

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099095.D
 Acq On : 5 Oct 2017 10:39
 Operator : SJ/JU
 Sample : I5275-01
 Misc : LOD 1 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Manual Integrations
 APPROVED

Sohil
 10/6/2017 5:34:46 PM

Quant Time: Oct 06 14:16:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	114006	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	480960	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	229489	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	422329	20.00	ng	0.00
75) Chrysene-d12	14.03	240	353996	20.00	ng	0.00
86) Perylene-d12	15.50	264	319544	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	1013181	141.47	ng	0.00
7) Phenol-d6	6.50	99	1219804	138.07	ng	0.00
23) Nitrobenzene-d5	7.43	82	622138	82.95	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	274796	146.34	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1157479	84.20	ng	0.00
78) Terphenyl-d14	12.97	244	1046739	67.25	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.53	93	12050	1.011	ng	95
8) 2-Chlorophenol	6.65	128	9761	1.204	ng	97
9) Benzaldehyde	6.42	77	4107	0.801	ng	92
10) Phenol	6.50	94	10697	1.083	ng	# 6
11) bis(2-Chloroethyl)ether	6.60	93	8386	1.092	ng	89
12) 1,3-Dichlorobenzene	6.80	146	9578	1.128	ng	97
13) 1,4-Dichlorobenzene	6.88	146	9785	1.132	ng	96
14) 1,2-Dichlorobenzene	7.03	146	9353	1.171	ng	91
15) Benzyl Alcohol	7.02	79	15455	2.385	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	7.13	45	12307	1.028	ng	98
18) Hexachloroethane	7.37	117	3266	1.051	ng	92
24) Nitrobenzene	7.45	77	11087	1.303	ng	99
31) Naphthalene	8.17	128	26993	1.195	ng	100
34) Hexachlorobutadiene	8.28	225	3822	1.118	ng	98
37) 2-Methylnaphthalene	8.86	142	16910	1.152	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	7793	1.139	ng	95
45) 1,1'-Biphenyl	9.32	154	25772	1.307	ng	96
46) 2-Chloronaphthalene	9.35	162	16996	1.148	ng	97
47) 2-Nitroaniline	9.44	65	3939	0.869	ng	97
48) Acenaphthylene	9.76	152	25521	1.126	ng	99
49) Dimethylphthalate	9.61	163	20035	1.157	ng	98
50) 2,6-Dinitrotoluene	9.68	165	4107	1.089	ng	91
51) Acenaphthene	9.93	154	15678	1.092	ng	96
54) Dibenzofuran	10.10	168	22861	1.196	ng	100
57) Fluorene	10.45	166	19575	1.274	ng	97
58) 2,3,4,6-Tetrachlorophenol	10.22	232	2664	0.797	ng	# 92
59) Diethylphthalate	10.32	149	19833	1.172	ng	96
62) Azobenzene	10.60	77	16669	1.071	ng	96
65) n-Nitrosodiphenylamine	10.56	169	16481	1.126	ng	98
66) 4-Bromophenyl-phenylether	10.93	248	4667	1.129	ng	95
67) Hexachlorobenzene	11.00	284	5256	1.190	ng	92
68) Atrazine	11.07	200	4442	1.009	ng	92
70) Phenanthrene	11.41	178	28561	1.263	ng	96
71) Anthracene	11.46	178	27322	1.181	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Carbazole	11.62	167	26409	1.166	nq	99
73) Di-n-butylphthalate	11.94	149	31137	1.142	nq	99
74) Fluoranthene	12.60	202	26946	1.177	nq	97
77) Pyrene	12.83	202	28554	1.058	nq	99
79) Butylbenzylphthalate	13.44	149	13005	1.025	nq	97
80) Benzo(a)anthracene	14.02	228	24717	1.153	nq	98
82) Chrysene	14.05	228	23030	1.129	nq	96
83) Bis(2-ethylhexyl)phthalate	13.99	149	19601	1.122	nq #	95
84) Di-n-octyl phthalate	14.60	149	30612	1.088	nq #	92
85) Indeno(1,2,3-cd)pyrene	16.97	276	18738	1.148	nq	94
87) Benzo(b)fluoranthene	15.06	252	21221	1.080	nq #	94
88) Benzo(k)fluoranthene	15.09	252	20996m	1.082	nq	
89) Benzo(a)pyrene	15.43	252	18813	1.043	nq	93
90) Dibenzo(a,h)anthracene	16.99	278	15044	1.042	nq	94
91) Benzo(a,h,i)perylene	17.42	276	13760	0.964	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

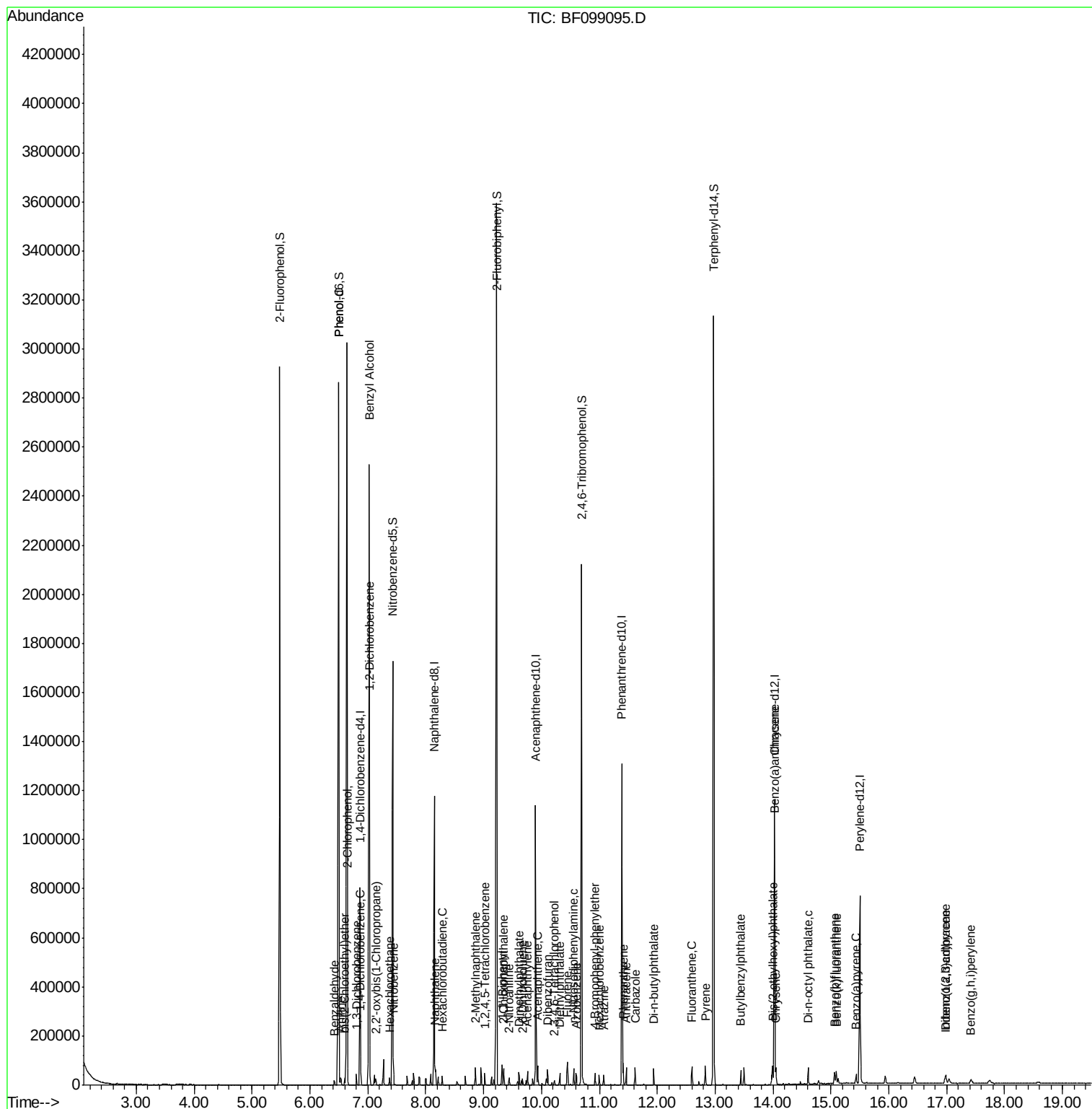
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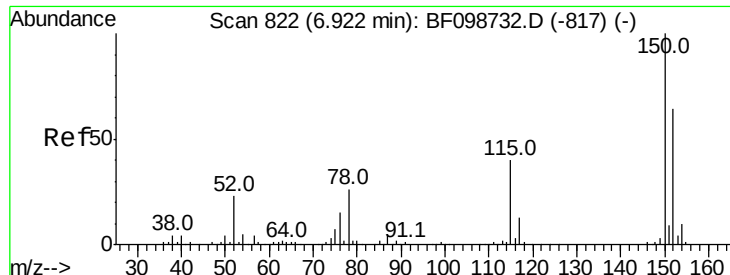
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

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#1

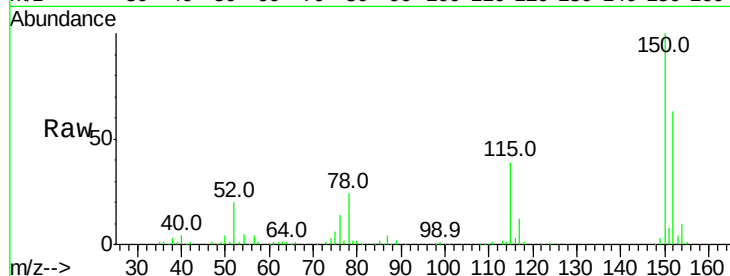
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

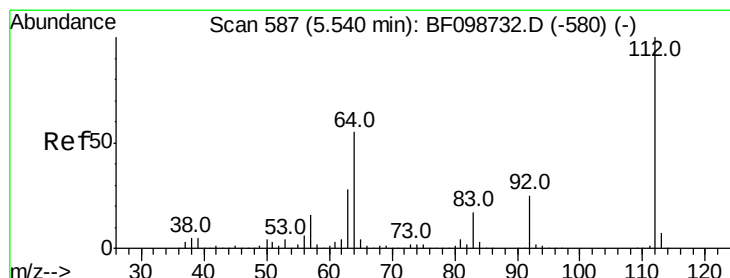
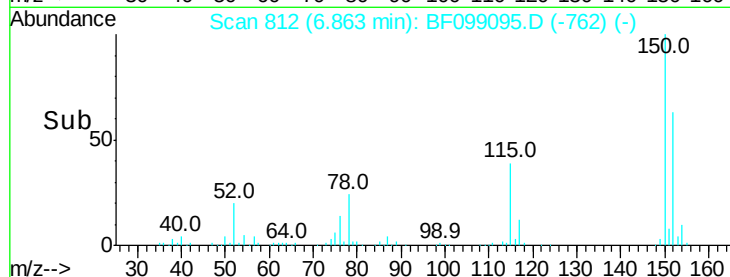
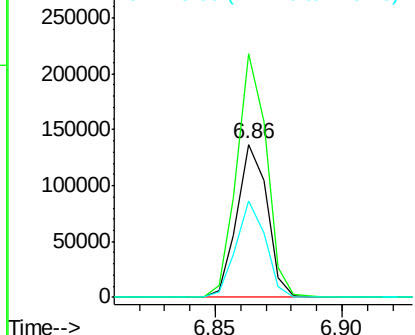
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	62.8	50.1	75.1

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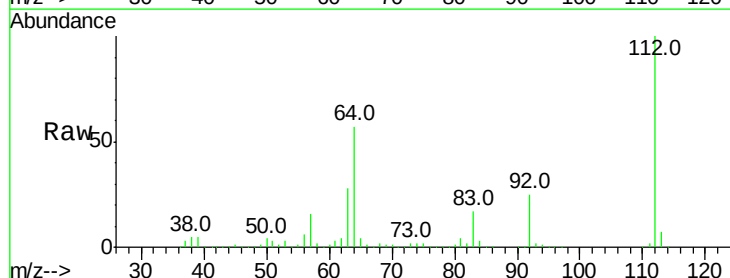
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



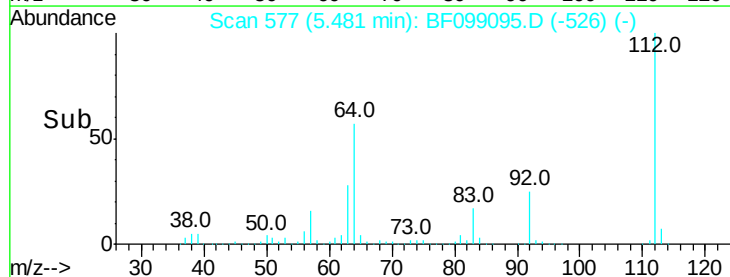
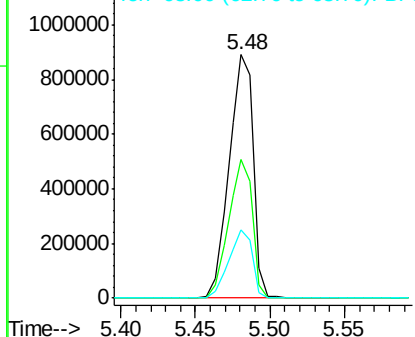
#5

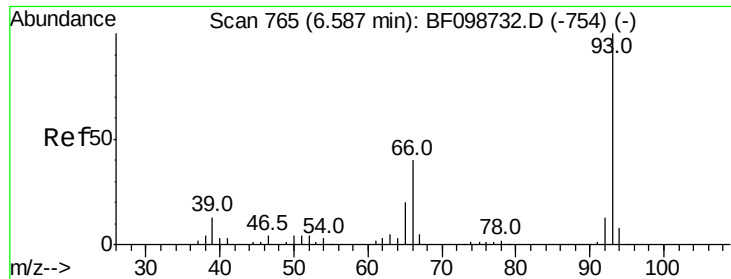
2-Fluorophenol
Concen: 141.474 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	27.9	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 1.011 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

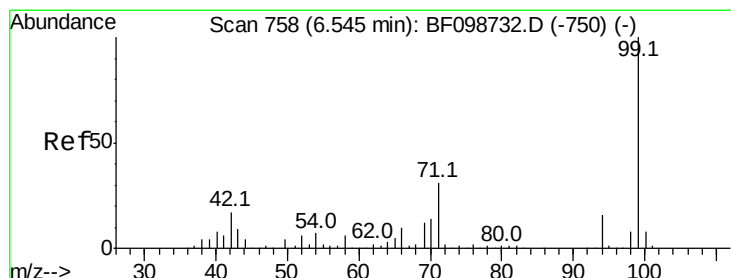
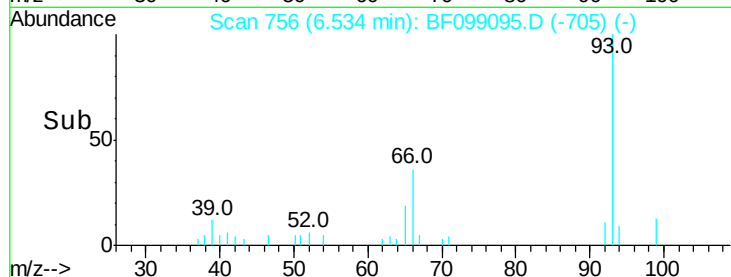
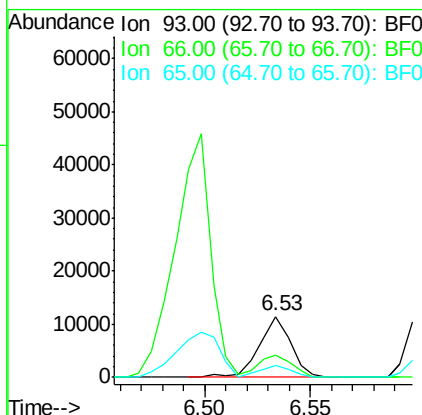
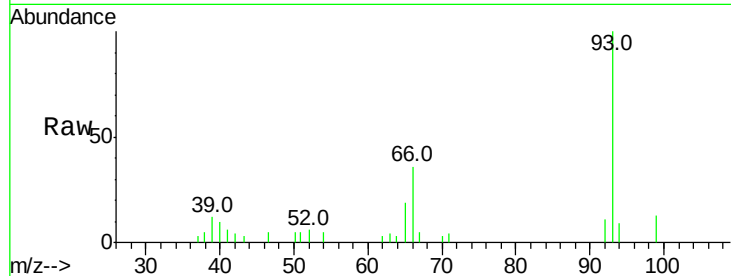
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:	93	Resp:	12050
Ion	Ratio	Lower	Upper
93	100		
66	36.4	32.2	48.2
65	19.4	16.4	24.6

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#7

Phenol-d6

Concen: 138.070 ng

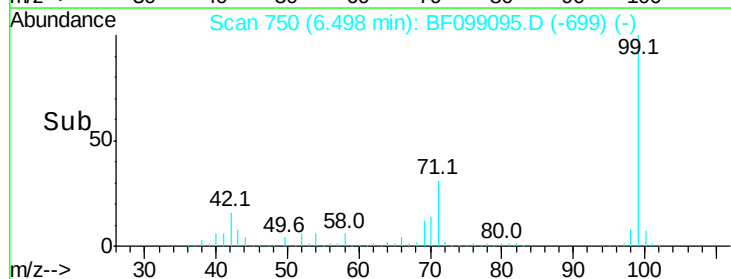
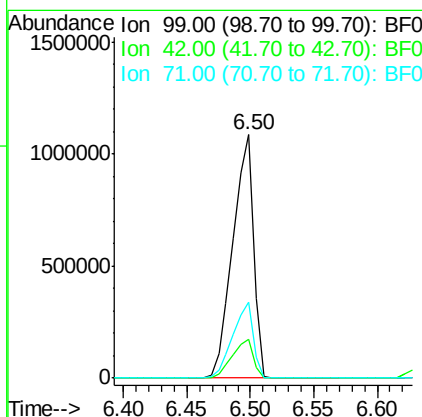
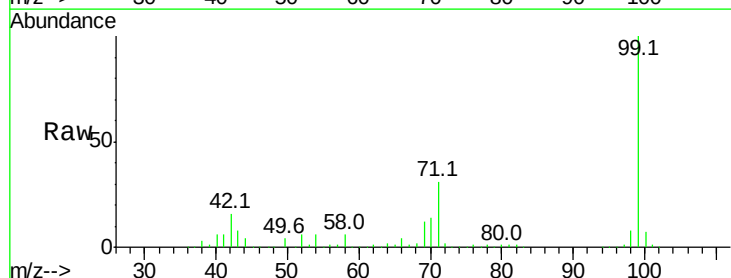
RT: 6.50 min Scan# 750

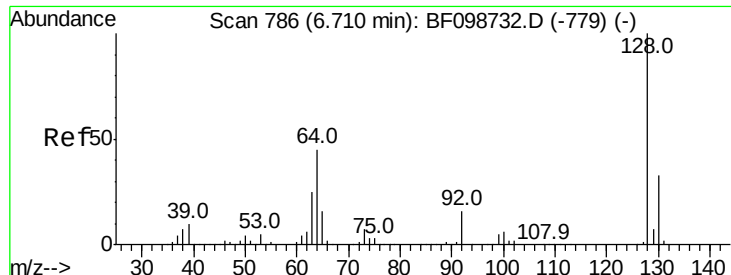
Delta R.T. 0.00 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Tgt Ion:	99	Resp:	1219804
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	31.4	25.4	38.0





#8

2-Chlorophenol

Concen: 1.204 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

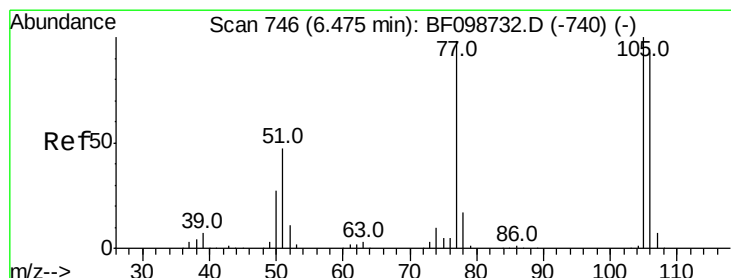
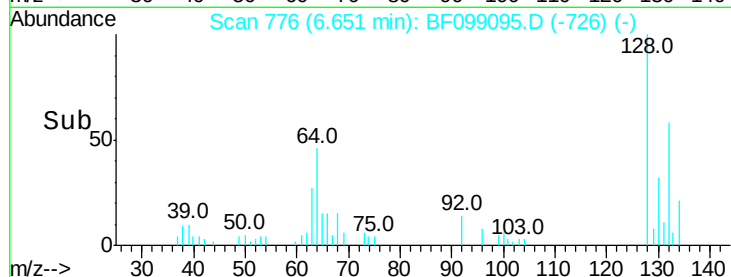
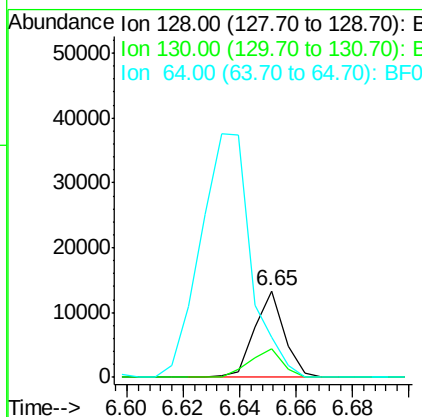
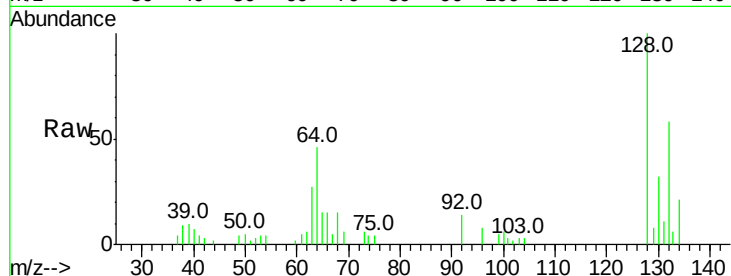
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:	128	Resp:	9761
Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.0	53.0
64	46.0	29.4	69.4

