User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/28/2002 Time: 17:12:20

Sample: AE03616
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/28/02 17:12 Ended: 3/28/02 17:12 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		97		5.0

Comments for Sample AE03616 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-28-2002 Time: 17:12:27

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 6 of the 43 compounds in the LCS Standard were high.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Mar 15 10:05:20 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 : HP022102

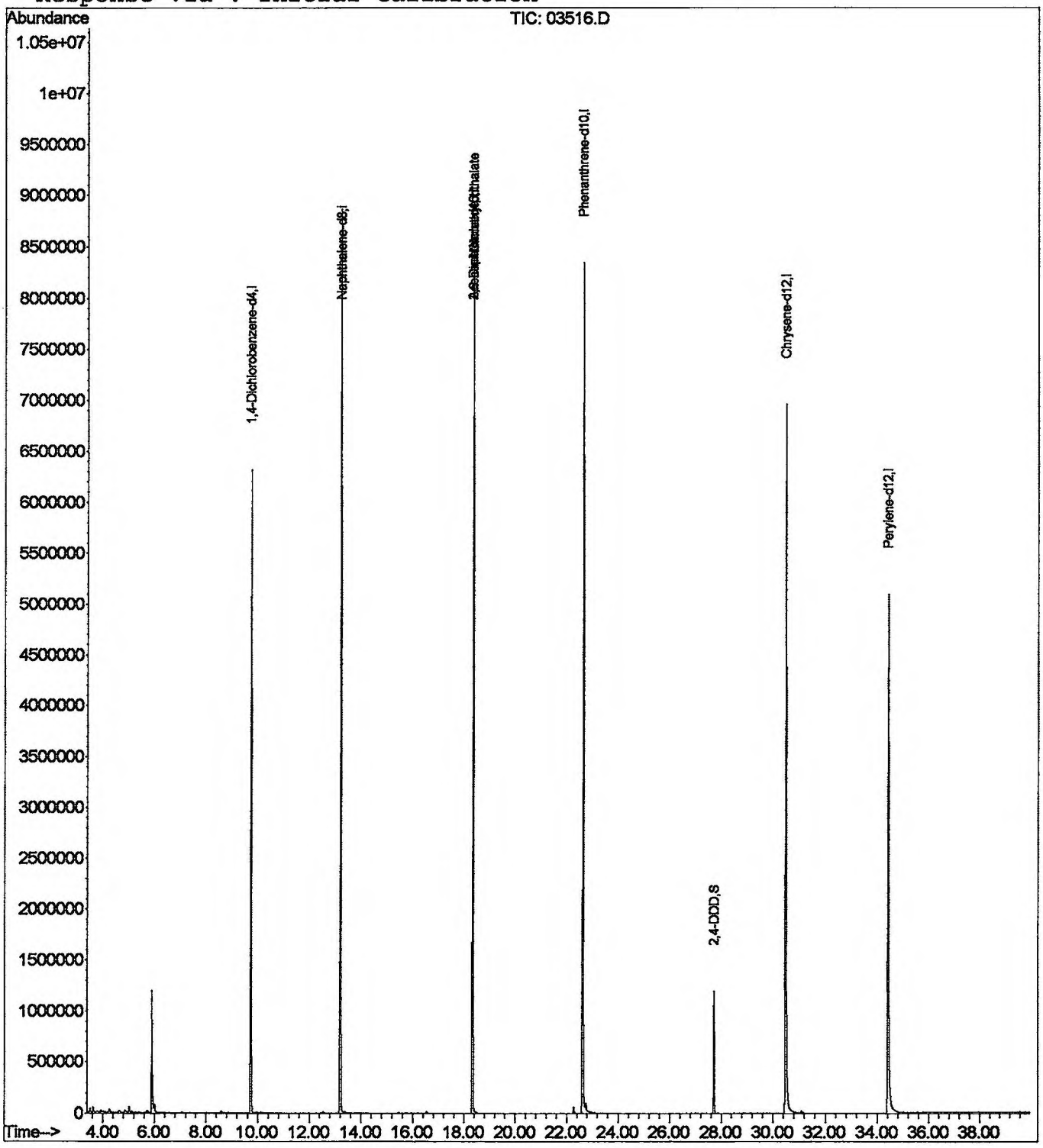
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	2160885	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	9183648	20.00	ug/L	0.00
17) Acenaphthene-d10	18.33	164	4552953	20.00	ug/L	0.00
29) Phenanthrene-d10	22.63	188	7369463	20.00	ug/L	-0.01
38) Chrysene-d12	30.49	240	5966068	20.00	ug/L	-0.03
44) Perylene-d12	34.41	264	4032108	20.00	ug/L	-0.04
System Monitoring Compounds						
37) 2,4-DDD	27.72	235	474811	4.83	ug/L	0.00
Spiked Amount 5.000			Recovery = 96.60%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	717438	2.60	ug/L #	58
21) 2,6-Dinitrotoluene	18.33	165	581525	9.12	ug/L #	27

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02MAR08\03616.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Mar 15 10:05 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\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 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

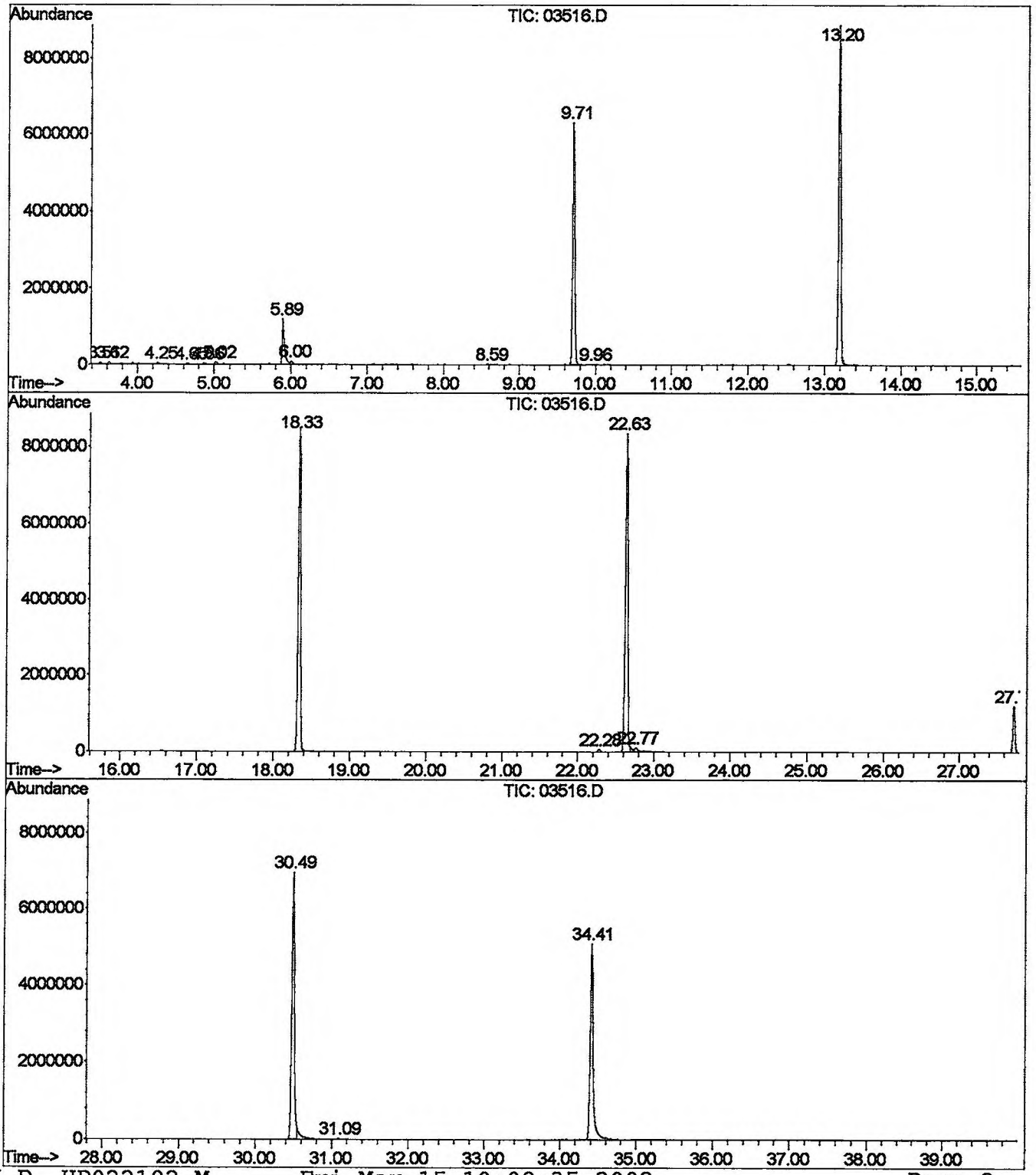
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.509	9	12	19	rBV	42697	66513	0.35%	0.064%
2	3.622	19	22	25	rBV	51744	77234	0.40%	0.074%
3	4.254	73	78	85	rVB3	30863	71436	0.37%	0.068%
4	4.650	107	113	121	rBV5	18069	70790	0.37%	0.068%
5	4.864	127	132	139	rBV3	25059	76969	0.40%	0.074%
6	5.022	143	146	153	rVV	60105	105771	0.55%	0.101%
7	5.891	219	223	231	rVV	1192793	2318375	12.05%	2.220%
8	6.004	231	233	245	rVB	82200	193863	1.01%	0.186%
9	8.589	457	462	469	rBV2	21758	52887	0.27%	0.051%
10	9.707	557	561	567	rBV	6314308	12400237	64.43%	11.876%
11	9.955	579	583	591	rVB3	12874	50054	0.26%	0.048%
12	13.195	865	870	875	rBV	8865036	17742586	92.19%	16.992%
13	18.332	1319	1325	1331	rBV	8474688	18658730	96.95%	17.869%
14	22.283	1671	1675	1681	rBV	61230	124190	0.65%	0.119%
15	22.633	1701	1706	1711	rBV2	8337338	19245610	100.00%	18.431%
16	22.768	1715	1718	1741	rVB	97890	385839	2.00%	0.370%
17	27.724	2151	2157	2161	rBV	1193272	2341048	12.16%	2.242%
18	30.490	2397	2402	2407	rBV2	6950366	16561972	86.06%	15.861%
19	31.088	2451	2455	2473	rVB2	22995	78809	0.41%	0.075%
20	34.407	2743	2749	2791	rBV	5088953	13794677	71.68%	13.211%

