

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098050.D
 Acq On : 26 Aug 2017 00:31
 Operator : SJ/JU
 Sample : I4938-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Manual Integrations
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Sohil
 8/28/2017 3:13:37 PM

Quant Time: Aug 28 11:02:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	100946	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	360173	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	138369	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	262817	20.00	ng	0.00
75) Chrysene-d12	13.90	240	173992	20.00	ng	0.00
86) Perylene-d12	15.33	264	126132	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	682960	102.91	ng	0.00
7) Phenol-d6	6.39	99	909656	100.88	ng	0.00
23) Nitrobenzene-d5	7.31	82	525941	79.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	127353	106.08	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	708004	75.18	ng	0.00
78) Terphenyl-d14	12.85	244	601586	72.10	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	114594	30.962	ng	89
3) Pyridine	3.12	79	355235	34.719	ng	# 85
4) n-Nitrosodimethylamine	3.07	42	146798	37.287	ng	# 78
6) Aniline	6.41	93	349450	27.587	ng	94
8) 2-Chlorophenol	6.53	128	276731	39.539	ng	98
9) Benzaldehyde	6.29	77	146913	25.722	ng	91
10) Phenol	6.40	94	429192	40.697	ng	97
11) bis(2-Chloroethyl)ether	6.49	93	339512	42.654	ng	91
12) 1,3-Dichlorobenzene	6.69	146	272727	36.227	ng	# 95
13) 1,4-Dichlorobenzene	6.76	146	278941	36.431	ng	94
14) 1,2-Dichlorobenzene	6.92	146	260378	36.881	ng	99
15) Benzyl Alcohol	6.89	79	267107	39.566	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.03	45	387976	36.227	ng	90
17) 2-Methylphenol	7.00	107	240572	39.005	ng	97
18) Hexachloroethane	7.26	117	74487	24.813	ng	# 84
19) n-Nitroso-di-n-propylamine	7.16	70	207550	33.624	ng	89
20) 3+4-Methylphenols	7.16	107	287756	38.198	ng	# 87
22) Acetophenone	7.16	105	388554	40.836	ng	# 89
24) Nitrobenzene	7.33	77	330631	44.788	ng	92
25) Isophorone	7.57	82	561167	40.705	ng	97
26) 2-Nitrophenol	7.65	139	93566	36.410	ng	# 81
27) 2,4-Dimethylphenol	7.69	122	232357	40.413	ng	94
28) bis(2-Chloroethoxy)methane	7.78	93	361913	39.931	ng	98
29) 2,4-Dichlorophenol	7.89	162	189123	39.626	ng	92
30) 1,2,4-Trichlorobenzene	7.97	180	198744	37.564	ng	99
31) Naphthalene	8.05	128	721058	38.563	ng	100
32) Benzoic acid	7.81	122	140874	35.546	ng	88
33) 4-Chloroaniline	8.11	127	241589	30.636	ng	98
34) Hexachlorobutadiene	8.17	225	115281	37.318	ng	97
35) Caprolactam	8.46	113	65165	40.162	ng	91
36) 4-Chloro-3-methylphenol	8.59	107	216060	35.234	ng	# 80
37) 2-Methylnaphthalene	8.74	142	439267	38.318	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	174570	41.109	ng	99
40) Hexachlorocyclopentadiene	8.89	237	13024	6.384	ng	97

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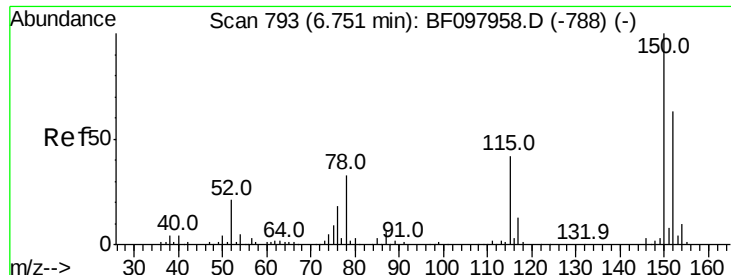
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	116242	40.773	nq	96
43) 2,4,5-Trichlorophenol	9.06	196	119294	42.177	nq	96
45) 1,1'-Biphenyl	9.20	154	489774	38.816	nq	96
46) 2-Chloronaphthalene	9.23	162	359586	38.569	nq	# 91
47) 2-Nitroaniline	9.33	65	163743	52.390	nq	99
48) Acenaphthylene	9.64	152	655729	44.788	nq	100
49) Dimethylphthalate	9.50	163	504014	49.831	nq	99
50) 2,6-Dinitrotoluene	9.57	165	70693	35.015	nq	# 72
51) Acenaphthene	9.82	154	347843	37.671	nq	99
52) 3-Nitroaniline	9.73	138	118429	45.466	nq	86
53) 2,4-Dinitrophenol	9.85	184	2847	12.730	nq	84
54) Dibenzofuran	9.99	168	521771	42.163	nq	98
55) 4-Nitrophenol	9.90	139	150005	72.191	nq	# 32
56) 2,4-Dinitrotoluene	9.97	165	83194	32.835	nq	# 51
57) Fluorene	10.33	166	406650	42.502	nq	96
58) 2,3,4,6-Tetrachlorophenol	10.10	232	98798	45.117	nq	93
59) Diethylphthalate	10.20	149	425035	40.185	nq	99
60) 4-Chlorophenyl-phenylether	10.32	204	174179	39.186	nq	# 86
61) 4-Nitroaniline	10.35	138	126007	50.898	nq	76
62) Azobenzene	10.48	77	489821	38.986	nq	94
64) 4,6-Dinitro-2-methylphenol	10.38	198	2487	9.981	nq	# 82
65) n-Nitrosodiphenylamine	10.44	169	342234	38.240	nq	99
66) 4-Bromophenyl-phenylether	10.81	248	104325	38.226	nq	93
67) Hexachlorobenzene	10.87	284	100476	36.120	nq	# 86
68) Atrazine	10.97	200	86318	36.368	nq	97
69) Pentachlorophenol	11.07	266	115516	71.222	nq	97
70) Phenanthrene	11.29	178	841306	60.073	nq	100
71) Anthracene	11.34	178	698992	49.209	nq	100
72) Carbazole	11.49	167	566773	42.035	nq	98
73) Di-n-butylphthalate	11.83	149	647044	41.662	nq	99
74) Fluoranthene	12.48	202	1248130	85.385	nq	100
76) Benzidine	12.60	184	111926	19.620	nq	95
77) Pyrene	12.70	202	1234918	86.779	nq	99
79) Butylbenzylphthalate	13.32	149	275721	50.535	nq	# 70
80) Benzo(a)anthracene	13.89	228	647795	62.120	nq	98
81) 3,3'-Dichlorobenzidine	13.85	252	123038	34.965	nq	# 96
82) Chrysene	13.93	228	632148	60.939	nq	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	314894	52.084	nq	# 99
84) Di-n-octyl phthalate	14.50	149	487863	46.377	nq	99
85) Indeno(1,2,3-cd)pyrene	16.73	276	400358m	52.464	nq	
87) Benzo(b)fluoranthene	14.92	252	525127	66.050	nq	99
88) Benzo(k)fluoranthene	14.95	252	403211	53.981	nq	# 95
89) Benzo(a)pyrene	15.27	252	473962	67.340	nq	99
90) Dibenzo(a,h)anthracene	16.74	278	256743	44.806	nq	97
91) Benzo(g,h,i)perylene	17.15	276	340887	57.015	nq	# 92

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



#1

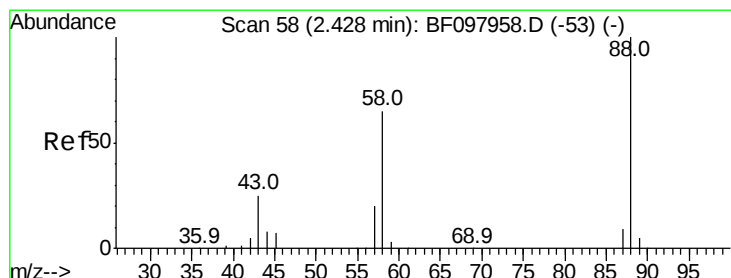
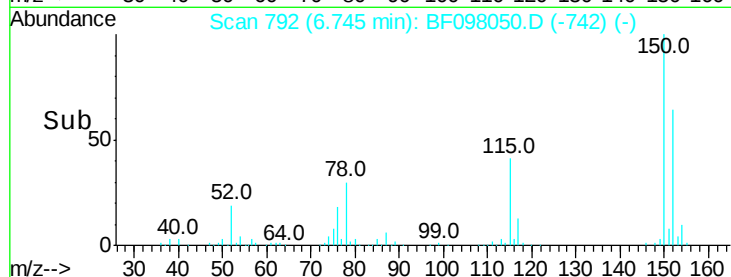
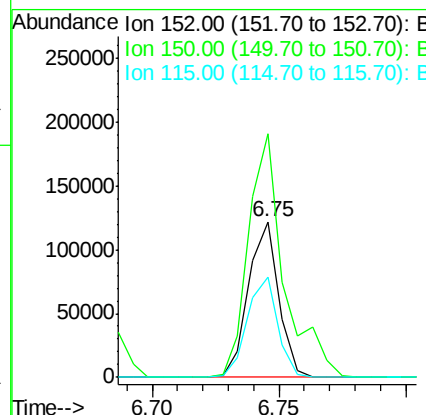
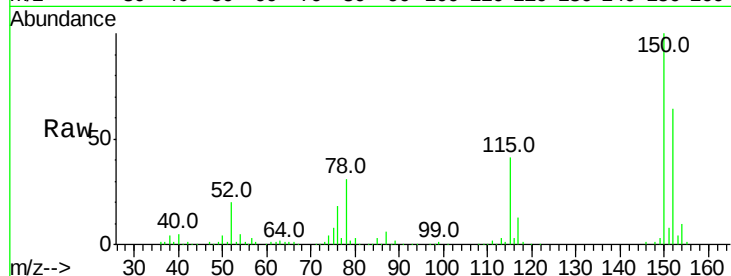
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.2	189.2
115	64.3	52.2	78.2

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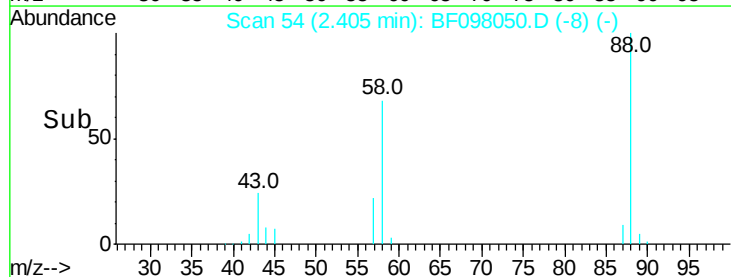
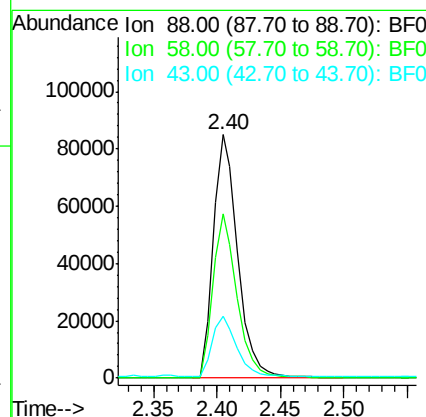
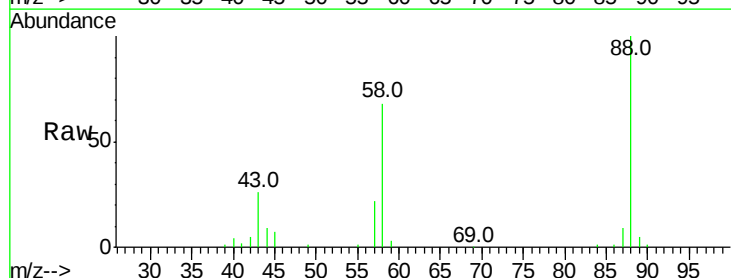
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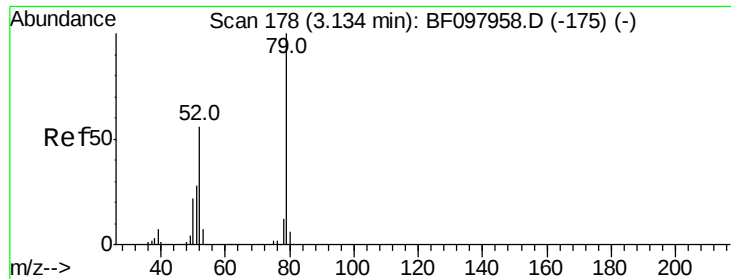


#2

1,4-Dioxane
Concen: 30.962 ng
RT: 2.40 min Scan# 54
Delta R.T. -0.03 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.6	61.4	92.0
43	25.3	23.4	35.0





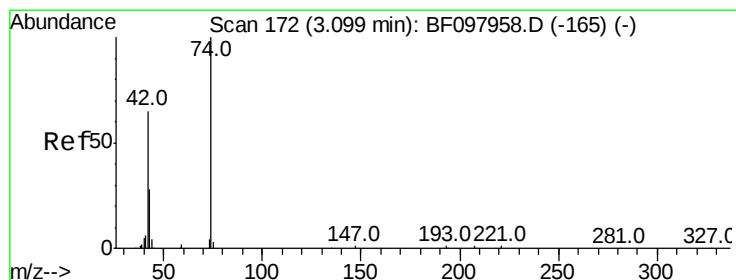
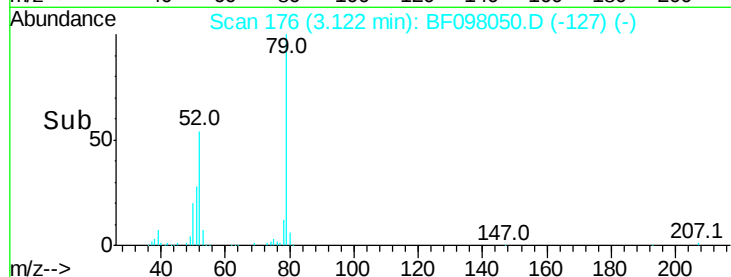
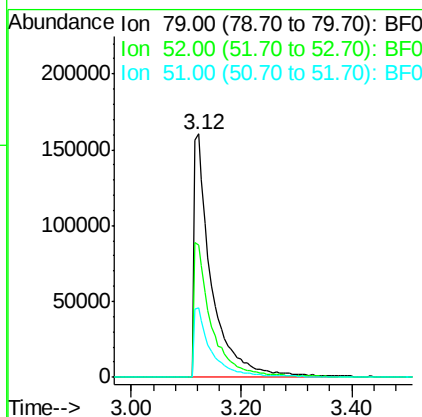
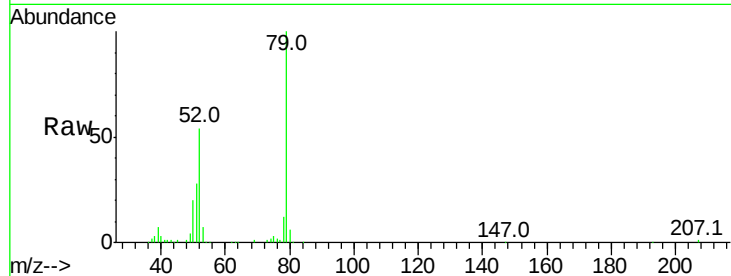
#3
 Pvridine
 Concen: 34.719 ng
 RT: 3.12 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	54.1	54.8	82.2#
51	28.5	27.0	40.4

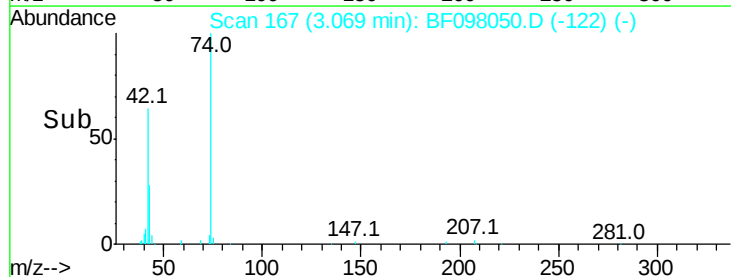
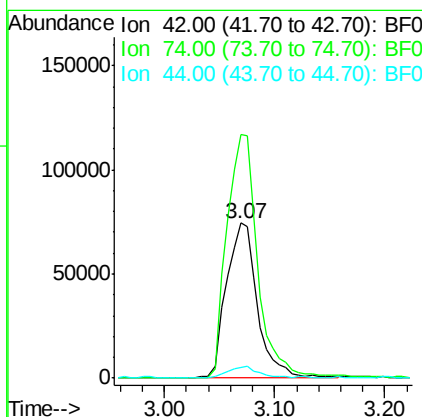
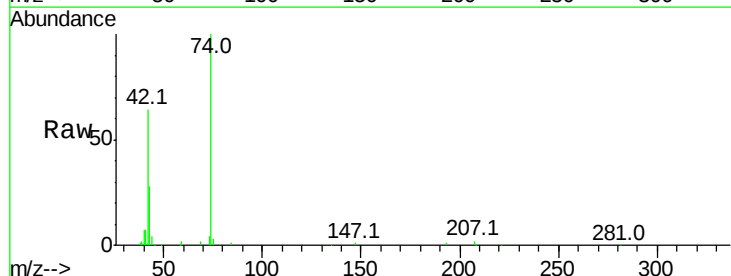
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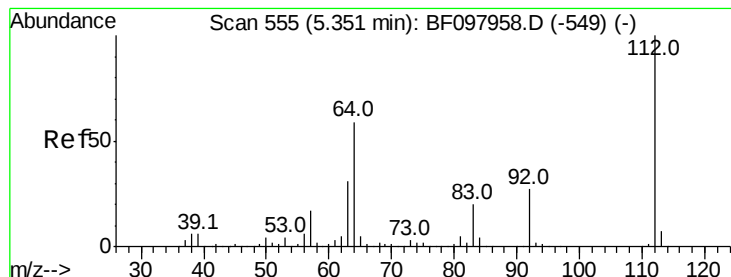
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#4
 n-Nitrosodimethylamine
 Concen: 37.287 ng
 RT: 3.07 min Scan# 167
 Delta R.T. -0.04 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
42	100		
74	157.1	103.9	155.9#
44	6.9	5.7	8.5





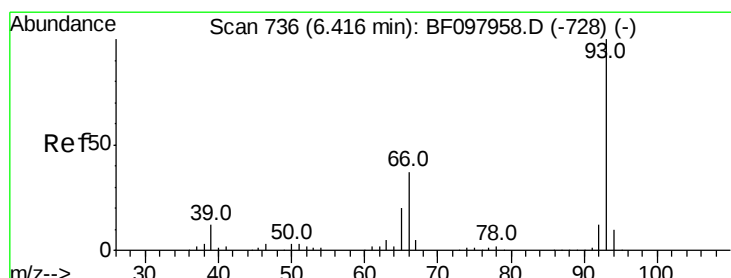
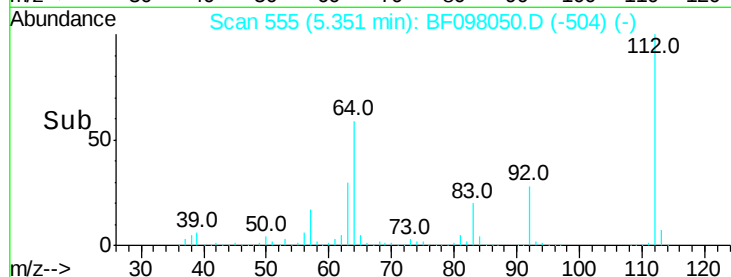
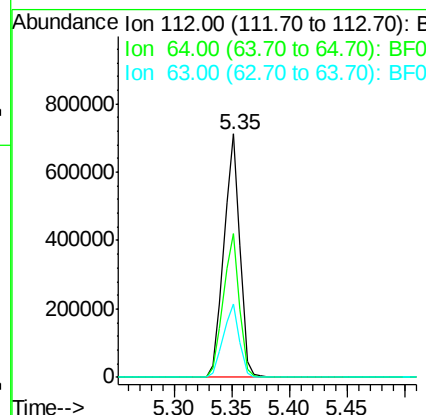
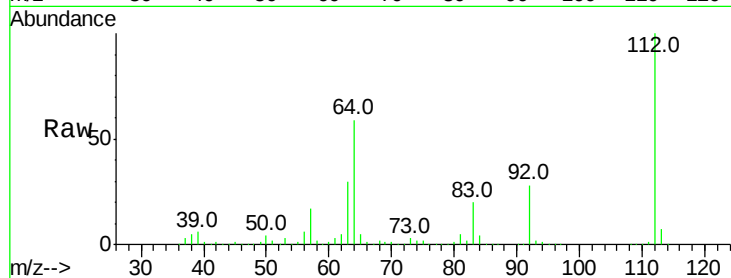
#5
 2-Fluorophenol
 Concen: 102.910 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	59.2	46.0	69.0
63	30.1	23.4	35.0

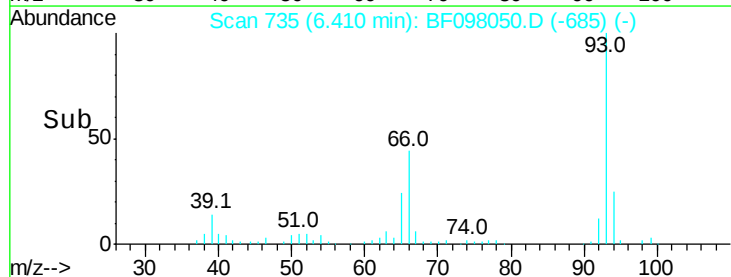
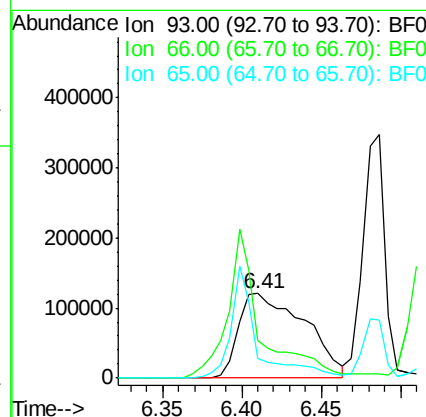
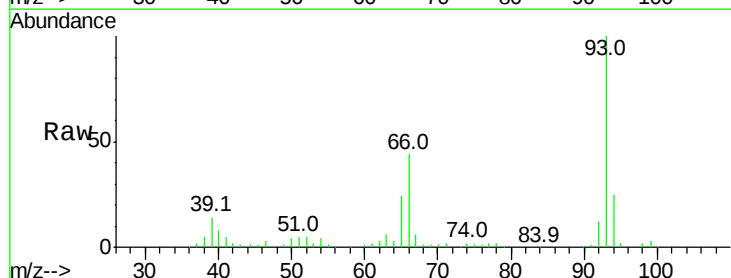
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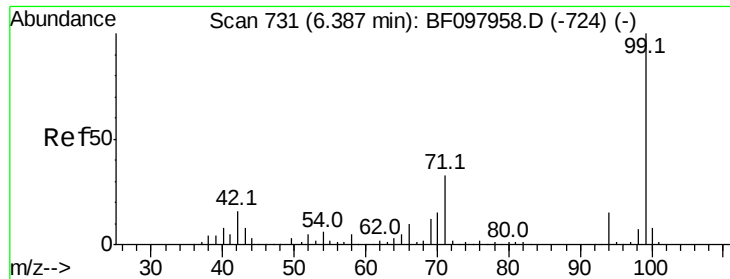
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#6
 Aniline
 Concen: 27.587 ng
 RT: 6.41 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
66	44.5	32.9	49.3
65	24.0	16.0	24.0





#7

Phenol-d6

Concen: 100.881 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

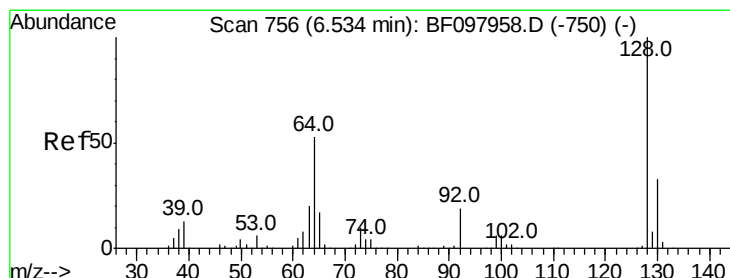
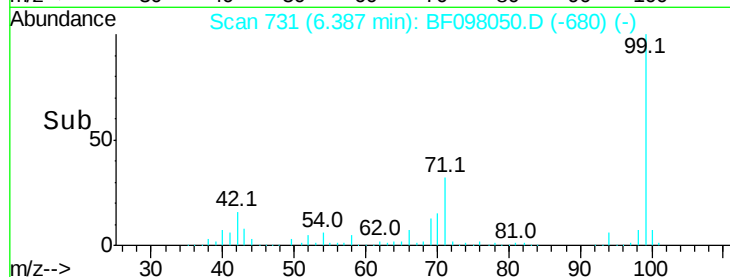
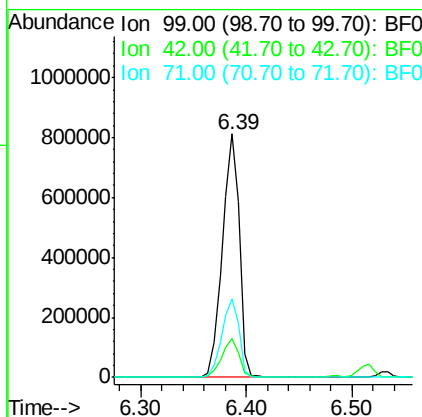
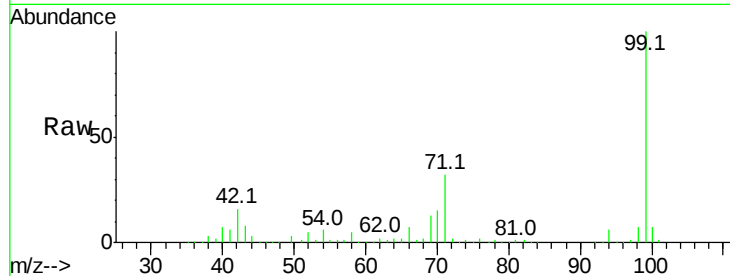
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	99	Resp:	909656
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	32.5	24.5	36.7

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#8

2-Chlorophenol

Concen: 39.539 ng

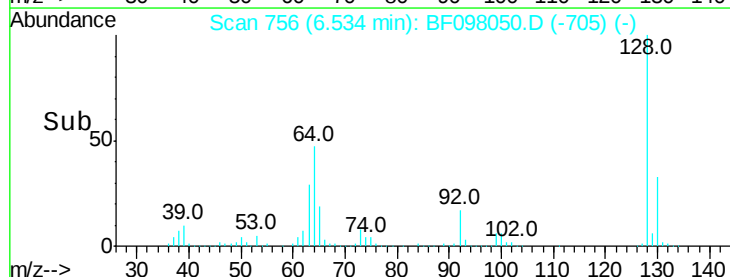
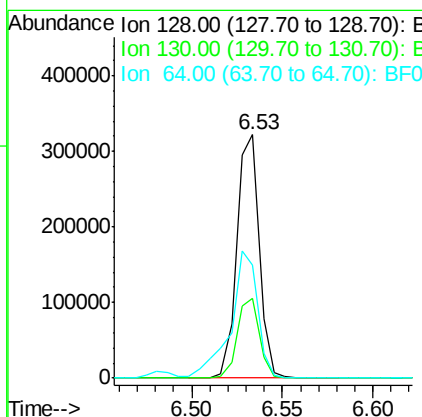
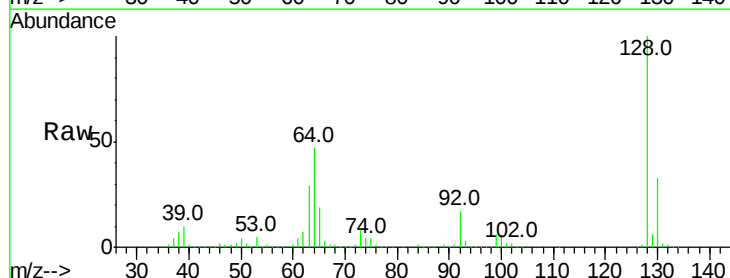
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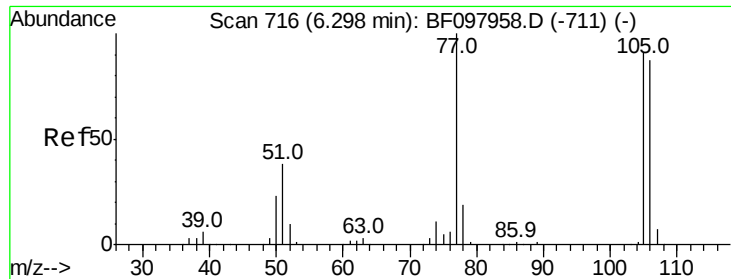
Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	128	Resp:	276731
Ion Ratio	Lower	Upper	
128	100		
130	32.9	12.9	52.9
64	46.7	28.4	68.4





#9

Benzaldehyde

Concen: 25.722 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

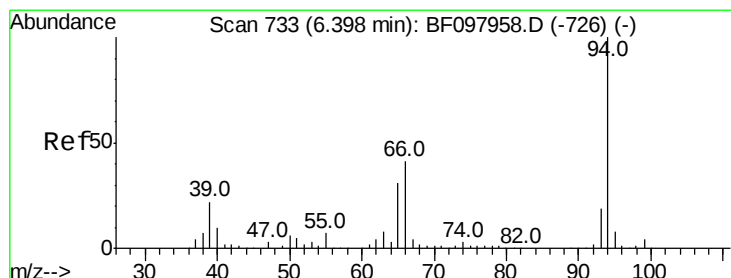
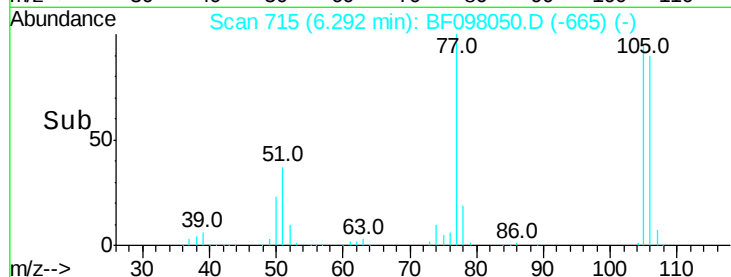
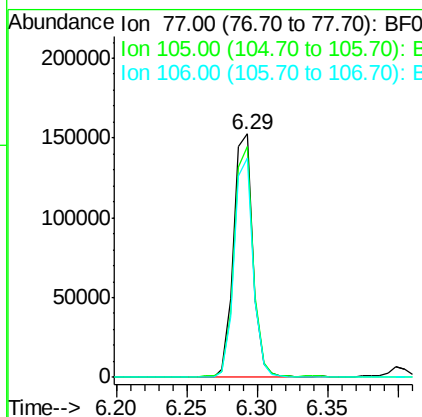
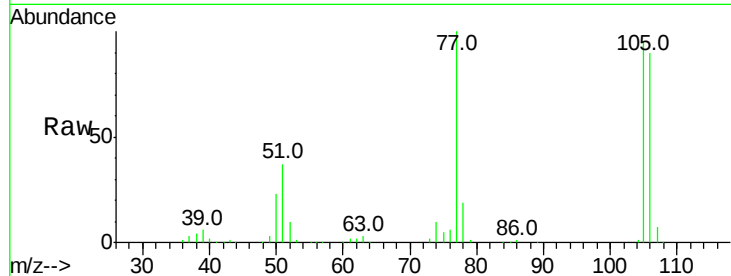
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	77	Resp:	146913
Ion	Ratio	Lower	Upper
77	100		
105	94.7	83.8	123.8
106	89.8	79.1	119.1

