User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/15/2002 Time: 17:47:14

Sample: AE03245
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/15/02 17:46 Ended: 3/15/02 17:46 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		115		5.0

Comments for Sample AE03245 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-15-2002 Time: 17:47:17

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 5 of the 43 compounds in the LCS Standard were outside their acceptance ranges.

Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Mar 04 10:50:48 2002 Quant Results File: HP022102.RES

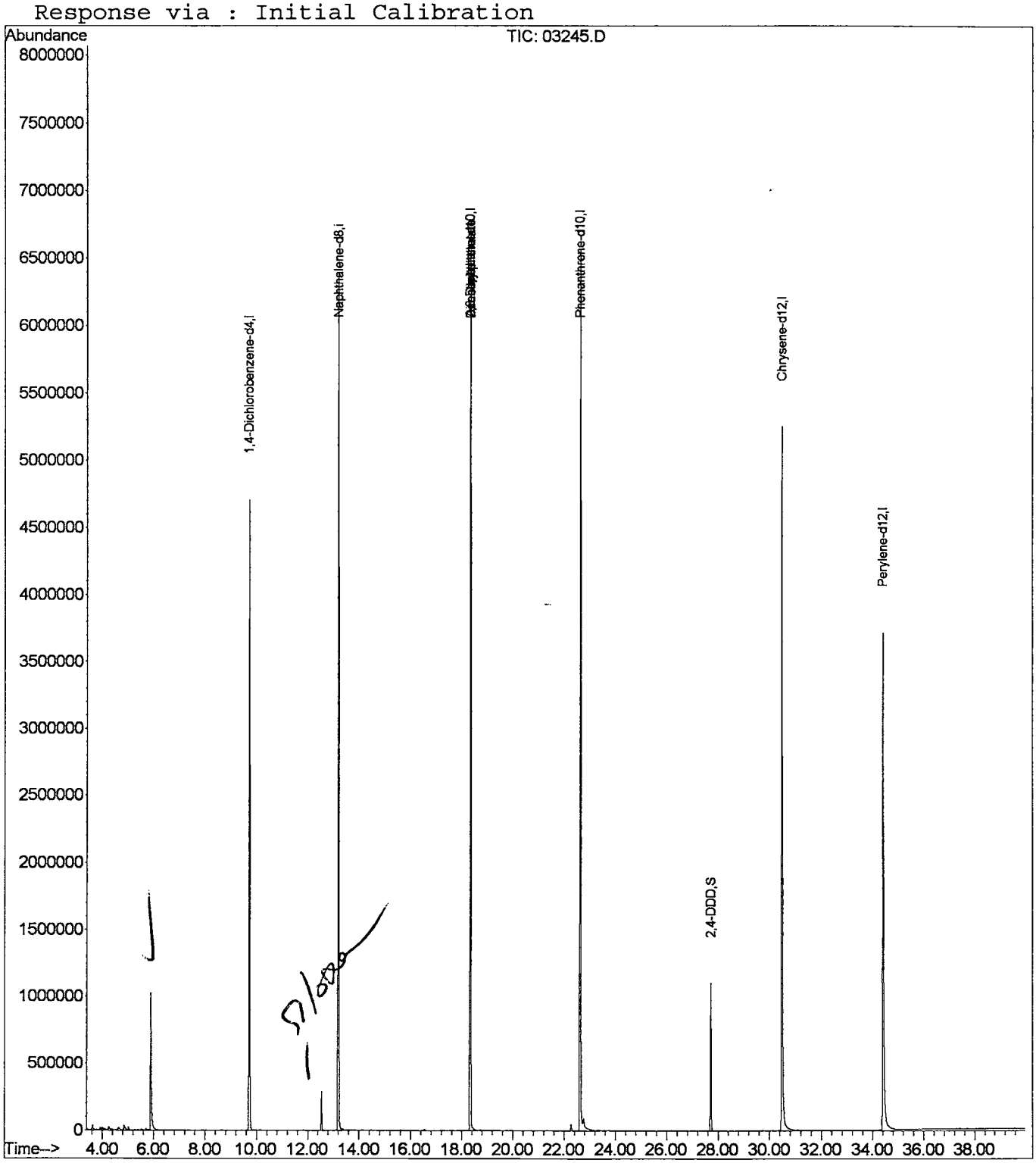
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration
DataAcq Meth : HP020702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1587119	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	6878638	20.00	ug/L	0.00
17) Acenaphthene-d10	18.33	164	3418501	20.00	ug/L	0.00
29) Phenanthrene-d10	22.63	188	5582169	20.00	ug/L	-0.01
38) Chrysene-d12	30.49	240	4417674	20.00	ug/L	-0.03
44) Perylene-d12	34.41	264	2895941	20.00	ug/L	-0.04
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	429121	5.77	ug/L	0.00
Spiked Amount 5.000			Recovery = 115.40%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	548244	2.64	ug/L #	57
21) 2,6-Dinitrotoluene	18.33	165	431368	9.01	ug/L #	27

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

Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Mar 4 10:50 2002 Quant Results File: HP022102.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.M (RTE Integrator)
Title : 508 scan method
Last Update : Mon Feb 25 10:47:59 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP022102.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

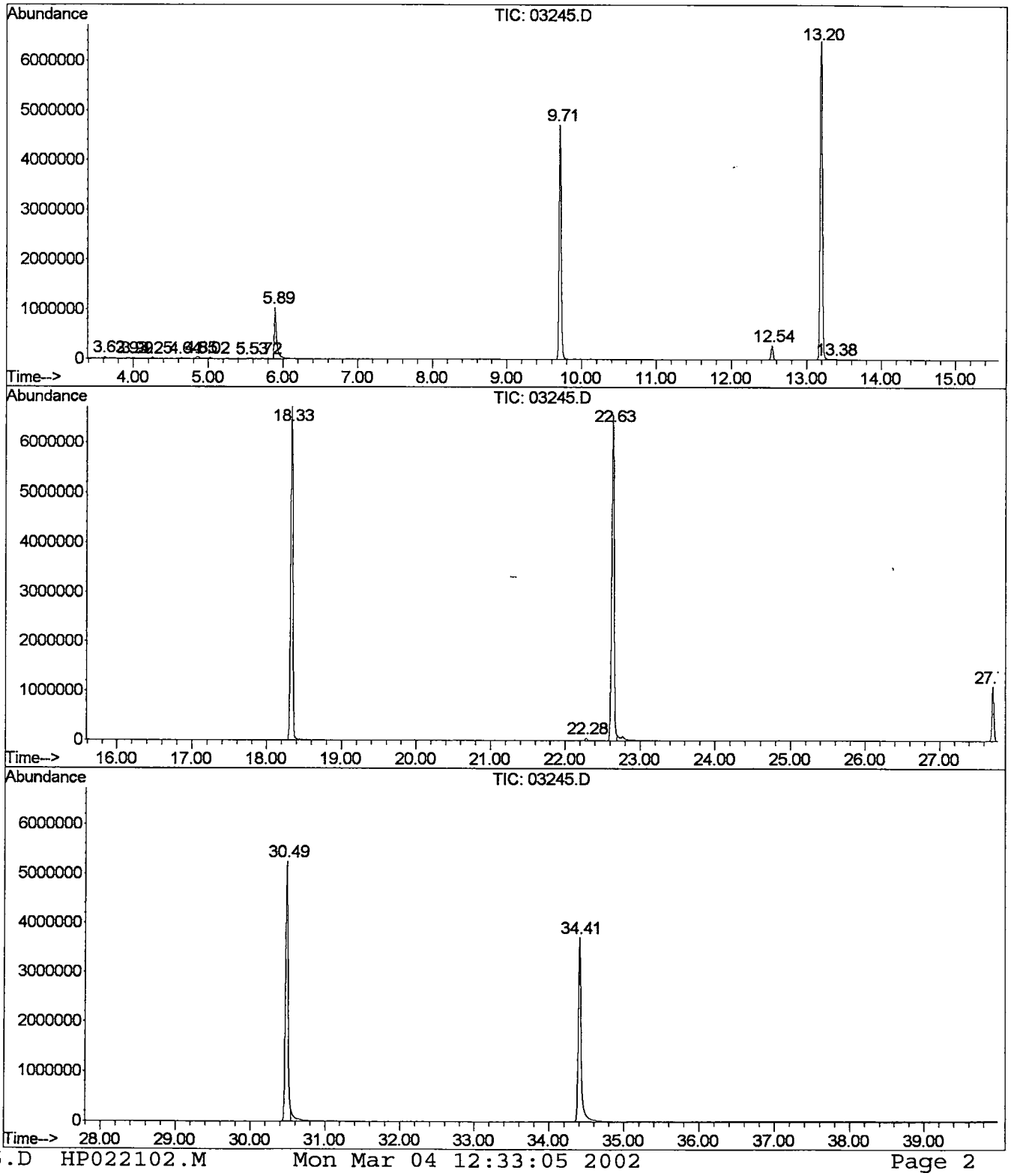
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.622	19	22	27	rBV	36003	57614	0.40%	0.074%
2	3.927	47	49	53	rBV	19277	31181	0.21%	0.040%
3	3.995	53	55	61	rBV	16132	32287	0.22%	0.041%
4	4.254	75	78	85	rVB3	24301	56354	0.39%	0.072%
5	4.638	105	112	125	rBV4	20662	73860	0.51%	0.095%
6	4.853	129	131	143	rVV2	34884	118049	0.81%	0.152%
7	5.022	143	146	153	rVB	23919	41616	0.29%	0.053%
8	5.530	187	191	199	rBV4	9633	29253	0.20%	0.038%
9	5.722	203	208	211	rVB2	11827	25258	0.17%	0.032%
10	5.891	219	223	243	rVV	1027907	2146074	14.75%	2.756%
11	9.707	557	561	567	rBV	4707745	8860711	60.91%	11.380%
12	12.540	807	812	817	rVB	286824	488749	3.36%	0.628%
13	13.195	865	870	875	rBV	6398591	13027740	89.55%	16.731%
14	13.376	883	886	895	rVB	13540	27203	0.19%	0.035%
15	18.332	1319	1325	1331	rBV	6725995	13854690	95.24%	17.793%
16	22.283	1669	1675	1679	rBV	47942	92936	0.64%	0.119%
17	22.633	1701	1706	1711	rBV2	6560208	14547851	100.00%	18.683%
18	27.724	2153	2157	2161	rBV	1102109	2054514	14.12%	2.639%
19	30.490	2395	2402	2407	rBV	5251601	12427936	85.43%	15.961%
20	34.407	2743	2749	2783	rBV	3710943	9870938	67.85%	12.677%