Sum of corrected areas: 104417590

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02MAR08\03516.D
Operator :
Acquired : 8 Mar 2002 7:42 pm using AcqMethod HP022102
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : March 8, 2002
Vial Number: 6
Quant File :HP022102.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

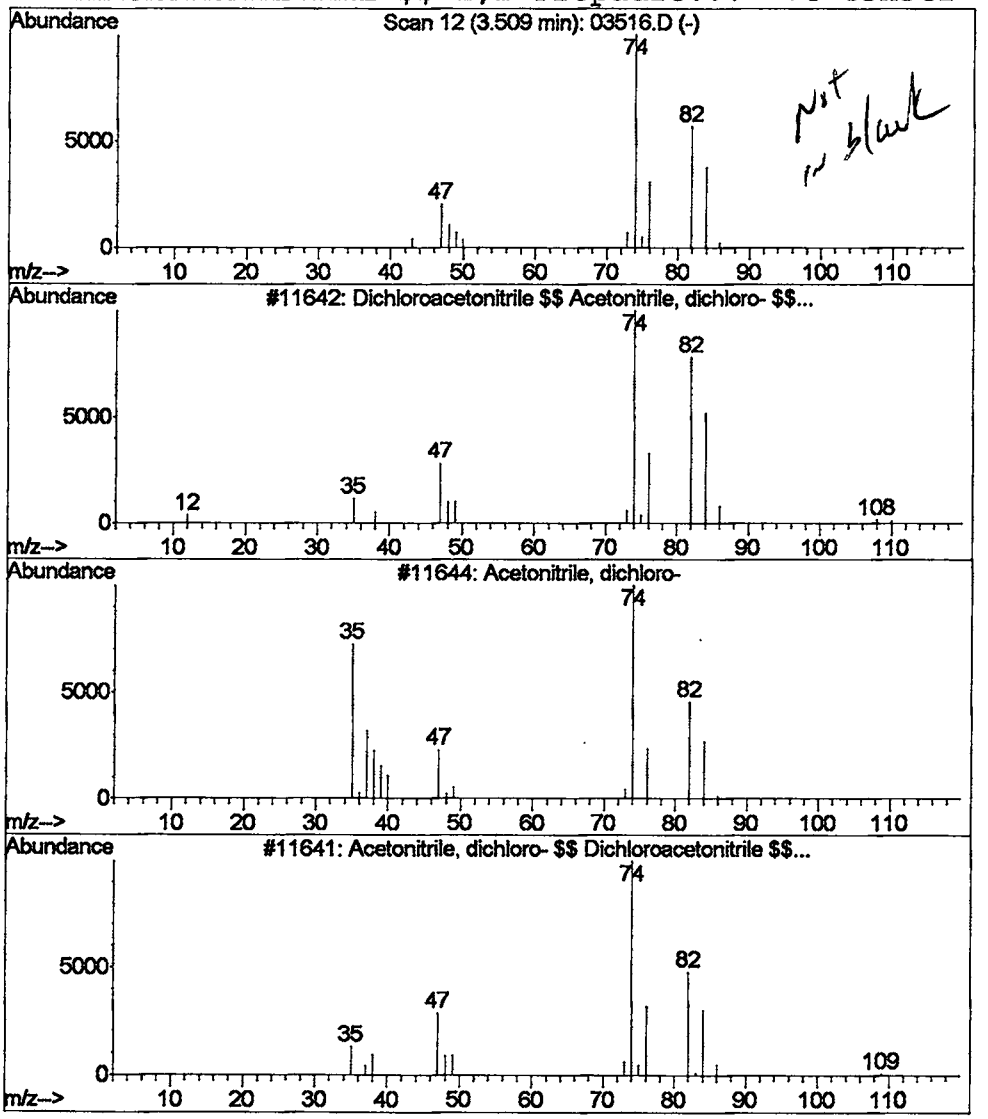
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

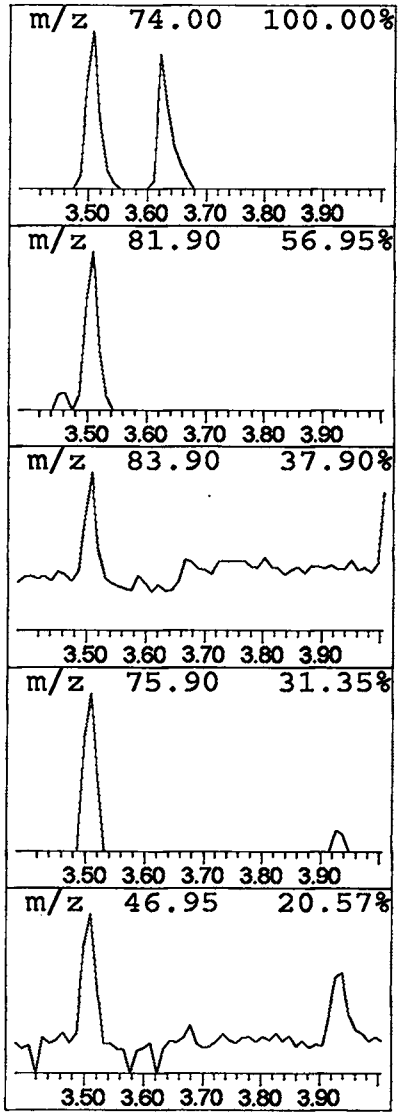
****

Peak Number 1 Dichloroacetonitrile $$ Ace... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.51	0.11 ug/L	66513	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	83
3	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	74
4	CHLOROPROPADIENE $$ 1,2-Propadie...	74	C3H3Cl	003223-70-9	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

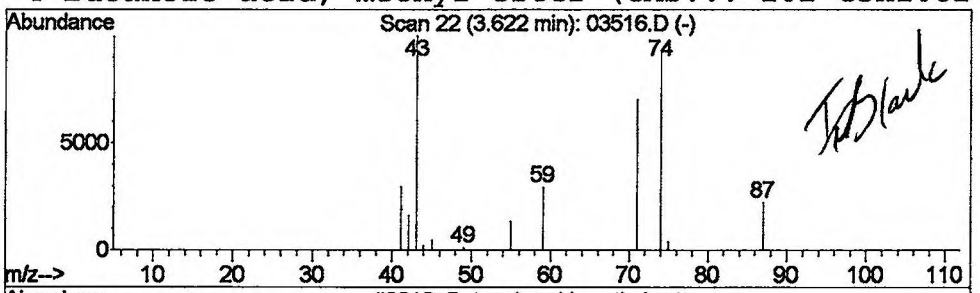
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

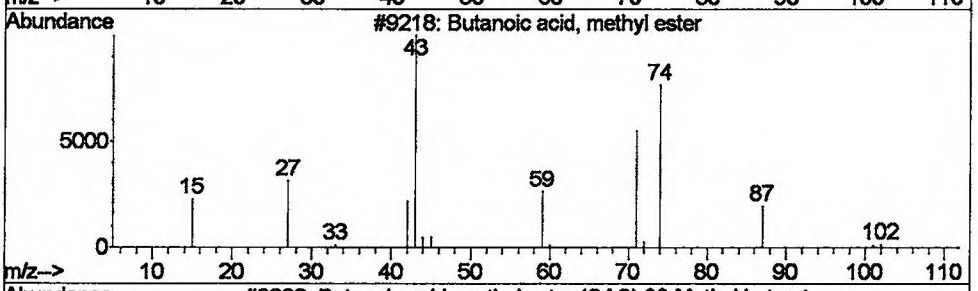
****

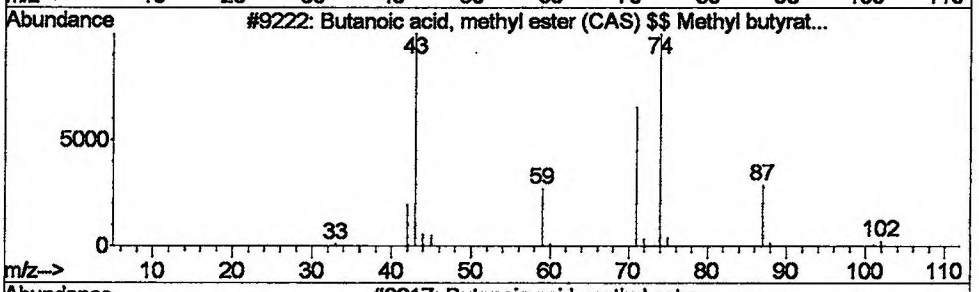
Peak Number 2 Butanoic acid, methyl ester Concentration Rank 6

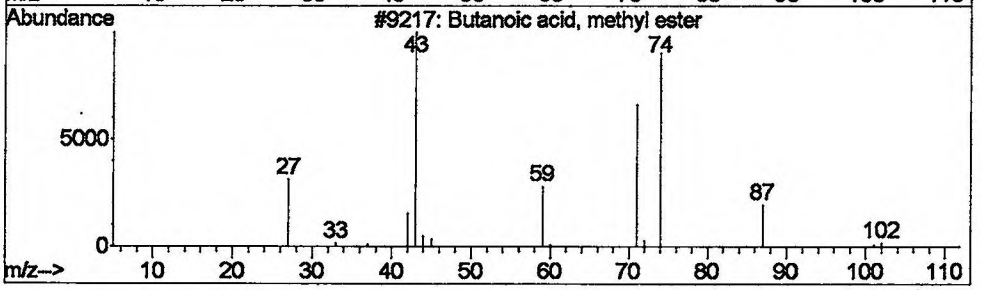
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.12 ug/L	77234	1,4-Dichlorobenzene-d4	9.71

