User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/05/2002 Time: 16:54:53

Sample: AE01511
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/5/02 16:54 Ended: 3/5/02 16:54 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		73		5.0

Comments for Sample AE01511 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-05-2002 Time: 16:54:57

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 22 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB21\01511.D Vial: 2
Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 25 10:49:10 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	9.72	152	1519927	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	6575506	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3257320	20.00	ug/L	0.00
29) Phenanthrene-d10	22.63	188	5749766	20.00	ug/L	-0.01
38) Chrysene-d12	30.49	240	4157364	20.00	ug/L	-0.03
44) Perylene-d12	34.41	264	2567016	20.00	ug/L	-0.04
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	279113	3.64	ug/L	0.00
Spiked Amount 5.000			Recovery = 72.80%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	527583	2.67	ug/L #	58
21) 2,6-Dinitrotoluene	18.34	165	410784	9.00	ug/L #	27

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

Quantitation Report (Not Reviewed)

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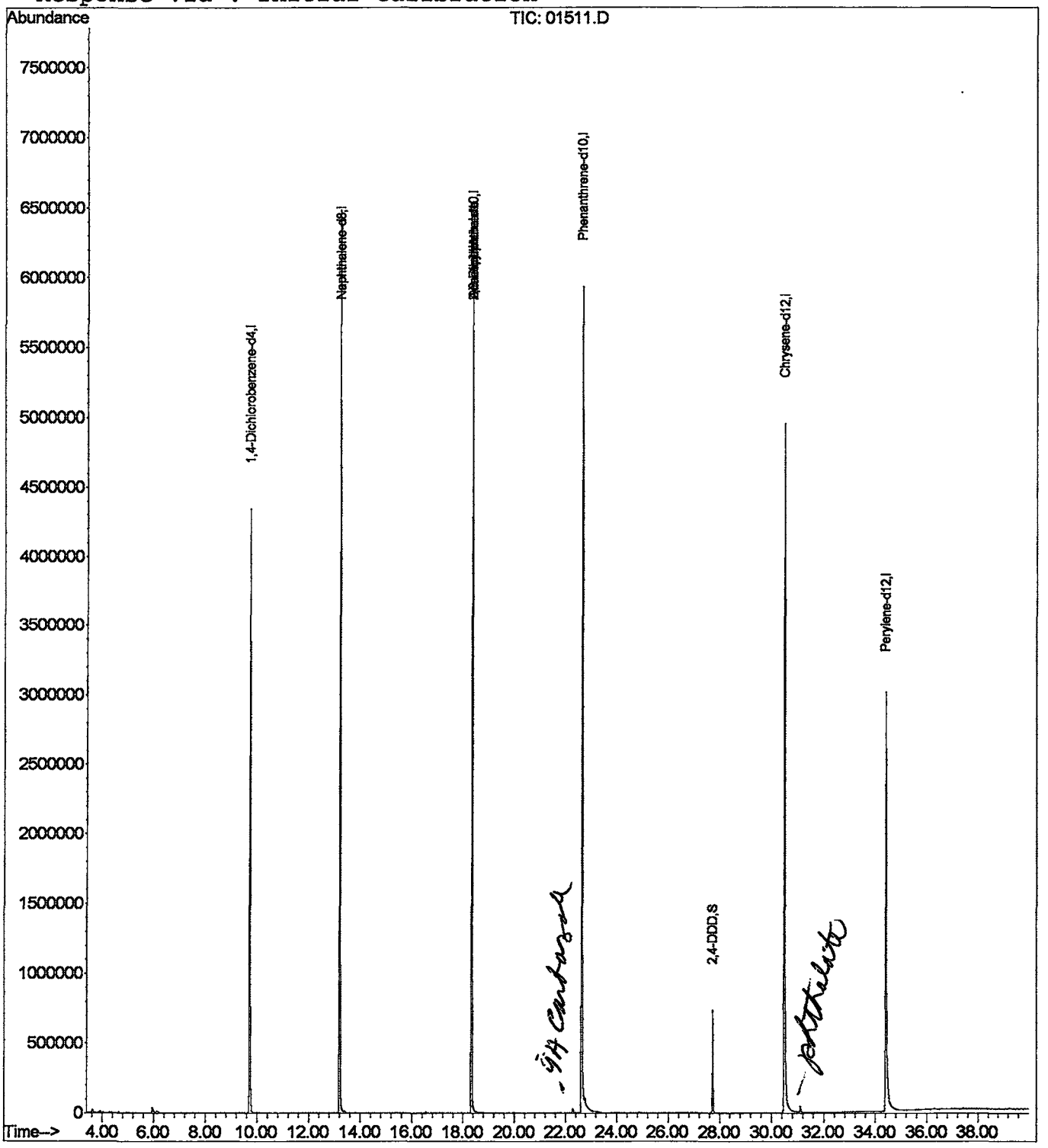
Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 25 10:49 2002 Quant Results File: HP022102.R

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



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01511.D Vial: 2
Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 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

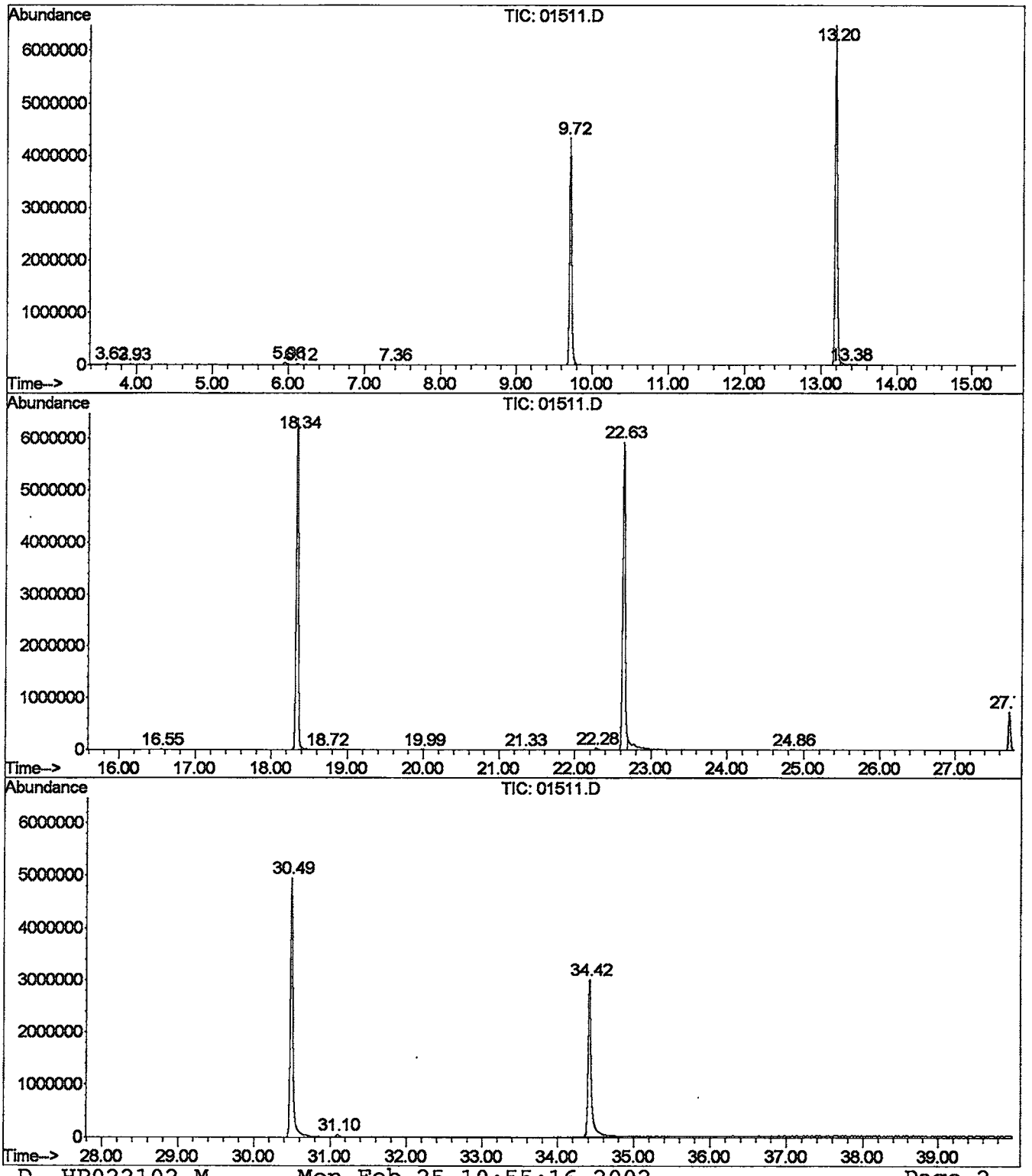
Signal : TIC

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	29	rVB	25171	47407	0.35%	0.067%
2	3.927	45	49	53	rVB	12824	26172	0.19%	0.037%
3	5.959	225	229	239	rBV	38123	123851	0.90%	0.175%
4	6.117	239	243	259	rVB2	13423	50675	0.37%	0.072%
5	7.359	343	353	357	rBV3	2460	16506	0.12%	0.023%
6	9.718	557	562	567	rBV	4342873	8405166	61.41%	11.902%
7	13.195	865	870	875	rBV	6484718	12282808	89.74%	17.393%
8	13.376	883	886	891	rVB	12142	26029	0.19%	0.037%
9	16.548	1165	1167	1173	rVV	8528	15345	0.11%	0.022%
10	18.343	1321	1326	1331	rBV	6399382	13167169	96.20%	18.646%
11	18.715	1355	1359	1367	rVB5	3422	15634	0.11%	0.022%
12	19.991	1467	1472	1477	rVV3	6011	18455	0.13%	0.026%
13	21.334	1587	1591	1599	rBV3	4116	13275	0.10%	0.019%
14	22.283	1671	1675	1683	rVV2	32206	73848	0.54%	0.105%
15	22.633	1701	1706	1711	rBV2	5932880	13687766	100.00%	19.383%
16	24.857	1897	1903	1915	rBV2	7446	26864	0.20%	0.038%
17	27.724	2153	2157	2163	rVV	735282	1362004	9.95%	1.929%
18	30.490	2397	2402	2435	rBV2	4949021	12272274	89.66%	17.379%
19	31.099	2453	2456	2465	rBV	46658	109028	0.80%	0.154%
20	34.418	2743	2750	2789	rBV	3001102	8877009	64.85%	12.571%

