User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/05/2002 Time: 12:01:33

Sample: AE02715
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/5/02 11:59 Ended: 3/5/02 11:59 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		106		5.0

Comments for Sample AE02715 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-05-2002 Time: 12:01:49

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 14 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB28\02715.D Vial: 5
Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Mar 01 09:02:52 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	1461947	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	6386294	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3256591	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	5673149	20.00	ug/L	0.00
38) Chrysene-d12	30.49	240	4371264	20.00	ug/L	-0.03
44) Perylene-d12	34.41	264	2841047	20.00	ug/L	-0.04
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	399886	5.29	ug/L	0.00
Spiked Amount 5.000			Recovery = 105.80%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	523292	2.65	ug/L #	57
21) 2,6-Dinitrotoluene	18.34	165	410336	8.99	ug/L #	27

(#) = qualifier out of range (m) = manual integration
02715.D HP022102.M Fri Mar 01 09:02:53 2002 Page 1

Quantitation Report (Not Reviewed)

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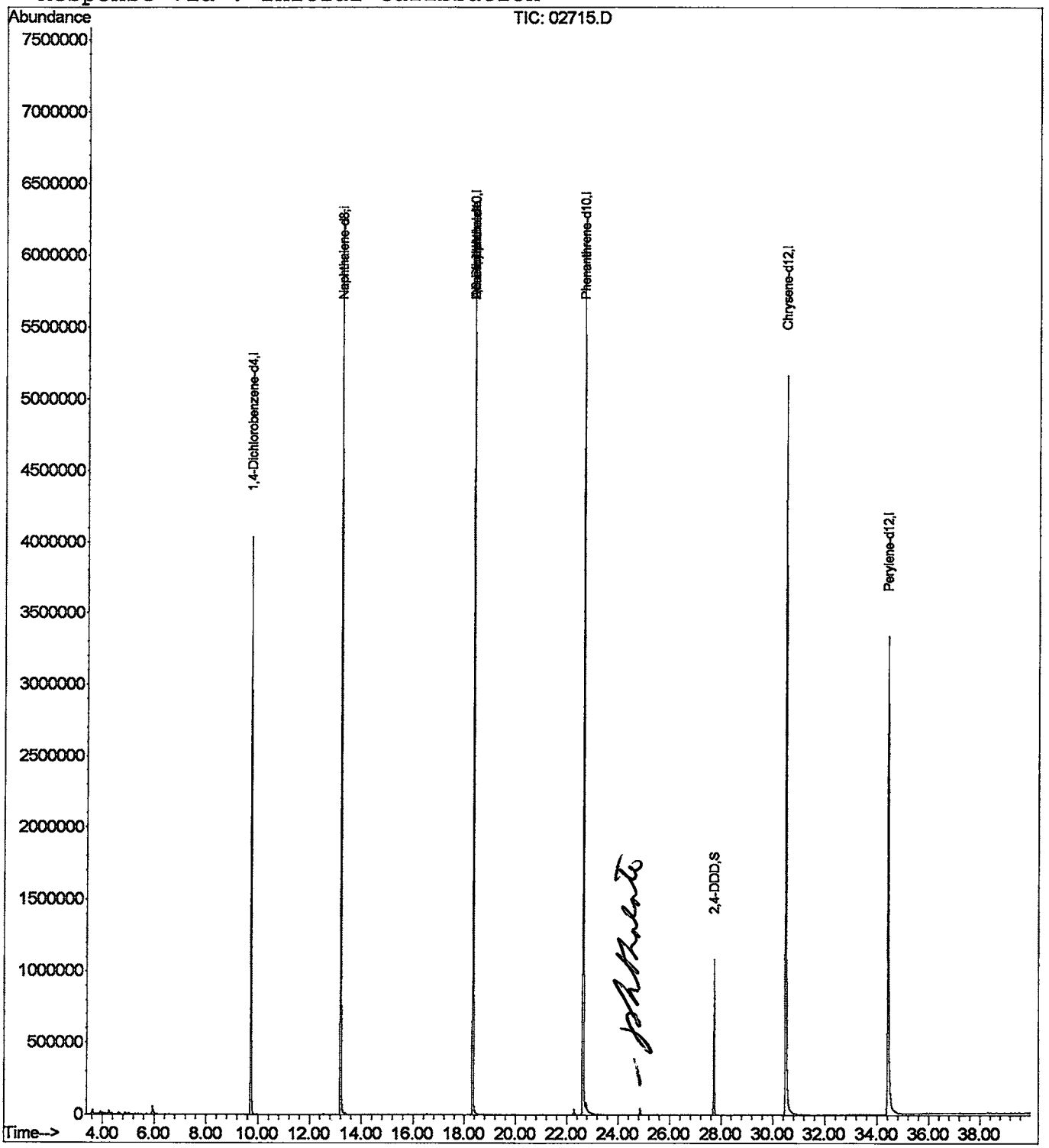
Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Mar 1 9:02 2002 Quant Results File: HP022102.R

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\02FEB28\02715.D Vial: 5
Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 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

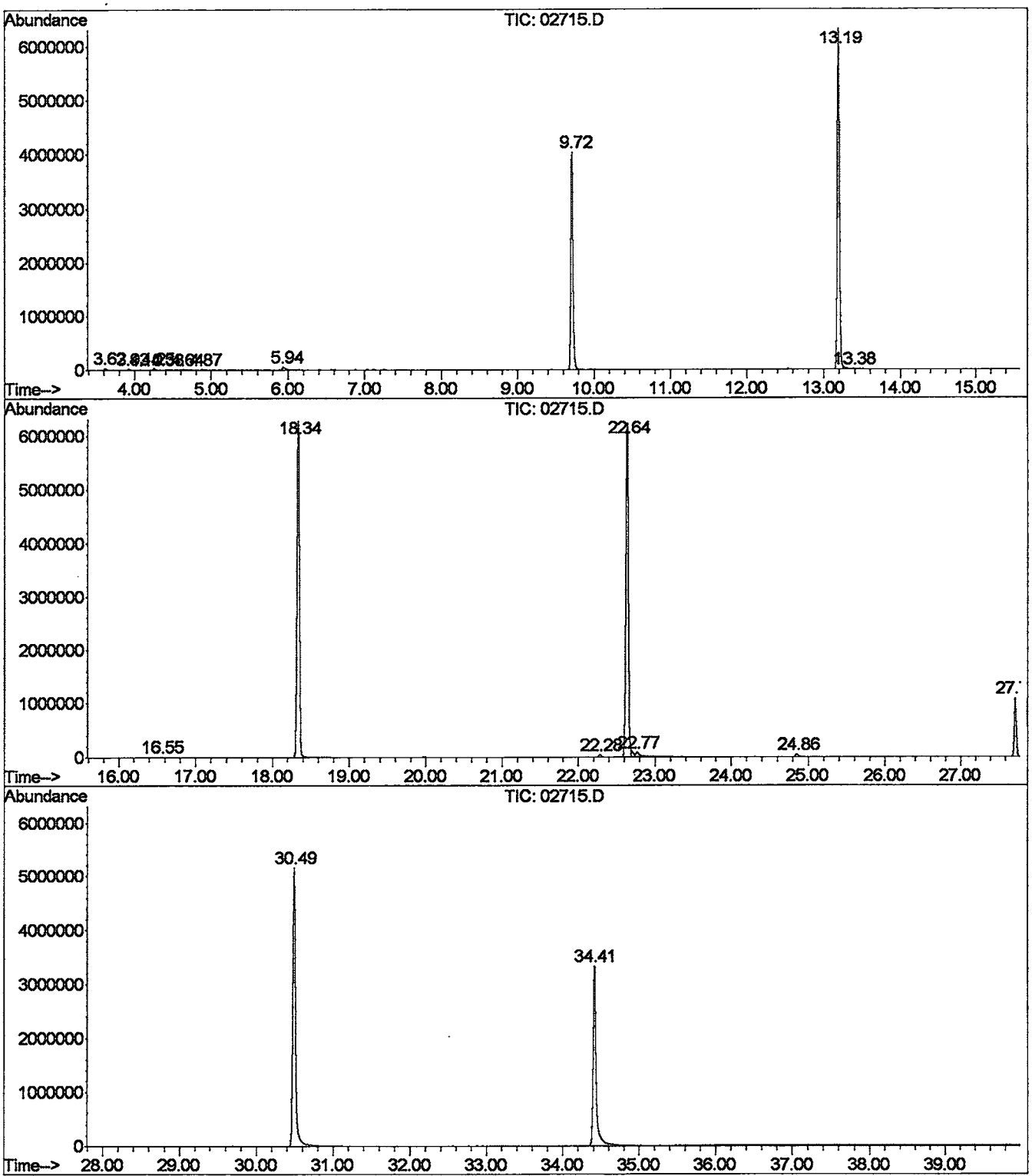
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.622	17	22	29	rVB	35451	72280	0.51%	0.099%
2	3.927	47	49	53	rVB	20490	32989	0.23%	0.045%
3	4.096	59	64	75	rVV3	7942	26016	0.18%	0.036%
4	4.254	75	78	85	rVV3	27559	61880	0.44%	0.085%
5	4.378	85	89	93	rVV3	8777	17059	0.12%	0.023%
6	4.638	107	112	125	rVB5	12712	41462	0.29%	0.057%
7	4.875	131	133	143	rBV3	12285	42035	0.30%	0.057%
8	5.936	225	227	247	rVB	57984	164070	1.16%	0.224%
9	9.718	557	562	567	rBV	4036683	8193845	58.00%	11.208%
10	13.195	865	870	875	rBV	6320149	12077555	85.49%	16.520%
11	13.375	883	886	895	rVB2	11352	26149	0.19%	0.036%
12	16.548	1165	1167	1171	rVB	10593	17559	0.12%	0.024%
13	18.342	1319	1326	1331	rBV	6275818	13265542	93.90%	18.145%
14	22.282	1671	1675	1681	rBV2	40517	86952	0.62%	0.119%
15	22.644	1701	1707	1711	rBV	6218262	14127828	100.00%	19.324%
16	22.768	1715	1718	1737	rVB2	79354	333997	2.36%	0.457%
17	24.856	1897	1903	1909	rBV	46058	96285	0.68%	0.132%
18	27.724	2153	2157	2163	rBV	1084679	1910999	13.53%	2.614%
19	30.489	2397	2402	2439	rBV2	5160592	12904559	91.34%	17.651%
20	34.407	2743	2749	2787	rBV	3329594	9610007	68.02%	13.145%

