LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
Data File : BF099605.D
Acq On : 18 Oct 2017 2:20
Operator : SJ/JU
Sample : I5905-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUNDWATER

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	502	505	523	rBV	217907	295773	5.79%	0.989%
2	5.463	570	574	590	rBV	2146086	2310519	45.24%	7.727%
3	6.475	741	746	760	rBV	1524008	1544691	30.24%	5.166%
4	6.604	763	768	772	rBV	3115684	3618183	70.84%	12.100%
5	6.828	802	806	812	rBV	689431	579142	11.34%	1.937%
6	6.987	828	833	836	rBV	3389851	3577959	70.05%	11.965%
7	7.398	897	903	906	rBV	2267009	3031436	59.35%	10.138%
8	8.104	1019	1023	1027	rBV	864680	786293	15.40%	2.630%
9	8.281	1049	1053	1056	rVB	157306	130812	2.56%	0.437%
10	8.339	1059	1063	1067	rBV	278706	226763	4.44%	0.758%
11	8.863	1149	1152	1156	rBV	69983	62728	1.23%	0.210%
12	9.186	1200	1207	1210	rBV	3959863	5107417	100.00%	17.080%
13	9.575	1270	1273	1276	rBV	128259	96393	1.89%	0.322%
14	9.810	1309	1313	1317	rVB2	269596	268881	5.26%	0.899%
15	9.863	1317	1322	1327	rVB	949174	854083	16.72%	2.856%
16	10.057	1350	1355	1359	rBV	146329	131556	2.58%	0.440%
17	10.245	1380	1387	1390	rBV2	67477	85414	1.67%	0.286%
18	10.657	1452	1457	1460	rBV	1954241	2190451	42.89%	7.325%
19	11.351	1571	1575	1578	rBV	762977	703676	13.78%	2.353%
20	12.939	1839	1845	1848	rBV	2901578	3248527	63.60%	10.864%
21	13.992	2020	2024	2030	rBV	513282	492317	9.64%	1.646%
22	15.451	2265	2272	2280	rBV	448469	559508	10.95%	1.871%

Sum of corrected areas: 29902522

LSC Report - Integrated Chromatogram

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Misc :
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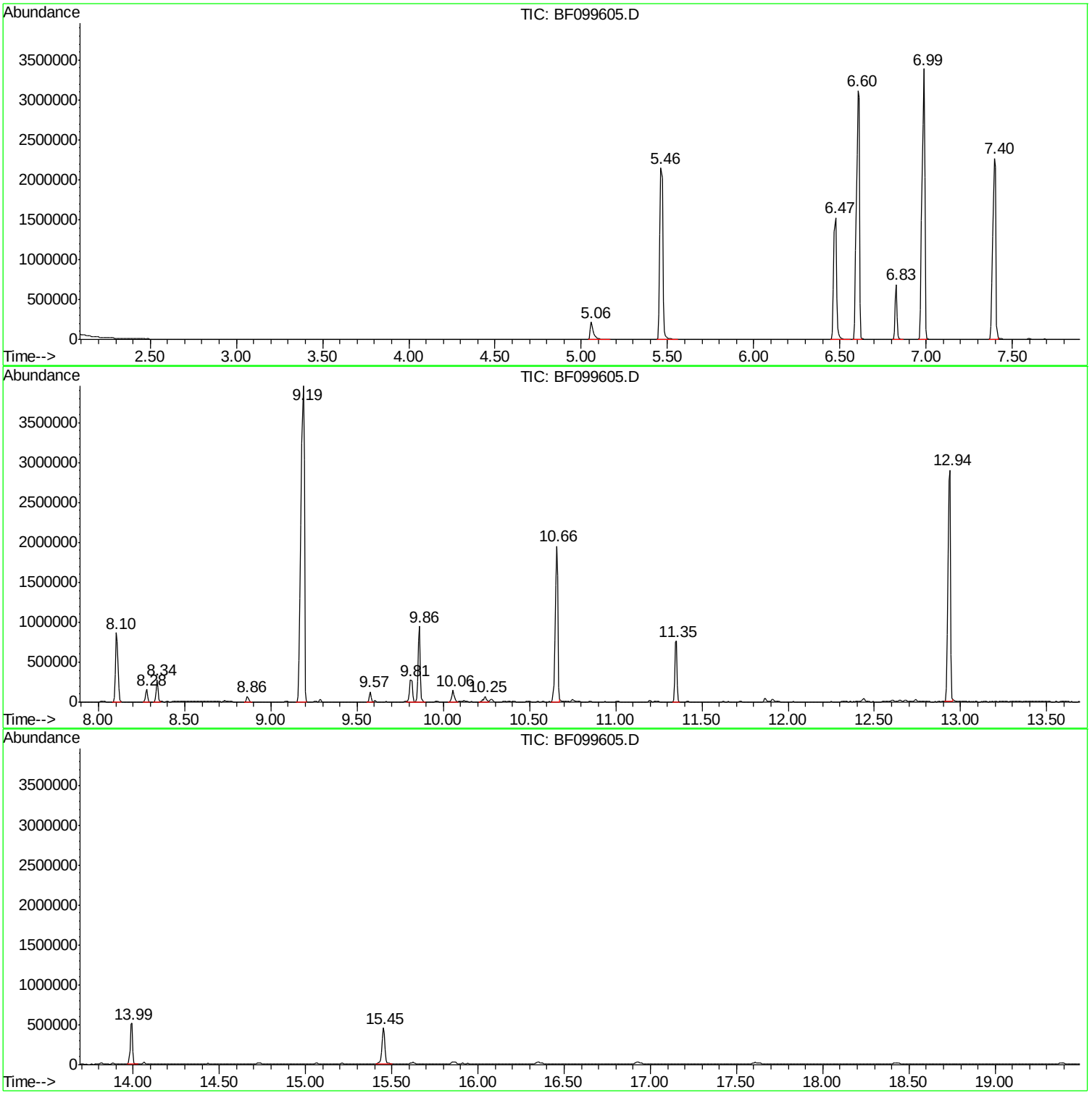
Instrument : BNA_F
ClientSampleId : GROUNDWATER