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#10

Phenol

Concen: 40.697 ng

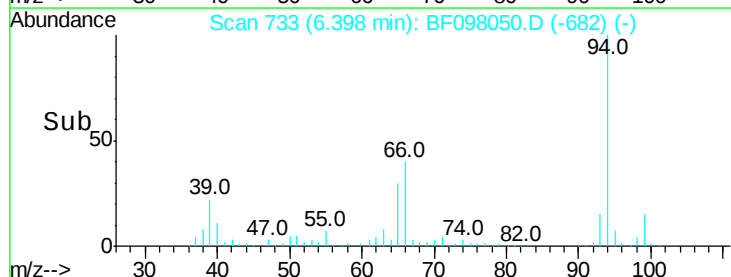
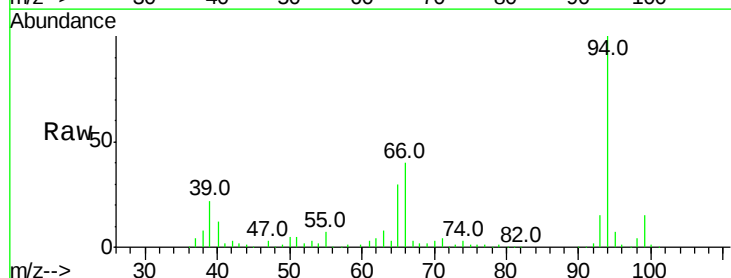
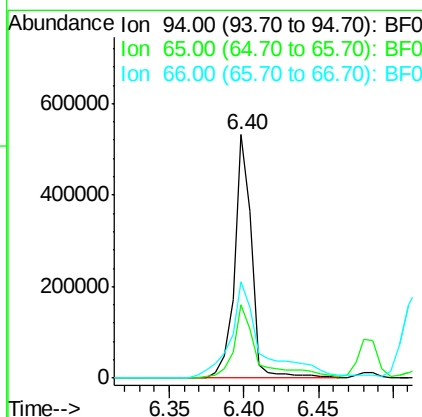
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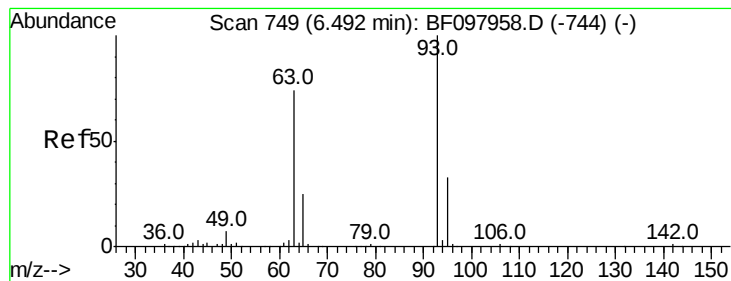
Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	94	Resp:	429192
Ion	Ratio	Lower	Upper
94	100		
65	29.9	9.9	49.9
66	39.8	23.1	63.1





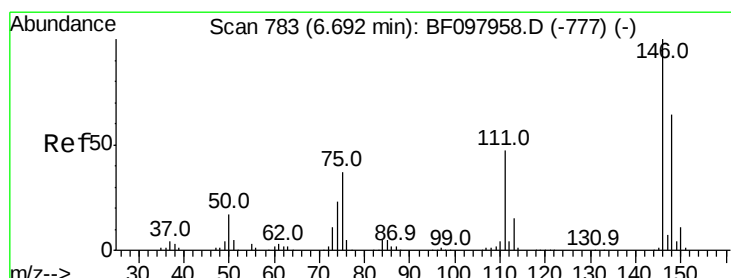
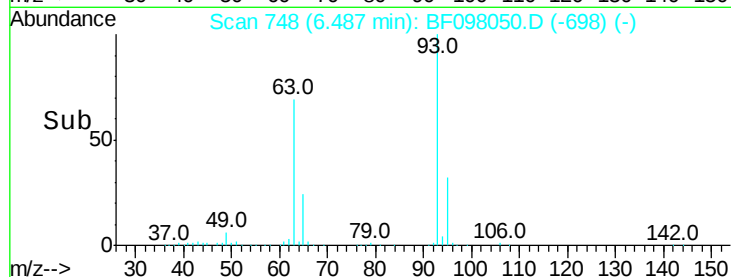
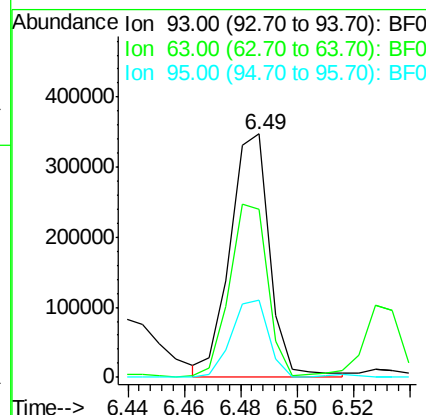
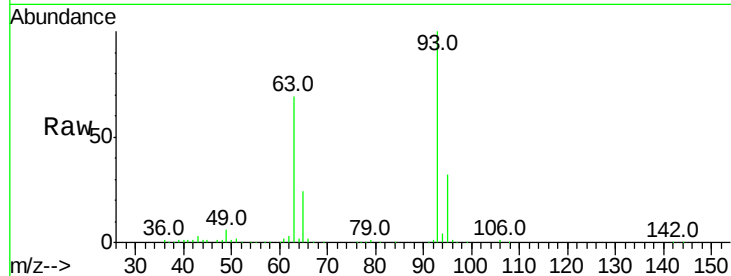
#11
bis(2-Chloroethyl)ether
Concen: 42.654 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	69.0	59.2	99.2	
95	31.6	12.8	52.8	

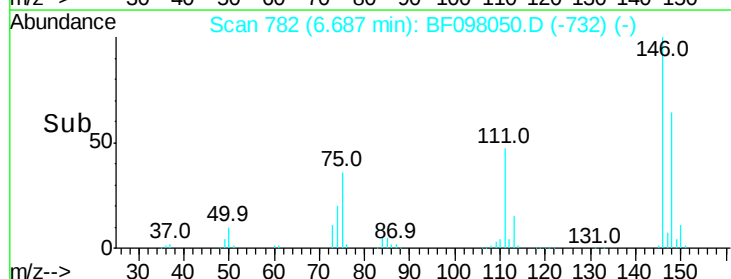
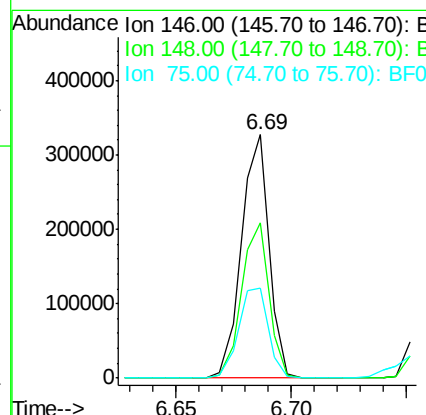
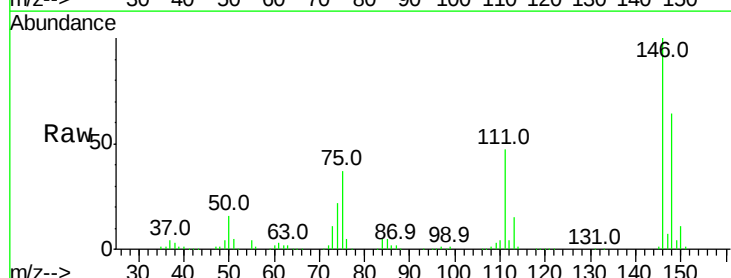
Manual Integrations
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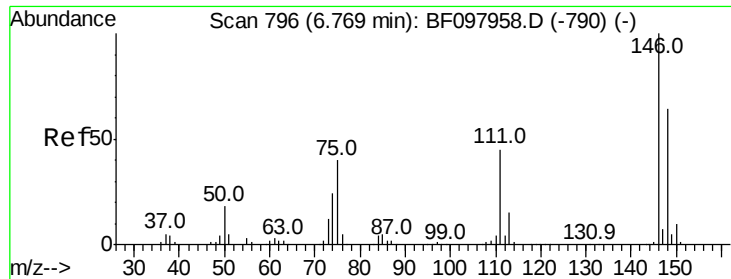
Sohil
8/28/2017 3:13:37 PM



#12
1,3-Dichlorobenzene
Concen: 36.227 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	63.8	51.8	77.6	
75	36.8	23.1	34.7#	





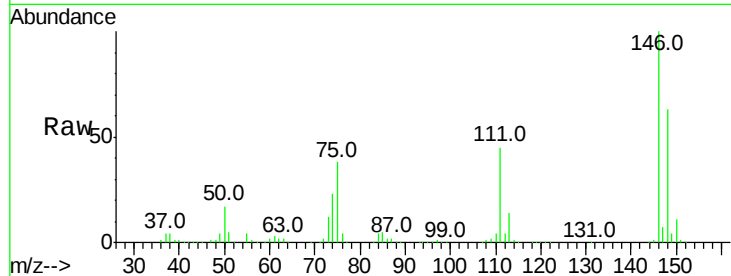
#13
 1,4-Dichlorobenzene
 Concen: 36.431 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.2	78.2
111	45.4	30.3	45.5

Manual Integrations
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 8/28/2017 3:13:37 PM

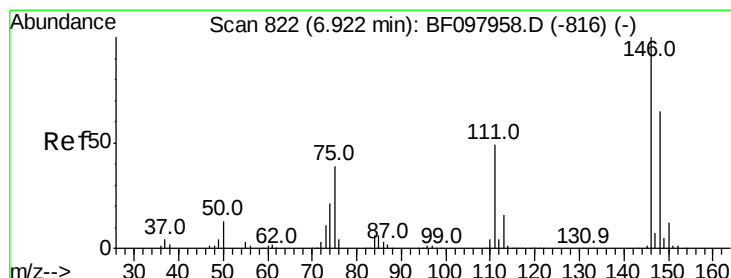
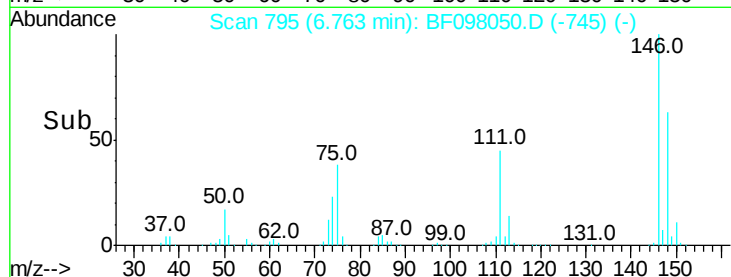
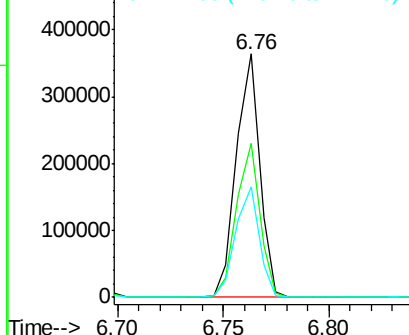


Abundance

Ion 146.00 (145.70 to 146.70): E

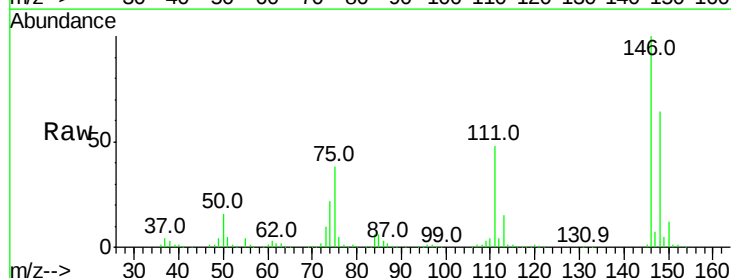
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 36.881 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.4	75.6
111	47.5	38.2	57.4

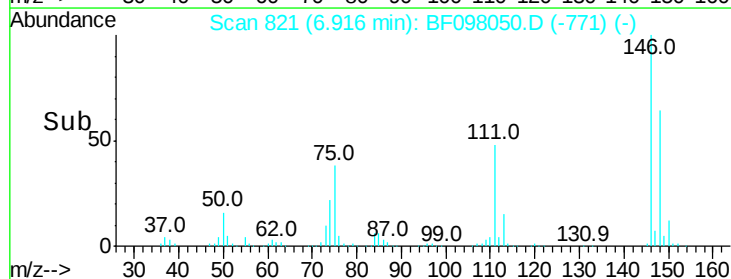
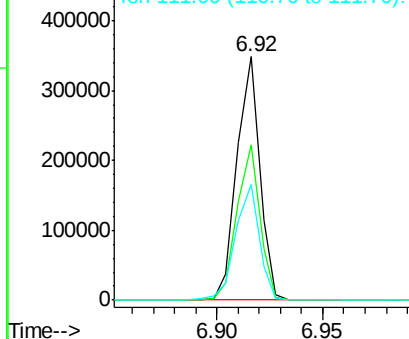


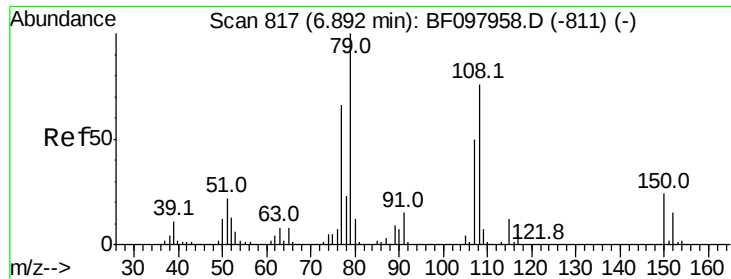
Abundance

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





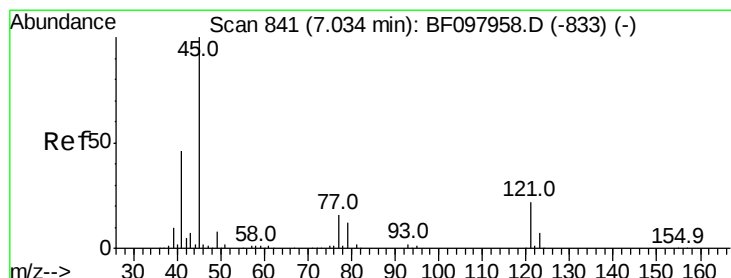
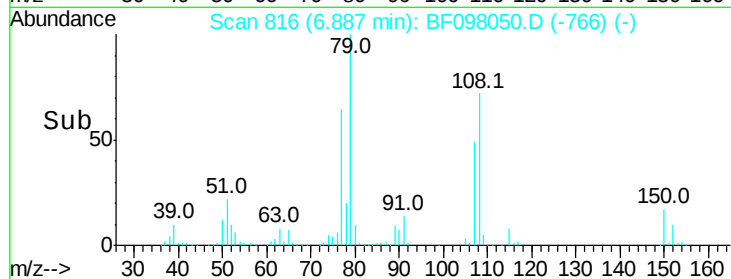
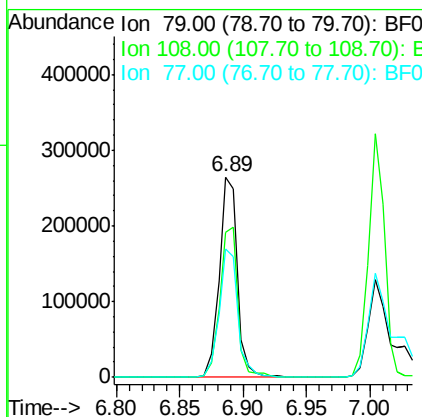
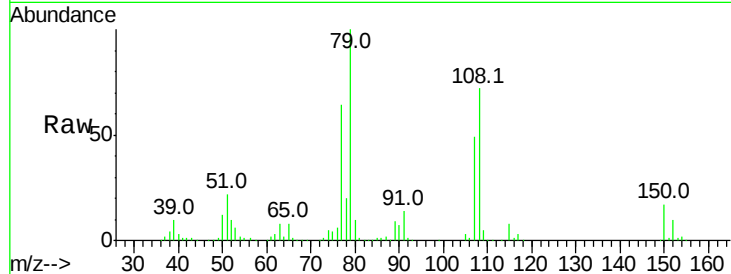
#15
Benzyl Alcohol
Concen: 39.566 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.2	63.4	95.0
77	63.8	49.2	73.8

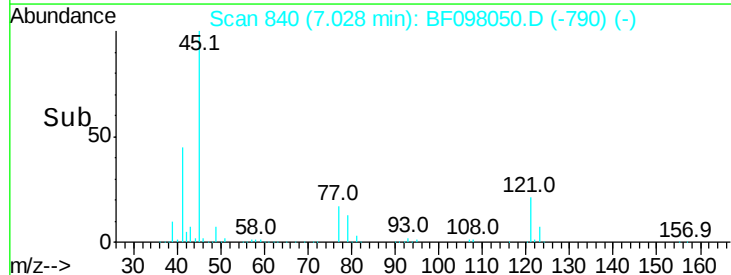
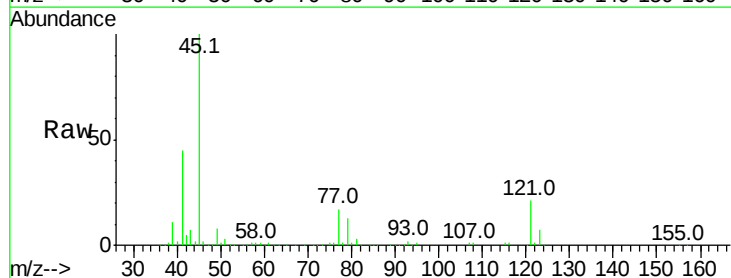
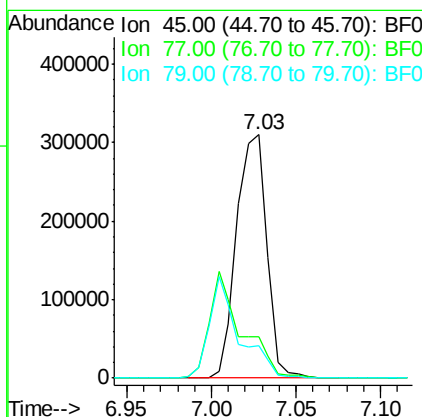
Manual Integrations
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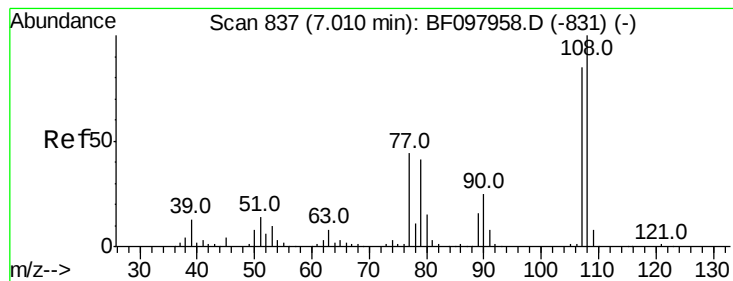
Sohil
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.227 ng
RT: 7.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	33.2
79	13.5	0.0	30.0





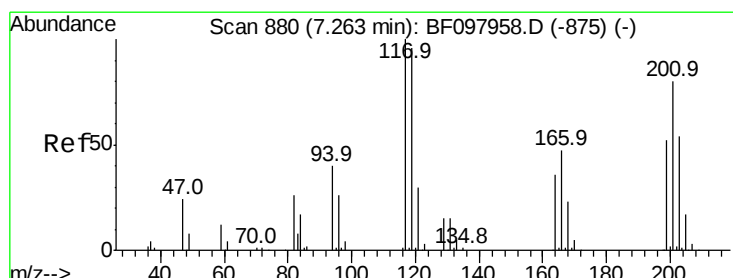
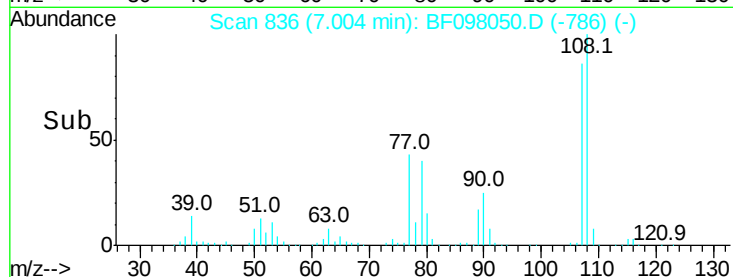
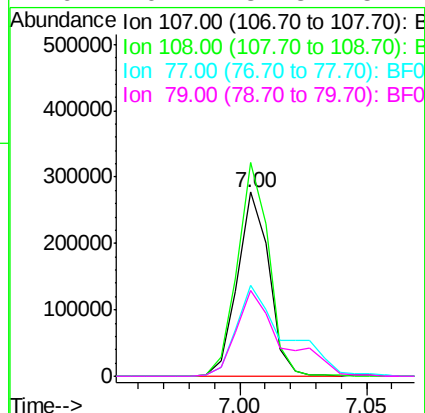
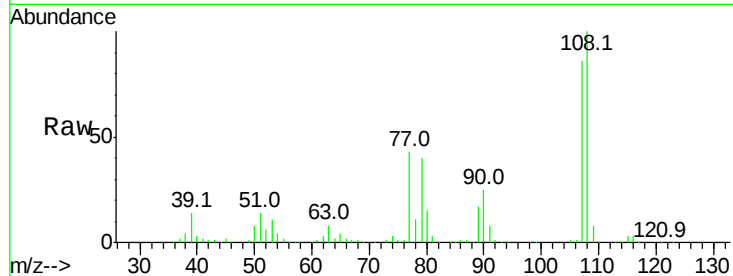
#17
2-Methylphenol
Concen: 39.005 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.2	93.4	140.0	
77	49.4	35.8	53.6	
79	46.7	34.8	52.2	

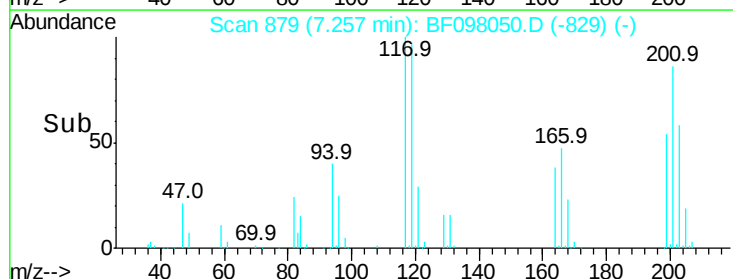
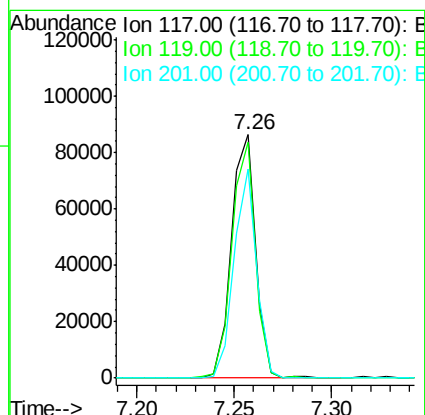
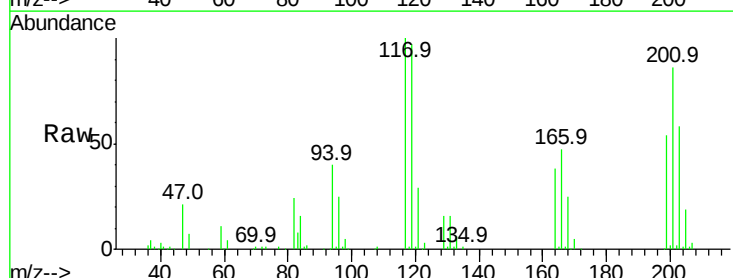
Manual Integrations
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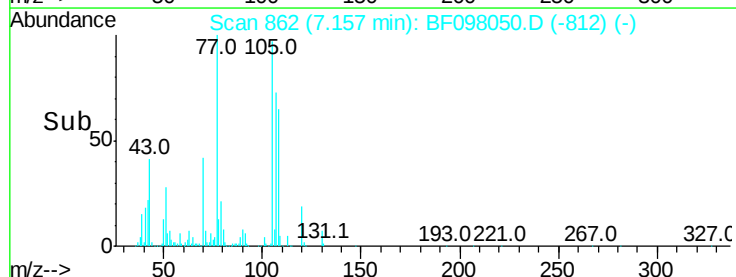
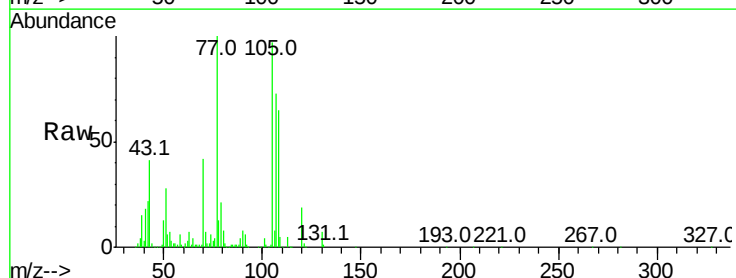
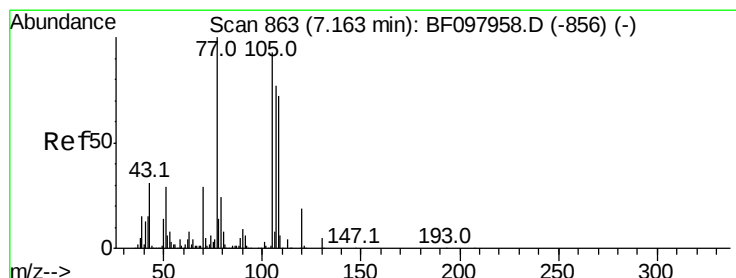
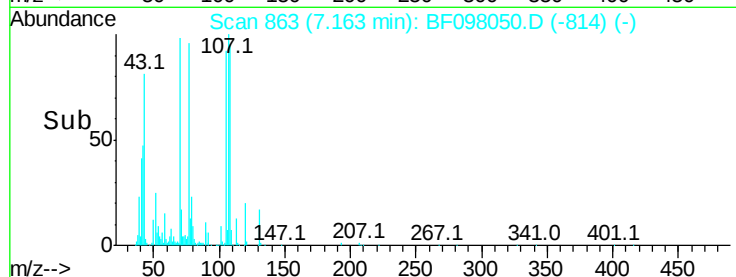
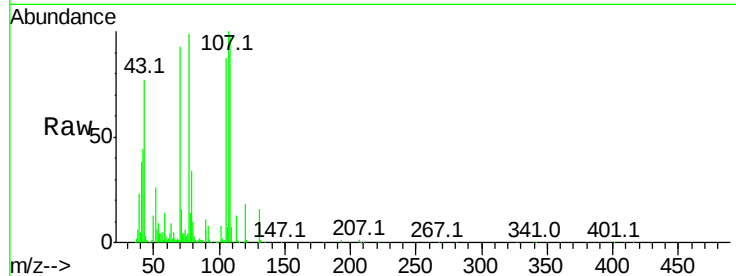
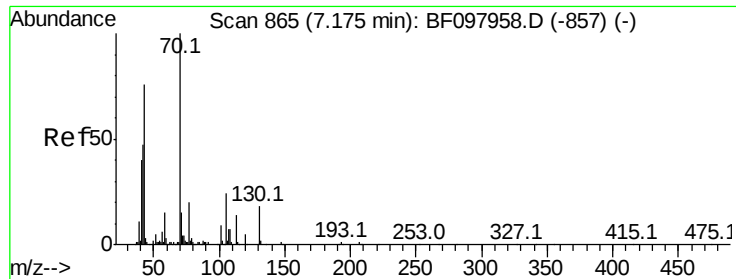
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#18
Hexachloroethane
Concen: 24.813 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

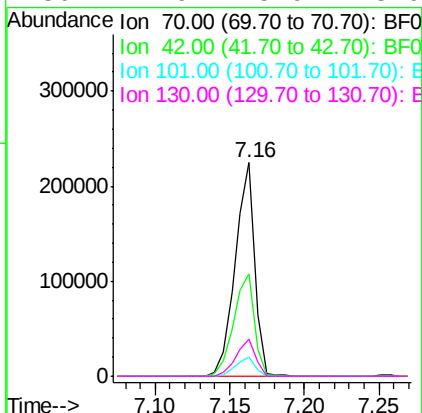
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	77.4	116.0	
201	85.8	94.6	141.8#	





#19
n-Nitroso-di-n-propylamine
Concen: 33.624 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	47.9	47.2	70.8		
101	8.8	7.2	10.8		
130	17.6	15.9	23.9		



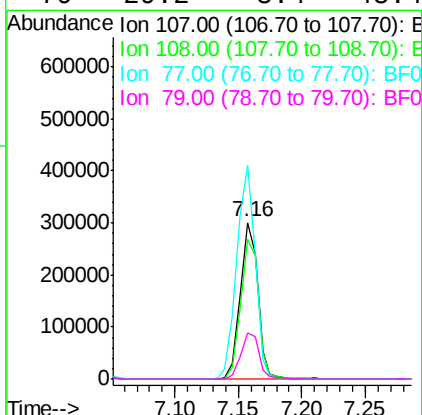
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

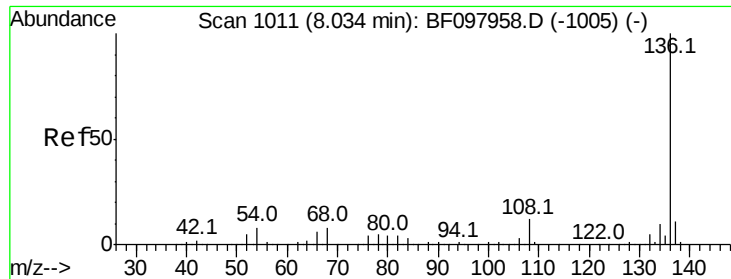
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#20
3+4-Methylphenols
Concen: 38.198 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	89.4	71.0	111.0		
77	136.7	90.5	130.5#		
79	29.2	8.4	48.4		





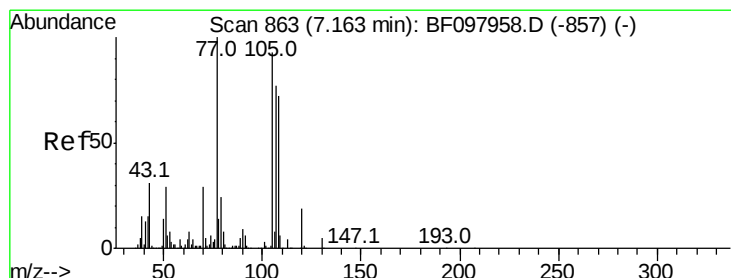
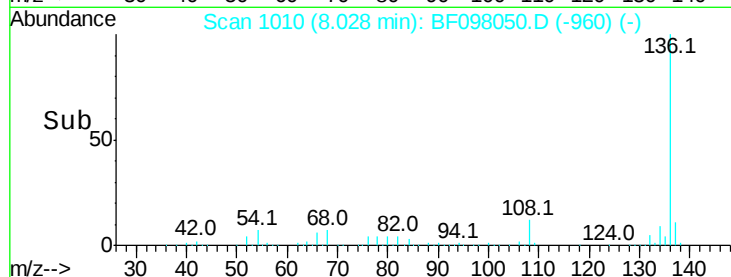
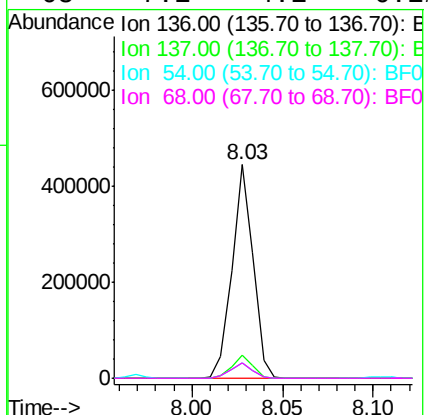
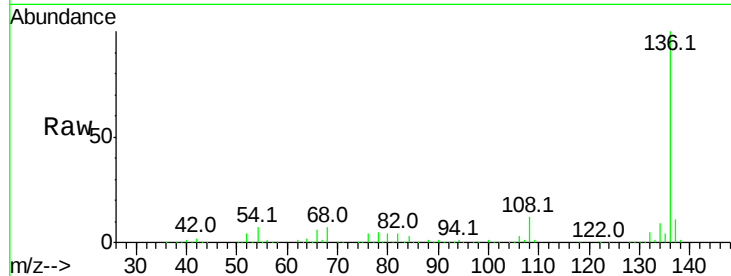
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.3	4.9	7.3#
68	7.1	4.1	6.1#

