User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/17/2002 Time: 15:51:29

Sample: AE00560
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/17/02 15:50 Ended: 1/17/02 15:50 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		86		5.0

Comments for Sample AE00560 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-17-2002 Time: 15:52:14

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 8 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D Vial: 4
Acq On : 15 Jan 2002 4:00 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 16 08:13:09 2002 Quant Results File: SCAN508.RES

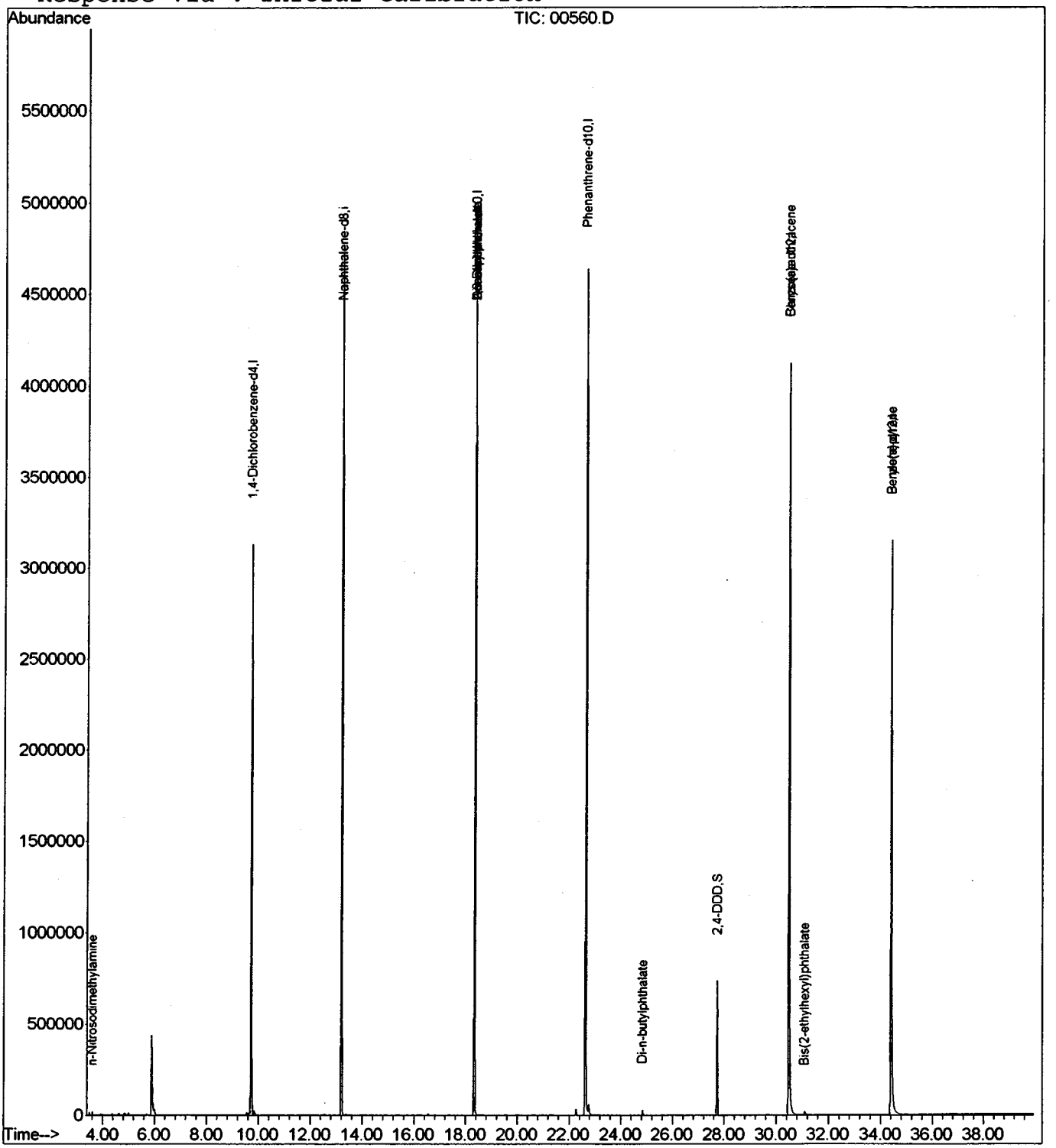
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1072014	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4592888	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2398957	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4018103	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3487061	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2366377	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	274548	4.32	ug/L	0.00
Spiked Amount 5.000			Recovery = 86.40%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.61	74	8819	0.19	ug/L #	17
20) Dimethylphthalate	18.34	163	382525	2.41	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	298374	9.66	ug/L #	17
35) Di-n-butylphthalate	24.85	149	34995	0.14	ug/L	98
41) Benzo(a)anthracene	30.49	228	9112	0.04	ug/L #	65
42) Bis(2-ethylhexyl)phthalate	31.11	149	25738	0.70	ug/L	92
43) Chrysene	30.49	228	11919	0.06	ug/L #	63
48) Benzo(a)pyrene	34.42	252	9215	0.06	ug/L #	1

(#) = qualifier out of range (m) = manual integration
00560.D SCAN508.M Wed Jan 16 08:13:09 2002 Page 1

Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D Vial: 4
Acq On : 15 Jan 2002 4:00 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 16 8:13 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



Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D Vial: 4
Acq On : 15 Jan 2002 4:00 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 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