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#9

Benzaldehyde

Concen: 0.801 ng

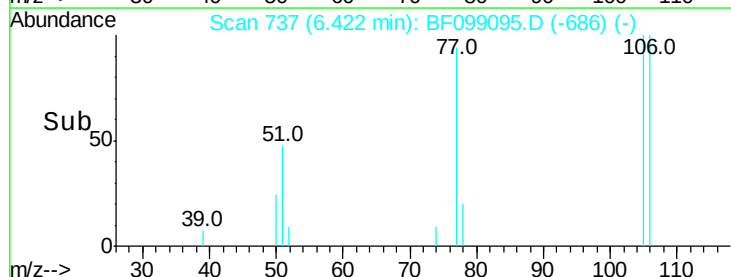
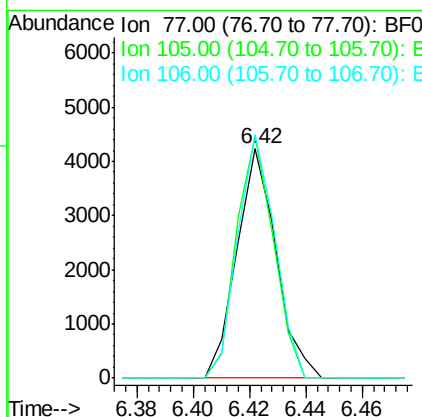
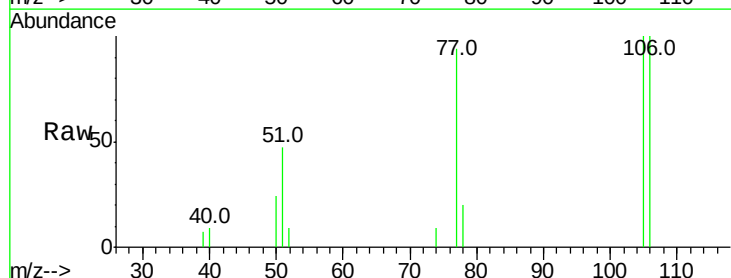
RT: 6.42 min Scan# 737

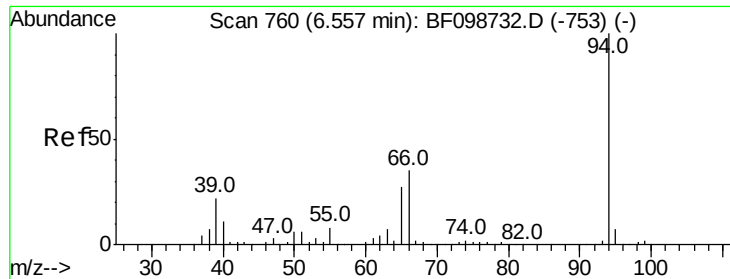
Delta R.T. 0.00 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Tgt Ion:	77	Resp:	4107
Ion	Ratio	Lower	Upper
77	100		
105	106.1	81.1	121.1
106	106.3	74.5	114.5





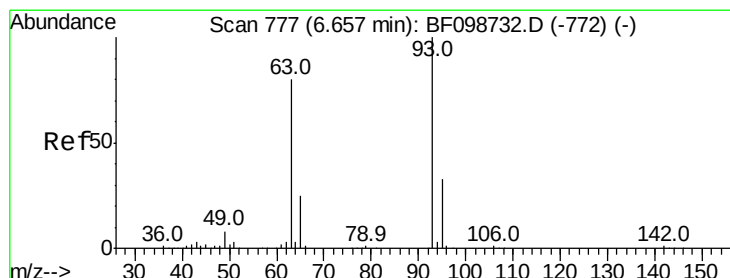
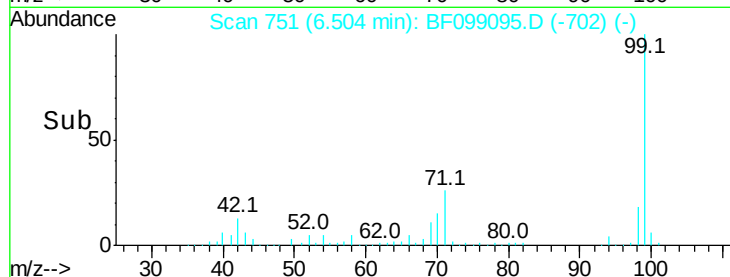
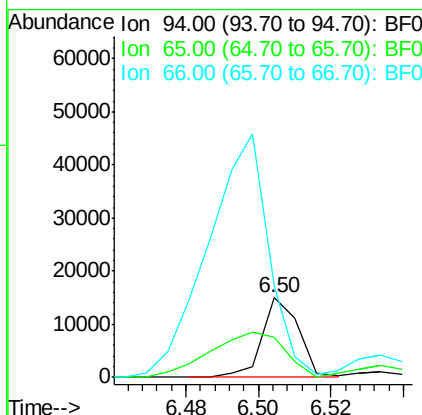
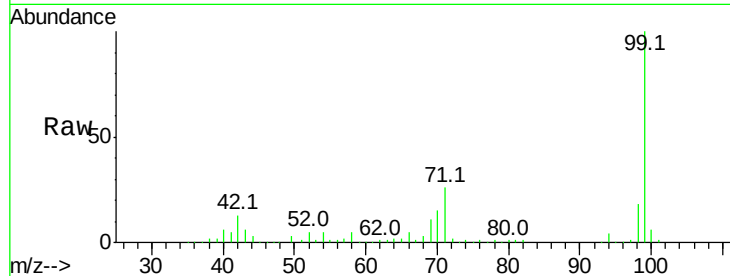
#10
Phenol
Concen: 1.083 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
94	100		
65	49.8	7.9	47.9#
66	115.2	16.2	56.2#

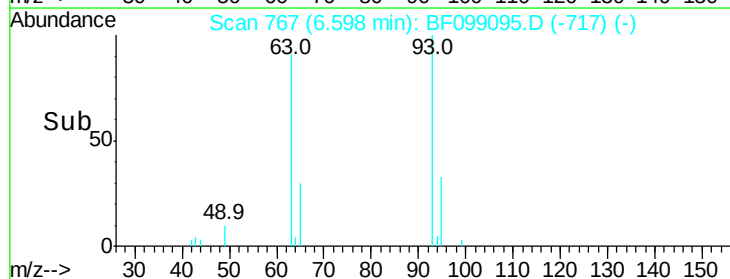
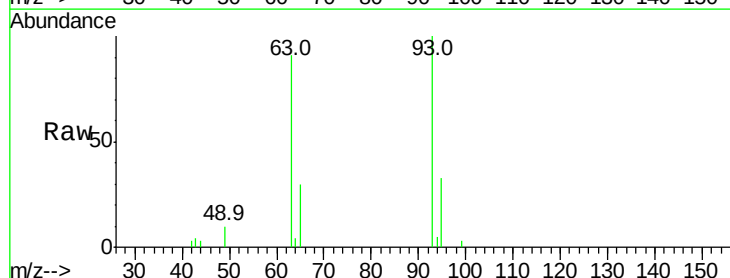
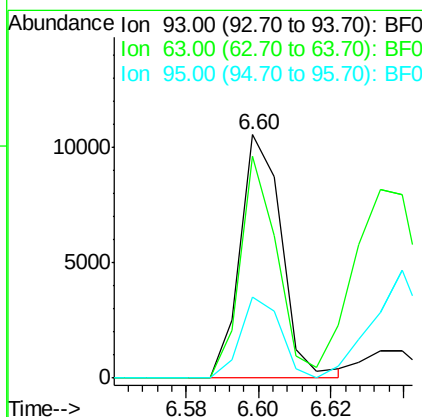
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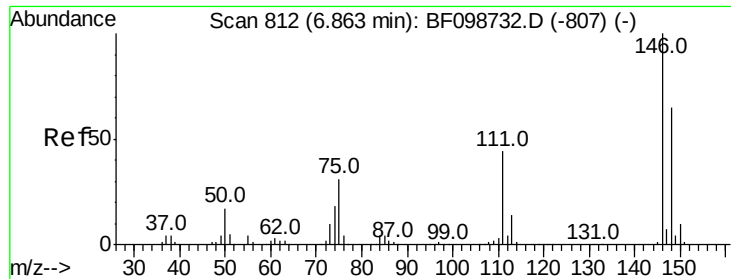
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#11
bis(2-Chloroethyl)ether
Concen: 1.092 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
93	100		
63	91.0	58.6	98.6
95	33.3	11.8	51.8





#12

1,3-Dichlorobenzene

Concen: 1.128 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

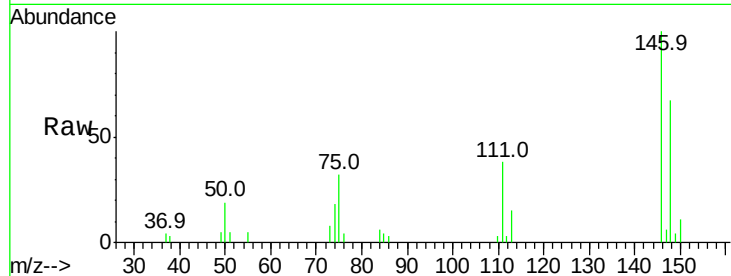
ClientSampleId :

LOD-SOIL-01-QT4-2017

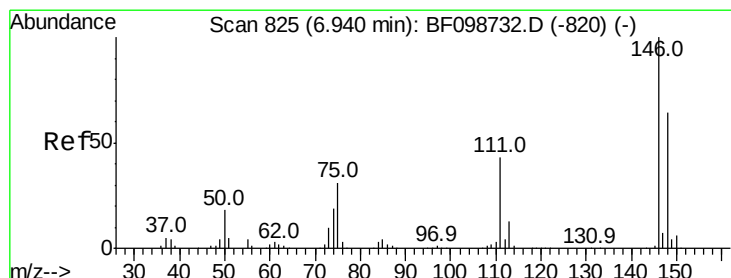
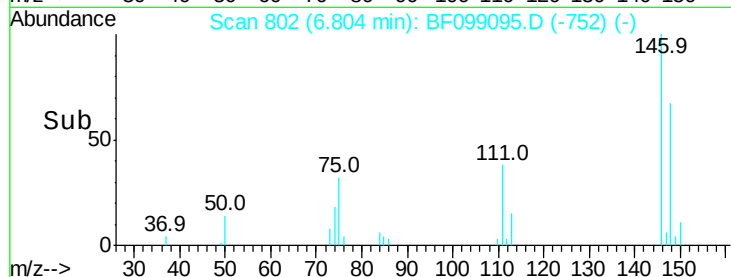
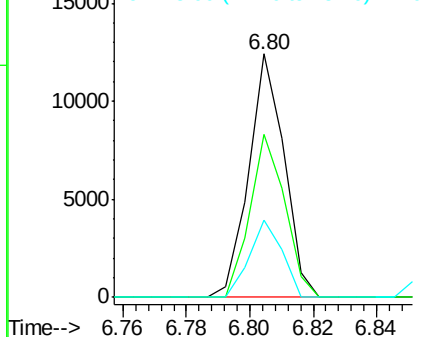
Tot Ion:	146	Resp:	9578
Ion Ratio	Lower	Upper	
146	100		
148	66.8	51.8	77.8
75	31.8	24.2	36.4

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BFO



#13

1,4-Dichlorobenzene

Concen: 1.132 ng

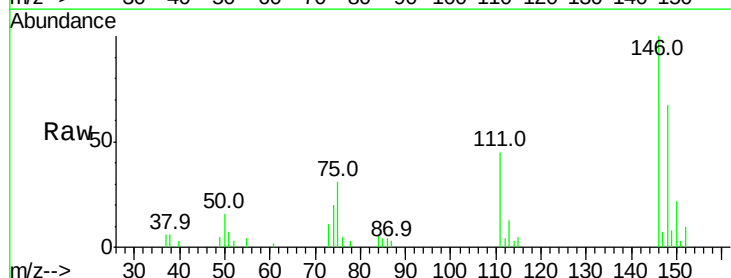
RT: 6.88 min Scan# 815

Delta R.T. -0.01 min

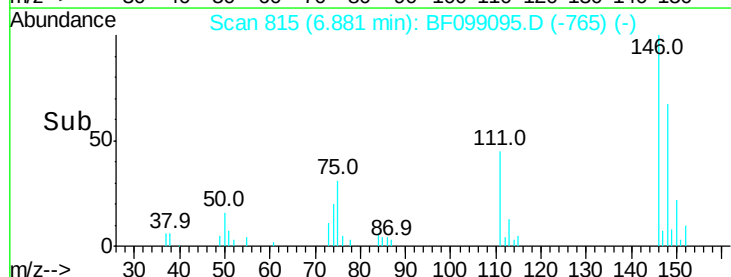
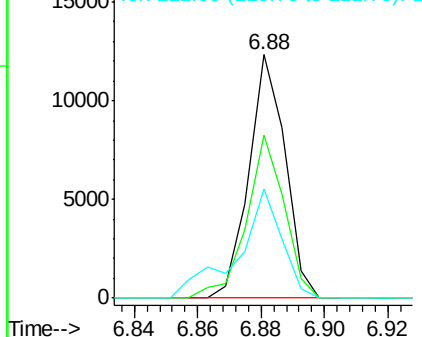
Lab File: BF099095.D

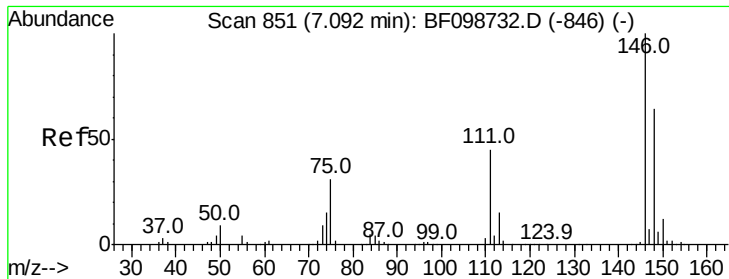
Acq: 5 Oct 2017 10:39

Tgt Ion:	146	Resp:	9785
Ion Ratio	Lower	Upper	
146	100		
148	67.0	50.8	76.2
111	45.0	34.2	51.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 1.171 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

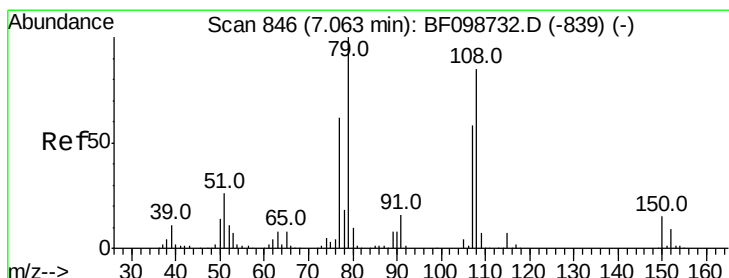
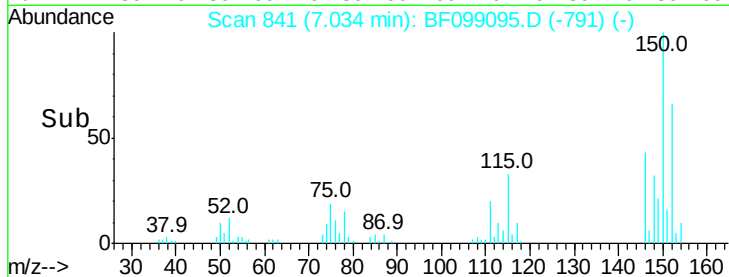
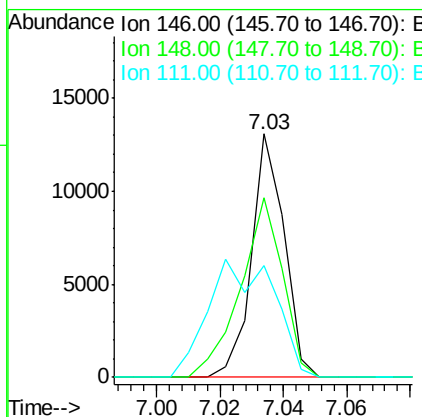
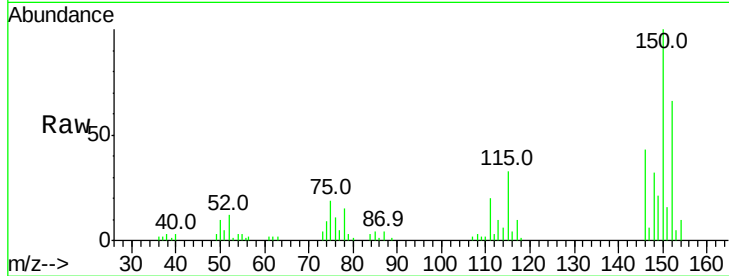
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:	146	Resp:	9353
Ion Ratio	Lower	Upper	
146	100		
148	73.9	50.6	75.8
111	46.0	36.0	54.0

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#15

Benzyl Alcohol

Concen: 2.385 ng

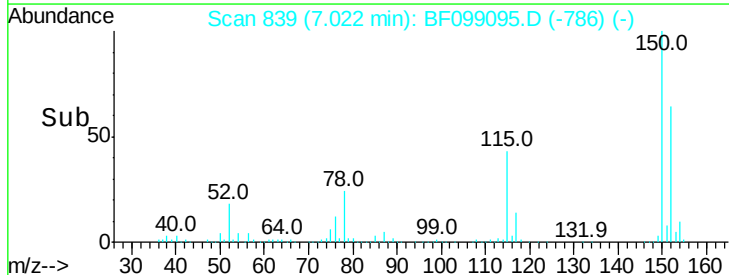
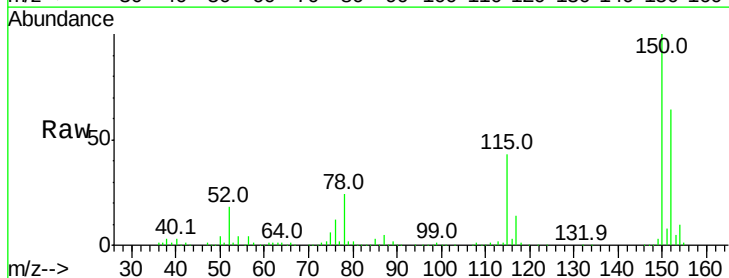
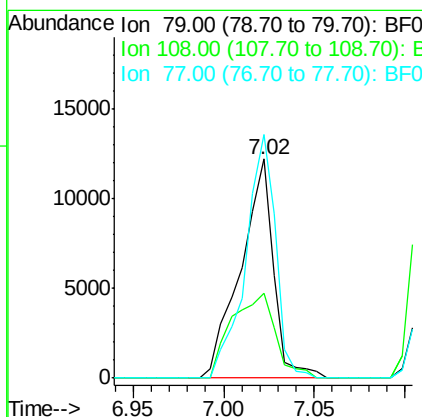
RT: 7.02 min Scan# 839

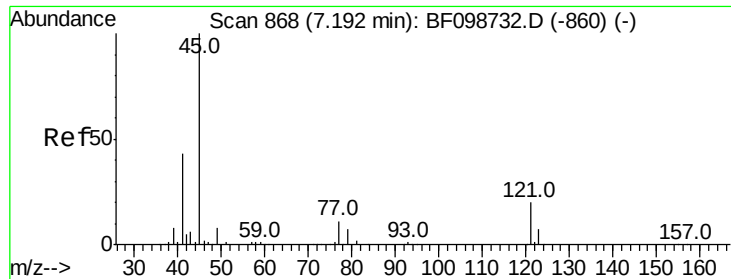
Delta R.T. 0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Tgt Ion:	79	Resp:	15455
Ion Ratio	Lower	Upper	
79	100		
108	38.6	65.1	97.7#
77	111.3	50.6	75.8#





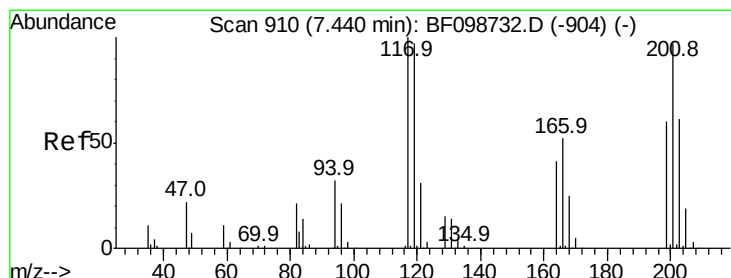
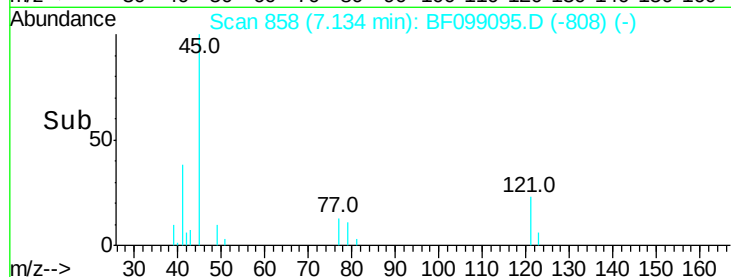
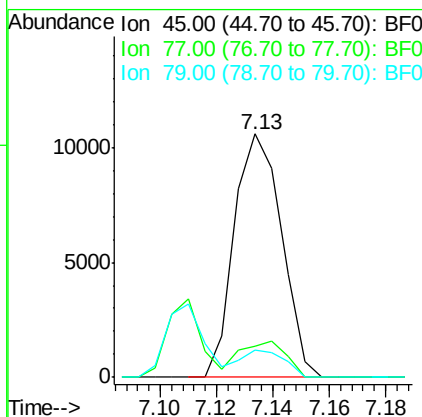
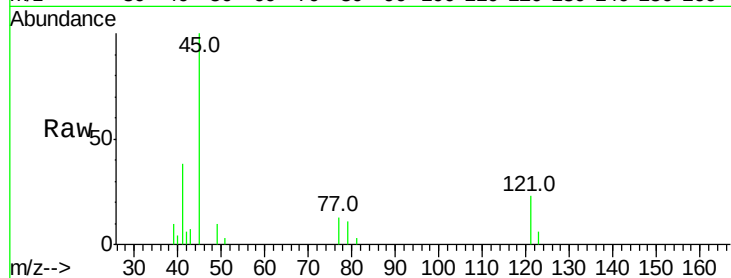
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 1.028 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	32.9
79	11.1	0.0	29.6

