User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/04/2002 Time: 14:26:10

Sample: AE01506
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/4/02 14:25 Ended: 3/4/02 14:25 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		99		5.0

Comments for Sample AE01506 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-04-2002 Time: 14:26:30

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\01506.D Vial: 3
Acq On : 21 Feb 2002 12:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 25 10:49:01 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	1538690	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	6682627	20.00	ug/L	0.00
17) Acenaphthene-d10	18.34	164	3383604	20.00	ug/L	0.00
29) Phenanthrene-d10	22.64	188	6045130	20.00	ug/L	0.00
38) Chrysene-d12	30.49	240	4272904	20.00	ug/L	-0.03
44) Perylene-d12	34.41	264	2820465	20.00	ug/L	-0.04
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	397616	4.93	ug/L	0.00
Spiked Amount 5.000			Recovery = 98.60%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	547015	2.66	ug/L #	58
21) 2,6-Dinitrotoluene	18.34	165	425529	8.98	ug/L #	27

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

Quantitation Report (Not Reviewed)

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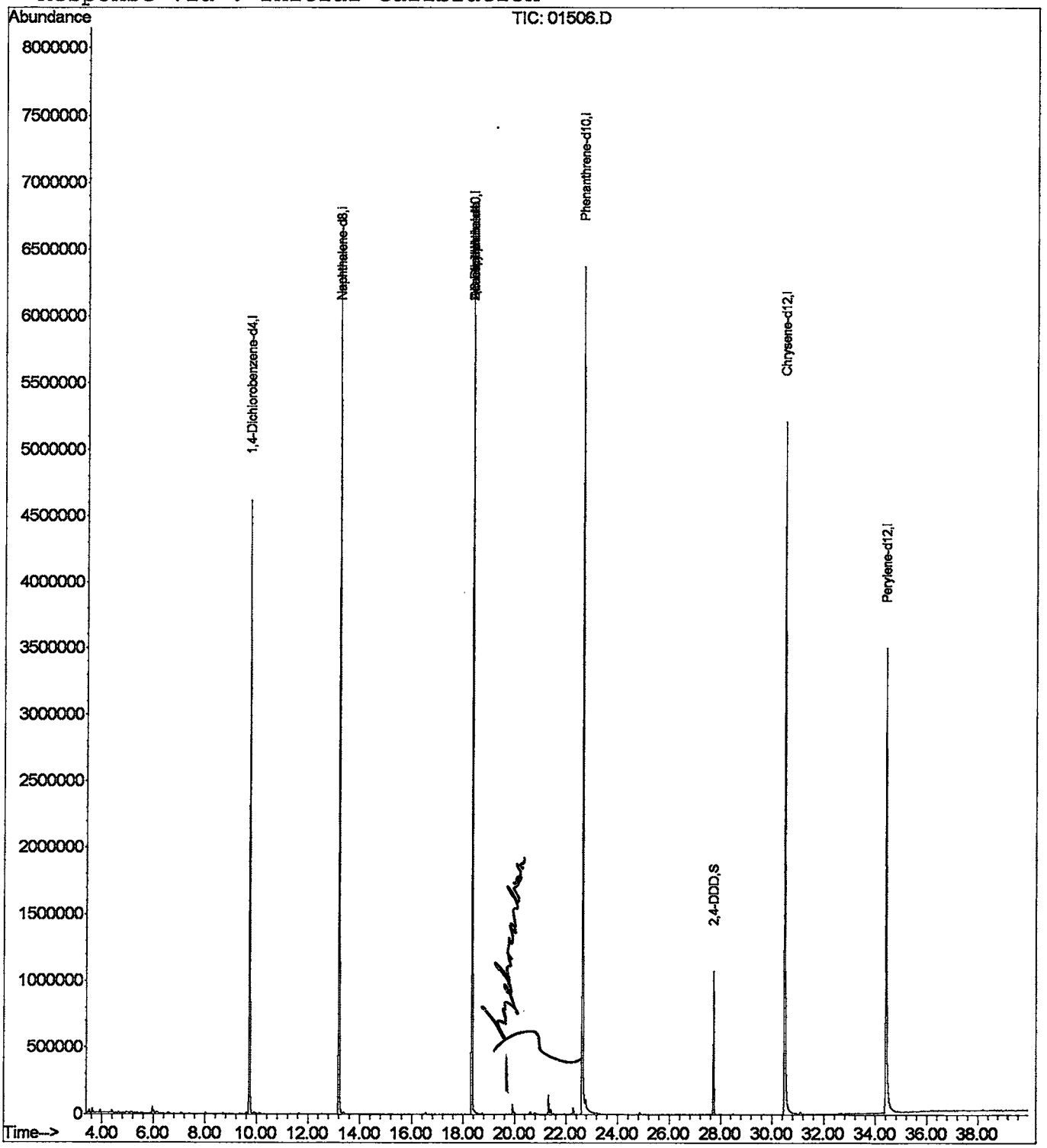
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 25 10:49 2002 Quant Results File: HP022102.R

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\01506.D Vial: 3
Acq On : 21 Feb 2002 12:31 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

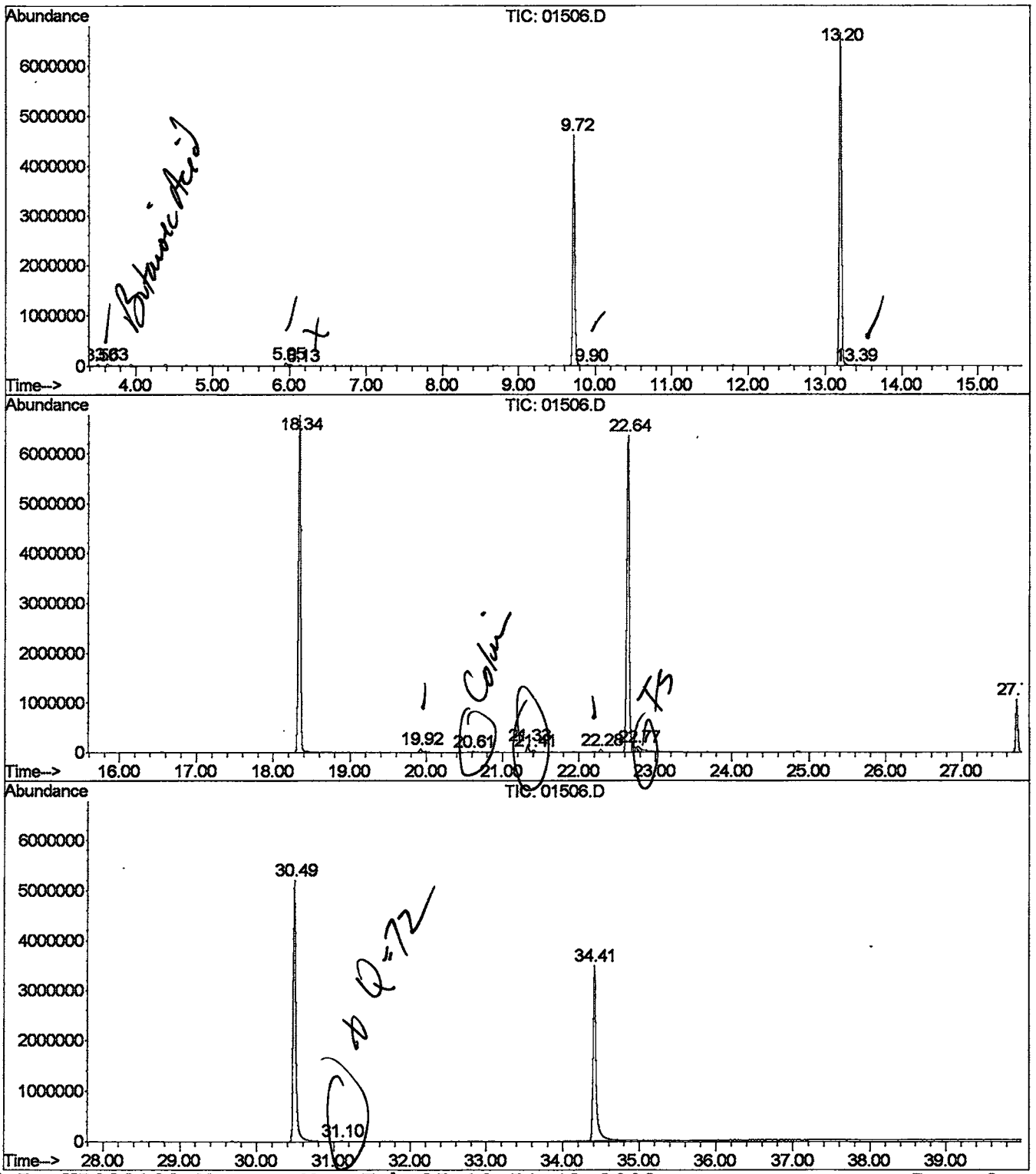
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.498	9	11	19	rVB2	26630	49292	0.34%	0.065%
2	3.634	19	23	27	rBV	38833	75106	0.51%	0.099%
3	5.948	225	228	239	rBV2	52239	185010	1.26%	0.243%
4	6.128	241	244	261	rVB3	14607	66692	0.45%	0.088%
5	9.718	557	562	567	rBV	4614715	8496996	57.76%	11.181%
6	9.899	575	578	593	rVB	13298	61543	0.42%	0.081%
7	13.195	865	870	875	rBV	6634858	12615220	85.75%	16.601%
8	13.387	883	887	899	rVB2	15189	48900	0.33%	0.064%
9	18.343	1321	1326	1331	rBV	6788811	13683635	93.01%	18.007%
10	19.923	1463	1466	1469	rBV	76211	134936	0.92%	0.178%
11	20.612	1525	1527	1535	rVB	20178	47922	0.33%	0.063%
12	21.335	1587	1591	1595	rBV	146256	265894	1.81%	0.350%
13	21.414	1595	1598	1603	rVB2	31114	66770	0.45%	0.088%
14	22.283	1671	1675	1679	rBV2	53207	108829	0.74%	0.143%
15	22.644	1701	1707	1711	rBV2	6368761	14711654	100.00%	19.359%
16	22.768	1715	1718	1753	rVB	108954	689309	4.69%	0.907%
17	27.724	2153	2157	2163	rBV	1072300	1961731	13.33%	2.581%
18	30.490	2397	2402	2437	rBV2	5207038	12877224	87.53%	16.945%
19	31.099	2451	2456	2465	rVB2	18153	45806	0.31%	0.060%
20	34.407	2743	2749	2785	rBV	3488960	9799870	66.61%	12.896%