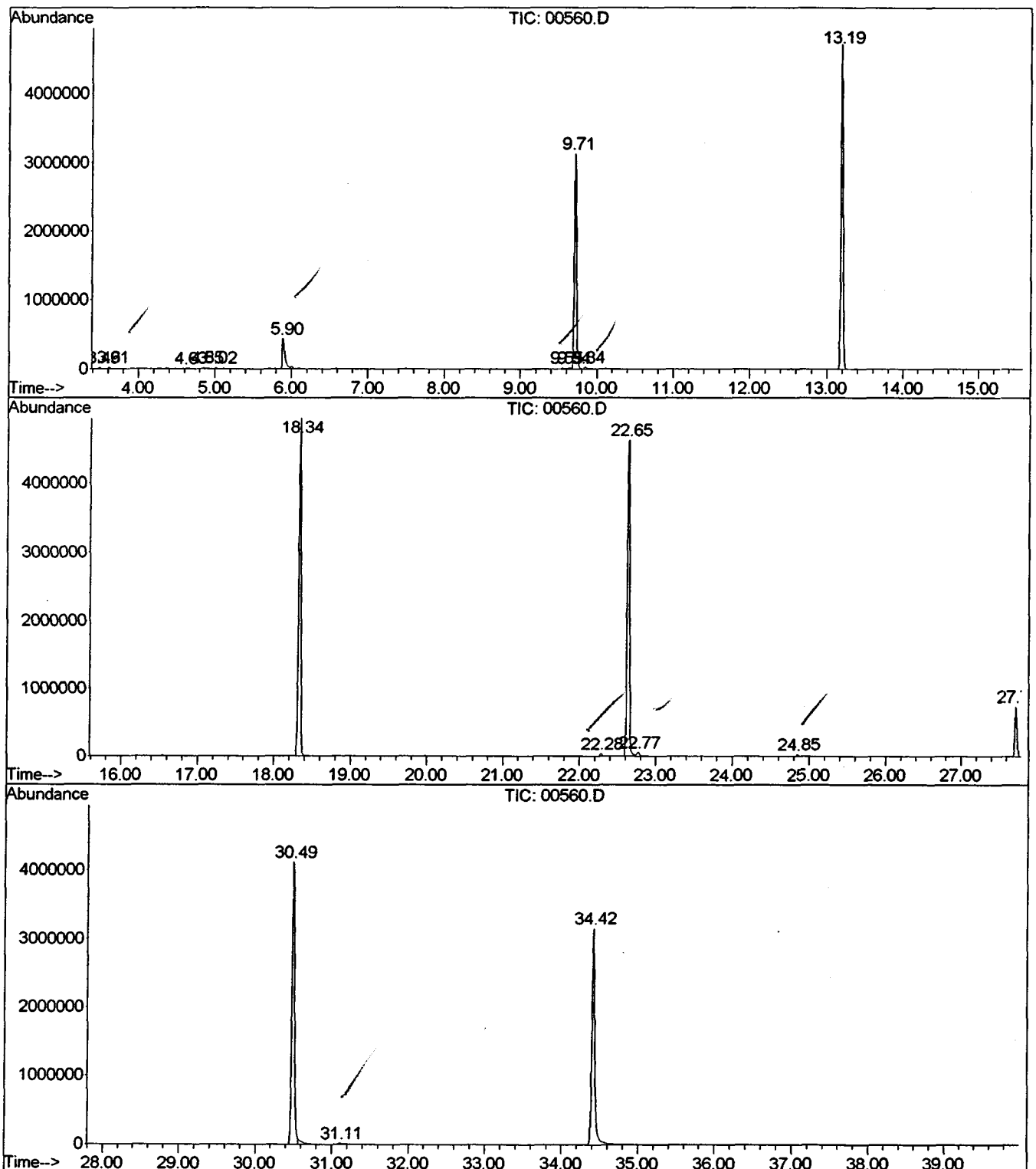
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.488	7	10	15	rVB	17109	24748	0.23%	0.044%
2	3.613	17	21	25	rVB	20772	37339	0.35%	0.066%
3	4.630	103	110	119	rVB4	12057	36406	0.34%	0.064%
4	4.846	125	129	141	rVV5	12126	40191	0.38%	0.071%
5	5.018	141	144	149	rVV2	13150	24261	0.23%	0.043%
6	5.897	217	221	229	rBV	437298	1041060	9.78%	1.843%
7	9.550	537	541	547	rBV	16937	44039	0.41%	0.078%
8	9.642	547	549	551	rVV	15363	35027	0.33%	0.062%
9	9.710	551	555	561	rVV	3130631	6147186	57.72%	10.883%
10	9.836	561	566	577	rVB	22762	70889	0.67%	0.126%
11	13.192	855	860	865	rBV	4727834	8808548	82.71%	15.595%
12	18.341	1305	1311	1315	rBV	4959231	9675784	90.86%	17.131%
13	22.280	1651	1656	1661	rVB2	35414	72702	0.68%	0.129%
14	22.645	1681	1688	1693	rBV2	4635641	10649308	100.00%	18.854%
15	22.771	1695	1699	1719	rVB	59025	174303	1.64%	0.309%
16	24.849	1877	1881	1887	rVB	29460	52407	0.49%	0.093%
17	27.726	2127	2133	2139	rBV	737416	1318968	12.39%	2.335%
18	30.489	2369	2375	2381	rBV2	4120018	10064948	94.51%	17.820%
19	31.105	2423	2429	2439	rVB3	17960	56428	0.53%	0.100%
20	34.416	2713	2719	2757	rBV	3150360	8107821	76.13%	14.355%

Sum of corrected areas: 56482363

File : C:\MSDCHEM\1\5973N\02JAN15\00560.D
Operator :
Acquired : 15 Jan 2002 4:00 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 15, 2002
Vial Number: 4
Quant File :SCAN508.RES (RTE Integrator)



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Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D          Vial: 4
Acq On    : 15 Jan 2002    4:00 pm                   Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 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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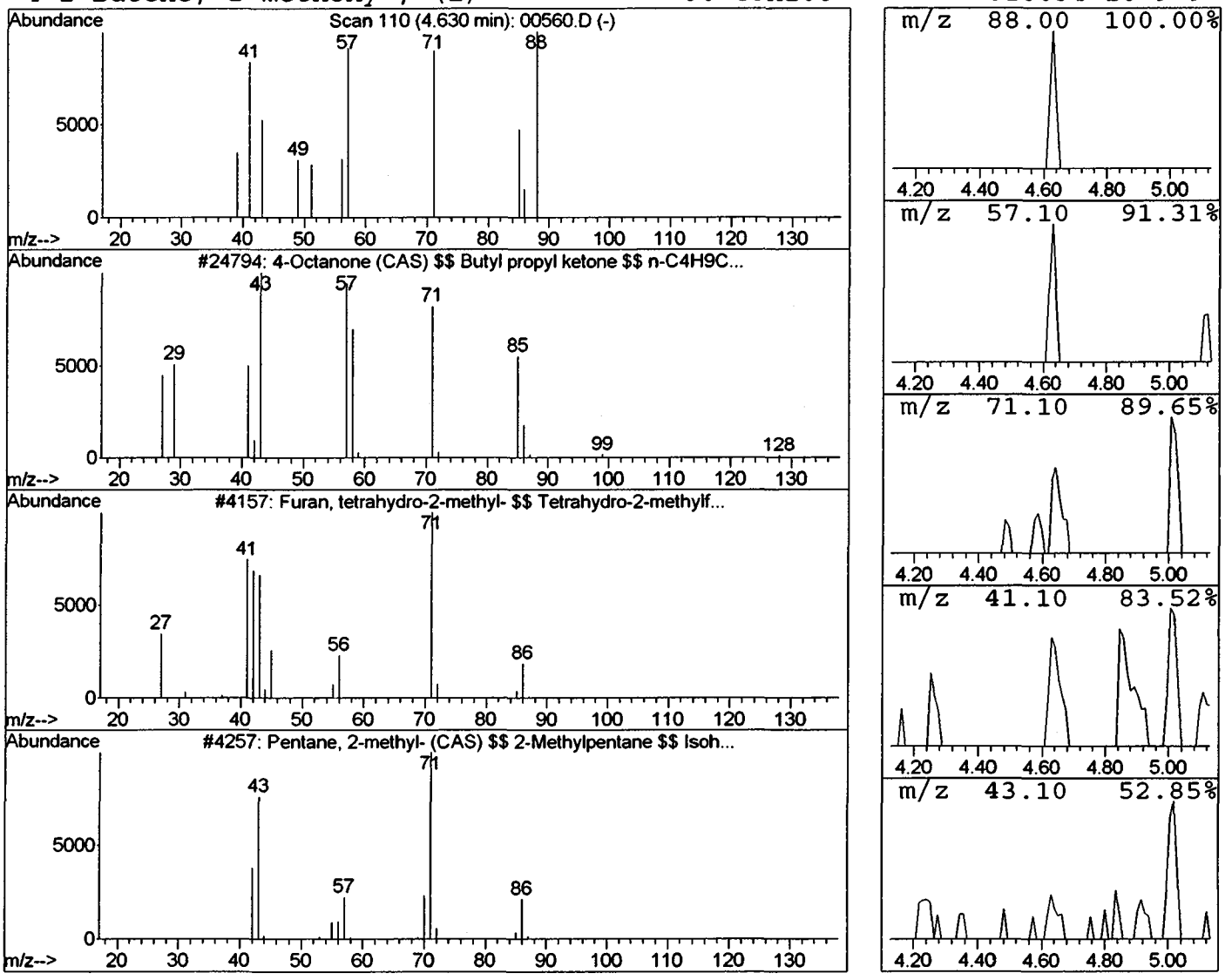
****