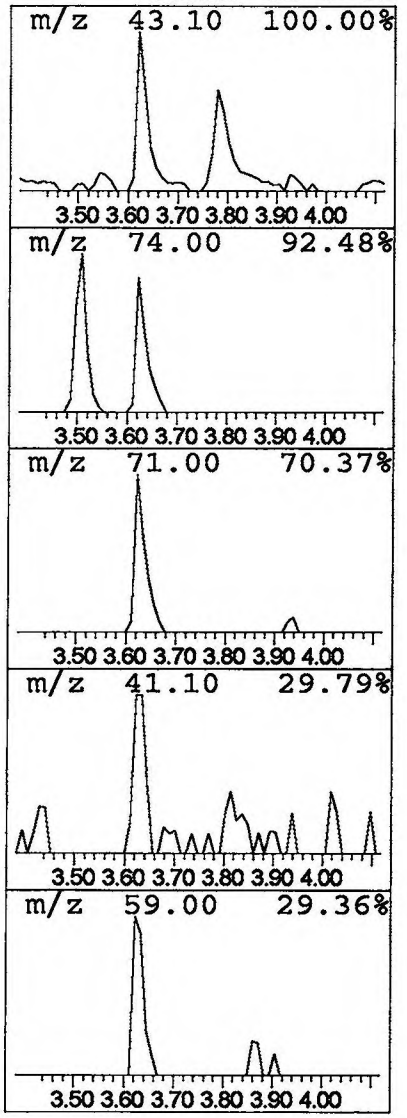
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03616.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

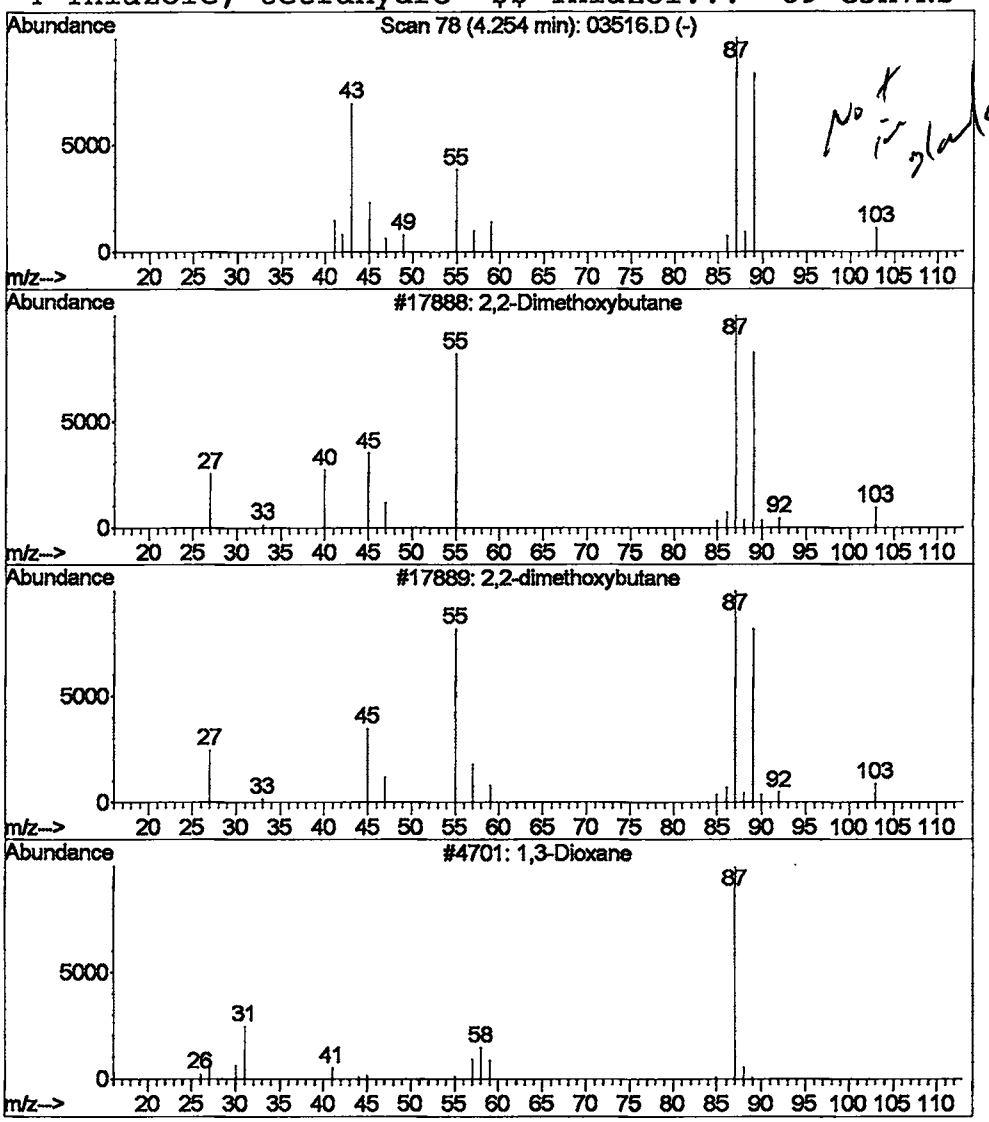
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

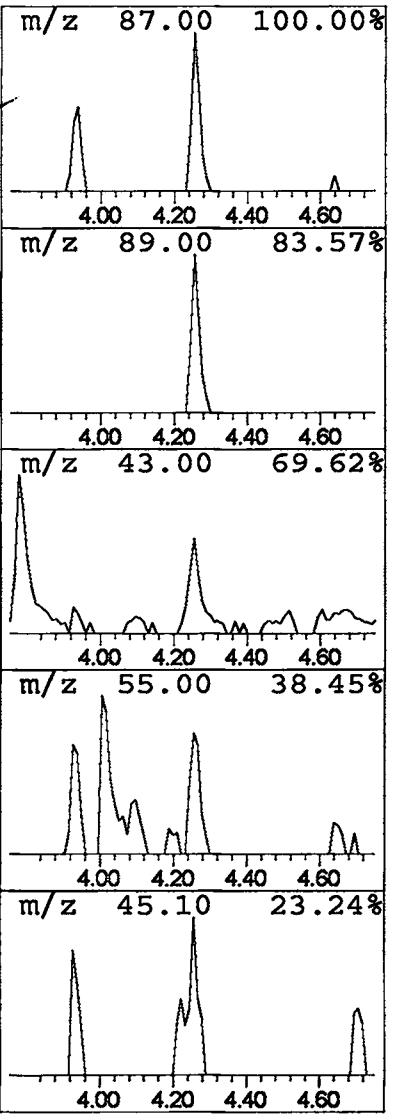
****

Peak Number 3 2,2-Dimethoxybutane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.12 ug/L	71436	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	78
2	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	74
3	1,3-Dioxane	88	C4H8O2	000505-22-6	9
4	Thiazole, tetrahydro- $$ Thiazol...	89	C3H7NS	000504-78-9	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

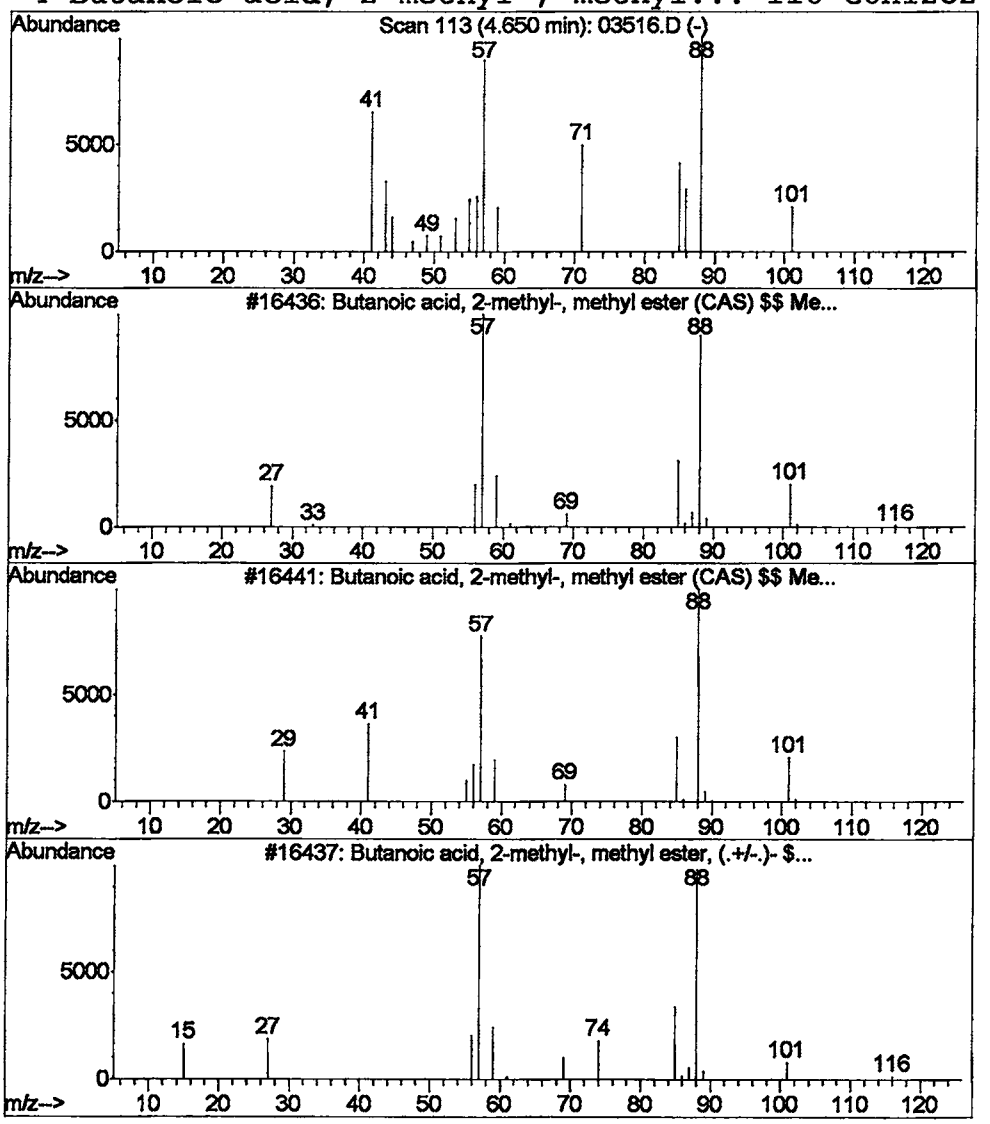
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