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
Data File : BF099605.D
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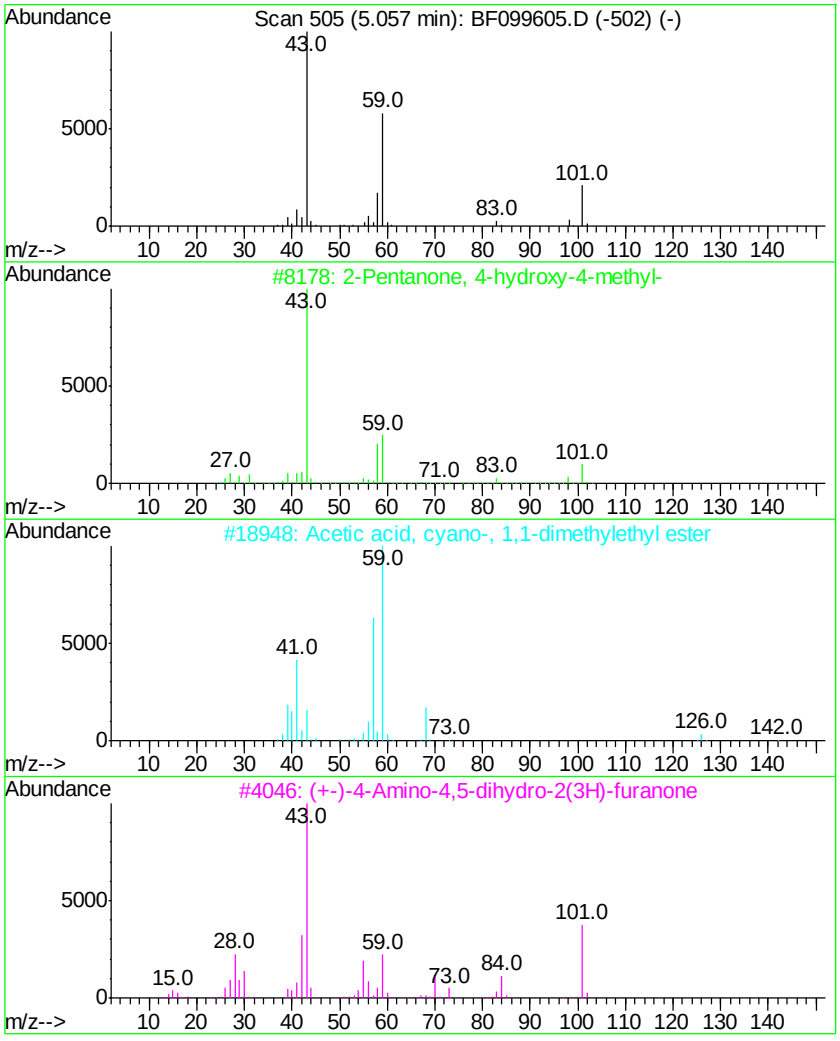
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