Sum of corrected areas: 75992339

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB21\01506.D
Operator :
Acquired : 21 Feb 2002 12:31 pm using AcqMethod HP020702
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 21, 2002
Vial Number: 3
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01506.D Vial: 3
Acq On : 21 Feb 2002 12:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

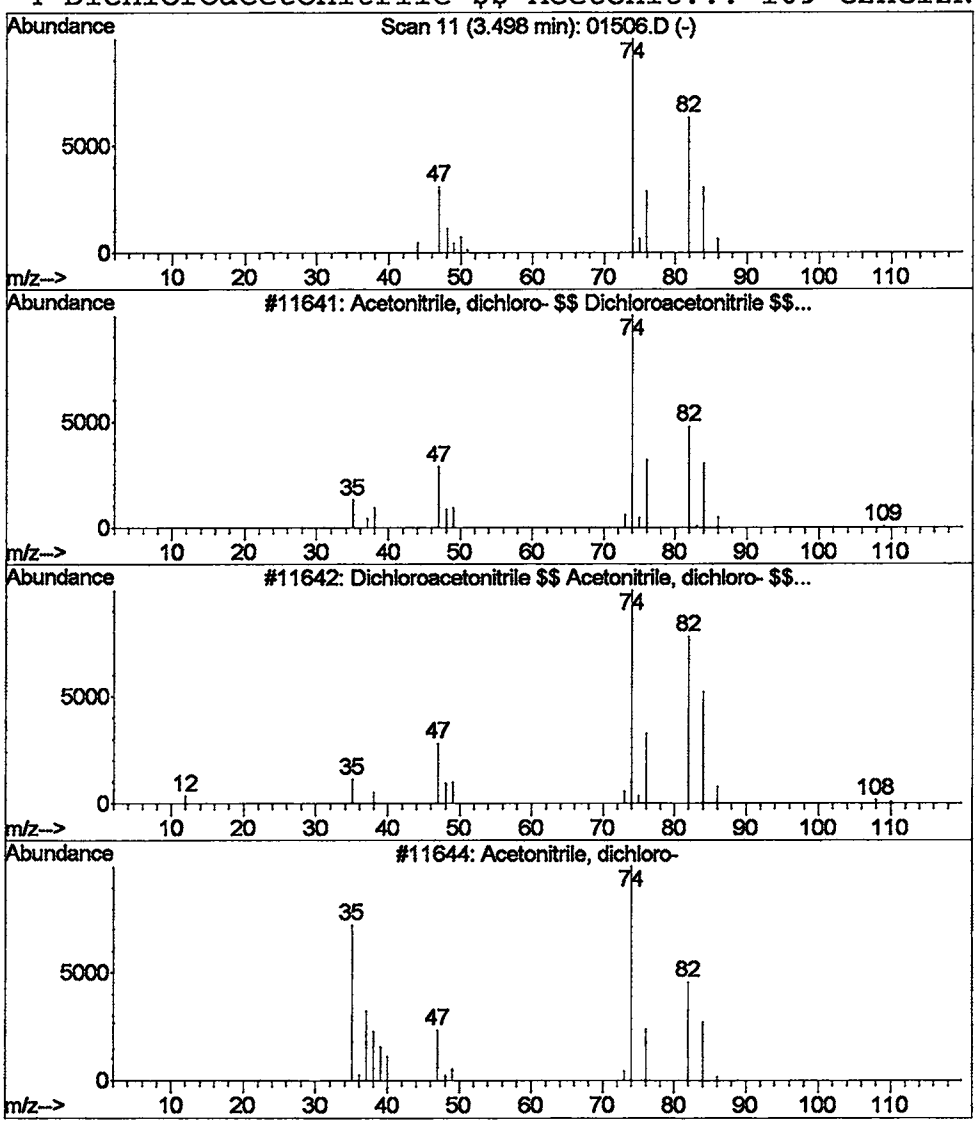
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

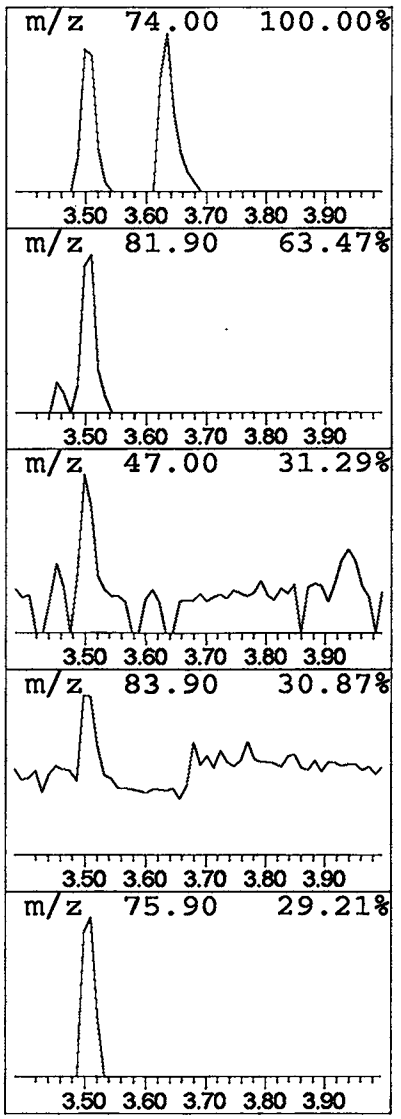
****

Peak Number 1 Acetonitrile, dichloro- $$ ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	0.12 ug/L	49292	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	78
2	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	74
3	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	43
4	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	40





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Acq On : 21 Feb 2002 12:31 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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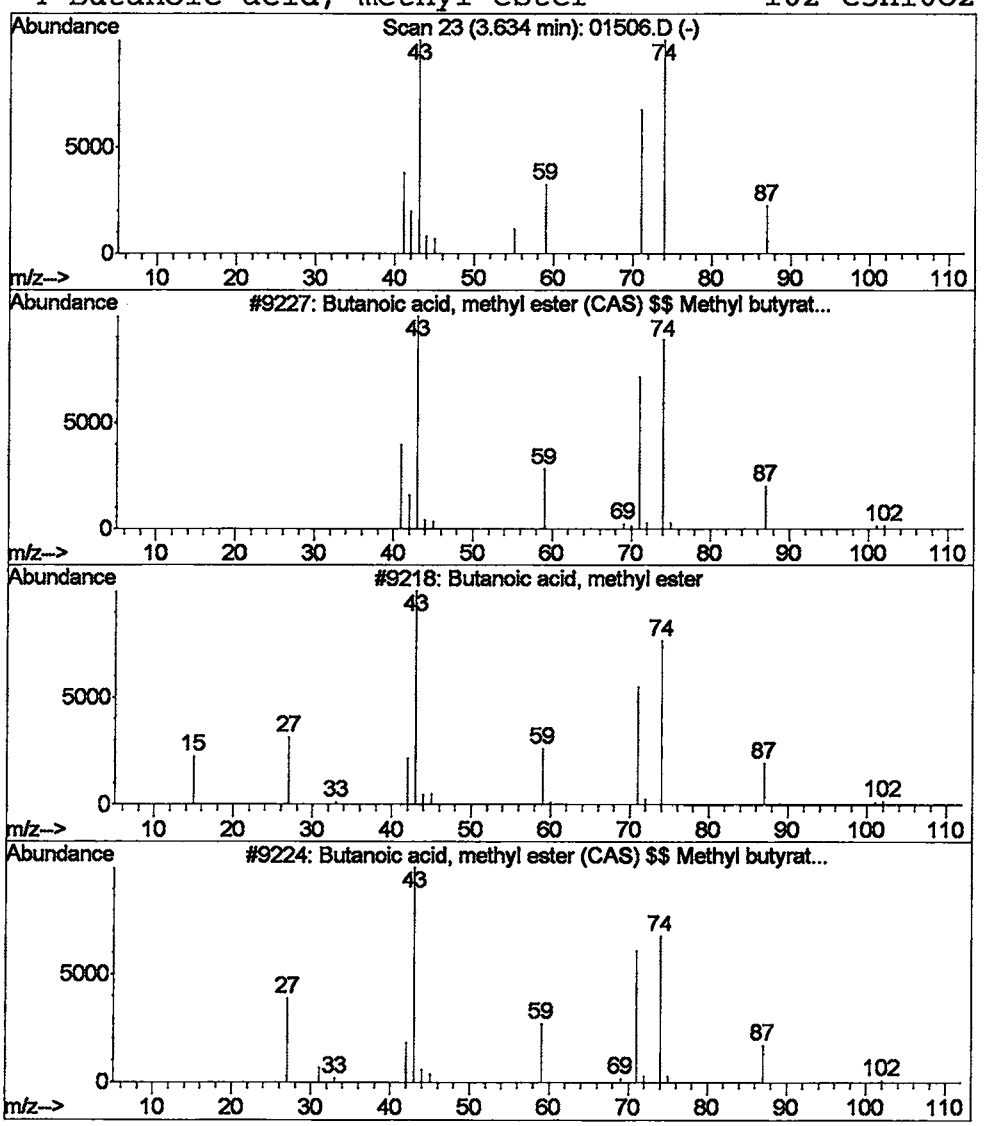
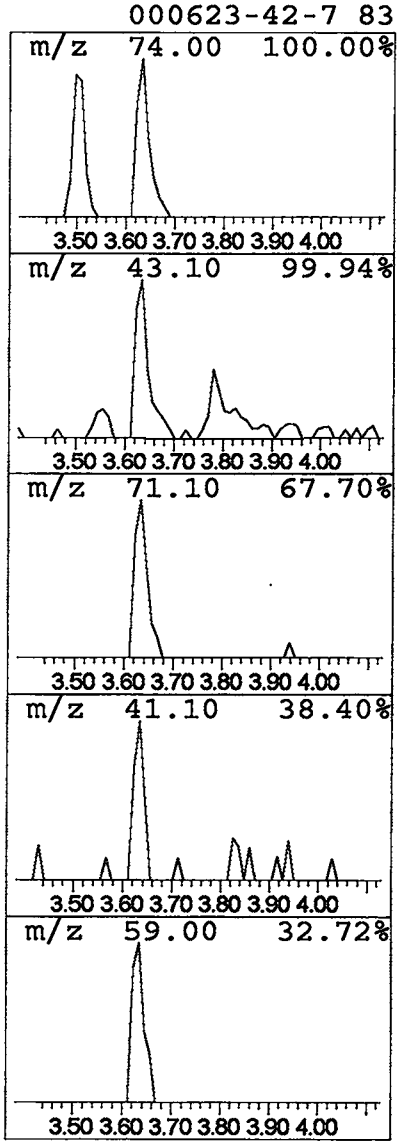
Peak Number 2 Butanoic acid, methyl ester... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	0.18 ug/L	75106	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 (CAS...	102	C5H10O2	000623-42-7	83
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83