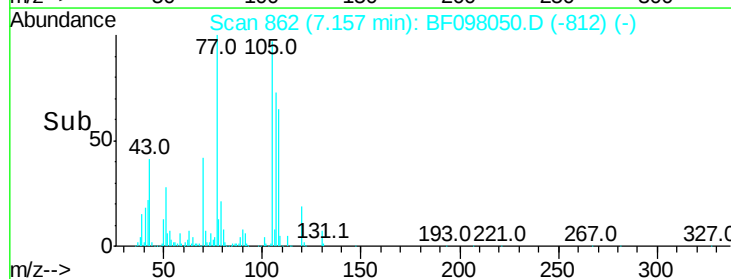
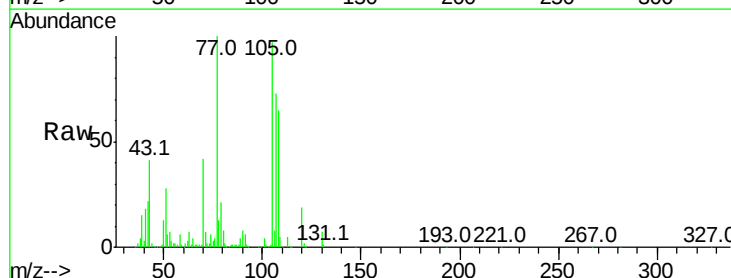
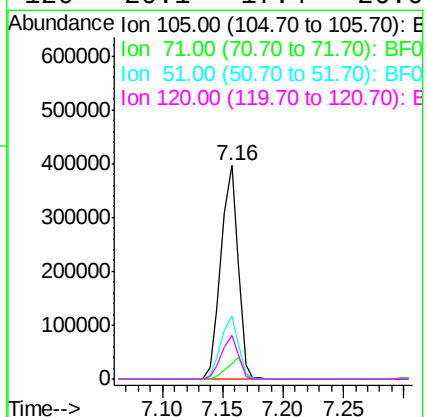
Manual Integrations
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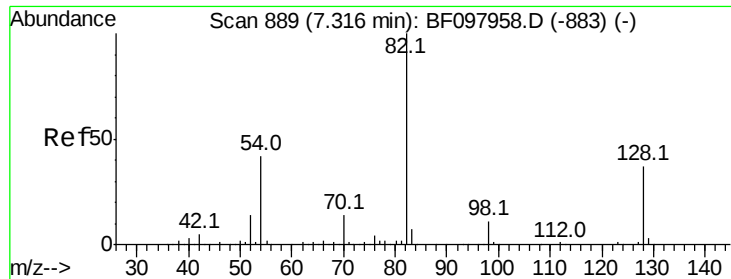
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#22
Acetophenone
Concen: 40.836 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	7.3	2.8	4.2#
51	29.5	30.7	46.1#
120	20.1	17.4	26.0





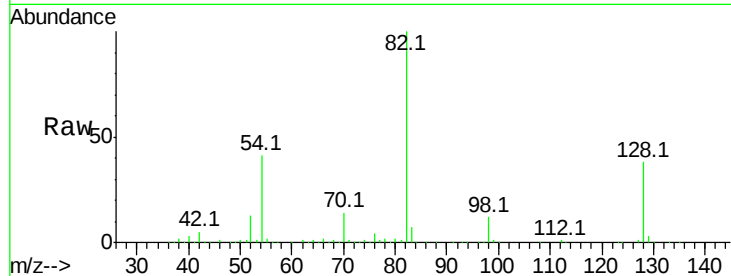
#23
 Nitrobenzene-d5
 Concen: 79.327 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

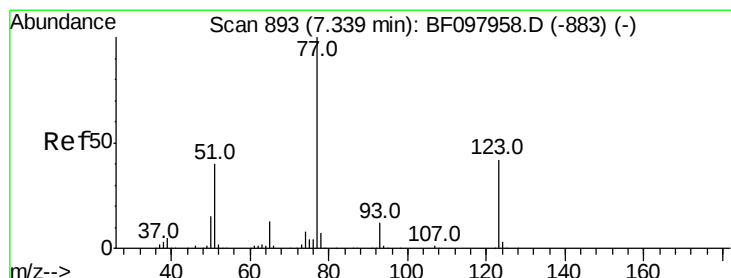
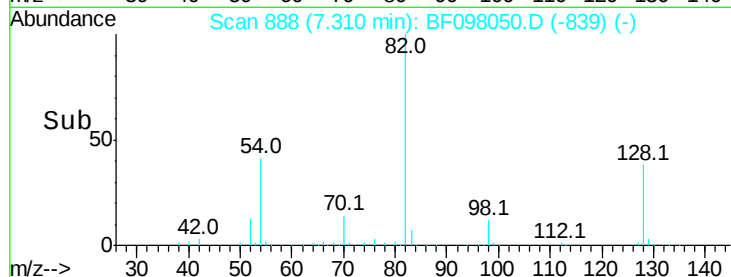
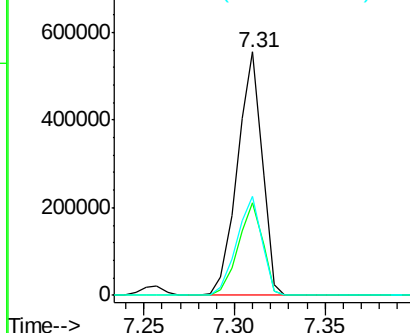
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.1	34.0	51.0	
54	40.9	42.2	63.2	

Manual Integrations
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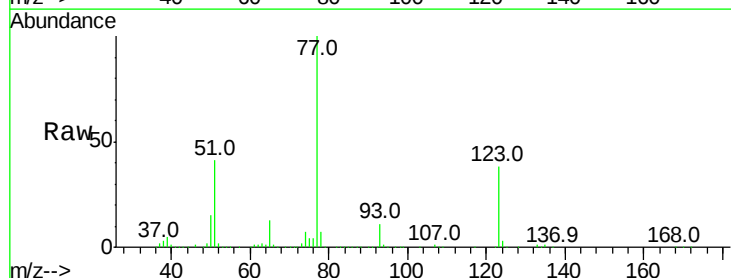


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

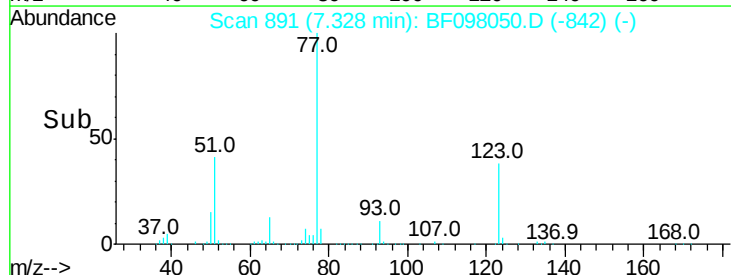
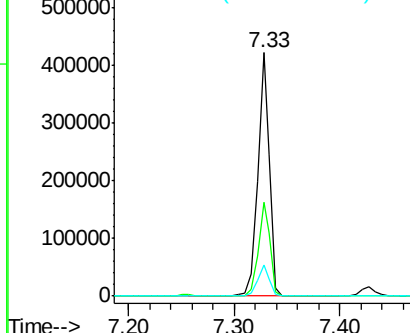


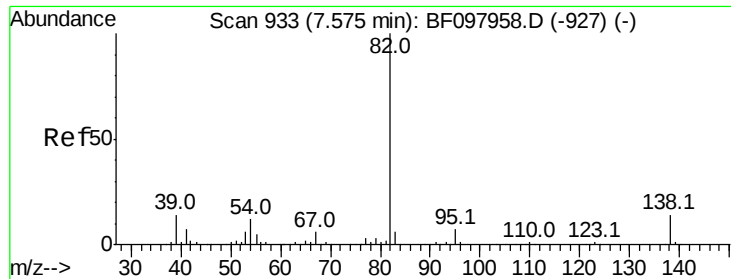
#24
 Nitrobenzene
 Concen: 44.788 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	38.3	35.8	53.8	
65	13.0	10.6	15.8	



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 40.705 ng

RT: 7.57 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

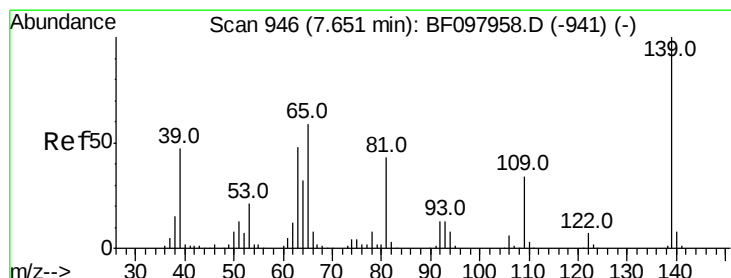
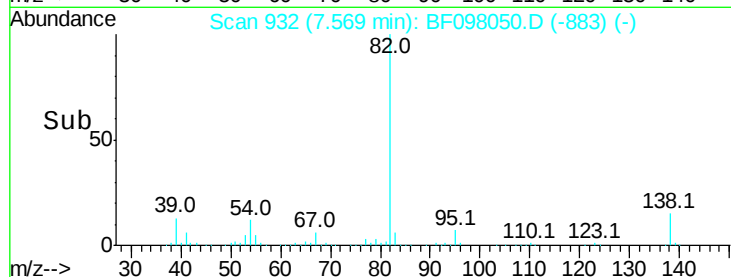
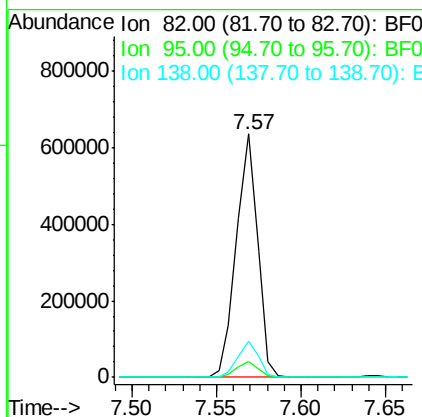
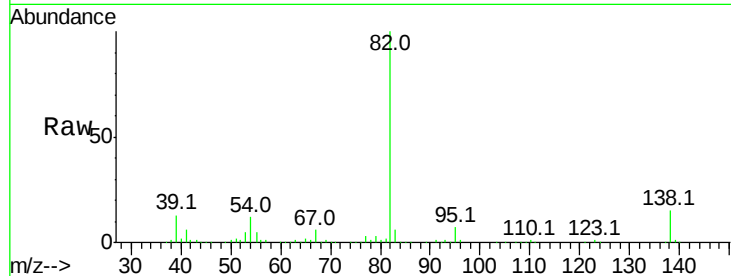
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	82	Resp:	561167
Ion Ratio		Lower	Upper
82	100		
95	6.5	5.3	7.9
138	14.8	13.1	19.7

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#26

2-Nitrophenol

Concen: 36.410 ng

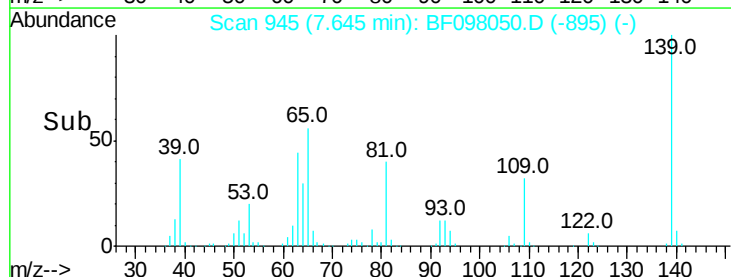
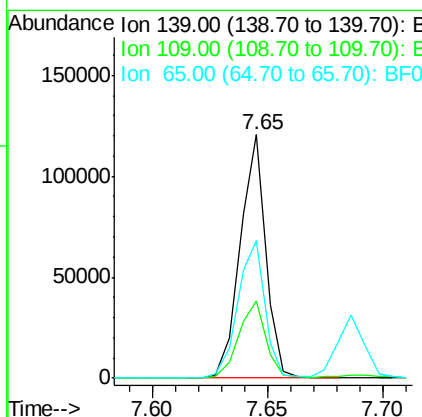
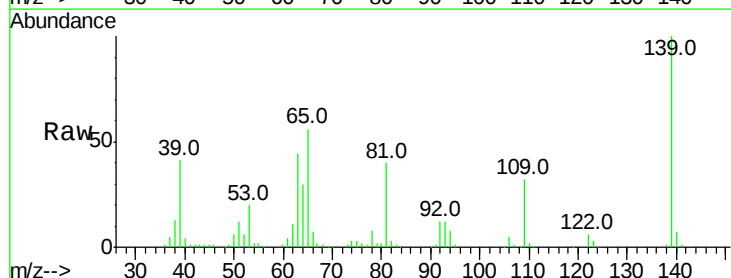
RT: 7.65 min Scan# 945

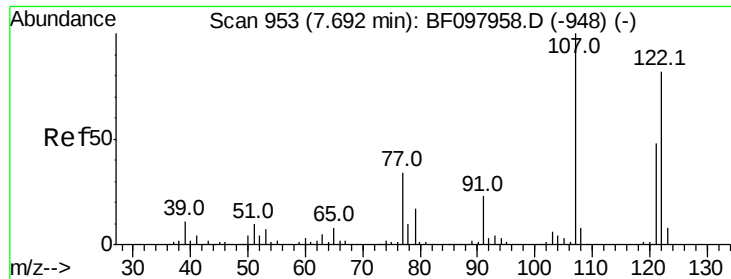
Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	139	Resp:	93566
Ion Ratio		Lower	Upper
139	100		
109	31.9	21.0	31.6#
65	56.4	33.0	49.6#





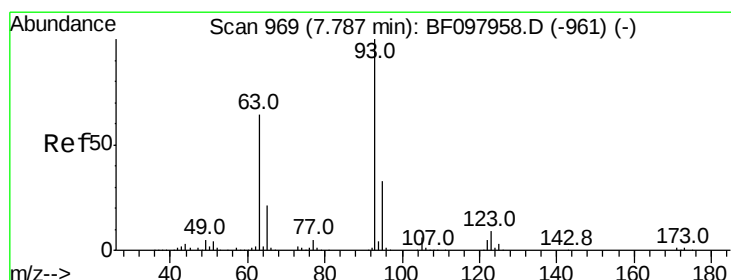
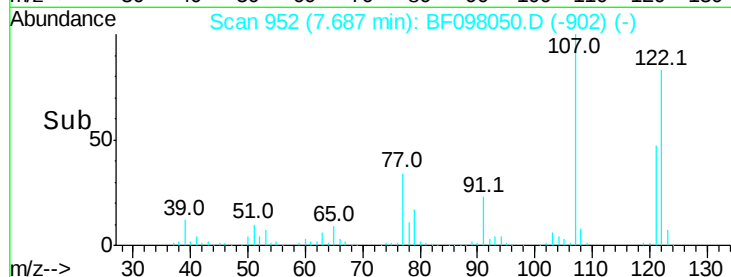
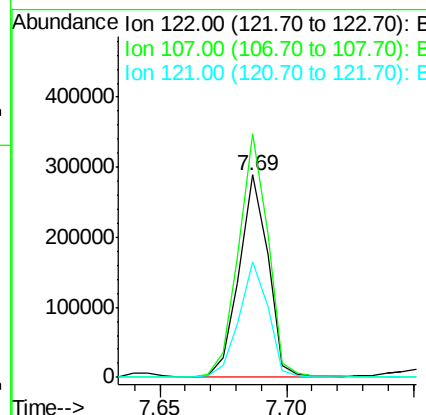
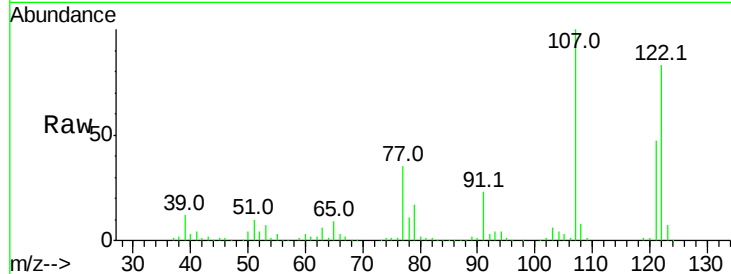
#27
 2,4-Dimethylphenol
 Concen: 40.413 ng
 RT: 7.69 min Scan# 952
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	232357		
107	120.2	89.2	133.8	
121	57.1	45.2	67.8	

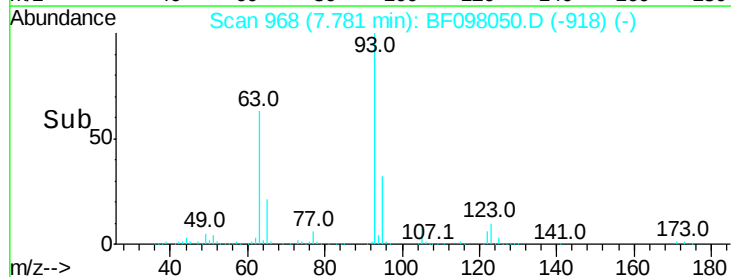
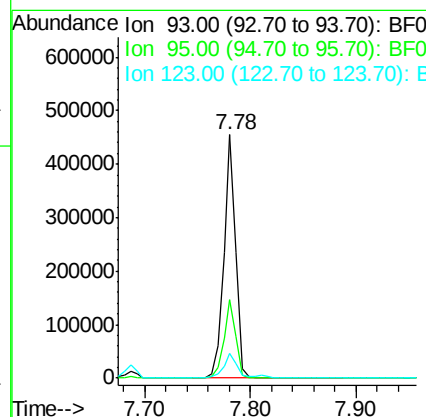
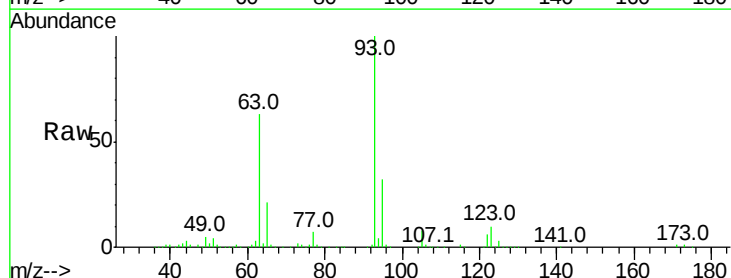
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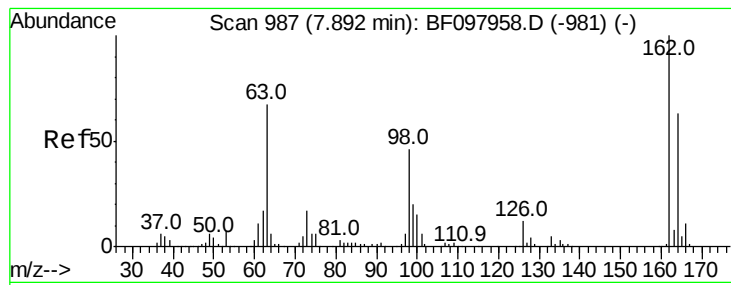
Sohil
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#28
 bis(2-Chloroethoxy)methane
 Concen: 39.931 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	361913		
95	32.4	26.5	39.7	
123	10.0	9.0	13.4	





#29

2,4-Dichlorophenol

Concen: 39.626 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

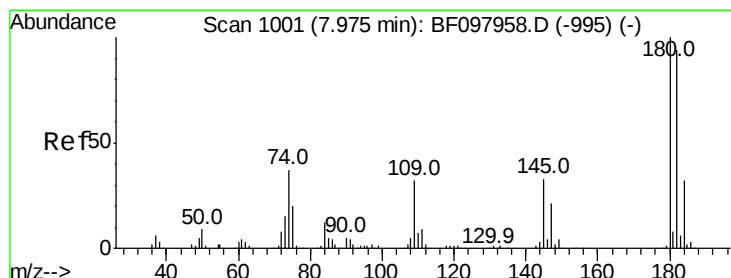
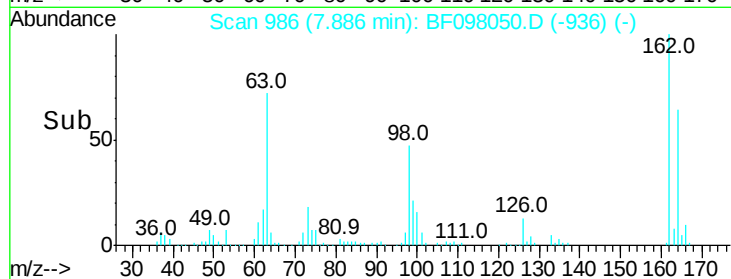
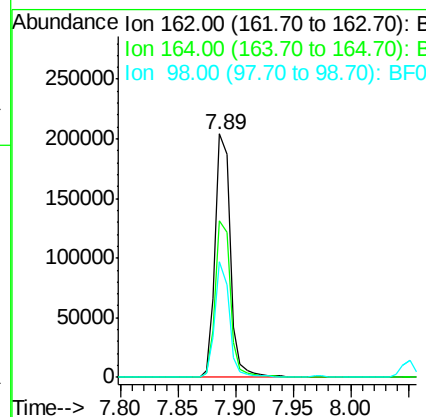
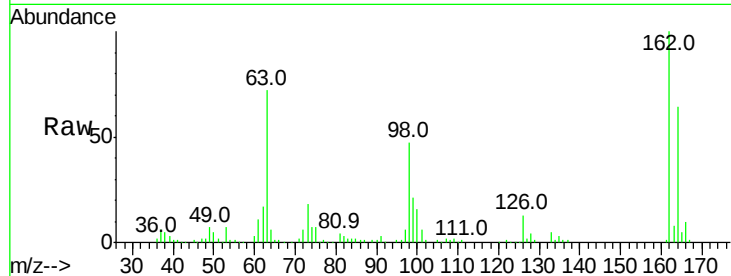
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	162	Resp:	189123
Ion Ratio	Lower	Upper	
162	100		
164	64.3	44.6	84.6
98	47.5	14.8	54.8

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#30

1,2,4-Trichlorobenzene

Concen: 37.564 ng

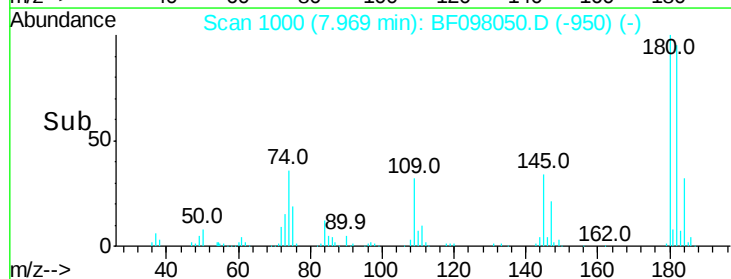
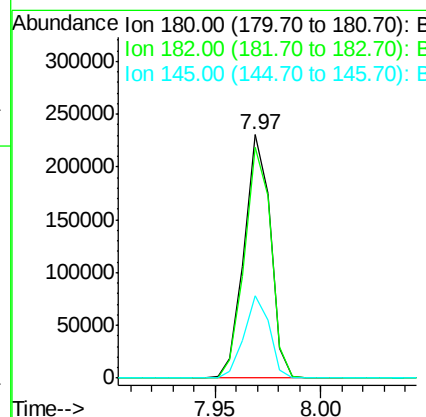
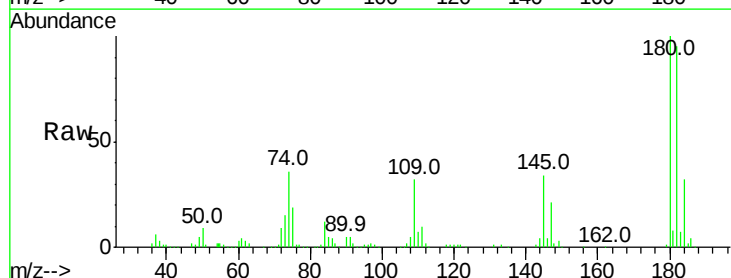
RT: 7.97 min Scan# 1000

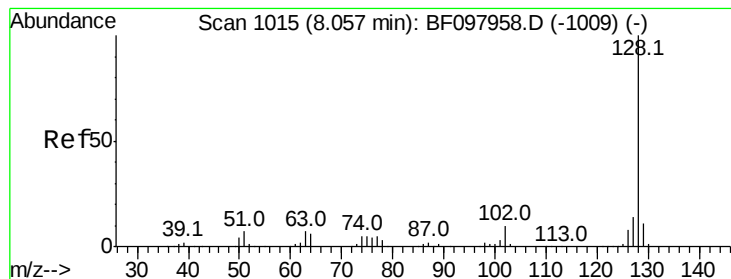
Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	180	Resp:	198744
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.8	113.6
145	33.6	25.3	37.9





#31

Naphthalene

Concen: 38.563 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

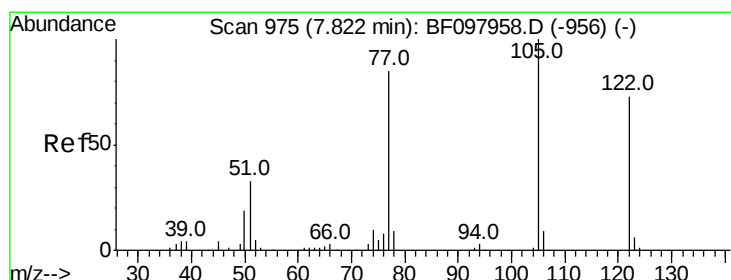
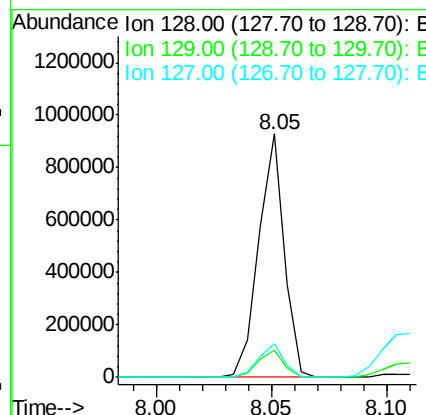
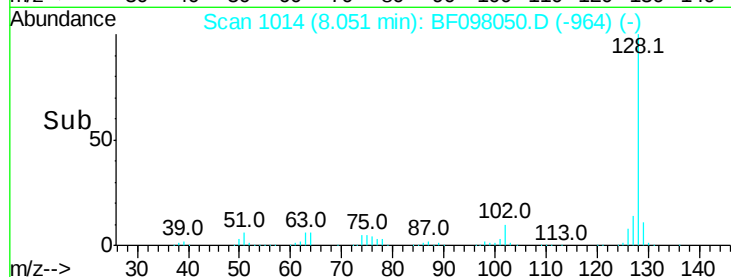
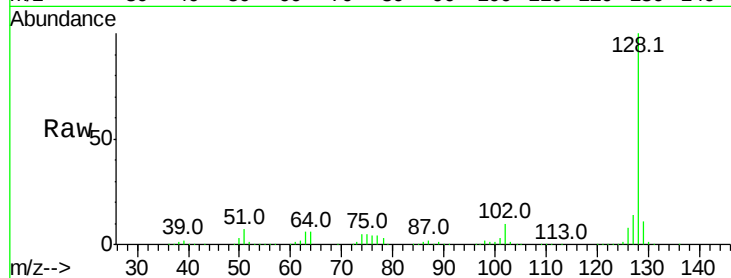
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	128	Resp:	721058
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.7	10.8	16.2

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#32

Benzoic acid

Concen: 35.546 ng

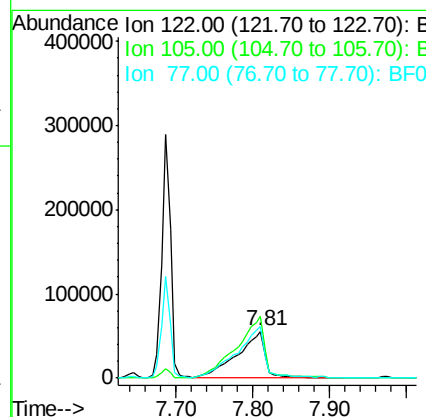
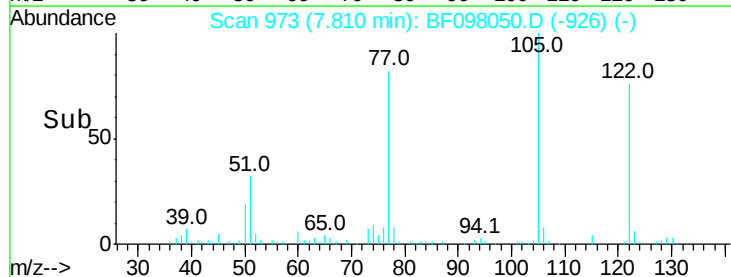
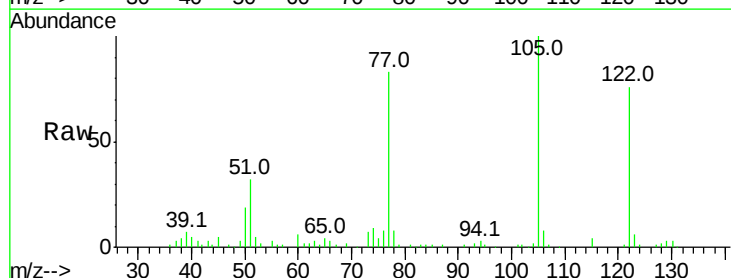
RT: 7.81 min Scan# 973

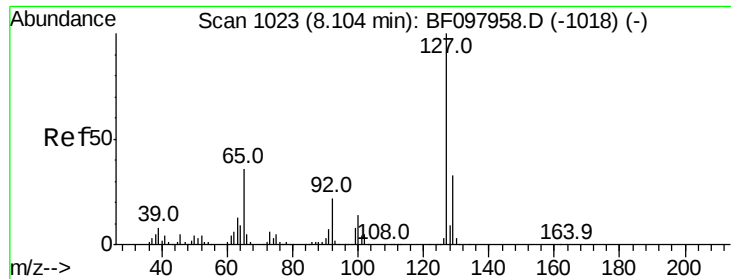
Delta R.T. -0.02 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	122	Resp:	140874
Ion Ratio	Lower	Upper	
122	100		
105	132.4	103.3	143.3
77	109.3	73.7	113.7





