

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
 Data File : BF108022.D
 Acq On : 8 Aug 2018 16:27
 Operator : JU/SJ
 Sample : J3762-02
 Misc : L00 20 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Quant Time: Aug 08 18:51:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	285504	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1134880	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	612183	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	1235809	20.00	ng	0.00
75) Chrysene-d12	14.21	240	1039874	20.00	ng	0.00
86) Perylene-d12	15.77	264	896121	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	1976861	125.36	ng	0.02
7) Phenol-d6	6.64	99	2624702	125.25	ng	0.00
23) Nitrobenzene-d5	7.58	82	1487045	73.12	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	809007	132.49	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2770166	72.65	ng	0.00
78) Terphenyl-d14	13.15	244	3045792	74.47	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.00	88	150471	18.570	ng	# 86
3) Pyridine	3.74	79	415223	19.892	ng	# 84
4) n-Nitrosodimethylamine	3.69	42	224861	19.145	ng	82
6) Aniline	6.68	93	422695	14.829	ng	97
8) 2-Chlorophenol	6.80	128	355734	20.029	ng	97
9) Benzaldehyde	6.57	77	295886	18.211	ng	96
10) Phenol	6.64	94	427744	19.733	ng	83
11) bis(2-Chloroethyl)ether	6.75	93	346564	19.776	ng	93
12) 1,3-Dichlorobenzene	6.95	146	410891	20.008	ng	97
13) 1,4-Dichlorobenzene	7.03	146	412176	19.976	ng	98
14) 1,2-Dichlorobenzene	7.18	146	389620	20.301	ng	98
15) Benzyl Alcohol	7.15	79	299145	16.957	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.28	45	725946	20.108	ng	95
17) 2-Methylphenol	7.25	107	315333	20.703	ng	94
18) Hexachloroethane	7.53	117	146873	19.994	ng	90
19) n-Nitroso-di-n-propylamine	7.41	70	286570	20.222	ng	# 84
20) 3+4-Methylphenols	7.40	107	411928	21.105	ng	95
22) Acetophenone	7.42	105	536657	20.223	ng	# 93
24) Nitrobenzene	7.60	77	417353	20.293	ng	99
25) Isophorone	7.82	82	764794	19.729	ng	95
26) 2-Nitrophenol	7.91	139	150981	19.440	ng	88
27) 2,4-Dimethylphenol	7.93	122	360220	20.937	ng	96
28) bis(2-Chloroethoxy)methane	8.04	93	462032	20.417	ng	99
29) 2,4-Dichlorophenol	8.14	162	325377	20.550	ng	97
30) 1,2,4-Trichlorobenzene	8.24	180	346800	19.867	ng	97
31) Naphthalene	8.32	128	1083801	20.999	ng	99
32) Benzoic acid	8.01	122	144444	18.641	ng	88
33) 4-Chloroaniline	8.36	127	295849	13.153	ng	97
34) Hexachlorobutadiene	8.43	225	223201	20.198	ng	99
35) Caprolactam	8.71	113	101251	20.407	ng	# 71
36) 4-Chloro-3-methylphenol	8.83	107	350955	20.547	ng	98
37) 2-Methylnaphthalene	9.01	142	769339	21.069	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.18	216	376372	20.020	ng	98
40) Hexachlorocyclopentadiene	9.16	237	238520	19.643	ng	97

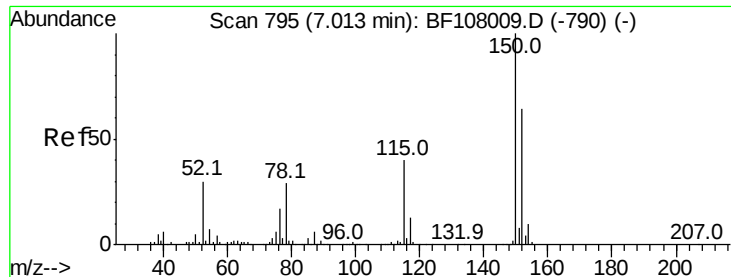
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	223086	19.123	ng	100
43) 2,4,5-Trichlorophenol	9.32	196	271753	21.161	ng	98
45) 1,1'-Biphenyl	9.48	154	933636	20.685	ng	98
46) 2-Chloronaphthalene	9.51	162	732965	20.546	ng	97
47) 2-Nitroaniline	9.60	65	240715	20.854	ng	87
48) Acenaphthylene	9.92	152	1196587	21.217	ng	99
49) Dimethylphthalate	9.77	163	879587	20.626	ng	99
50) 2,6-Dinitrotoluene	9.84	165	187225	20.985	ng	92
51) Acenaphthene	10.10	154	706626	20.456	ng	99
52) 3-Nitroaniline	10.01	138	144772	14.831	ng	95
53) 2,4-Dinitrophenol	10.11	184	46495	19.724	ng	# 65
54) Dibenzofuran	10.27	168	1051625	21.013	ng	96
55) 4-Nitrophenol	10.15	139	144749	19.582	ng	86
56) 2,4-Dinitrotoluene	10.24	165	248804	21.665	ng	# 88
57) Fluorene	10.61	166	816123	20.600	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.38	232	218158	20.324	ng	# 87
59) Diethylphthalate	10.48	149	865635	20.963	ng	96
60) 4-Chlorophenyl-phenylether	10.60	204	425706	20.622	ng	92
61) 4-Nitroaniline	10.62	138	195442	20.251	ng	93
62) Azobenzene	10.77	77	898551	21.071	ng	92
64) 4,6-Dinitro-2-methylphenol	10.65	198	75065	19.731	ng	93
65) n-Nitrosodiphenylamine	10.72	169	759873	20.807	ng	97
66) 4-Bromophenyl-phenylether	11.10	248	274738	20.457	ng	# 88
67) Hexachlorobenzene	11.16	284	284718	20.149	ng	91
68) Atrazine	11.24	200	252696	20.630	ng	97
69) Pentachlorophenol	11.35	266	126621	18.721	ng	98
70) Phenanthrene	11.58	178	1241556	21.300	ng	98
71) Anthracene	11.64	178	1272829	21.306	ng	99
72) Carbazole	11.78	167	1131054	21.309	ng	99
73) Di-n-butylphthalate	12.11	149	1313827	21.853	ng	99
74) Fluoranthene	12.78	202	1359027	21.363	ng	95
76) Benzidine	12.89	184	378917	9.753	ng	98
77) Pyrene	13.01	202	1355472	20.589	ng	99
79) Butylbenzylphthalate	13.62	149	533252	20.398	ng	# 98
80) Benzo(a)anthracene	14.20	228	1219647	20.437	ng	99
81) 3,3'-Dichlorobenzidine	14.16	252	263191	12.306	ng	# 98
82) Chrysene	14.24	228	1139483	20.827	ng	100
83) Bis(2-ethylhexyl)phthalate	14.17	149	749408	21.169	ng	99
84) Di-n-octyl phthalate	14.80	149	1154486	21.383	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.39	276	912657	19.252	ng	# 92
87) Benzo(b)fluoranthene	15.30	252	1089756	20.351	ng	97
88) Benzo(k)fluoranthene	15.34	252	1017201	20.665	ng	# 96
89) Benzo(a)pyrene	15.71	252	970337	20.237	ng	# 97
90) Dibenzo(a,h)anthracene	17.41	278	763587	19.247	ng	# 94
91) Benzo(g,h,i)perylene	17.88	276	735614	18.830	ng	# 91

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

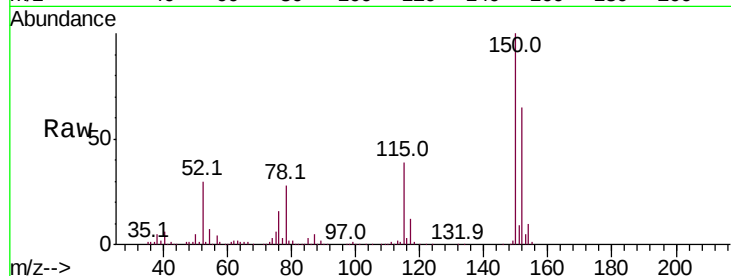


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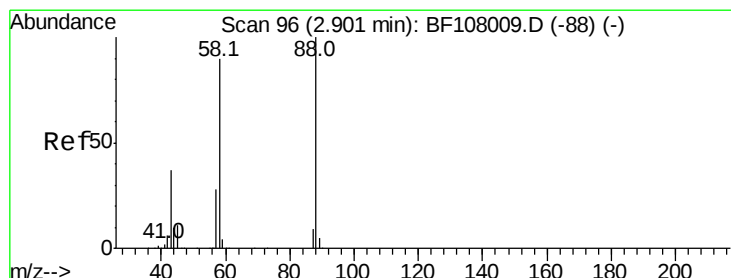
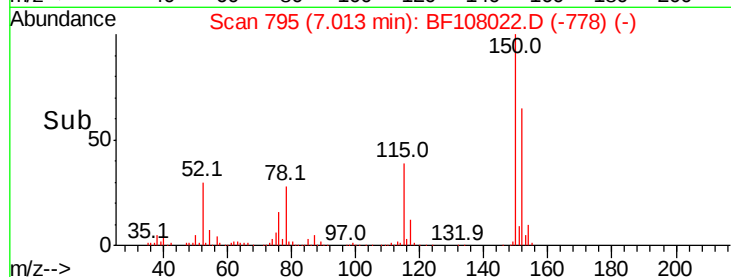
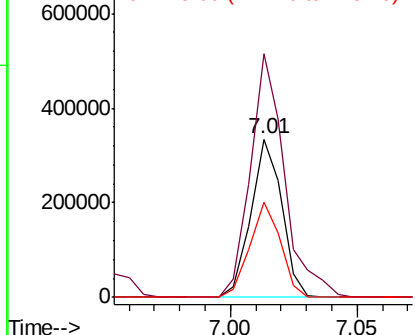
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:152 Resp: 285504
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 60.4 50.1 75.1



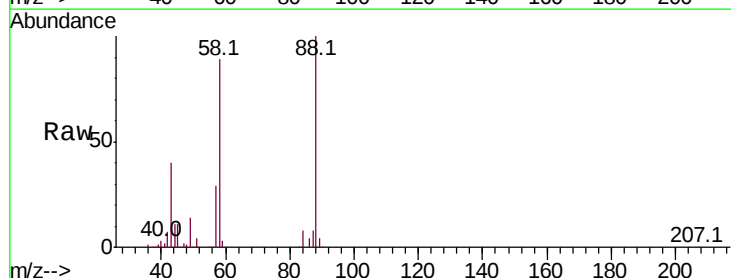
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



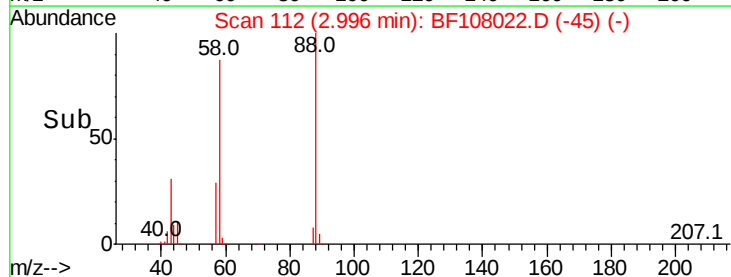
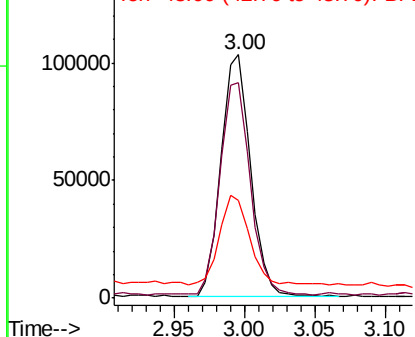
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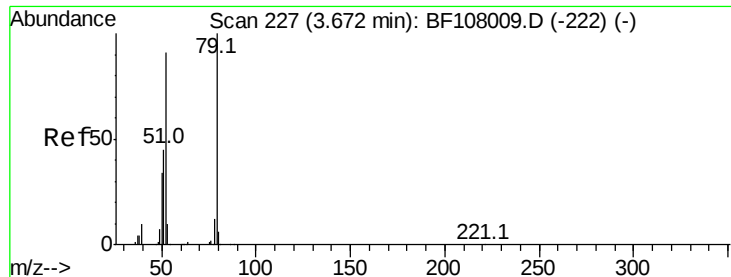
1,4-Dioxane
Concen: 18.570 ng
RT: 3.00 min Scan# 112
Delta R.T. 0.09 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion: 88 Resp: 150471
Ion Ratio Lower Upper
88 100
58 90.0 62.6 93.8
43 38.6 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 19.892 ng

RT: 3.74 min Scan# 239

Delta R.T. 0.07 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

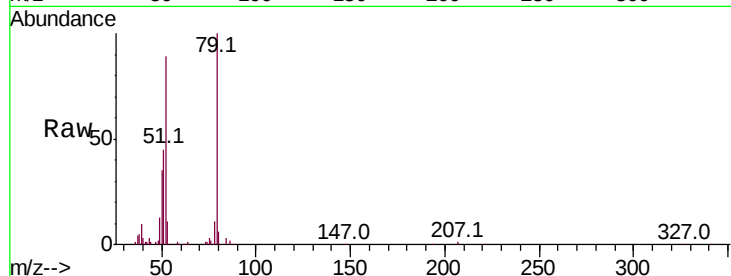
Tot Ion: 79 Resp: 415223

Ion Ratio Lower Upper

79 100

52 89.3 59.8 89.6

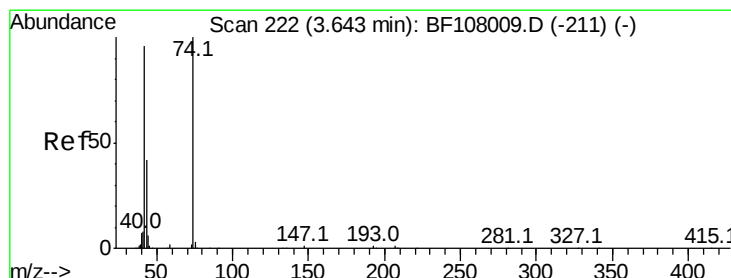
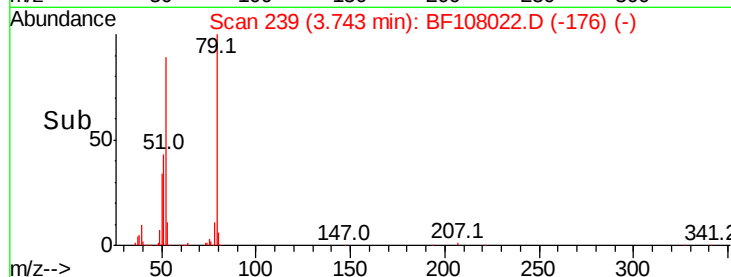
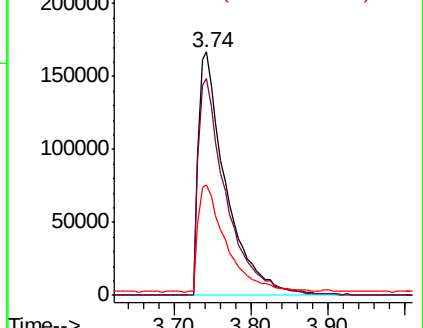
51 45.2 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 19.145 ng

RT: 3.69 min Scan# 230

Delta R.T. 0.05 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

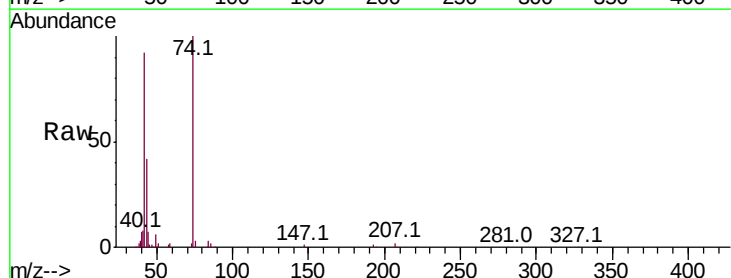
Tgt Ion: 42 Resp: 224861

Ion Ratio Lower Upper

42 100

74 108.4 104.9 157.3

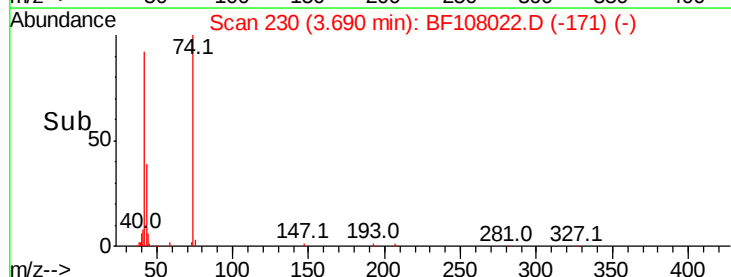
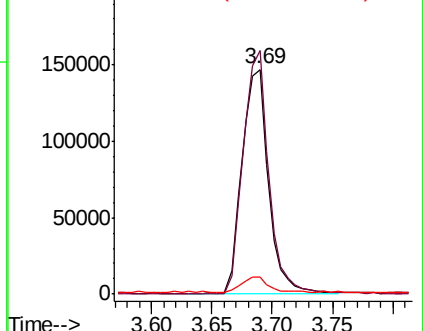
44 7.6 6.9 10.3

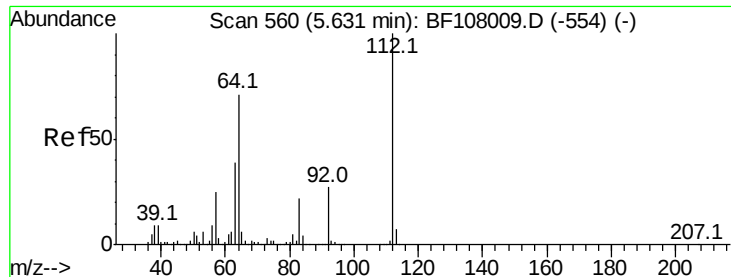


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 125.358 ng

RT: 5.65 min Scan# 563

Delta R.T. 0.02 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

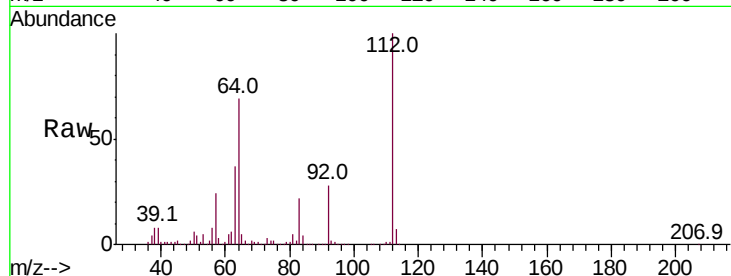
Tot Ion:112 Resp: 1976861

Ion Ratio Lower Upper

112 100

64 68.9 47.9 71.9

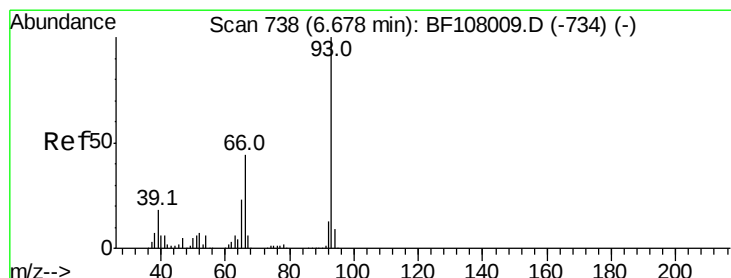
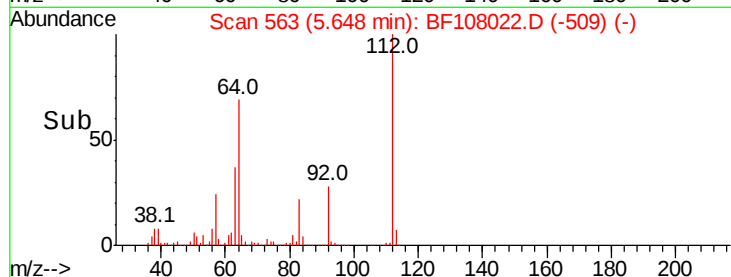
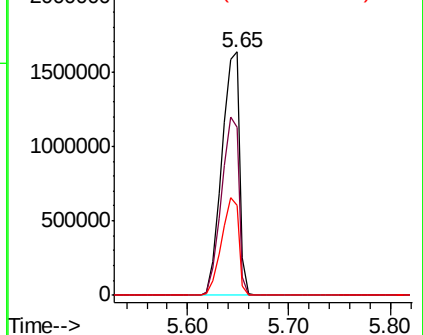
63 37.2 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 14.829 ng

RT: 6.68 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

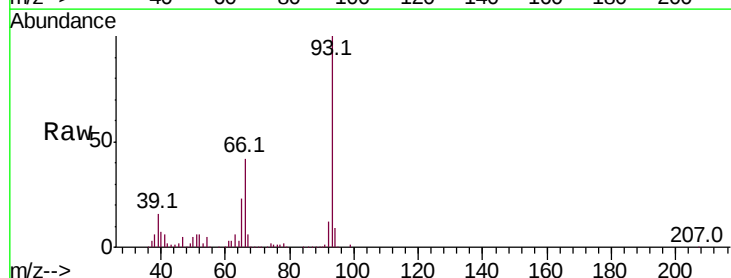
Tgt Ion: 93 Resp: 422695

Ion Ratio Lower Upper

93 100

66 42.0 32.2 48.2

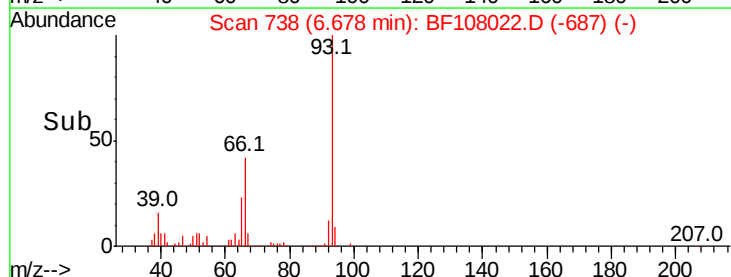
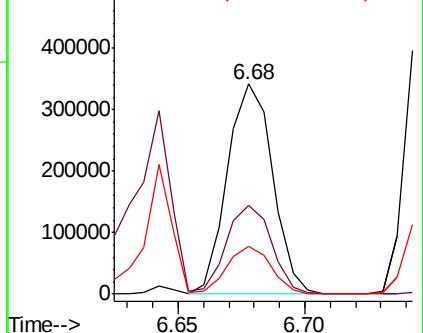
65 22.6 16.4 24.6

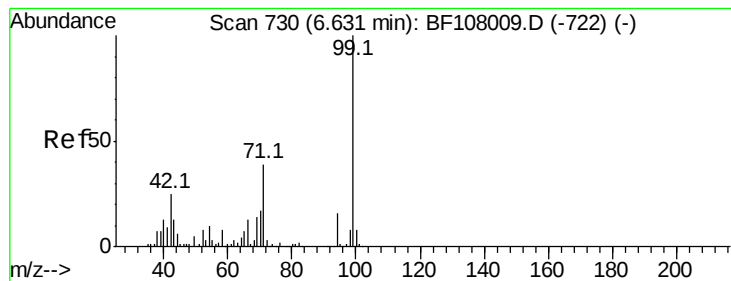


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 125.249 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108022.D

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ClientSampleId :

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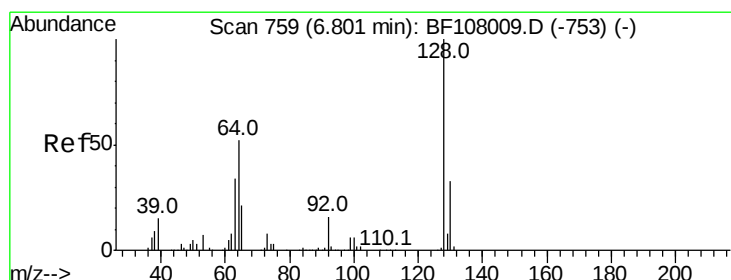
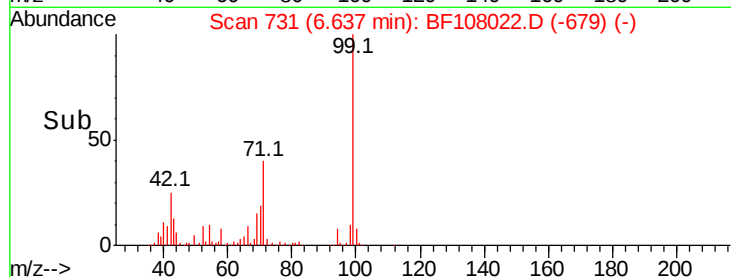
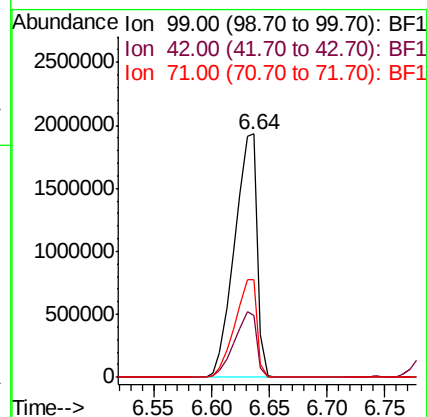
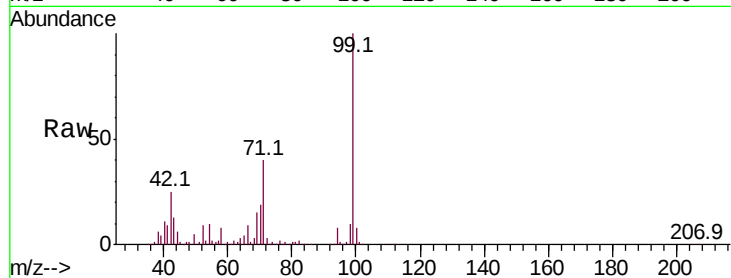
Tot Ion: 99 Resp: 2624702

Ion Ratio Lower Upper

99 100

42 25.4 14.5 21.7#

71 40.1 25.4 38.0#



#8

2-Chlorophenol

Concen: 20.029 ng

RT: 6.80 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

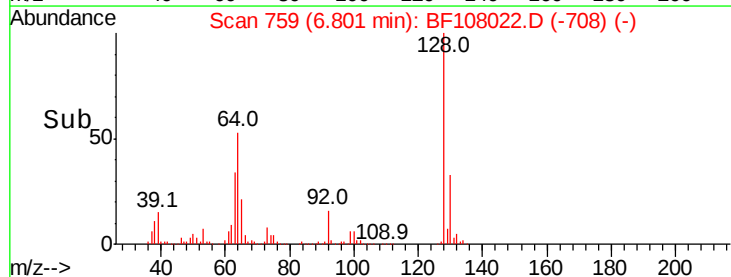
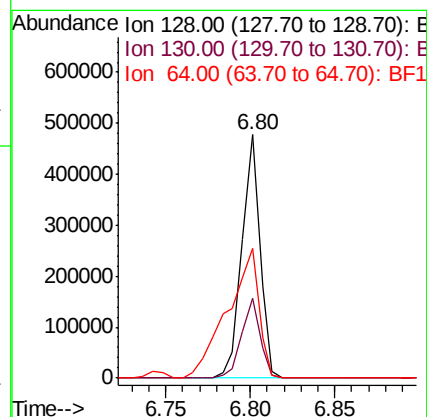
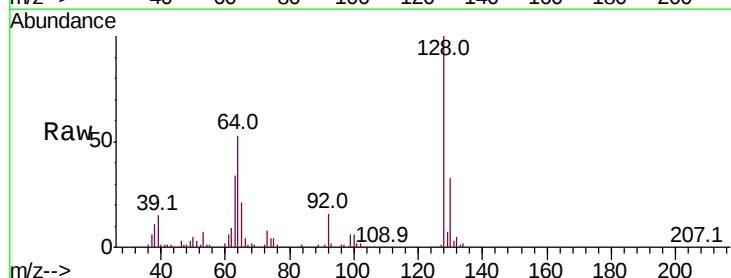
Tgt Ion:128 Resp: 355734

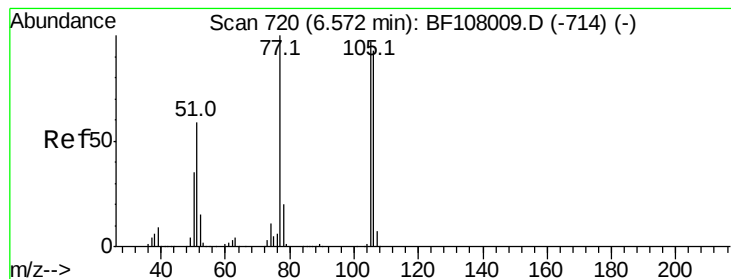
Ion Ratio Lower Upper

128 100

130 33.0 13.0 53.0

64 53.3 29.4 69.4





#9

Benzaldehyde

Concen: 18.211 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

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LOQ-SOIL-02-QT3-2018

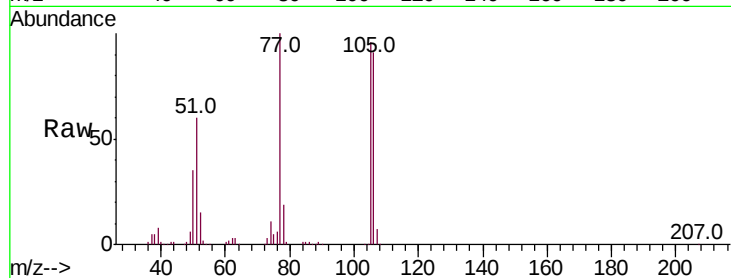
Tot Ion: 77 Resp: 295886

Ion Ratio Lower Upper

77 100

105 96.3 81.1 121.1

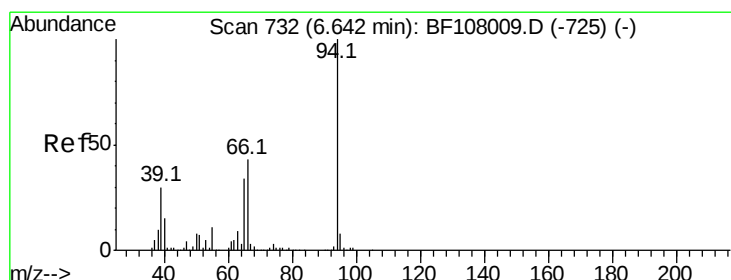
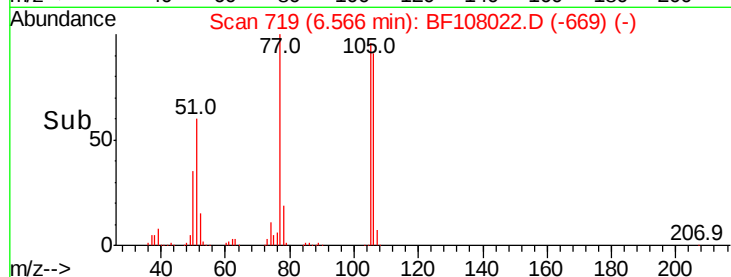
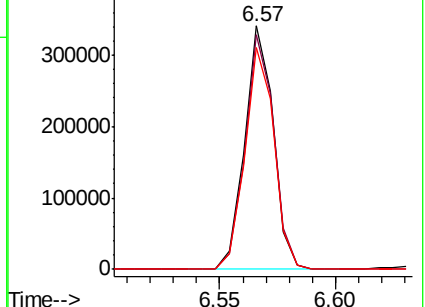
106 91.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 19.733 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