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Acq On : 21 Feb 2002 12:31 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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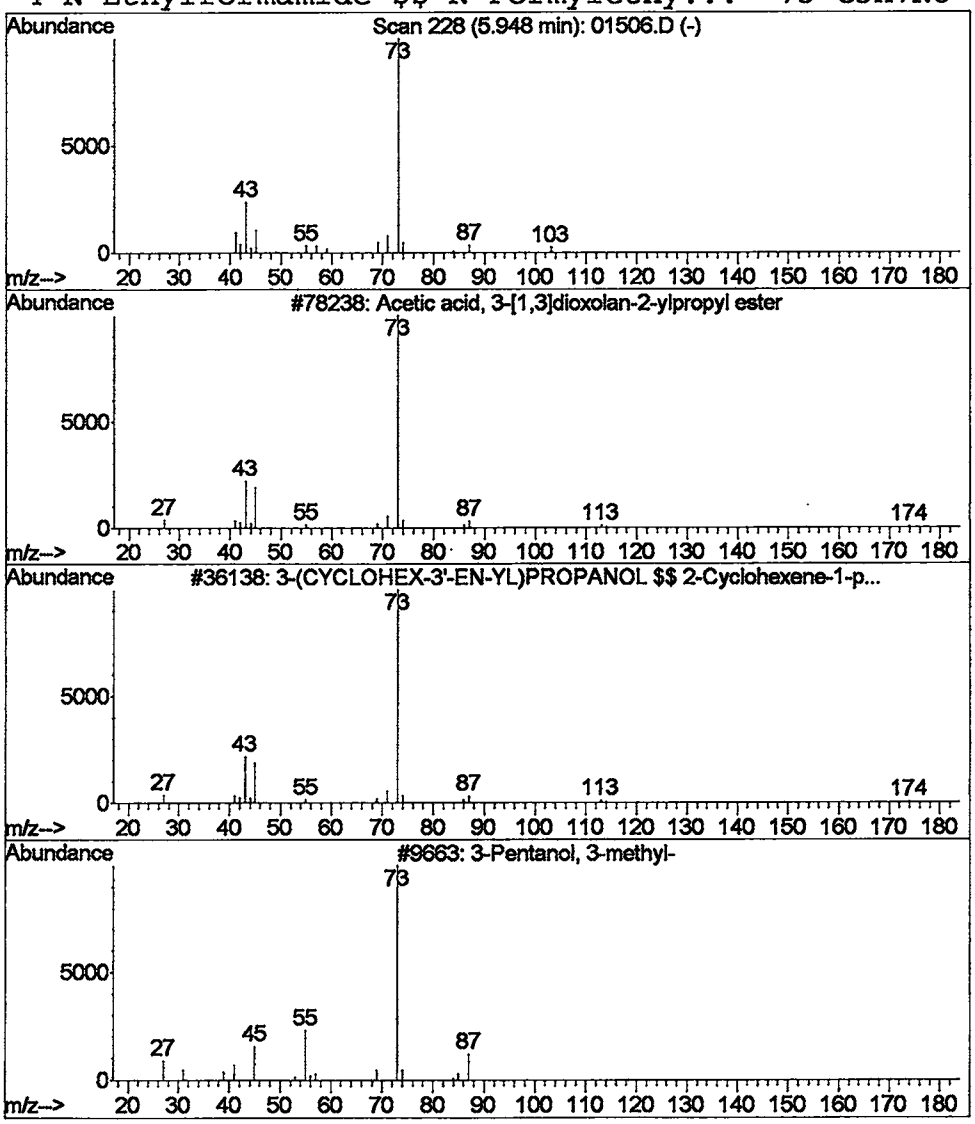
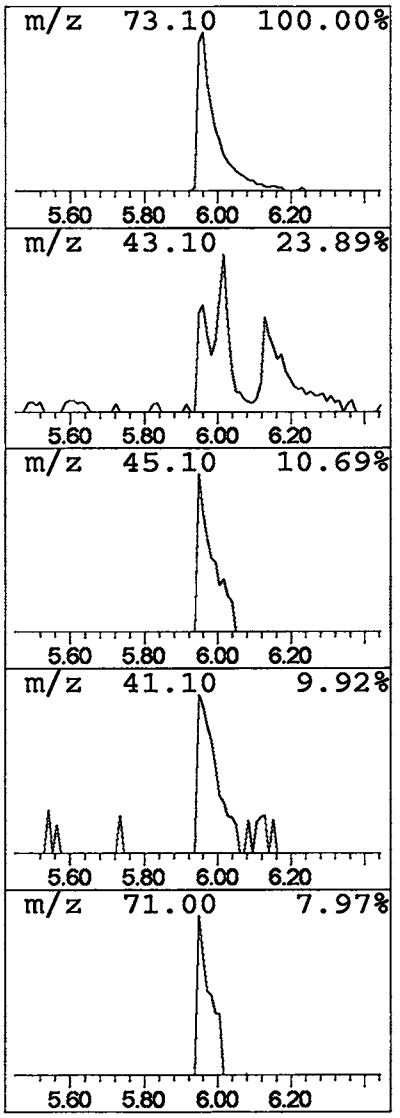
Peak Number 3 Acetic acid, 3-[1,3]dioxola... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	0.44 ug/L	185010	1,4-Dichlorobenzene-d4	9.72

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 $$...	174	C8H14O4	015745-87-6	33
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	28
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





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Acq On : 21 Feb 2002 12:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

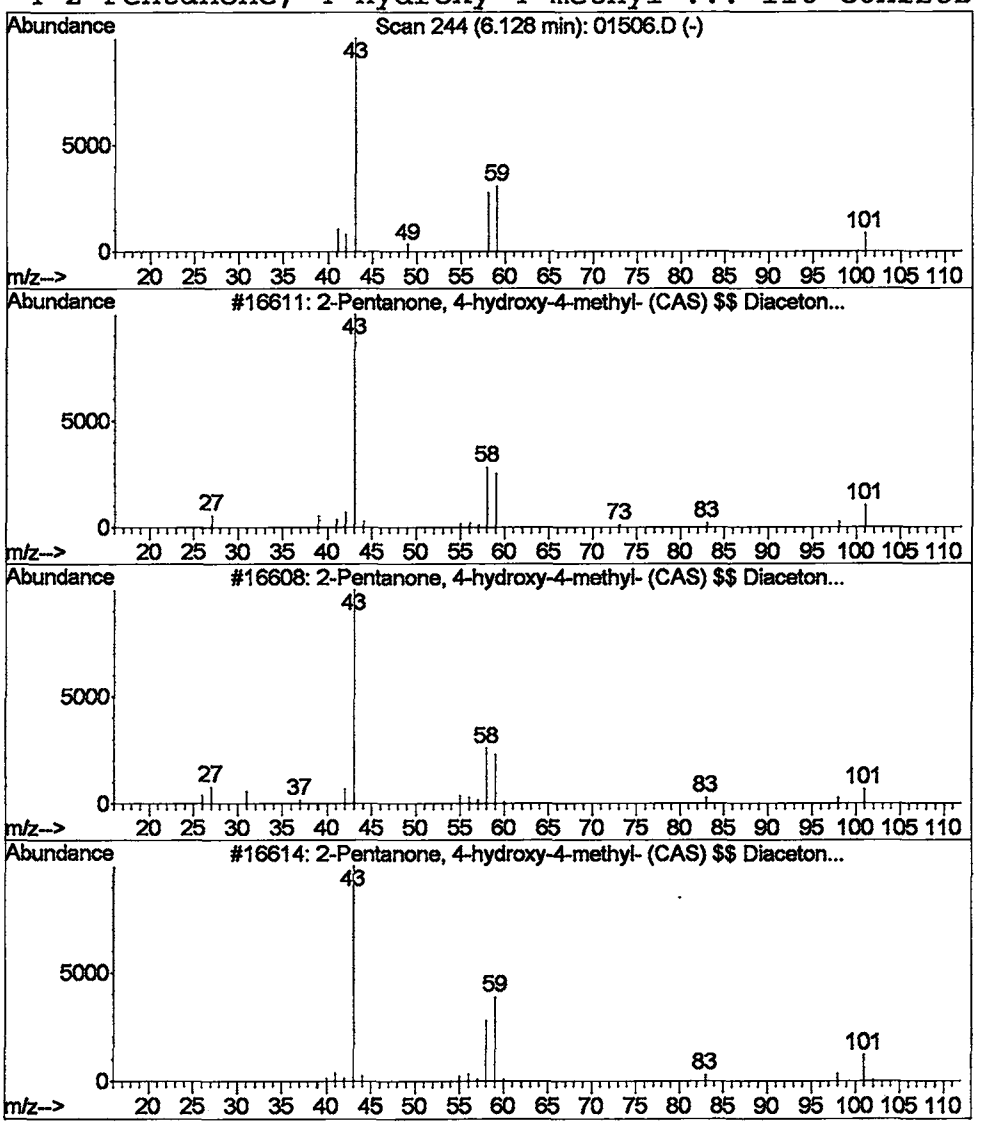
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