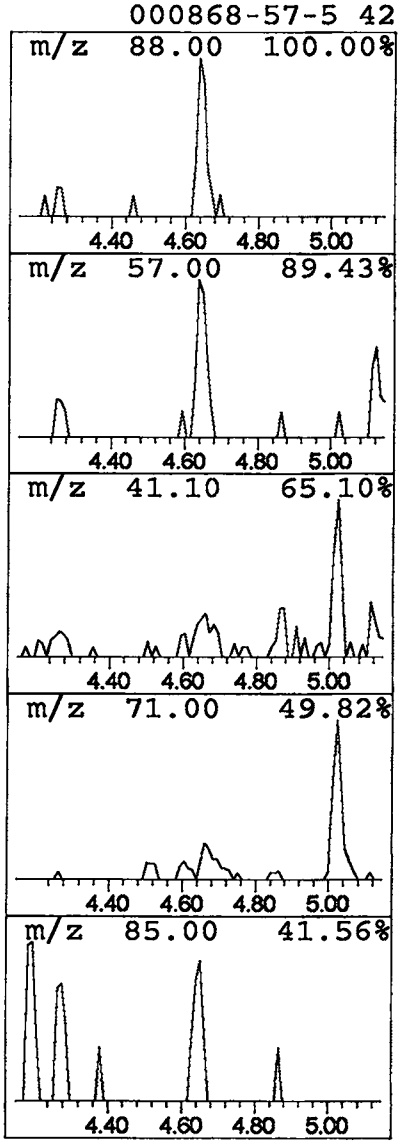
****

Peak Number 4 Butanoic acid, 2-methyl-, m... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	0.11 ug/L	70790	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	53
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	45
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	053955-81-0	42
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03616.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

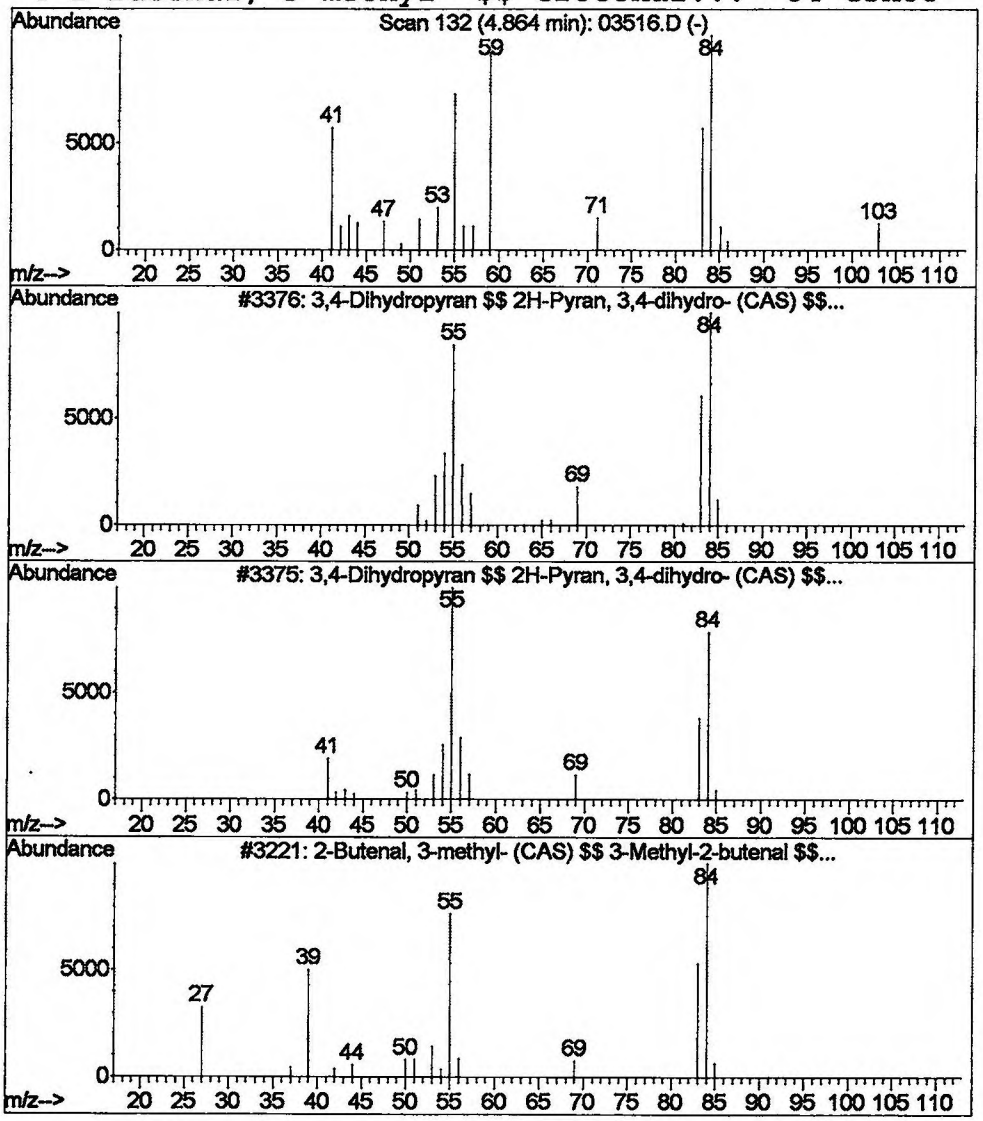
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

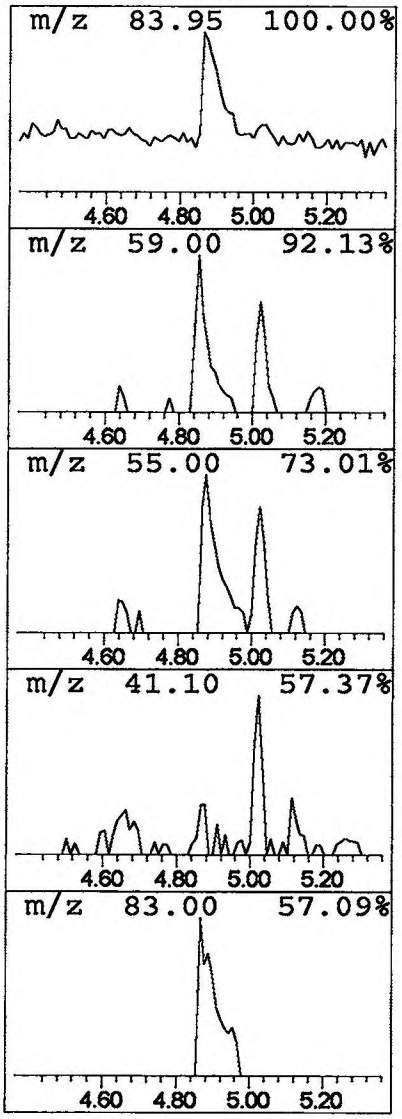
****

Peak Number 5 3,4-Dihydropyran $$ 2H-Pyra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	0.12 ug/L	76969	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydropyran $$ 2H-Pyran, 3,...	84	C5H8O	000110-87-2	49
2	3,4-Dihydropyran $$ 2H-Pyran, 3,...	84	C5H8O	000110-87-2	46
3	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	46
4	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	46





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

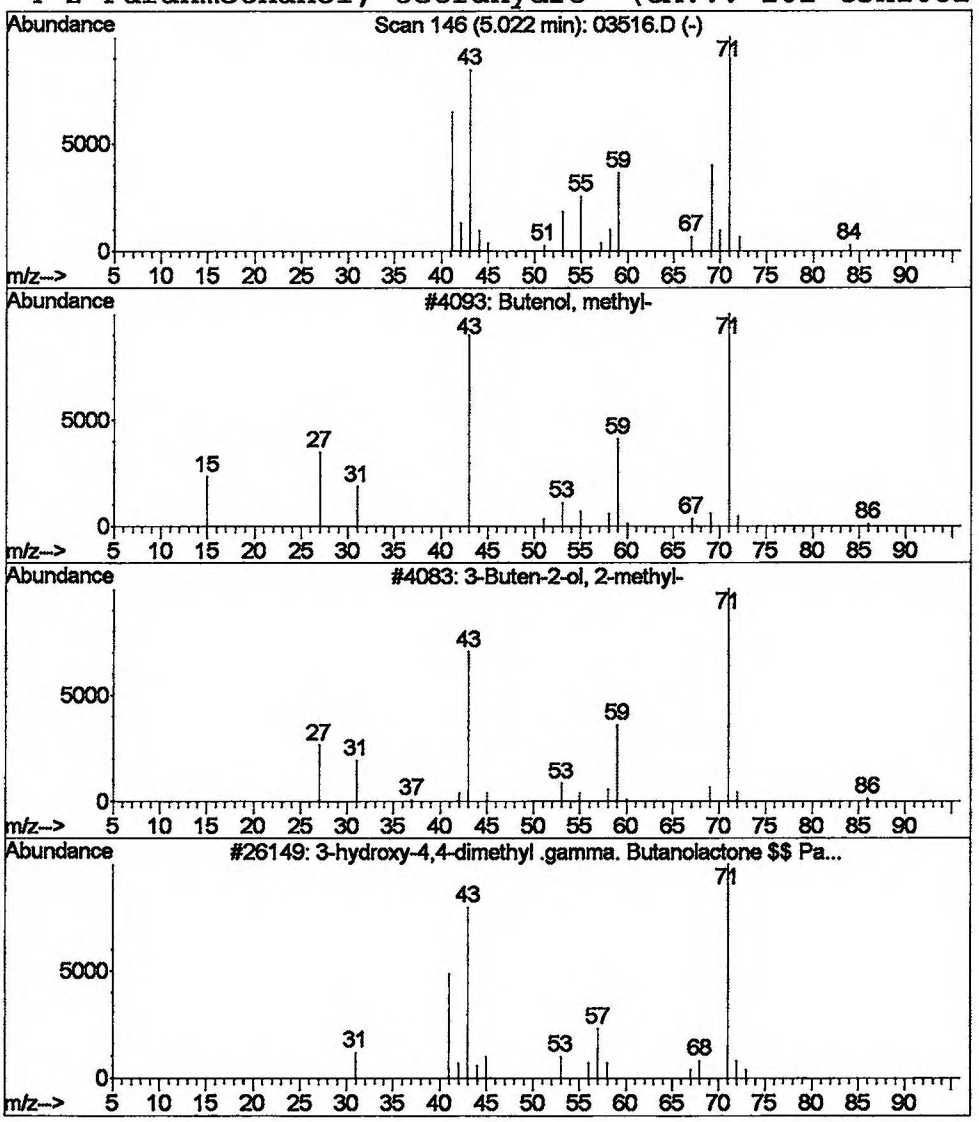
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