Sum of corrected areas: 73109068

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB28\02715.D
Operator :
Acquired : 28 Feb 2002 1:50 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 28, 2002
Vial Number: 5
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB28\02715.D Vial: 5
Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

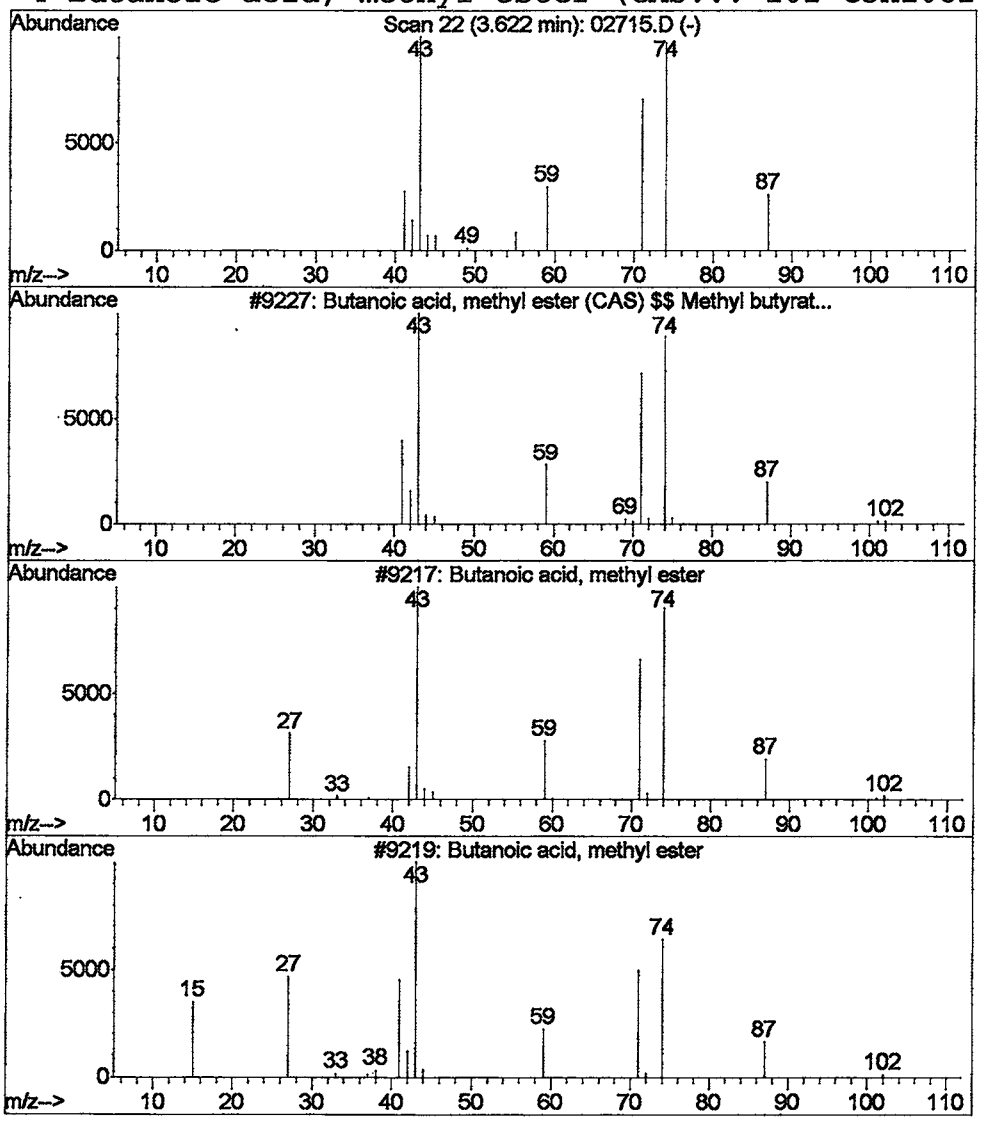
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

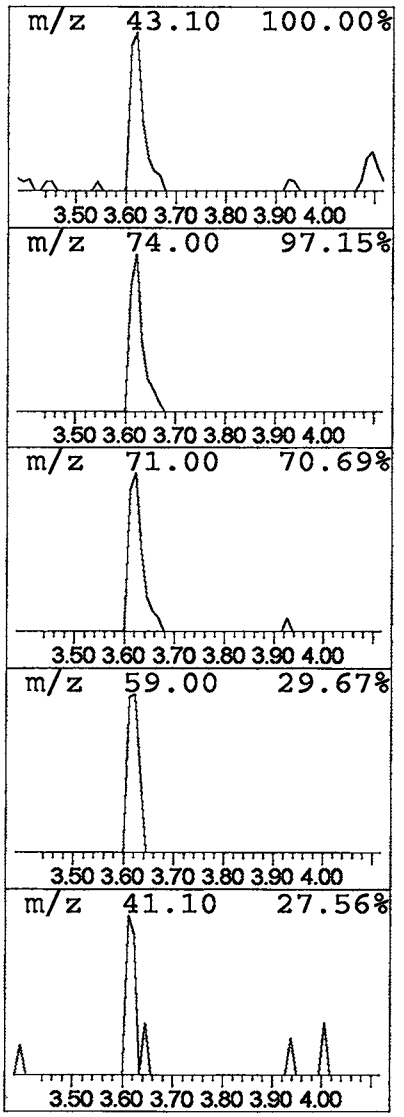
****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.18 ug/L	72280	1,4-Dichlorobenzene-d4	9.72

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	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	78
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78





Library Search Compound Report

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Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 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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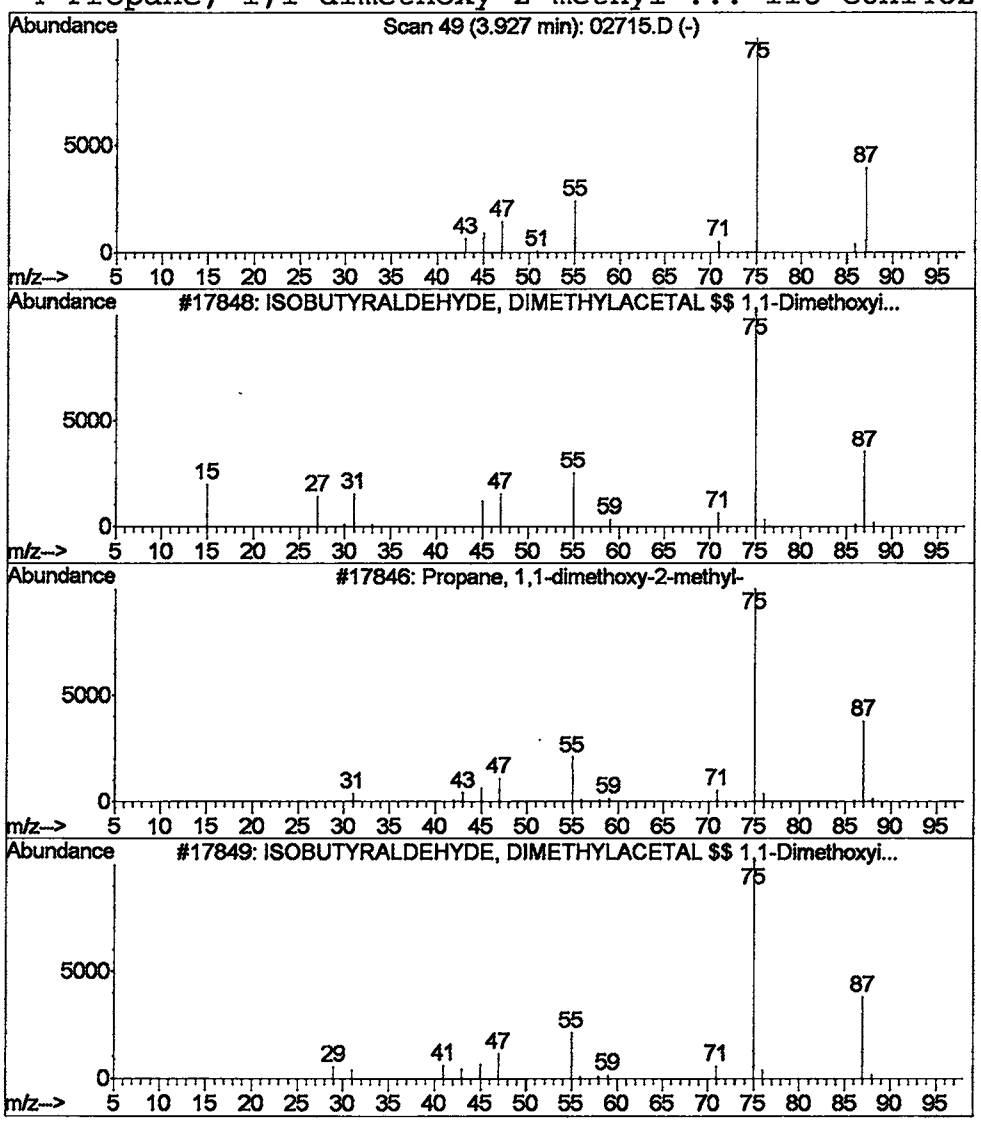
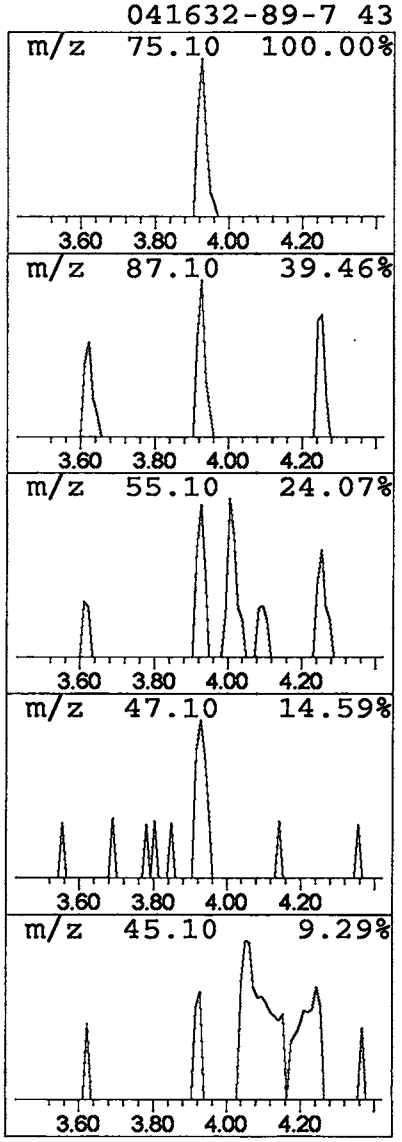
Peak Number 2 ISOBUTYRALDEHYDE, DIMETHYLA... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.08 ug/L	32989	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
2	Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	83
3	ISOBUTYRALDEHYDE, DIMETHYLACETAL...	118	C6H14O2	000000-00-0	83
4	Propane, 1,1-dimethoxy-2-methyl-...	118	C6H14O2	041632-89-7	43