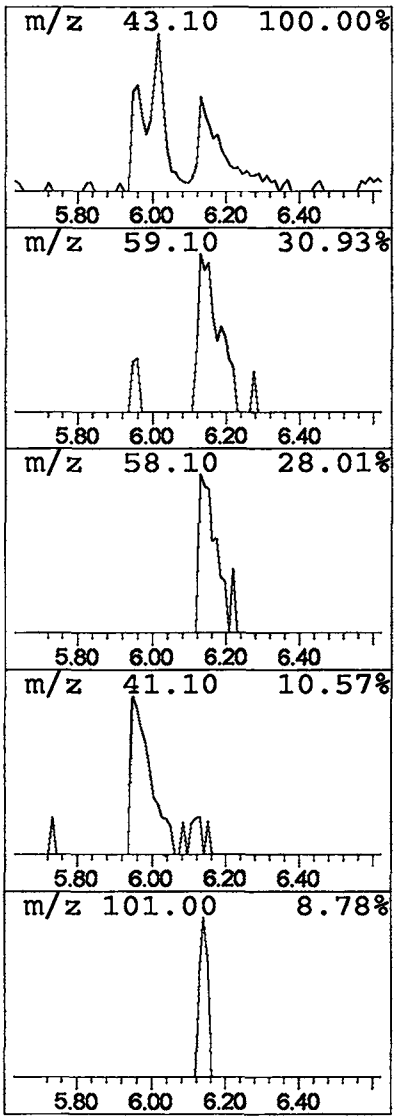
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.13	0.16 ug/L	66692	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	43
2	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	9
3	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	9
4	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	9





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Acq On : 21 Feb 2002 12:31 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 21, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

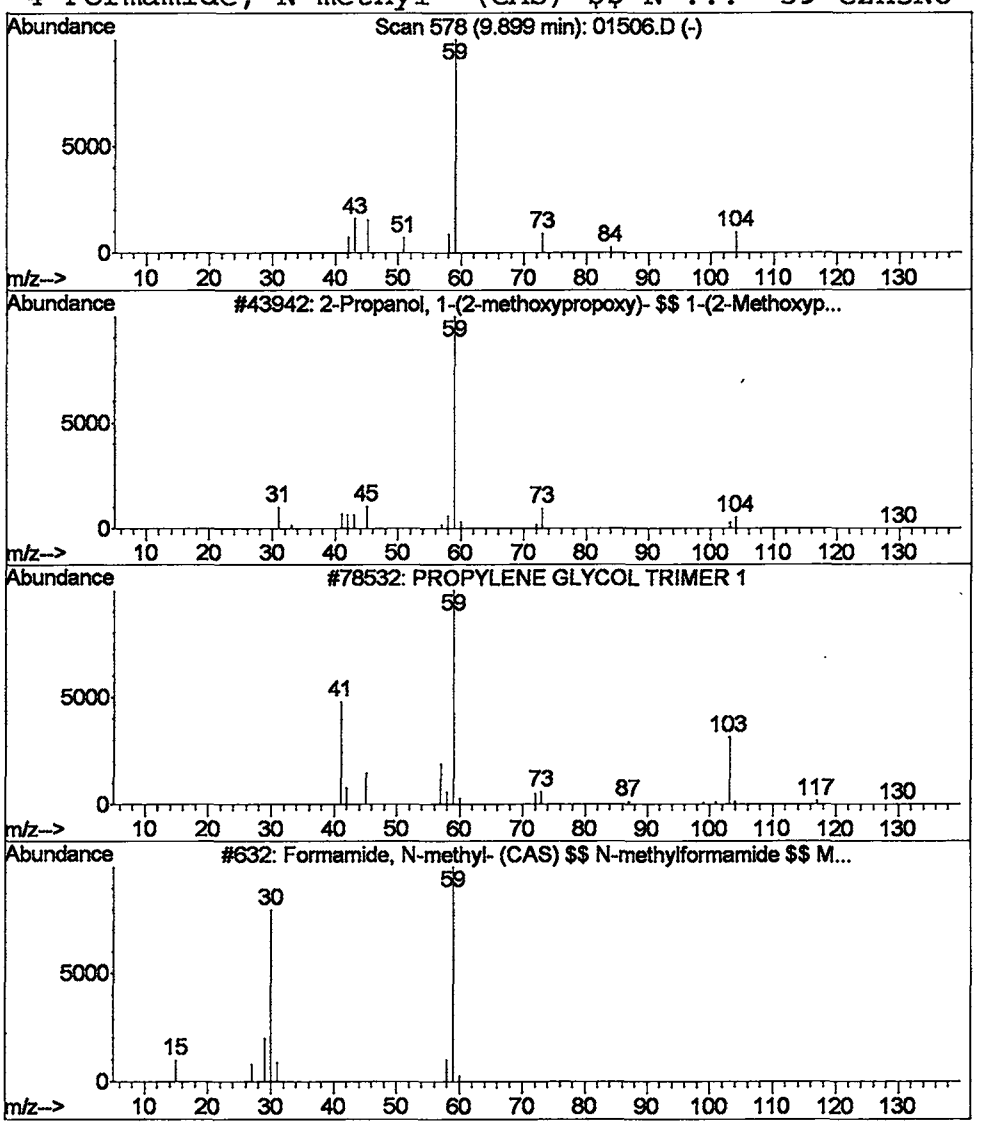
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

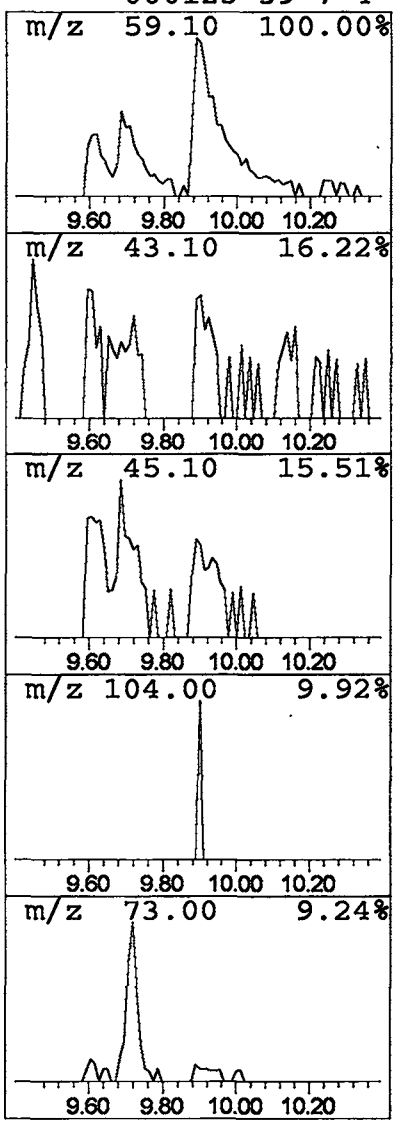
****

Peak Number 5 2-Propanol, 1-(2-methoxypro... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	0.14 ug/L	61543	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	9
2	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	9
3	Formamide, N-methyl- (CAS) $$ N-...	59	C2H5NO	000123-39-7	4
4	Formamide, N-methyl- (CAS) $$ N-...	59	C2H5NO	000123-39-7	4





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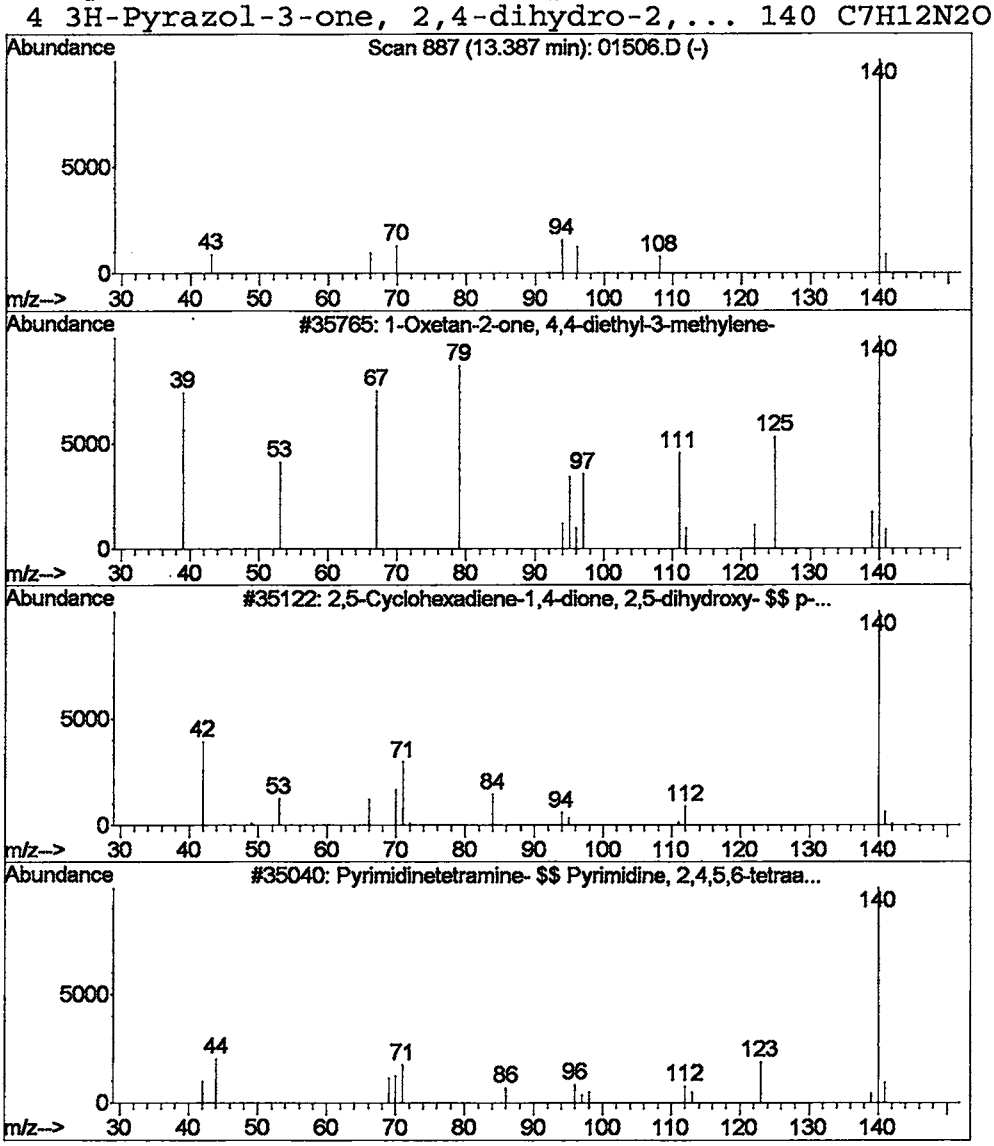
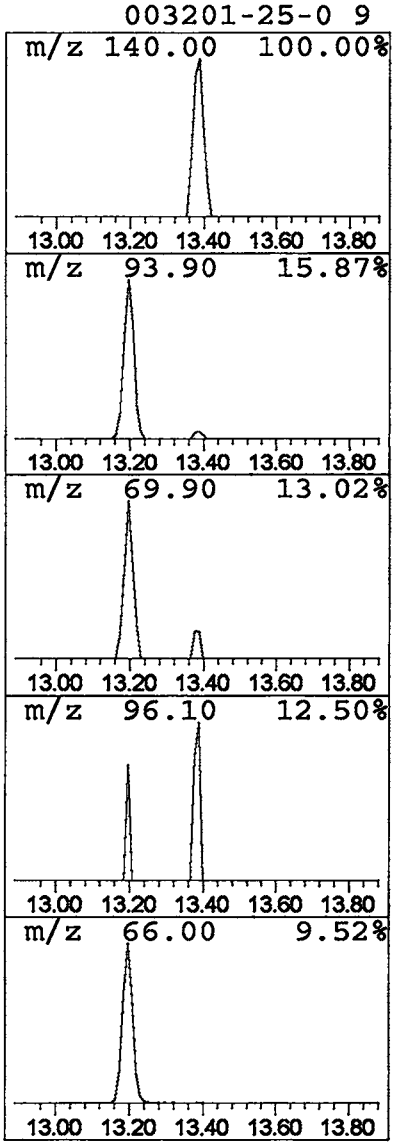
****