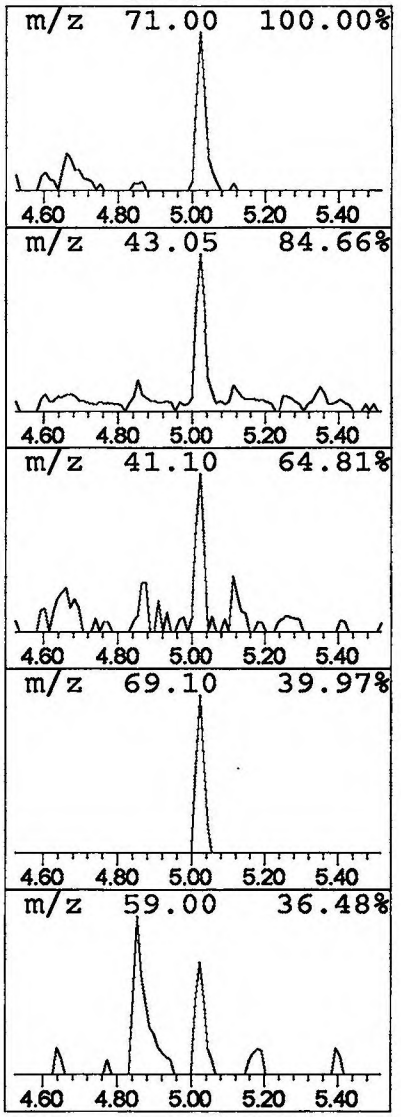
****

Peak Number 6 Butenol, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.17 ug/L	105771	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butenol, methyl-	86	C5H10O	060766-00-9	64
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	50
3	3-hydroxy-4,4-dimethyl .gamma. B...	130	C6H10O3	052126-90-6	45
4	2-Furanmethanol, tetrahydro- (CA...	102	C5H10O2	000097-99-4	45





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

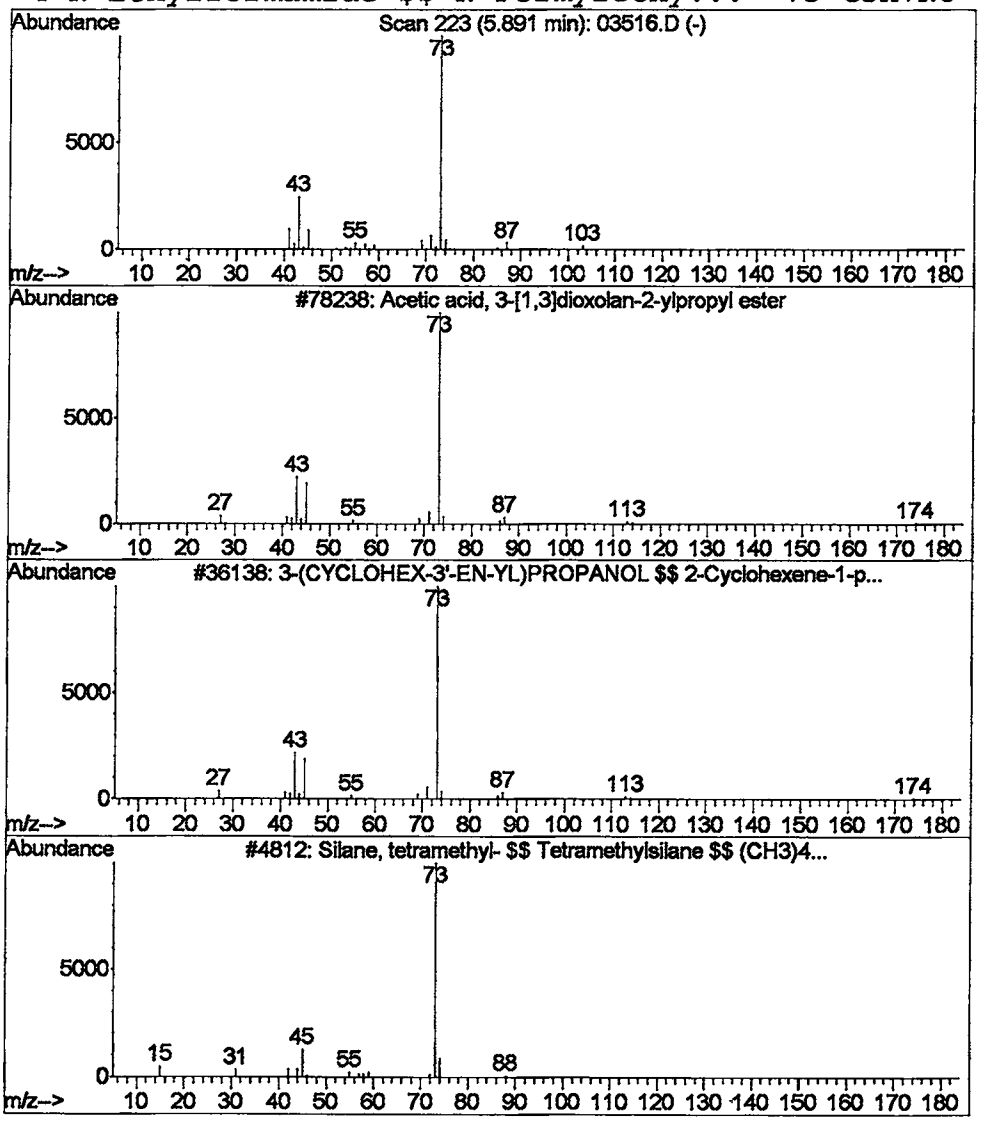
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

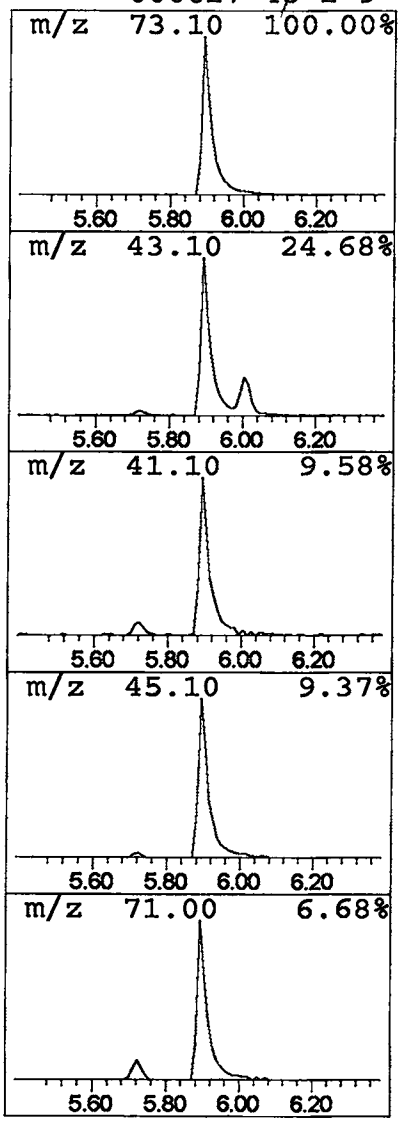
****

Peak Number 7 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	3.74 ug/L	2318380	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	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

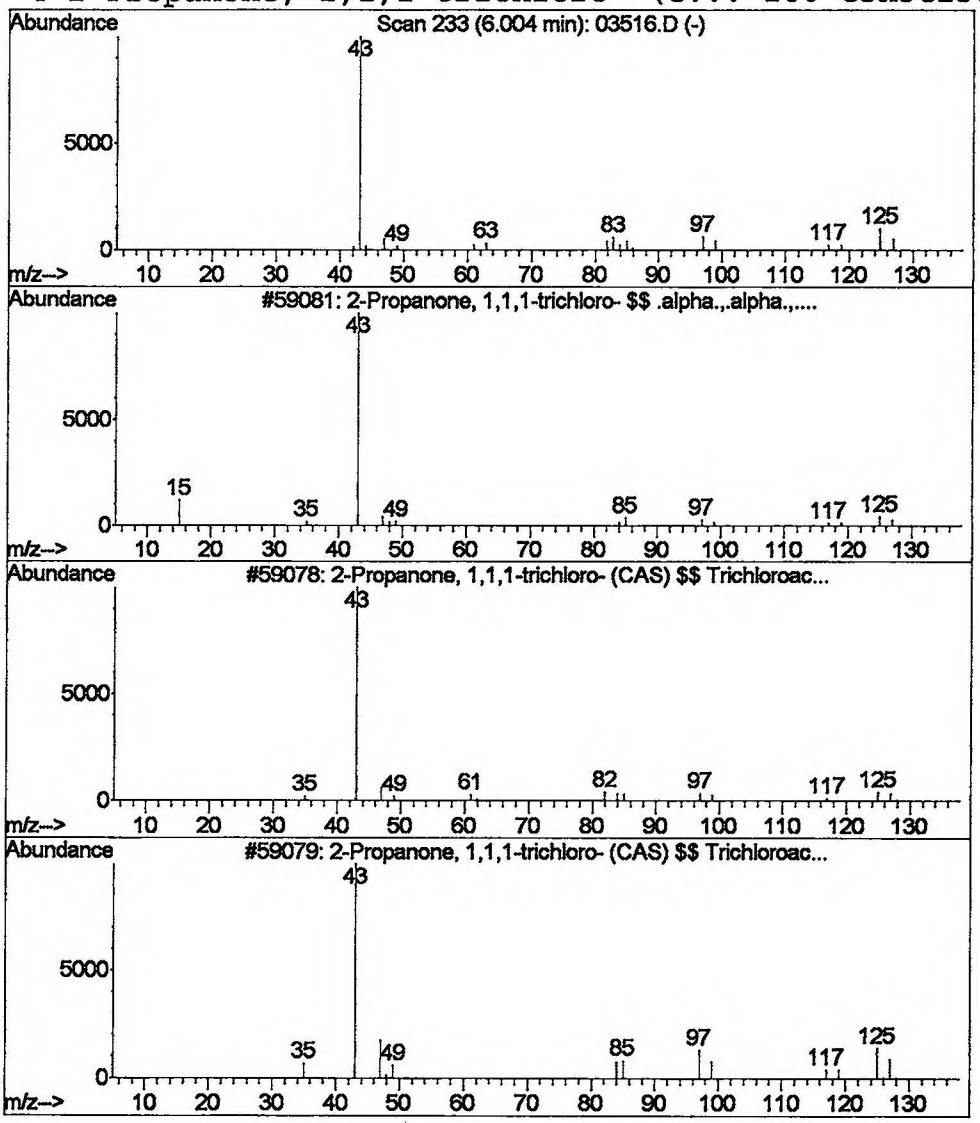
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

