2002 Time: 14:08:52

The GCMS scan, from 35 to 550 amu, reveals the presence of 5-Nitro-2-furaldoxime at an estimated level of 1.0 ug/L and with a fit of 40 out of 100, and 1-Epithioethyl)-2-Norbornanoneat an estimated level of 2.2 ug/L and with a fit of 28 ~~ug/L~~. The recovery for 1 of the 43 compounds in the LCS Standard was above its acceptance range.

Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D Vial: 5
Acq On : 10 Jan 2002 6:07 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 11 10:18:54 2002 Quant Results File: SCAN508.RES

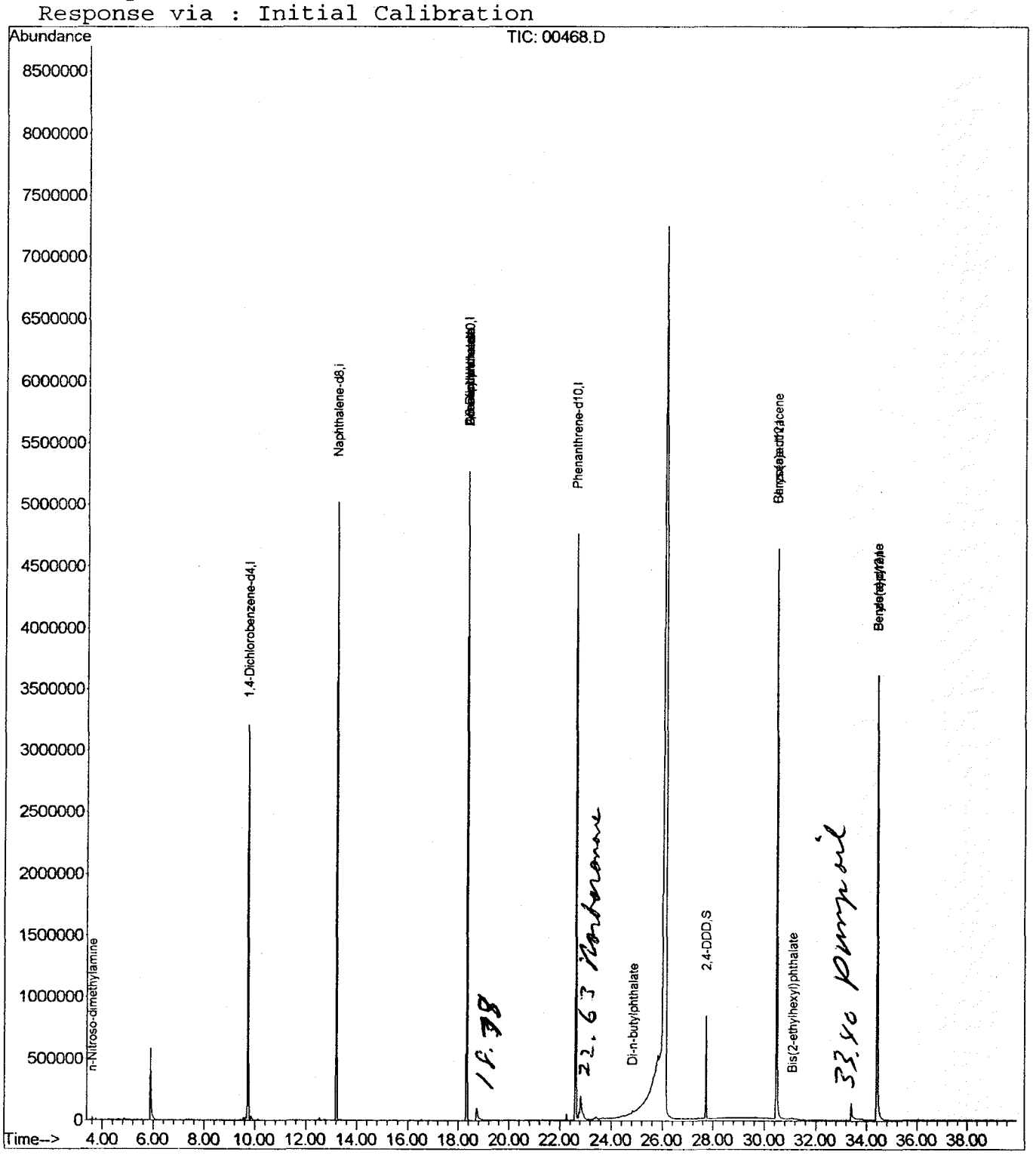
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1166614	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4874107	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2513226	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4115686	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3701613	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2740235	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	298791	4.59	ug/L	0.00
Spiked Amount 5.000			Recovery = 91.80%			
Target Compounds						Qvalue
2) n-Nitroso-dimethylamine	3.60	74	8317	0.17	ug/L #	13
20) Dimethylphthalate	18.34	163	409112	2.46	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	325548	10.06	ug/L #	17
35) Di-n-butylphthalate	24.86	149	18625	0.07	ug/L	94
41) Benzo(a)anthracene	30.49	228	9223	0.04	ug/L #	54
42) Bis(2-ethylhexyl)phthalate	31.12	149	19153	0.65	ug/L	91
43) Chrysene	30.49	228	9223	0.04	ug/L #	51
48) Benzo(a)pyrene	34.42	252	9216	0.05	ug/L #	1

(#) = qualifier out of range (m) = manual integration
00468.D SCAN508.M Fri Jan 11 10:18:55 2002 Page 1

Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D Vial: 5
Acq On : 10 Jan 2002 6:07 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 11 10:18 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D Vial: 5
Acq On : 10 Jan 2002 6:07 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 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

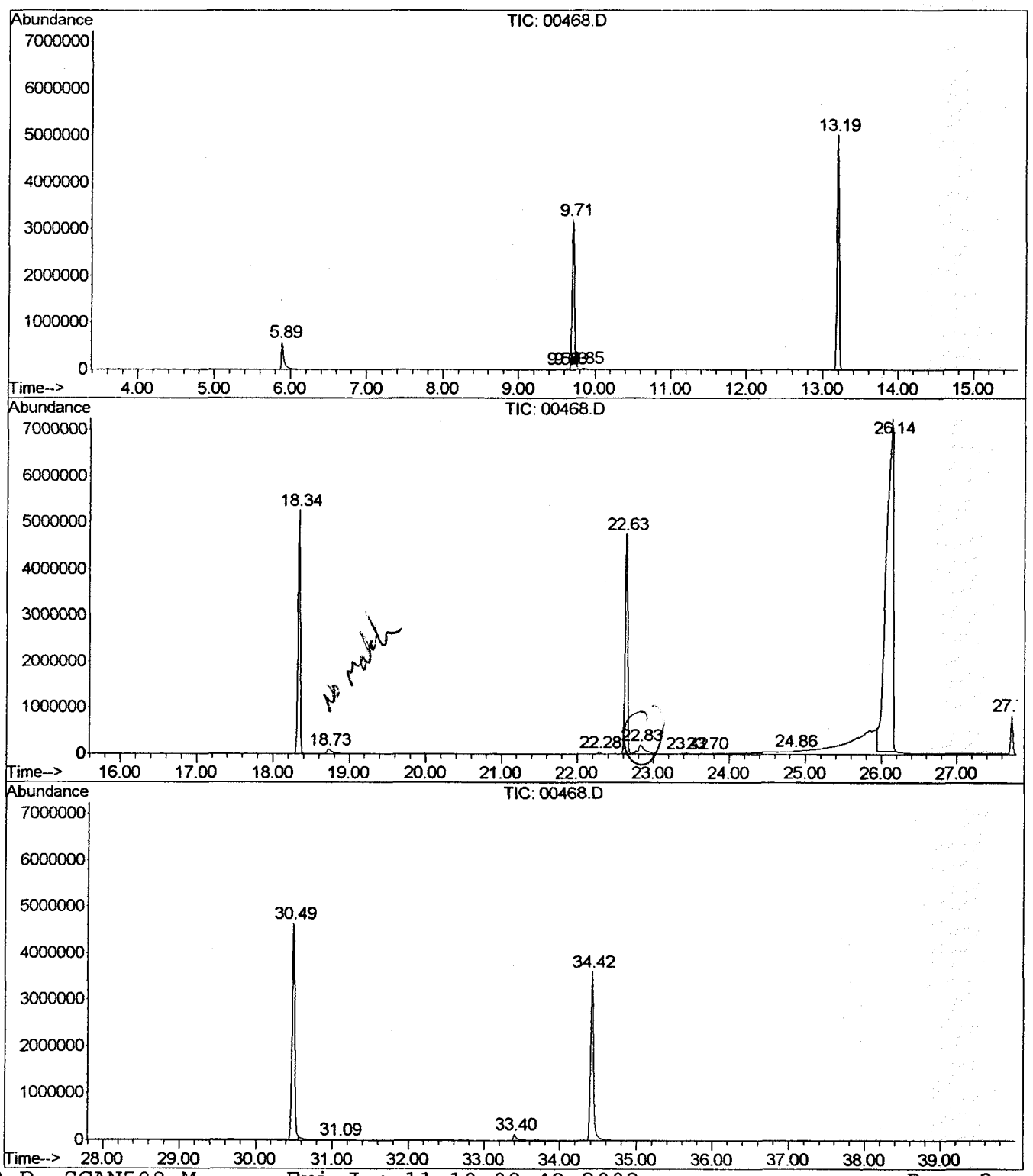
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.886	217	220	251	rBV	583036	1338078	2.89%	1.220%
2	9.539	539	540	545	rBV2	23945	59307	0.13%	0.054%
3	9.630	545	548	551	rVV	26940	67114	0.14%	0.061%
4	9.710	551	555	563	rVV	3207994	6665000	14.38%	6.076%
5	9.847	563	567	577	rVB2	30438	108727	0.23%	0.099%
6	13.192	855	860	865	rBV	5018847	9381773	20.24%	8.553%
7	18.341	1305	1311	1315	rBV	5271506	10247408	22.11%	9.342%
8	18.730	1339	1345	1367	rBV	100881	529744	1.14%	0.483%
9	22.280	1651	1656	1661	rBV	47409	84948	0.18%	0.077%
10	22.634	1681	1687	1693	rBV2	4758453	10917368	23.56%	9.953%
11	22.828	1693	1704	1727	rVB2	187734	1205380	2.60%	1.099%
12	23.422	1745	1756	1765	rBV3	18618	97397	0.21%	0.089%
13	23.696	1765	1780	1785	rBV6	12128	79691	0.17%	0.073%
14	24.860	1877	1882	1887	rBV2	22864	72651	0.16%	0.066%
15	26.139	1977	1994	1999	rVB	7179827	46345705	100.00%	42.250%
16	27.726	2129	2133	2139	rBV	835385	1492159	3.22%	1.360%
17	30.489	2369	2375	2381	rBV2	4624757	10936407	23.60%	9.970%
18	31.094	2425	2428	2455	rVB7	19213	141370	0.31%	0.129%
19	33.400	2625	2630	2645	rBV	138848	515064	1.11%	0.470%
20	34.416	2713	2719	2745	rBV	3607544	9408958	20.30%	8.577%