Peak Number 6 1-Oxetan-2-one, 4,4-diethyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	0.08 ug/L	48900	Naphthalene-d8	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Oxetan-2-one, 4,4-diethyl-3-me...	140	C8H12O2	000000-00-0	64
2	2,5-Cyclohexadiene-1,4-dione, 2,...	140	C6H4O4	000615-94-1	56
3	Pyrimidinetetramine- $$ Pyrimidi...	140	C4H8N6	001004-74-6	50
4	3H-Pyrazol-3-one, 2,4-dihydro-2,...	140	C7H12N2O	003201-25-0	9





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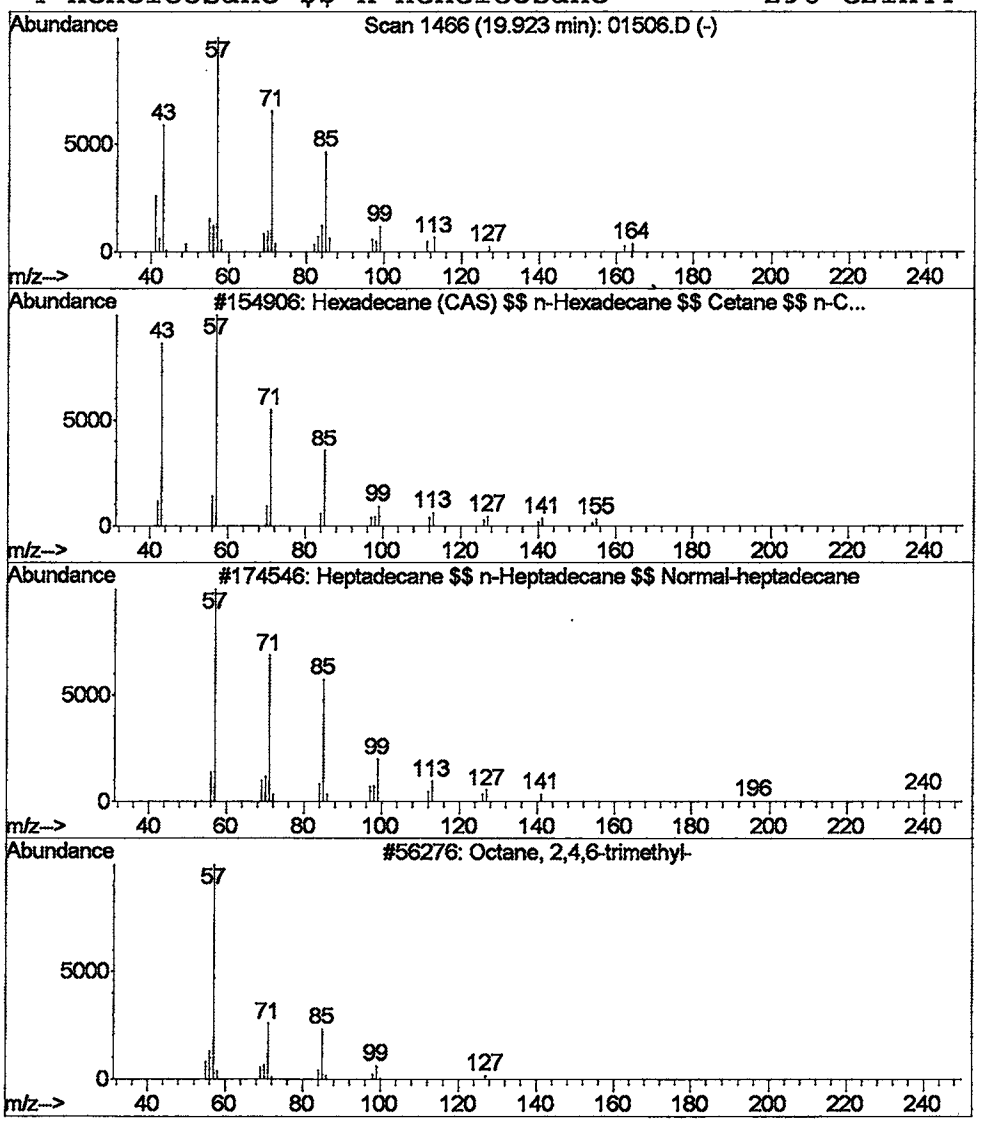
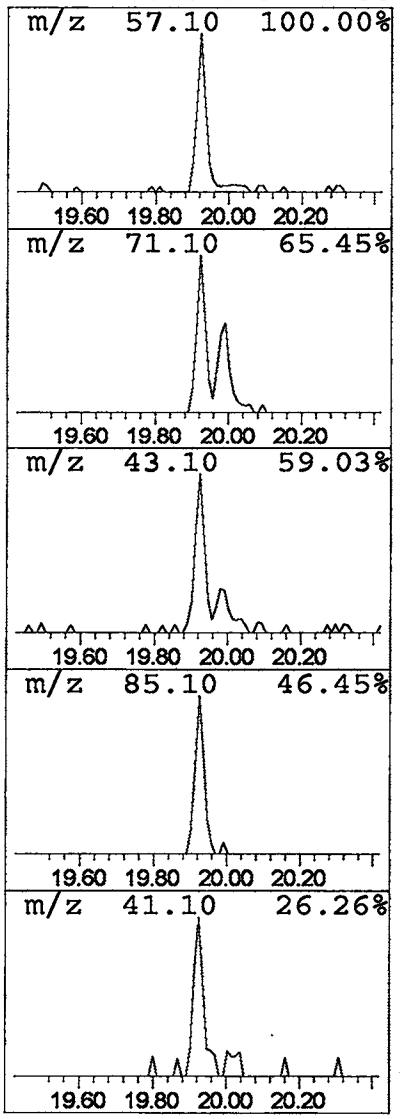
****

Peak Number 7 Hexadecane (CAS) $$ n-Hexad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	0.20 ug/L	134936	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane (CAS) $$ n-Hexadecane...	226	C16H34	000544-76-3	86
2	Heptadecane $$ n-Heptadecane $$ ...	240	C17H36	000629-78-7	86
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80
4	Heneicosane $$ n-Heneicosane	296	C21H44	000629-94-7	80





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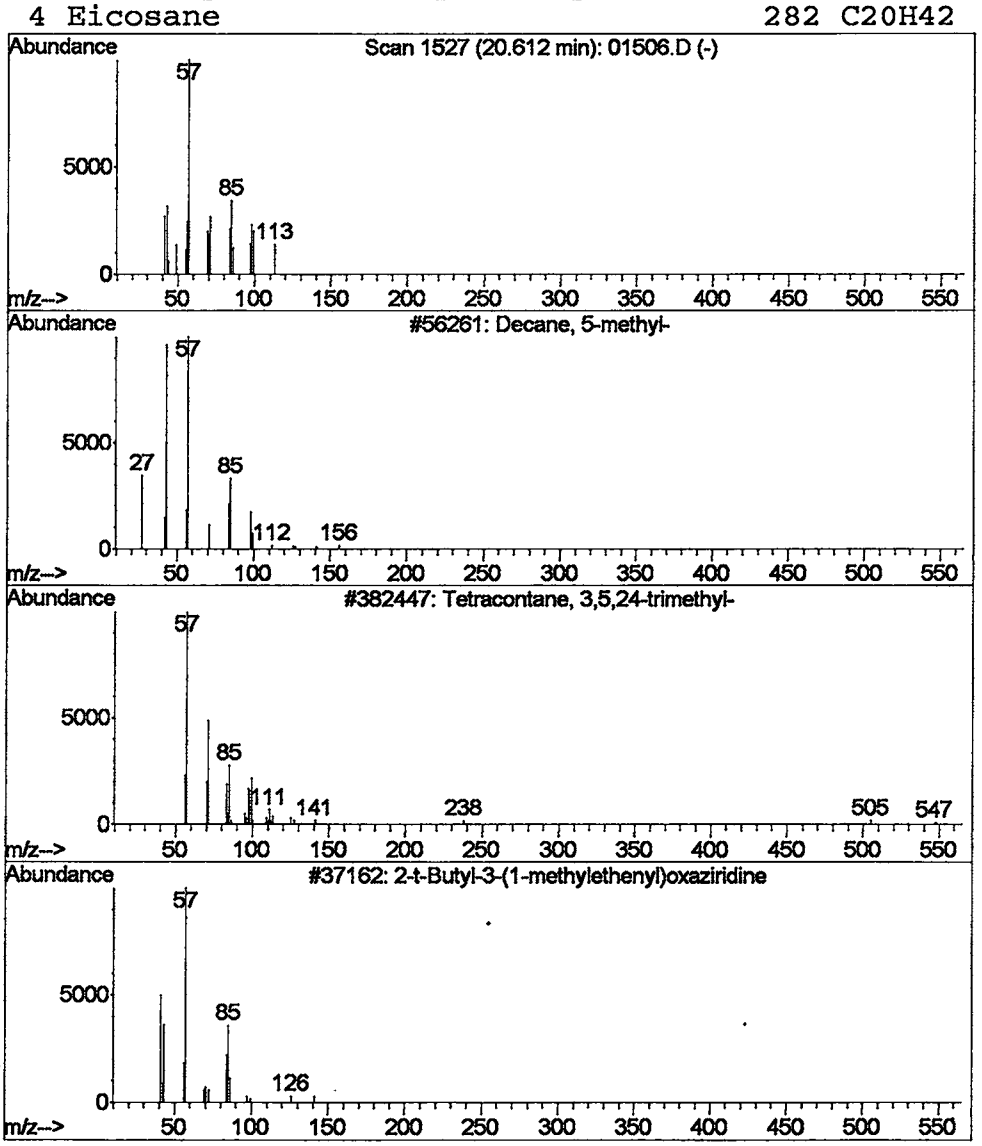
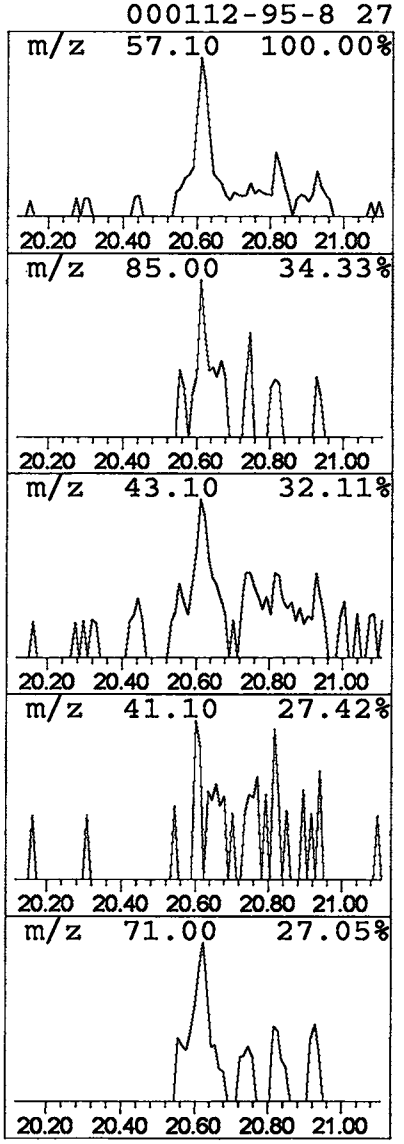
Peak Number 8 Decane, 5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.61	0.07 ug/L	47922	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	38
2	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	37
3	2-t-Butyl-3-(1-methylethenyl)oxa...	141	C8H15NO	000000-00-0	35
4	Eicosane	282	C20H42	000112-95-8	27