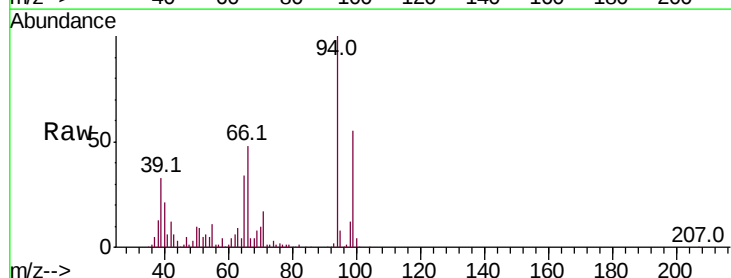
Tgt Ion: 94 Resp: 427744

Ion Ratio Lower Upper

94 100

65 34.3 7.9 47.9

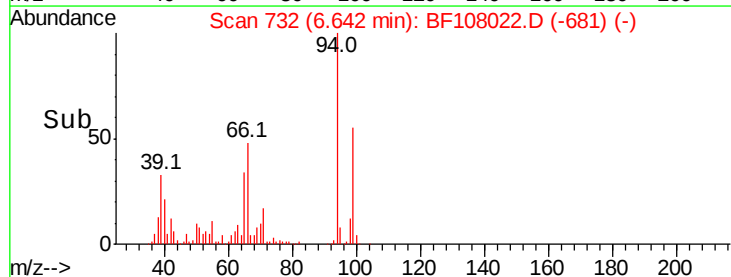
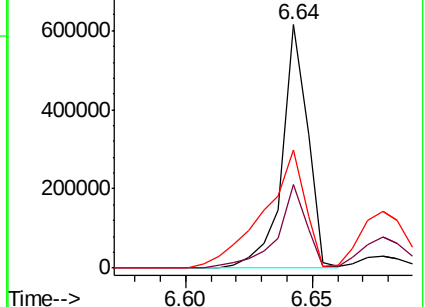
66 48.4 16.2 56.2

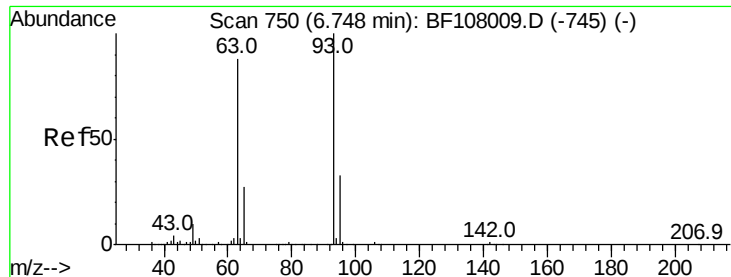


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

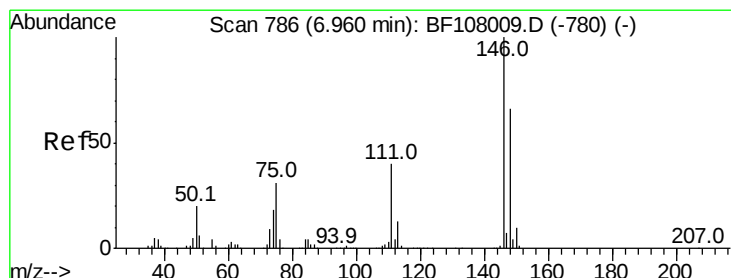
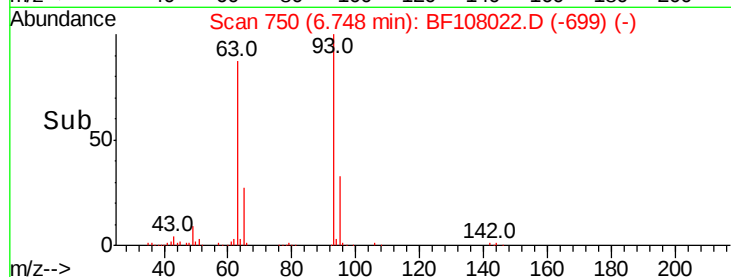
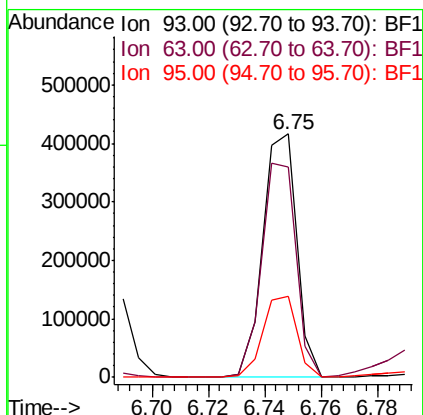
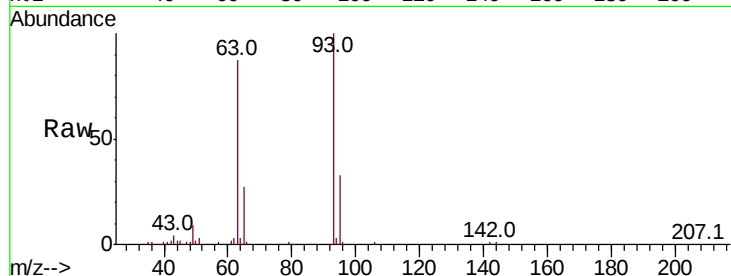




#11
bis(2-Chloroethyl)ether
Concen: 19.776 ng
RT: 6.75 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

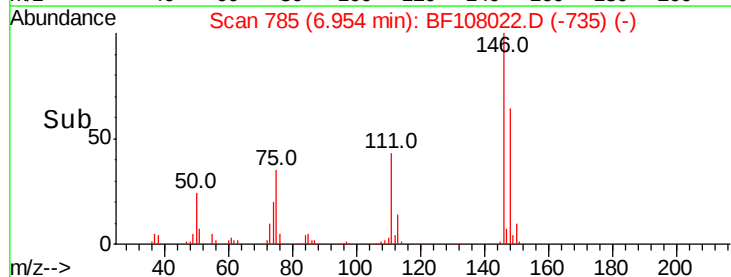
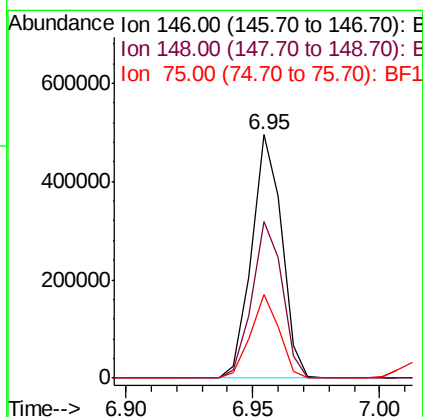
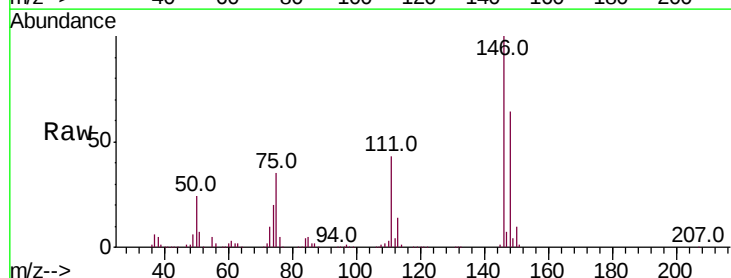
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

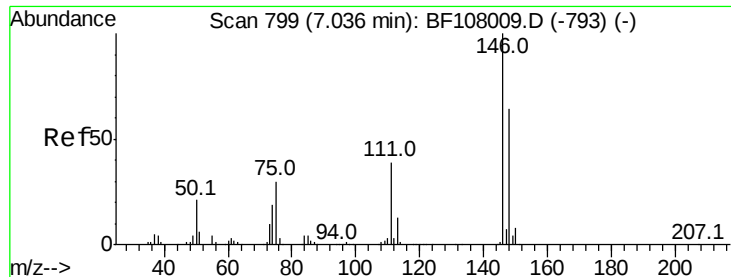
Tot Ion: 93 Resp: 346564
Ion Ratio Lower Upper
93 100
63 86.6 58.6 98.6
95 33.2 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 20.008 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion: 146 Resp: 410891
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
75 34.6 24.2 36.4

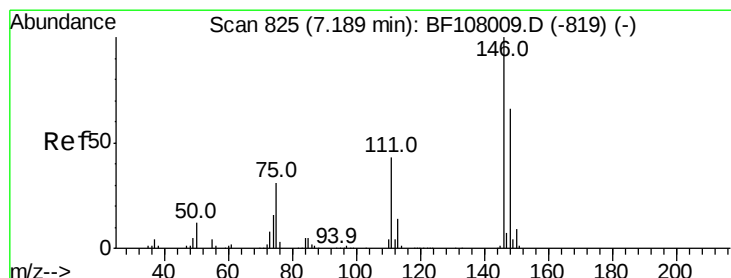
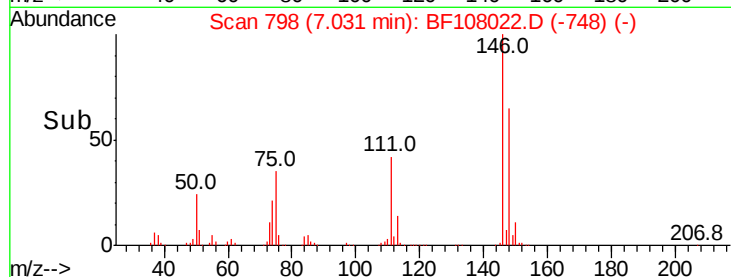
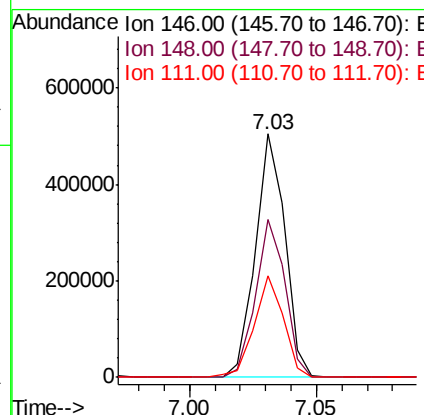
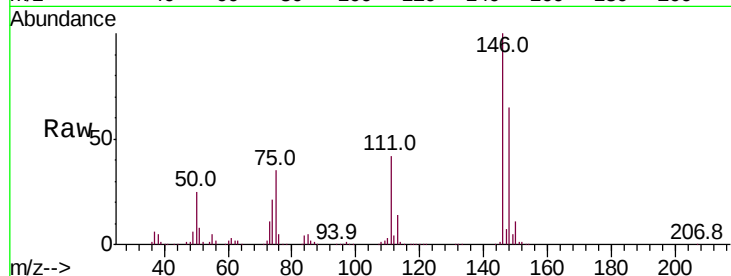




#13
 1,4-Dichlorobenzene
 Concen: 19.976 ng
 RT: 7.03 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

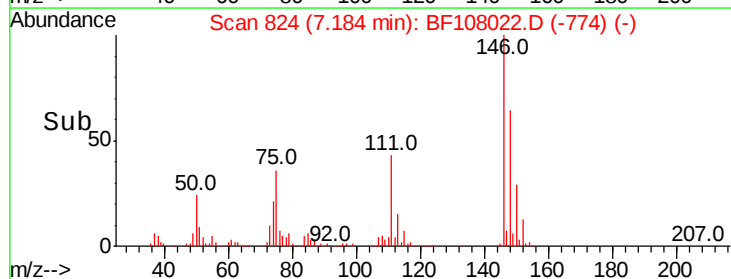
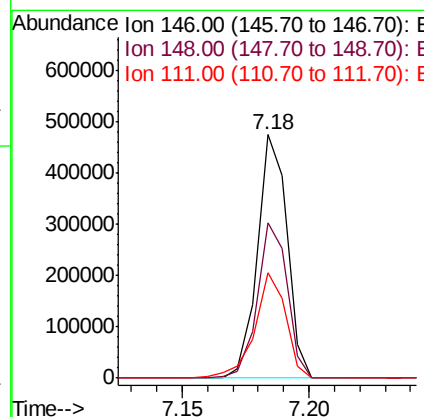
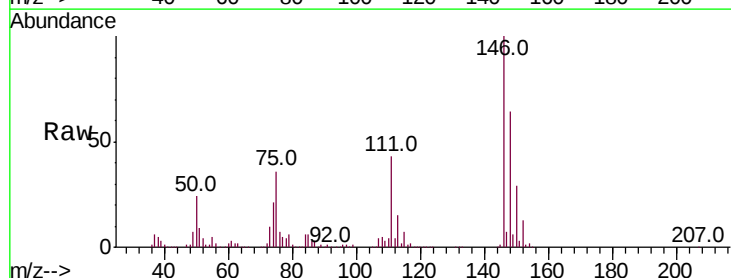
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

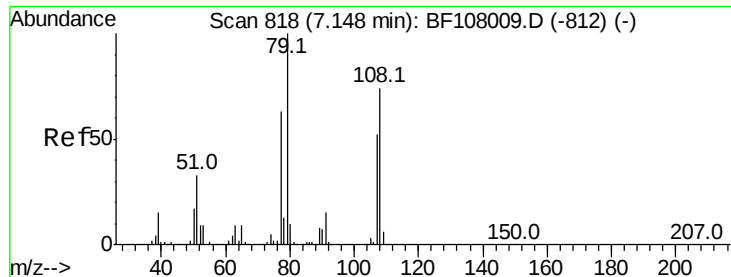
Tot Ion:146 Resp: 412176
 Ion Ratio Lower Upper
 146 100
 148 65.0 50.8 76.2
 111 41.8 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 20.301 ng
 RT: 7.18 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion:146 Resp: 389620
 Ion Ratio Lower Upper
 146 100
 148 63.9 50.6 75.8
 111 43.4 36.0 54.0





#15

Benzyl Alcohol

Concen: 16.957 ng

RT: 7.15 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

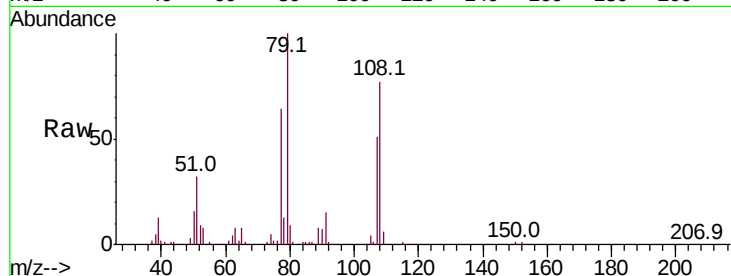
Tot Ion: 79 Resp: 299145

Ion Ratio Lower Upper

79 100

108 77.4 65.1 97.7

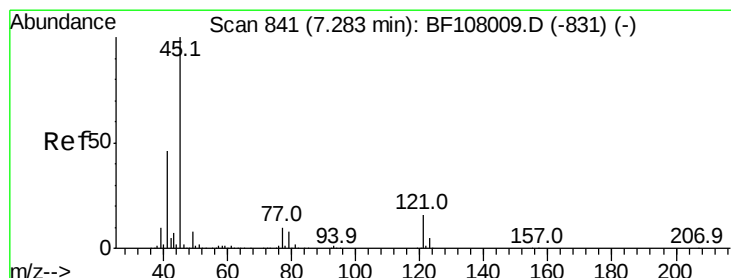
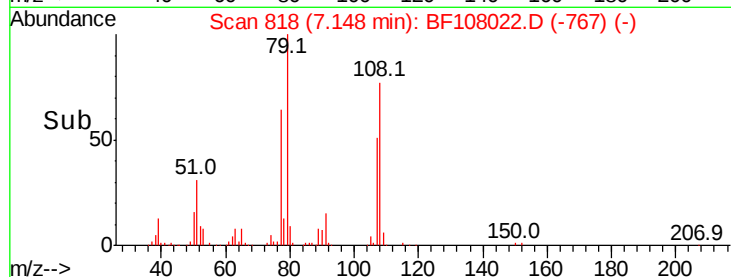
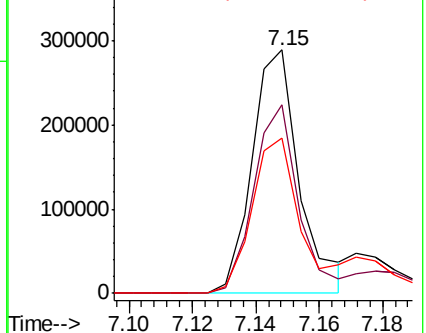
77 63.9 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 20.108 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

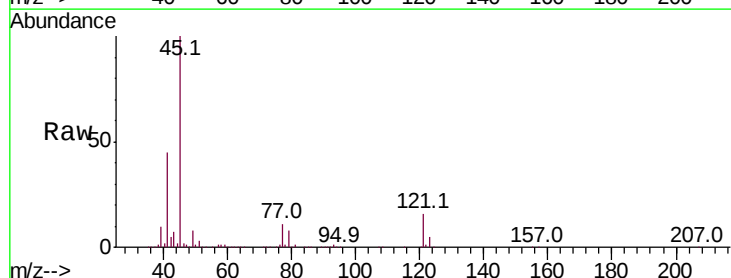
Tgt Ion: 45 Resp: 725946

Ion Ratio Lower Upper

45 100

77 10.6 0.0 32.9

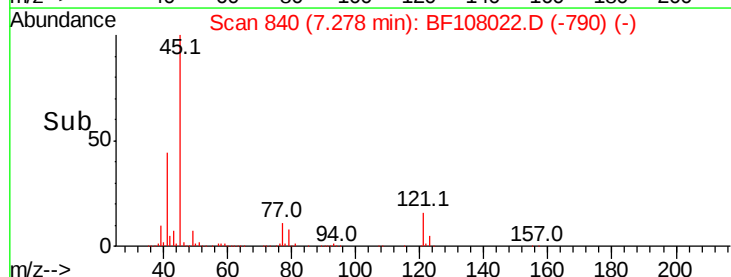
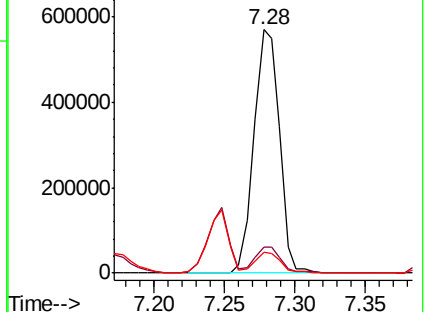
79 8.3 0.0 29.6

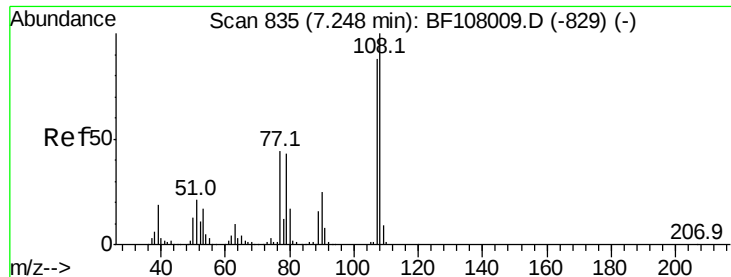


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

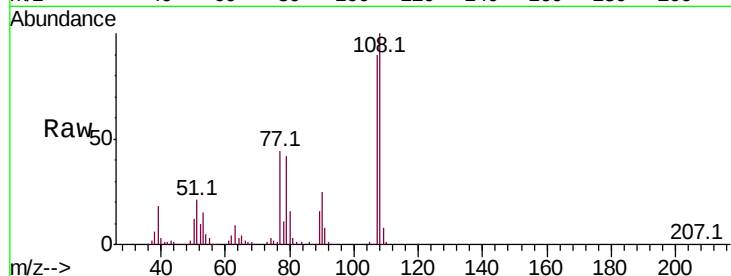




#17
2-Methylphenol
Concen: 20.703 ng
RT: 7.25 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
107	100		
108	110.7	91.7	137.5
77	48.4	33.8	50.8
79	46.7	33.8	50.8



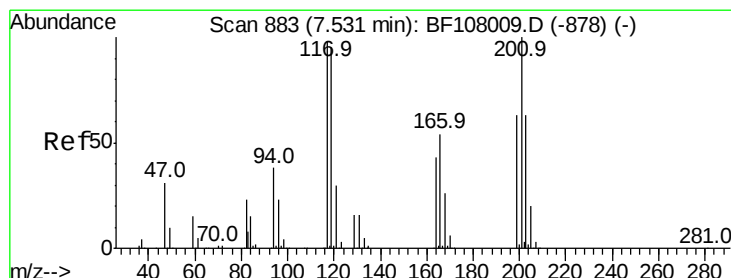
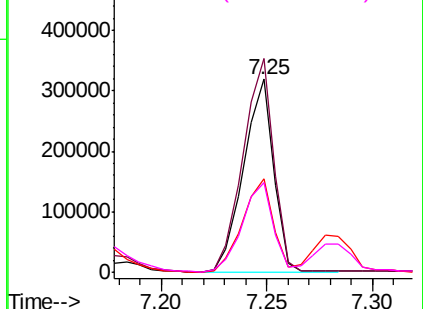
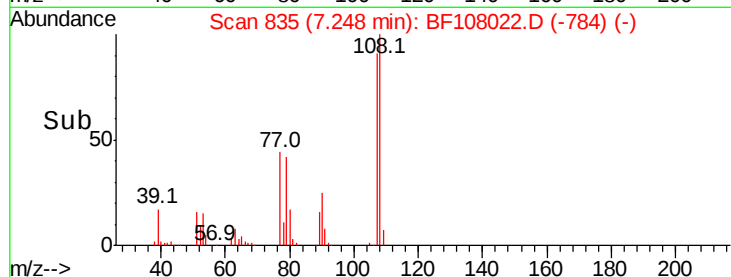
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

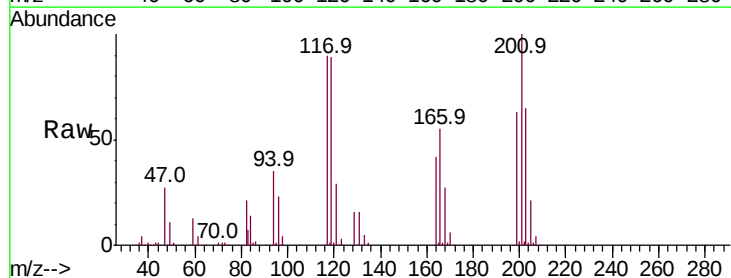
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 19.994 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.8	113.8
201	110.6	75.7	113.5

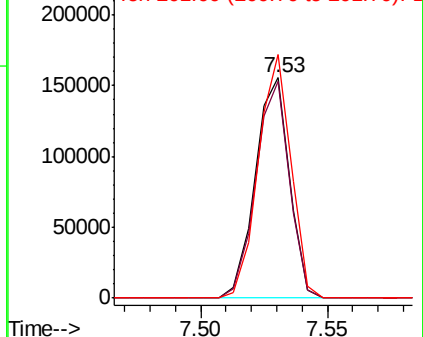
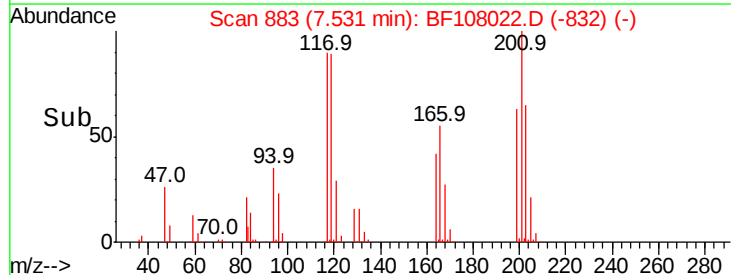


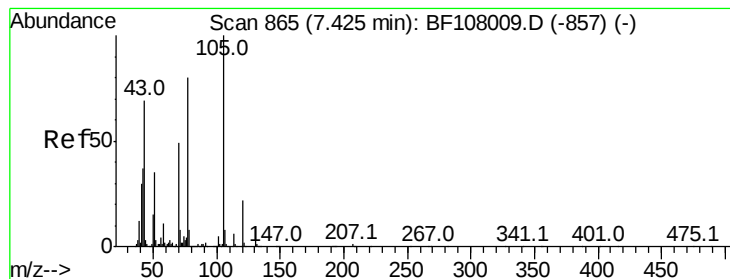
Abundance

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: 20.222 ng

RT: 7.41 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion: 70 Resp: 286570

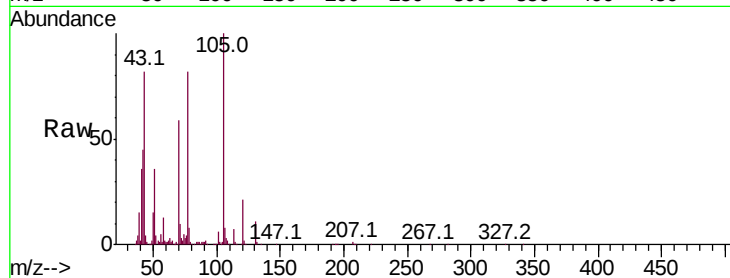
Ion Ratio Lower Upper

70 100

42 76.2 47.5 71.3#

101 9.4 7.4 11.2

130 18.5 16.6 25.0

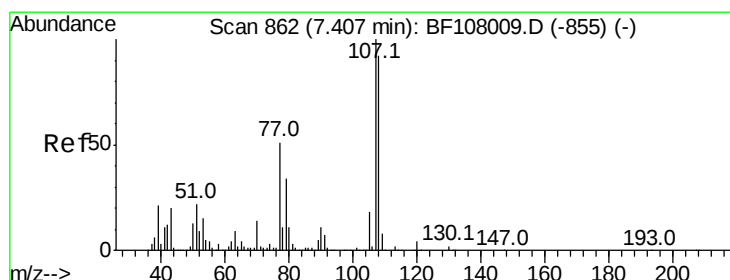
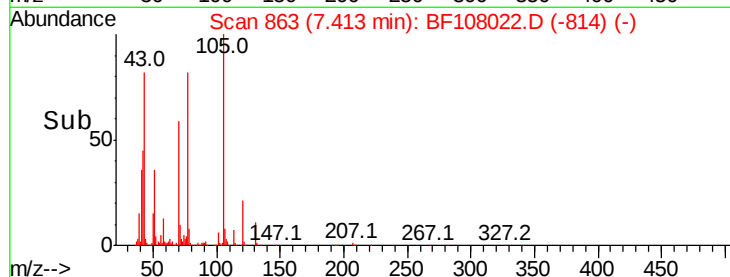
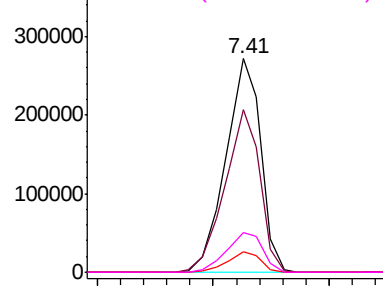


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 21.105 ng

RT: 7.40 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Tgt Ion:107 Resp: 411928

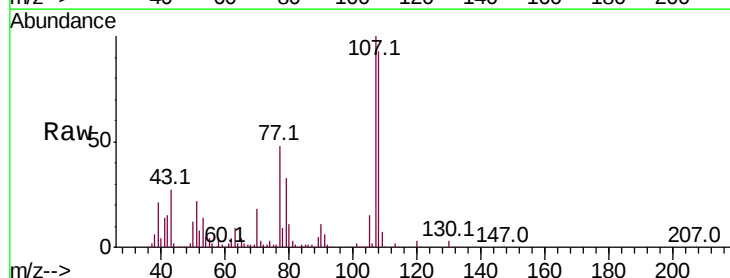
Ion Ratio Lower Upper

107 100

108 92.9 68.2 108.2

77 48.0 26.7 66.7

79 32.7 6.3 46.3

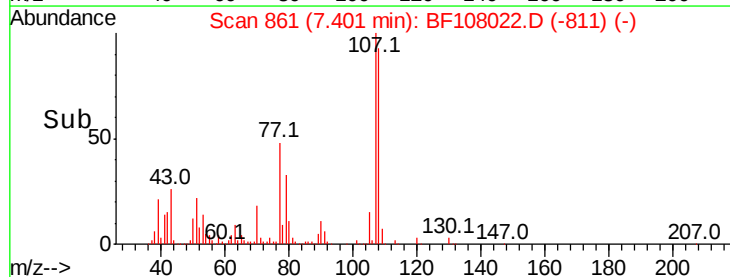
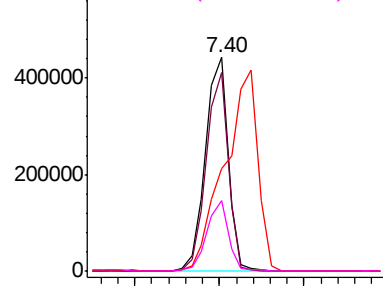


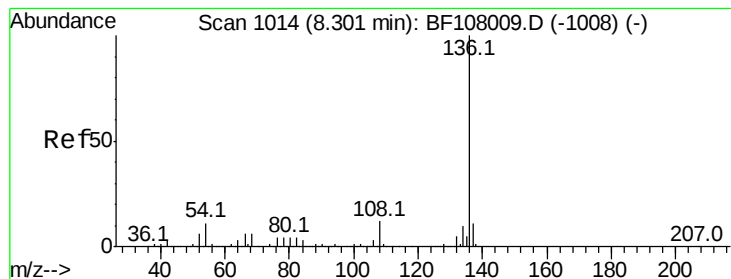
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:136 Resp: 1134880

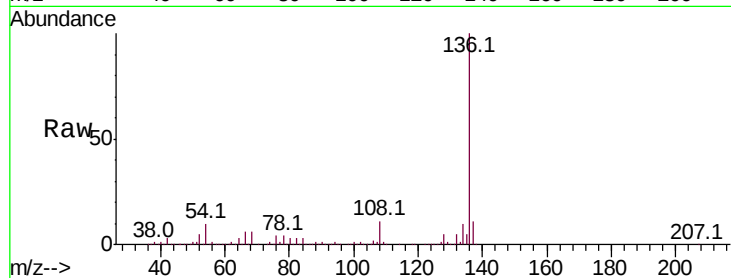
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.8 6.6 9.8