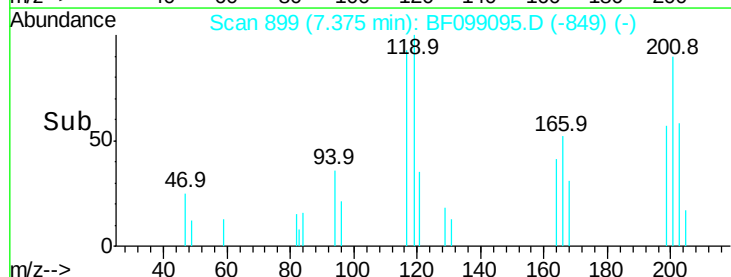
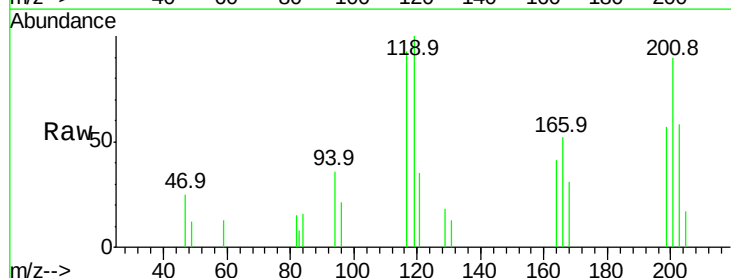
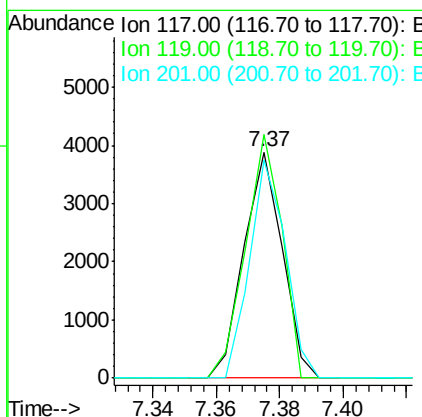
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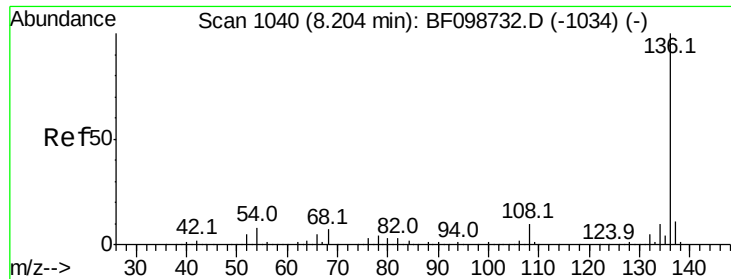
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#18
Hexachloroethane
Concen: 1.051 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	107.7	75.8	113.8
201	96.6	75.7	113.5





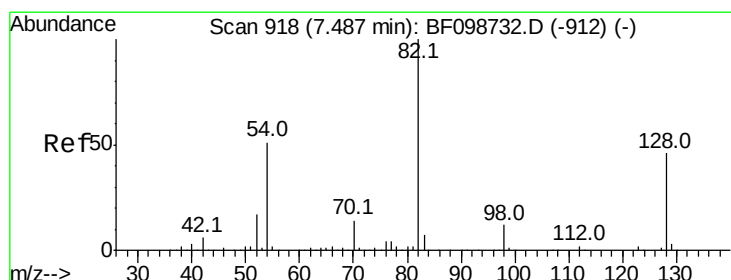
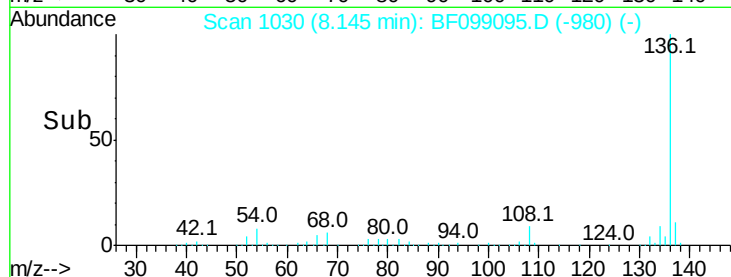
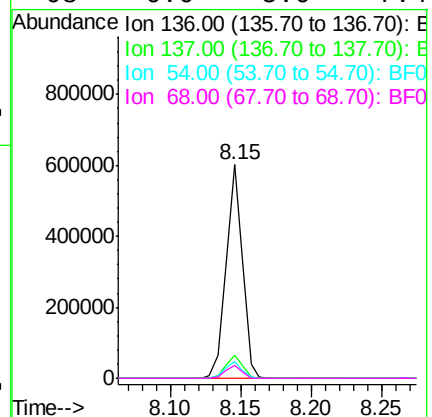
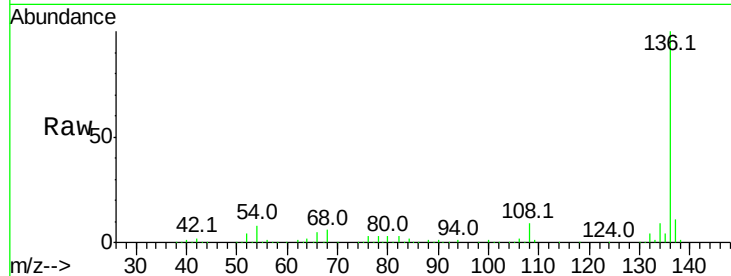
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	7.8	6.6	9.8	
68	6.0	5.0	7.4	

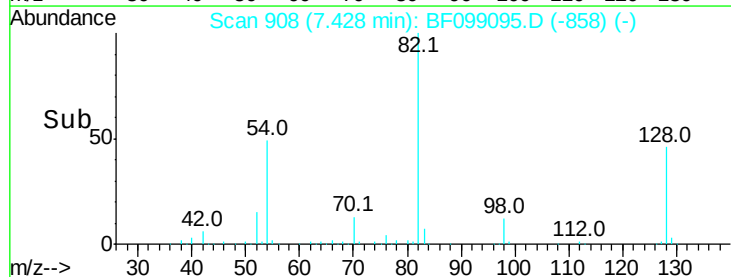
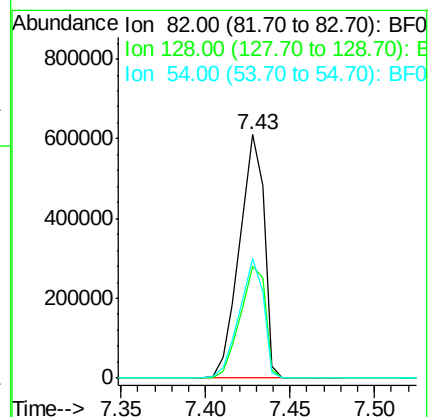
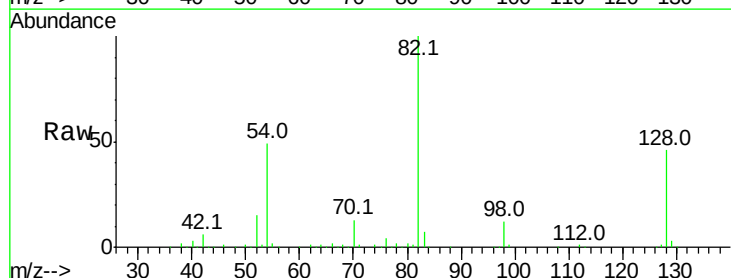
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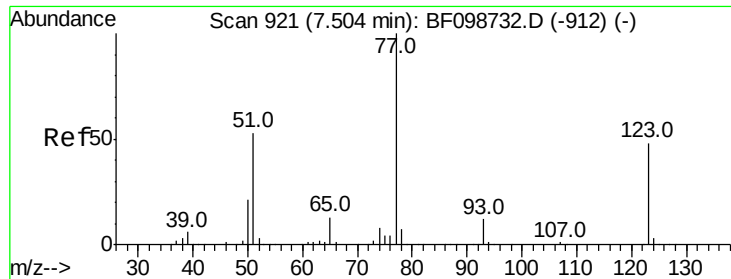
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#23
Nitrobenzene-d5
Concen: 82.955 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	36.1	54.1	
54	48.8	41.4	62.2	





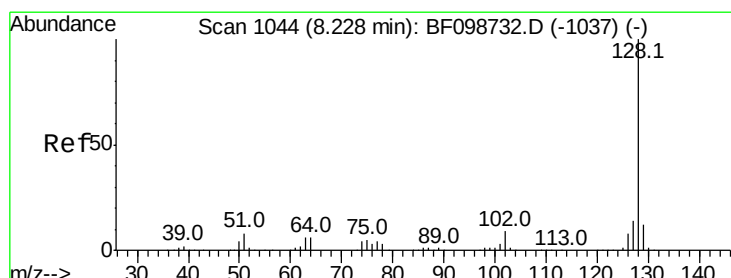
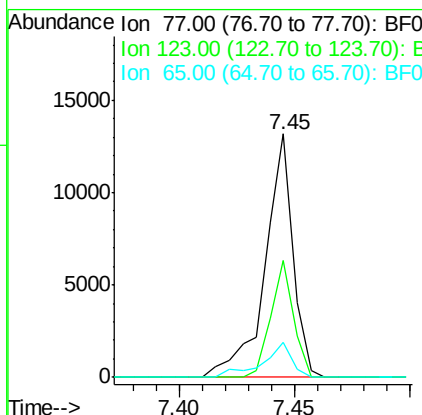
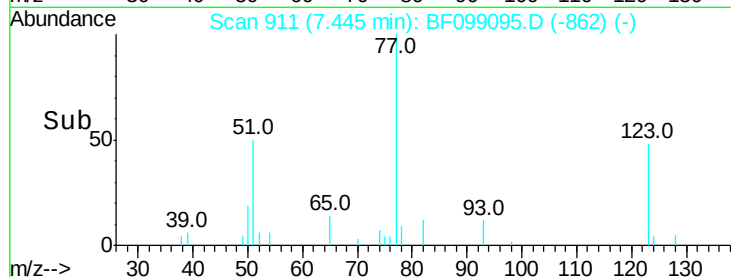
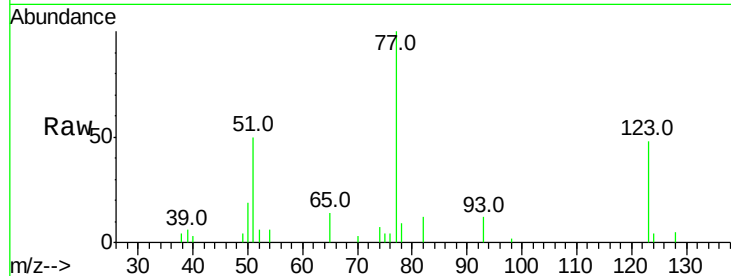
#24
Nitrobenzene
Concen: 1.303 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.9	56.9
65	14.5	11.0	16.4

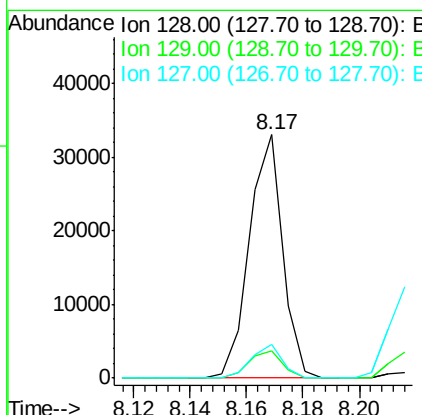
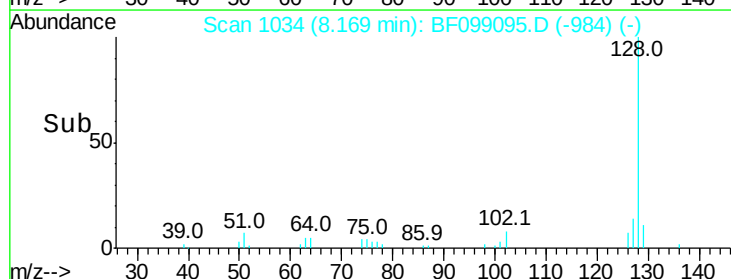
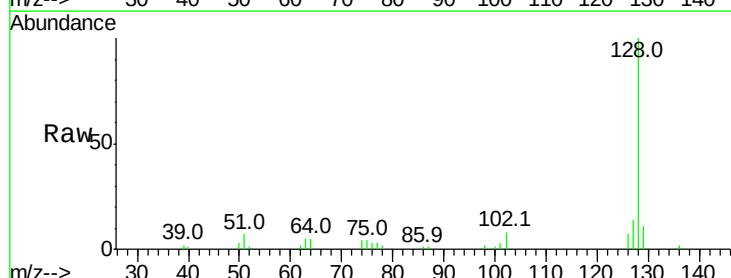
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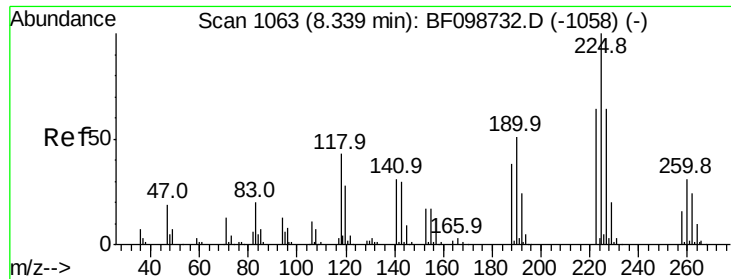
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#31
Naphthalene
Concen: 1.195 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.8	10.9	16.3





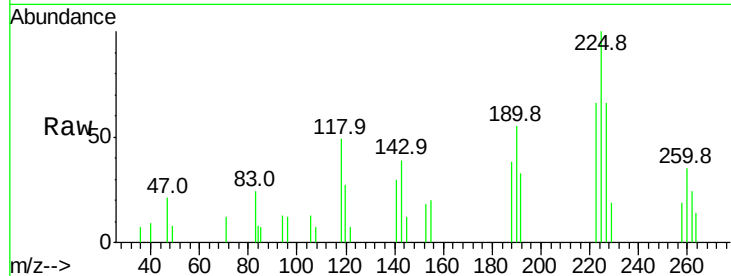
#34
Hexachlorobutadiene
Concen: 1.118 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

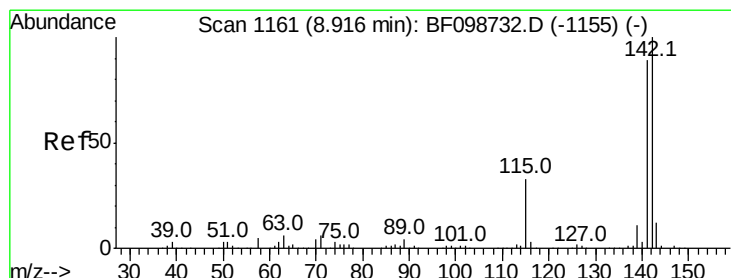
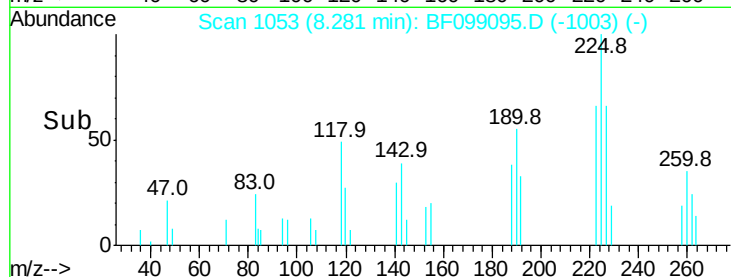
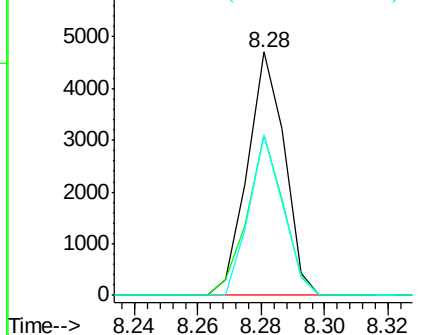
Tot Ion:	225	Resp:	3822
Ion Ratio	Lower	Upper	
225	100		
223	65.8	50.6	76.0
227	66.2	51.9	77.9

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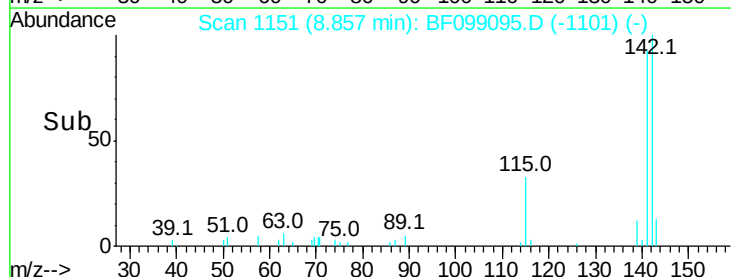
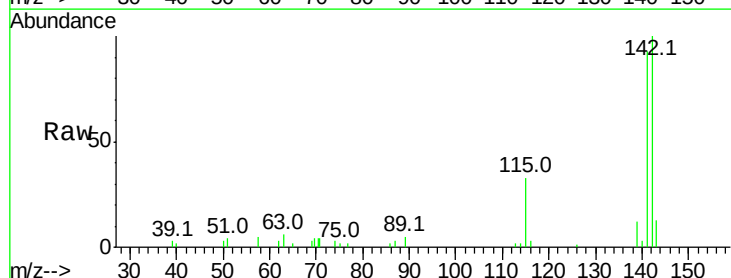
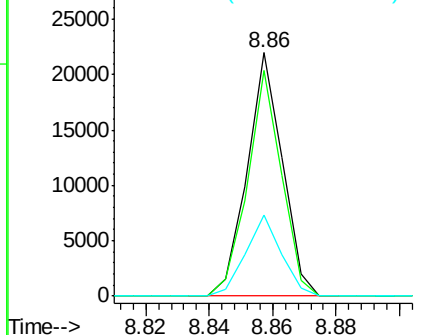
Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

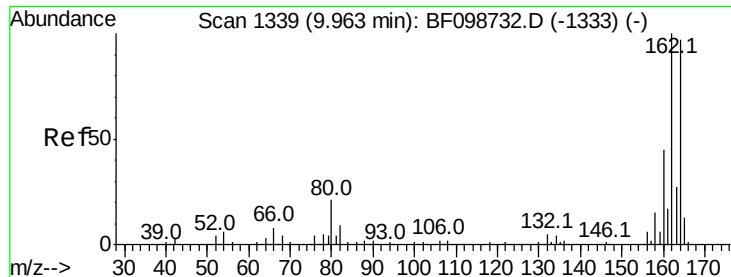


#37
2-Methylnaphthalene
Concen: 1.152 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion:	142	Resp:	16910
Ion Ratio	Lower	Upper	
142	100		
141	92.6	70.8	106.2
115	33.2	26.1	39.1

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





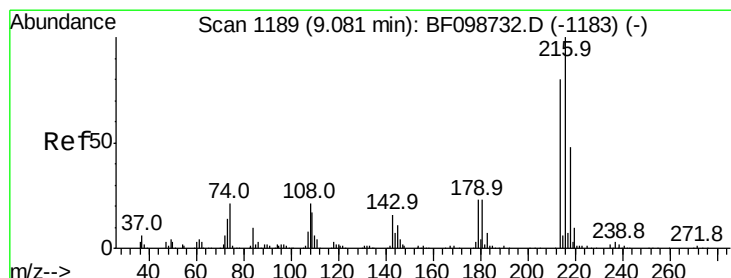
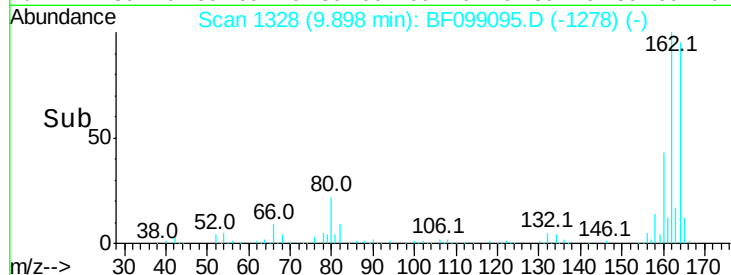
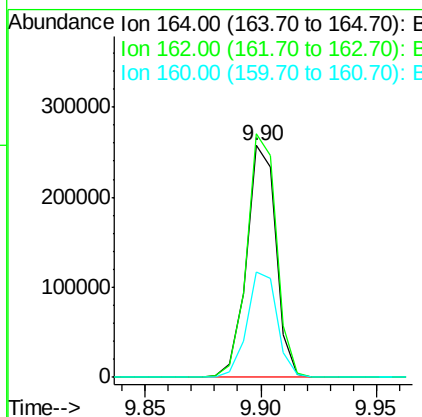
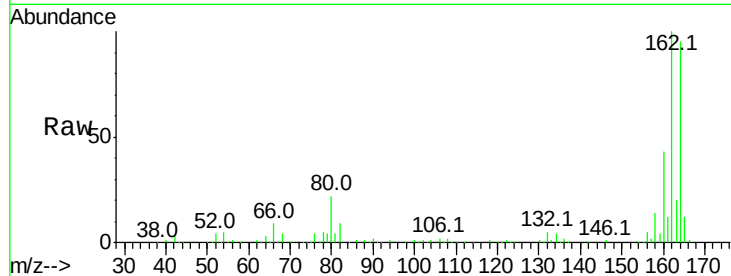
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	45.7	38.3	57.5

