

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098049.D
 Acq On : 26 Aug 2017 00:03
 Operator : SJ/JU
 Sample : I4938-01MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Manual Integrations
 APPROVED

Sohil
 8/28/2017 3:13:35 PM

Quant Time: Aug 26 00:45:13 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	6.74	152	101393	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	358889	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	134922	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	266110	20.00	ng	0.00
75) Chrysene-d12	13.90	240	181281	20.00	ng	0.00
86) Perylene-d12	15.33	264	128965	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	749929	112.50	ng	0.00
7) Phenol-d6	6.39	99	988626	109.16	ng	0.00
23) Nitrobenzene-d5	7.31	82	588140	89.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	138021	117.90	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	768809	83.72	ng	0.00
78) Terphenyl-d14	12.84	244	671377	77.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	132599	35.669	ng	89
3) Pyridine	3.11	79	391771	38.121	ng	88
4) n-Nitrosodimethylamine	3.07	42	164268	41.541	ng	79
6) Aniline	6.45	93	185444	14.575	ng	95
8) 2-Chlorophenol	6.53	128	296065	42.115	ng	95
9) Benzaldehyde	6.29	77	158571	27.641	ng	89
10) Phenol	6.40	94	438492	41.396	ng	94
11) bis(2-Chloroethyl)ether	6.48	93	368032	46.033	ng	94
12) 1,3-Dichlorobenzene	6.68	146	299998	39.673	ng	# 91
13) 1,4-Dichlorobenzene	6.76	146	302064	39.277	ng	95
14) 1,2-Dichlorobenzene	6.92	146	281159	39.649	ng	98
15) Benzyl Alcohol	6.89	79	283724	41.842	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.02	45	419090	38.960	ng	90
17) 2-Methylphenol	7.00	107	252415	40.745	ng	96
18) Hexachloroethane	7.25	117	88964	29.505	ng	# 76
19) n-Nitroso-di-n-propylamine	7.16	70	224793	36.257	ng	89
20) 3+4-Methylphenols	7.16	107	297550	39.324	ng	90
22) Acetophenone	7.16	105	412718	43.531	ng	# 90
24) Nitrobenzene	7.33	77	352639	47.940	ng	93
25) Isophorone	7.57	82	603324	43.919	ng	98
26) 2-Nitrophenol	7.65	139	112878	42.975	ng	# 84
27) 2,4-Dimethylphenol	7.69	122	244206	42.626	ng	95
28) bis(2-Chloroethoxy)methane	7.78	93	382215	42.322	ng	99
29) 2,4-Dichlorophenol	7.89	162	199963	42.047	ng	93
30) 1,2,4-Trichlorobenzene	7.97	180	214571	40.700	ng	100
31) Naphthalene	8.05	128	766670	41.149	ng	99
32) Benzoic acid	7.80	122	146454	36.808	ng	90
33) 4-Chloroaniline	8.11	127	230968	29.394	ng	99
34) Hexachlorobutadiene	8.16	225	125259	40.693	ng	97
35) Caprolactam	8.46	113	68494	42.365	ng	98
36) 4-Chloro-3-methylphenol	8.58	107	225258	36.866	ng	# 79
37) 2-Methylnaphthalene	8.74	142	462271	40.469	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	186777	45.107	ng	99
40) Hexachlorocyclopentadiene	8.89	237	15689	7.887	ng	95

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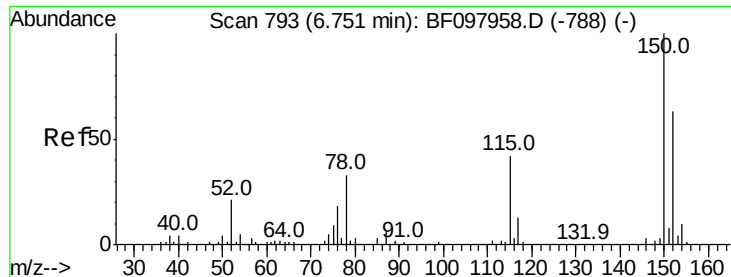
Manual Integrations
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 8/28/2017 3:13:35 PM

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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	124477	44.776	nq	98
43) 2,4,5-Trichlorophenol	9.06	196	126960	46.035	nq	96
45) 1,1'-Biphenyl	9.20	154	525891	42.743	nq	97
46) 2-Chloronaphthalene	9.23	162	383617	42.198	nq	93
47) 2-Nitroaniline	9.32	65	162222	53.229	nq	94
48) Acenaphthylene	9.64	152	663199	46.456	nq	99
49) Dimethylphthalate	9.50	163	527601	53.496	nq	99
50) 2,6-Dinitrotoluene	9.56	165	83425	42.377	nq #	51
51) Acenaphthene	9.81	154	361587	40.160	nq	99
52) 3-Nitroaniline	9.73	138	108343	42.656	nq	92
53) 2,4-Dinitrophenol	9.84	184	4741	14.563	nq #	80
54) Dibenzofuran	9.98	168	542589	44.965	nq	99
55) 4-Nitrophenol	9.90	139	162399	80.153	nq #	38
56) 2,4-Dinitrotoluene	9.97	165	102438	41.463	nq #	65
57) Fluorene	10.33	166	411588	44.117	nq	96
58) 2,3,4,6-Tetrachlorophenol	10.10	232	104140	48.771	nq	94
59) Diethylphthalate	10.20	149	450004	43.632	nq	98
60) 4-Chlorophenyl-phenylether	10.32	204	184351	42.534	nq	92
61) 4-Nitroaniline	10.35	138	116166	48.122	nq	80
62) Azobenzene	10.47	77	524961	42.851	nq	93
64) 4,6-Dinitro-2-methylphenol	10.37	198	4196	11.087	nq #	82
65) n-Nitrosodiphenylamine	10.43	169	357536	39.455	nq	99
66) 4-Bromophenyl-phenylether	10.80	248	112689	40.779	nq	95
67) Hexachlorobenzene	10.87	284	110594	39.265	nq #	80
68) Atrazine	10.96	200	98100	40.821	nq	97
69) Pentachlorophenol	11.07	266	126897	77.270	nq	98
70) Phenanthrene	11.29	178	713865	50.342	nq	100
71) Anthracene	11.33	178	680838	47.338	nq	99
72) Carbazole	11.49	167	596964	43.727	nq	98
73) Di-n-butylphthalate	11.83	149	691334	43.963	nq	99
74) Fluoranthene	12.47	202	1046601	70.712	nq	100
76) Benzidine	12.59	184	36924	6.212	nq #	94
77) Pyrene	12.70	202	1061658	71.604	nq	99
79) Butylbenzylphthalate	13.32	149	299623	52.708	nq #	70
80) Benzo(a)anthracene	13.89	228	626496	57.662	nq	97
81) 3,3'-Dichlorobenzidine	13.85	252	108500	29.594	nq #	96
82) Chrysene	13.93	228	615889	56.984	nq	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	337905	53.643	nq #	100
84) Di-n-octyl phthalate	14.50	149	544172	49.649	nq #	99
85) Indeno(1,2,3-cd)pyrene	16.73	276	417291	52.484	nq	93
87) Benzo(b)fluoranthene	14.92	252	513648	63.187	nq	97
88) Benzo(k)fluoranthene	14.95	252	411655m	53.901	nq	
89) Benzo(a)pyrene	15.27	252	453301	62.989	nq	99
90) Dibenzo(a,h)anthracene	16.74	278	290257	49.542	nq	99
91) Benzo(g,h,i)perylene	17.15	276	361550	59.143	nq	92

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



#1

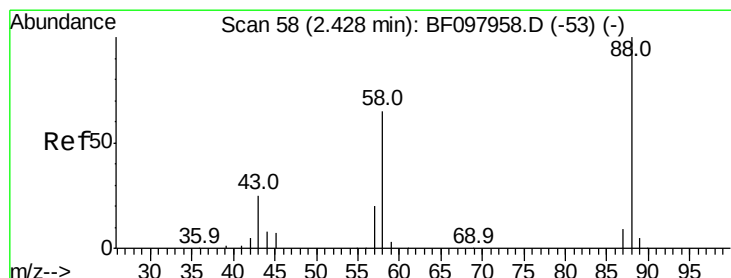
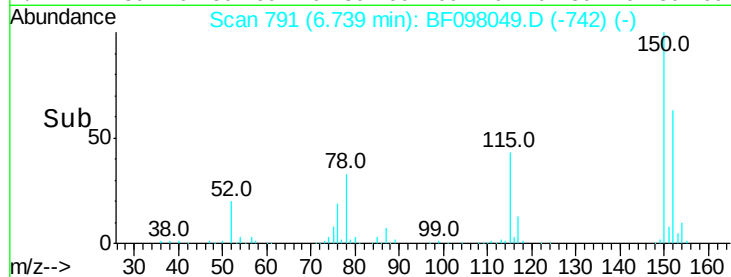
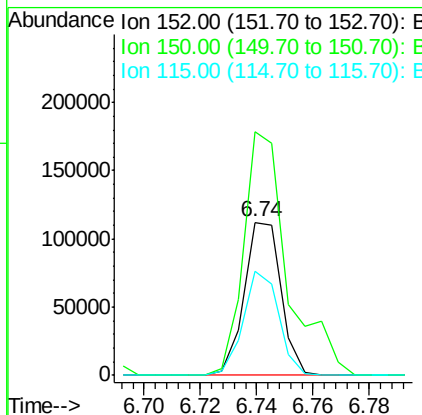
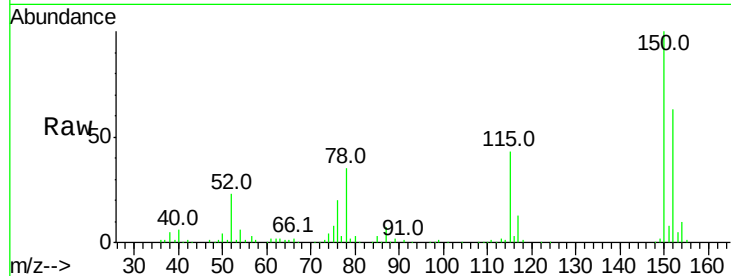
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.2	189.2
115	68.2	52.2	78.2

Manual Integrations
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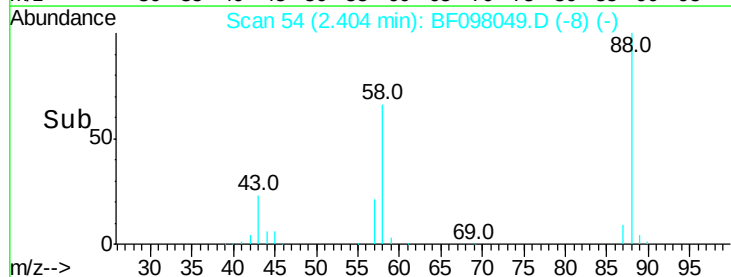
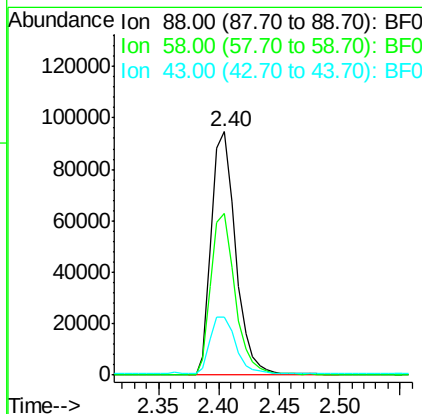
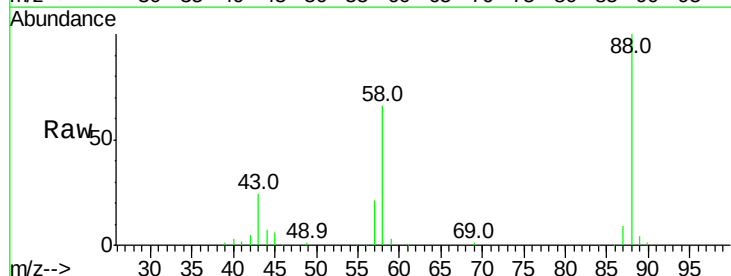
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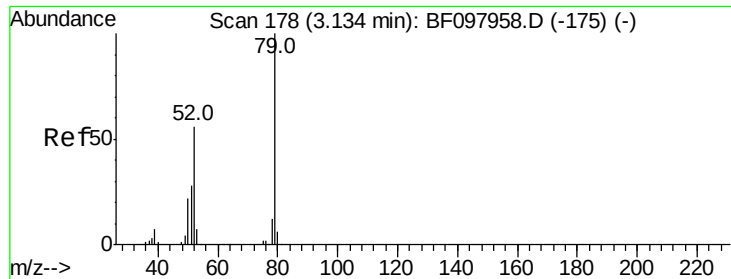


#2

1,4-Dioxane
Concen: 35.669 ng
RT: 2.40 min Scan# 54
Delta R.T. -0.03 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.3	61.4	92.0
43	25.1	23.4	35.0





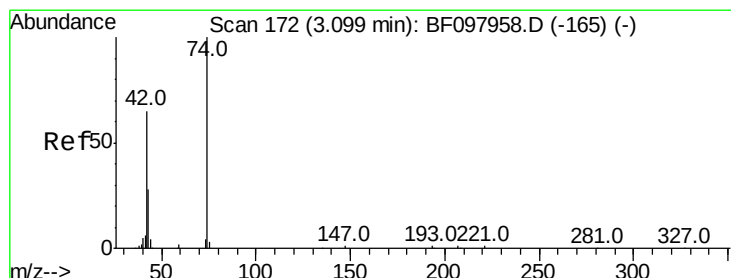
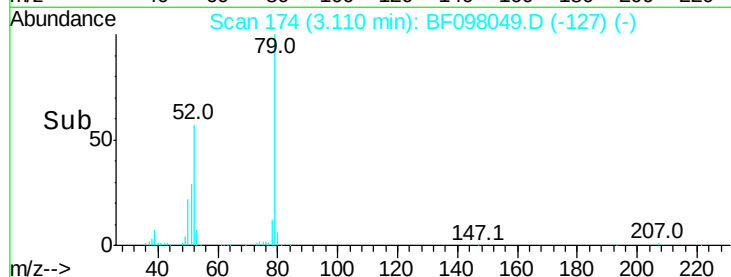
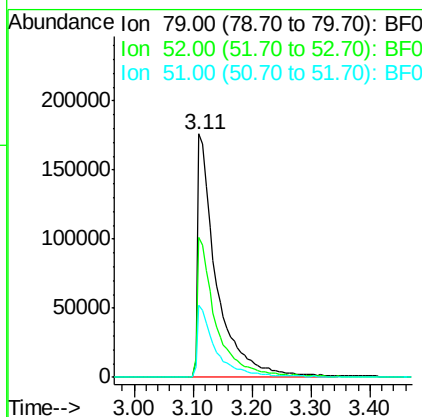
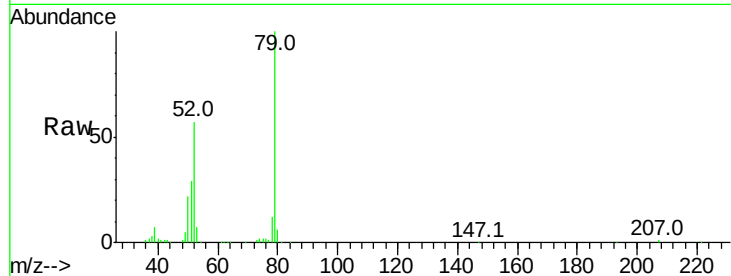
#3
 Pvridine
 Concen: 38.121 ng
 RT: 3.11 min Scan# 174
 Delta R.T. -0.02 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
79	100		
52	57.4	54.8	82.2
51	29.4	27.0	40.4

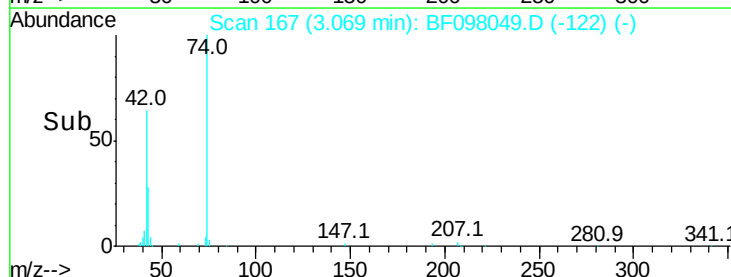
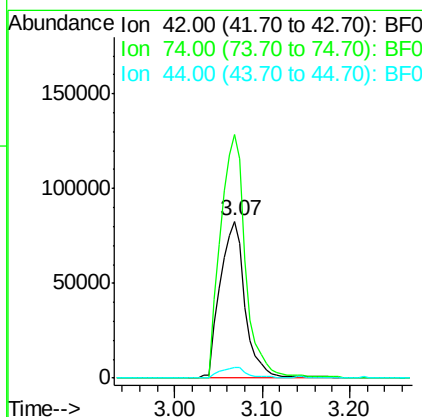
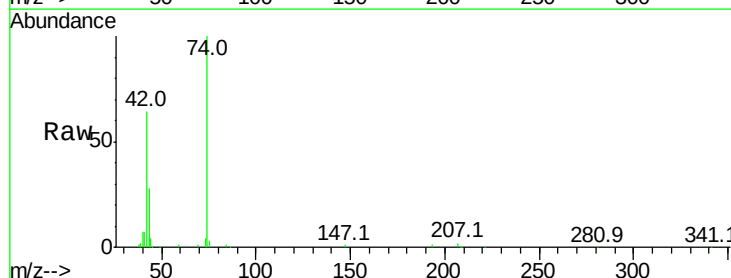
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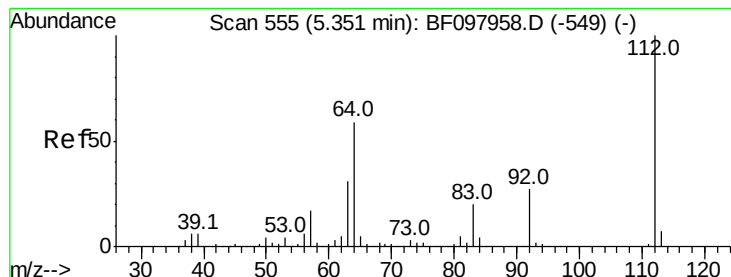
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#4
 n-Nitrosodimethylamine
 Concen: 41.541 ng
 RT: 3.07 min Scan# 167
 Delta R.T. -0.04 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
42	100		
74	155.3	103.9	155.9
44	6.7	5.7	8.5





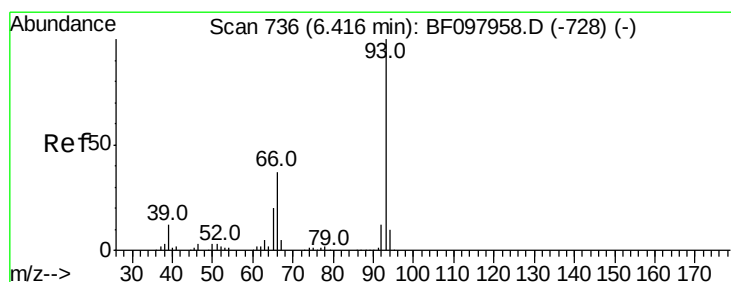
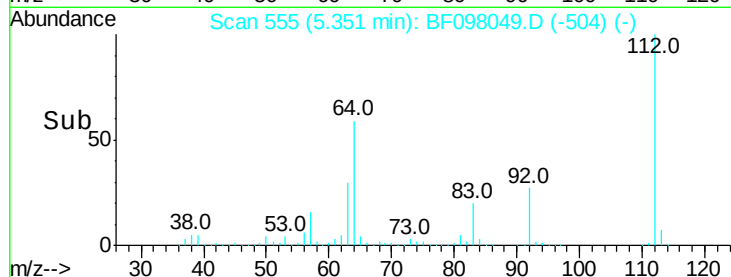
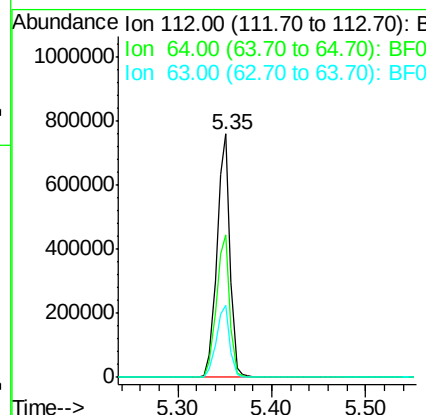
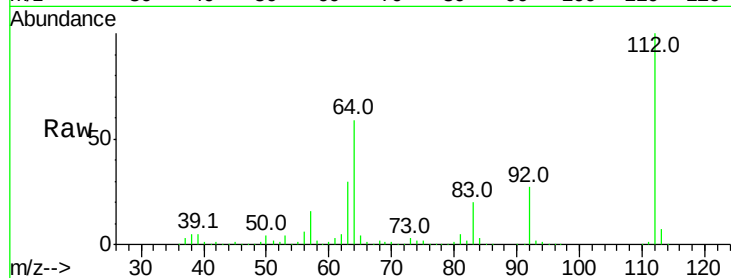
#5
 2-Fluorophenol
 Concen: 112.503 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	58.6	46.0	69.0
63	29.7	23.4	35.0

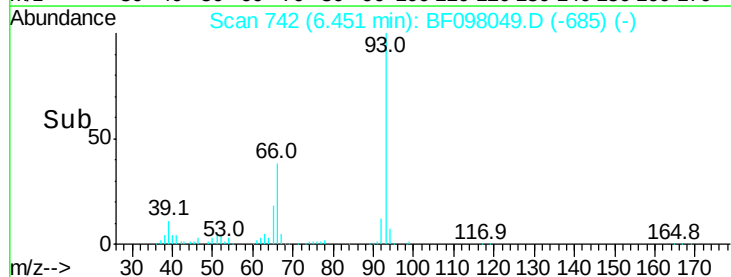
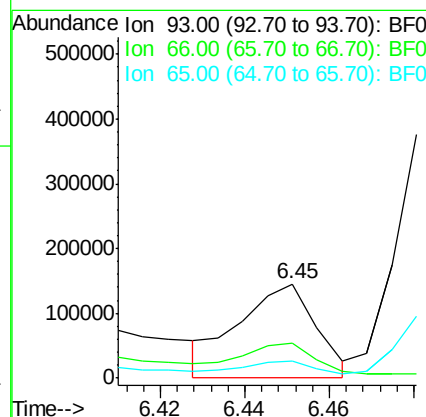
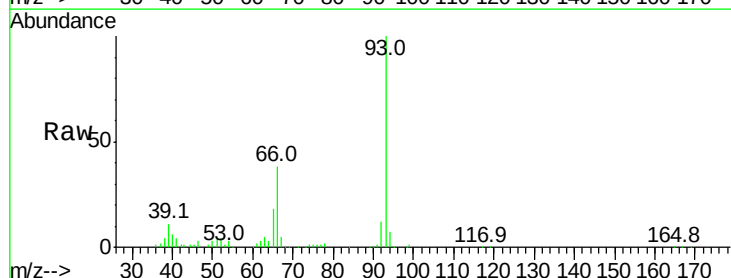
Manual Integrations
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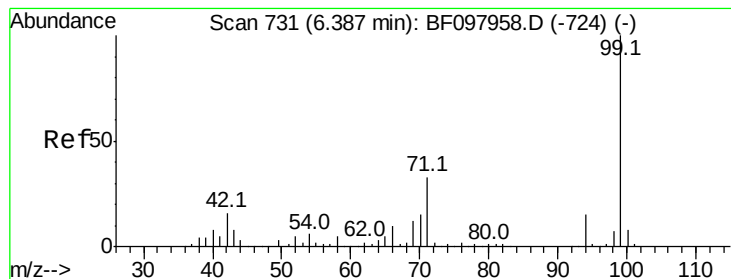
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#6
 Aniline
 Concen: 14.575 ng
 RT: 6.45 min Scan# 742
 Delta R.T. 0.04 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	37.6	32.9	49.3
65	18.1	16.0	24.0





#7

Phenol-d6

Concen: 109.156 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

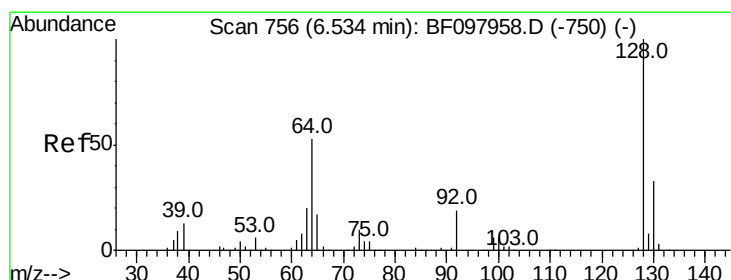
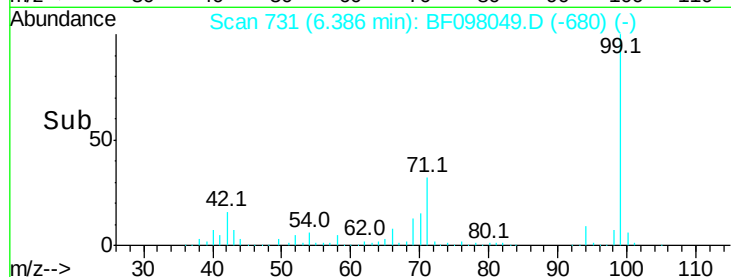
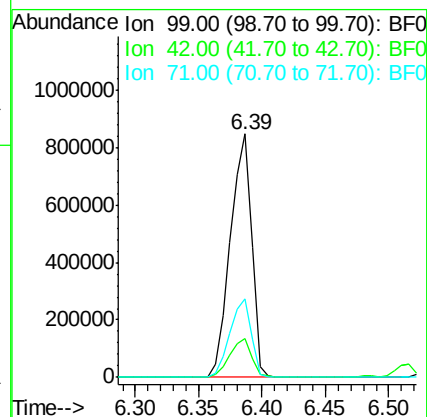
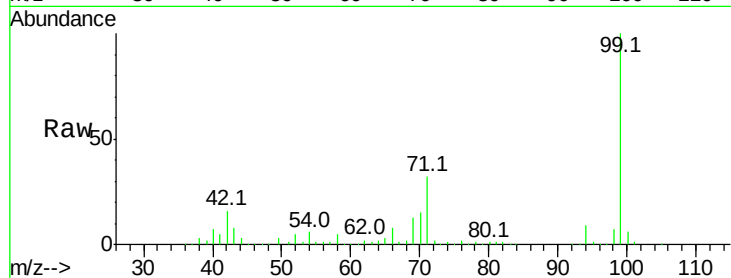
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		988626		
42	15.7	13.5	20.3		
71	32.2	24.5	36.7		

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#8

2-Chlorophenol

Concen: 42.115 ng

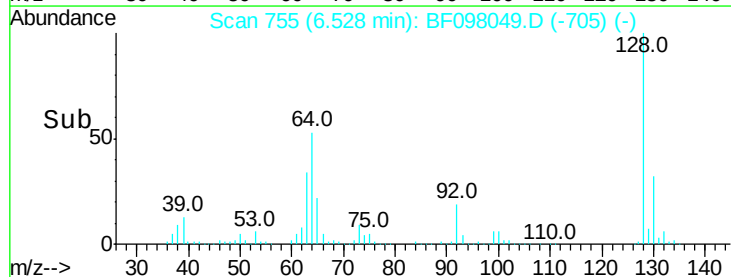
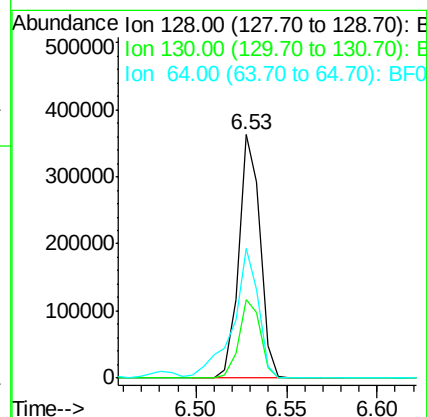
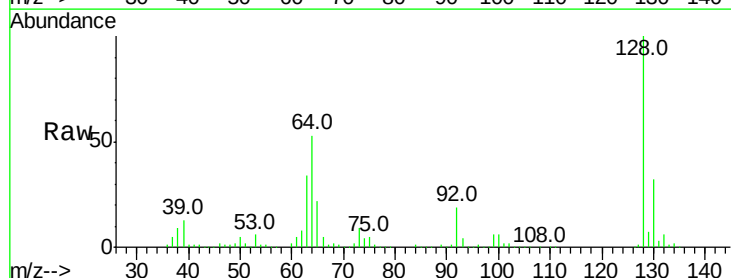
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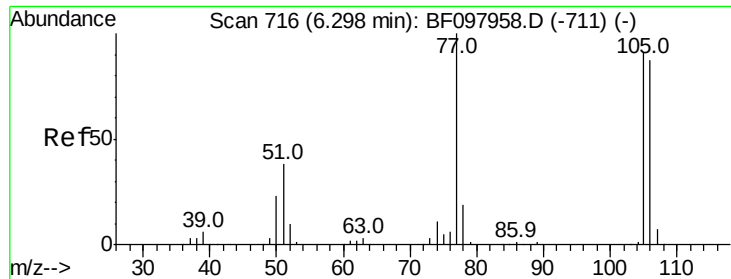
Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		296065		
130	32.1	12.9	52.9		
64	53.4	28.4	68.4		





#9

Benzaldehyde

Concen: 27.641 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion: 77 Resp: 158571

Ion Ratio Lower Upper

77 100

105 92.5 83.8 123.8

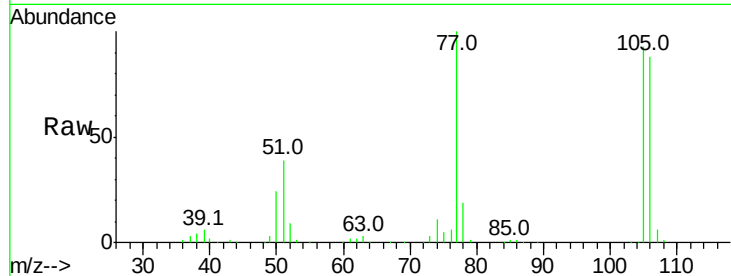
106 88.0 79.1 119.1

Manual Integrations

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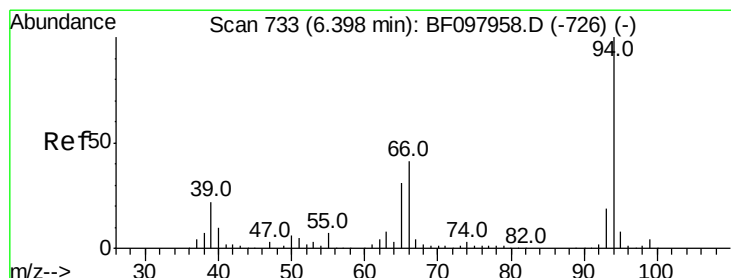
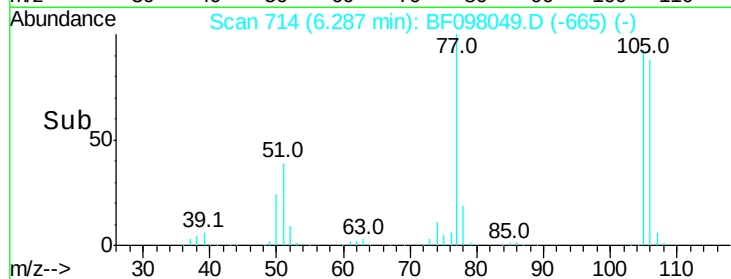
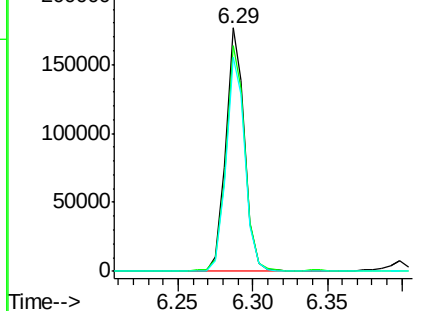
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Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 41.396 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