Peak Number 1 4-Octanone (CAS) $$ Butyl p... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.12 ug/L	36406	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octanone (CAS) $$ Butyl propyl...	128	C8H16O	000589-63-9	25
2	Furan, tetrahydro-2-methyl- $$ T...	86	C5H10O	000096-47-9	10
3	Pentane, 2-methyl- (CAS) $$ 2-Me...	86	C6H14	000107-83-5	9
4	2-Butene, 1-methoxy-, (Z)-	86	C5H10O	010034-16-9	9



Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D Vial: 4
Acq On : 15 Jan 2002 4:00 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 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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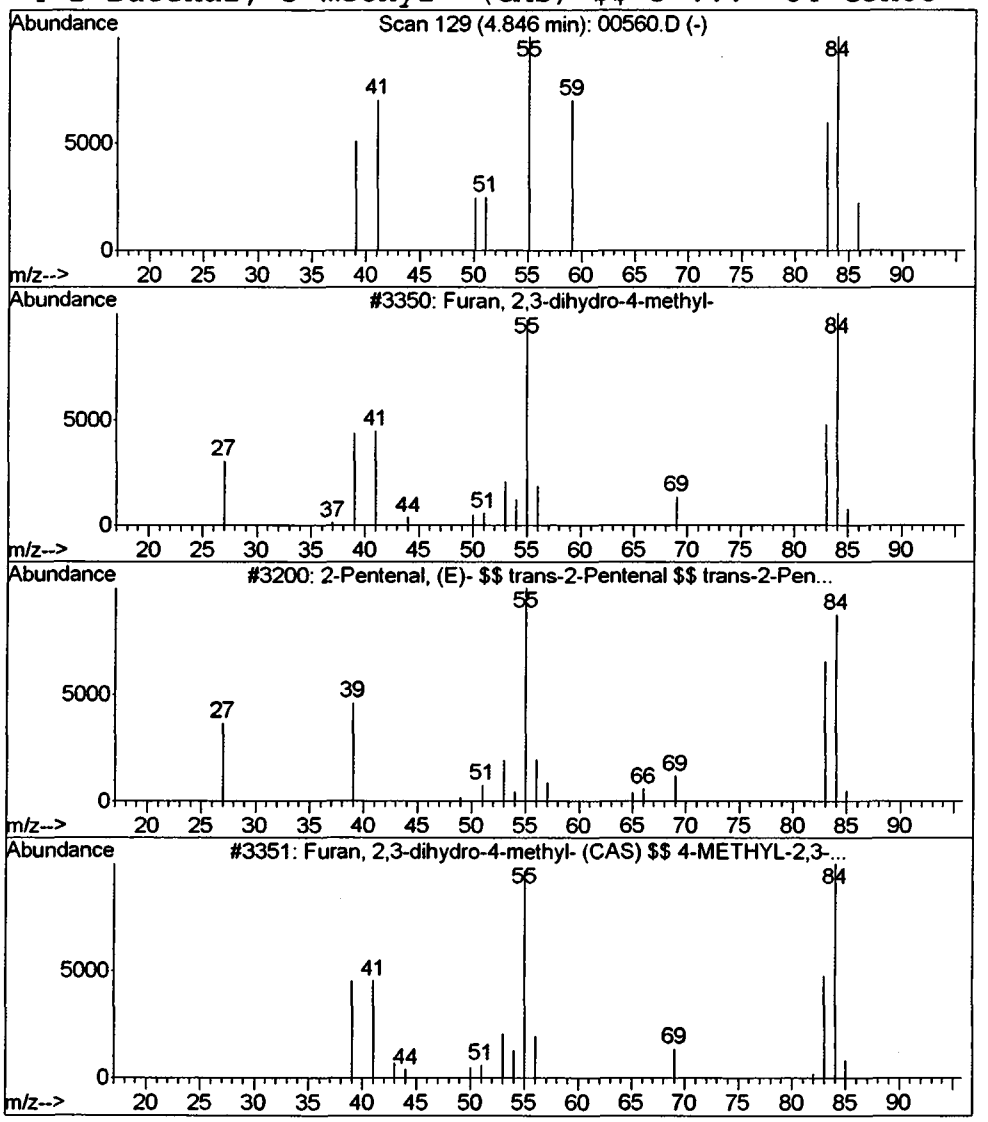
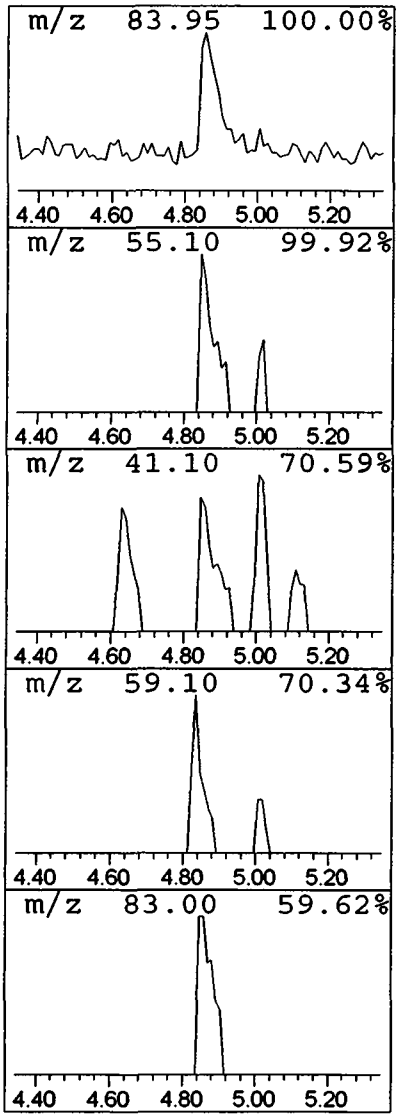
Peak Number 2 Furan, 2,3-dihydro-4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.13 ug/L	40191	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	52
2	2-Pentenal, (E)- $$ trans-2-Pent...	84	C5H8O	001576-87-0	50
3	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	50
4	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	50