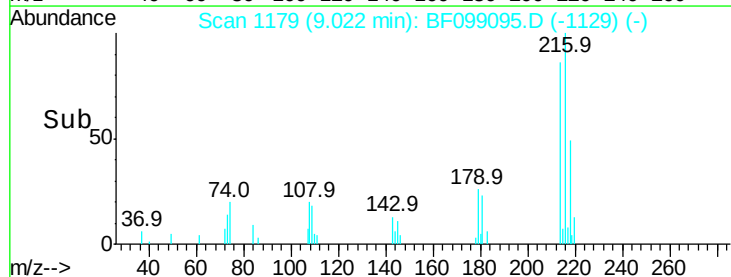
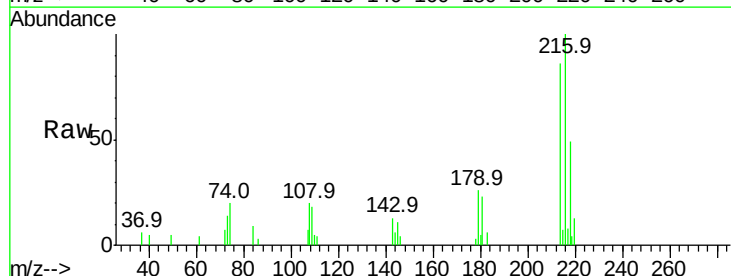
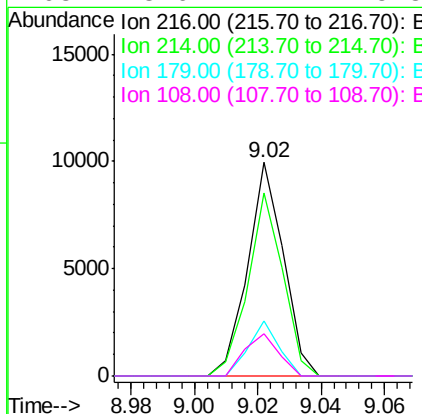
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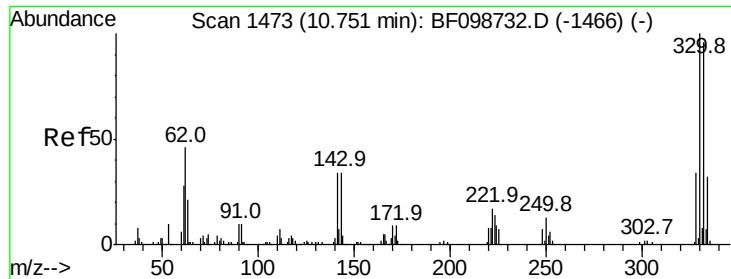
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#39
1,2,4,5-Tetrachlorobenzene
Concen: 1.139 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
216	100		
214	83.5	63.0	94.4
179	21.5	18.1	27.1
108	18.6	17.2	25.8





#41

2,4,6-Tribromophenol

Concen: 146.336 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

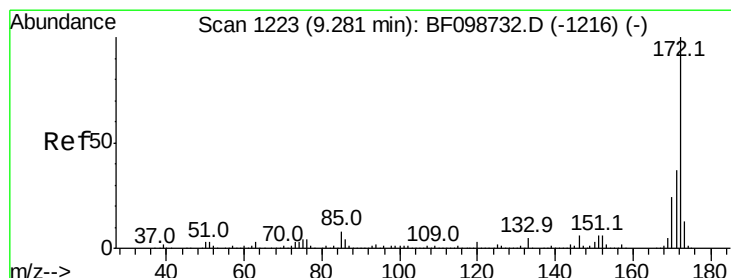
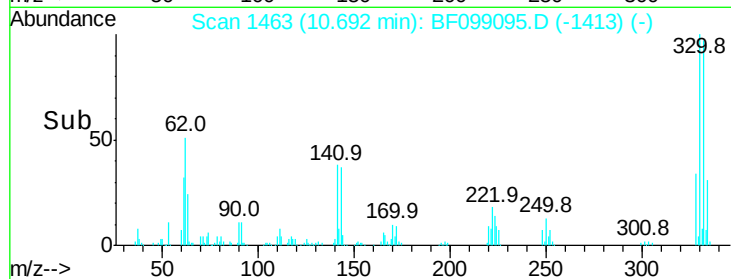
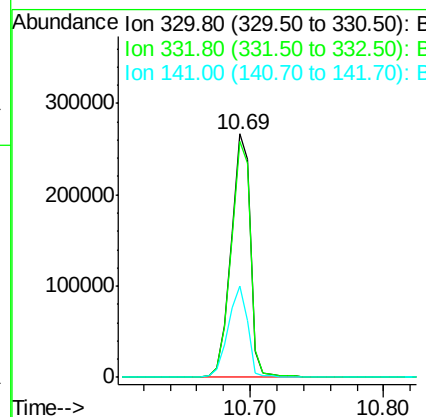
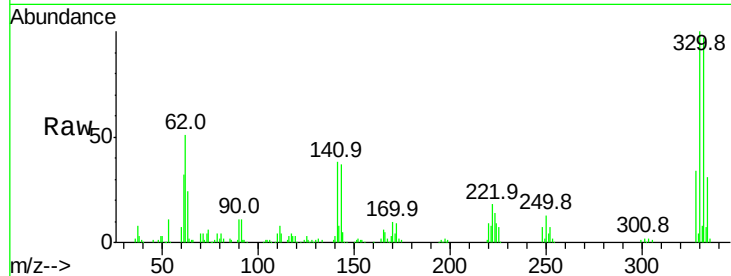
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:	330	Resp:	274796
Ion Ratio	Lower	Upper	
330	100		
332	98.0	77.0	115.6
141	38.0	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 84.201 ng

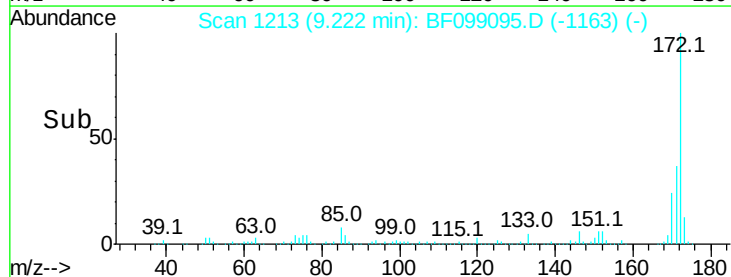
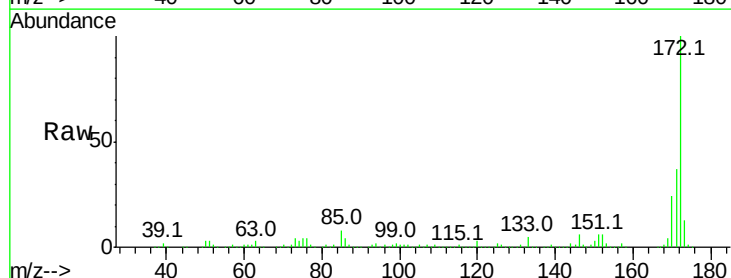
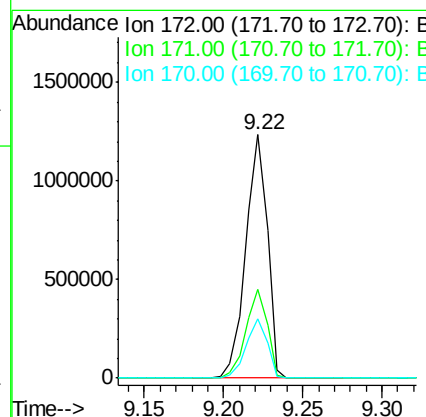
RT: 9.22 min Scan# 1213

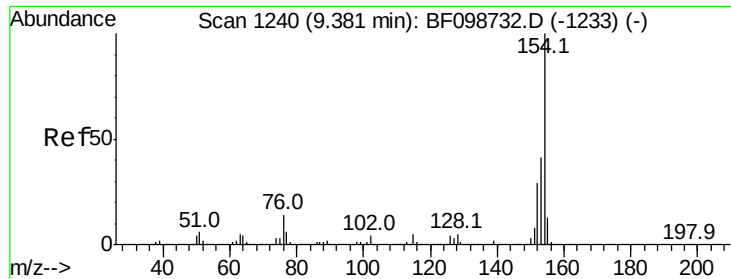
Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Tgt Ion:	172	Resp:	1157479
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.7	44.5
170	24.2	19.6	29.4





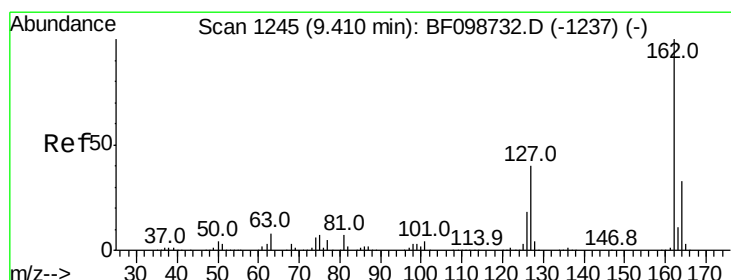
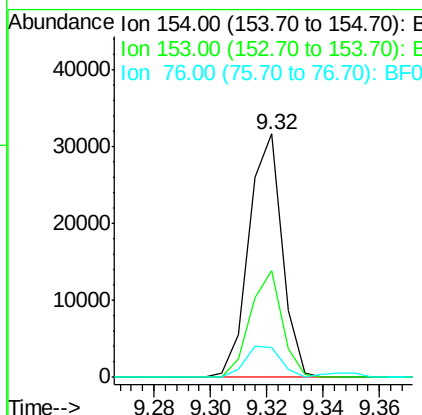
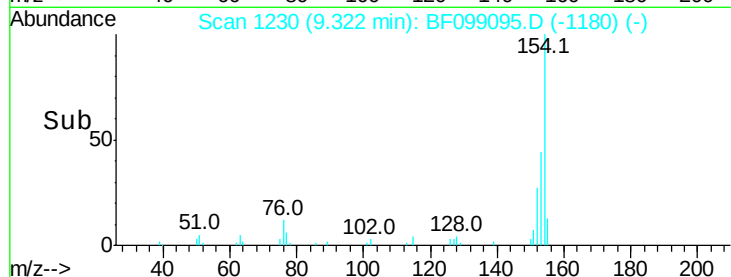
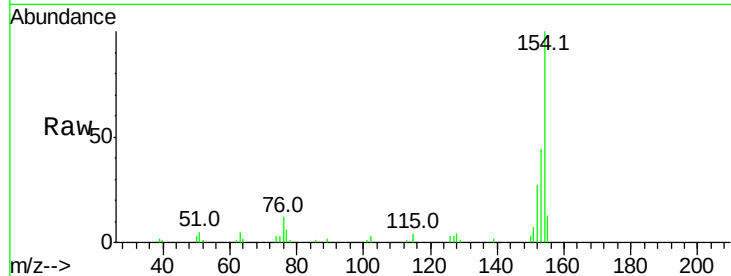
#45
 1,1'-Biphenyl
 Concen: 1.307 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
154	100		
153	43.6	21.3	61.3
76	12.2	0.0	34.0

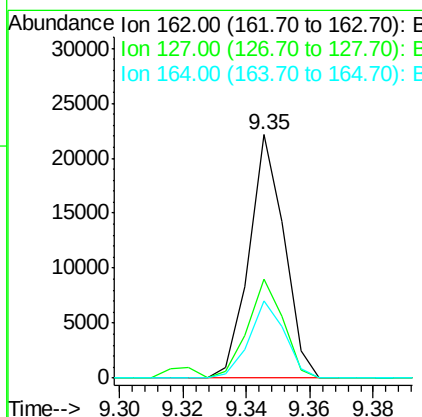
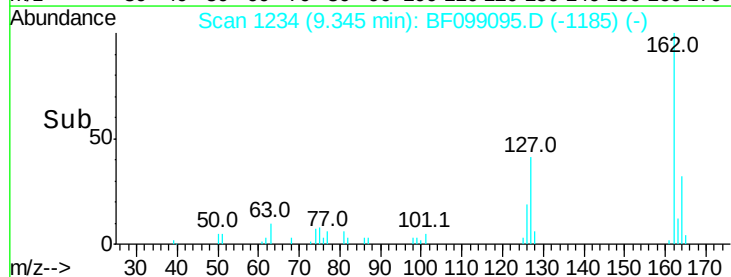
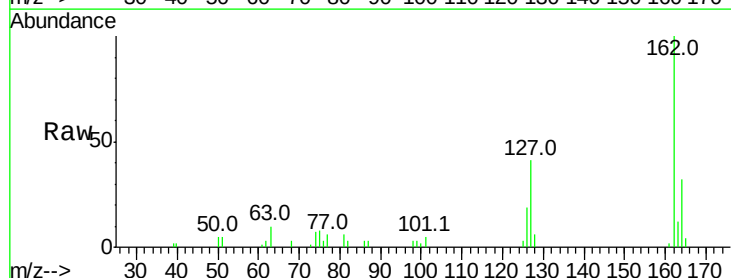
Manual Integrations
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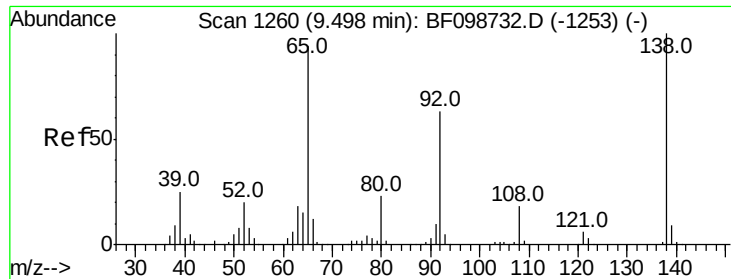
Sohil
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#46
 2-Chloronaphthalene
 Concen: 1.148 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.9	50.9
164	31.7	26.5	39.7





#47

2-Nitroaniline

Concen: 0.869 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

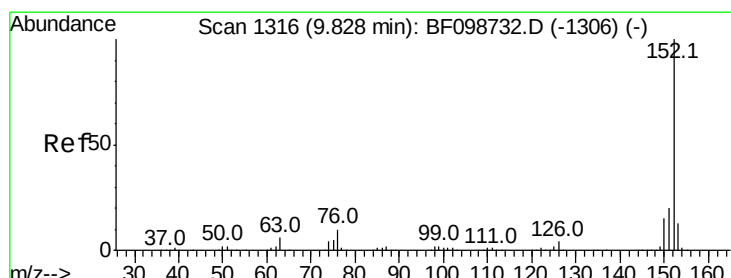
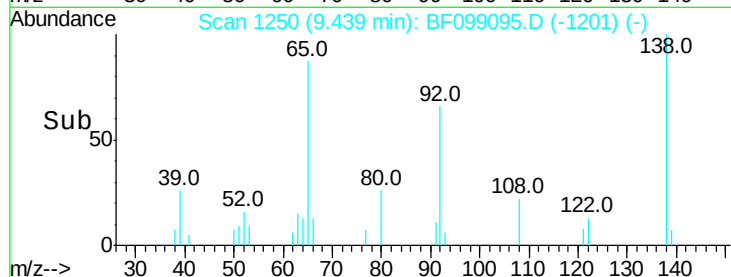
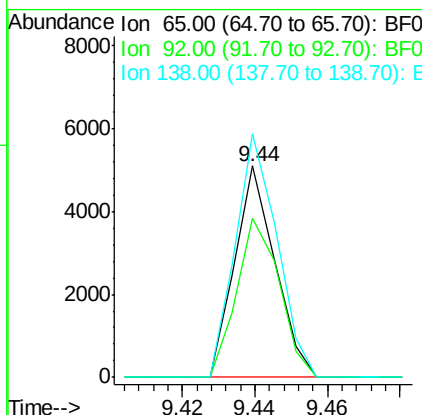
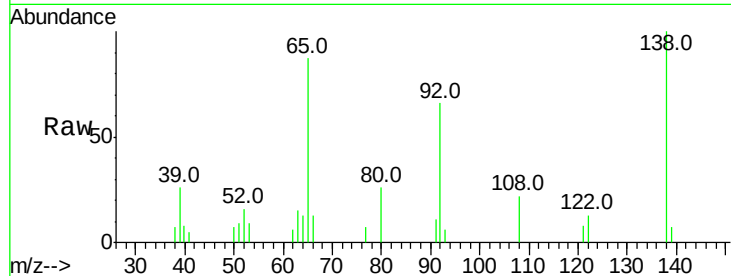
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:	65	Resp:	3939
Ion Ratio	Lower	Upper	
65	100		
92	75.5	55.8	83.6
138	115.2	91.2	136.8

Manual Integrations
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#48

Acenaphthylene

Concen: 1.126 ng

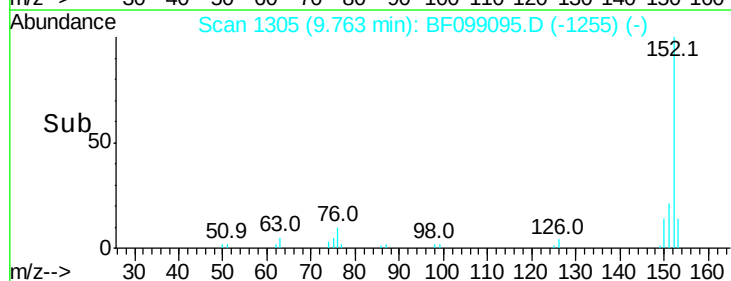
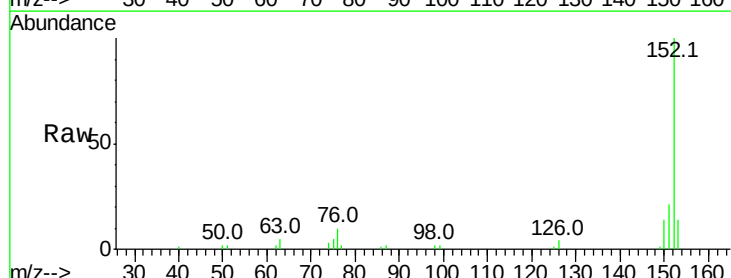
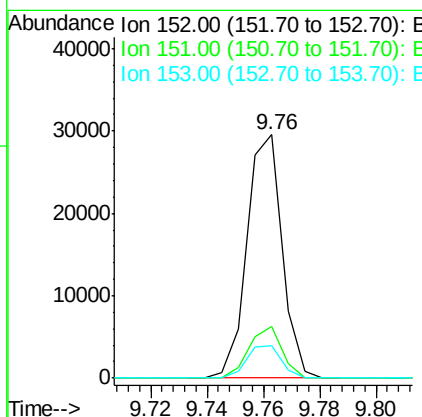
RT: 9.76 min Scan# 1305

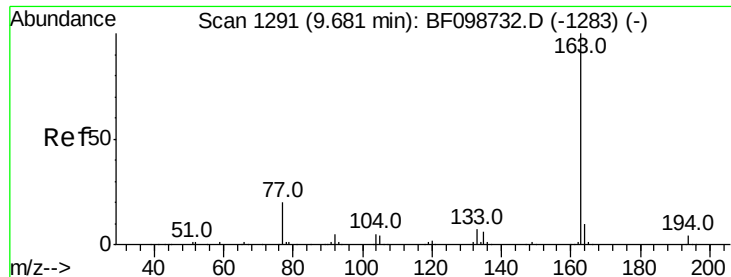
Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Tgt Ion:	152	Resp:	25521
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.3	24.5
153	13.5	10.7	16.1