68 5.8 5.0 7.4

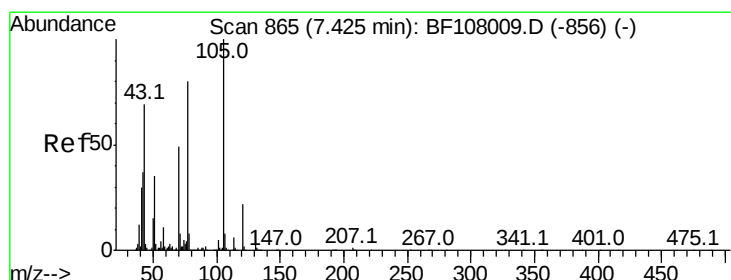
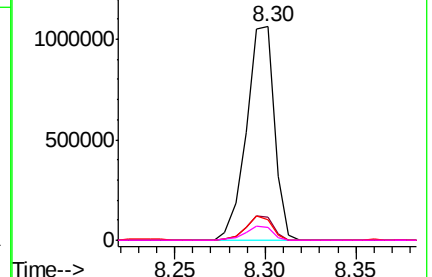
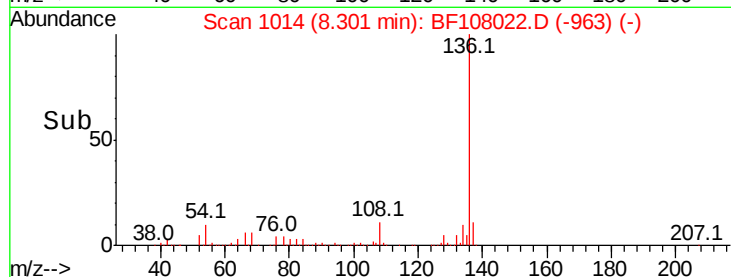


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 20.223 ng

RT: 7.42 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Tgt Ion:105 Resp: 536657

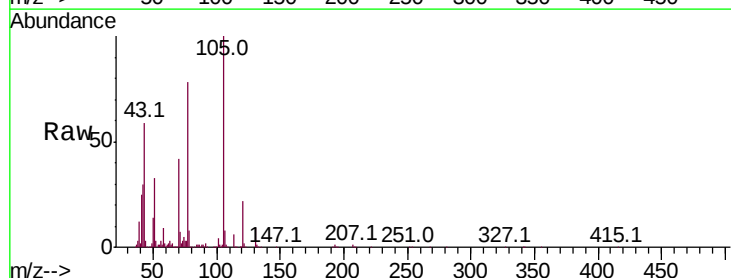
Ion Ratio Lower Upper

105 100

71 6.7 4.4 6.6#

51 33.4 22.3 33.5

120 22.2 16.9 25.3

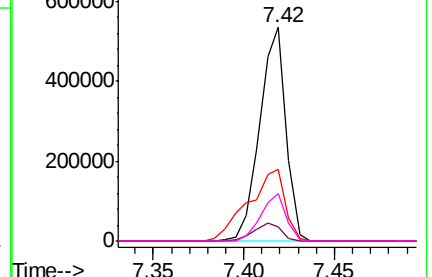
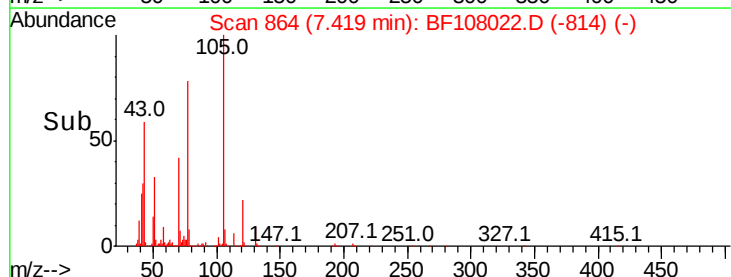


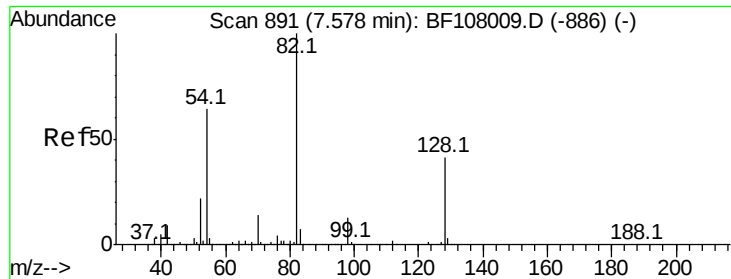
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

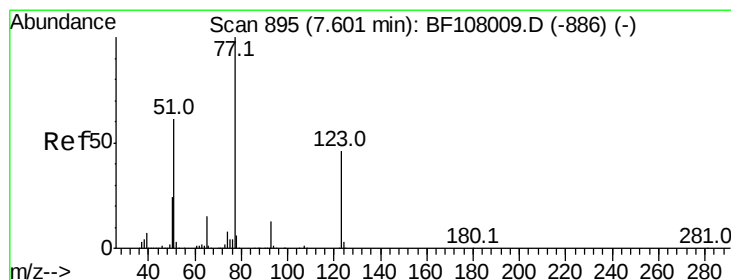
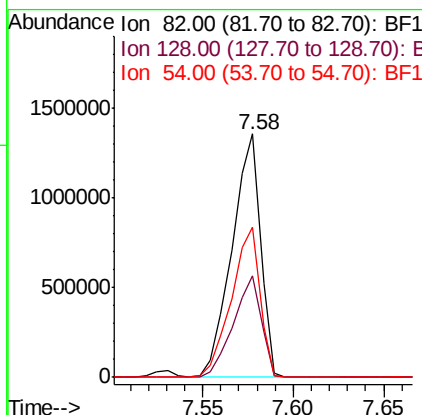
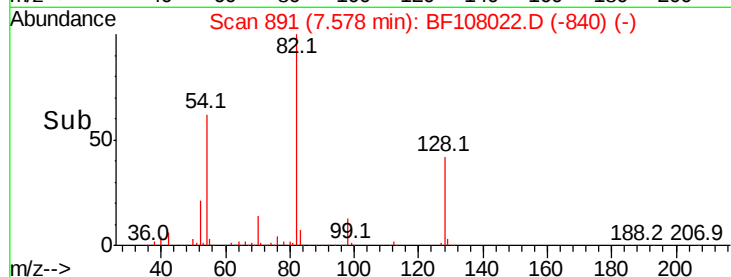
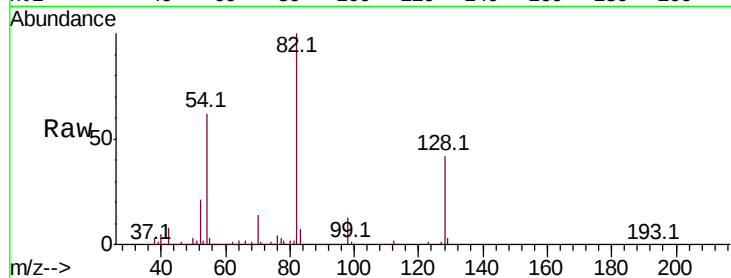




#23
Nitrobenzene-d5
Concen: 73.117 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

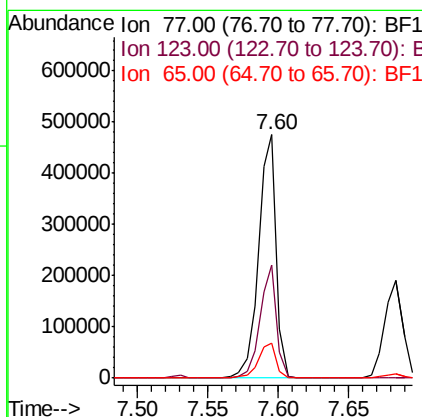
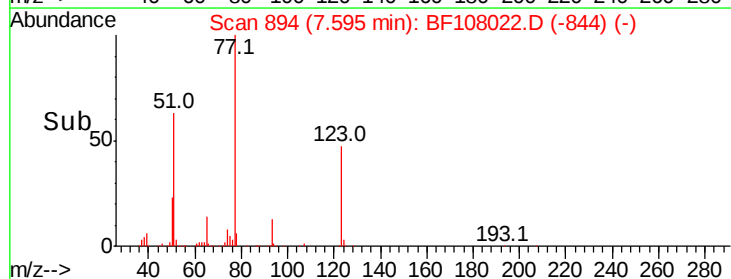
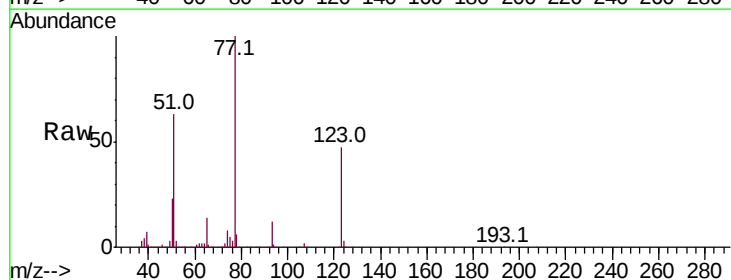
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

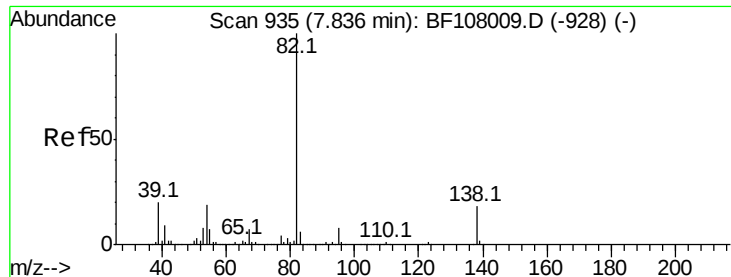
Tot Ion: 82 Resp: 1487045
Ion Ratio Lower Upper
82 100
128 41.7 36.1 54.1
54 61.6 41.4 62.2



#24
Nitrobenzene
Concen: 20.293 ng
RT: 7.60 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion: 77 Resp: 417353
Ion Ratio Lower Upper
77 100
123 46.6 37.9 56.9
65 14.2 11.0 16.4





#25

Isophorone

Concen: 19.729 ng

RT: 7.82 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

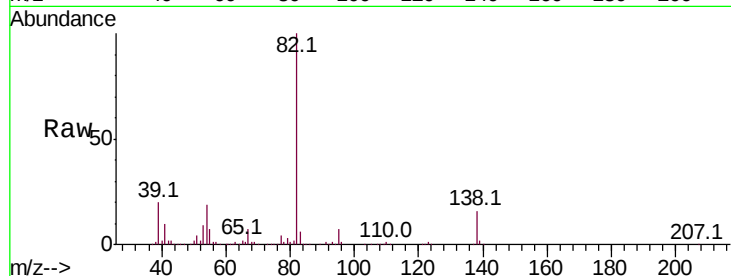
Tot Ion: 82 Resp: 764794

Ion Ratio Lower Upper

82 100

95 7.3 5.2 7.8

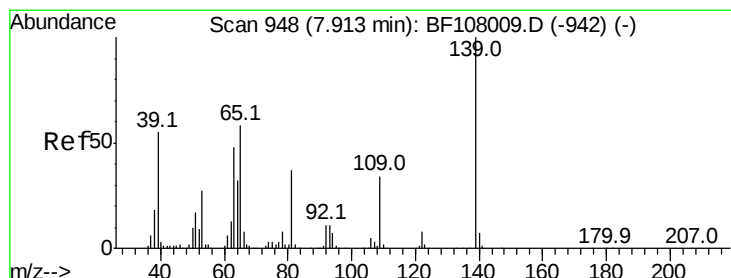
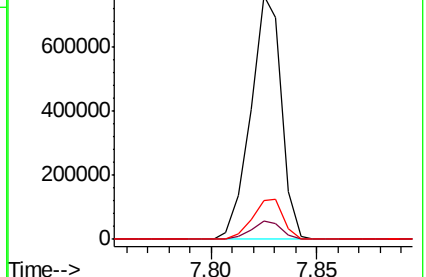
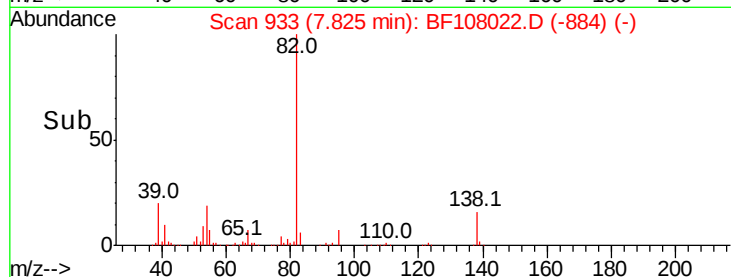
138 16.0 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 19.440 ng

RT: 7.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

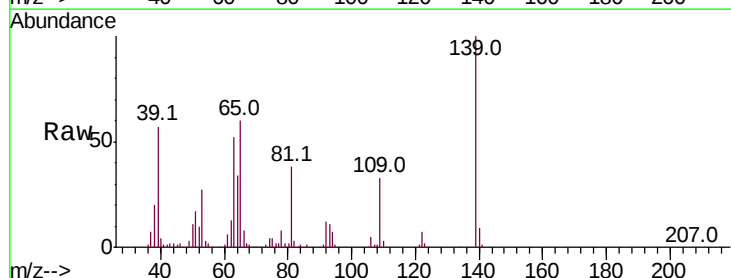
Tgt Ion:139 Resp: 150981

Ion Ratio Lower Upper

139 100

109 33.4 22.7 34.1

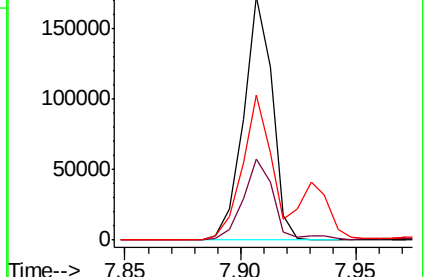
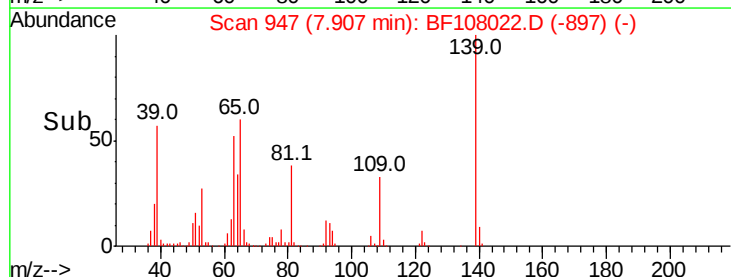
65 59.8 40.5 60.7

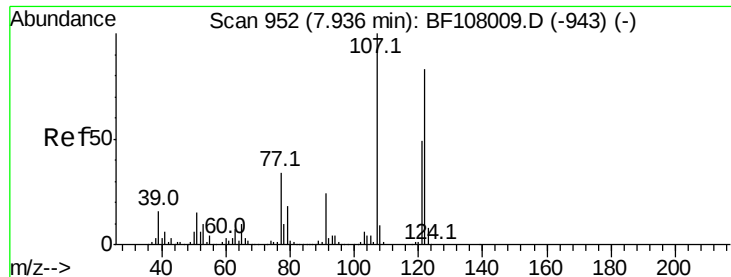


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

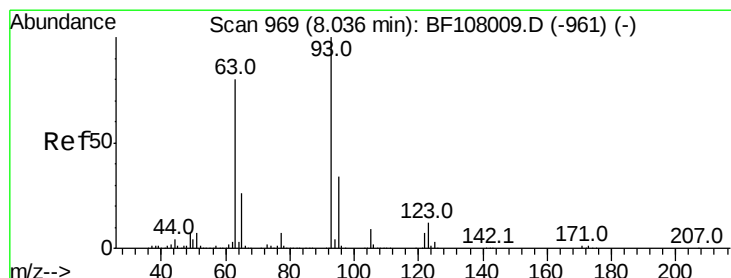
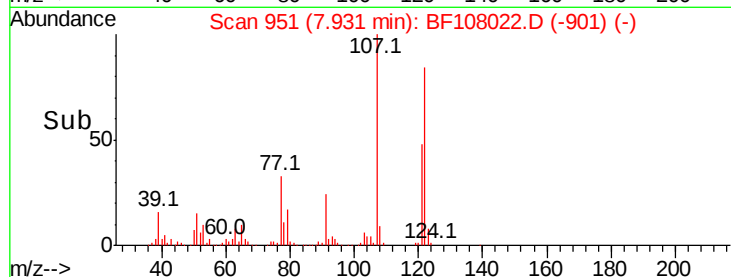
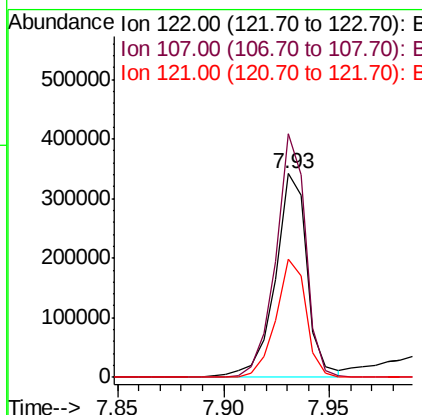
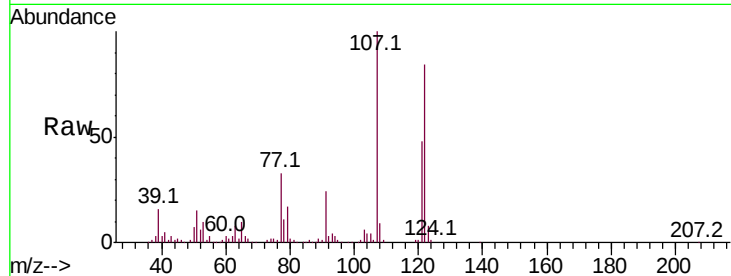




#27
 2,4-Dimethylphenol
 Concen: 20.937 ng
 RT: 7.93 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

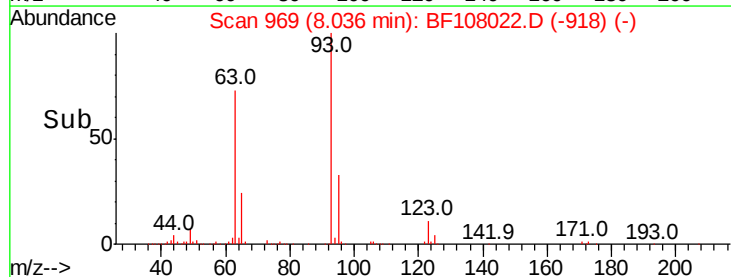
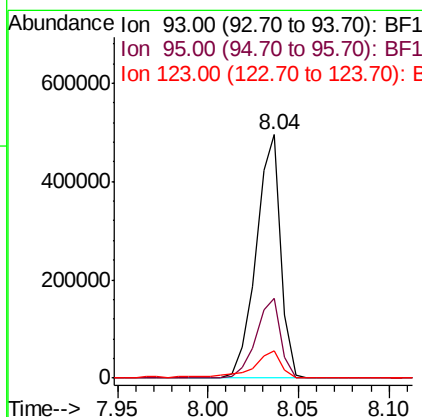
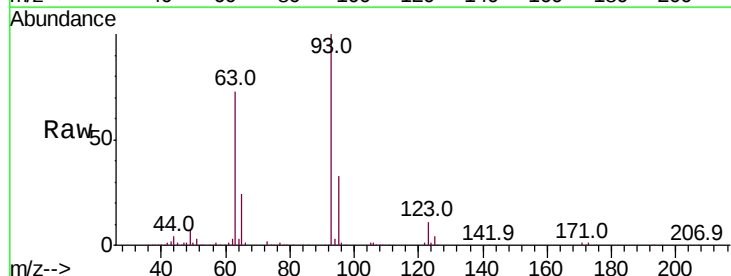
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

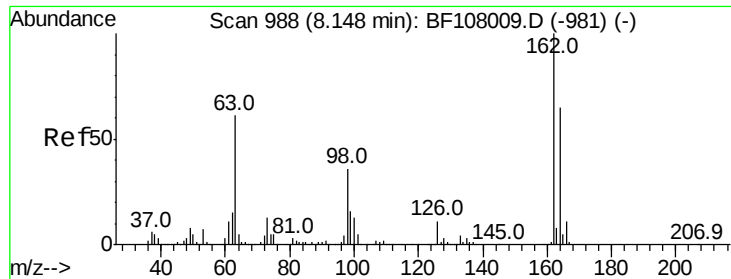
Tot Ion:122 Resp: 360220
 Ion Ratio Lower Upper
 122 100
 107 119.5 91.2 136.8
 121 57.7 47.2 70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 20.417 ng
 RT: 8.04 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion: 93 Resp: 462032
 Ion Ratio Lower Upper
 93 100
 95 32.8 26.3 39.5
 123 11.1 9.8 14.6

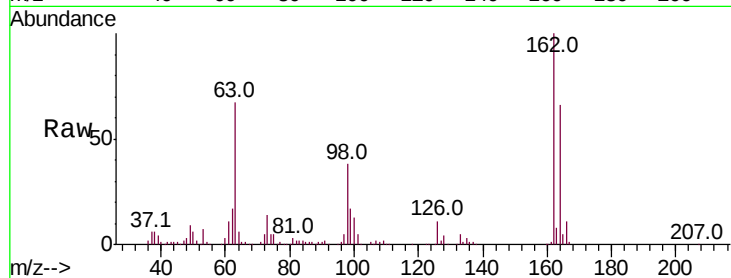




#29
2,4-Dichlorophenol
Concen: 20.550 ng
RT: 8.14 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.9	42.7	82.7
98	38.4	18.1	58.1

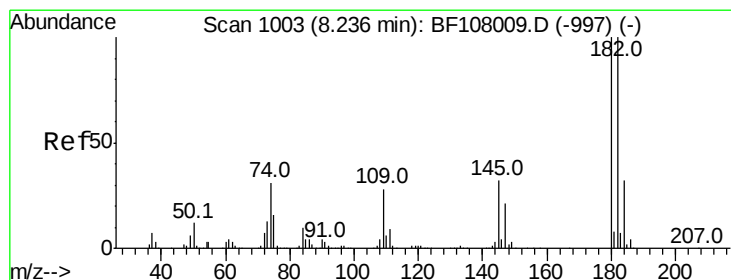
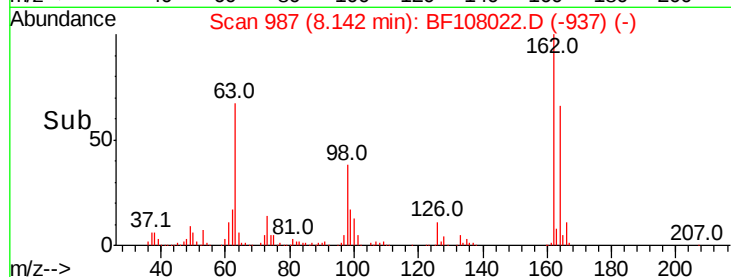
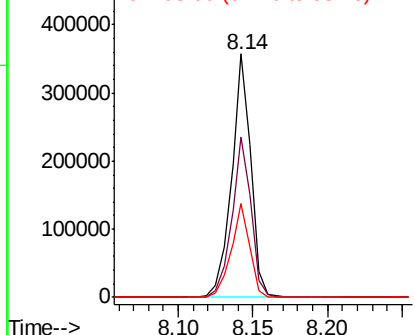


Abundance

Ion 162.00 (161.70 to 162.70): E

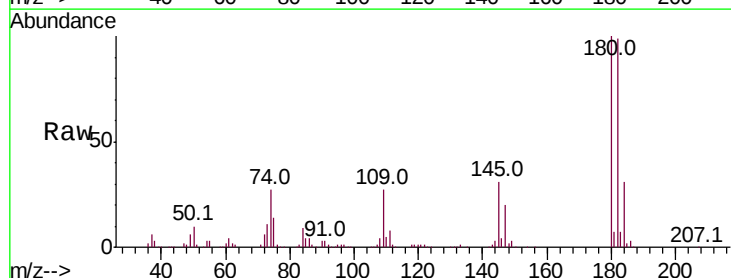
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 19.867 ng
RT: 8.24 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	76.8	115.2
145	30.8	26.5	39.7

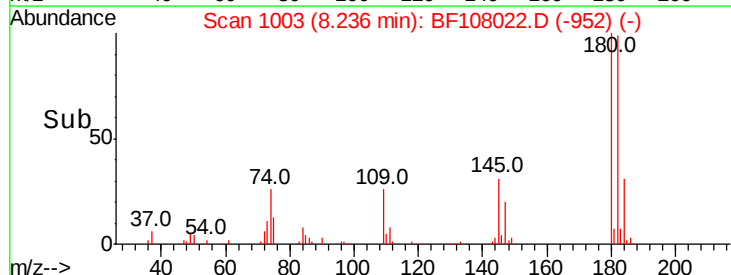
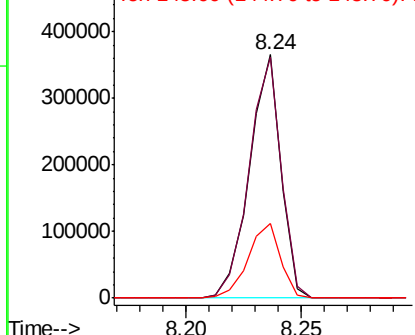


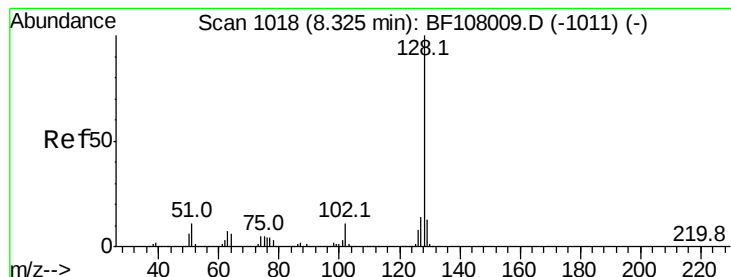
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 20.999 ng

RT: 8.32 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

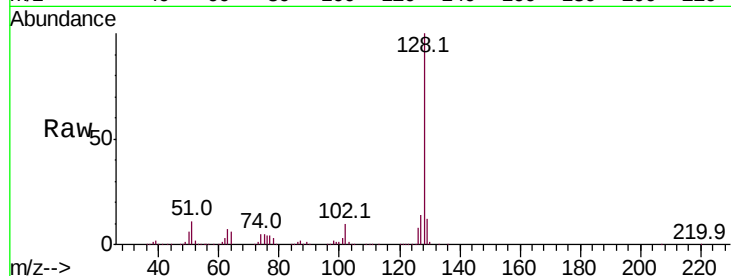
Tot Ion:128 Resp: 1083801

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

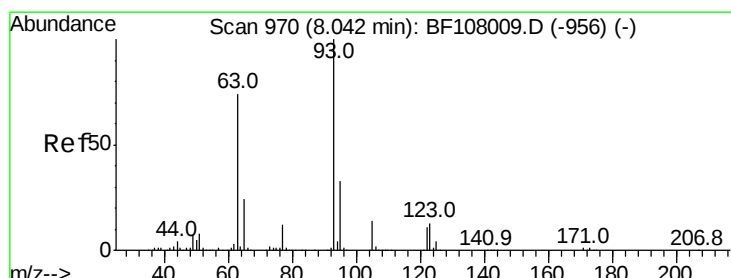
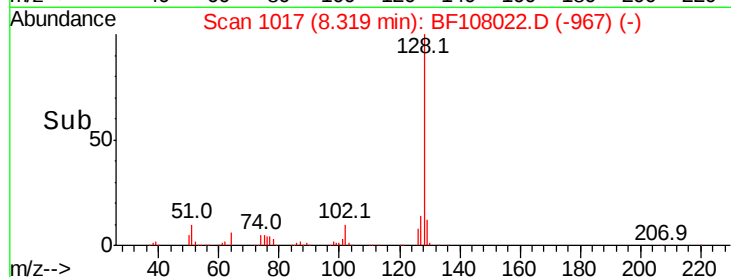
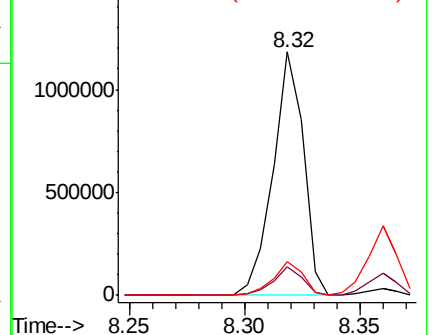
127 13.7 10.9 16.3



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: 18.641 ng

RT: 8.01 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

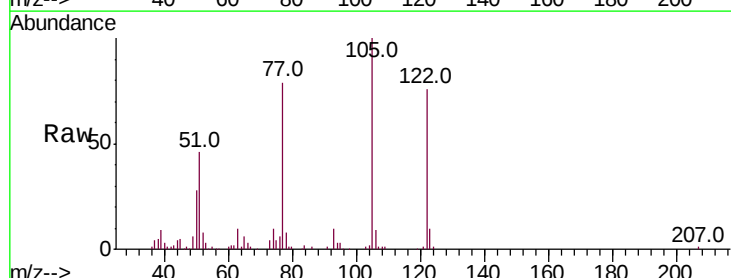
Tgt Ion:122 Resp: 144444

Ion Ratio Lower Upper

122 100

105 132.2 101.1 141.1

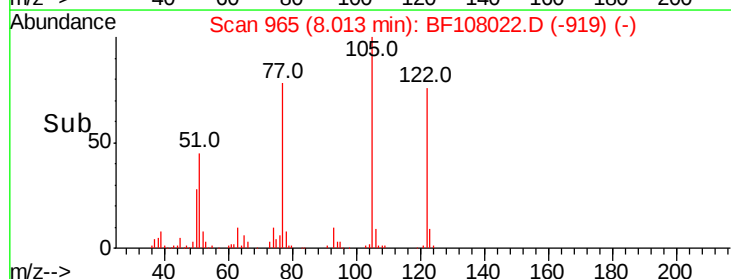
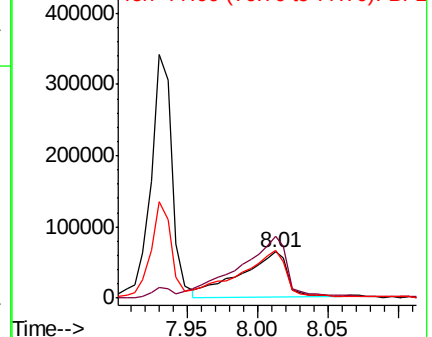
77 104.2 70.7 110.7

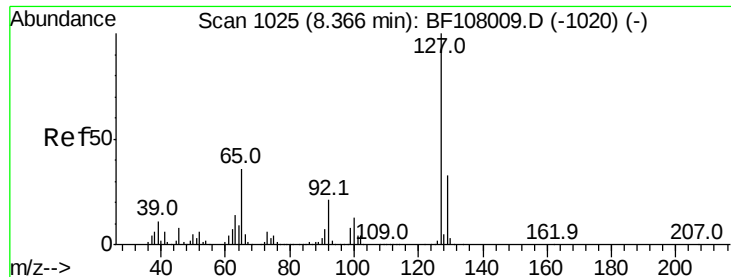


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

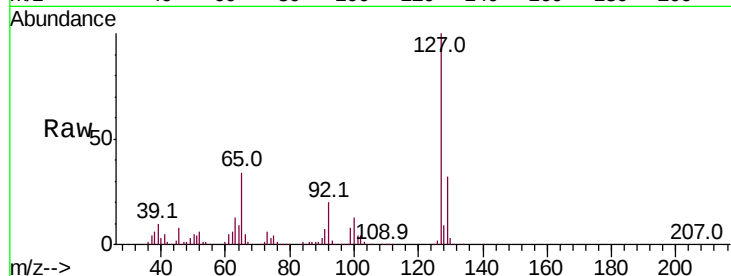




#33
4-Chloroaniline
Concen: 13.153 ng
RT: 8.36 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:	127	Resp:	295849
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	34.2	25.0	37.4
92	20.2	15.2	22.8



