User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/26/2002 Time: 11:12:48

Sample: AE00472
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/26/02 11:11 Ended: 2/26/02 11:11 Analyst: DLV
Page: 1

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

dirty glassware

Comments for Sample AE00472 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-26-2002 Time: 11:12:58

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 21 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 20 15:39:27 2002 Quant Results File: HP020702.RES

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Feb 20 11:48:57 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

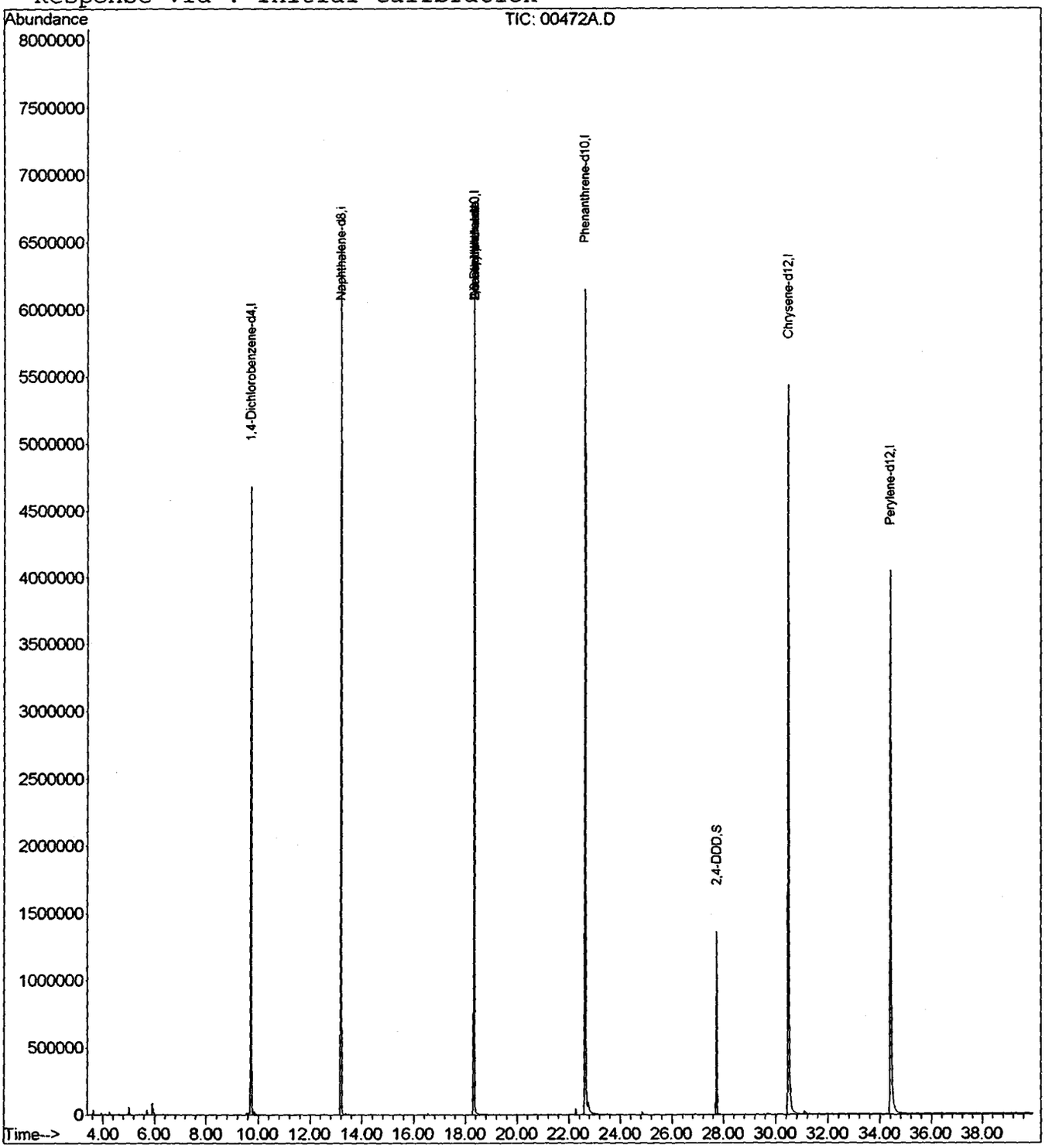
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1543502	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	6491977	20.00	ug/L	-0.01
17) Acenaphthene-d10	18.34	164	3308595	20.00	ug/L	0.00
29) Phenanthrene-d10	22.63	188	5392932	20.00	ug/L	-0.01
38) Chrysene-d12	30.49	240	4626632	20.00	ug/L	-0.03
44) Perylene-d12	34.42	264	3229802	20.00	ug/L	-0.03
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	509802	5.74	ug/L	0.00
Spiked Amount 5.000			Recovery = 114.80%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	533995	2.66	ug/L #	58
21) 2,6-Dinitrotoluene	18.34	165	416326	8.98	ug/L #	27

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

Quantitation Report

Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 20 15:39 2002 Quant Results File: HP020702.R

Method : C:\MSDCHEM\1\METHODS\METHODS\HP020702.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Feb 20 11:48:57 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\HP020702.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

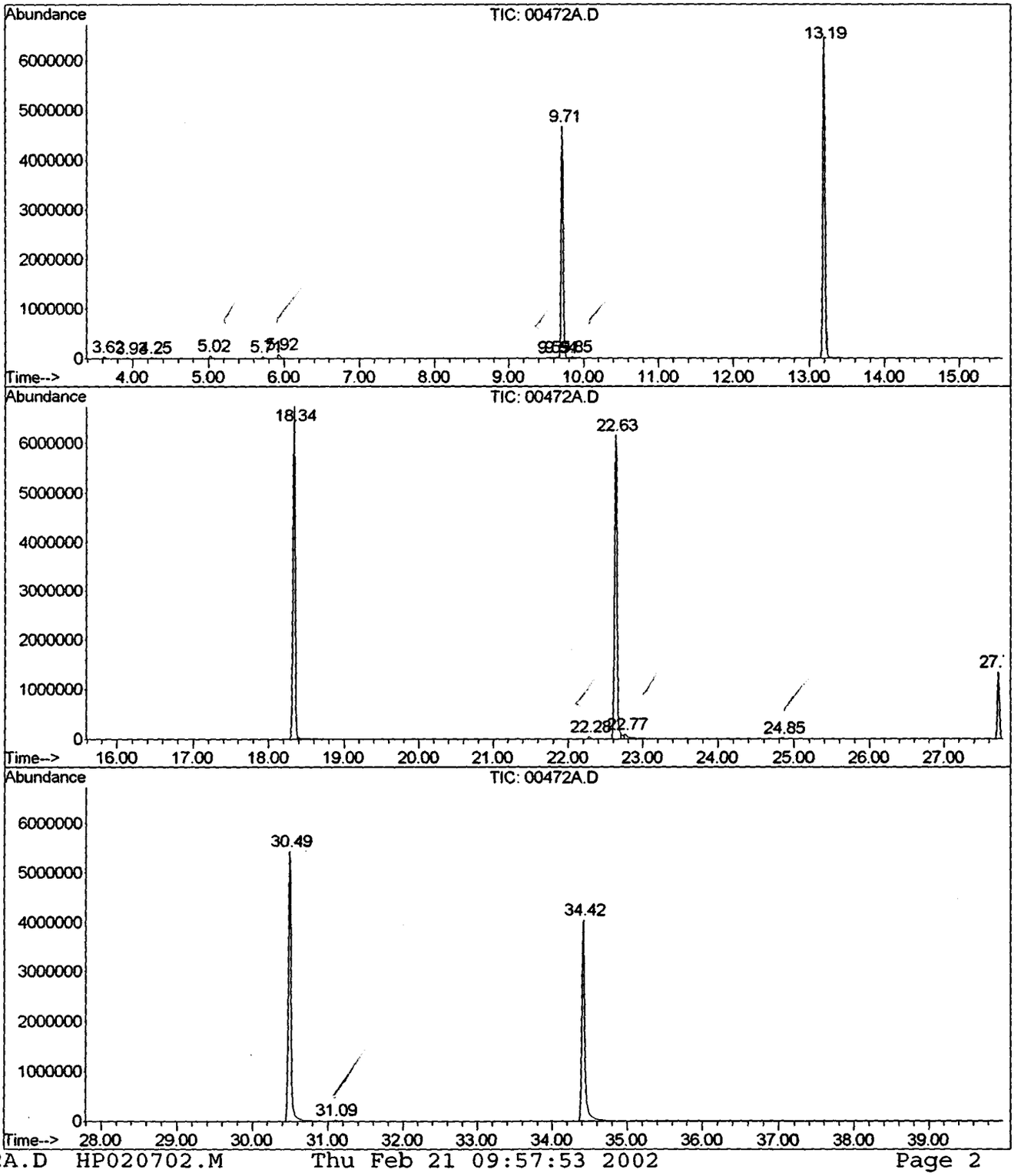
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.625	17	22	27	rBV	38657	75218	0.53%	0.098%
2	3.933	45	49	53	rBV	17379	30261	0.21%	0.039%
3	4.253	73	77	85	rBV3	24299	52199	0.37%	0.068%
4	5.018	141	144	149	rVV	61199	100357	0.71%	0.130%
5	5.714	201	205	209	rBV2	38247	63749	0.45%	0.083%
6	5.920	219	223	239	rBV	90332	202328	1.42%	0.262%
7	9.550	539	541	547	rBV	20278	55439	0.39%	0.072%
8	9.642	547	549	551	rVV	21581	43613	0.31%	0.057%
9	9.710	551	555	561	rVV	4682949	8797630	61.92%	11.406%
10	9.847	565	567	581	rVB	27211	94347	0.66%	0.122%
11	13.192	855	860	865	rBV	6479378	12417279	87.40%	16.099%
12	18.341	1305	1311	1315	rBV	6737495	13272877	93.42%	17.209%
13	22.280	1651	1656	1661	rBV2	48722	97548	0.69%	0.126%
14	22.634	1681	1687	1693	rBV2	6152048	14207194	100.00%	18.420%
15	22.771	1697	1699	1717	rVB	91916	331994	2.34%	0.430%
16	24.849	1877	1881	1885	rBV	27438	51117	0.36%	0.066%
17	27.726	2129	2133	2139	rBV	1361956	2472099	17.40%	3.205%
18	30.489	2369	2375	2401	rBV2	5440902	13687453	96.34%	17.746%
19	31.094	2423	2428	2441	rVB	26707	94749	0.67%	0.123%
20	34.416	2713	2719	2757	rBV	4049413	10981960	77.30%	14.238%