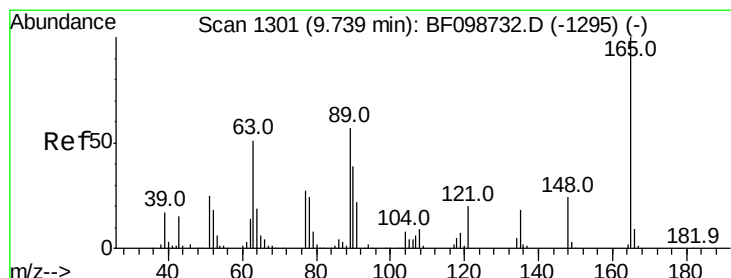
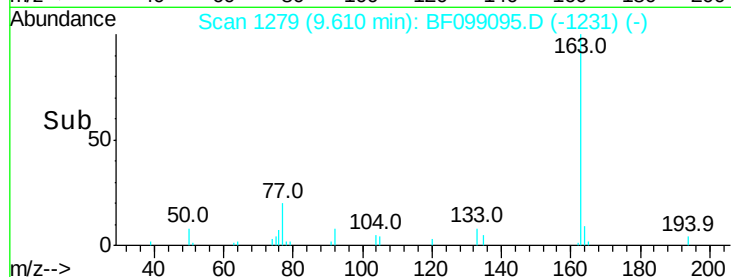
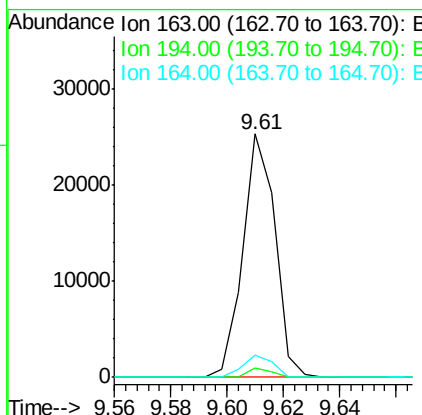
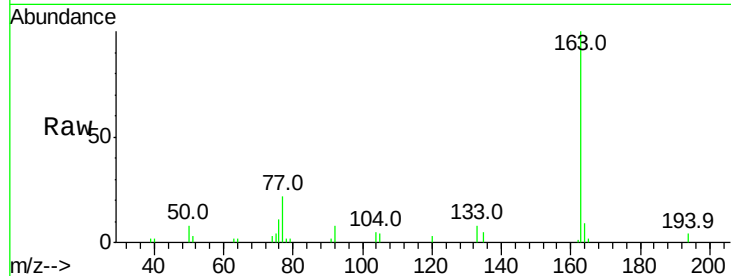
#49
 Dimethylphthalate
 Concen: 1.157 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.02 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.3	8.2	12.2

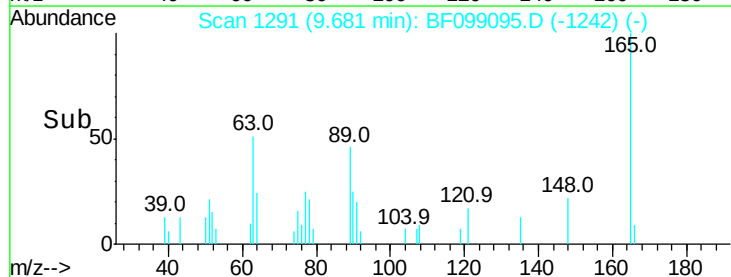
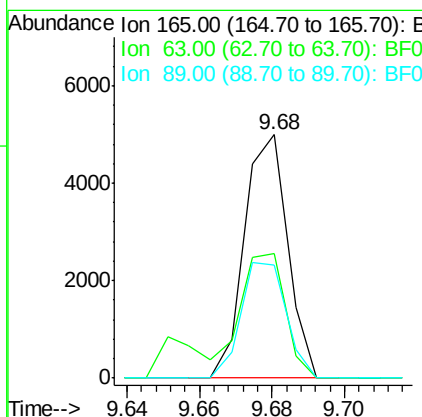
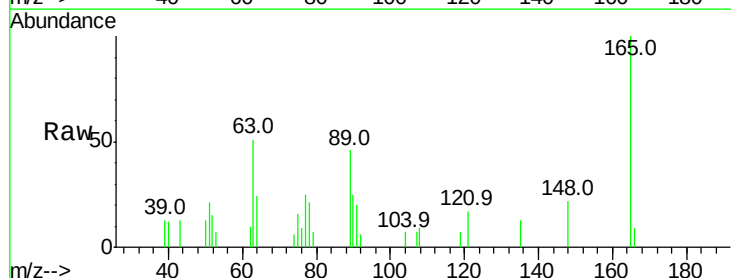
Manual Integrations
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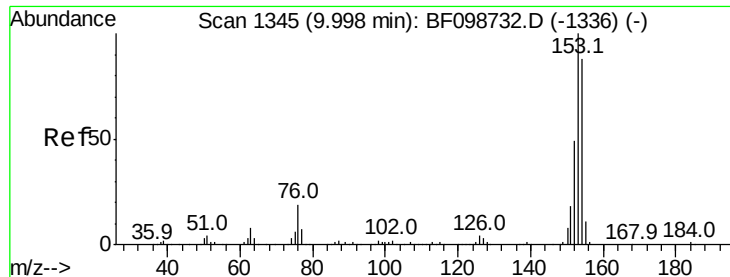
Sohil
 10/6/2017 5:34:46 PM



#50
 2,6-Dinitrotoluene
 Concen: 1.089 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	50.9	44.7	67.1
89	46.2	44.0	66.0





#51

Acenaphthene

Concen: 1.092 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

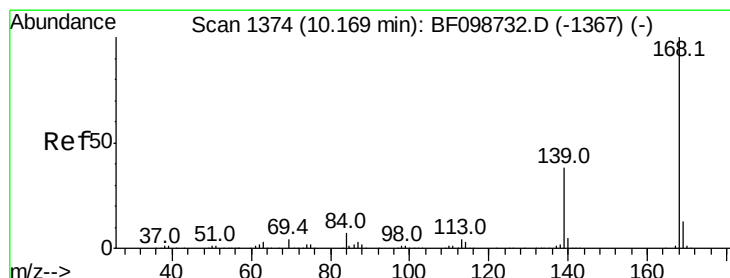
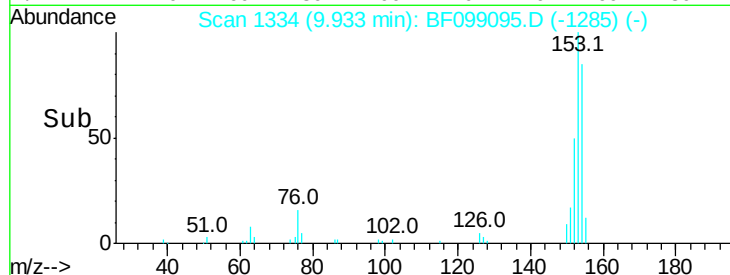
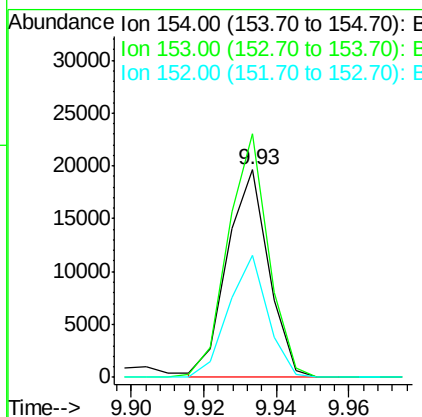
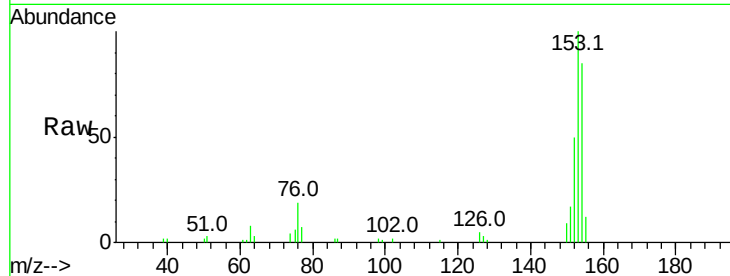
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:	154	Resp:	15678
Ion Ratio	Lower	Upper	
154	100		
153	117.3	91.2	136.8
152	58.7	43.8	65.8

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#54

Dibenzofuran

Concen: 1.196 ng

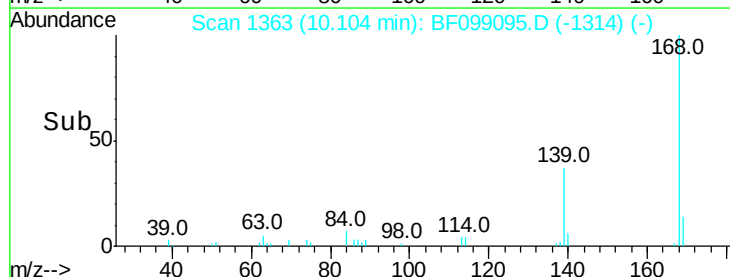
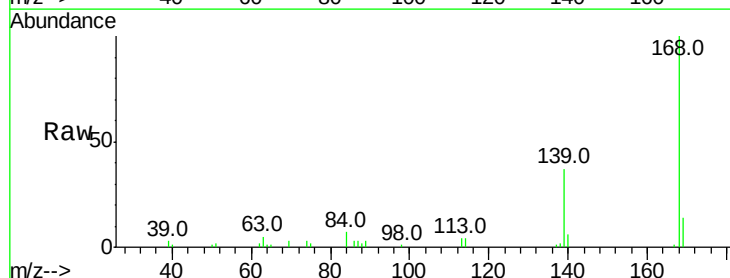
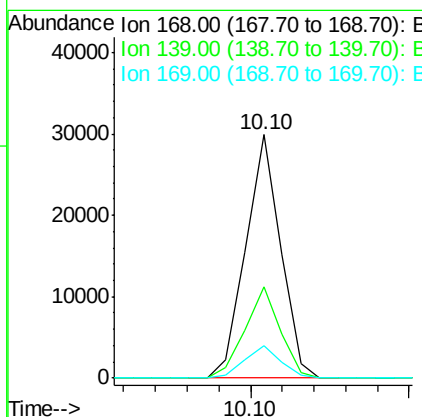
RT: 10.10 min Scan# 1363

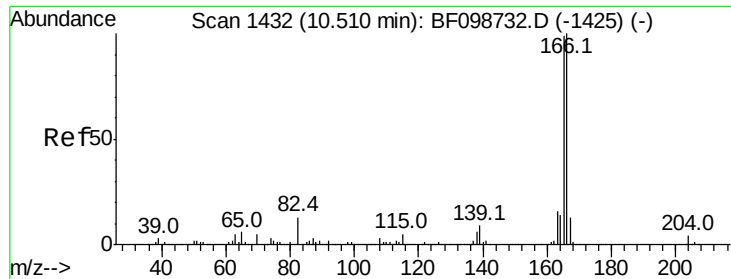
Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Tgt Ion:	168	Resp:	22861
Ion Ratio	Lower	Upper	
168	100		
139	37.4	30.1	45.1
169	13.6	10.9	16.3





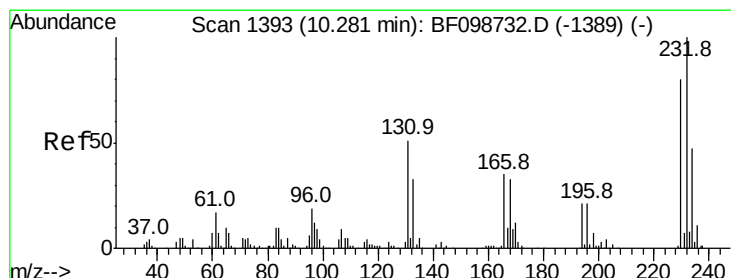
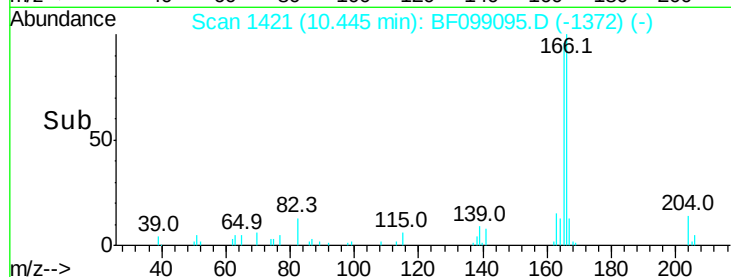
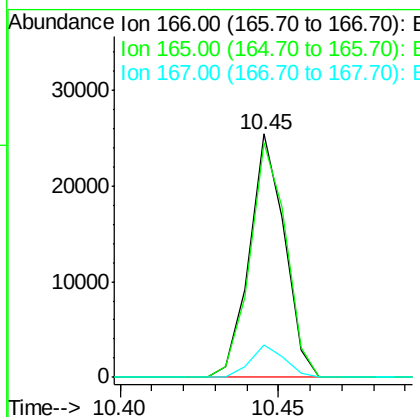
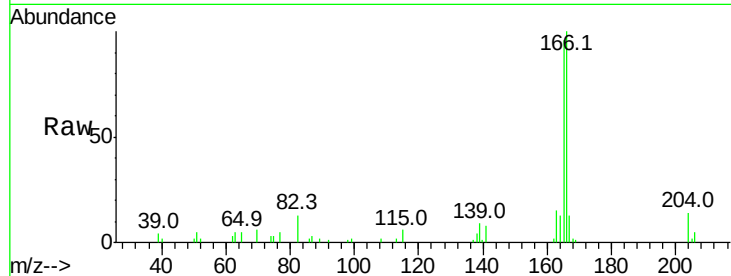
#57
Fluorene
 Concen: 1.274 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.5	79.8	119.8	
167	13.3	10.6	16.0	

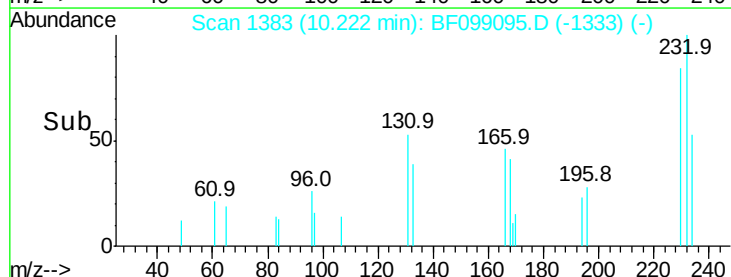
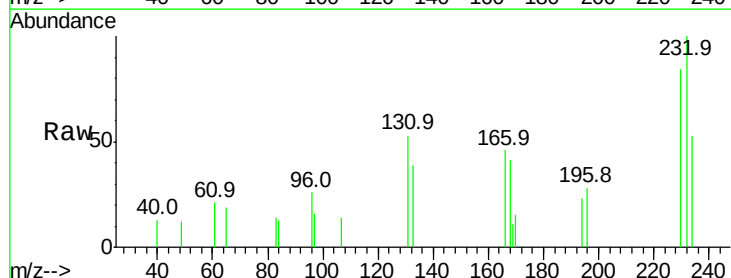
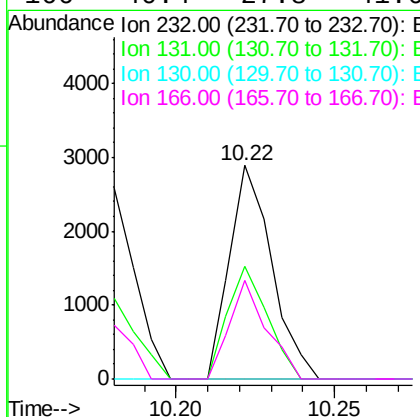
Manual Integrations
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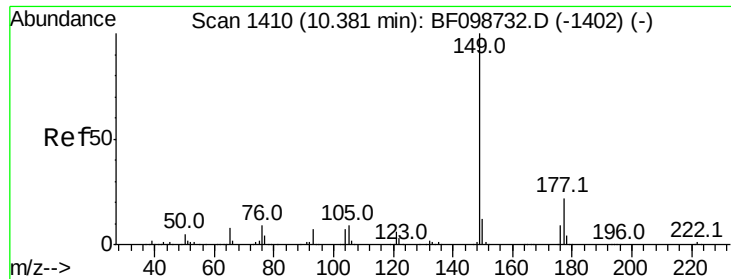
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 0.797 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	49.5	43.8	65.8	
130	0.0	2.1	3.1#	
166	40.4	27.8	41.6	





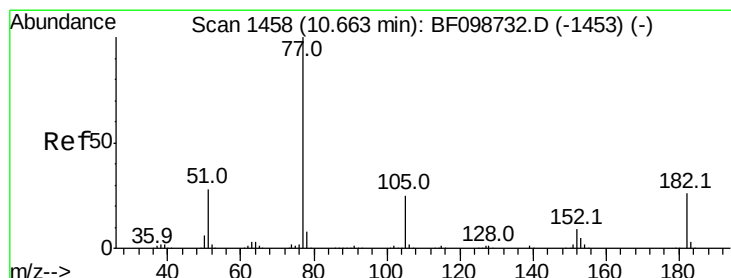
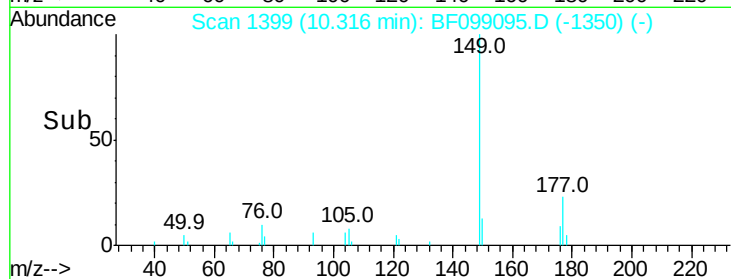
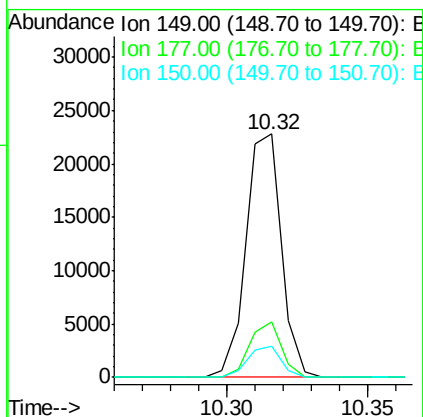
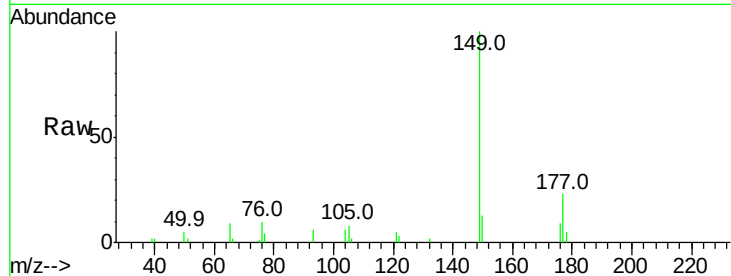
#59
Diethylphthalate
Concen: 1.172 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.8	16.1	24.1
150	12.8	10.1	15.1

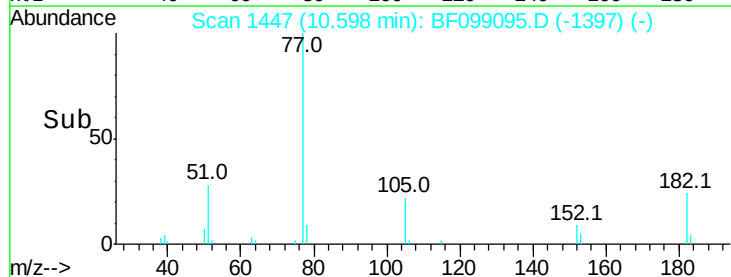
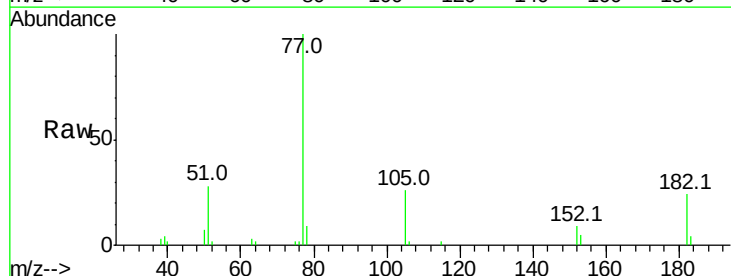
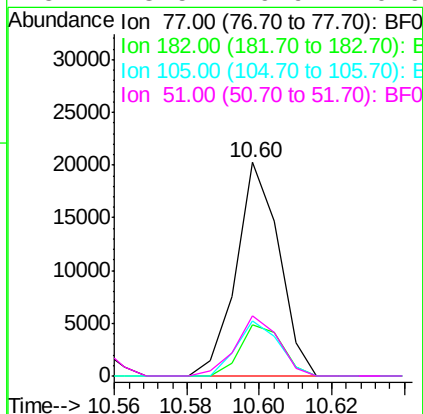
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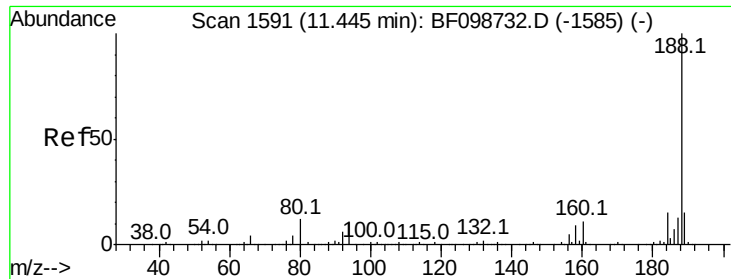
Sohil
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#62
Azobenzene
Concen: 1.071 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.8	1.7	41.7
105	25.6	3.0	43.0
51	28.5	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