Sum of corrected areas: 109694249

File : C:\MSDCHEM\1\5973N\02JAN10\00468.D
Operator :
Acquired : 10 Jan 2002 6:07 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/8
Misc Info : January 10, 2002
Vial Number: 5
Quant File :SCAN508.RES (RTE Integrator)



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Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D          Vial: 5
Acq On    : 10 Jan 2002    6:07 pm                   Operator:
Sample    : 508 scan ext 1/8                         Inst    : Instrumen
Misc      : January 10, 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
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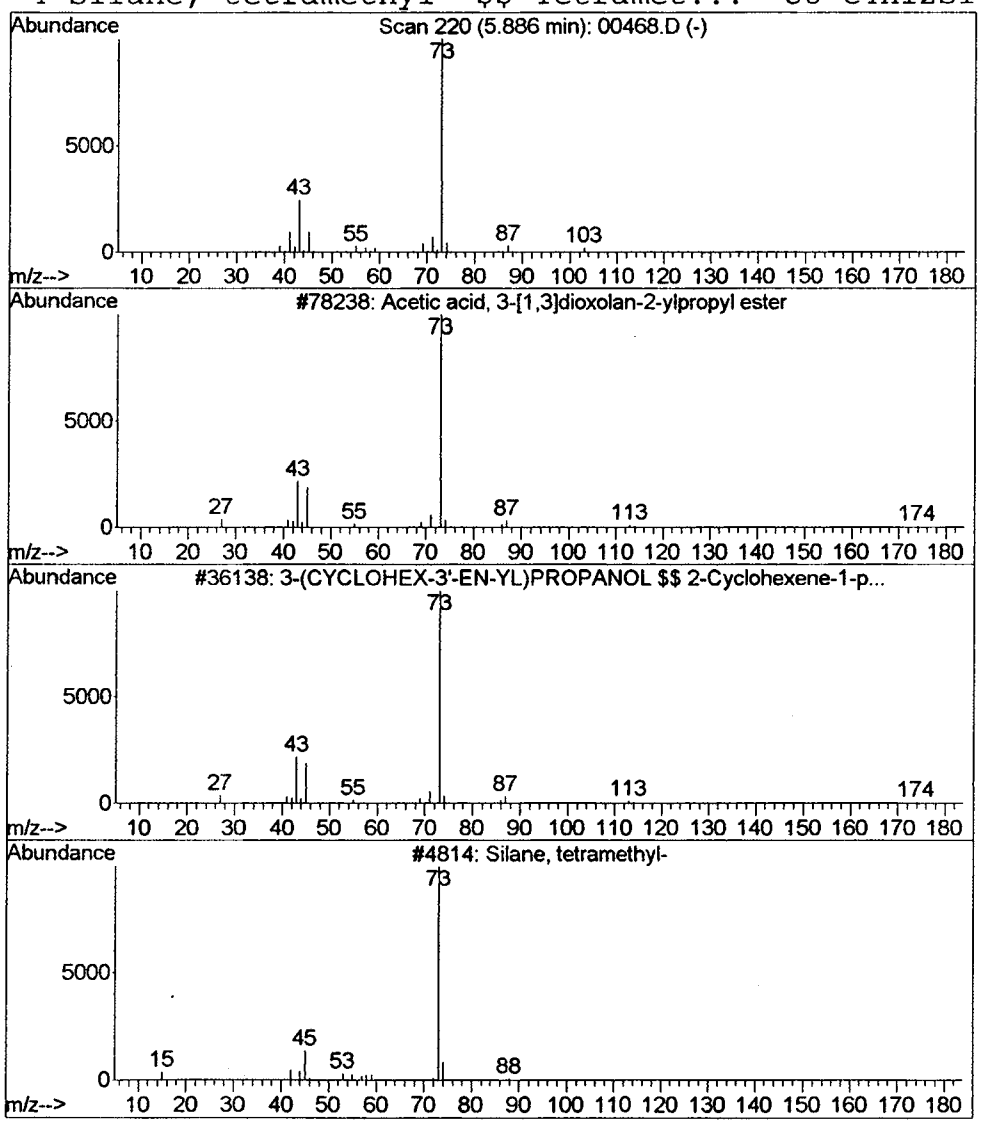
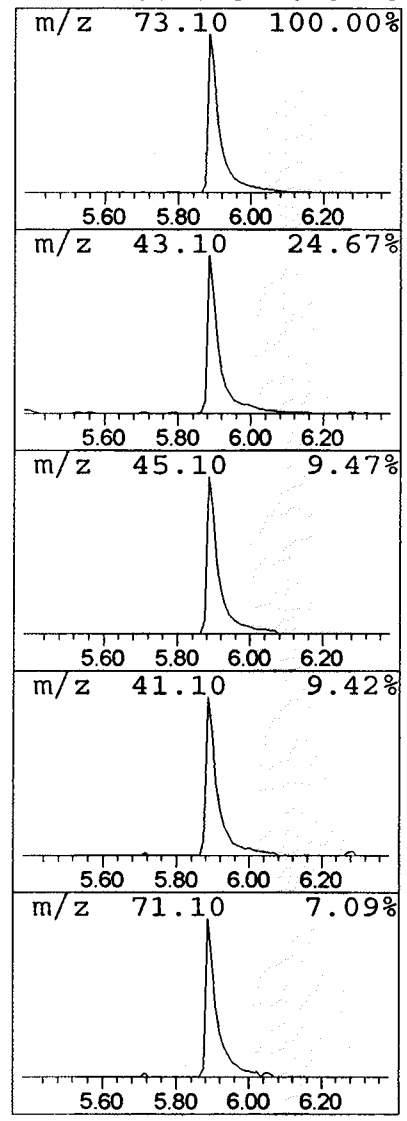
Peak Number 1 Acetic acid, 3-[1,3]dioxola... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.02 ug/L	1338080	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	33
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	32
4	Silane, tetramethyl- $$ Tetramet...	88	C4H12Si	000075-76-3	28





