User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 16:04:02

Sample: AE00277
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 16:02 Ended: 1/10/02 16:02 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		104		5.0

Comments for Sample AE00277 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 16:07:08

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:27 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 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	1546159	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	6772085	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3638371	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	5949843	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	5001797	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	3597846	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	488057	5.19	ug/L	0.00
Spiked Amount 5.000			Recovery = 103.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.60	74	15223	0.23	ug/L #	14
3) bis (2-Chloroethyl) ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis (1-Chloropropa	0.00	45	0	N.D.		
8) N-nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis (2-Chloroethoxy) metha	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	18.34	163	580141	2.41	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	458421	9.78	ug/L #	17
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	0.00	77	0	N.D.		
30) N-nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	22.69	178	7119	0.02	ug/L #	61
34) Anthracene	22.69	178	7119	0.02	ug/L #	62

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

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Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:27 2002 Quant Results File: SCAN508.RES

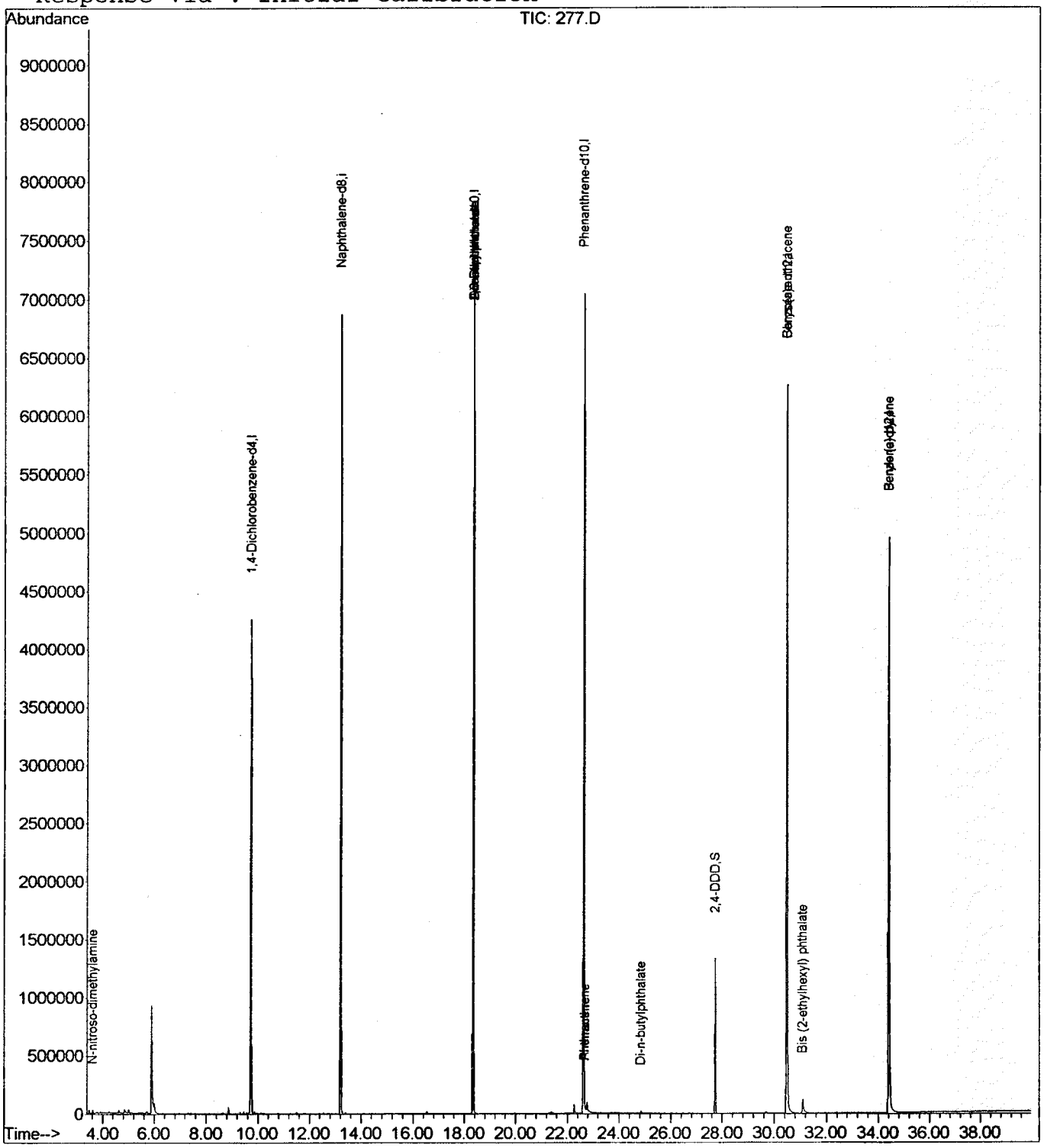
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
35)	Di-n-butylphthalate	24.85	149	21801	0.06	ug/L		94
36)	Fluoranthene	0.00	202	0	N.D.			
39)	Pyrene	0.00	202	0	N.D.			
40)	Butylbenzylphthalate	0.00	149	0	N.D.			
41)	Benzo(a)anthracene	30.49	228	13897	0.05	ug/L	#	65
42)	Bis (2-ethylhexyl) phthala	31.11	149	121203	1.04	ug/L		96
43)	Chrysene	30.49	228	13897	0.05	ug/L	#	62
45)	Di-n-octylphthalate	0.00	149	0	N.D.			
46)	Benzo (b) fluoranthene	0.00	252	0	N.D.			
47)	Benzo (k) fluoranthene	0.00	252	0	N.D.			
48)	Benzo (a) pyrene	34.42	252	13288	0.06	ug/L	#	1
49)	Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.			
50)	Dibenz (a,h) anthracene	0.00	278	0	N.D.			
51)	Benzo (g,h,i) perylene	0.00	276	0	N.D.			

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

Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 8:38 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 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

