

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
 Data File : BF103189.D
 Acq On : 23 Feb 2018 10:39
 Operator : SJ/JU
 Sample : J1161-02
 Misc : LOQ-S-20ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Quant Time: Feb 23 11:49:28 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	171102	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	736101	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	340329	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	570609	20.00	ng	0.00
75) Chrysene-d12	14.07	240	413240	20.00	ng	0.02
86) Perylene-d12	15.59	264	406857	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1351716	119.48	ng	0.00
7) Phenol-d6	6.51	99	1658680	119.82	ng	0.00
23) Nitrobenzene-d5	7.44	82	1302291	101.03	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	354825	123.17	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1862773	97.65	ng	0.00
78) Terphenyl-d14	12.99	244	1550737	90.21	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.64	88	109637	18.349	ng	91
3) Pyridine	3.47	79	295029	18.495	ng	96
4) n-Nitrosodimethylamine	3.36	42	127069	19.752	ng	93
6) Aniline	6.54	93	402273	20.135	ng	96
8) 2-Chlorophenol	6.66	128	223258	18.997	ng	91
9) Benzaldehyde	6.43	77	139610	13.662	ng	99
10) Phenol	6.52	94	301424	18.756	ng	94
11) bis(2-Chloroethyl)ether	6.61	93	244320	20.031	ng	97
12) 1,3-Dichlorobenzene	6.81	146	269317	20.053	ng	96
13) 1,4-Dichlorobenzene	6.89	146	267874	19.894	ng	100
14) 1,2-Dichlorobenzene	7.05	146	241019	19.412	ng	98
15) Benzyl Alcohol	7.01	79	219376	21.030	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.14	45	420079	20.056	ng	99
17) 2-Methylphenol	7.12	107	211445	19.798	ng	98
18) Hexachloroethane	7.38	117	98892	20.175	ng	94
19) n-Nitroso-di-n-propylamine	7.28	70	179695	20.857	ng	94
20) 3+4-Methylphenols	7.27	107	263862	20.267	ng	# 70
22) Acetophenone	7.28	105	354008	20.604	ng	# 92
24) Nitrobenzene	7.46	77	275435	19.409	ng	99
25) Isophorone	7.69	82	496617	19.563	ng	95
26) 2-Nitrophenol	7.77	139	132484	19.831	ng	95
27) 2,4-Dimethylphenol	7.80	122	193409	18.940	ng	99
28) bis(2-Chloroethoxy)methane	7.90	93	299588	20.072	ng	99
29) 2,4-Dichlorophenol	8.01	162	190223	19.456	ng	98
30) 1,2,4-Trichlorobenzene	8.09	180	205047	19.695	ng	98
31) Naphthalene	8.17	128	721929	20.032	ng	99
32) Benzoic acid	7.92	122	141394	22.889	ng	94
33) 4-Chloroaniline	8.23	127	311190	20.011	ng	100
34) Hexachlorobutadiene	8.29	225	107362	19.803	ng	98
35) Caprolactam	8.59	113	66830	19.449	ng	# 80
36) 4-Chloro-3-methylphenol	8.70	107	220119	19.961	ng	99
37) 2-Methylnaphthalene	8.87	142	475097	20.399	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	187734	20.178	ng	98
40) Hexachlorocyclopentadiene	9.02	237	37125	18.945	ng	96

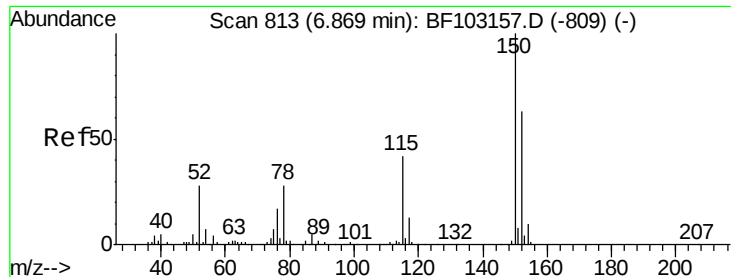
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
 Data File : BF103189.D
 Acq On : 23 Feb 2018 10:39
 Operator : SJ/JU
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	124034	19.813	ng	98
43) 2,4,5-Trichlorophenol	9.19	196	134418	18.668	ng	95
45) 1,1'-Biphenyl	9.33	154	581365	20.386	ng	98
46) 2-Chloronaphthalene	9.36	162	447529	19.836	ng	99
47) 2-Nitroaniline	9.46	65	165411	19.793	ng	93
48) Acenaphthylene	9.77	152	698405	20.119	ng	99
49) Dimethylphthalate	9.63	163	533318	19.534	ng	98
50) 2,6-Dinitrotoluene	9.69	165	113262	19.769	ng #	86
51) Acenaphthene	9.95	154	404921	20.004	ng	100
52) 3-Nitroaniline	9.86	138	139994	19.259	ng #	94
53) 2,4-Dinitrophenol	9.98	184	31186	22.878	ng #	19
54) Dibenzofuran	10.12	168	589454	21.214	ng	97
55) 4-Nitrophenol	10.03	139	77958	17.304	ng	89
56) 2,4-Dinitrotoluene	10.10	165	149268	20.600	ng	91
57) Fluorene	10.46	166	463128	19.566	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.23	232	96339	19.917	ng	96
59) Diethylphthalate	10.33	149	519396	19.891	ng	99
60) 4-Chlorophenyl-phenylether	10.45	204	205730	20.496	ng	96
61) 4-Nitroaniline	10.48	138	137213	18.899	ng	92
62) Azobenzene	10.61	77	545448	20.522	ng	97
64) 4,6-Dinitro-2-methylphenol	10.52	198	65083	21.760	ng	92
65) n-Nitrosodiphenylamine	10.57	169	404887	20.379	ng	99
66) 4-Bromophenyl-phenylether	10.94	248	119251	20.062	ng	95
67) Hexachlorobenzene	11.01	284	127979	19.837	ng	96
68) Atrazine	11.09	200	112751	18.881	ng	99
69) Pentachlorophenol	11.20	266	59081	18.939	ng	95
70) Phenanthrene	11.43	178	628961	20.029	ng	98
71) Anthracene	11.47	178	651790	20.241	ng	100
72) Carbazole	11.63	167	639044	19.928	ng	99
73) Di-n-butylphthalate	11.95	149	812940	20.260	ng	99
74) Fluoranthene	12.62	202	625709	19.829	ng	98
76) Benzidine	12.73	184	206720	13.381	ng	96
77) Pyrene	12.84	202	651351	20.217	ng	100
79) Butylbenzylphthalate	13.46	149	336351	19.759	ng	93
80) Benzo(a)anthracene	14.06	228	530963	19.803	ng	99
81) 3,3'-Dichlorobenzidine	14.02	252	178331	18.637	ng	97
82) Chrysene	14.10	228	525795	20.196	ng	97
83) Bis(2-ethylhexyl)phthalate	14.03	149	483521	21.049	ng #	100
84) Di-n-octyl phthalate	14.68	149	743934	20.044	ng	99
85) Indeno(1,2,3-cd)pyrene	17.10	276	455797	22.115	ng	98
87) Benzo(b)fluoranthene	15.15	252	482240	18.027	ng	98
88) Benzo(k)fluoranthene	15.18	252	498535	19.791	ng	99
89) Benzo(a)pyrene	15.53	252	463374	19.398	ng	98
90) Dibenzo(a,h)anthracene	17.12	278	372981	20.206	ng	96
91) Benzo(g,h,i)perylene	17.57	276	375959	20.840	ng	98

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

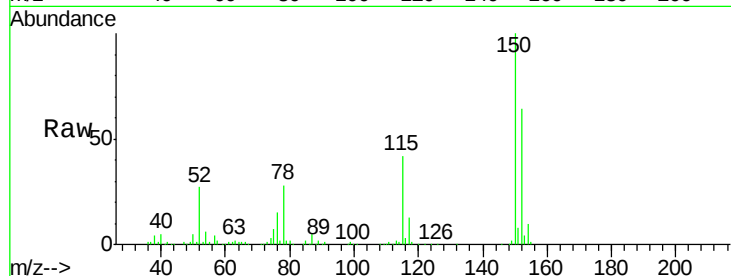


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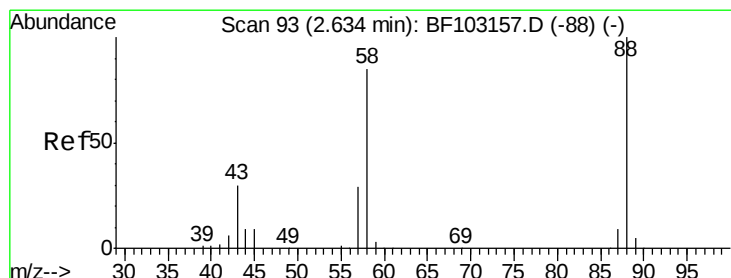
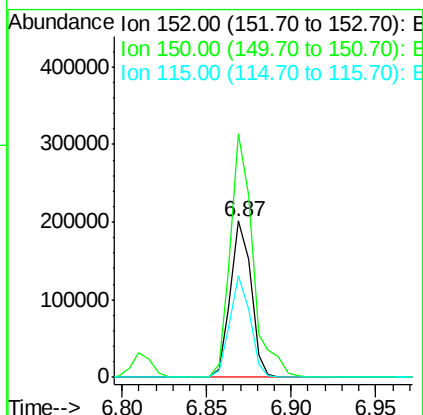
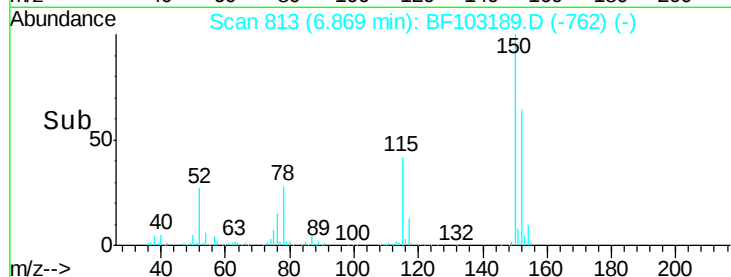
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion:152 Resp: 171102
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 65.0 50.1 75.1



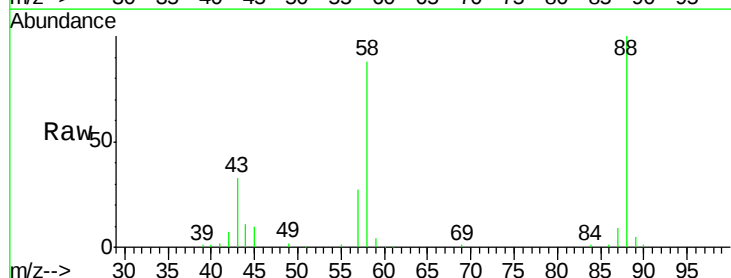
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



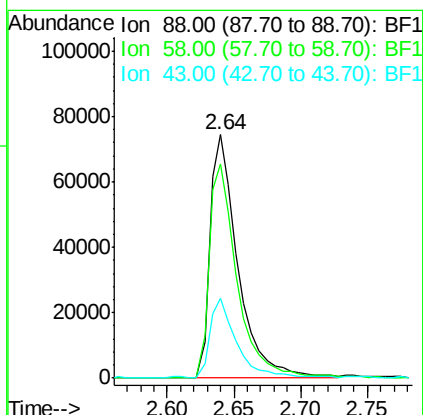
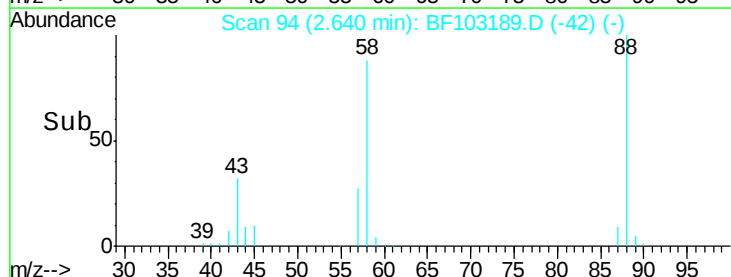
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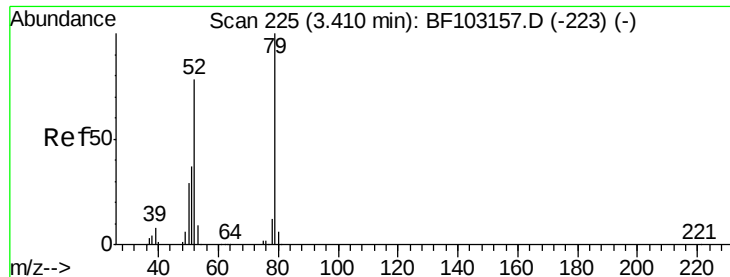
1,4-Dioxane
Concen: 18.349 ng
RT: 2.64 min Scan# 94
Delta R.T. 0.01 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion: 88 Resp: 109637
Ion Ratio Lower Upper
88 100
58 88.6 62.6 93.8
43 31.1 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