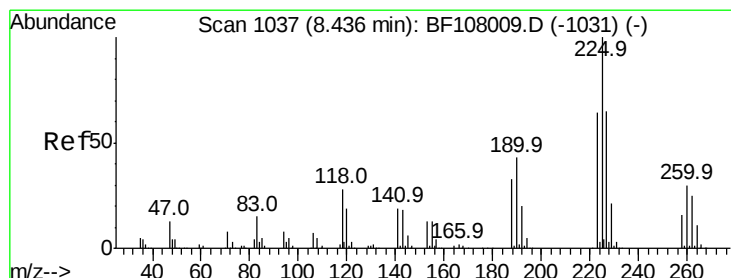
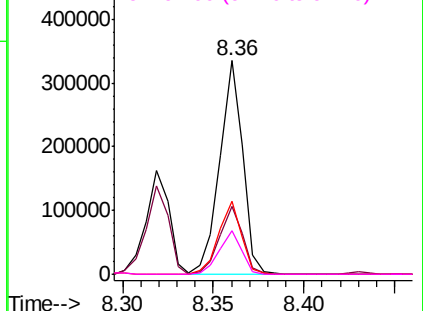
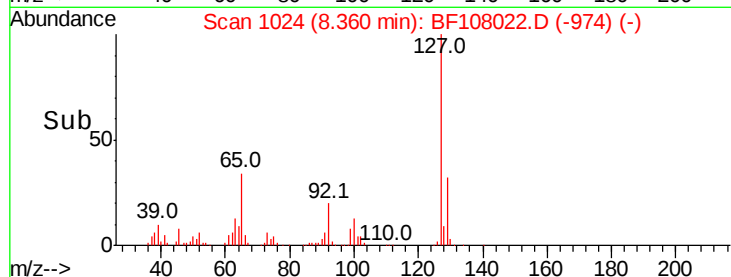
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

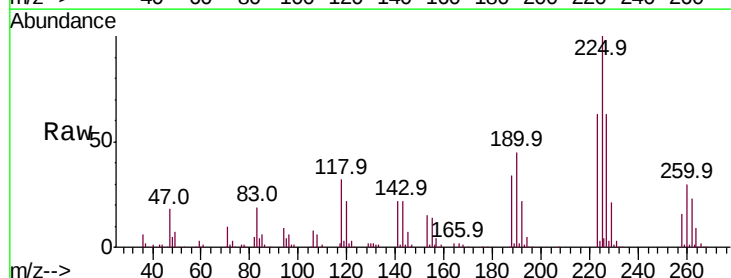
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 20.198 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion:	225	Resp:	223201
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	63.1	51.9	77.9

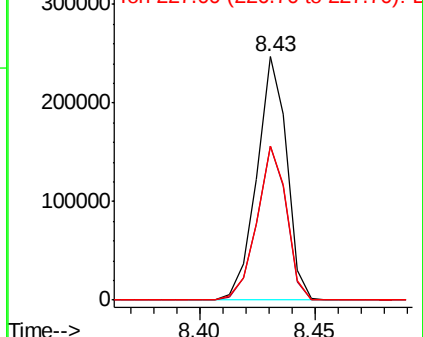
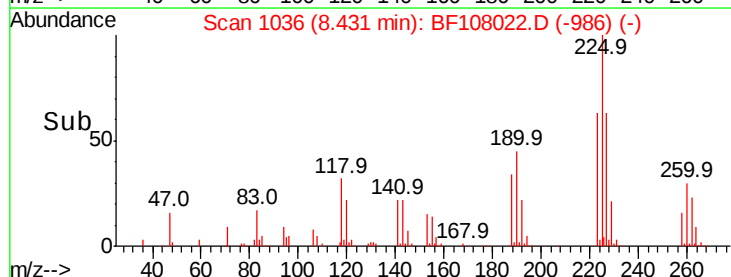


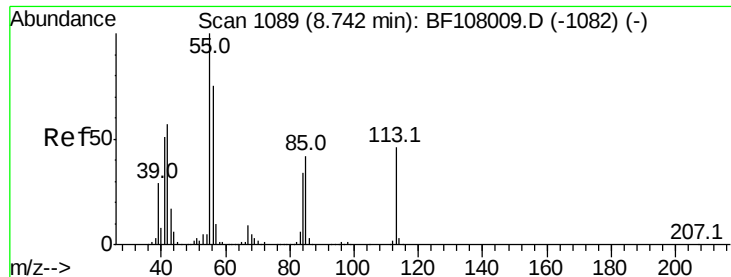
Abundance

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: 20.407 ng

RT: 8.71 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

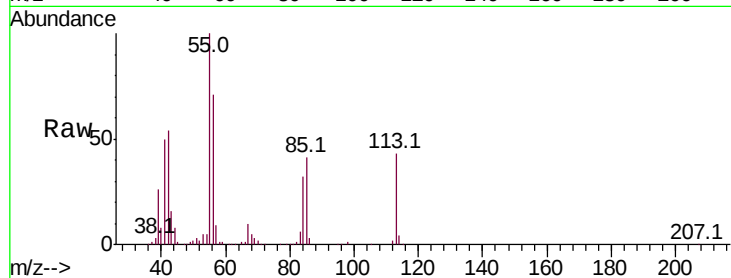
Tot Ion:113 Resp: 101251

Ion Ratio Lower Upper

113 100

55 231.0 163.3 203.3#

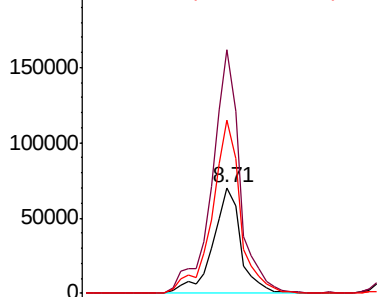
56 164.2 115.7 155.7#



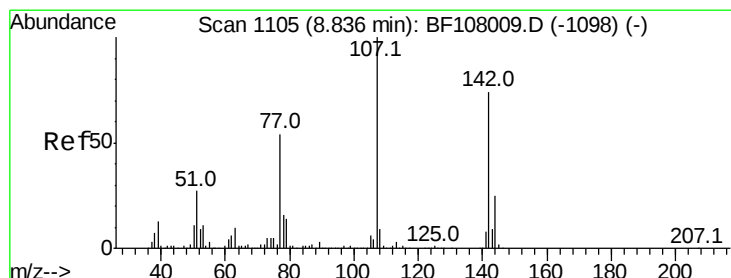
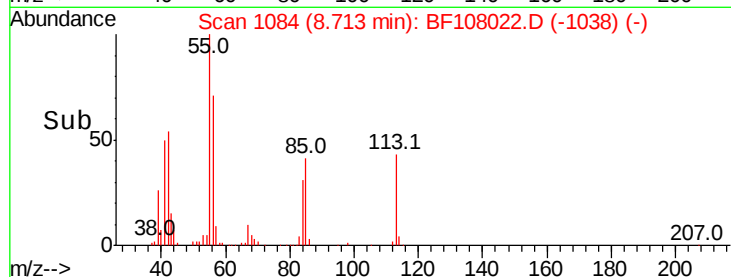
Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



Time-->



#36

4-Chloro-3-methylphenol

Concen: 20.547 ng

RT: 8.83 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

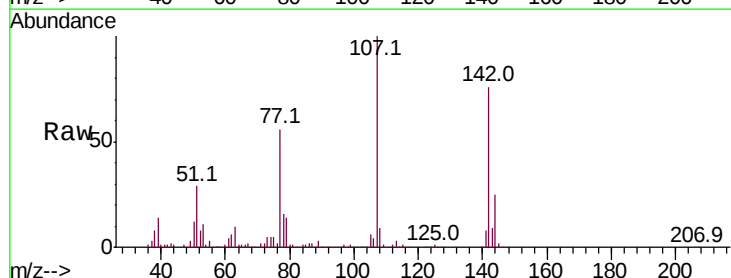
Tgt Ion:107 Resp: 350955

Ion Ratio Lower Upper

107 100

144 25.3 20.5 30.7

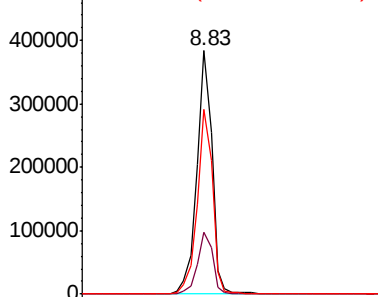
142 76.0 62.0 93.0



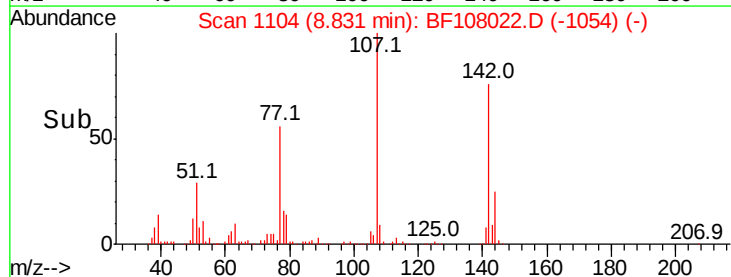
Abundance Ion 107.00 (106.70 to 107.70): E

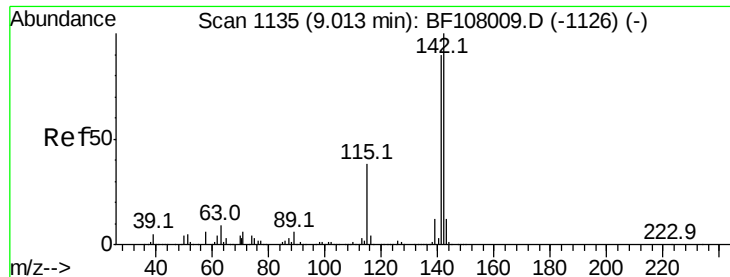
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



Time-->

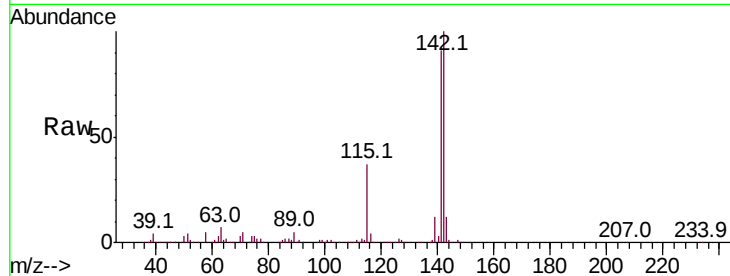




#37
2-Methylnaphthalene
Concen: 21.069 ng
RT: 9.01 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.8	106.2
115	36.6	26.1	39.1

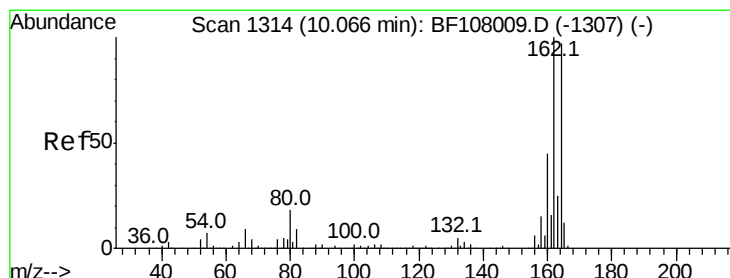
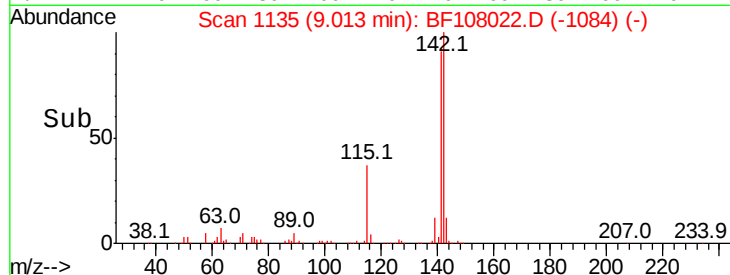
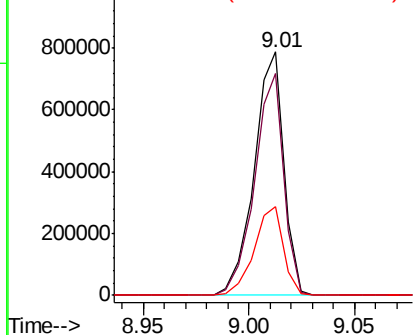


Abundance

Ion 142.00 (141.70 to 142.70): E

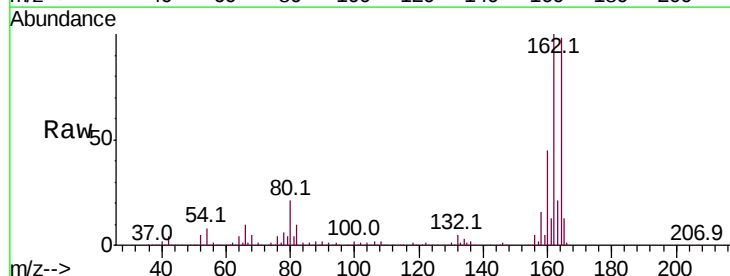
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	45.8	38.3	57.5

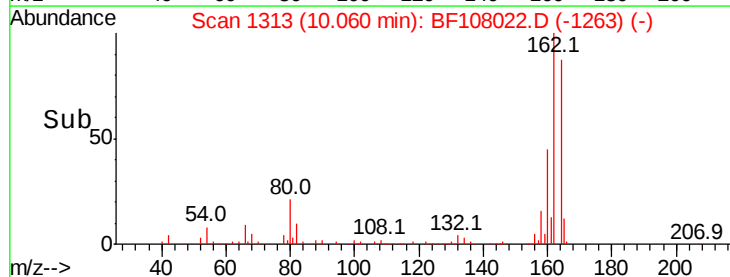
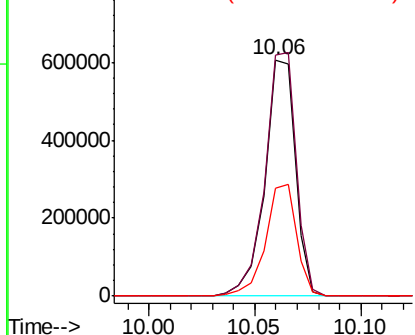


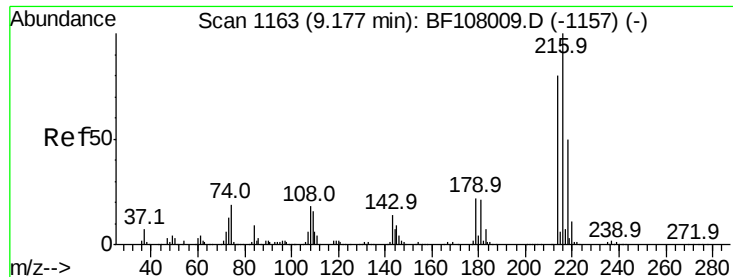
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

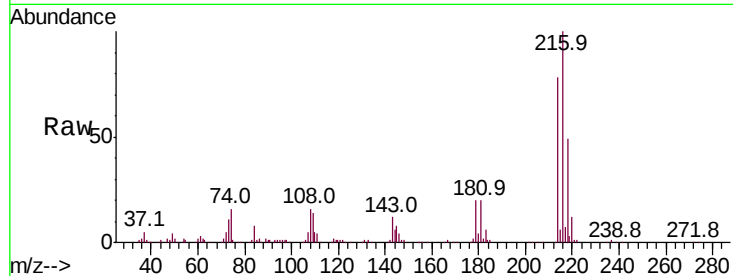




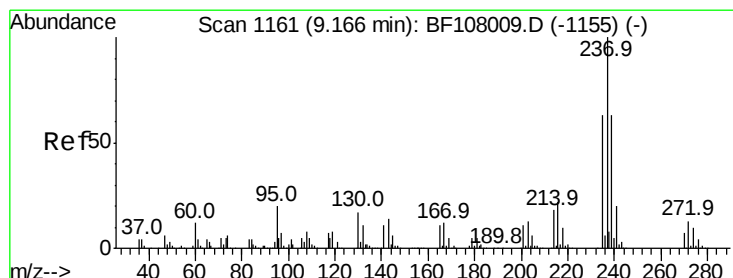
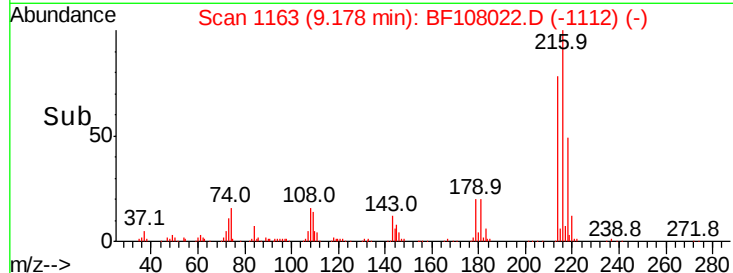
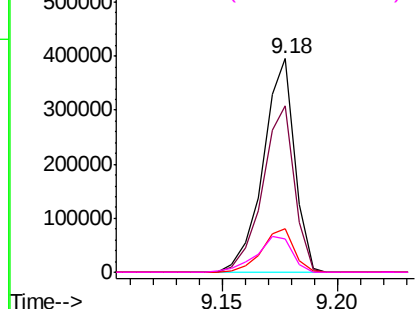
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 20.020 ng
 RT: 9.18 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:	216	Resp:	376372
Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	20.6	18.1	27.1
108	19.4	17.2	25.8

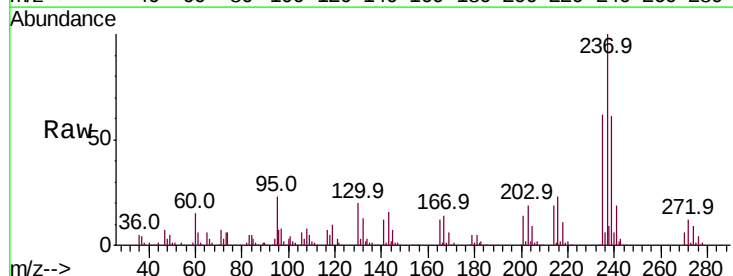


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

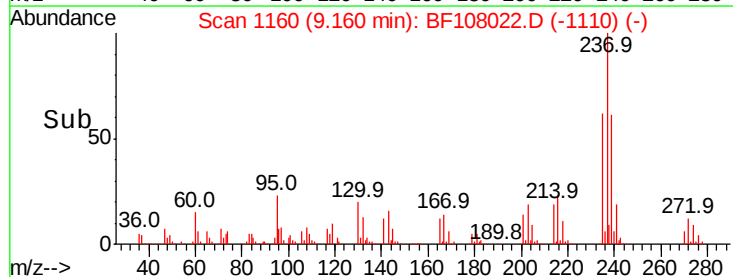
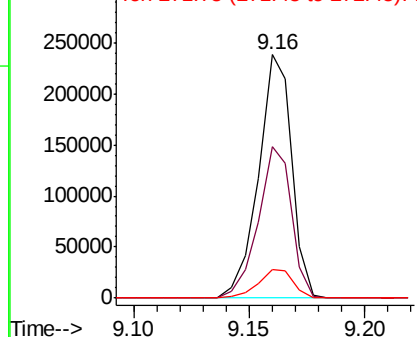


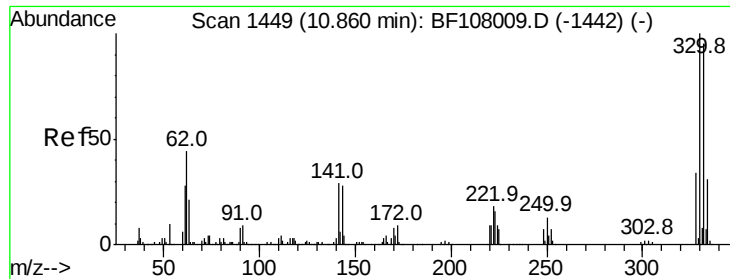
#40
 Hexachlorocyclopentadiene
 Concen: 19.643 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion:	237	Resp:	238520
Ion	Ratio	Lower	Upper
237	100		
235	62.2	44.8	84.8
272	11.9	0.0	33.3



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

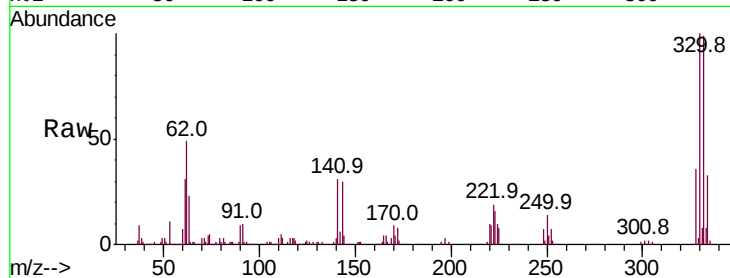




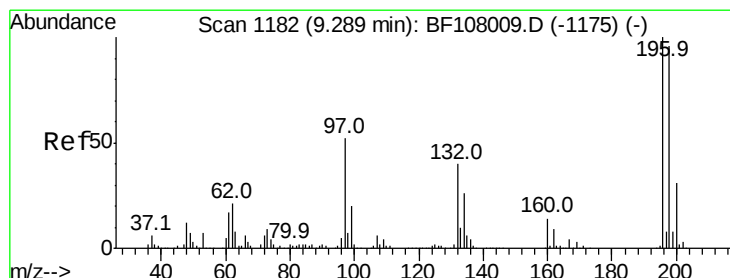
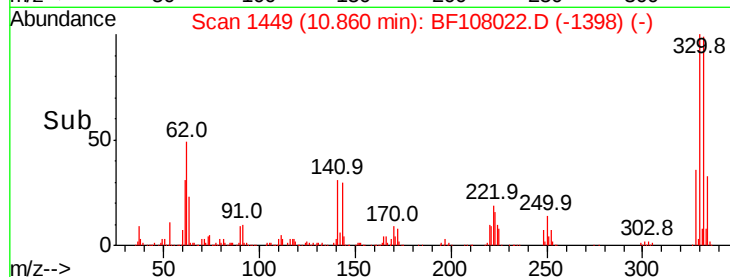
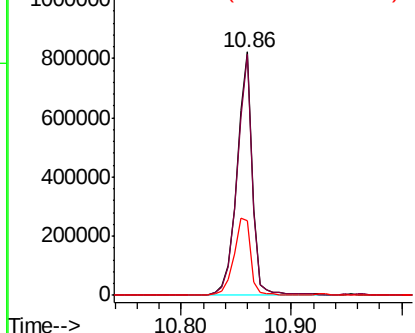
#41
 2,4,6-Tribromophenol
 Concen: 132.486 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	35.2	29.9	44.9

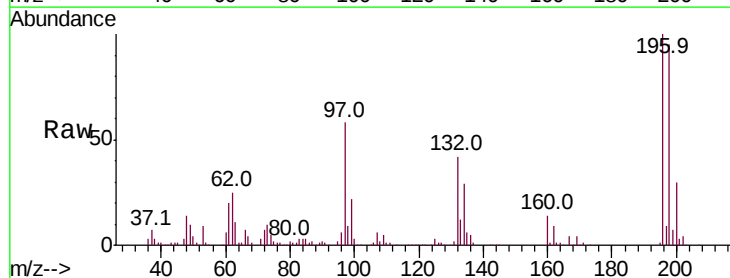


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

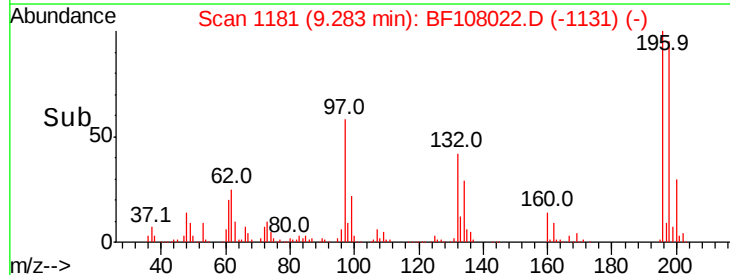
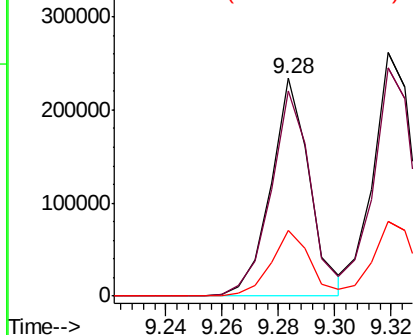


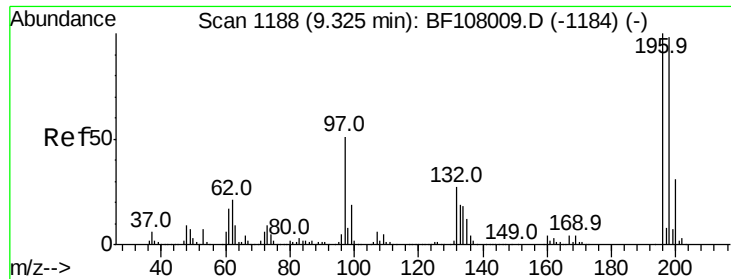
#42
 2,4,6-Trichlorophenol
 Concen: 19.123 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.7	113.5
200	30.3	24.5	36.7



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

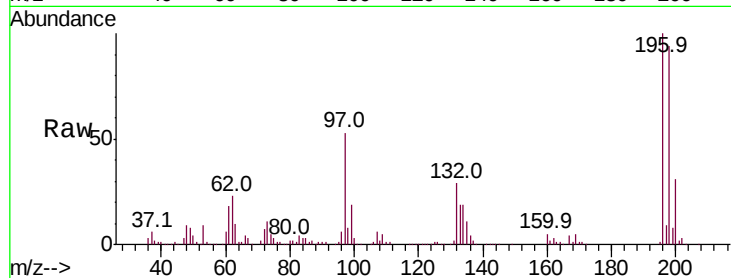




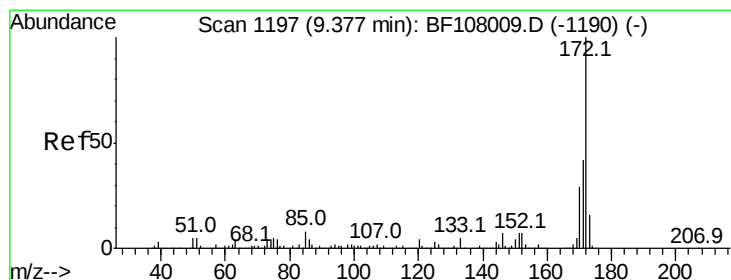
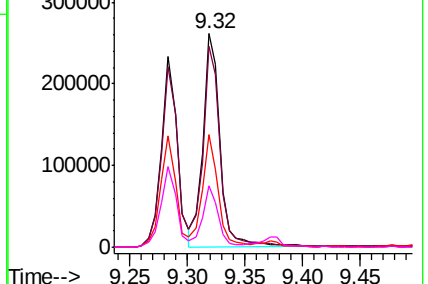
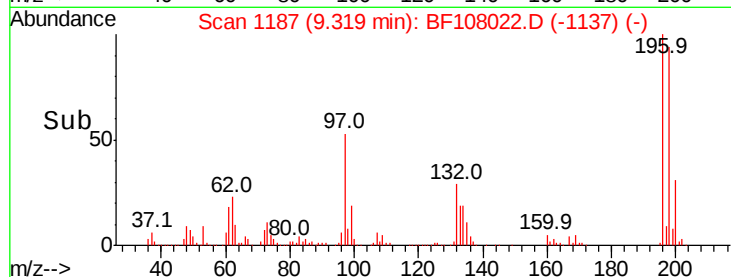
#43
 2,4,5-Trichlorophenol
 Concen: 21.161 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:196 Resp: 271753
 Ion Ratio Lower Upper
 196 100
 198 94.0 74.6 112.0
 97 53.0 42.9 64.3
 132 28.5 26.3 39.5

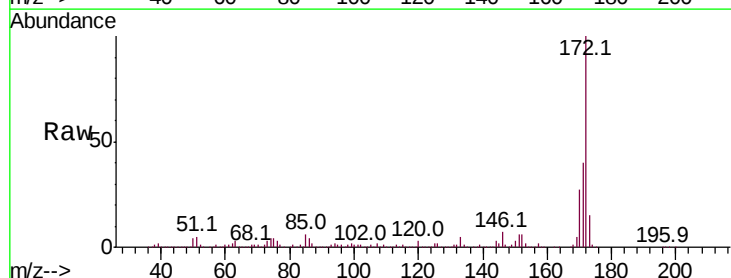


Abundance Ion 196.00 (195.70 to 196.70): E
 400000 Ion 198.00 (197.70 to 198.70): E
 300000 Ion 97.00 (96.70 to 97.70): BF1
 200000 Ion 132.00 (131.70 to 132.70): E
 100000
 0

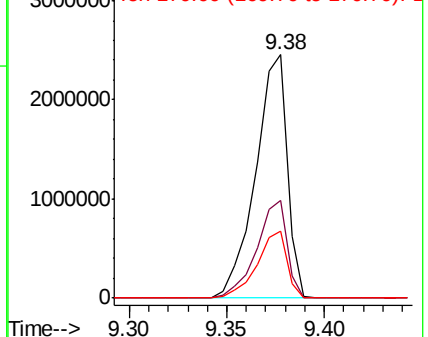
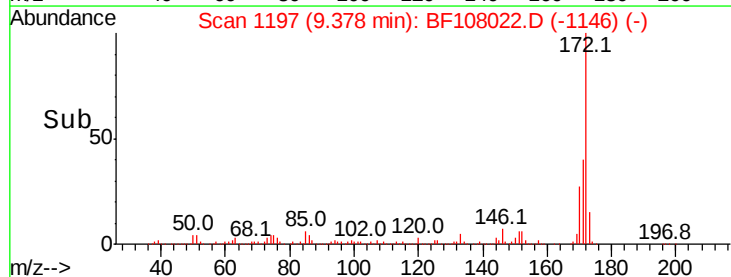