Sum of corrected areas: 77129411

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D
Operator :
Acquired : 7 Feb 2002 12:42 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan re-ext.
Misc Info : February 7, 2002
Vial Number: 3
Quant File :HP020702.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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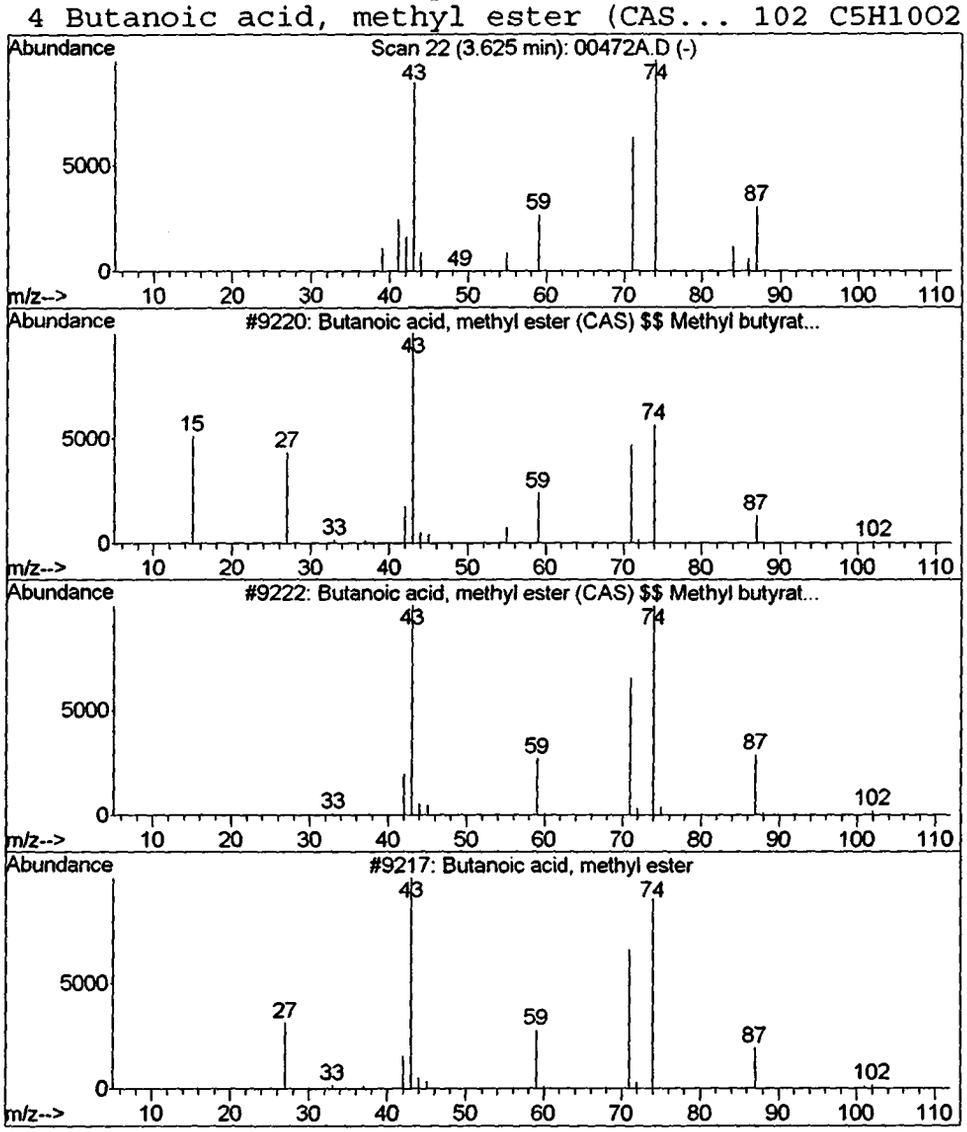
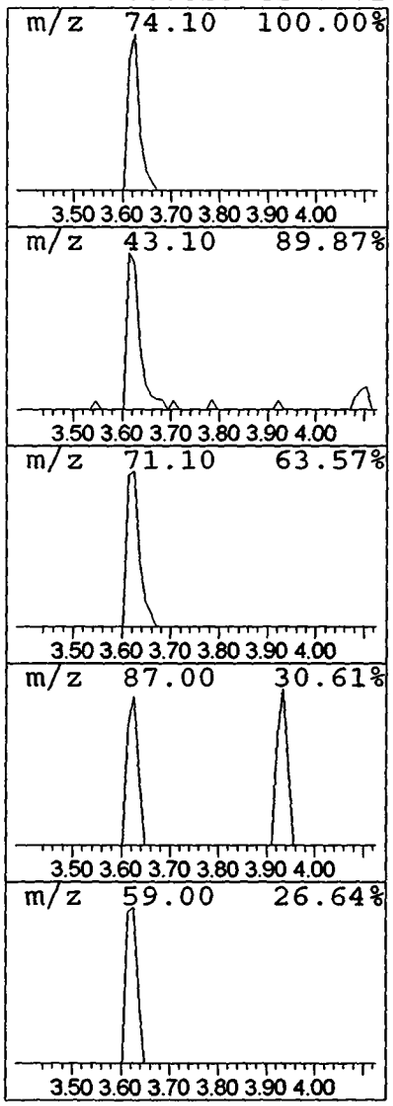
Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.17 ug/L	75218	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	78
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	72
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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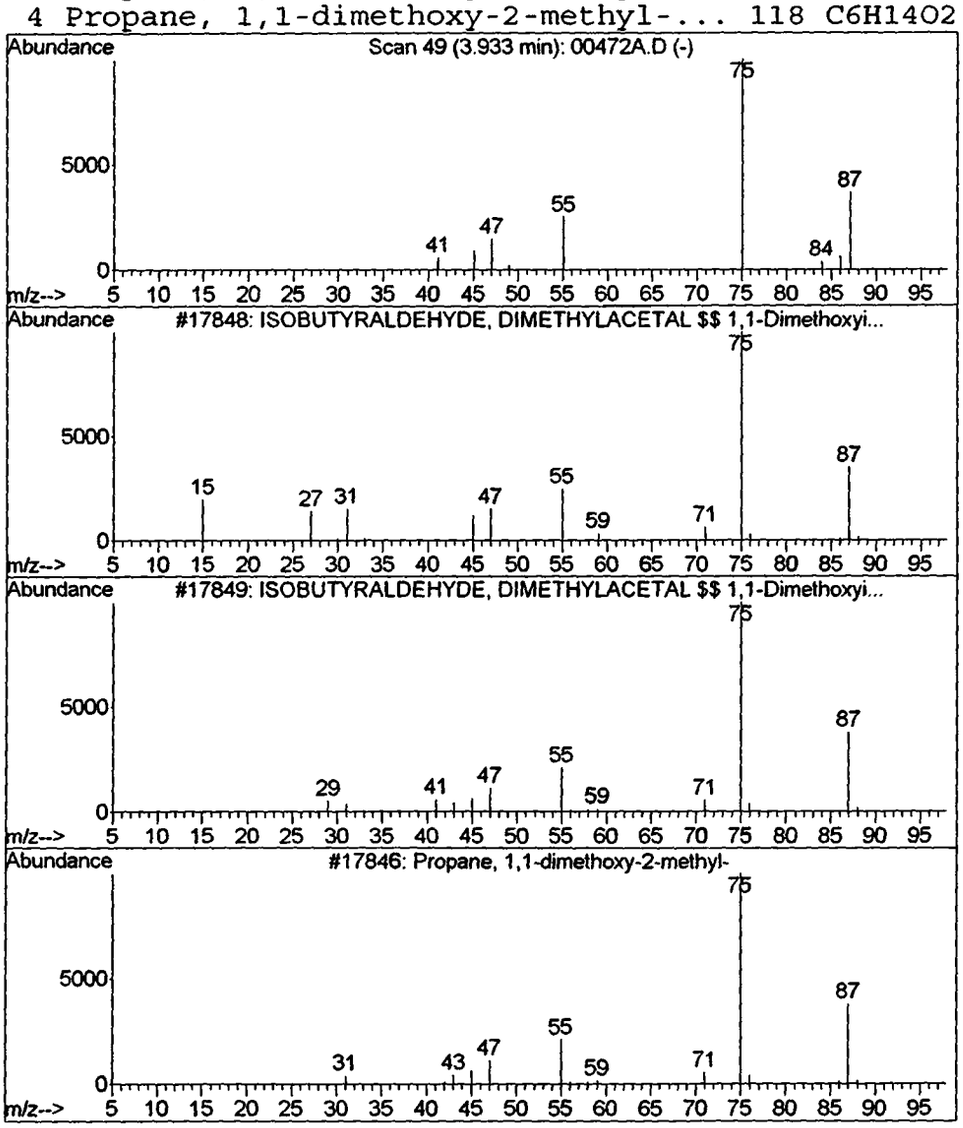
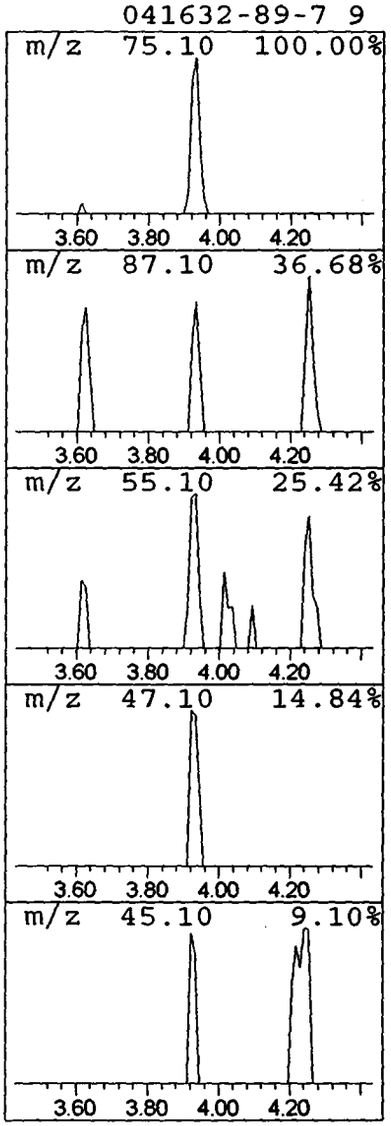
Peak Number 2 ISOBUTYRALDEHYDE, DIMETHYLA... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.07 ug/L	30261	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	64
2	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	64
3	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	64
4	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	9