Sum of corrected areas: 70617285

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB21\01511.D
Operator :
Acquired : 21 Feb 2002 4:01 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 21, 2002
Vial Number: 2
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01511.D Vial: 2
Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

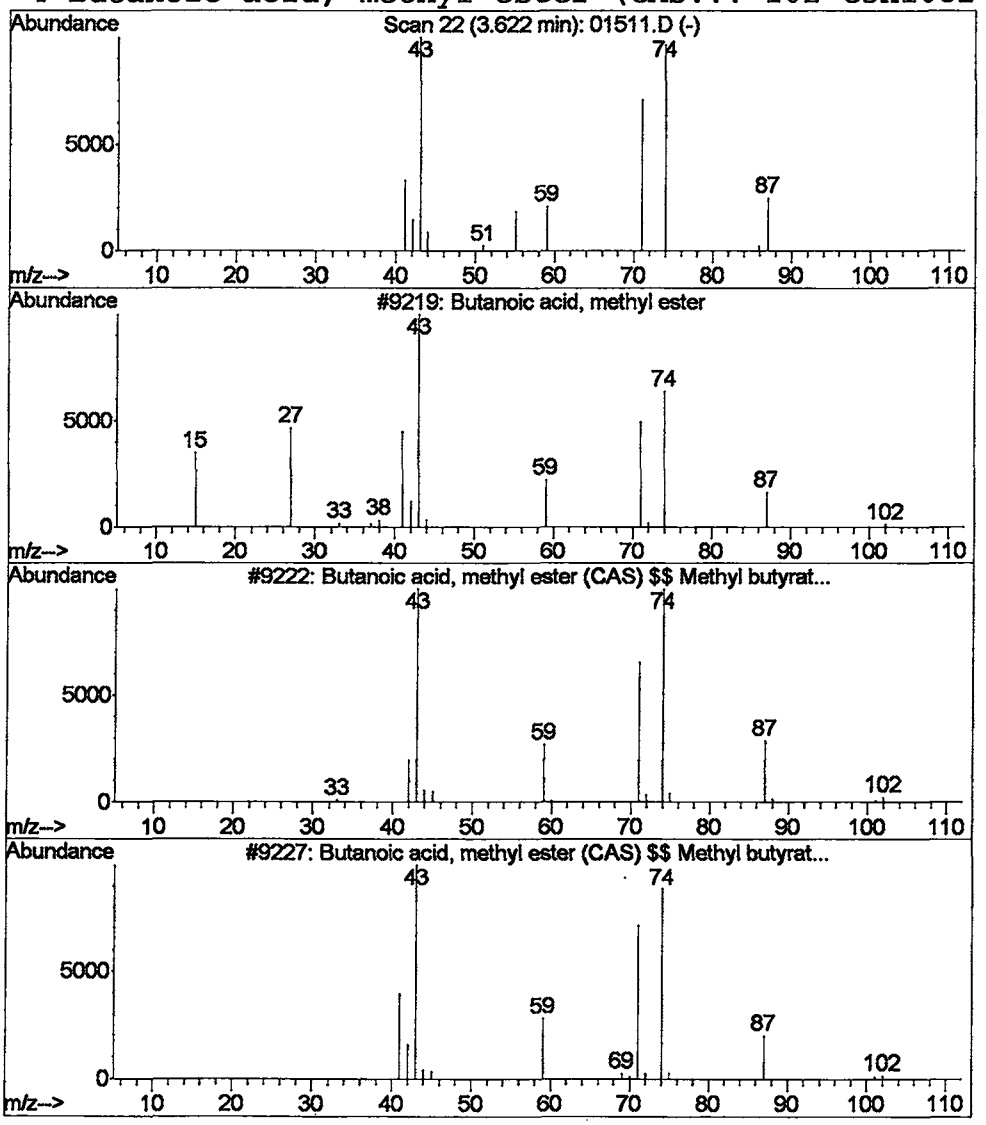
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

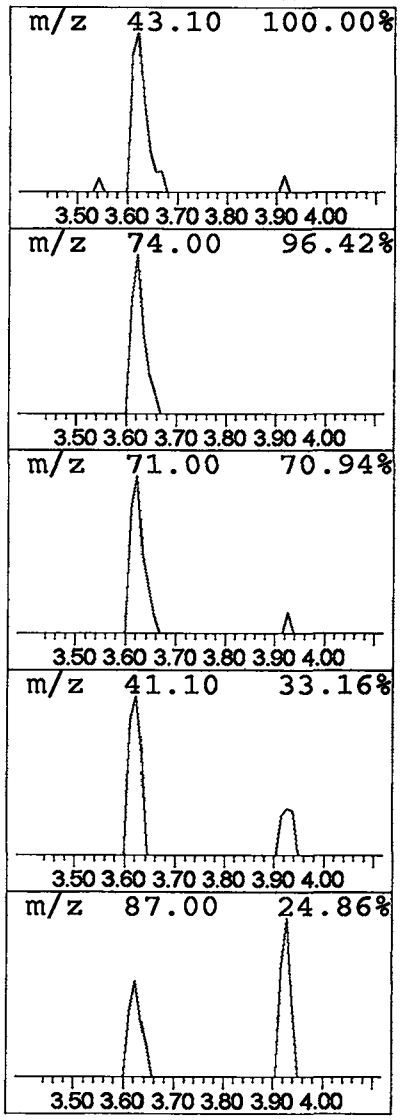
****

Peak Number 1 Butanoic acid, methyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.11 ug/L	47407	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	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 (CAS...	102	C5H10O2	000623-42-7	74





Library Search Compound Report

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Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
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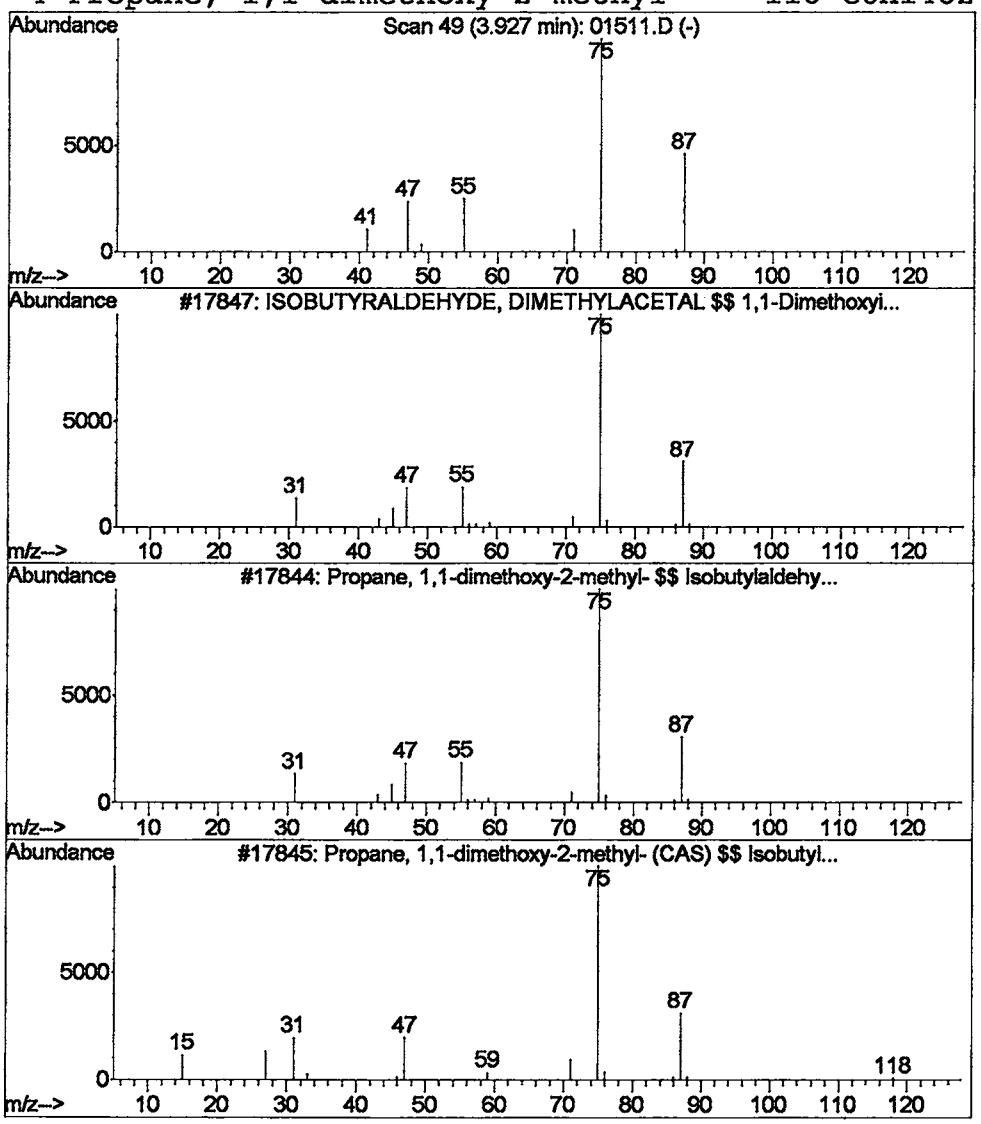
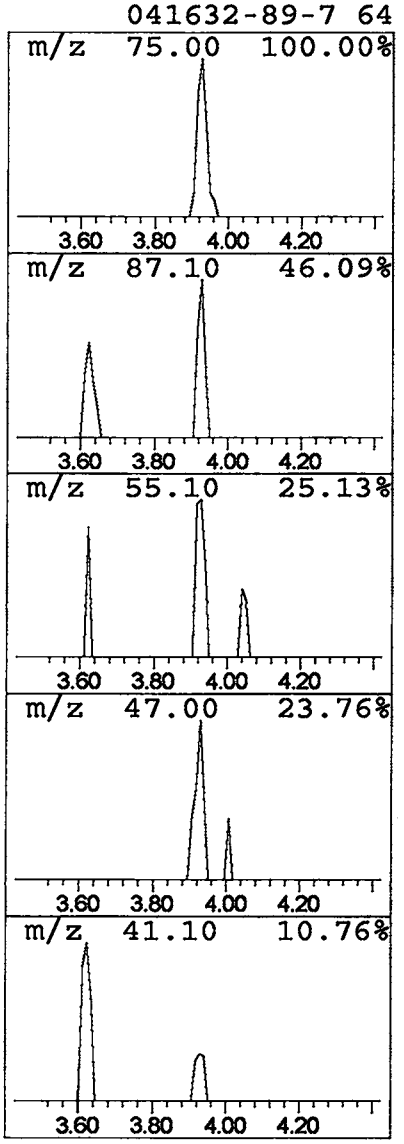
****