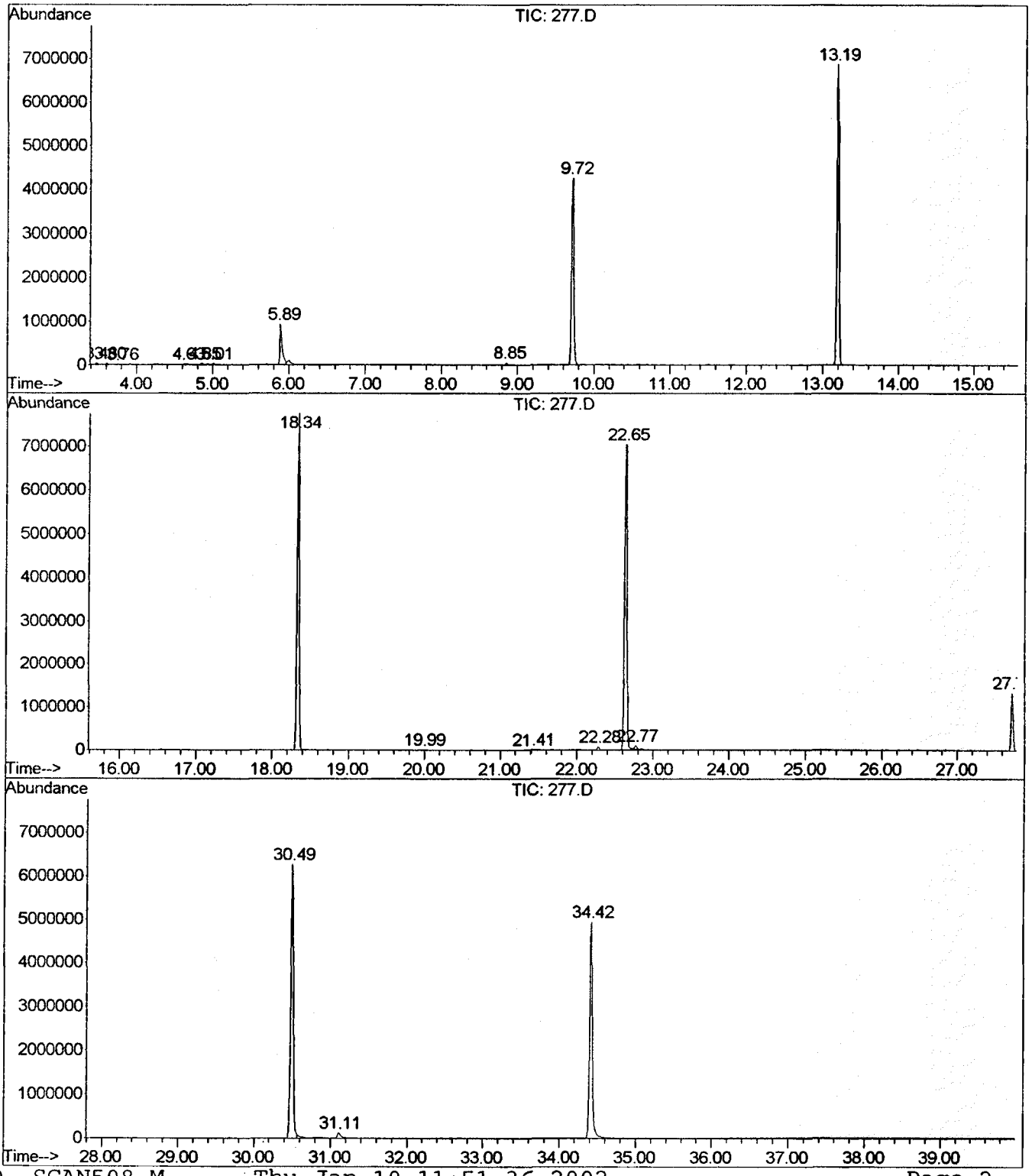
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.476	5	9	15	rVB	36177	74836	0.47%	0.088%
2	3.602	15	20	25	rBV2	34901	70434	0.45%	0.083%
3	3.762	25	34	39	rBV5	12233	59340	0.38%	0.070%
4	4.629	101	110	119	rBV4	21694	79776	0.51%	0.094%
5	4.846	125	129	141	rBV5	32840	123652	0.78%	0.145%
6	5.006	141	143	149	rVB	28958	49353	0.31%	0.058%
7	5.885	217	220	227	rBV	923968	1925253	12.20%	2.265%
8	8.854	477	480	485	rBV	50263	97358	0.62%	0.115%
9	9.721	551	556	561	rBV	4250070	8790541	55.70%	10.342%
10	13.192	855	860	865	rBV	6871930	12983565	82.27%	15.275%
11	18.341	1305	1311	1315	rBV	7762416	14749750	93.46%	17.353%
12	19.985	1445	1455	1463	rVB3	9944	40159	0.25%	0.047%
13	21.412	1575	1580	1591	rVB2	16956	64822	0.41%	0.076%
14	22.280	1653	1656	1661	rBV2	75023	138396	0.88%	0.163%
15	22.645	1681	1688	1693	rBV2	7042824	15782319	100.00%	18.568%
16	22.771	1695	1699	1703	rVB	77944	175302	1.11%	0.206%
17	27.726	2129	2133	2139	rBV	1328961	2403531	15.23%	2.828%
18	30.489	2369	2375	2381	rBV2	6265471	14620034	92.64%	17.200%
19	31.105	2425	2429	2449	rVB	118354	433523	2.75%	0.510%
20	34.416	2713	2719	2743	rBV	4946643	12336990	78.17%	14.514%

Sum of corrected areas: 84998934

File : C:\MSDCHEM\1\5973N\02JAN09\277.D
Operator :
Acquired : 9 Jan 2002 6:59 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/7
Misc Info : January 9, 2002
Vial Number: 2
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

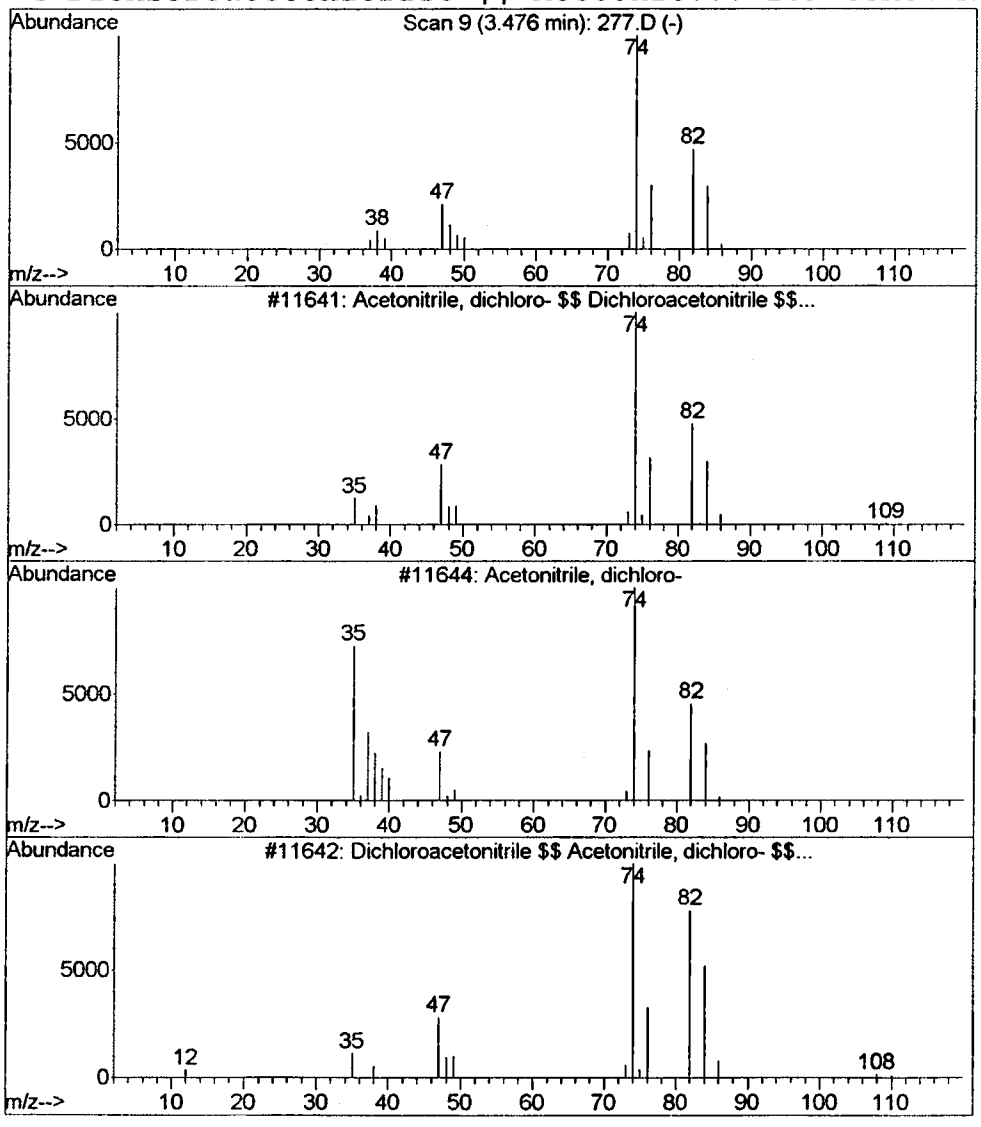
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