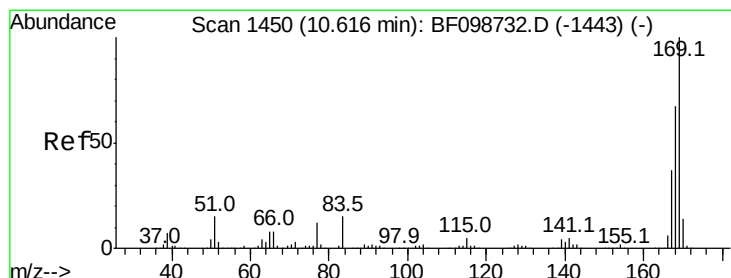
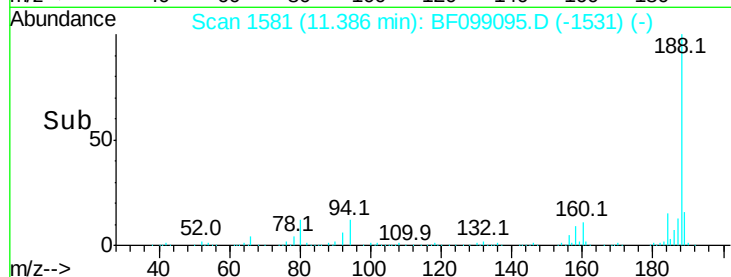
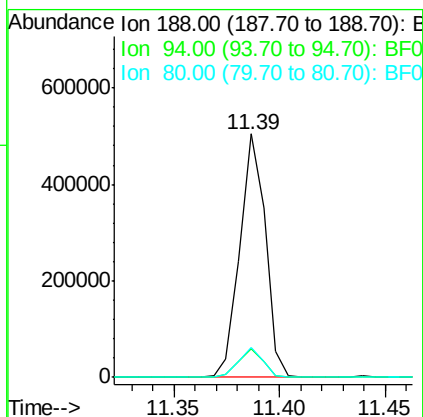
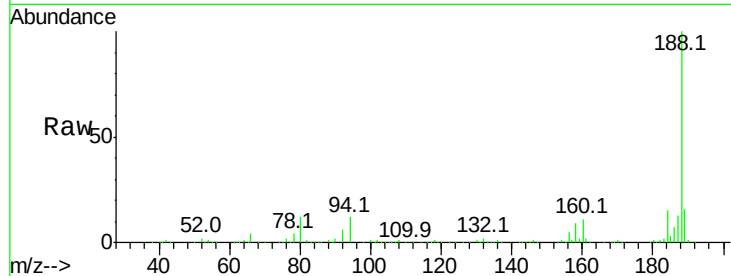
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:	188	Resp:	422329
Ion Ratio	Lower	Upper	
188	100		
94	11.6	8.5	12.7
80	12.2	9.2	13.8

Manual Integrations
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#65

n-Nitrosodiphenylamine

Concen: 1.126 ng

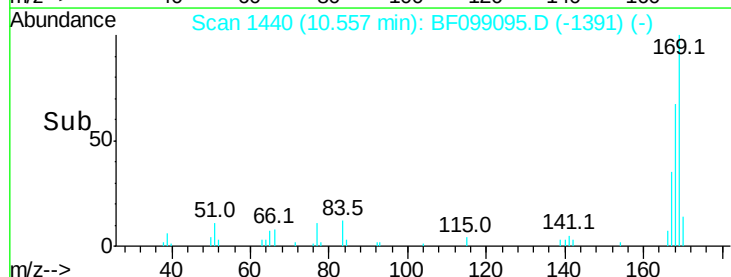
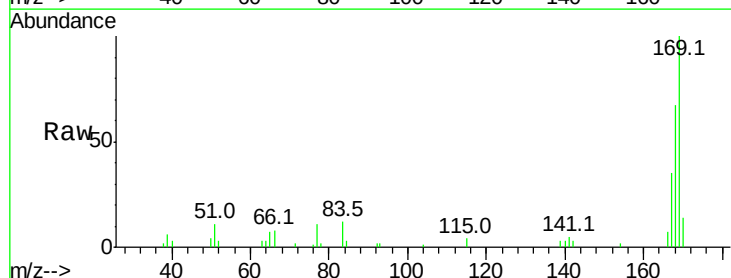
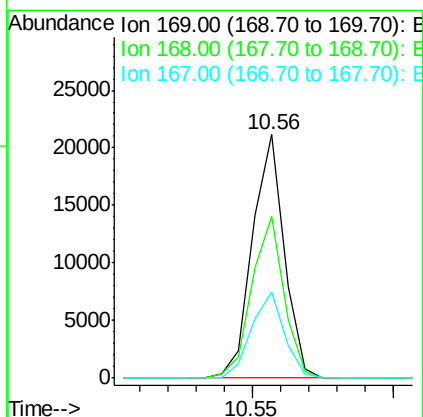
RT: 10.56 min Scan# 1440

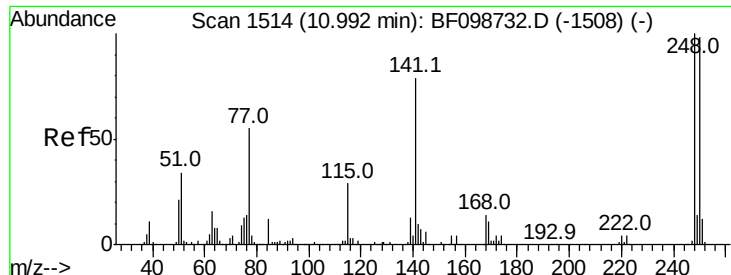
Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Tgt Ion:	169	Resp:	16481
Ion Ratio	Lower	Upper	
169	100		
168	66.5	54.4	81.6
167	35.3	29.8	44.6





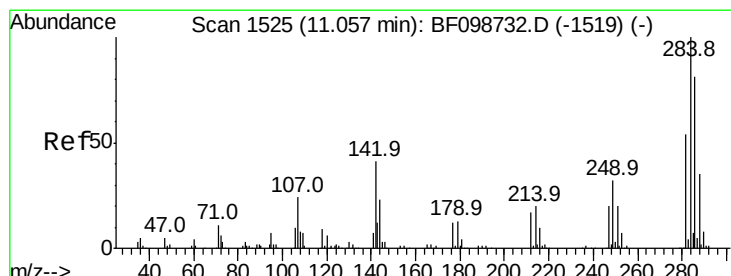
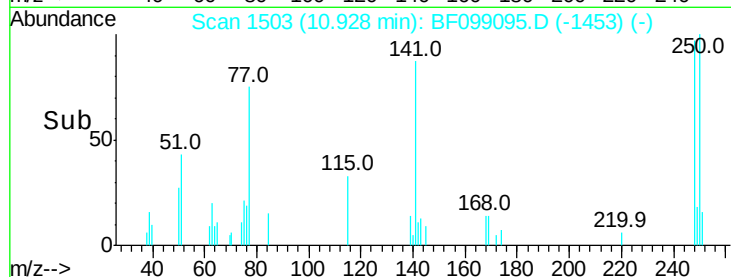
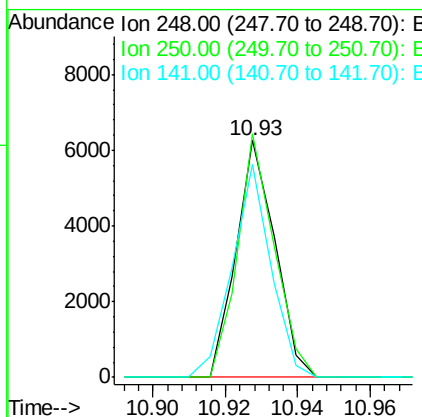
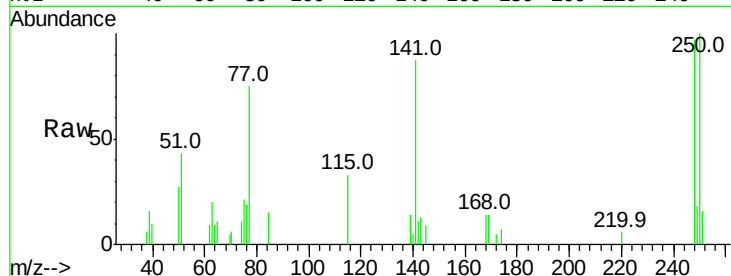
#66
 4-Bromophenyl-phenylether
 Concen: 1.129 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
248	100		
250	102.9	76.9	115.3
141	90.0	74.4	111.6

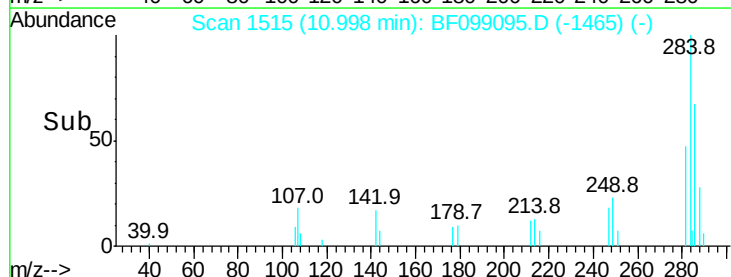
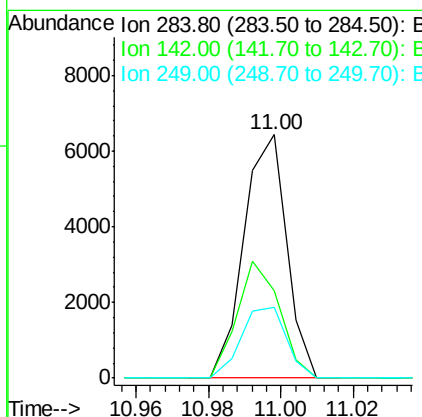
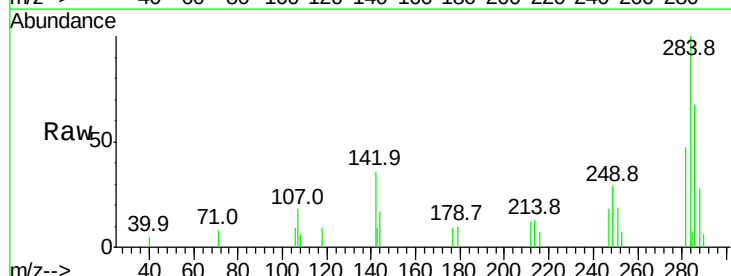
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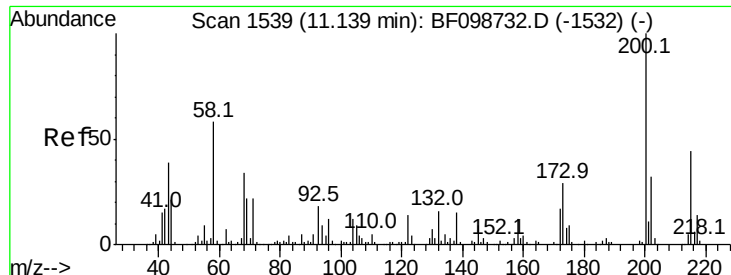
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#67
 Hexachlorobenzene
 Concen: 1.190 ng
 RT: 11.00 min Scan# 1515
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.8	34.6	52.0
249	28.9	24.8	37.2





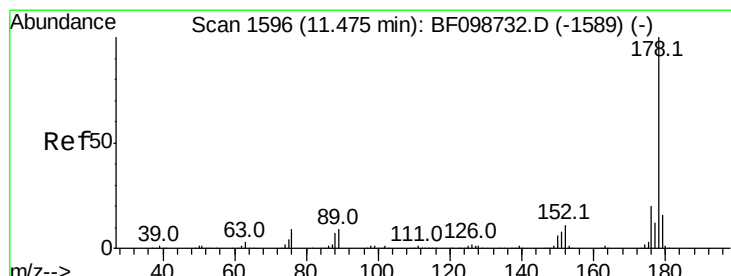
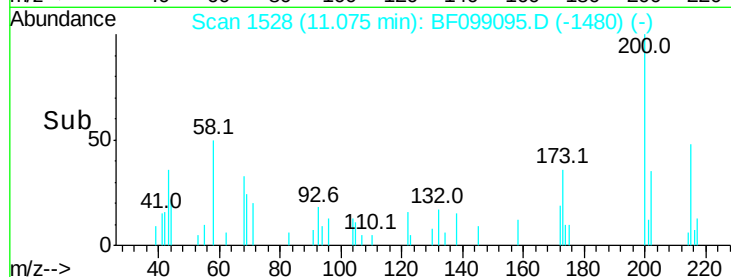
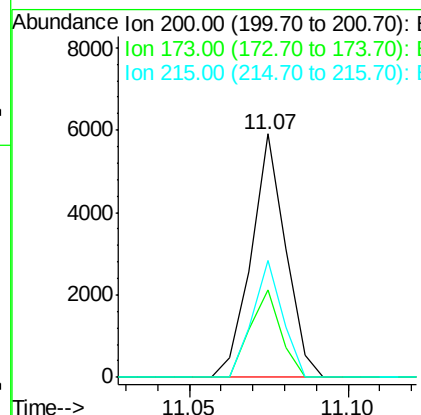
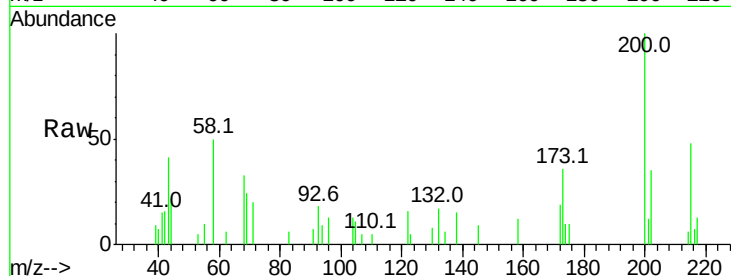
#68
 Atrazine
 Concen: 1.009 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. -0.02 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
200	100		
173	35.8	8.6	48.6
215	47.9	25.1	65.1

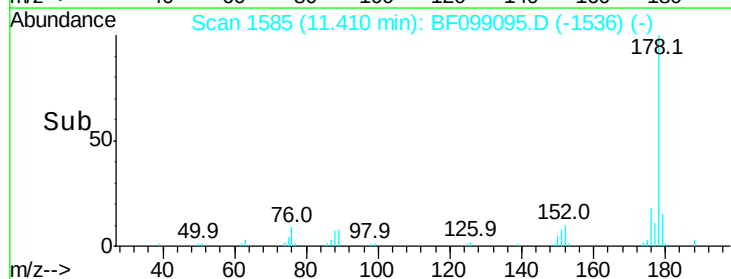
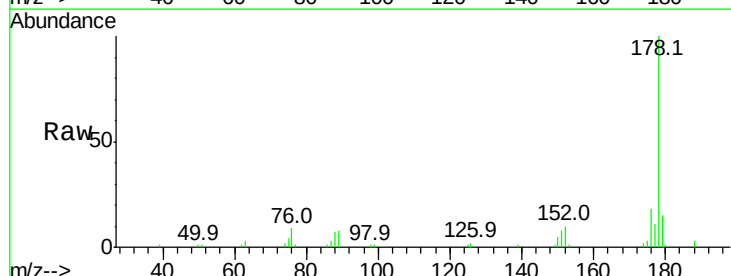
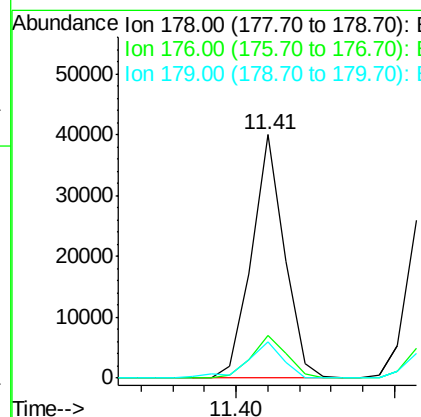
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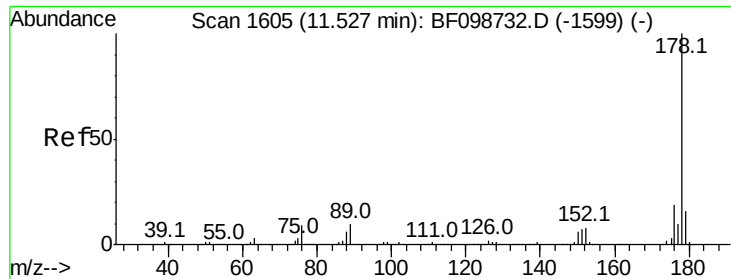
Sohil
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#70
 Phenanthrene
 Concen: 1.263 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	15.1	13.0	19.6





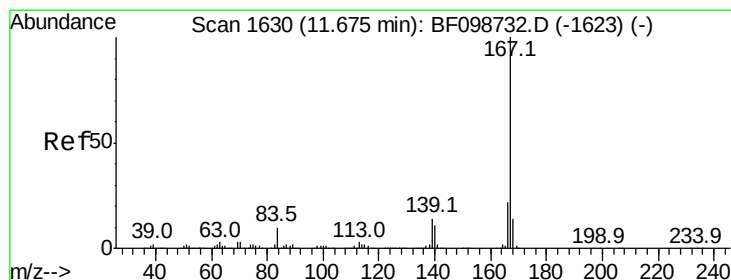
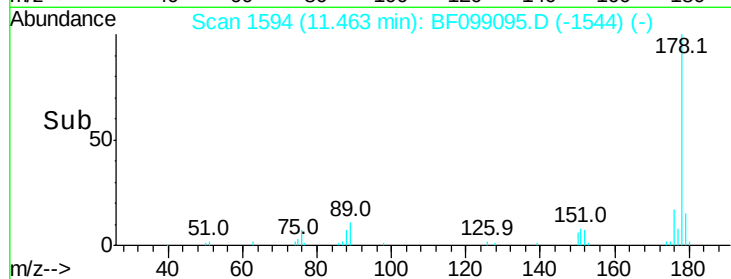
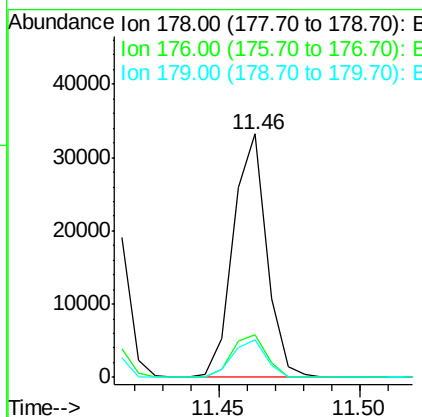
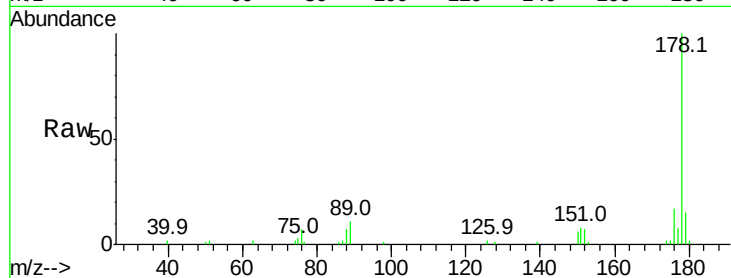
#71
 Anthracene
 Concen: 1.181 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.4	23.2
179	15.2	12.6	19.0

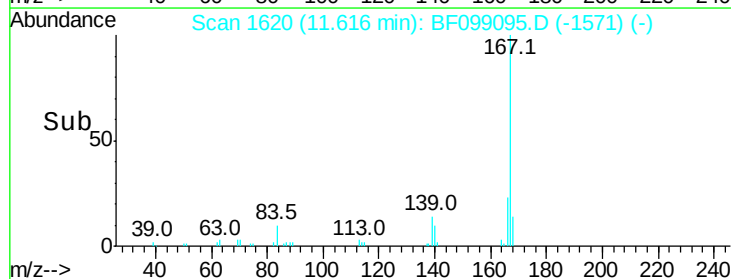
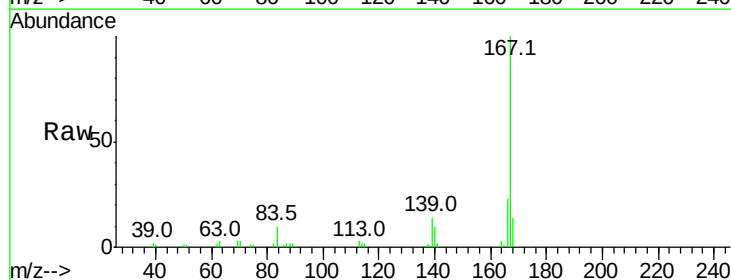
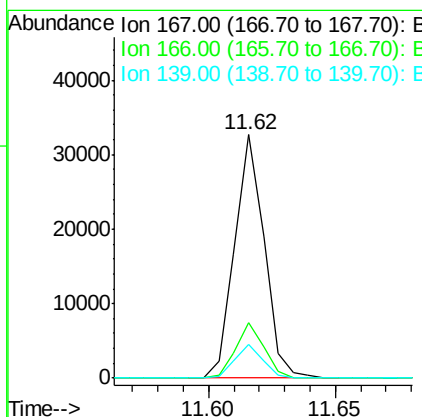
Manual Integrations
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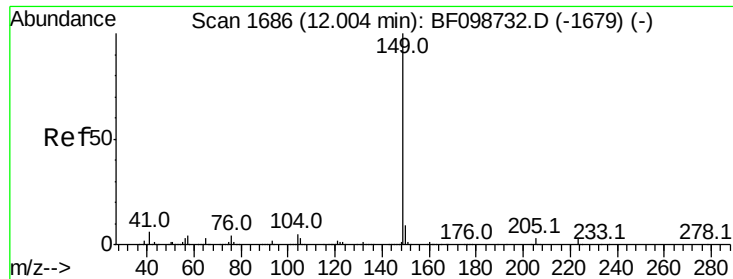
Sohil
 10/6/2017 5:34:46 PM



#72
 Carbazole
 Concen: 1.166 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.6	26.4
139	13.7	10.9	16.3