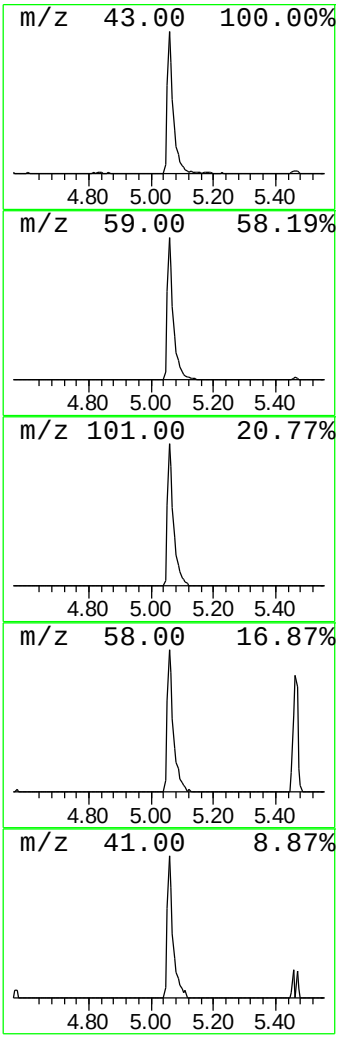
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	10.21 ng	295773	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
Data File : BF099605.D
Acq On : 18 Oct 2017 2:20
Operator : SJ/JU
Sample : I5905-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUNDWATER

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

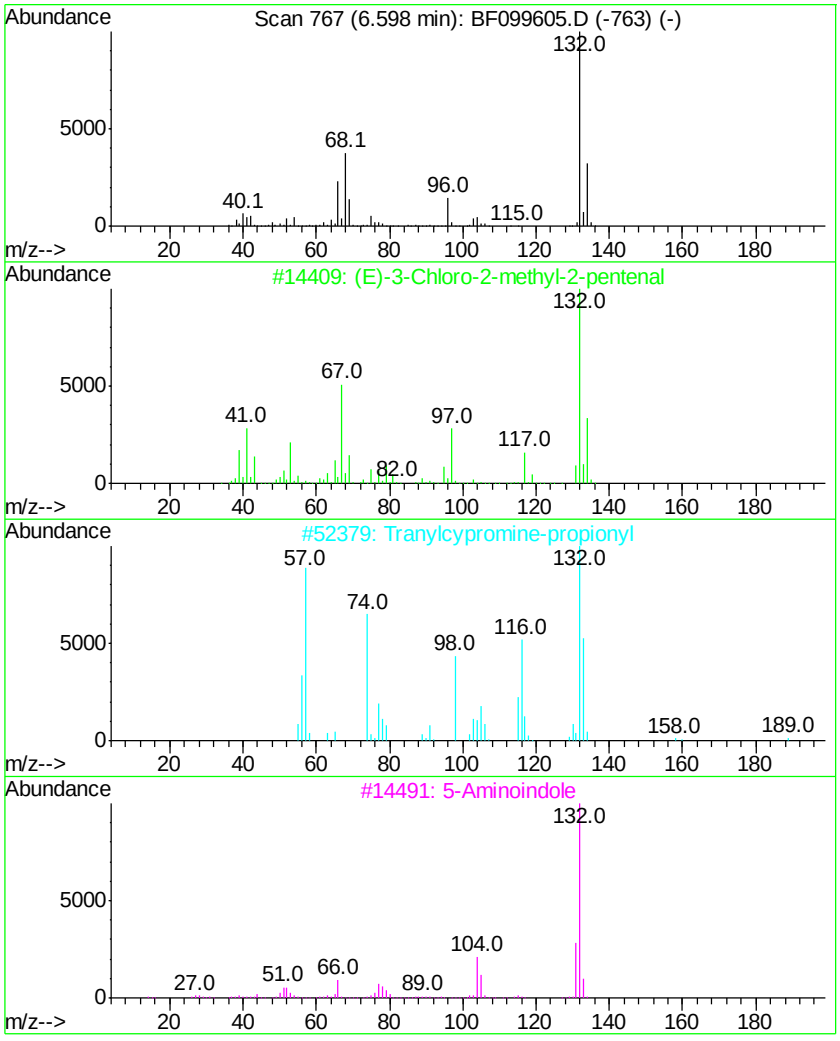
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

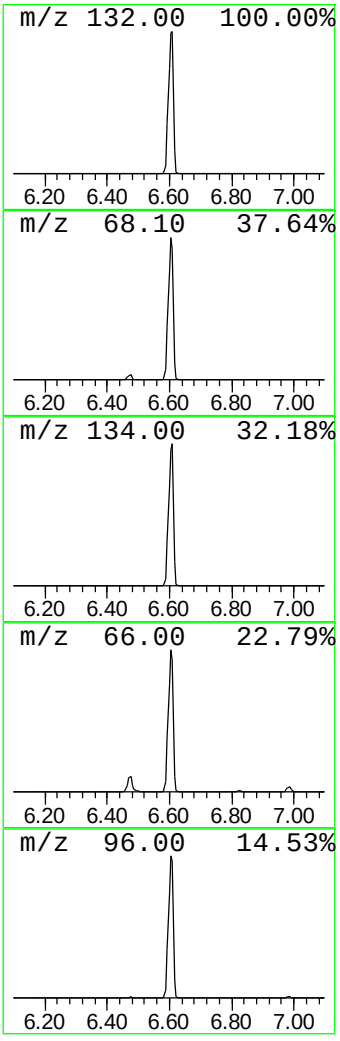
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	124.95 ng	3618180	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Data File : BF099605.D
Acq On : 18 Oct 2017 2:20
Operator : SJ/JU
Sample : I5905-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUNDWATER