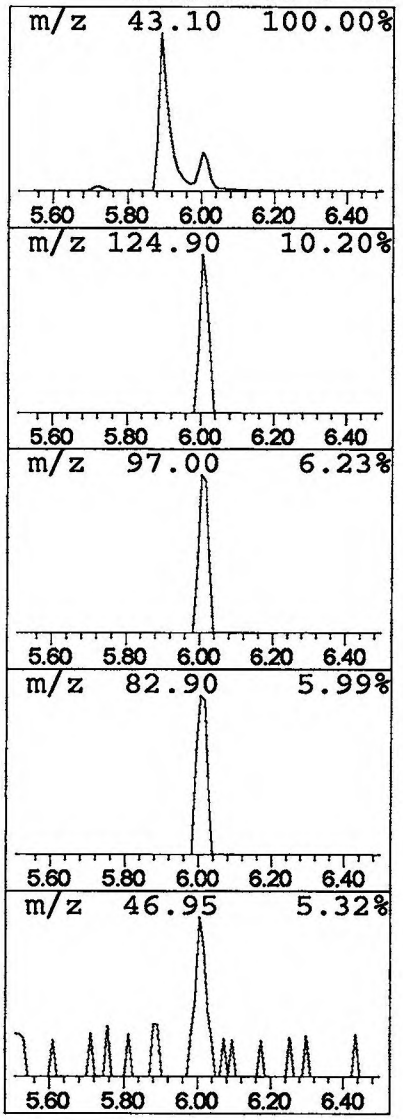
****

Peak Number 8 2-Propanone, 1,1,1-trichlor... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.31 ug/L	193863	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	64
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	50
3	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	50
4	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	25





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03616.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

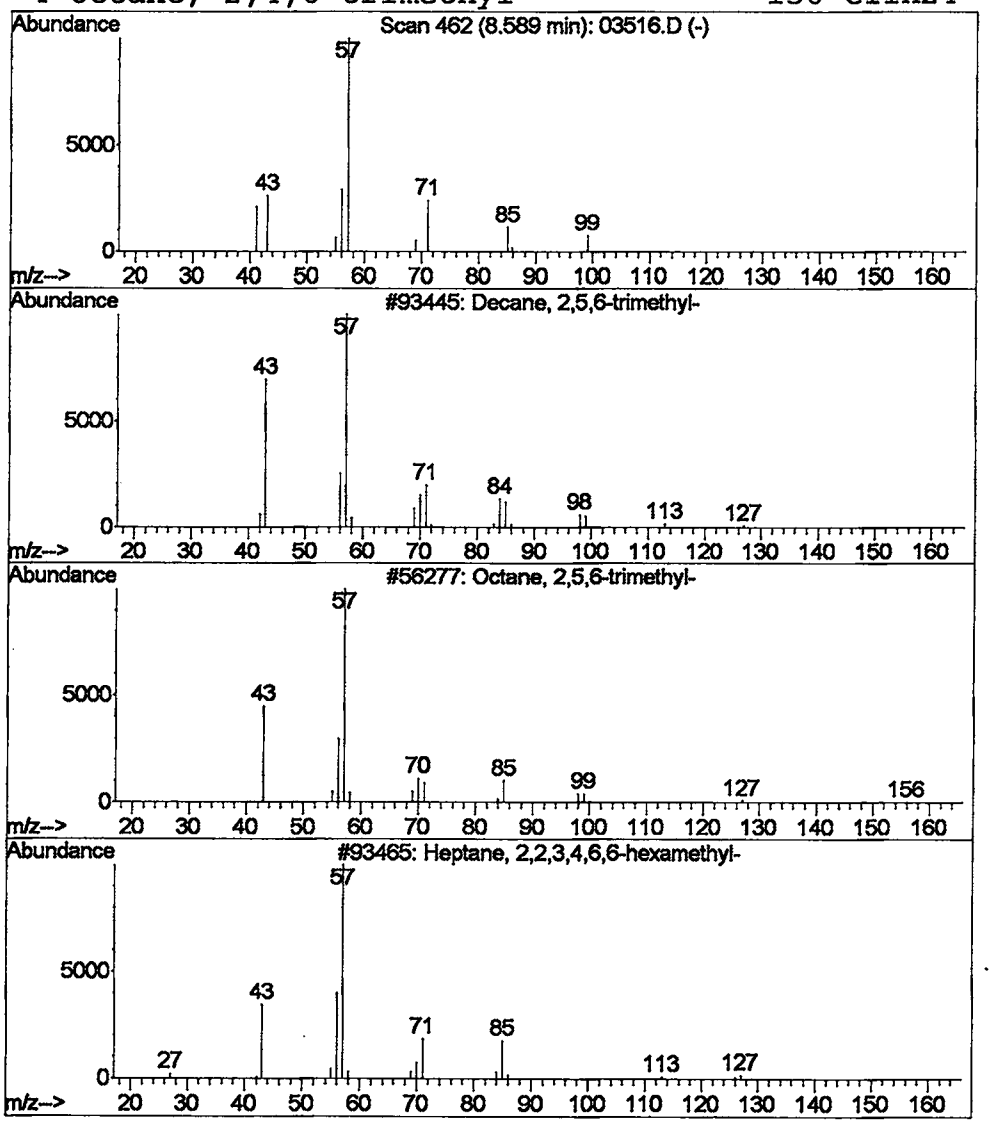
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

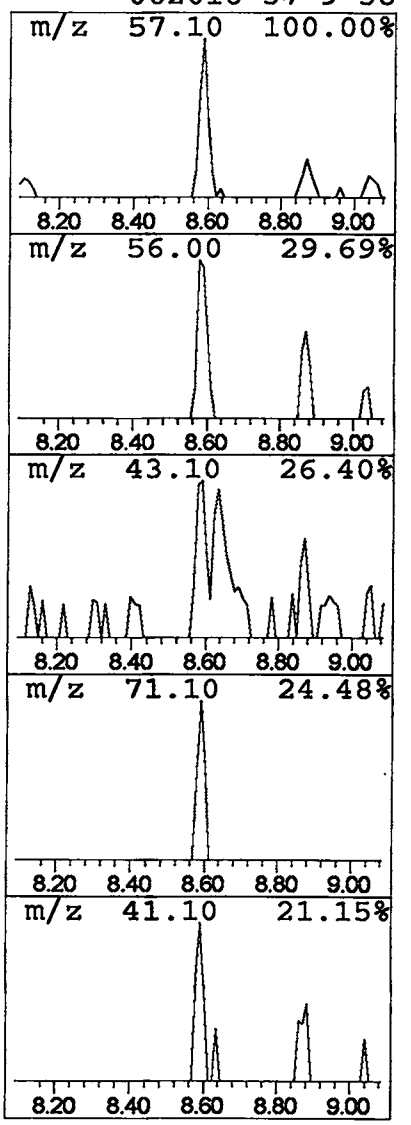
****

Peak Number 9 Decane, 2,5,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	0.09 ug/L	52887	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	74
2	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	39
3	Heptane, 2,2,3,4,6,6-hexamethyl-	184	C13H28	062108-32-1	39
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

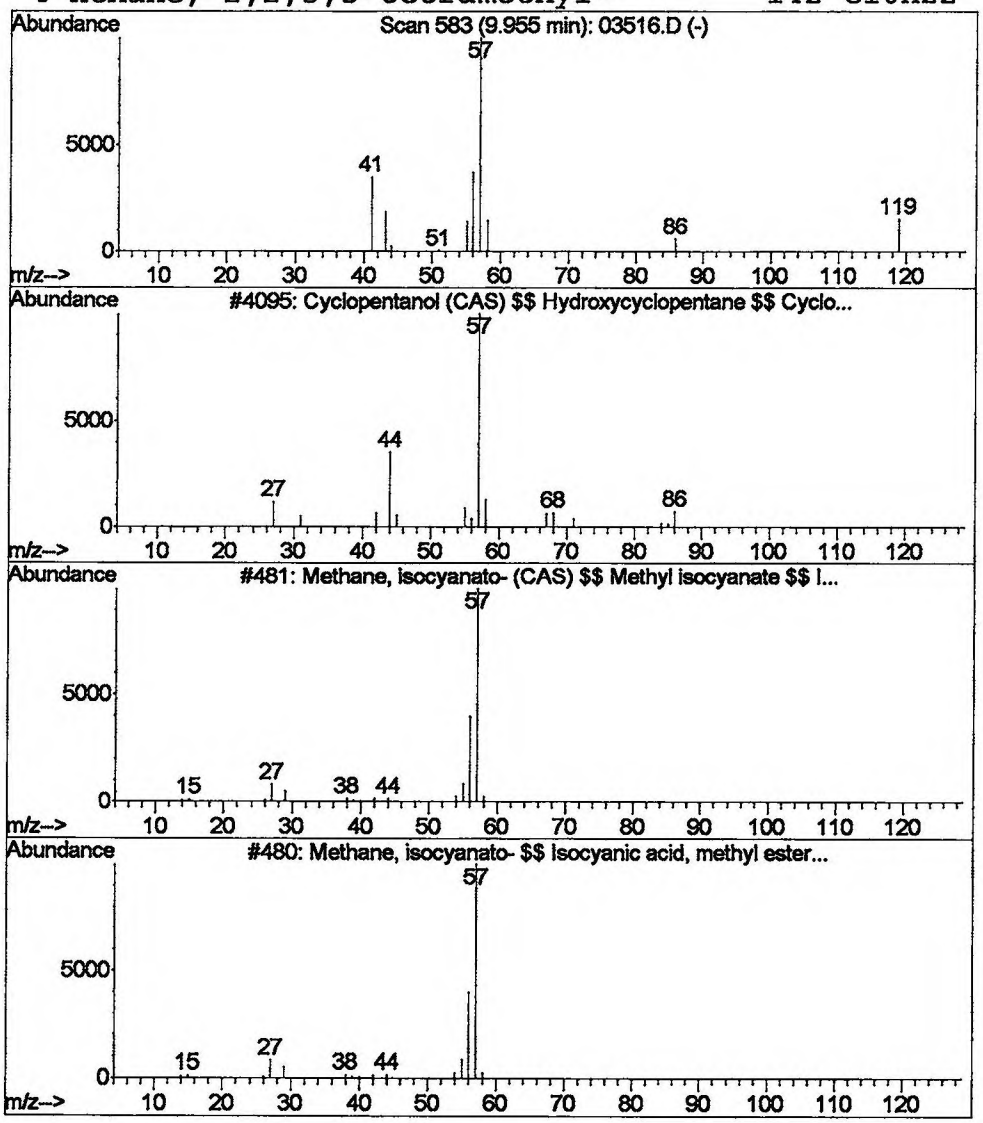
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