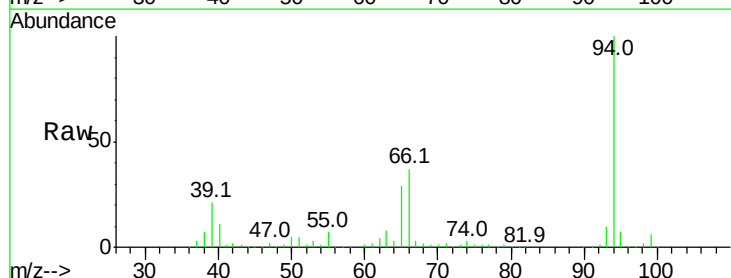
Tgt Ion: 94 Resp: 438492

Ion Ratio Lower Upper

94 100

65 29.0 9.9 49.9

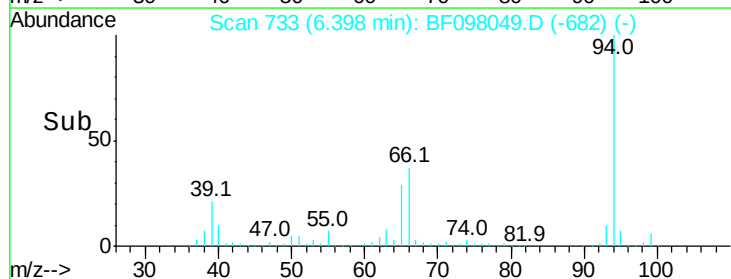
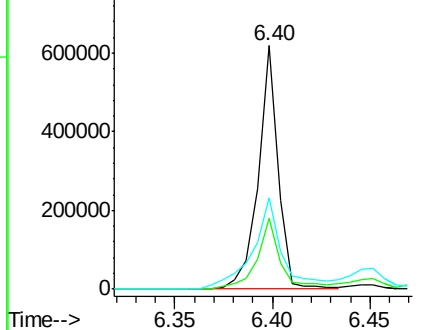
66 37.5 23.1 63.1

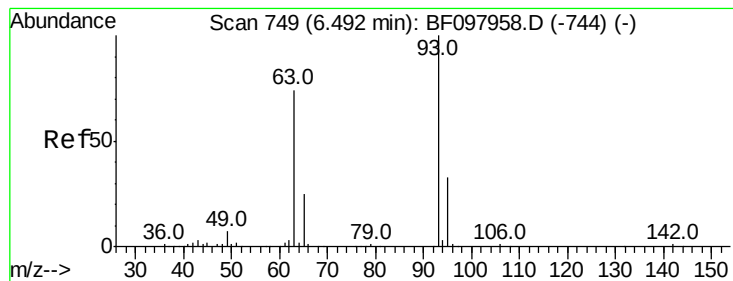


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





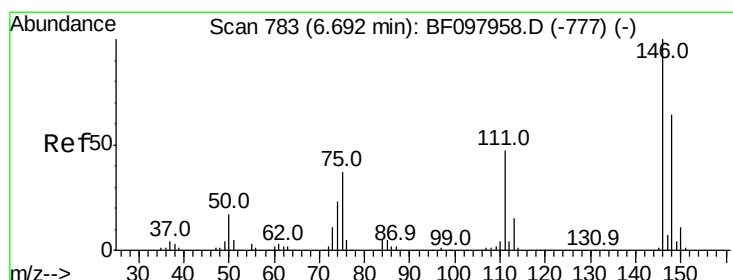
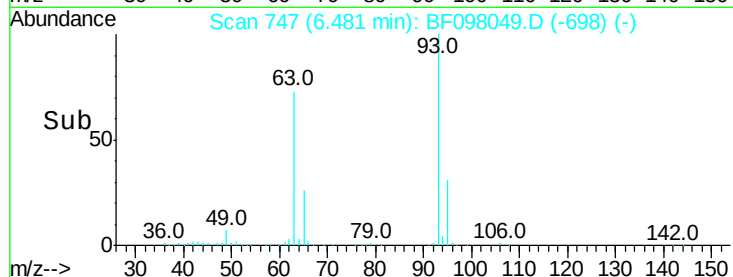
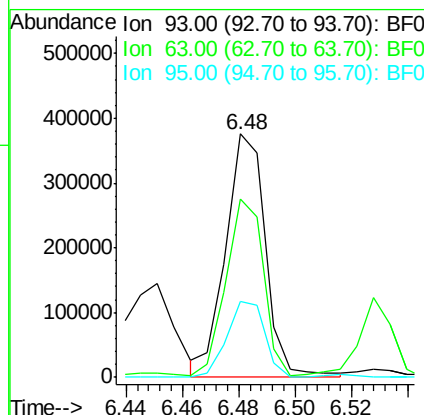
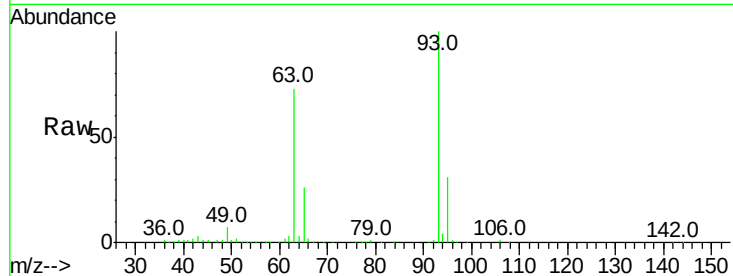
#11
bis(2-Chloroethyl)ether
Concen: 46.033 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	73.1	59.2	99.2
95	31.3	12.8	52.8

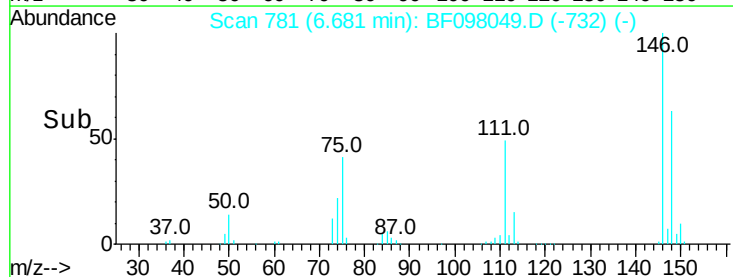
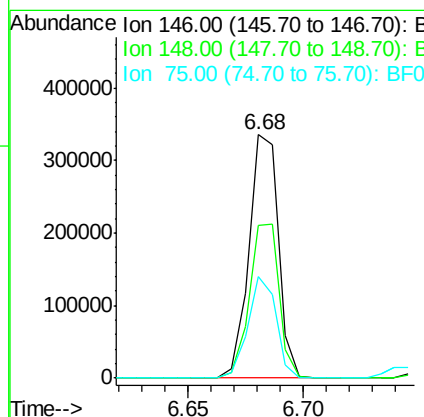
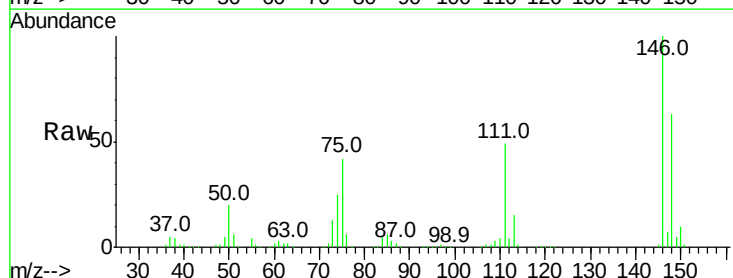
Manual Integrations
APPROVED

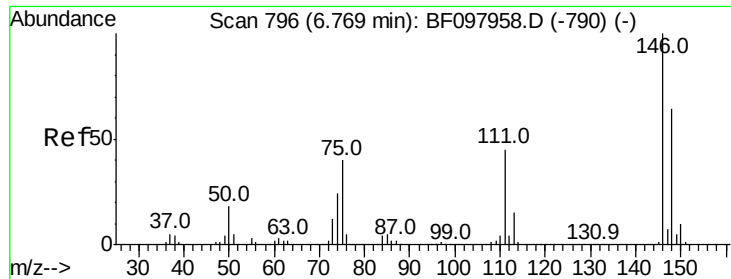
Sohil
8/28/2017 3:13:35 PM



#12
1,3-Dichlorobenzene
Concen: 39.673 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.8	77.6
75	41.6	23.1	34.7





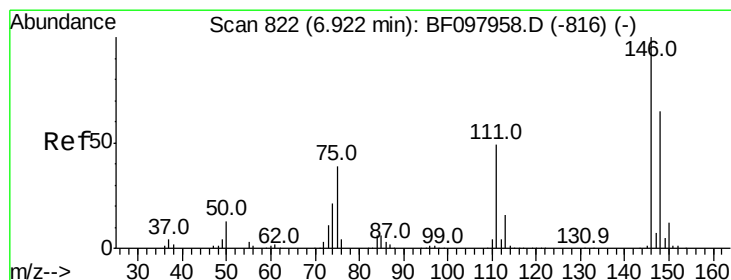
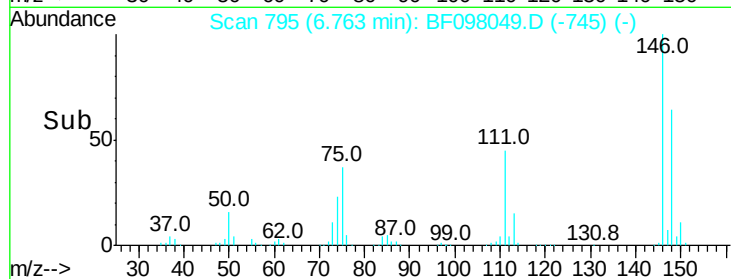
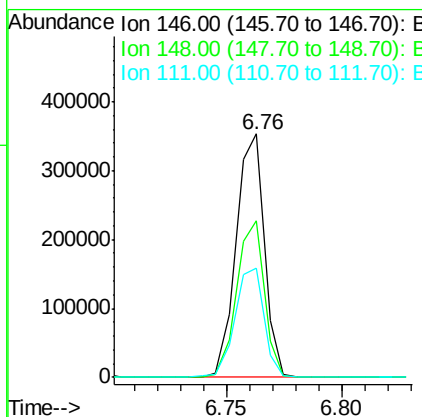
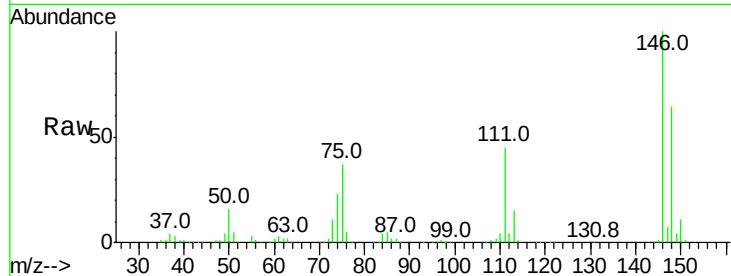
#13
 1,4-Dichlorobenzene
 Concen: 39.277 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	44.8	30.3	45.5

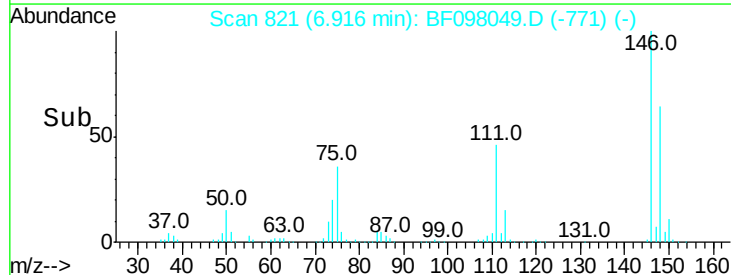
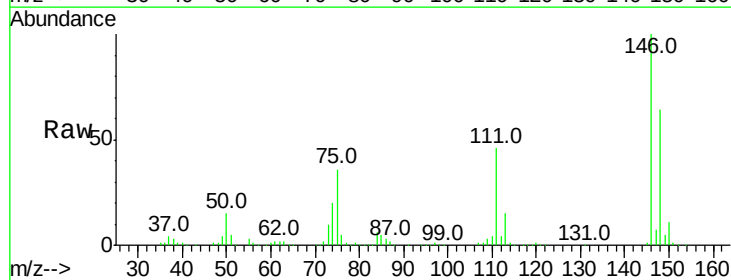
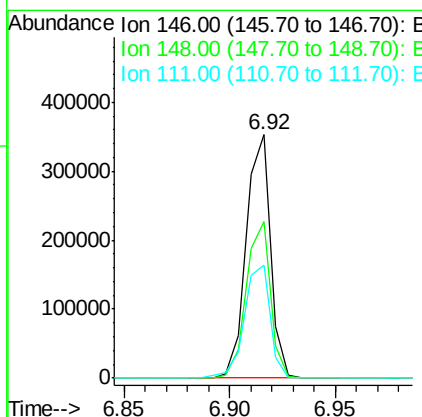
Manual Integrations
 APPROVED

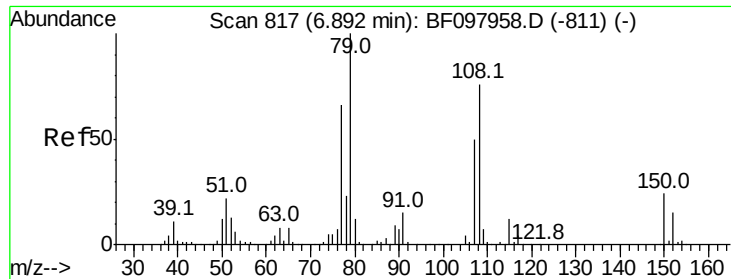
Sohil
 8/28/2017 3:13:35 PM



#14
 1,2-Dichlorobenzene
 Concen: 39.649 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.4	75.6
111	46.3	38.2	57.4





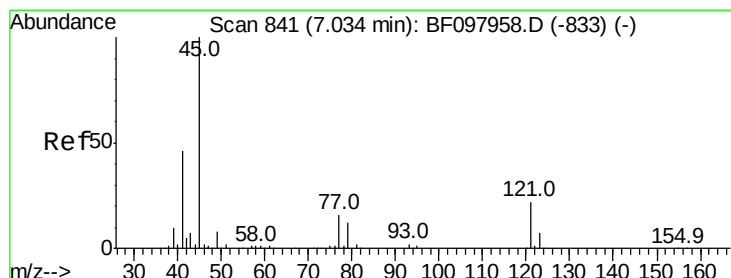
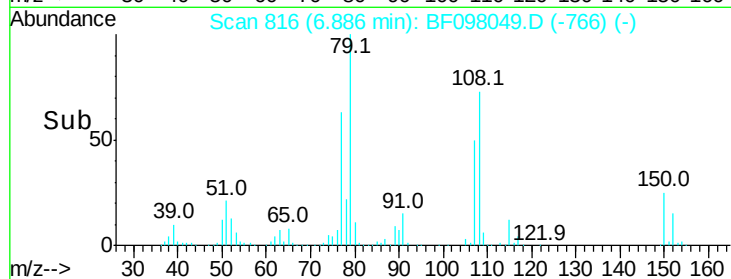
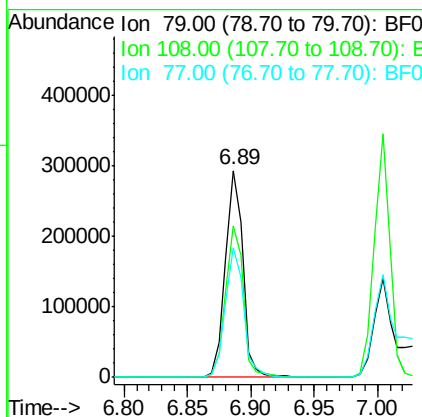
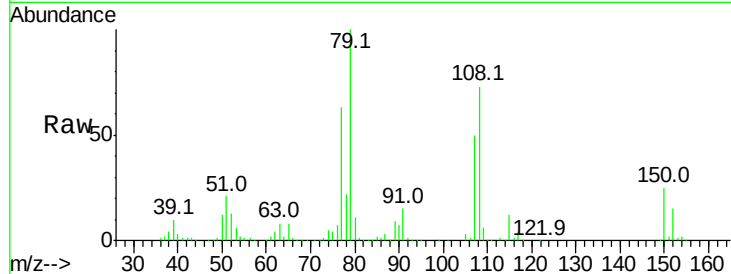
#15
Benzyl Alcohol
Concen: 41.842 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.4	63.4	95.0
77	62.7	49.2	73.8

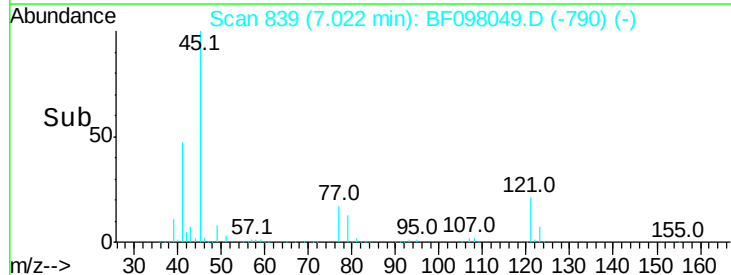
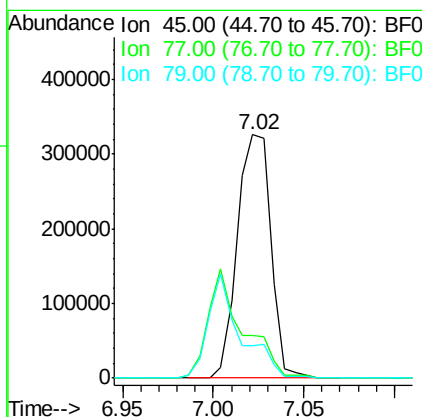
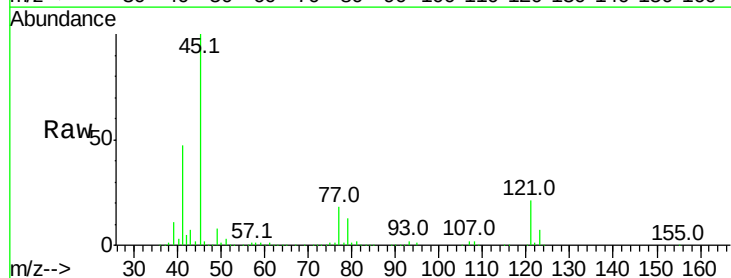
Manual Integrations
APPROVED

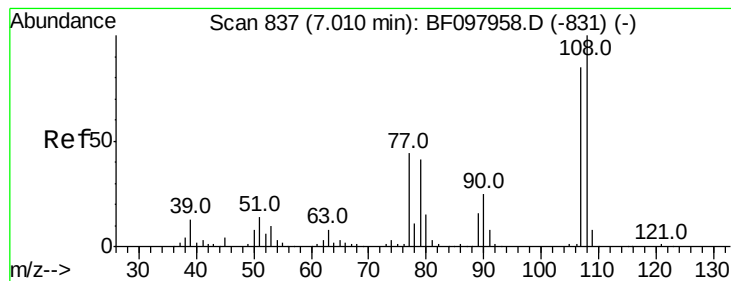
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#16
2,2'-oxybis(1-chloropropane)
Concen: 38.960 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	33.2
79	13.1	0.0	30.0





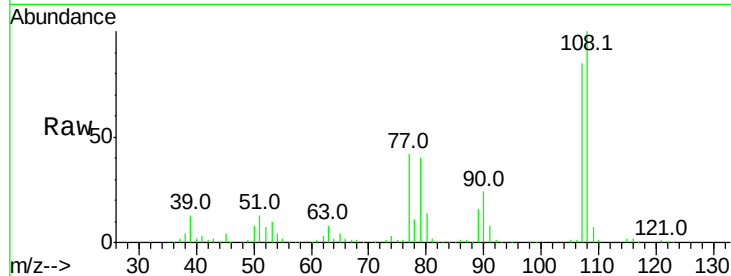
#17
2-Methylphenol
Concen: 40.745 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	118.2	93.4	140.0	
77	49.9	35.8	53.6	
79	47.8	34.8	52.2	

Manual Integrations
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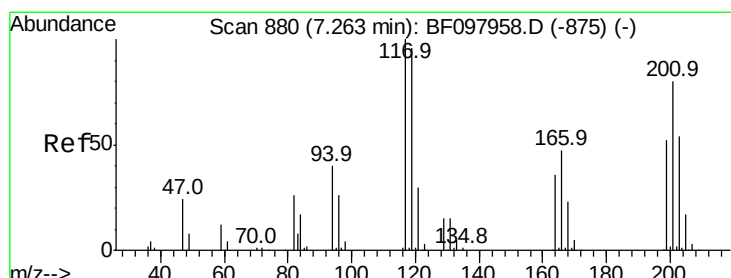
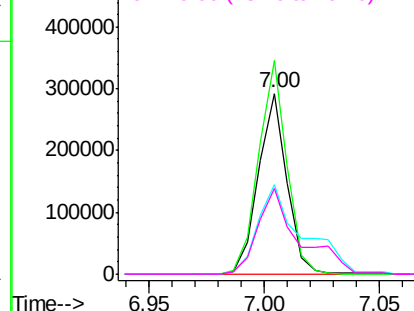
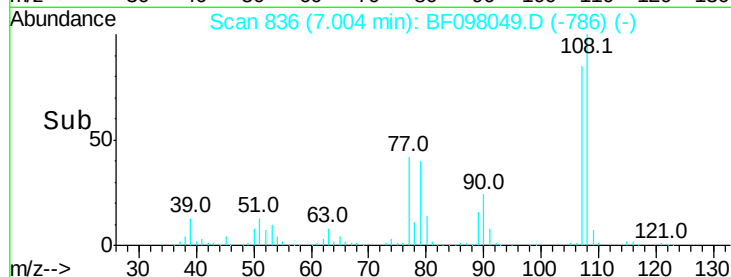
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

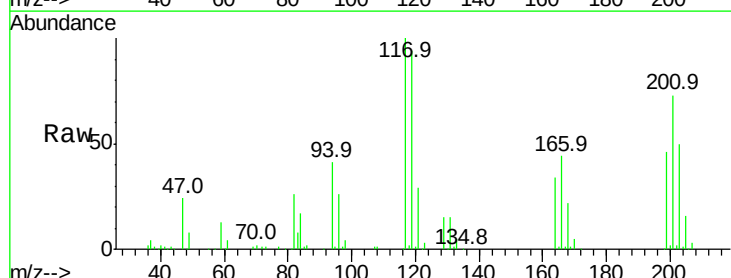
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 29.505 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.8	77.4	116.0	
201	72.5	94.6	141.8#	

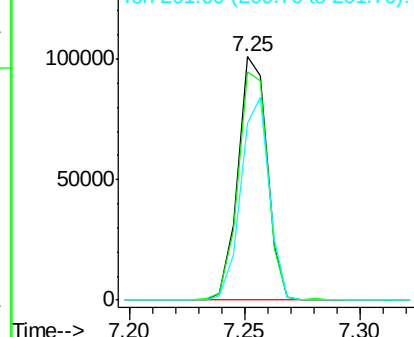
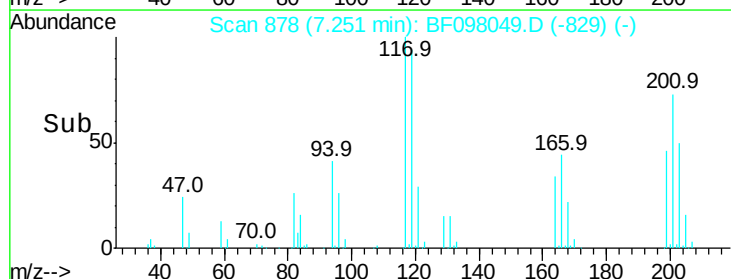


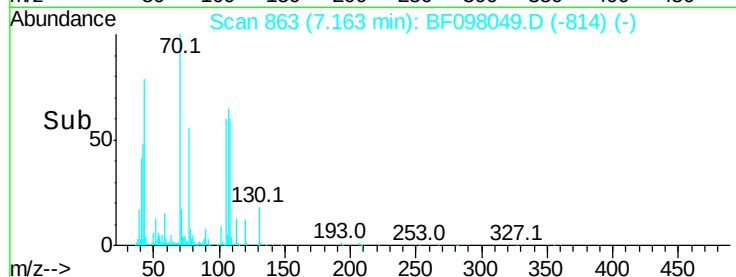
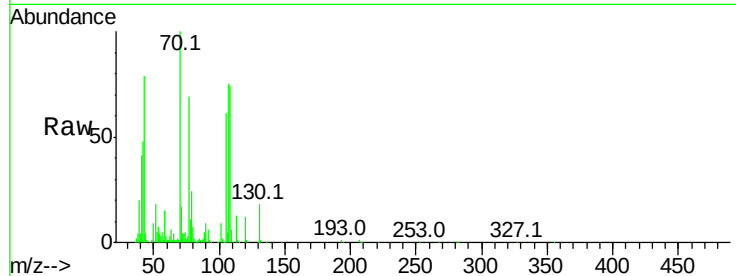
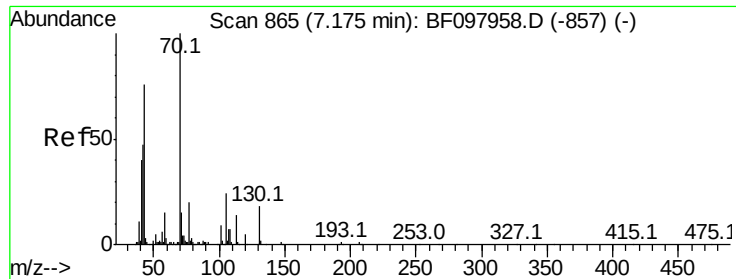
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





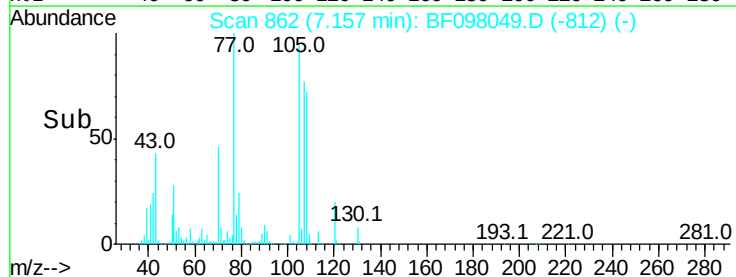
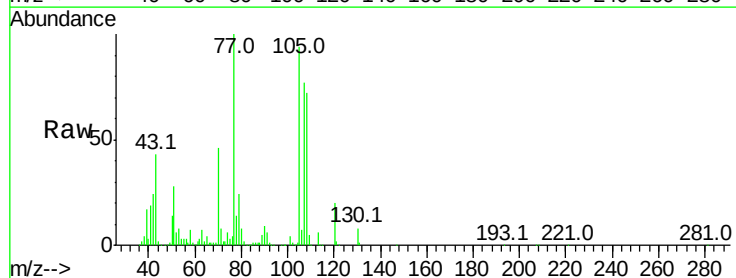
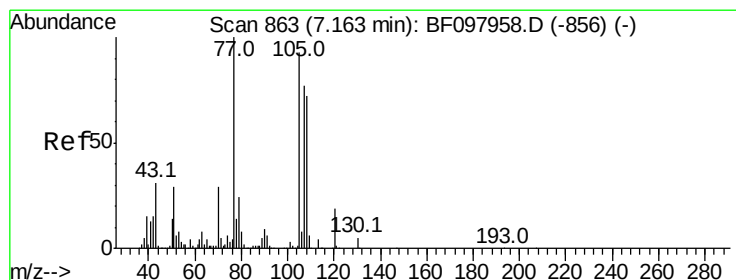
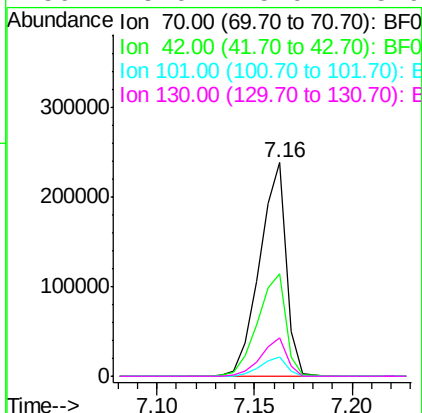
#19
n-Nitroso-di-n-propylamine
Concen: 36.257 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
70	100		
42	48.1	47.2	70.8
101	8.9	7.2	10.8
130	18.0	15.9	23.9

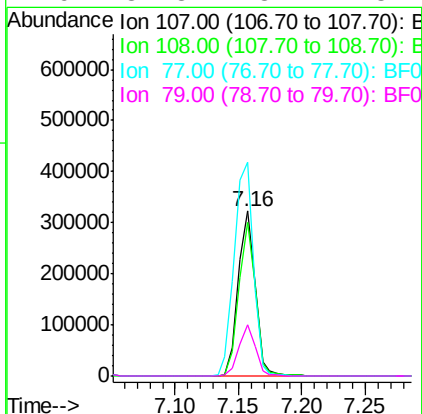
Manual Integrations
APPROVED

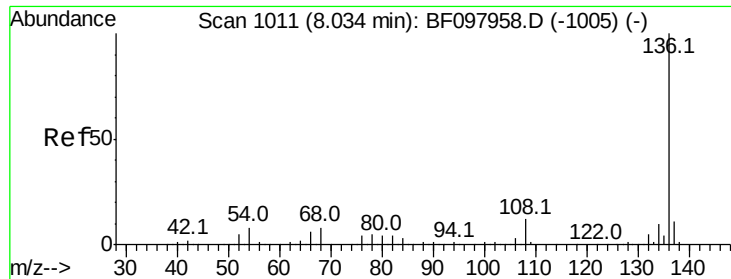
Sohil
8/28/2017 3:13:35 PM



#20
3+4-Methylphenols
Concen: 39.324 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.1	71.0	111.0
77	129.4	90.5	130.5
79	31.3	8.4	48.4