Library Search Compound Report

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Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

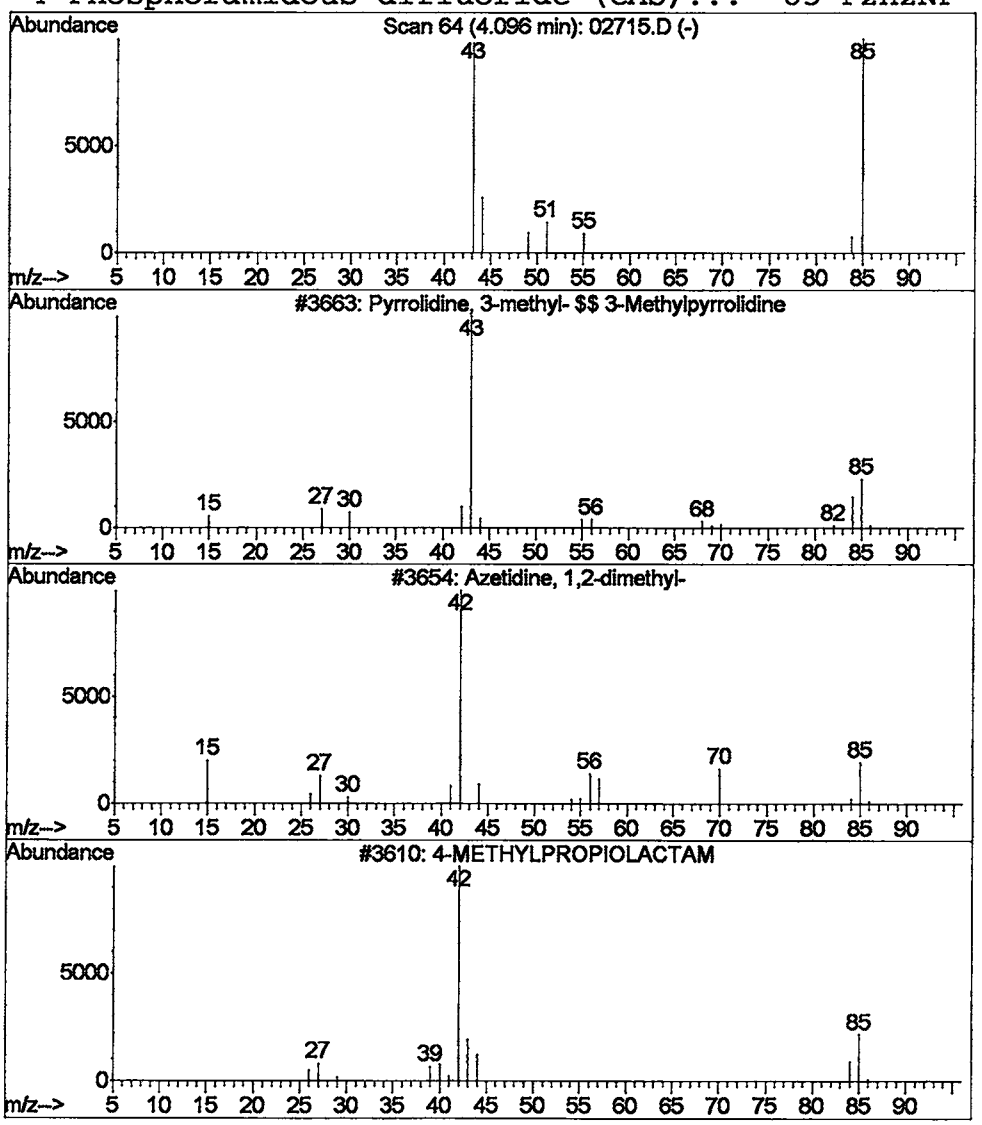
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

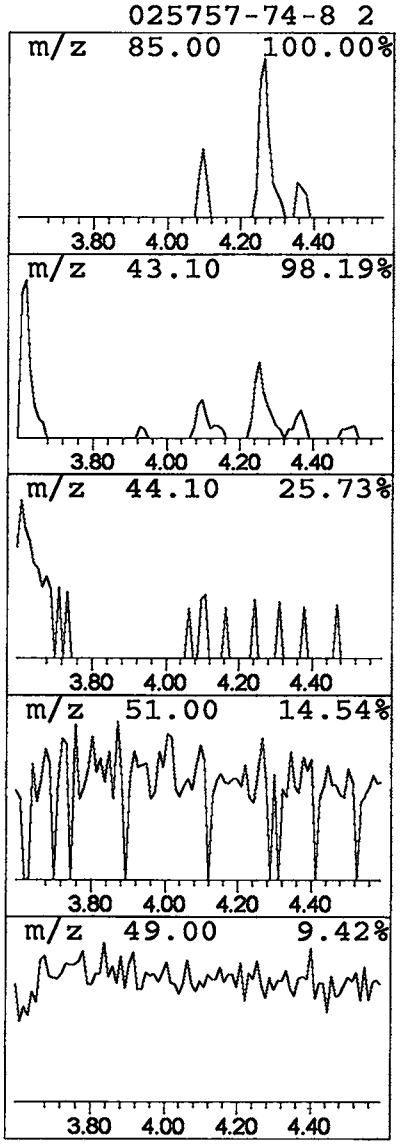
****

Peak Number 3 Pyrrolidine, 3-methyl- $$ 3... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	0.06 ug/L	26016	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrolidine, 3-methyl- $$ 3-Meth...	85	C5H11N	034375-89-8	3
2	Azetidine, 1,2-dimethyl-	85	C5H11N	051764-32-0	3
3	4-METHYLPROPIOLACTAM	85	C4H7NO	000000-00-0	3
4	Phosphoramidous difluoride (CAS)...	85	F2H2NP	025757-74-8	2





Library Search Compound Report

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Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

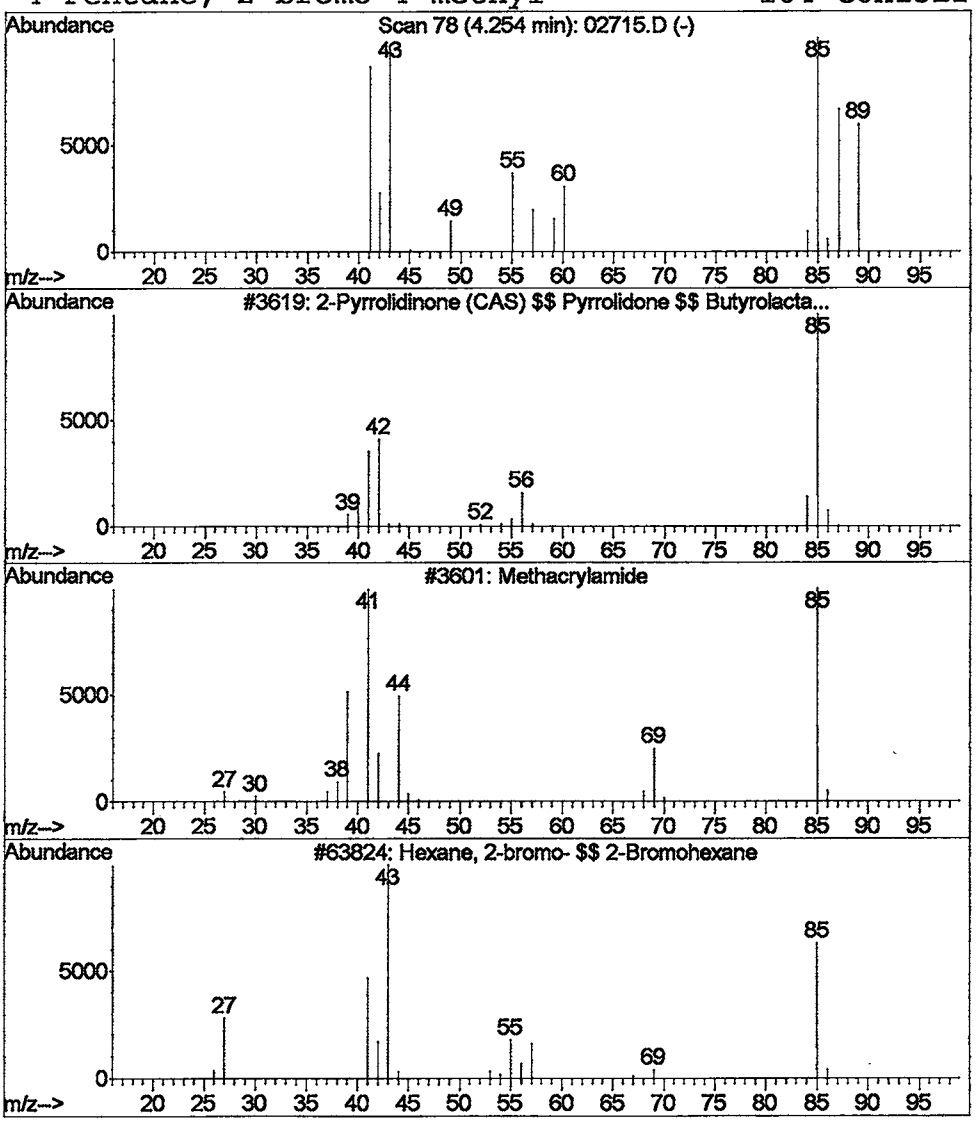
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