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Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D          Vial: 4
Acq On    : 15 Jan 2002    4:00 pm                   Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 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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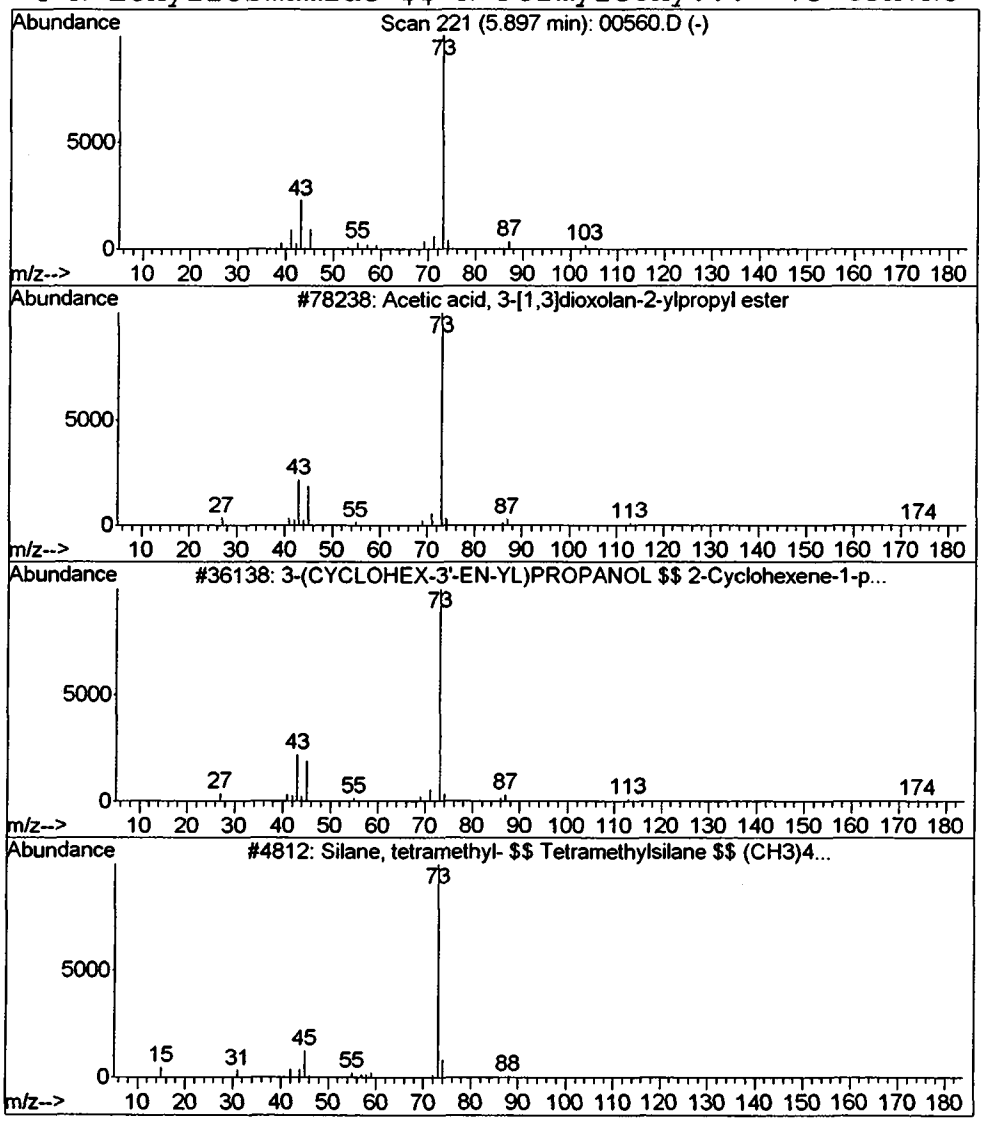
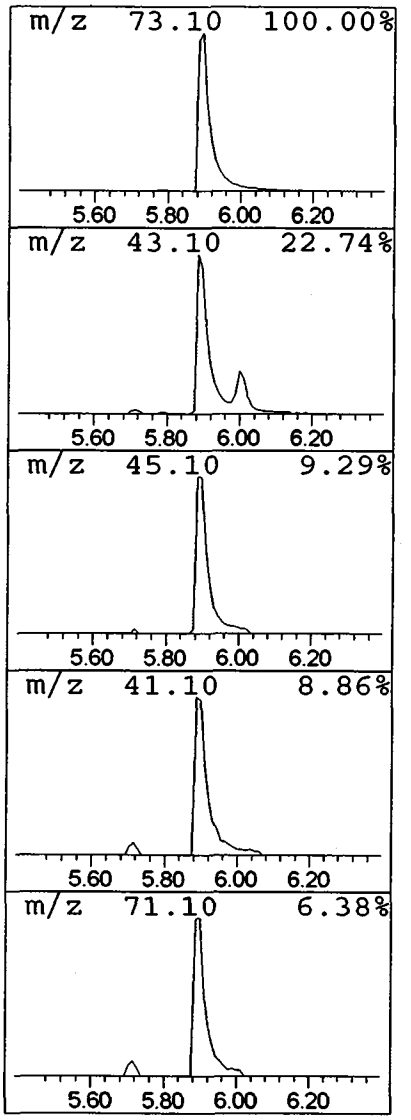
Peak Number 3 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	3.39 ug/L	1041060	1,4-Dichlorobenzene-d4	9.71