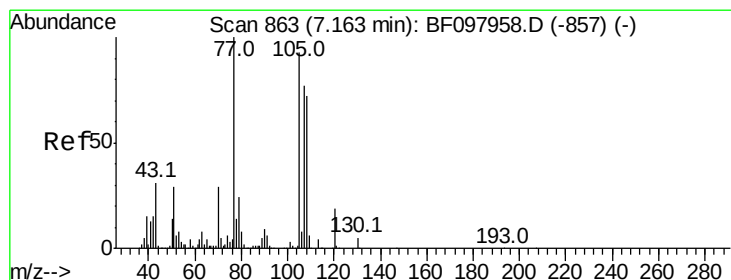
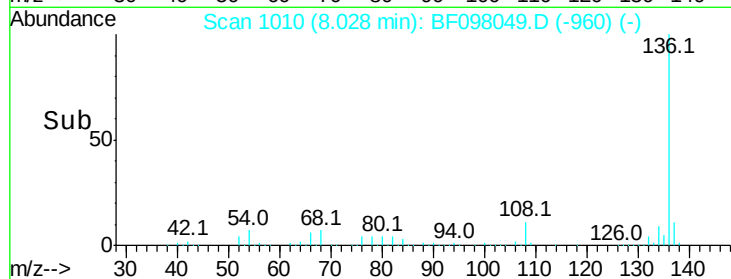
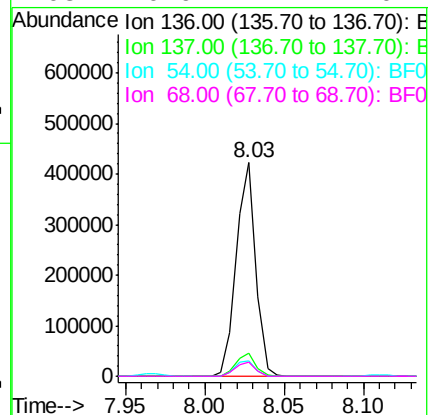
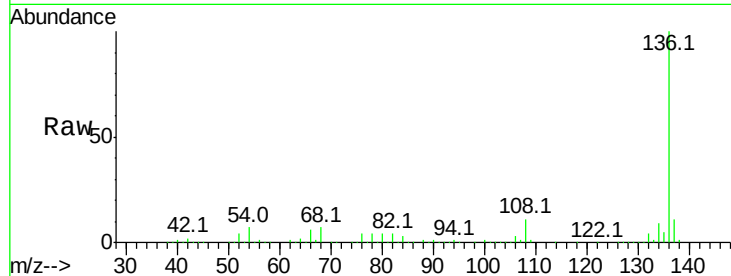
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	7.0	4.9	7.3	
68	6.9	4.1	6.1	

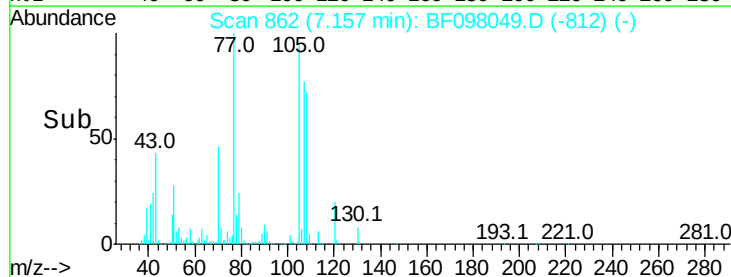
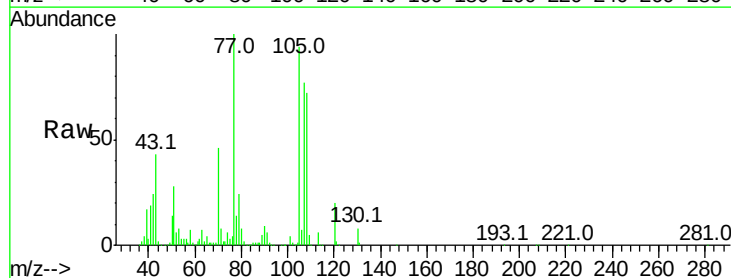
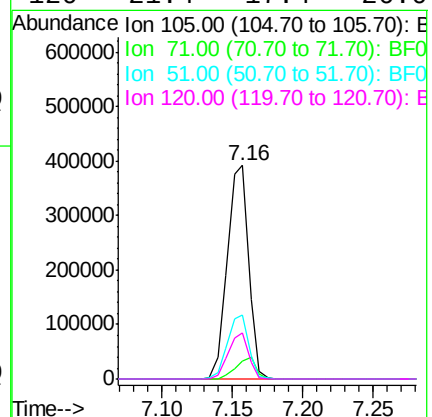
Manual Integrations
APPROVED

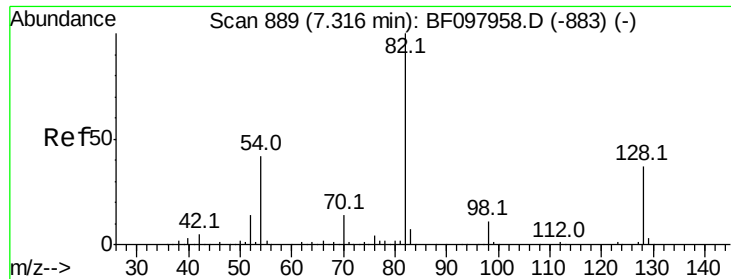
Sohil
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#22
Acetophenone
Concen: 43.531 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	8.5	2.8	4.2	
51	29.9	30.7	46.1	
120	21.4	17.4	26.0	





#23

Nitrobenzene-d5

Concen: 89.026 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

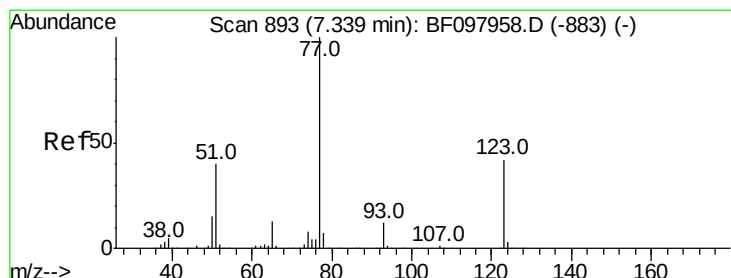
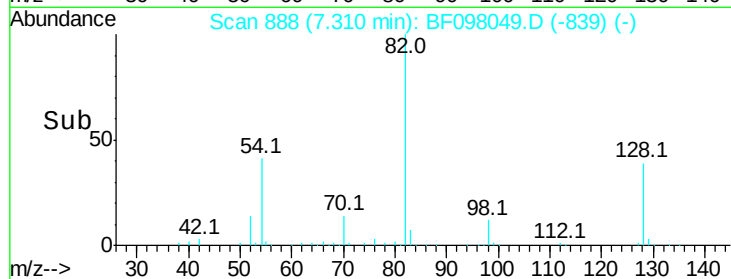
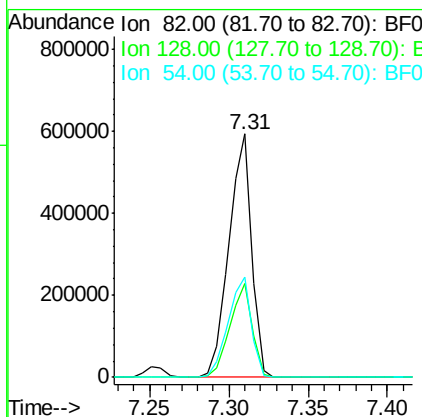
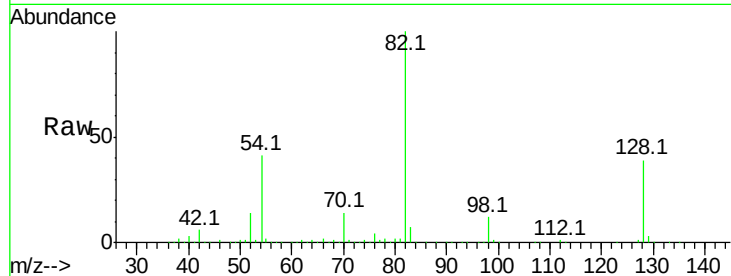
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion:	82	Resp:	588140
Ion Ratio	Lower	Upper	
82	100		
128	38.8	34.0	51.0
54	41.3	42.2	63.2#

Manual Integrations
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#24

Nitrobenzene

Concen: 47.940 ng

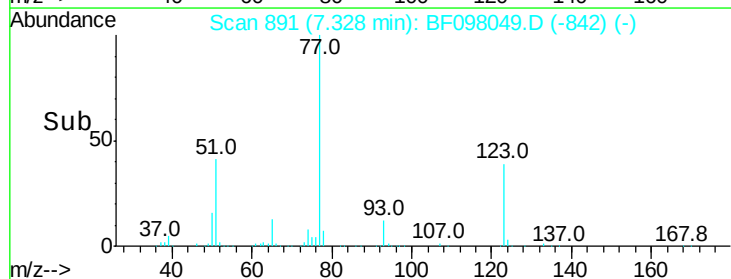
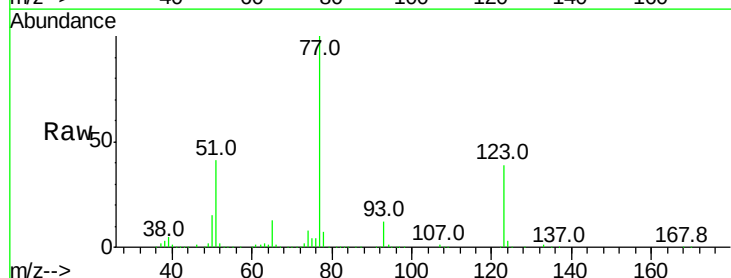
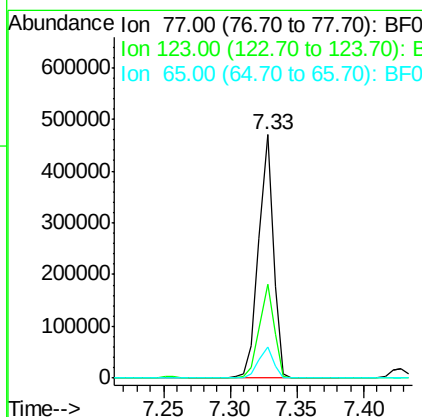
RT: 7.33 min Scan# 891

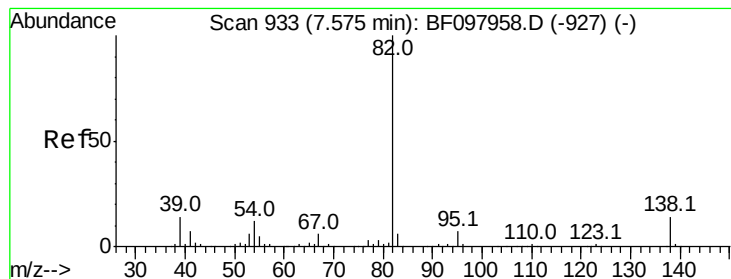
Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion:	77	Resp:	352639
Ion Ratio	Lower	Upper	
77	100		
123	38.8	35.8	53.8
65	12.8	10.6	15.8





#25

Isophorone

Concen: 43.919 ng

RT: 7.57 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

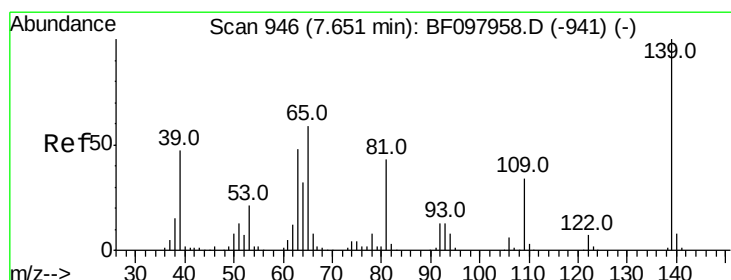
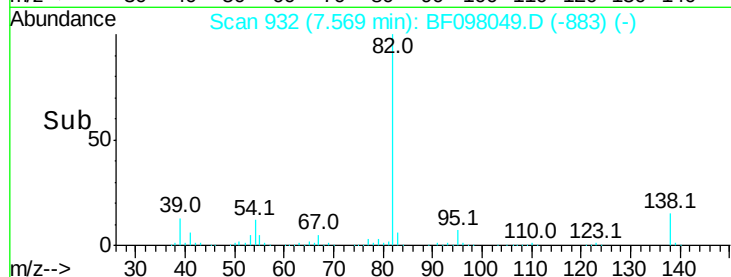
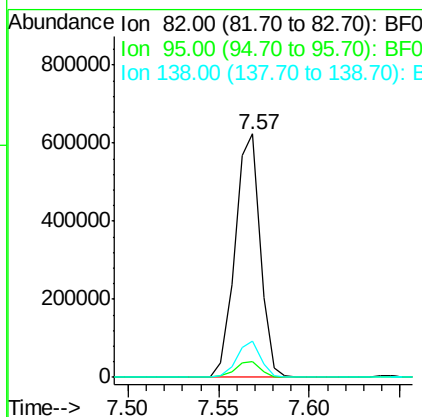
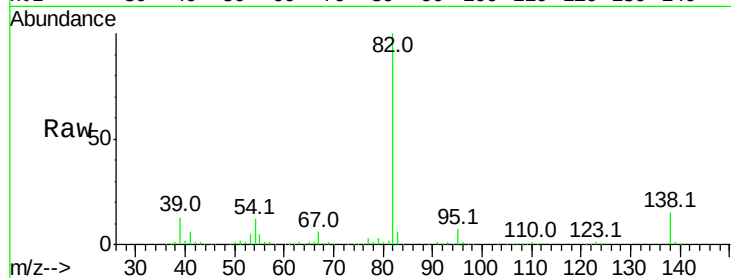
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion:	82	Resp:	603324
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.3	7.9
138	15.1	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 42.975 ng

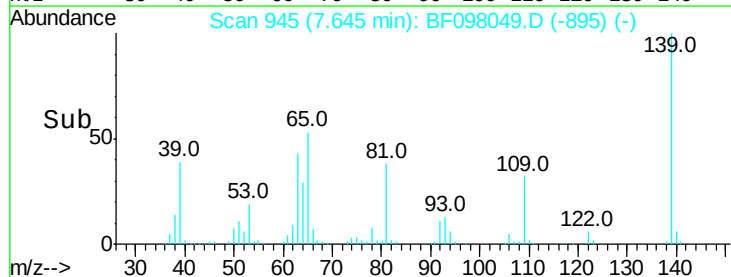
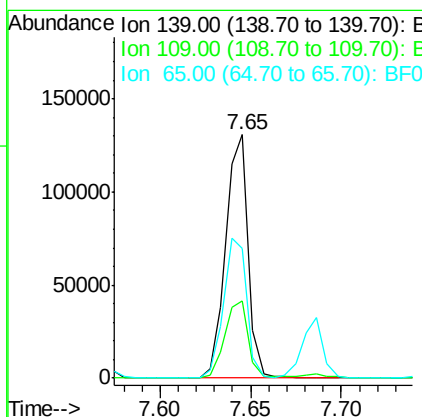
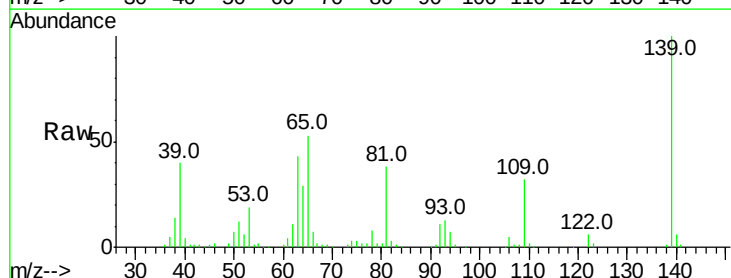
RT: 7.65 min Scan# 945

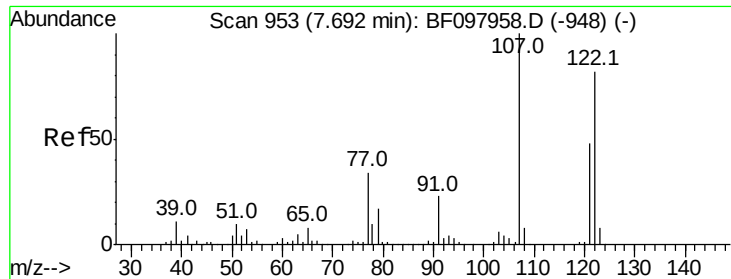
Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion:	139	Resp:	112878
Ion Ratio	Lower	Upper	
139	100		
109	32.0	21.0	31.6#
65	53.2	33.0	49.6#





#27

2,4-Dimethylphenol

Concen: 42.626 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

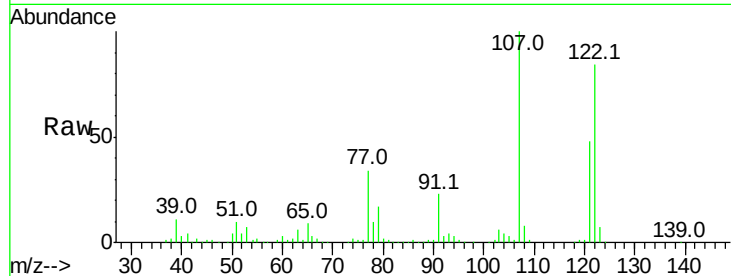
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion:	122	Resp:	244206
Ion Ratio	Lower	Upper	
122	100		
107	118.4	89.2	133.8
121	57.3	45.2	67.8

Manual Integrations
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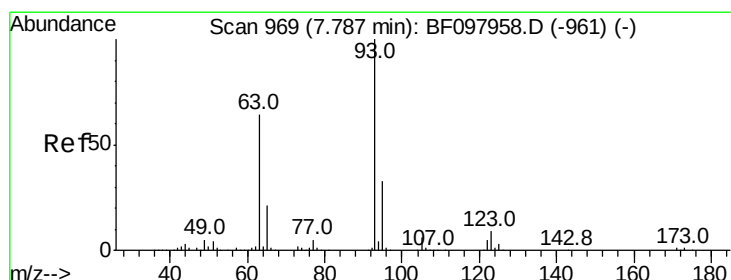
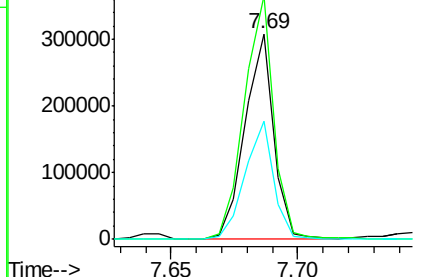
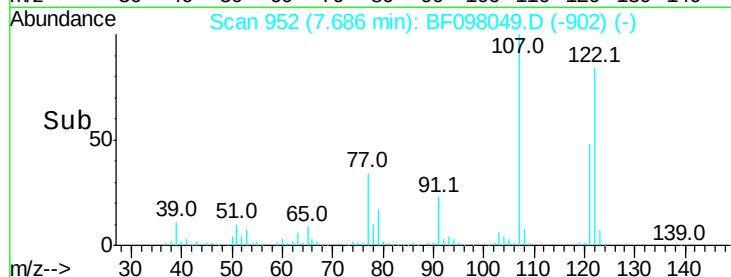
Sohil
8/28/2017 3:13:35 PM



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 42.322 ng

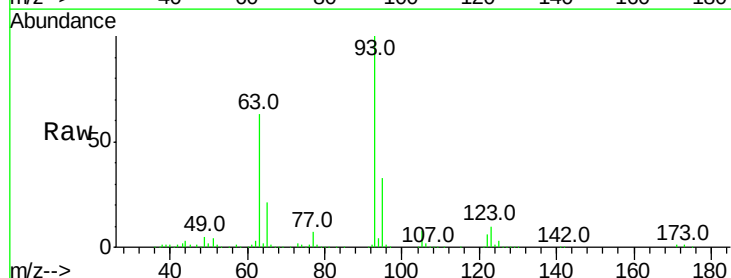
RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

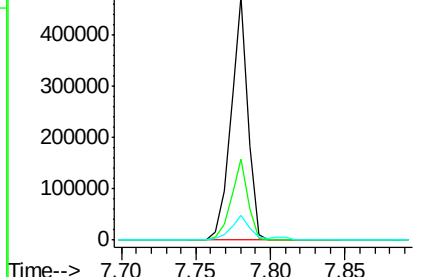
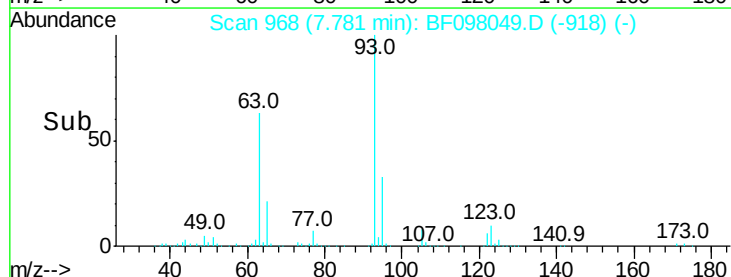
Tgt Ion:	93	Resp:	382215
Ion Ratio	Lower	Upper	
93	100		
95	33.2	26.5	39.7
123	10.0	9.0	13.4

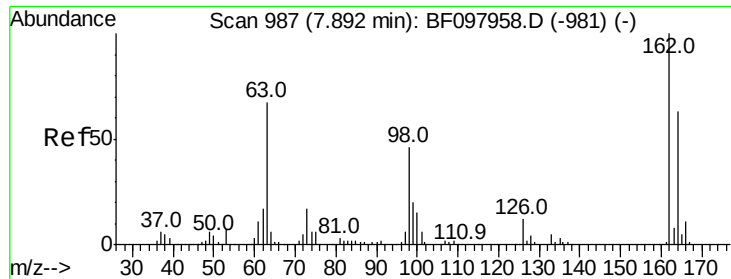


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





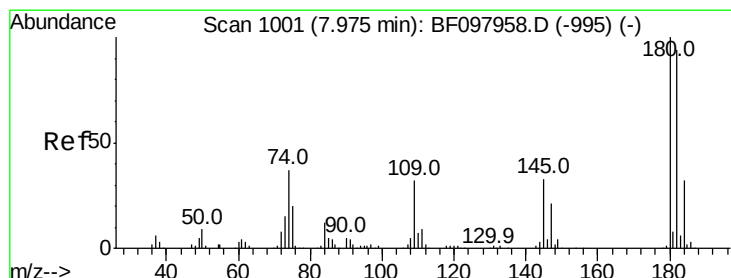
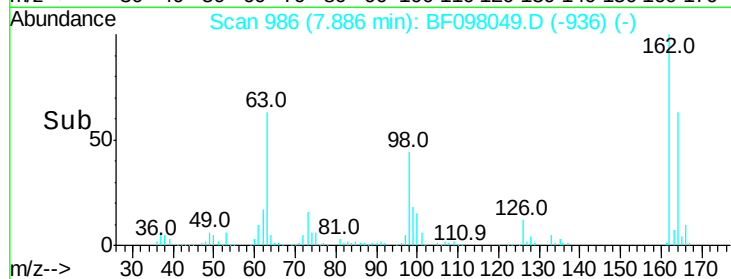
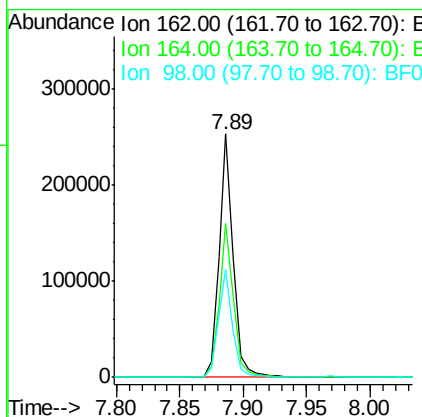
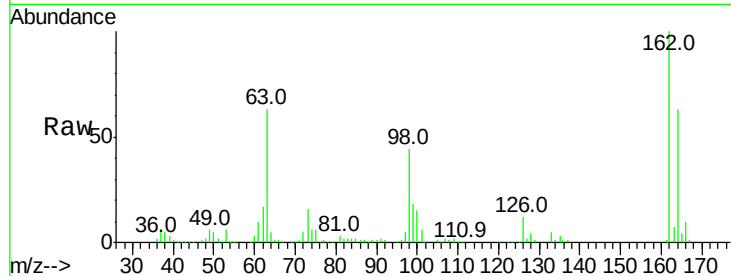
#29
 2,4-Dichlorophenol
 Concen: 42.047 ng
 RT: 7.89 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion:	162	Resp:	199963
Ion Ratio	Lower	Upper	
162	100		
164	63.2	44.6	84.6
98	44.4	14.8	54.8

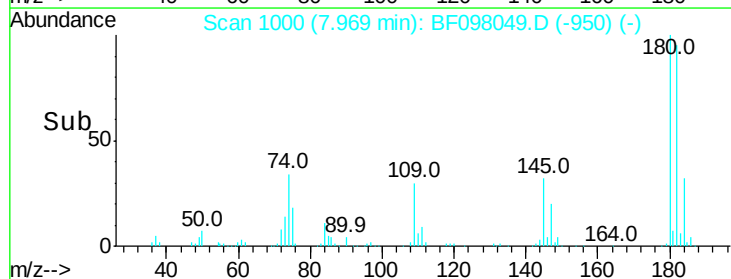
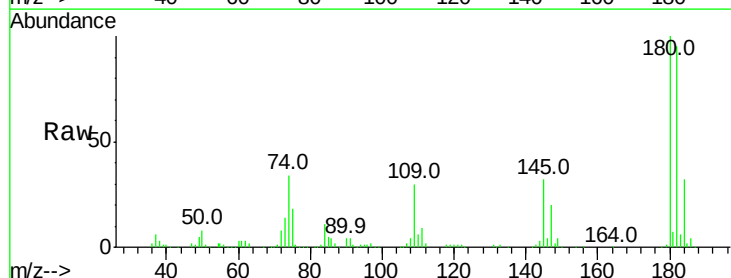
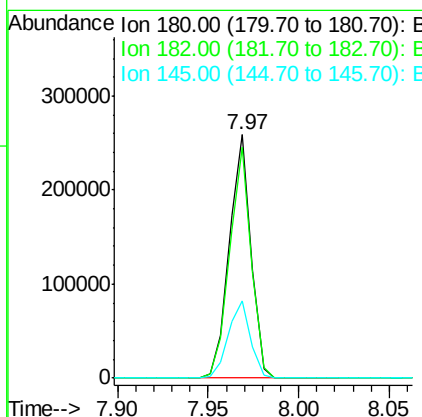
Manual Integrations
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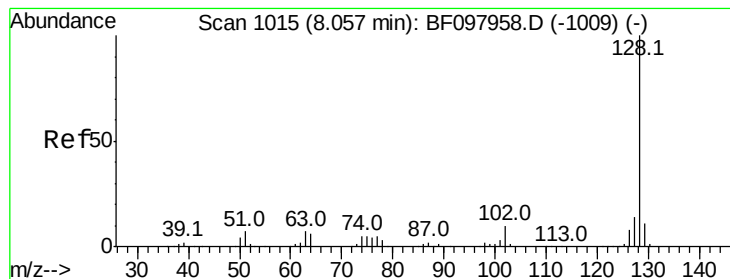
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#30
 1,2,4-Trichlorobenzene
 Concen: 40.700 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion:	180	Resp:	214571
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.8	113.6
145	31.9	25.3	37.9





#31

Naphthalene

Concen: 41.149 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

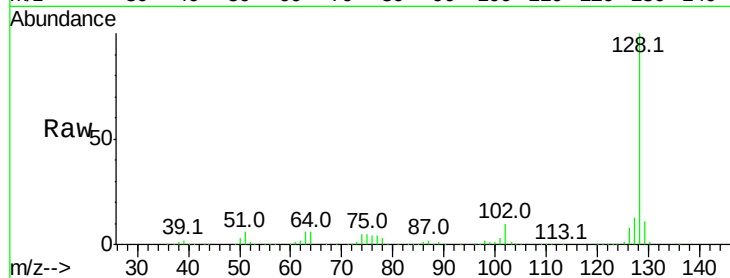
ClientSampleId :

IRON-LEAF-TOPSOILMS

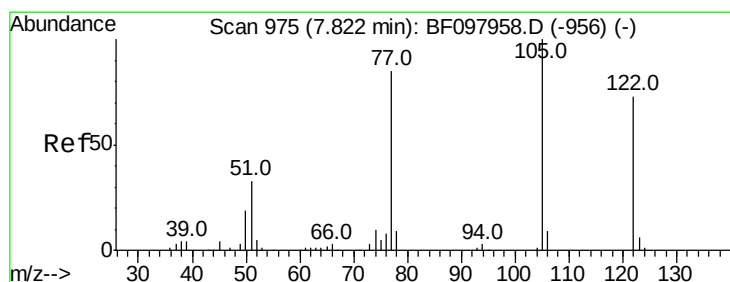
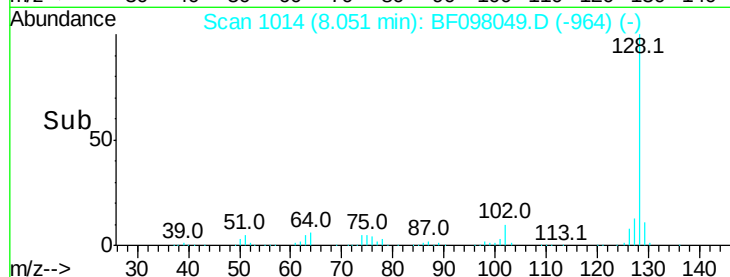
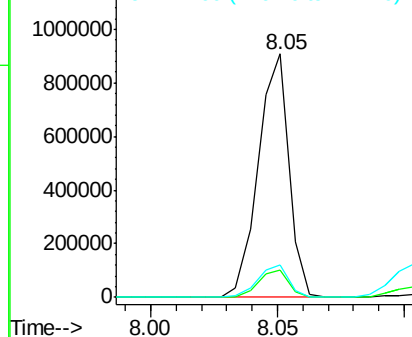
Tot Ion:	128	Resp:	766670
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.3	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 36.808 ng

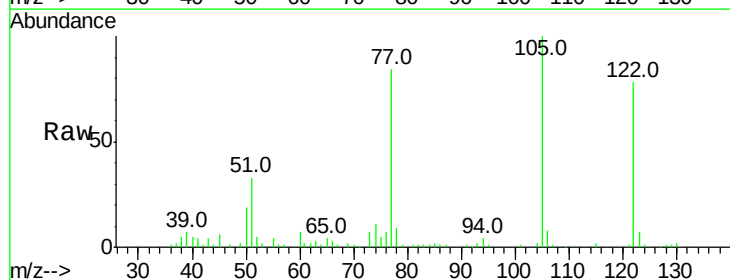
RT: 7.80 min Scan# 972

Delta R.T. -0.03 min

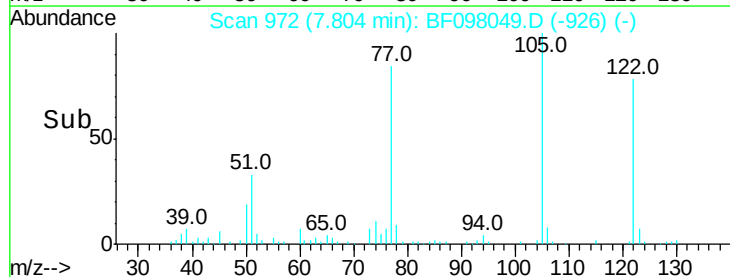
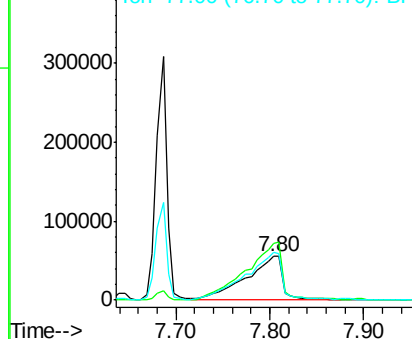
Lab File: BF098049.D