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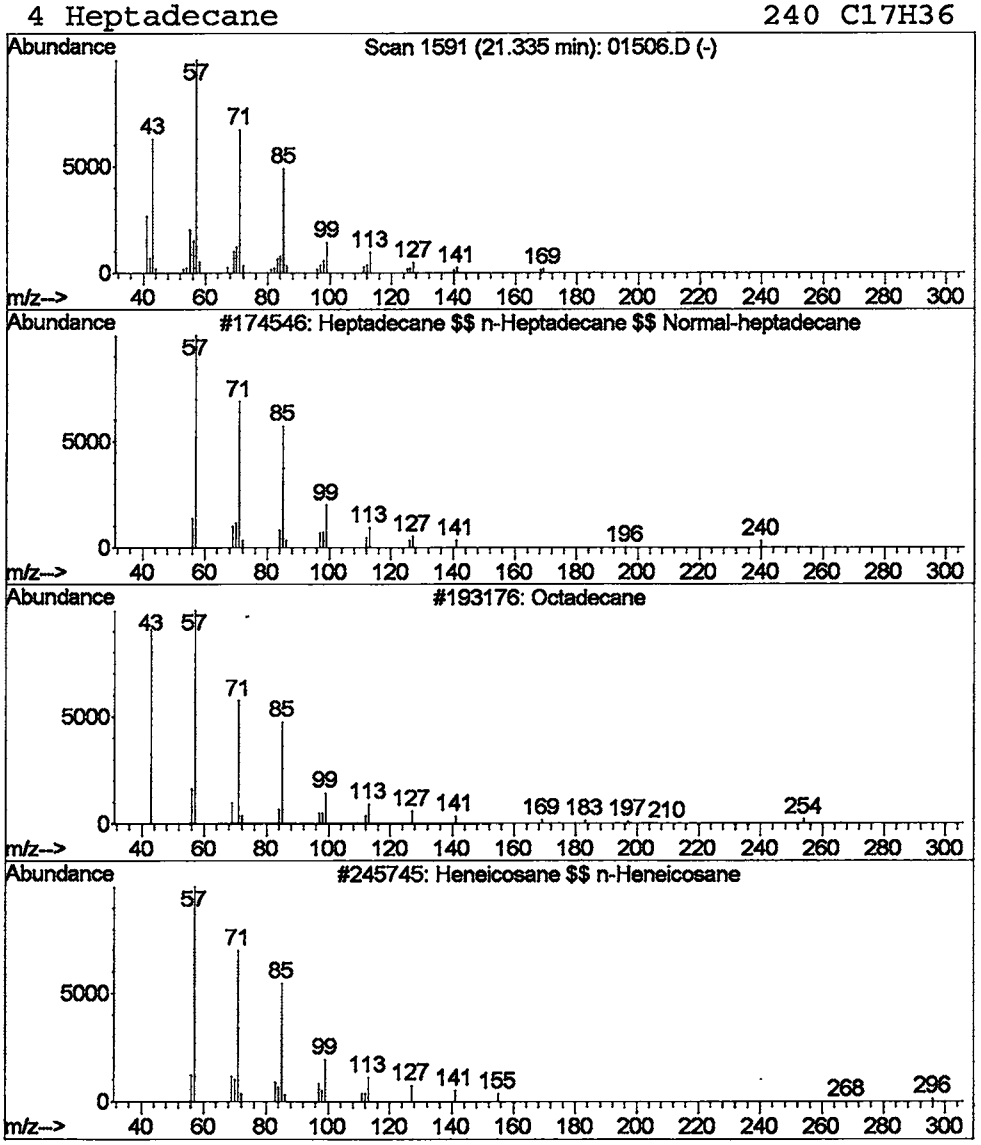
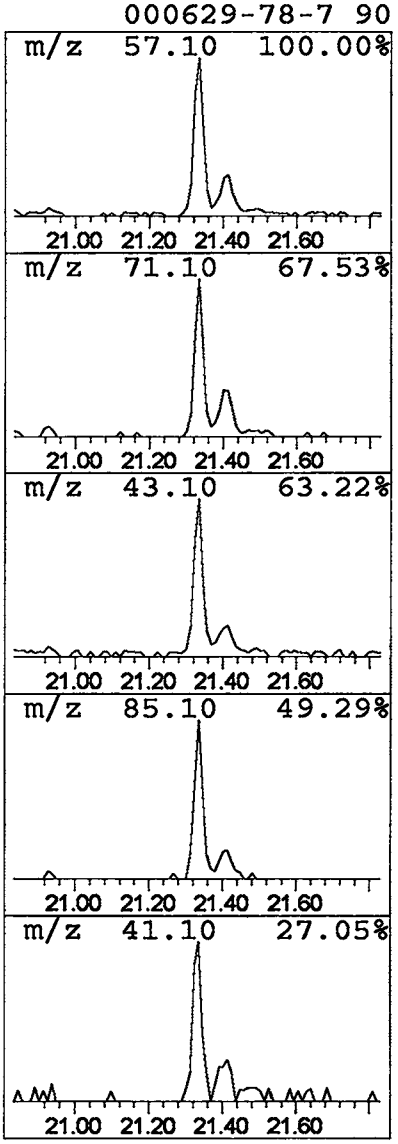
Peak Number 9 Heptadecane $$ n-Heptadecan... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	0.36 ug/L	265894	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane $$ n-Heptadecane $$ ...	240	C17H36	000629-78-7	91
2	Octadecane	254	C18H38	000593-45-3	91
3	Heneicosane $$ n-Heneicosane	296	C21H44	000629-94-7	90
4	Heptadecane	240	C17H36	000629-78-7	90