Sum of corrected areas: 77864814

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02MAR01\03245.D
Operator :
Acquired : 1 Mar 2002 2:28 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : March 1, 2002
Vial Number: 6
Quant File :HP022102.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

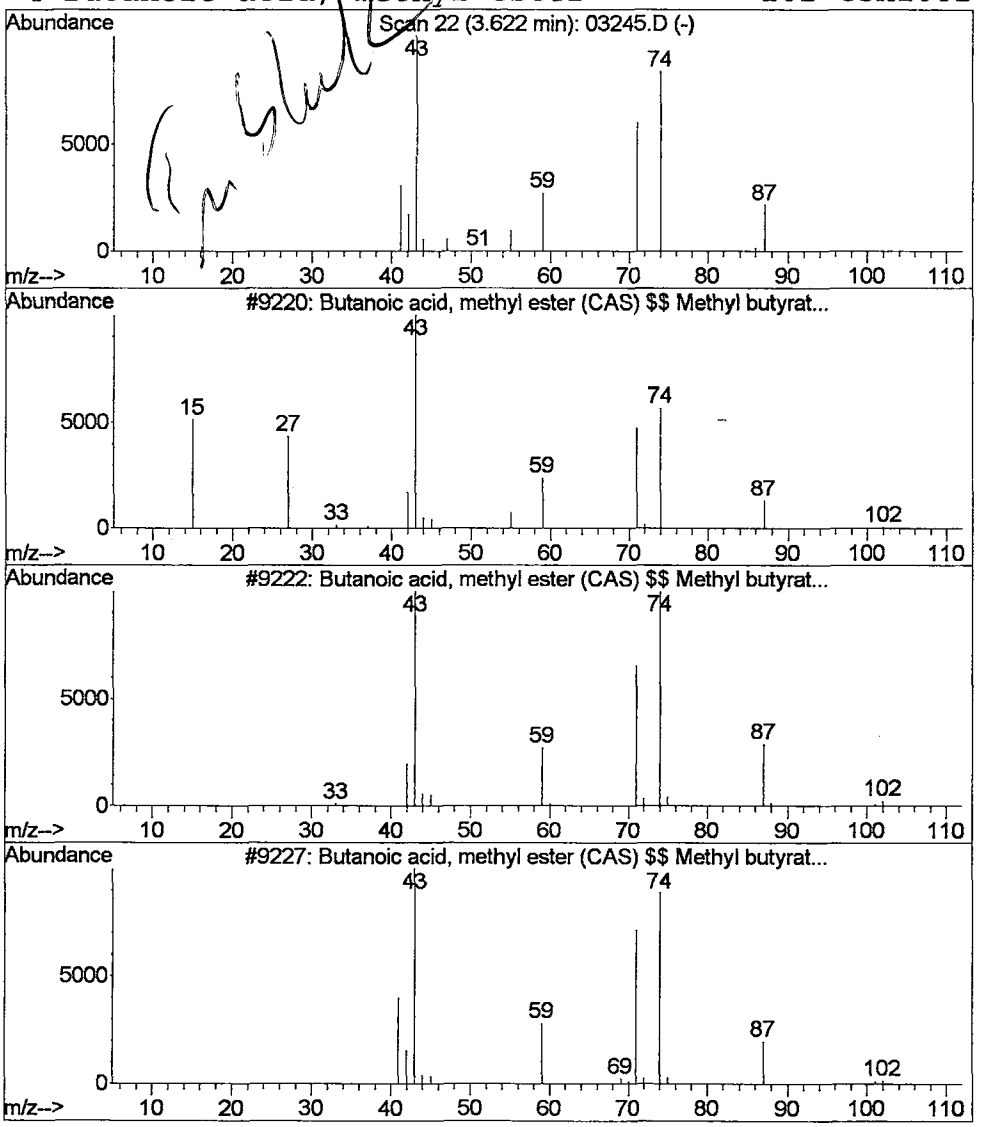
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

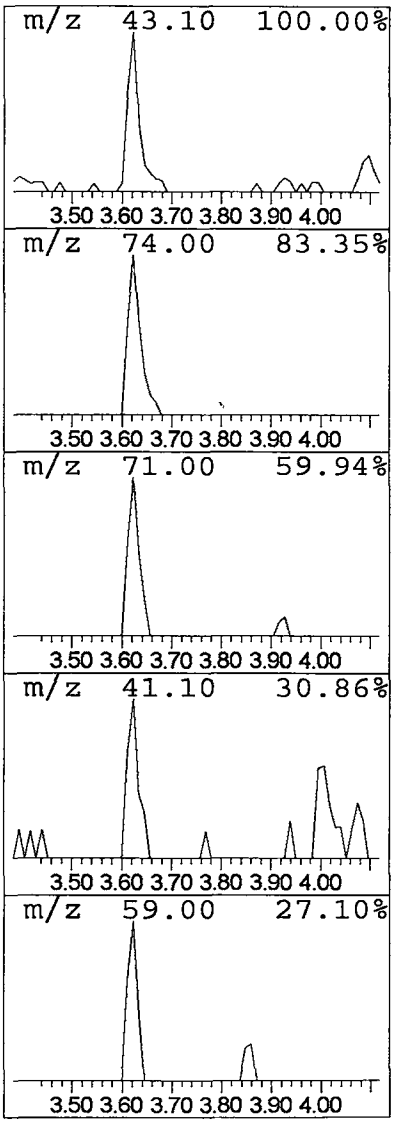
****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.13 ug/L	57614	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	83





Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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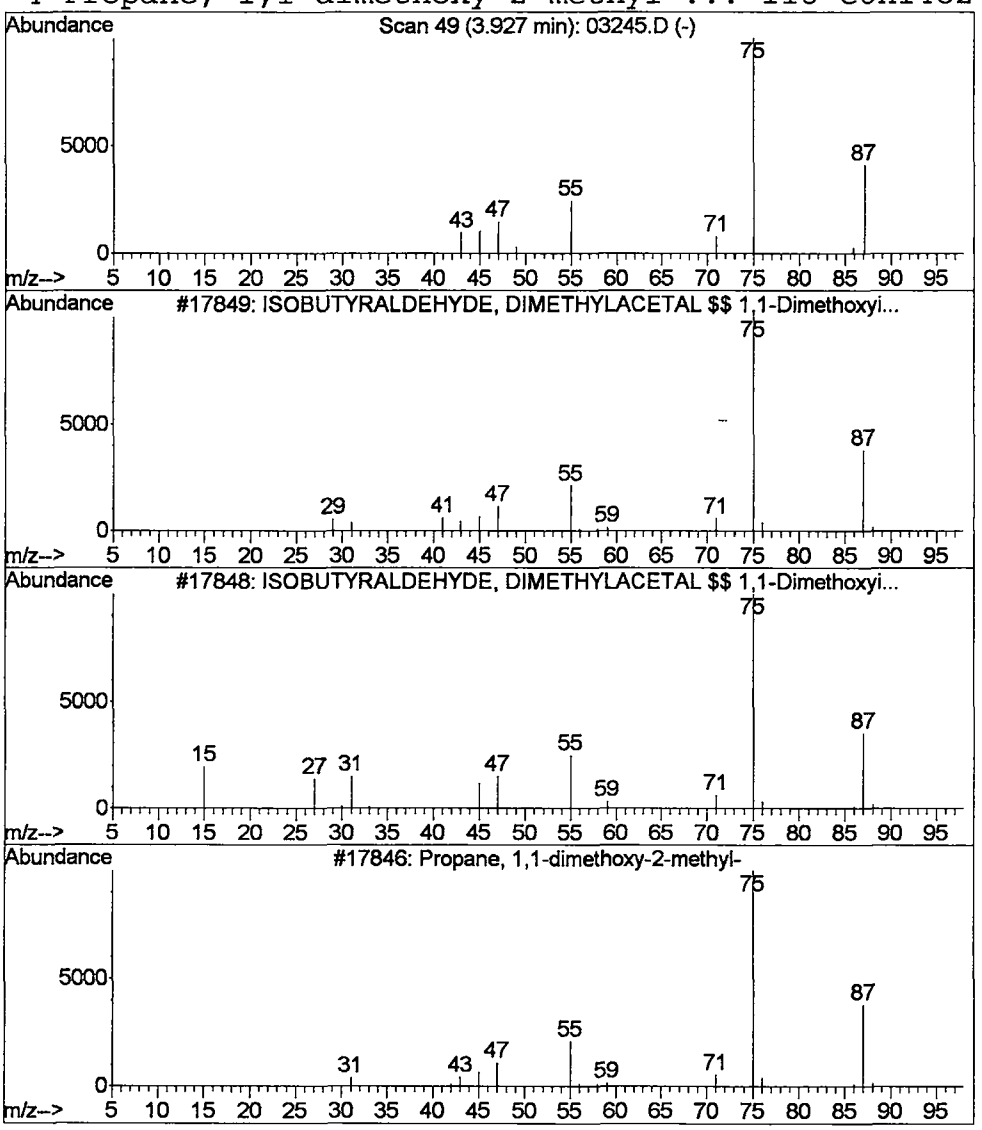
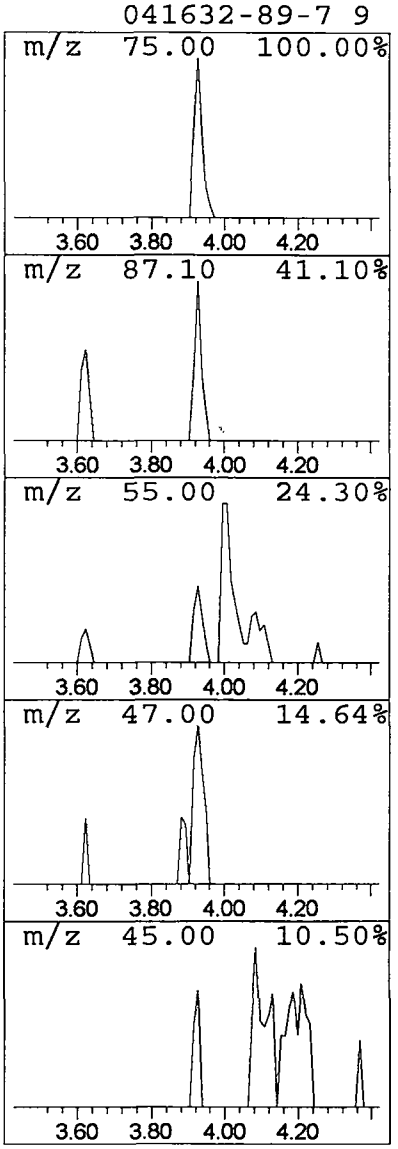
Peak Number 2 ISOBUTYRALDEHYDE, DIMETHYLA... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.07 ug/L	31181	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
2	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
3	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	74
4	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	9





Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

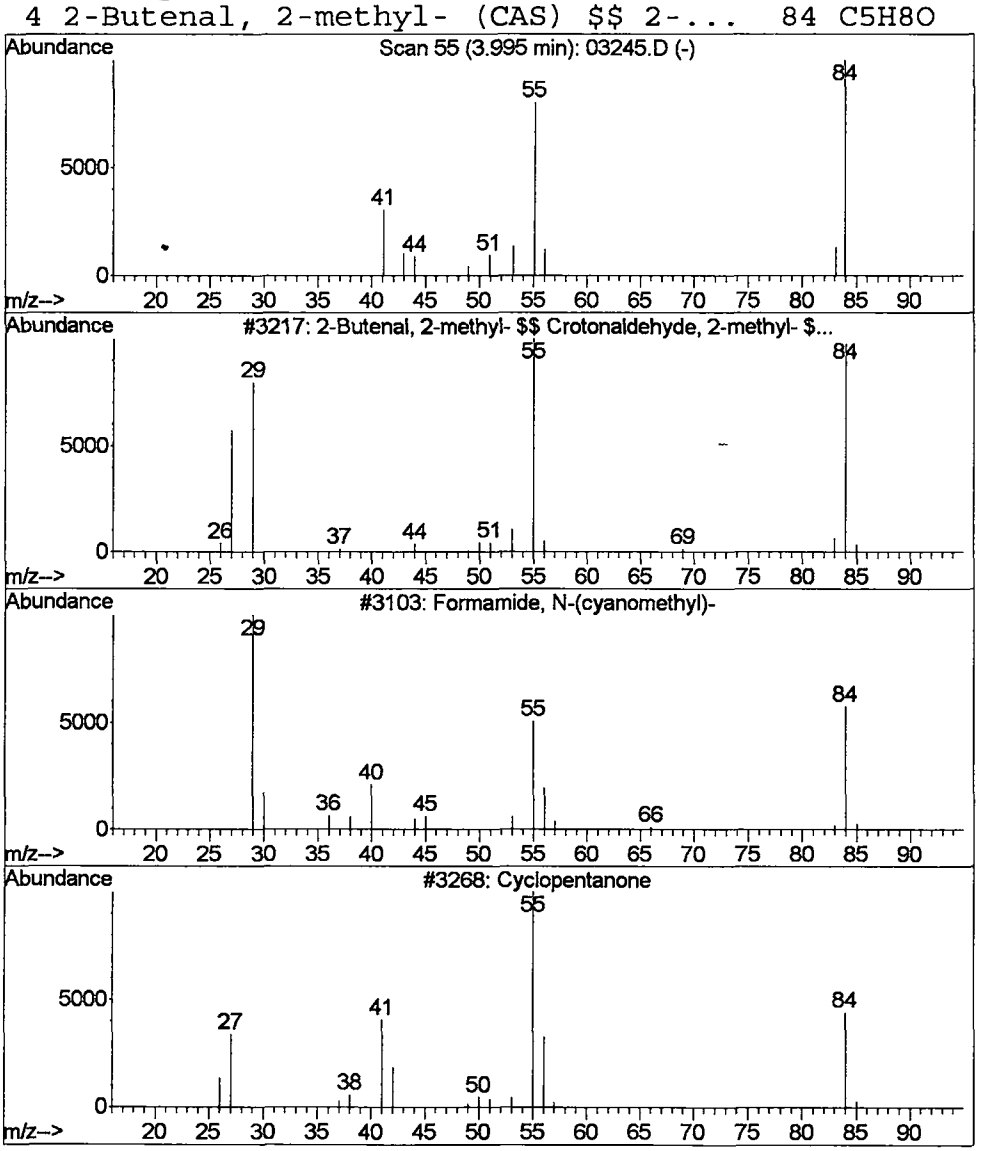
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

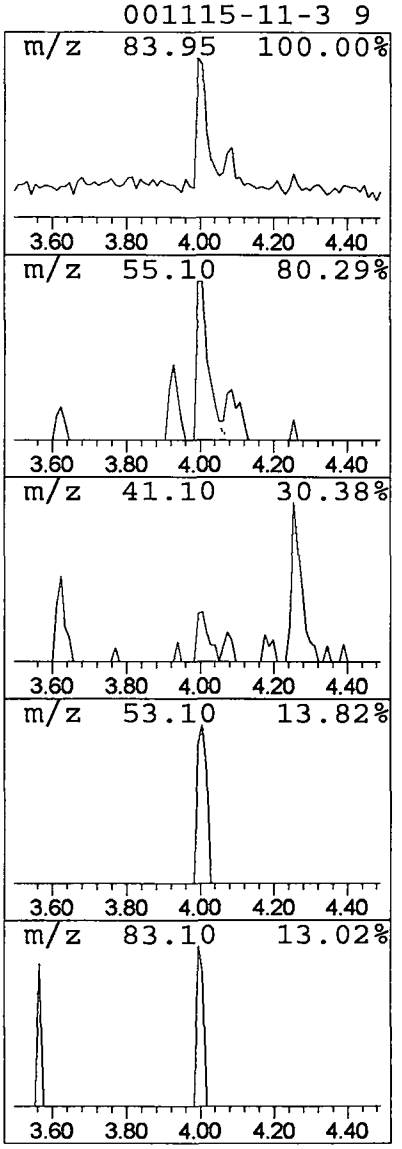
****

Peak Number 3 2-Butenal, 2-methyl- $$ Cro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	0.07 ug/L	32287	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 2-methyl- $$ Crotonal...	84	C5H8O	001115-11-3	9
2	Formamide, N-(cyanomethyl)-	84	C3H4N2O	005018-27-9	9
3	Cyclopentanone	84	C5H8O	000120-92-3	9
4	2-Butenal, 2-methyl- (CAS) $$ 2-...	84	C5H8O	001115-11-3	9





Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

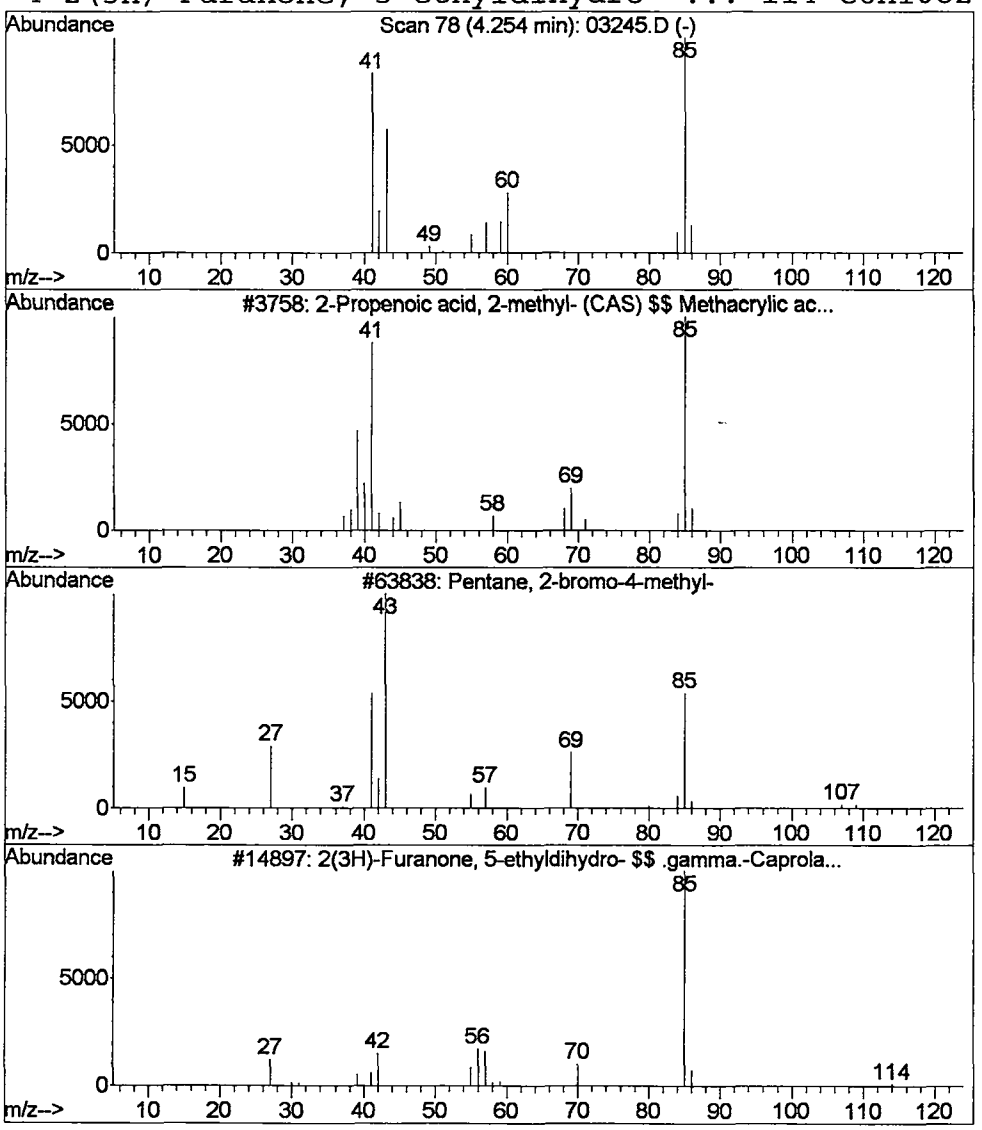
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