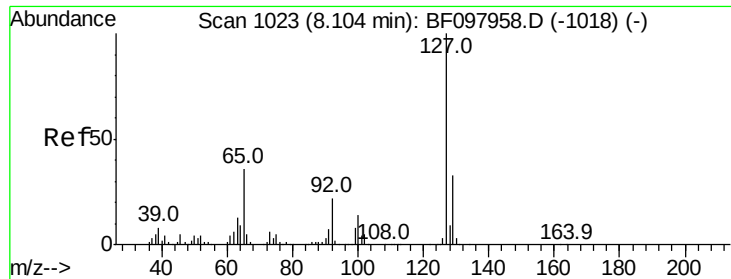
Acq: 26 Aug 2017 00:03

Tgt Ion:	122	Resp:	146454
Ion Ratio	Lower	Upper	
122	100		
105	128.9	103.3	143.3
77	108.9	73.7	113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





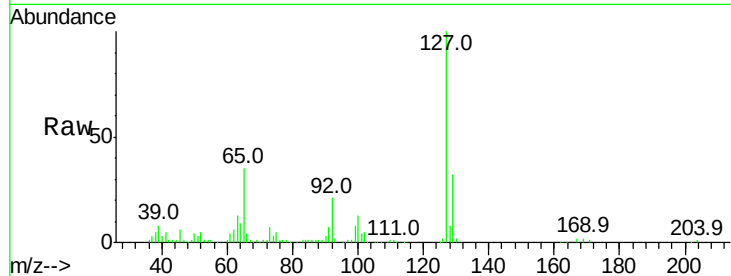
#33
4-Chloroaniline
Concen: 29.394 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

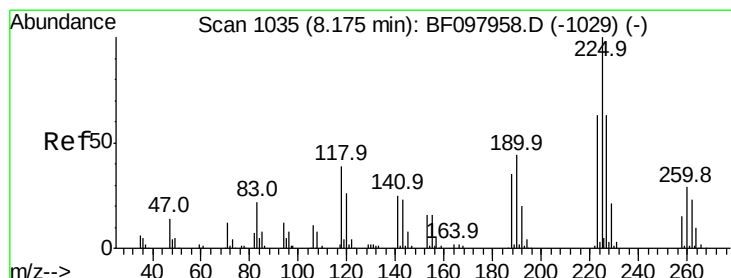
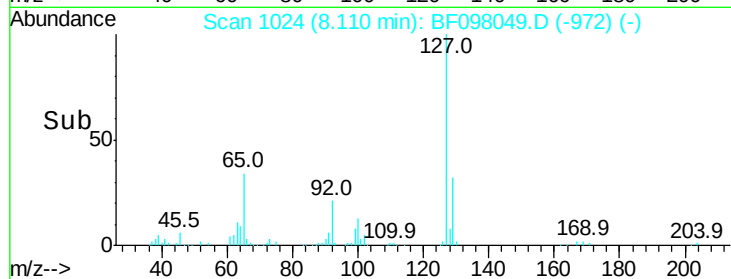
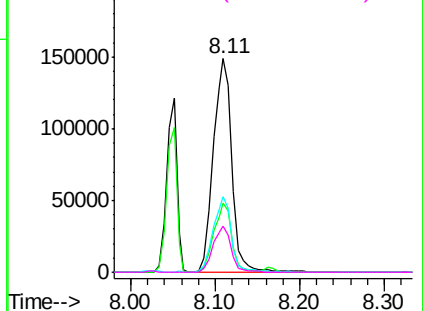
Tot Ion:	127	Resp:	230968
Ion Ratio	Lower	Upper	
127	100		
129	32.3	26.2	39.2
65	35.3	27.8	41.8
92	21.4	16.8	25.2

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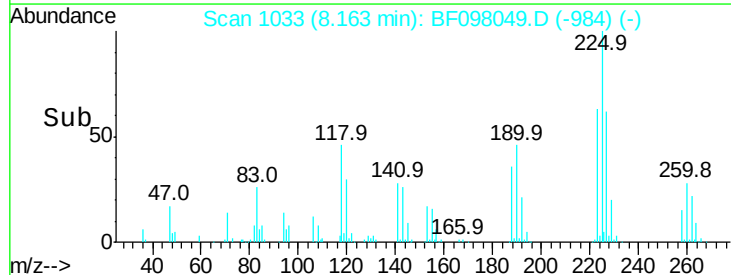
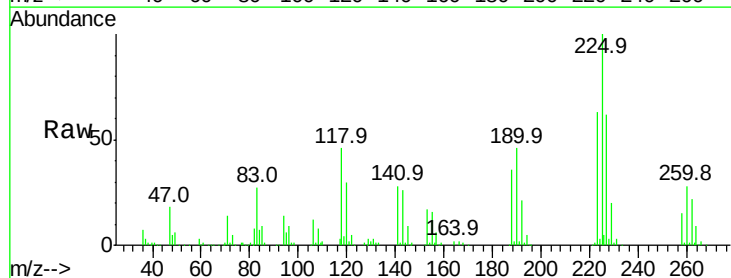
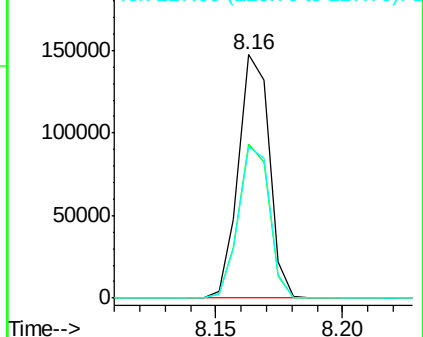
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

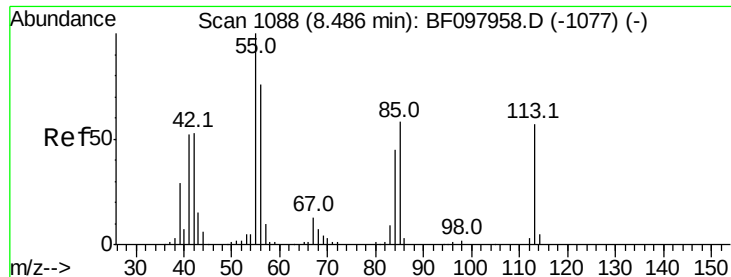


#34
Hexachlorobutadiene
Concen: 40.693 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion:	225	Resp:	125259
Ion Ratio	Lower	Upper	
225	100		
223	63.3	48.8	73.2
227	62.1	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: 42.365 ng

RT: 8.46 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion:113 Resp: 68494

Ion Ratio Lower Upper

113 100

55 172.6 150.2 190.2

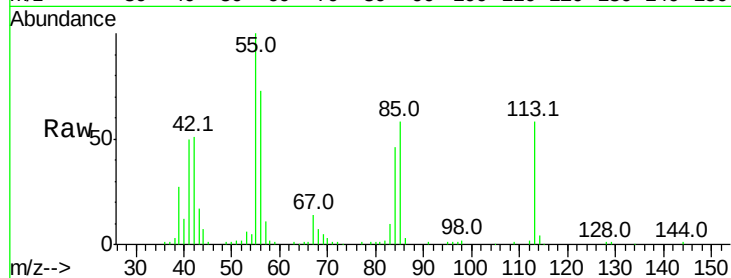
56 126.3 107.8 147.8

Manual Integrations

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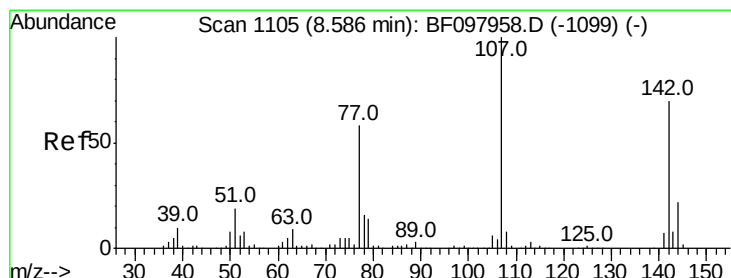
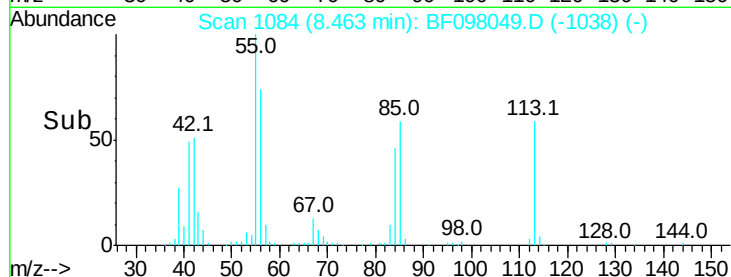
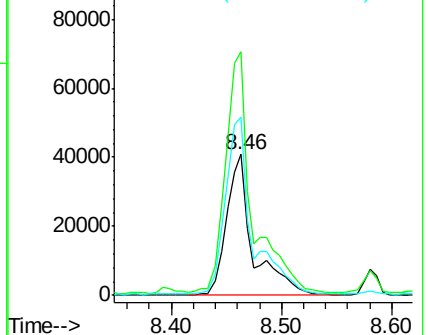
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 36.866 ng

RT: 8.58 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

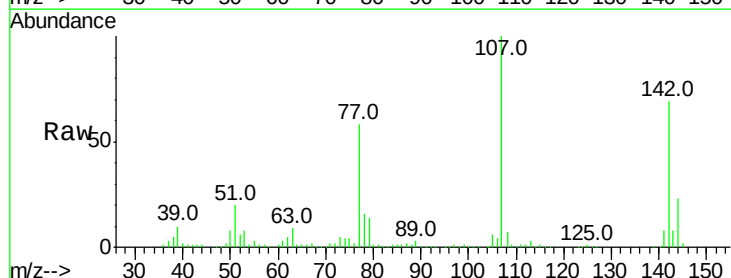
Tgt Ion:107 Resp: 225258

Ion Ratio Lower Upper

107 100

144 22.5 24.2 36.4#

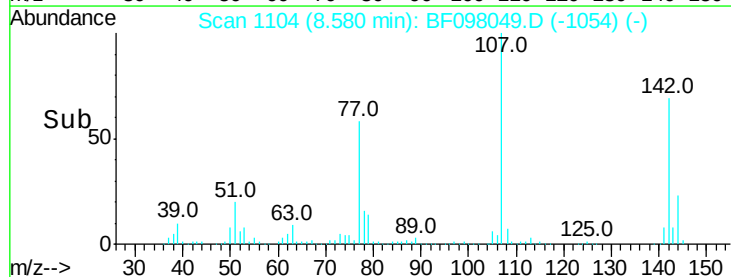
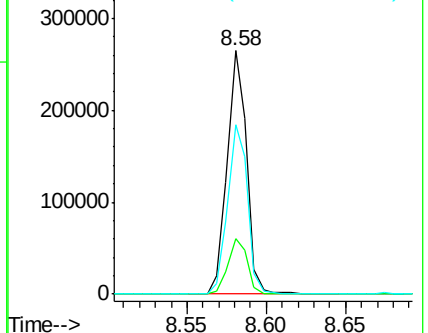
142 69.3 73.4 110.0#

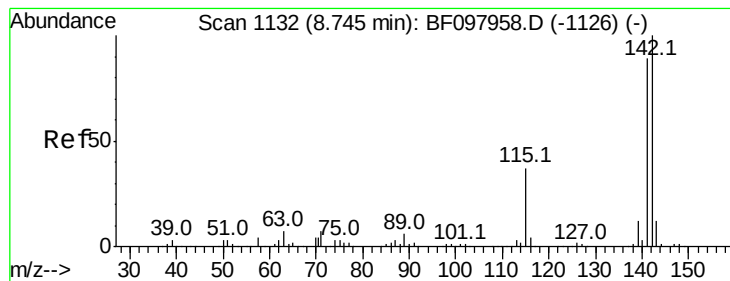


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





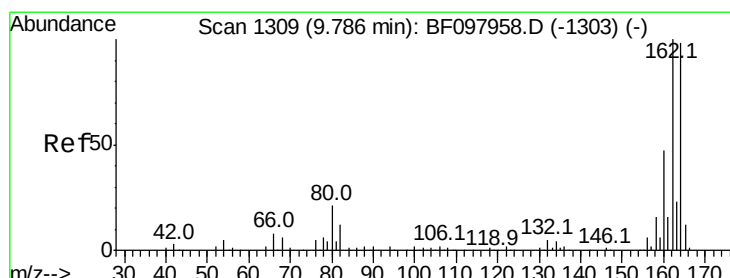
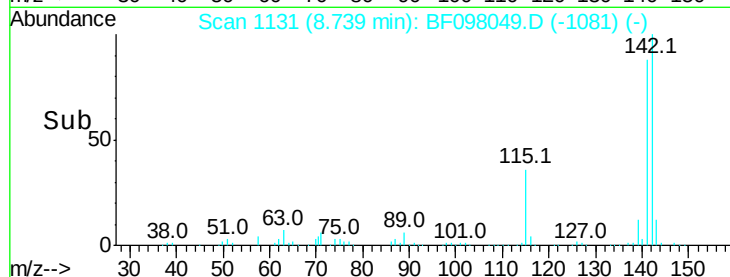
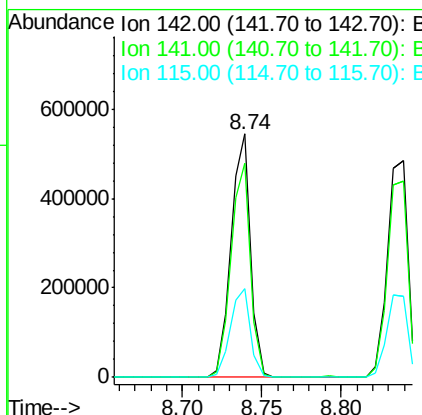
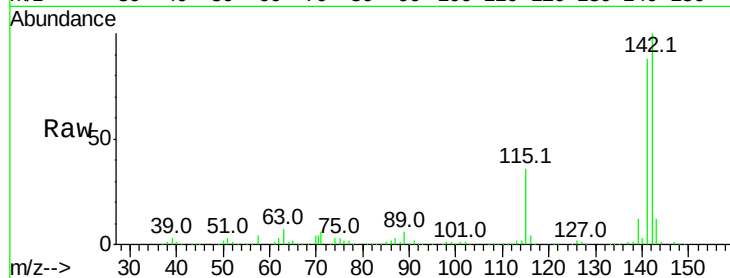
#37
2-Methylnaphthalene
Concen: 40.469 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9
115	36.3	27.1	40.7

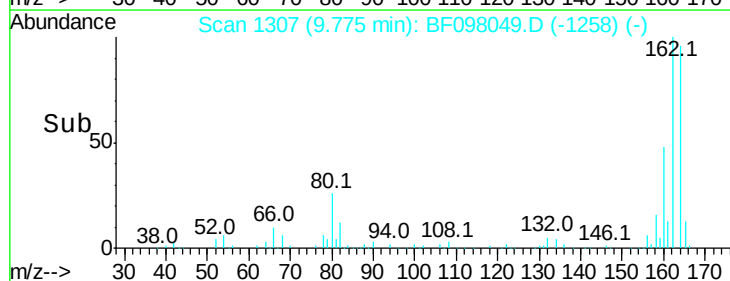
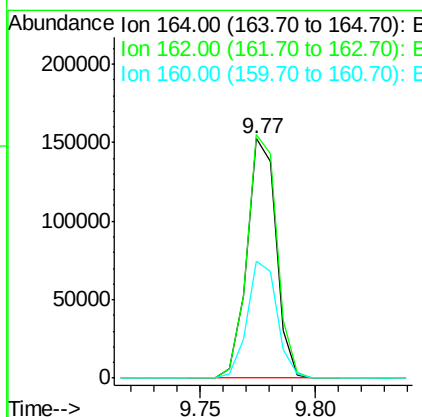
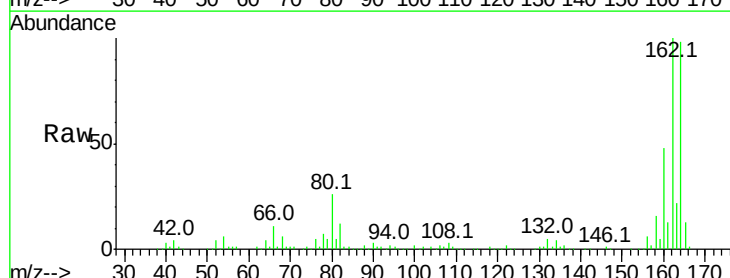
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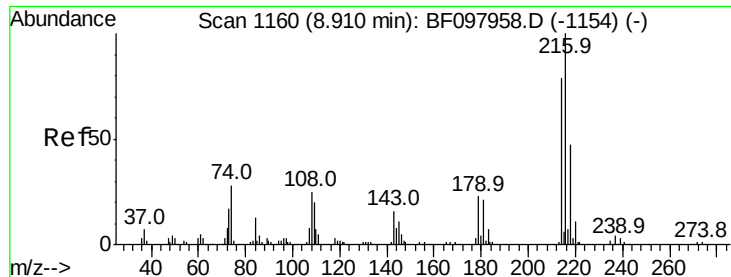
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	48.6	36.2	54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.107 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

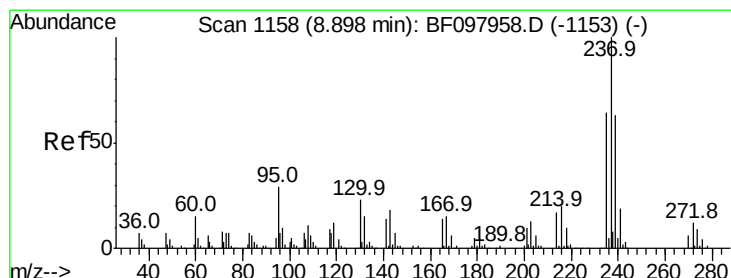
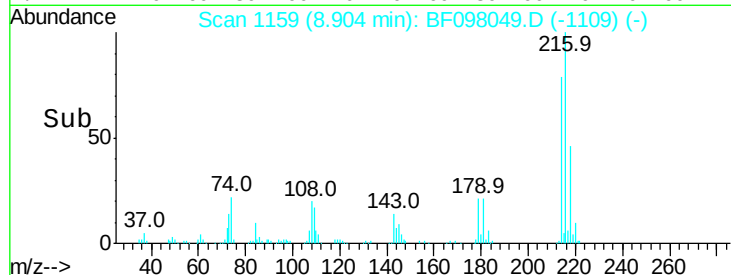
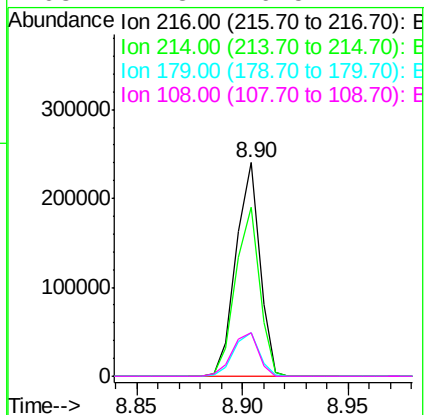
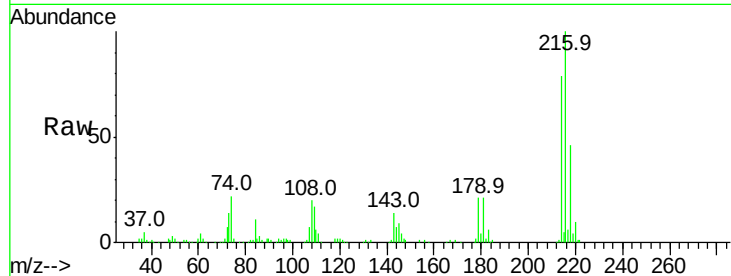
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	186777		
214	79.8	63.4	95.2	
179	21.9	17.9	26.9	
108	22.3	16.5	24.7	

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#40

Hexachlorocyclopentadiene

Concen: 7.887 ng

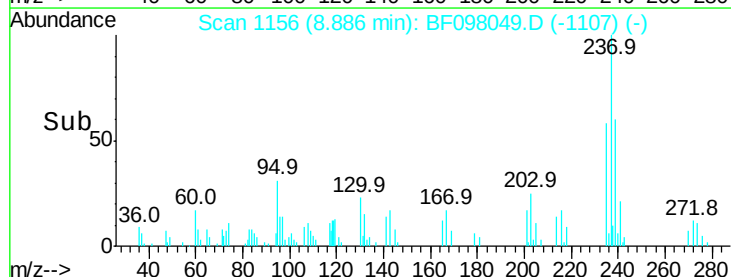
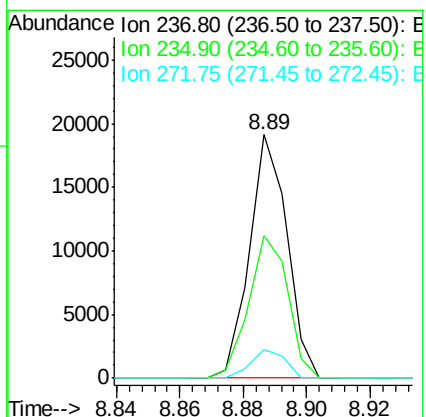
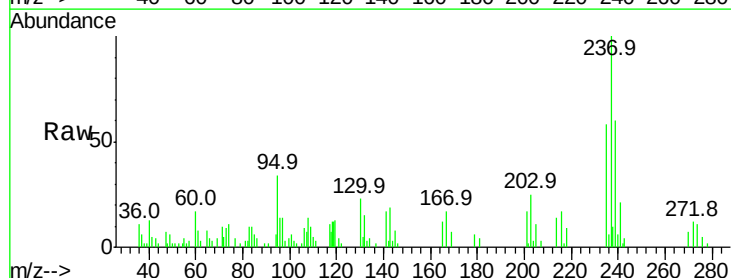
RT: 8.89 min Scan# 1156

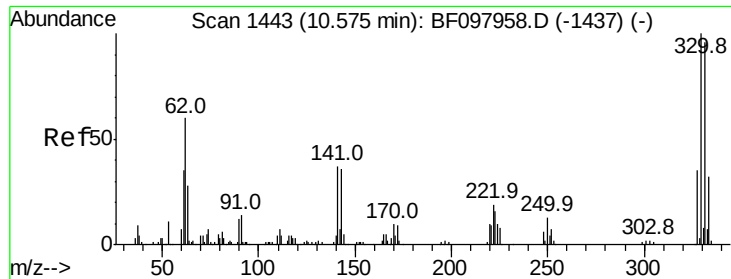
Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	15689		
235	58.3	42.6	82.6	
272	11.6	0.0	31.9	





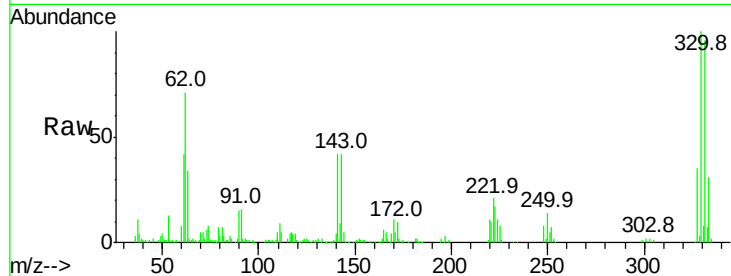
#41
 2,4,6-Tribromophenol
 Concen: 117.899 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	76.6	115.0	
141	41.0	31.4	47.2	

Manual Integrations
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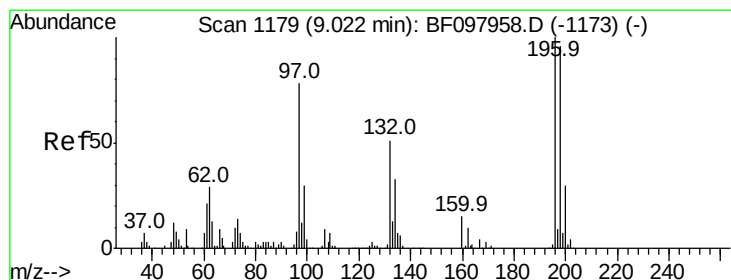
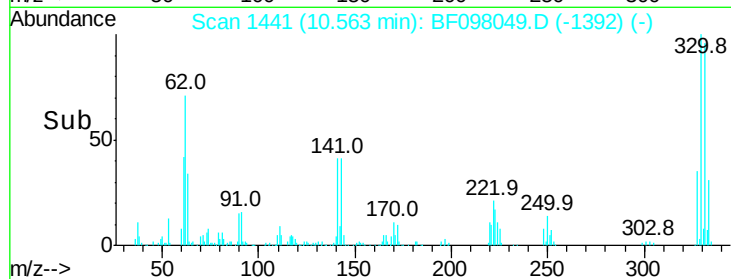
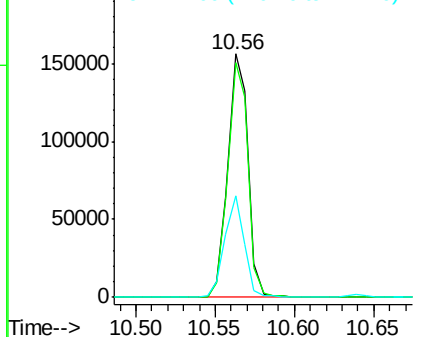


Abundance

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: 44.776 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

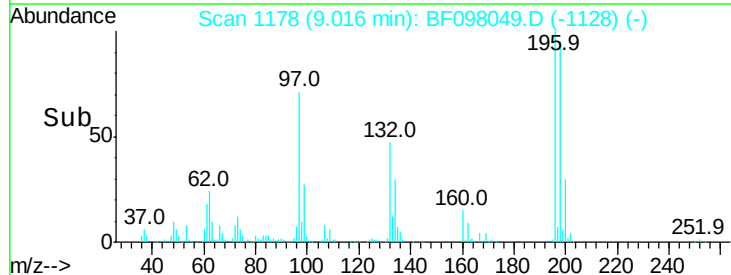
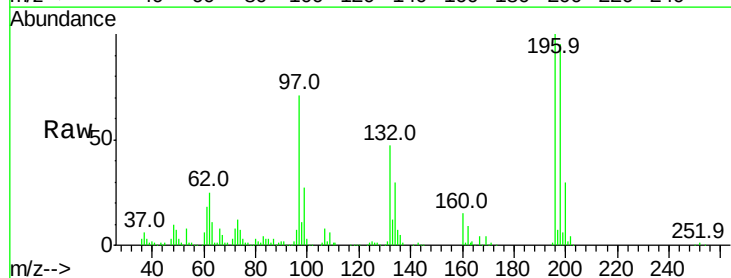
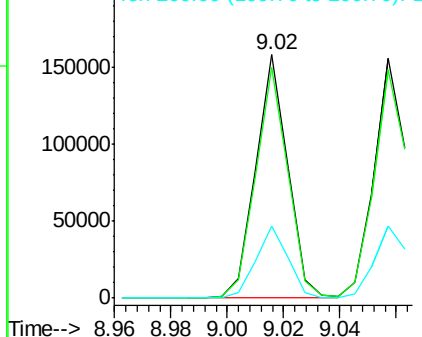
Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	94.9	74.2	111.4	
200	29.9	24.0	36.0	

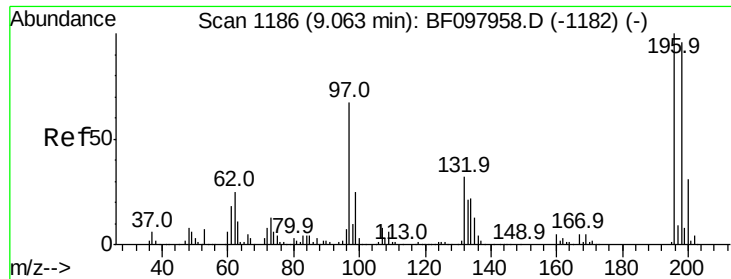
Abundance

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





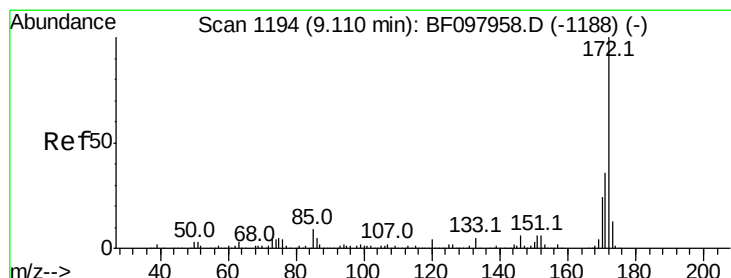
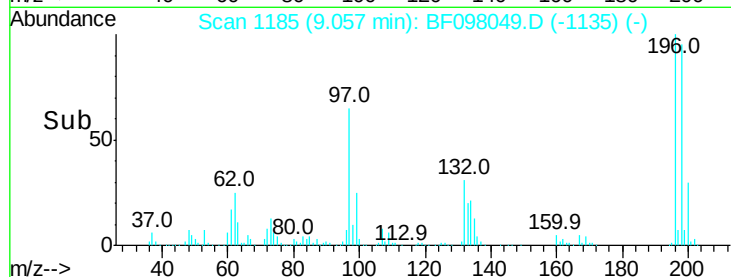
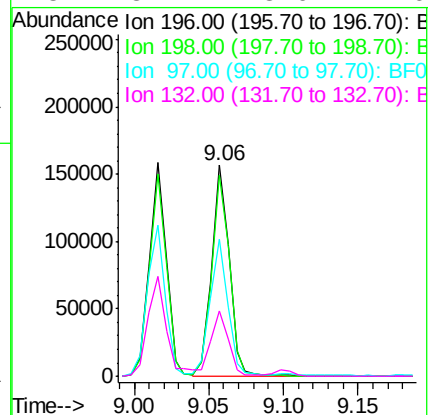
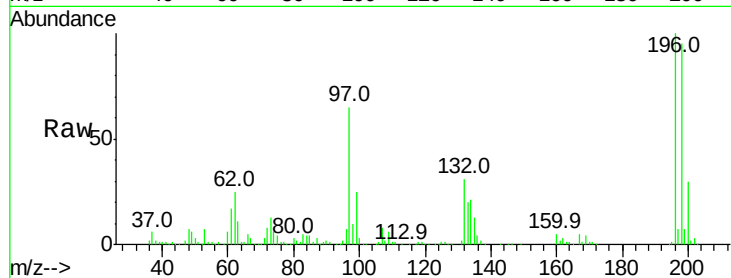
#43
 2,4,5-Trichlorophenol
 Concen: 46.035 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	126960		
198	95.2	75.7	113.5	
97	64.8	47.7	71.5	
132	31.1	28.0	42.0	