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Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D          Vial: 5
Acq On    : 10 Jan 2002    6:07 pm                   Operator:
Sample    : 508 scan ext 1/8                         Inst    : Instrumen
Misc      : January 10, 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
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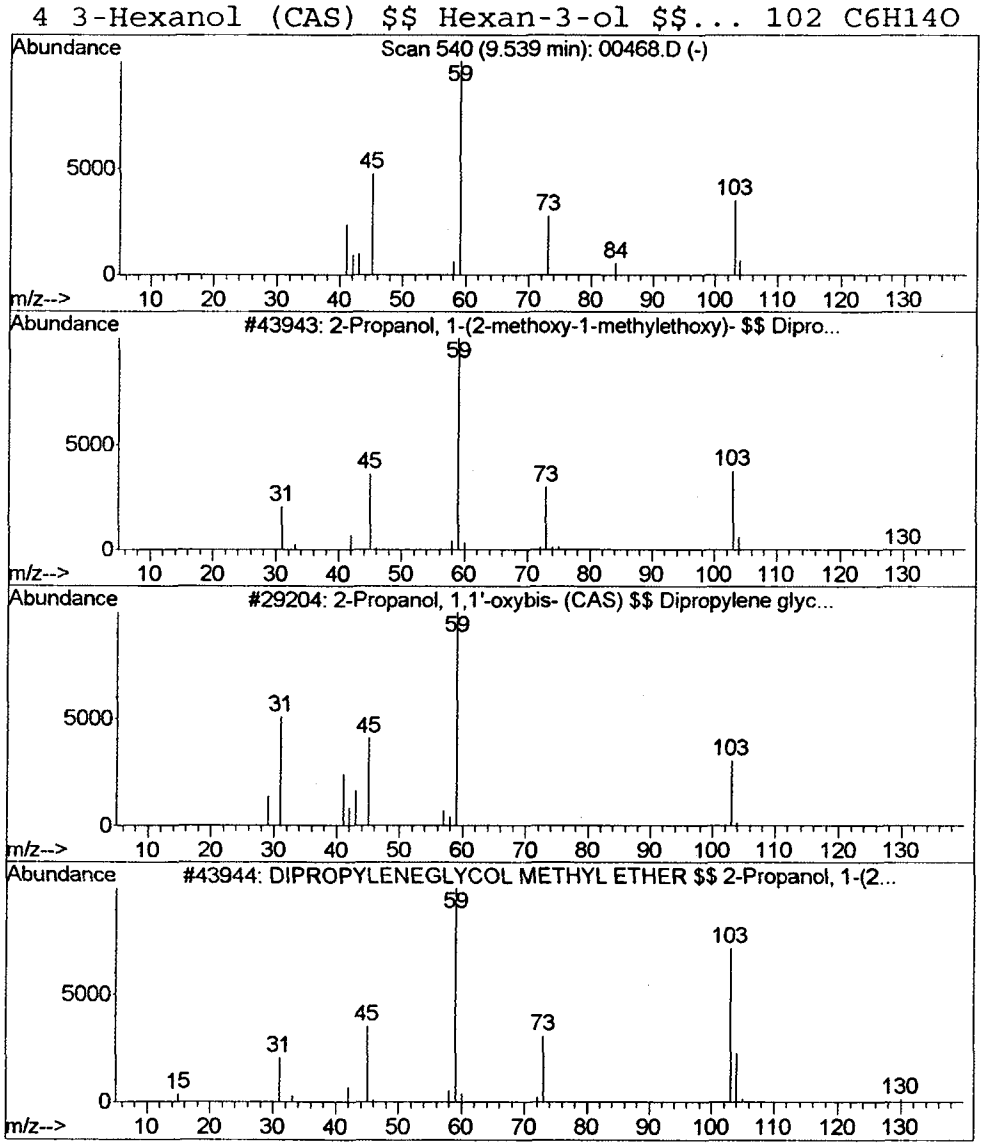
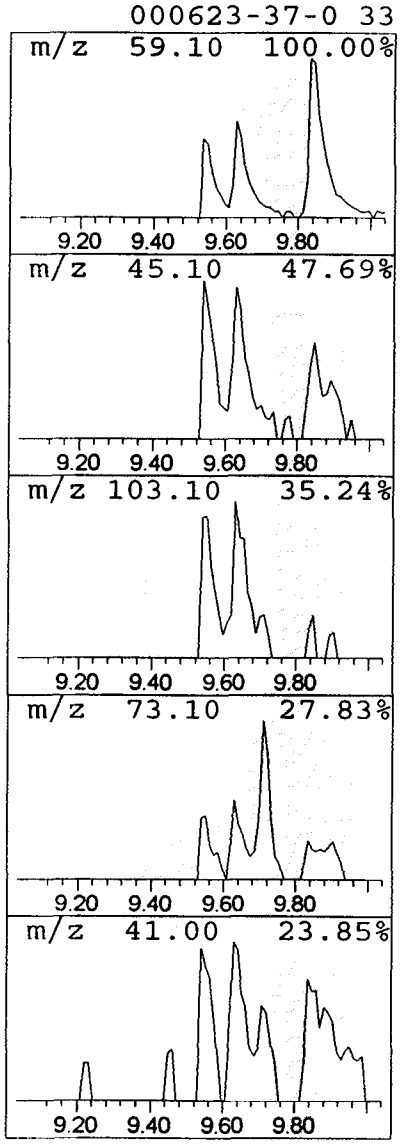
Peak Number 2 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	0.18 ug/L	59307	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	74
2	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	50
3	DIPROPYLENEGLYCOL METHYL ETHER $...	148	C7H16O3	020324-32-7	39
4	3-Hexanol (CAS) $$ Hexan-3-ol $$...	102	C6H14O	000623-37-0	33





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Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D          Vial: 5
Acq On    : 10 Jan 2002    6:07 pm                   Operator:
Sample    : 508 scan ext 1/8                         Inst    : Instrumen
Misc      : January 10, 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
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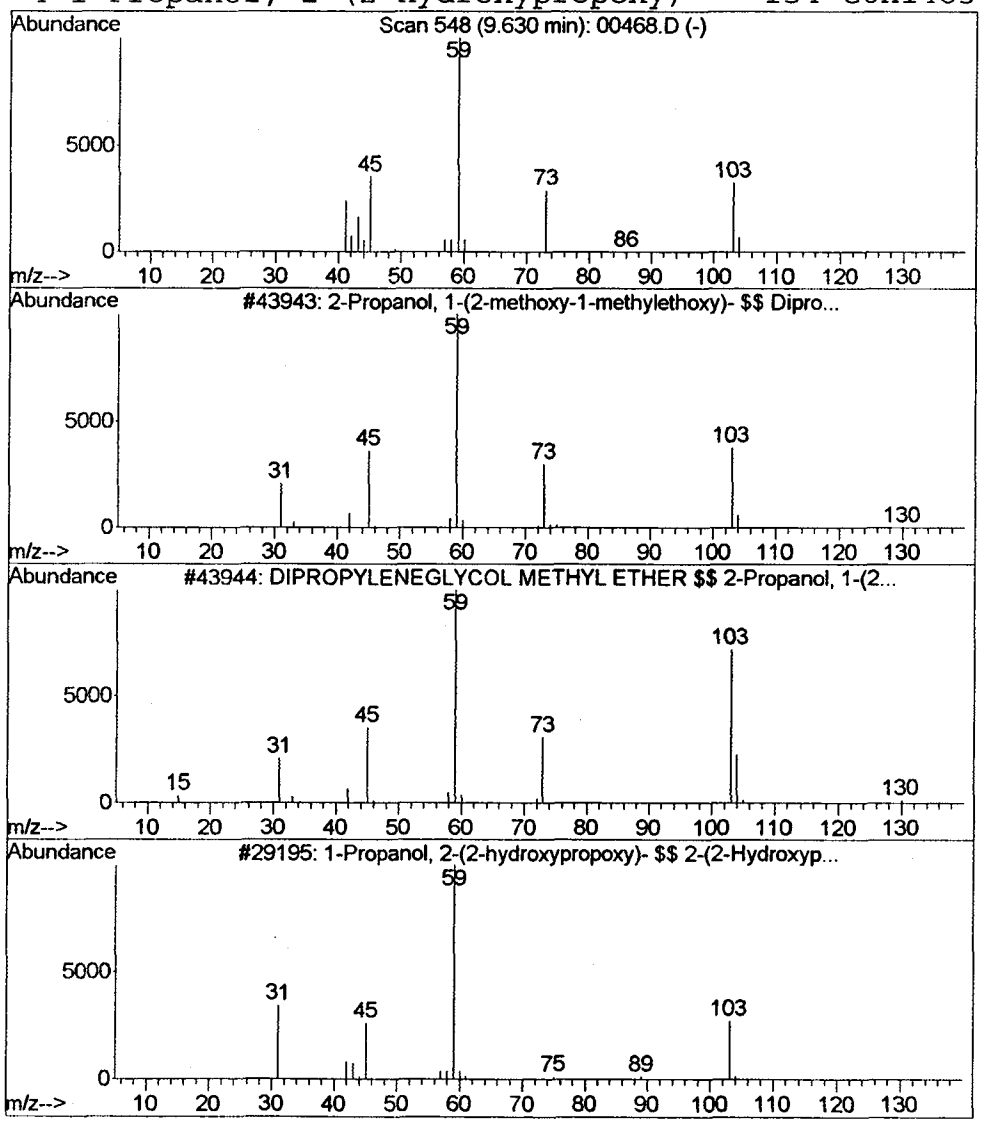
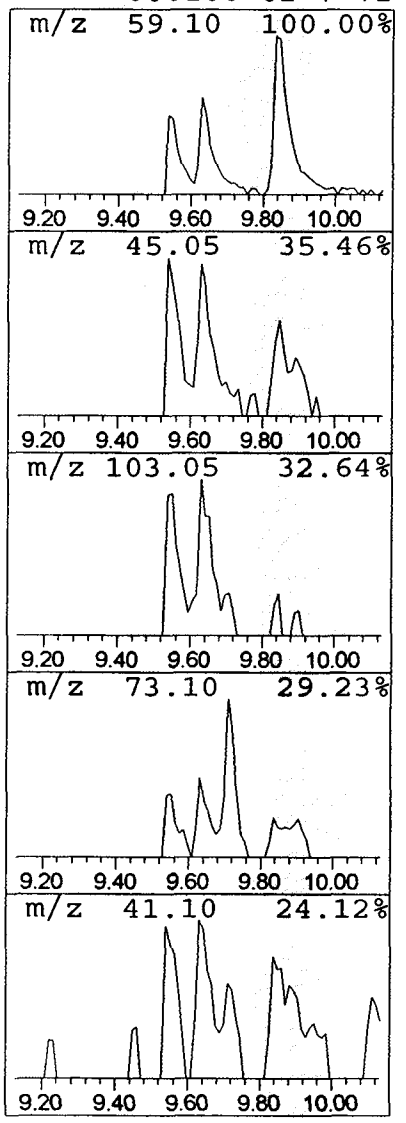
Peak Number 3 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	0.20 ug/L	67114	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	83
2	DIPROPYLENEGLYCOL METHYL ETHER $...	148	C7H16O3	020324-32-7	74
3	1-Propanol, 2-(2-hydroxypropoxy)...	134	C6H14O3	000106-62-7	72
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72





Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D Vial: 5
Acq On : 10 Jan 2002 6:07 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 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

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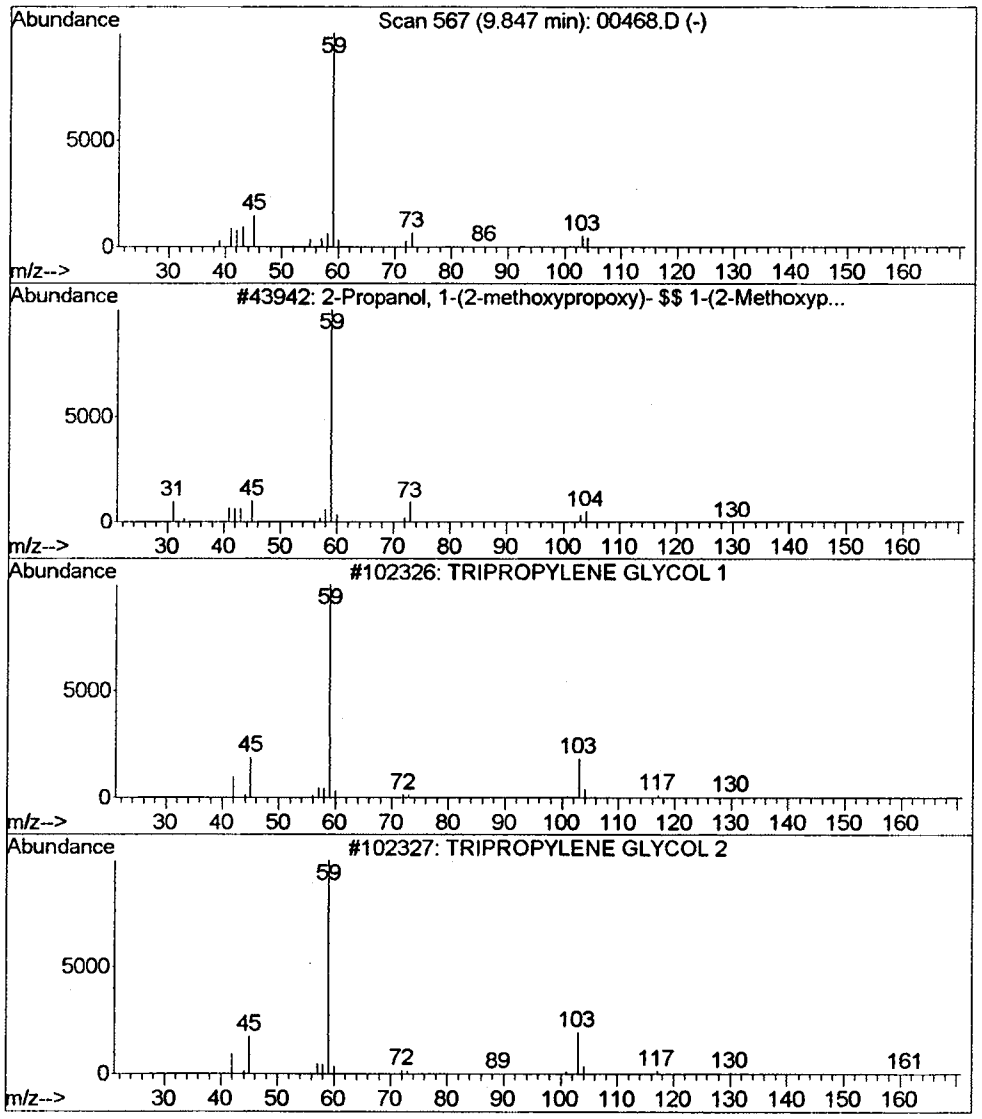
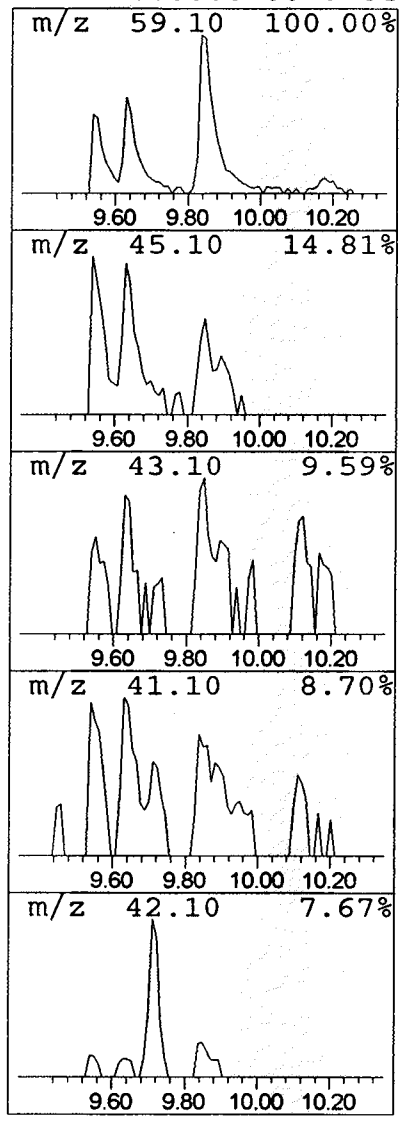
Peak Number 4 2-Propanol, 1-(2-methoxypro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.33 ug/L	108727	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	78
2	TRIPROPYLENE GLYCOL 1	192	C9H20O4	000000-00-0	78
3	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	64
4	PROPYLENE GLYCOL TRIMER 3	174	C9H18O3	000000-00-0	64





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Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D          Vial: 5
Acq On    : 10 Jan 2002    6:07 pm                    Operator:
Sample    : 508 scan ext 1/8                          Inst    : Instrumen
Misc      : January 10, 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
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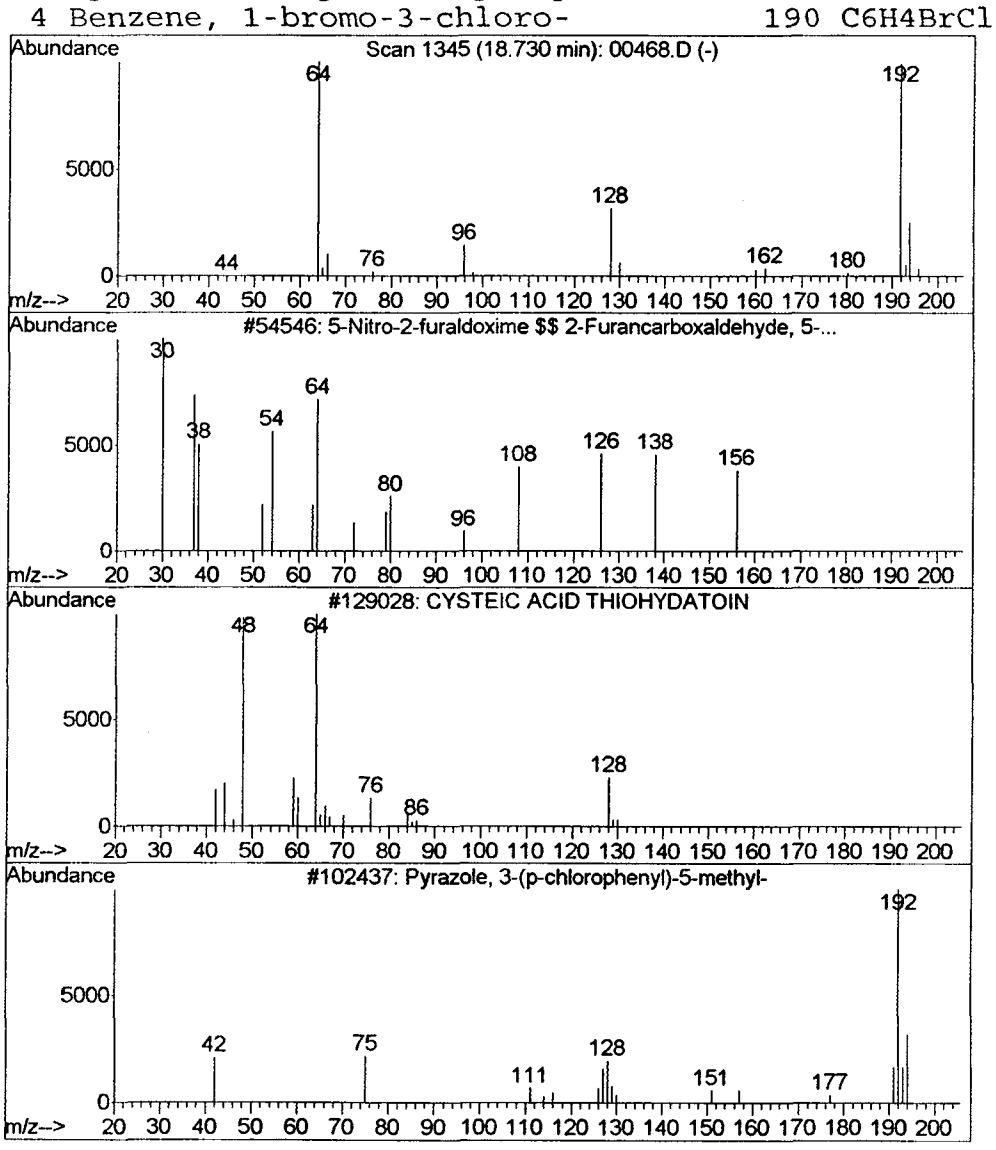
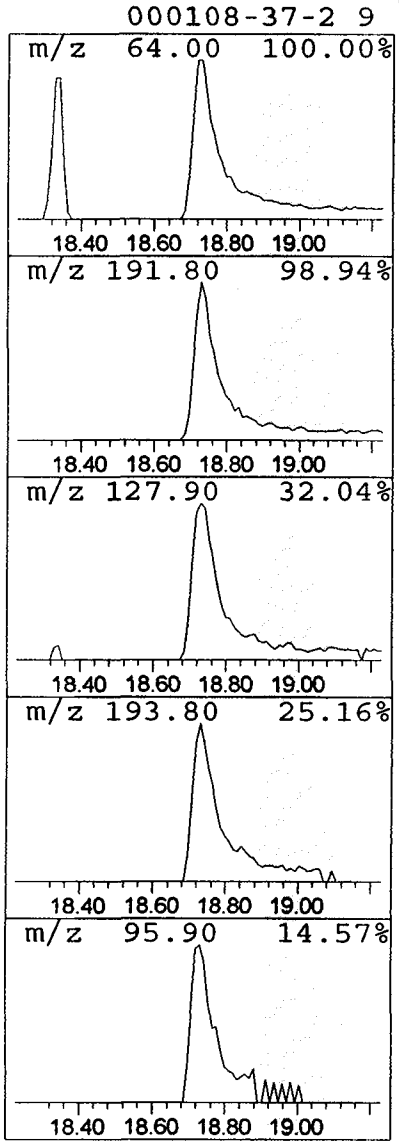
Peak Number 5 5-Nitro-2-furaldoxime $$ 2-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	1.03 ug/L	529744	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Nitro-2-furaldoxime $$ 2-Furan...	156	C5H4N2O4	000555-15-7	40
2	CYSTEIC ACID THIOHYDATOIN	210	C4H6N2O4S2	000000-00-0	36
3	Pyrazole, 3-(p-chlorophenyl)-5-m...	192	C10H9ClN2	017629-27-5	9
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	9