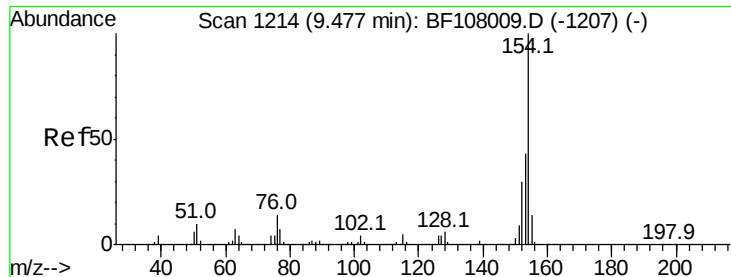
#44
 2-Fluorobiphenyl
 Concen: 72.648 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion:172 Resp: 2770166
 Ion Ratio Lower Upper
 172 100
 171 39.9 29.7 44.5
 170 27.4 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 3000000 Ion 171.00 (170.70 to 171.70): E
 2000000 Ion 170.00 (169.70 to 170.70): E
 1000000
 0





#45

1,1'-Biphenyl

Concen: 20.685 ng

RT: 9.48 min Scan# 1214

Delta R.T. 0.00 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

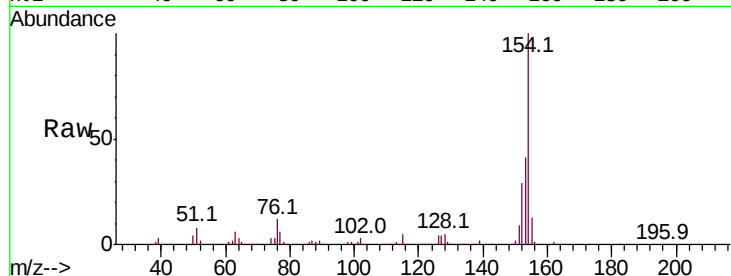
Tot Ion:154 Resp: 933636

Ion Ratio Lower Upper

154 100

153 40.9 21.3 61.3

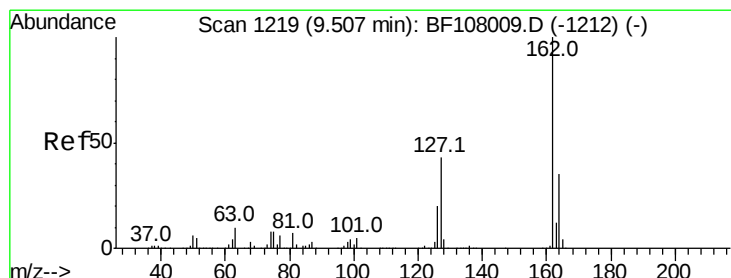
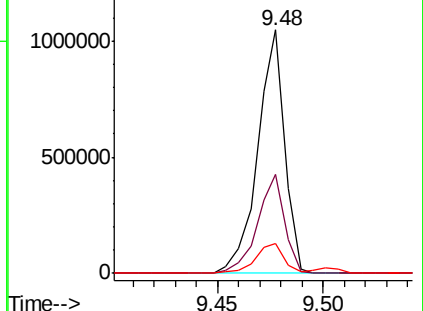
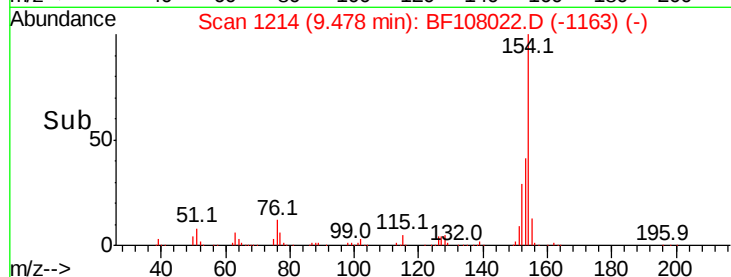
76 12.1 0.0 34.0



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): BF1



#46

2-Chloronaphthalene

Concen: 20.546 ng

RT: 9.51 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

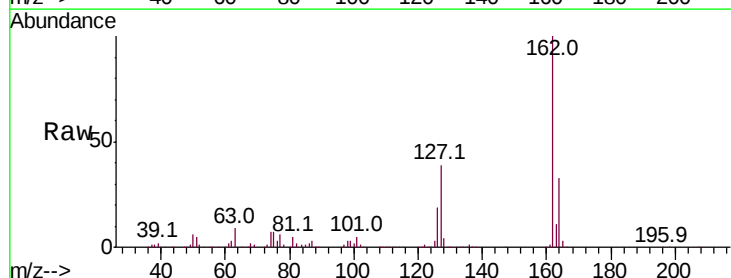
Tgt Ion:162 Resp: 732965

Ion Ratio Lower Upper

162 100

127 38.5 33.9 50.9

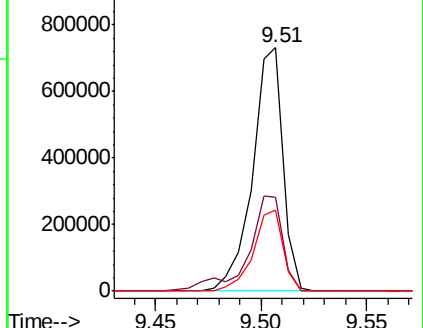
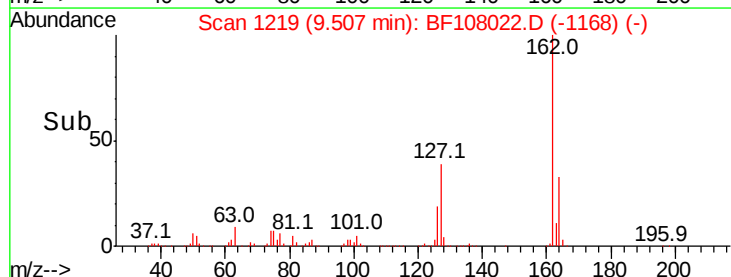
164 33.2 26.5 39.7

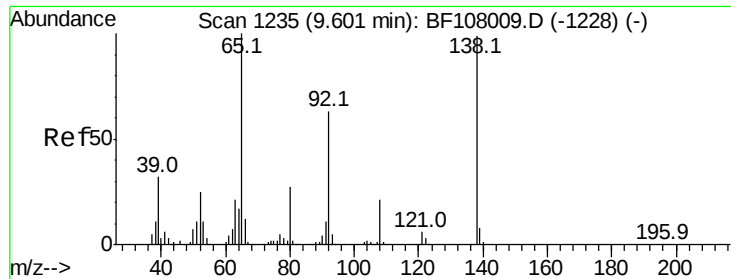


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

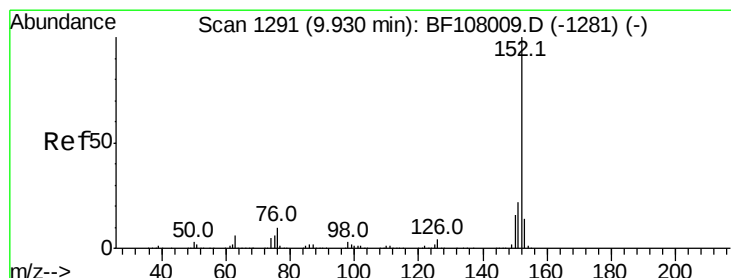
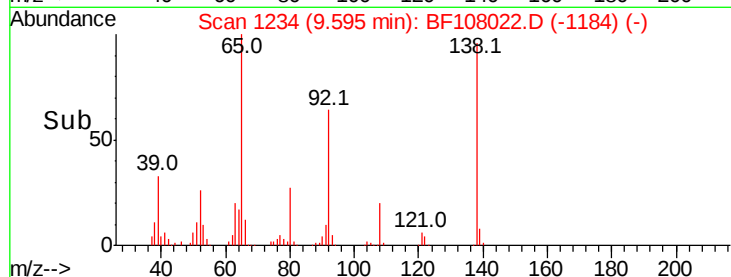
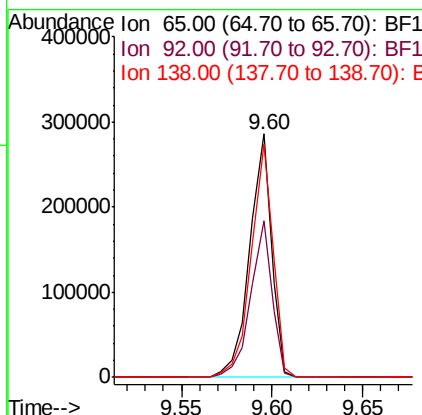
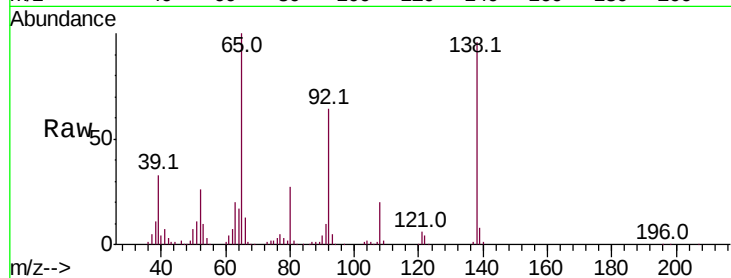




#47
2-Nitroaniline
Concen: 20.854 ng
RT: 9.60 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

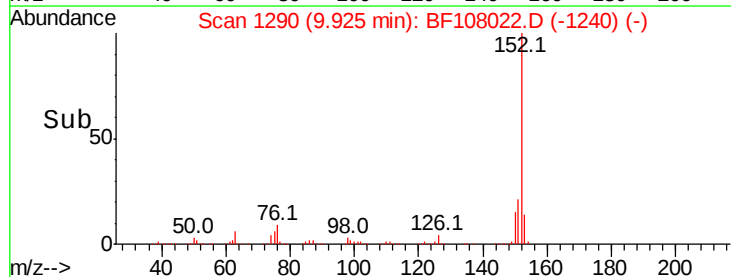
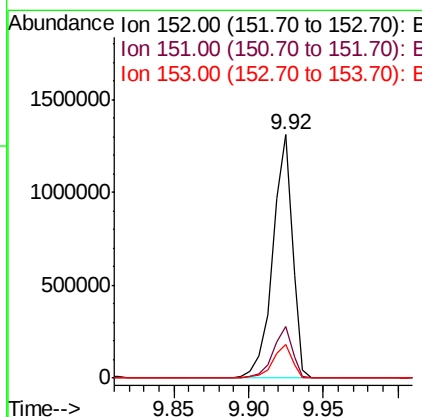
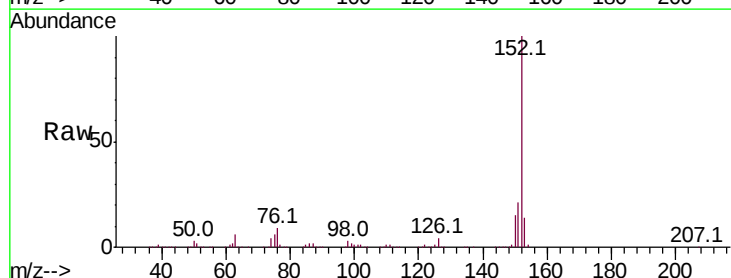
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

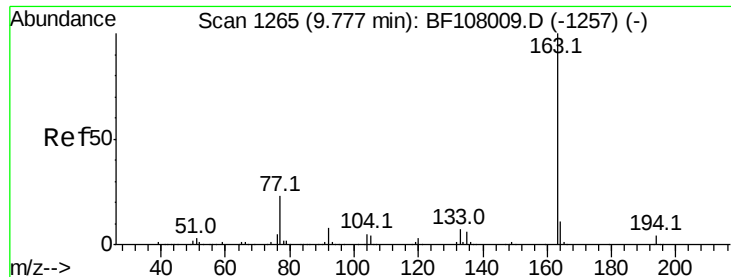
Tot Ion: 65 Resp: 240715
Ion Ratio Lower Upper
65 100
92 64.2 55.8 83.6
138 95.7 91.2 136.8



#48
Acenaphthylene
Concen: 21.217 ng
RT: 9.92 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion: 152 Resp: 1196587
Ion Ratio Lower Upper
152 100
151 21.0 16.3 24.5
153 13.6 10.7 16.1

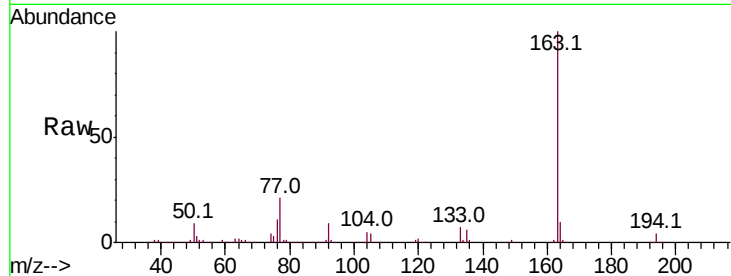




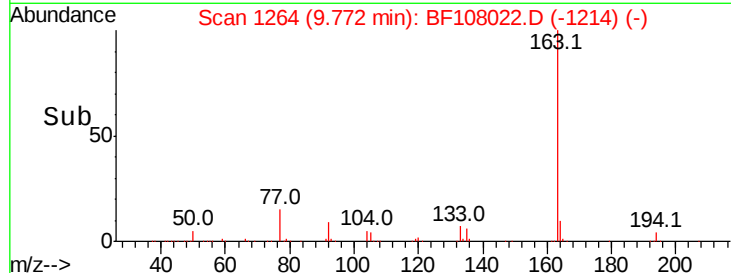
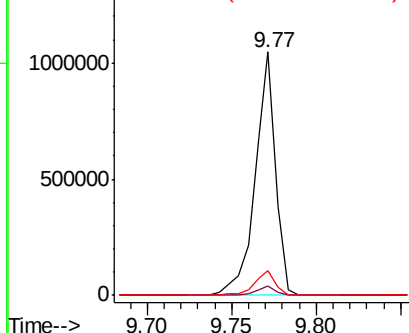
#49
Dimethylphthalate
Concen: 20.626 ng
RT: 9.77 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:163 Resp: 879587
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1
164 10.3 8.2 12.2

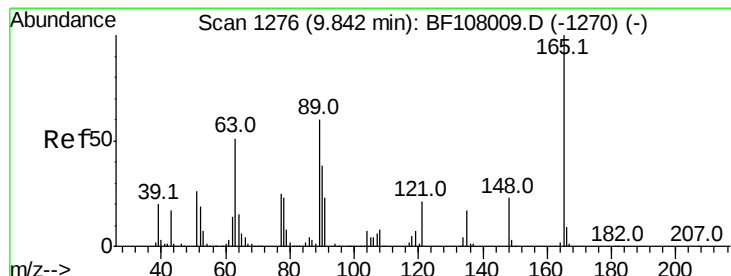


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

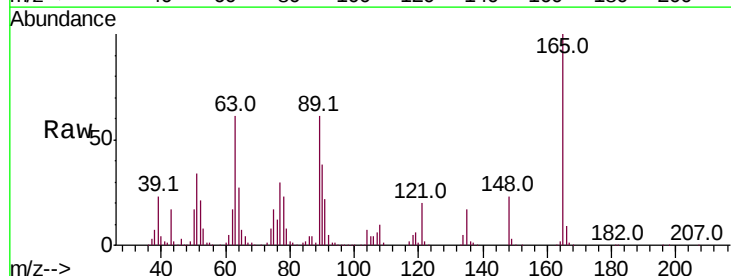
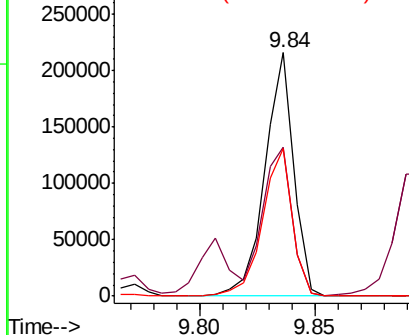


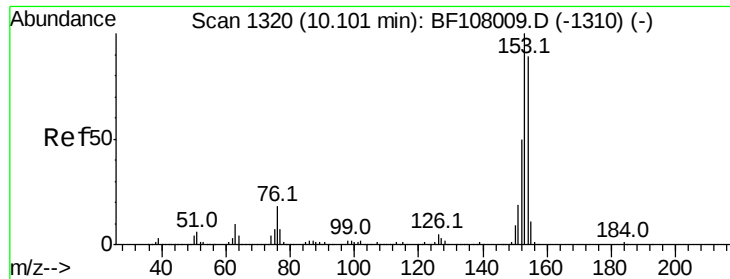
#50
2,6-Dinitrotoluene
Concen: 20.985 ng
RT: 9.84 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion:165 Resp: 187225
Ion Ratio Lower Upper
165 100
63 61.2 44.7 67.1
89 60.7 44.0 66.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 20.456 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

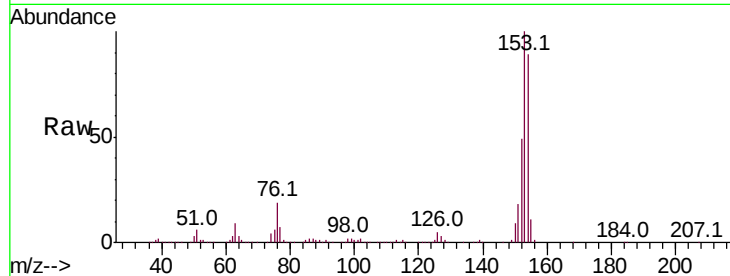
Tot Ion:154 Resp: 706626

Ion Ratio Lower Upper

154 100

153 112.1 91.2 136.8

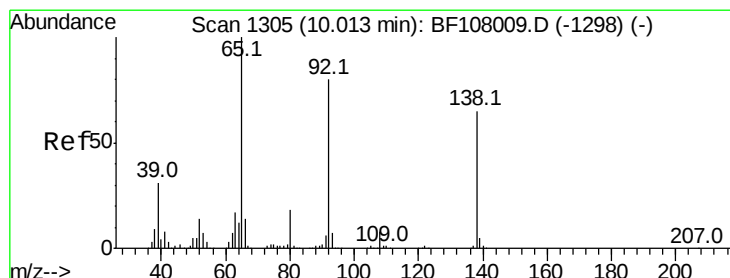
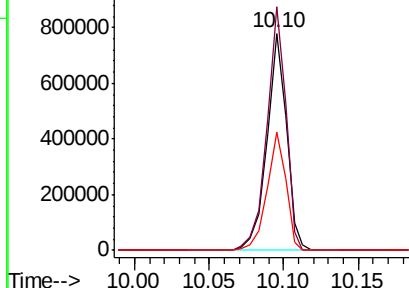
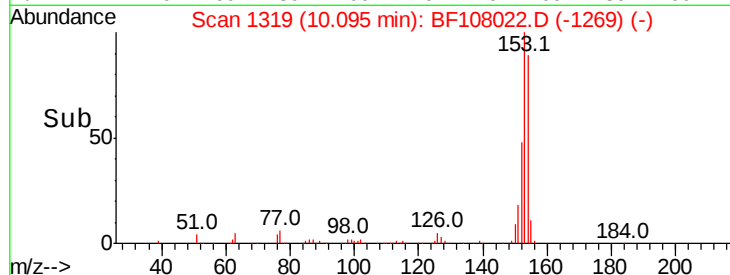
152 54.4 43.8 65.8



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: 14.831 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

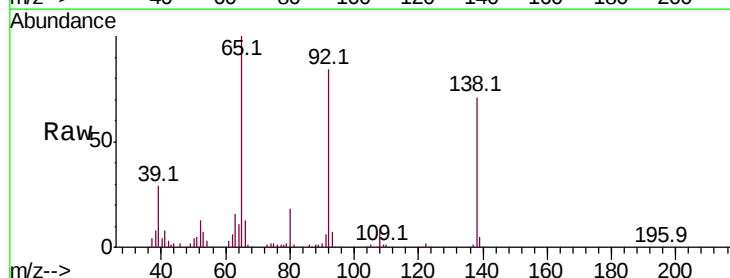
Tgt Ion:138 Resp: 144772

Ion Ratio Lower Upper

138 100

108 10.9 9.4 14.0

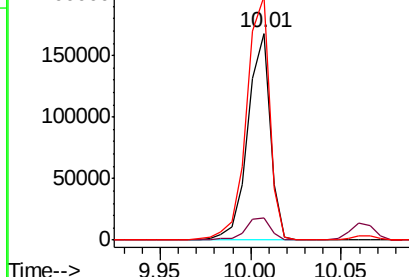
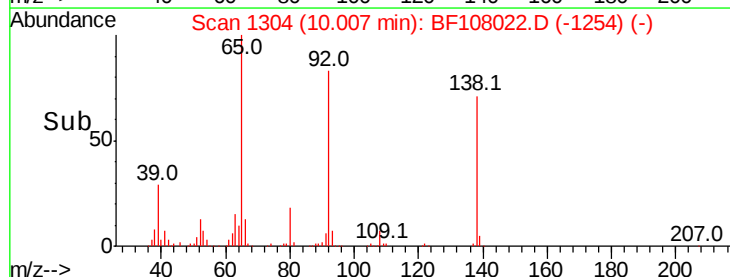
92 117.8 89.4 134.2

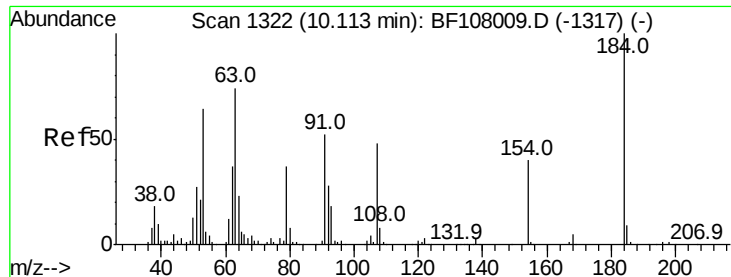


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

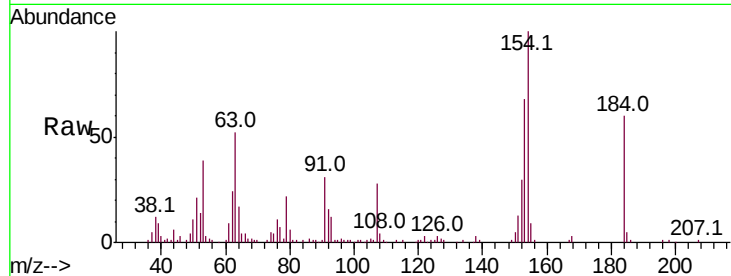




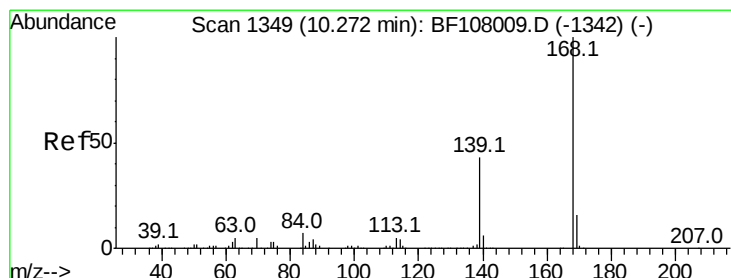
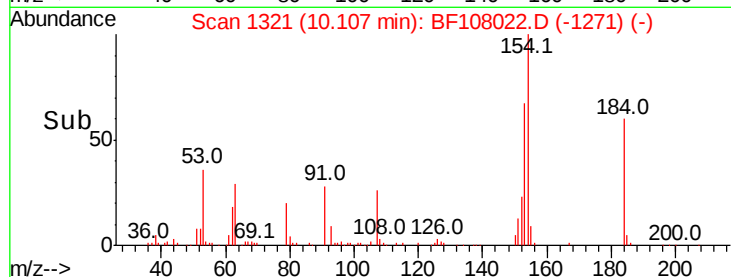
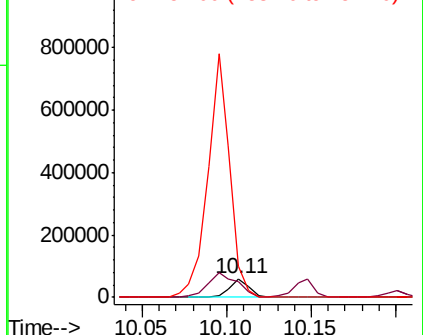
#53
2,4-Dinitrophenol
Concen: 19.724 ng
RT: 10.11 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:184 Resp: 46495
Ion Ratio Lower Upper
184 100
63 86.5 54.2 81.2#
154 166.6 184.0 276.0#

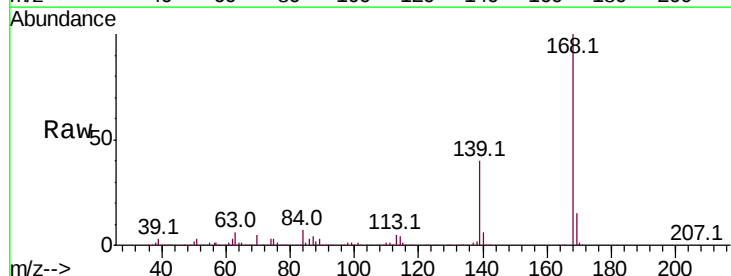


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

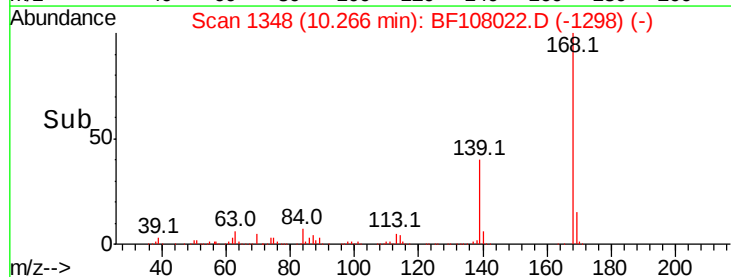
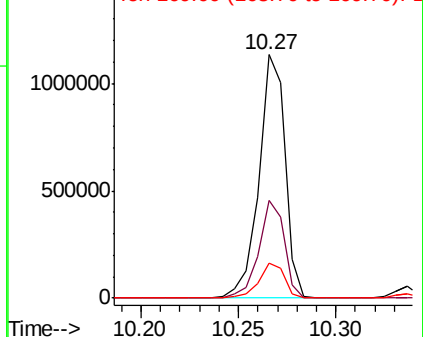


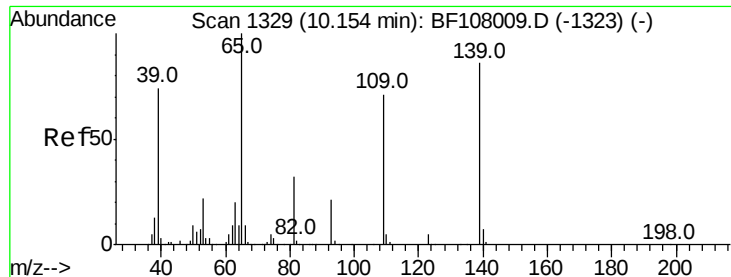
#54
Dibenzofuran
Concen: 21.013 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion:168 Resp: 1051625
Ion Ratio Lower Upper
168 100
139 40.1 30.1 45.1
169 14.6 10.9 16.3



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: 19.582 ng

RT: 10.15 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

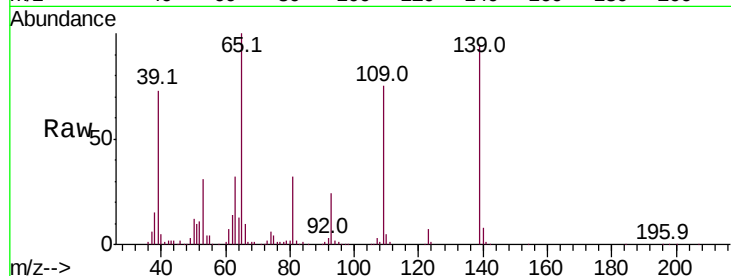
Tot Ion:139 Resp: 144749

Ion Ratio Lower Upper

139 100

109 79.1 48.4 88.4

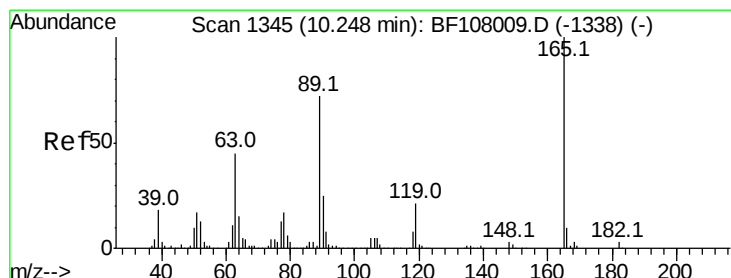
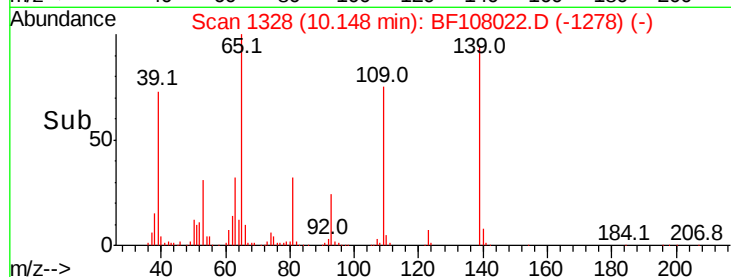
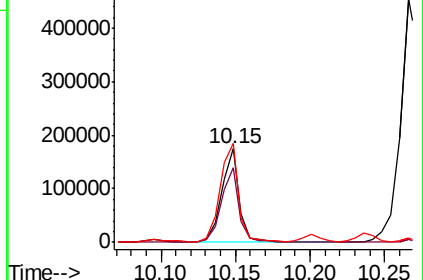
65 106.0 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 21.665 ng

RT: 10.24 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Tgt Ion:165 Resp: 248804

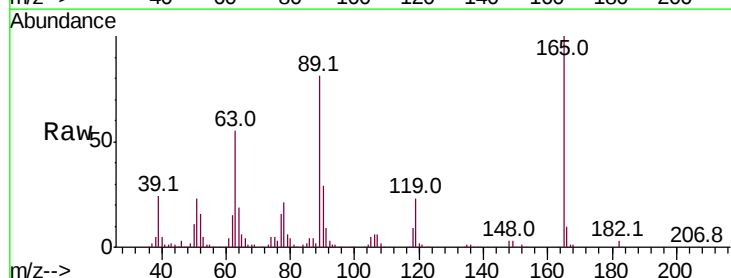
Ion Ratio Lower Upper

165 100

63 55.0 36.4 54.6#

89 81.3 57.8 86.6

182 2.8 1.6 2.4#

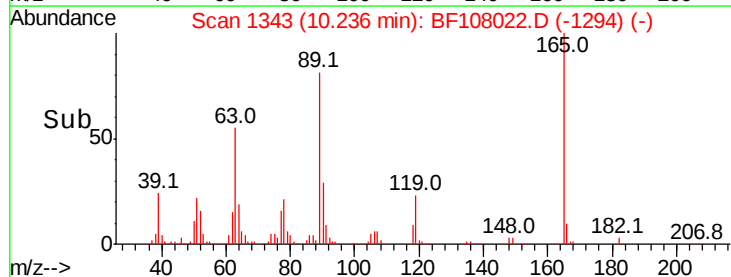
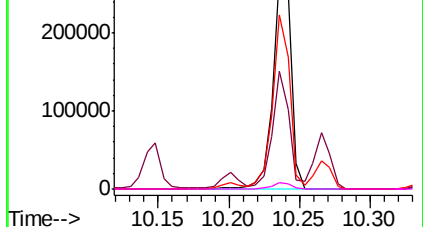