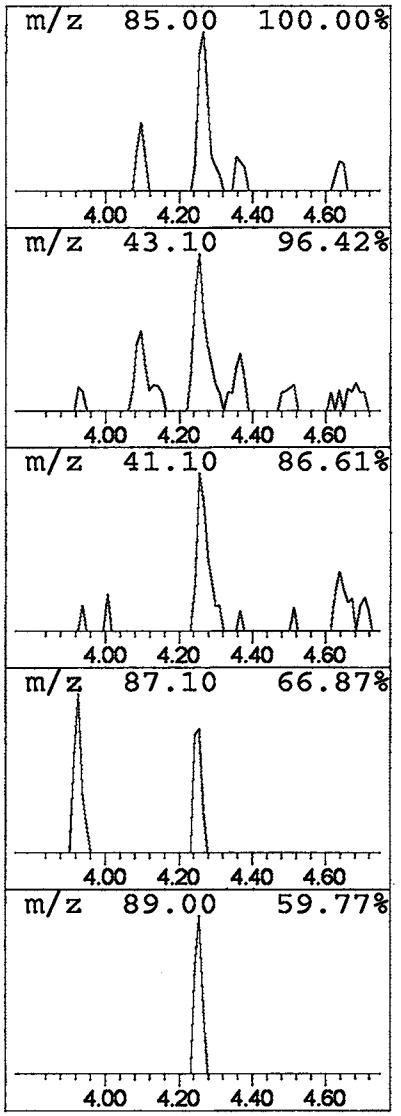
****

Peak Number 4 2-Pyrrolidinone (CAS) $$ Py... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.15 ug/L	61880	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone (CAS) $$ Pyrroli...	85	C4H7NO	000616-45-5	25
2	Methacrylamide	85	C4H7NO	000079-39-0	25
3	Hexane, 2-bromo- $$ 2-Bromohexane	164	C6H13Br	003377-86-4	17
4	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	17





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB28\02715.D Vial: 5
Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 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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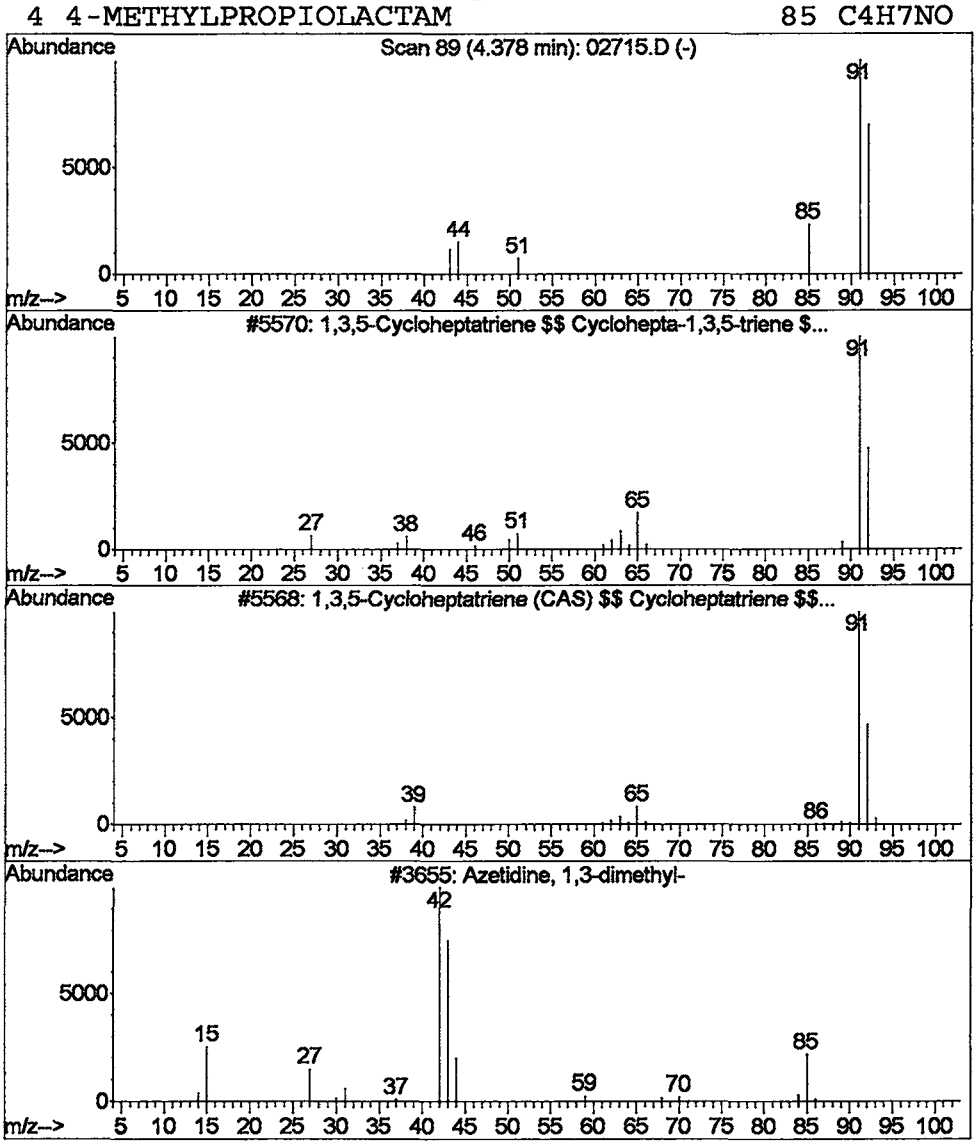
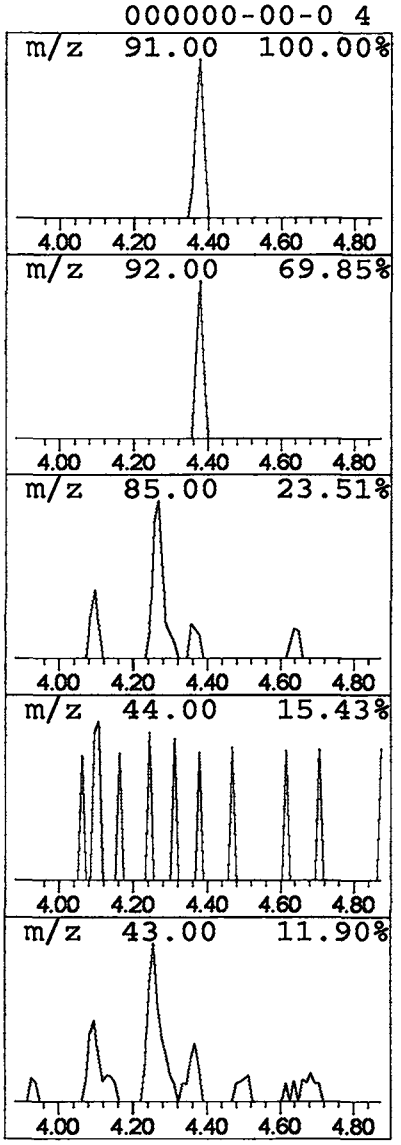
Peak Number 5 1,3,5-Cycloheptatriene $$ C... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	0.04 ug/L	17059	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene $$ Cycloh...	92	C7H8	000544-25-2	7
2	1,3,5-Cycloheptatriene (CAS) $$ ...	92	C7H8	000544-25-2	4
3	Azetidine, 1,3-dimethyl-	85	C5H11N	055683-38-0	4
4	4-METHYLPROPIOLACTAM	85	C4H7NO	000000-00-0	4





Library Search Compound Report

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Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 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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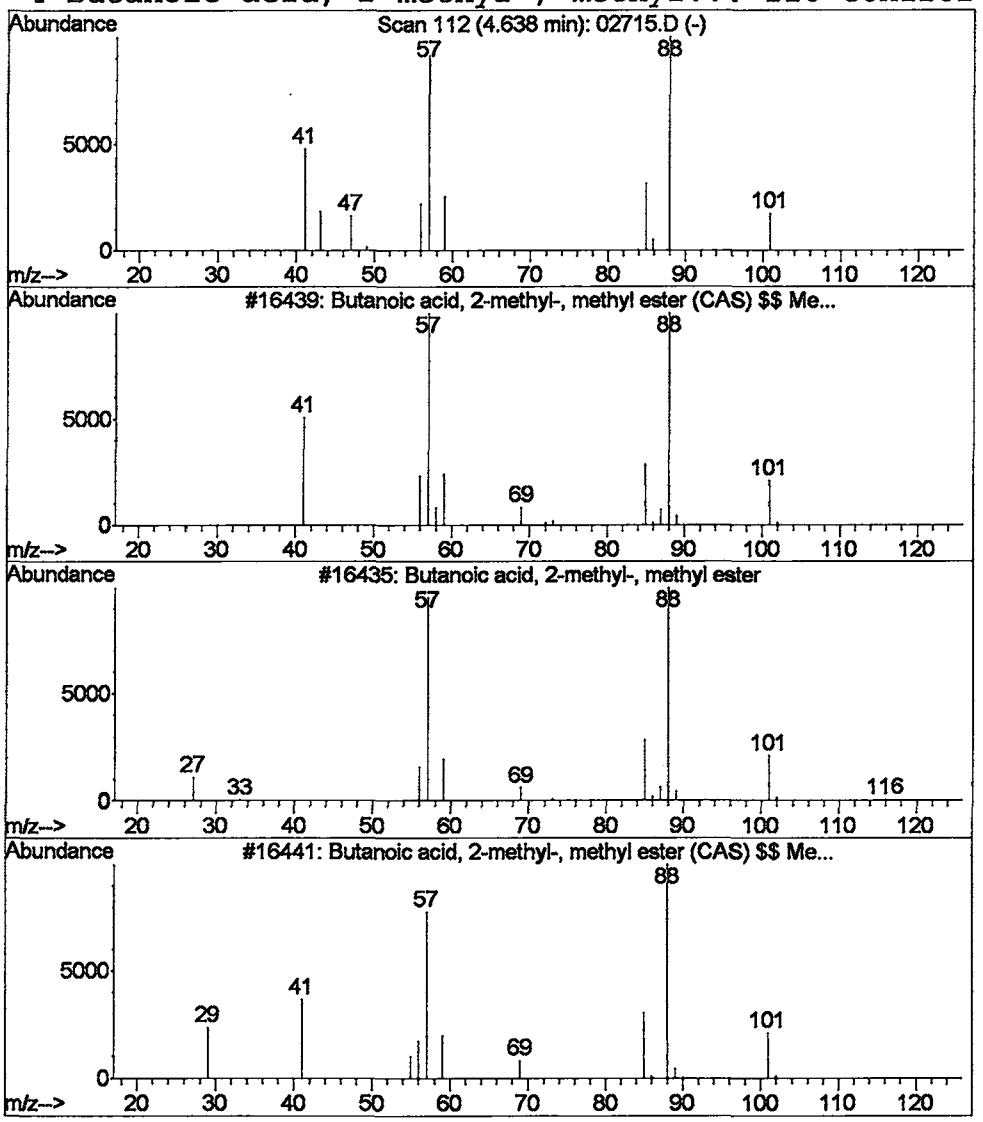
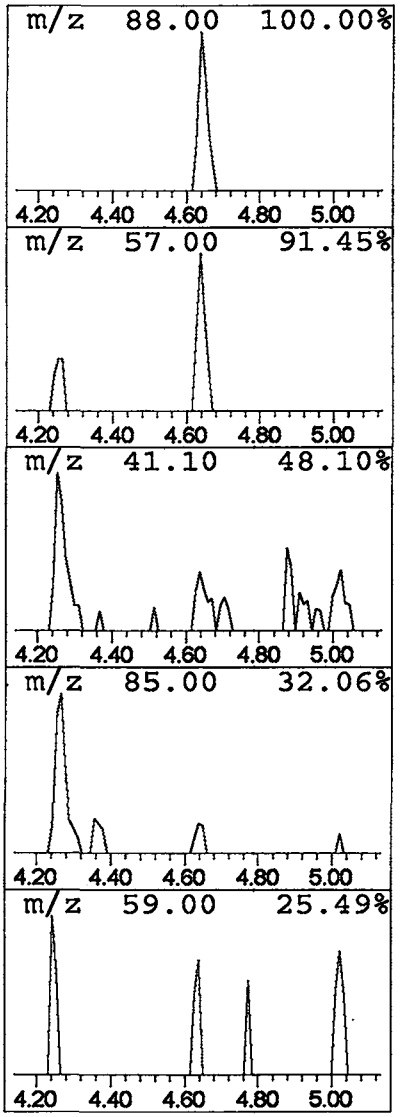
Peak Number 6 Butanoic acid, 2-methyl-, m... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	0.10 ug/L	41462	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	78
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	78
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	78
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	72