NO GOOD MATCH





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Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D          Vial: 5
Acq On    : 10 Jan 2002    6:07 pm                   Operator:
Sample    : 508 scan ext 1/8                         Inst    : Instrumen
Misc      : January 10, 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
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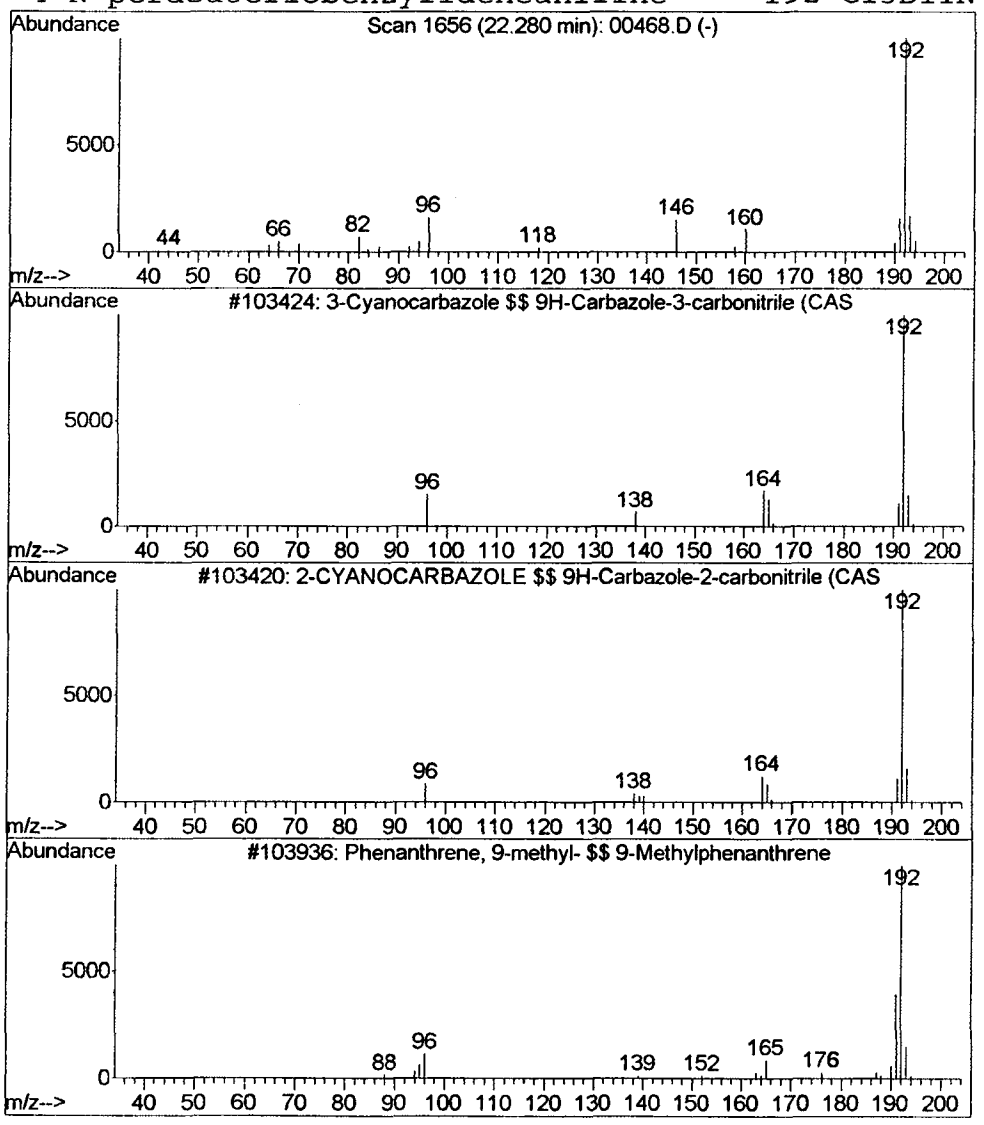
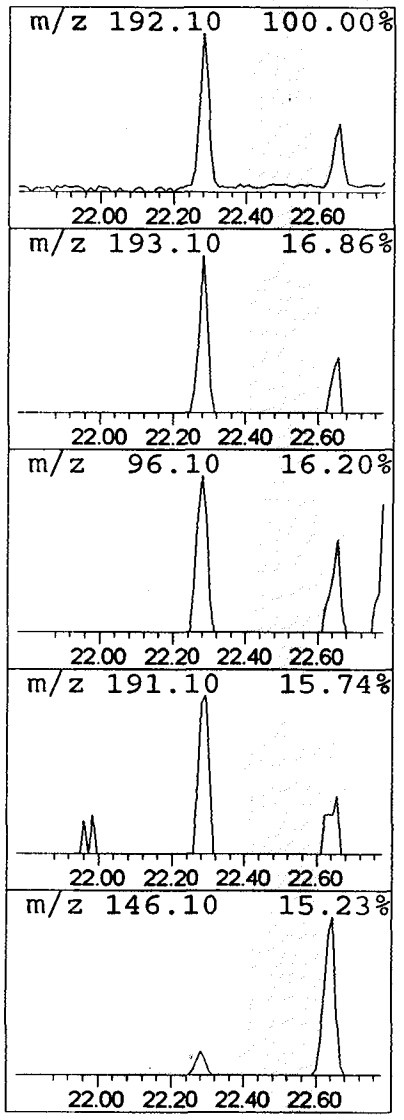
Peak Number 6 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.16 ug/L	84948	Phenanthrene-d10	22.63

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	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
4	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58