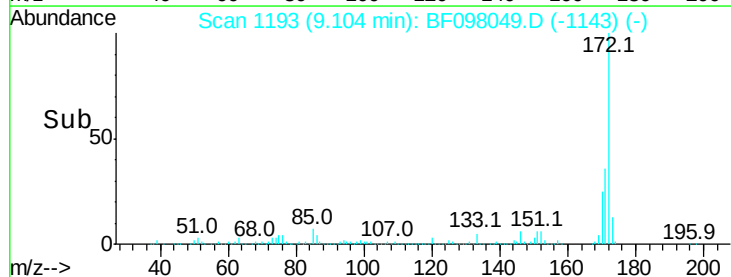
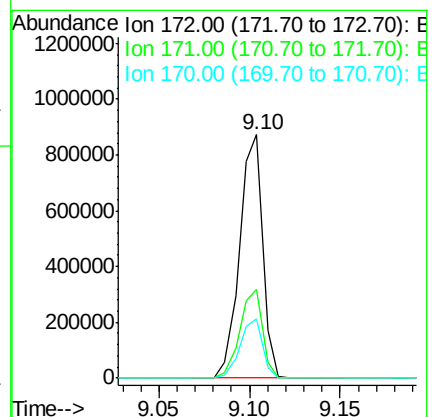
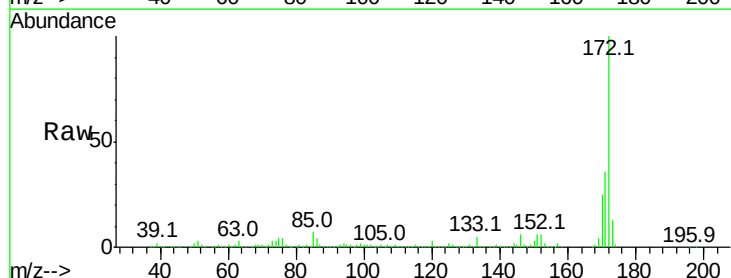
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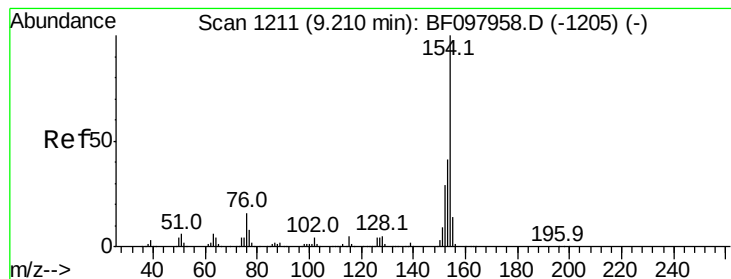
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 83.718 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	768809		
171	36.4	29.6	44.4	
170	24.6	19.8	29.8	





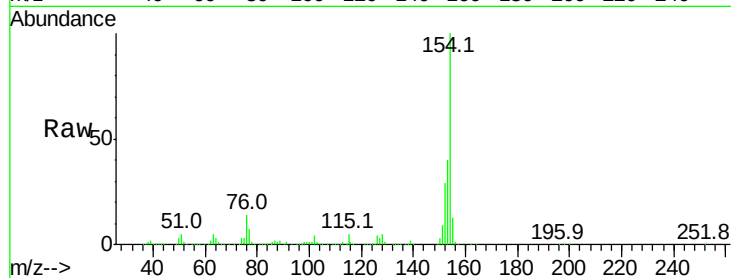
#45
 1,1'-Biphenyl
 Concen: 42.743 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

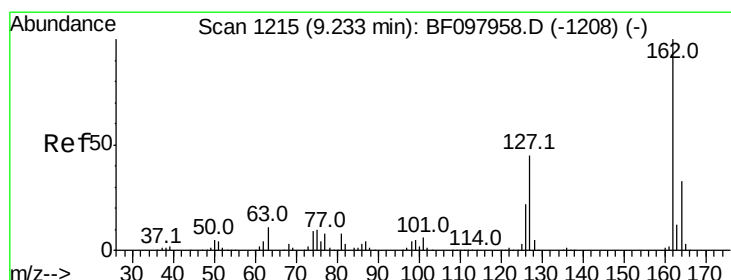
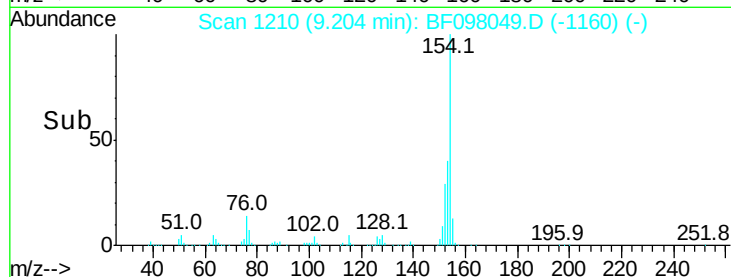
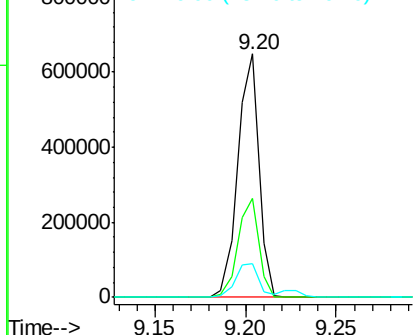
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.2	61.2
76	14.0	0.0	29.9

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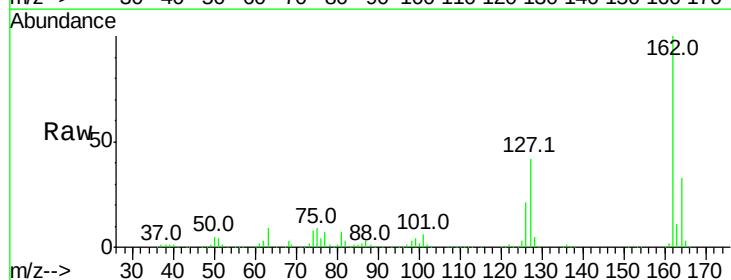


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

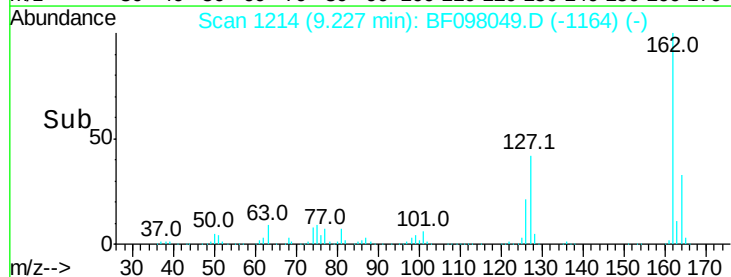
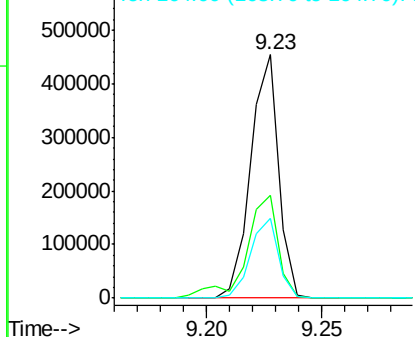


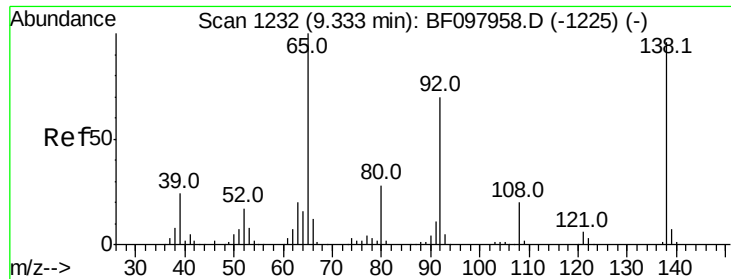
#46
 2-Chloronaphthalene
 Concen: 42.198 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.1	28.3	42.5
164	32.5	27.0	40.4



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





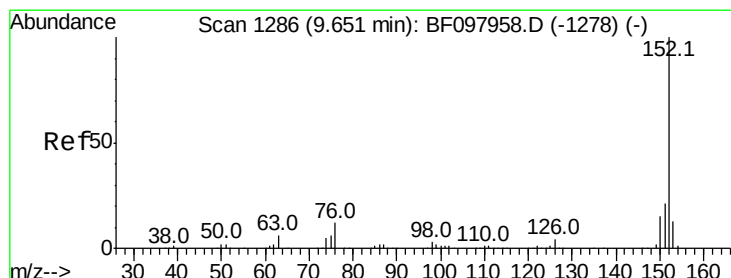
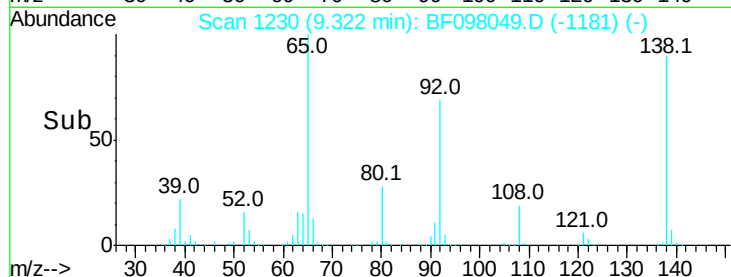
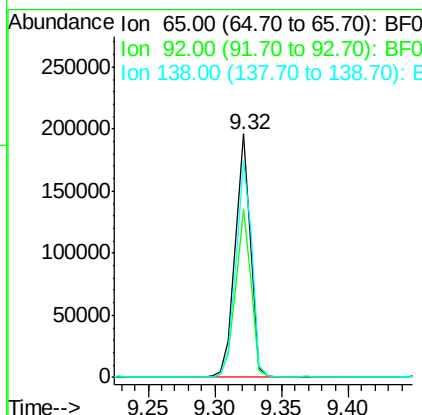
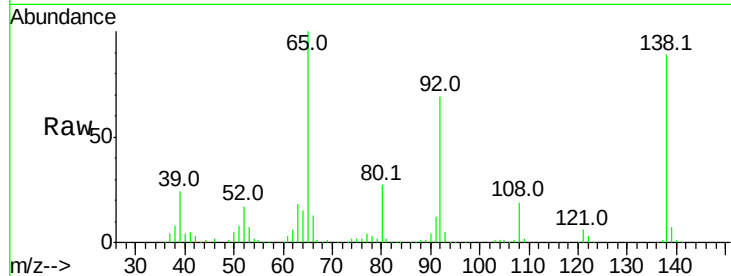
#47
2-Nitroaniline
Concen: 53.229 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
65	100		
92	69.0	53.9	80.9
138	89.0	78.8	118.2

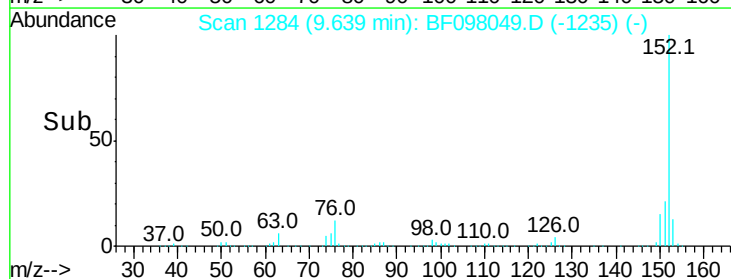
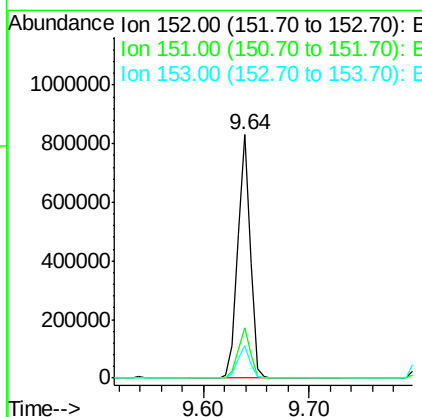
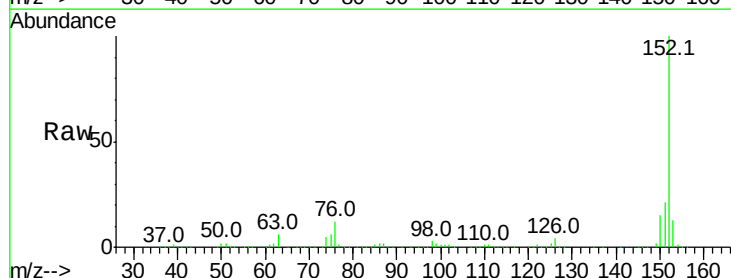
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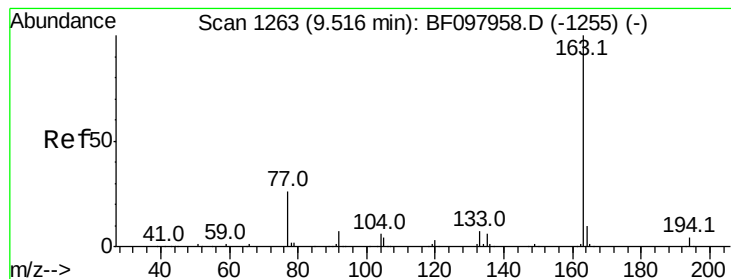
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#48
Acenaphthylene
Concen: 46.456 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	13.1	10.8	16.2





#49

Dimethylphthalate

Concen: 53.496 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

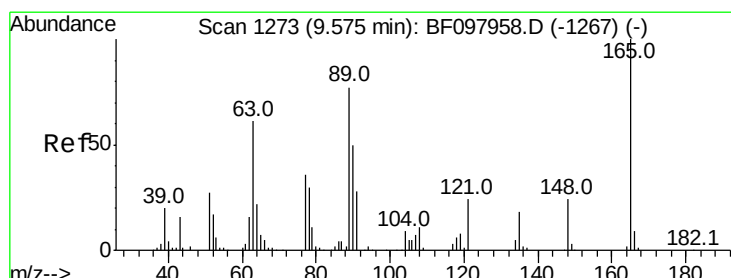
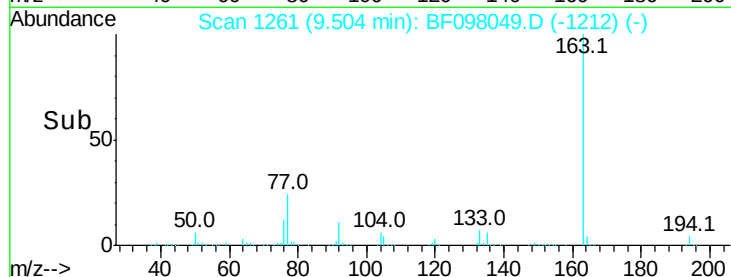
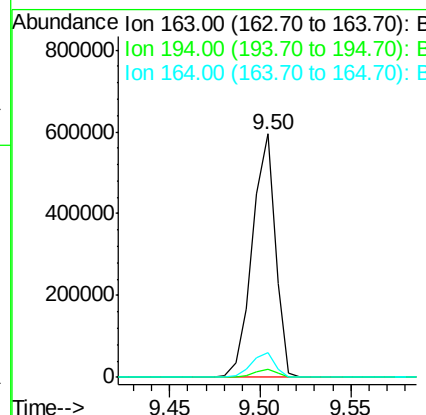
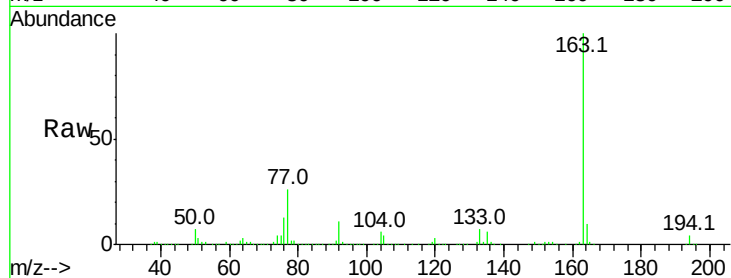
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	9.9	8.4	12.6	

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#50

2,6-Dinitrotoluene

Concen: 42.377 ng

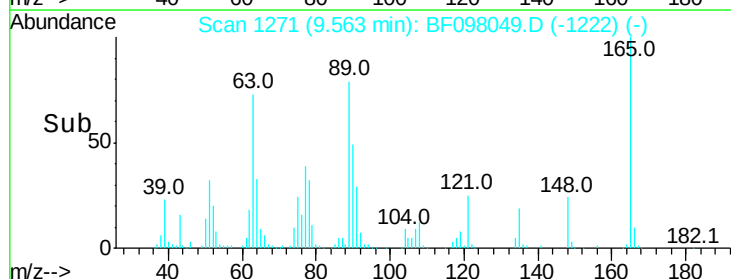
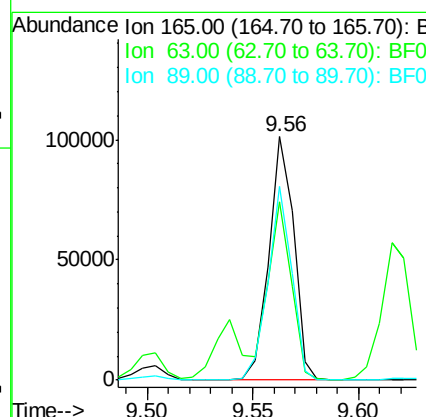
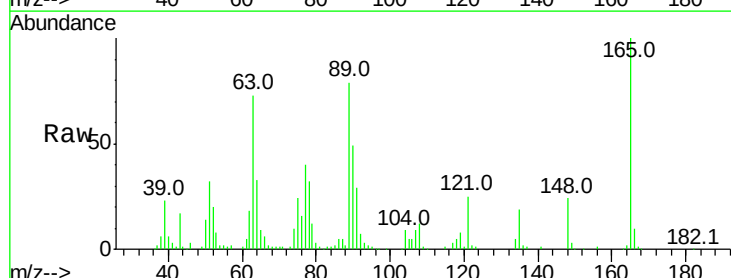
RT: 9.56 min Scan# 1271

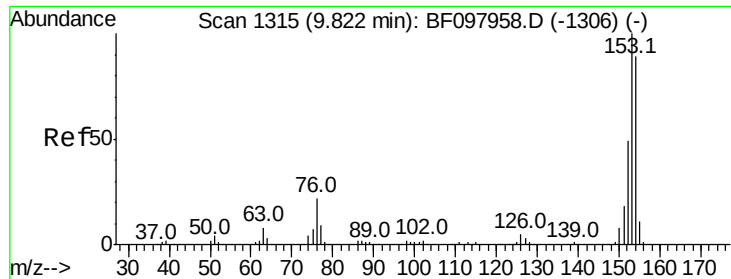
Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	73.3	34.3	51.5#	
89	79.3	37.1	55.7#	





#51

Acenaphthene

Concen: 40.160 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

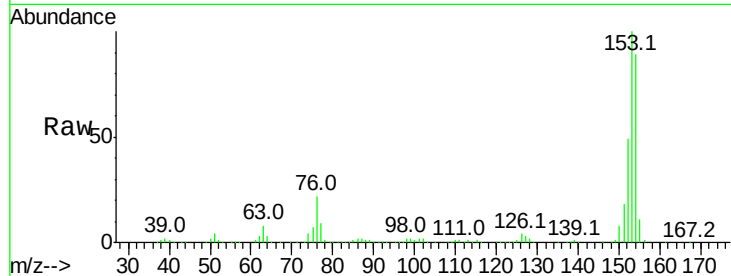
ClientSampleId :

IRON-LEAF-TOPSOILMS

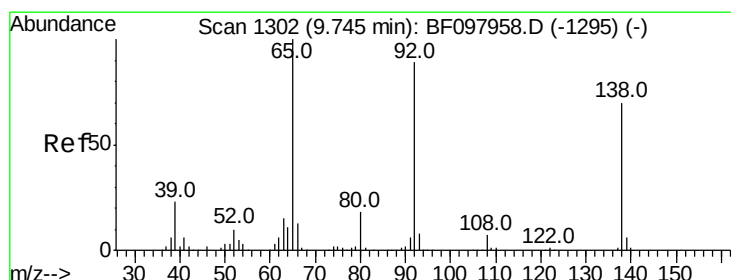
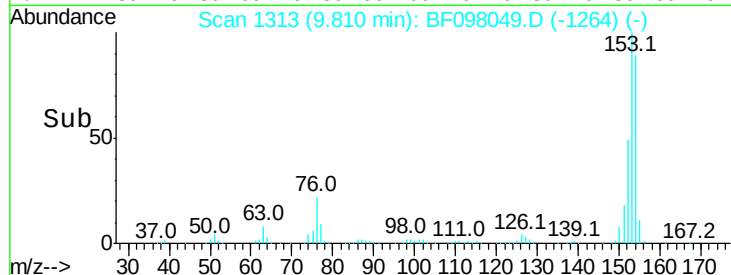
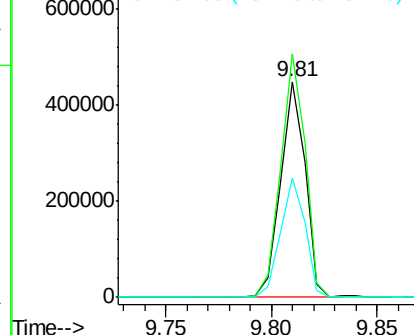
Tot Ion:	154	Resp:	361587
Ion Ratio	Lower	Upper	
154	100		
153	112.8	90.5	135.7
152	55.5	43.6	65.4

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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: 42.656 ng

RT: 9.73 min Scan# 1300

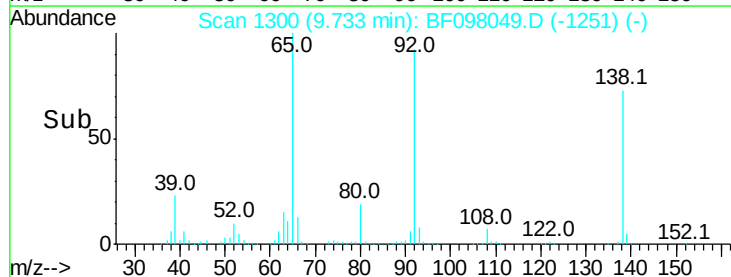
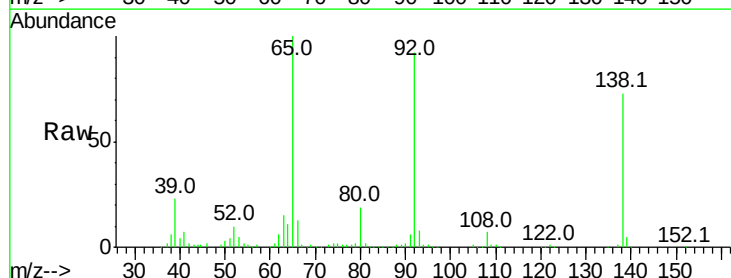
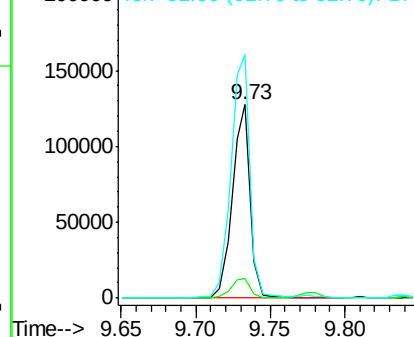
Delta R.T. -0.01 min

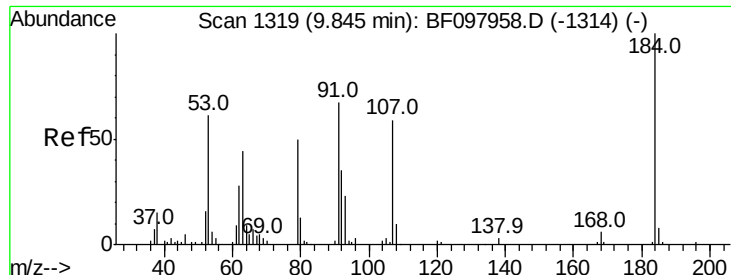
Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion:	138	Resp:	108343
Ion Ratio	Lower	Upper	
138	100		
108	10.2	9.1	13.7
92	126.1	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





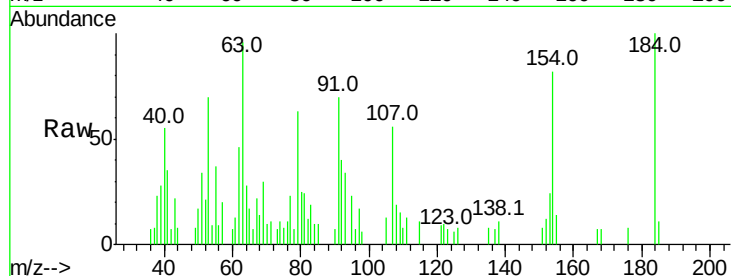
#53
2,4-Dinitrophenol
Concen: 14.563 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

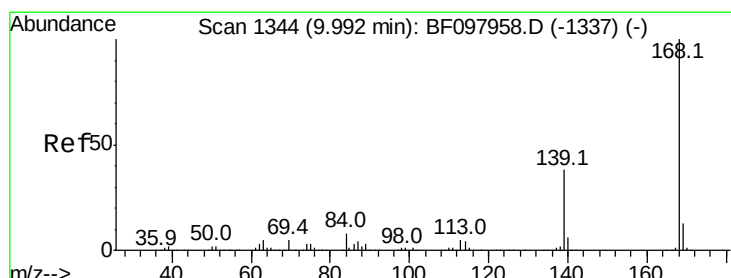
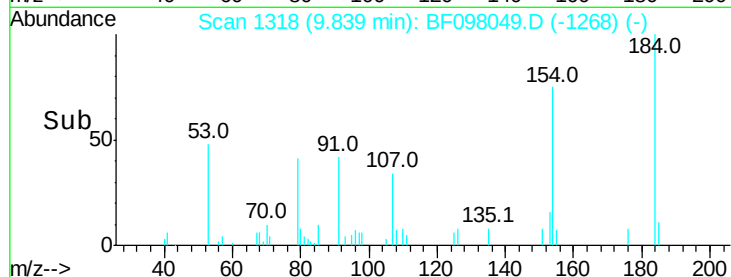
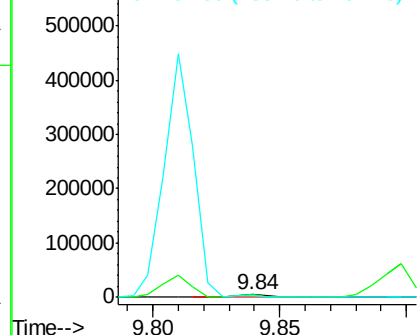
Tot Ion	Ratio	Resp	Lower	Upper
184	100	4741		
63	96.4	62.7	94.1	#
154	82.1	81.1	121.7	

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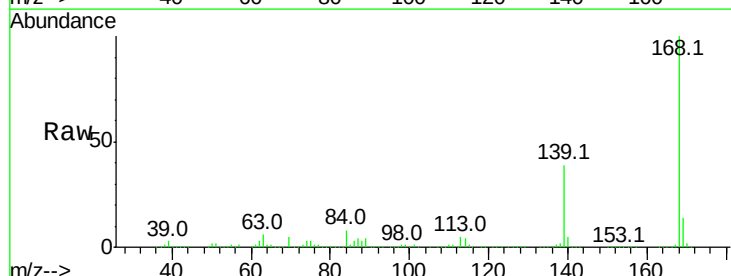


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

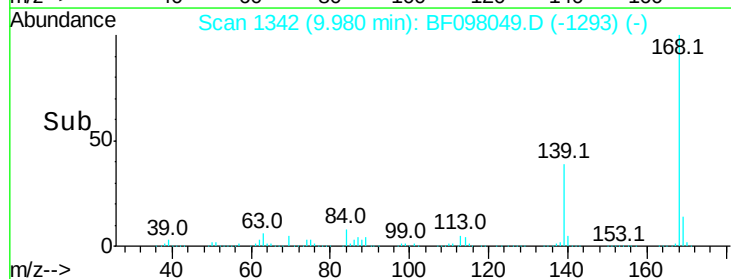
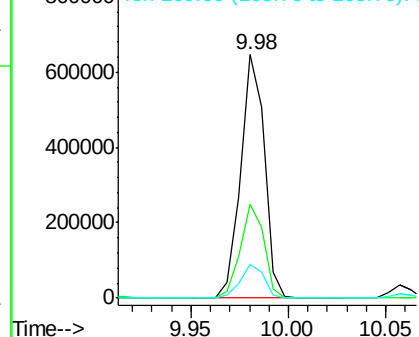


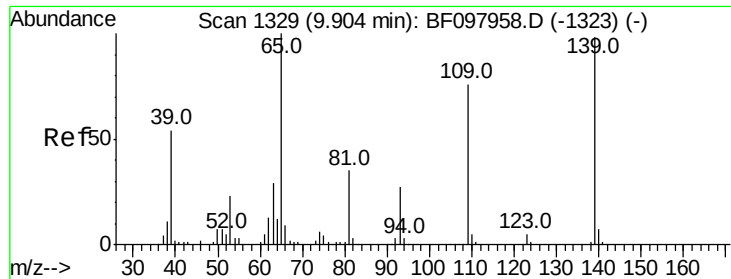
#54
Dibenzofuran
Concen: 44.965 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	542589		
139	38.8	30.6	45.8	
169	13.9	10.8	16.2	



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 80.153 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

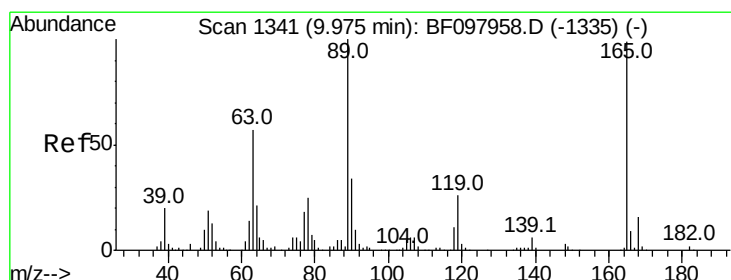
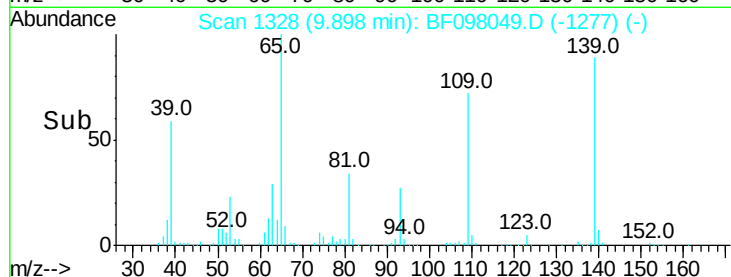
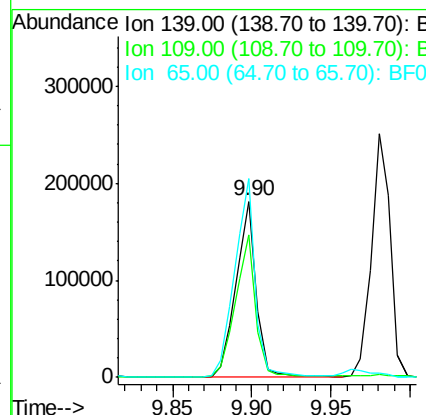
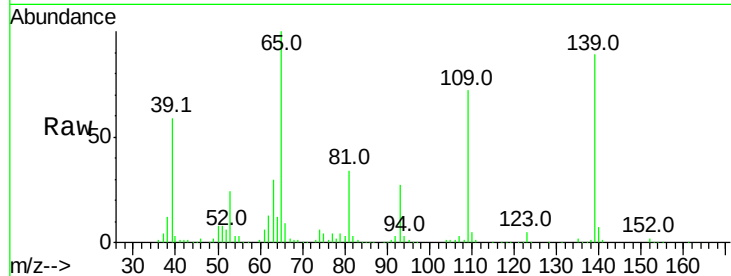
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion:139	Resp:	162399
Ion Ratio	Lower	Upper
139 100		
109 81.0	34.1	74.1#
65 112.6	31.4	71.4#