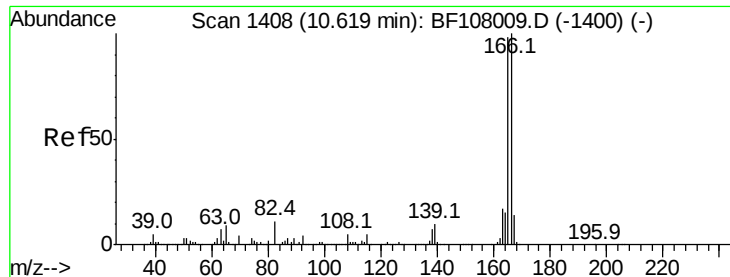
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

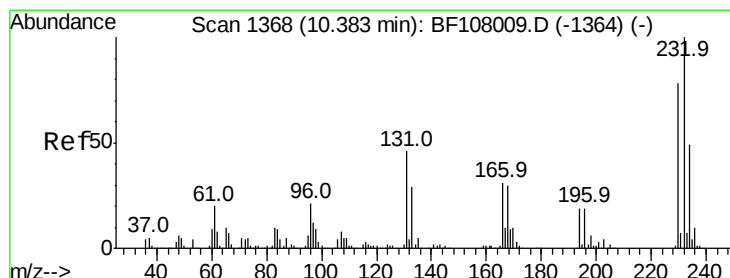
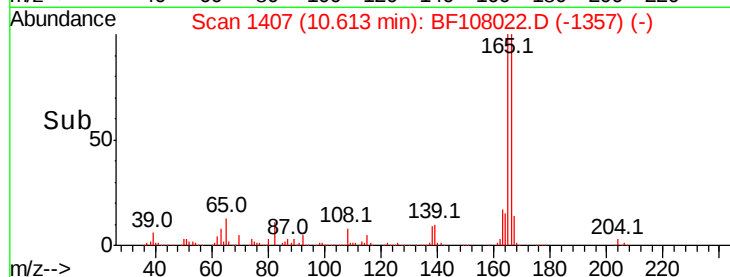
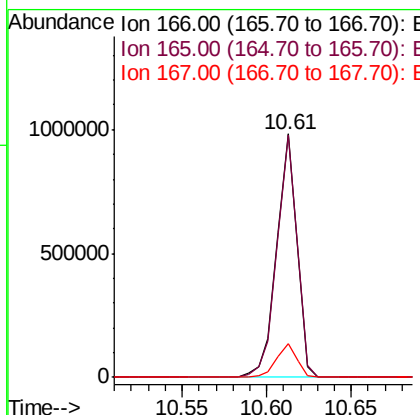
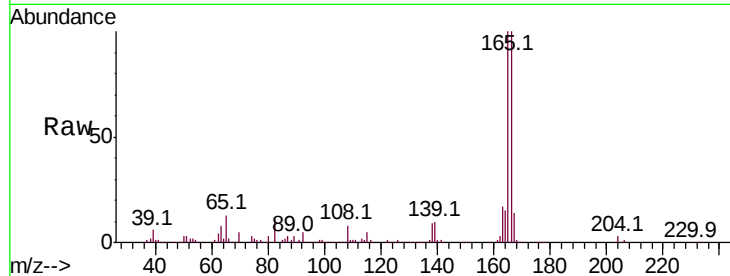




#57
 Fluorene
 Concen: 20.600 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

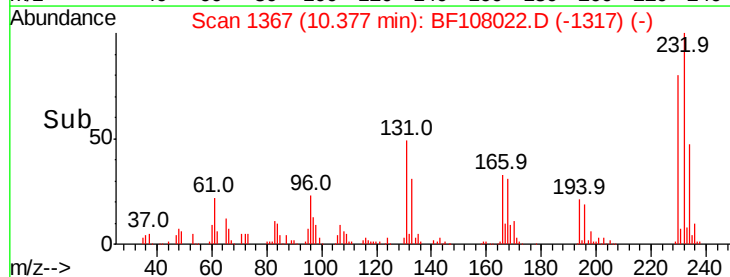
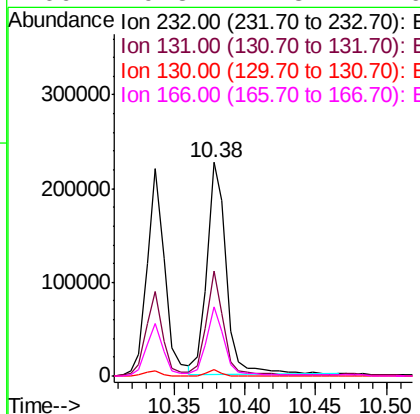
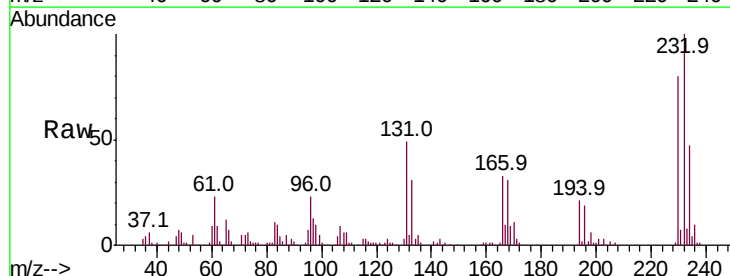
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

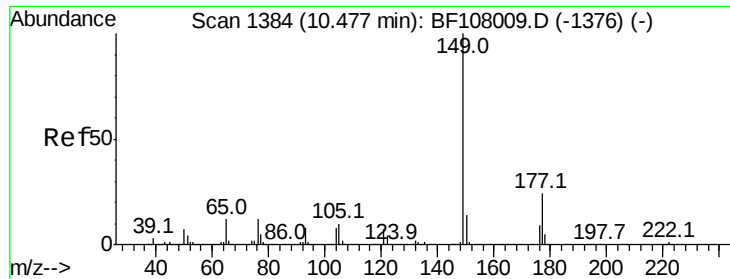
Tot Ion:166 Resp: 816123
 Ion Ratio Lower Upper
 166 100
 165 99.7 79.8 119.8
 167 13.6 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 20.324 ng
 RT: 10.38 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion:232 Resp: 218158
 Ion Ratio Lower Upper
 232 100
 131 43.1 43.8 65.8#
 130 2.4 2.1 3.1
 166 29.8 27.8 41.6

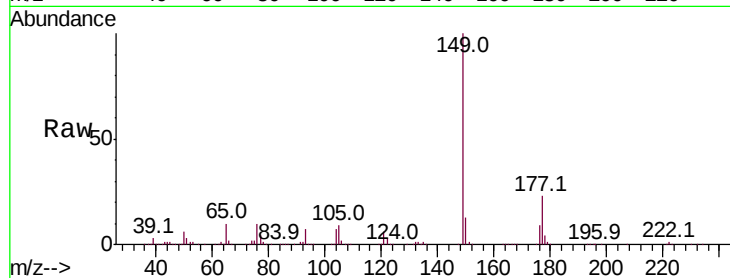




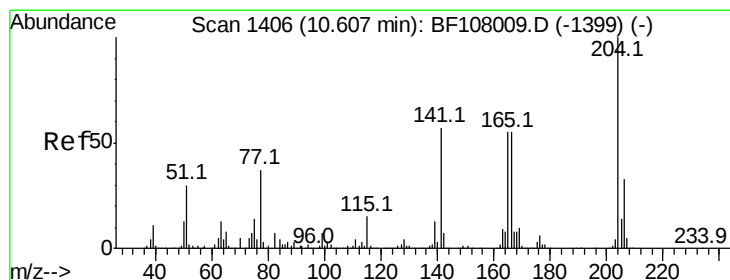
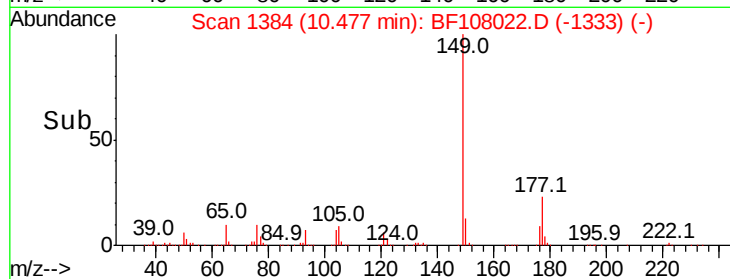
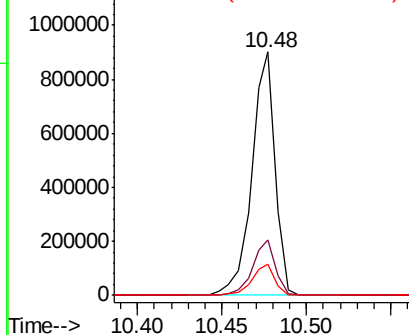
#59
Diethylphthalate
Concen: 20.963 ng
RT: 10.48 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.7	16.1	24.1
150	12.7	10.1	15.1

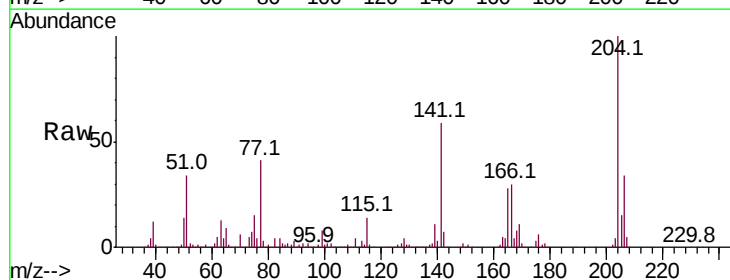


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

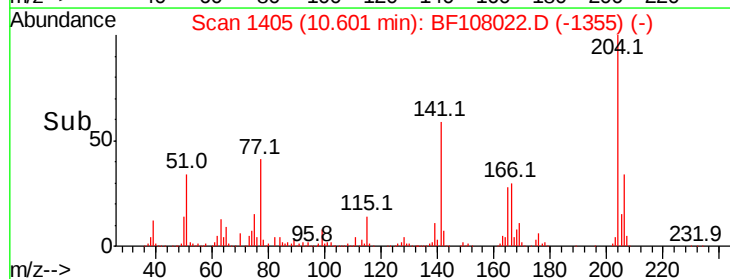
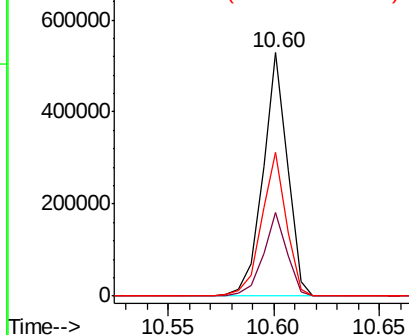


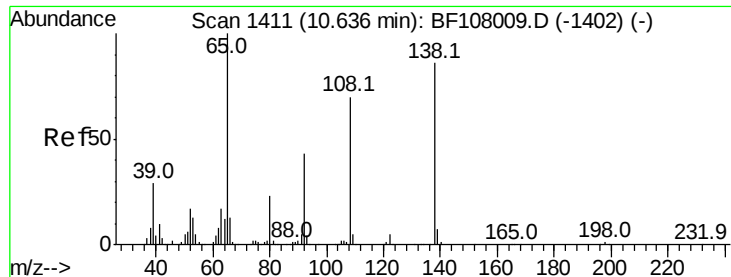
#60
4-Chlorophenyl-phenylether
Concen: 20.622 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.3	26.5	39.7
141	58.9	54.6	81.8



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

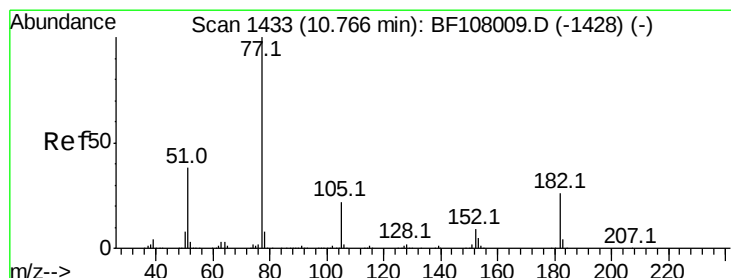
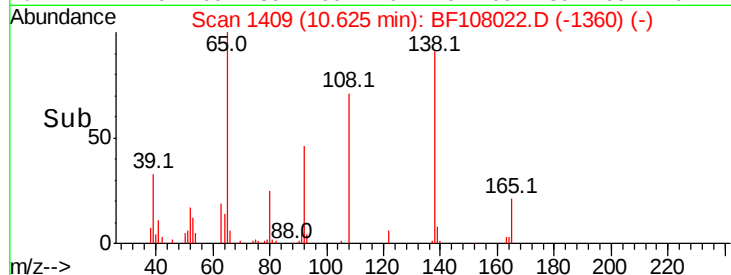
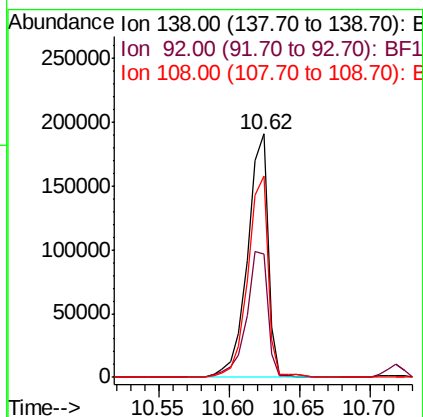
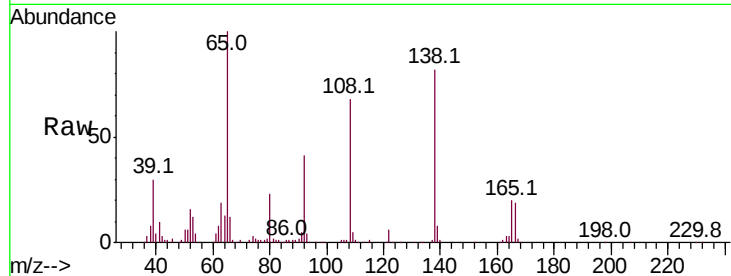




#61
4-Nitroaniline
Concen: 20.251 ng
RT: 10.62 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

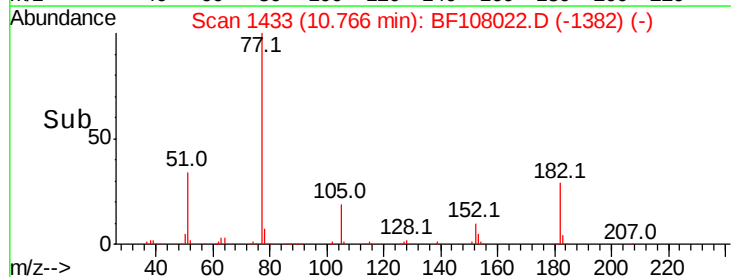
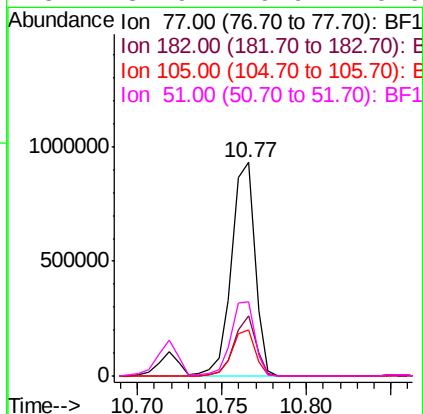
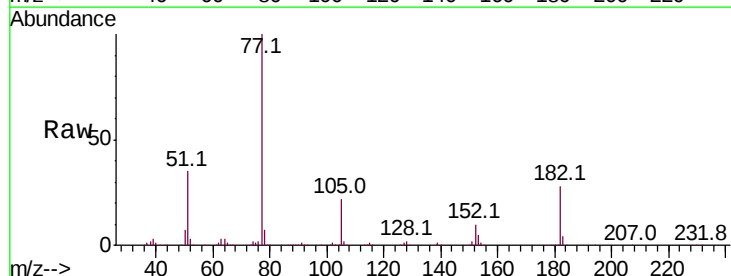
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

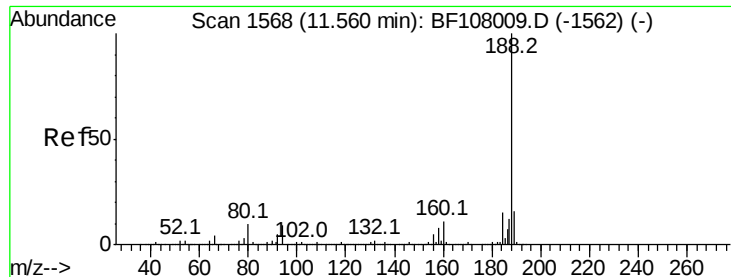
Tot Ion:138 Resp: 195442
Ion Ratio Lower Upper
138 100
92 50.4 30.2 70.2
108 82.7 52.5 92.5



#62
Azobenzene
Concen: 21.071 ng
RT: 10.77 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion: 77 Resp: 898551
Ion Ratio Lower Upper
77 100
182 28.0 1.7 41.7
105 21.6 3.0 43.0
51 34.9 9.9 49.9

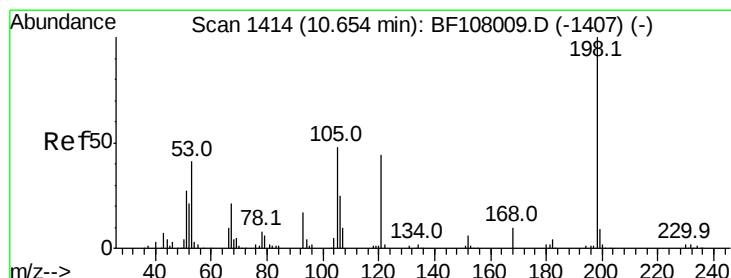
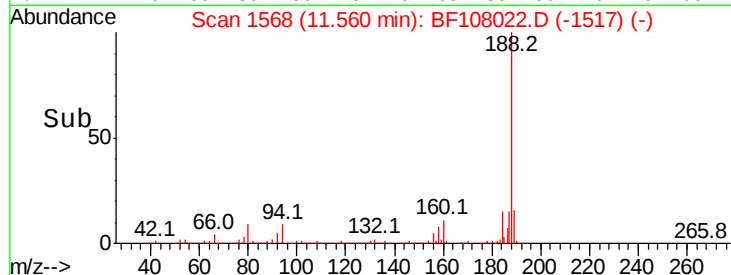
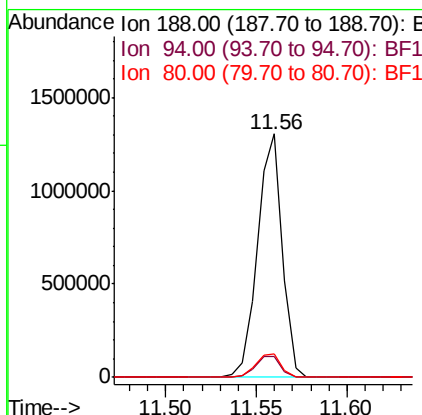
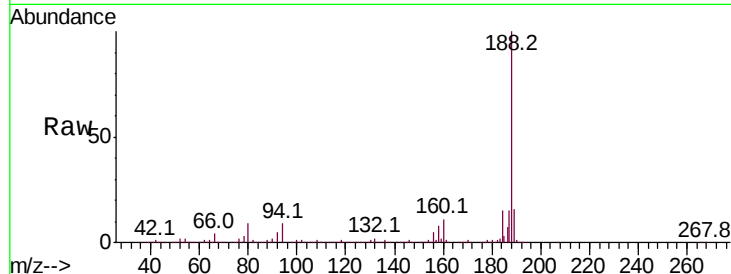




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

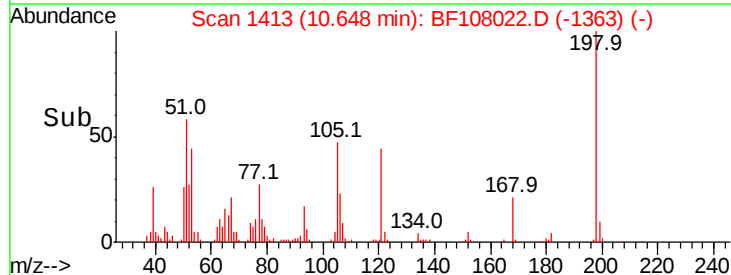
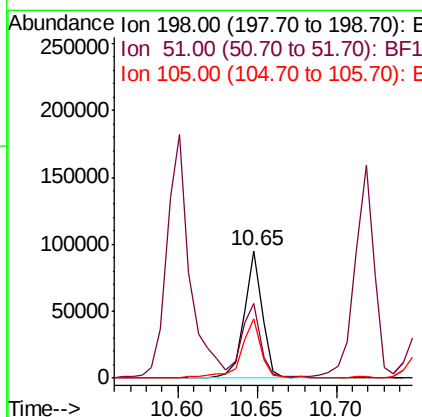
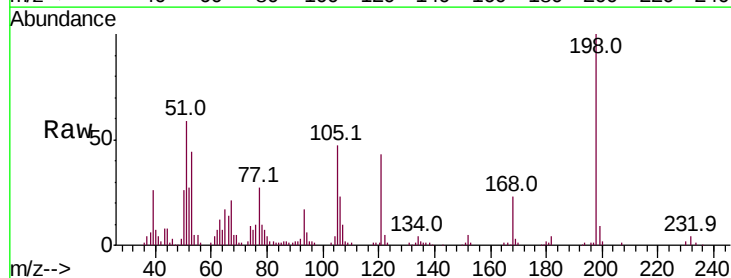
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

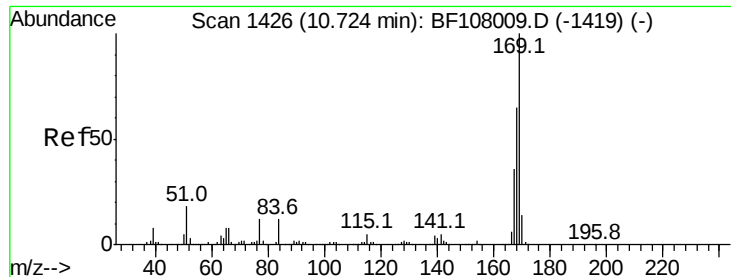
Tot Ion:188 Resp: 1235809
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 9.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 19.731 ng
RT: 10.65 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion:198 Resp: 75065
Ion Ratio Lower Upper
198 100
51 58.5 37.7 77.7
105 46.8 36.3 76.3

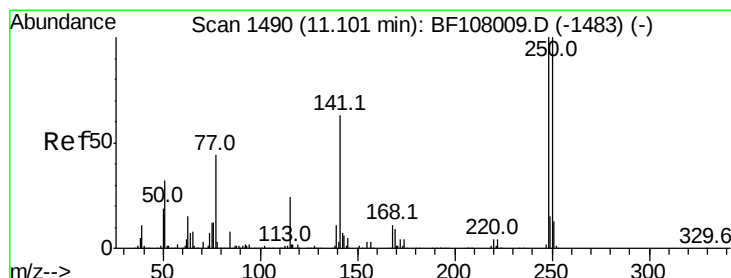
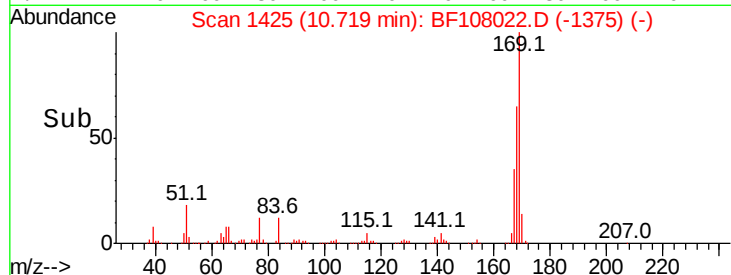
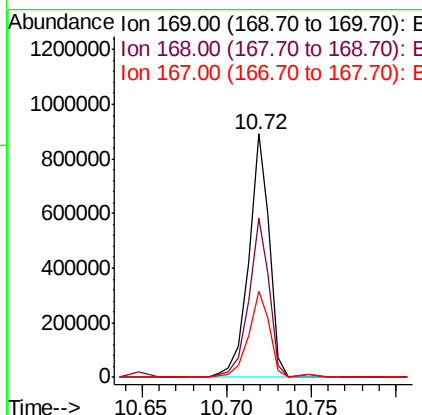
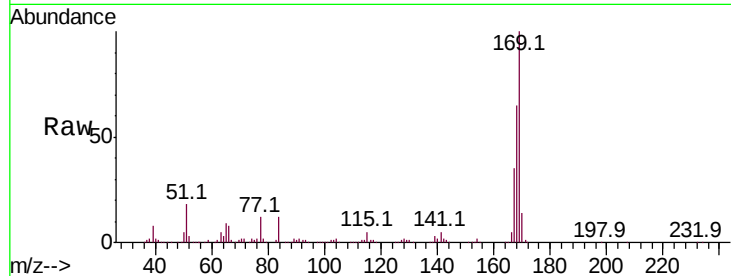




#65
 n-Nitrosodiphenylamine
 Concen: 20.807 ng
 RT: 10.72 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

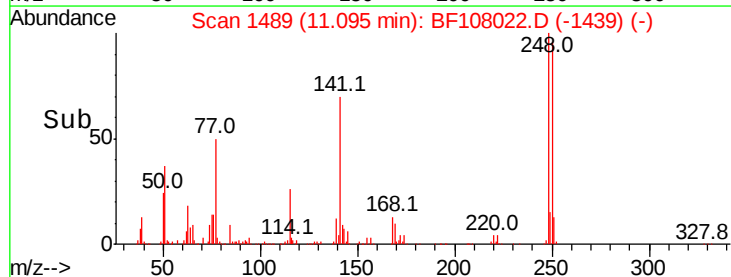
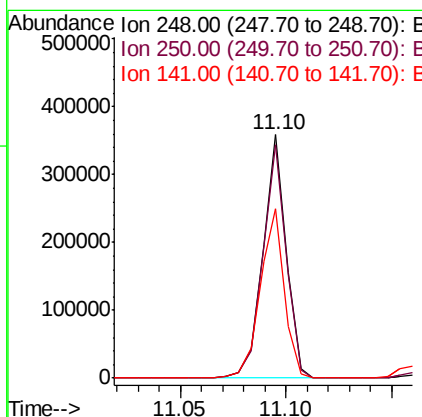
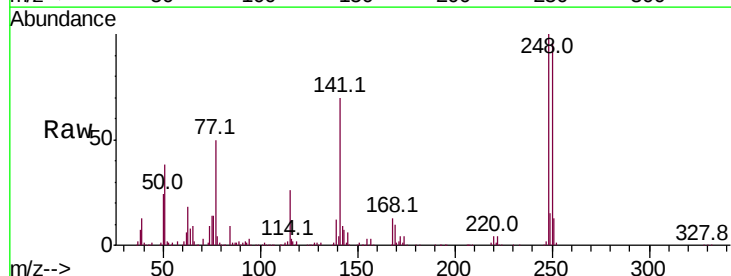
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

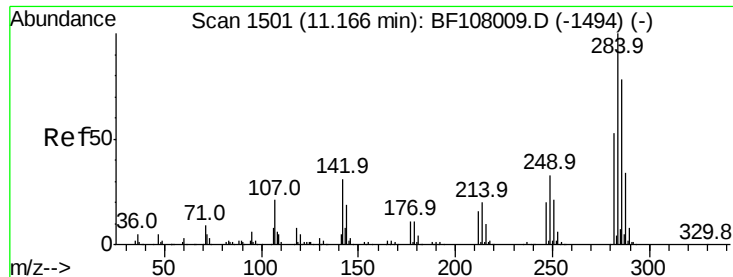
Tot Ion	Ratio	Lower	Upper
169	100		
168	65.3	54.4	81.6
167	35.4	29.8	44.6



#66
 4-Bromophenyl-phenylether
 Concen: 20.457 ng
 RT: 11.10 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.8	76.9	115.3
141	69.5	74.4	111.6#





#67

Hexachlorobenzene

Concen: 20.149 ng

RT: 11.16 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

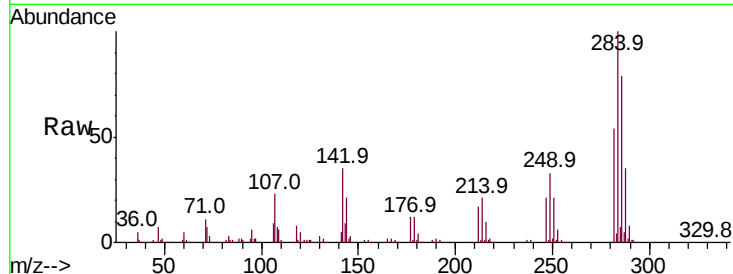
Tot Ion:284 Resp: 284718

Ion Ratio Lower Upper

284 100

142 34.9 34.6 52.0

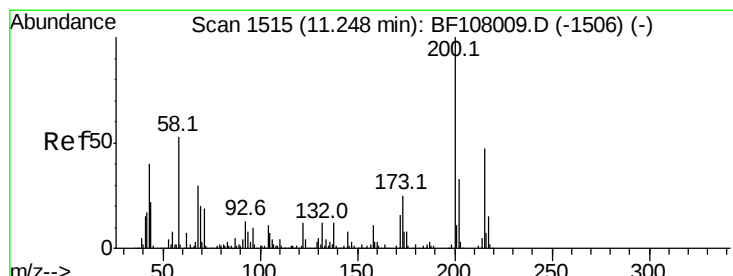
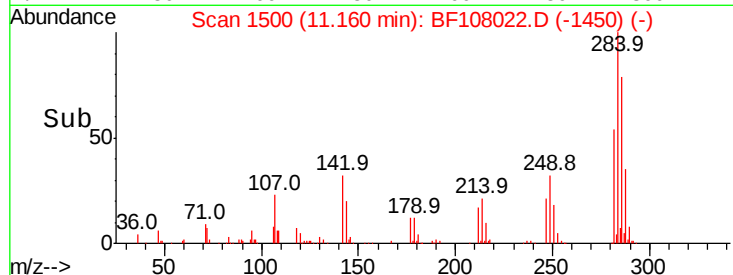
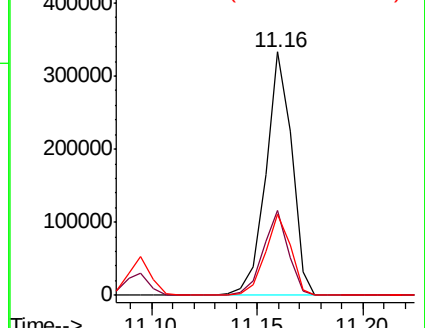
249 33.2 24.8 37.2