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 $$...	174	C8H14O4	015745-87-6	33
3	Silane, tetramethyl- $$ Tetramet...	88	C4H12Si	000075-76-3	25
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D Vial: 4
Acq On : 15 Jan 2002 4:00 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 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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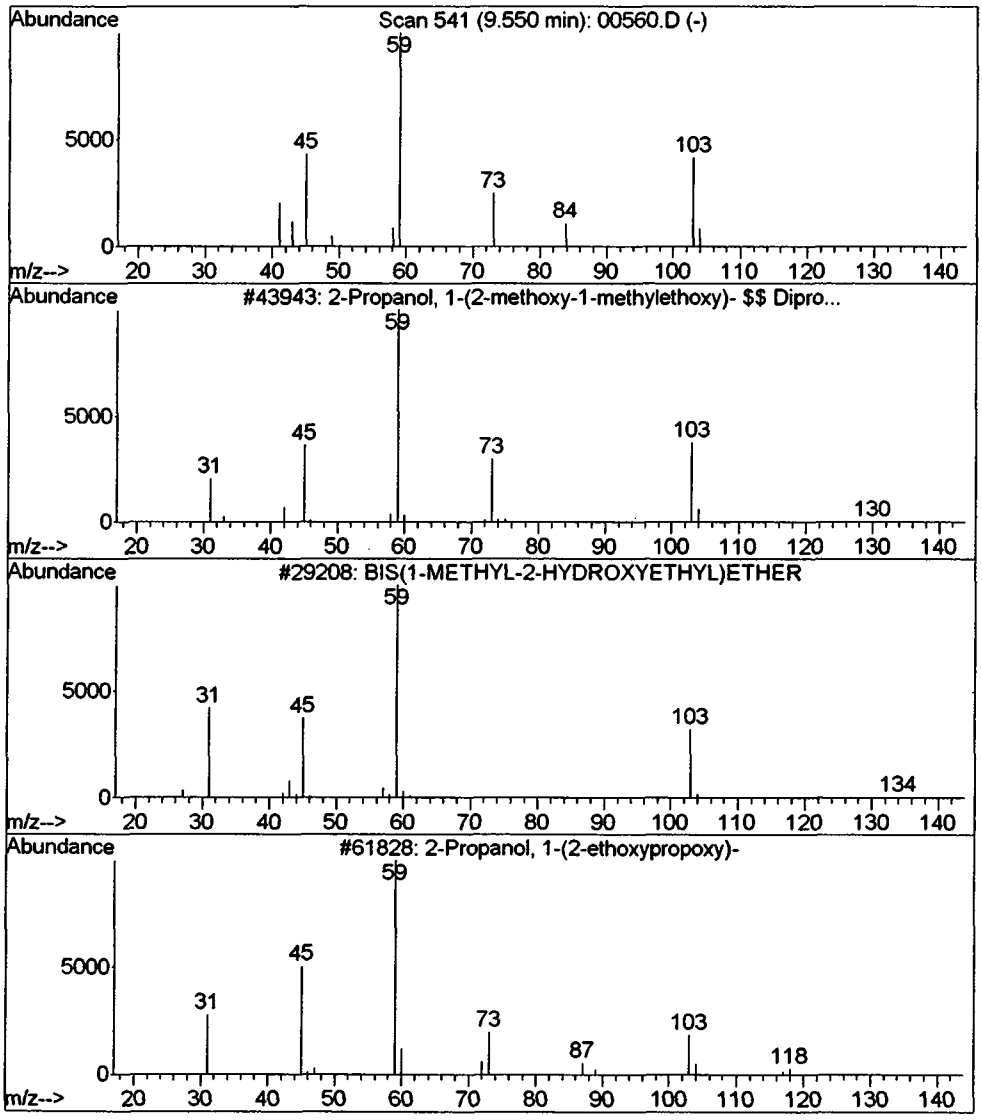
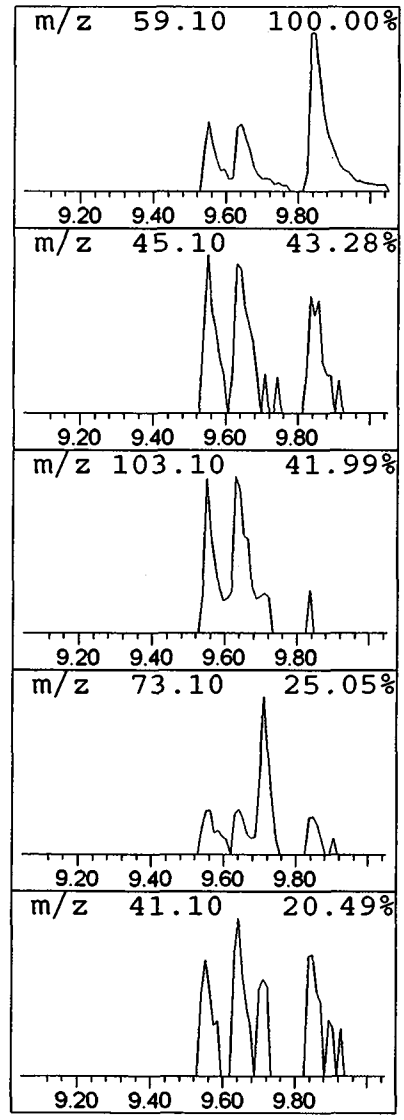
Peak Number 4 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	0.14 ug/L	44039	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64
2	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	9
3	2-Propanol, 1-(2-ethoxypropoxy)-	162	C8H18O3	010143-32-5	9
4	MIXTURE OF: 5-METHOXY-3-PENTEN-2...	116	C6H12O2	072649-04-8	9





Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D Vial: 4
Acq On : 15 Jan 2002 4:00 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 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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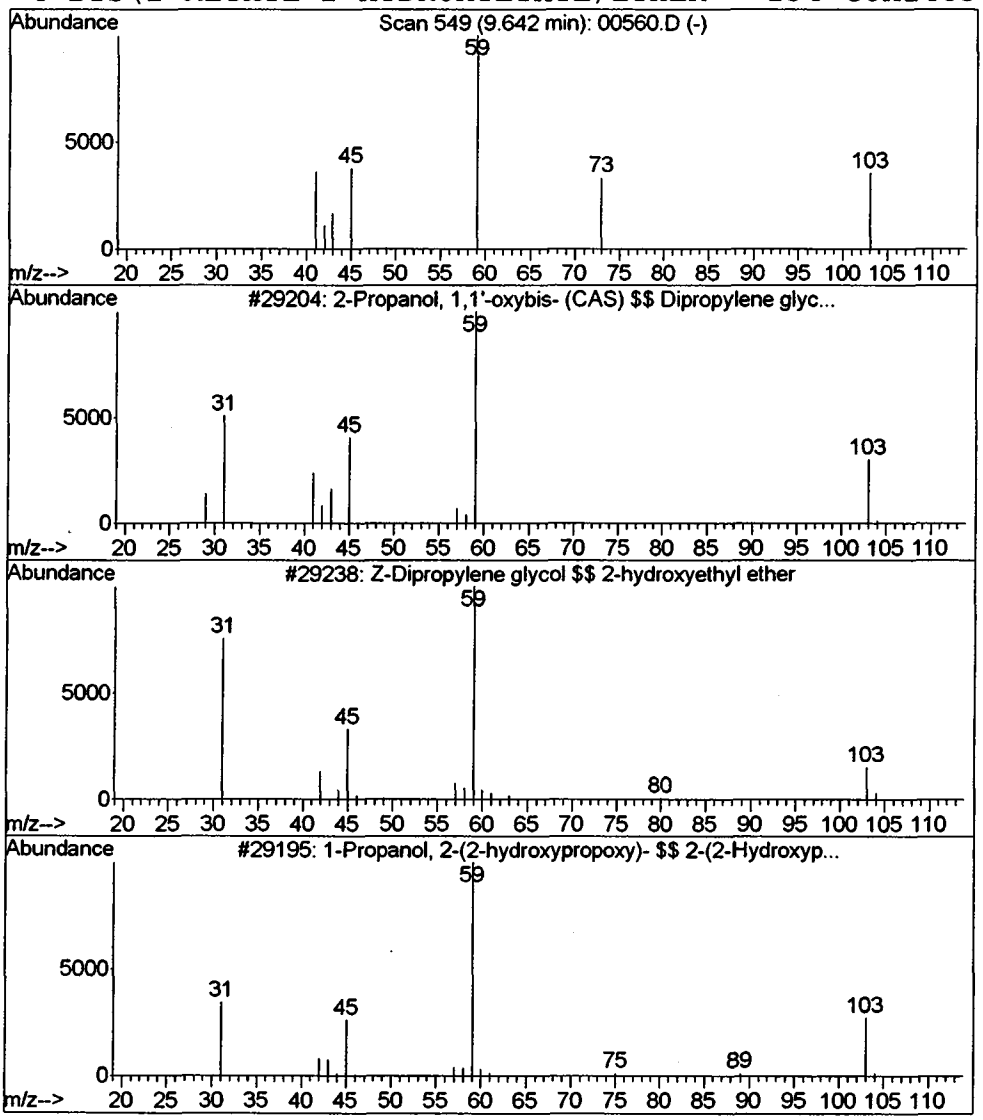
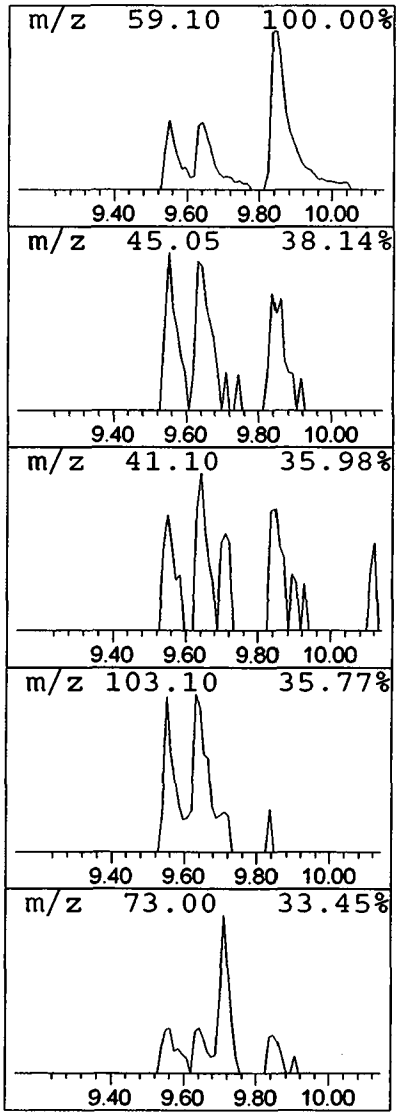
Peak Number 5 2-Propanol, 1,1'-oxybis- (C... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	0.11 ug/L	35027	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	40
2	Z-Dipropylene glycol $$ 2-hydrox...	134	C6H14O3	000000-00-0	9
3	1-Propanol, 2-(2-hydroxypropoxy)...	134	C6H14O3	000106-62-7	9
4	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	9





Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D Vial: 4
Acq On : 15 Jan 2002 4:00 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

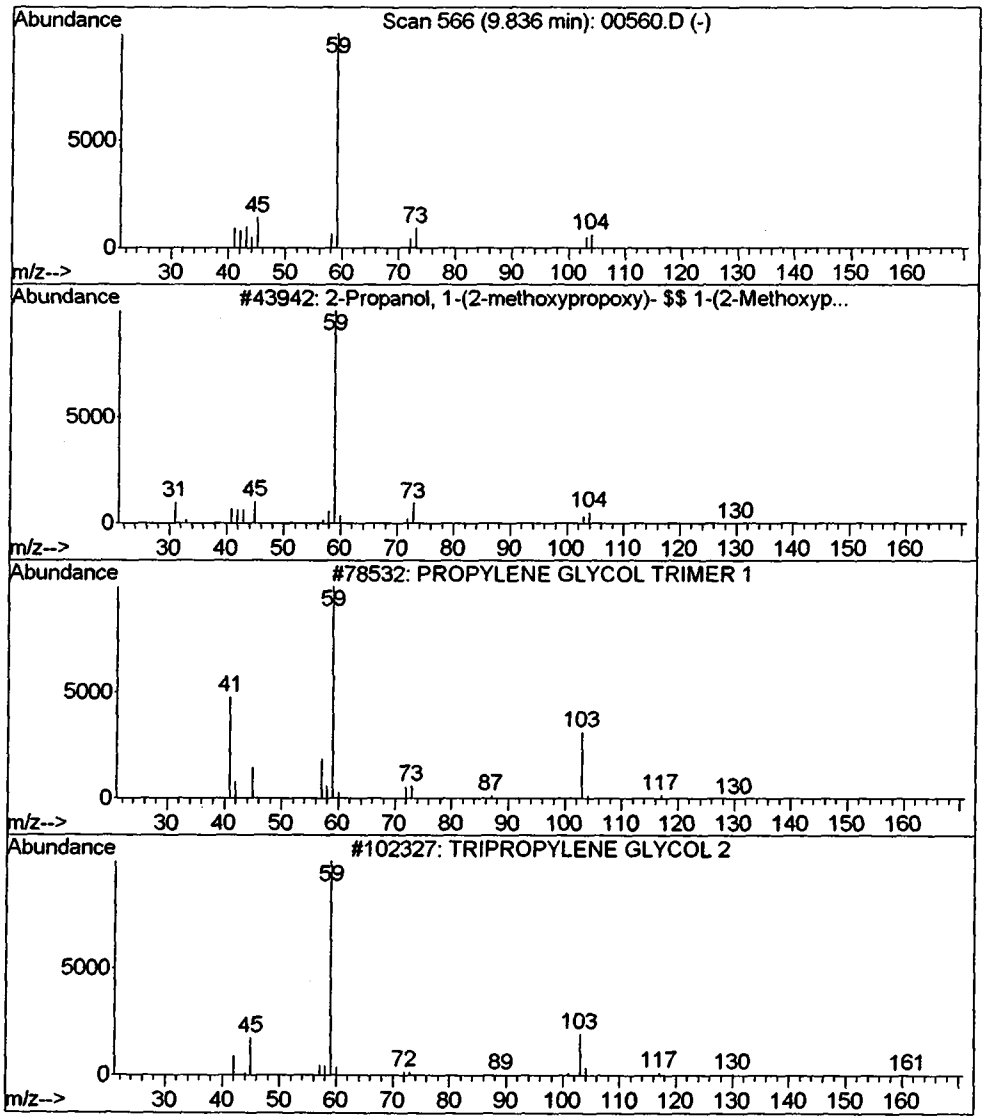
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