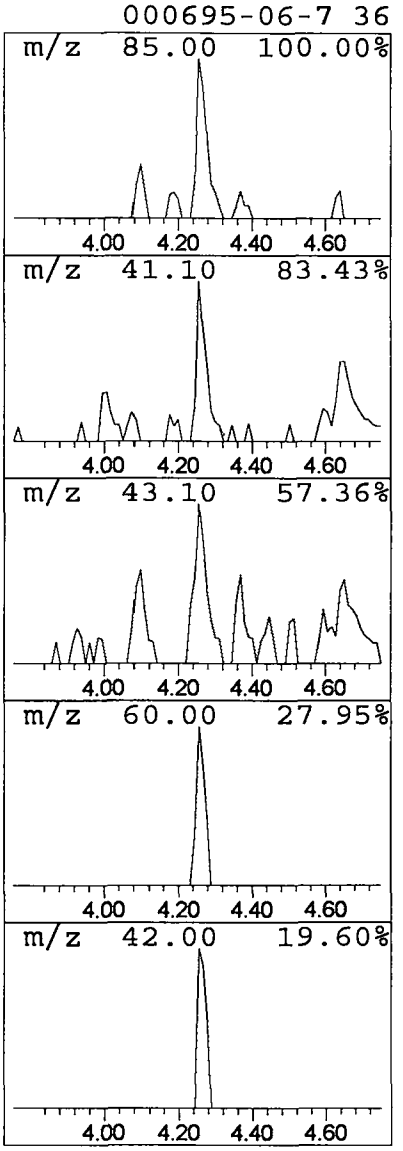
****

Peak Number 4 2-Propenoic acid, 2-methyl-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.13 ug/L	56354	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl- (CAS...	86	C4H6O2	000079-41-4	40
2	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	38
3	2(3H)-Furanone, 5-ethyldihydro- ...	114	C6H10O2	000695-06-7	38
4	2(3H)-Furanone, 5-ethyldihydro- ...	114	C6H10O2	000695-06-7	36





Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

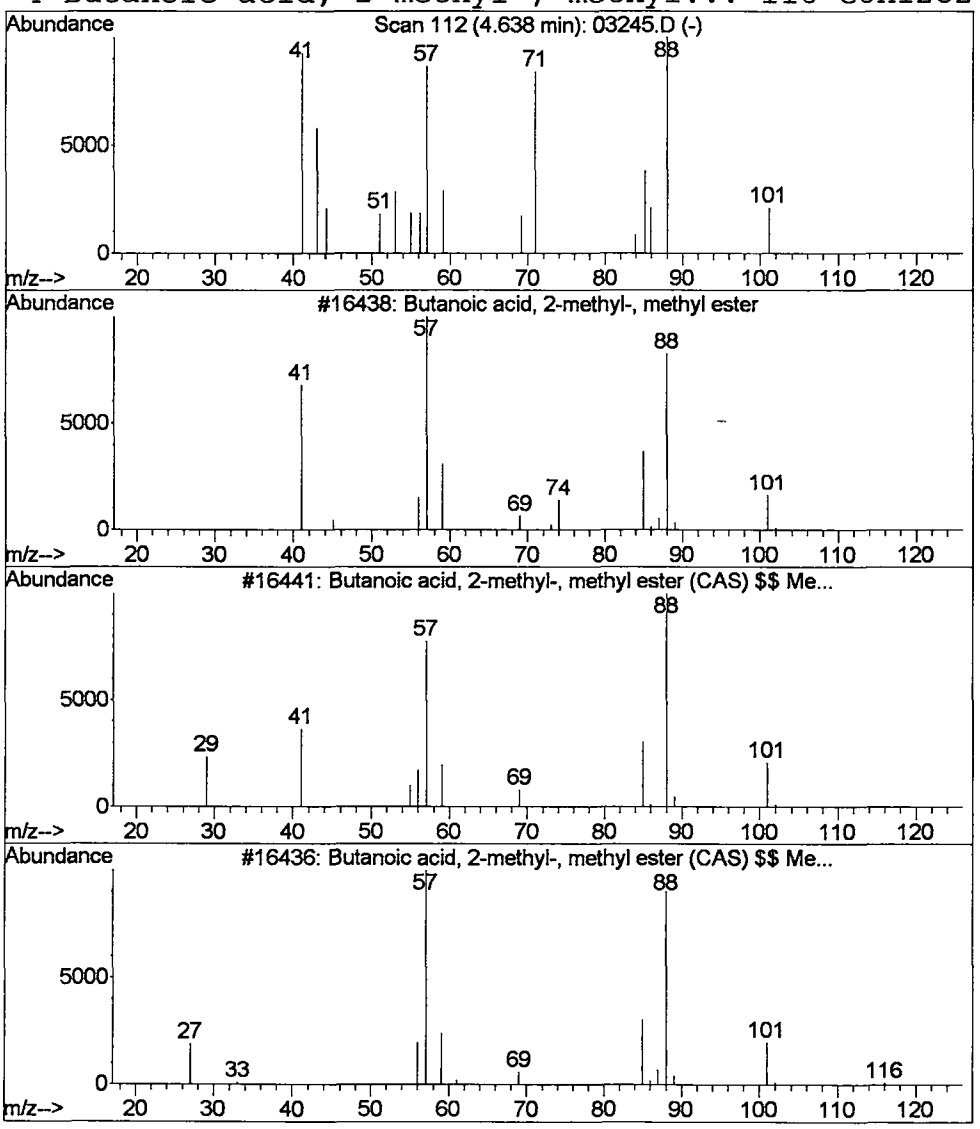
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

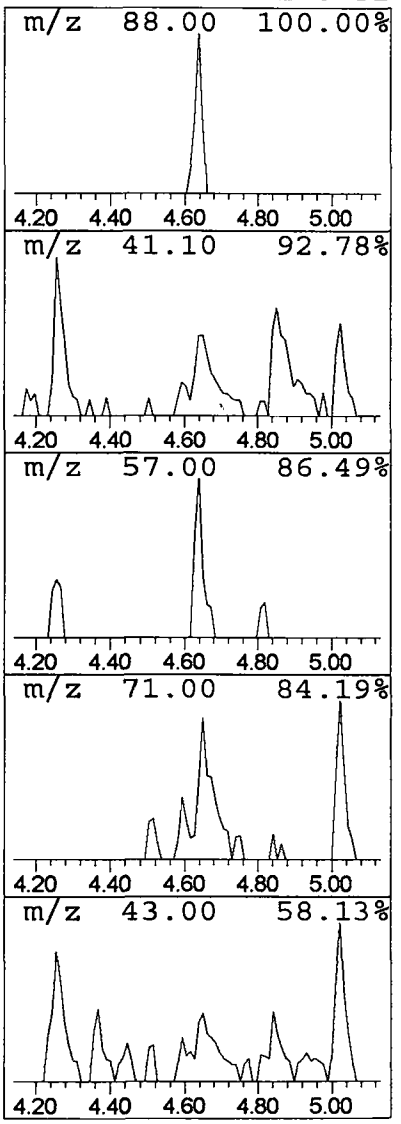
****

Peak Number 5 Butanoic acid, 2-methyl-, m... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	0.17 ug/L	73860	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	43
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	43
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	37
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	053955-81-0	32





Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

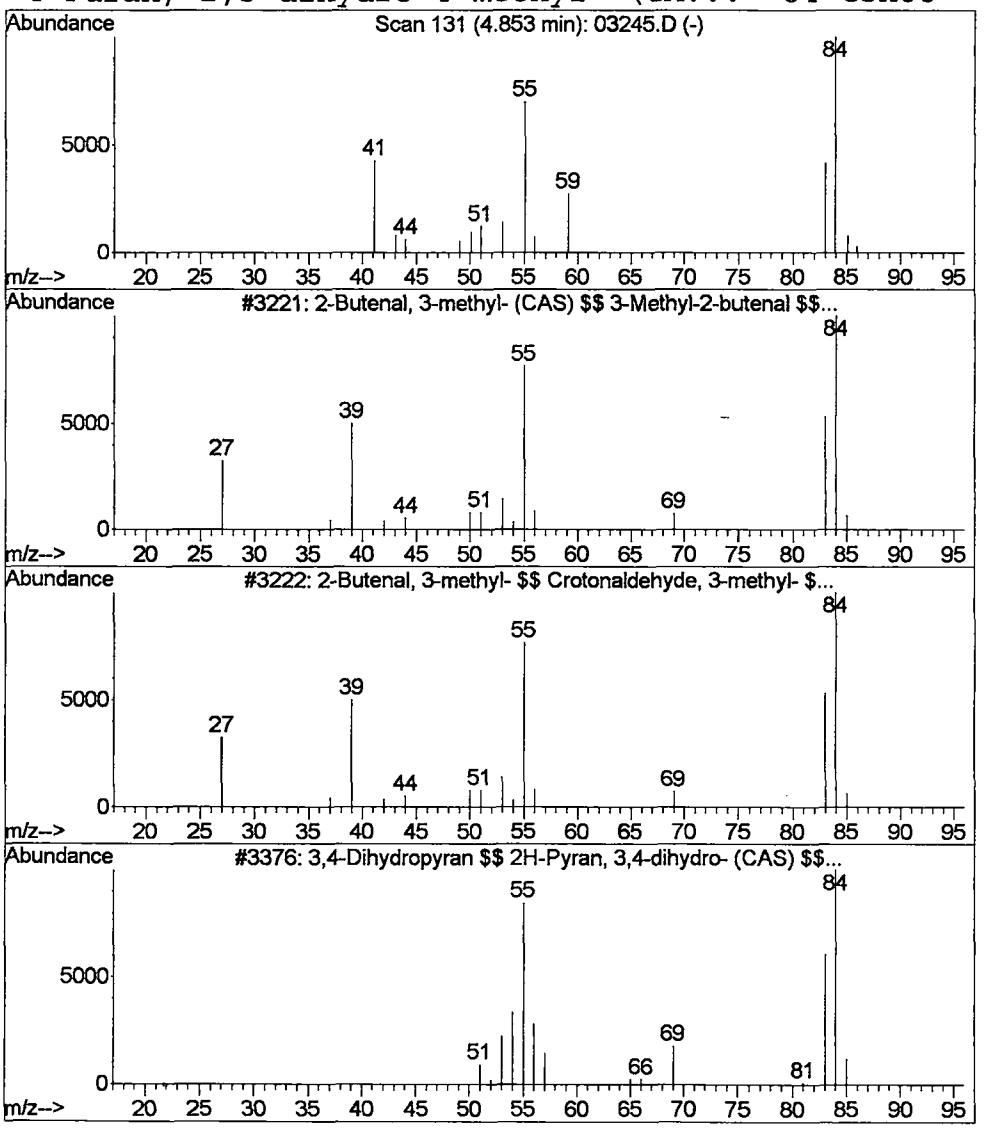
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