Peak Number 2 ISOBUTYRALDEHYDE, DIMETHYLA... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.06 ug/L	26172	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	74
2	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	74
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	64





Library Search Compound Report

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Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

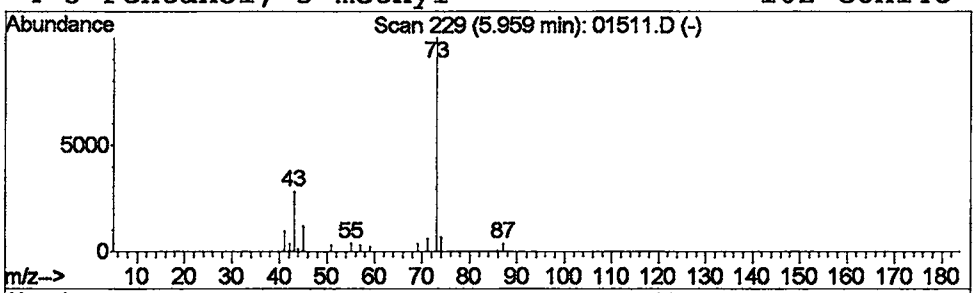
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

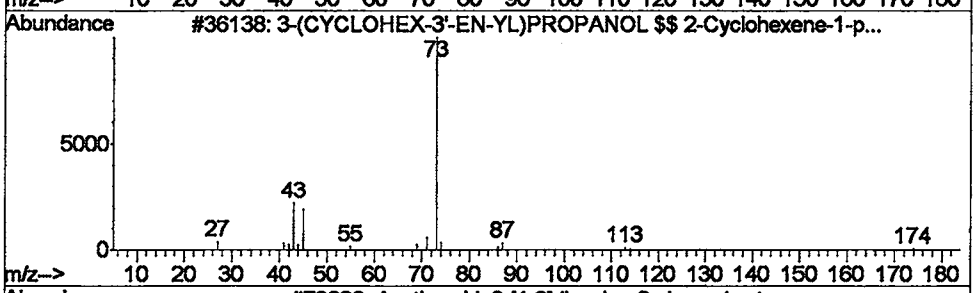
****

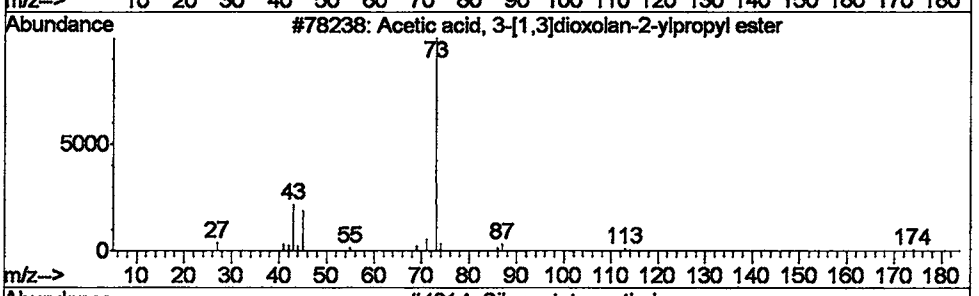
Peak Number 3 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

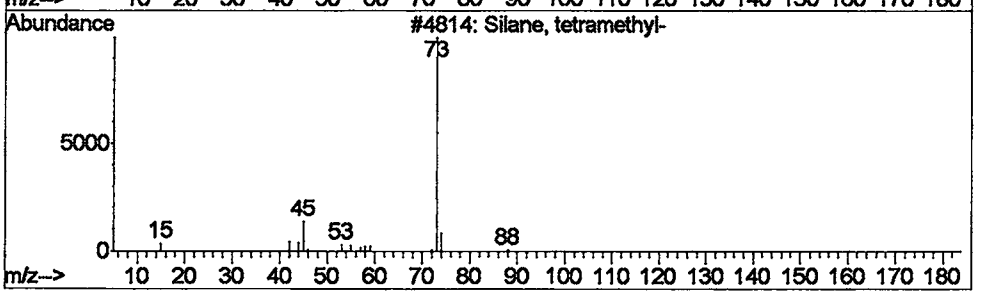
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	0.29 ug/L	123851	1,4-Dichlorobenzene-d4	9.72

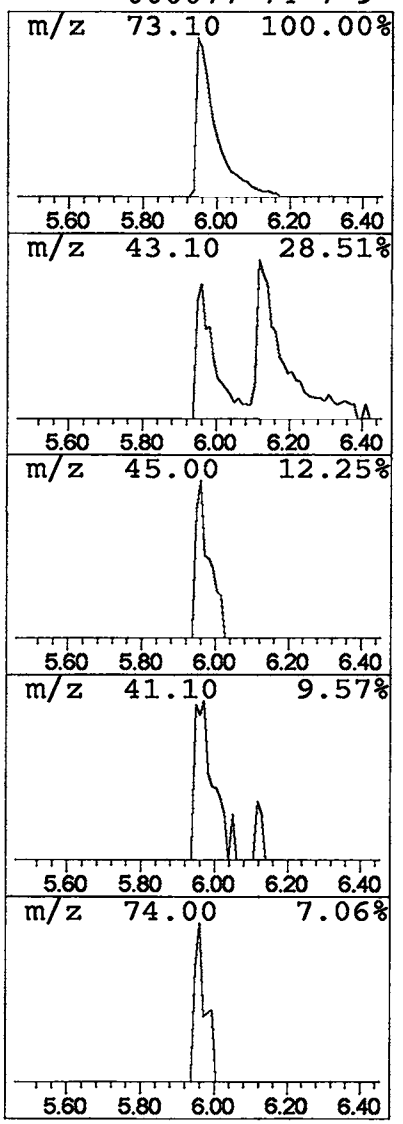
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	45
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	45
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	36
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01511.D Vial: 2
Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

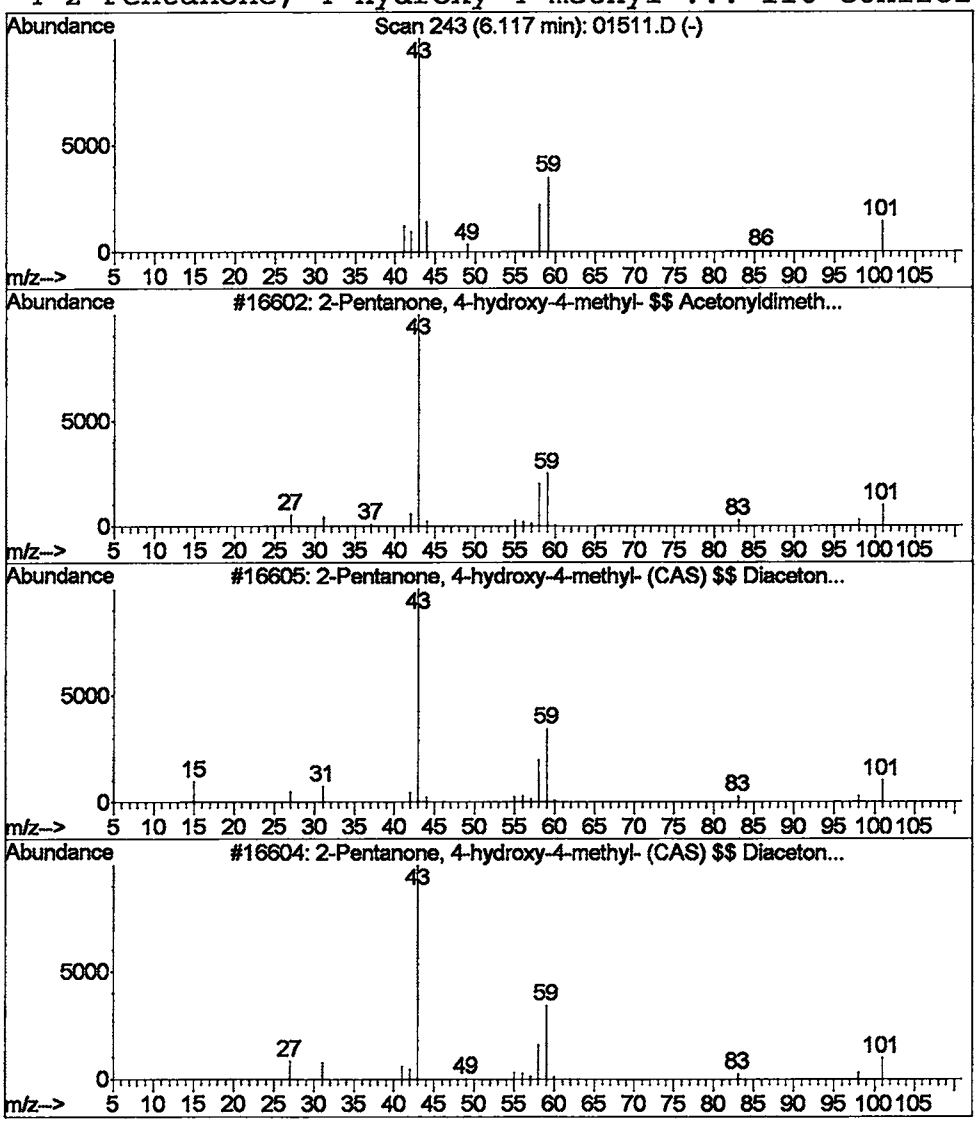
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