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#56

2,4-Dinitrotoluene

Concen: 41.463 ng

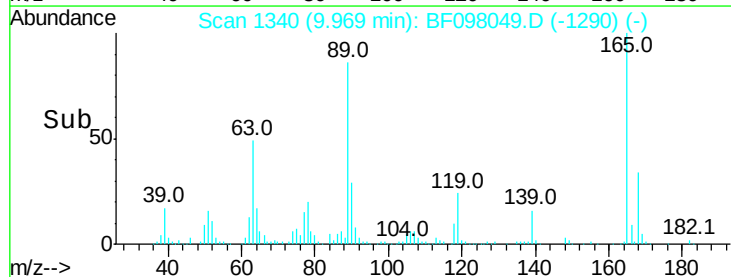
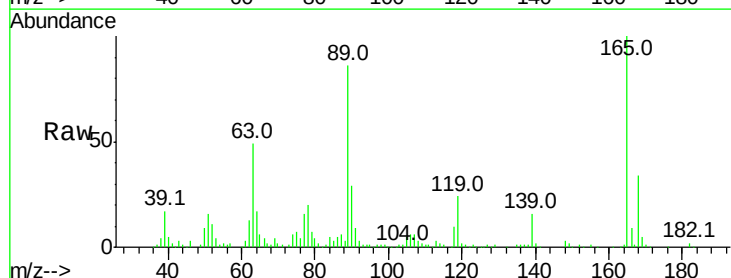
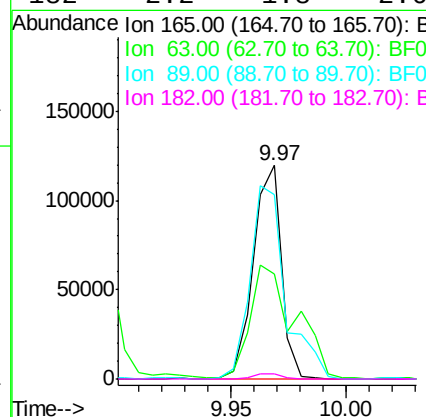
RT: 9.97 min Scan# 1340

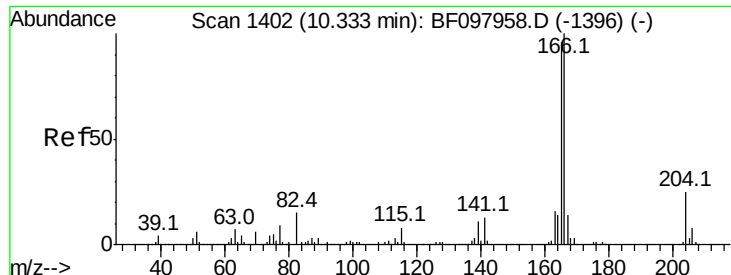
Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion:165	Resp:	102438
Ion Ratio	Lower	Upper
165 100		
63 49.2	25.4	38.0#
89 86.1	46.4	69.6#
182 2.2	1.8	2.6





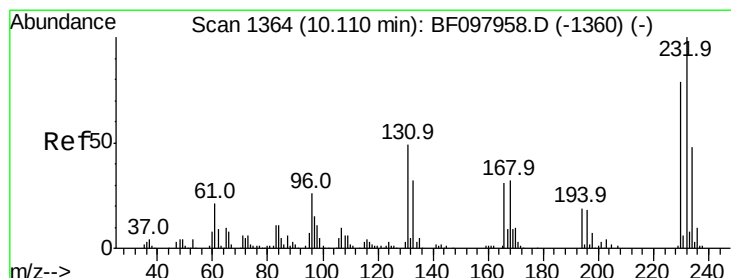
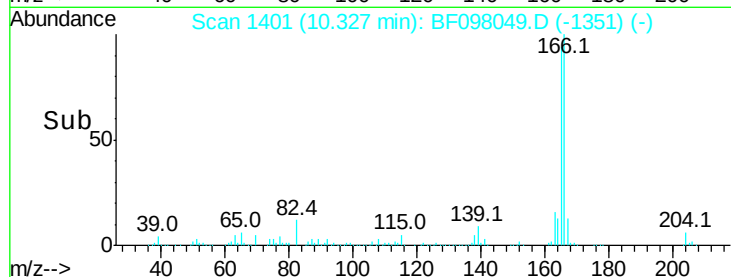
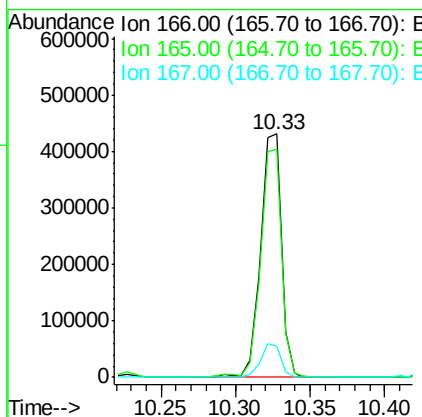
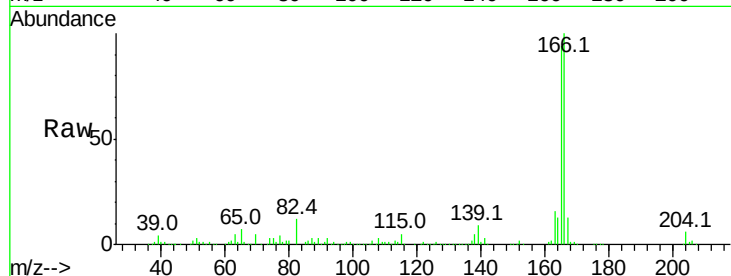
#57
Fluorene
 Concen: 44.117 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	93.6	78.8	118.2	
167	13.0	10.6	16.0	

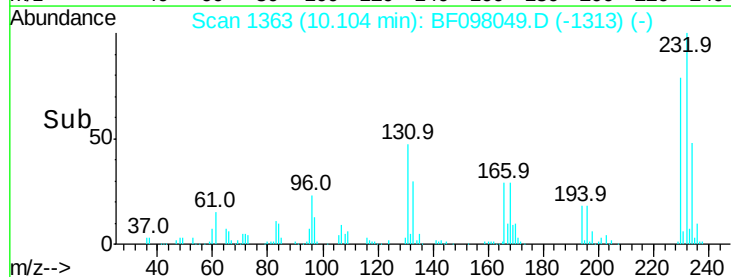
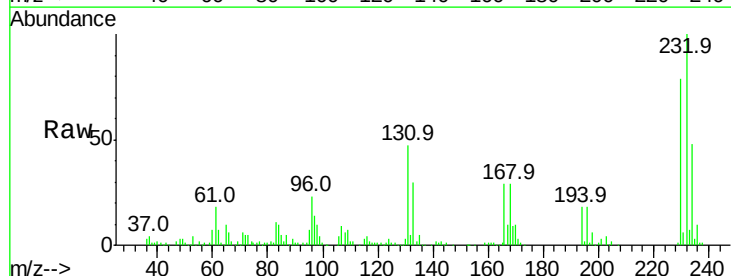
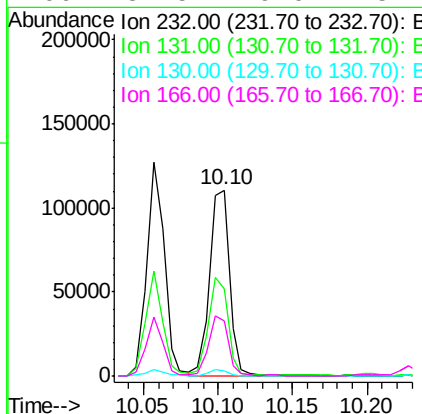
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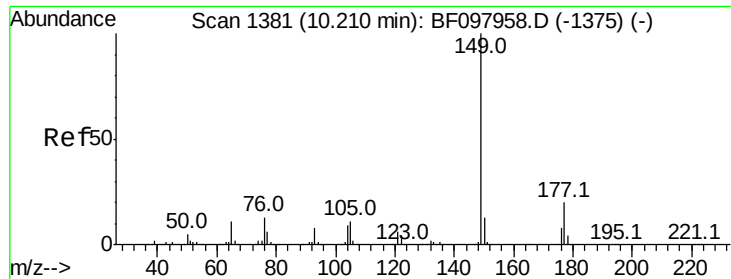
Sohil
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 48.771 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	52.9	44.8	67.2	
130	2.9	2.3	3.5	
166	31.5	29.0	43.4	





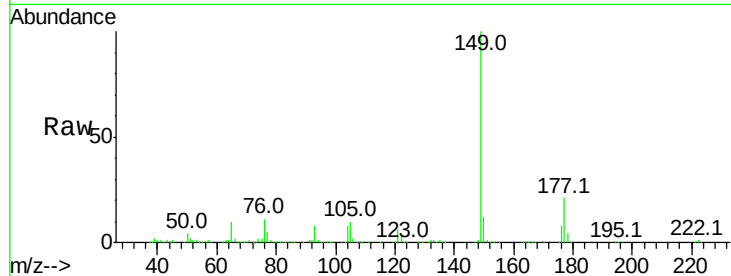
#59
Diethylphthalate
Concen: 43.632 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

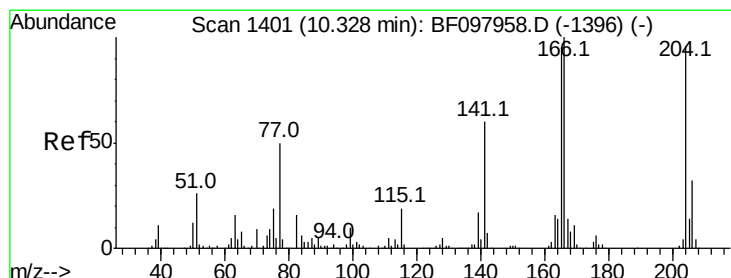
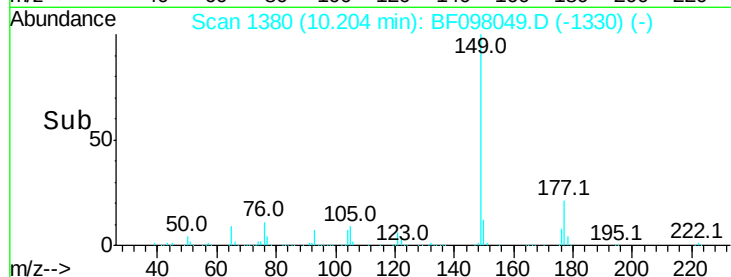
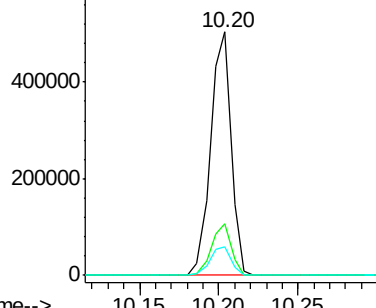
Tot Ion	Ratio	Resp	Lower	Upper
149	100	450004		
177	21.4		16.7	25.1
150	11.8		10.2	15.2

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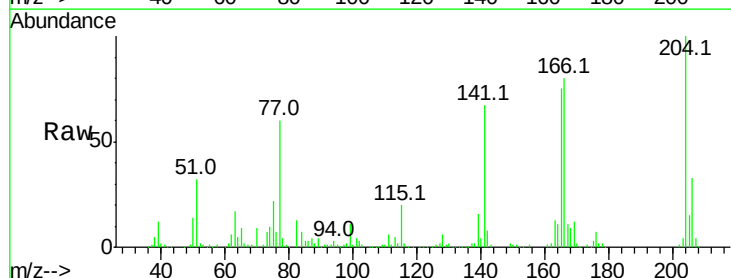


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

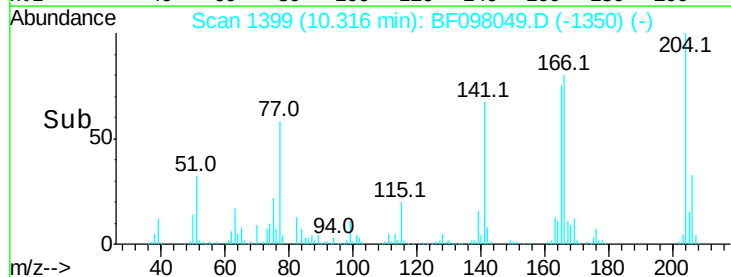
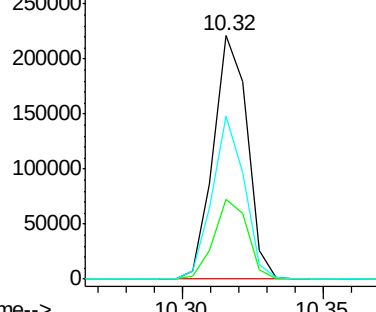


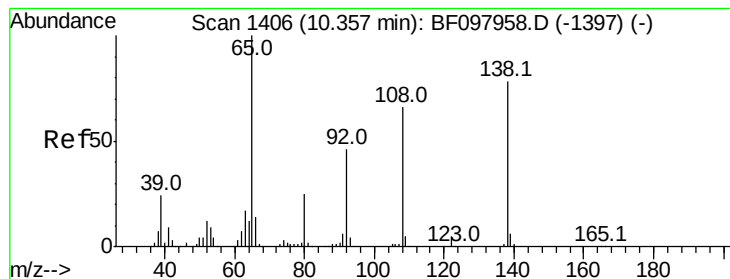
#60
4-Chlorophenyl-phenylether
Concen: 42.534 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	184351		
206	32.6		26.2	39.2
141	66.7		60.8	91.2



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 48.122 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

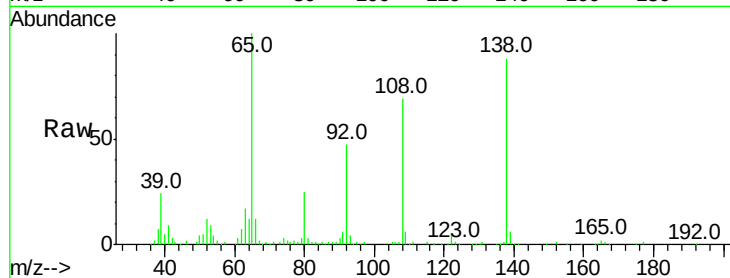
ClientSampleId :

IRON-LEAF-TOPSOILMS

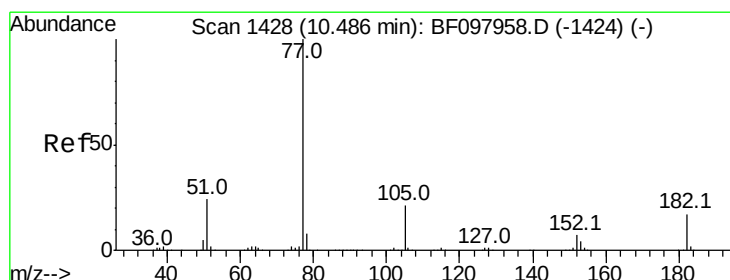
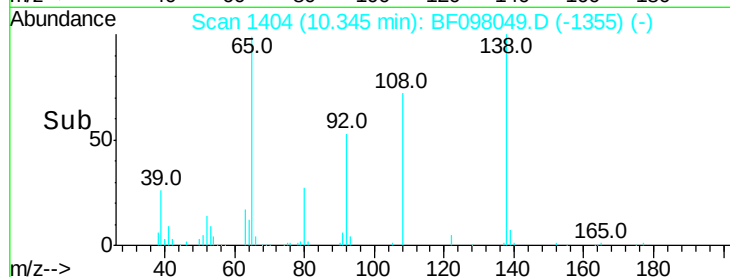
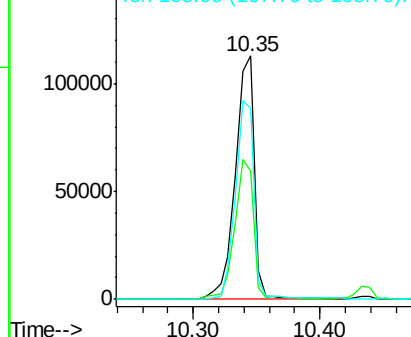
Tot Ion:	138	Resp:	116166
Ion Ratio	Lower	Upper	
138	100		
92	52.8	21.8	61.8
108	78.5	42.3	82.3

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



#62

Azobenzene

Concen: 42.851 ng

RT: 10.47 min Scan# 1426

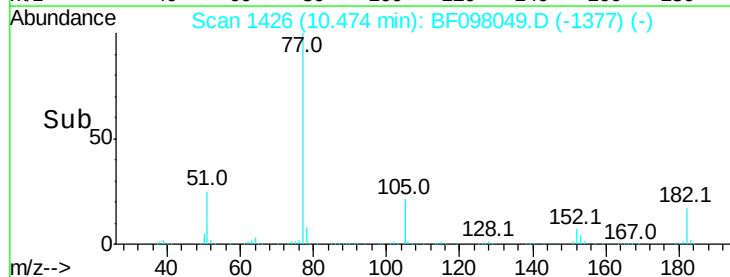
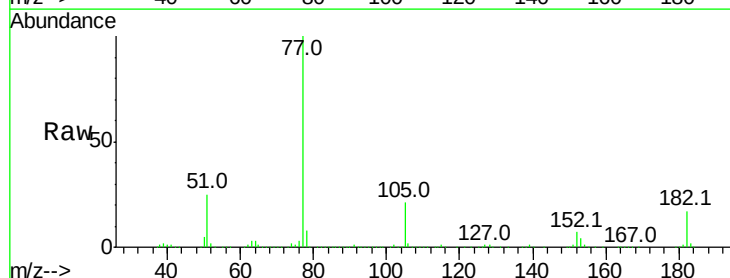
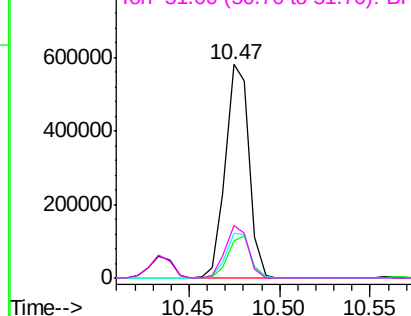
Delta R.T. -0.01 min

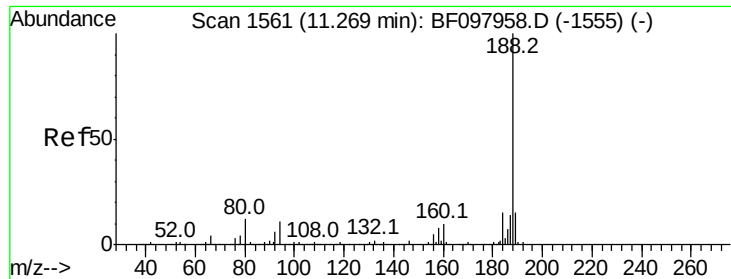
Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion:	77	Resp:	524961
Ion Ratio	Lower	Upper	
77	100		
182	17.2	0.1	40.1
105	21.1	3.6	43.6
51	24.7	9.4	49.4

Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





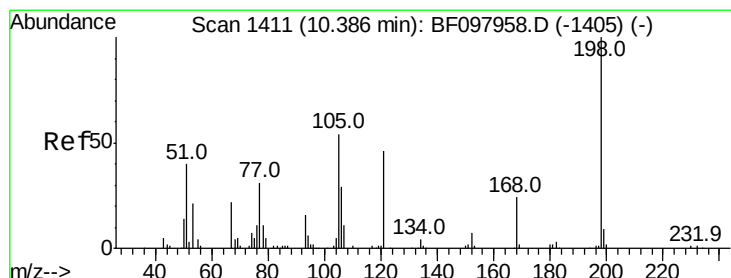
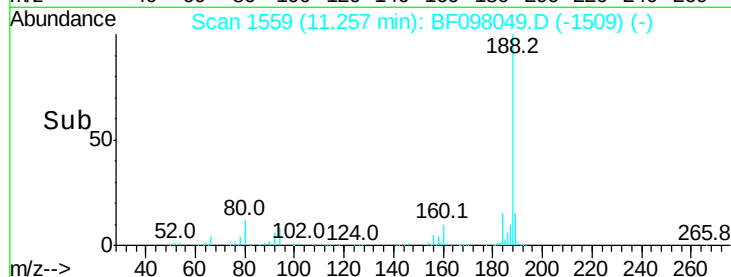
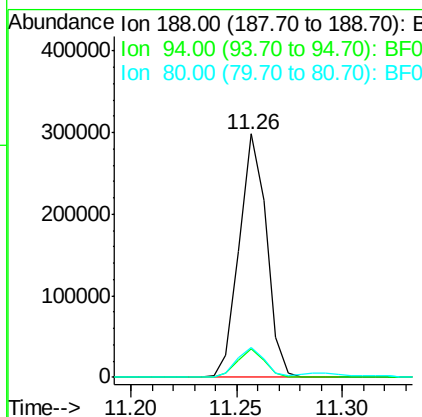
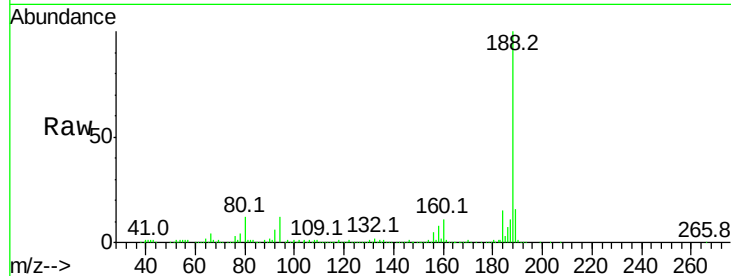
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion:188	Resp:	266110
Ion Ratio	Lower	Upper
188 100		
94 12.0	9.4	14.2
80 12.4	10.2	15.2

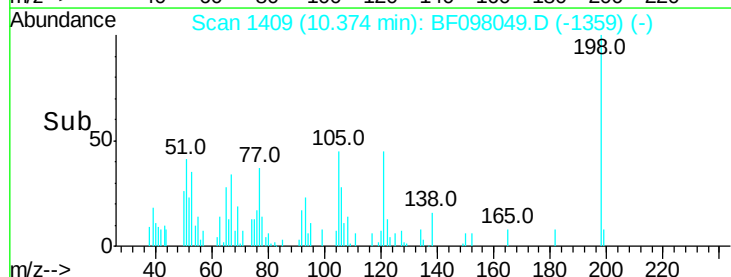
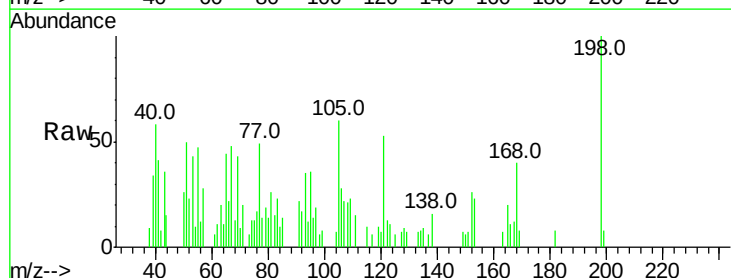
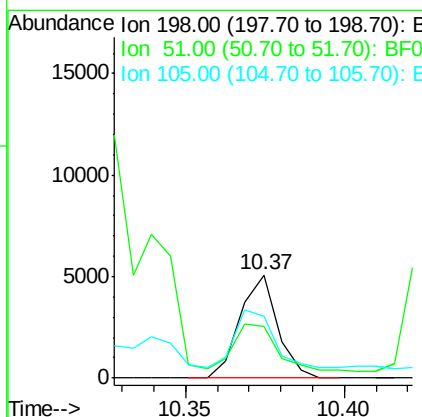
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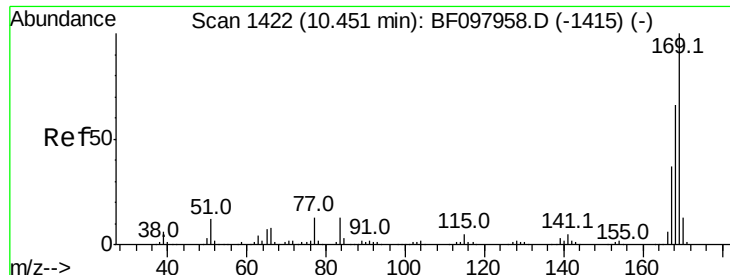
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#64
4,6-Dinitro-2-methylphenol
Concen: 11.087 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion:198	Resp:	4196
Ion Ratio	Lower	Upper
198 100		
51 50.1	53.2	93.2#
105 60.1	45.8	85.8





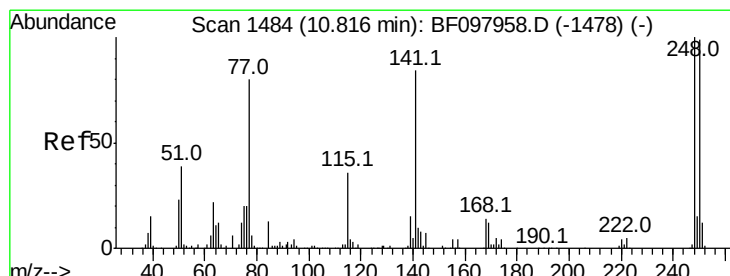
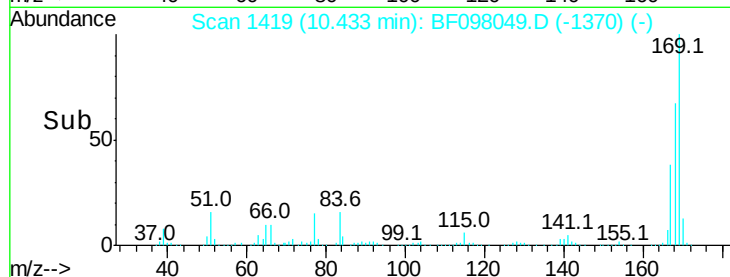
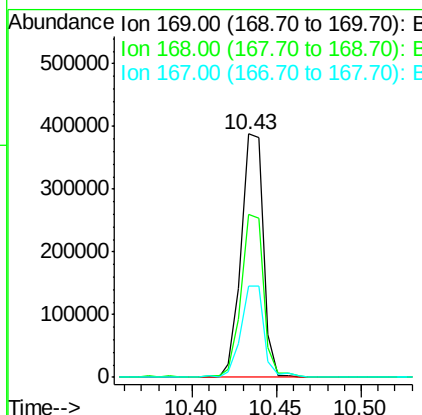
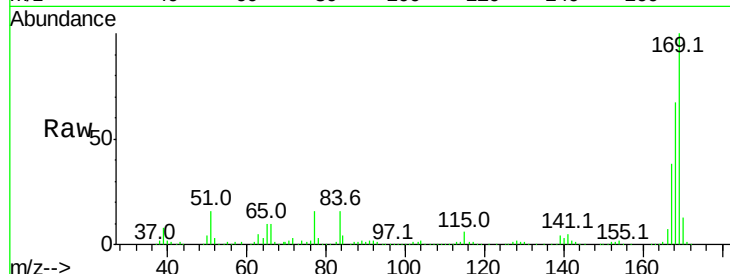
#65
 n-Nitrosodiphenylamine
 Concen: 39.455 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	37.7	29.5	44.3

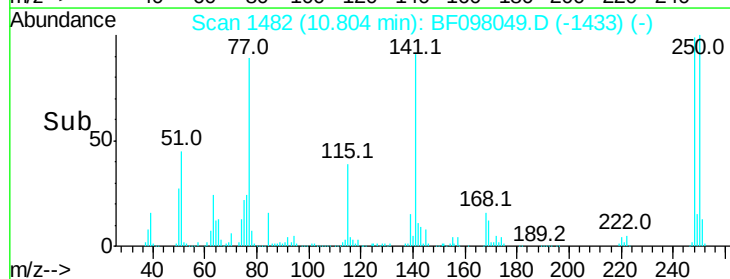
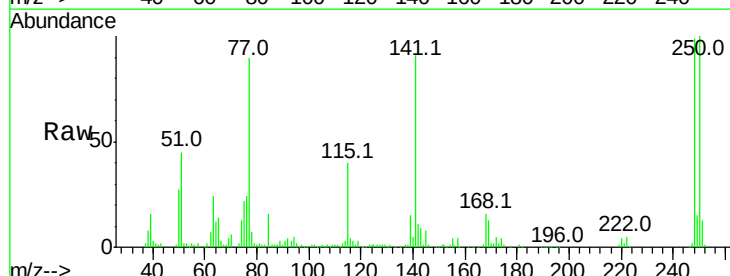
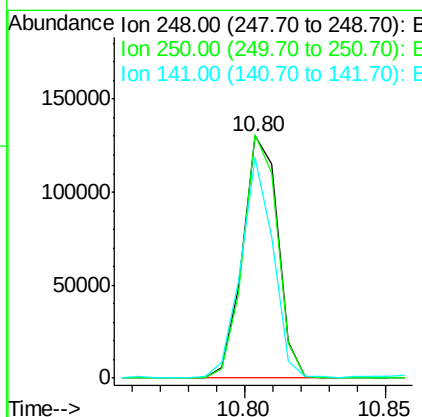
Manual Integrations
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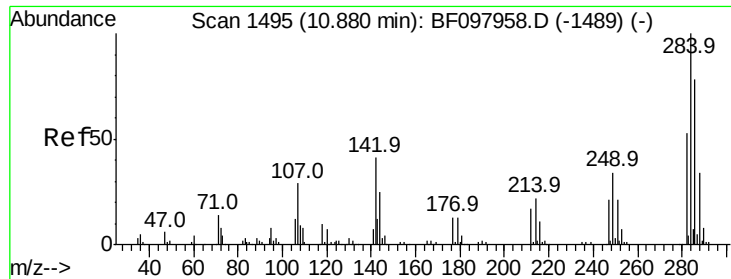
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#66
 4-Bromophenyl-phenylether
 Concen: 40.779 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.6	76.8	115.2
141	91.1	68.6	103.0





#67

Hexachlorobenzene

Concen: 39.265 ng

RT: 10.87 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

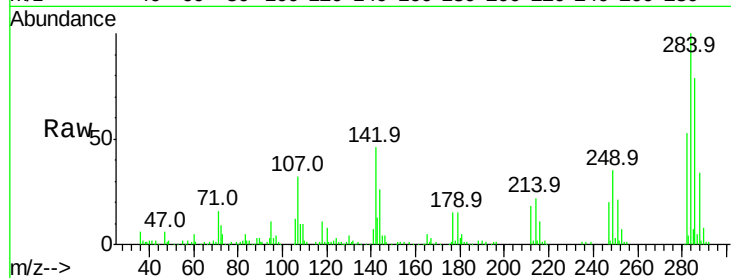
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	45.5	22.8	34.2	#
249	34.5	24.0	36.0	

Manual Integrations
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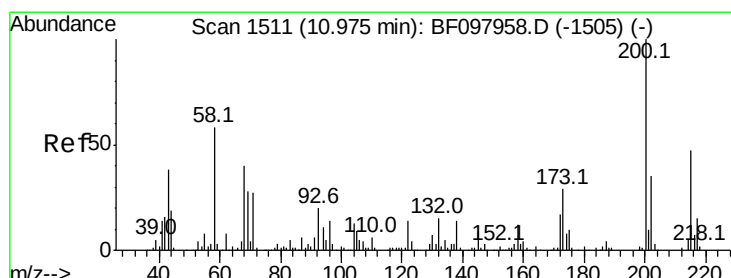
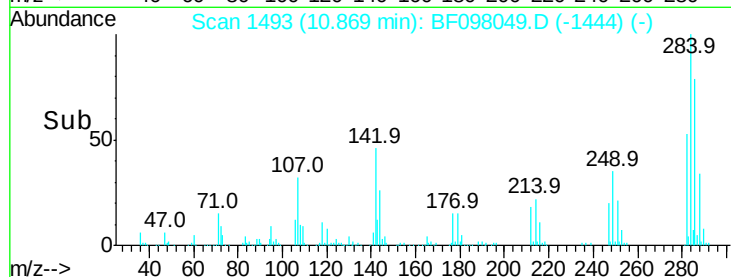
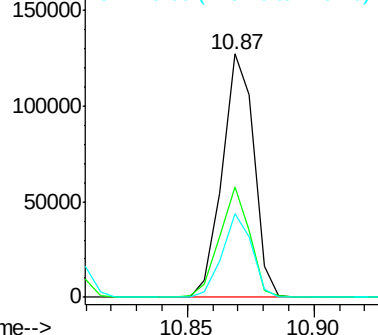
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 40.821 ng