Pyridine

Concen: 18.495 ng

RT: 3.47 min Scan# 236

Delta R.T. 0.06 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

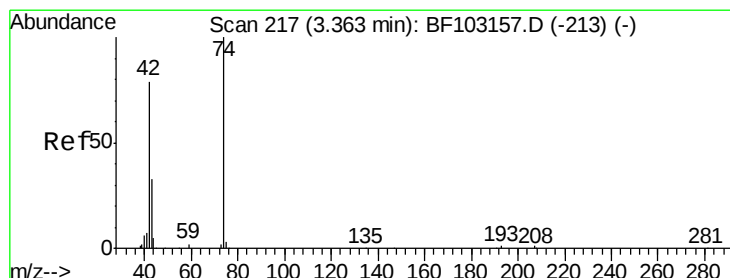
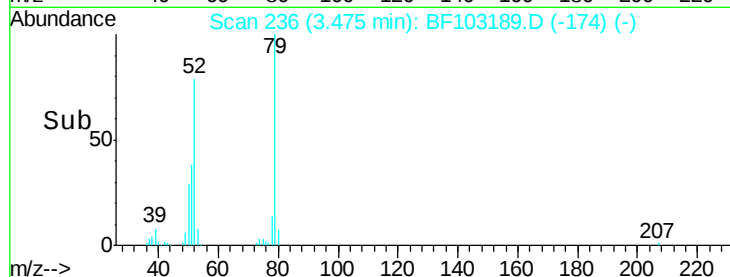
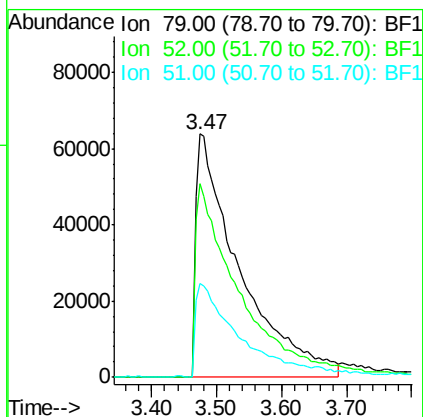
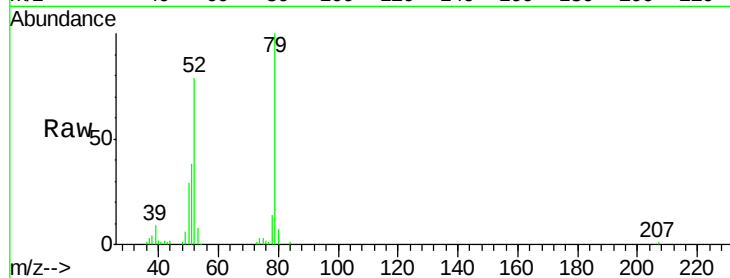
Tgt Ion: 79 Resp: 295029

Ion Ratio Lower Upper

79 100

52 79.5 59.8 89.6

51 38.3 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 19.752 ng

RT: 3.36 min Scan# 217

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

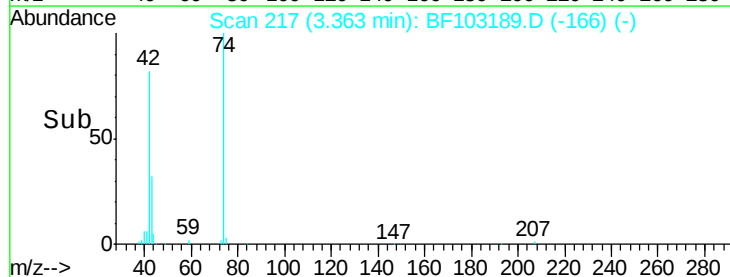
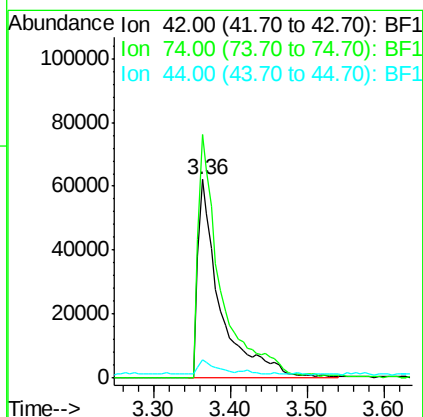
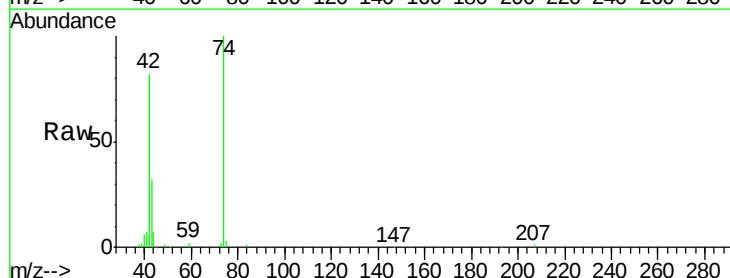
Tgt Ion: 42 Resp: 127069

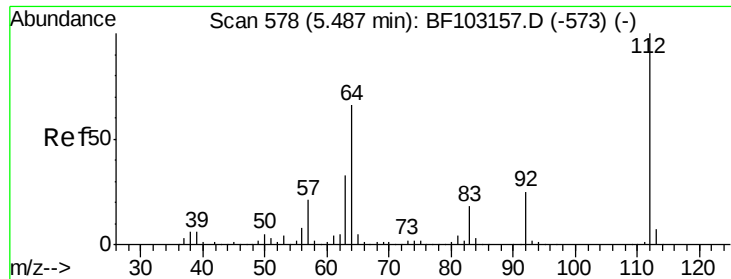
Ion Ratio Lower Upper

42 100

74 122.5 104.9 157.3

44 9.2 6.9 10.3





#5

2-Fluorophenol

Concen: 119.483 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

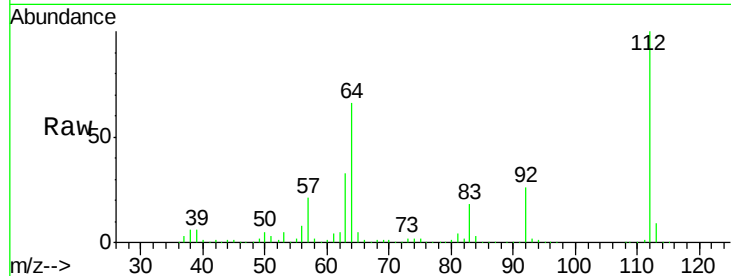
Tgt Ion: 112 Resp: 1351716

Ion Ratio Lower Upper

112 100

64 65.6 47.9 71.9

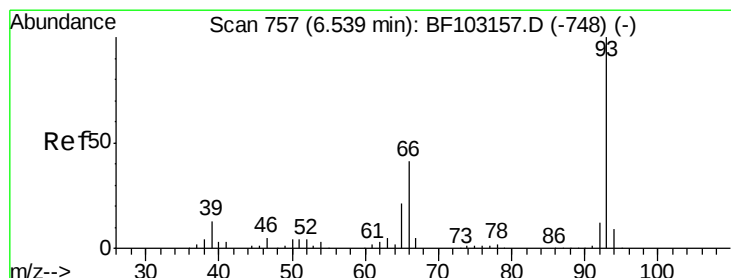
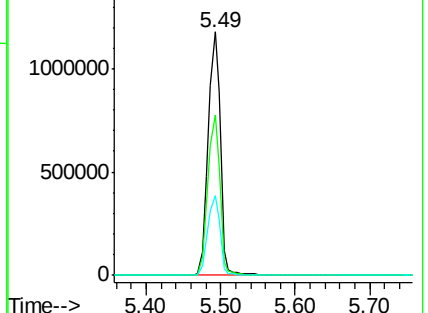
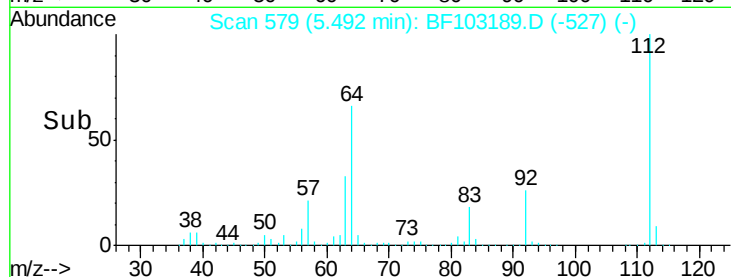
63 32.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 20.135 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

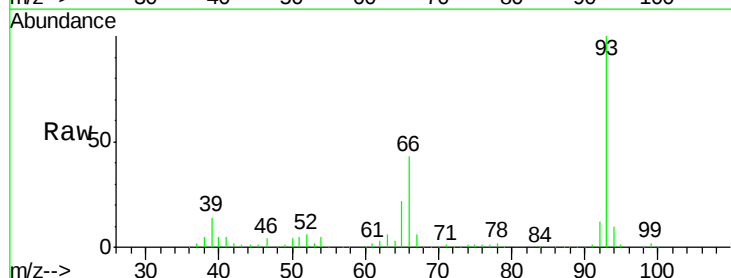
Tgt Ion: 93 Resp: 402273

Ion Ratio Lower Upper

93 100

66 42.5 32.2 48.2

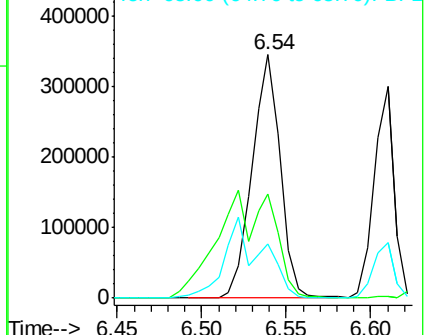
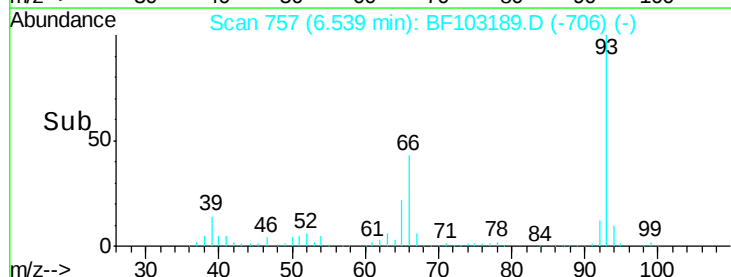
65 22.2 16.4 24.6

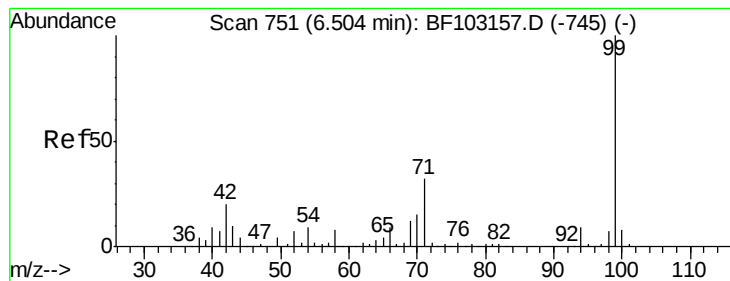


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 119.819 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103189.D

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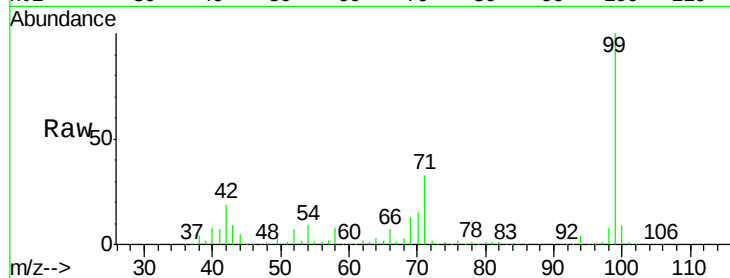
Tgt Ion: 99 Resp: 1658680