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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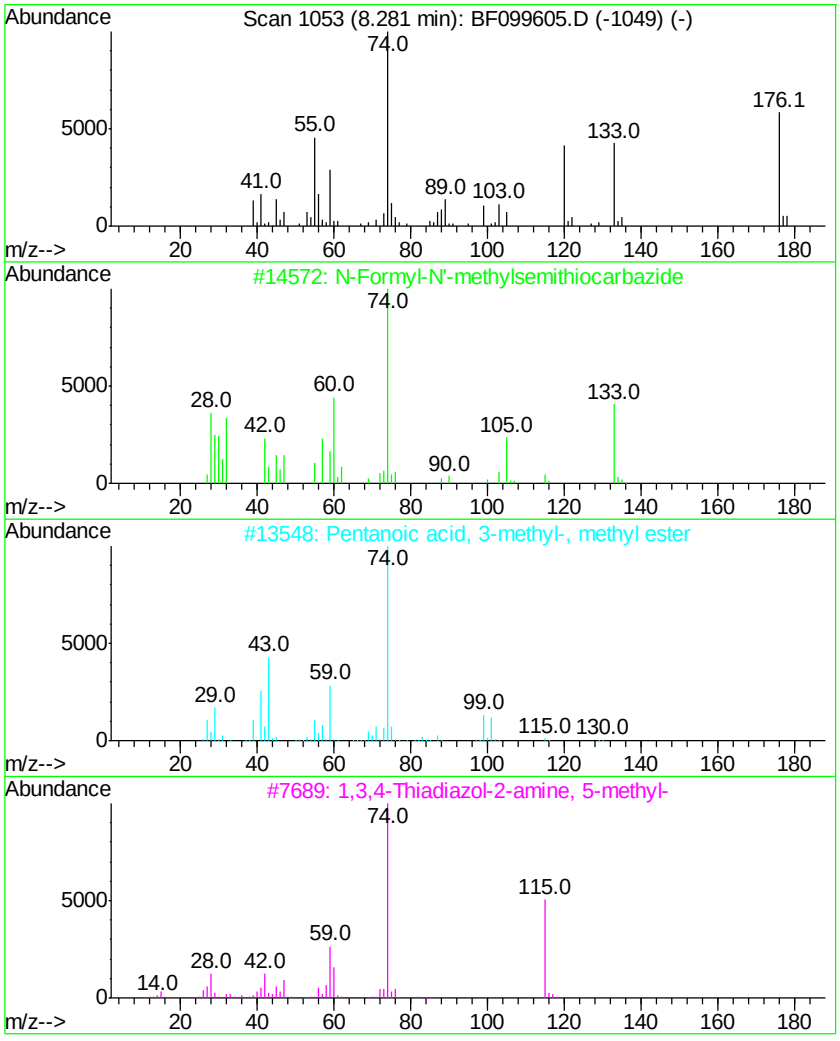
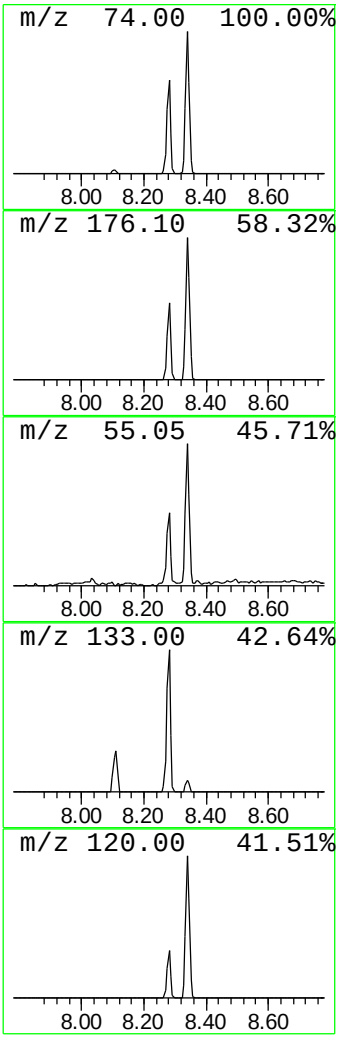
Peak Number 4 unknown8.28 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	3.33 ng	130812	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Formyl-N'-methylsemithiocarbazide	133	C3H7N3OS	058064-52-1	23
2	Pentanoic acid, 3-methyl-, methy...	130	C7H14O2	002177-78-8	16
3	1,3,4-Thiadiazol-2-amine, 5-methyl-	115	C3H5N3S	000108-33-8	12
4	Urea, N-ethyl-N-nitroso-	117	C3H7N3O2	000759-73-9	10
5	2-Thiazolamine, 4-phenyl-	176	C9H8N2S	002010-06-2	10