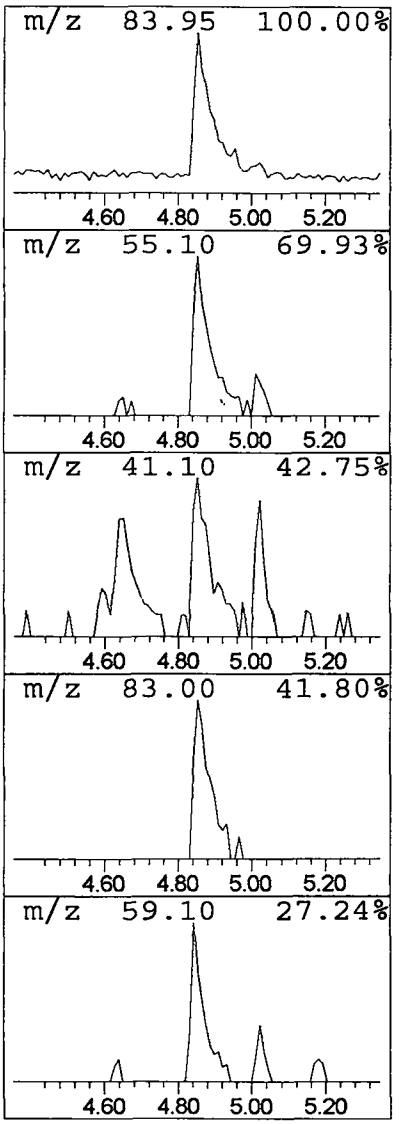
****

Peak Number 6 2-Butenal, 3-methyl- (CAS) ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.27 ug/L	118049	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	83
2	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	83
3	3,4-Dihydropyran $$ 2H-Pyran, 3,...	84	C5H8O	000110-87-2	72
4	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	72





Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

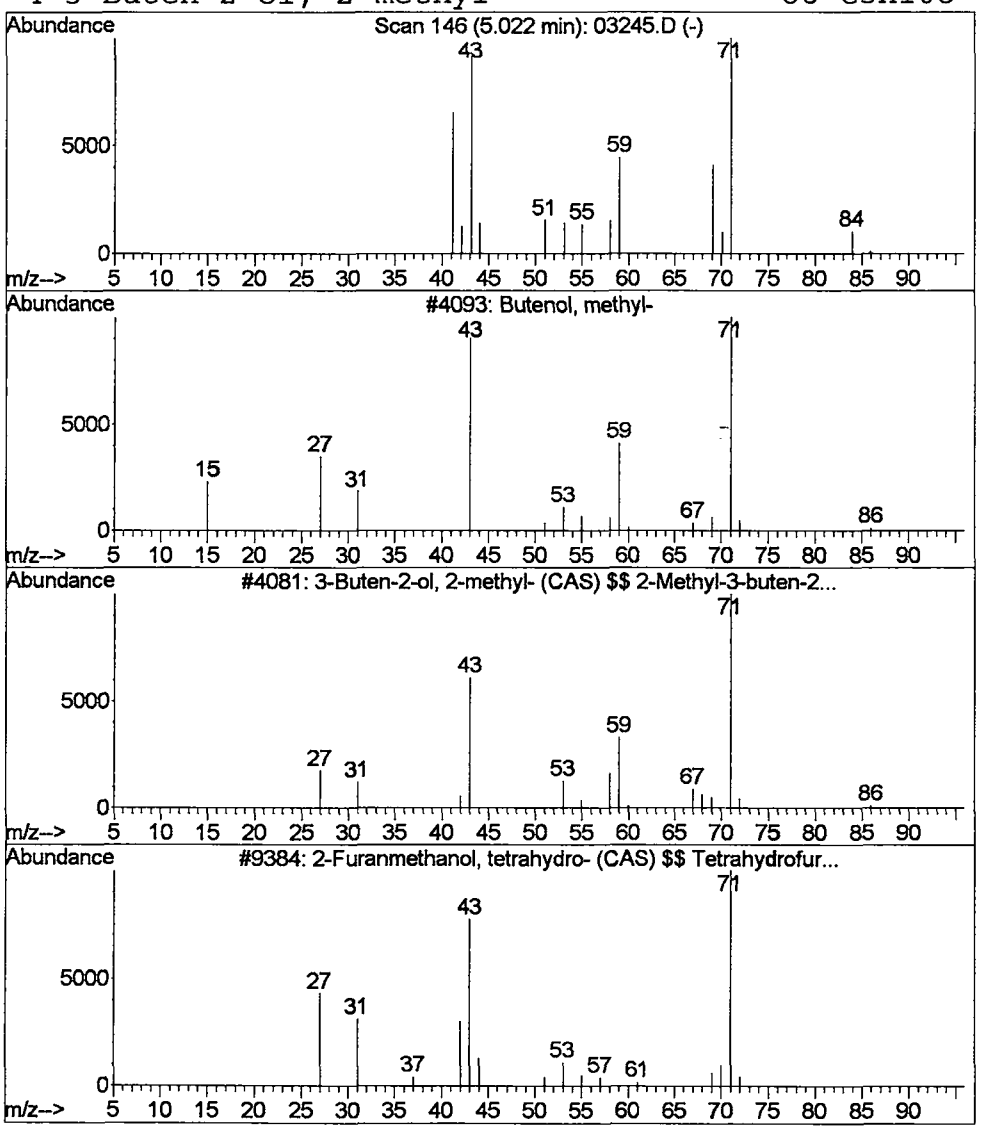
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

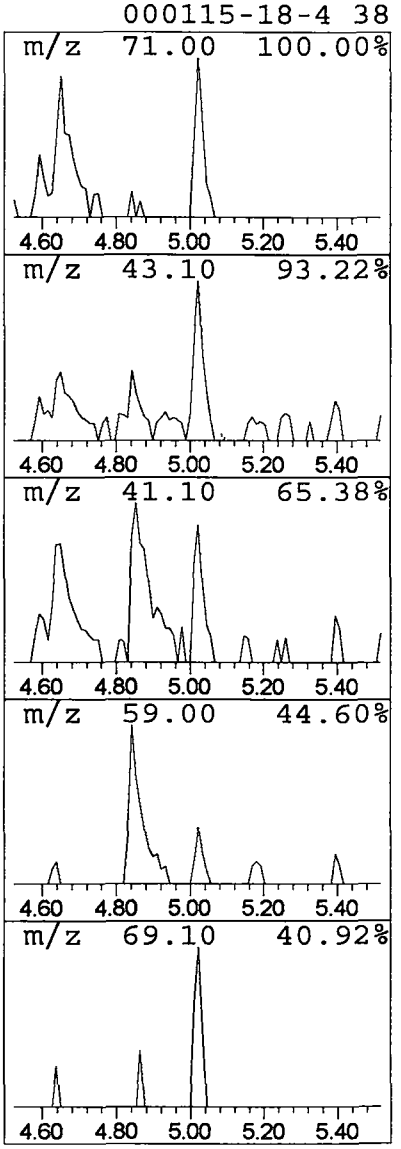
****

Peak Number 7 Butenol, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.09 ug/L	41616	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butenol, methyl-	86	C5H10O	060766-00-9	59
2	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	59
3	2-Furanmethanol, tetrahydro- (CA...	102	C5H10O2	000097-99-4	47
4	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	38





Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
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Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

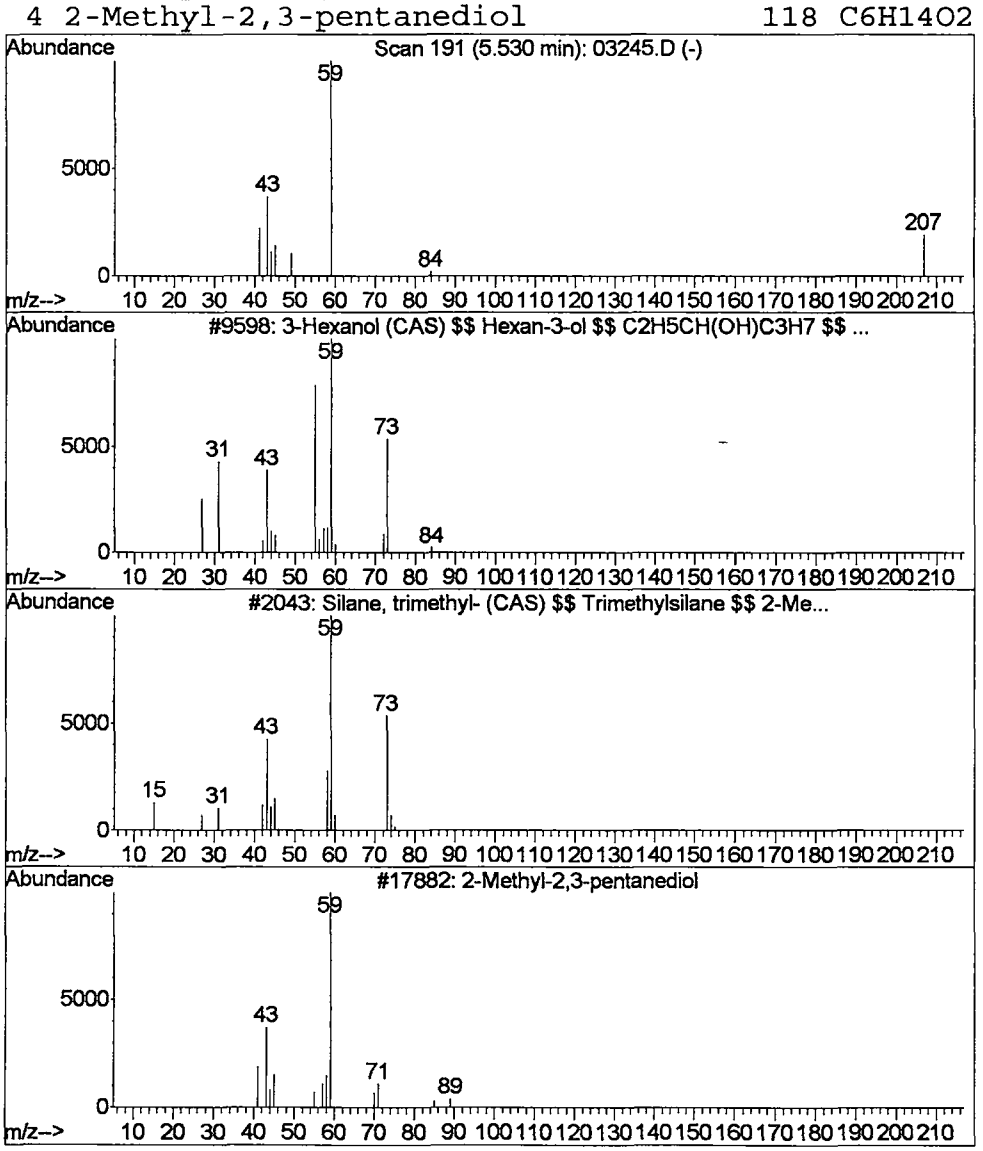
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