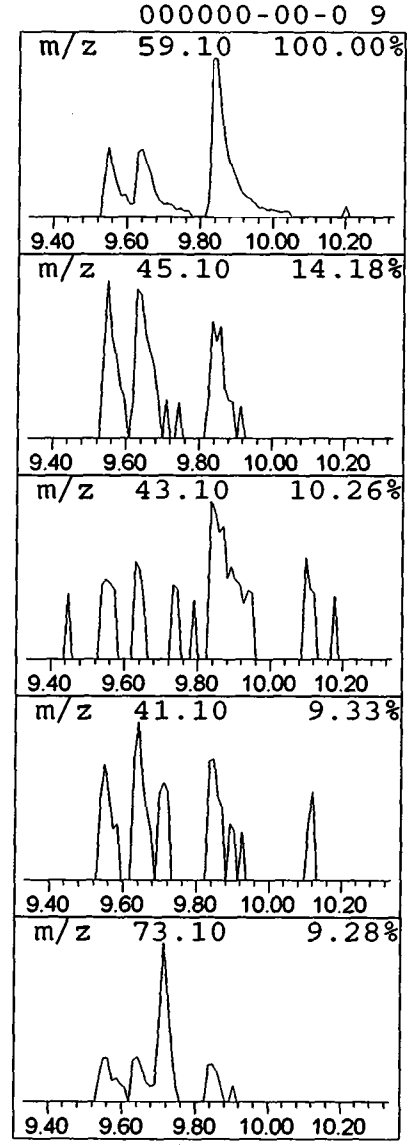
****

Peak Number 6 2-Propanol, 1-(2-methoxypro... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	0.23 ug/L	70889	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	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	64
3	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	9
4	TRIPROPYLENE GLYCOL 1	192	C9H20O4	000000-00-0	9





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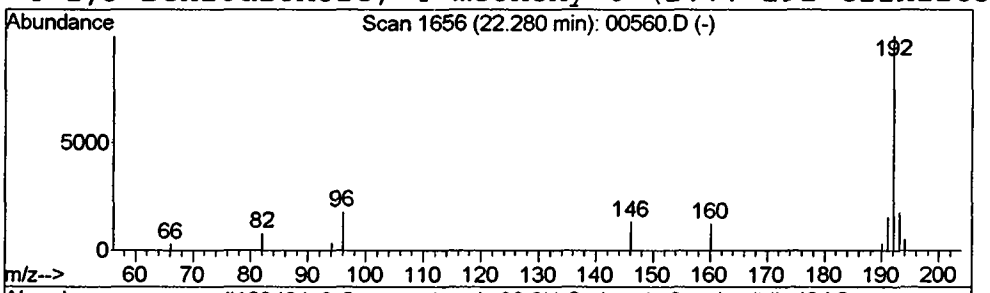
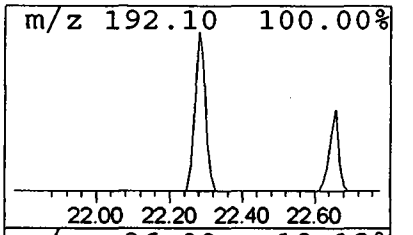
Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D          Vial: 4
Acq On    : 15 Jan 2002    4:00 pm                   Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 2002                         Multiplr: 1.00
MS Integration Params: LSCINT.P