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Library : C:\DATABASE\WILEY7N.L

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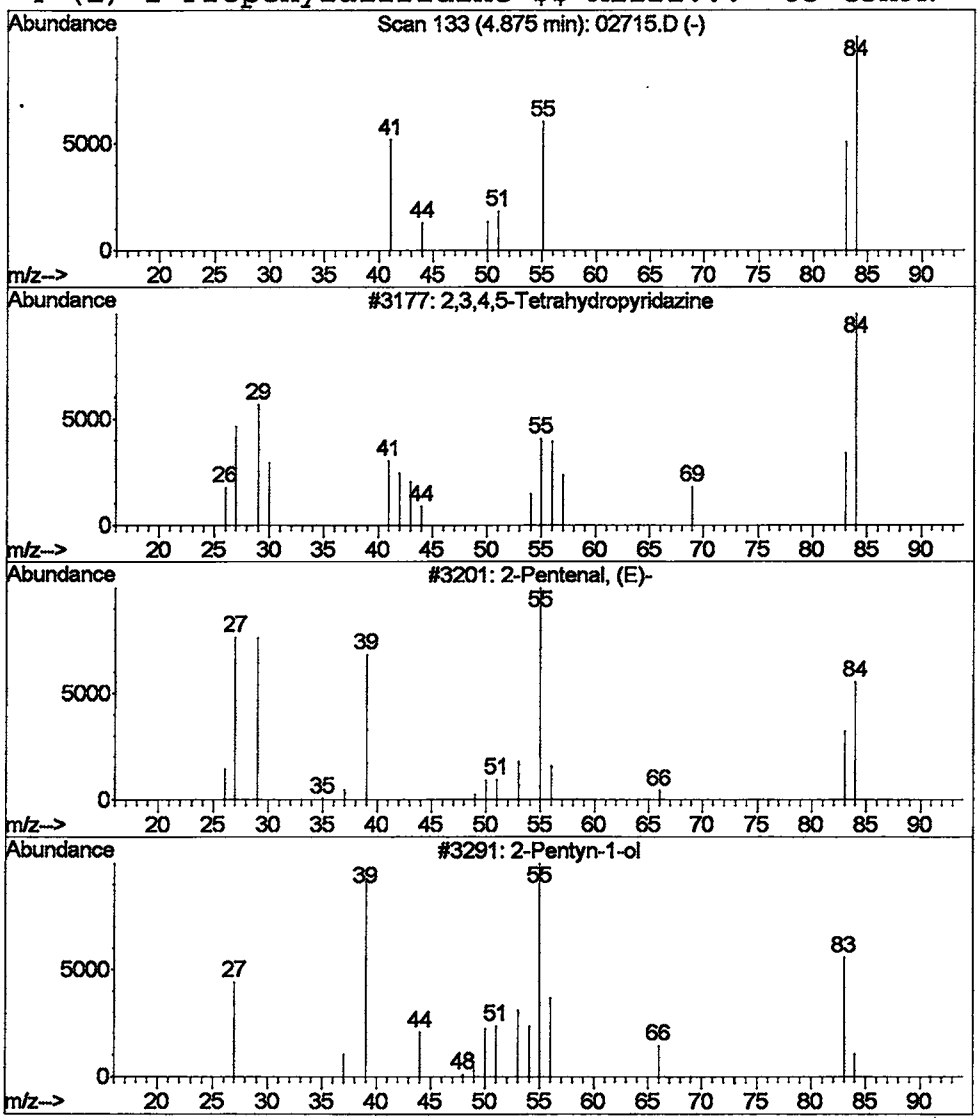
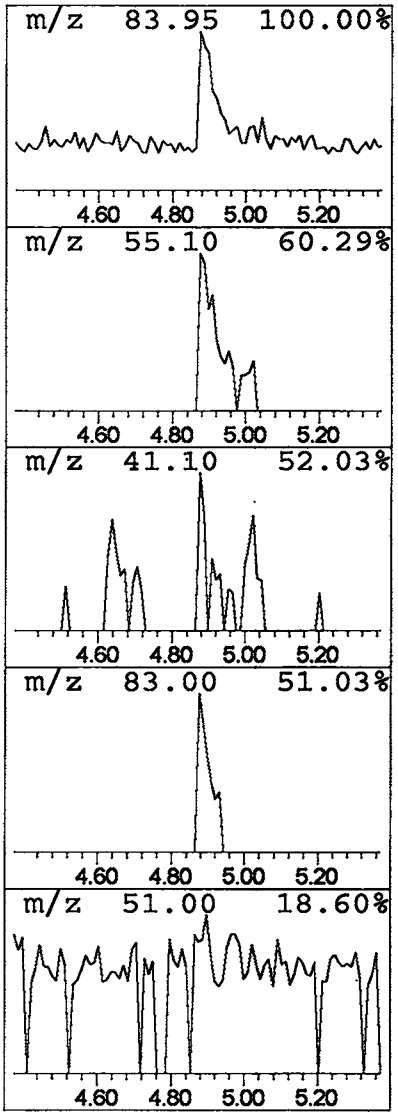
Peak Number 7 2,3,4,5-Tetrahydropyridazine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	0.10 ug/L	42035	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	64
2	2-Pentenal, (E)-	84	C5H8O	001576-87-0	43
3	2-Pentyn-1-ol	84	C5H8O	006261-22-9	9
4	(Z)-1-Propenylaziridine $$ Aziri...	83	C5H9N	024461-38-9	7





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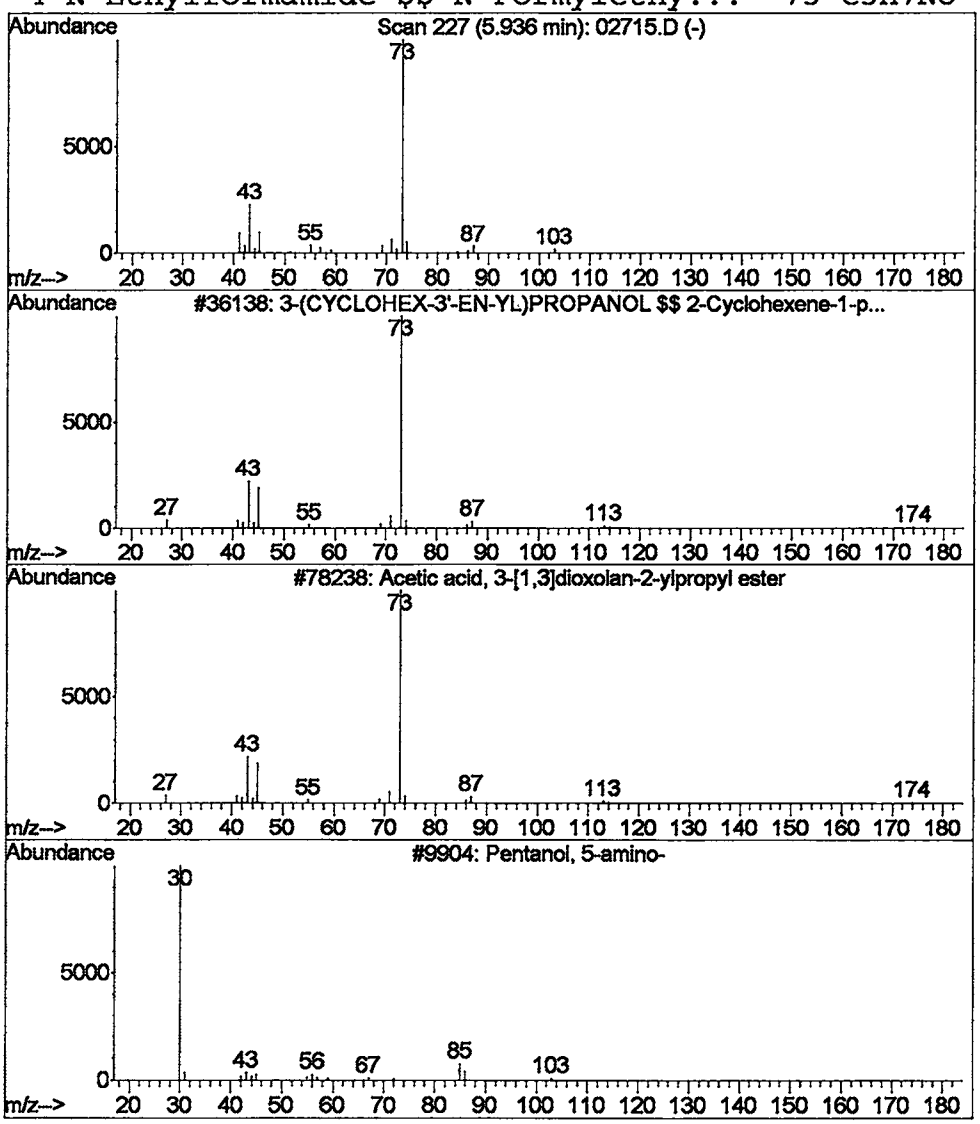
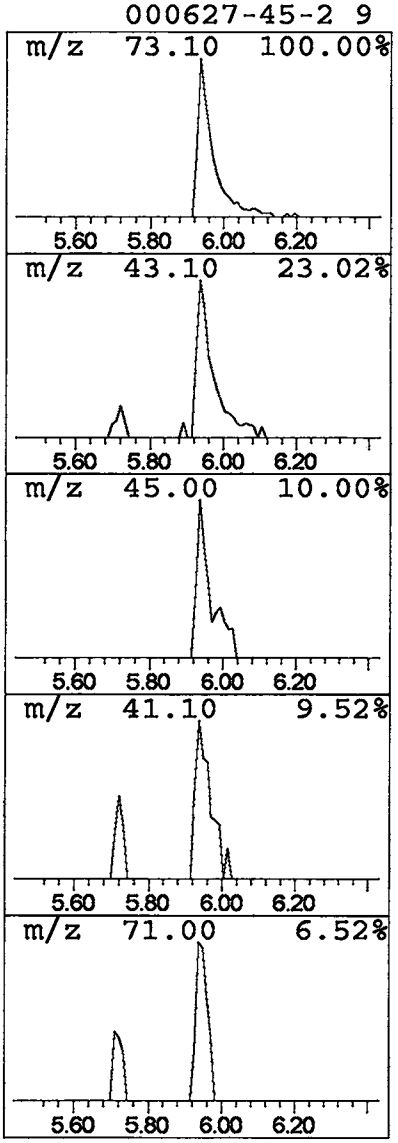
Peak Number 8 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	0.40 ug/L	164070	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	42
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	42
3	Pentanol, 5-amino-	103	C5H13NO	002508-29-4	9
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