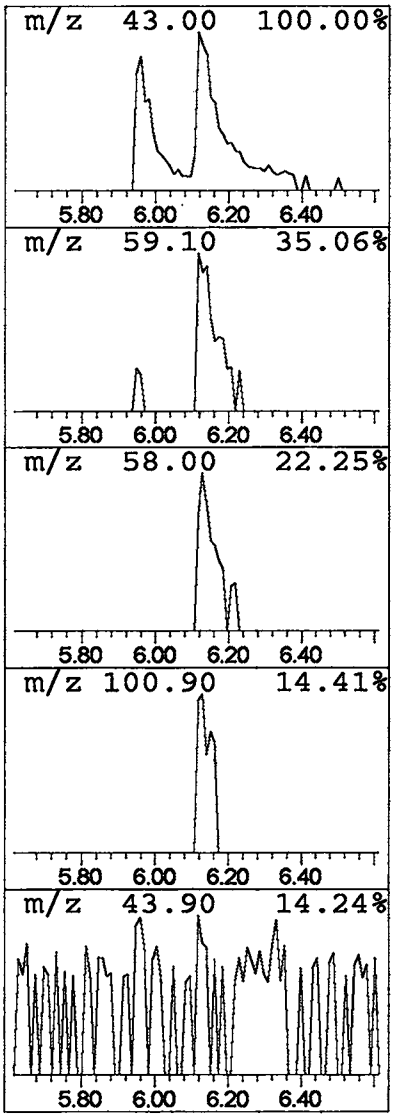
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	0.12 ug/L	50675	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	56
2	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	40
3	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	39
4	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	9





Library Search Compound Report

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Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

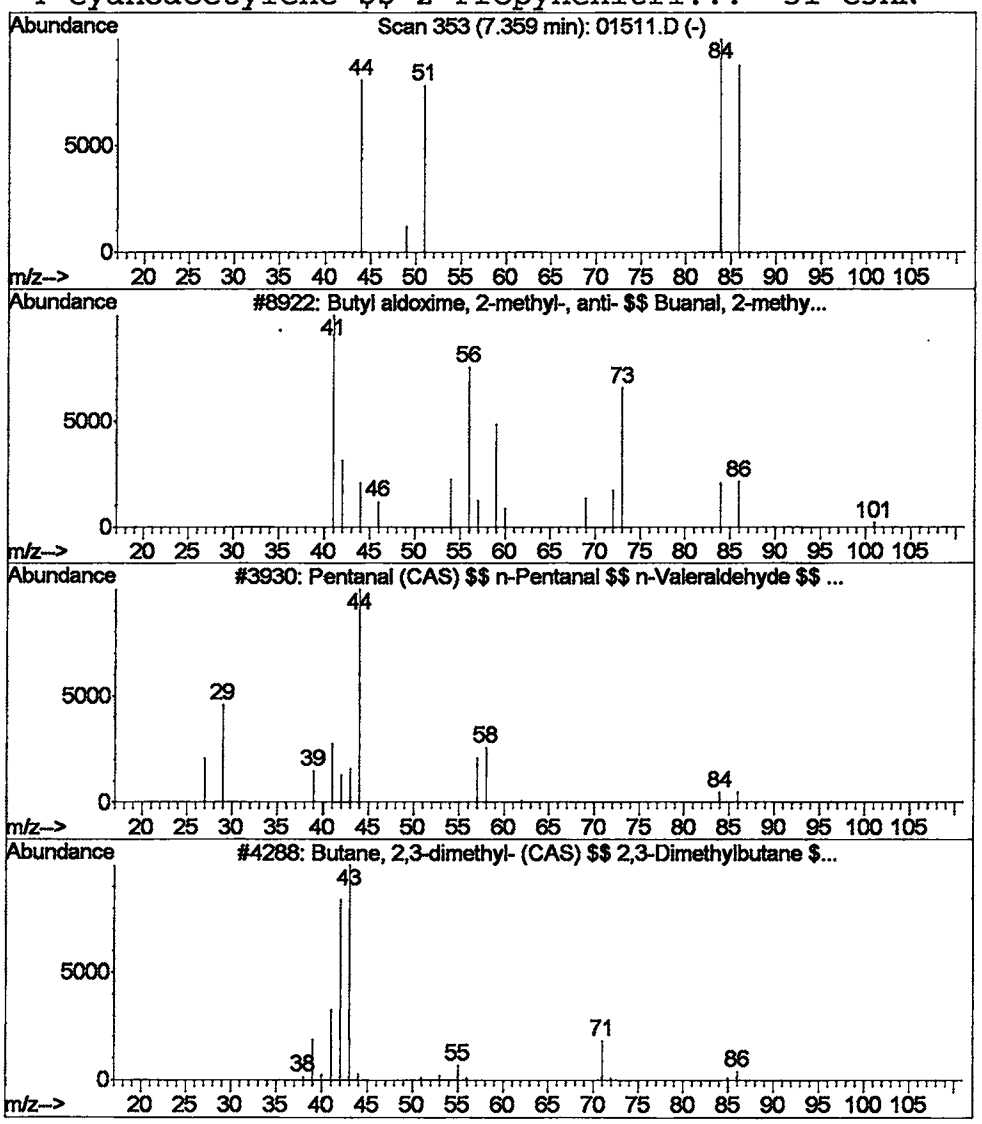
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

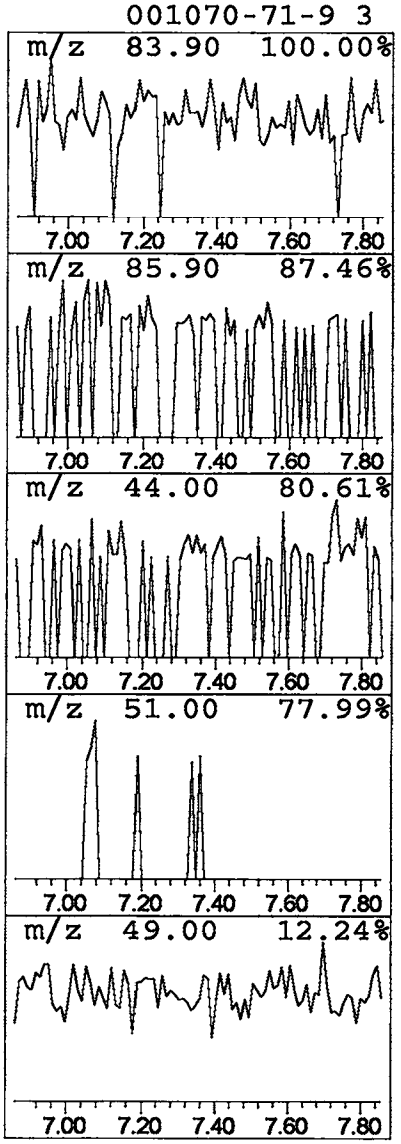
****

Peak Number 5 Butyl aldoxime, 2-methyl-, ... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	0.04 ug/L	16506	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl aldoxime, 2-methyl-, anti-...	101	C5H11NO	049805-55-2	4
2	Pentanal (CAS) $$ n-Pentanal $$ ...	86	C5H10O	000110-62-3	3
3	Butane, 2,3-dimethyl- (CAS) $$ 2...	86	C6H14	000079-29-8	3
4	Cyanoacetylene $$ 2-Propynenitri...	51	C3HN	001070-71-9	3