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Data File : BF099605.D
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Operator : SJ/JU
Sample : I5905-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUNDWATER

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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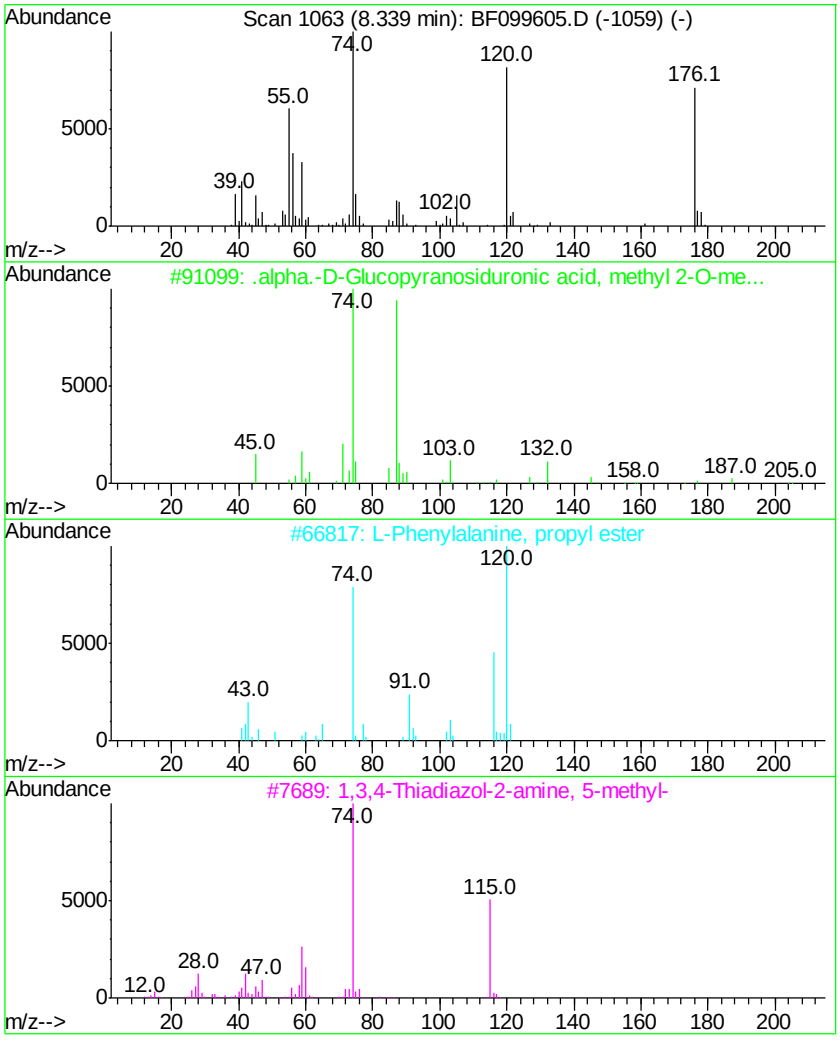
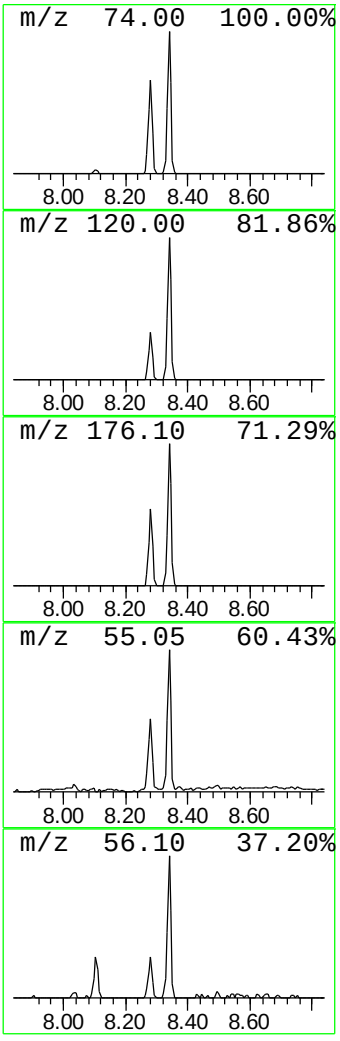
Peak Number 5 unknown8.34 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	5.77 ng	226763	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-D-Glucopyranosiduronic a...	236	C9H16O7	031506-20-4	22
2	L-Phenylalanine, propyl ester	207	C12H17NO2	054966-38-0	17
3	1,3,4-Thiadiazol-2-amine, 5-methyl-	115	C3H5N3S	000108-33-8	16
4	1,2-Dithiane	120	C4H8S2	000505-20-4	12
5	Pentanoic acid, 3-hydroxy-2-meth...	174	C9H18O3	1000151-17-3	12





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Sample : I5905-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GROUNDWATER