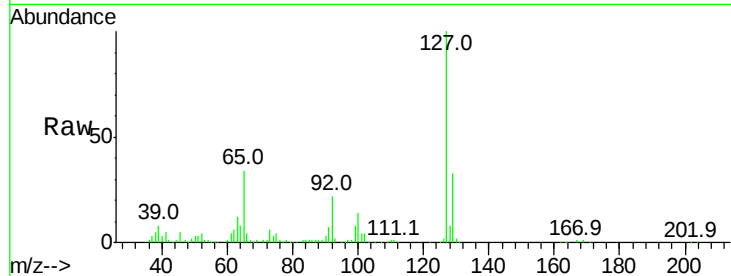
#33
 4-Chloroaniline
 Concen: 30.636 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. 0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

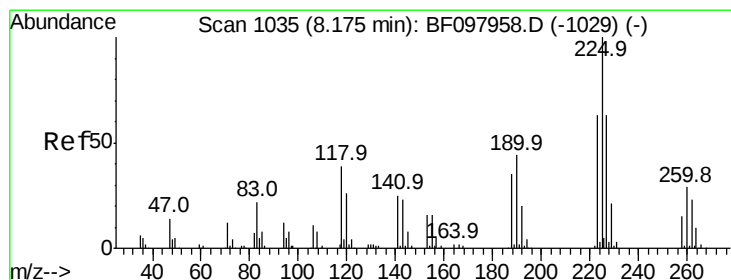
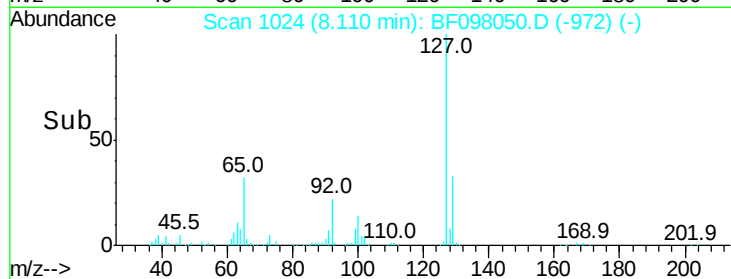
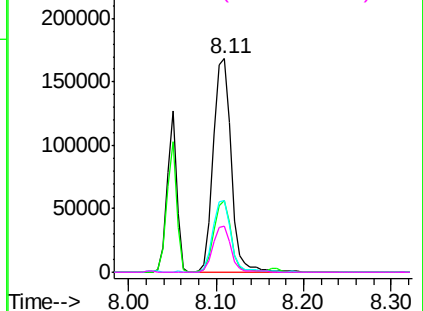
Tot Ion:	127	Resp:	241589
Ion Ratio	Lower	Upper	
127	100		
129	33.3	26.2	39.2
65	33.6	27.8	41.8
92	21.9	16.8	25.2

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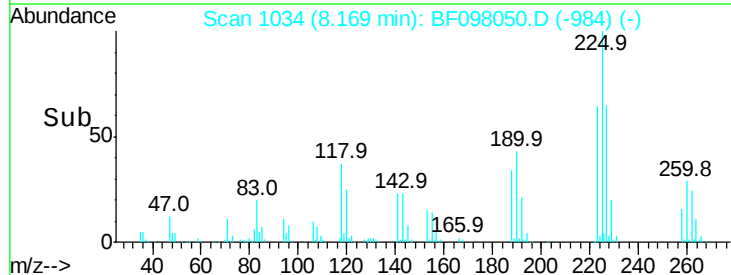
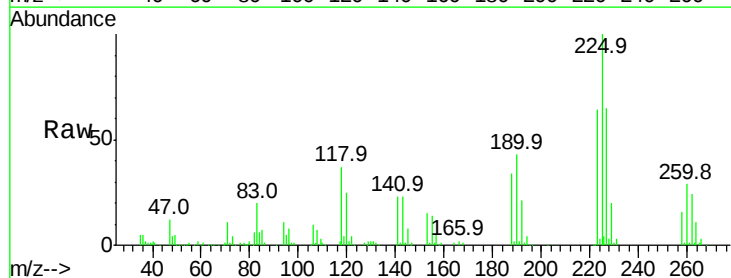
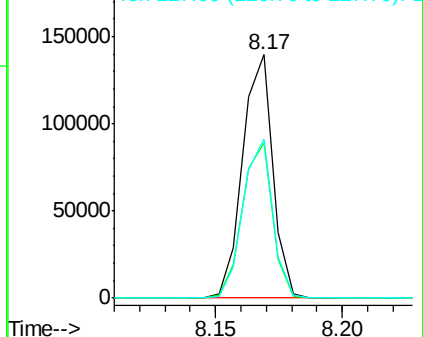
Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

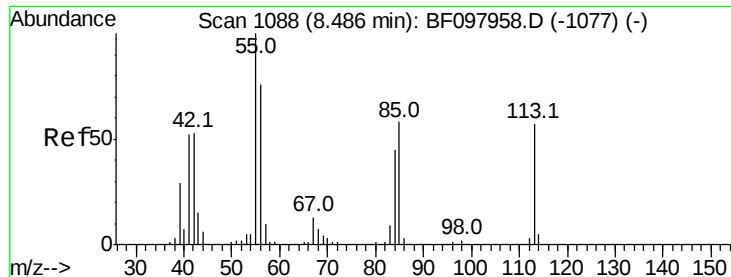


#34
 Hexachlorobutadiene
 Concen: 37.318 ng
 RT: 8.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion:	225	Resp:	115281
Ion Ratio	Lower	Upper	
225	100		
223	63.7	48.8	73.2
227	65.2	51.1	76.7

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





#35

Caprolactam

Concen: 40.162 ng

RT: 8.46 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

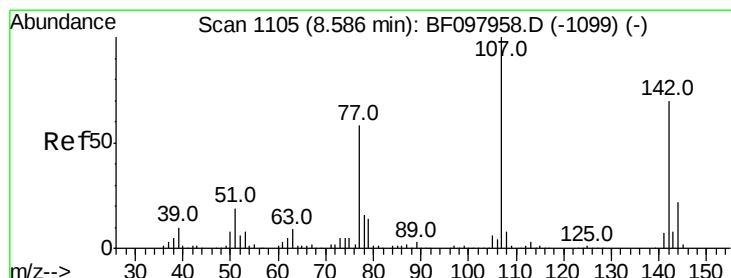
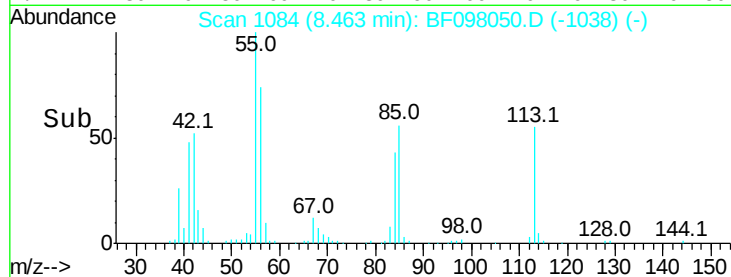
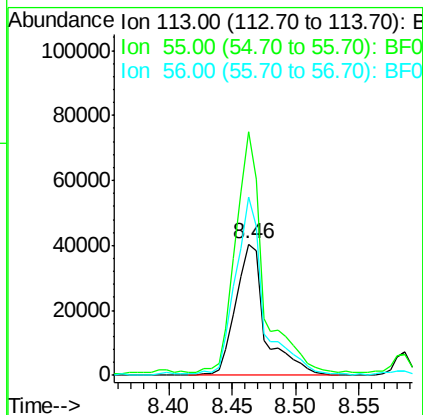
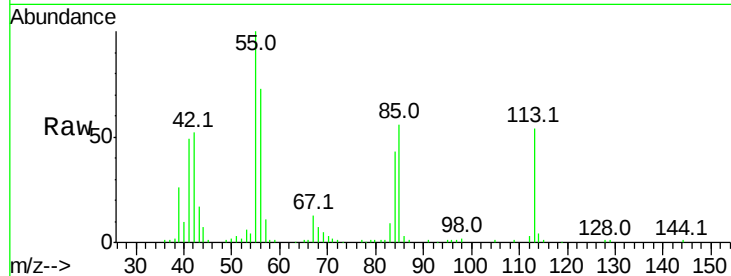
ClientSampleID :

IRON-LEAF-TOPSOILMSD

Tot Ion:113 Resp: 65165
 Ion Ratio Lower Upper
 113 100
 55 185.0 150.2 190.2
 56 135.9 107.8 147.8

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#36

4-Chloro-3-methylphenol

Concen: 35.234 ng

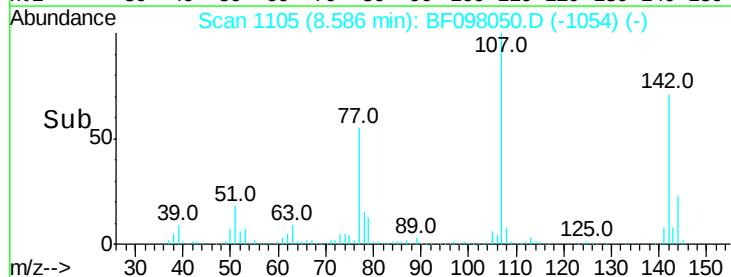
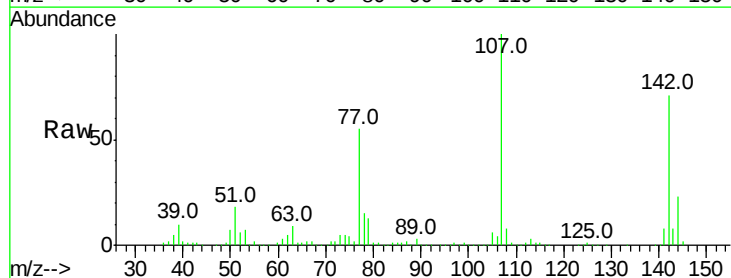
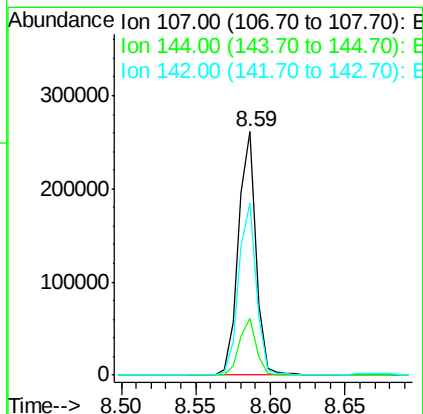
RT: 8.59 min Scan# 1105

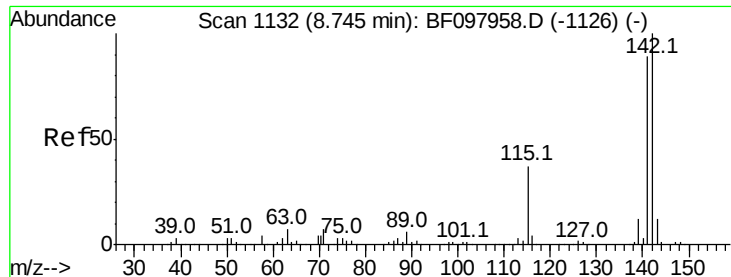
Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:107 Resp: 216060
 Ion Ratio Lower Upper
 107 100
 144 23.3 24.2 36.4#
 142 70.8 73.4 110.0#





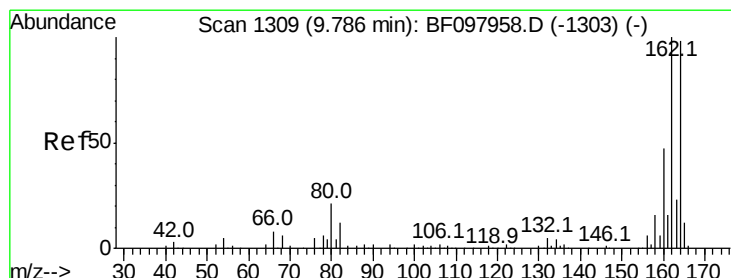
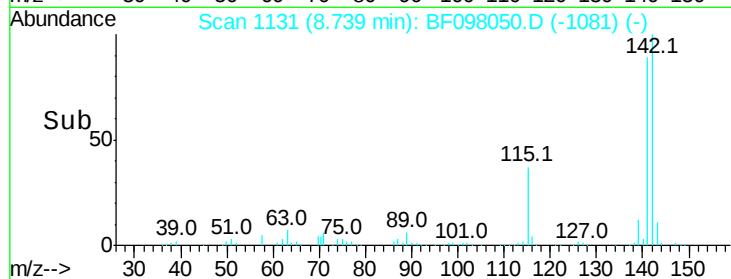
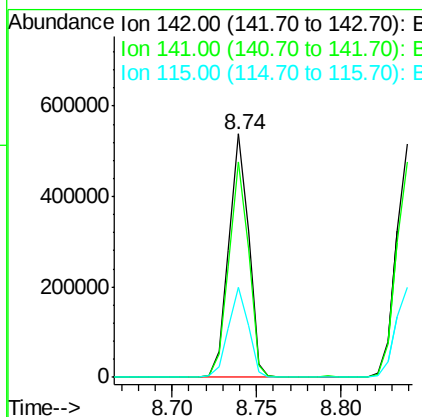
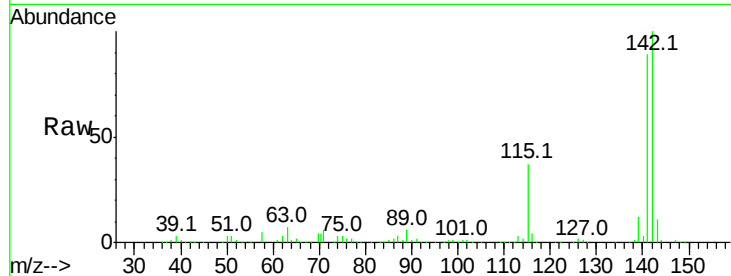
#37
2-Methylnaphthalene
Concen: 38.318 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9
115	36.9	27.1	40.7

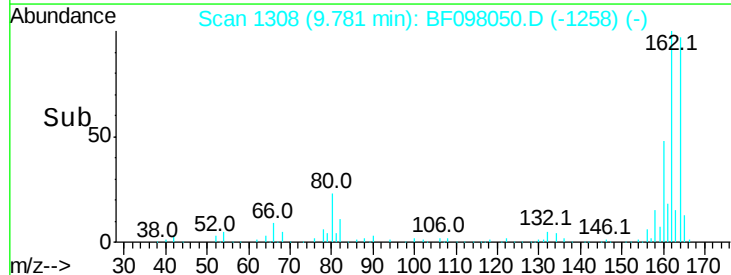
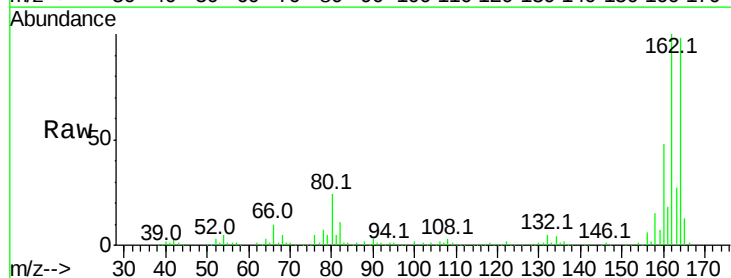
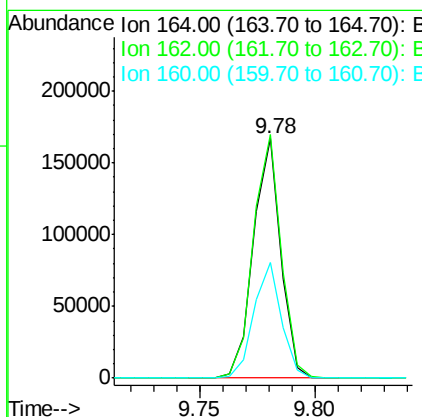
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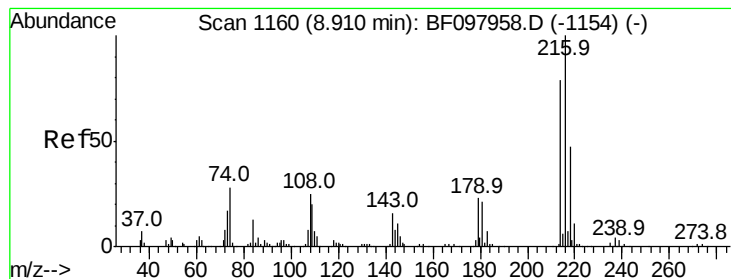
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	48.6	36.2	54.2





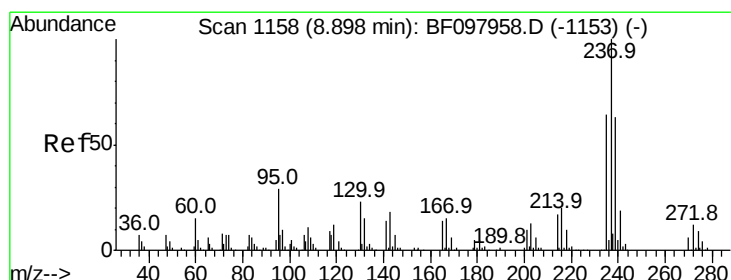
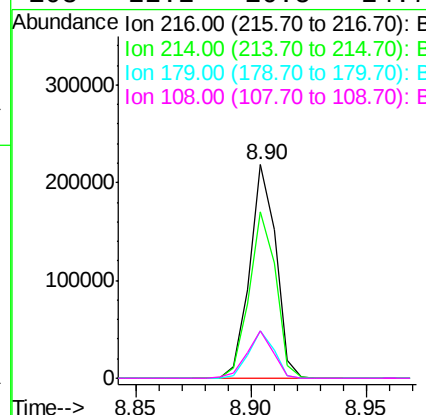
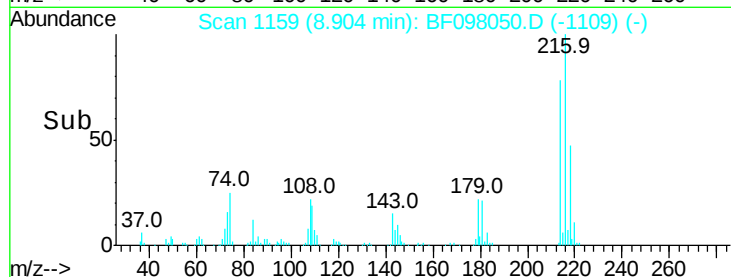
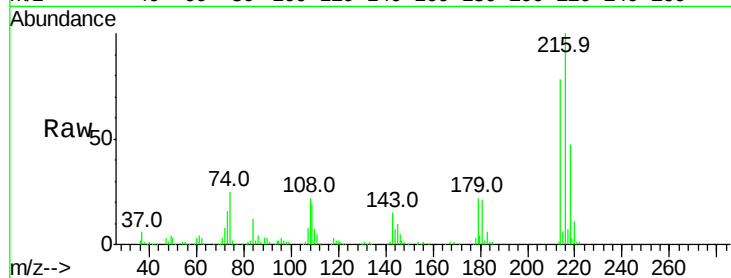
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.109 ng
 RT: 8.90 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	174570		
214	79.1	63.4	95.2	
179	21.7	17.9	26.9	
108	22.2	16.5	24.7	

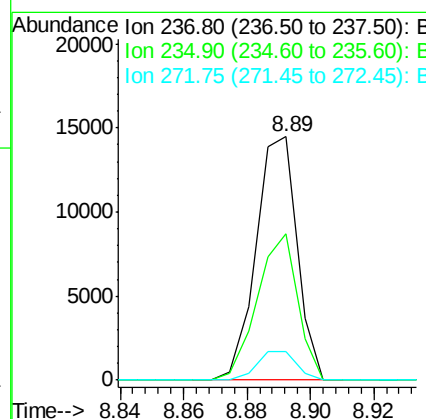
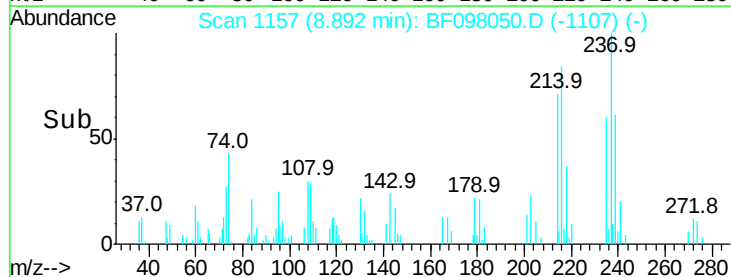
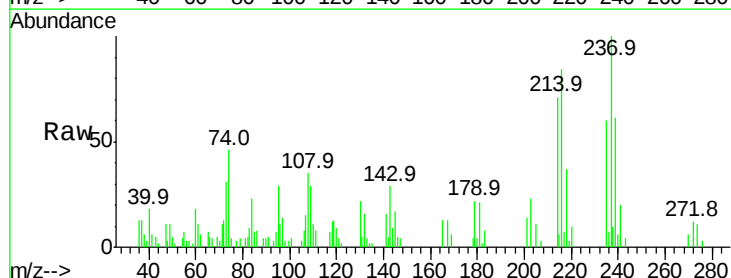
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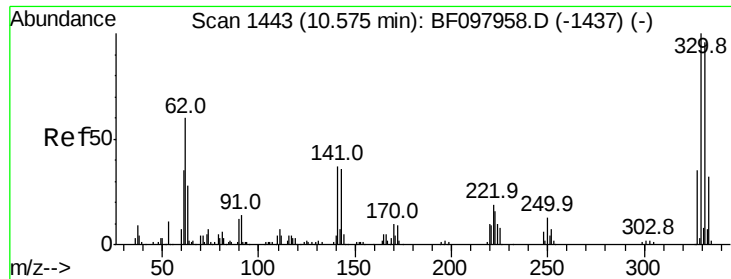
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#40
 Hexachlorocyclopentadiene
 Concen: 6.384 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	13024		
235	59.9	42.6	82.6	
272	11.8	0.0	31.9	





#41

2,4,6-Tribromophenol

Concen: 106.077 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

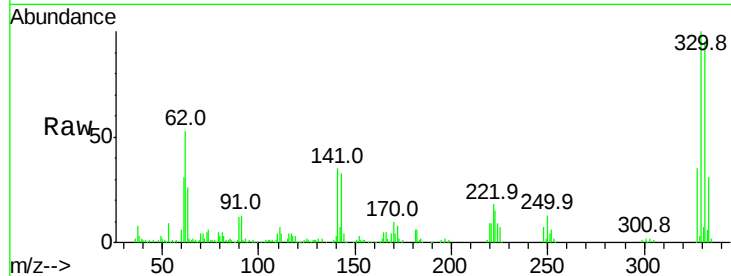
ClientSampleId :

IRON-LEAF-TOPSOILMSD

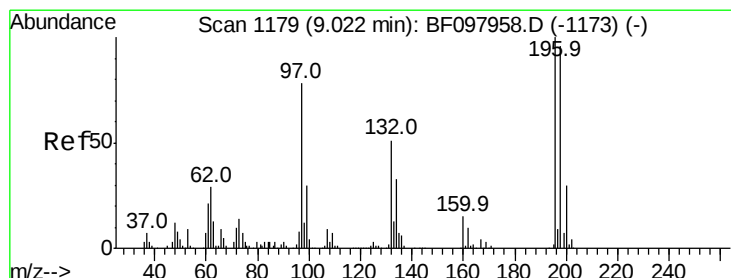
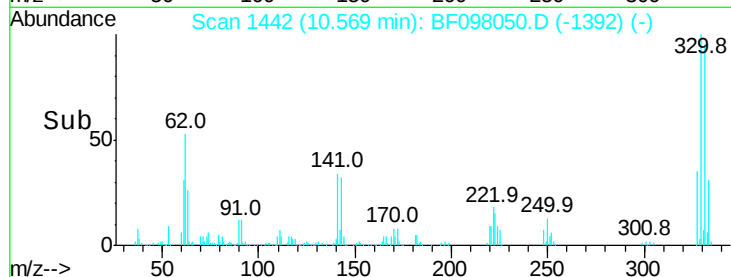
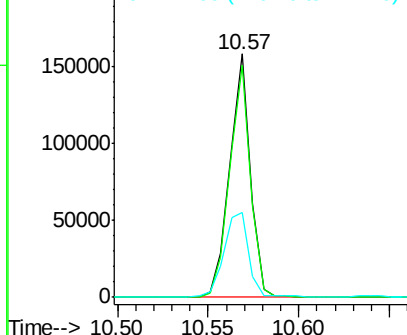
Tot Ion:	330	Resp:	127353
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.6	115.0
141	40.5	31.4	47.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 40.773 ng

RT: 9.02 min Scan# 1179

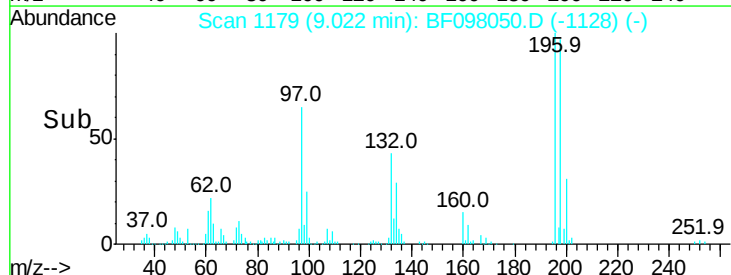
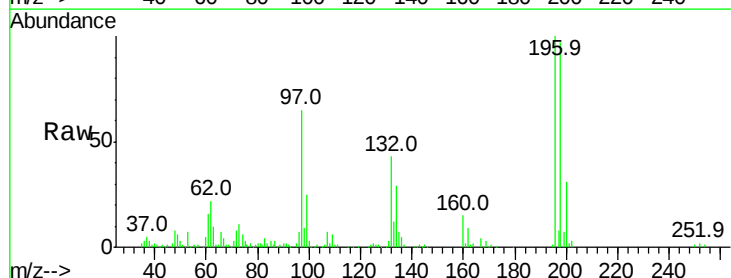
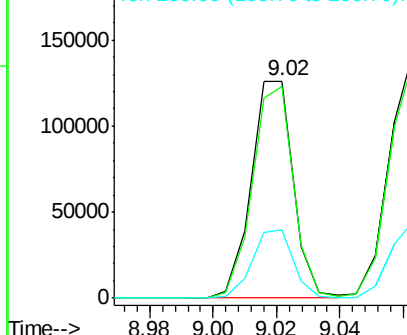
Delta R.T. 0.00 min

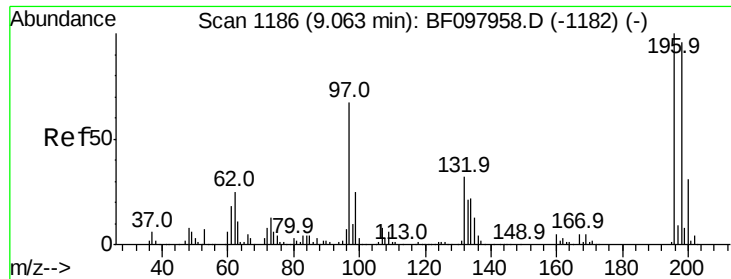
Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	196	Resp:	116242
Ion Ratio	Lower	Upper	
196	100		
198	97.2	74.2	111.4
200	31.3	24.0	36.0

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





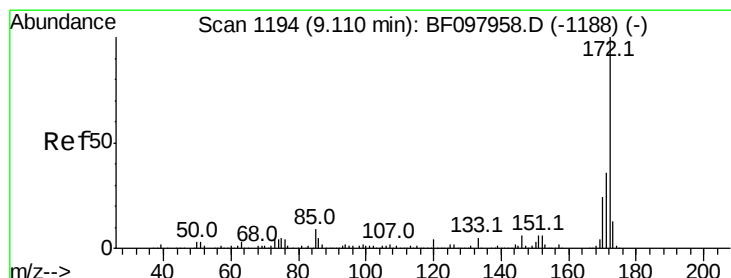
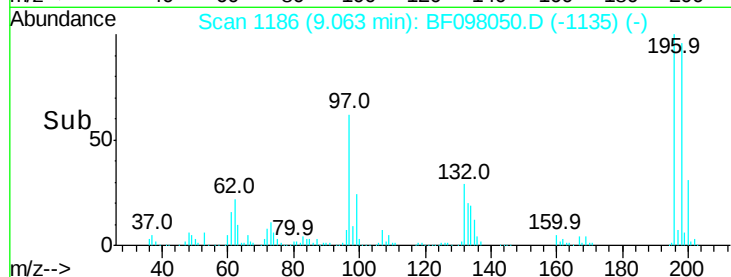
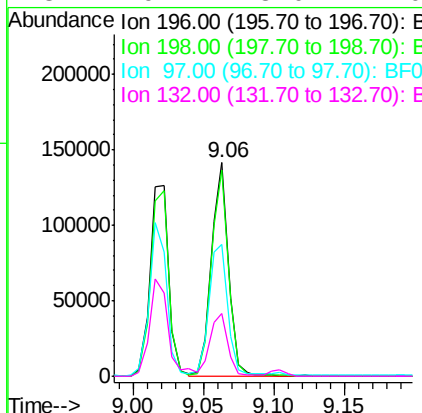
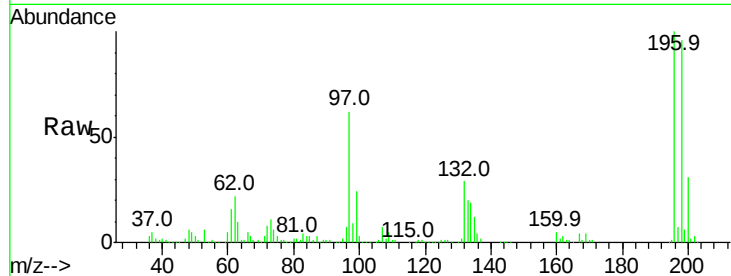
#43
 2,4,5-Trichlorophenol
 Concen: 42.177 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	196	Resp	119294
Ion Ratio	Lower	Upper	
196	100		
198	96.2	75.7	113.5
97	61.9	47.7	71.5
132	29.4	28.0	42.0

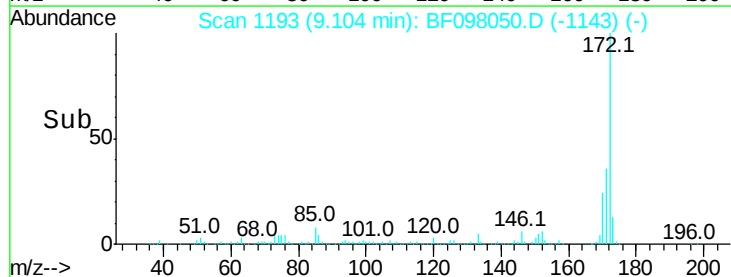
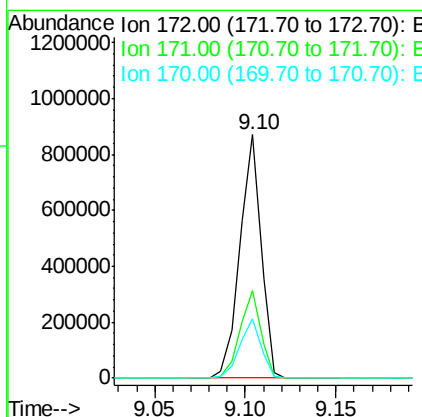
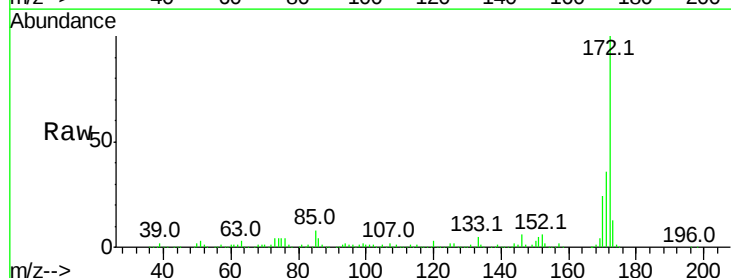
Manual Integrations
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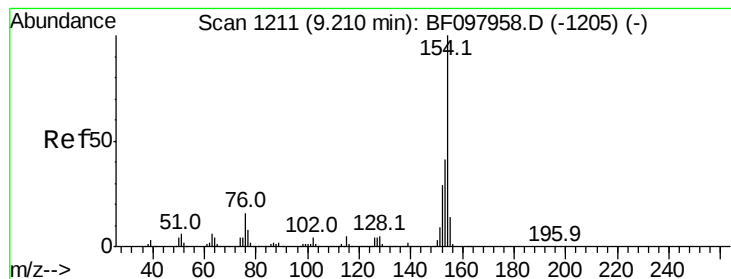
Sohil
 8/28/2017 3:13:37 PM