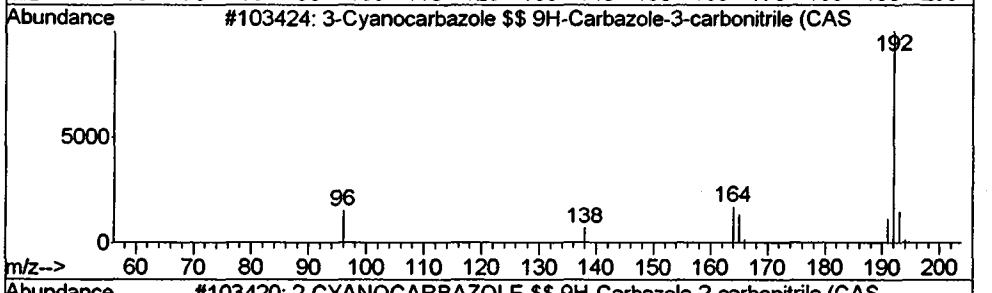
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title        : 508 scan method
Library      : C:\DATABASE\WILEY7N.L
**********************************************************************
Peak Number  7  3-Cyanocarbazole $$ 9H-Carb...  Concentration Rank  5
```

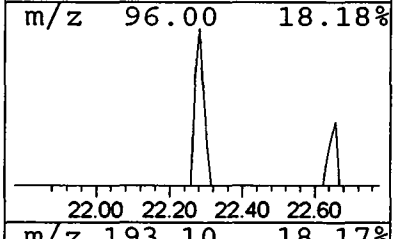
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	72702	Phenanthrene-d10	22.63

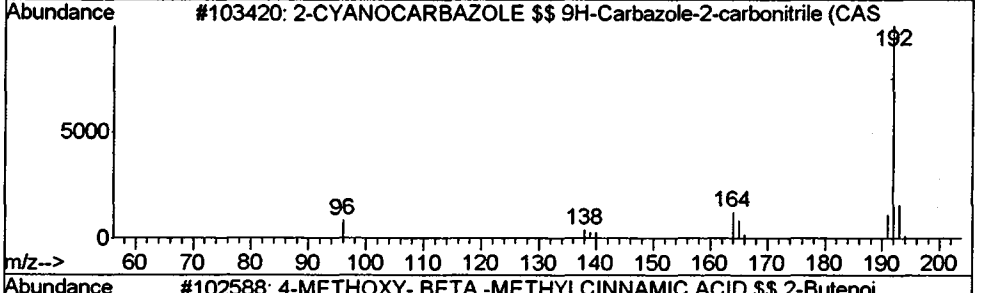
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	72
2	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	72
3	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
4	1,3-Benzodioxole, 4-methoxy-6-(2...	192	C11H12O3	000607-91-0	59

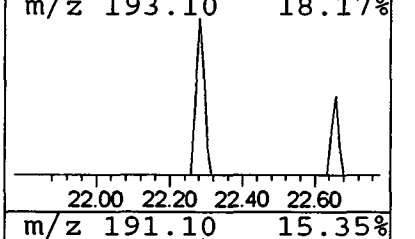


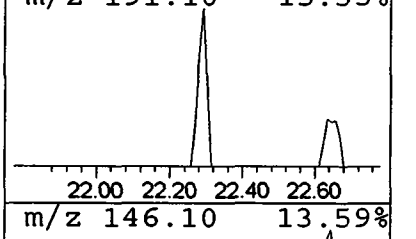


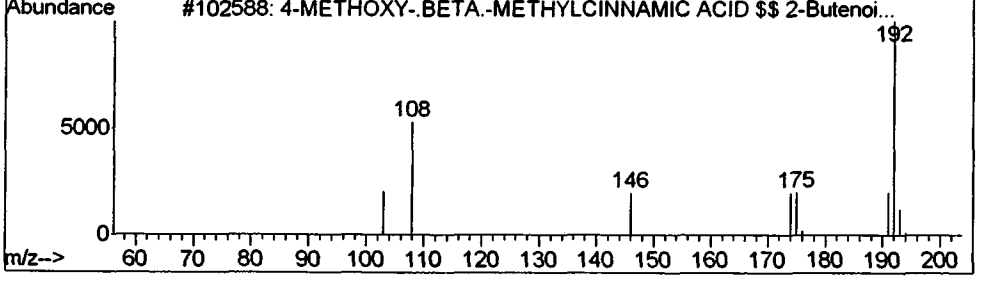


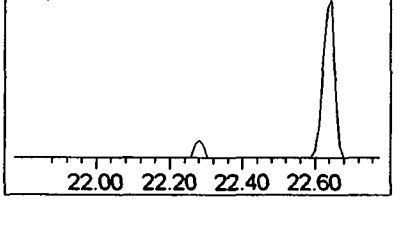












Data File : C:\MSDCHEM\1\5973N\02JAN15\00560.D Vial: 4
Acq On : 15 Jan 2002 4:00 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

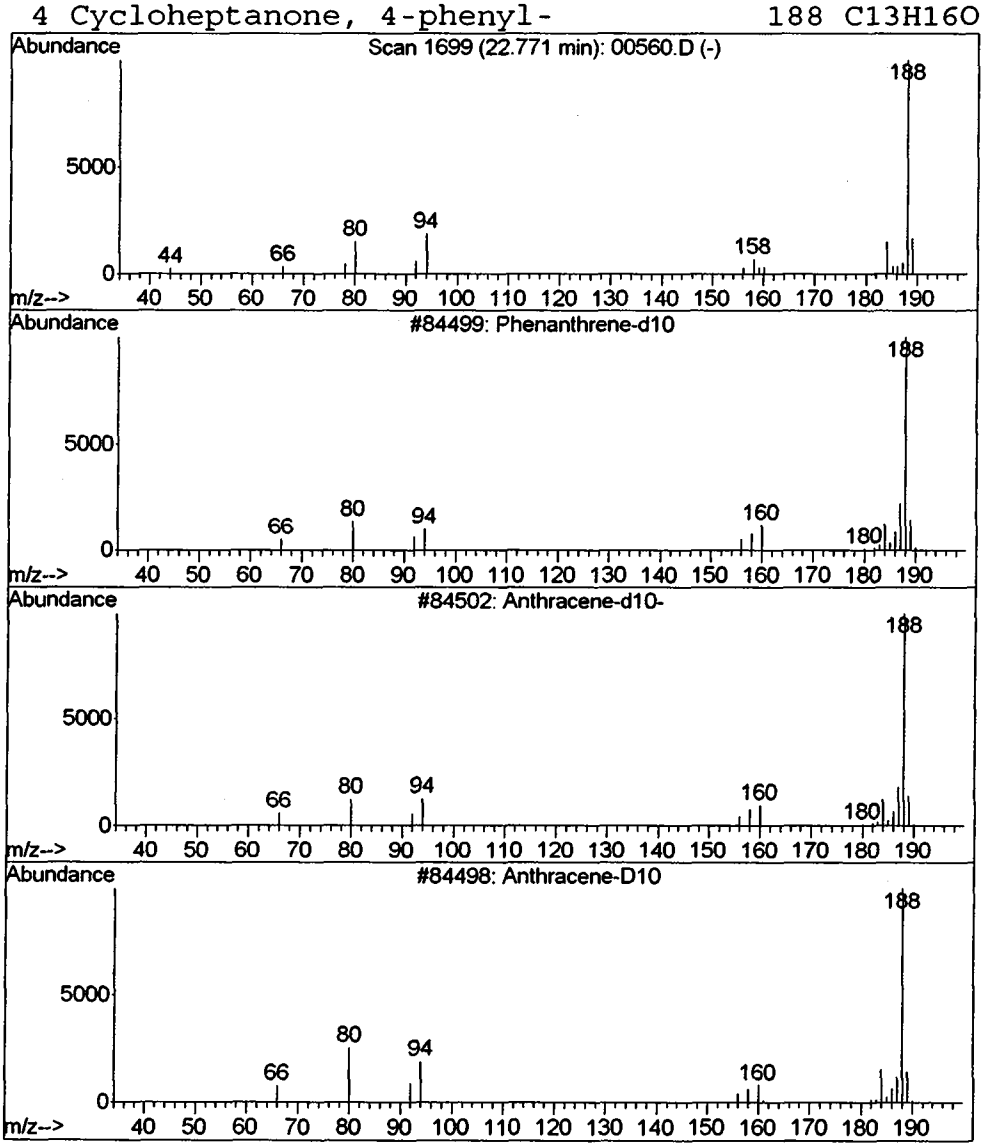
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

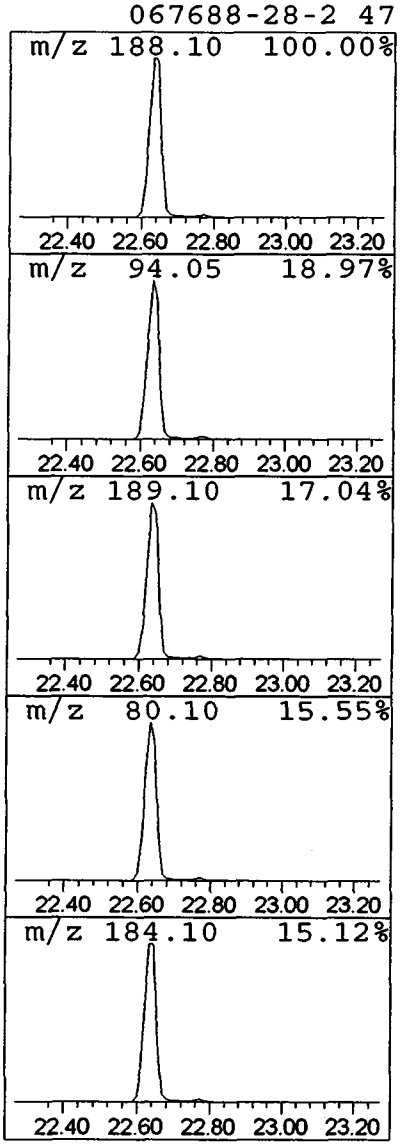
****

Peak Number 8 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.33 ug/L	174303	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	86
2	Anthracene-d10-	188	C14D10	001719-06-8	78
3	Anthracene-D10	188	C14D10	000000-00-0	78
4	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	47





Operator ID: Date Acquired: 15 Jan 2002 4:00 pm
Data File: C:\MSDCHEM\1\5973N\02JAN15\00560.D
Name: 508 scan
Misc: January 15, 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
4-Octanone (CAS) ...	4.63	0.1	ug/L	36406	1	9.71	6147190	20.0
Furan, 2,3-dihydr...	4.85	0.1	ug/L	40191	1	9.71	6147190	20.0
Acetic acid, 3-[1...	5.90	3.4	ug/L	1041060	1	9.71	6147190	20.0
2-Propanol, 1-(2-...	9.55	0.1	ug/L	44039	1	9.71	6147190	20.0
2-Propanol, 1,1'-...	9.64	0.1	ug/L	35027	1	9.71	6147190	20.0
2-Propanol, 1-(2-...	9.84	0.2	ug/L	70889	1	9.71	6147190	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	72702	4	22.63	10649300	20.0
Phenanthrene-d10	22.77	0.3	ug/L	174303	4	22.63	10649300	20.0