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Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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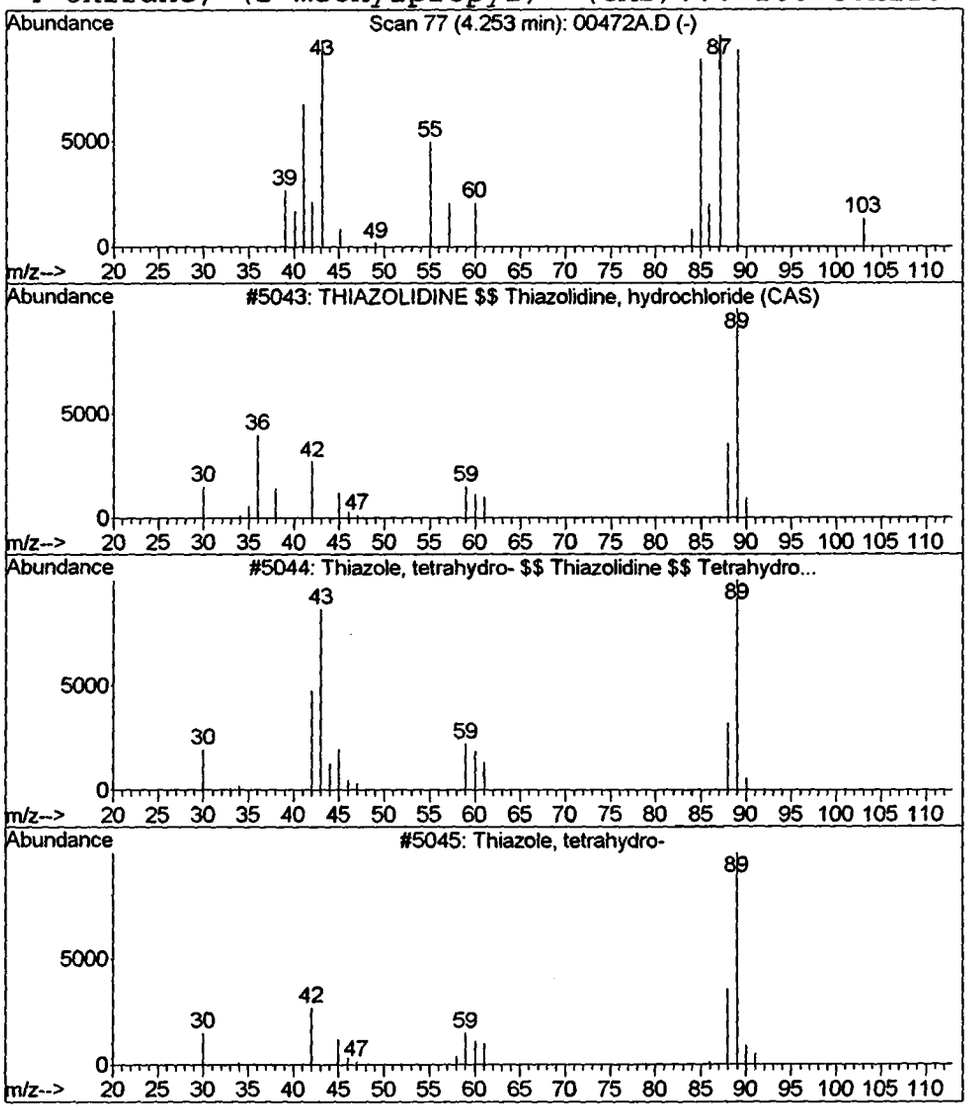
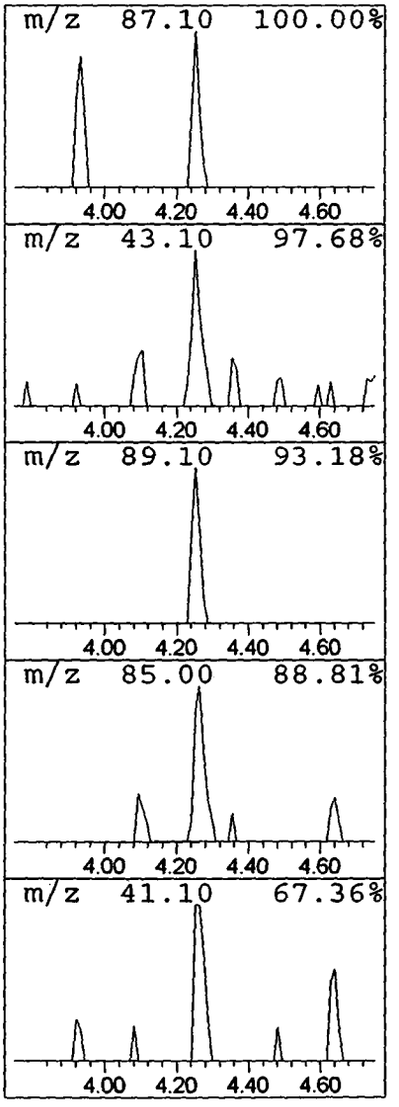
Peak Number 3 THIAZOLIDINE $$ Thiazolidin... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.12 ug/L	52199	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	THIAZOLIDINE $$ Thiazolidine, hy...	89	C3H7NS	014446-47-0	9
2	Thiazole, tetrahydro- $$ Thiazol...	89	C3H7NS	000504-78-9	9
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	9
4	Oxirane, (2-methylpropyl)- (CAS)...	100	C6H12O	023850-78-4	9





Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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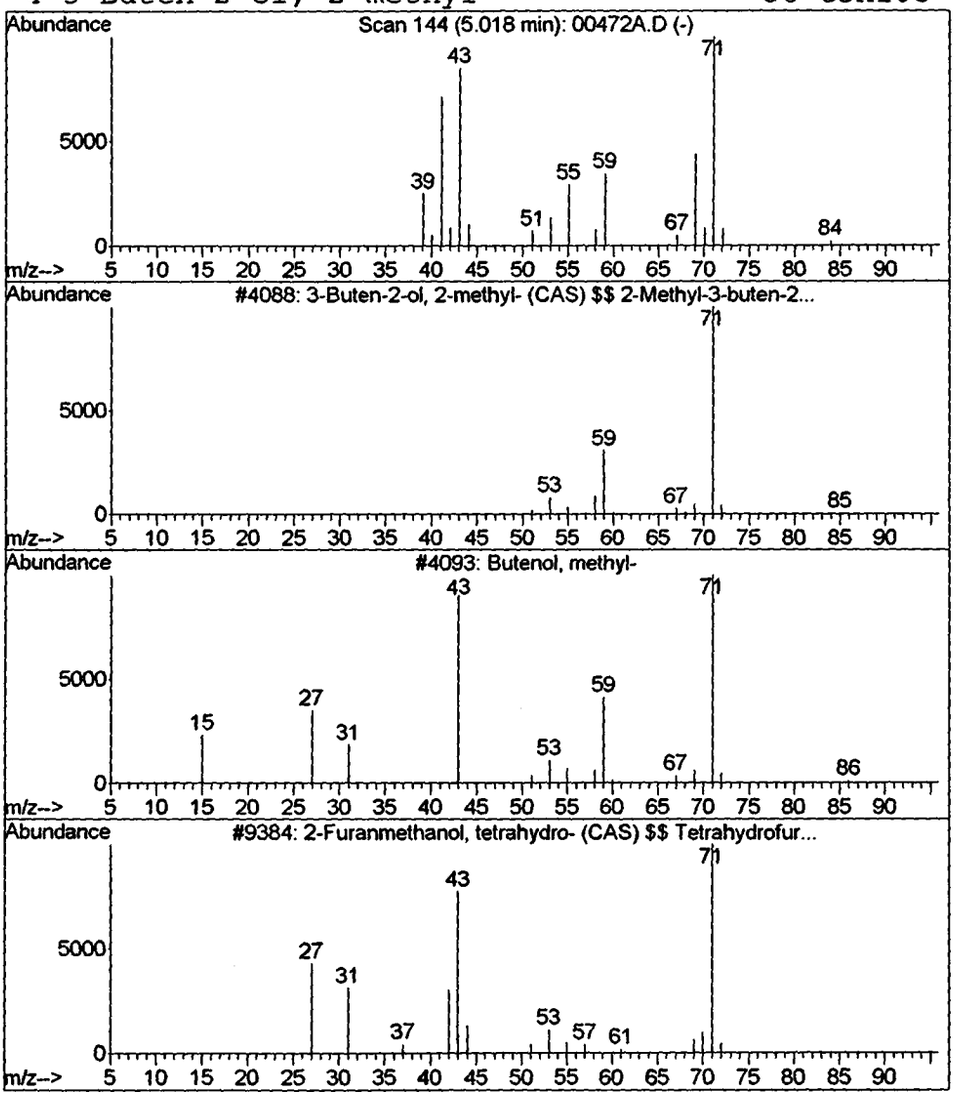
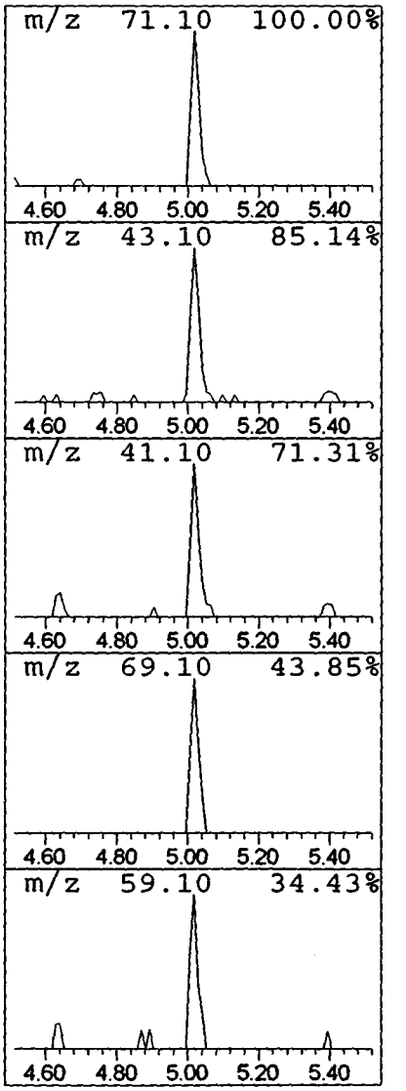
Peak Number 4 3-Buten-2-ol, 2-methyl- (CA... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.23 ug/L	100357	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	78
2	Butenol, methyl-	86	C5H10O	060766-00-9	72
3	2-Furanmethanol, tetrahydro- (CA...	102	C5H10O2	000097-99-4	64
4	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	64





Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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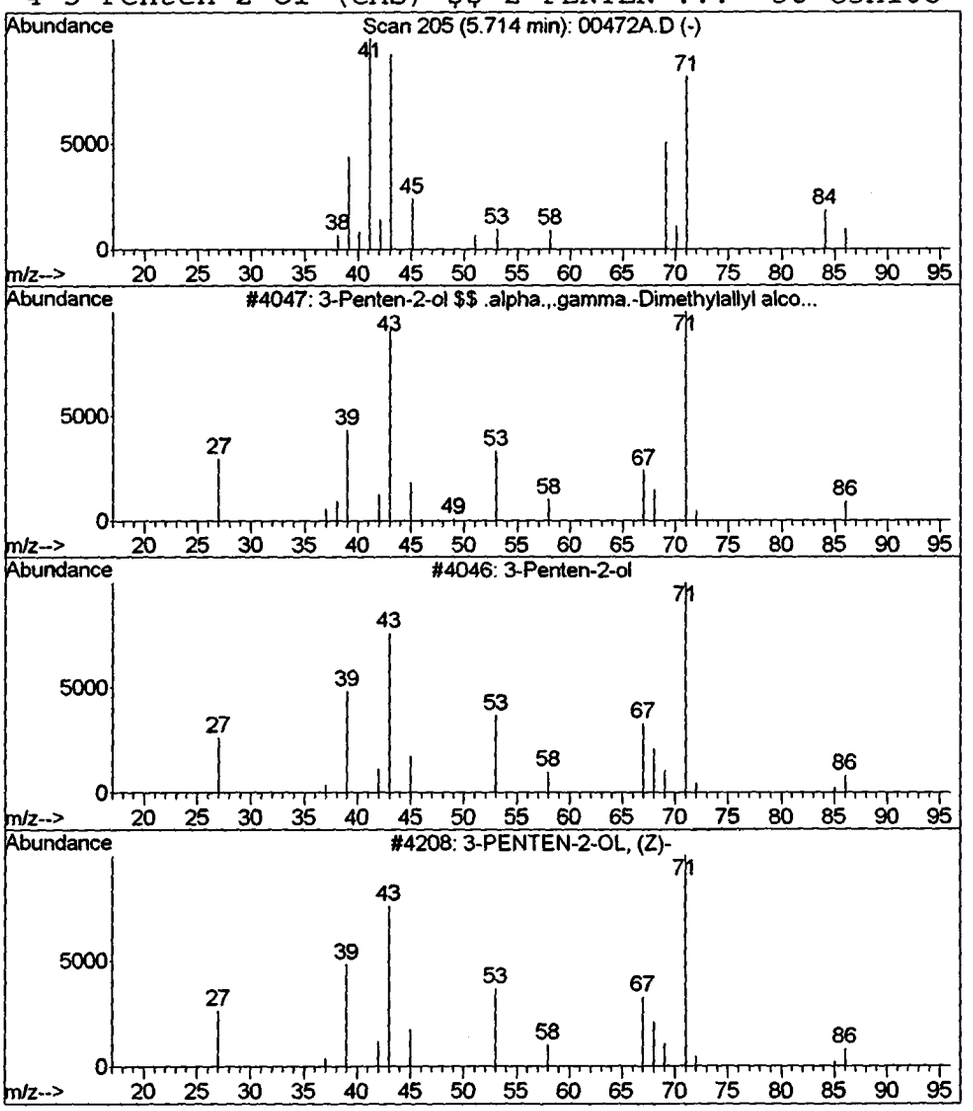
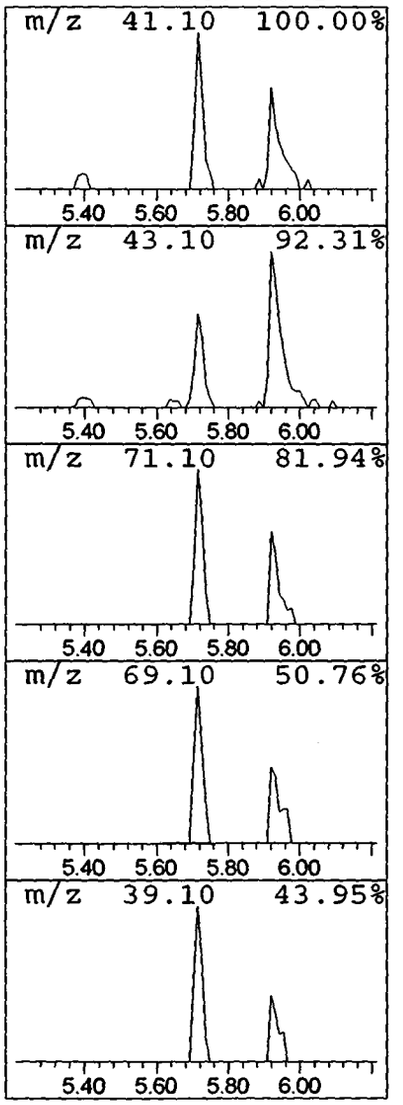
Peak Number 5 3-Penten-2-ol $$ .alpha.,.g... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	0.14 ug/L	63749	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-ol $$ .alpha.,.gamma....	86	C5H10O	001569-50-2	64
2	3-Penten-2-ol	86	C5H10O	001569-50-2	50
3	3-PENTEN-2-OL, (Z)-	86	C5H10O	024652-50-4	50
4	3-Penten-2-ol (CAS) $$ 2-PENTEN-...	86	C5H10O	001569-50-2	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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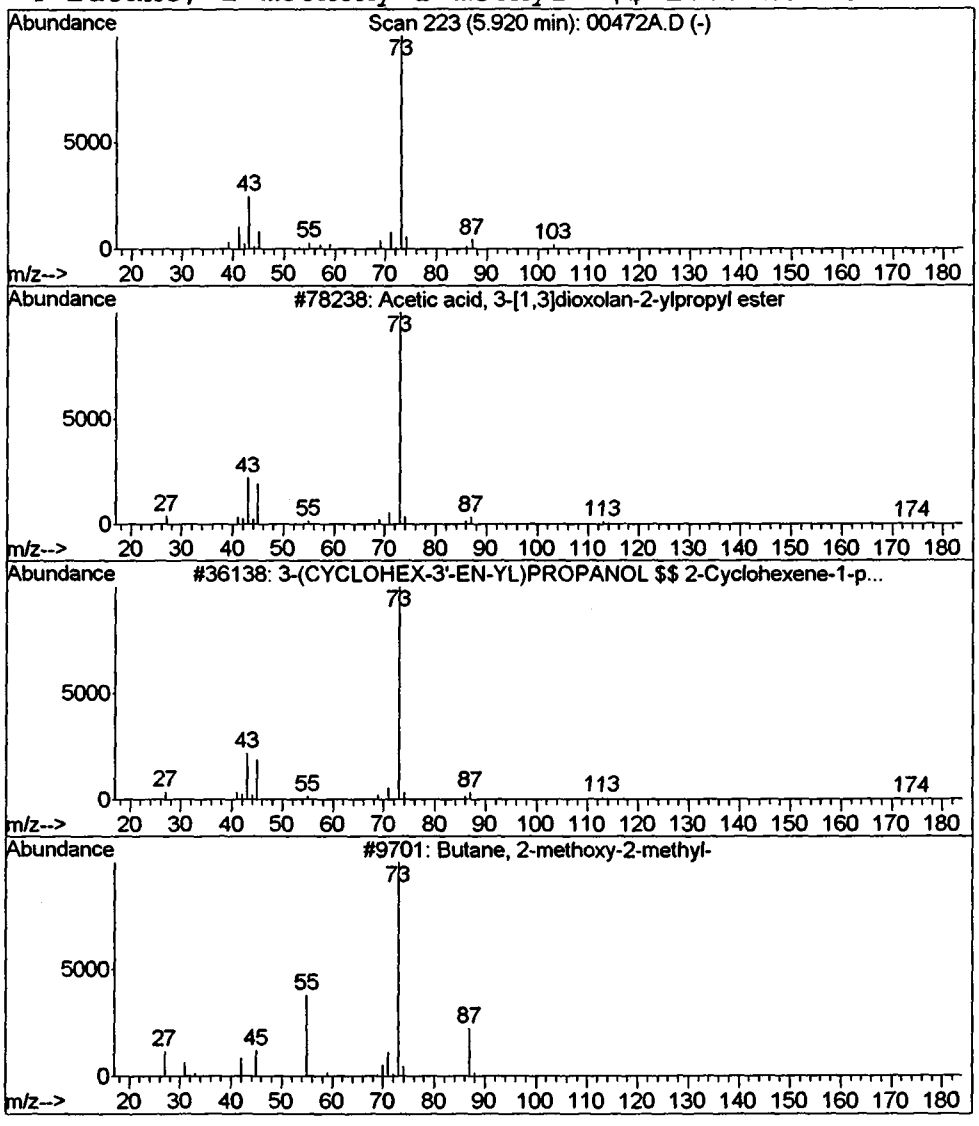
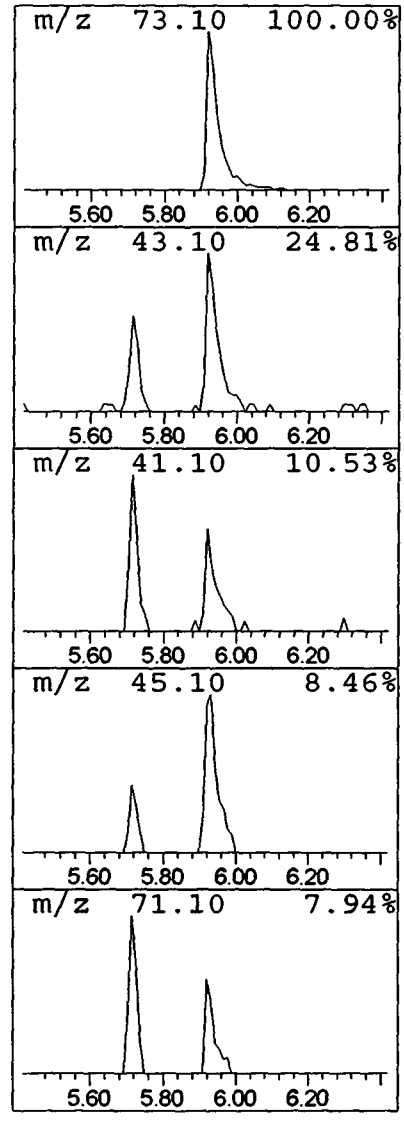
Peak Number 6 Acetic acid, 3-[1,3]dioxola... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	0.46 ug/L	202328	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	42
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	42
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	36
4	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	36





Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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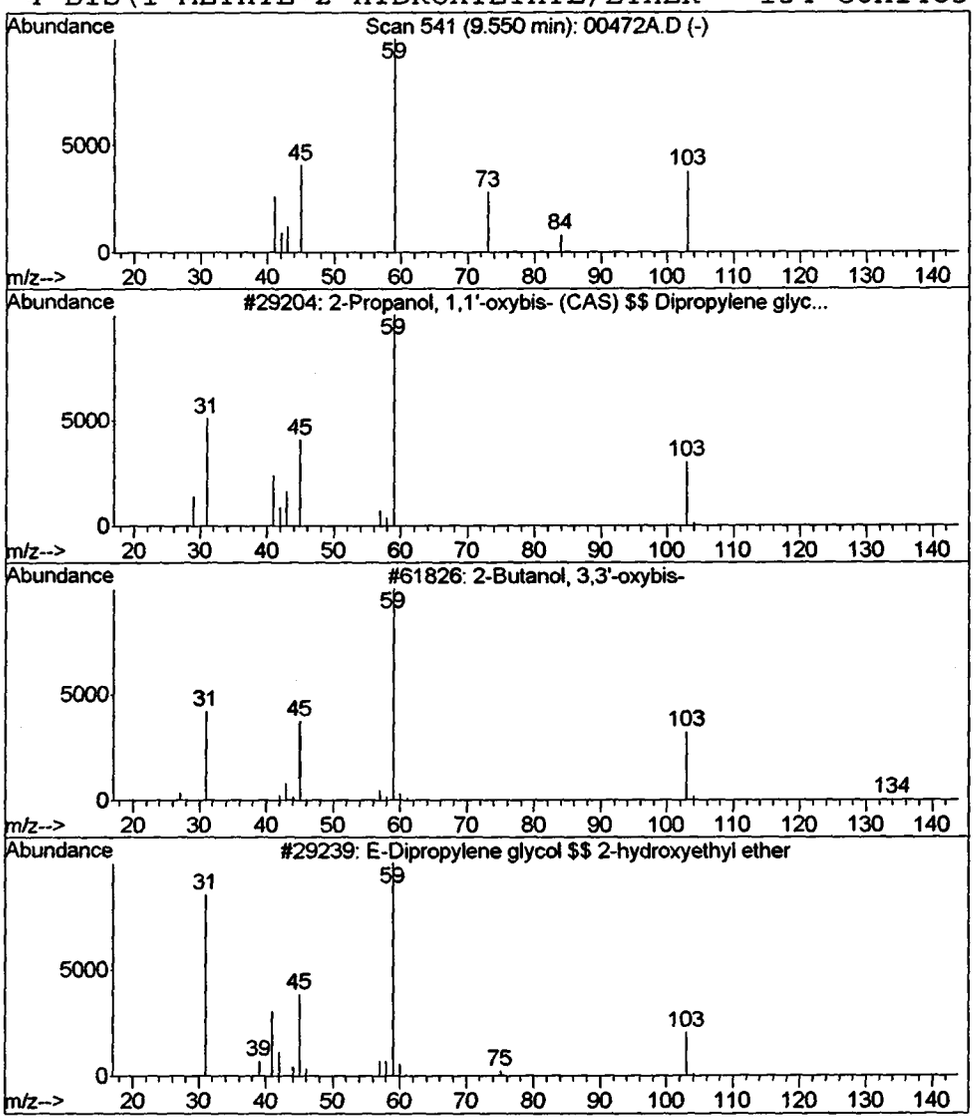
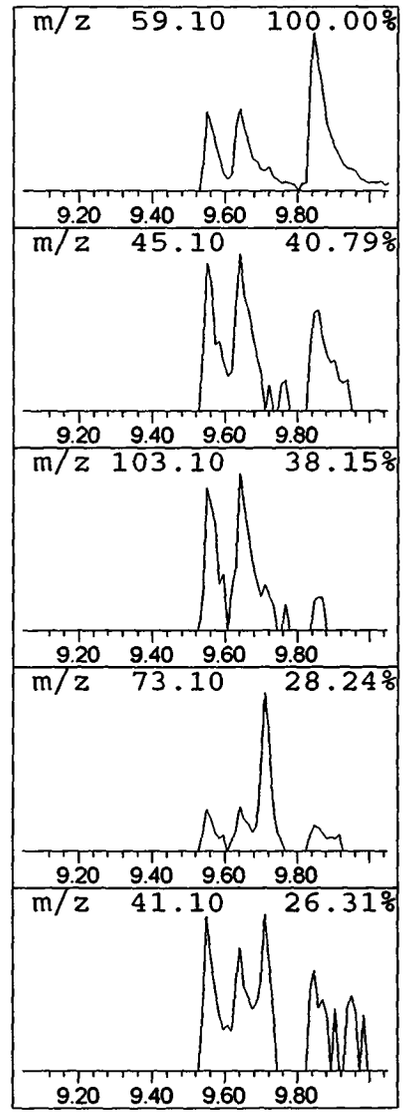
Peak Number 7 2-Propanol, 1,1'-oxybis- (C... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	0.13 ug/L	55439	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	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	9
3	E-Dipropylene glycol $$ 2-hydrox...	134	C6H14O3	000000-00-0	9
4	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	9





Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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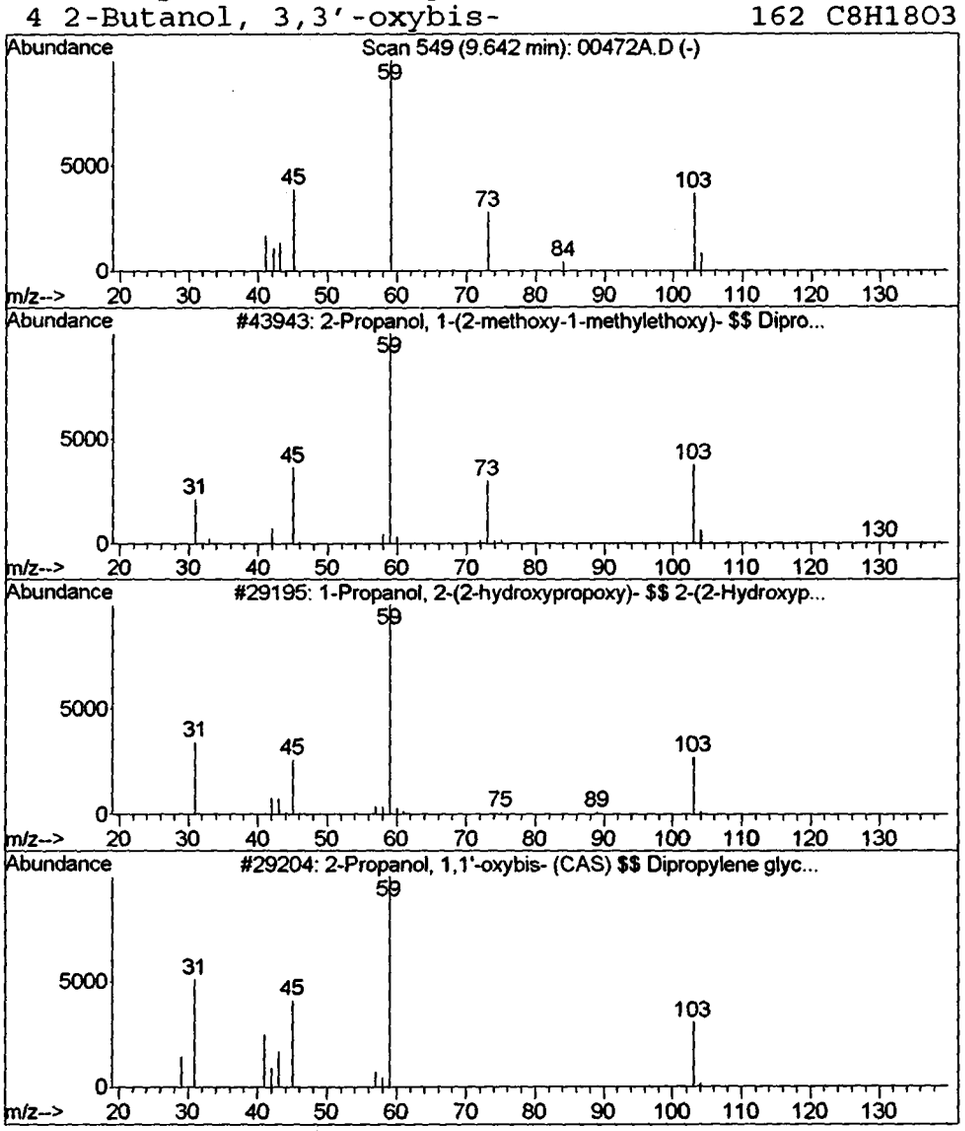
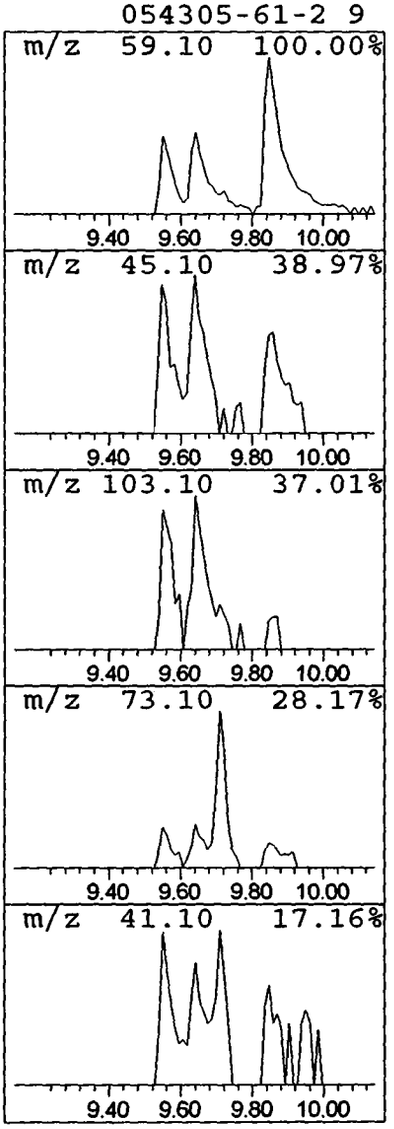
Peak Number 8 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	0.10 ug/L	43613	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	83
2	1-Propanol, 2-(2-hydroxypropoxy)...	134	C6H14O3	000106-62-7	39
3	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	9
4	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	9





Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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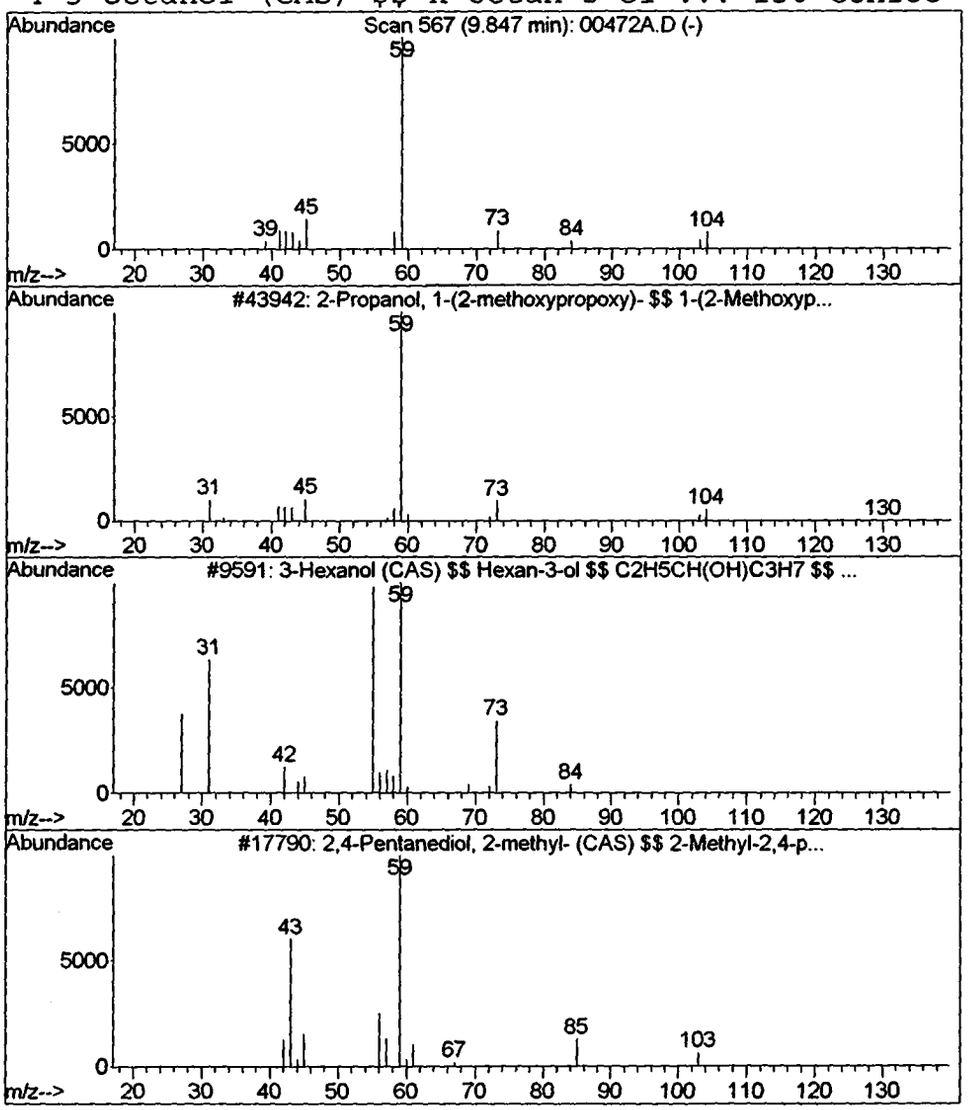
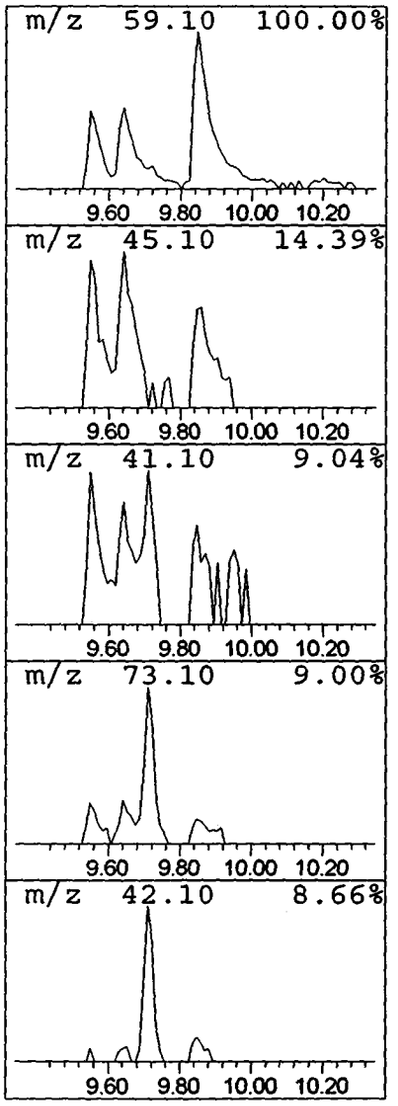
Peak Number 9 2-Propanol, 1-(2-methoxypro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.21 ug/L	94347	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	72
2	3-Hexanol (CAS) $$ Hexan-3-ol $$...	102	C6H14O	000623-37-0	9
3	2,4-Pentanediol, 2-methyl- (CAS)...	118	C6H14O2	000107-41-5	9
4	3-Octanol (CAS) $$ n-Octan-3-ol ...	130	C8H18O	000589-98-0	9





Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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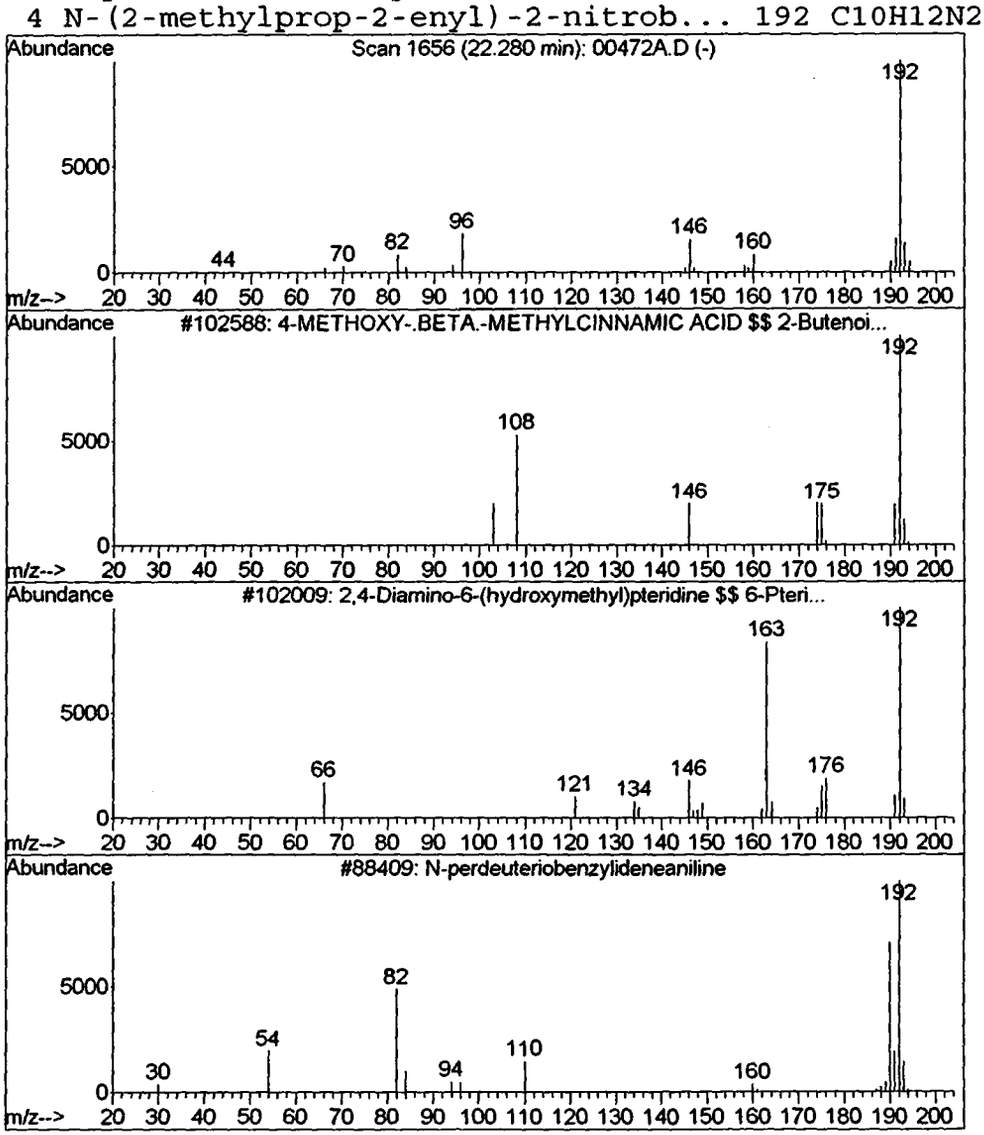
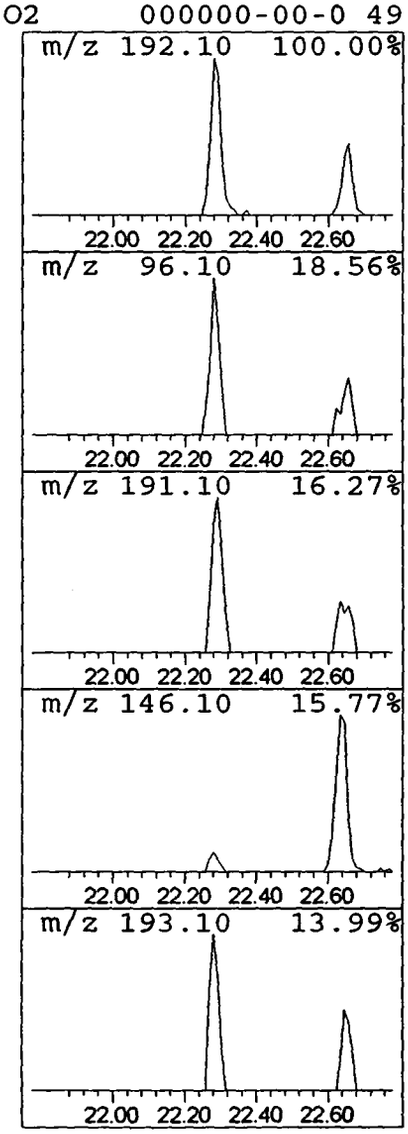
Peak Number 10 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	97548	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
3	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58
4	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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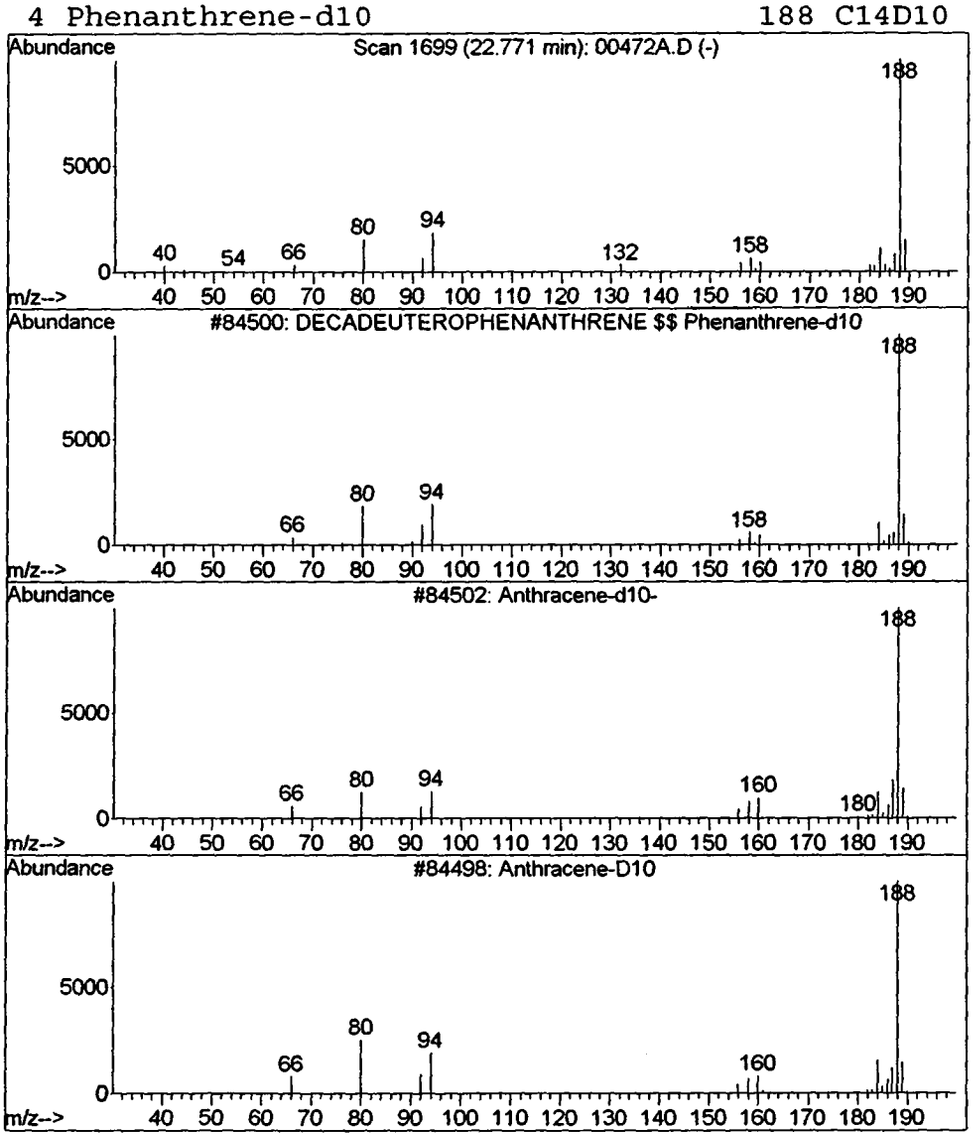
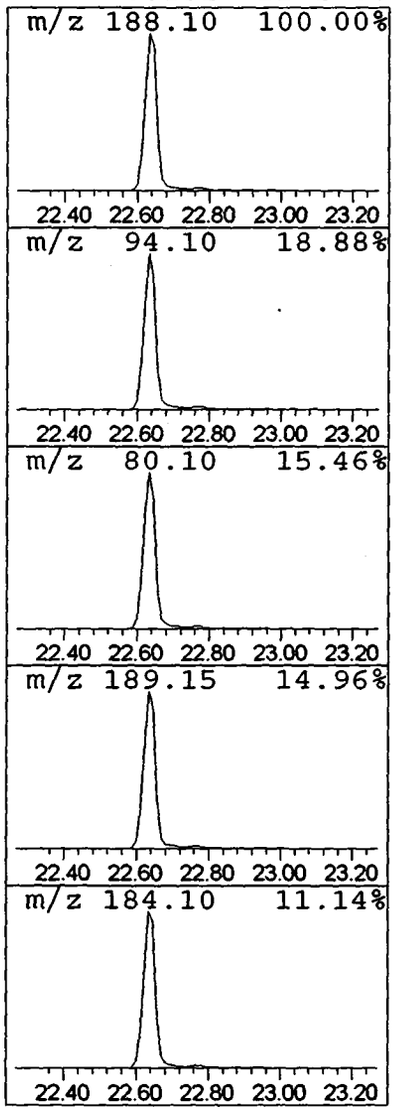
Peak Number 11 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.47 ug/L	331994	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	90
2	Anthracene-d10-	188	C14D10	001719-06-8	86
3	Anthracene-D10	188	C14D10	000000-00-0	86
4	Phenanthrene-d10	188	C14D10	001517-22-2	86





Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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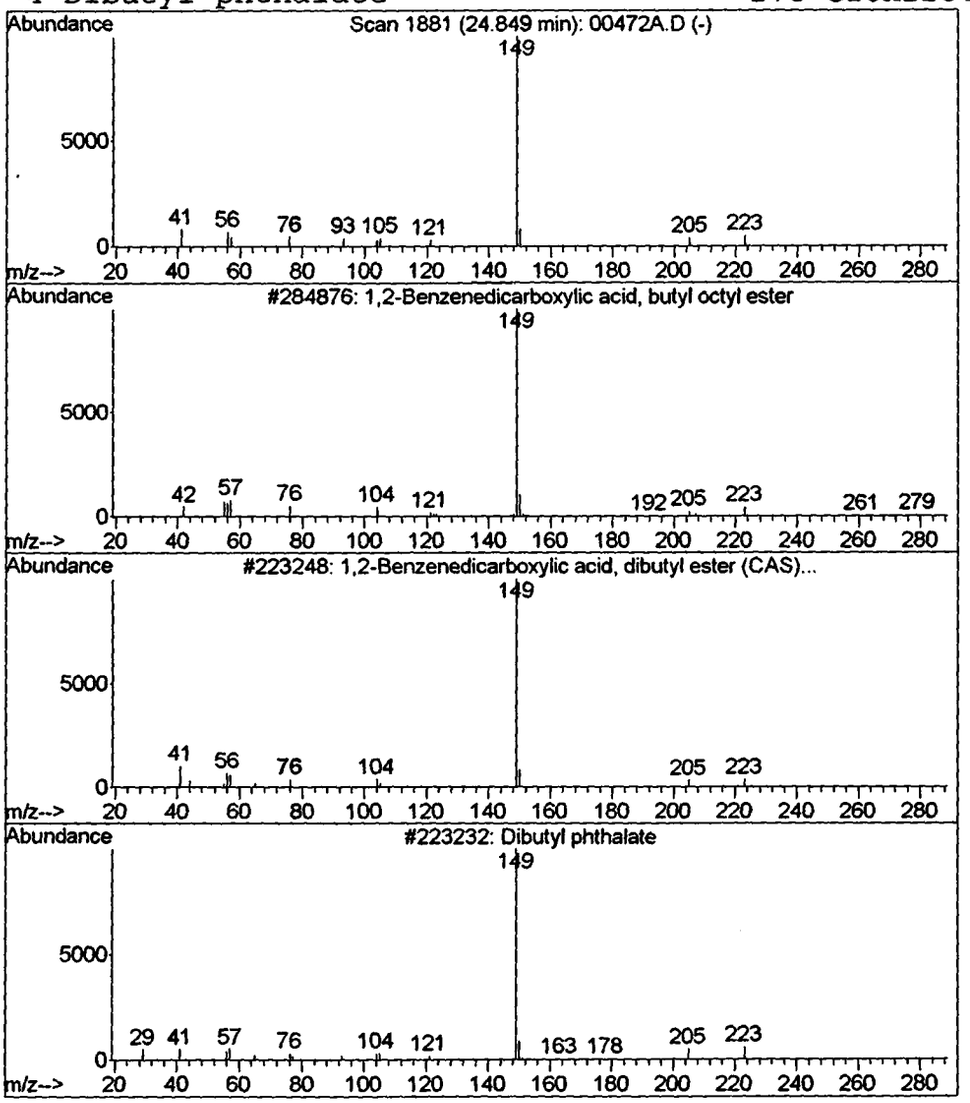
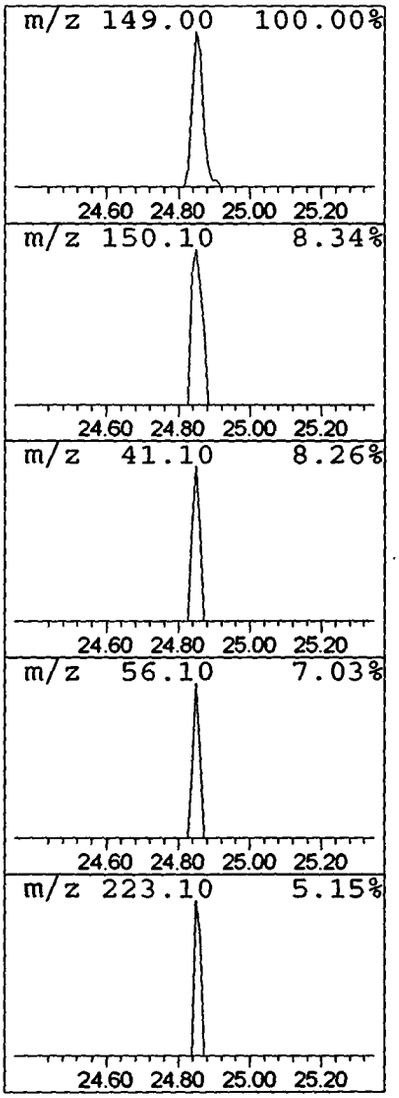
Peak Number 12 1,2-Benzenedicarboxylic aci... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.85	0.07 ug/L	51117	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000084-78-6	83
2	1,2-Benzenedicarboxylic acid, di...	278	C16H22O4	000084-74-2	83
3	Dibutyl phthalate	278	C16H22O4	000084-74-2	83
4	Dibutyl phthalate	278	C16H22O4	000084-74-2	83





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB07\00472A.D Vial: 3
Acq On : 7 Feb 2002 12:42 pm Operator:
Sample : 508 scan re-ext. Inst : Instrumen
Misc : February 7, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP020702.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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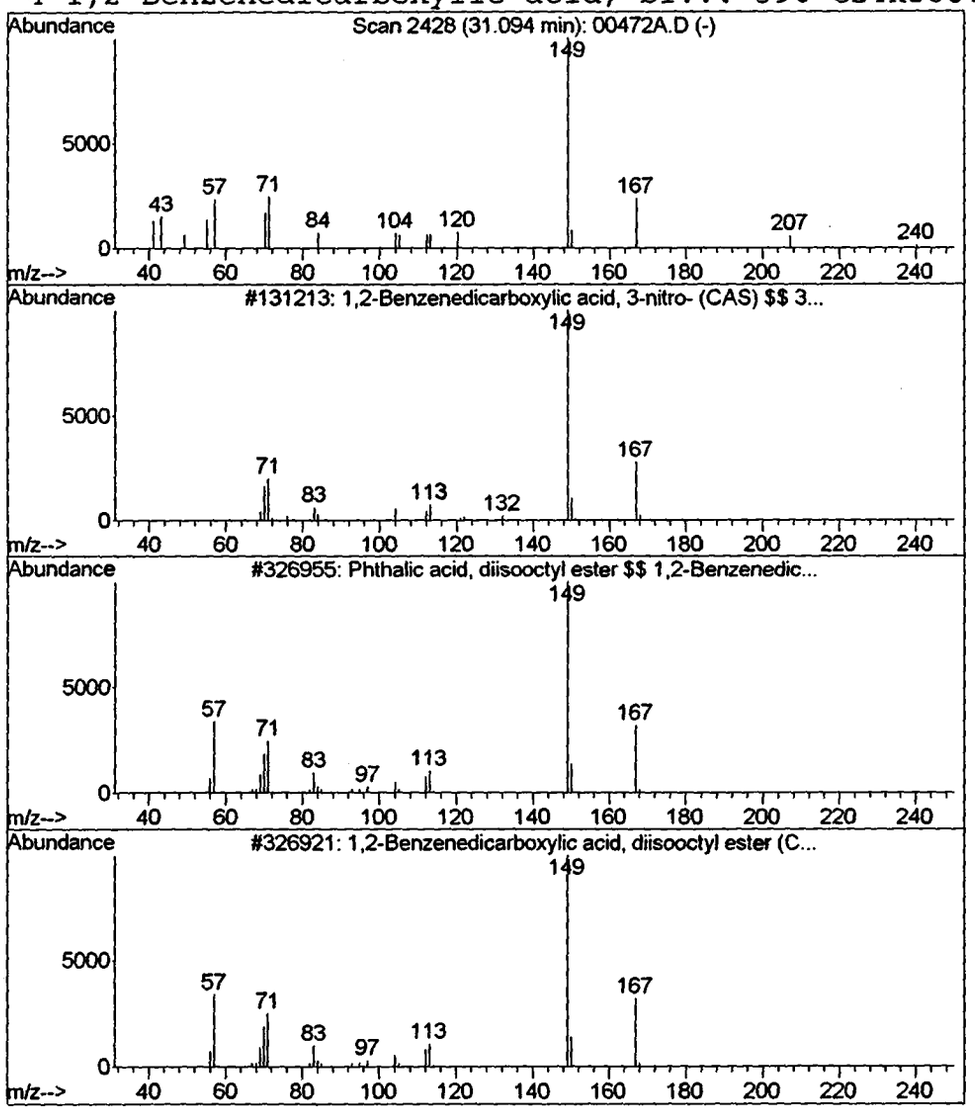
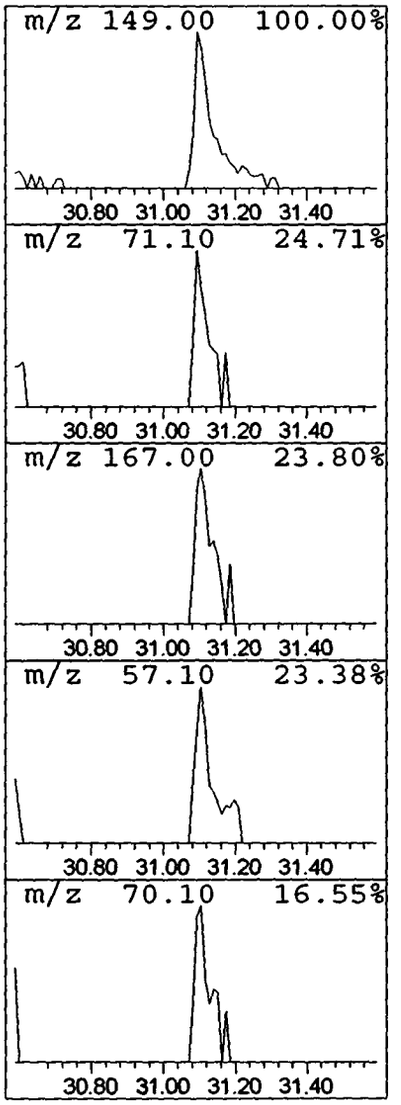
Peak Number 13 1,2-Benzenedicarboxylic aci... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.09	0.14 ug/L	94749	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, 3-...	211	C8H5NO6	000603-11-2	50
2	Phthalic acid, diisooctyl ester ...	390	C24H38O4	001330-91-2	45
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	45
4	1,2-Benzenedicarboxylic acid, bi...	390	C24H38O4	000117-81-7	43





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 7 Feb 2002 12:42 pm
Data File: C:\MSDCHEM\1\5973N\02FEB07\00472A.D
Name: 508 scan re-ext.
Misc: February 7, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\HP020702.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	0.2	ug/L	75218	1	9.71	8797630	20.0
ISOBUTYRALDEHYDE,...	3.93	0.1	ug/L	30261	1	9.71	8797630	20.0
THIAZOLIDINE $$ T...	4.25	0.1	ug/L	52199	1	9.71	8797630	20.0
3-Buten-2-ol, 2-m...	5.02	0.2	ug/L	100357	1	9.71	8797630	20.0
3-Penten-2-ol $$ ...	5.71	0.1	ug/L	63749	1	9.71	8797630	20.0
Acetic acid, 3-[1...	5.92	0.5	ug/L	202328	1	9.71	8797630	20.0
2-Propanol, 1,1'-...	9.55	0.1	ug/L	55439	1	9.71	8797630	20.0
2-Propanol, 1-(2-...	9.64	0.1	ug/L	43613	1	9.71	8797630	20.0
2-Propanol, 1-(2-...	9.85	0.2	ug/L	94347	1	9.71	8797630	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	97548	4	22.63	14207200	20.0
DECADEUTEROPHENAN...	22.77	0.5	ug/L	331994	4	22.63	14207200	20.0
1,2-Benzenedicarb...	24.85	0.1	ug/L	51117	4	22.63	14207200	20.0
1,2-Benzenedicarb...	31.09	0.1	ug/L	94749	5	30.49	13687500	20.0