#44
 2-Fluorobiphenyl
 Concen: 75.176 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	172	Resp	708004
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.6	44.4
170	24.3	19.8	29.8





#45

1,1'-Biphenyl

Concen: 38.816 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

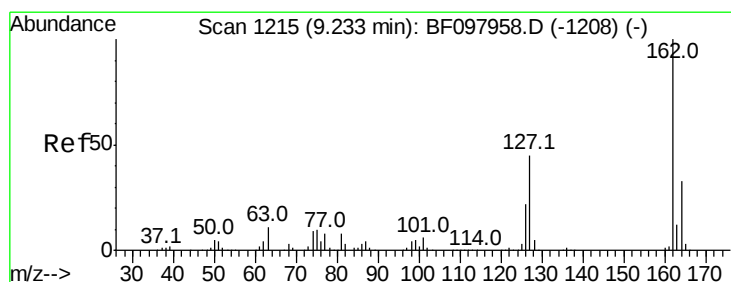
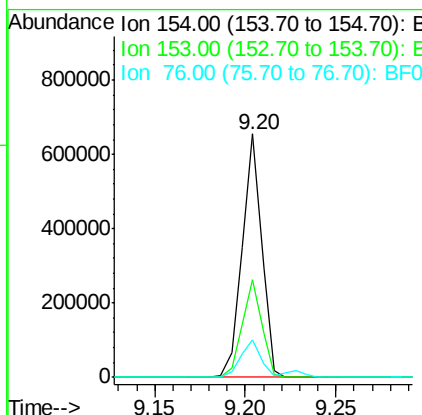
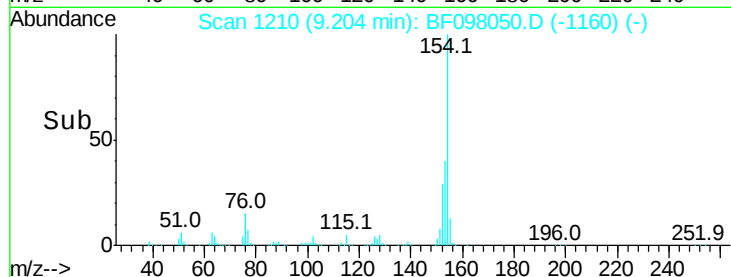
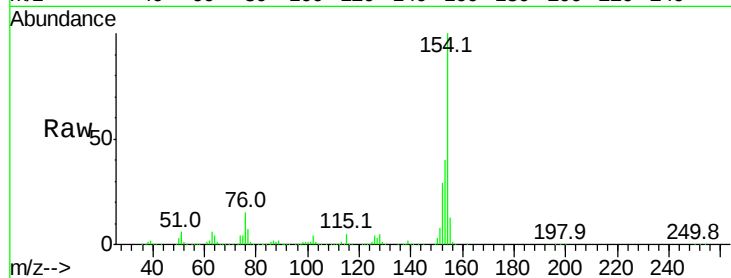
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	154	Resp:	489774
Ion Ratio	Lower	Upper	
154	100		
153	40.0	21.2	61.2
76	15.3	0.0	29.9

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#46

2-Chloronaphthalene

Concen: 38.569 ng

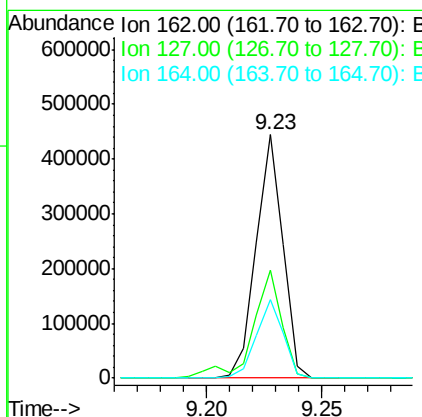
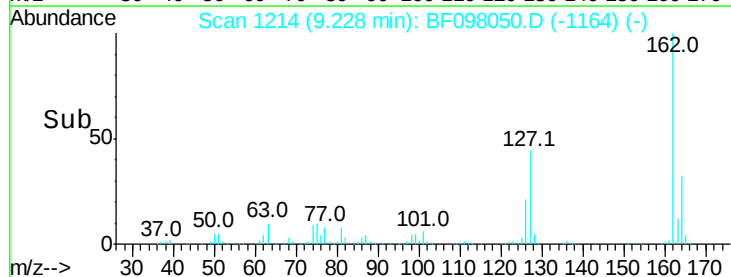
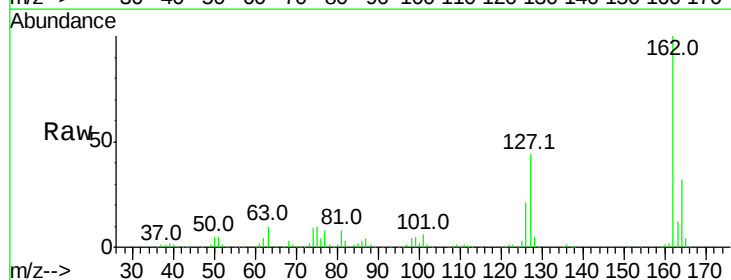
RT: 9.23 min Scan# 1214

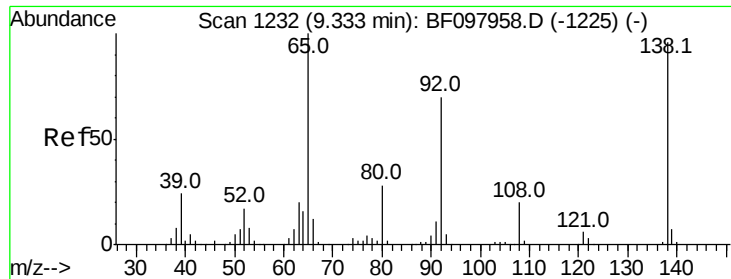
Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	162	Resp:	359586
Ion Ratio	Lower	Upper	
162	100		
127	44.2	28.3	42.5#
164	32.3	27.0	40.4





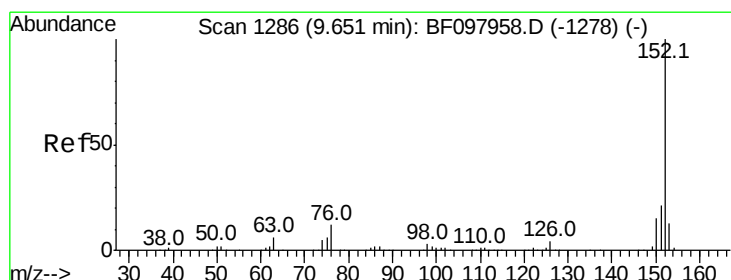
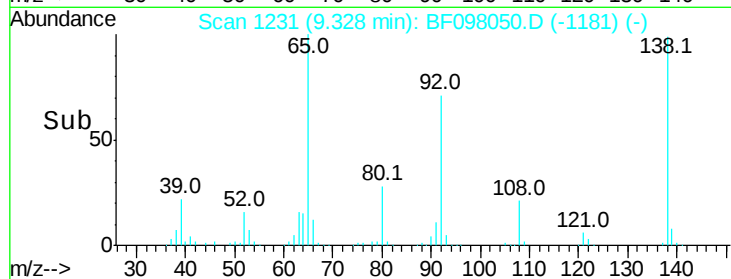
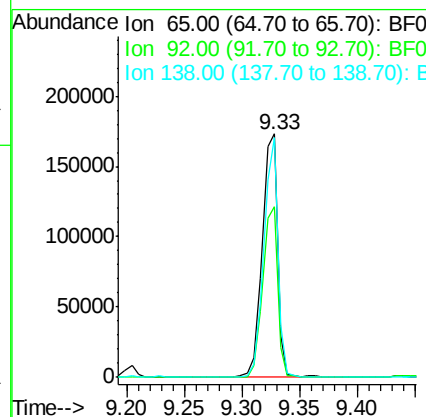
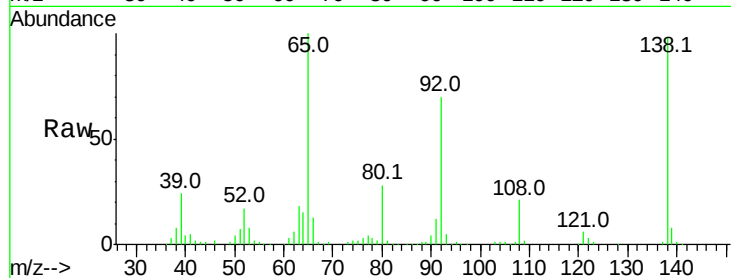
#47
2-Nitroaniline
Concen: 52.390 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	70.1	53.9	80.9
138	98.4	78.8	118.2

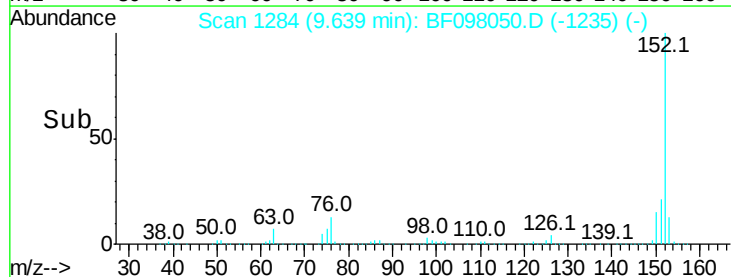
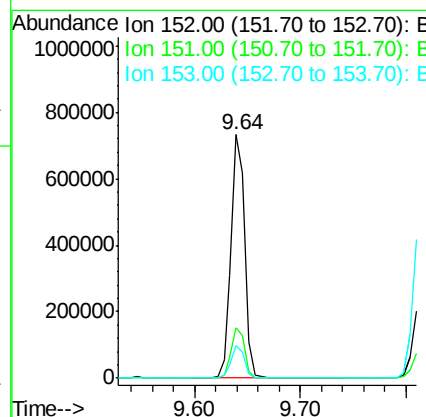
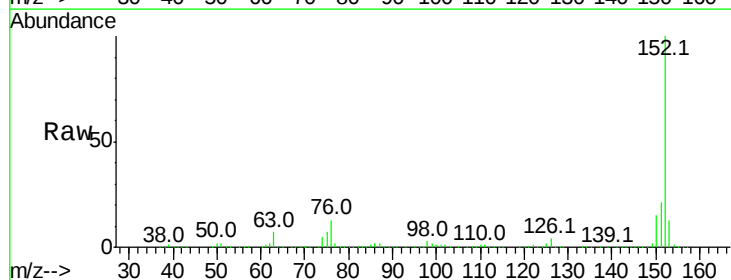
Manual Integrations
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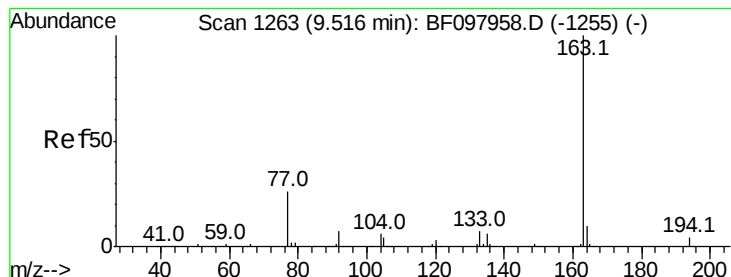
Sohil
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#48
Acenaphthylene
Concen: 44.788 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	13.4	10.8	16.2





#49

Dimethylphthalate

Concen: 49.831 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

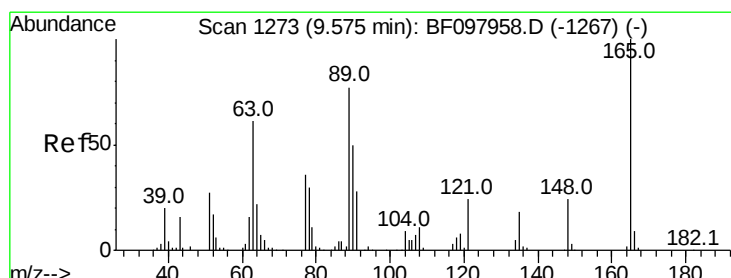
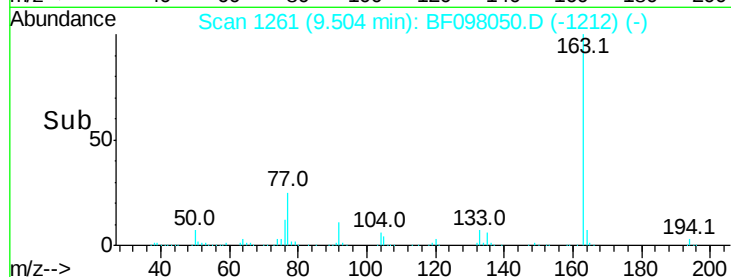
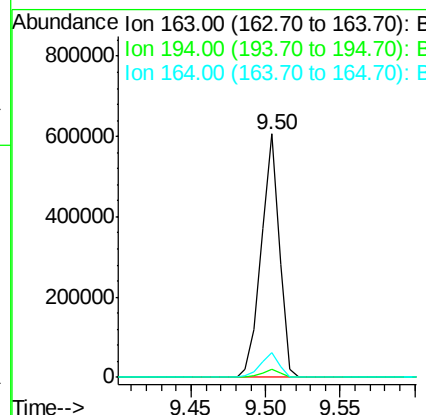
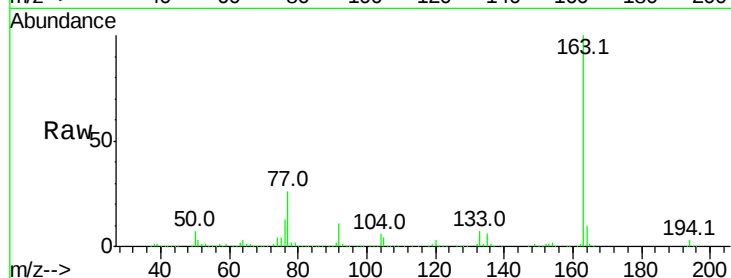
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	163	Resp:	504014
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	9.9	8.4	12.6

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#50

2,6-Dinitrotoluene

Concen: 35.015 ng

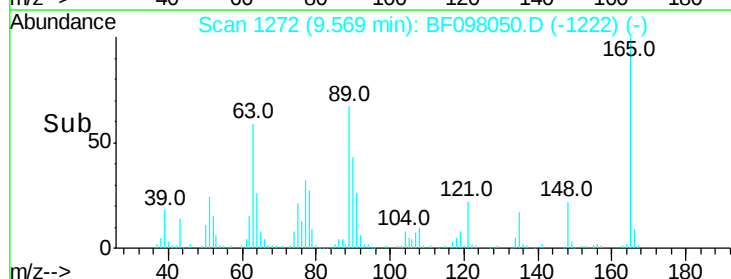
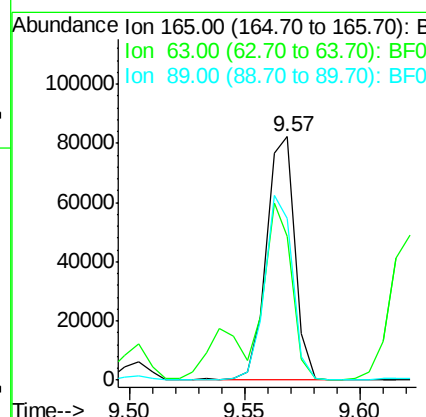
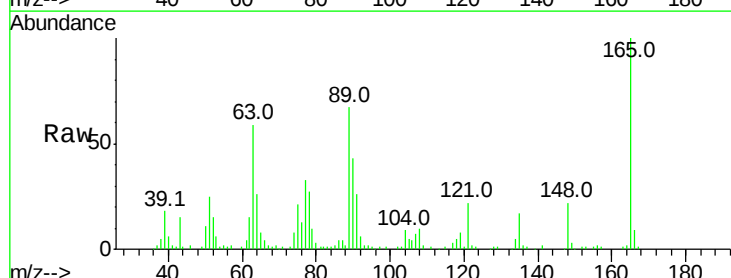
RT: 9.57 min Scan# 1272

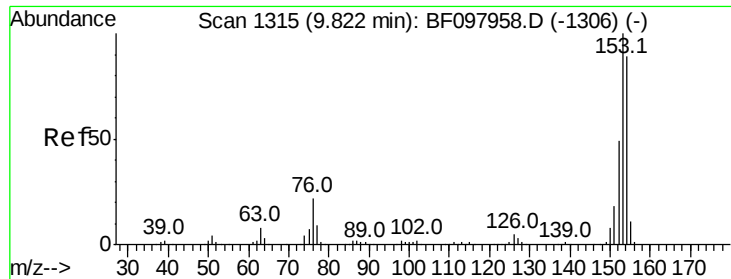
Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	165	Resp:	70693
Ion Ratio	Lower	Upper	
165	100		
63	59.3	34.3	51.5#
89	66.7	37.1	55.7#





#51

Acenaphthene

Concen: 37.671 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

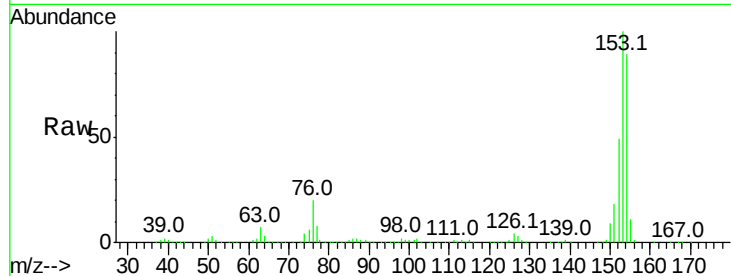
ClientSampleId :

IRON-LEAF-TOPSOILMSD

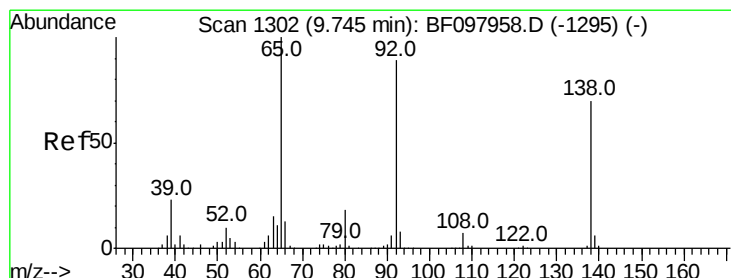
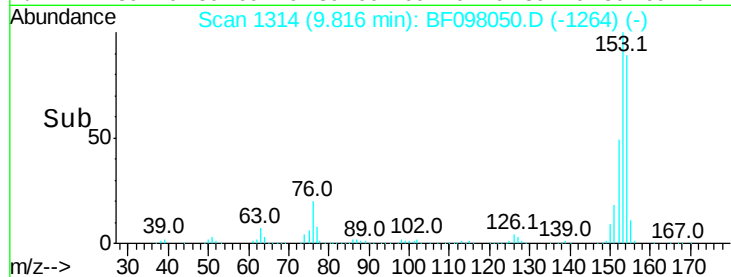
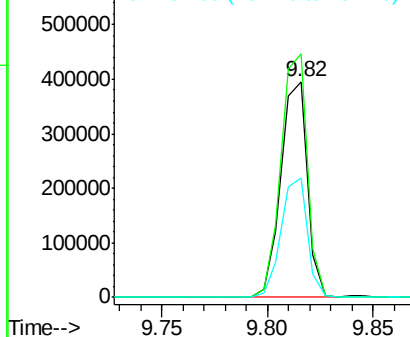
Tot Ion:	154	Resp:	347843
Ion Ratio	Lower	Upper	
154	100		
153	112.8	90.5	135.7
152	55.2	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 45.466 ng

RT: 9.73 min Scan# 1300

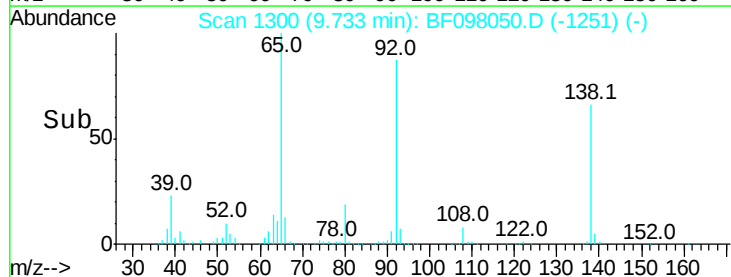
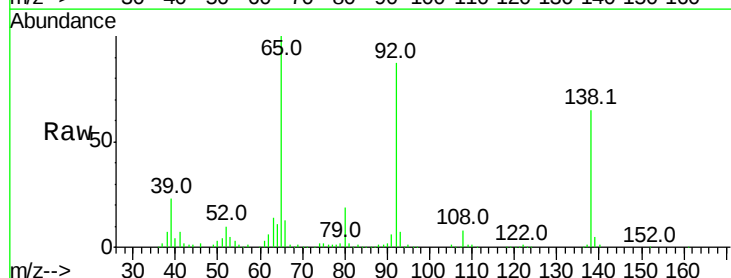
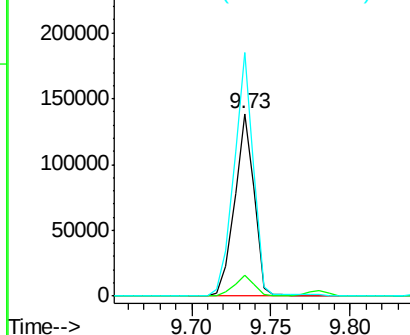
Delta R.T. -0.01 min

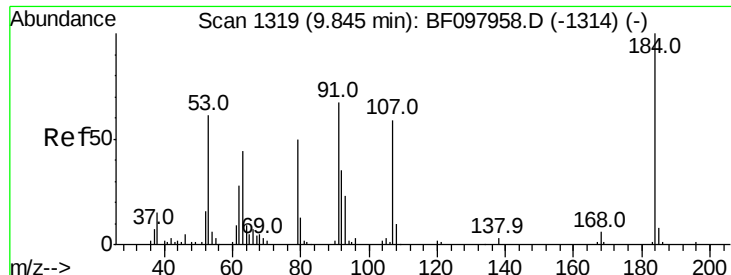
Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	138	Resp:	118429
Ion Ratio	Lower	Upper	
138	100		
108	11.7	9.1	13.7
92	133.5	93.8	140.6

Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





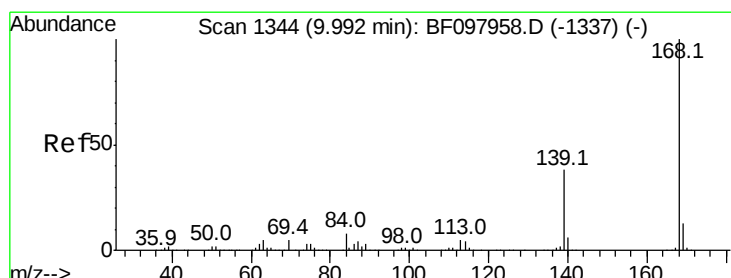
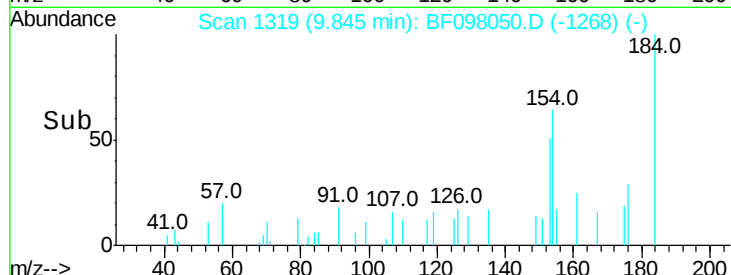
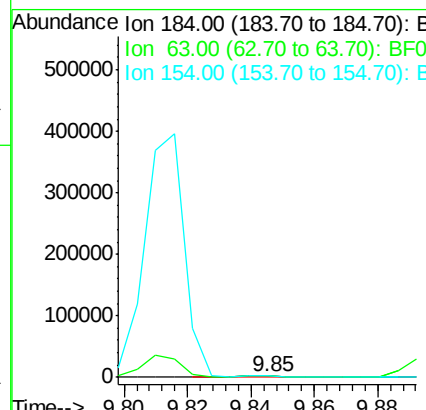
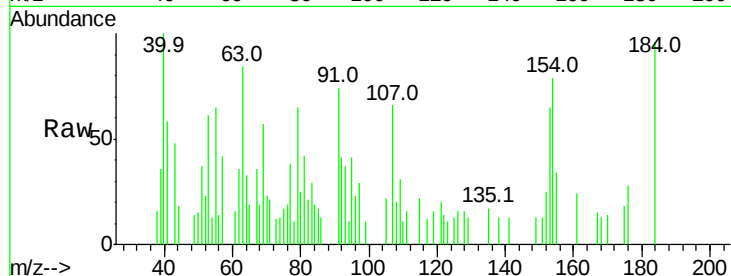
#53
 2,4-Dinitrophenol
 Concen: 12.730 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	87.9	62.7	94.1
154	82.1	81.1	121.7

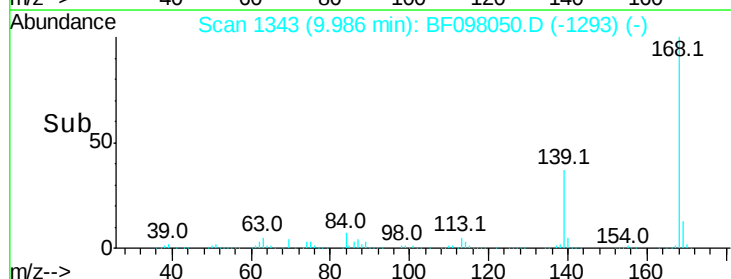
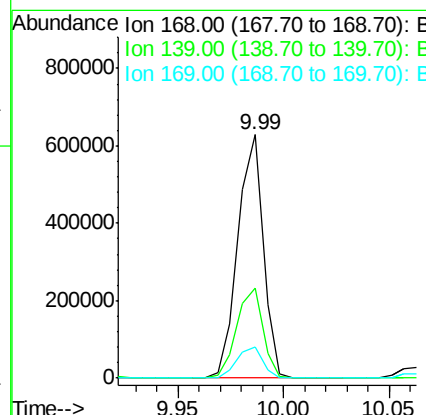
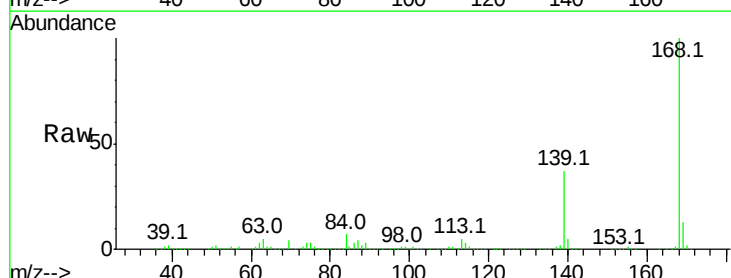
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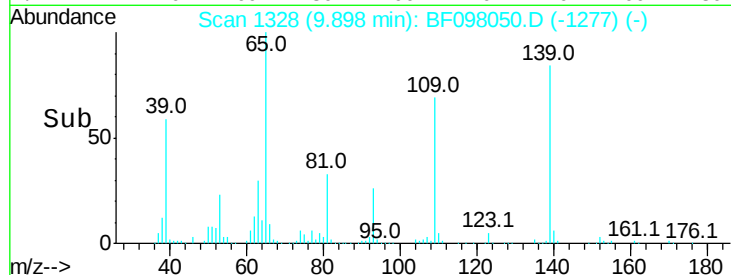
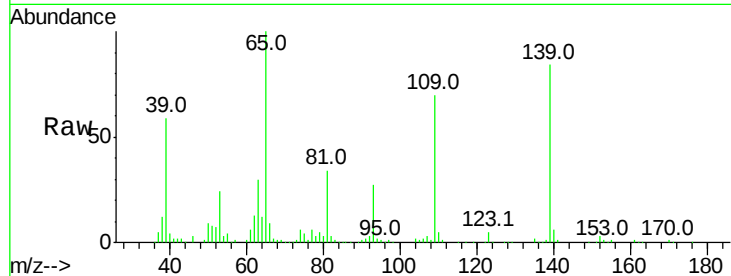
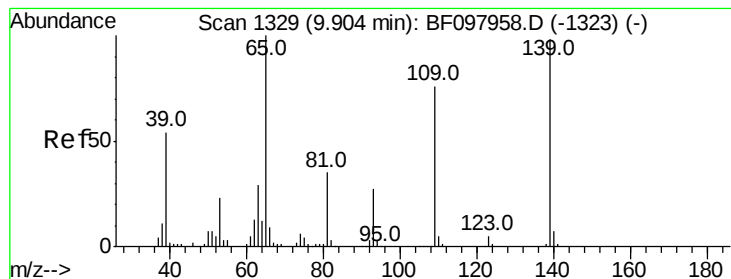
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#54
 Dibenzofuran
 Concen: 42.163 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.6	45.8
169	13.0	10.8	16.2





#55

4-Nitrophenol

Concen: 72.191 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF098050.D

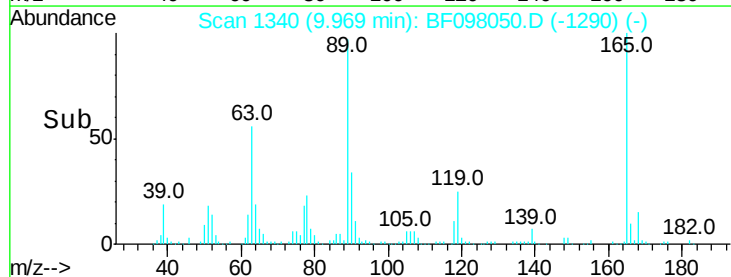
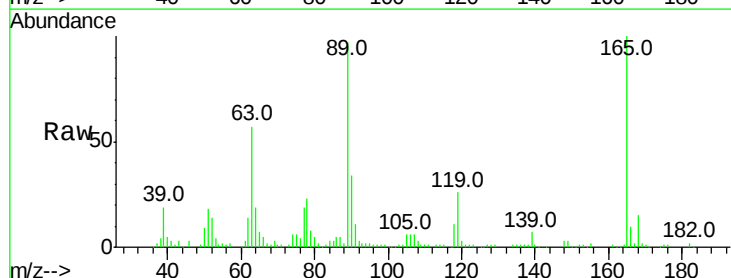
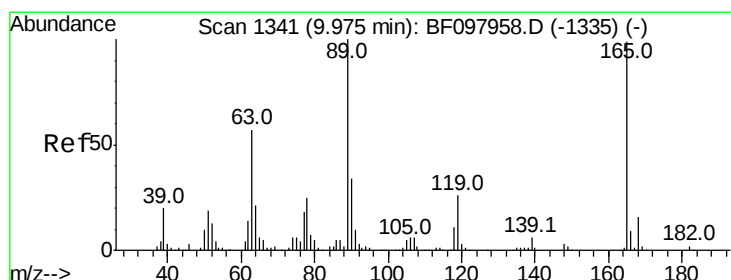
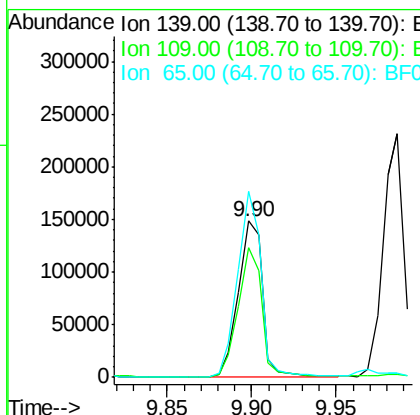
Acq: 26 Aug 2017 00:31