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Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D          Vial: 5
Acq On    : 10 Jan 2002    6:07 pm                   Operator:
Sample    : 508 scan ext 1/8                         Inst    : Instrumen
Misc      : January 10, 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
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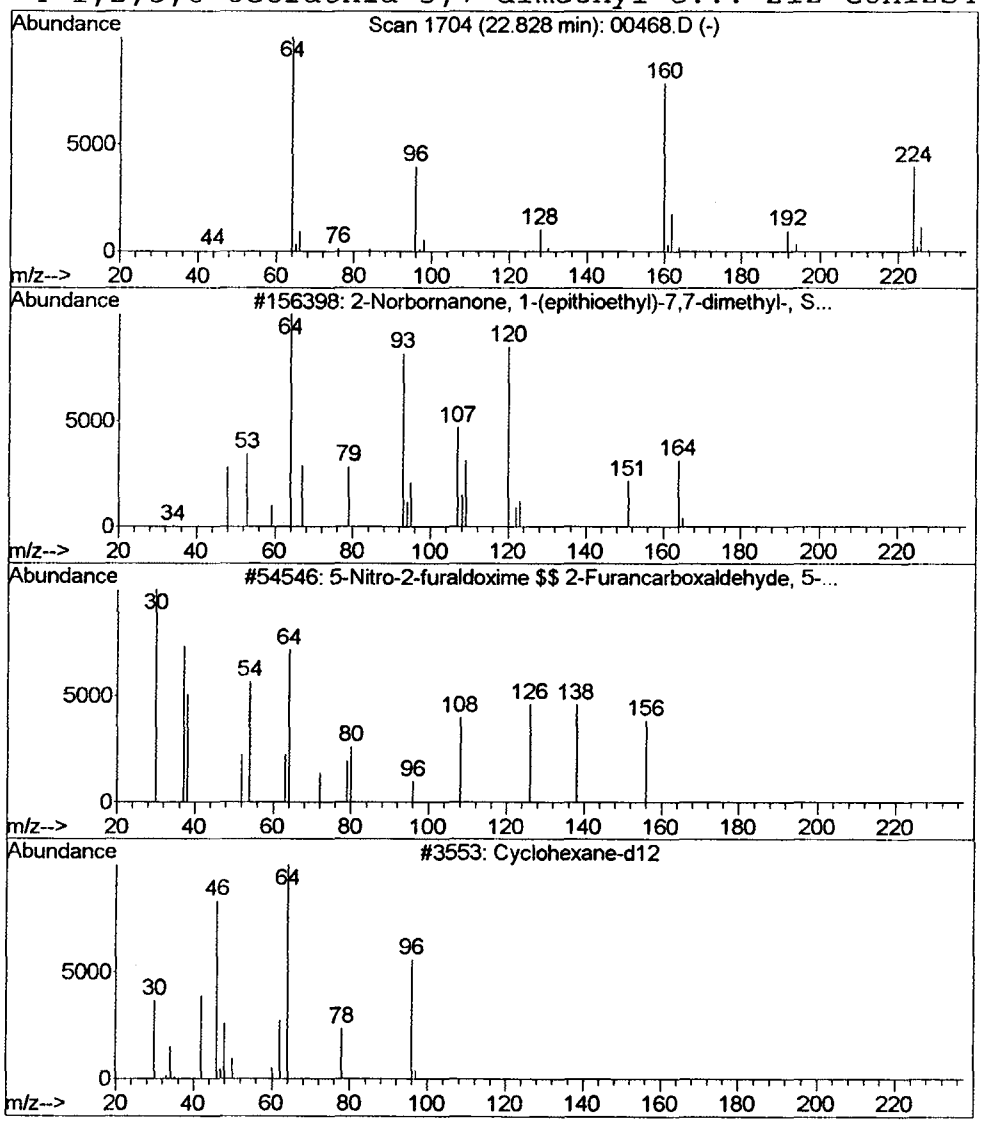
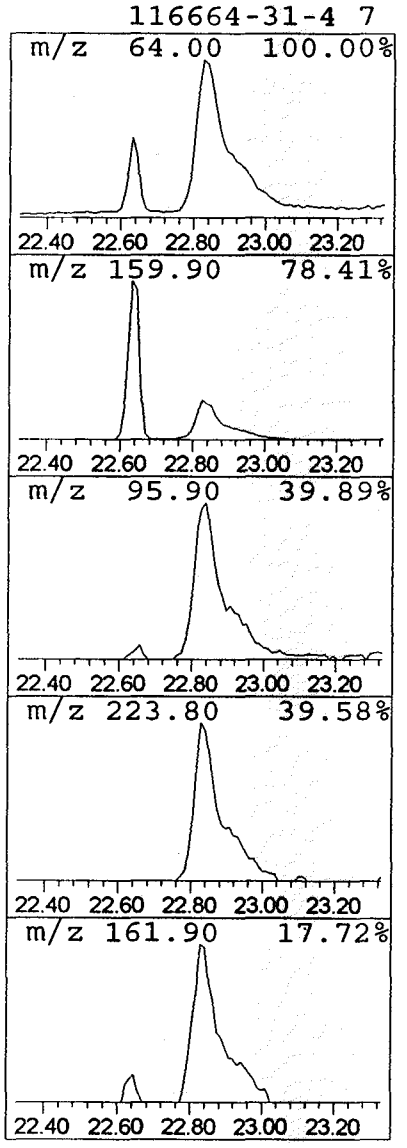
Peak Number 7 2-Norbornanone, 1-(epithioe... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.83	2.21 ug/L	1205380	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	28
2	5-Nitro-2-furaldoxime $$ 2-Furan...	156	C5H4N2O4	000555-15-7	7
3	Cyclohexane-d12	96	C6D12	001735-17-7	7
4	1,2,5,6-tetrathia-3,7-dimethyl-c...	212	C6H12S4	116664-31-4	7





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Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D          Vial: 5
Acq On    : 10 Jan 2002    6:07 pm                   Operator:
Sample    : 508 scan ext 1/8                         Inst    : Instrumen
Misc      : January 10, 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
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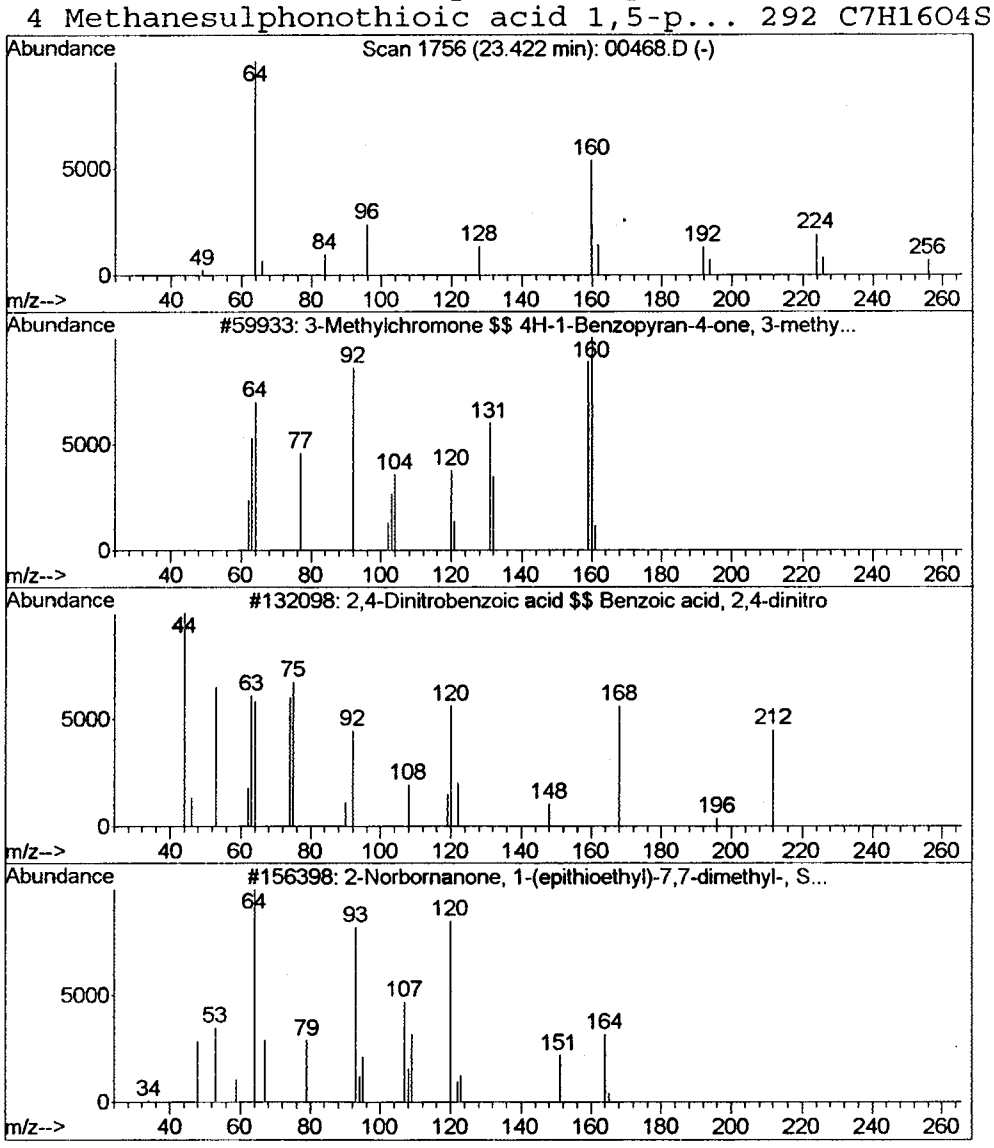
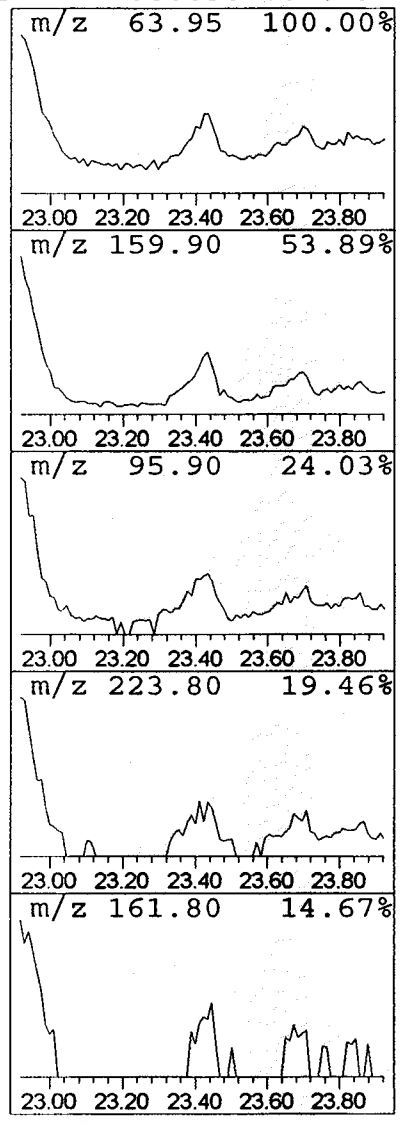
Peak Number 8 3-Methylchromone $$ 4H-1-Be... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.42	0.18 ug/L	97397	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylchromone $$ 4H-1-Benzopy...	160	C10H8O2	000085-90-5	64
2	2,4-Dinitrobenzoic acid $$ Benzo...	212	C7H4N2O6	000610-30-0	36
3	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	36
4	Methanesulphonothioic acid 1,5-p...	292	C7H16O4S4	000056-00-8	9