Library Search Compound Report

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Title : 508 scan method
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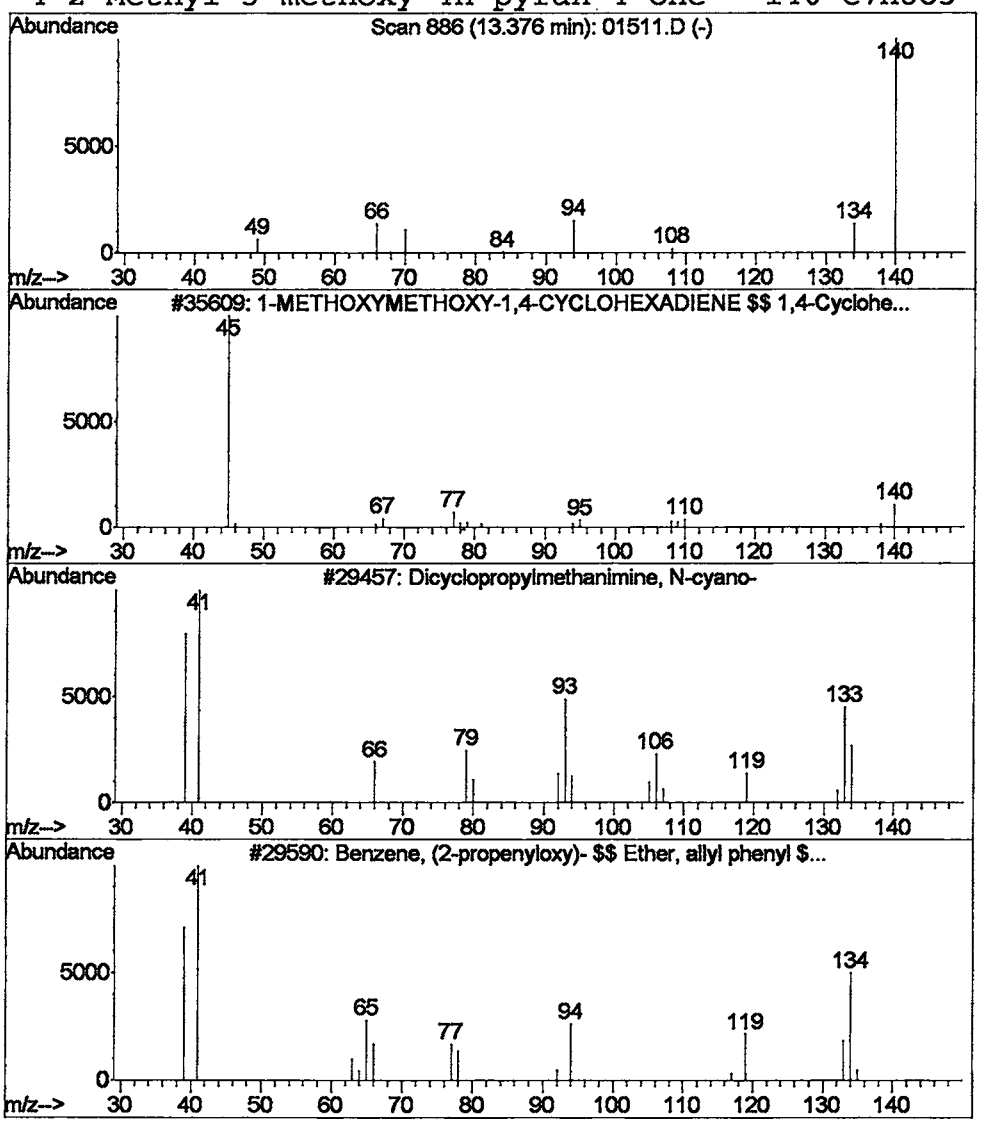
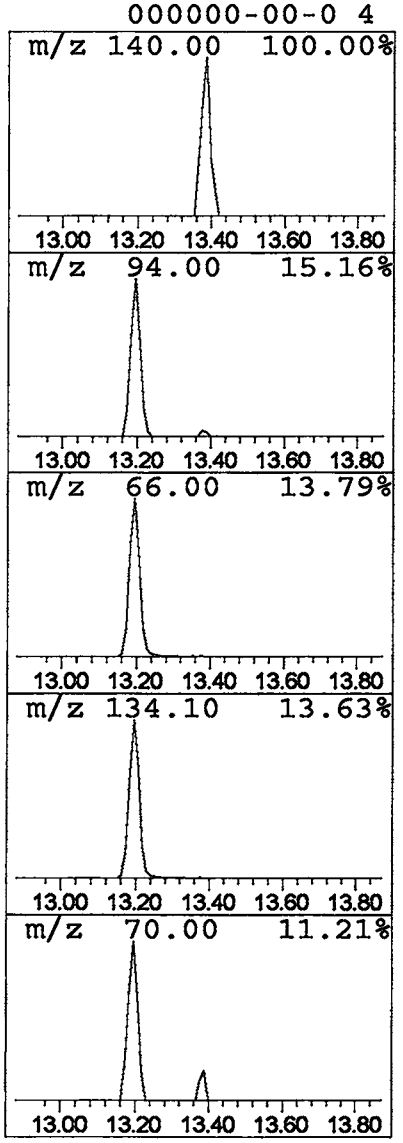
****

Peak Number 6 1-METHOXYMETHOXY-1,4-CYCLOH... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.04 ug/L	26029	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-METHOXYMETHOXY-1,4-CYCLOHEXADI...	140	C8H12O2	057234-30-7	5
2	Dicyclopropylmethanimine, N-cyano-	134	C8H10N2	000000-00-0	5
3	Benzene, (2-propenyloxy)- $$ Eth...	134	C9H10O	001746-13-0	4
4	2-Methyl-3-methoxy-4H-pyran-4-one	140	C7H8O3	000000-00-0	4





Library Search Compound Report

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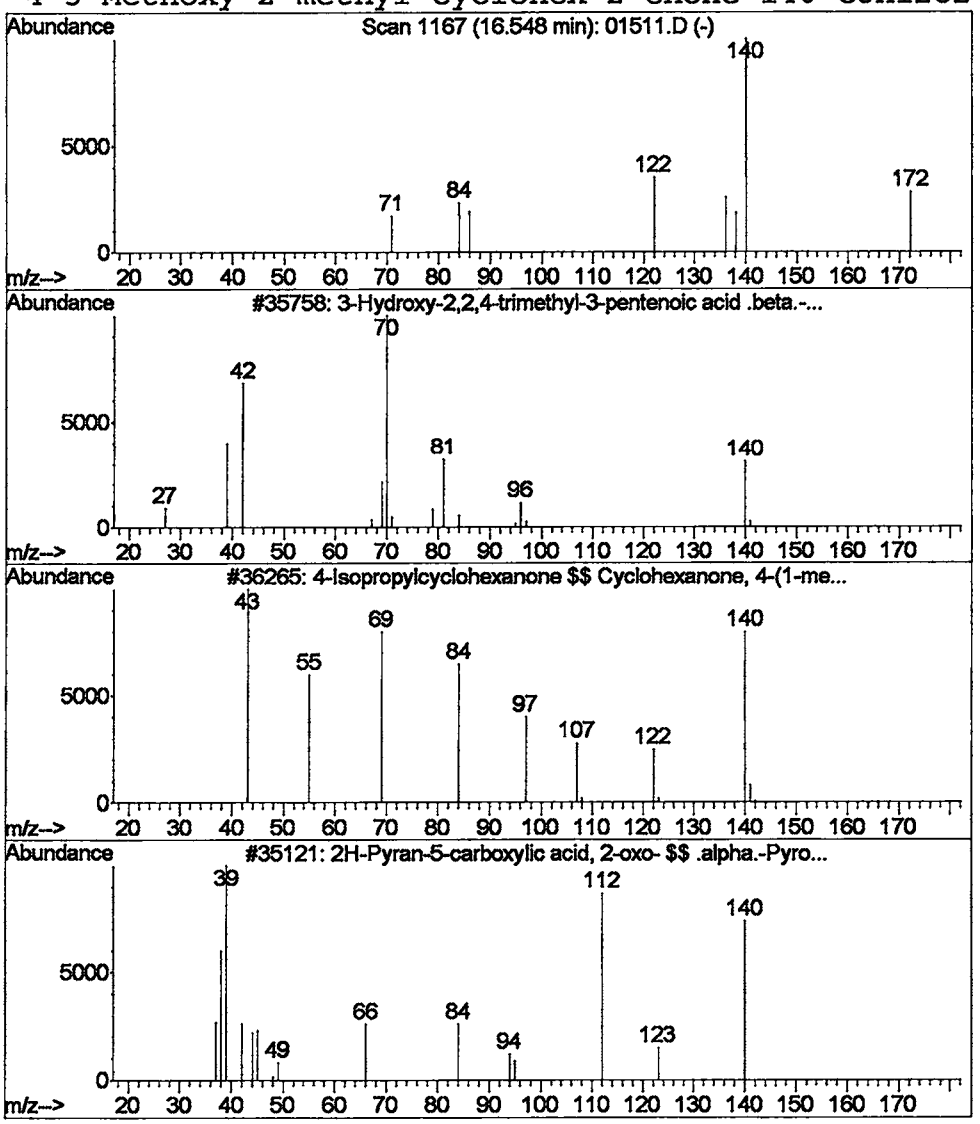
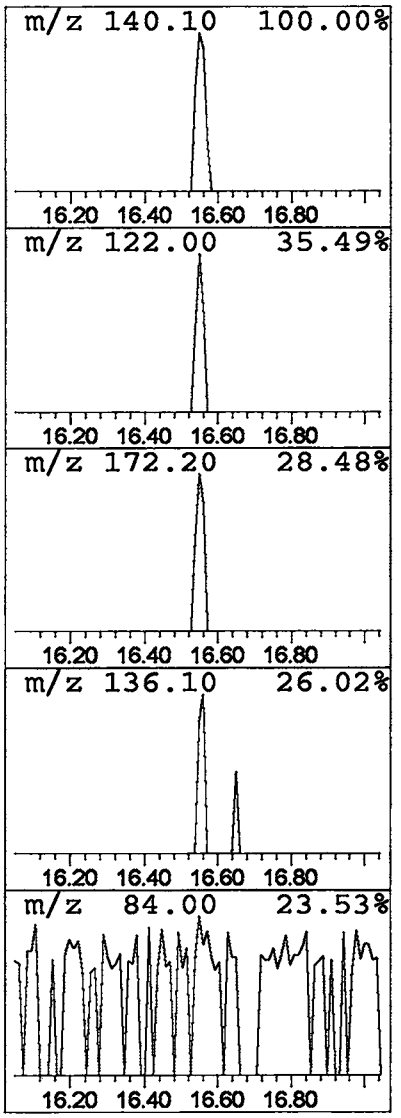
****

Peak Number 7 3-Hydroxy-2,2,4-trimethyl-3... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	0.02 ug/L	15345	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxy-2,2,4-trimethyl-3-pent...	140	C8H12O2	003173-79-3	5
2	4-Isopropylcyclohexanone $$ Cycl...	140	C9H16O	005432-85-9	5
3	2H-Pyran-5-carboxylic acid, 2-ox...	140	C6H4O4	000500-05-0	5
4	3-Methoxy-2-methyl-cyclohex-2-enone	140	C8H12O2	025112-91-8	5