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

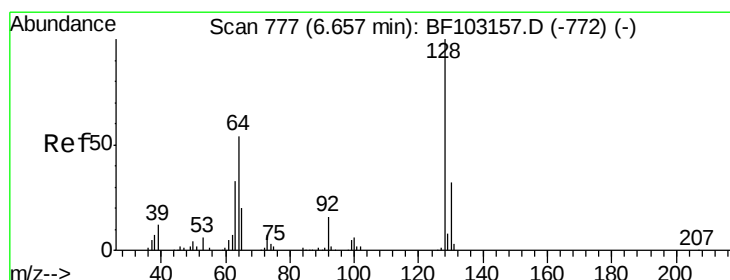
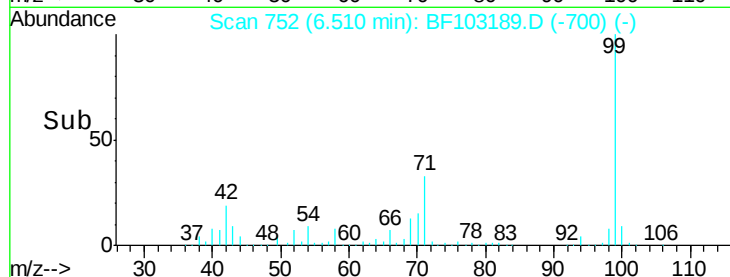
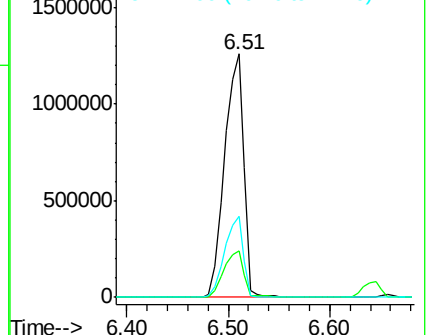
71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 18.997 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

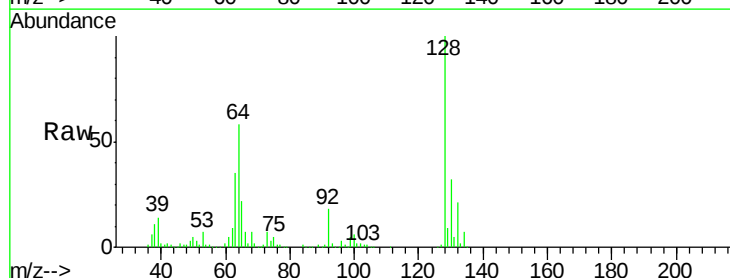
Tgt Ion:128 Resp: 223258

Ion Ratio Lower Upper

128 100

130 31.9 13.0 53.0

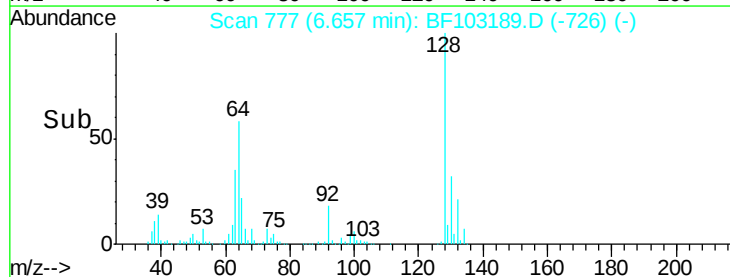
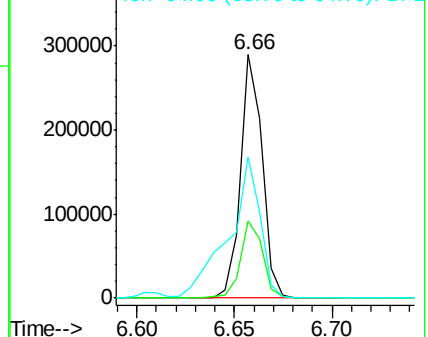
64 58.2 29.4 69.4

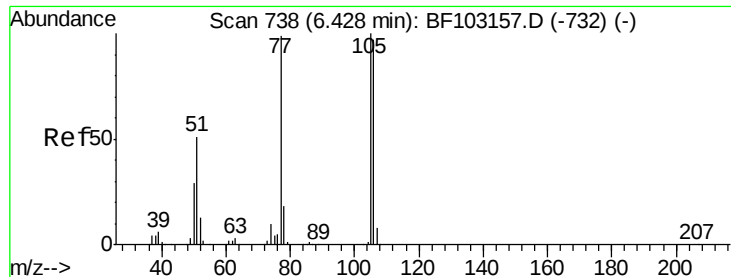


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 13.662 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT1-2018

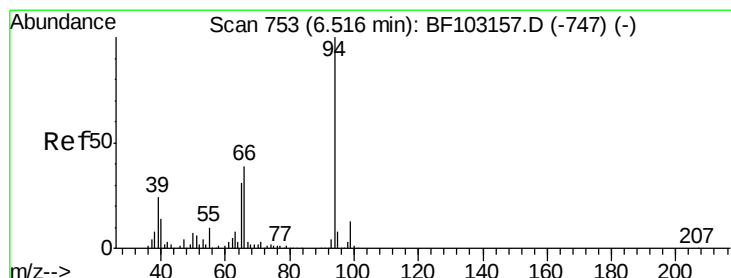
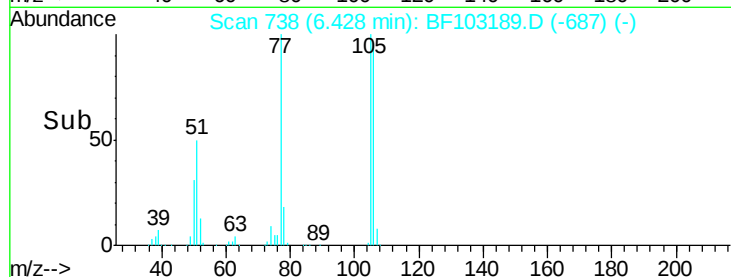
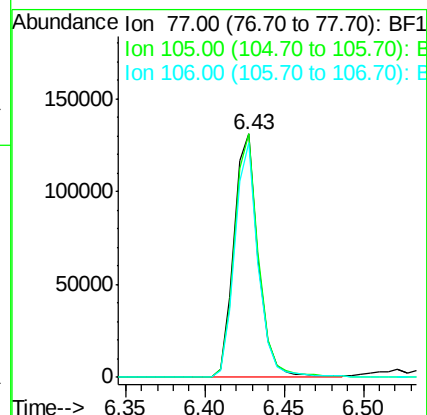
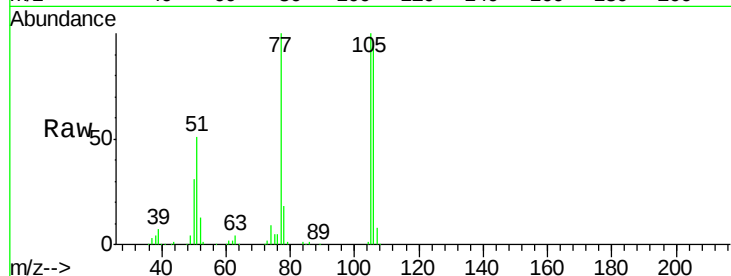
Tgt Ion: 77 Resp: 139610

Ion Ratio Lower Upper

77 100

105 100.0 81.1 121.1

106 96.3 74.5 114.5



#10

Phenol

Concen: 18.756 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

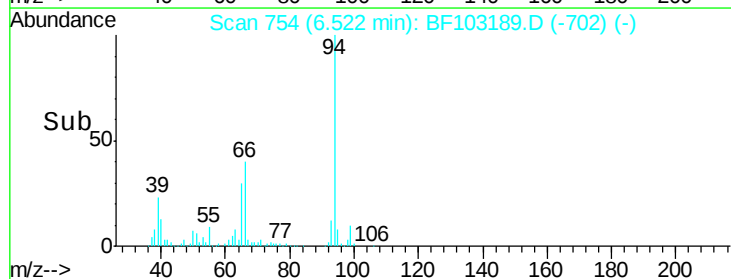
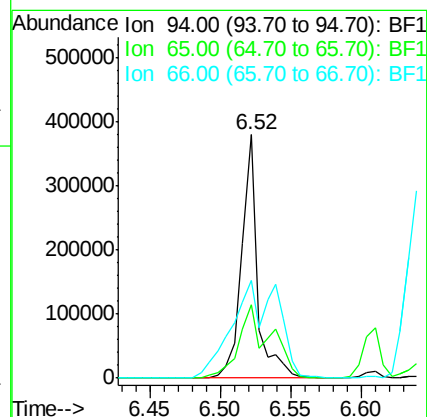
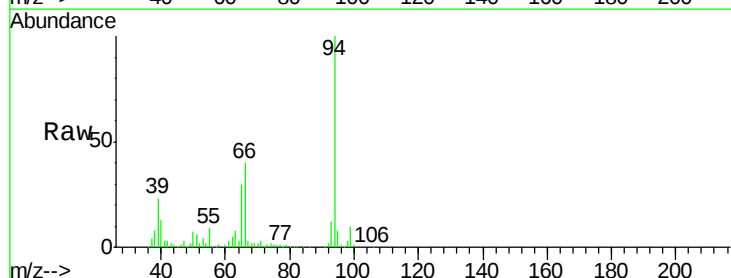
Tgt Ion: 94 Resp: 301424

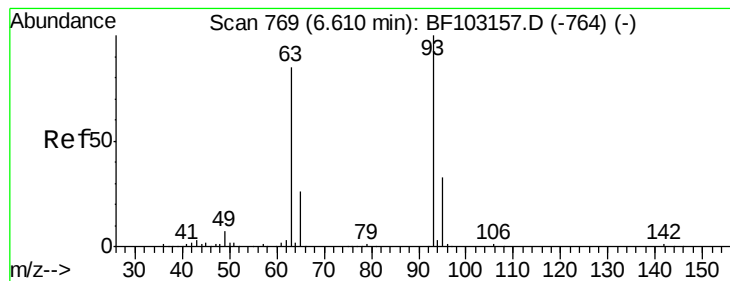
Ion Ratio Lower Upper

94 100

65 30.3 7.9 47.9

66 40.0 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 20.031 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

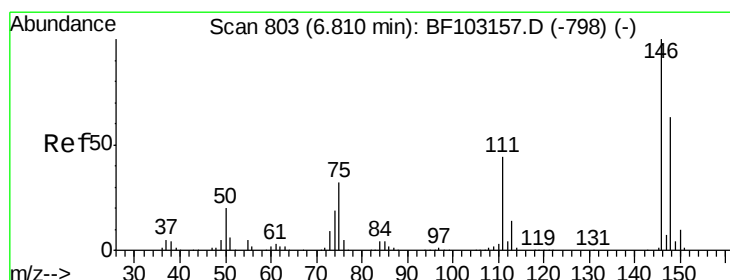
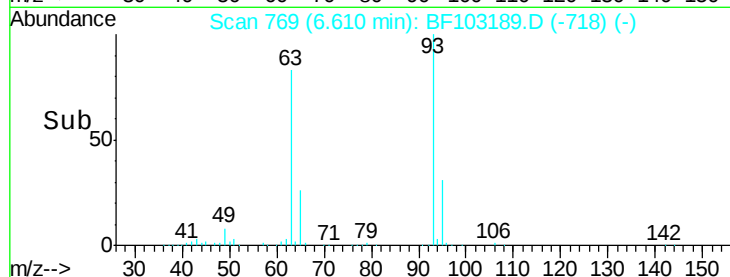
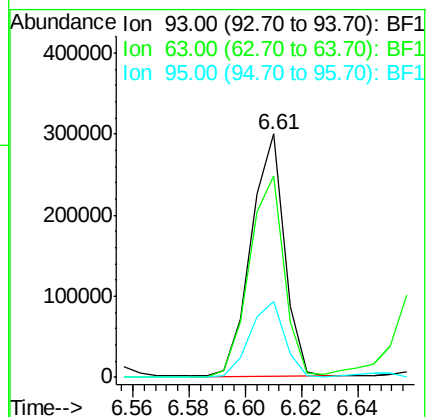
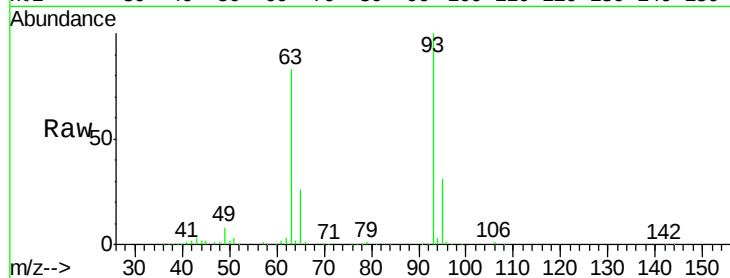
Tgt Ion: 93 Resp: 244320