NO GOOD MATCH





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Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D          Vial: 5
Acq On    : 10 Jan 2002    6:07 pm                   Operator:
Sample    : 508 scan ext 1/8                         Inst    : Instrumen
Misc      : January 10, 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
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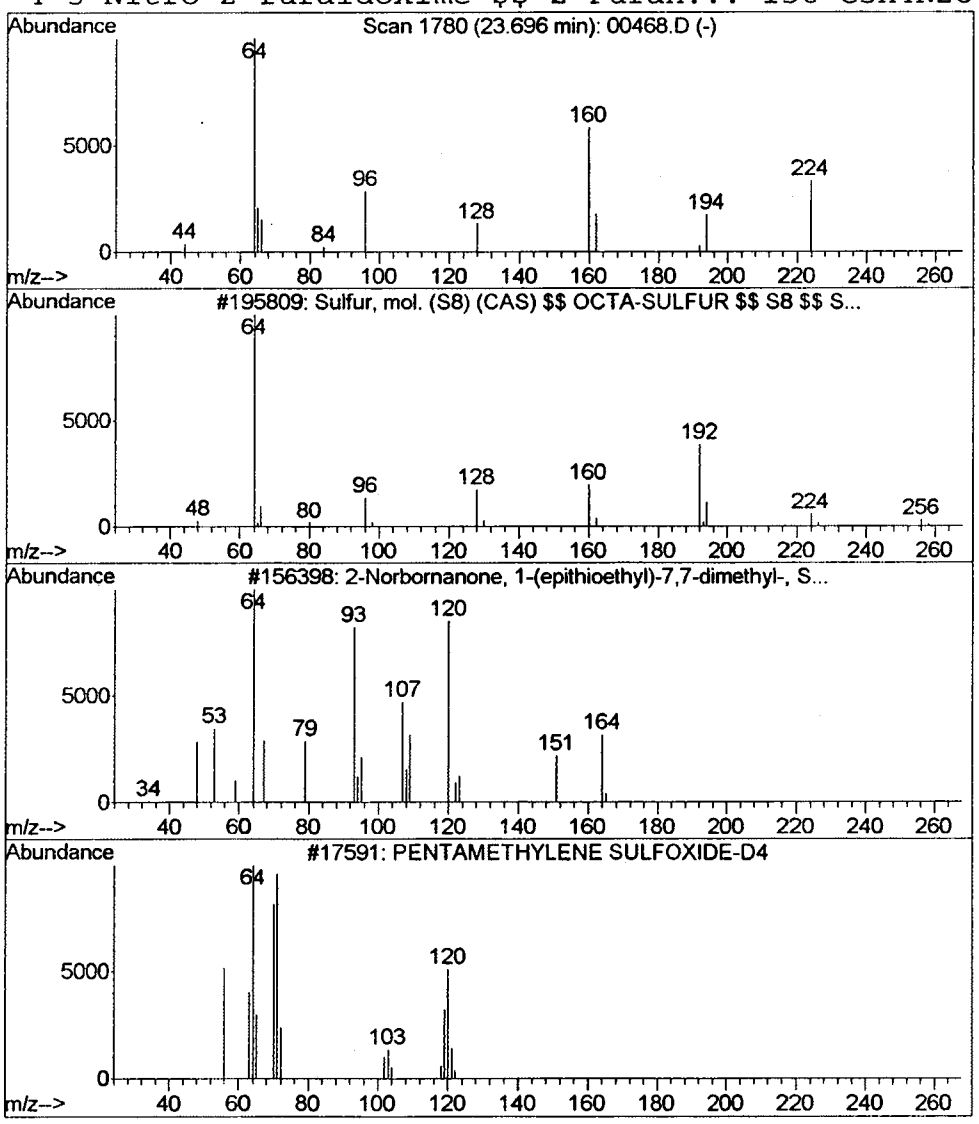
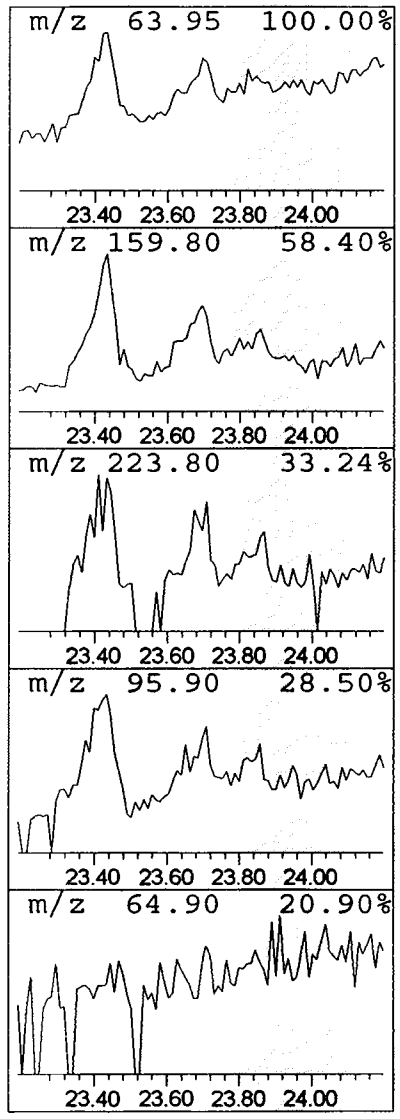
Peak Number 9 Sulfur, mol. (S8) (CAS) $$ ... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.70	0.15 ug/L	79691	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	40
2	2-Norbornanone, 1-(epithioethyl)...	228	C11H16O3S	001782-93-0	36
3	PENTAMETHYLENE SULFOXIDE-D4	122	C5H6D4OS	000000-00-0	9
4	5-Nitro-2-furaldoxime $$ 2-Furan...	156	C5H4N2O4	000555-15-7	7





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Acq On    : 10 Jan 2002    6:07 pm                    Operator:
Sample    : 508 scan ext 1/8                          Inst    : Instrumen
Misc      : January 10, 2002                          Multiplr: 1.00
MS Integration Params: LSCINT.P

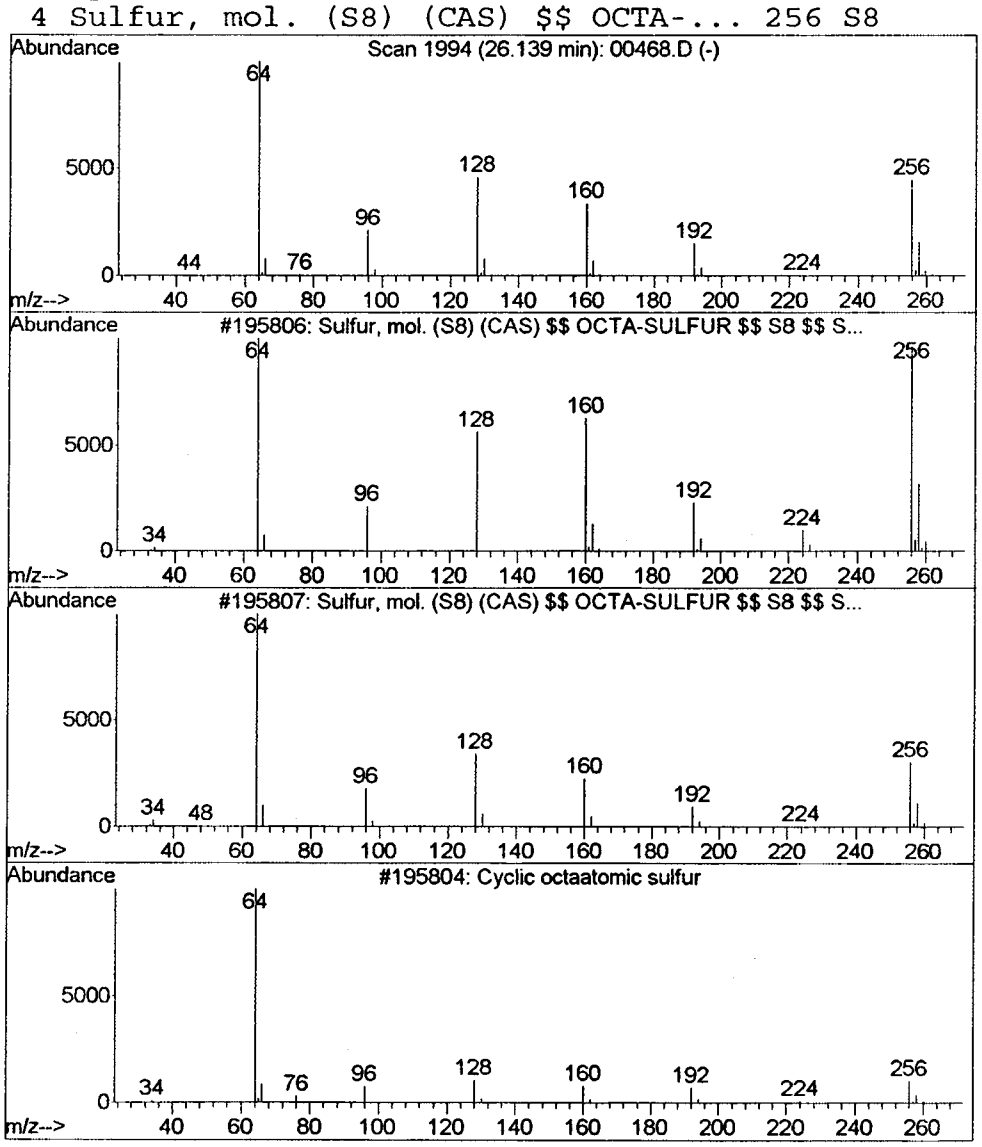
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title        : 508 scan method
Library      : C:\DATABASE\WILEY7N.L
```

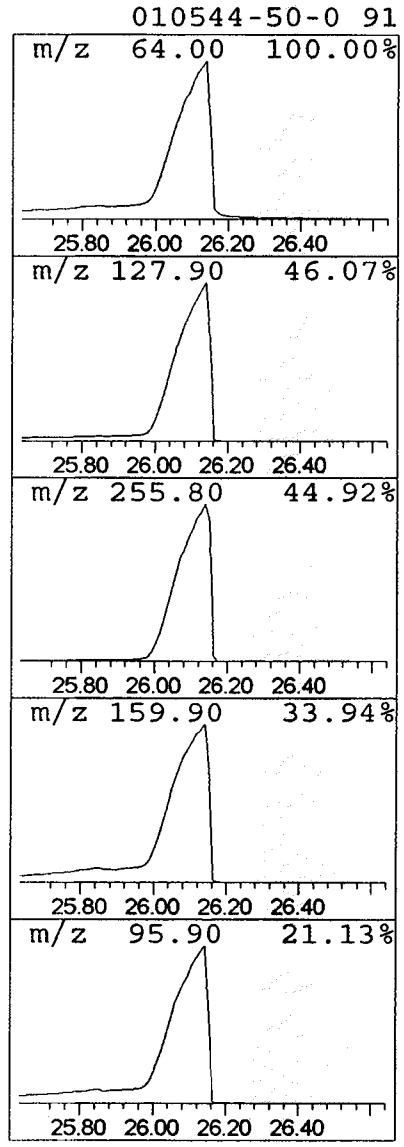
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.14	84.90 ug/L	46345700	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	97
2	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	97
3	Cyclic octaatomic sulfur	256	S8	010544-50-0	91
4	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	91





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Data File : C:\MSDCHEM\1\5973N\02JAN10\00468.D          Vial: 5
Acq On    : 10 Jan 2002    6:07 pm                   Operator:
Sample    : 508 scan ext 1/8                         Inst    : Instrumen
Misc      : January 10, 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
```