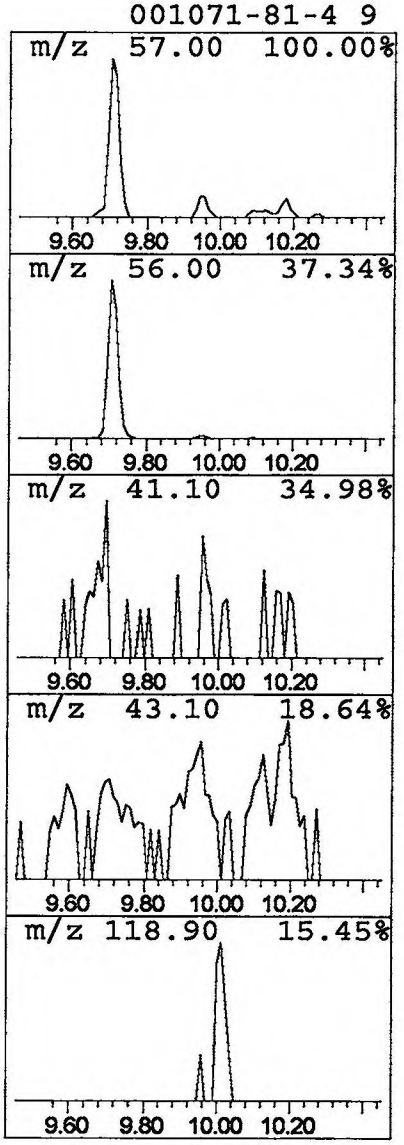
****

Peak Number 10 Cyclopentanol (CAS) $$ Hydr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	0.08 ug/L	50054	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanol (CAS) $$ Hydroxycy...	86	C5H10O	000096-41-3	9
2	Methane, isocyanato- (CAS) $$ Me...	57	C2H3NO	000624-83-9	9
3	Methane, isocyanato- $$ Isocyani...	57	C2H3NO	000624-83-9	9
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

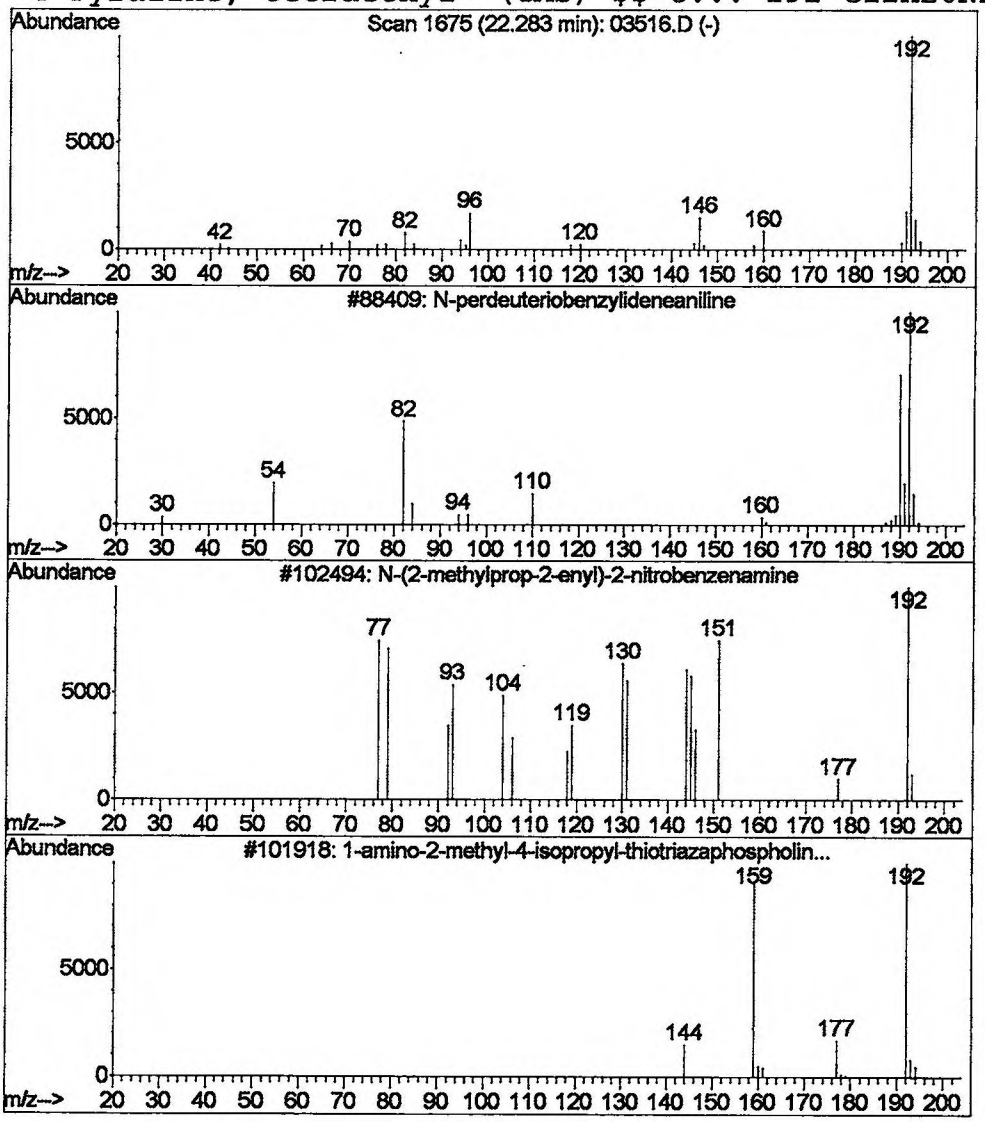
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

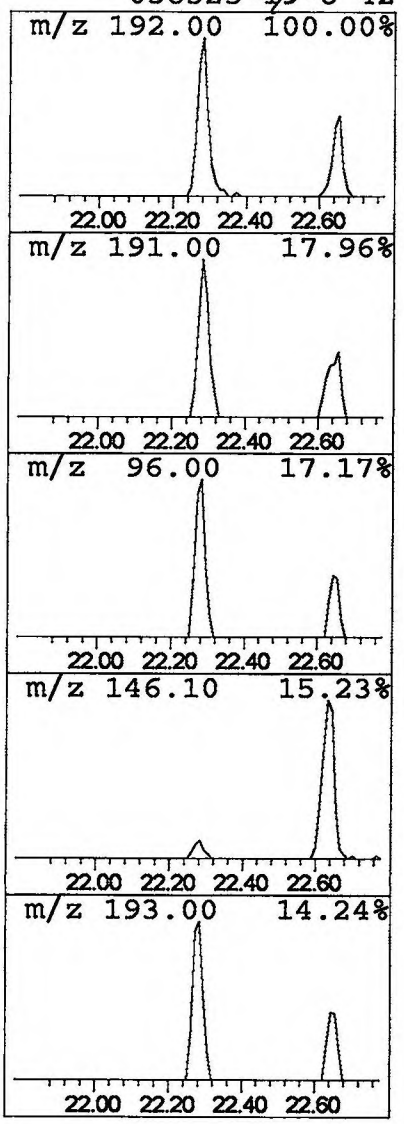
****

Peak Number 11 N-perdeuteriobenzylideneani... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	124190	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
2	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	52
3	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50
4	Pyrazine, tetraethyl- (CAS) $$ t...	192	C12H20N2	038325-19-8	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

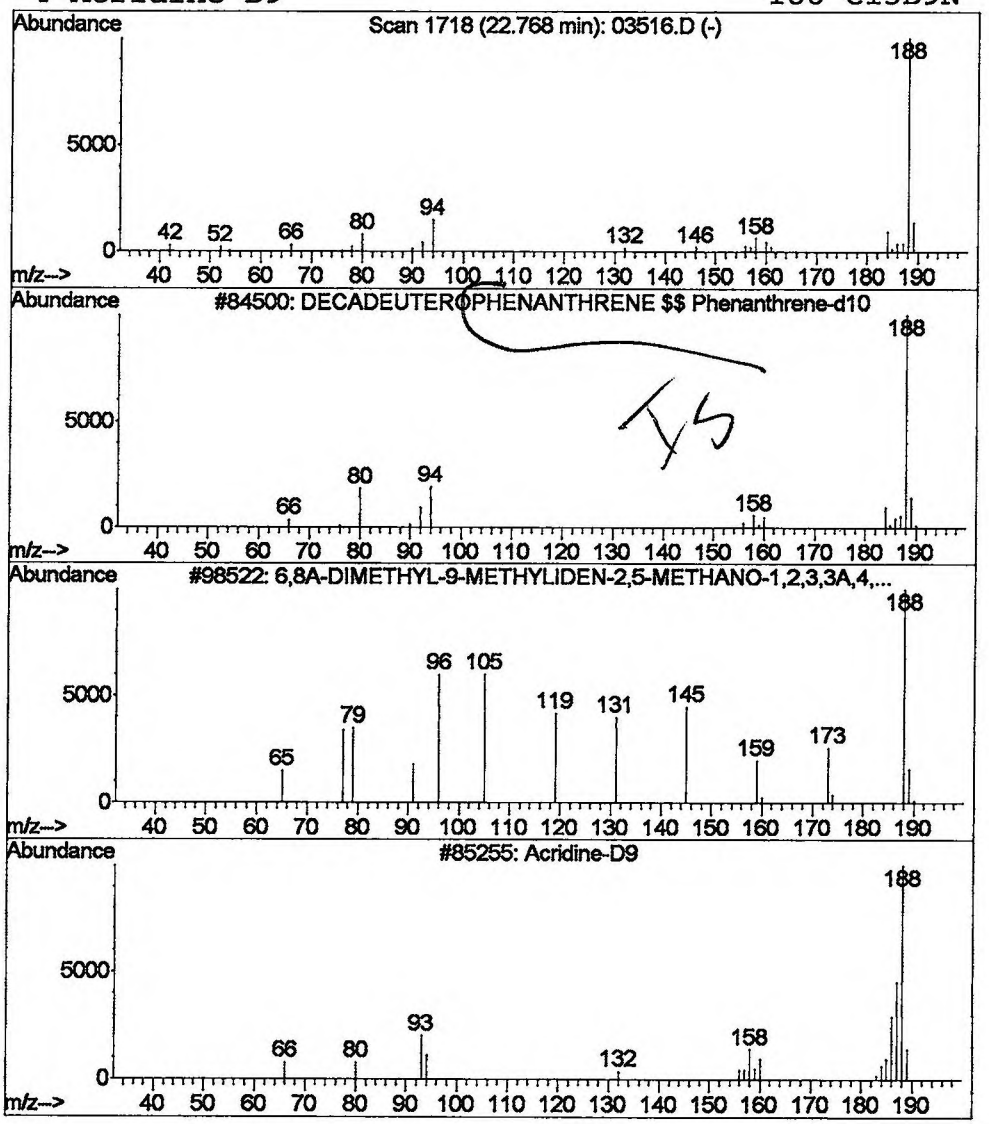
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