Library Search Compound Report

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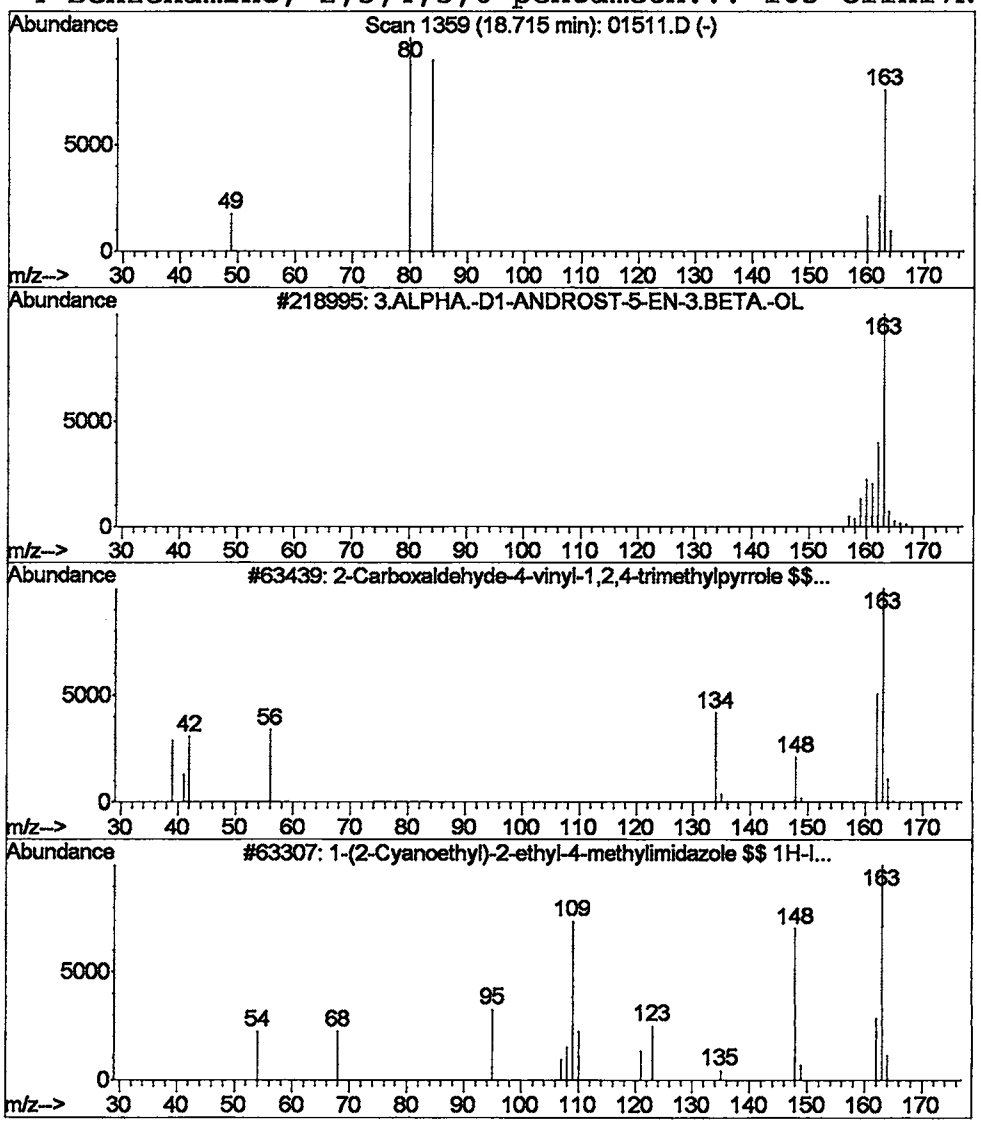
****

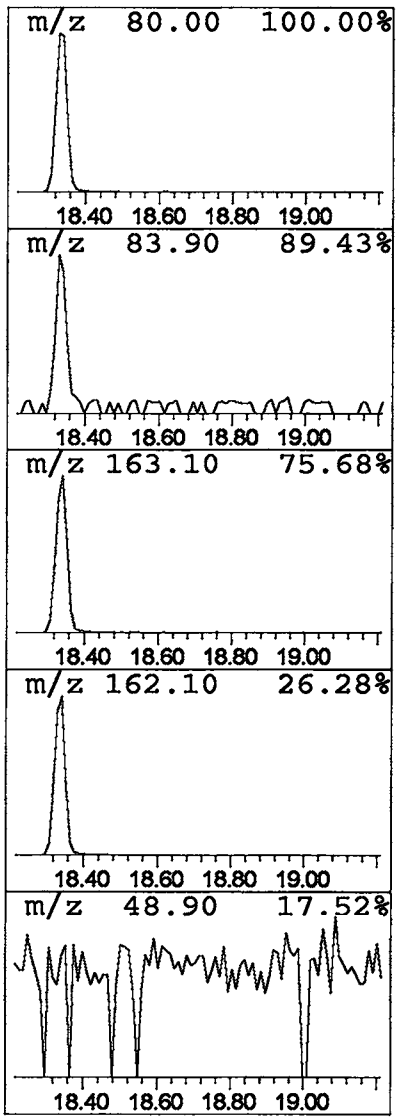
Peak Number 8 3.ALPHA.-D1-ANDROST-5-EN-3.... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	0.02 ug/L	15634	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3.ALPHA.-D1-ANDROST-5-EN-3.BETA.-OL	275	C19H29DO	000000-00-0	74
2	2-Carboxaldehyde-4-vinyl-1,2,4-t...	163	C10H13NO	000000-00-0	9
3	1-(2-Cyanoethyl)-2-ethyl-4-methy...	163	C9H13N3	023996-25-0	9
4	Benzenamine, 2,3,4,5,6-pentameth...	163	C11H17N	002243-30-3	9

NO Good matches





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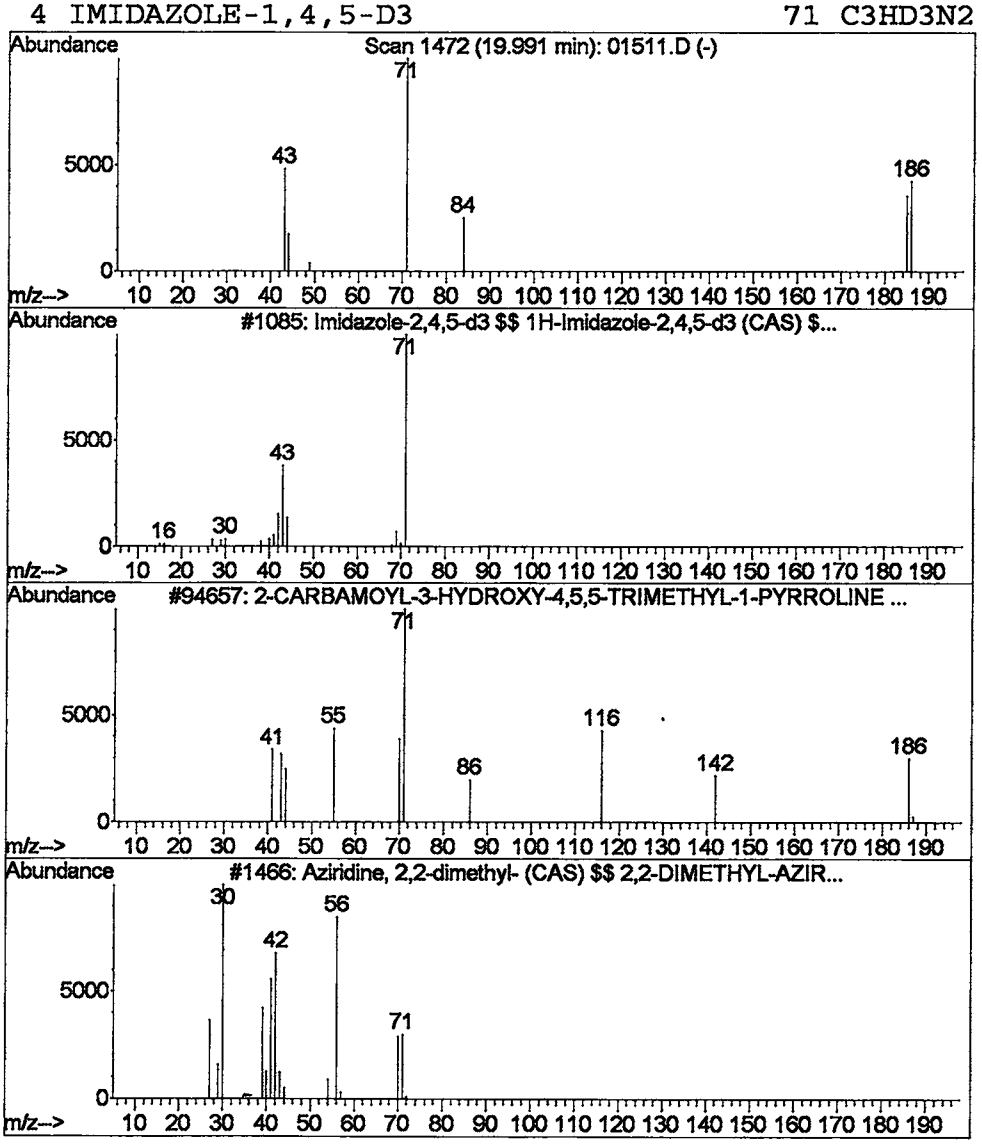
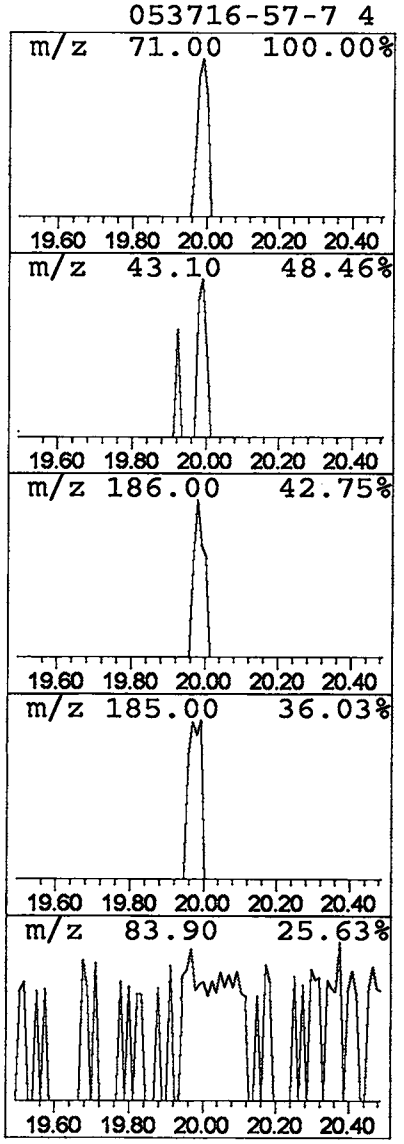
****