Ion Ratio Lower Upper

93 100

63 82.6 58.6 98.6

95 31.4 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 20.053 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

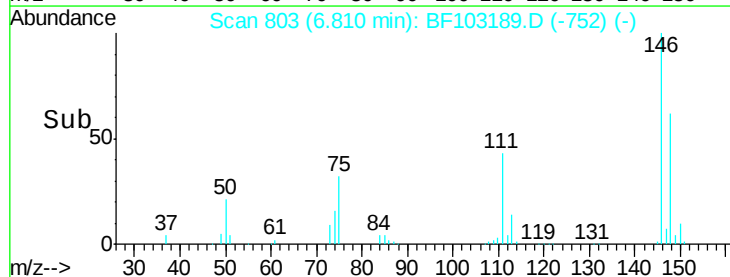
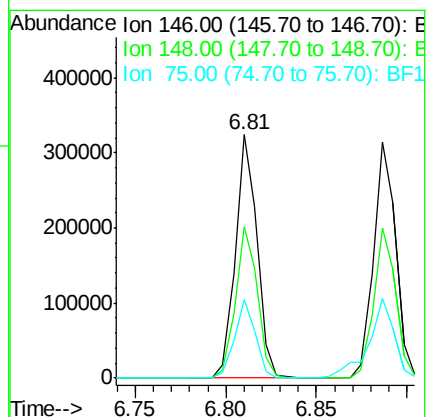
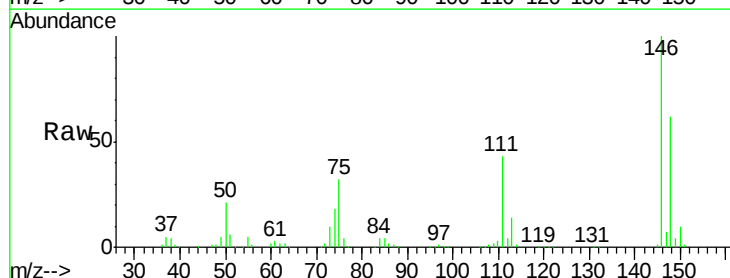
Tgt Ion: 146 Resp: 269317

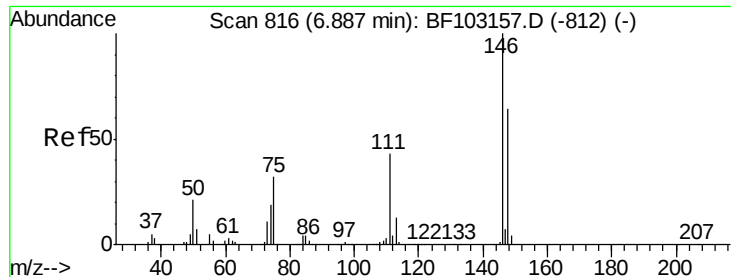
Ion Ratio Lower Upper

146 100

148 62.0 51.8 77.8

75 32.3 24.2 36.4

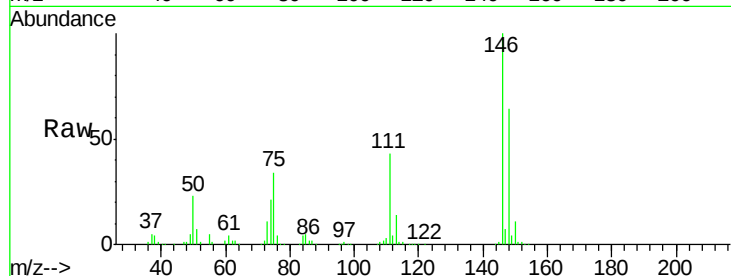




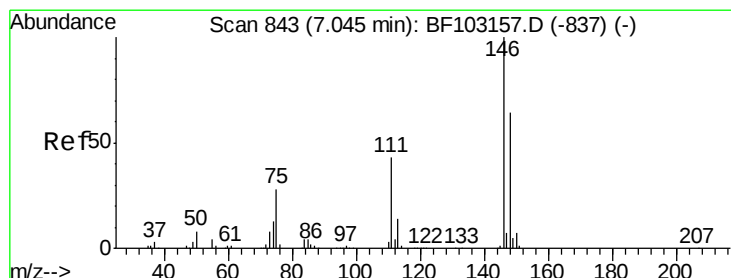
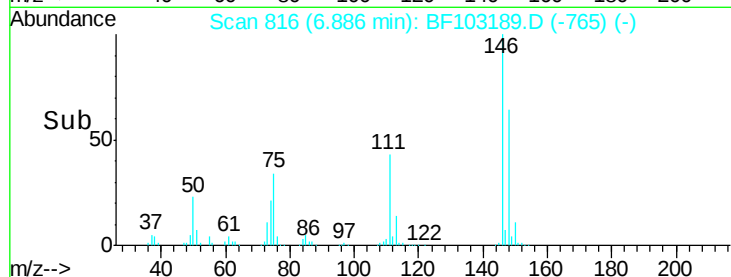
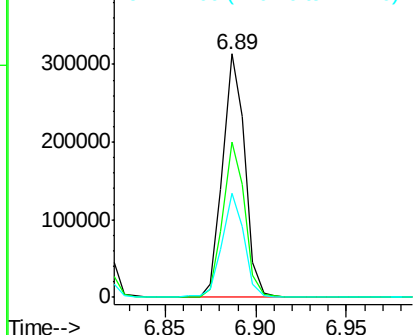
#13
 1,4-Dichlorobenzene
 Concen: 19.894 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion:146 Resp: 267874
 Ion Ratio Lower Upper
 146 100
 148 63.8 50.8 76.2
 111 42.9 34.2 51.2

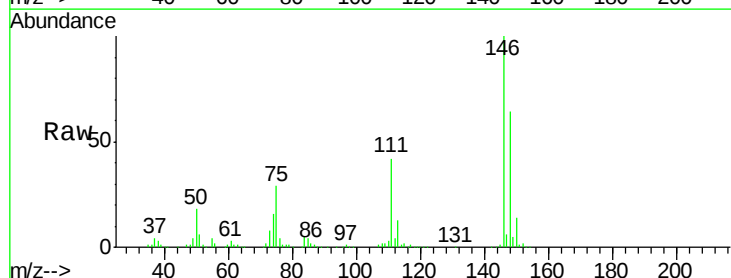


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

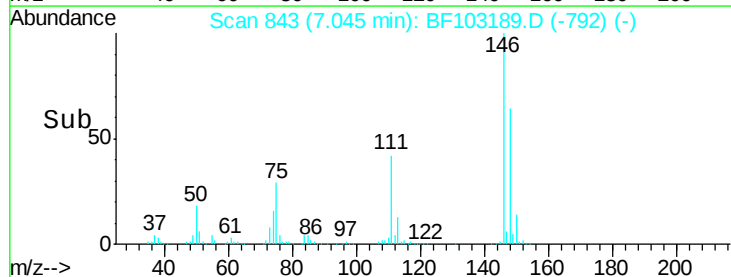
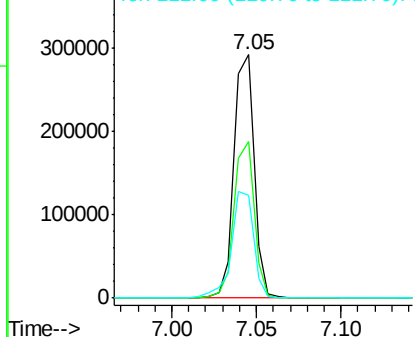


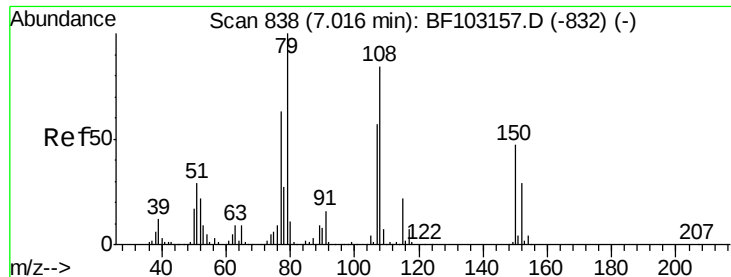
#14
 1,2-Dichlorobenzene
 Concen: 19.412 ng
 RT: 7.05 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:146 Resp: 241019
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.6 75.8
 111 42.2 36.0 54.0



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





#15

Benzyl Alcohol

Concen: 21.030 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

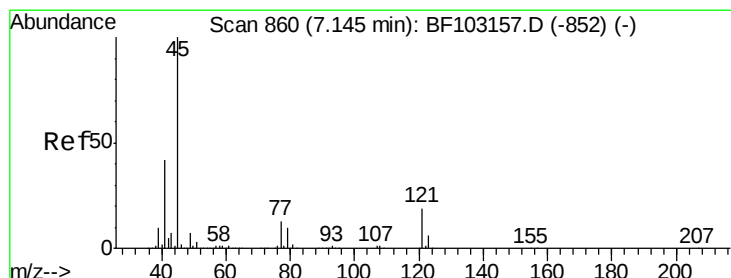
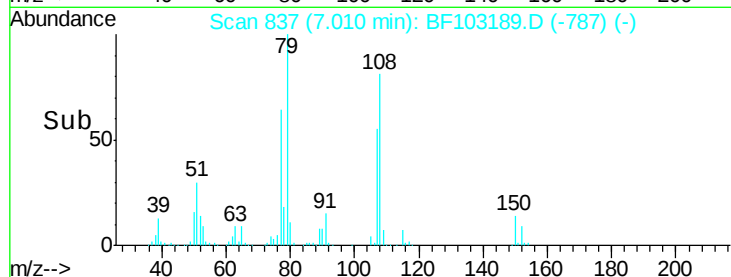
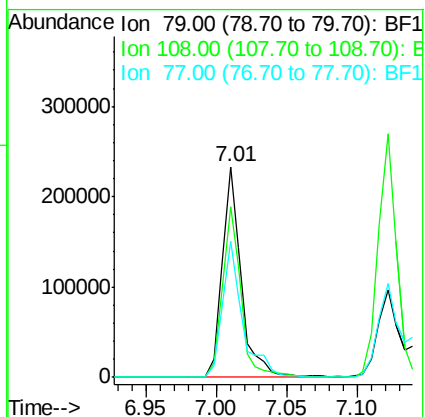
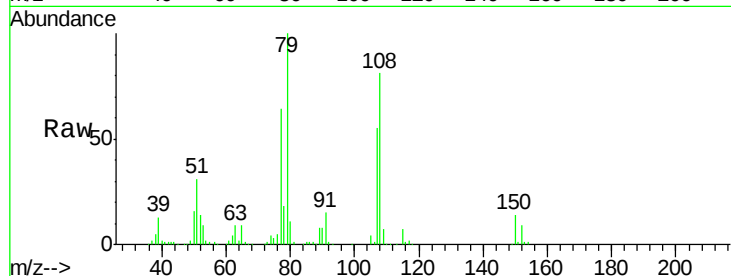
Tgt Ion: 79 Resp: 219376

Ion Ratio Lower Upper

79 100

108 81.3 65.1 97.7

77 64.5 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.056 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