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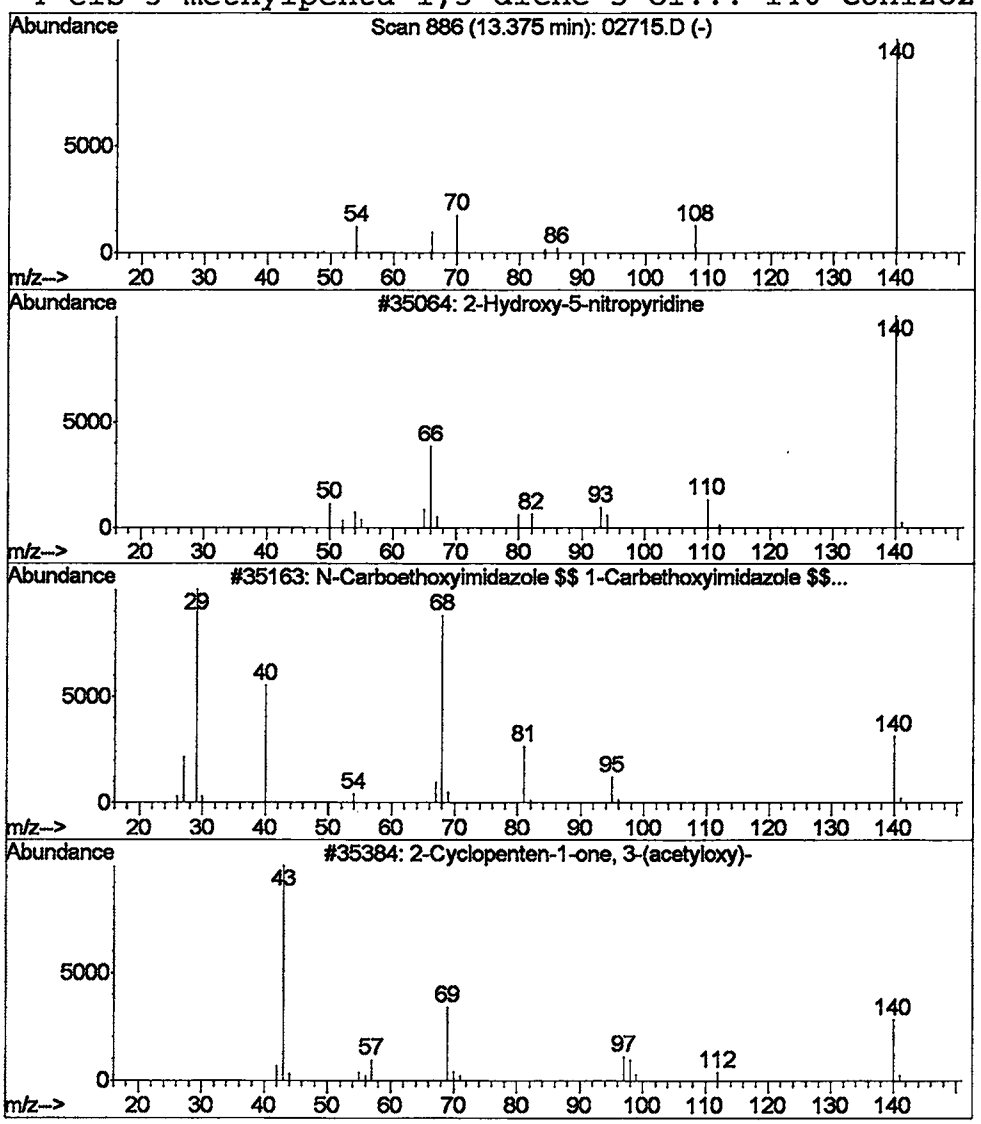
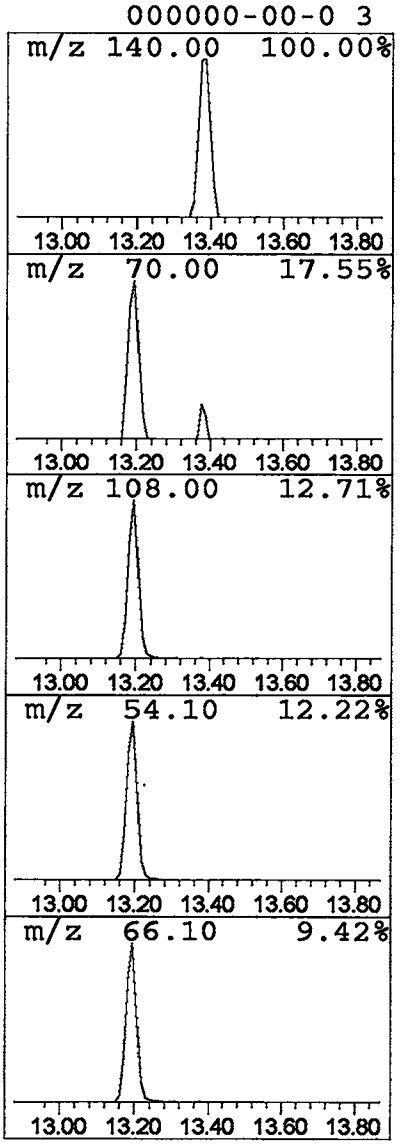
Peak Number 9 2-Hydroxy-5-nitropyridine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	0.04 ug/L	26149	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-5-nitropyridine	140	C5H4N2O3	005418-51-9	4
2	N-Carboethoxyimidazole $$ 1-Carb...	140	C6H8N2O2	019213-72-0	3
3	2-Cyclopenten-1-one, 3-(acetyloxy)-	140	C7H8O3	018766-96-6	3
4	Cis-3-methylpenta-1,3-diene-5-ol...	140	C8H12O2	000000-00-0	3