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: 20.630 ng

RT: 11.24 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

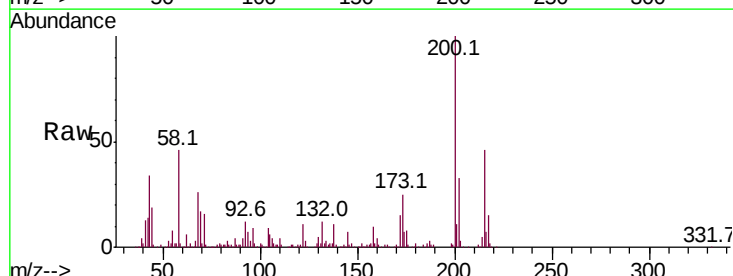
Tgt Ion:200 Resp: 252696

Ion Ratio Lower Upper

200 100

173 25.3 8.6 48.6

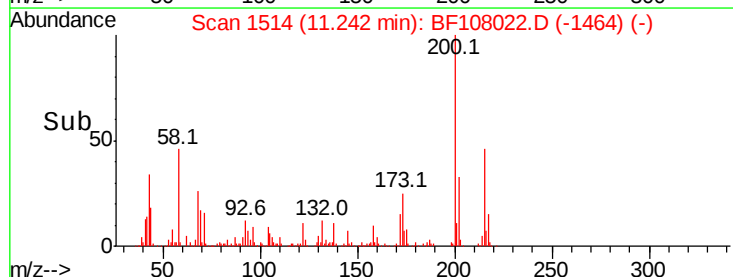
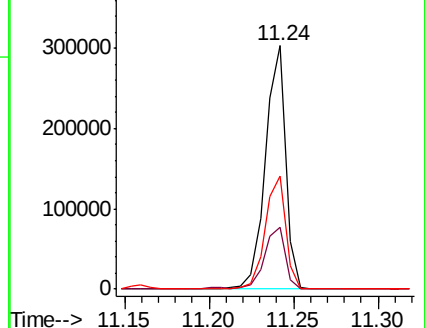
215 46.2 25.1 65.1

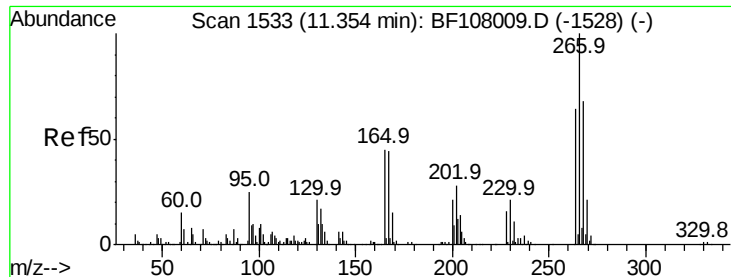


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

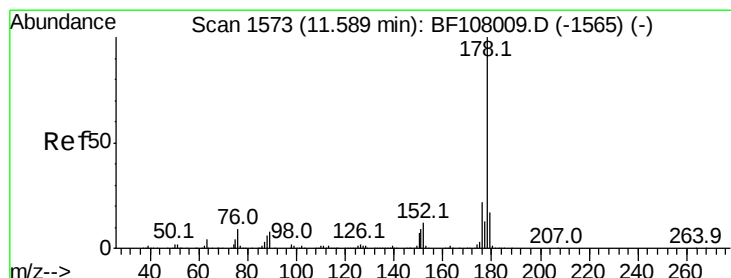
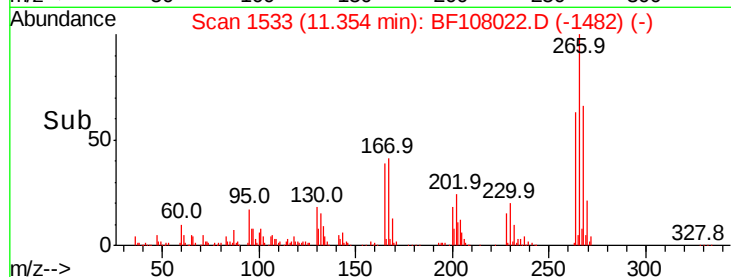
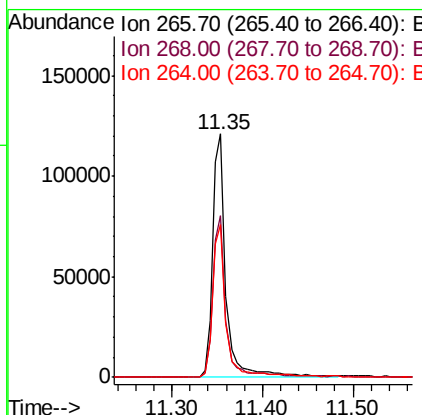
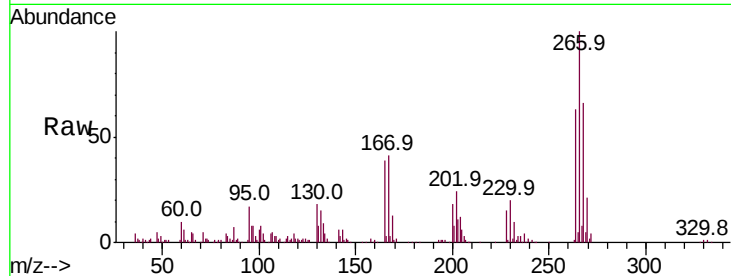




#69
 Pentachlorophenol
 Concen: 18.721 ng
 RT: 11.35 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

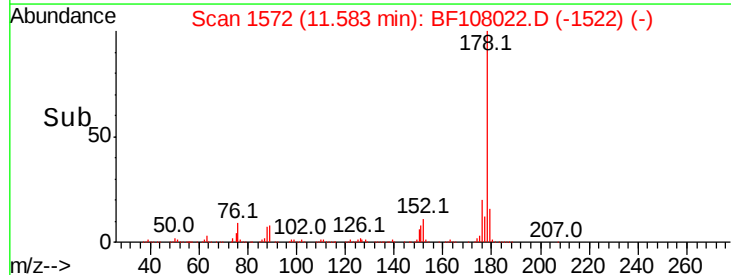
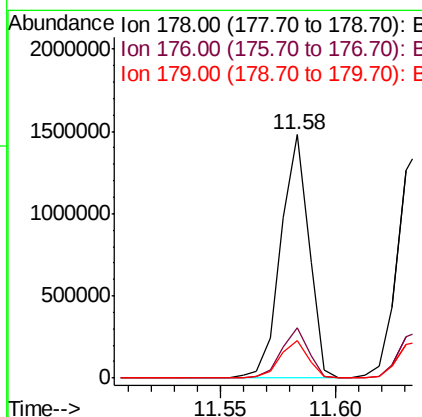
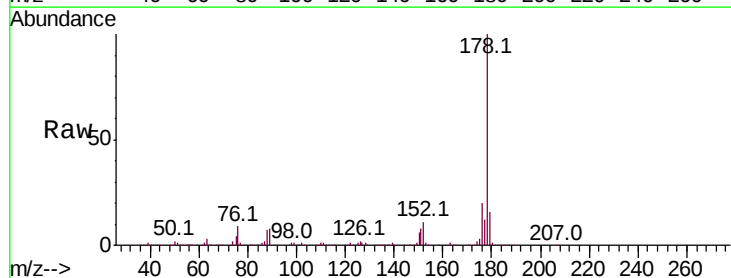
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

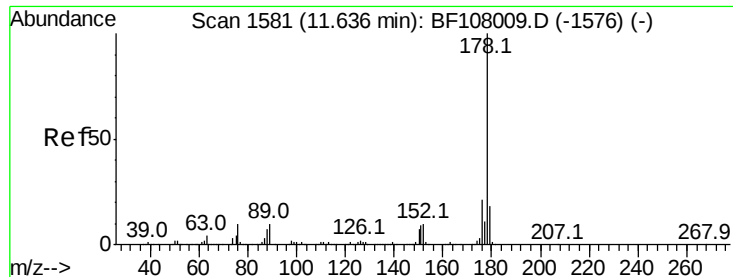
Tot Ion	Ratio	Lower	Upper
266	100		
268	66.3	51.1	76.7
264	62.6	49.5	74.3



#70
 Phenanthrene
 Concen: 21.300 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	15.6	13.0	19.6

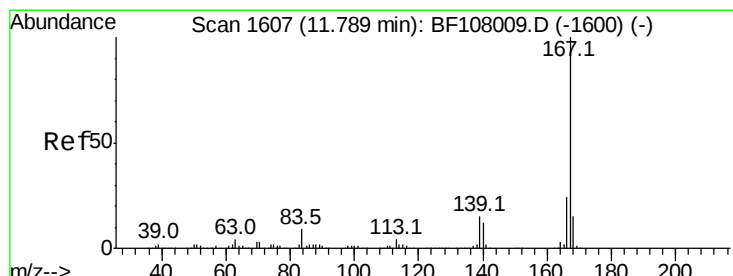
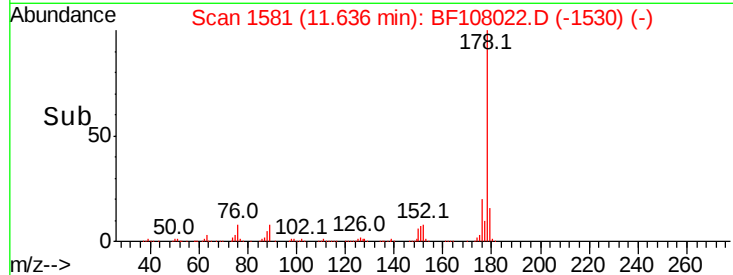
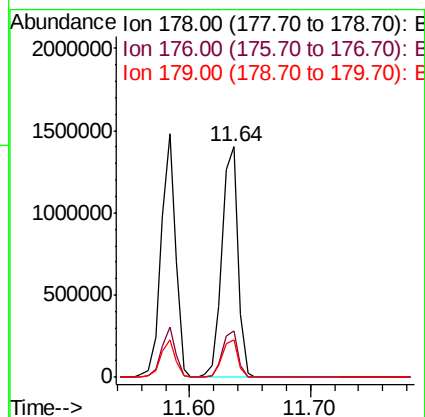
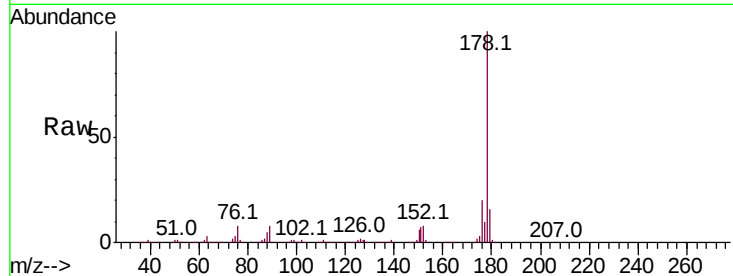




#71
 Anthracene
 Concen: 21.306 ng
 RT: 11.64 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

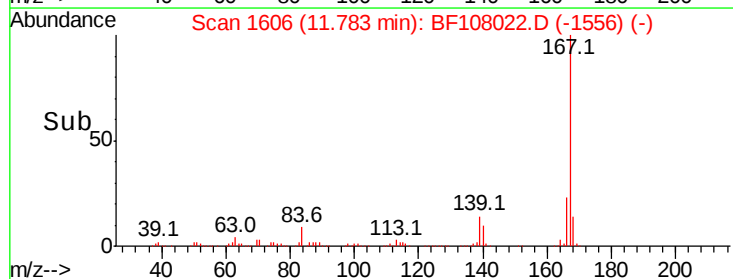
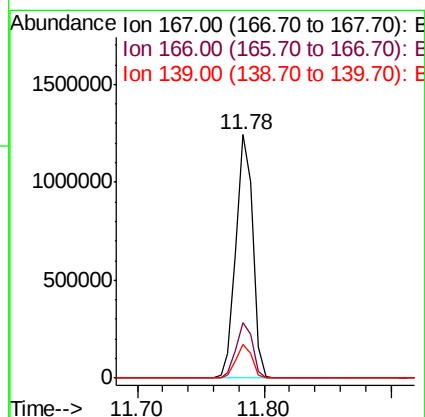
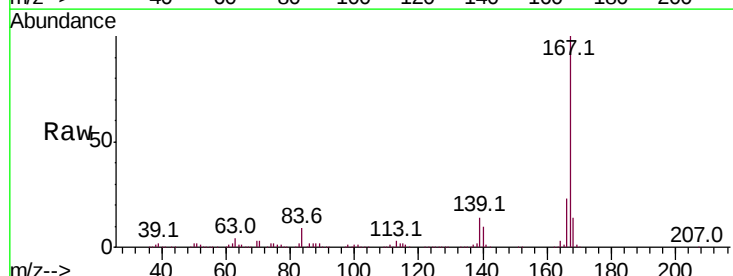
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

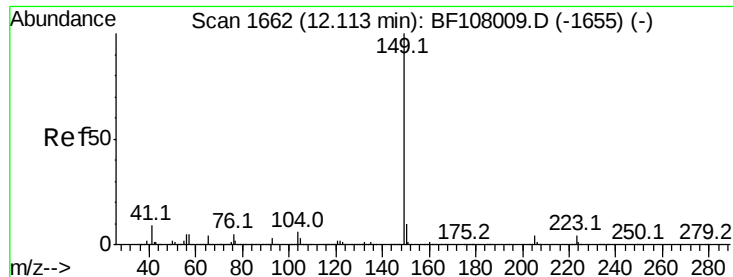
Tot Ion:178 Resp: 1272829
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.4 23.2
 179 16.0 12.6 19.0



#72
 Carbazole
 Concen: 21.309 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion:167 Resp: 1131054
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.6 26.4
 139 13.9 10.9 16.3

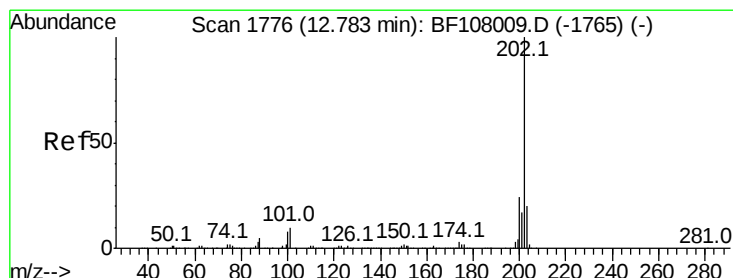
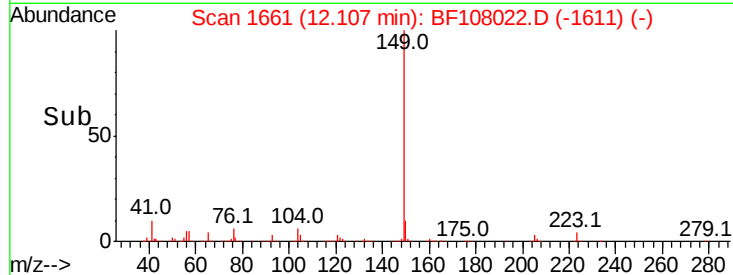
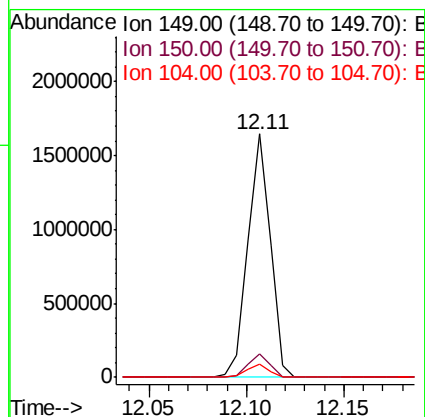
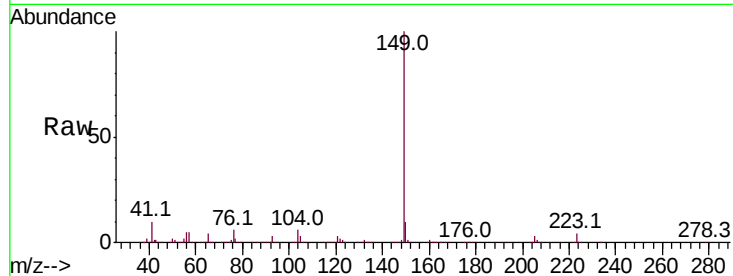




#73
Di-n-butylphthalate
Concen: 21.853 ng
RT: 12.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

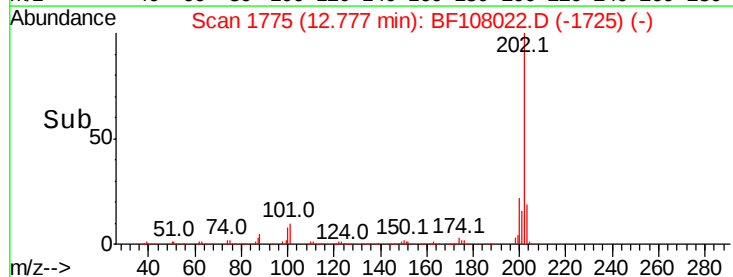
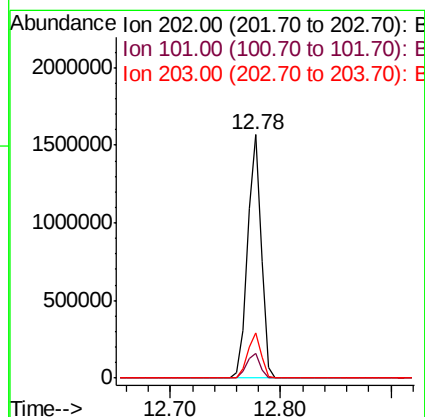
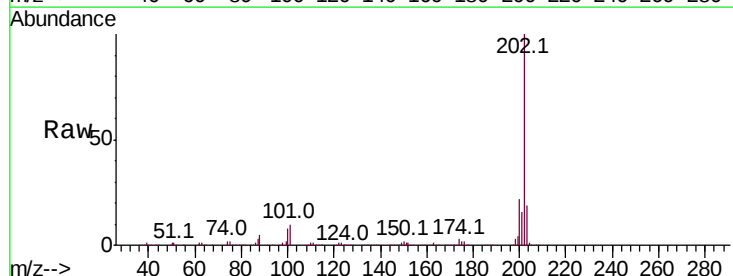
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

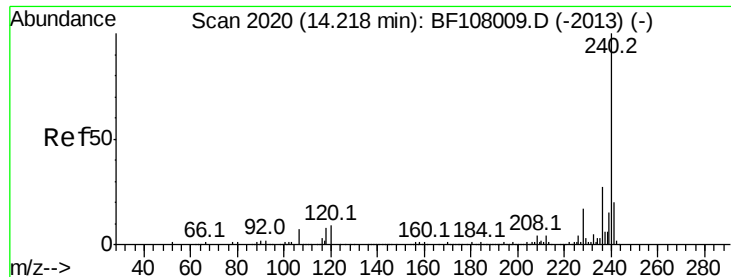
Tot Ion:149 Resp: 1313827
Ion Ratio Lower Upper
149 100
150 9.6 7.8 11.6
104 5.5 3.8 5.8



#74
Fluoranthene
Concen: 21.363 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion:202 Resp: 1359027
Ion Ratio Lower Upper
202 100
101 10.4 0.0 34.1
203 18.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

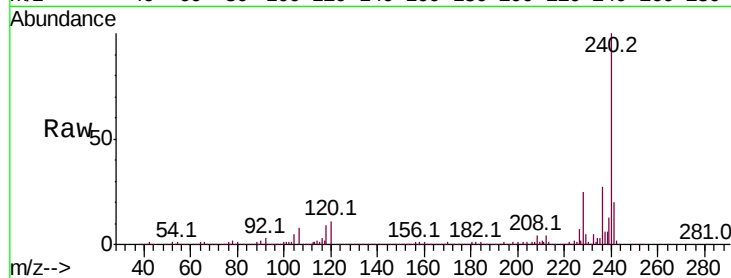
Tot Ion:240 Resp: 1039874

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

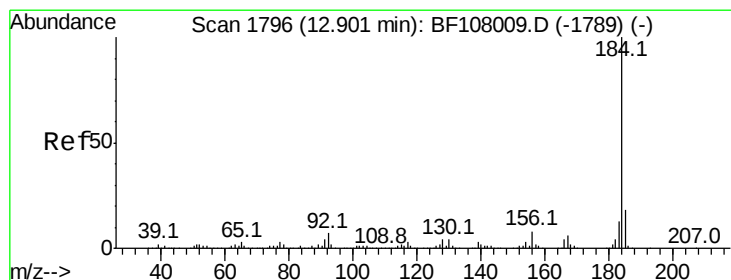
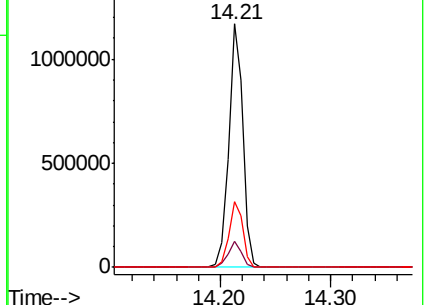
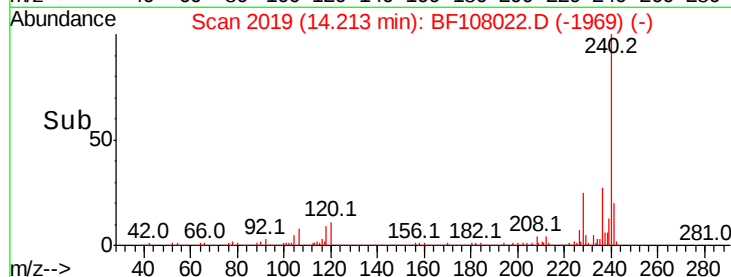
236 27.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 9.753 ng

RT: 12.89 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

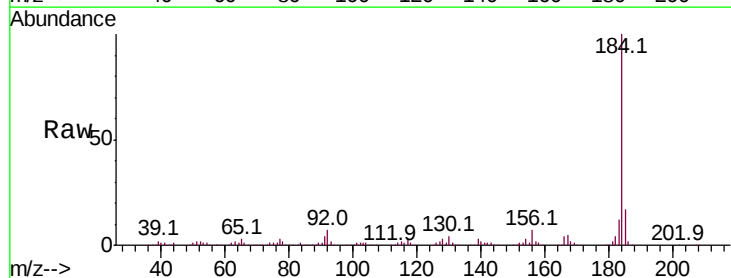
Tgt Ion:184 Resp: 378917

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

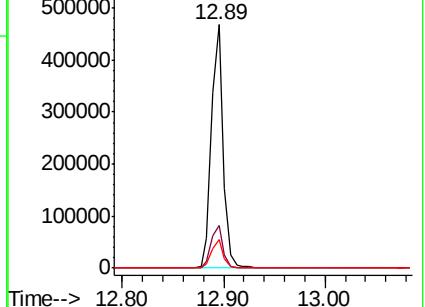
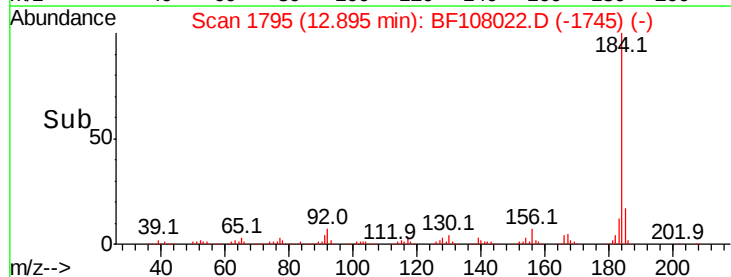
183 11.7 9.3 13.9

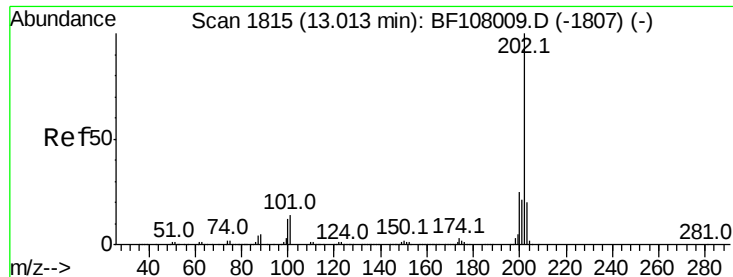


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

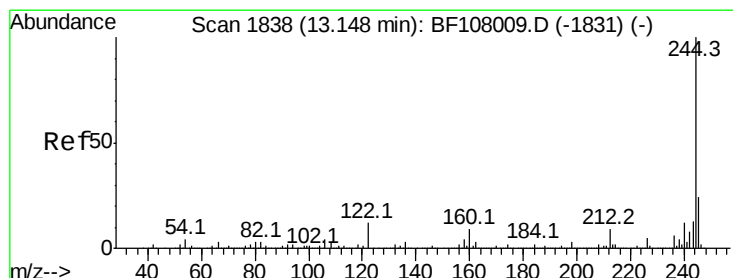
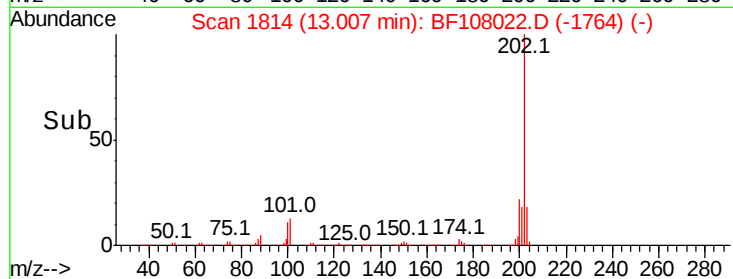
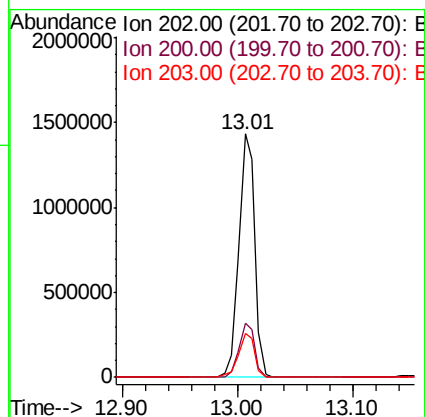
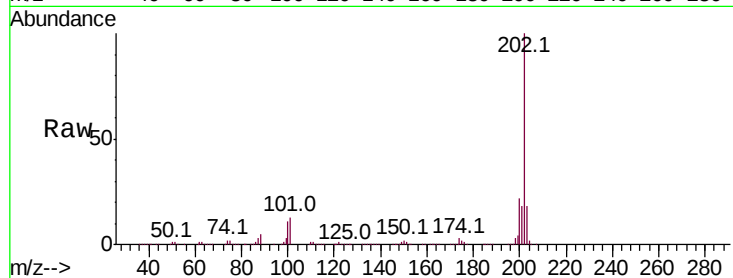




#77
Pvrene
Concen: 20.589 ng
RT: 13.01 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

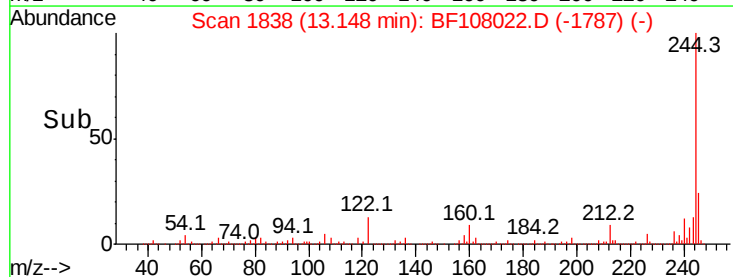
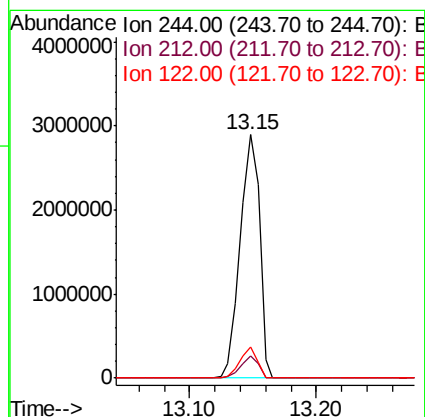
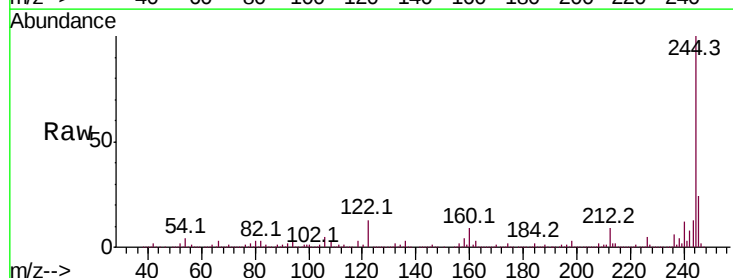
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

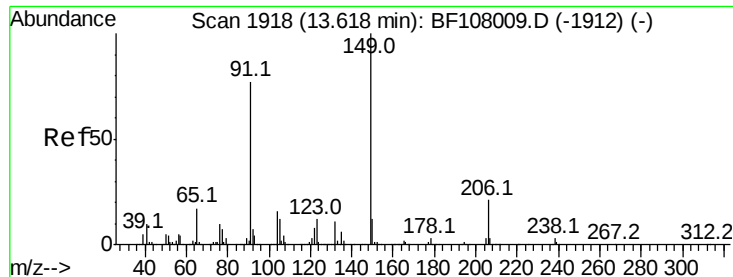
Tot Ion:202 Resp: 1355472
Ion Ratio Lower Upper
202 100
200 22.5 17.4 26.2
203 18.3 14.3 21.5



#78
Terphenyl-d14
Concen: 74.472 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion:244 Resp: 3045792
Ion Ratio Lower Upper
244 100
212 9.0 5.4 8.0#
122 12.6 11.0 16.4

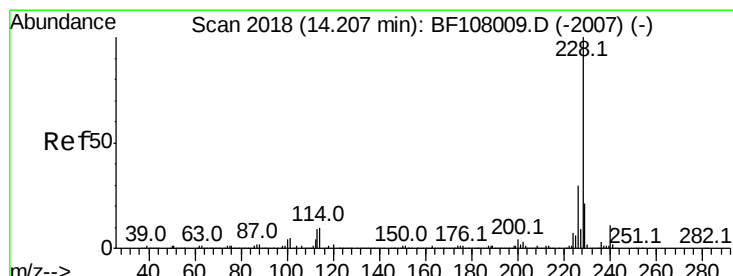
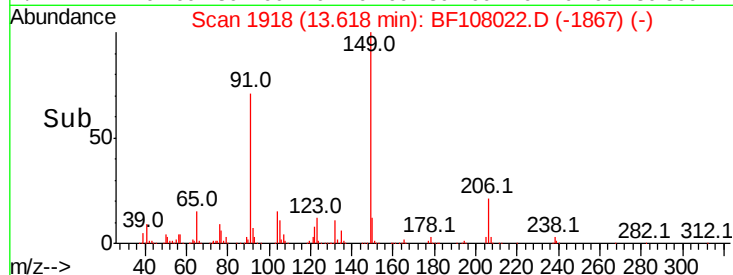
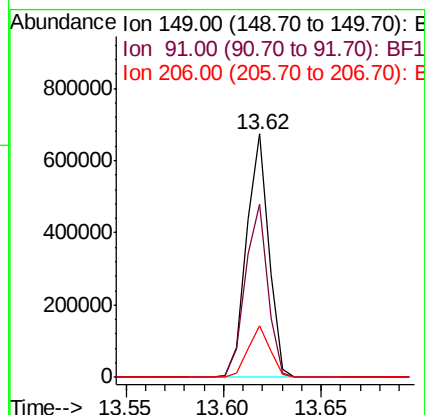
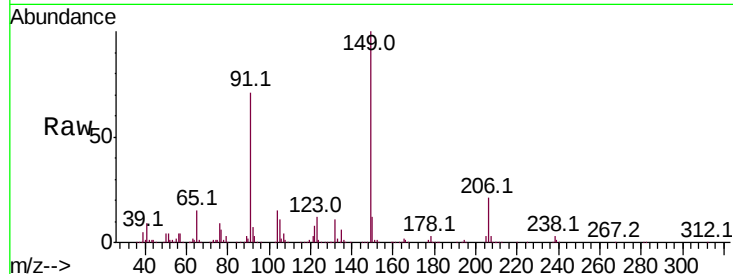