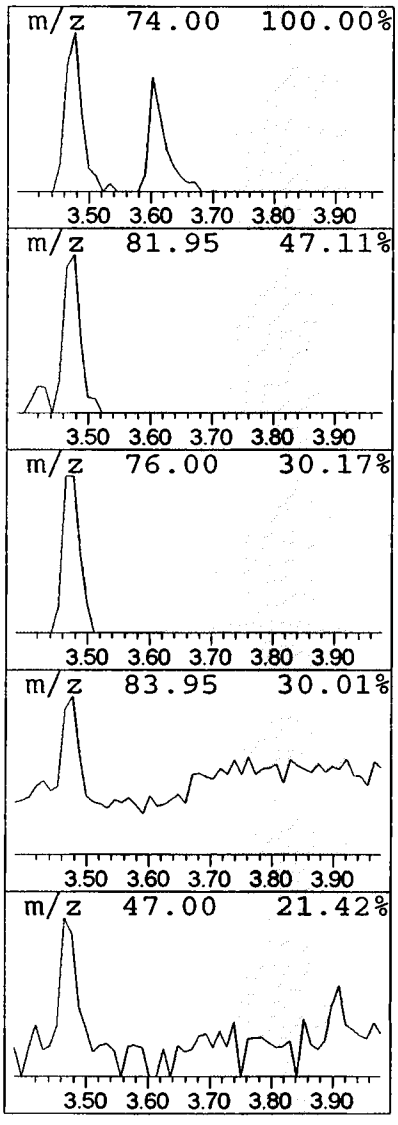
****

Peak Number 1 Acetonitrile, dichloro- $$ ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	0.17 ug/L	74836	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	90
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
3	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	53
4	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	38





Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 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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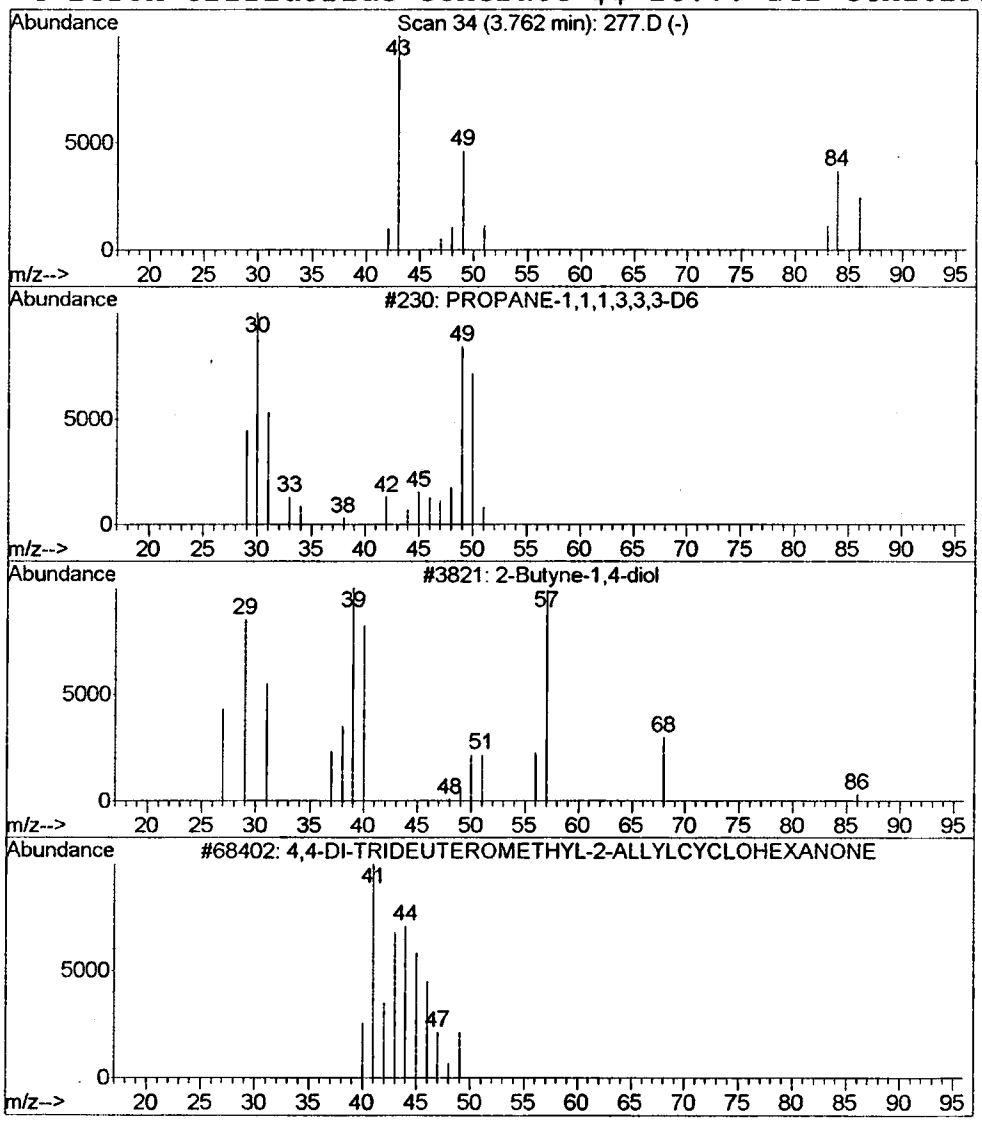
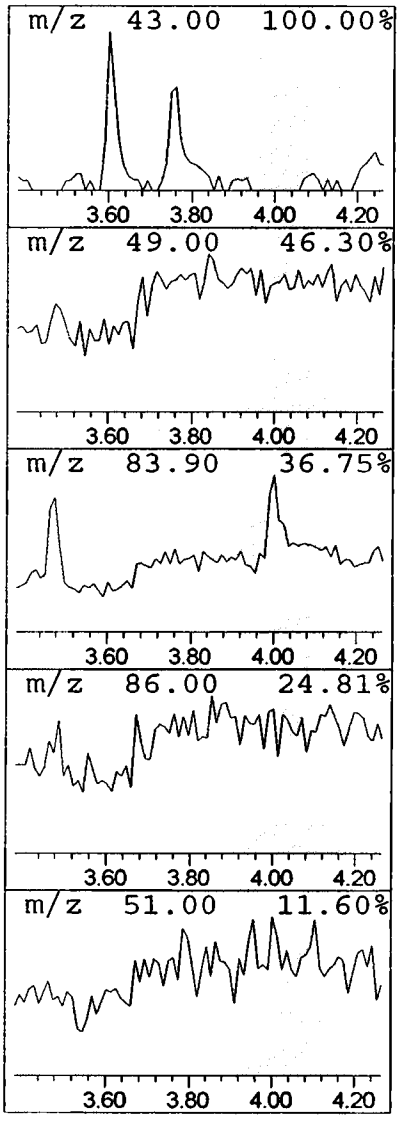
Peak Number 2 PROPANE-1,1,1,3,3,3-D6 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	0.14 ug/L	59340	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	PROPANE-1,1,1,3,3,3-D6	50	C3H2D6	002875-96-9	9
2	2-Butyne-1,4-diol	86	C4H6O2	000110-65-6	5
3	4,4-DI-TRIDEUTEROMETHYL-2-ALLYLC...	172	C11H12D6O	000000-00-0	4
4	Boron trifluoride etherate $$ Bo...	142	C4H10BF3O	000109-63-7	4





Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 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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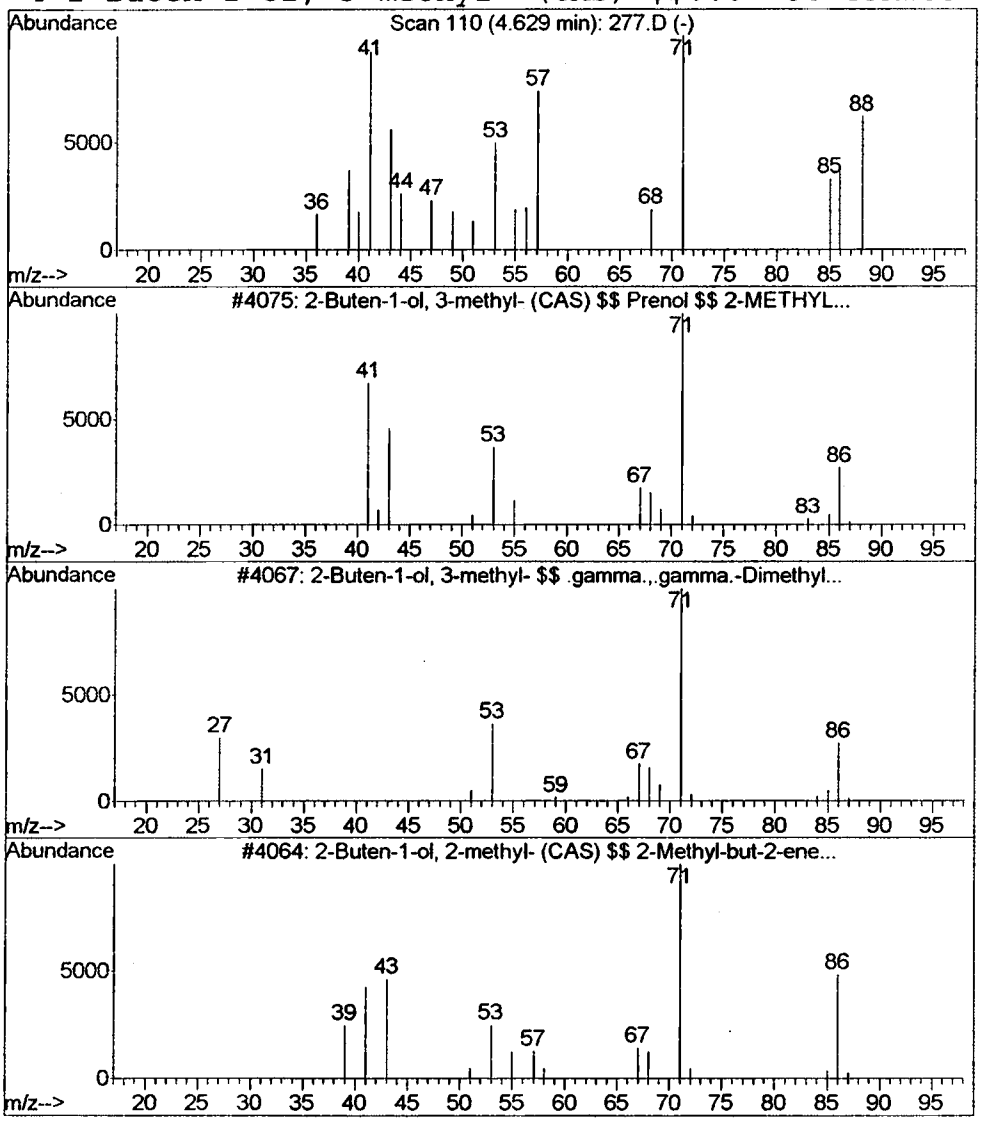
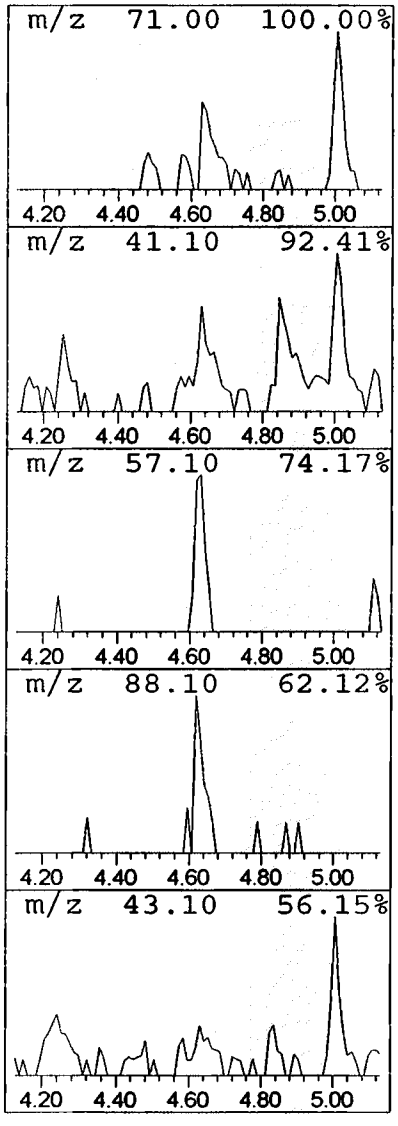
Peak Number 3 2-Buten-1-ol, 3-methyl- (CA... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.18 ug/L	79776	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	52
2	2-Buten-1-ol, 3-methyl- $$ .gamm...	86	C5H10O	000556-82-1	40
3	2-Buten-1-ol, 2-methyl- (CAS) $$...	86	C5H10O	004675-87-0	40
4	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	35





Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 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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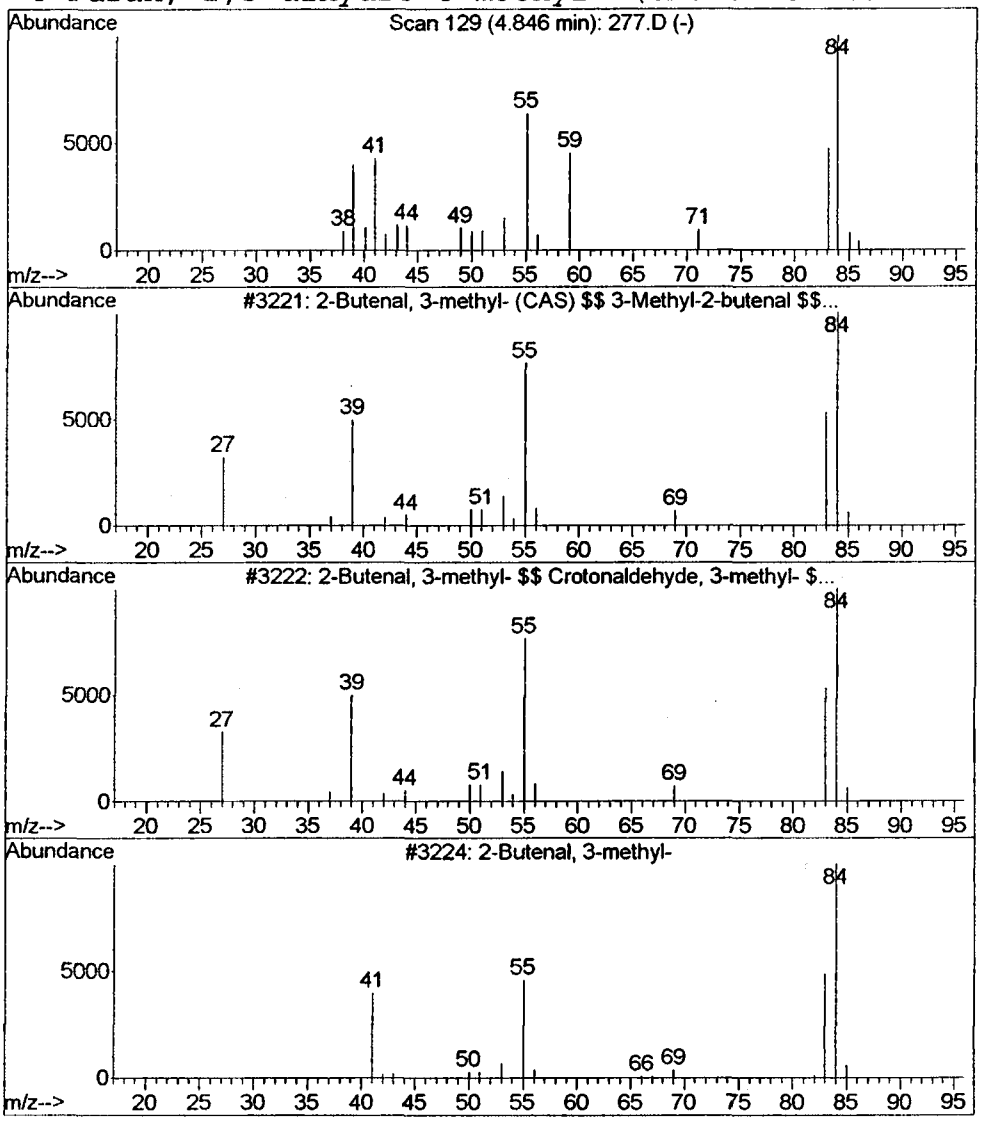
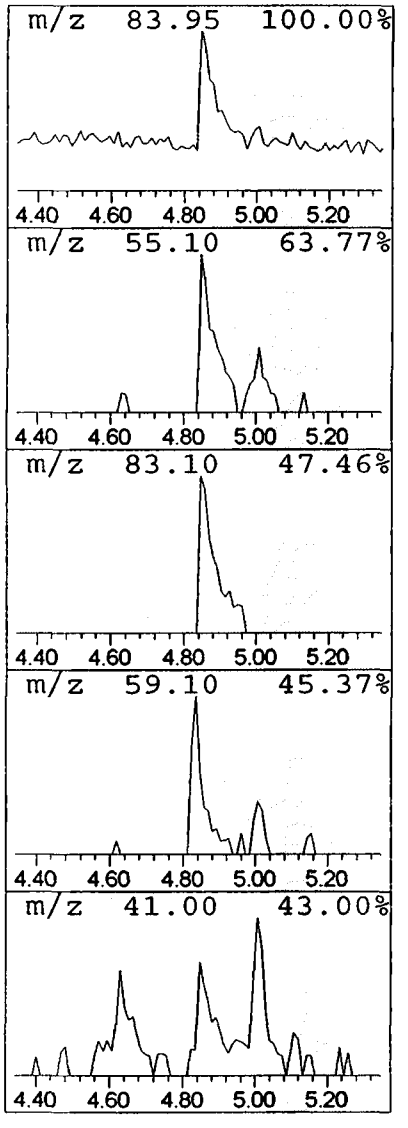
Peak Number 4 2-Butenal, 3-methyl- (CAS) ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.28 ug/L	123652	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	62
2	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	62
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
4	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	52