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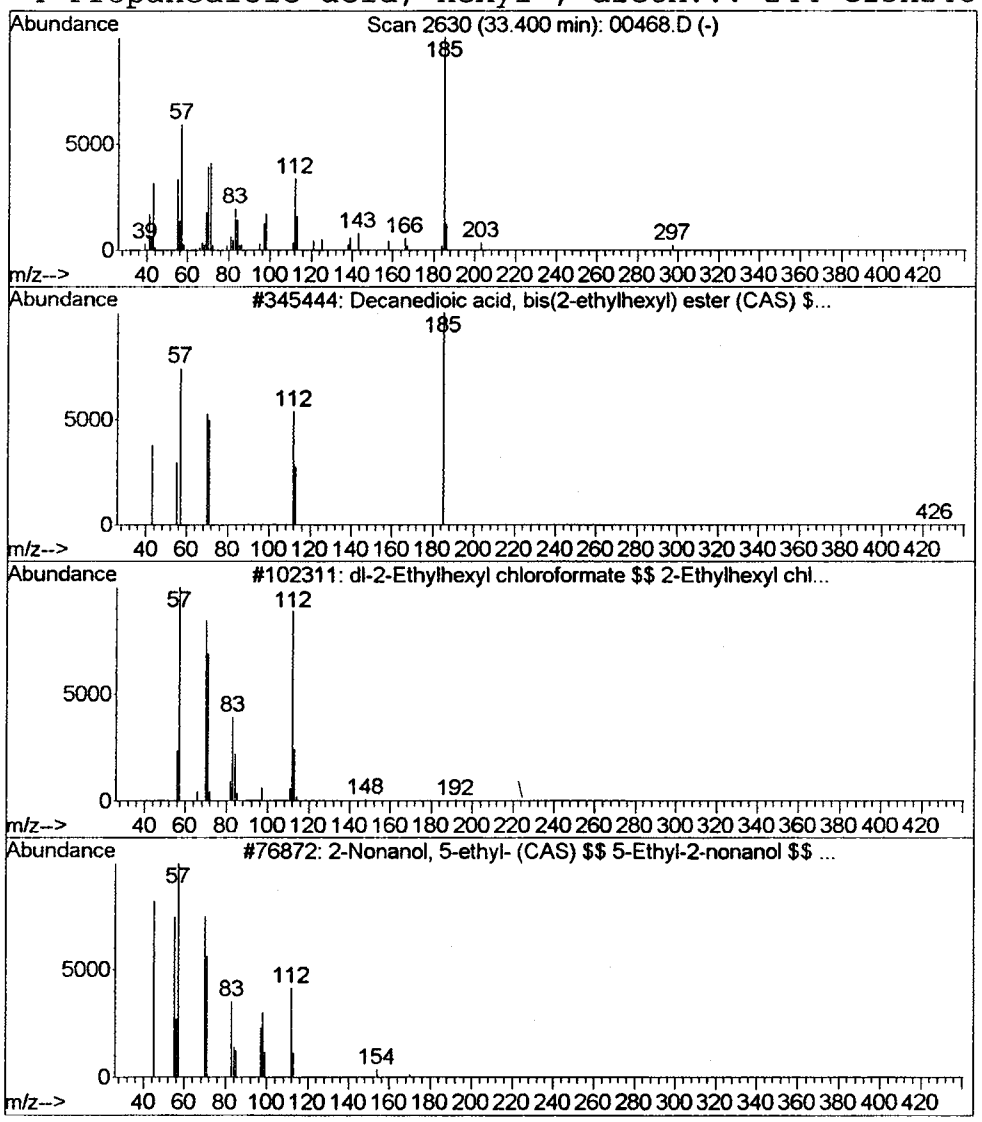
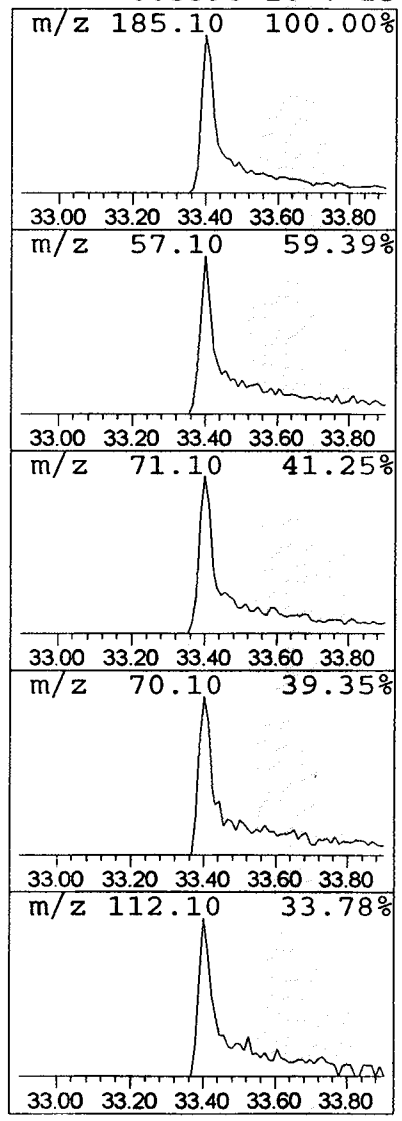
Peak Number 11 Decanedioic acid, bis(2-eth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.40	1.09 ug/L	515064	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanedioic acid, bis(2-ethylhex...	426	C26H50O4	000122-62-3	59
2	dl-2-Ethylhexyl chloroformate $$...	192	C9H17ClO2	024468-13-1	43
3	2-Nonanol, 5-ethyl- (CAS) $$ 5-E...	172	C11H24O	000103-08-2	38
4	Propanedioic acid, hexyl-, dieth...	244	C13H24O4	005398-10-7	25

NO GOOD MATCH





Operator ID: Date Acquired: 10 Jan 2002 6:07 pm
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Name: 508 scan ext 1/8
Misc: January 10, 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
Acetic acid, 3-[1...	5.89	4.0	ug/L	1338080	1	9.72	6665000	20.0
2-Propanol, 1-(2-...	9.54	0.2	ug/L	59307	1	9.72	6665000	20.0
2-Propanol, 1-(2-...	9.63	0.2	ug/L	67114	1	9.72	6665000	20.0
2-Propanol, 1-(2-...	9.85	0.3	ug/L	108727	1	9.72	6665000	20.0
5-Nitro-2-furaldo...	18.73	1.0	ug/L	529744	3	18.34	10247400	20.0
3-Cyanocarbazole ...	22.28	0.2	ug/L	84948	4	22.63	10917400	20.0
2-Norbornanone, 1...	22.83	2.2	ug/L	1205380	4	22.63	10917400	20.0
3-Methylchromone ...	23.42	0.2	ug/L	97397	4	22.63	10917400	20.0
Sulfur, mol. (S8)...	23.70	0.1	ug/L	79691	4	22.63	10917400	20.0
Sulfur, mol. (S8)...	26.14	84.9	ug/L	46345700	4	22.63	10917400	20.0
Decanedioic acid,...	33.40	1.1	ug/L	515064	6	34.42	9408960	20.0