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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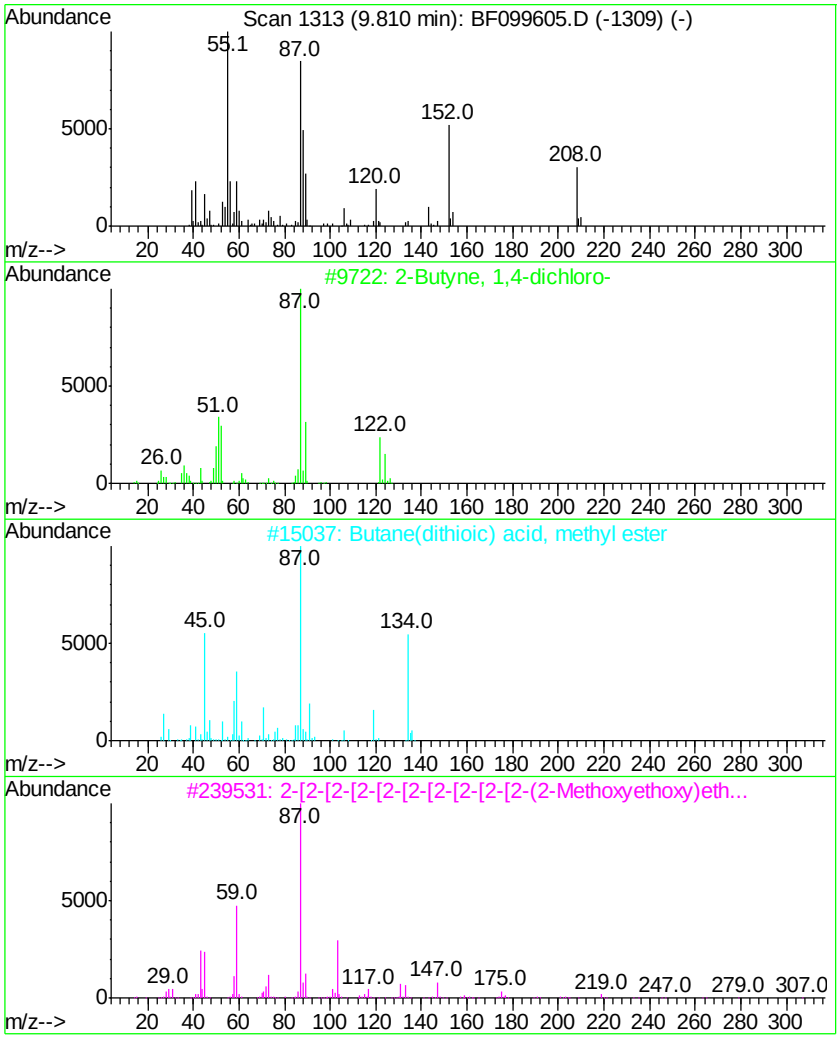
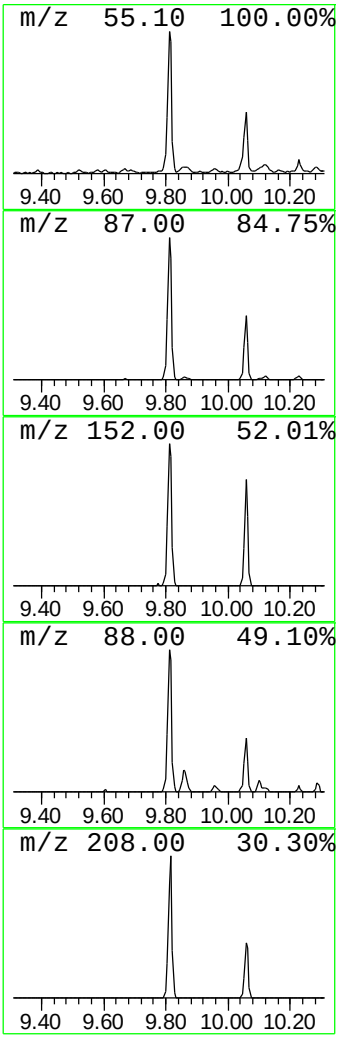
Peak Number 6 unknown9.81 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	6.30 ng	268881	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyne, 1,4-dichloro-	122	C4H4Cl2	000821-10-3	27
2	Butane(dithioic) acid, methyl ester	134	C5H10S2	013831-08-8	27
3	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-...	558	C25H50O13	1000351-91-9	16
4	2-[2-[2-(2-Hydroxyethoxy)ethoxy]...	236	C10H20O6	1000351-92-5	16
5	Thiophane, propyl-	130	C7H14S	001551-34-4	12





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Instrument : BNA_F
ClientSampleId : GROUNDWATER