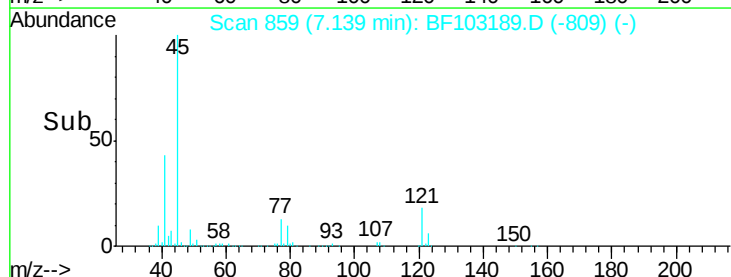
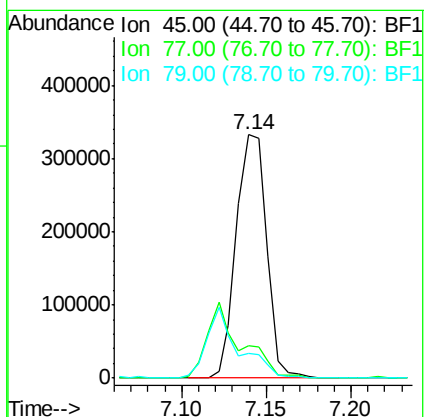
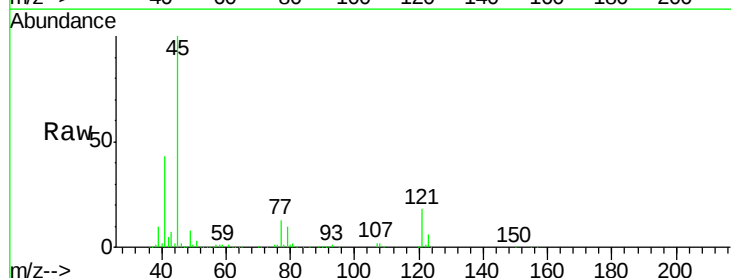
Tgt Ion: 45 Resp: 420079

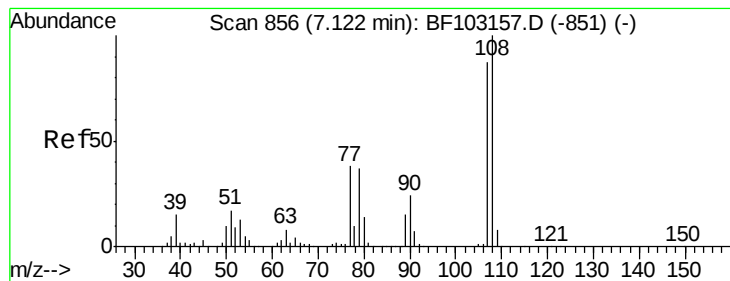
Ion Ratio Lower Upper

45 100

77 13.1 0.0 32.9

79 10.2 0.0 29.6





#17

2-Methylphenol

Concen: 19.798 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:107 Resp: 211445

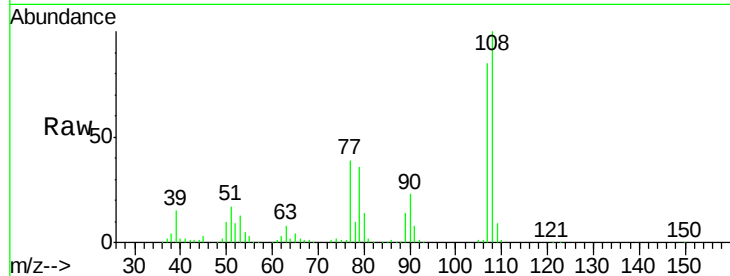
Ion Ratio Lower Upper

107 100

108 117.3 91.7 137.5

77 45.3 33.8 50.8

79 42.3 33.8 50.8

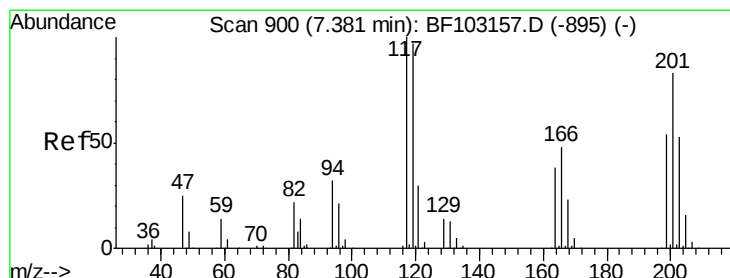
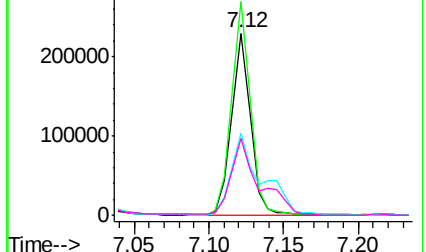
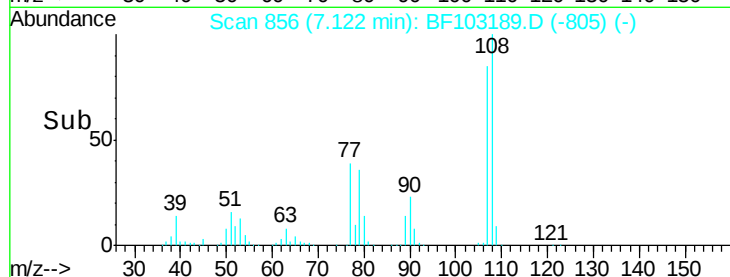


Abundance Ion 107.00 (106.70 to 107.70): E

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: 20.175 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

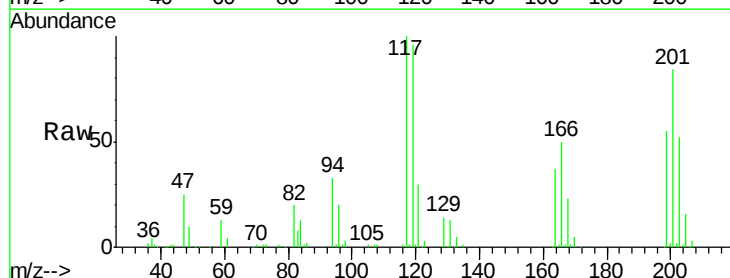
Tgt Ion:117 Resp: 98892

Ion Ratio Lower Upper

117 100

119 95.5 75.8 113.8

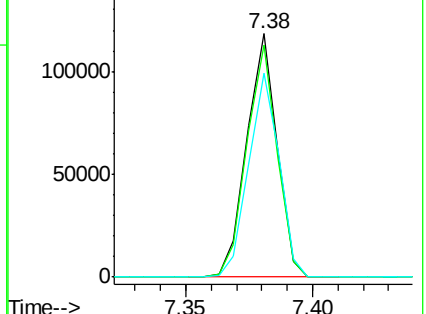
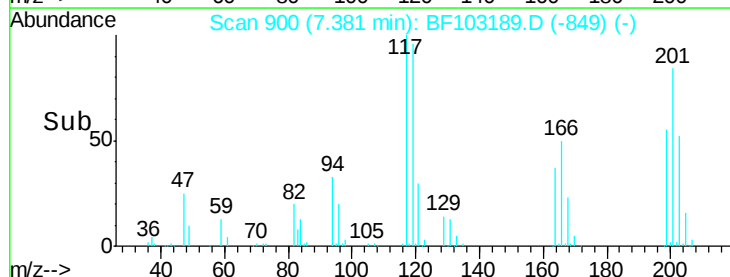
201 83.8 75.7 113.5

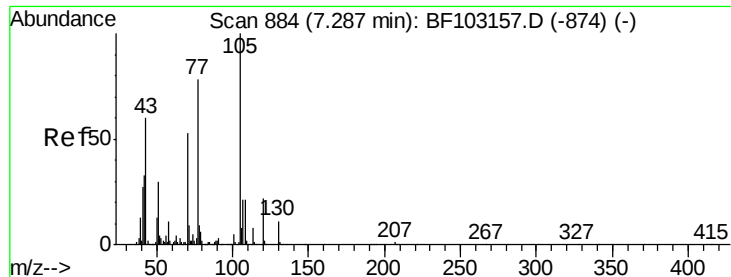


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

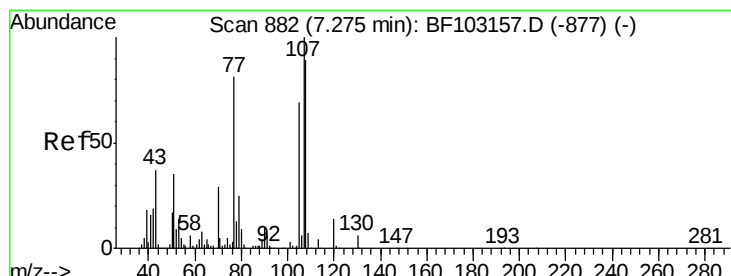
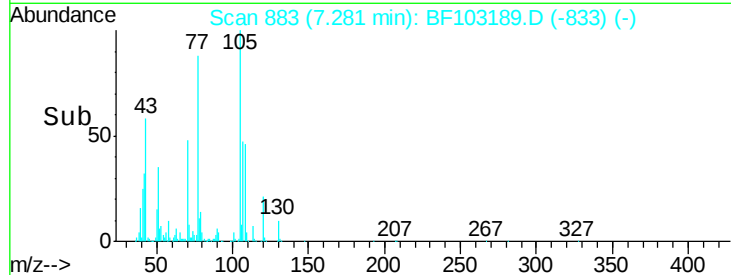
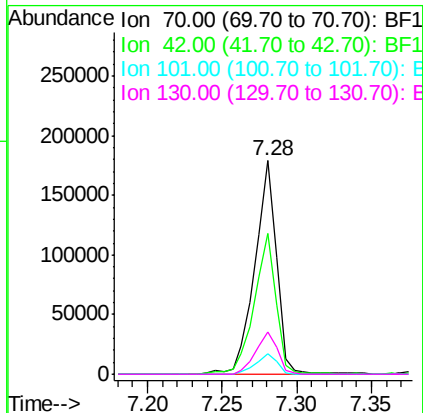
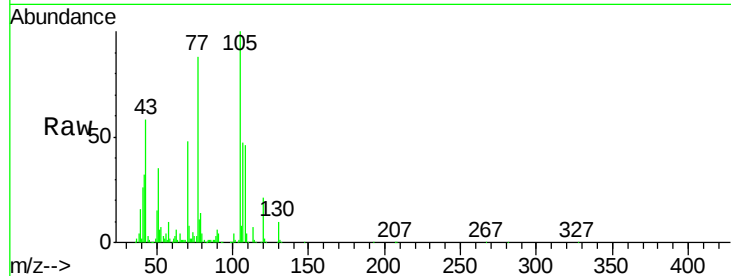




#19
n-Nitroso-di-n-propylamine
Concen: 20.857 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

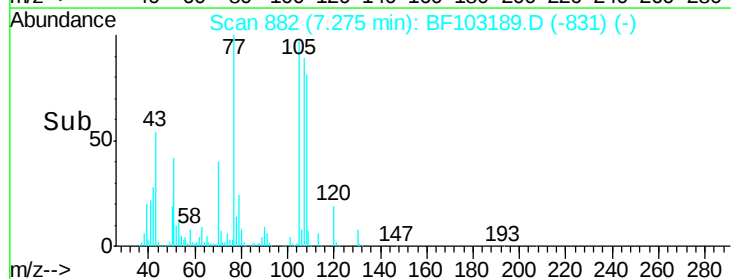
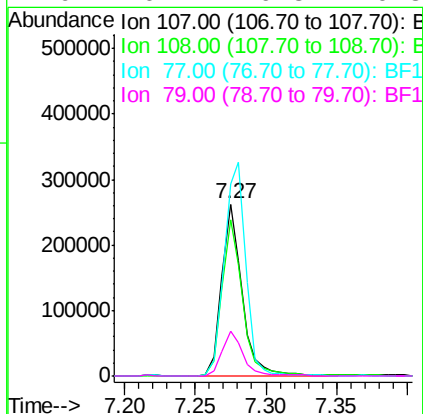
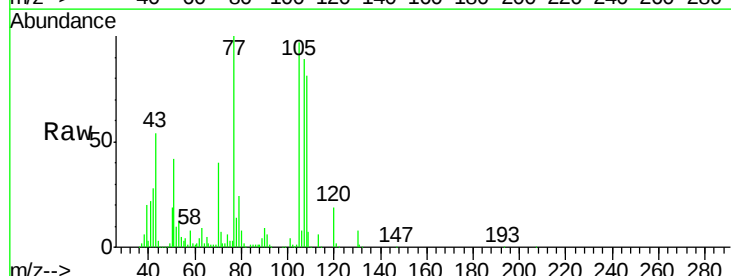
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