Peak Number 9 Imidazole-2,4,5-d3 $$ 1H-Im... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	0.03 ug/L	18455	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazole-2,4,5-d3 $$ 1H-Imidazo...	71	C3HD3N2	006745-43-3	7
2	2-CARBAMOYL-3-HYDROXY-4,5,5-TRIM...	186	C8H14N2O3	072700-98-2	5
3	Aziridine, 2,2-dimethyl- (CAS) $...	71	C4H9N	002658-24-4	4
4	IMIDAZOLE-1,4,5-D3	71	C3HD3N2	053716-57-7	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01511.D Vial: 2
Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 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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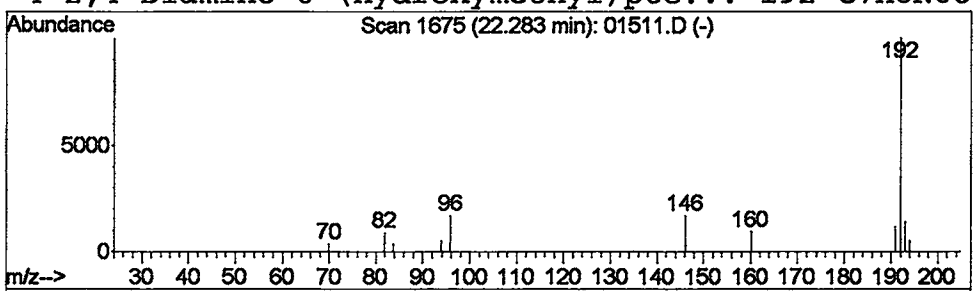
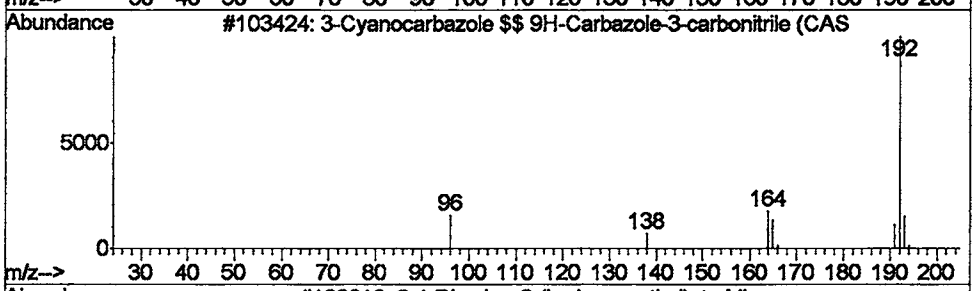
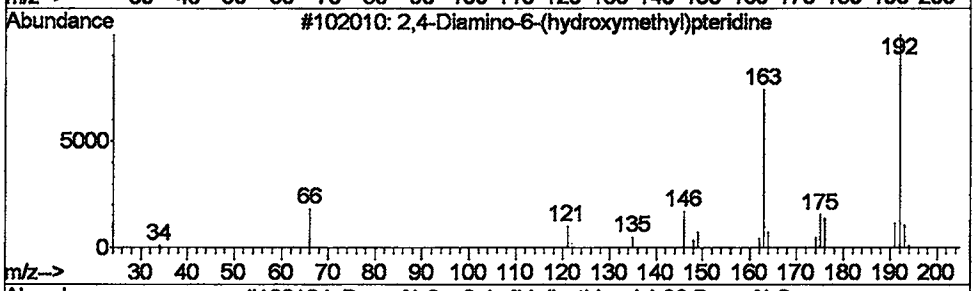
Peak Number 10 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 5

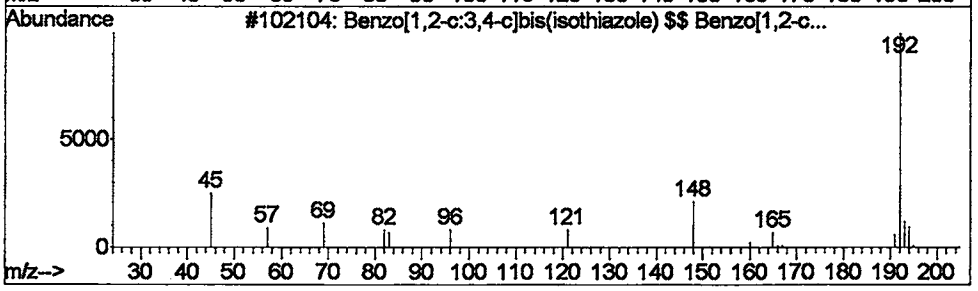
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.11 ug/L	73848	Phenanthrene-d10	22.63

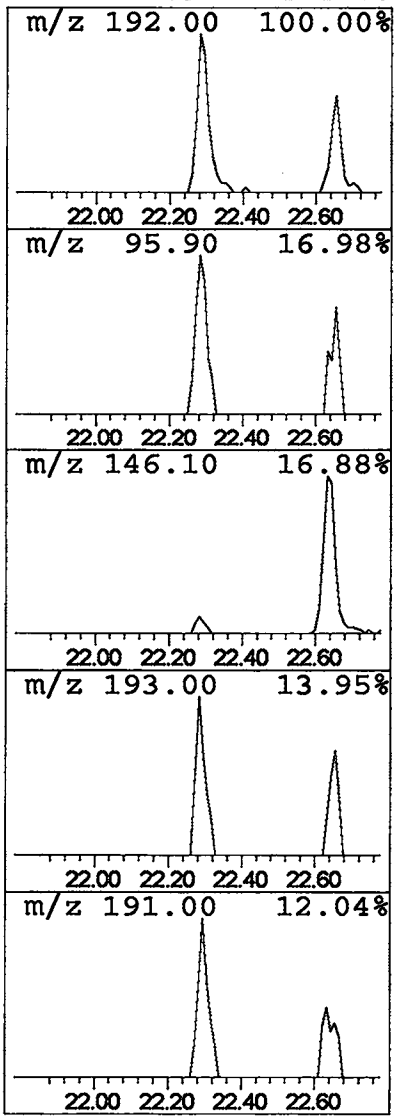
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	72
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	64
3	Benzo[1,2-c:3,4-c]bis(isothiazol...	192	C8H4N2S2	074960-05-7	64
4	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	50