Tot Ion	Ion	Ratio	Resp	Lower	Upper
139	100				
109	82.9	34.1	74.1#		
65	118.9	31.4	71.4#		

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

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#56

2,4-Dinitrotoluene

Concen: 32.835 ng

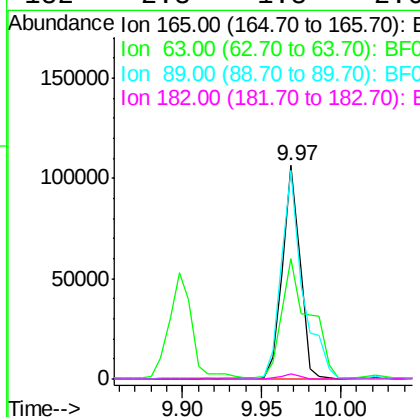
RT: 9.97 min Scan# 1340

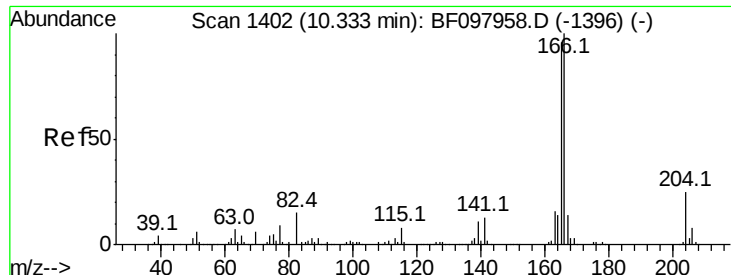
Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
165	100				
63	56.6	25.4	38.0#		
89	97.5	46.4	69.6#		
182	2.3	1.8	2.6		





#57

Fluorene

Concen: 42.502 ng

RT: 10.33 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

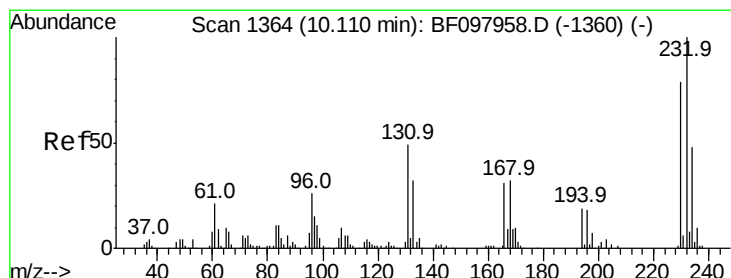
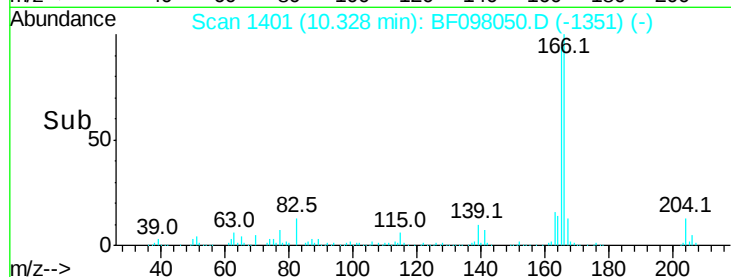
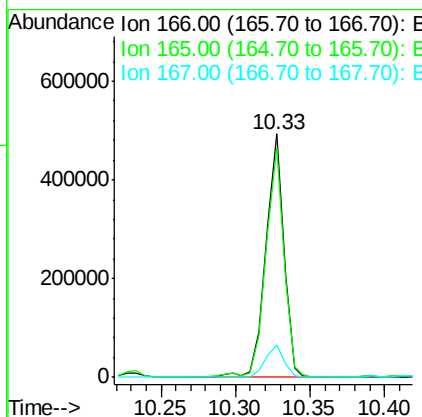
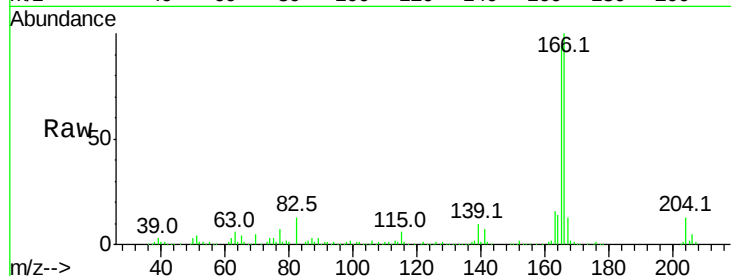
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	166	Resp:	406650
Ion Ratio	Lower	Upper	
166	100		
165	94.1	78.8	118.2
167	13.2	10.6	16.0

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 45.117 ng

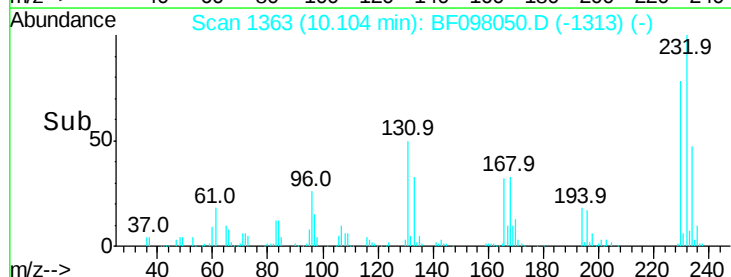
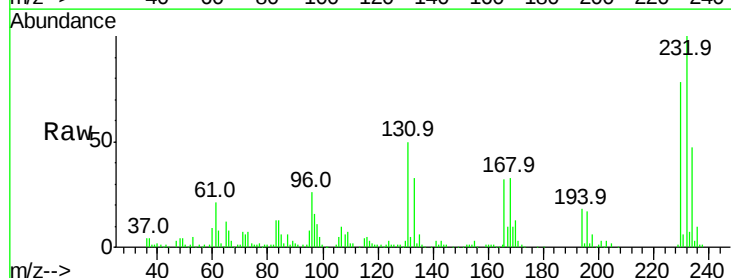
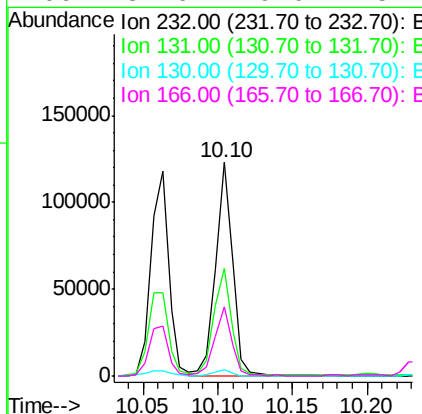
RT: 10.10 min Scan# 1363

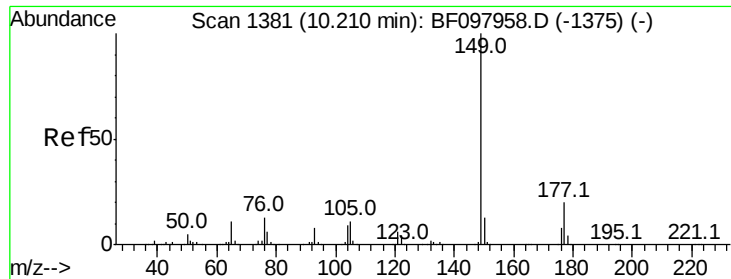
Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	232	Resp:	98798
Ion Ratio	Lower	Upper	
232	100		
131	50.8	44.8	67.2
130	2.8	2.3	3.5
166	32.6	29.0	43.4





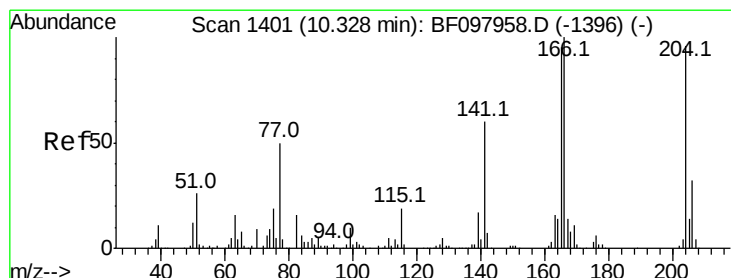
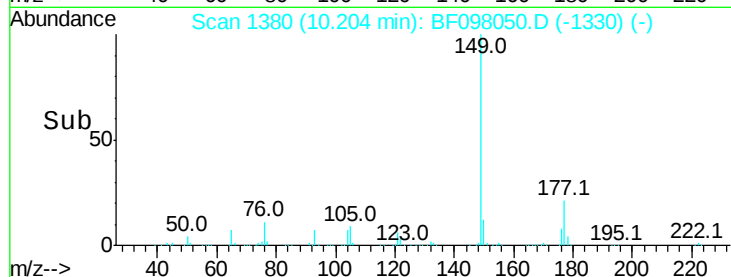
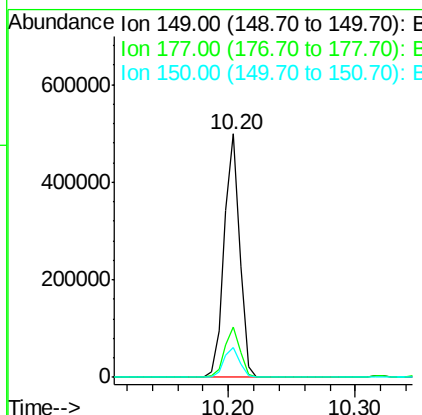
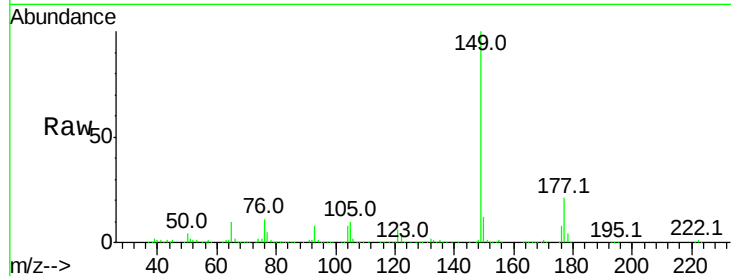
#59
Diethylphthalate
Concen: 40.185 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	425035		
177	20.7	16.7	25.1	
150	12.1	10.2	15.2	

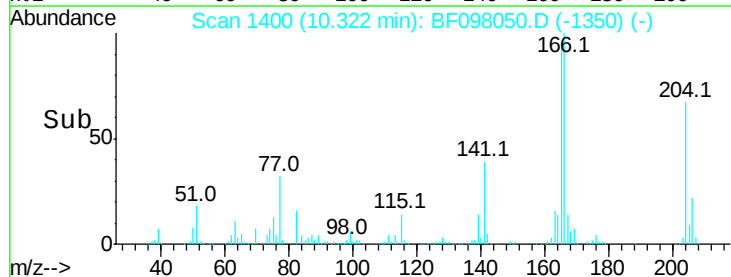
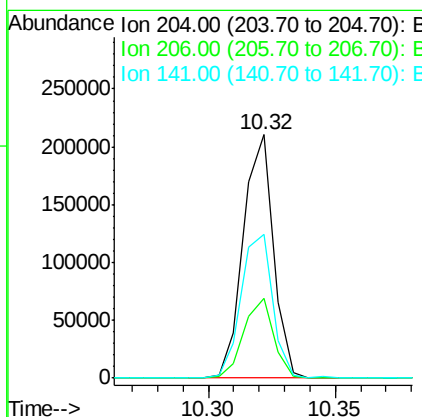
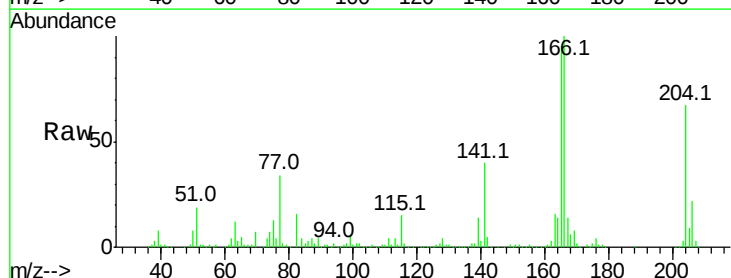
Manual Integrations
APPROVED

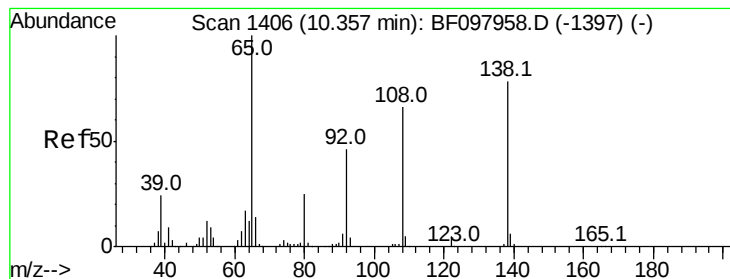
Sohil
8/28/2017 3:13:37 PM



#60
4-Chlorophenyl-phenylether
Concen: 39.186 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	174179		
206	33.0	26.2	39.2	
141	58.9	60.8	91.2#	





#61

4-Nitroaniline

Concen: 50.898 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

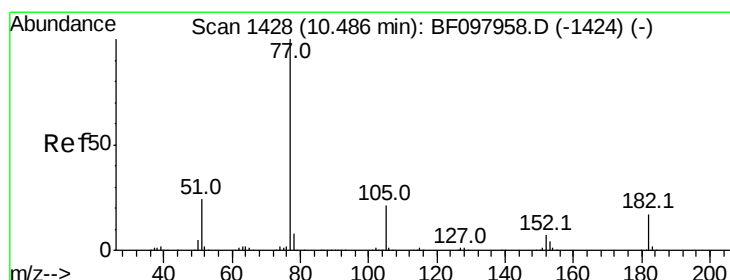
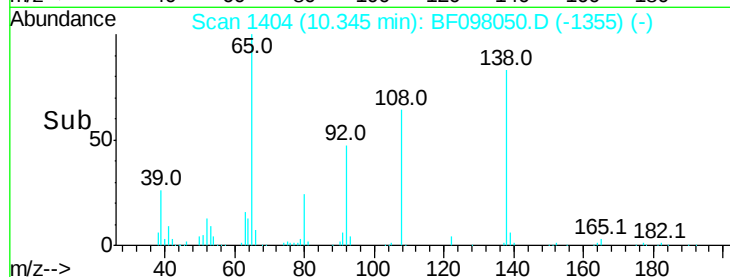
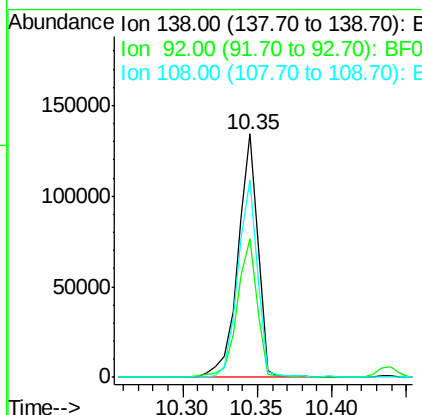
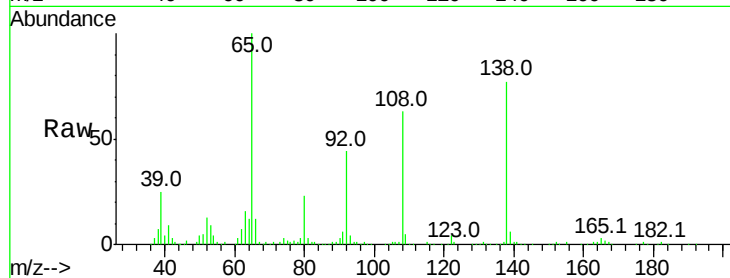
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	138	Resp:	126007
Ion Ratio	Lower	Upper	
138	100		
92	57.0	21.8	61.8
108	81.3	42.3	82.3

Manual Integrations
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8/28/2017 3:13:37 PM



#62

Azobenzene

Concen: 38.986 ng

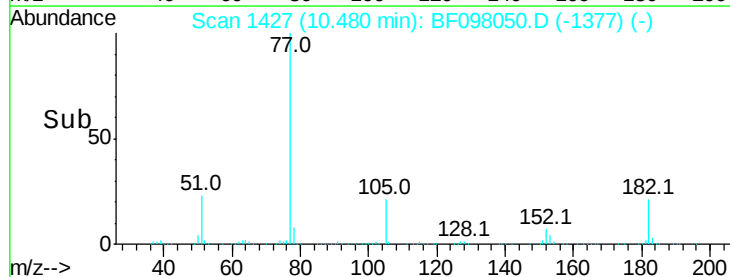
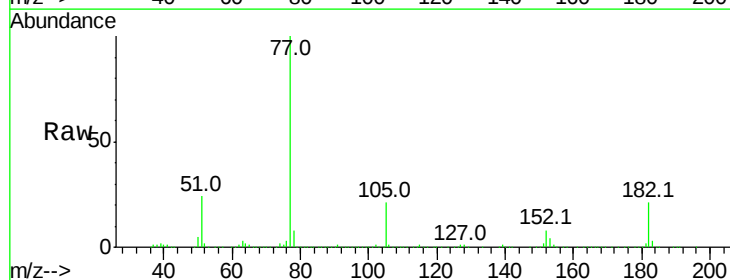
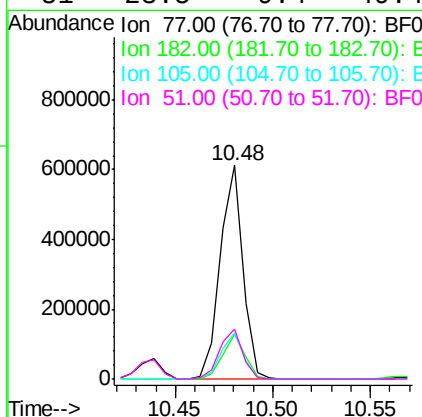
RT: 10.48 min Scan# 1427

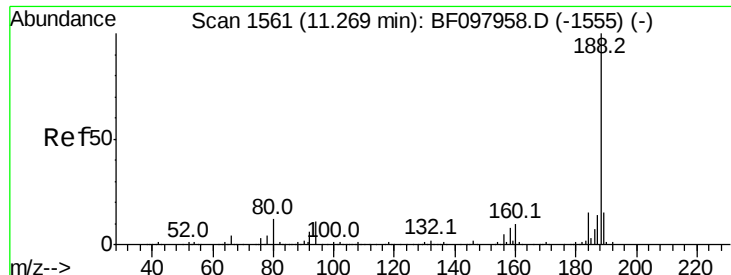
Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	77	Resp:	489821
Ion Ratio	Lower	Upper	
77	100		
182	20.9	0.1	40.1
105	21.3	3.6	43.6
51	23.5	9.4	49.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

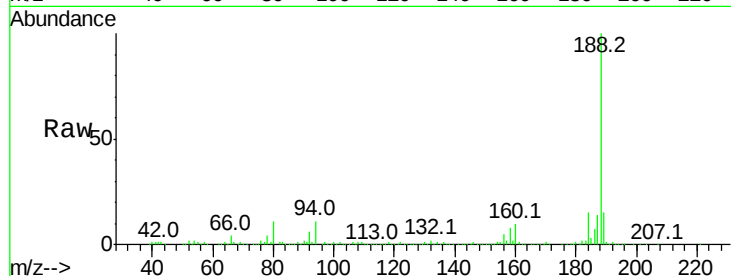
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:188	Resp:	262817
Ion Ratio	Lower	Upper
188 100		
94 10.8	9.4	14.2
80 11.3	10.2	15.2

Manual Integrations
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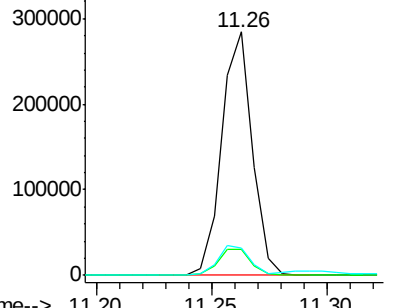
Sohil
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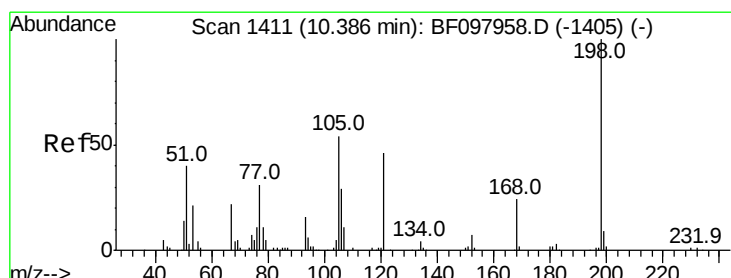
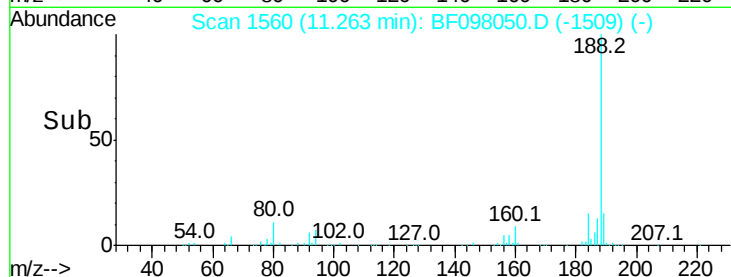
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 9.981 ng

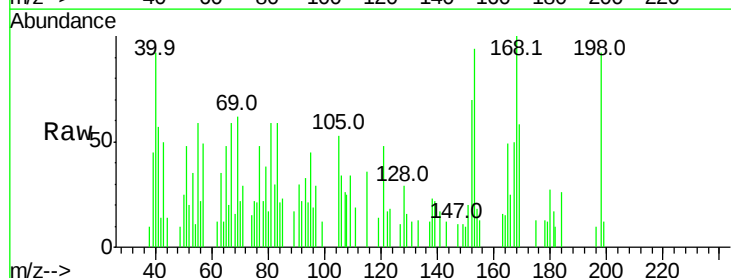
RT: 10.38 min Scan# 1410

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

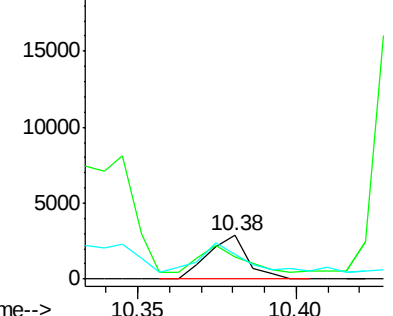
Tgt Ion:198	Resp:	2487
Ion Ratio	Lower	Upper
198 100		
51 51.6	53.2	93.2#
105 57.8	45.8	85.8



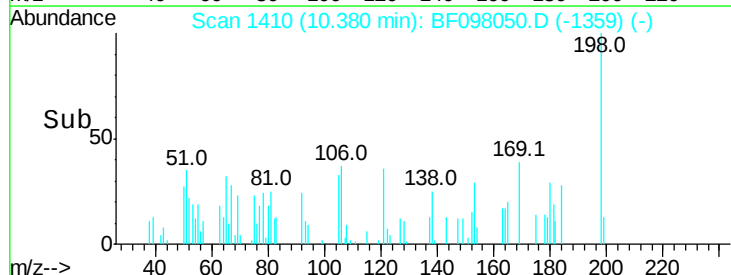
Abundance Ion 198.00 (197.70 to 198.70): E

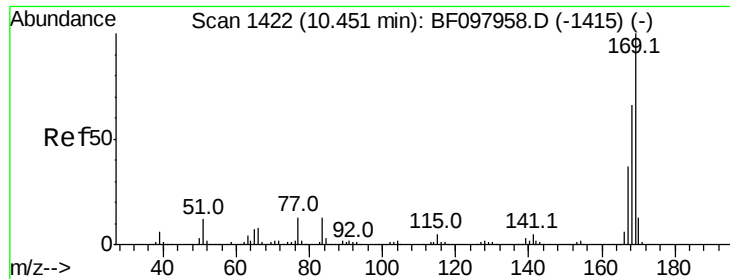
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->





#65

n-Nitrosodiphenylamine

Concen: 38.240 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:169 Resp: 342234

Ion Ratio Lower Upper

169 100

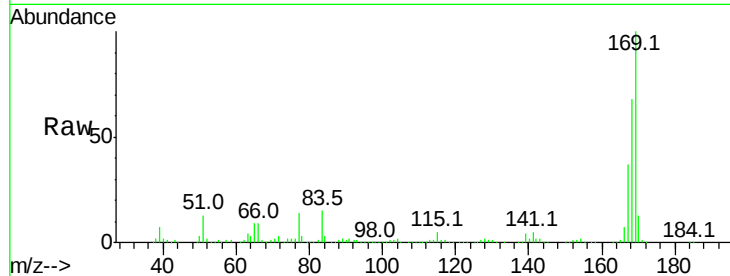
168 67.8 53.2 79.8

167 37.1 29.5 44.3

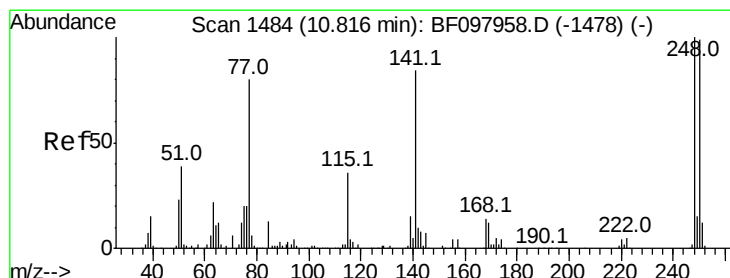
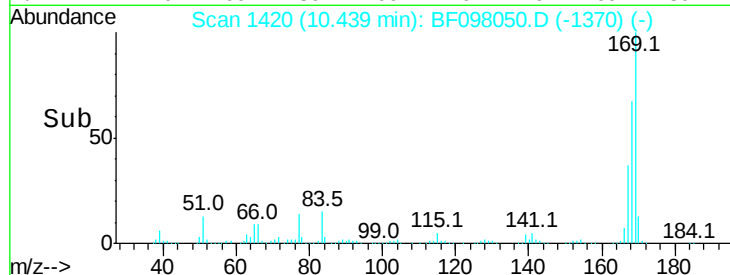
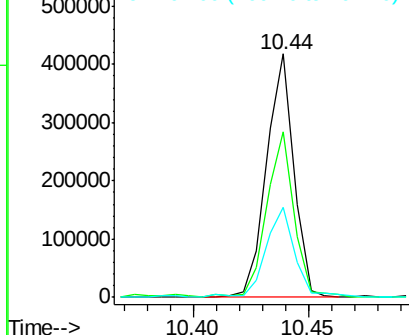
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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 38.226 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

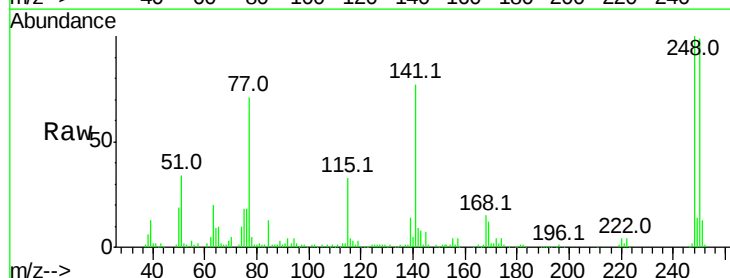
Tgt Ion:248 Resp: 104325

Ion Ratio Lower Upper

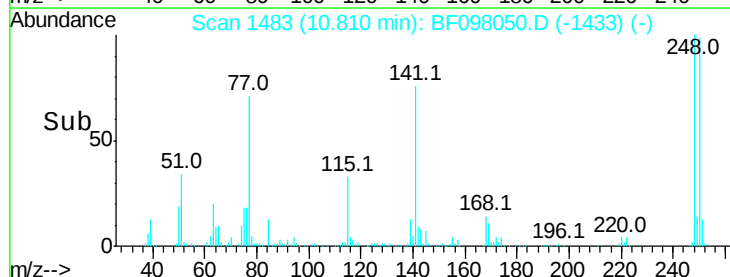
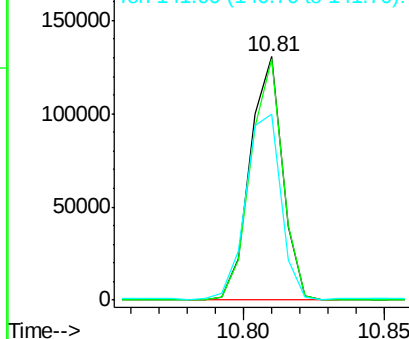
248 100

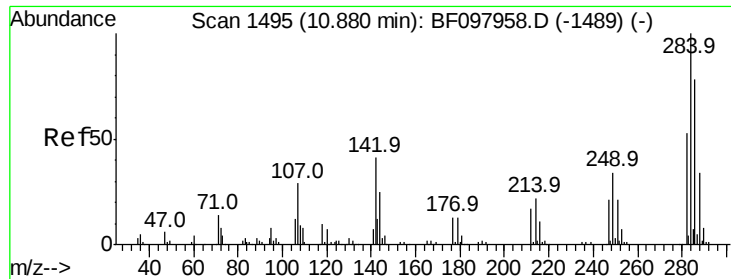
250 99.2 76.8 115.2

141 76.5 68.6 103.0



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 36.120 ng

RT: 10.87 min Scan# 1494

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

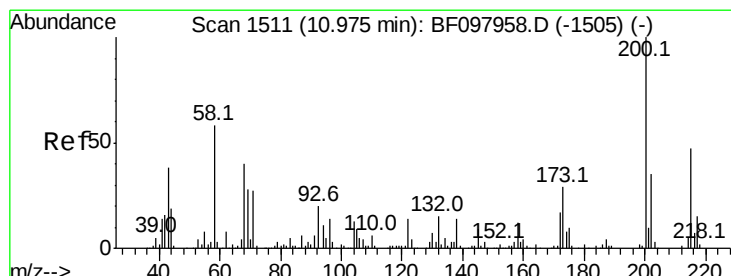
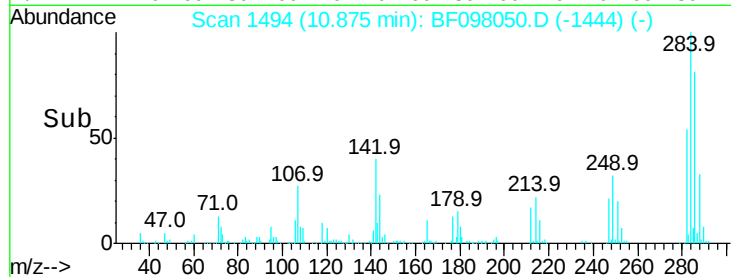
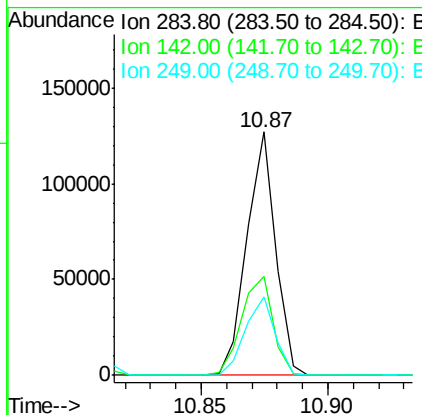
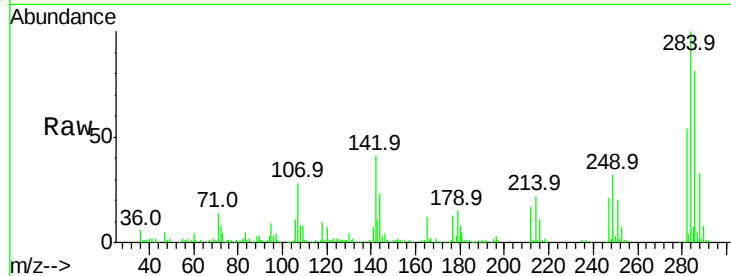
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	284	Resp:	100476
Ion Ratio		Lower	Upper
284	100		
142	40.7	22.8	34.2#
249	32.5	24.0	36.0