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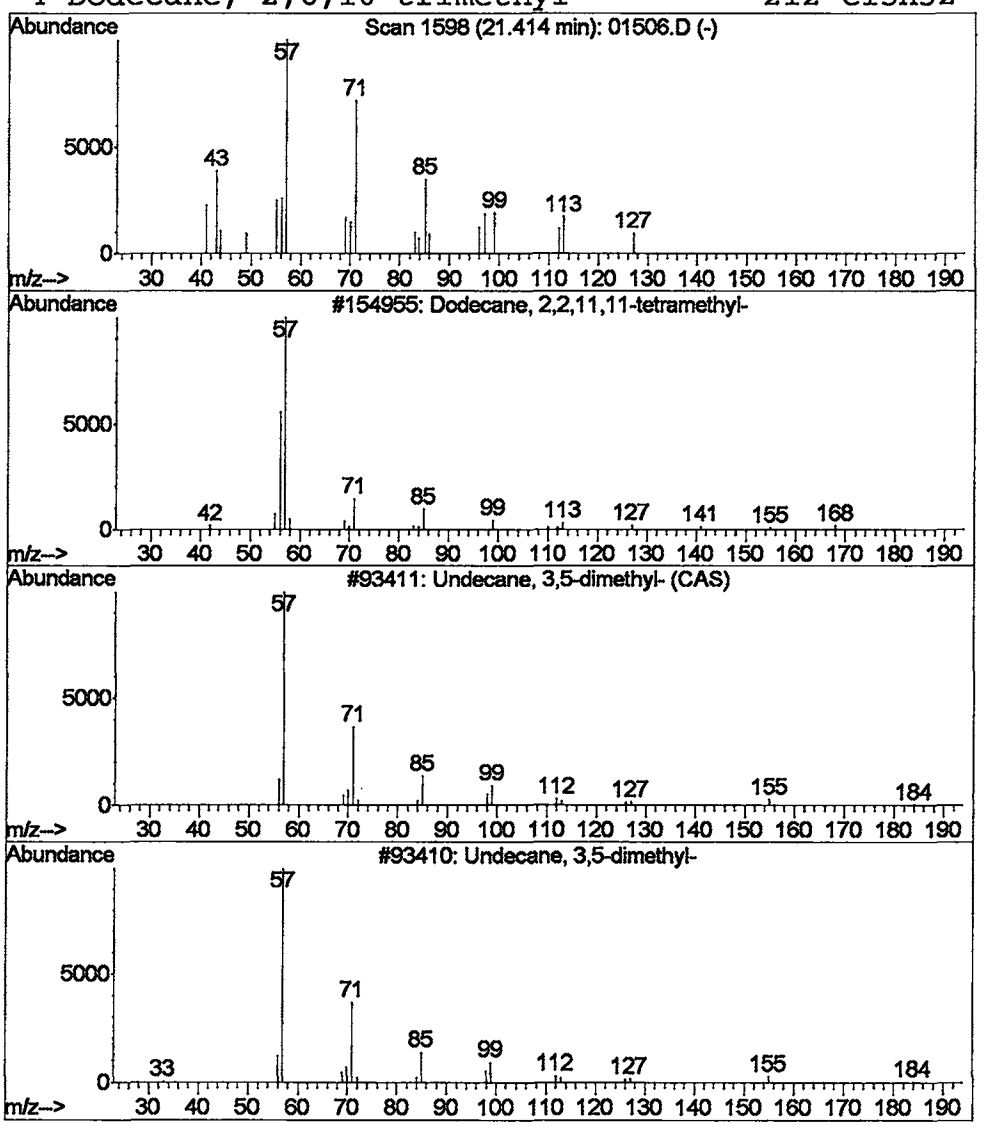
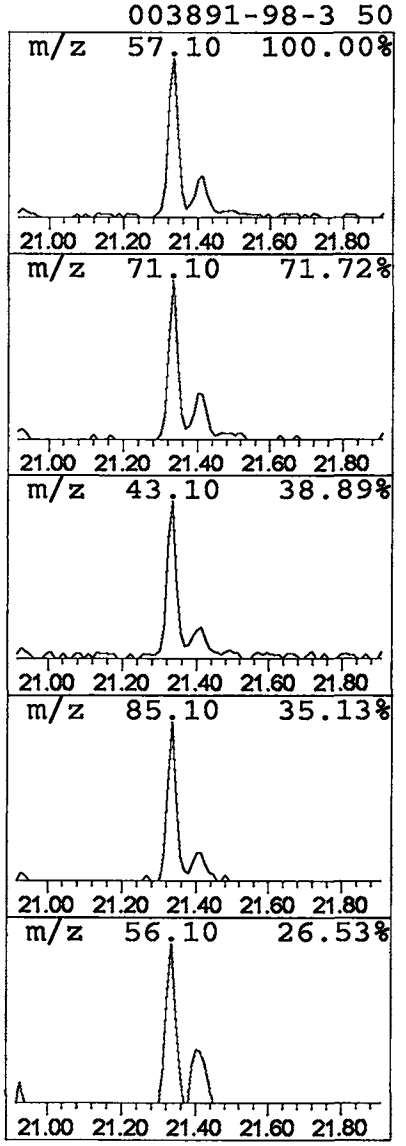
Peak Number 10 Dodecane, 2,2,11,11-tetrame... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	0.09 ug/L	66770	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	53
2	Undecane, 3,5-dimethyl- (CAS)	184	C13H28	017312-81-1	50
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	50
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01506.D Vial: 3
Acq On : 21 Feb 2002 12:31 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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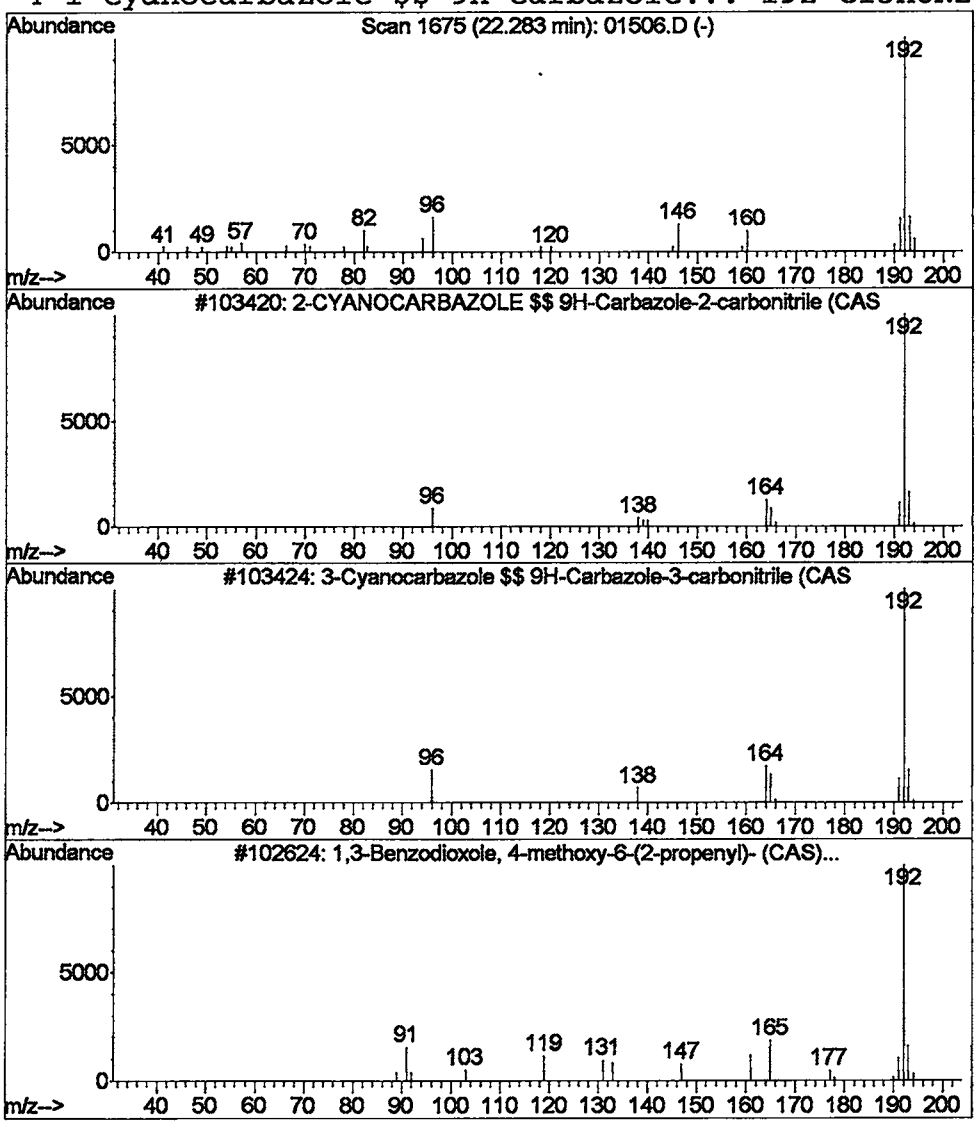
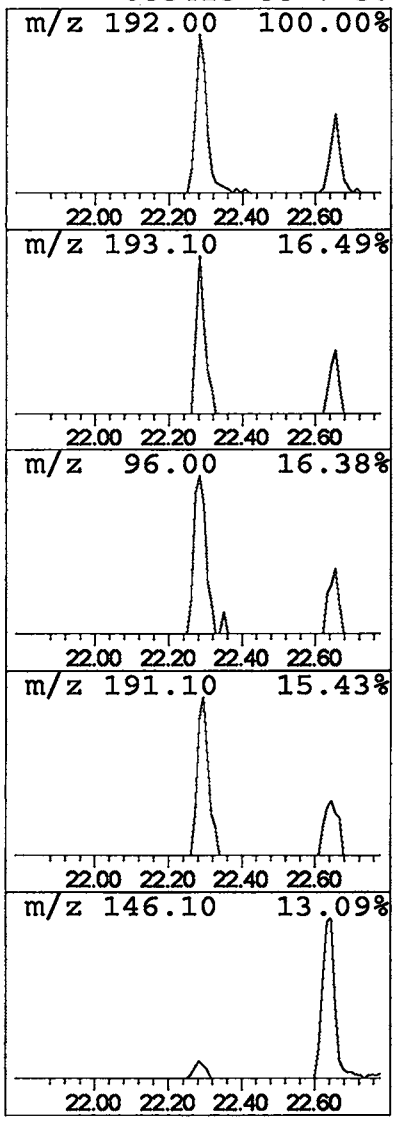
Peak Number 11 2-CYANOCARBAZOLE $$ 9H-Carb... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	108829	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	72
2	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	72
3	1,3-Benzodioxole, 4-methoxy-6-(2...	192	C11H12O3	000607-91-0	53
4	1-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	083415-88-7	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01506.D Vial: 3
Acq On : 21 Feb 2002 12:31 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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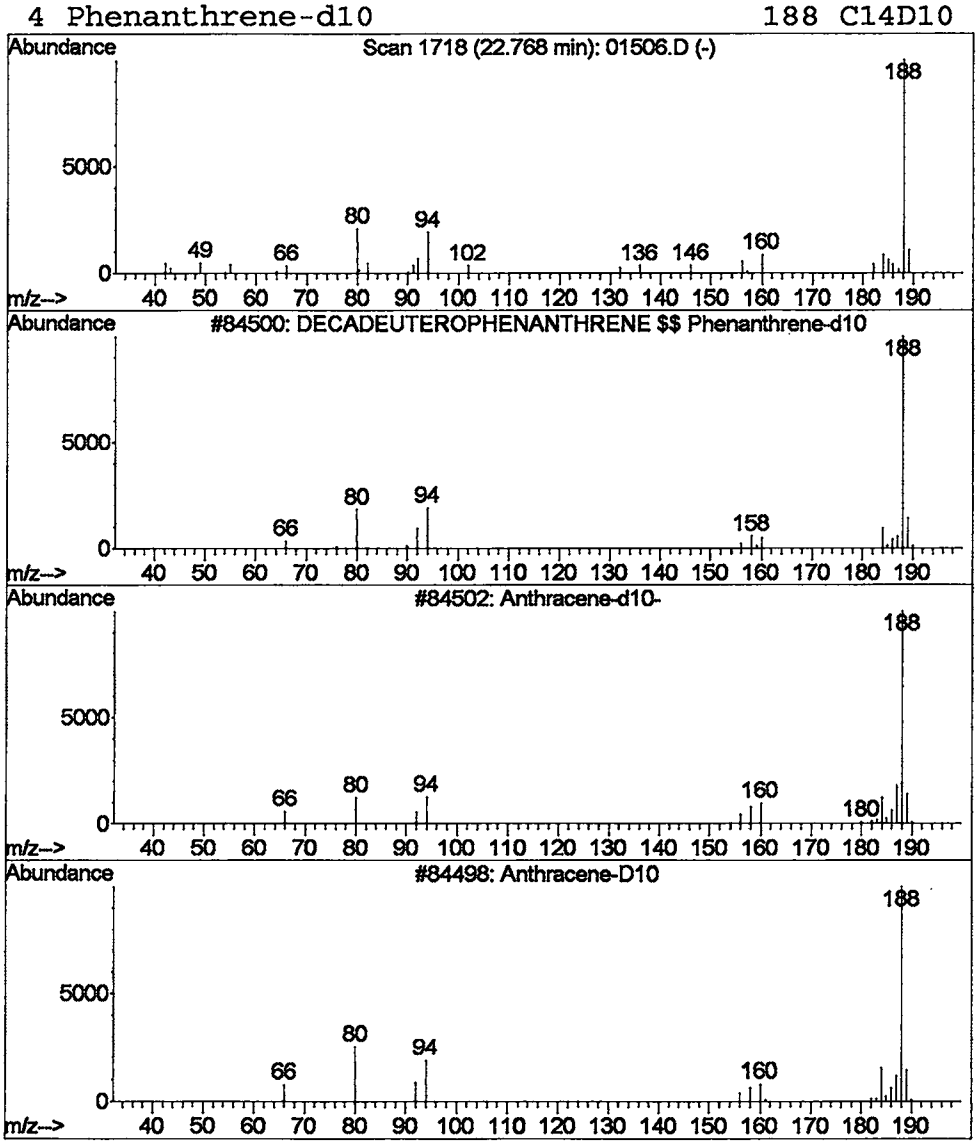
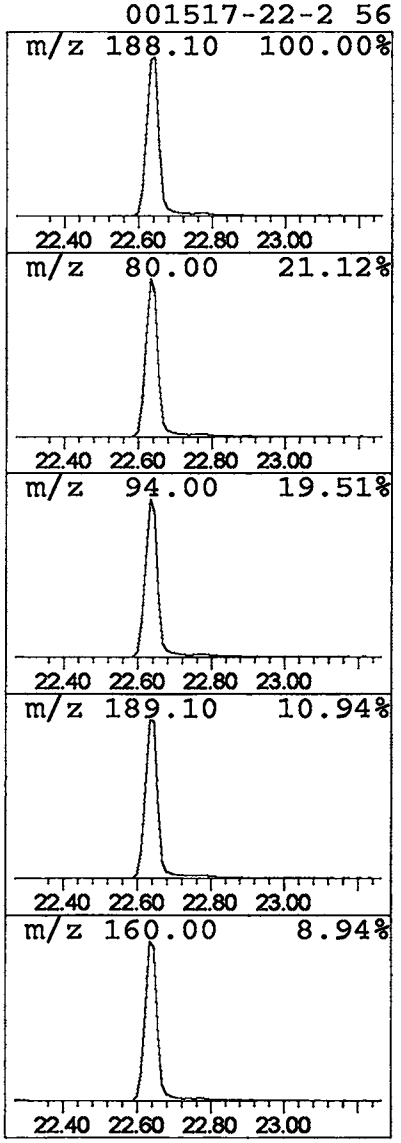
Peak Number 12 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.94 ug/L	689309	Phenanthrene-d10	22.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	80
2	Anthracene-d10-	188	C14D10	001719-06-8	64
3	Anthracene-D10	188	C14D10	000000-00-0	56
4	Phenanthrene-d10	188	C14D10	001517-22-2	56