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Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D              Vial: 2
Acq On    :  9 Jan 2002    6:59 pm                    Operator:
Sample    : 508 scan ext 1/7                          Inst    : Instrumen
Misc      : January 9, 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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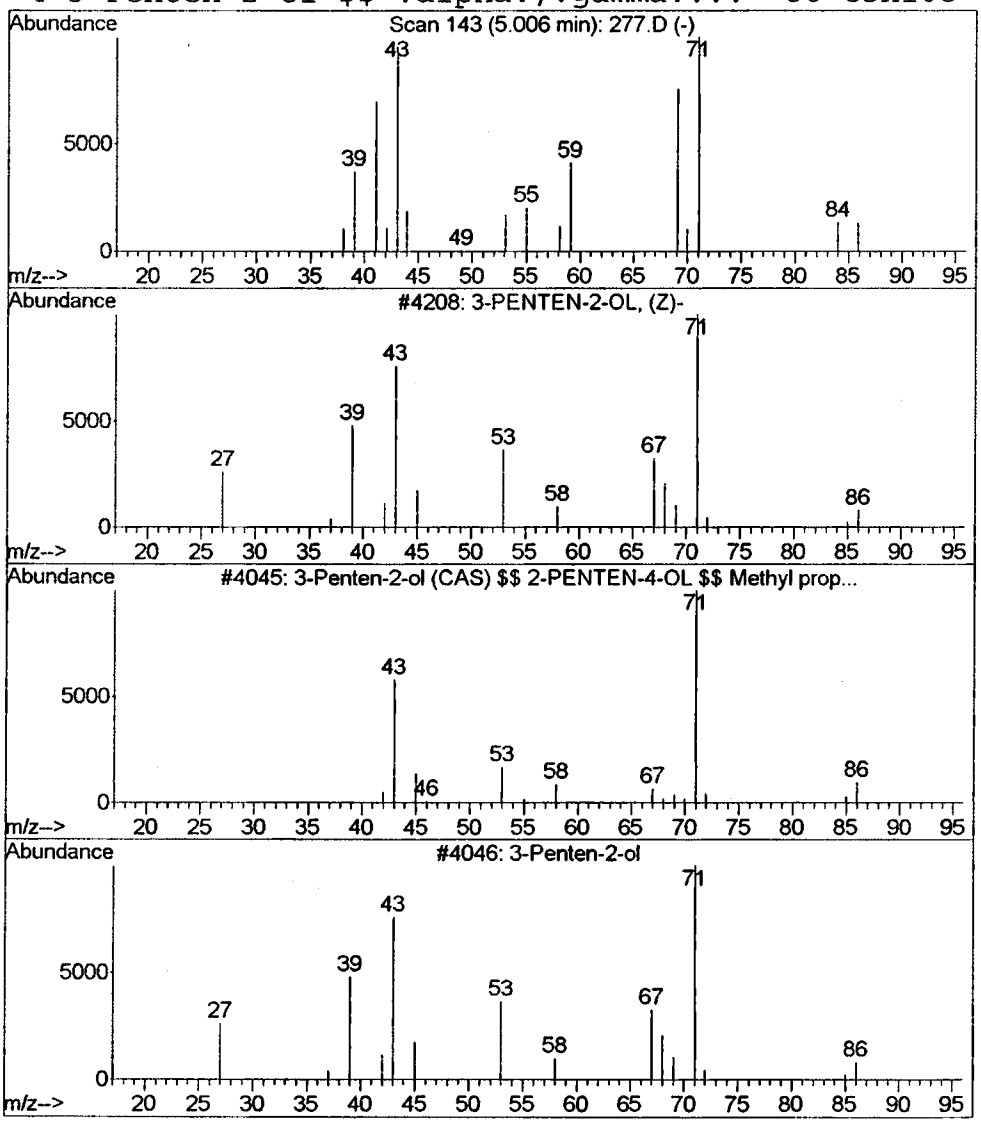
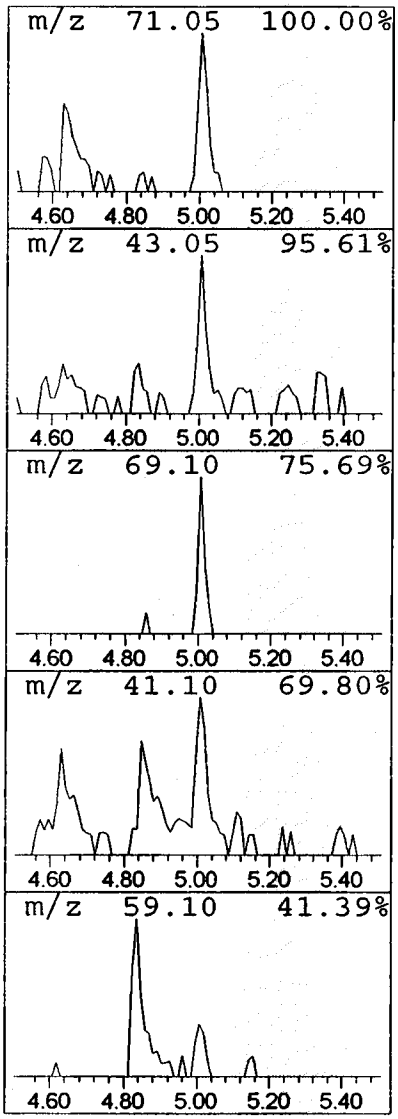
Peak Number 5 3-PENTEN-2-OL, (Z)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.11 ug/L	49353	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-PENTEN-2-OL, (Z)-	86	C5H10O	024652-50-4	35
2	3-Penten-2-ol (CAS) $$ 2-PENTEN-...	86	C5H10O	001569-50-2	35
3	3-Penten-2-ol	86	C5H10O	001569-50-2	35
4	3-Penten-2-ol $$ .alpha.,.gamma....	86	C5H10O	001569-50-2	30





Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 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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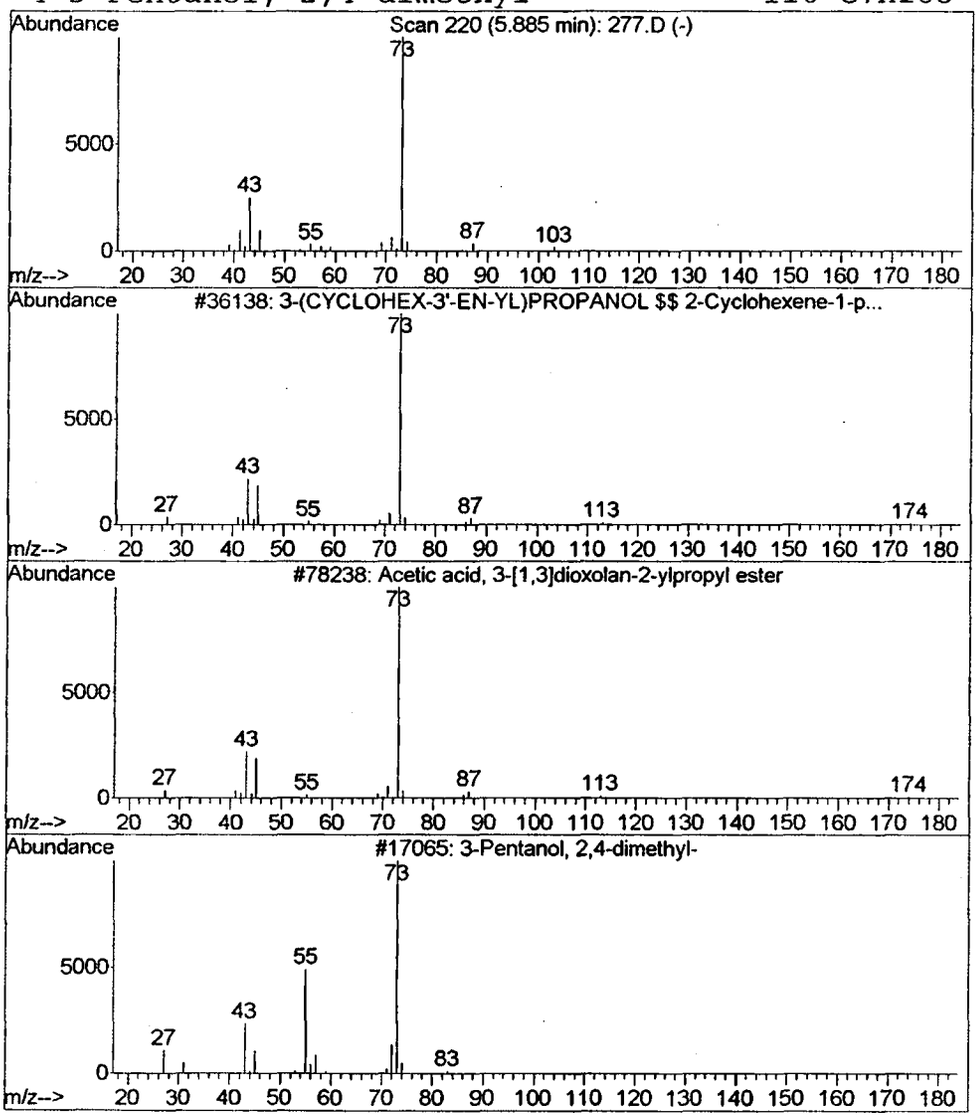
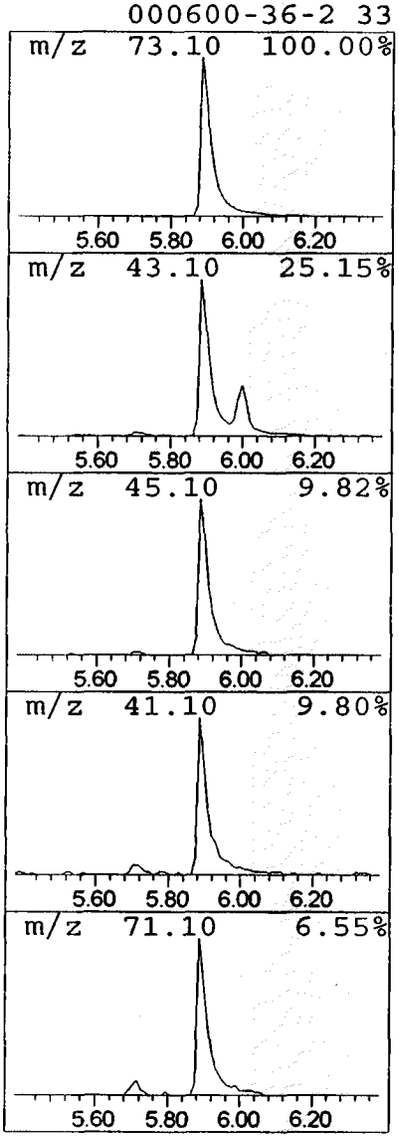
Peak Number 6 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.38 ug/L	1925250	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	33
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	33
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	33





Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

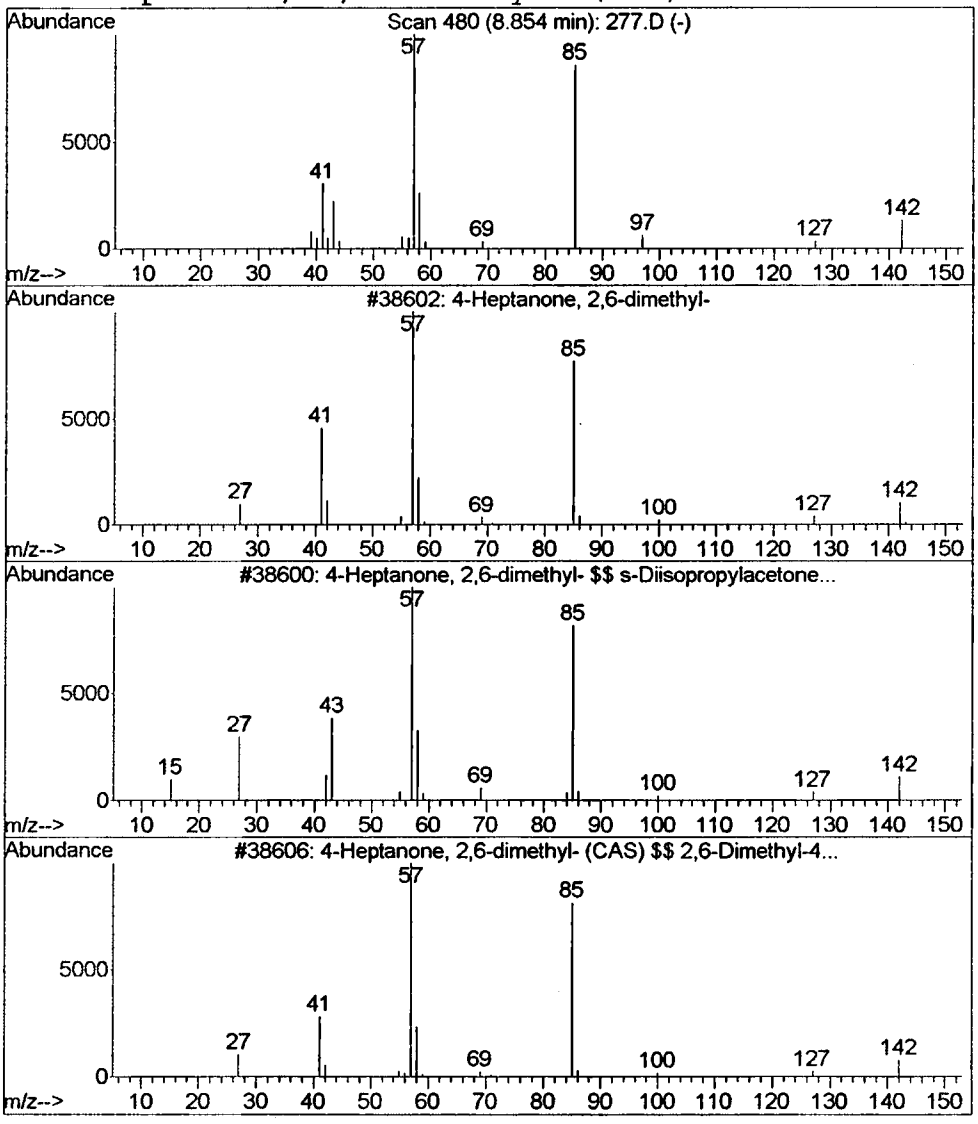
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