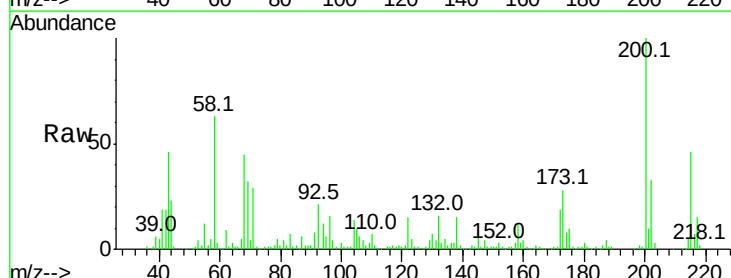
RT: 10.96 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

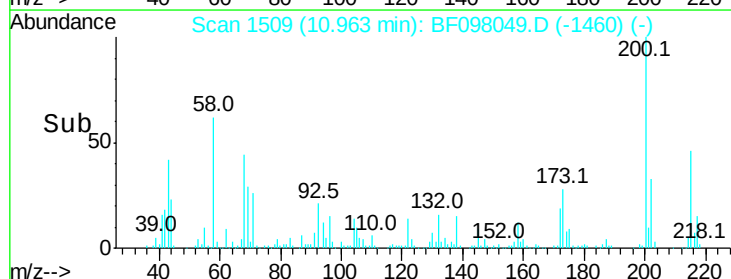
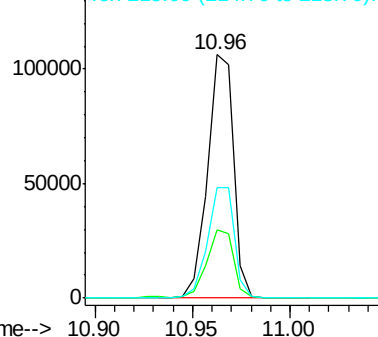
Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.0	6.3	46.3	
215	45.5	27.2	67.2	

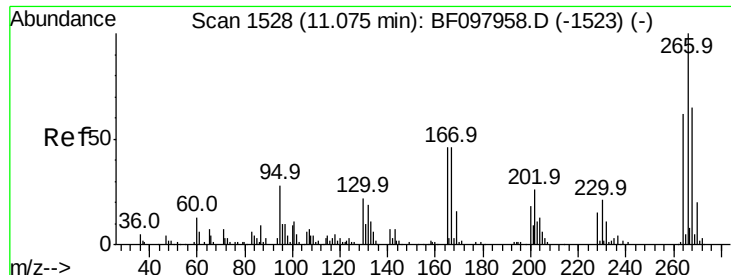


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





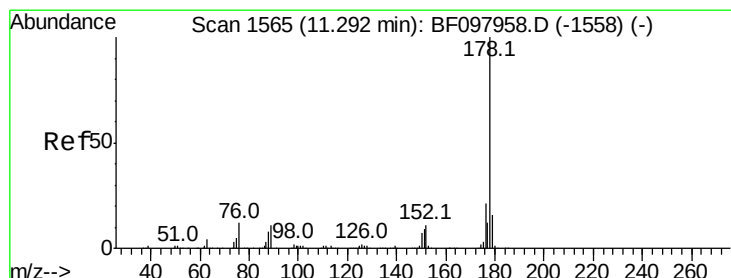
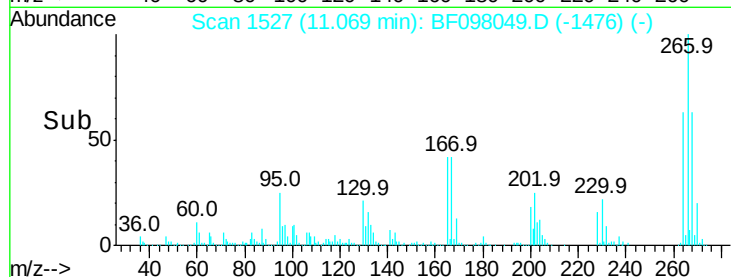
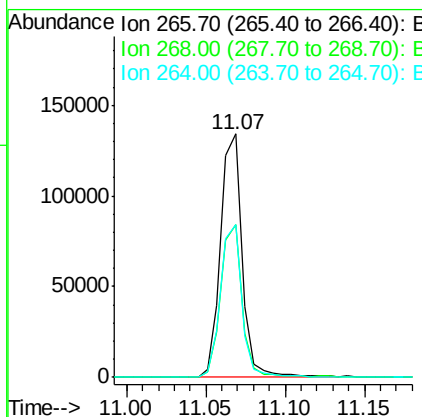
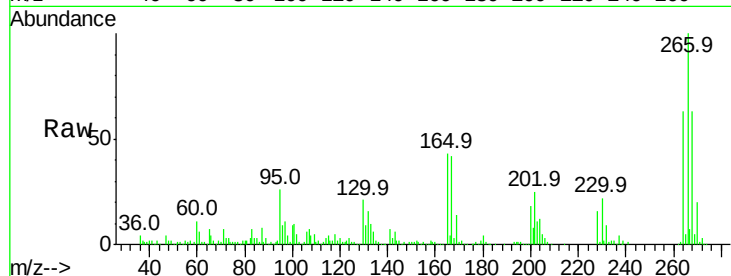
#69
 Pentachlorophenol
 Concen: 77.270 ng
 RT: 11.07 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleID :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	126897		
268	62.8	51.1	76.7	
264	62.8	51.7	77.5	

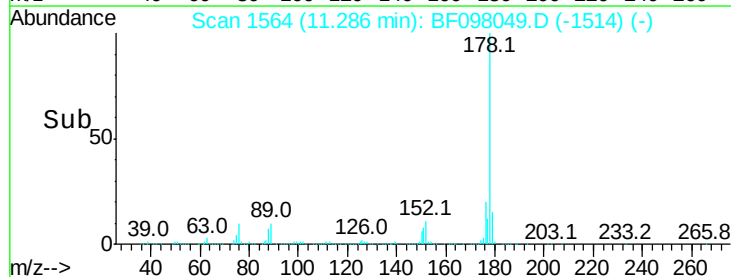
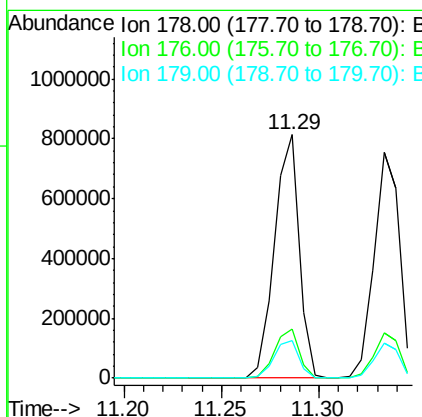
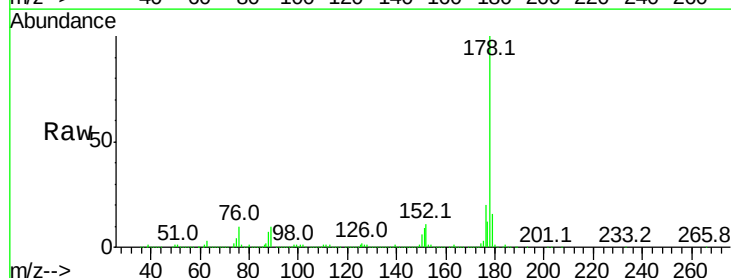
Manual Integrations
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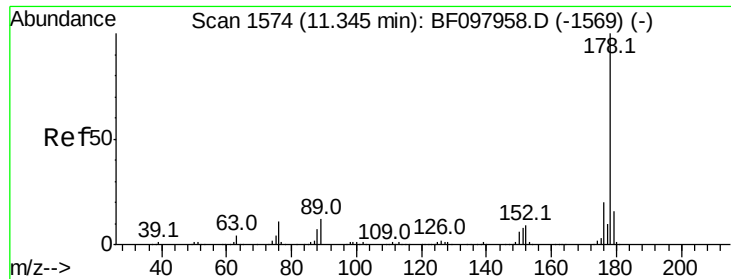
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#70
 Phenanthrene
 Concen: 50.342 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	713865		
176	20.1	16.2	24.4	
179	15.6	12.6	19.0	





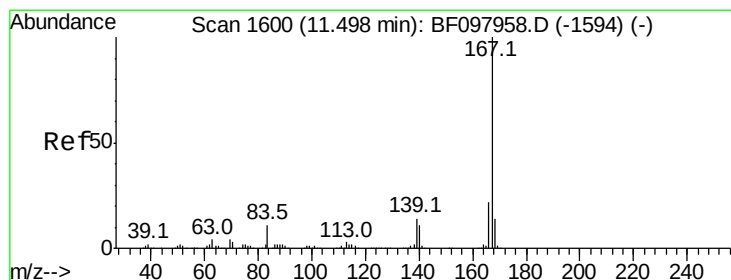
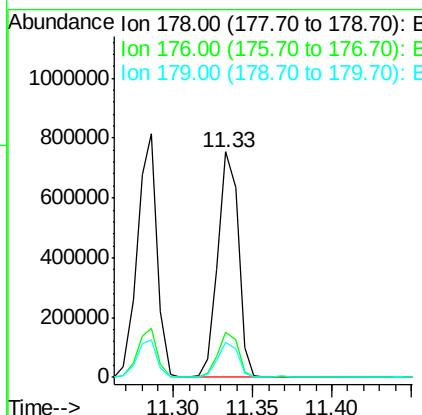
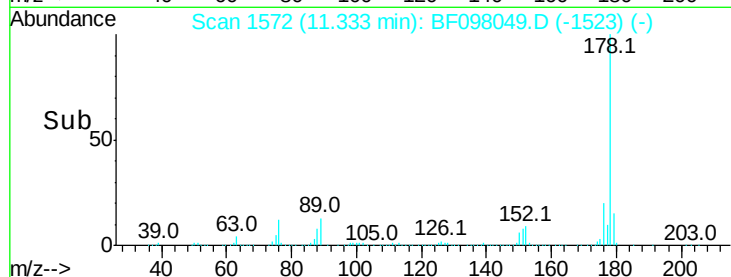
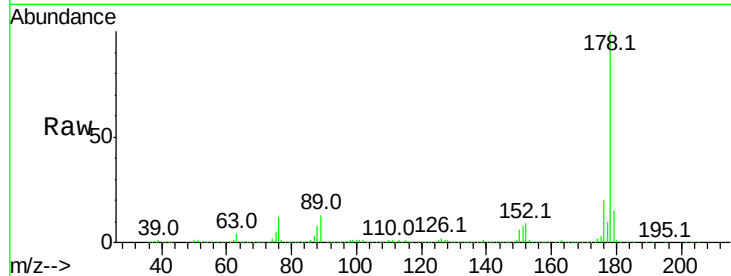
#71
 Anthracene
 Concen: 47.338 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.5	12.7	19.1

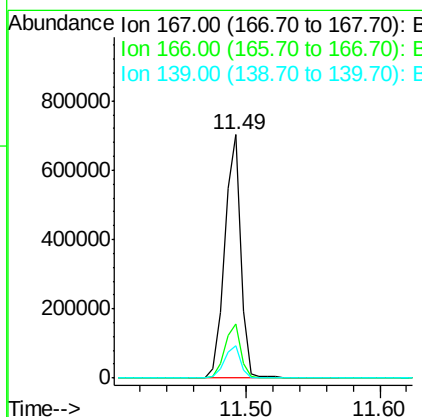
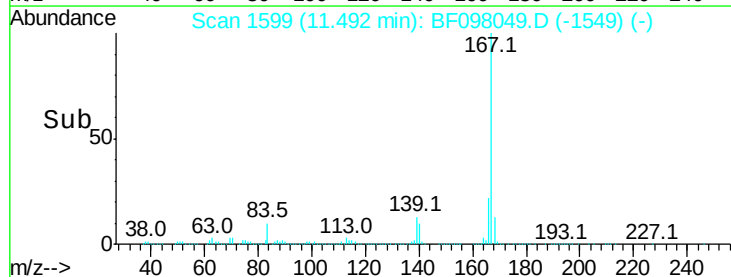
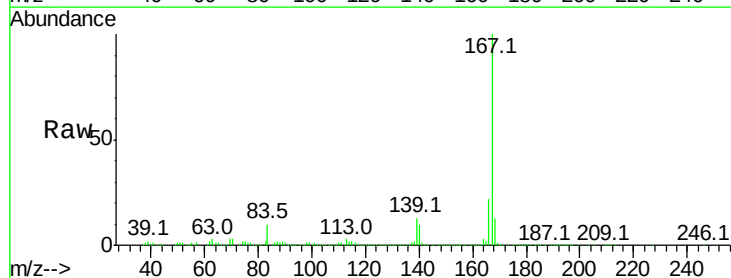
Manual Integrations
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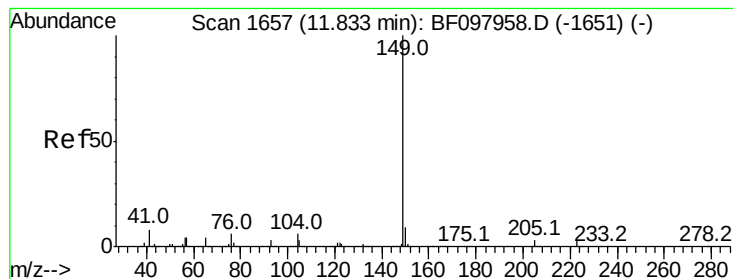
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#72
 Carbazole
 Concen: 43.727 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	13.1	11.7	17.5





#73

Di-n-butylphthalate

Concen: 43.963 ng

RT: 11.83 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

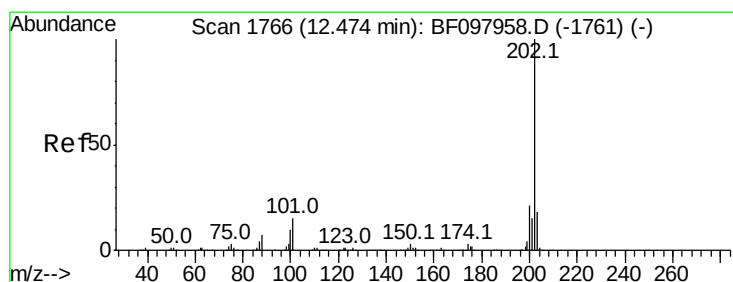
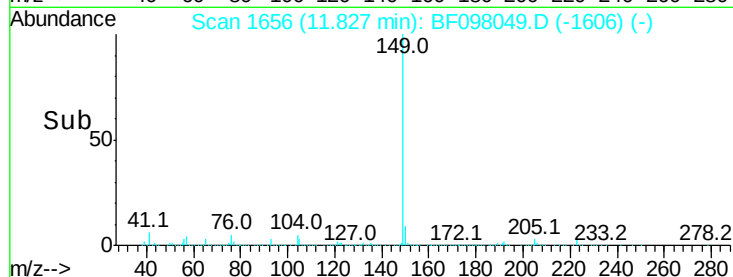
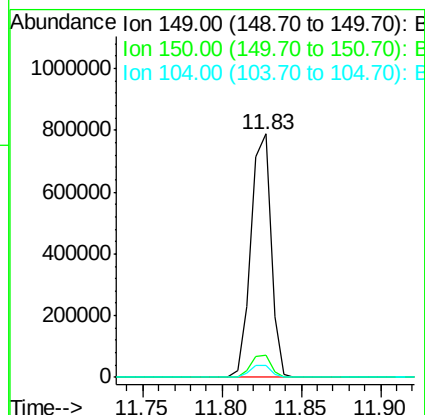
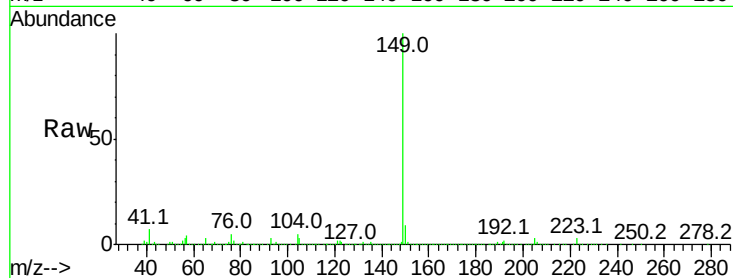
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion:	149	Resp:	691334
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.7	11.5
104	5.0	4.0	6.0

Manual Integrations
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8/28/2017 3:13:35 PM



#74

Fluoranthene

Concen: 70.712 ng

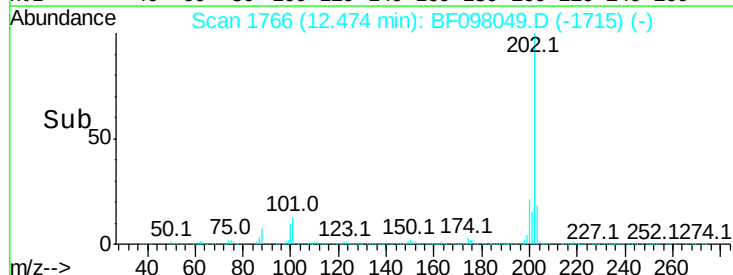
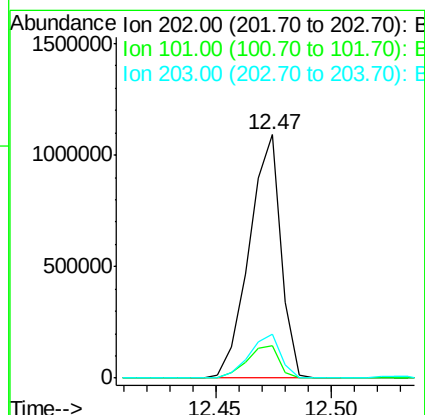
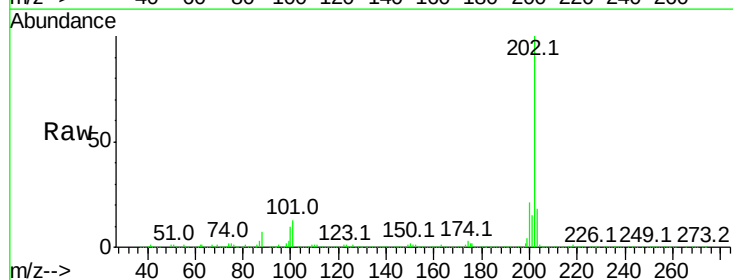
RT: 12.47 min Scan# 1766

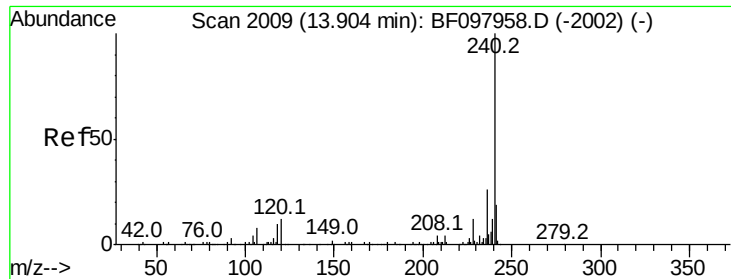
Delta R.T. -0.00 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion:	202	Resp:	1046601
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	33.2
203	18.2	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: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

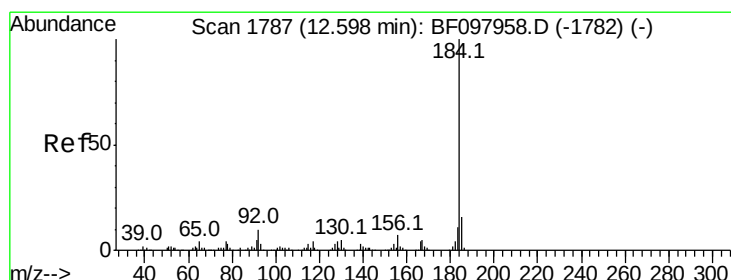
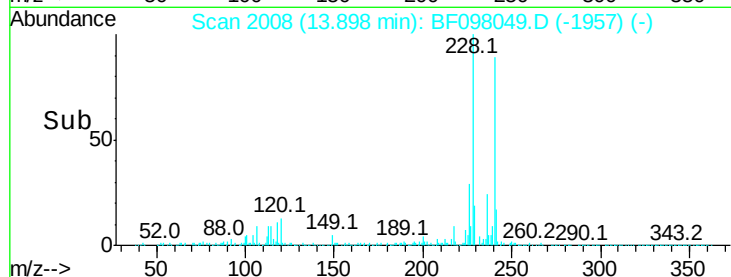
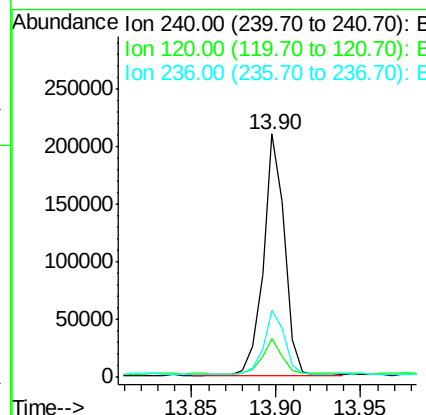
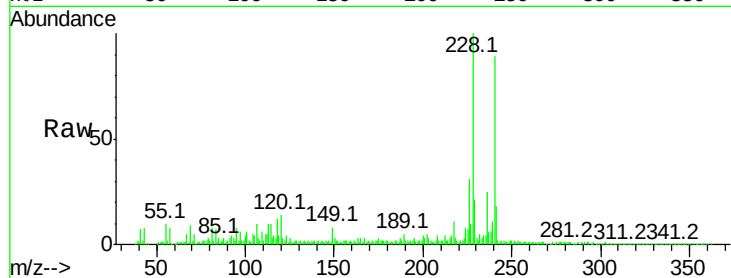
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.8	5.8	8.8#
236	27.5	20.5	30.7

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#76

Benzidine

Concen: 6.212 ng

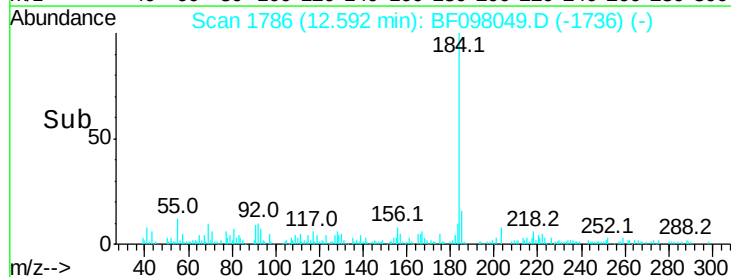
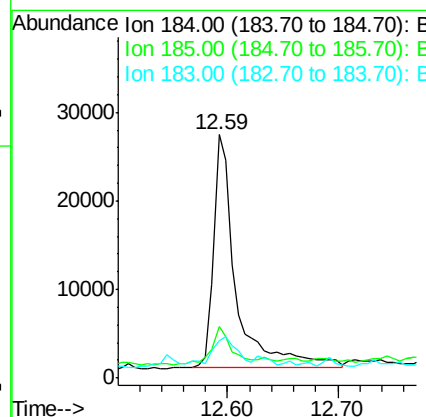
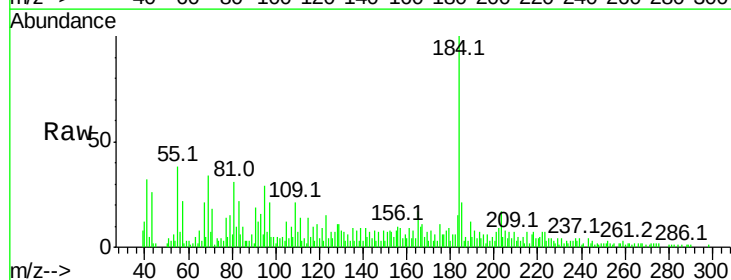
RT: 12.59 min Scan# 1786

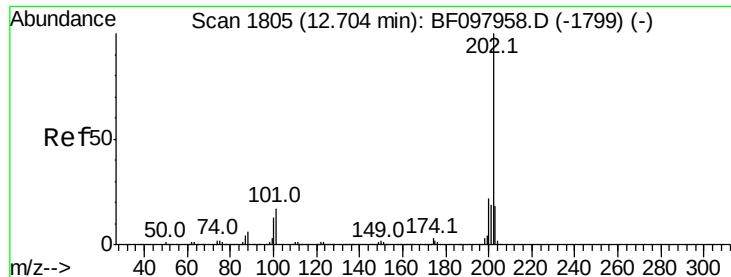
Delta R.T. -0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
184	100		
185	21.2	15.5	23.3
183	15.4	9.8	14.6#





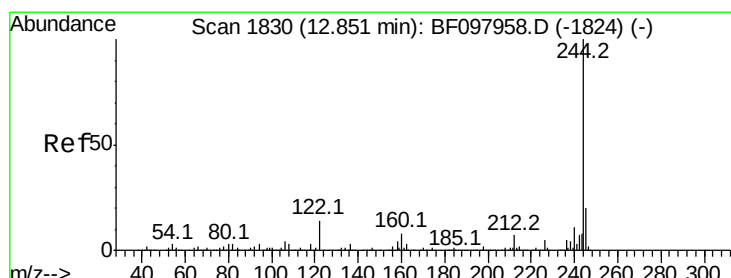
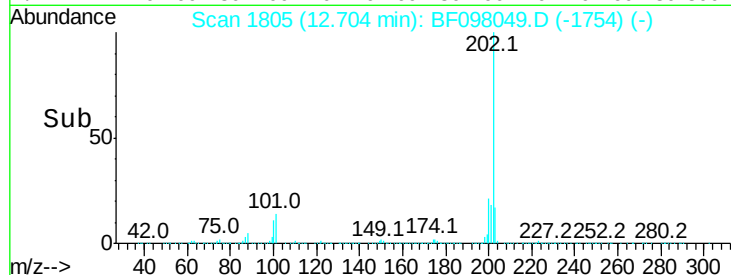
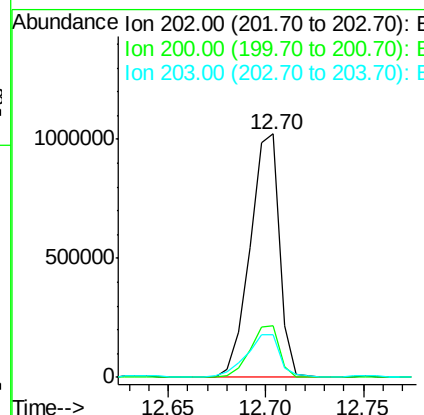
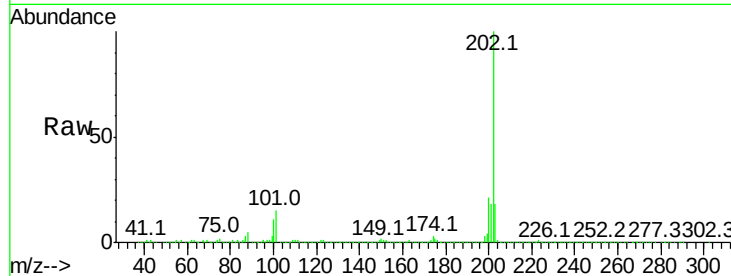
#77
Pvrene
Concen: 71.604 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.00 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	17.7	14.4	21.6

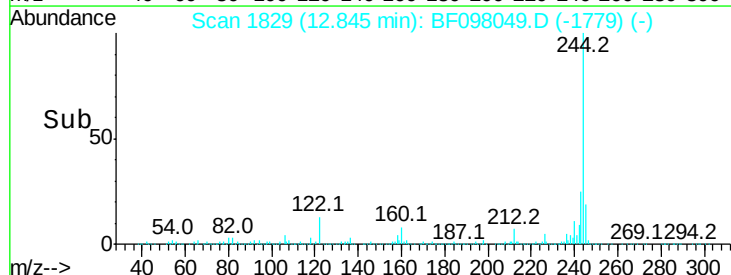
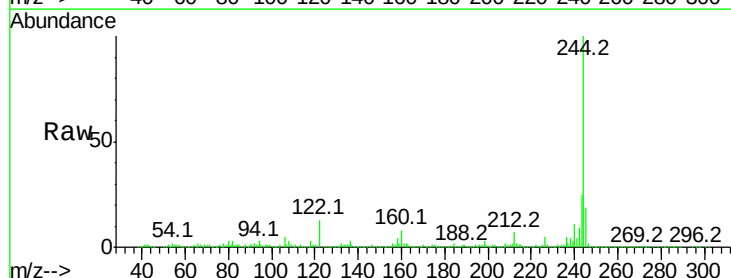
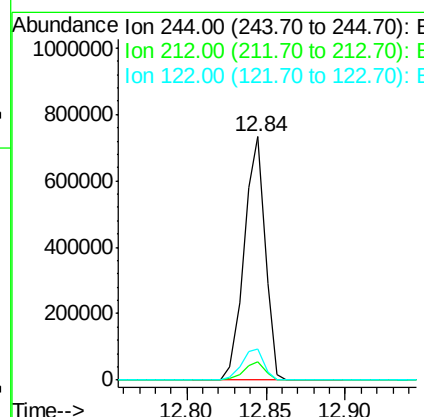
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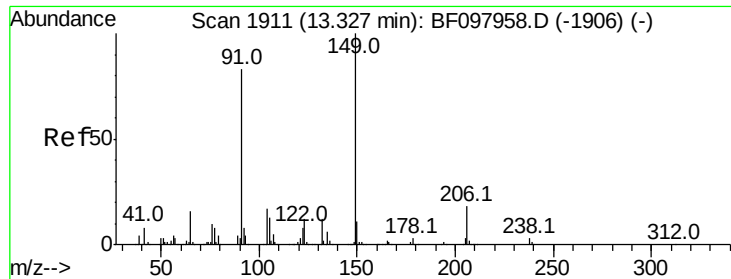
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#78
Terphenyl-d14
Concen: 77.231 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	12.8	10.3	15.5





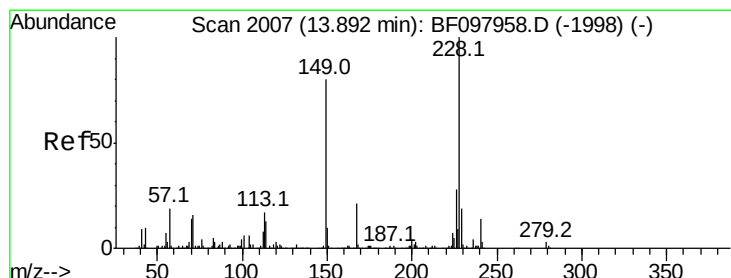
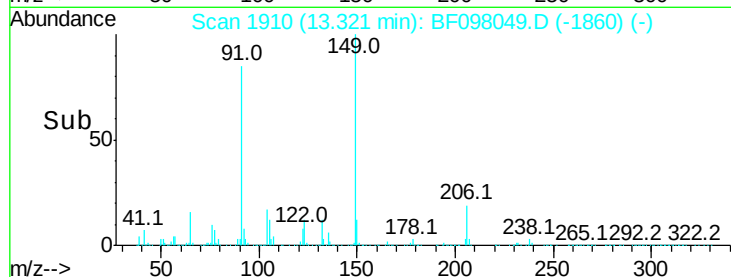
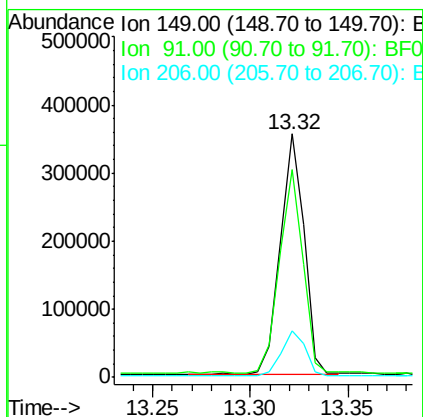
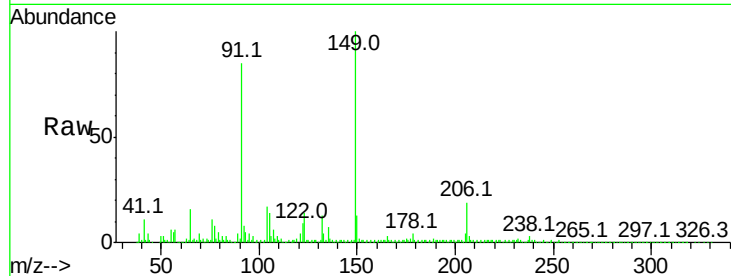
#79
Butylbenzylphthalate
Concen: 52.708 ng
RT: 13.32 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	299623		
91	85.1	45.0	67.4#	
206	18.8	17.0	25.6	