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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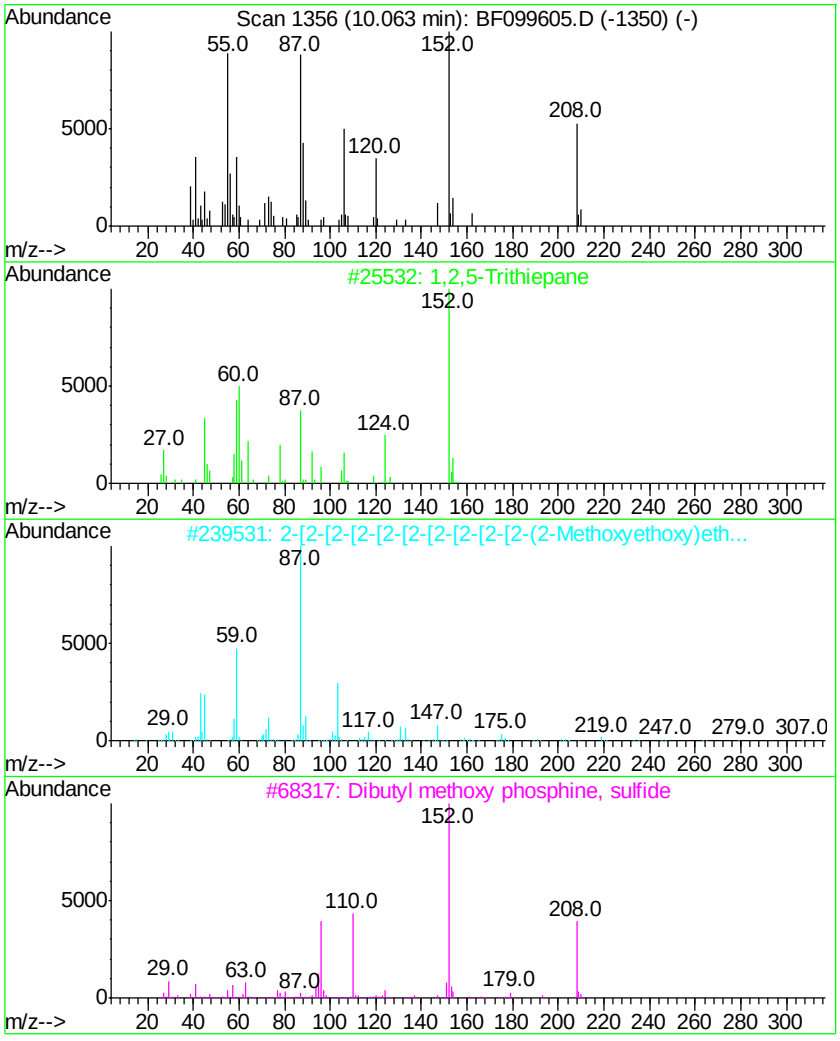
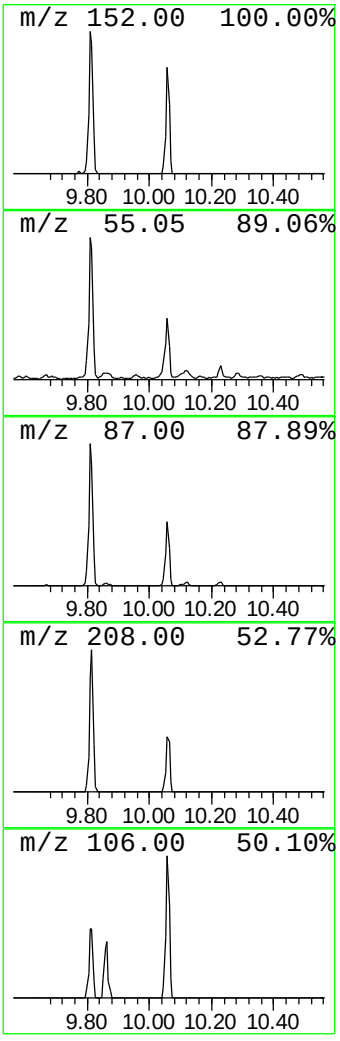
Peak Number 7 unknown10.06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	3.08 ng	131556	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,5-Trithiepane	152	C4H8S3	006576-93-8	25
2	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-...	558	C25H50O13	1000351-91-9	16
3	Dibutyl methoxy phosphine, sulfide	208	C9H21OPS	098958-59-9	14
4	2-[2-[2-[2-[2-[2-[2-(2-Methox...	470	C21H42O11	1000351-91-8	12
5	Oxazolidin-2-one	87	C3H5NO2	000497-25-6	12