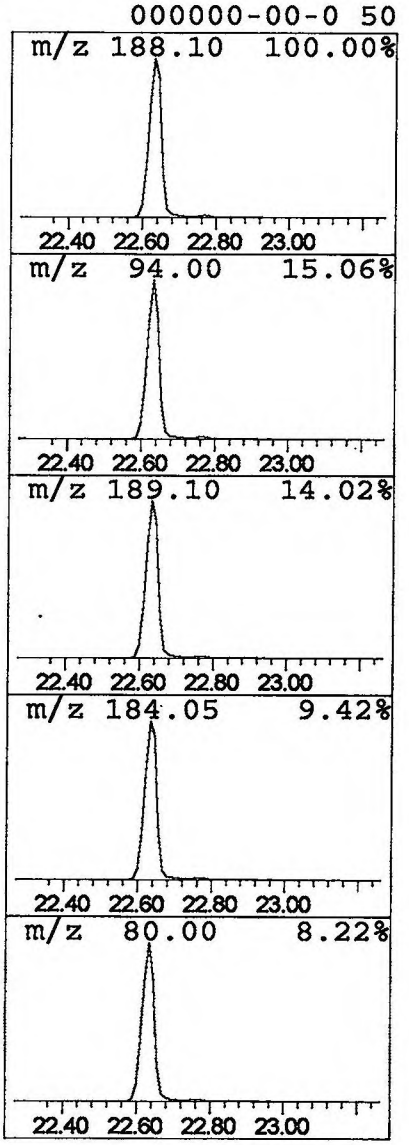
****

Peak Number 12 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.40 ug/L	385839	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	94
2	6,8A-DIMETHYL-9-METHYLIDEN-2,5-M...	188	C14H20	058651-05-1	58
3	Acridine-D9	188	C13D9N	000000-00-0	56
4	Acridine-D9	188	C13D9N	000000-00-0	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02MAR08\03516.D Vial: 6
Acq On : 8 Mar 2002 7:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : March 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

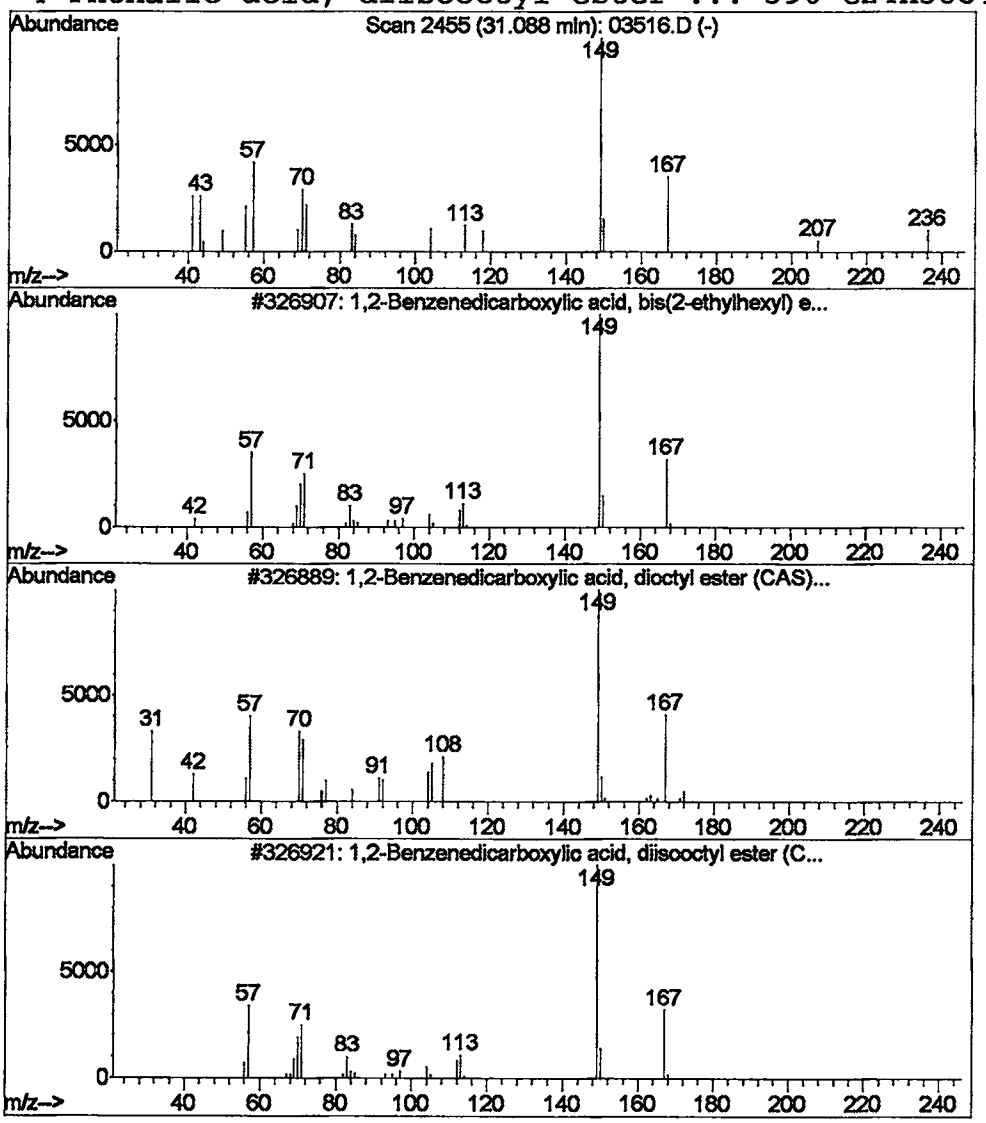
Quant Method : C:\MSDCHEM\1...\HP022102.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

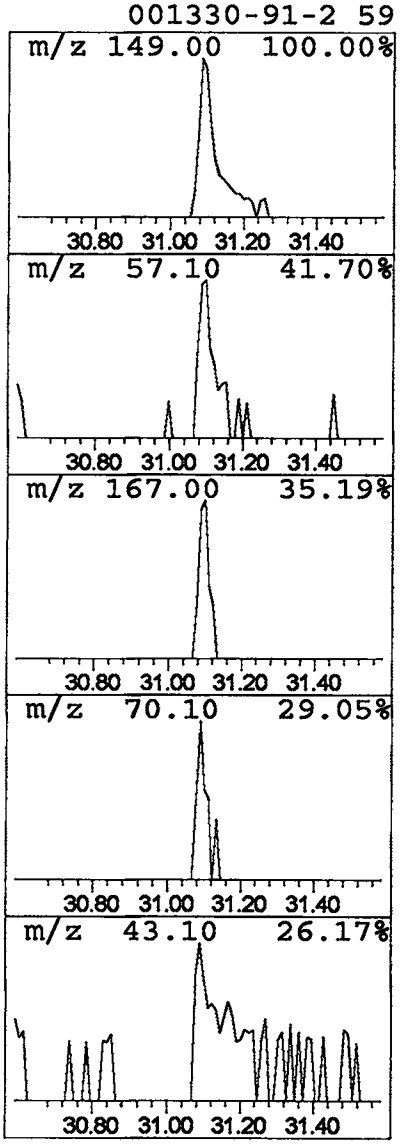
****

Peak Number 13 1,2-Benzenedicarboxylic aci... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.09	0.10 ug/L	78809	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bi...	390	C24H38O4	000117-81-7	64
2	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	000117-84-0	64
3	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	59
4	Phthalic acid, diisooctyl ester ...	390	C24H38O4	001330-91-2	59





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 8 Mar 2002 7:42 pm
Data File: C:\MSDCHEM\1\5973N\02MAR08\03516.D
Name: 508 scan
Misc: March 8, 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
Dichloroacetonitr...	3.51	0.1	ug/L	66513	1	9.71	12400200	20.0
Butanoic acid, me...	3.62	0.1	ug/L	77234	1	9.71	12400200	20.0
2,2-Dimethoxybutane	4.25	0.1	ug/L	71436	1	9.71	12400200	20.0
Butanoic acid, 2-...	4.65	0.1	ug/L	70790	1	9.71	12400200	20.0
3,4-Dihydropyran ...	4.86	0.1	ug/L	76969	1	9.71	12400200	20.0
Butenol, methyl-	5.02	0.2	ug/L	105771	1	9.71	12400200	20.0
Acetic acid, 3-[1...	5.89	3.7	ug/L	2318380	1	9.71	12400200	20.0
2-Propanone, 1,1,...	6.00	0.3	ug/L	193863	1	9.71	12400200	20.0
Decane, 2,5,6-tri...	8.59	0.1	ug/L	52887	1	9.71	12400200	20.0
Cyclopentanol (CA...	9.96	0.1	ug/L	50054	1	9.71	12400200	20.0
N-perdeuteriobenz...	22.28	0.1	ug/L	124190	4	22.63	19245600	20.0
DECADEUTEROPHENAN...	22.77	0.4	ug/L	385839	4	22.63	19245600	20.0
1,2-Benzenedicarb...	31.09	0.1	ug/L	78809	5	30.49	16562000	20.0