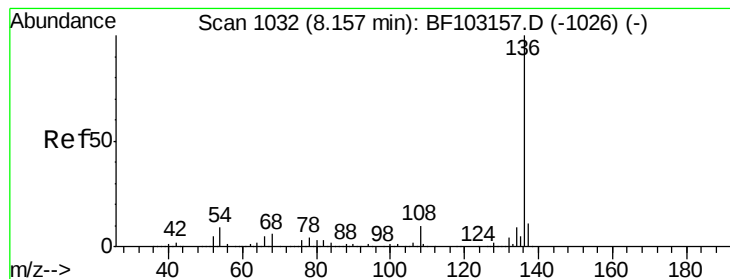
Tgt Ion:	70	Resp:	179695
Ion	Ratio	Lower	Upper
70	100		
42	66.2	47.5	71.3
101	9.3	7.4	11.2
130	19.8	16.6	25.0



#20
3+4-Methylphenols
Concen: 20.267 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion:	107	Resp:	263862
Ion	Ratio	Lower	Upper
107	100		
108	91.0	68.2	108.2
77	111.8	26.7	66.7#
79	26.4	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:136 Resp: 736101

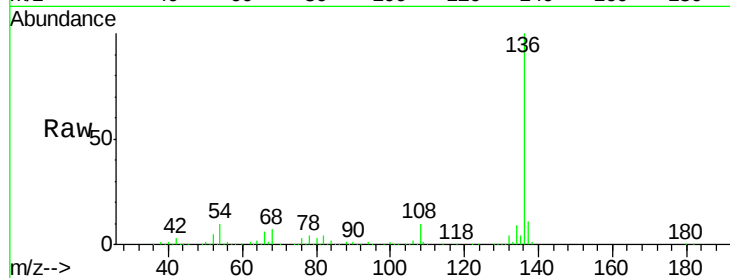
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 10.1 6.6 9.8#

68 7.1 5.0 7.4

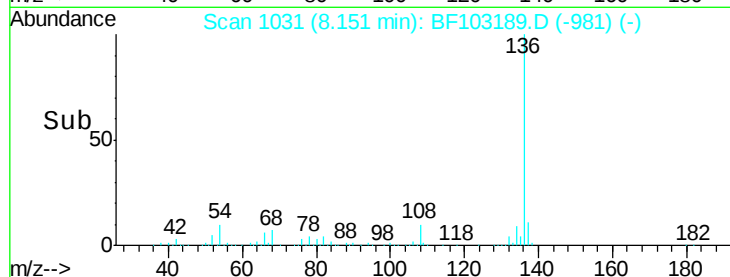


Abundance Ion 136.00 (135.70 to 136.70): E

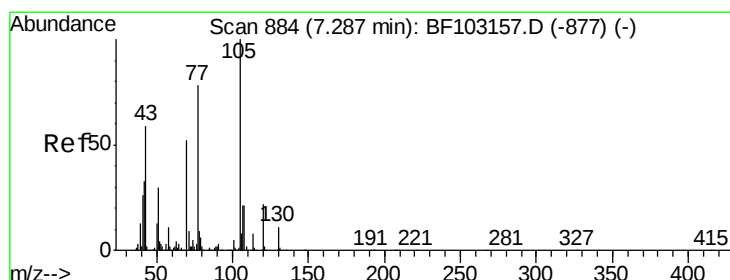
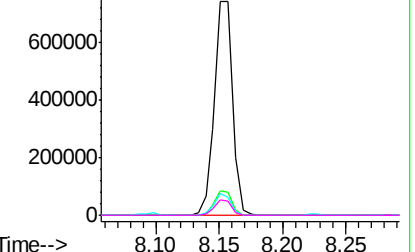
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 20.604 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Tgt Ion:105 Resp: 354008

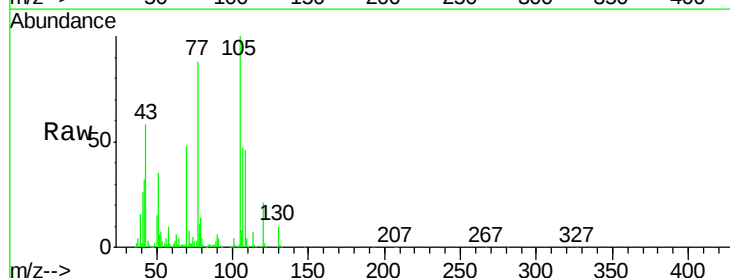
Ion Ratio Lower Upper

105 100

71 8.3 4.4 6.6#

51 34.7 22.3 33.5#

120 21.4 16.9 25.3

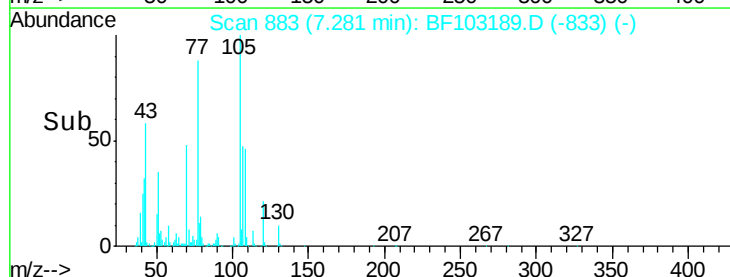


Abundance Ion 105.00 (104.70 to 105.70): E

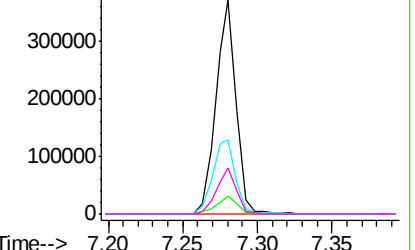
Ion 71.00 (70.70 to 71.70): BF1

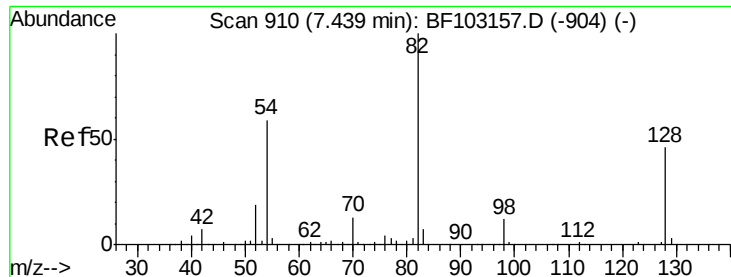
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->

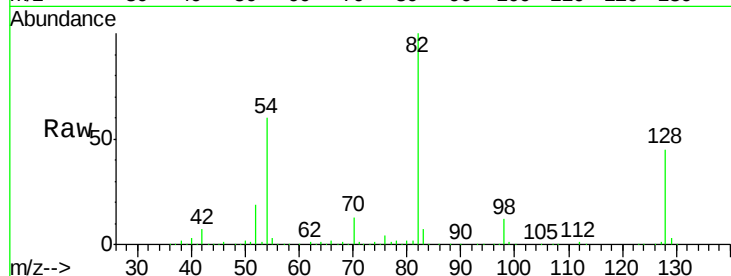




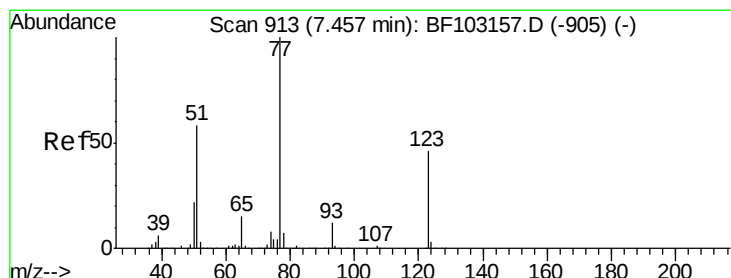
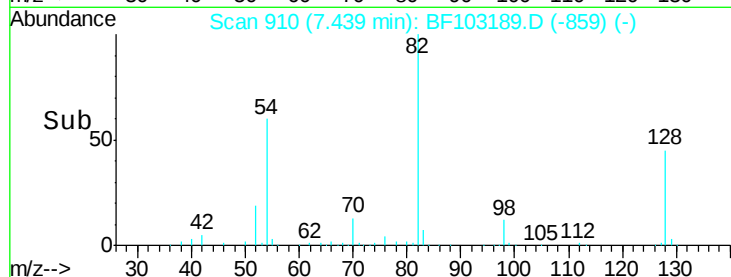
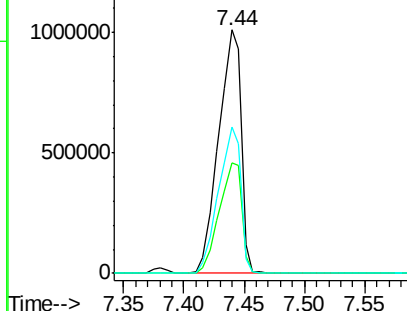
#23
 Nitrobenzene-d5
 Concen: 101.035 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion: 82 Resp: 1302291
 Ion Ratio Lower Upper
 82 100
 128 45.3 36.1 54.1
 54 60.3 41.4 62.2

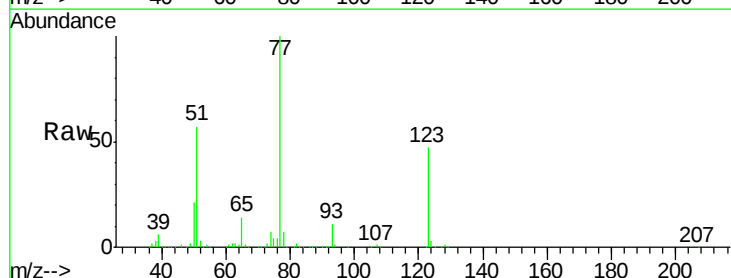


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

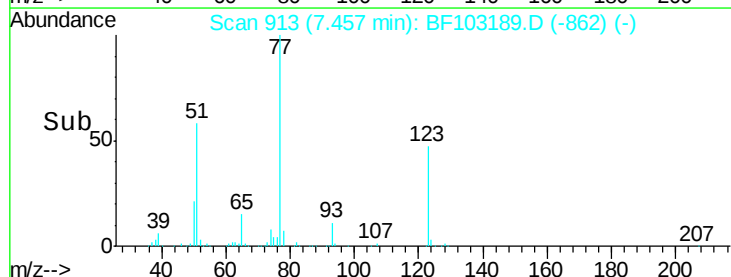
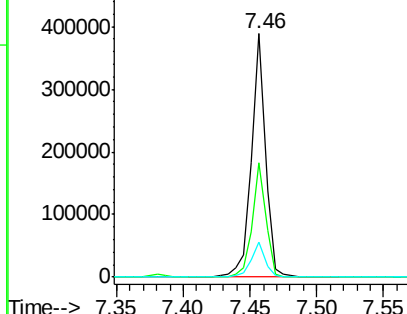


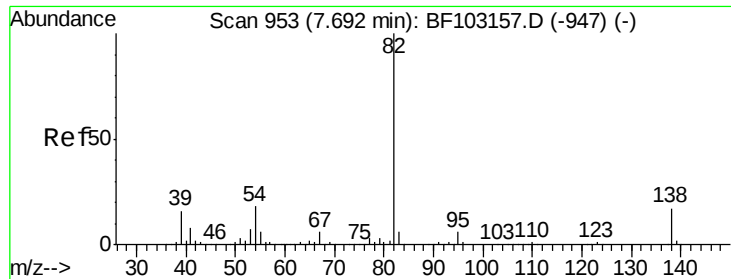
#24
 Nitrobenzene
 Concen: 19.409 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion: 77 Resp: 275435
 Ion Ratio Lower Upper
 77 100
 123 47.2 37.9 56.9
 65 14.4 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 19.563 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