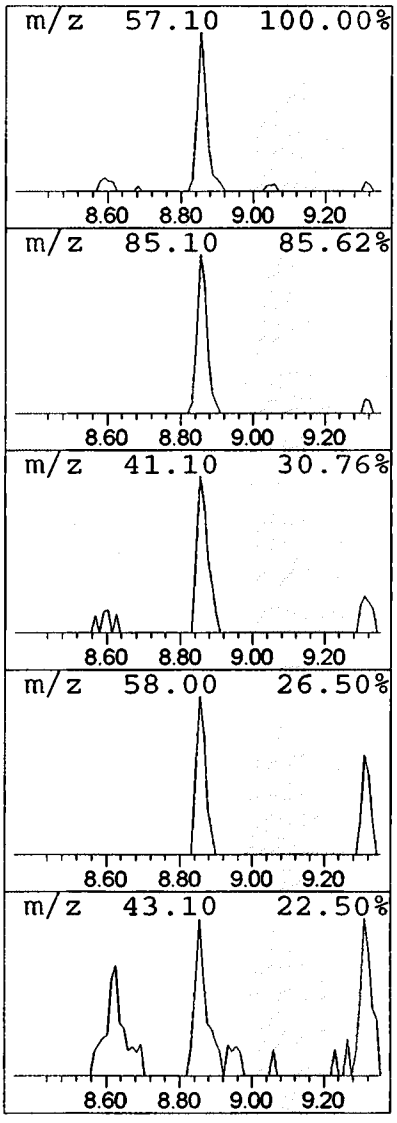
****

Peak Number 7 4-Heptanone, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	0.22 ug/L	97358	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	86
2	4-Heptanone, 2,6-dimethyl- $$ s-...	142	C9H18O	000108-83-8	86
3	4-Heptanone, 2,6-dimethyl- (CAS)...	142	C9H18O	000108-83-8	86
4	4-Heptanone, 2,6-dimethyl- (CAS)...	142	C9H18O	000108-83-8	86





Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

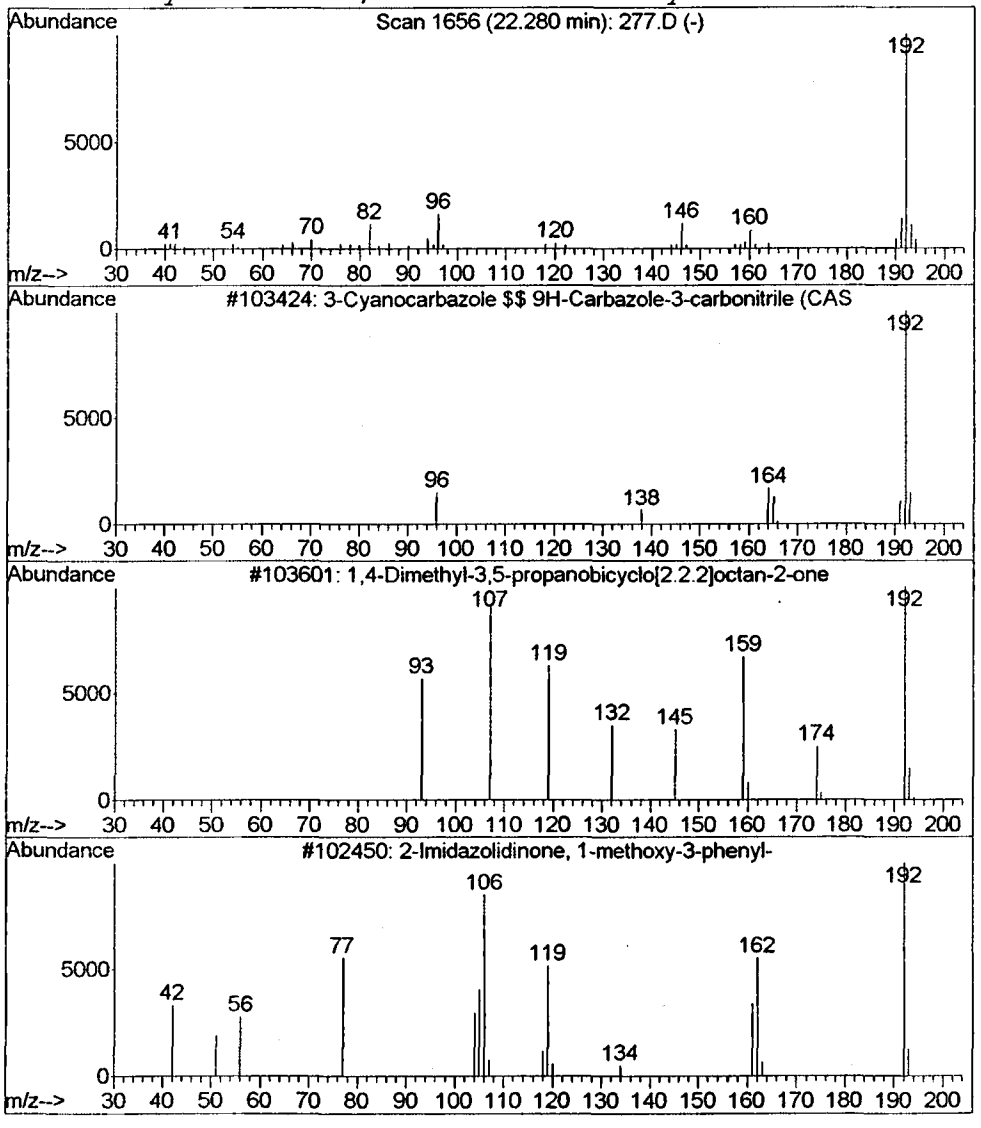
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