Manual Integrations
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#68

Atrazine

Concen: 36.368 ng

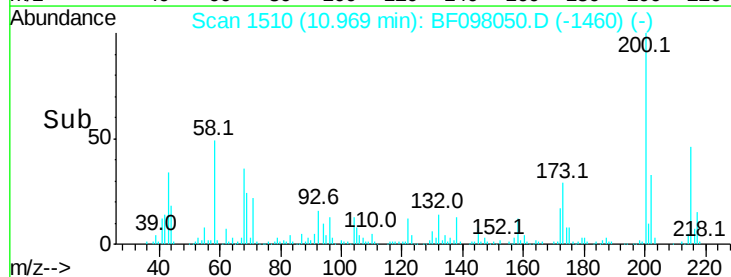
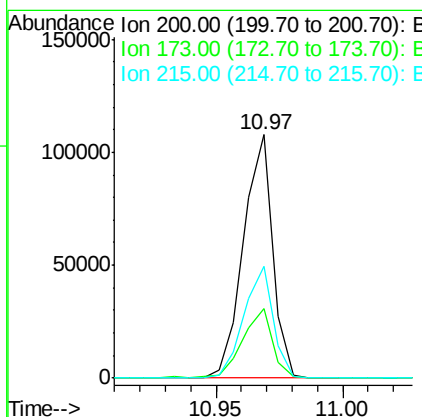
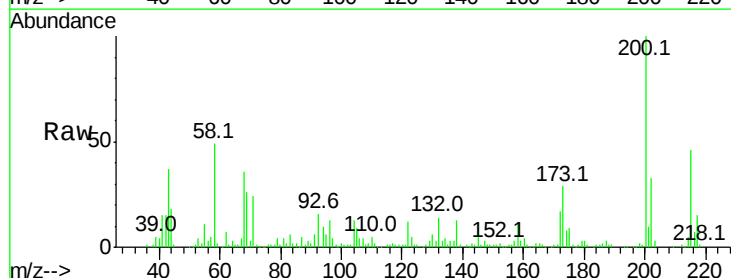
RT: 10.97 min Scan# 1510

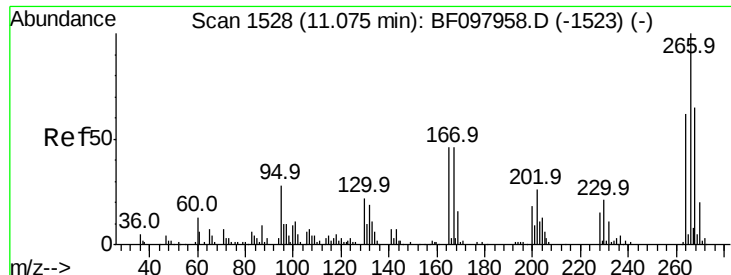
Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	200	Resp:	86318
Ion Ratio		Lower	Upper
200	100		
173	28.5	6.3	46.3
215	46.0	27.2	67.2





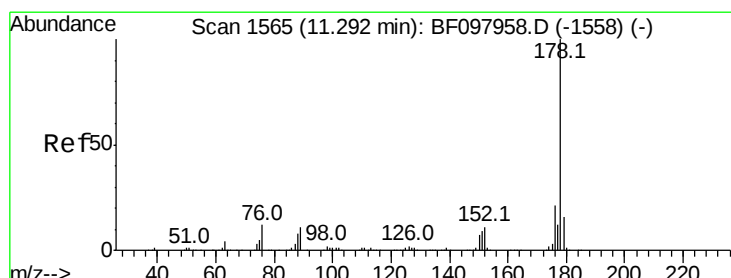
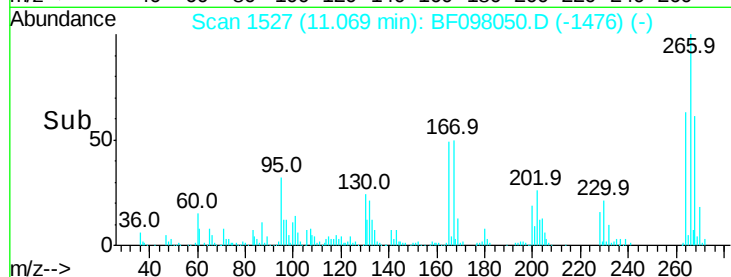
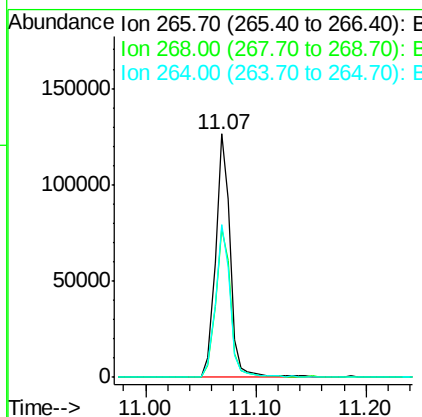
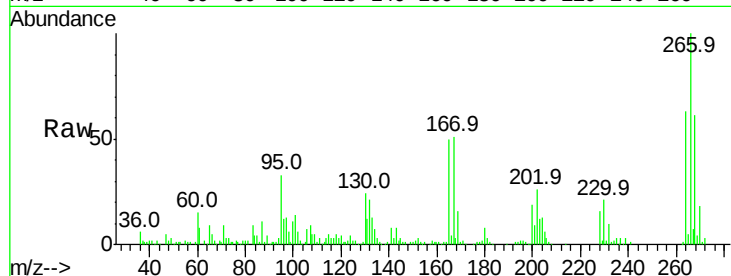
#69
 Pentachlorophenol
 Concen: 71.222 ng
 RT: 11.07 min Scan# 1527
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	115516		
268	61.0		51.1	76.7
264	62.7		51.7	77.5

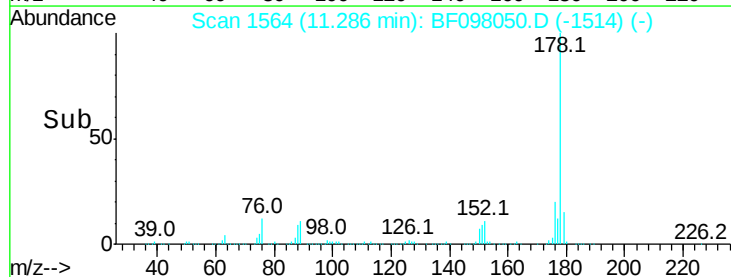
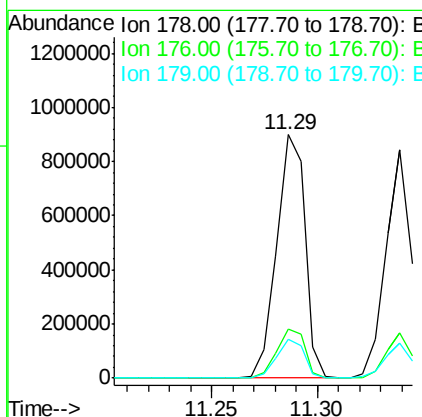
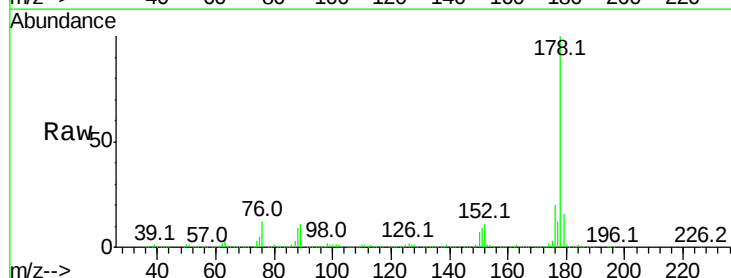
Manual Integrations
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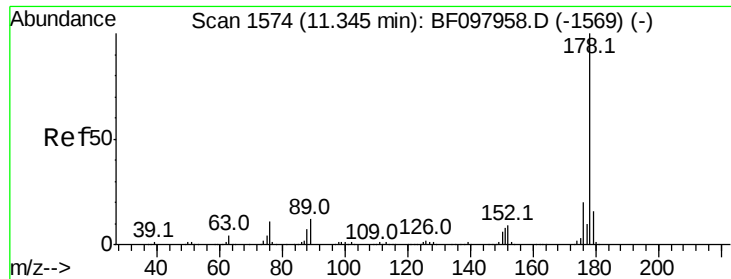
Sohil
 8/28/2017 3:13:37 PM



#70
 Phenanthrene
 Concen: 60.073 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	841306		
176	20.2		16.2	24.4
179	15.7		12.6	19.0





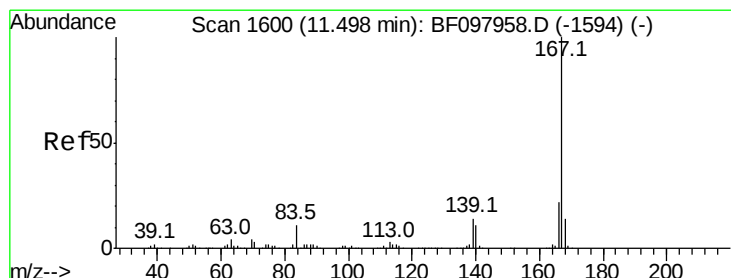
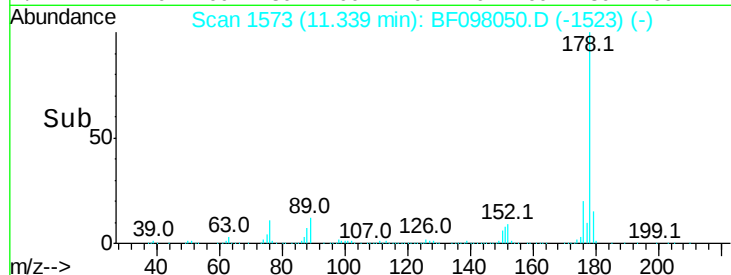
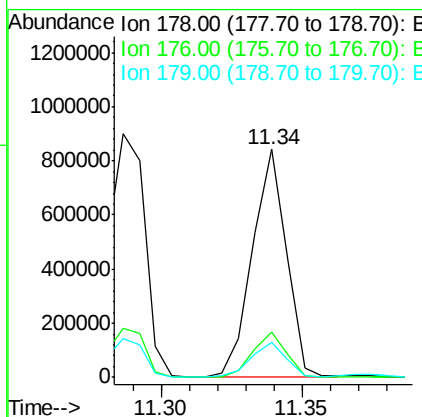
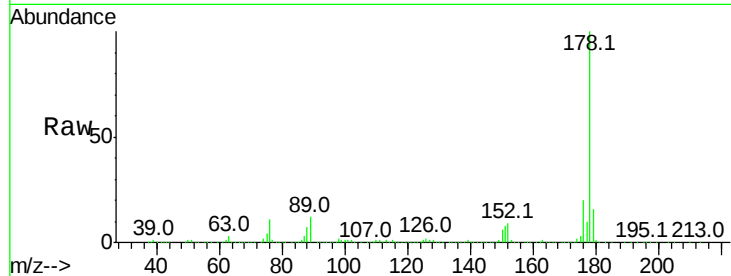
#71
 Anthracene
 Concen: 49.209 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.6	12.7	19.1

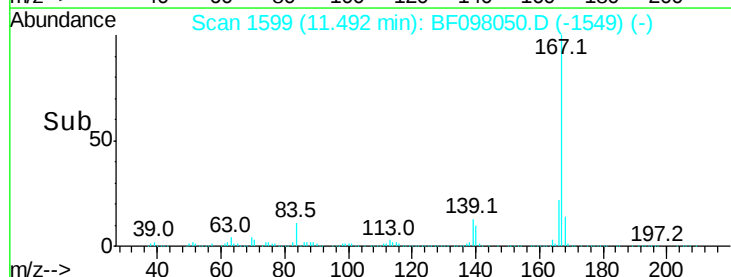
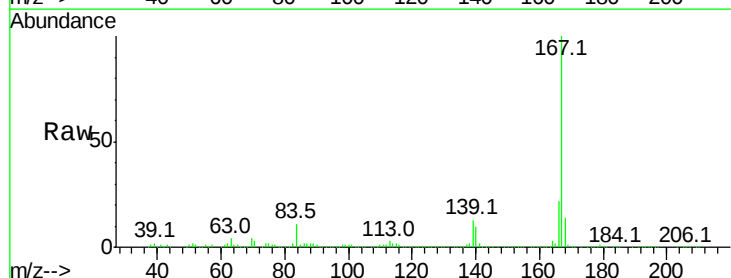
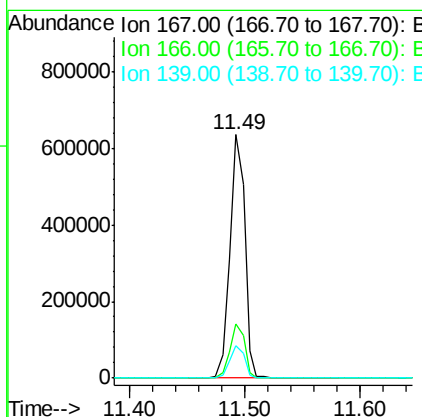
Manual Integrations
 APPROVED

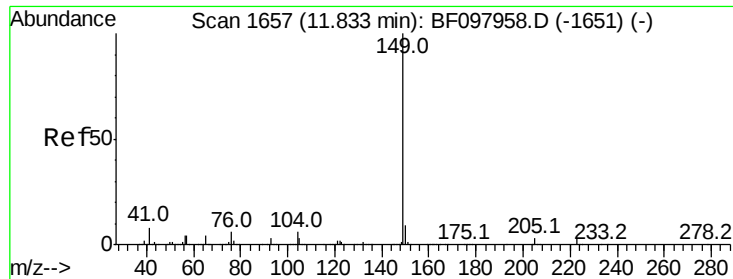
Sohil
 8/28/2017 3:13:37 PM



#72
 Carbazole
 Concen: 42.035 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.3	11.7	17.5





#73

Di-n-butylphthalate

Concen: 41.662 ng

RT: 11.83 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

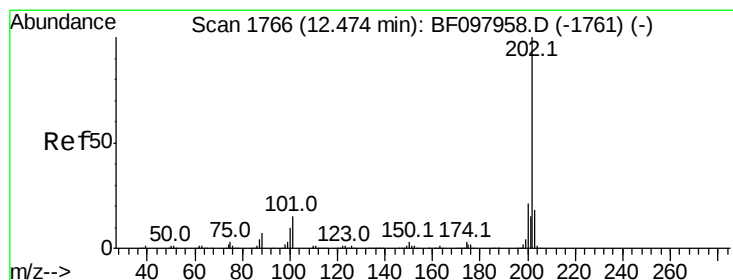
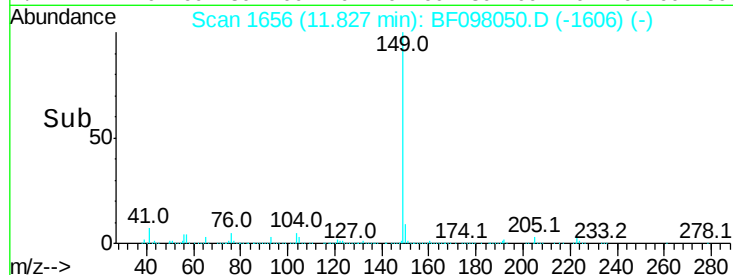
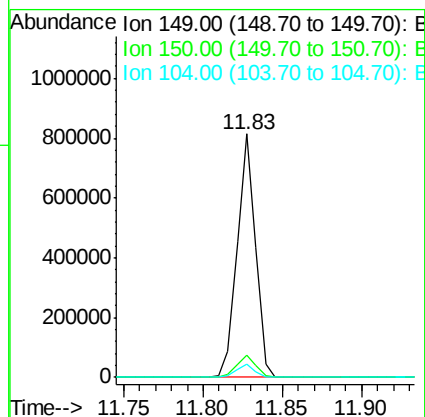
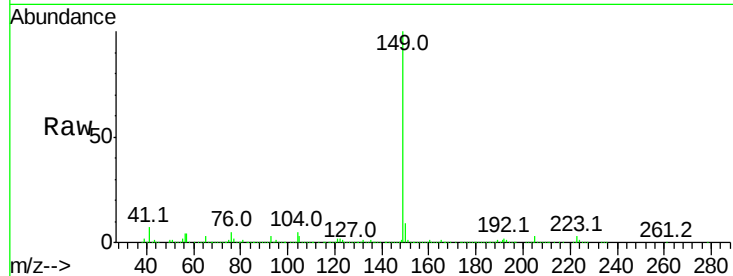
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	149	Resp:	647044
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.7	11.5
104	5.3	4.0	6.0

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#74

Fluoranthene

Concen: 85.385 ng

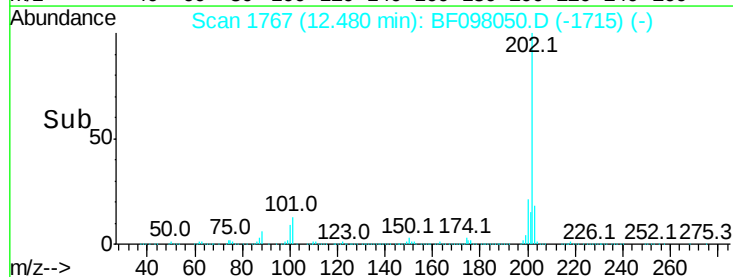
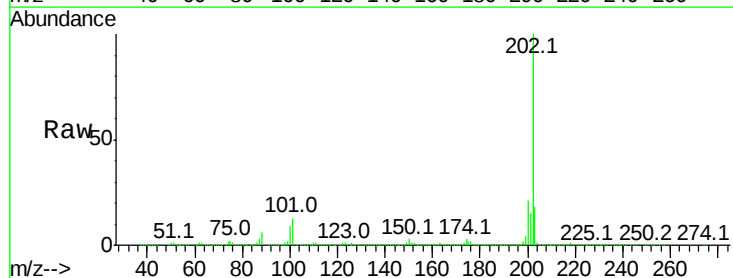
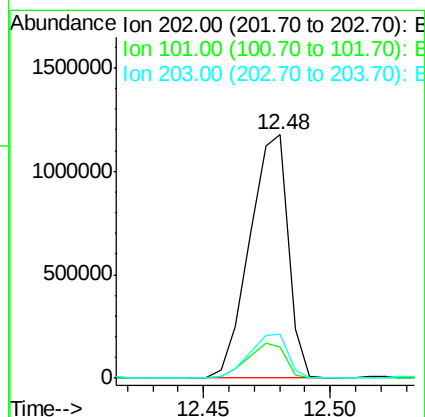
RT: 12.48 min Scan# 1767

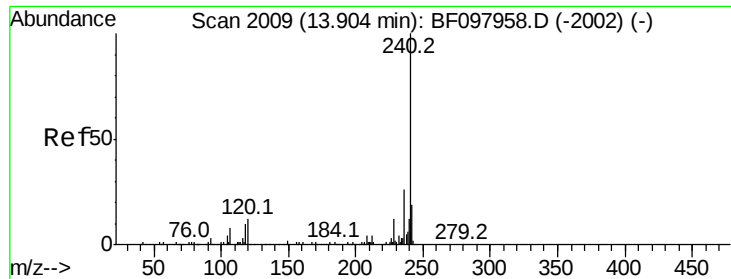
Delta R.T. 0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	202	Resp:	1248130
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

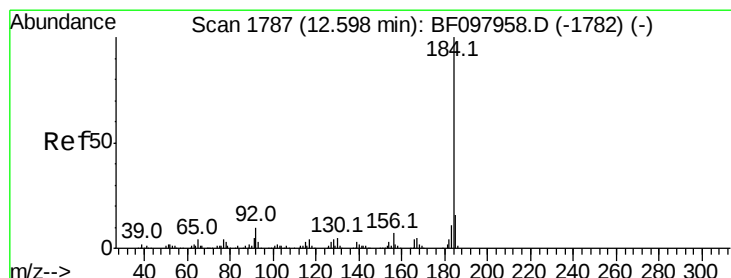
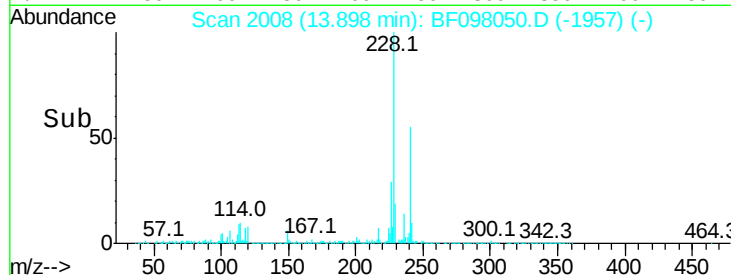
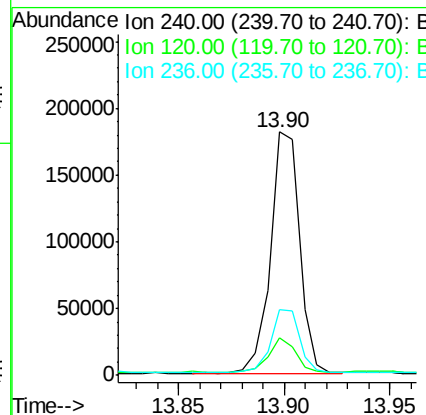
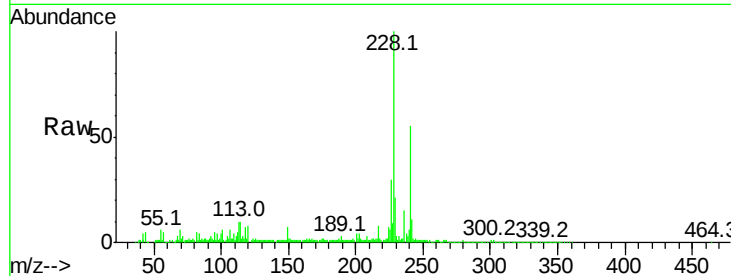
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	27.2	20.5	30.7

Manual Integrations
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#76

Benzidine

Concen: 19.620 ng

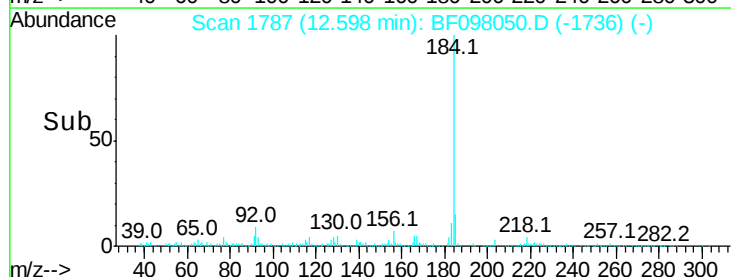
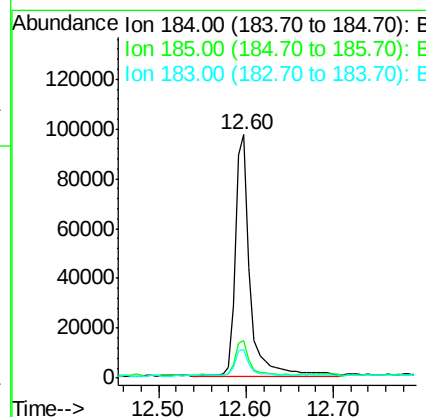
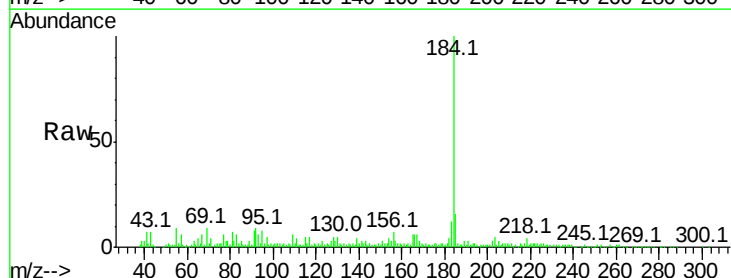
RT: 12.60 min Scan# 1787

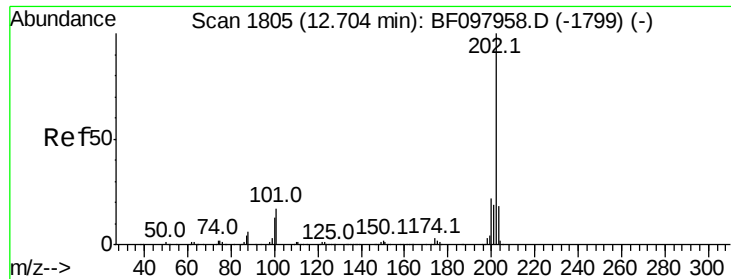
Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.6	15.5	23.3
183	12.0	9.8	14.6





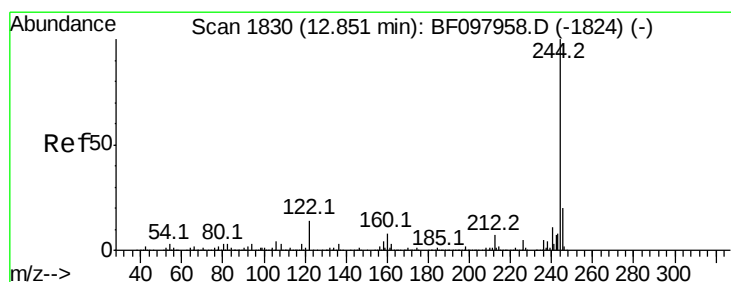
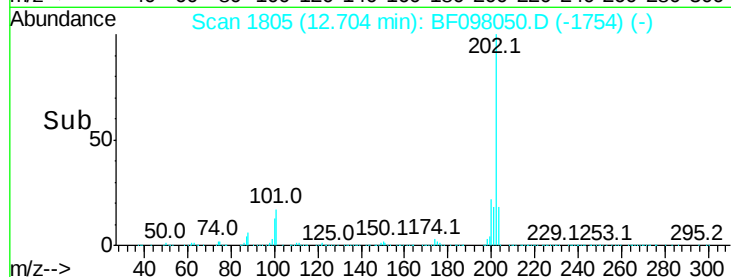
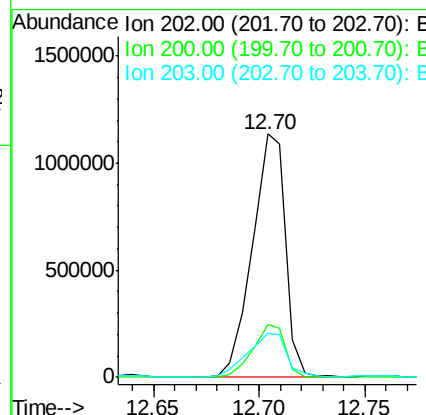
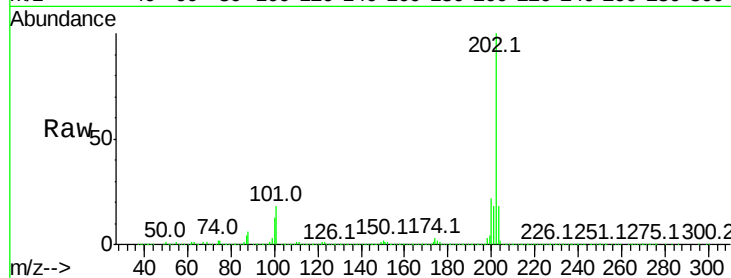
#77
Pvrene
Concen: 86.779 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	18.2	14.4	21.6

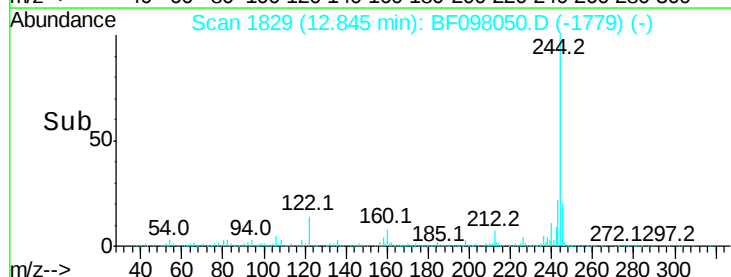
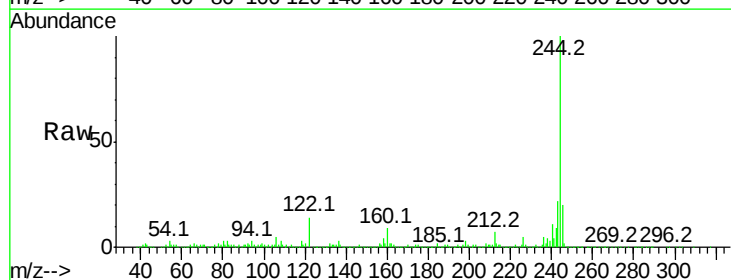
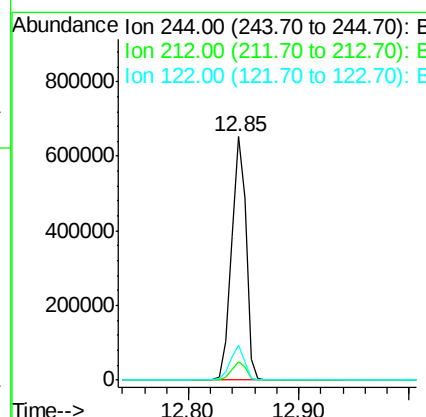
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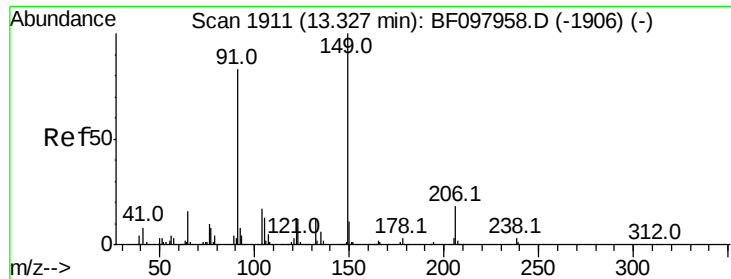
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#78
Terphenyl-d14
Concen: 72.102 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.2	10.3	15.5