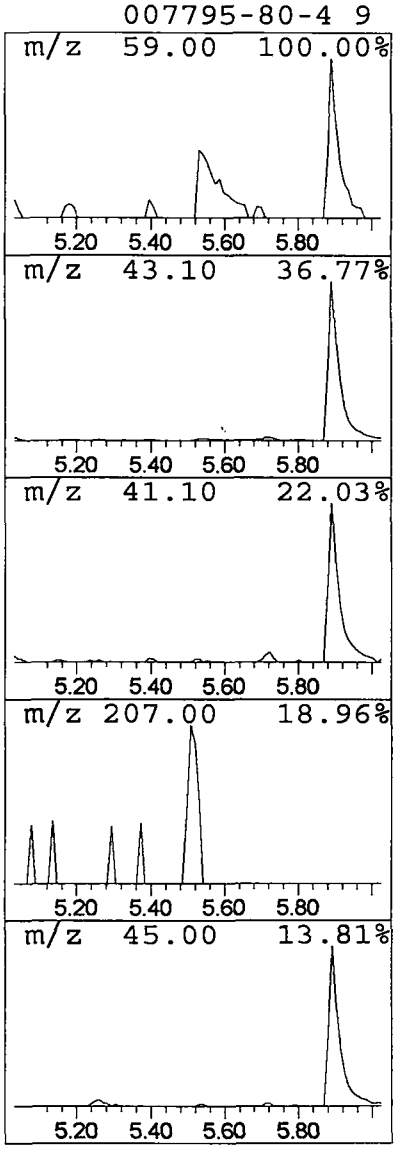
****

Peak Number 8 3-Hexanol (CAS) $$ Hexan-3-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	0.07 ug/L	29253	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol (CAS) $$ Hexan-3-ol $$...	102	C6H14O	000623-37-0	9
2	Silane, trimethyl- (CAS) $$ Trim...	74	C3H10Si	000993-07-7	9
3	2-Methyl-2,3-pentanediol	118	C6H14O2	007795-80-4	9
4	2-Methyl-2,3-pentanediol	118	C6H14O2	007795-80-4	9





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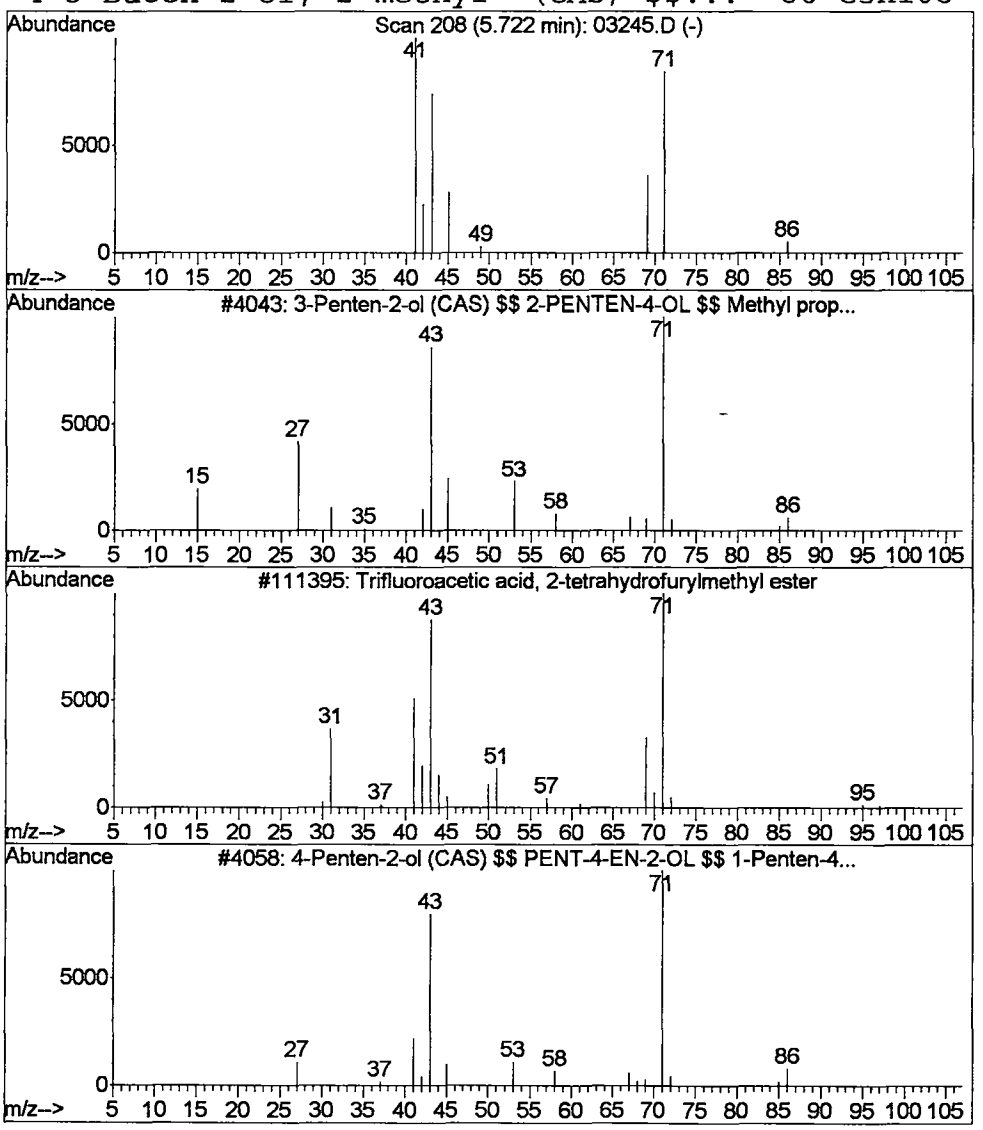
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

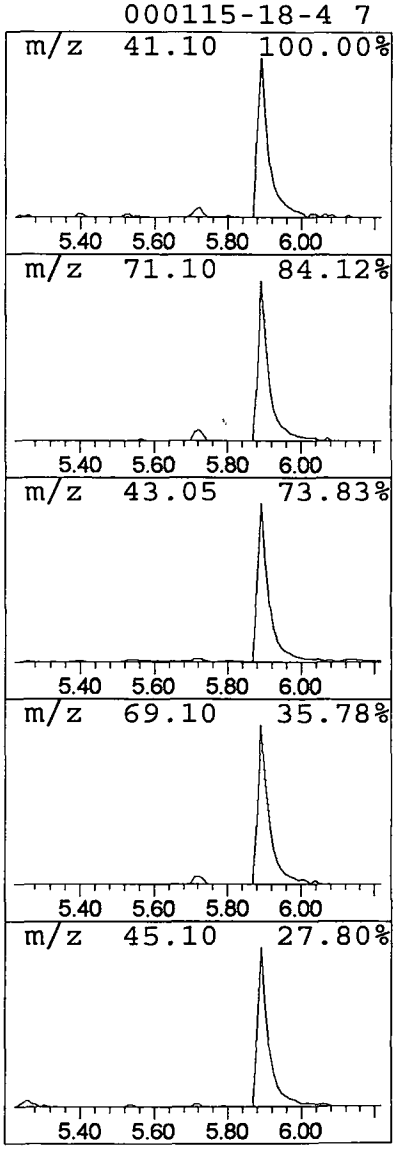
****

Peak Number 9 3-Penten-2-ol (CAS) $$ 2-PE... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	0.06 ug/L	25258	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-ol (CAS) $$ 2-PENTEN-...	86	C5H10O	001569-50-2	56
2	Trifluoroacetic acid, 2-tetrahyd...	198	C7H9F3O3	000000-00-0	9
3	4-Penten-2-ol (CAS) $$ PENT-4-EN...	86	C5H10O	000625-31-0	7
4	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	7