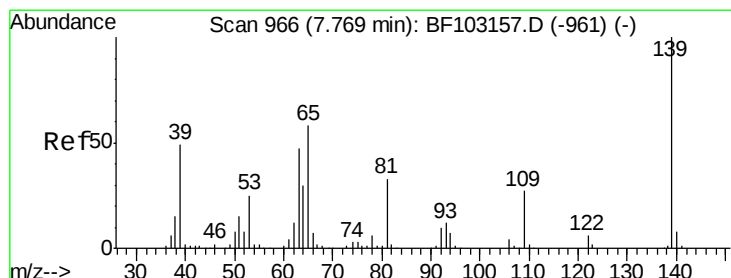
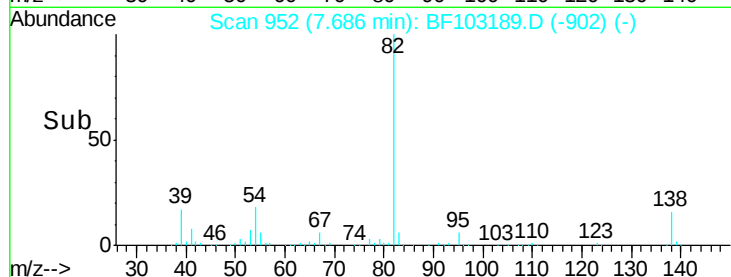
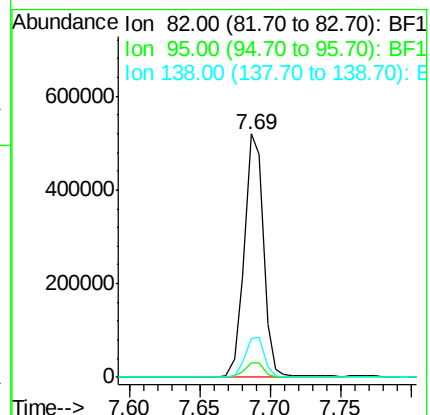
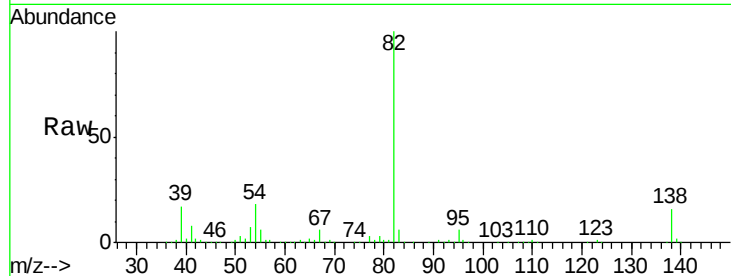
Tgt Ion: 82 Resp: 496617

Ion Ratio Lower Upper

82 100

95 6.0 5.2 7.8

138 15.9 14.9 22.3



#26

2-Nitrophenol

Concen: 19.831 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

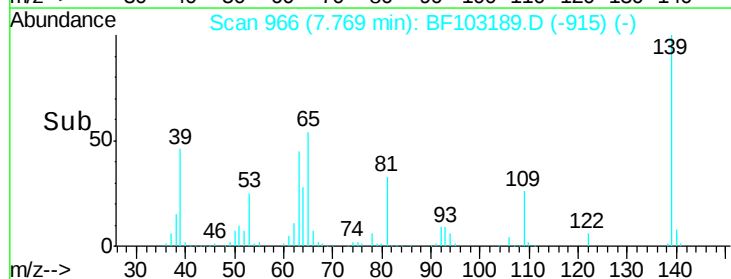
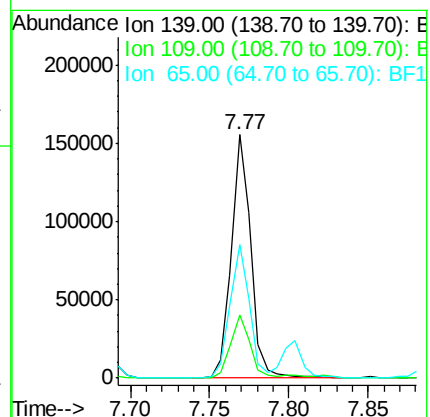
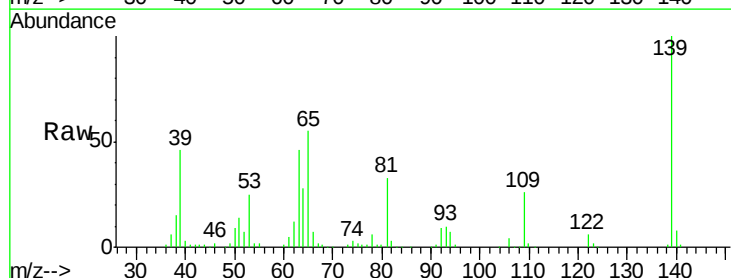
Tgt Ion: 139 Resp: 132484

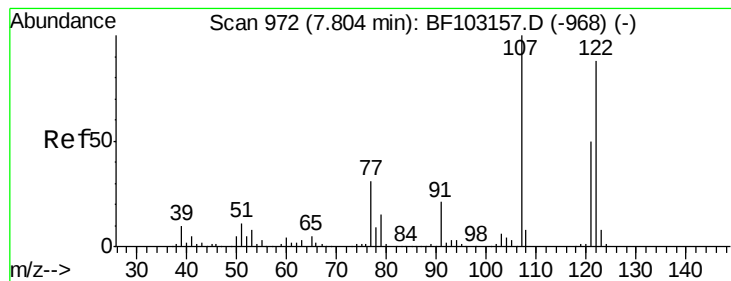
Ion Ratio Lower Upper

139 100

109 26.1 22.7 34.1

65 54.8 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 18.940 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

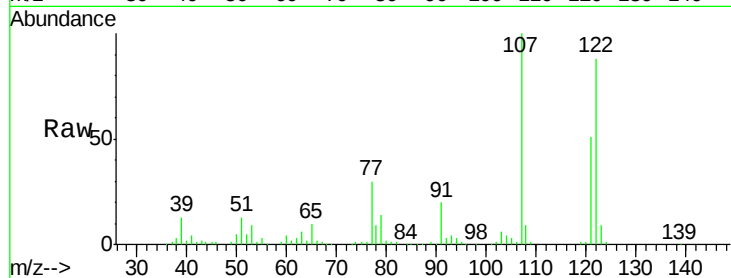
Tgt Ion:122 Resp: 193409

Ion Ratio Lower Upper

122 100

107 113.6 91.2 136.8

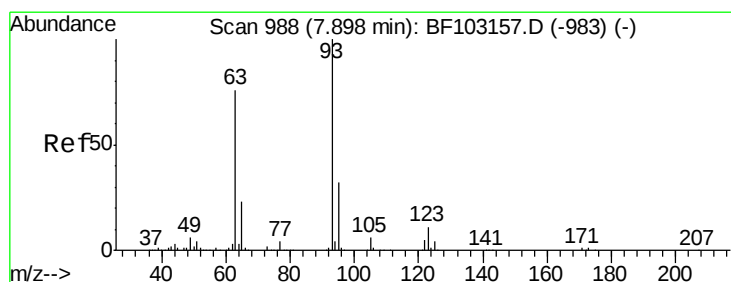
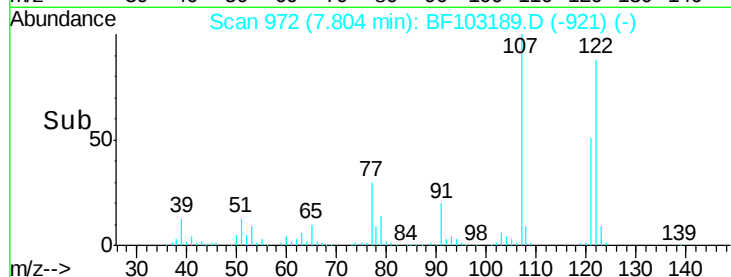
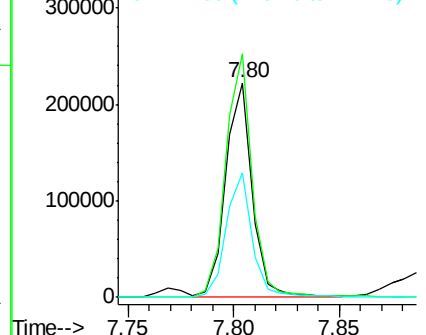
121 58.1 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 20.072 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

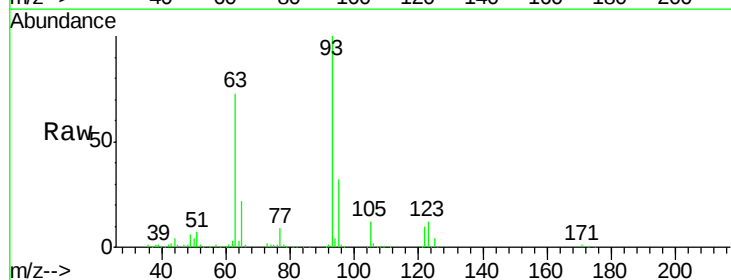
Tgt Ion: 93 Resp: 299588

Ion Ratio Lower Upper

93 100

95 31.9 26.3 39.5

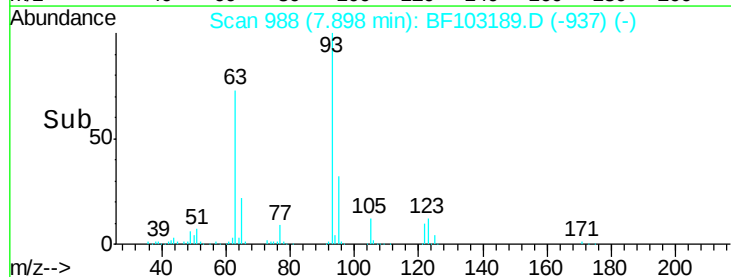
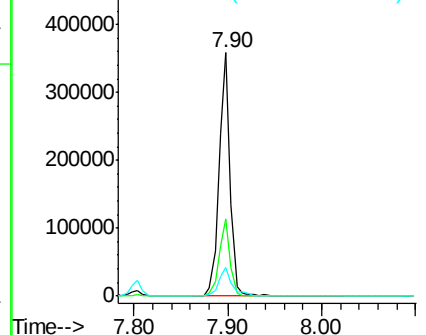
123 12.0 9.8 14.6

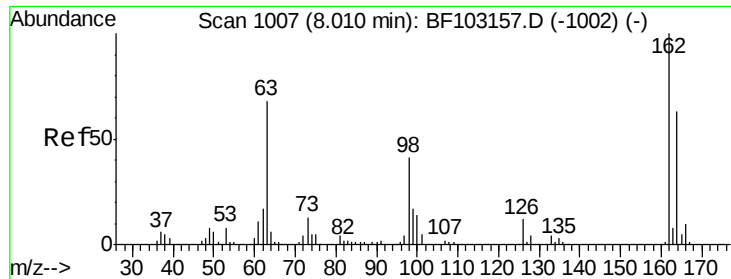


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

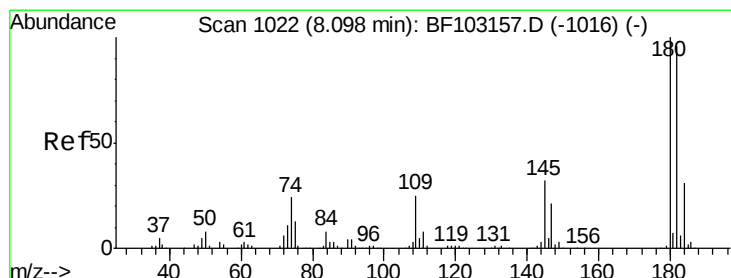
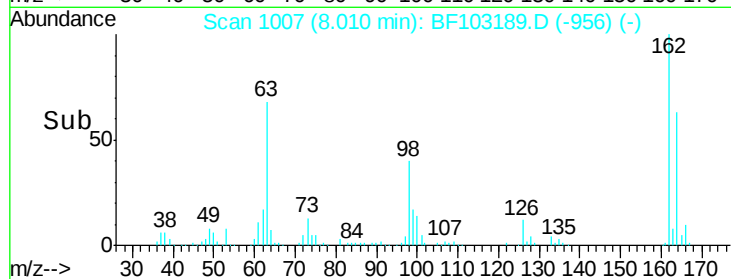
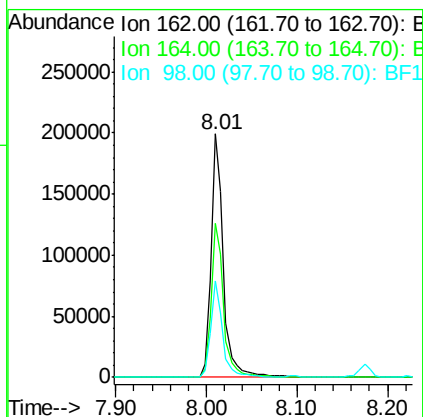
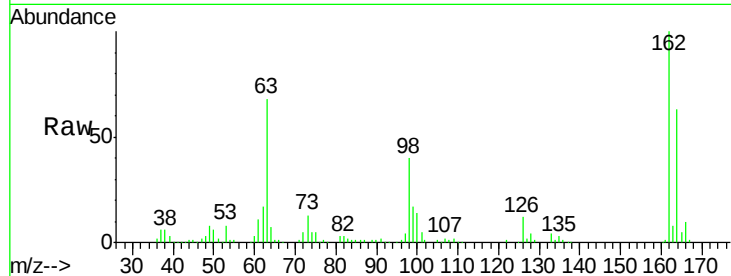