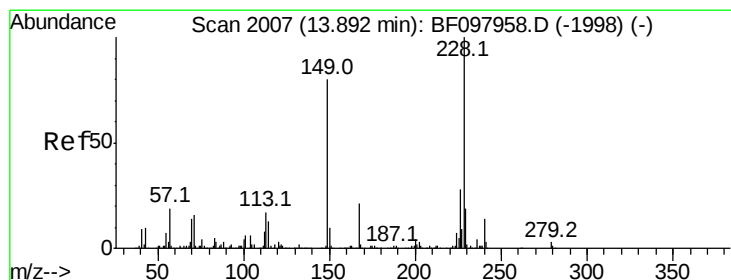
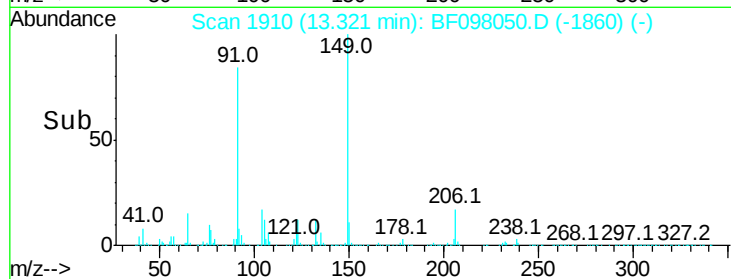
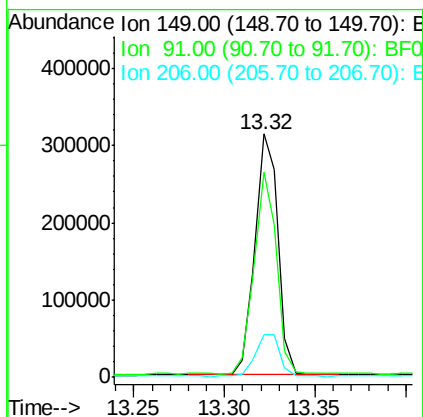
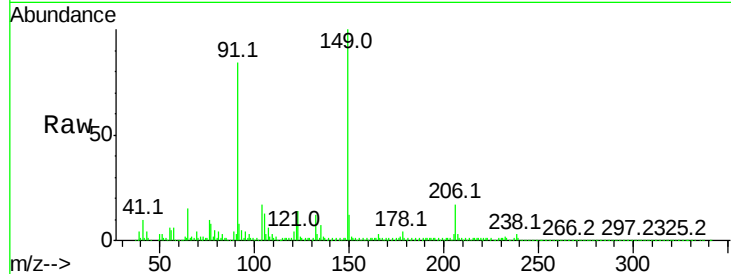
#79
Butylbenzylphthalate
Concen: 50.535 ng
RT: 13.32 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	275721		
91	84.1	45.0	67.4#	
206	17.4	17.0	25.6	

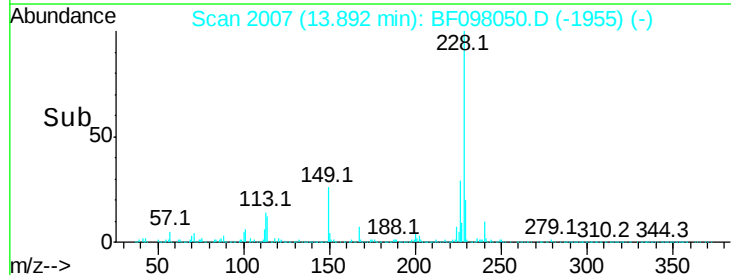
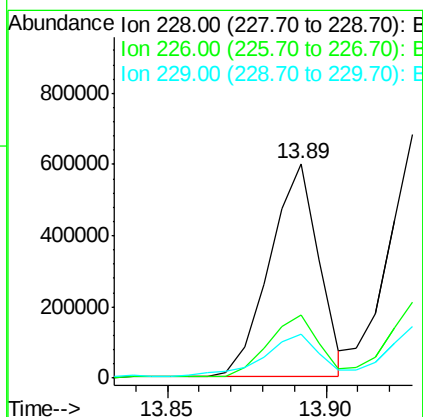
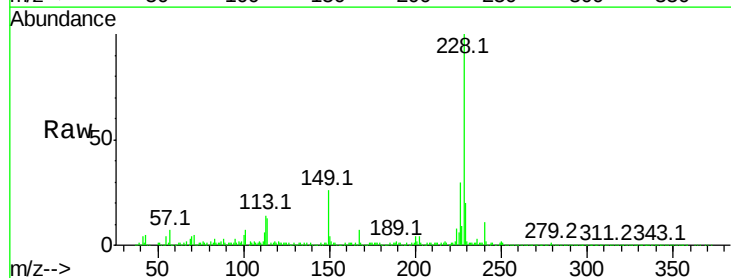
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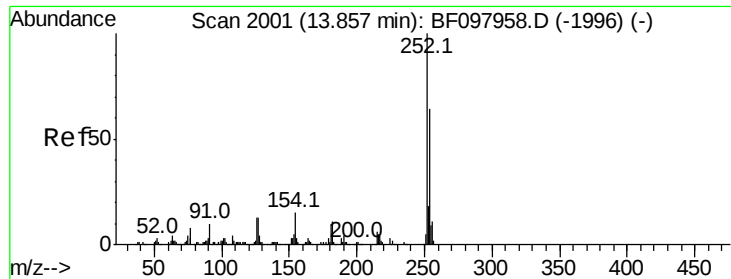
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#80
Benzo(a)anthracene
Concen: 62.120 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	647795		
226	29.7	22.6	33.8	
229	20.5	16.3	24.5	





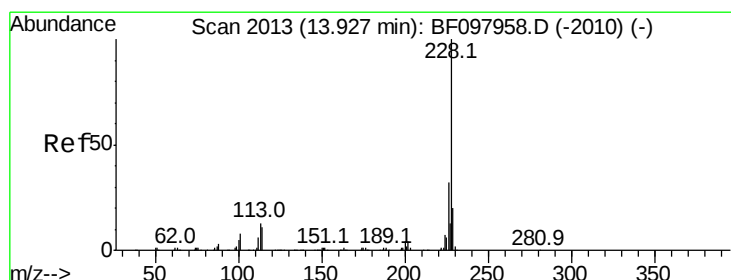
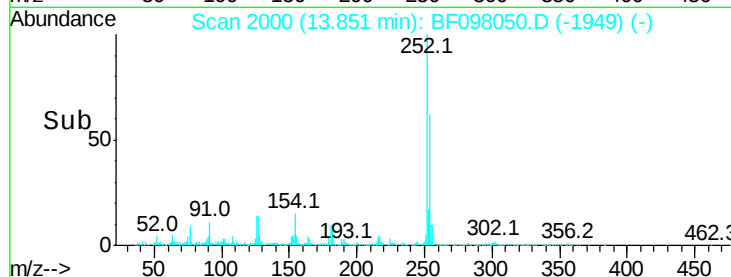
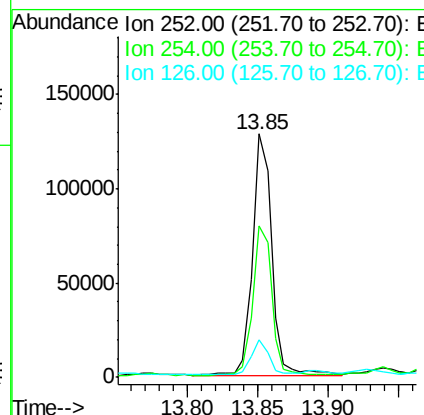
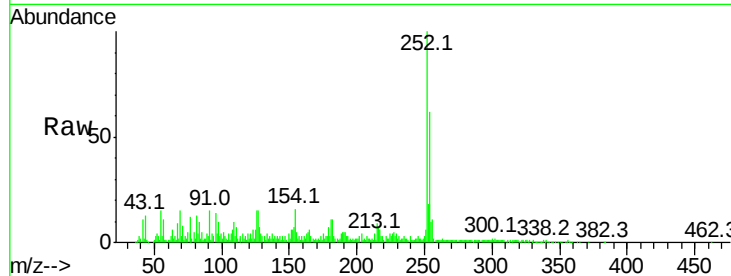
#81
 3,3'-Dichlorobenzidine
 Concen: 34.965 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	62.4	51.5	77.3
126	15.4	15.8	23.8

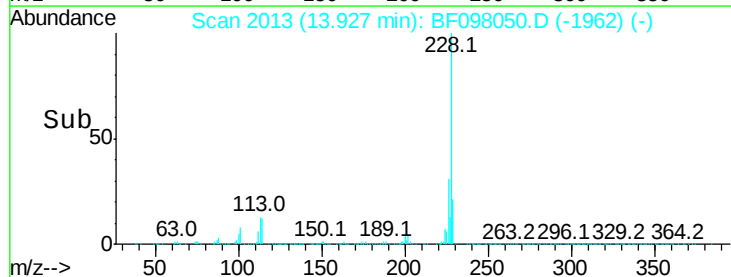
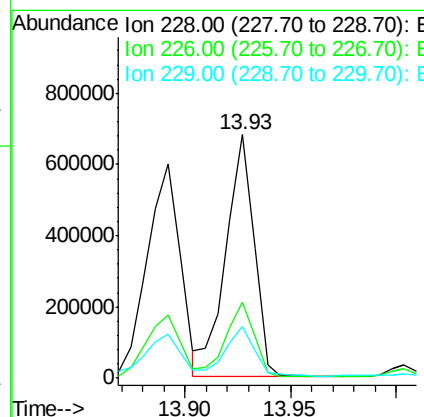
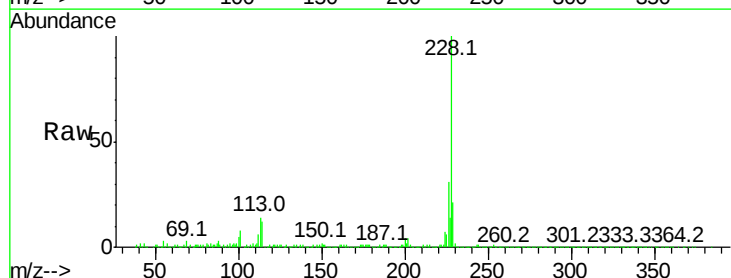
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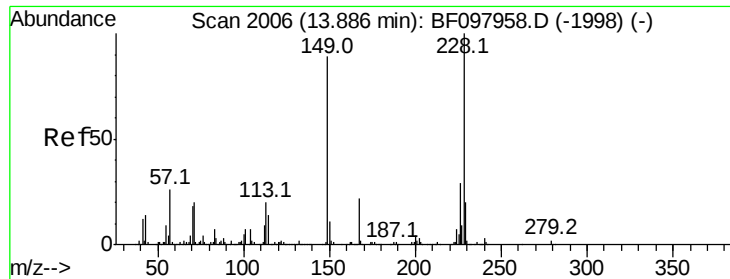
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#82
 Chrysene
 Concen: 60.939 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.2	24.9	37.3
229	21.4	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 52.084 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

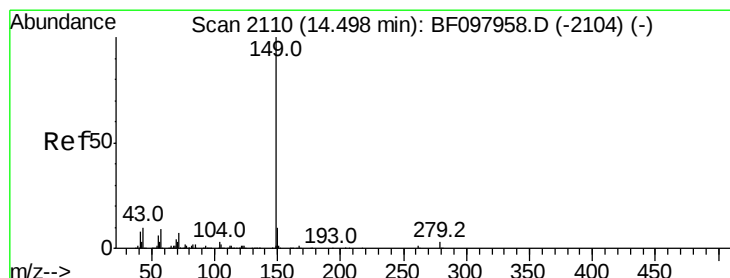
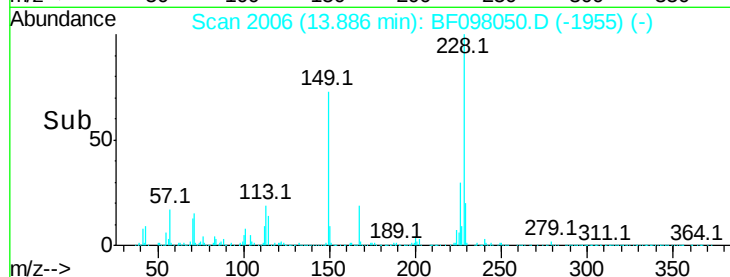
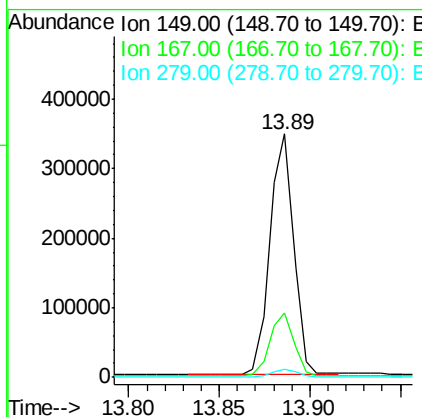
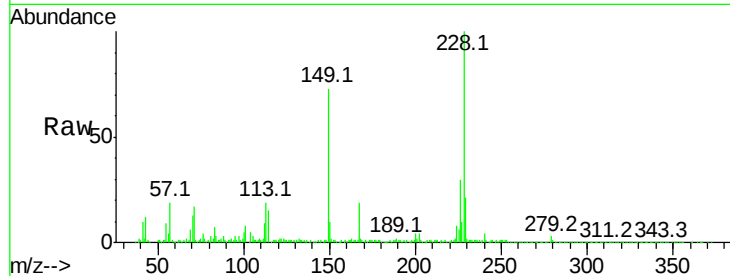
ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:	149	Resp:	314894
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.0	31.4
279	3.6	1.9	2.9#

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 46.377 ng

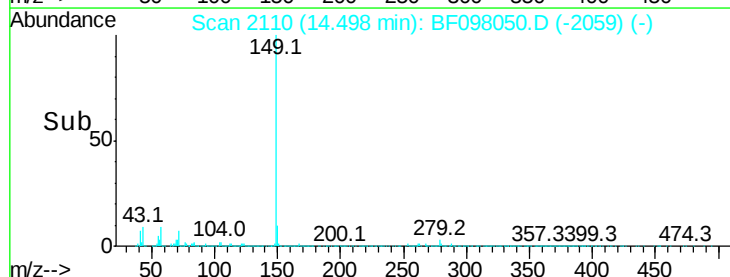
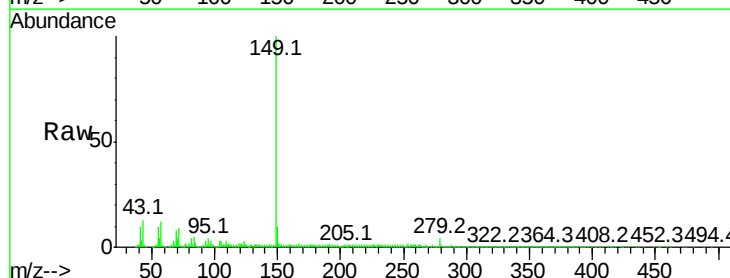
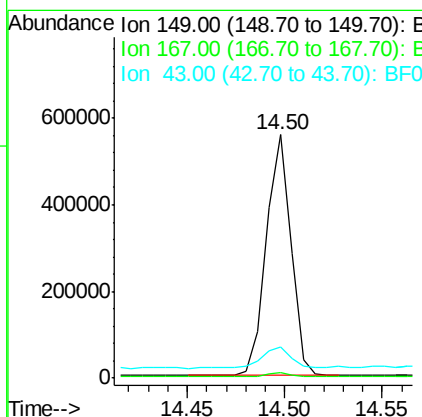
RT: 14.50 min Scan# 2110

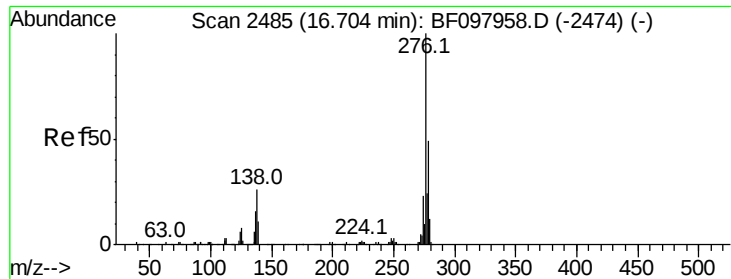
Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	149	Resp:	487863
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	10.8	8.5	12.7





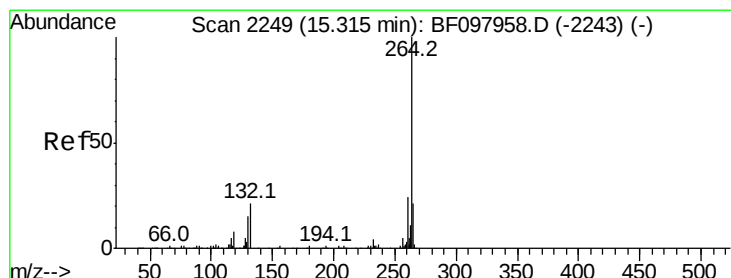
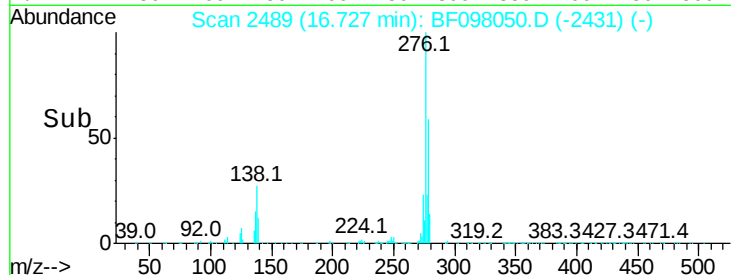
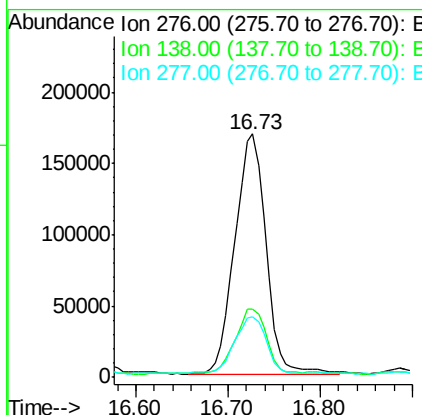
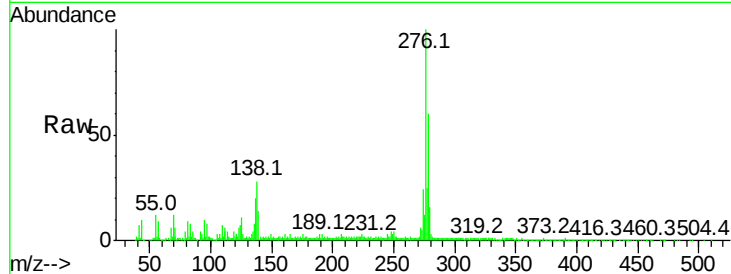
#85
Indeno(1,2,3-cd)pyrene
Concen: 52.464 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.04 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	1.7	27.8	41.6#	
277	1.3	20.2	30.4#	

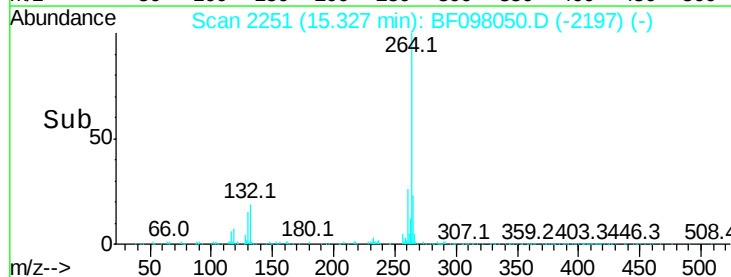
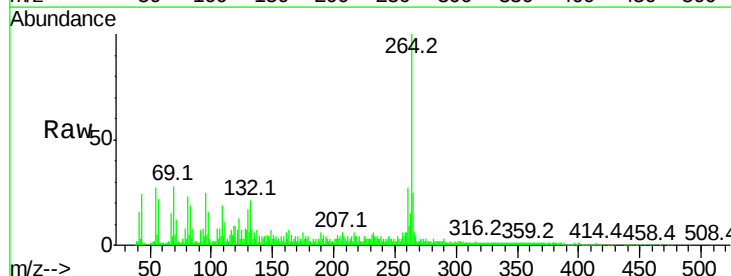
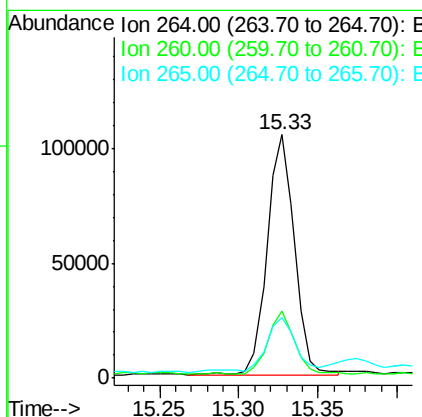
Manual Integrations
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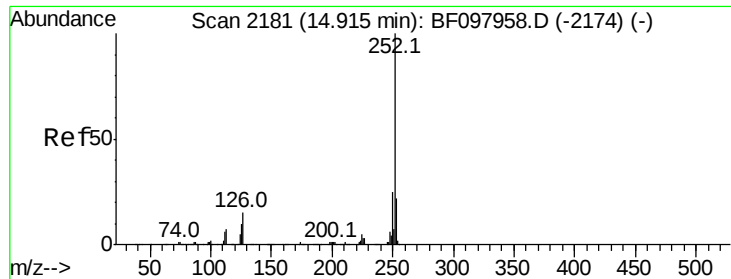
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	27.5	19.5	29.3	
265	24.8	17.2	25.8	





#87

Benzo(b)fluoranthene

Concen: 66.050 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

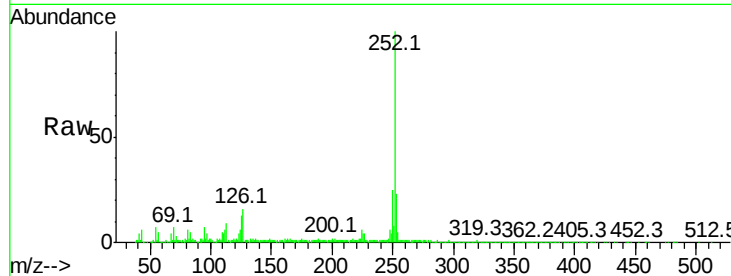
ClientSampleId :

IRON-LEAF-TOPSOILMSD

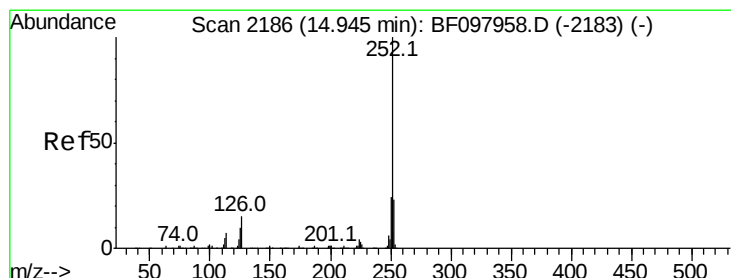
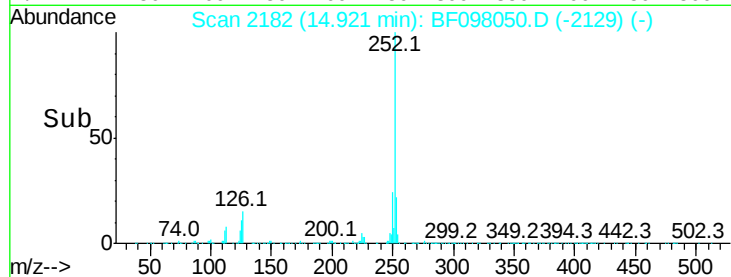
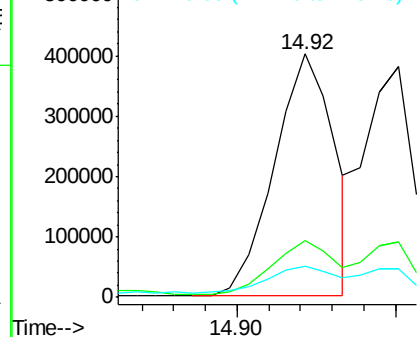
Tot Ion:	252	Resp:	525127
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	12.9	9.8	14.8

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 53.981 ng

RT: 14.95 min Scan# 2187

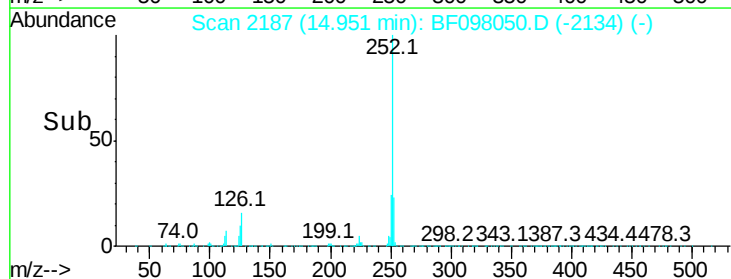
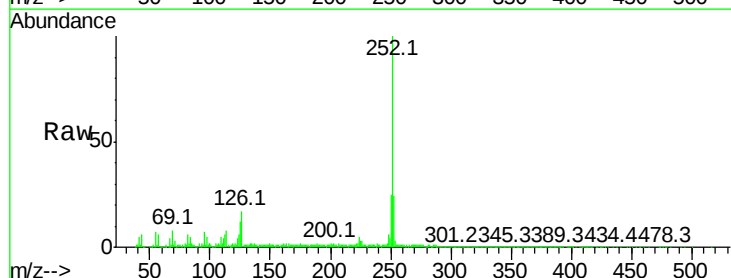
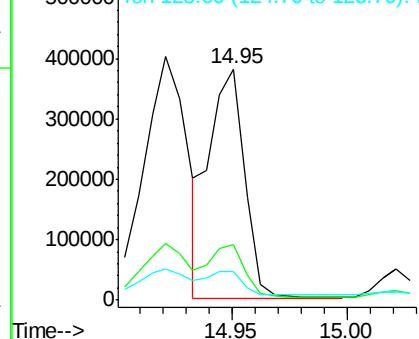
Delta R.T. 0.01 min

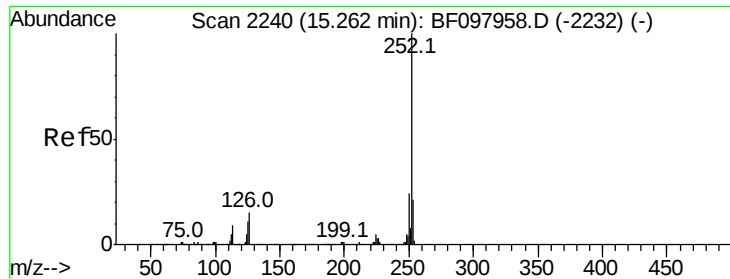
Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:	252	Resp:	403211
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	12.2	13.1	19.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





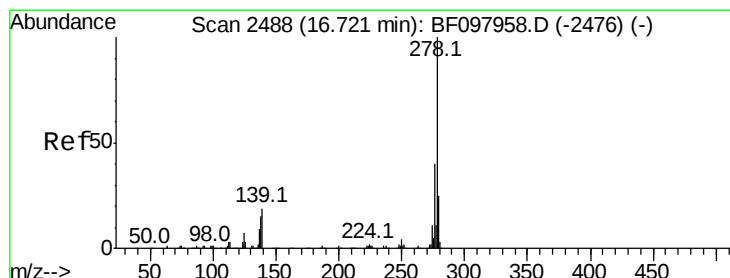
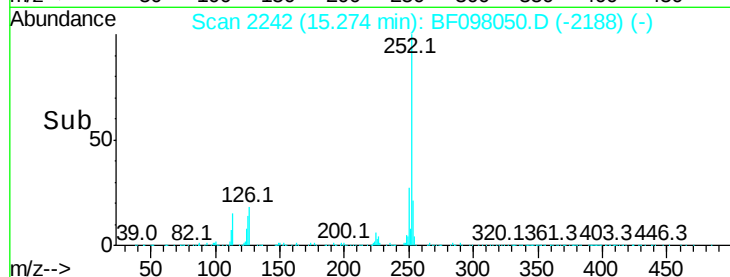
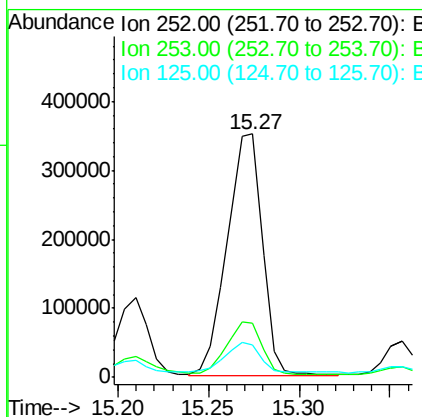
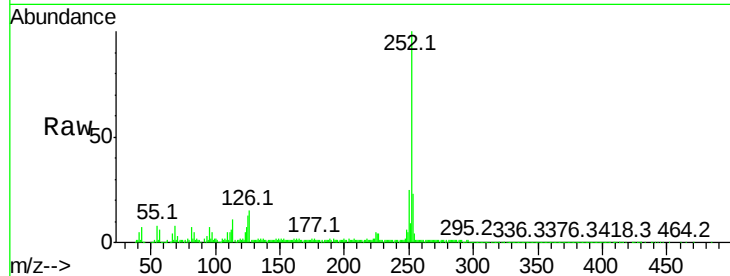
#89
Benzo(a)pyrene
Concen: 67.340 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	13.1	11.0	16.4

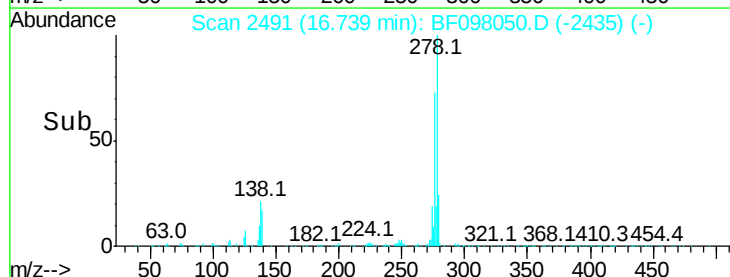
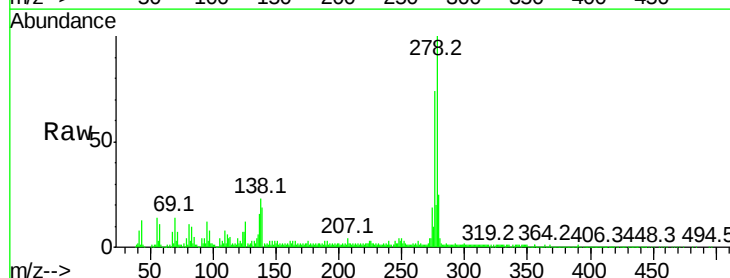
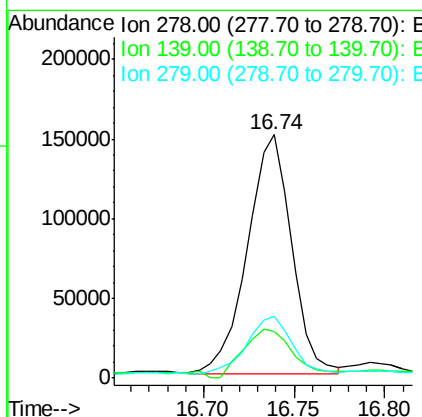
Manual Integrations
APPROVED

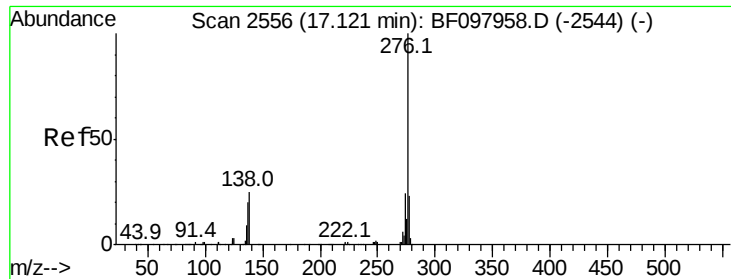
Sohil
8/28/2017 3:13:37 PM



#90
Dibenzo(a,h)anthracene
Concen: 44.806 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.03 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	16.6	24.8
279	25.3	19.3	28.9





#91
Benzo(a,h,i)perylene
Concen: 57.015 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.04 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	24.6	25.4	38.0#

Manual Integrations
APPROVED

Sohil
8/28/2017 3:13:37 PM