#79
Butylbenzylphthalate
Concen: 20.398 ng
RT: 13.62 min Scan# 1918
Delta R.T. 0.00 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

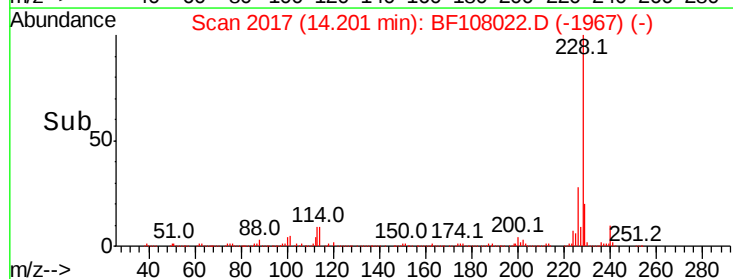
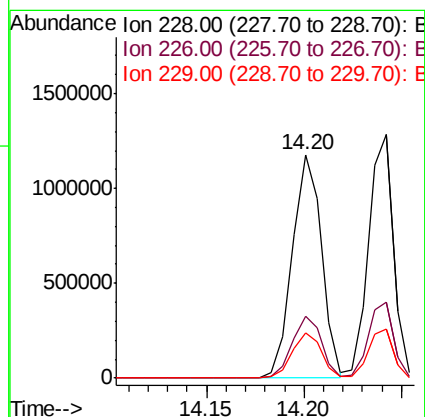
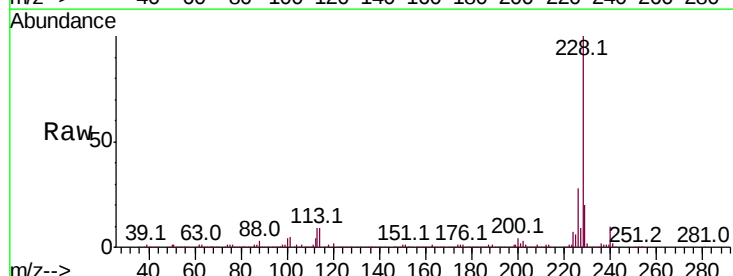
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2018

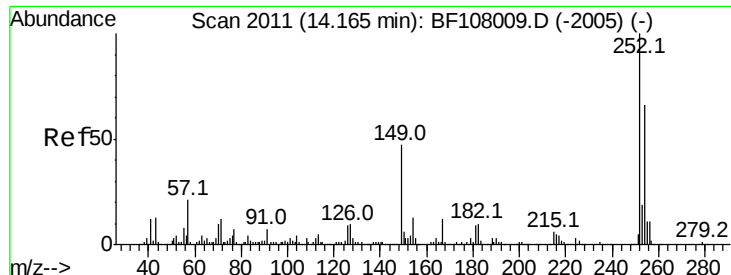
Tot Ion:149 Resp: 533252
Ion Ratio Lower Upper
149 100
91 71.1 56.8 85.2
206 21.3 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 20.437 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108022.D
Acq: 8 Aug 2018 16:27

Tgt Ion:228 Resp: 1219647
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 20.3 15.8 23.6

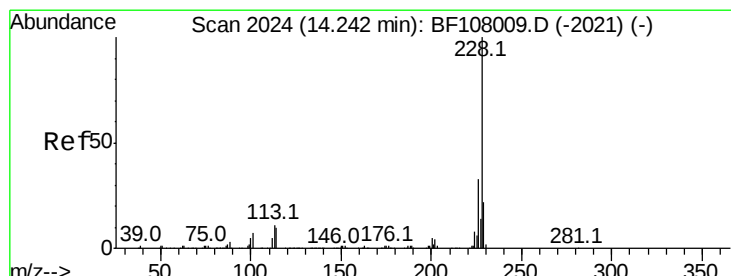
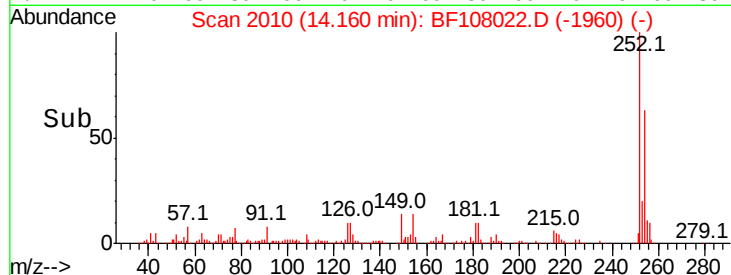
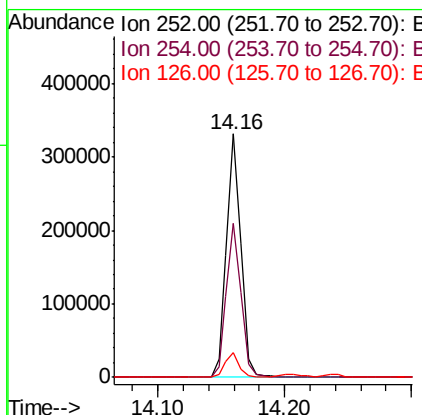
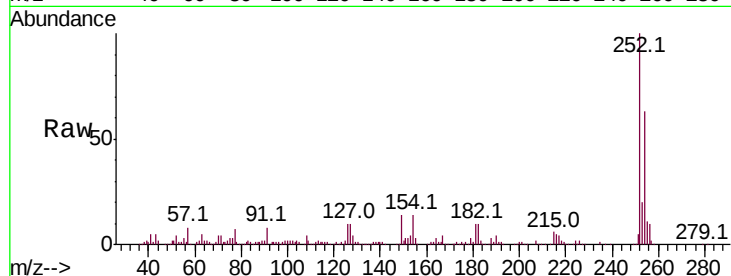




#81
 3,3'-Dichlorobenzidine
 Concen: 12.306 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

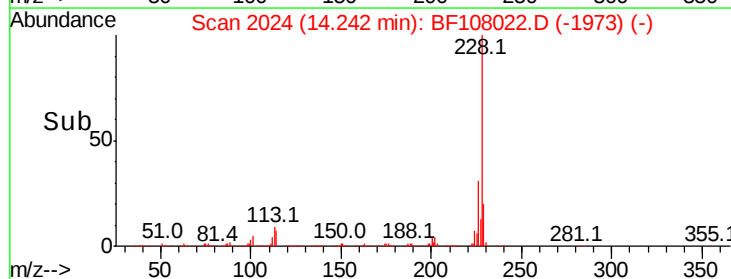
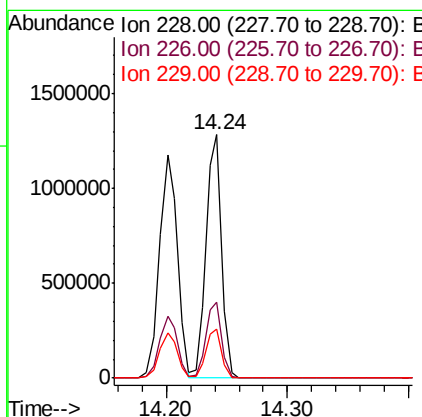
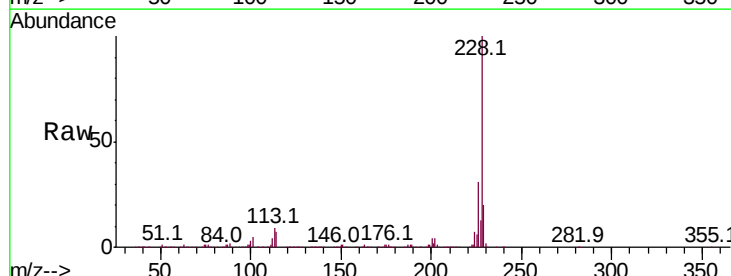
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

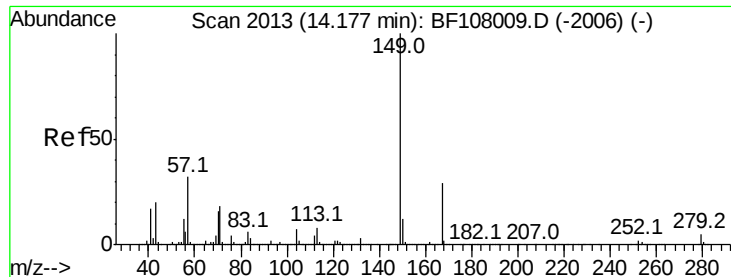
Tot Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.4	75.6
126	10.4	11.3	16.9#



#82
 Chrysene
 Concen: 20.827 ng
 RT: 14.24 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	20.1	16.2	24.4

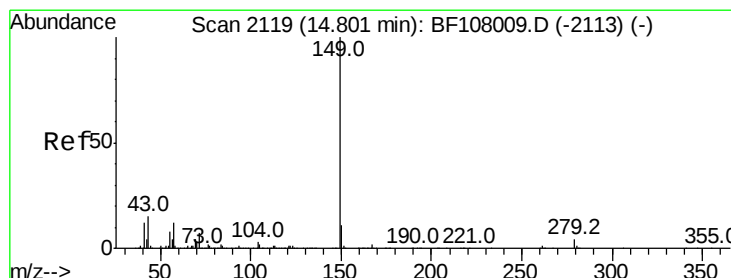
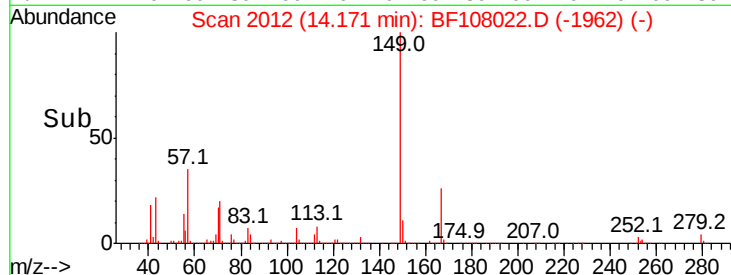
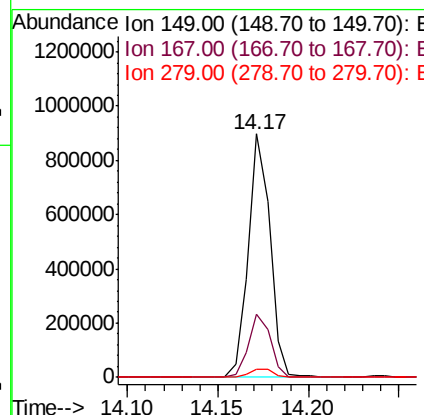
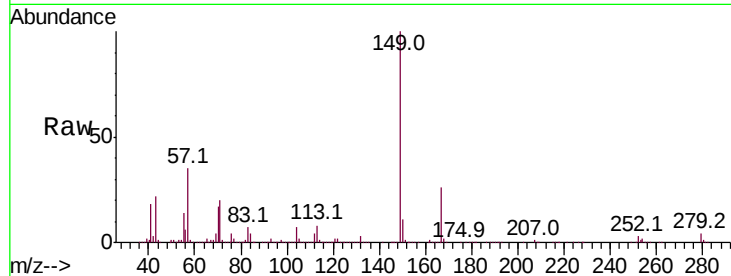




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 21.169 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

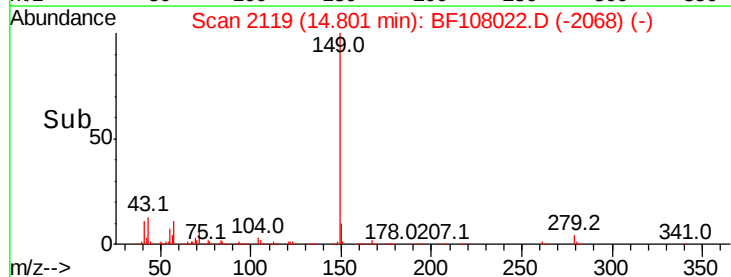
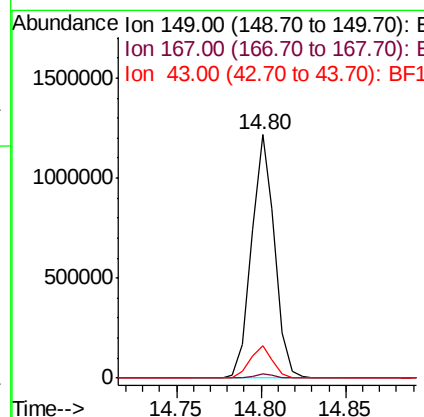
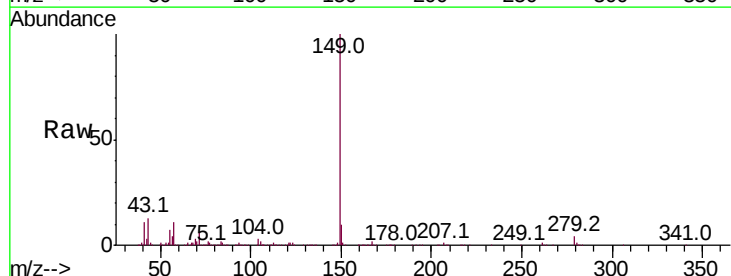
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

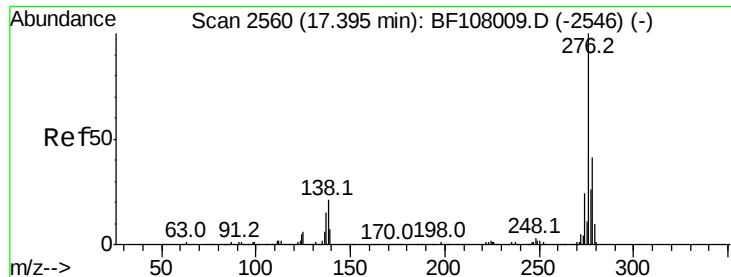
Tot Ion:149 Resp: 749408
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.3 31.9
 279 3.5 3.0 4.4



#84
 Di-n-octyl phthalate
 Concen: 21.383 ng
 RT: 14.80 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: BF108022.D
 Acq: 8 Aug 2018 16:27

Tgt Ion:149 Resp: 1154486
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 13.2 8.4 12.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.252 ng

RT: 17.39 min Scan# 2559

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

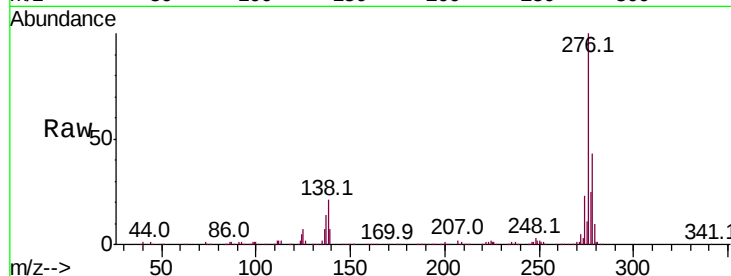
Tot Ion:276 Resp: 912657

Ion Ratio Lower Upper

276 100

138 23.1 25.0 37.6#

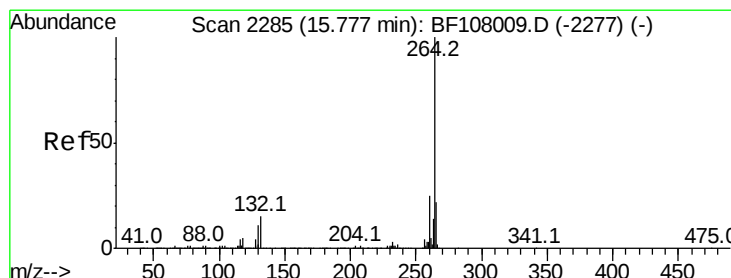
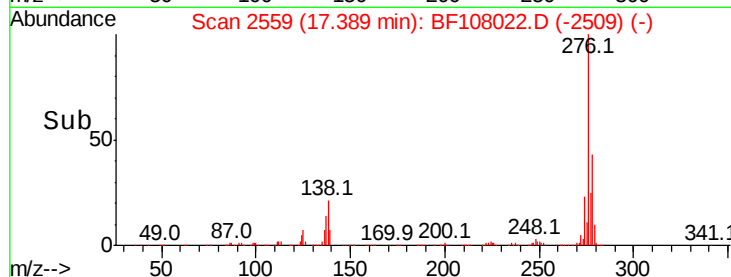
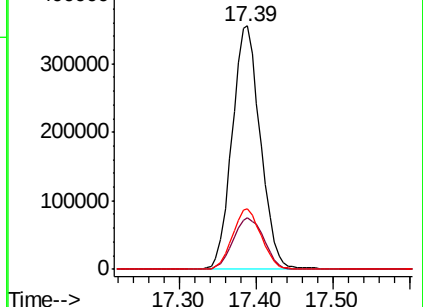
277 25.2 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

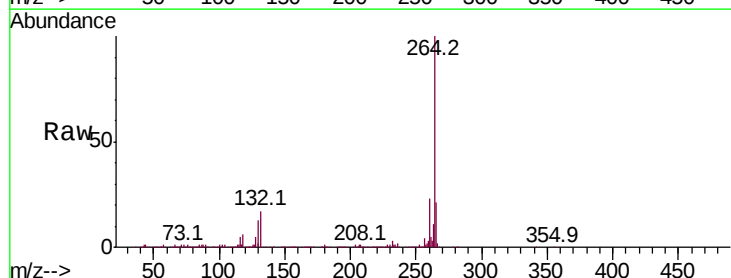
Tgt Ion:264 Resp: 896121

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

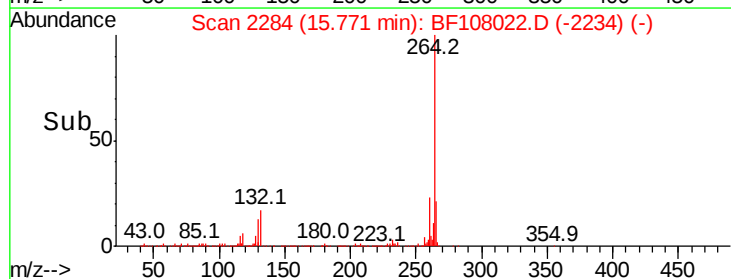
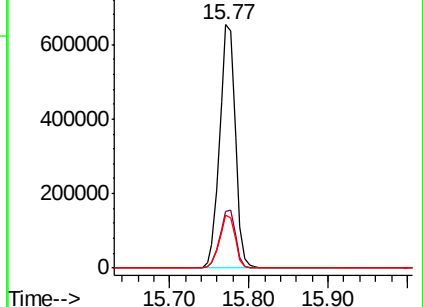
265 21.5 17.5 26.3

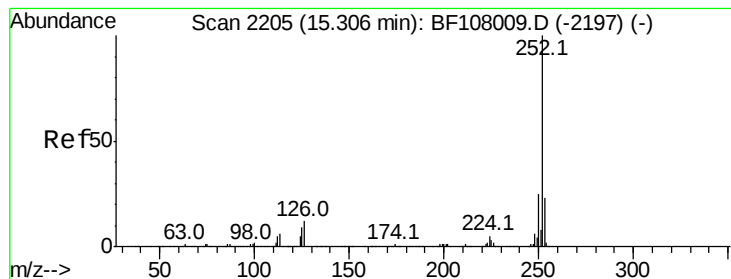


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.351 ng

RT: 15.30 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

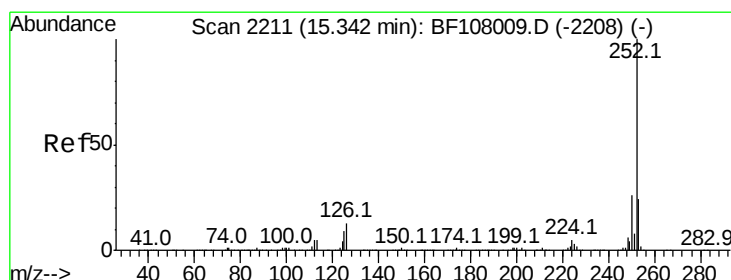
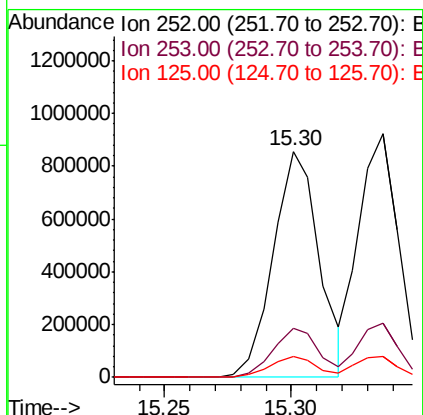
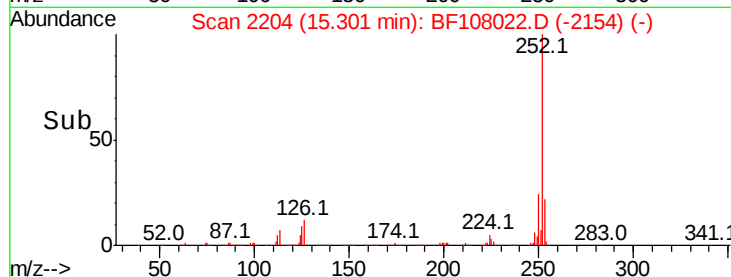
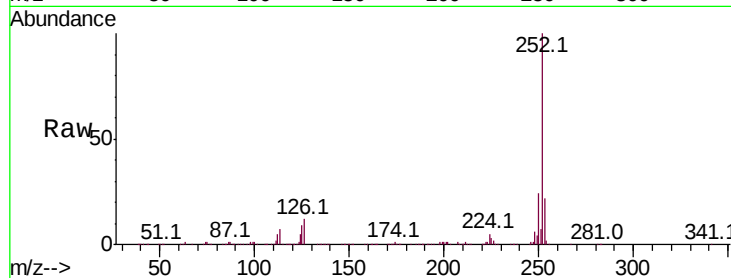
Tot Ion:252 Resp: 1089756

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

125 9.1 9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 20.665 ng

RT: 15.34 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

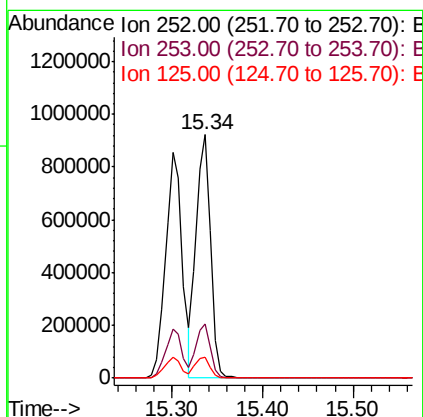
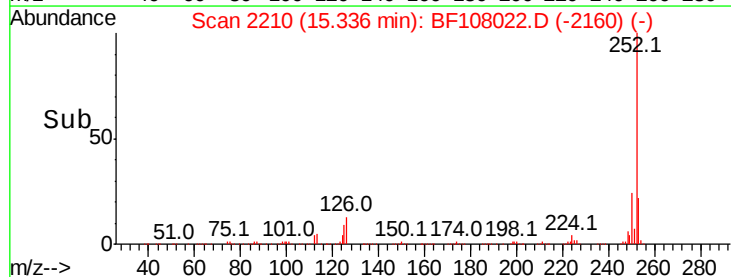
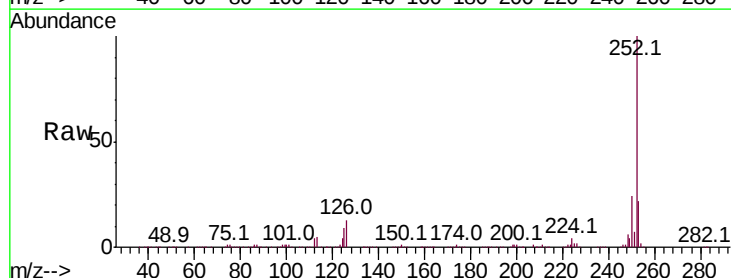
Tgt Ion:252 Resp: 1017201

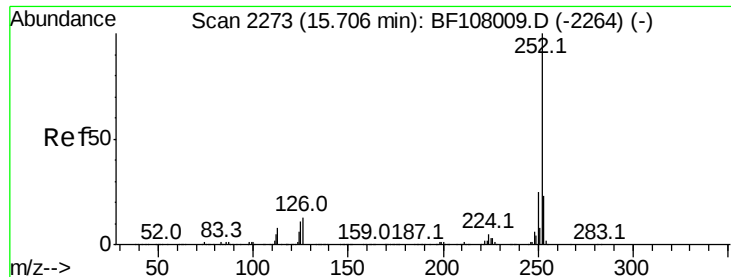
Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 8.8 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 20.237 ng

RT: 15.71 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

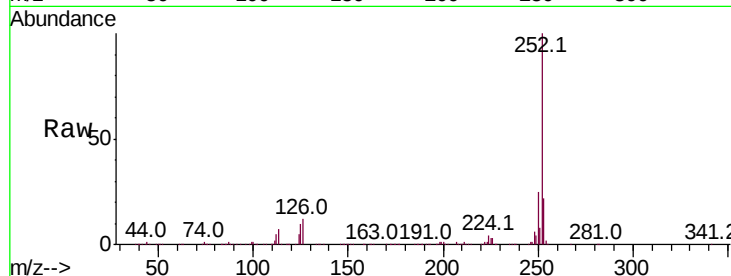
Tot Ion:252 Resp: 970337

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

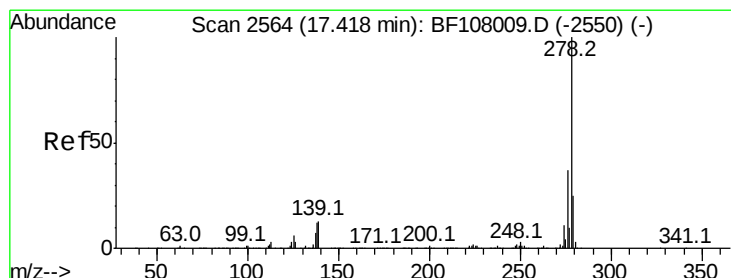
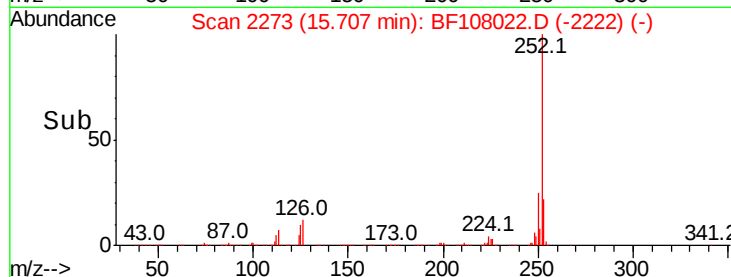
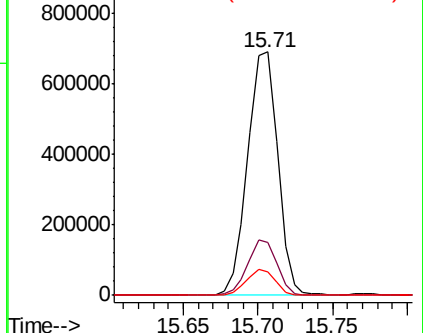
125 9.6 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 19.247 ng

RT: 17.41 min Scan# 2562

Delta R.T. -0.01 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

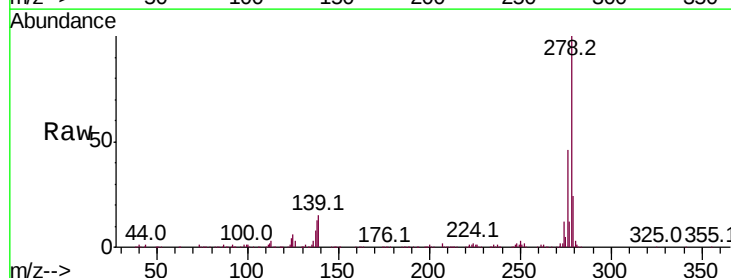
Tgt Ion:278 Resp: 763587

Ion Ratio Lower Upper

278 100

139 14.7 15.9 23.9#

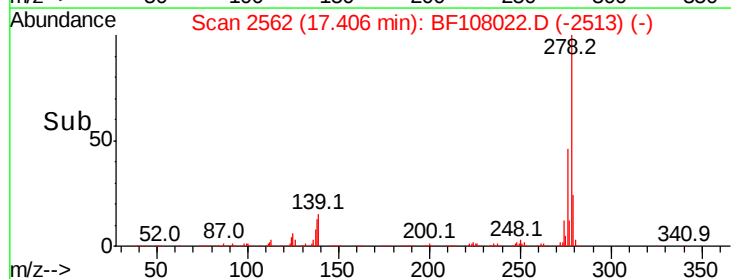
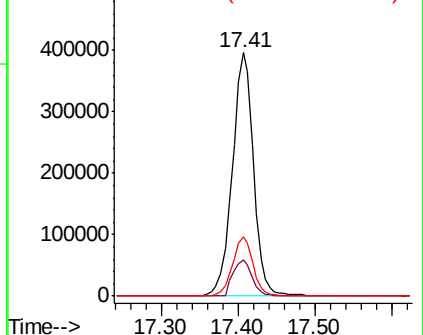
279 24.3 19.0 28.4

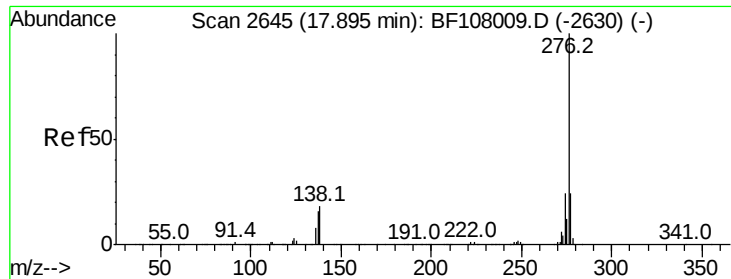


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 18.830 ng

RT: 17.88 min Scan# 2642

Delta R.T. -0.02 min

Lab File: BF108022.D

Acq: 8 Aug 2018 16:27

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:276 Resp: 735614

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 21.7 21.8 32.8#