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB21\01506.D Vial: 3
Acq On : 21 Feb 2002 12:31 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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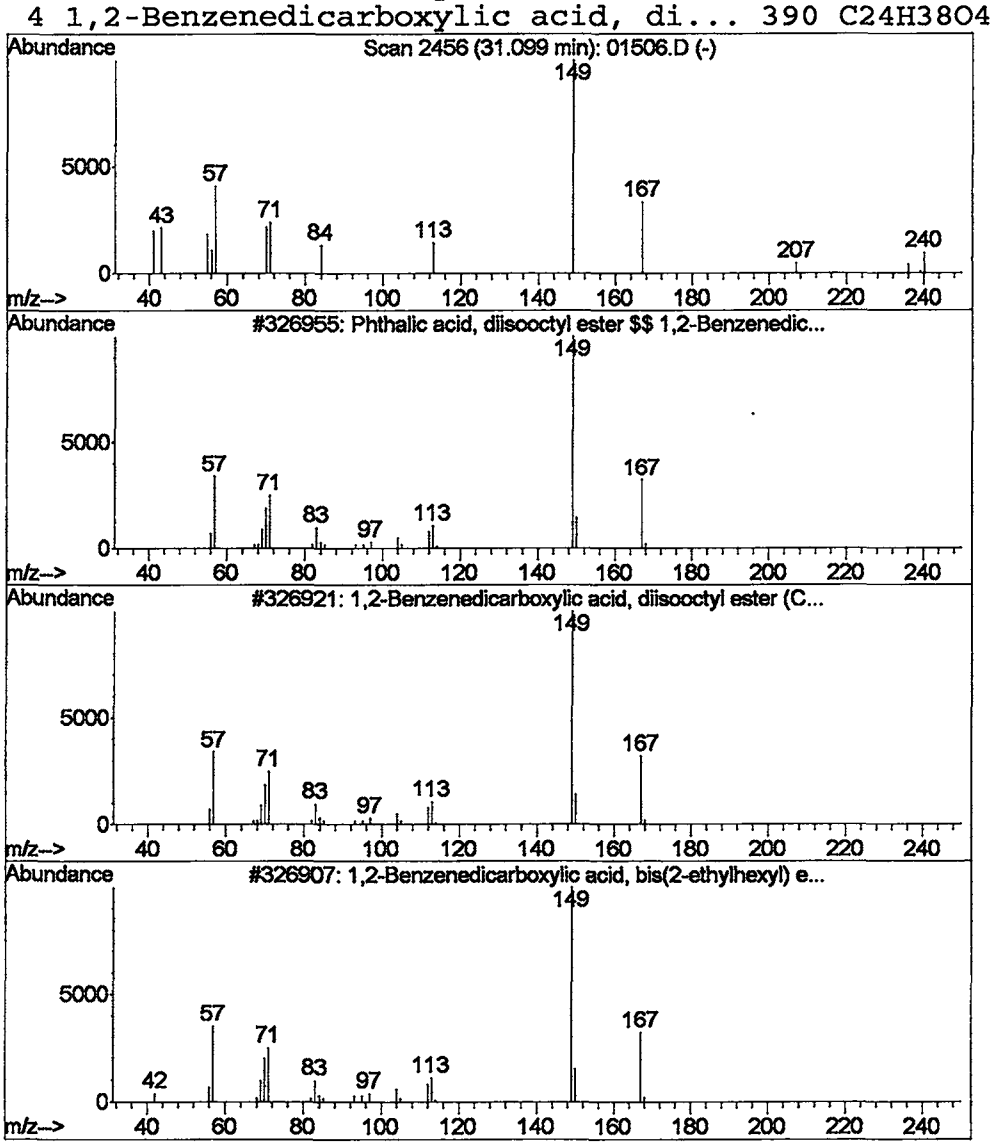
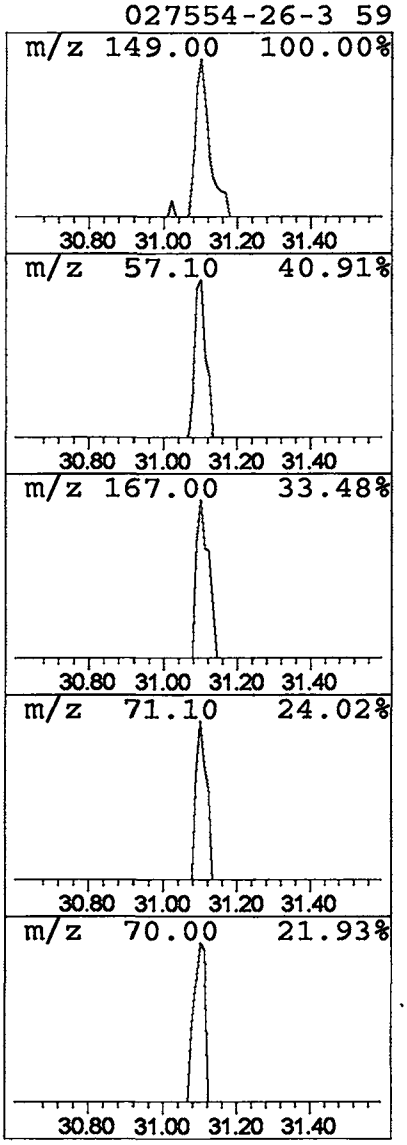
Peak Number 13 Phthalic acid, diisooctyl e... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.10	0.07 ug/L	45806	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, diisooctyl ester ...	390	C24H38O4	001330-91-2	72
2	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	72
3	1,2-Benzenedicarboxylic acid, bi...	390	C24H38O4	000117-81-7	72
4	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	59





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 21 Feb 2002 12:31 pm
Data File: C:\MSDCHEM\1\5973N\02FEB21\01506.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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Acetonitrile, dic...	3.50	0.1	ug/L	49292	1	9.72	8497000	20.0
Butanoic acid, me...	3.63	0.2	ug/L	75106	1	9.72	8497000	20.0
Acetic acid, 3-[1...	5.95	0.4	ug/L	185010	1	9.72	8497000	20.0
2-Pentanone, 4-hy...	6.13	0.2	ug/L	66692	1	9.72	8497000	20.0
2-Propanol, 1-(2-...	9.90	0.1	ug/L	61543	1	9.72	8497000	20.0
1-Oxetan-2-one, 4...	13.39	0.1	ug/L	48900	2	13.20	12615200	20.0
Hexadecane (CAS) ...	19.92	0.2	ug/L	134936	3	18.34	13683600	20.0
Decane, 5-methyl-	20.61	0.1	ug/L	47922	4	22.64	14711700	20.0
Heptadecane $$ n-...	21.33	0.4	ug/L	265894	4	22.64	14711700	20.0
Dodecane, 2,2,11,...	21.41	0.1	ug/L	66770	4	22.64	14711700	20.0
2-CYANOCARBAZOLE ...	22.28	0.1	ug/L	108829	4	22.64	14711700	20.0
DECADEUTEROPHENAN...	22.77	0.9	ug/L	689309	4	22.64	14711700	20.0
Phthalic acid, di...	31.10	0.1	ug/L	45806	5	30.49	12877200	20.0