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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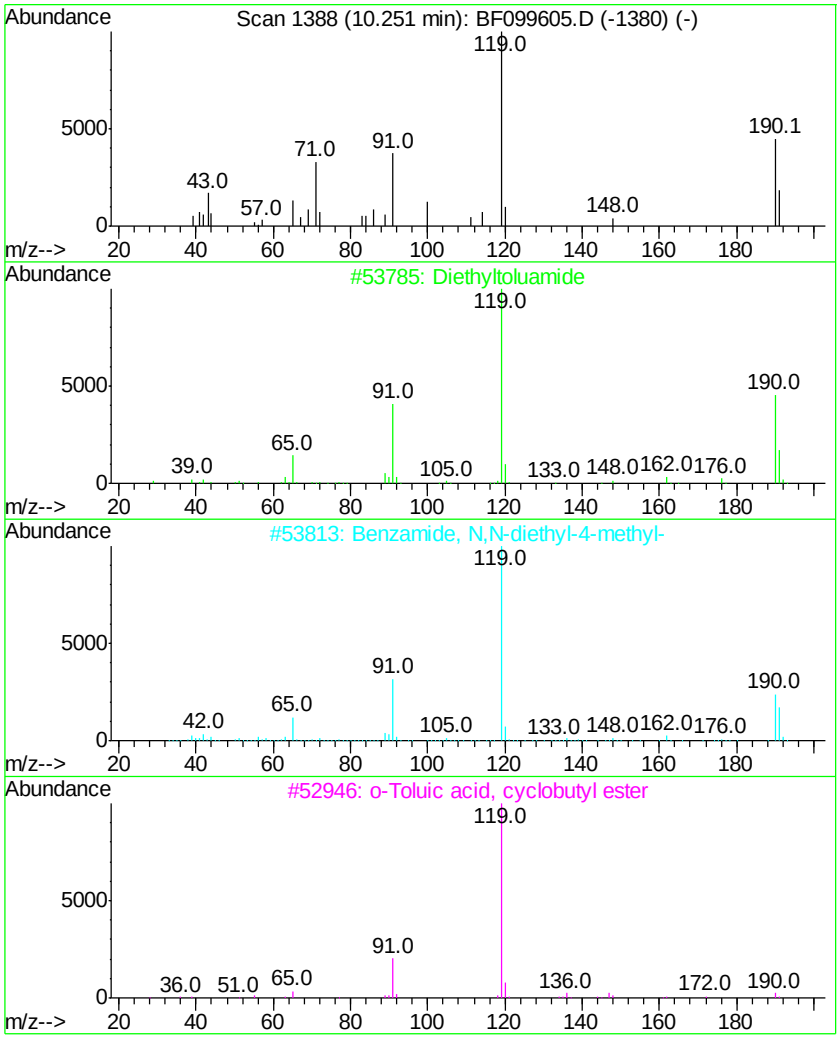
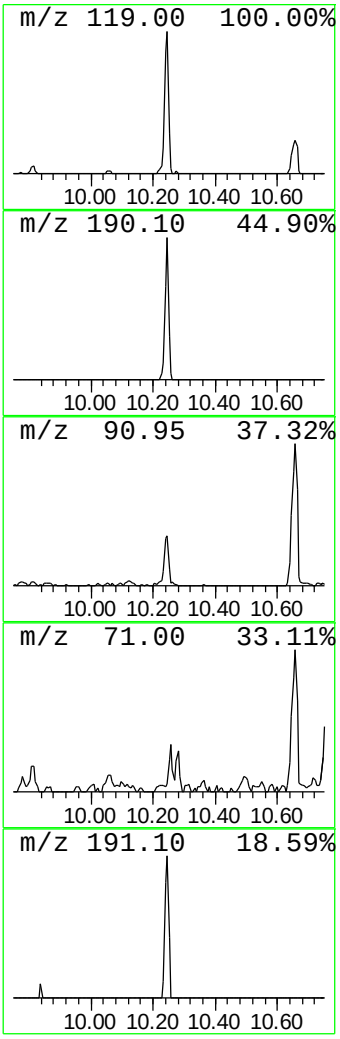
Peak Number 8 Diethyltoluamide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	2.00 ng	85414	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	96
2	Benzamide, N,N-diethyl-4-methyl-	191	C12H17NO	002728-05-4	76
3	o-Toluic acid, cyclobutyl ester	190	C12H14O2	1000292-22-3	72
4	1-Propanone, 2-methyl-1-(4-methy...	162	C11H14O	050390-51-7	50
5	3-Buten-1-one, 1-(4-methylphenyl)-	160	C11H12O	130649-66-0	47





Tentatively Identified Compound (LSC) summary

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.06	10.2	ng	295773	1	6.83	579142	20.0
unknown6.60	6.60	125.0	ng	3618180	1	6.83	579142	20.0
unknown8.28	8.28	3.3	ng	130812	2	8.10	786293	20.0
unknown8.34	8.34	5.8	ng	226763	2	8.10	786293	20.0
unknown9.81	9.81	6.3	ng	268881	3	9.86	854083	20.0
unknown10.06	10.06	3.1	ng	131556	3	9.86	854083	20.0
Diethyltoluamide	10.25	2.0	ng	85414	3	9.86	854083	20.0