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Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
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Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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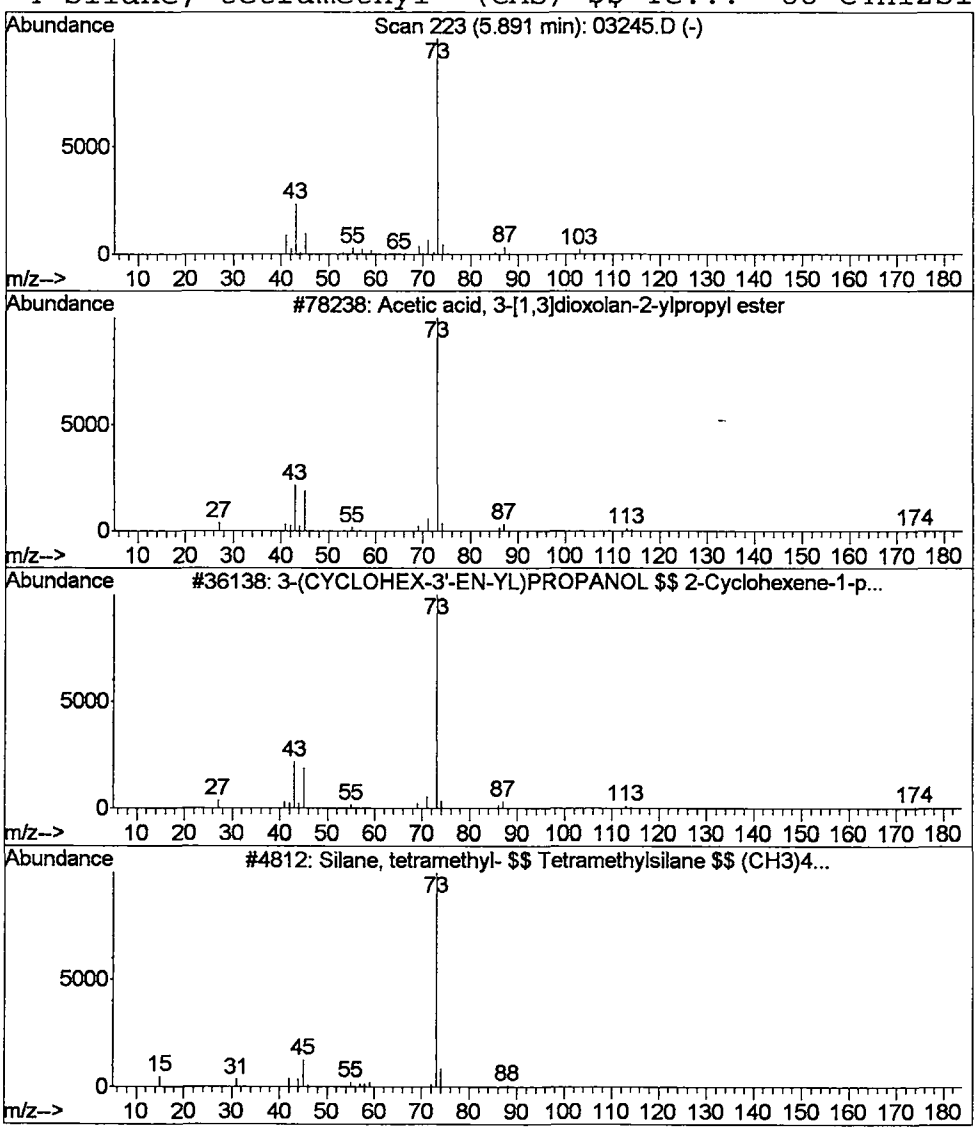
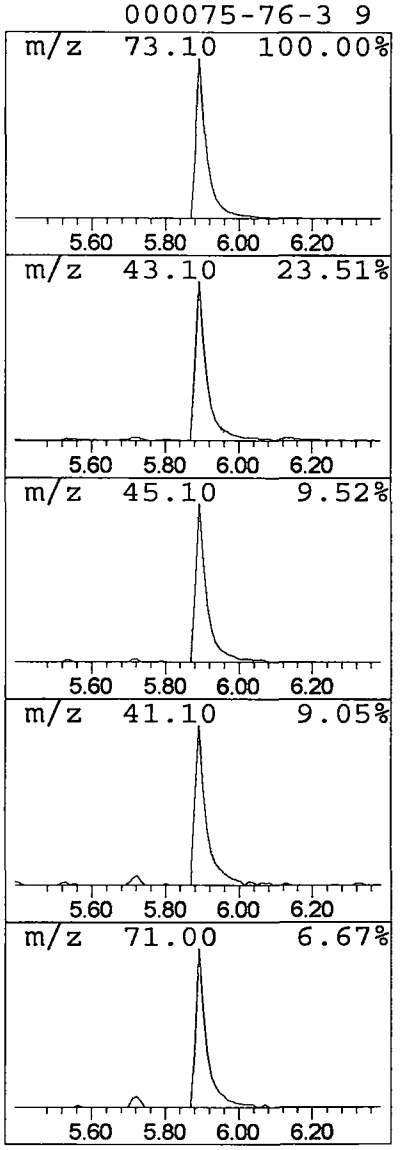
Peak Number 10 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.84 ug/L	2146070	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	28
4	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	9





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Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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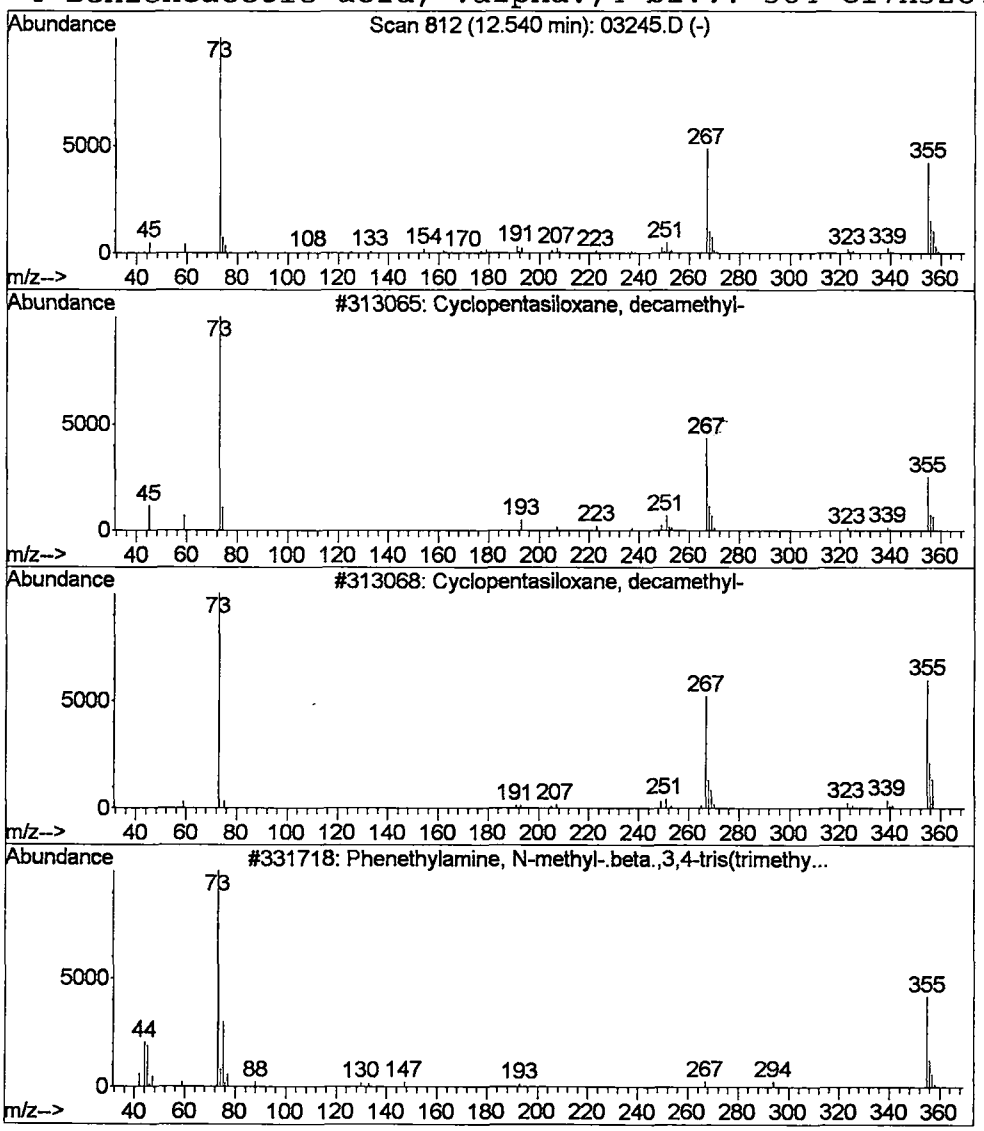
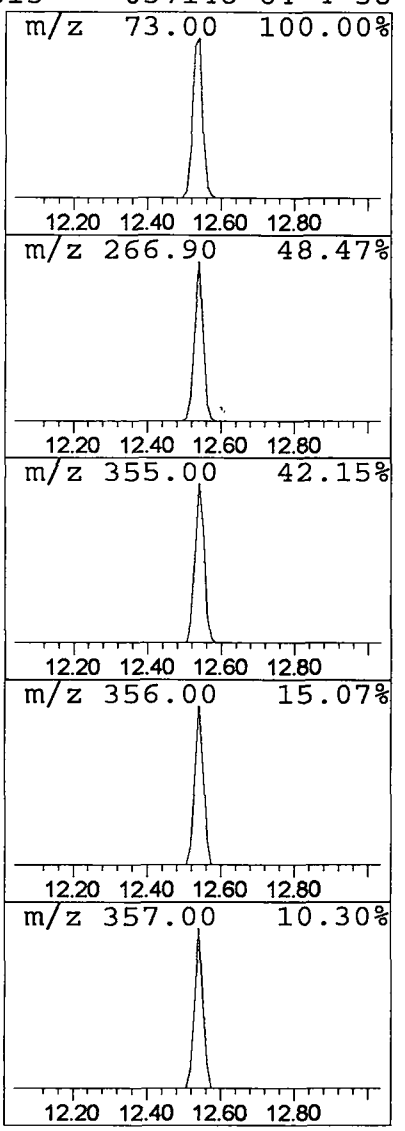
Peak Number 11 Cyclopentasiloxane, decamet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.75 ug/L	488749	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	59
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	49
3	Phenethylamine, N-methyl-.beta.,...	399	C18H37NO3Si3	010538-85-9	38
4	Benzeneacetic acid, .alpha.,4-bi...	384	C17H32O4Si3	037148-64-4	38