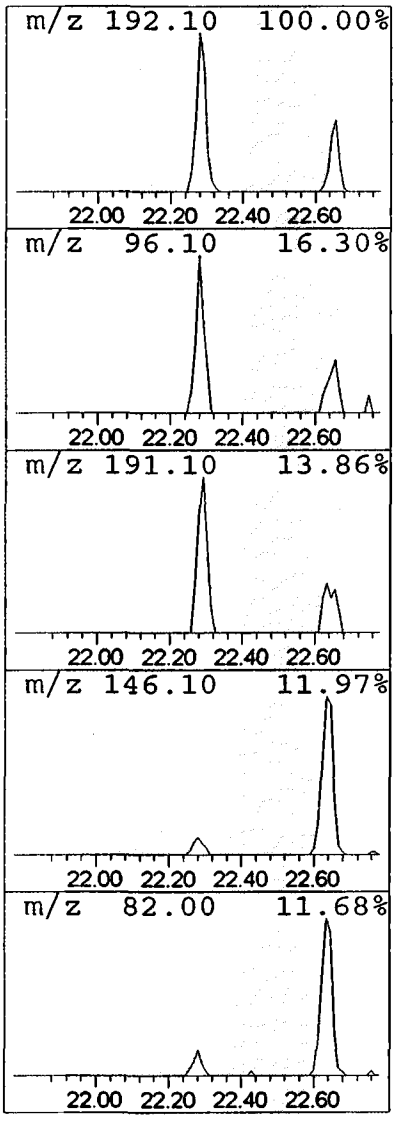
****

Peak Number 8 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.18 ug/L	138396	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	1,4-Dimethyl-3,5-propanobicyclo[...	192	C13H20O	000000-00-0	49
3	2-Imidazolidinone, 1-methoxy-3-p...	192	C10H12N2O2	052420-43-6	47
4	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	42





Data File : C:\MSDCHEM\1\5973N\02JAN09\277.D Vial: 2
Acq On : 9 Jan 2002 6:59 pm Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

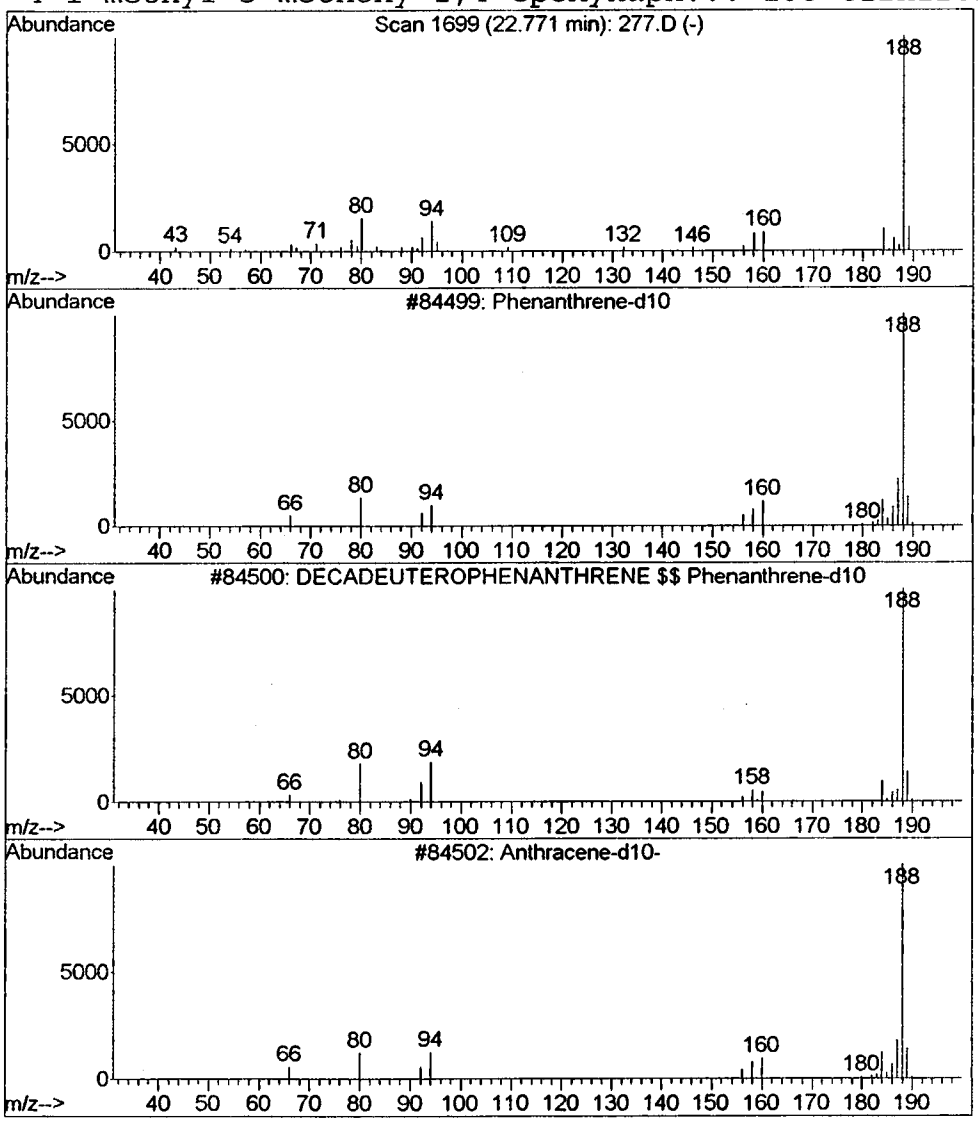
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

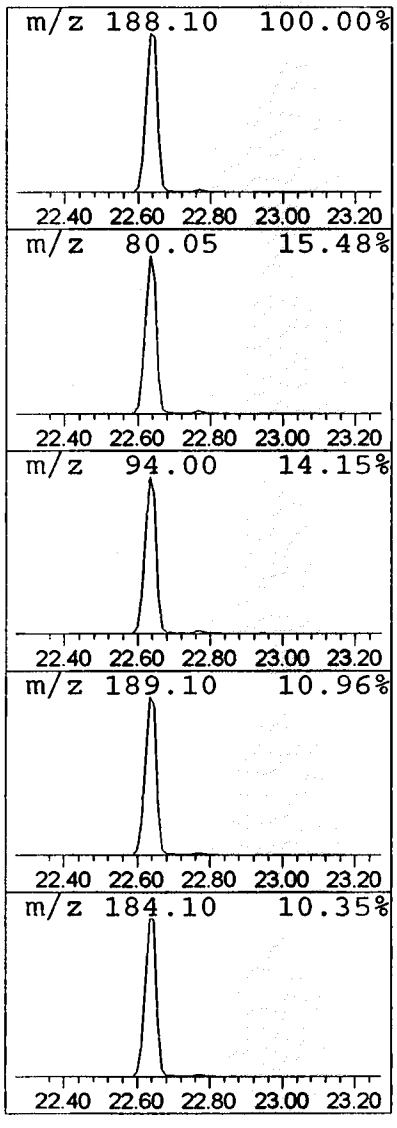
****

Peak Number 9 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.22 ug/L	175302	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	91
2	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	86
3	Anthracene-d10-	188	C14D10	001719-06-8	80
4	1-methyl-5-methoxy-1,4-epoxynaph...	188	C12H12O2	000000-00-0	53





Operator ID: Date Acquired: 9 Jan 2002 6:59 pm
Data File: C:\MSDCHEM\1\5973N\02JAN09\277.D
Name: 508 scan ext 1/7
Misc: January 9, 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
Acetonitrile, dic...	3.48	0.2	ug/L	74836	1	9.72	8790540	20.0
PROPANE-1,1,1,3,3...	3.76	0.1	ug/L	59340	1	9.72	8790540	20.0
2-Buten-1-ol, 3-m...	4.63	0.2	ug/L	79776	1	9.72	8790540	20.0
2-Butenal, 3-meth...	4.85	0.3	ug/L	123652	1	9.72	8790540	20.0
3-PENTEN-2-OL, (Z)-	5.01	0.1	ug/L	49353	1	9.72	8790540	20.0
3-(CYCLOHEX-3'-EN...	5.89	4.4	ug/L	1925250	1	9.72	8790540	20.0
4-Heptanone, 2,6-...	8.85	0.2	ug/L	97358	1	9.72	8790540	20.0
3-Cyanocarbazole ...	22.28	0.2	ug/L	138396	4	22.63	15782300	20.0
Phenanthrene-d10	22.77	0.2	ug/L	175302	4	22.63	15782300	20.0

Comments for Sample AE00277 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:20:04

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 10 of the 43 compounds in the LCS Standard were above their acceptance ranges.