#73

Di-n-butylphthalate

Concen: 1.142 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

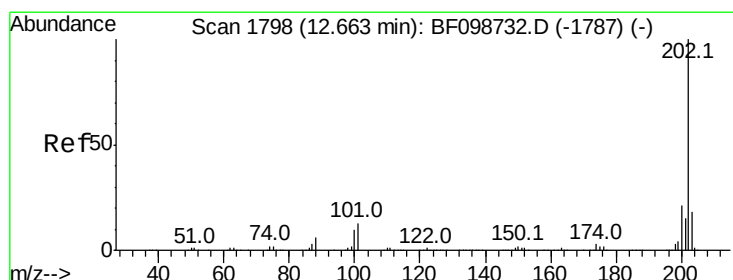
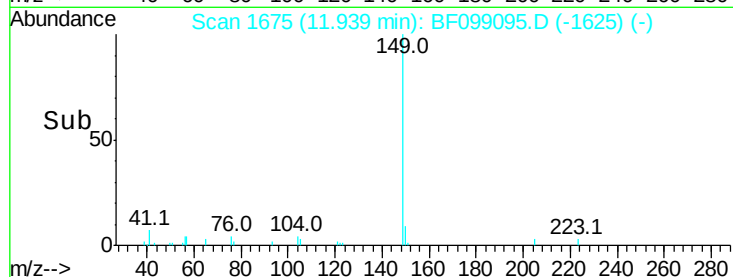
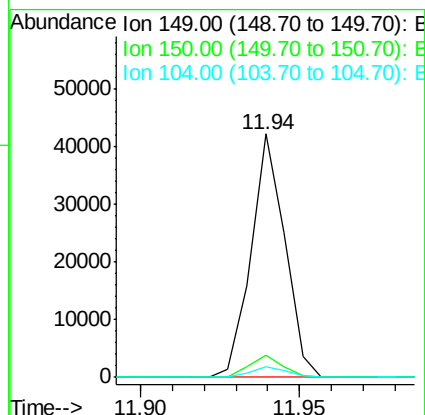
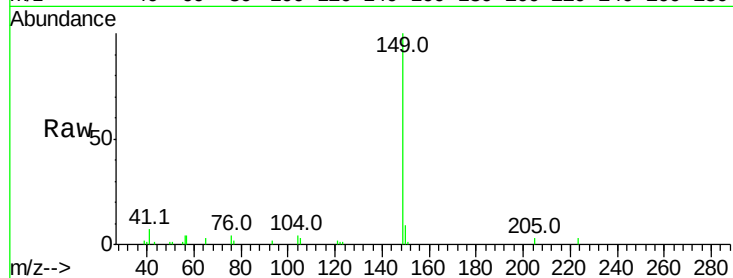
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:	149	Resp:	31137
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.8	11.6
104	4.4	3.8	5.8

Manual Integrations
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#74

Fluoranthene

Concen: 1.177 ng

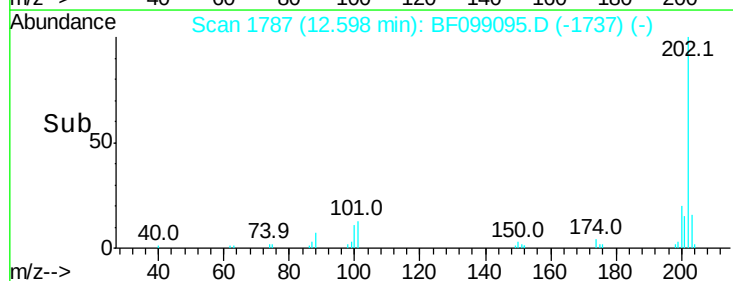
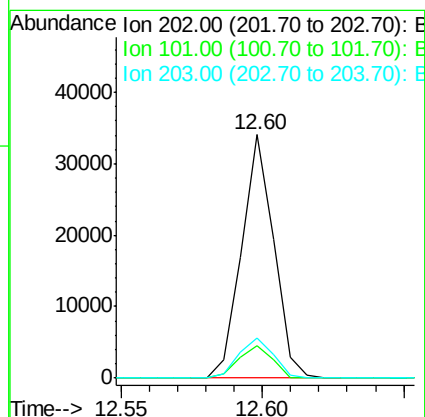
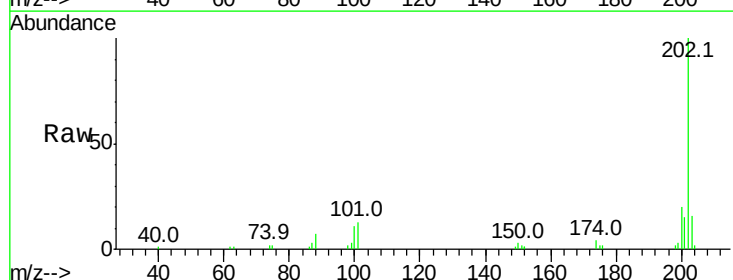
RT: 12.60 min Scan# 1787

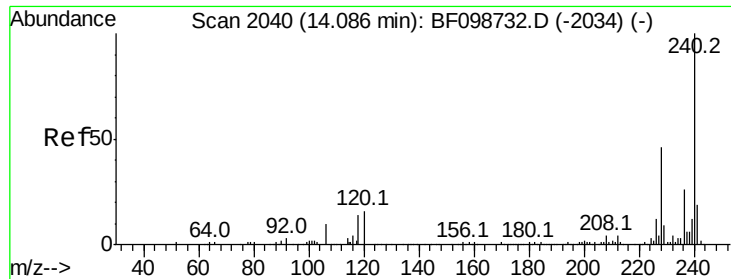
Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Tgt Ion:	202	Resp:	26946
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.1
203	16.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

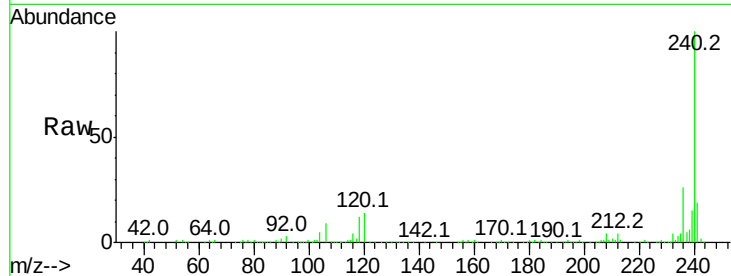
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.5	14.3
236	26.1	20.7	31.1

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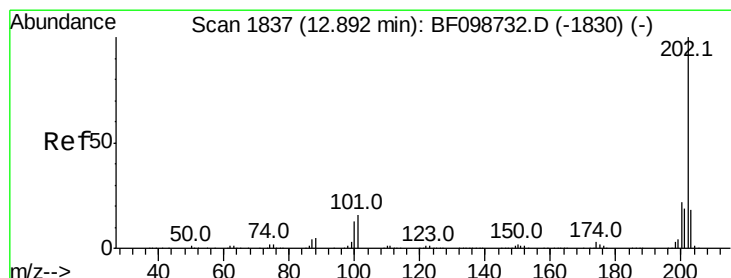
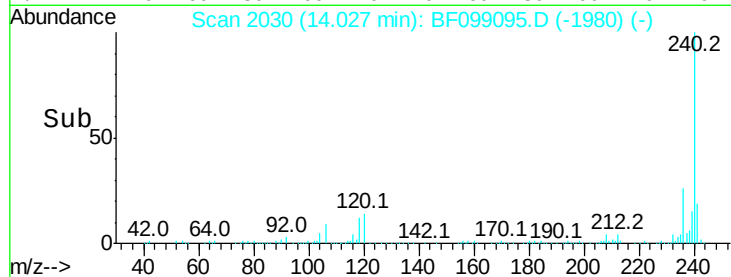
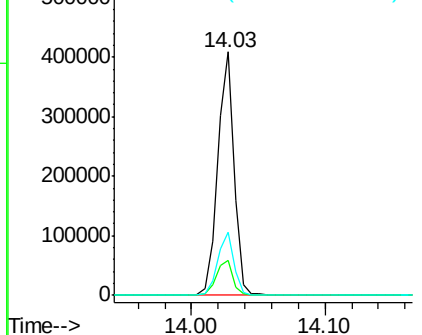
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 1.058 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099095.D

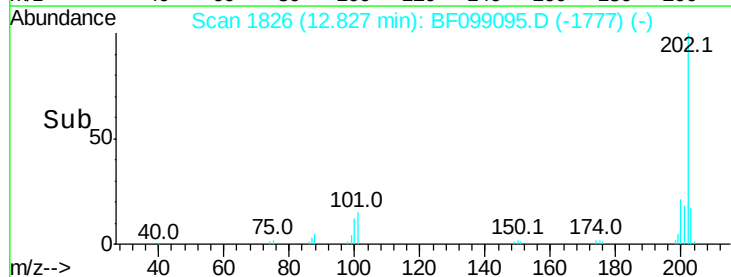
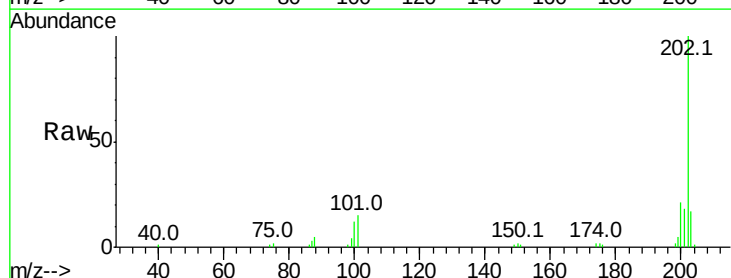
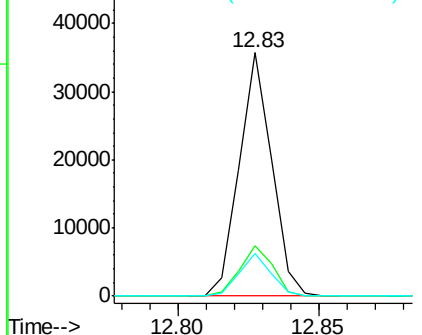
Acq: 5 Oct 2017 10:39

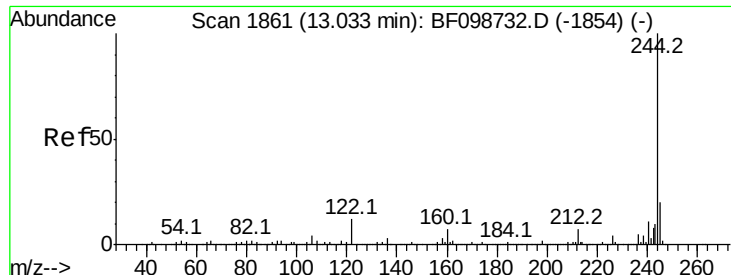
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.5	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.246 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:244 Resp: 1046739

Ion Ratio Lower Upper

244 100

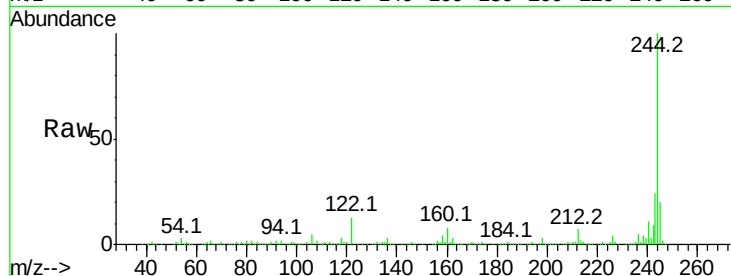
212 7.1 5.4 8.0

122 13.5 11.0 16.4

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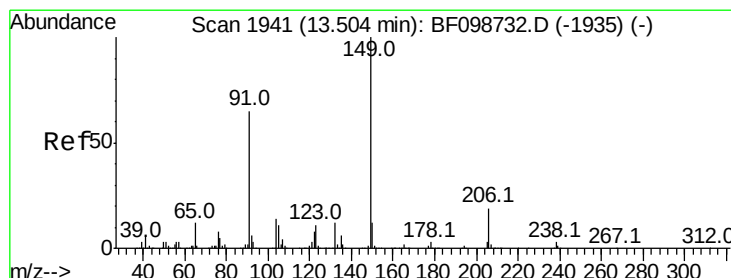
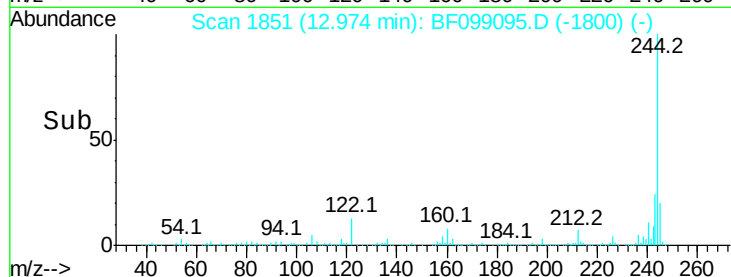
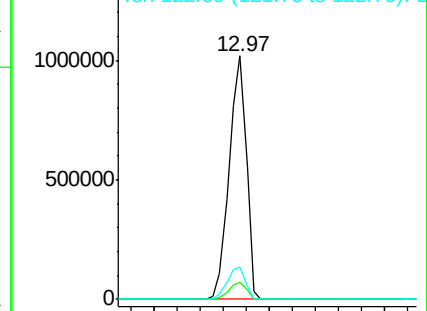
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 1.025 ng

RT: 13.44 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

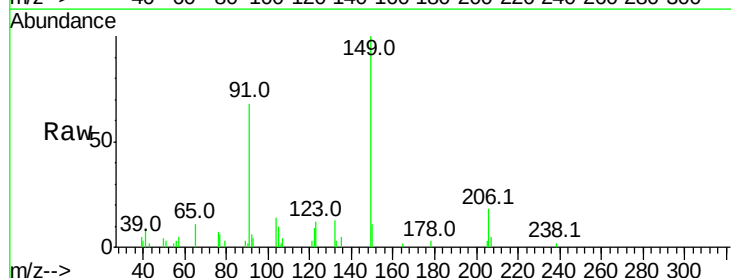
Tgt Ion:149 Resp: 13005

Ion Ratio Lower Upper

149 100

91 67.8 56.8 85.2

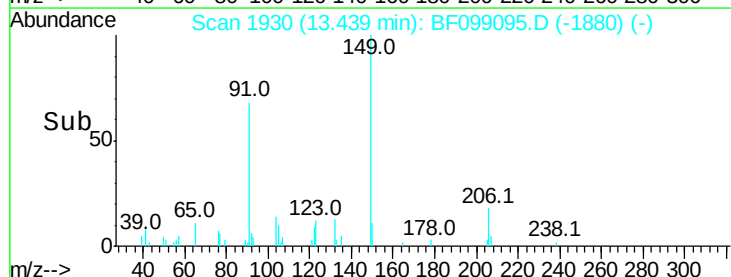
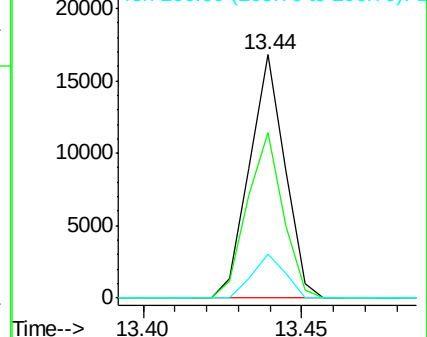
206 18.1 14.1 21.1

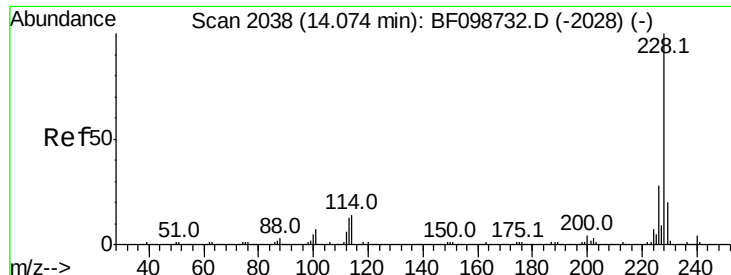


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





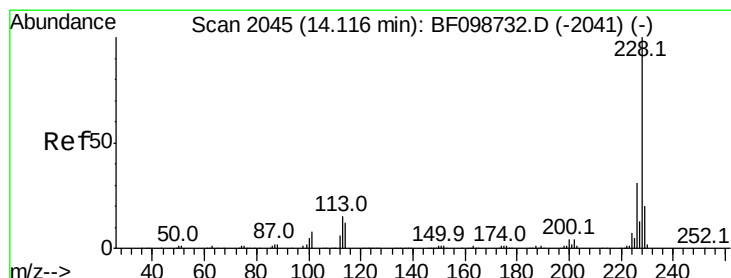
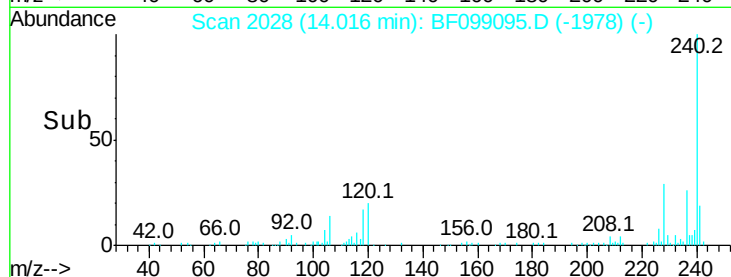
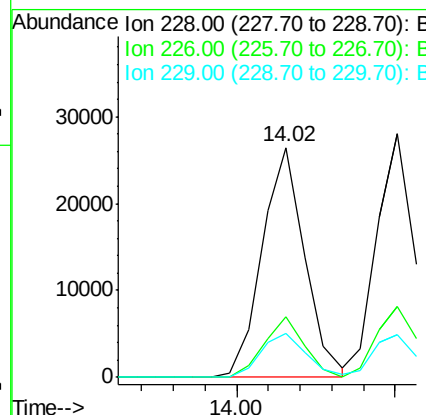
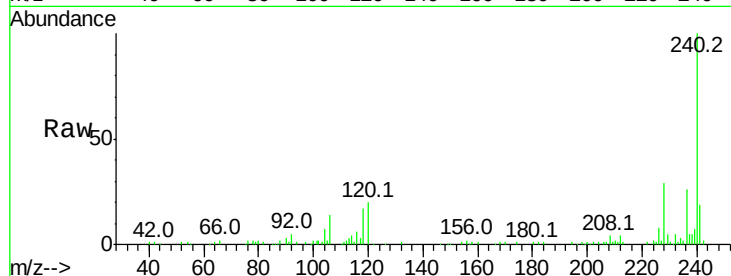
#80
Benzo(a)anthracene
Concen: 1.153 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	33.8
229	19.1	15.8	23.6

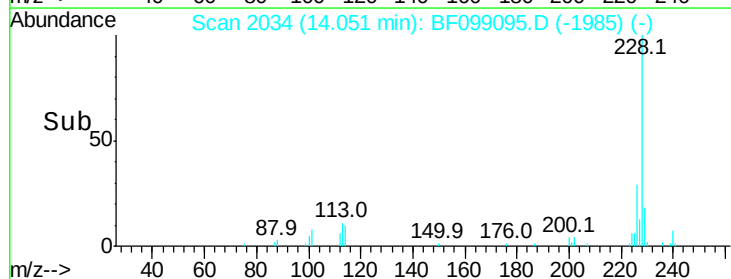
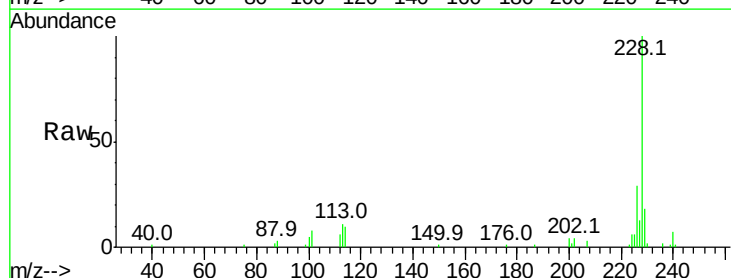
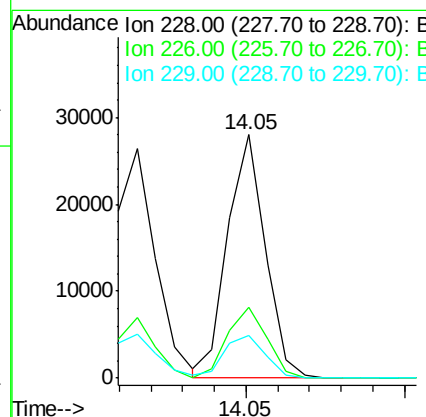
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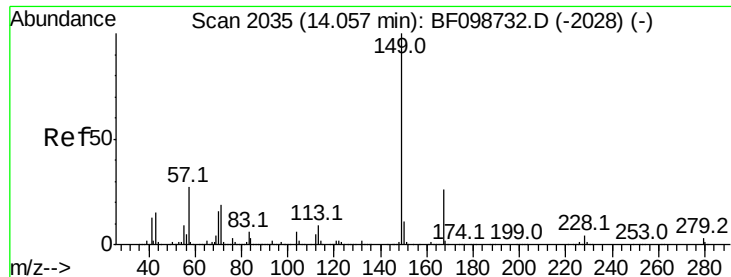
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#82
Chrysene
Concen: 1.129 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	17.6	16.2	24.4