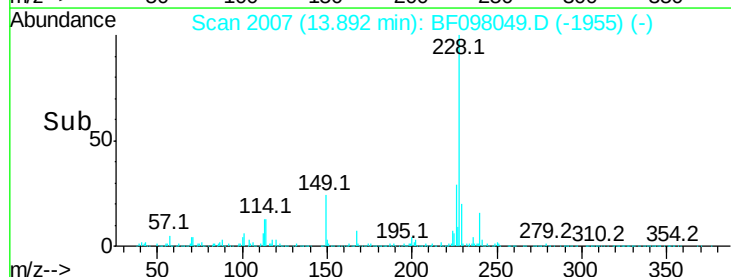
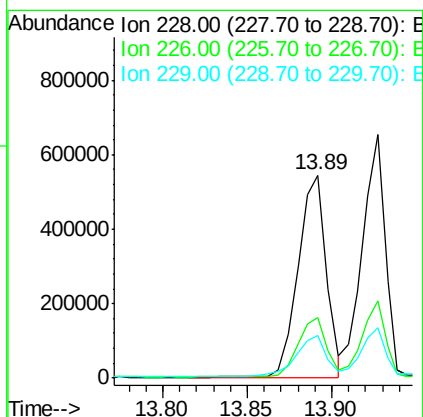
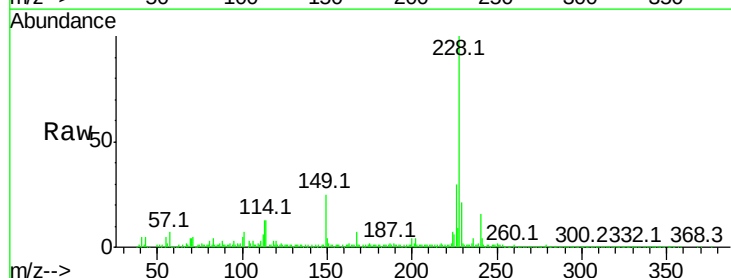
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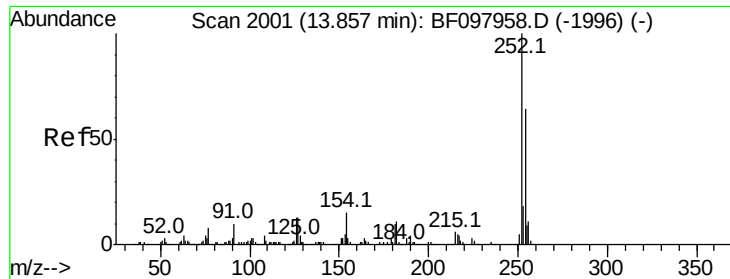
Sohil
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#80
Benzo(a)anthracene
Concen: 57.662 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF098049.D
Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	626496		
226	30.0	22.6	33.8	
229	21.2	16.3	24.5	





#81

3,3'-Dichlorobenzidine

Concen: 29.594 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.00 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

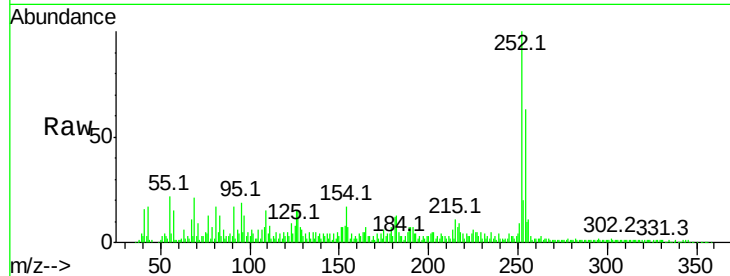
ClientSampleId :

IRON-LEAF-TOPSOILMS

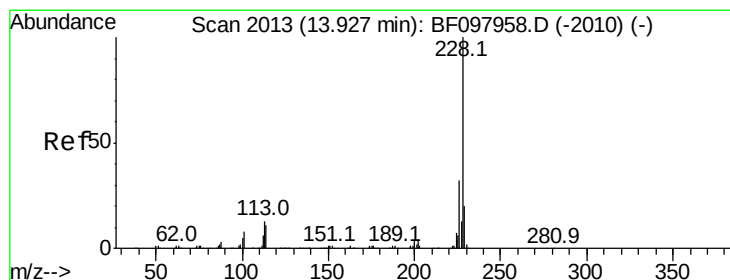
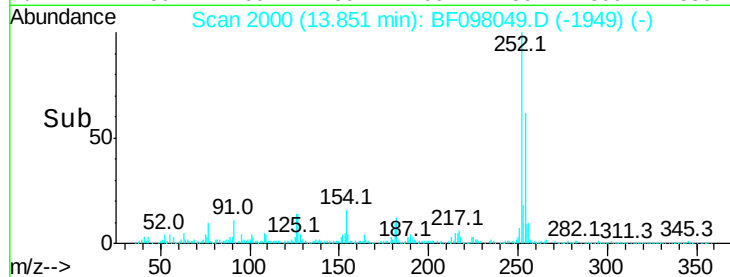
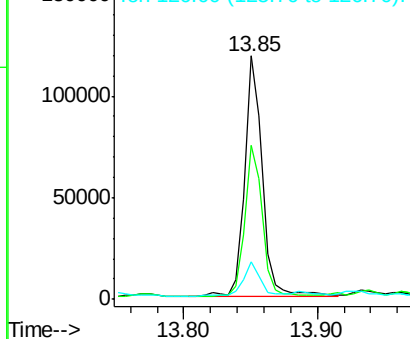
Tot Ion:	252	Resp:	108500
Ion Ratio	Lower	Upper	
252	100		
254	63.1	51.5	77.3
126	15.2	15.8	23.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 56.984 ng

RT: 13.93 min Scan# 2013

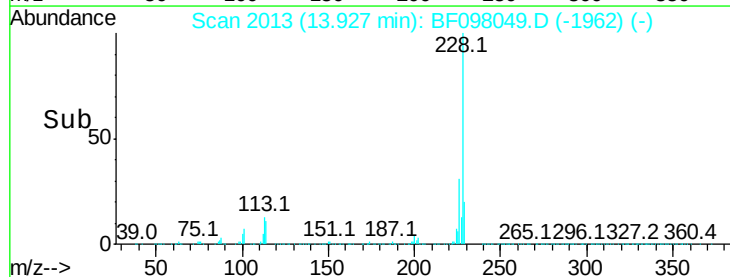
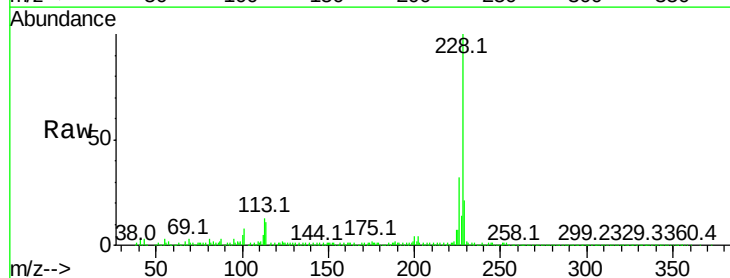
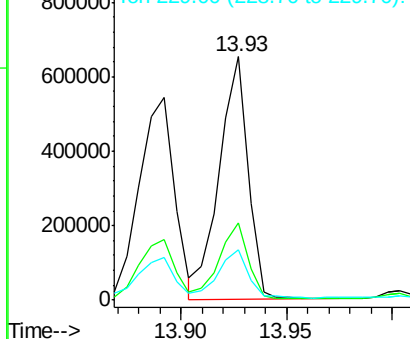
Delta R.T. -0.00 min

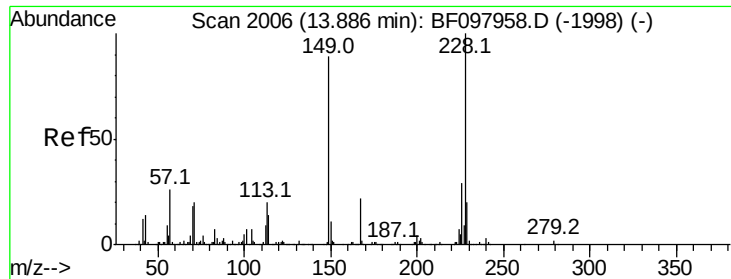
Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion:	228	Resp:	615889
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.9	37.3
229	20.6	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 53.643 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

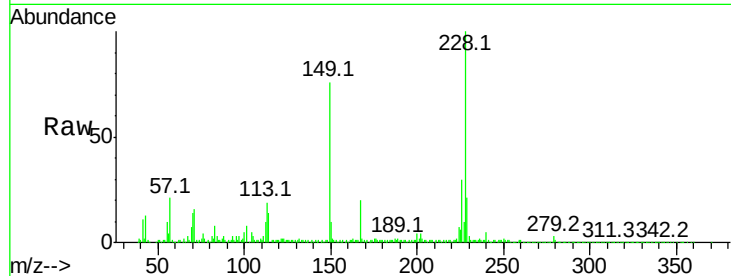
ClientSampleId :

IRON-LEAF-TOPSOILMS

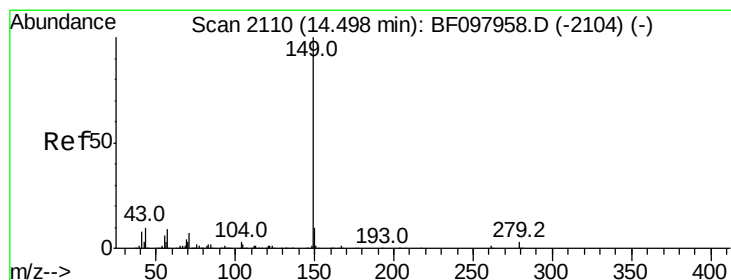
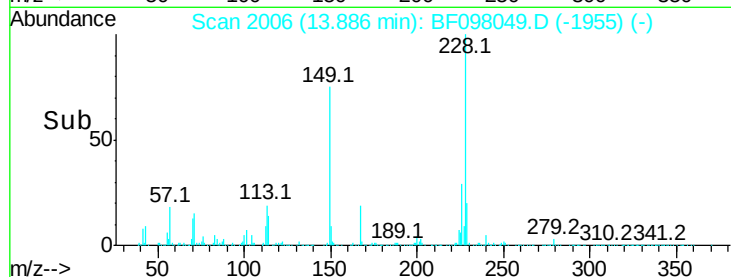
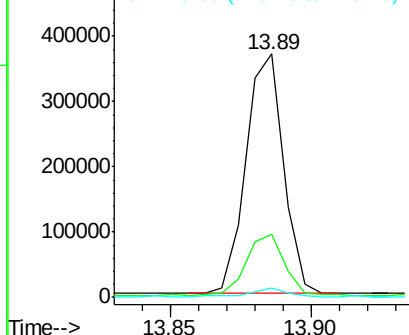
Tot Ion:	149	Resp:	337905
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.0	31.4
279	3.7	1.9	2.9#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 49.649 ng

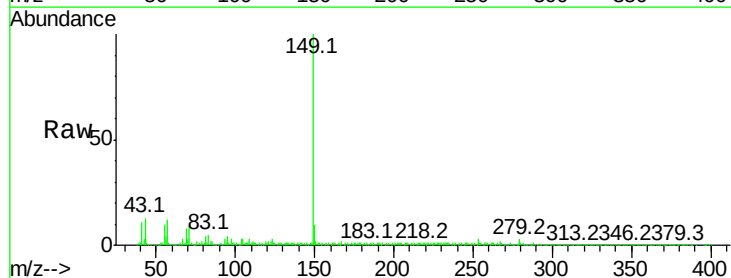
RT: 14.50 min Scan# 2110

Delta R.T. -0.00 min

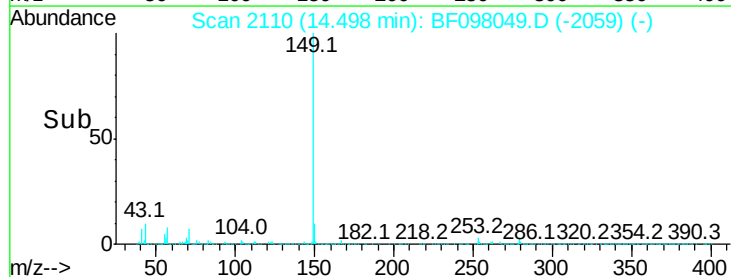
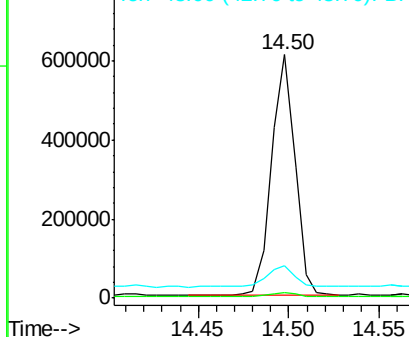
Lab File: BF098049.D

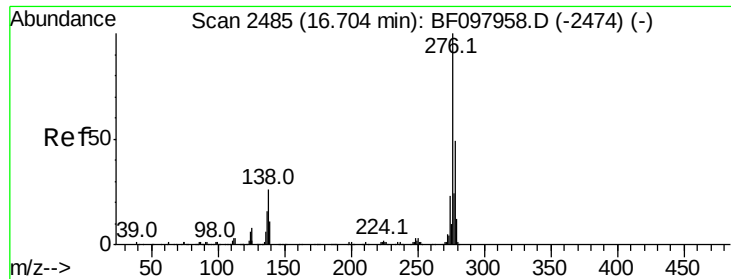
Acq: 26 Aug 2017 00:03

Tgt Ion:	149	Resp:	544172
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.2	1.8#
43	10.4	8.5	12.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





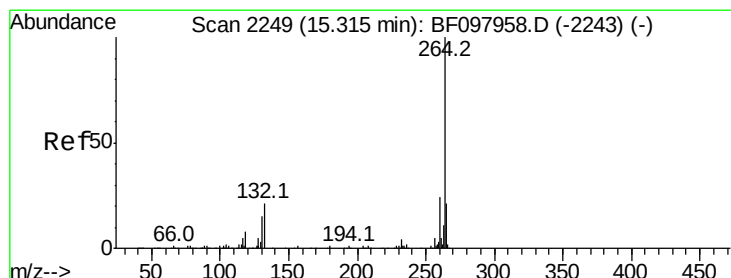
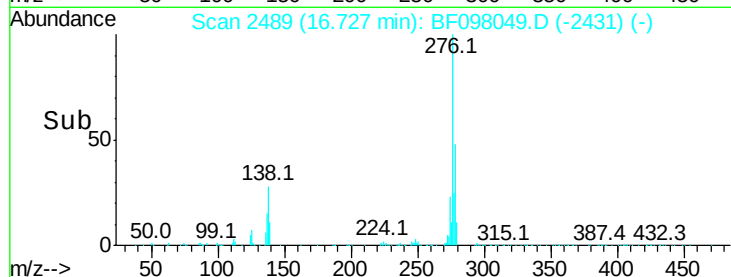
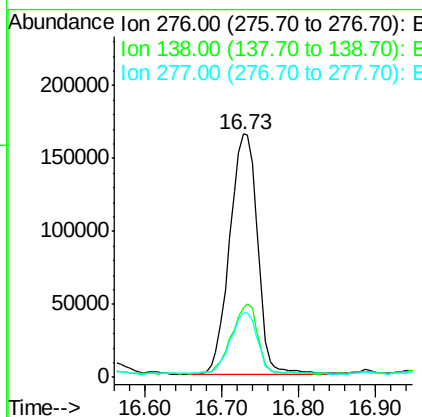
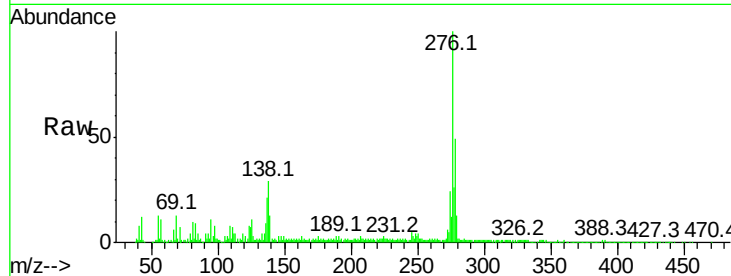
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 52.484 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.04 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	27.8	41.6
277	24.5	20.2	30.4

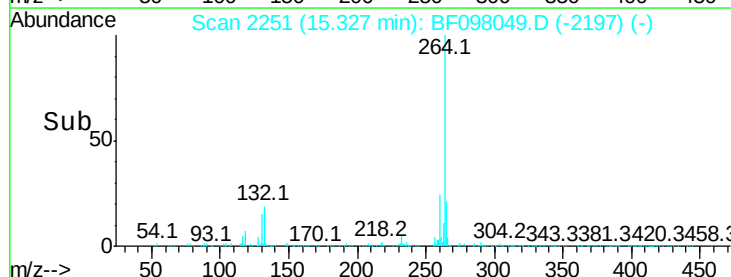
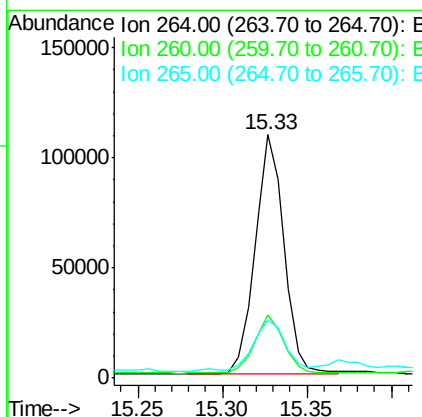
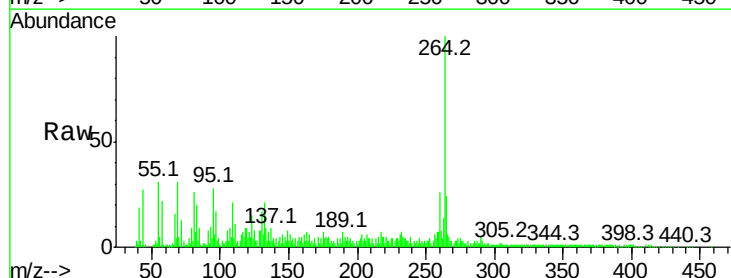
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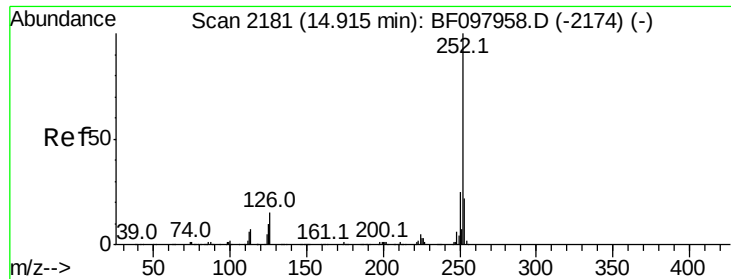
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.02 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.5	29.3
265	24.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 63.187 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

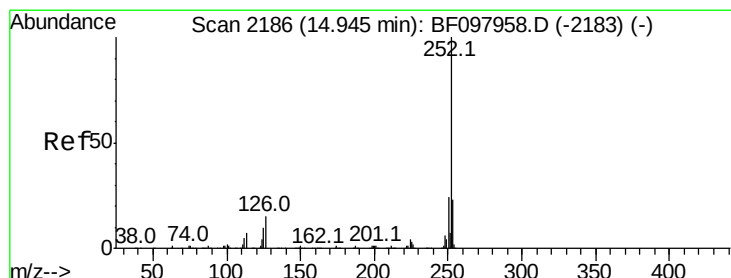
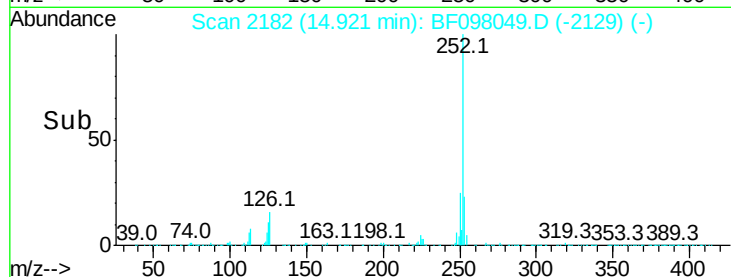
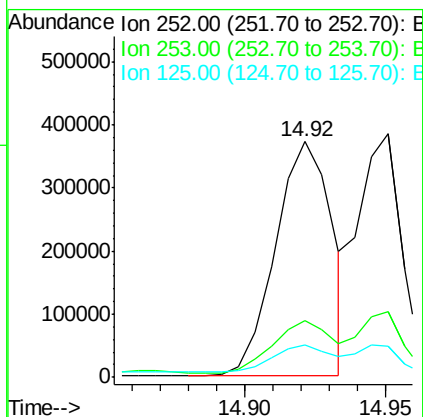
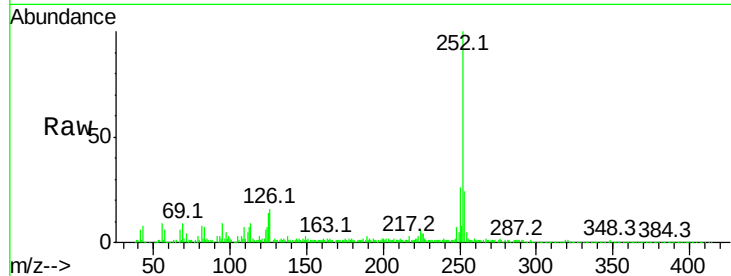
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion:	252	Resp:	513648
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.1	27.1
125	13.7	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 53.901 ng m

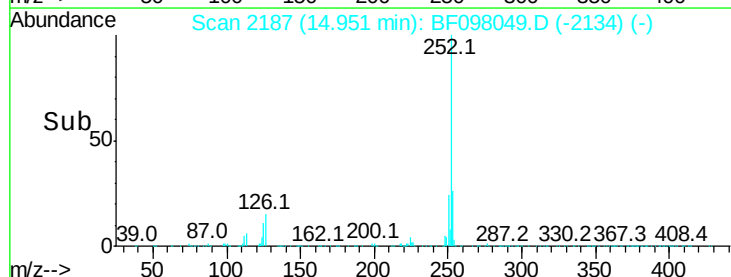
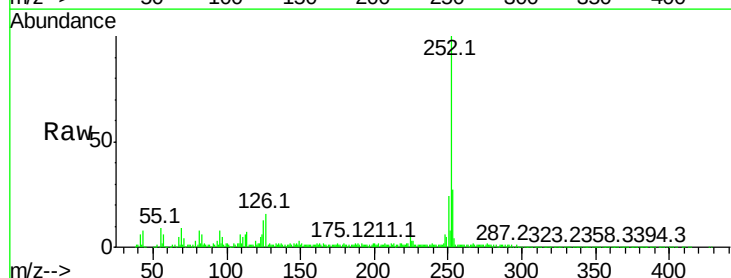
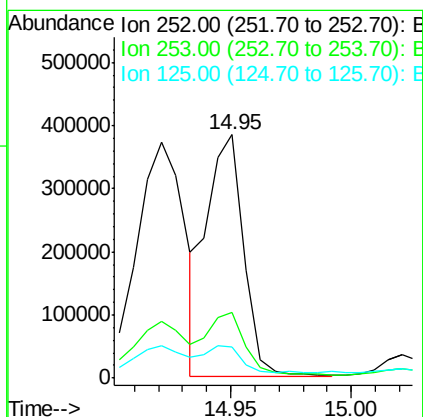
RT: 14.95 min Scan# 2187

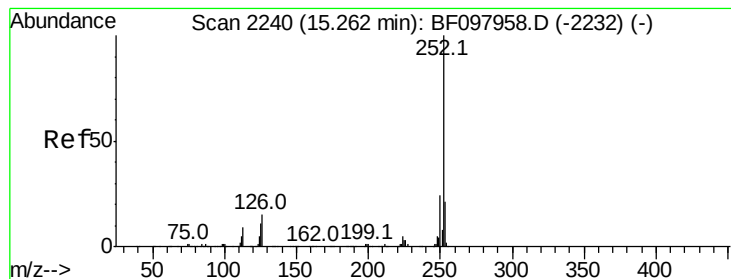
Delta R.T. 0.01 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion:	252	Resp:	411655
Ion Ratio	Lower	Upper	
252	100		
253	27.0	18.4	27.6
125	12.9	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 62.989 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.02 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Instrument :

BNA_F

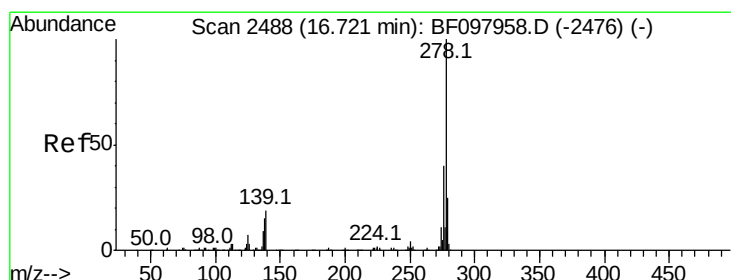
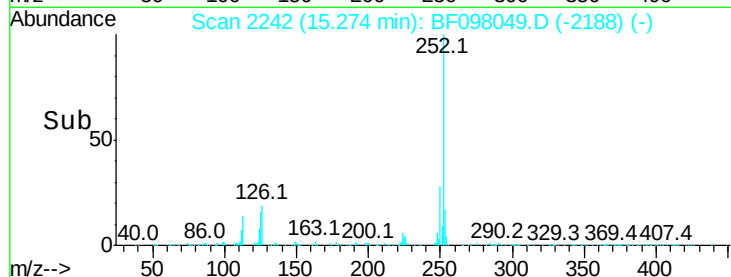
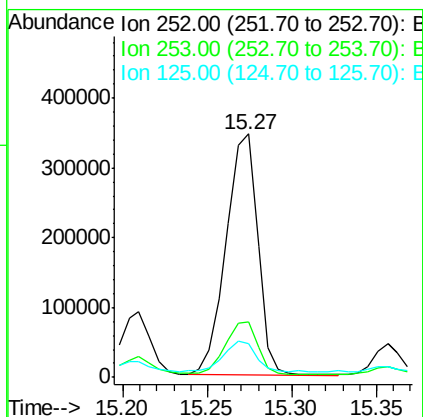
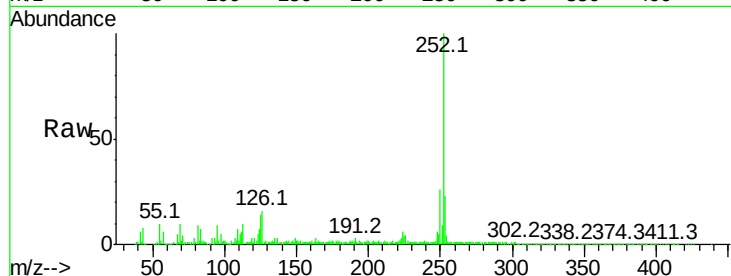
ClientSampleId :

IRON-LEAF-TOPSOILMS

Tot Ion:	252	Resp:	453301
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	14.0	11.0	16.4

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#90

Dibenzo(a,h)anthracene

Concen: 49.542 ng

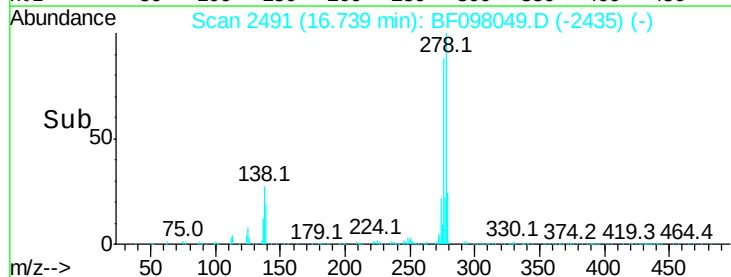
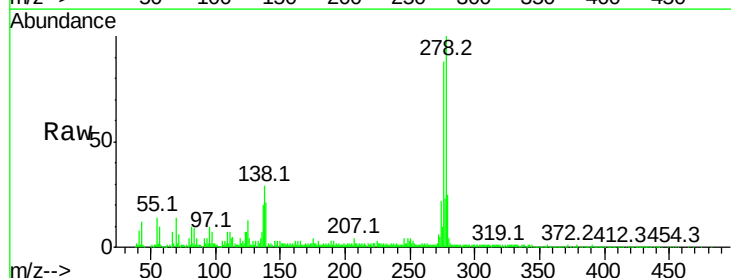
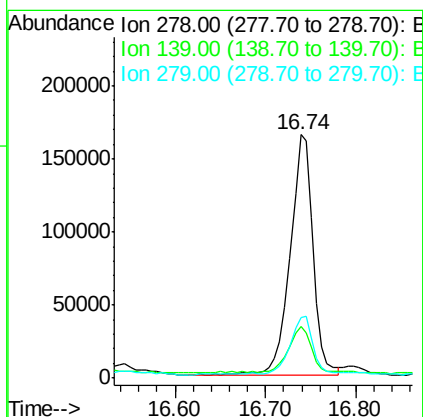
RT: 16.74 min Scan# 2491

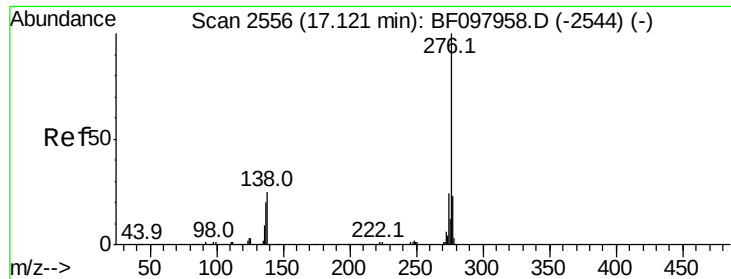
Delta R.T. 0.03 min

Lab File: BF098049.D

Acq: 26 Aug 2017 00:03

Tgt Ion:	278	Resp:	290257
Ion Ratio	Lower	Upper	
278	100		
139	21.3	16.6	24.8
279	24.9	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 59.143 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. 0.04 min
 Lab File: BF098049.D
 Acq: 26 Aug 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMS

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	25.9	25.4	38.0

Manual Integrations
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