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01511.D Vial: 2
Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 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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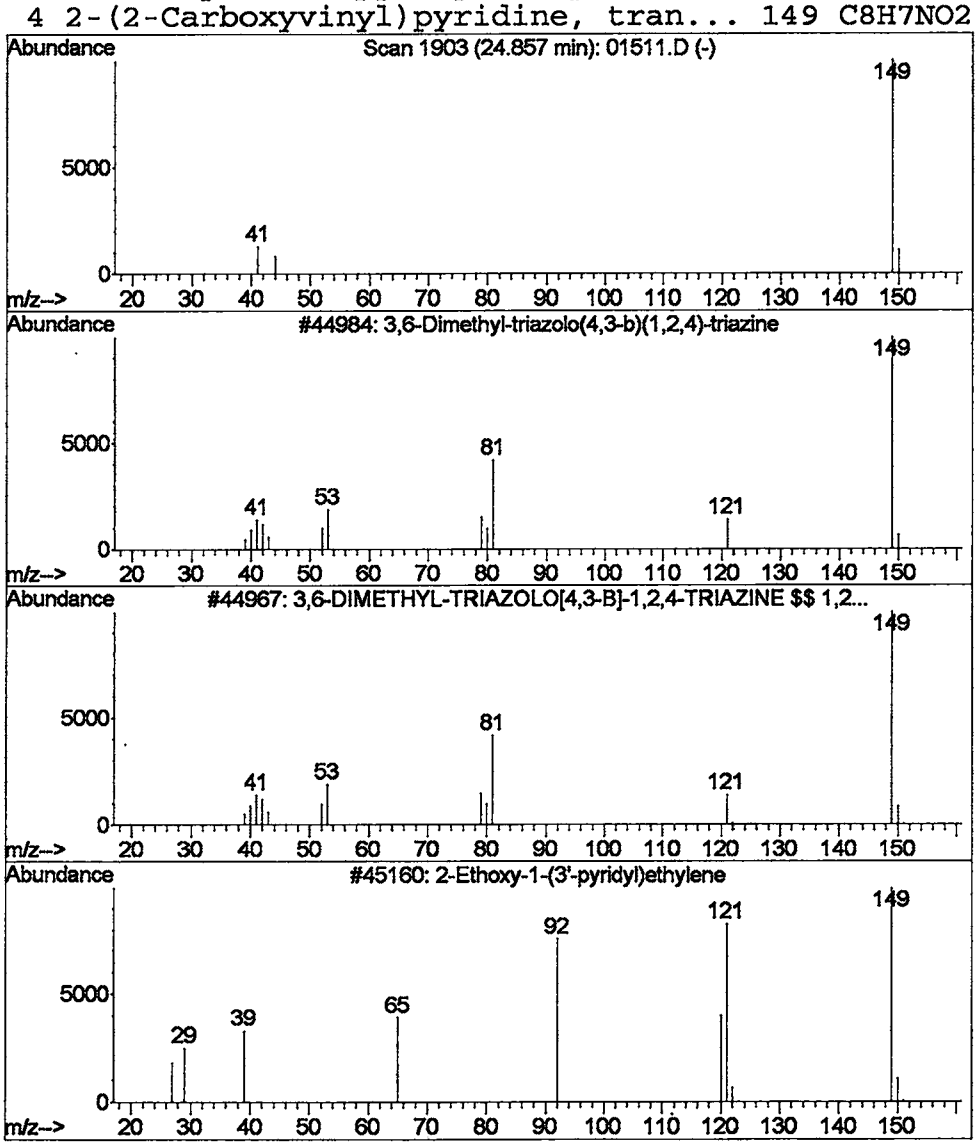
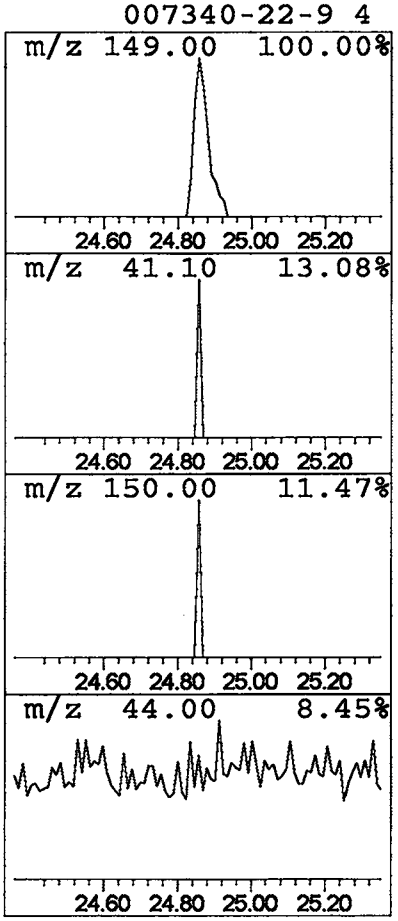
Peak Number 11 3,6-Dimethyl-triazolo(4,3-b... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.86	0.04 ug/L	26864	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dimethyl-triazolo(4,3-b)(1,2...	149	C6H7N5	000000-00-0	5
2	3,6-DIMETHYL-TRIAZOLO[4,3-B]-1,2...	149	C6H7N5	061139-71-7	5
3	2-Ethoxy-1-(3'-pyridyl)ethylene	149	C9H11NO	000000-00-0	4
4	2-(2-Carboxyvinyl)pyridine, tran...	149	C8H7NO2	007340-22-9	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01511.D Vial: 2
Acq On : 21 Feb 2002 4:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 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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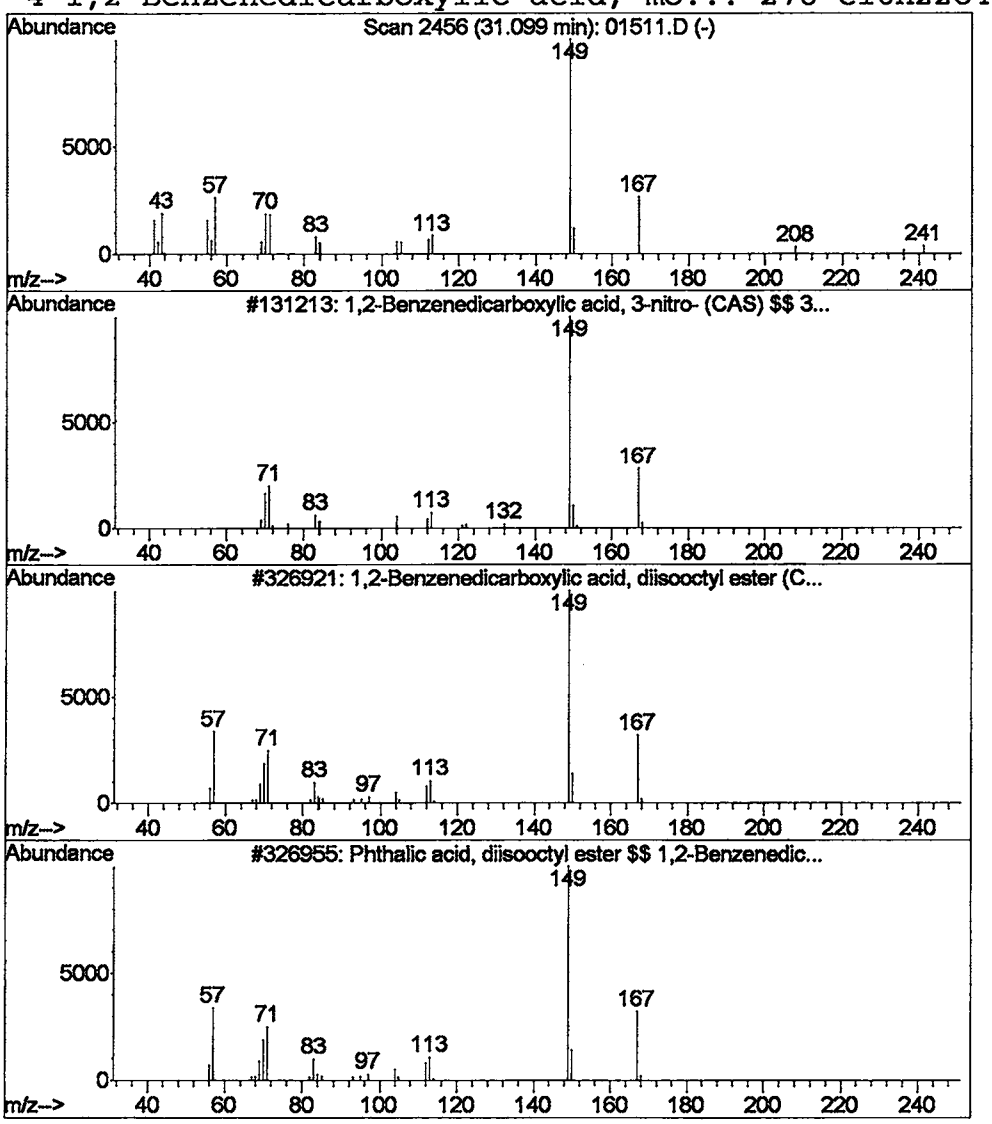
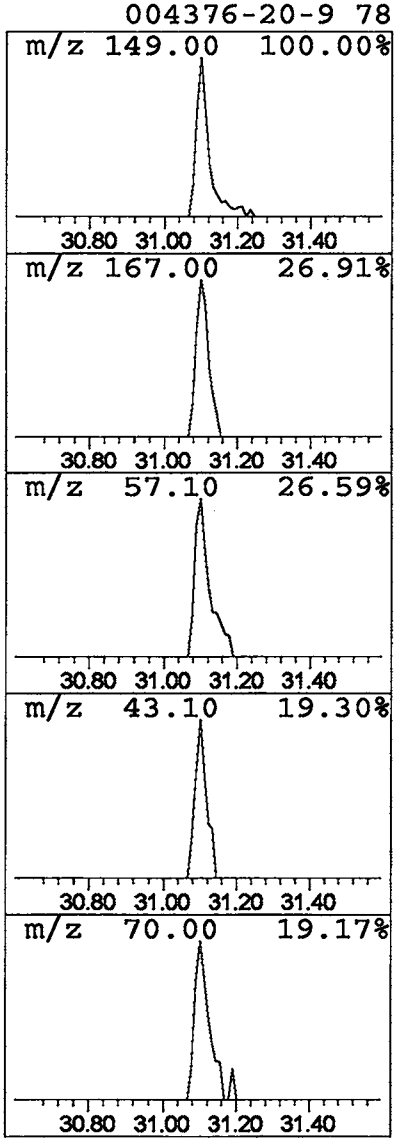
Peak Number 12 1,2-Benzenedicarboxylic aci... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.10	0.18 ug/L	109028	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, 3-...	211	C8H5NO6	000603-11-2	86
2	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	86
3	Phthalic acid, diisooctyl ester ...	390	C24H38O4	001330-91-2	86
4	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	78





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 21 Feb 2002 4:01 pm
Data File: C:\MSDCHEM\1\5973N\02FEB21\01511.D
Name: 508 scan
Misc: February 21, 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	47407	1	9.72	8405170	20.0
ISOBUTYRALDEHYDE,...	3.93	0.1	ug/L	26172	1	9.72	8405170	20.0
3-(CYCLOHEX-3'-EN...	5.96	0.3	ug/L	123851	1	9.72	8405170	20.0
2-Pentanone, 4-hy...	6.12	0.1	ug/L	50675	1	9.72	8405170	20.0
Butyl aldoxime, 2...	7.36	0.0	ug/L	16506	1	9.72	8405170	20.0
1-METHOXYMETHOXY-...	13.38	0.0	ug/L	26029	2	13.20	12282800	20.0
3-Hydroxy-2,2,4-t...	16.55	0.0	ug/L	15345	3	18.34	13167200	20.0
3.ALPHA.-D1-ANDRO...	18.72	0.0	ug/L	15634	3	18.34	13167200	20.0
Imidazole-2,4,5-d...	19.99	0.0	ug/L	18455	3	18.34	13167200	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	73848	4	22.63	13687800	20.0
3,6-Dimethyl-tria...	24.86	0.0	ug/L	26864	4	22.63	13687800	20.0
1,2-Benzenedicarb...	31.10	0.2	ug/L	109028	5	30.49	12272300	20.0