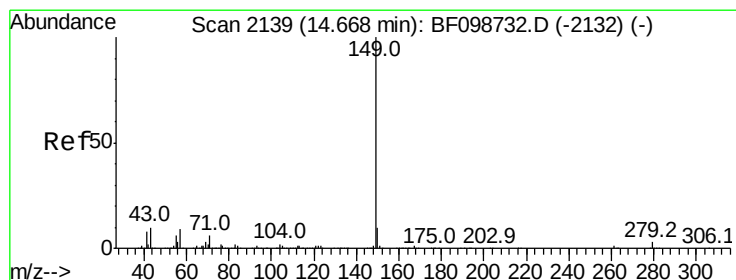
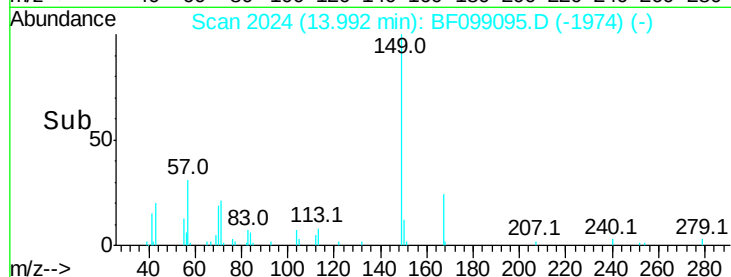
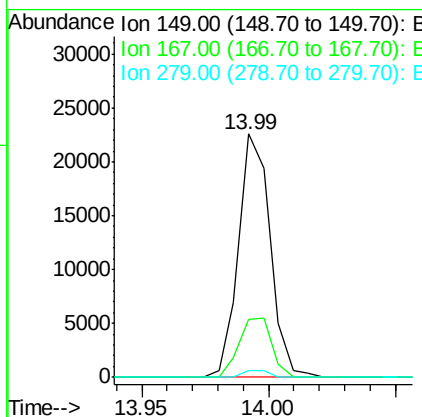
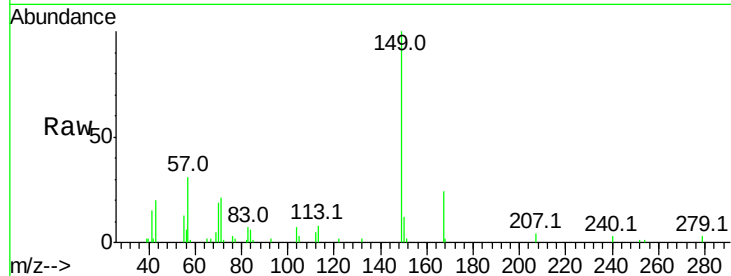
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.122 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
149	100		
167	23.8	21.3	31.9
279	2.8	3.0	4.4#

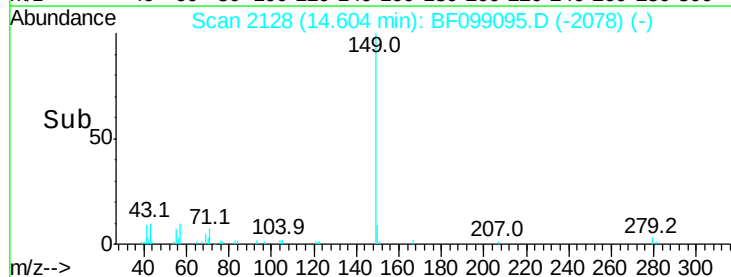
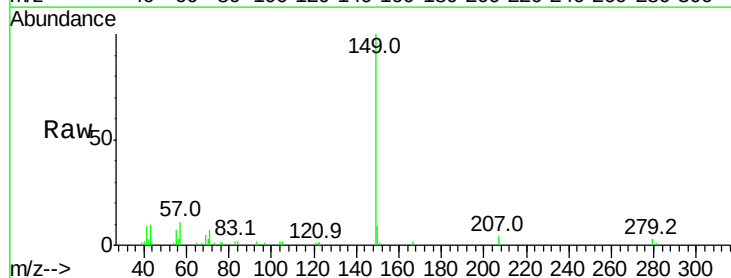
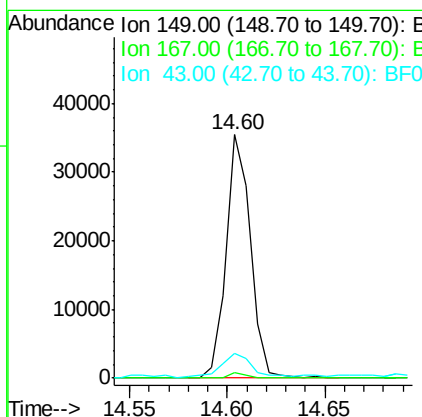
Manual Integrations
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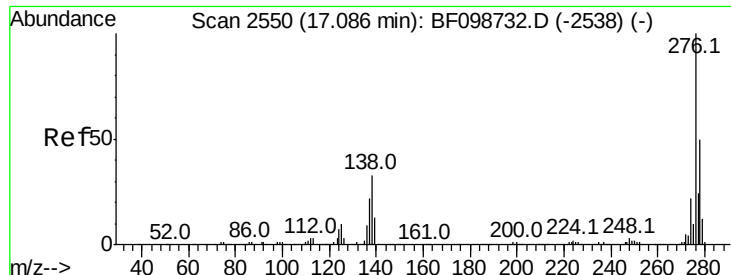
Sohil
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#84
 Di-n-octyl phthalate
 Concen: 1.088 ng
 RT: 14.60 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.2	1.8
43	13.8	8.4	12.6#





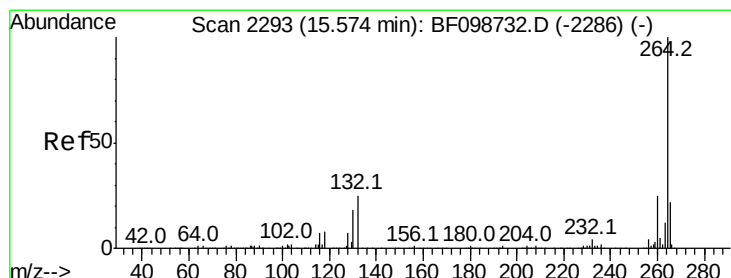
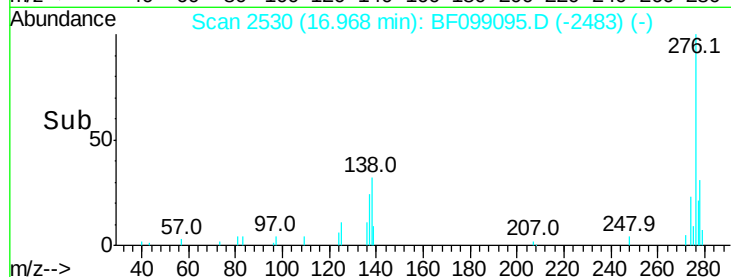
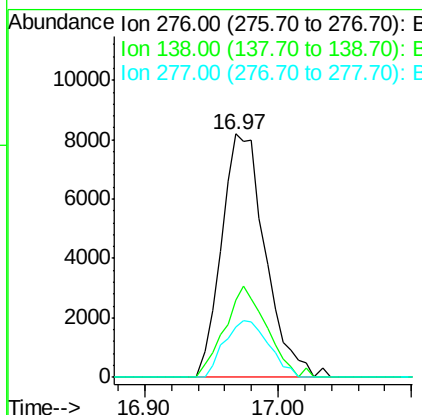
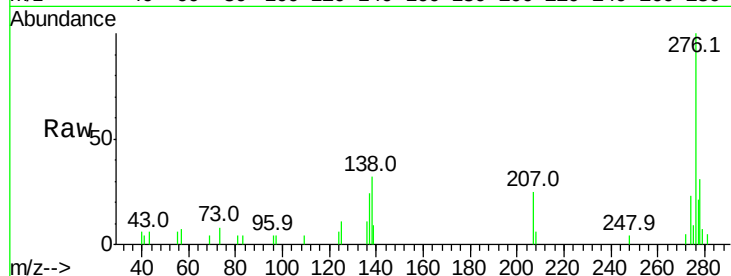
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 1.148 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.02 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.8	25.0	37.6
277	23.4	20.1	30.1

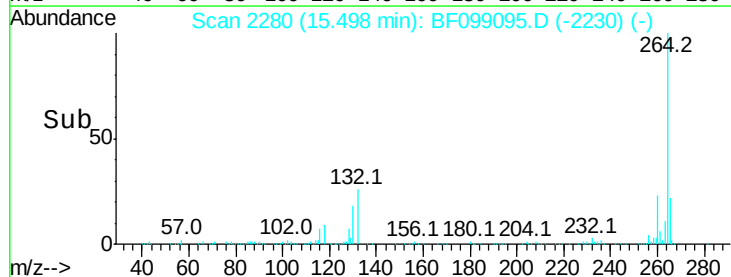
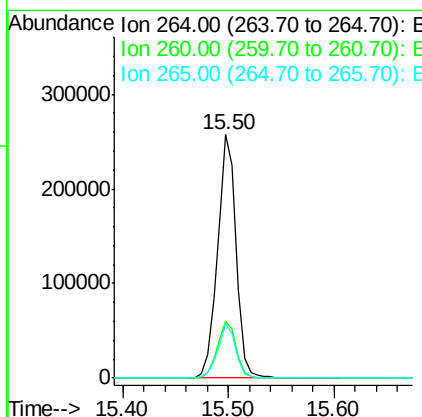
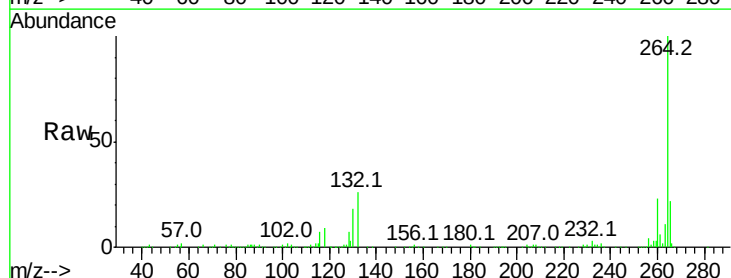
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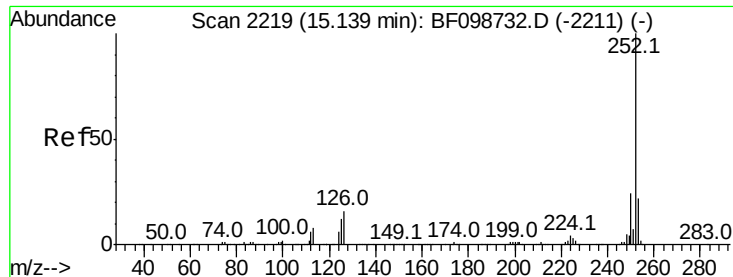
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 1.080 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Instrument :

BNA_F

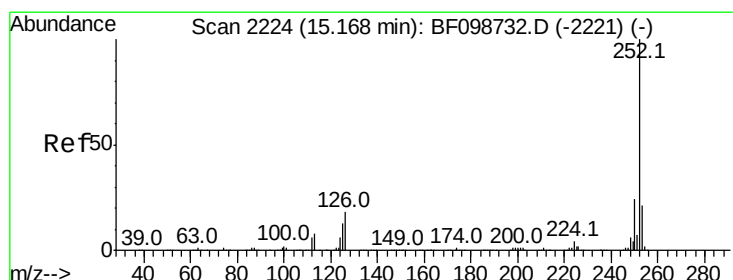
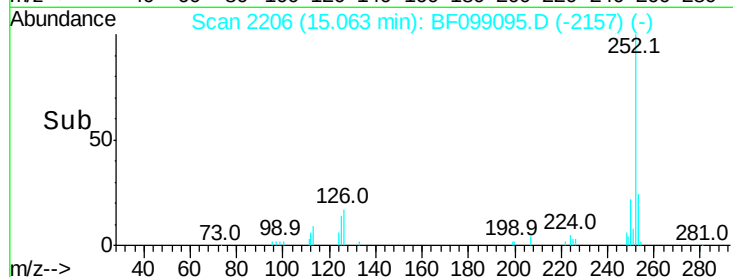
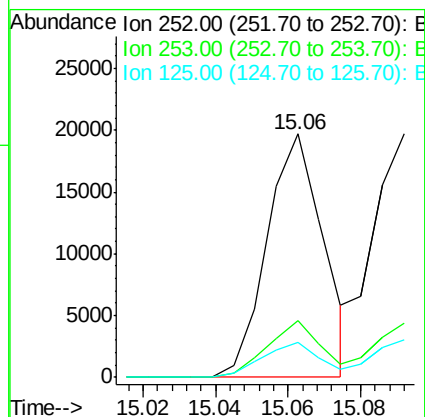
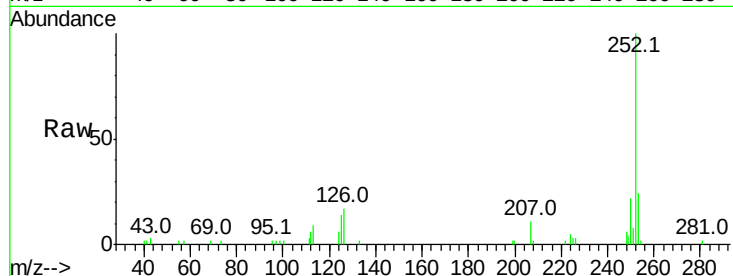
ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion:	252	Resp:	21221
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	14.4	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 1.082 ng m

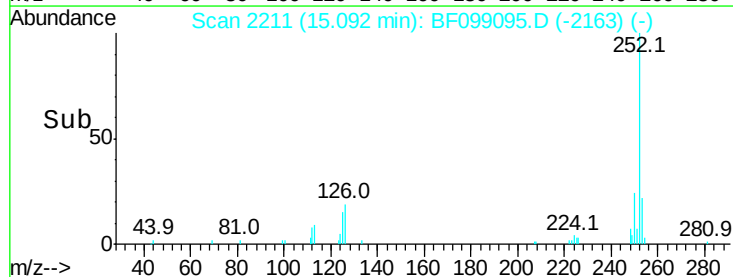
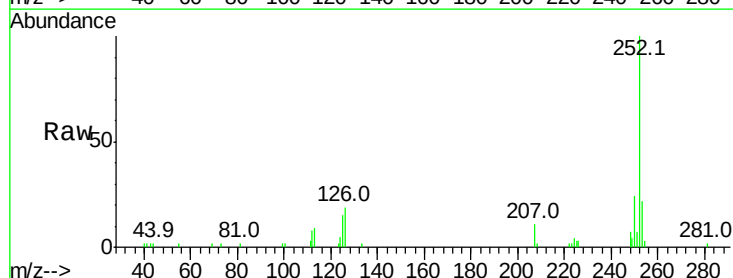
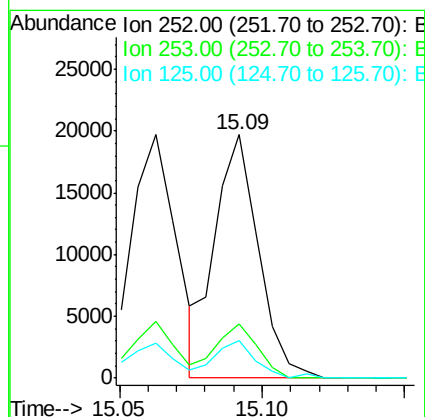
RT: 15.09 min Scan# 2211

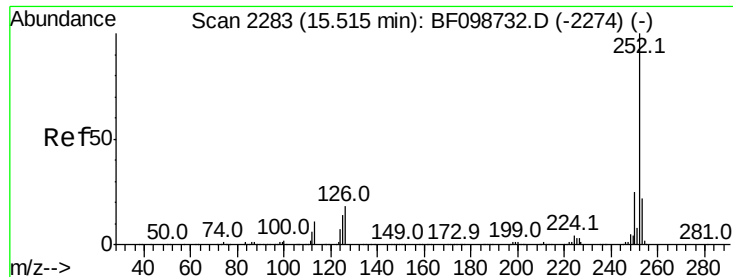
Delta R.T. -0.02 min

Lab File: BF099095.D

Acq: 5 Oct 2017 10:39

Tgt Ion:	252	Resp:	20996
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.9	26.9
125	15.5	10.2	15.2#





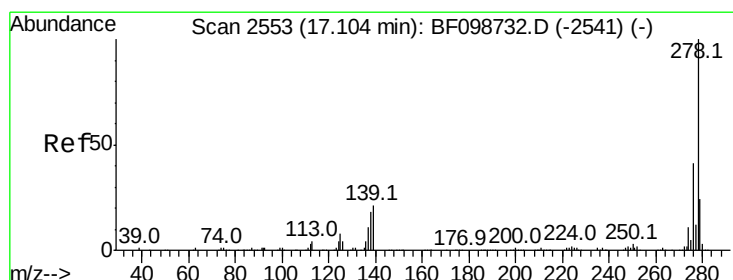
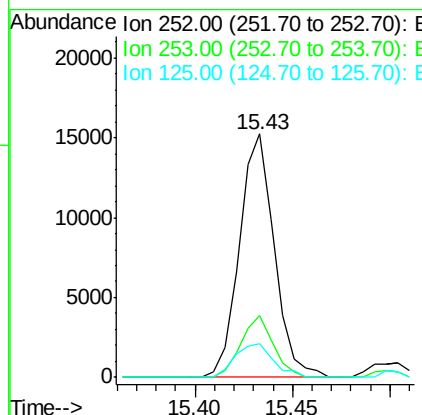
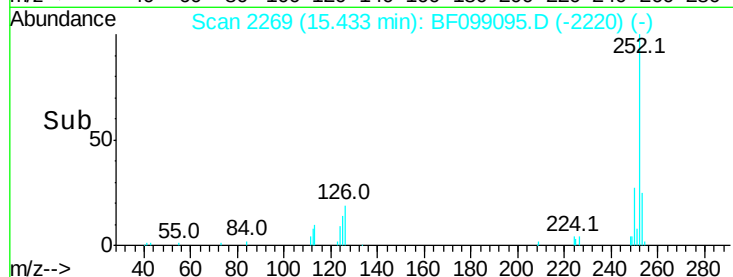
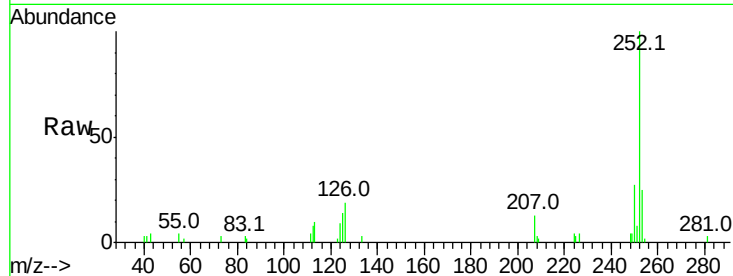
#89
Benzo(a)pyrene
Concen: 1.043 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	13.6	9.8	14.6

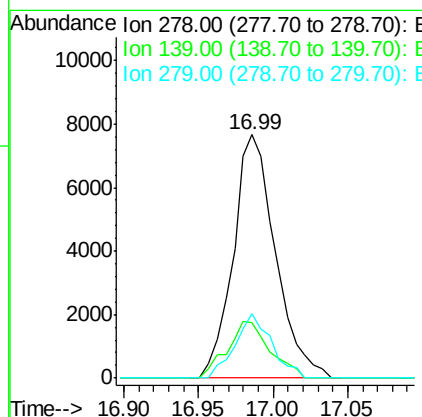
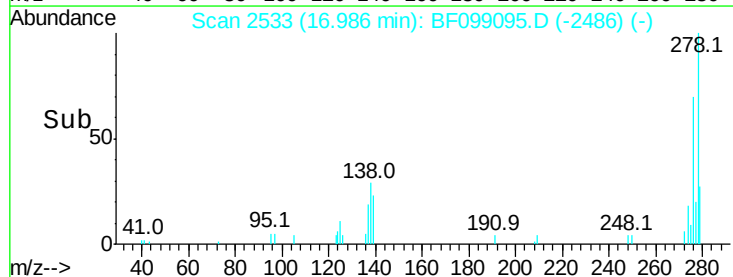
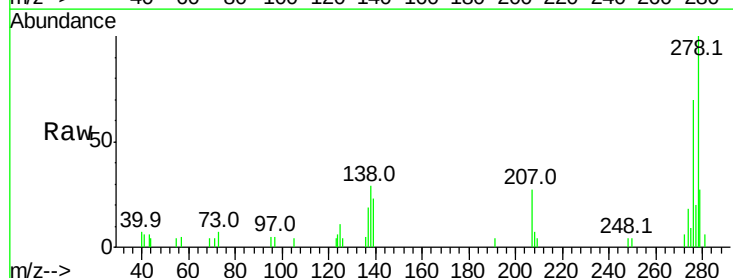
Manual Integrations
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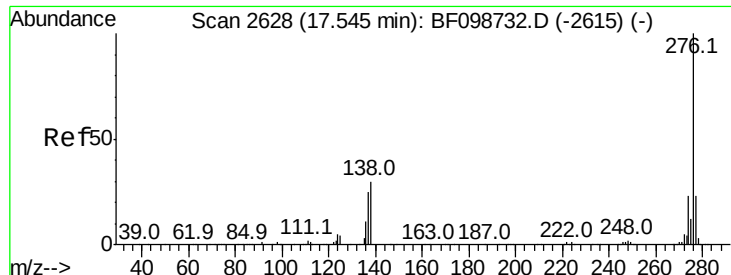
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 1.042 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.02 min
Lab File: BF099095.D
Acq: 5 Oct 2017 10:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	15.9	23.9
279	26.5	19.0	28.4





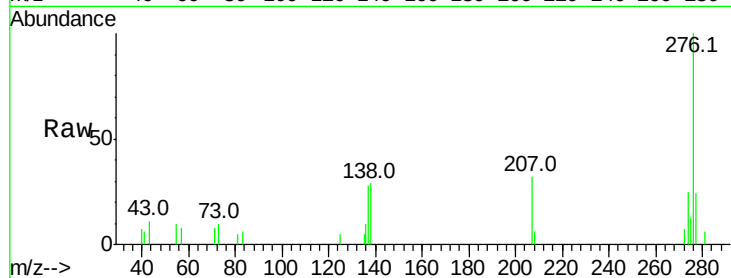
#91
 Benzo(a,h,i)perylene
 Concen: 0.964 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.03 min
 Lab File: BF099095.D
 Acq: 5 Oct 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion:	276	Resp:	13760
Ion Ratio	Lower	Upper	
276	100		
277	23.5	17.9	26.9
138	29.5	21.8	32.8

Manual Integrations
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 10/6/2017 5:34:46 PM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