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Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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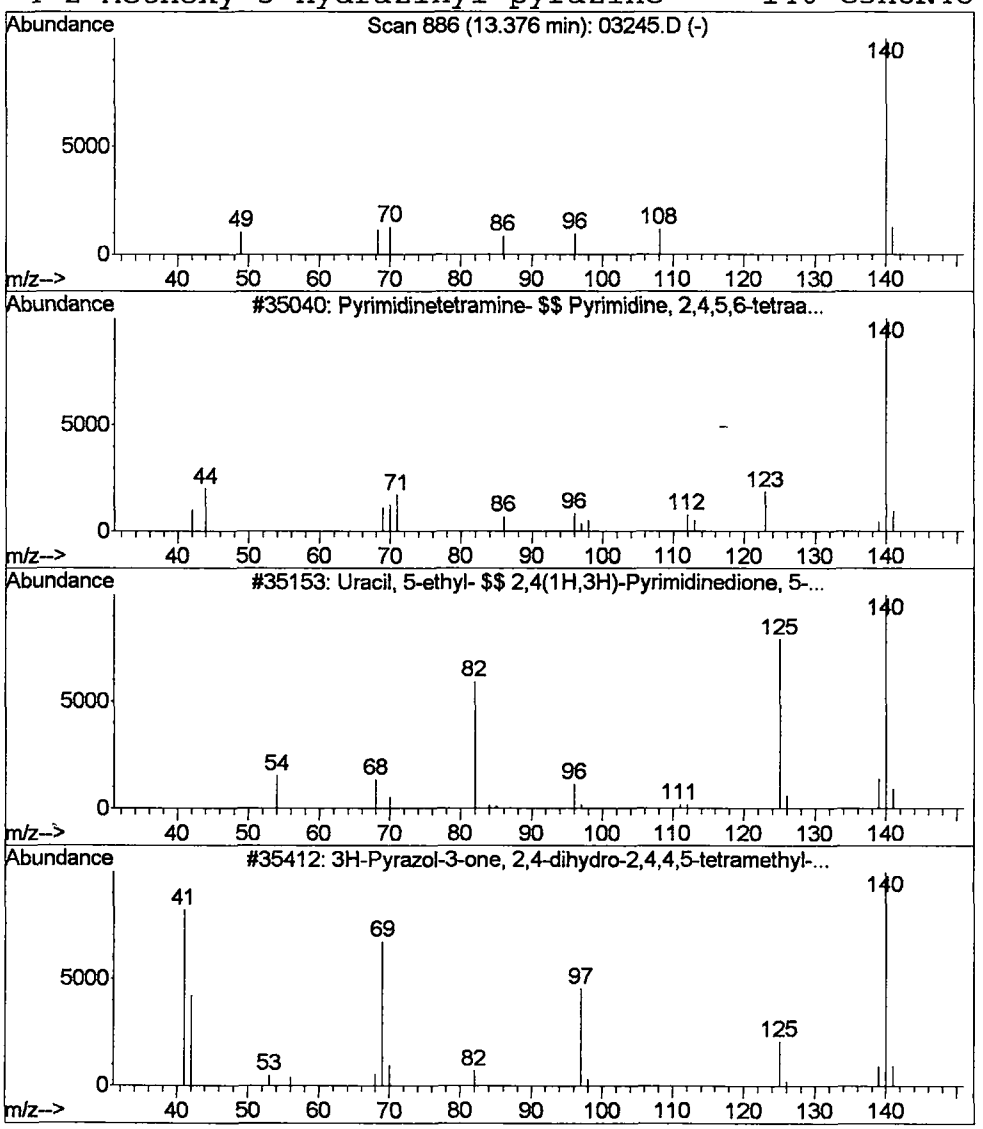
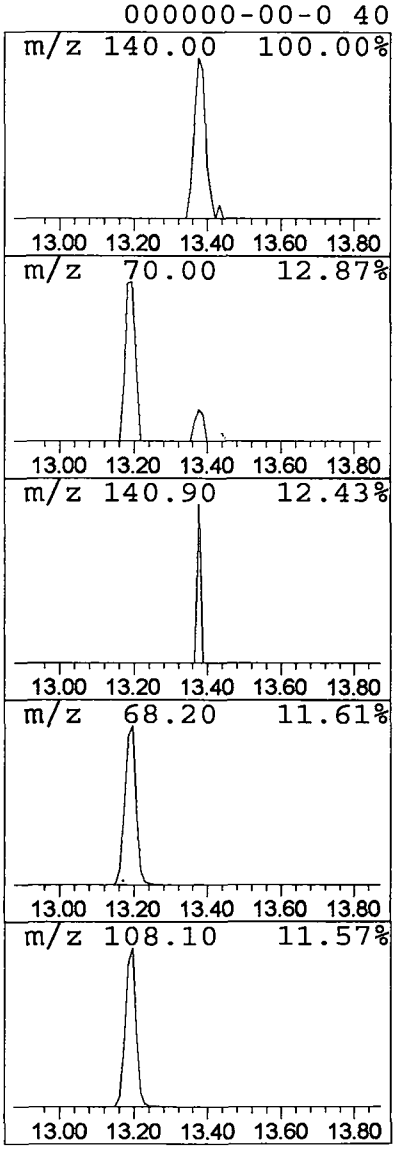
Peak Number 12 Pyrimidinetetramine- $$ Pyr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.04 ug/L	27203	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrimidinetetramine- $$ Pyrimidi...	140	C4H8N6	001004-74-6	64
2	Uracil, 5-ethyl- $$ 2,4(1H,3H)-P...	140	C6H8N2O2	004212-49-1	50
3	3H-Pyrazol-3-one, 2,4-dihydro-2,...	140	C7H12N2O	003201-25-0	42
4	2-Methoxy-3-hydrazinyl-pyrazine	140	C5H8N4O	000000-00-0	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR01\03245.D Vial: 6
Acq On : 1 Mar 2002 2:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 1, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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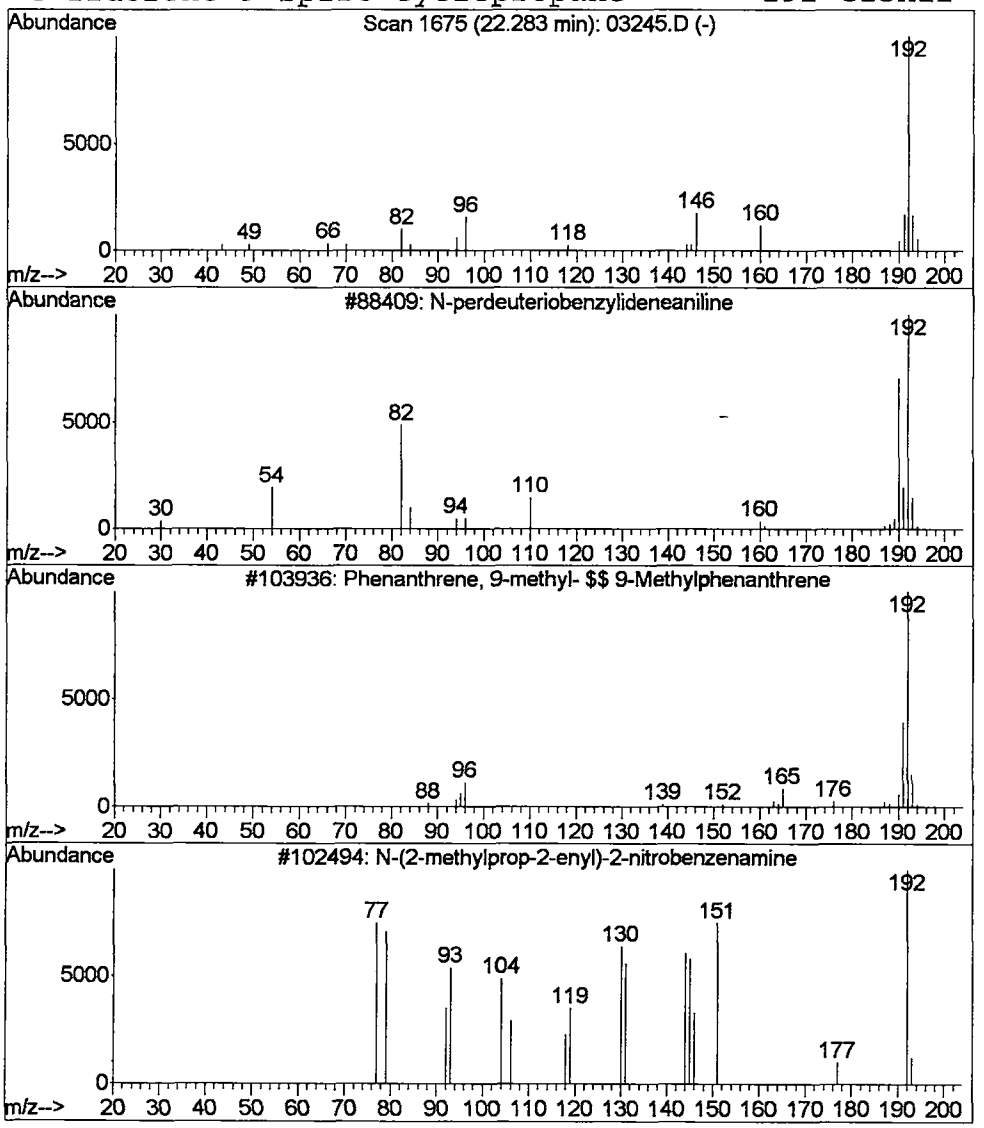
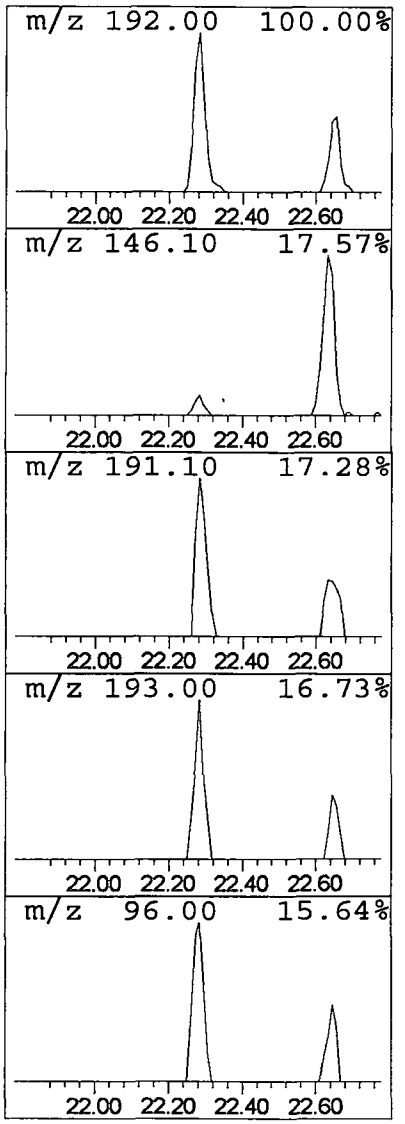
Peak Number 13 N-perdeuteriobenzylideneani... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	92936	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
2	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	53
3	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	46
4	fluorene-9-spiro-cyclopropane	192	C15H12	000000-00-0	42





Operator ID: Date Acquired: 1 Mar 2002 2:28 pm
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Misc: March 1, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP022102.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...	3.62	0.1	ug/L	57614	1	9.71	8860710	20.0
ISOBUTYRALDEHYDE,...	3.93	0.1	ug/L	31181	1	9.71	8860710	20.0
2-Butenal, 2-meth...	3.99	0.1	ug/L	32287	1	9.71	8860710	20.0
2-Propenoic acid,...	4.25	0.1	ug/L	56354	1	9.71	8860710	20.0
Butanoic acid, 2-...	4.64	0.2	ug/L	73860	1	9.71	8860710	20.0
2-Butenal, 3-meth...	4.85	0.3	ug/L	118049	1	9.71	8860710	20.0
Butenol, methyl-	5.02	0.1	ug/L	41616	1	9.71	8860710	20.0
3-Hexanol (CAS) $...	5.53	0.1	ug/L	29253	1	9.71	8860710	20.0
3-Penten-2-ol (CA...	5.72	0.1	ug/L	25258	1	9.71	8860710	20.0
Acetic acid, 3-[1...	5.89	4.8	ug/L	2146070	1	9.71	8860710	20.0
Cyclopentasiloxan...	12.54	0.8	ug/L	488749	2	13.20	13027700	20.0
Pyrimidinetetrami...	13.38	0.0	ug/L	27203	2	13.20	13027700	20.0
N-perdeuteriobenz...	22.28	0.1	ug/L	92936	4	22.63	14547900	20.0