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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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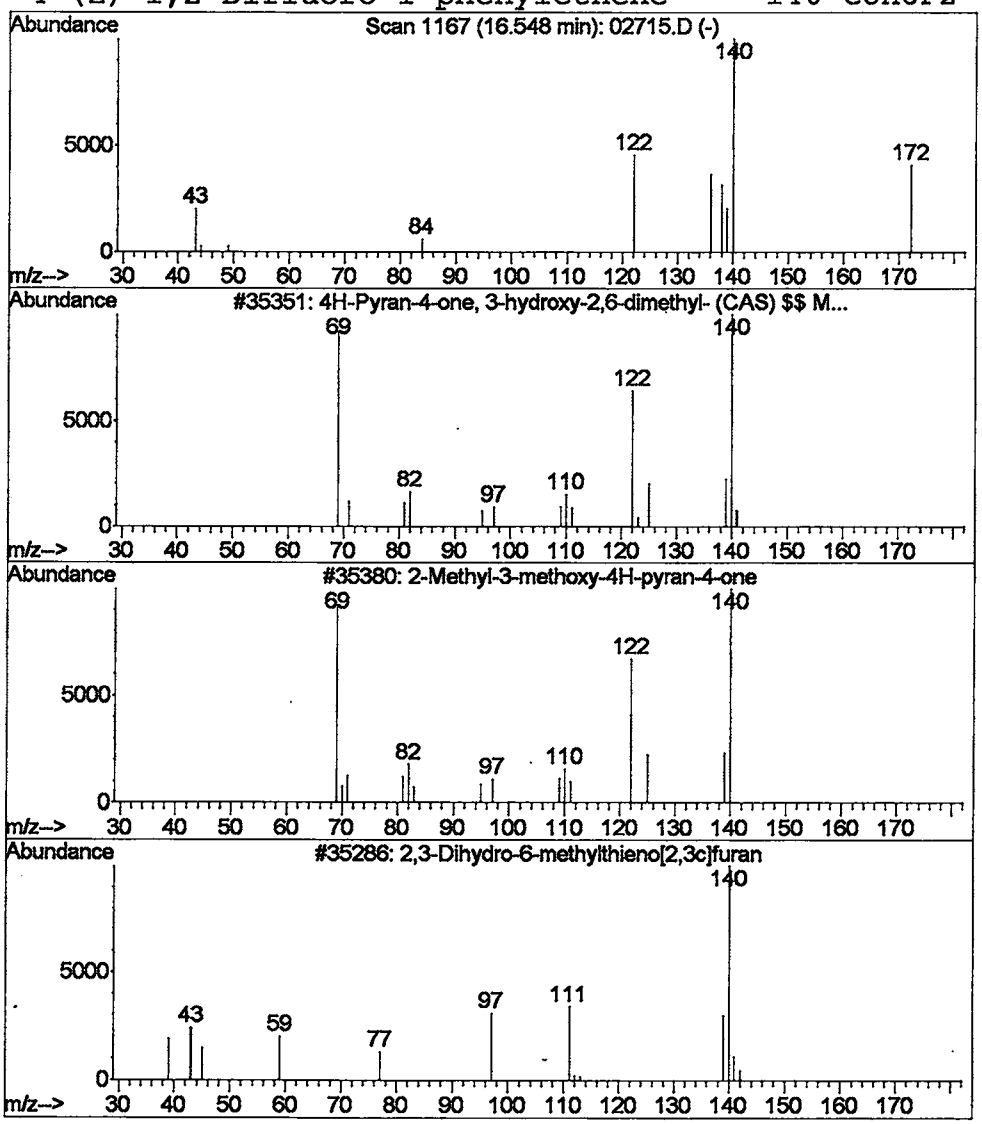
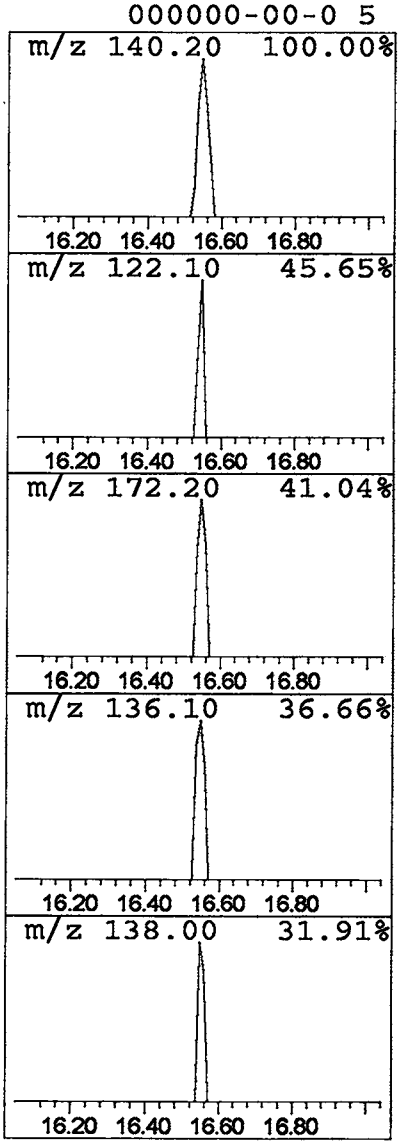
Peak Number 10 4H-Pyran-4-one, 3-hydroxy-2... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	0.03 ug/L	17559	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Pyran-4-one, 3-hydroxy-2,6-di...	140	C7H8O3	002298-99-9	9
2	2-Methyl-3-methoxy-4H-pyran-4-one	140	C7H8O3	000000-00-0	9
3	2,3-Dihydro-6-methylthieno[2,3c]...	140	C7H8OS	000000-00-0	7
4	(Z)-1,2-Difluoro-1-phenylethene	140	C8H6F2	000000-00-0	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB28\02715.D Vial: 5
Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 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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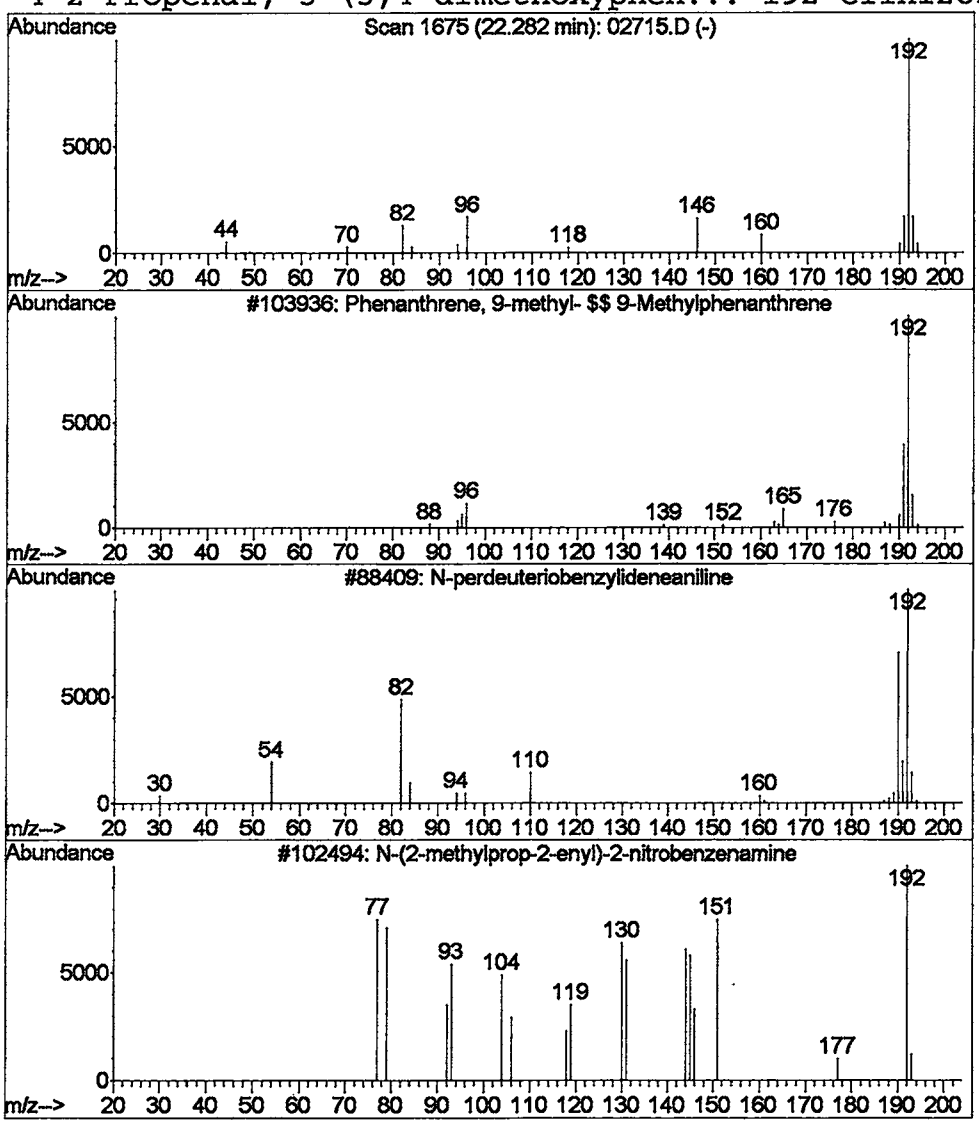
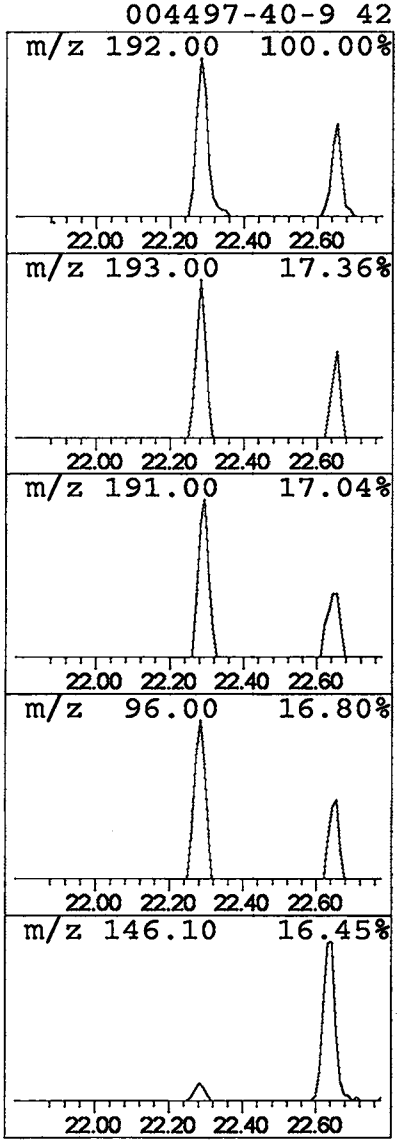
Peak Number 11 Phenanthrene, 9-methyl- $$ ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.12 ug/L	86952	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
2	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	59
3	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49
4	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42





Data File : C:\MSDCHEM\1\5973N\02FEB28\02715.D Vial: 5
Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 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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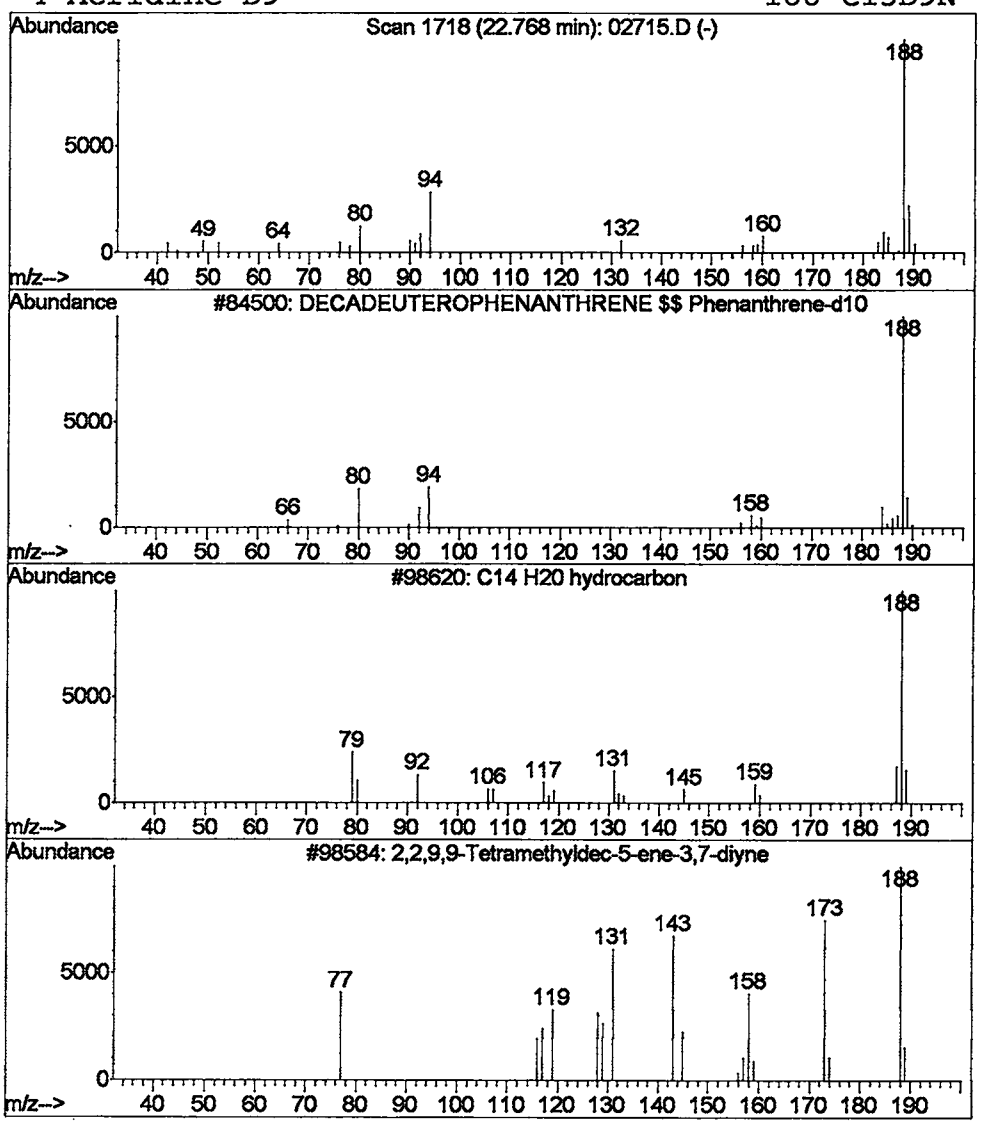
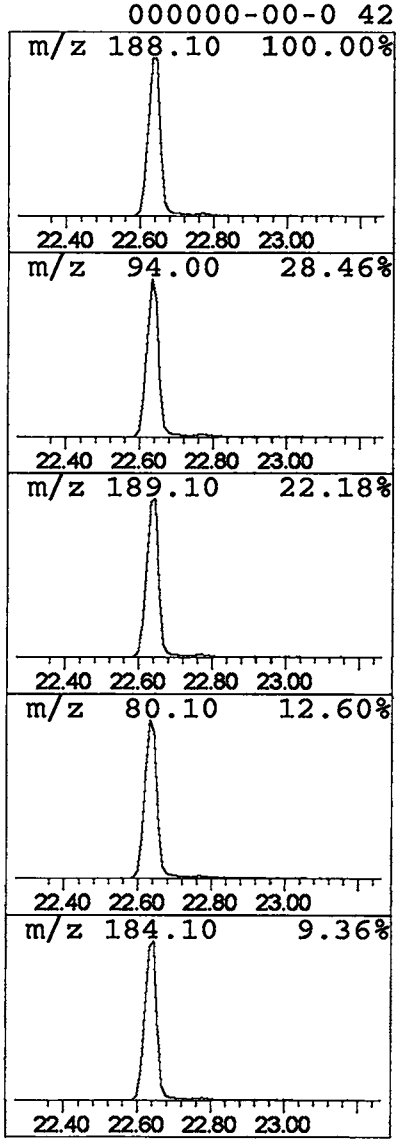
Peak Number 12 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.47 ug/L	333997	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	59
2	C14 H20 hydrocarbon	188	C14H20	000000-00-0	50
3	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	43
4	Acridine-D9	188	C13D9N	000000-00-0	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB28\02715.D Vial: 5
Acq On : 28 Feb 2002 1:50 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 28, 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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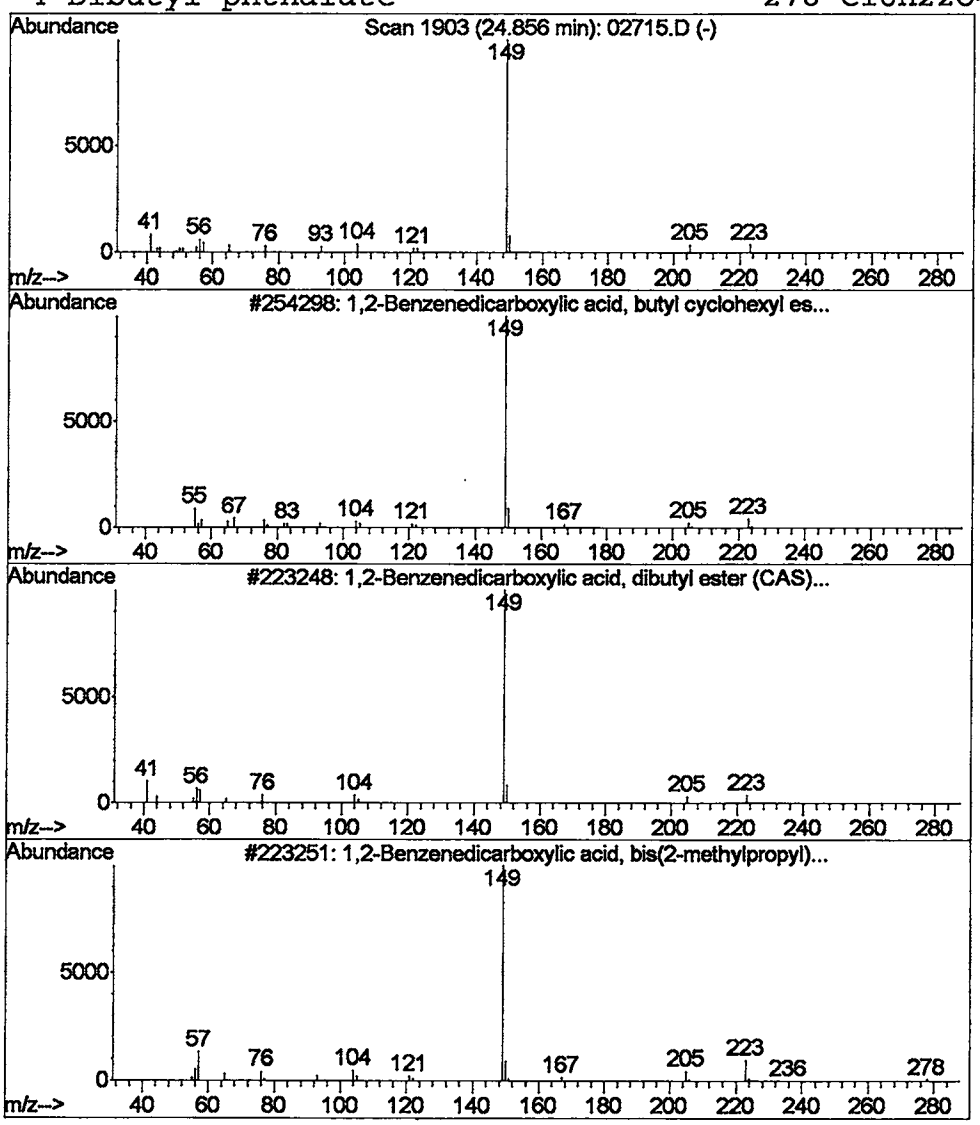
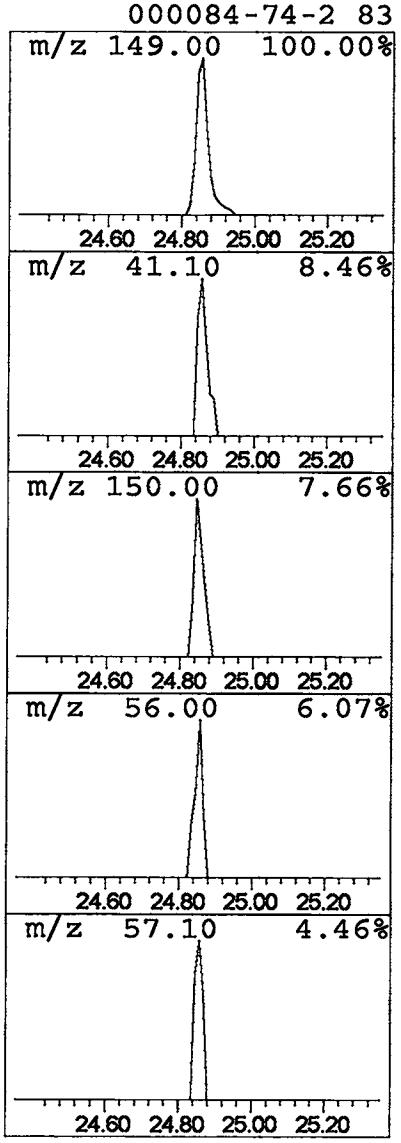
Peak Number 13 1,2-Benzenedicarboxylic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.86	0.14 ug/L	96285	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bu...	304	C18H24O4	000084-64-0	83
2	1,2-Benzenedicarboxylic acid, di...	278	C16H22O4	000084-74-2	83
3	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	83
4	Dibutyl phthalate	278	C16H22O4	000084-74-2	83





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 28 Feb 2002 1:50 pm
Data File: C:\MSDCHEM\1\5973N\02FEB28\02715.D
Name: 508 scan
Misc: February 28, 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	0.2	ug/L	72280	1	9.72	8193850	20.0
ISOBUTYRALDEHYDE,...	3.93	0.1	ug/L	32989	1	9.72	8193850	20.0
Pyrrolidine, 3-me...	4.10	0.1	ug/L	26016	1	9.72	8193850	20.0
2-Pyrrolidinone (...	4.25	0.2	ug/L	61880	1	9.72	8193850	20.0
1,3,5-Cycloheptat...	4.38	0.0	ug/L	17059	1	9.72	8193850	20.0
Butanoic acid, 2-...	4.64	0.1	ug/L	41462	1	9.72	8193850	20.0
2,3,4,5-Tetrahydr...	4.87	0.1	ug/L	42035	1	9.72	8193850	20.0
3-(CYCLOHEX-3'-EN...	5.94	0.4	ug/L	164070	1	9.72	8193850	20.0
2-Hydroxy-5-nitro...	13.38	0.0	ug/L	26149	2	13.19	12077600	20.0
4H-Pyran-4-one, 3...	16.55	0.0	ug/L	17559	3	18.34	13265500	20.0
Phenanthrene, 9-m...	22.28	0.1	ug/L	86952	4	22.64	14127800	20.0
DECADEUTEROPHENAN...	22.77	0.5	ug/L	333997	4	22.64	14127800	20.0
1,2-Benzenedicarb...	24.86	0.1	ug/L	96285	4	22.64	14127800	20.0