#29
 2,4-Dichlorophenol
 Concen: 19.456 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

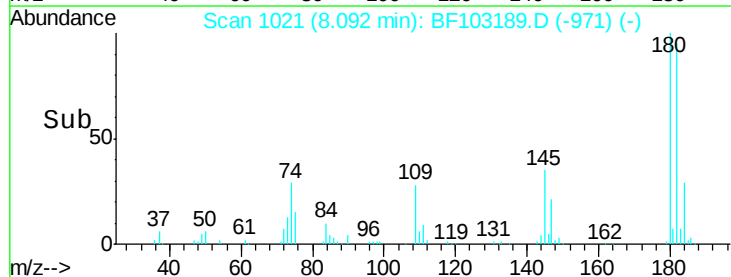
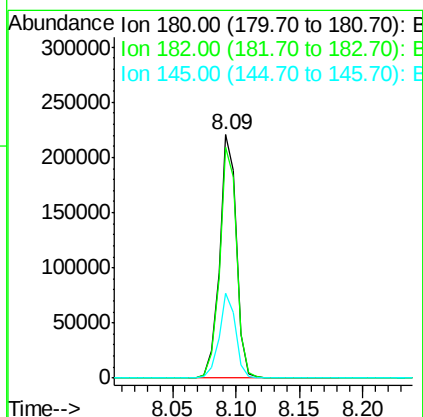
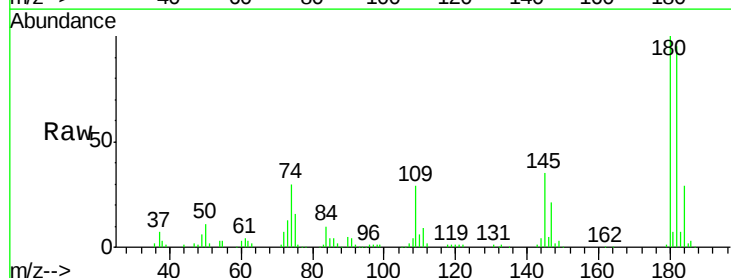
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

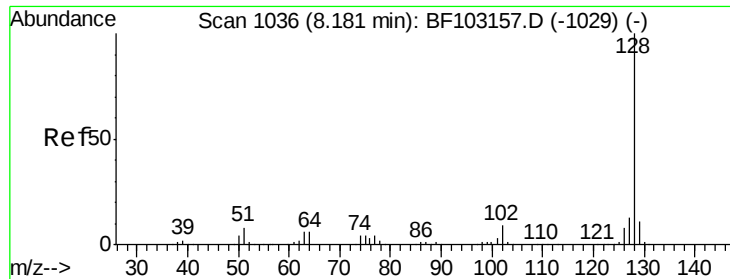
Tgt Ion:162 Resp: 190223
 Ion Ratio Lower Upper
 162 100
 164 63.5 42.7 82.7
 98 39.7 18.1 58.1



#30
 1,2,4-Trichlorobenzene
 Concen: 19.695 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:180 Resp: 205047
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.8 115.2
 145 35.1 26.5 39.7

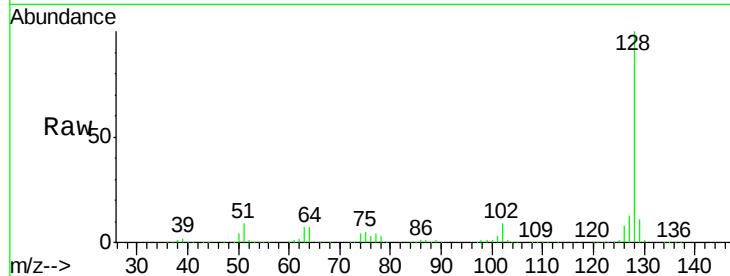




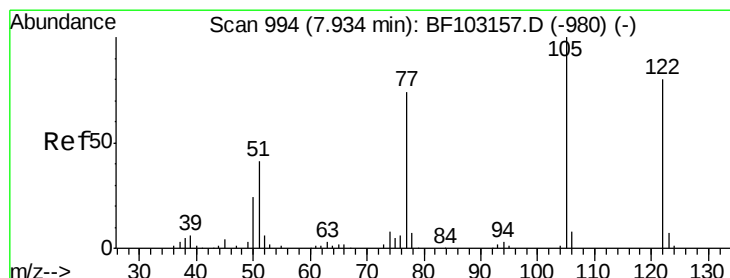
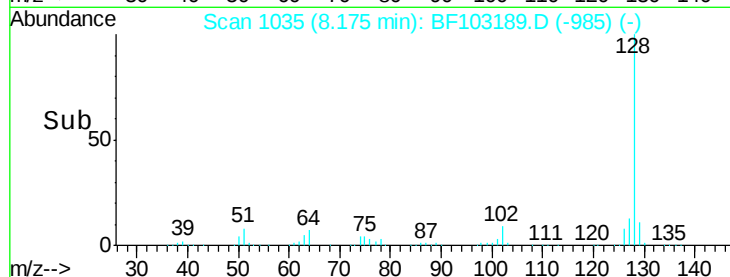
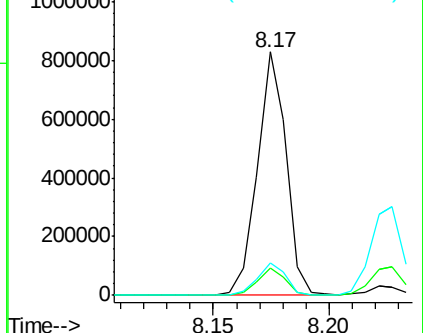
#31
Naphthalene
Concen: 20.032 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion:128 Resp: 721929
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.3 10.9 16.3

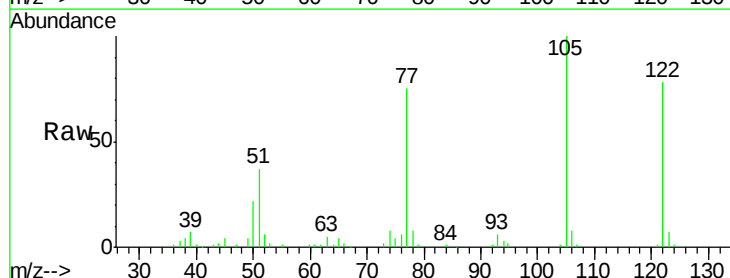


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

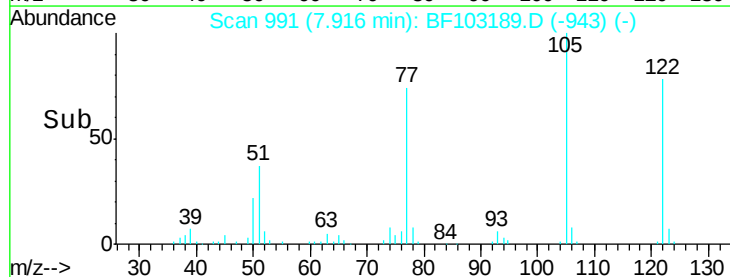
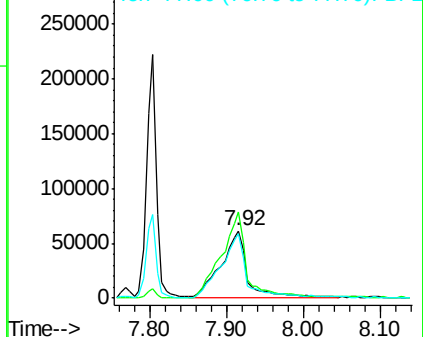


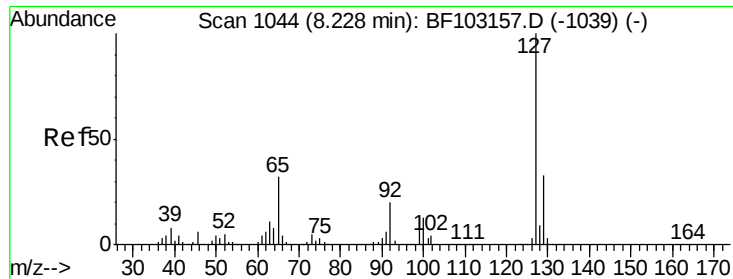
#32
Benzoic acid
Concen: 22.889 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.02 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion:122 Resp: 141394
Ion Ratio Lower Upper
122 100
105 128.8 101.1 141.1
77 96.0 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

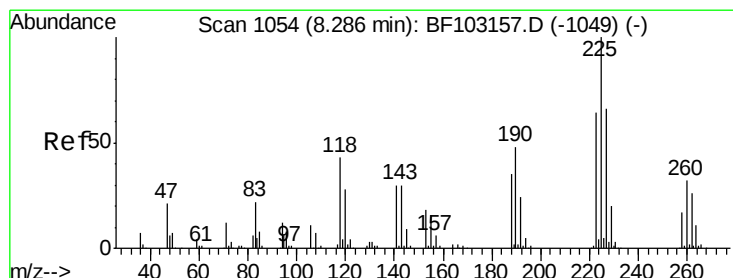
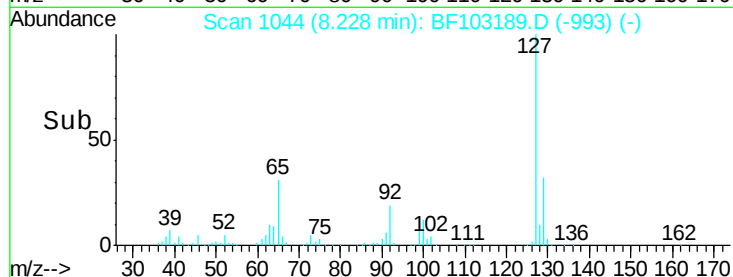
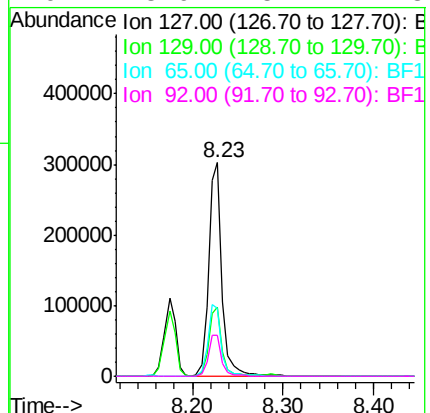
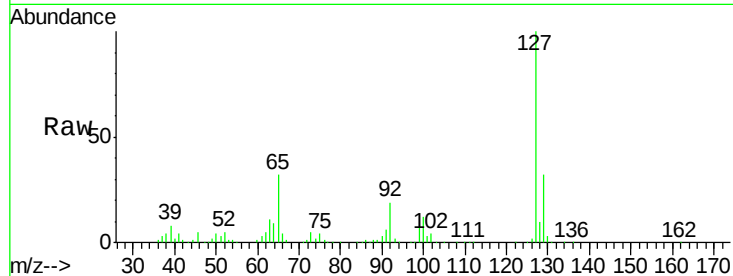




#33
4-Chloroaniline
Concen: 20.011 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

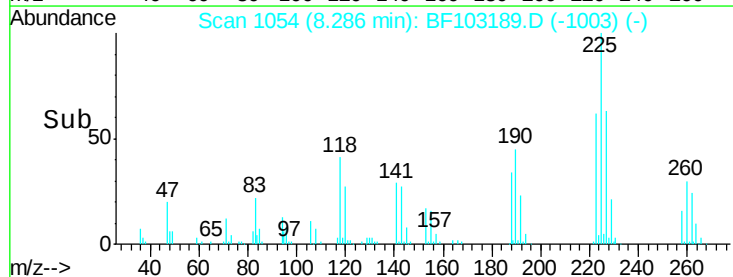
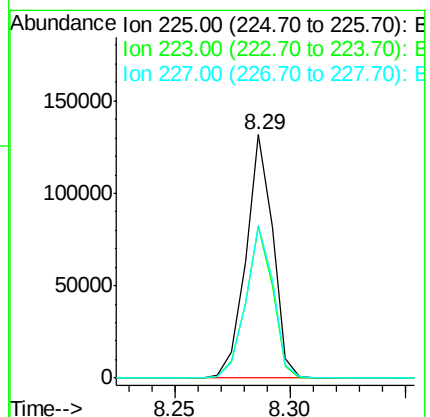
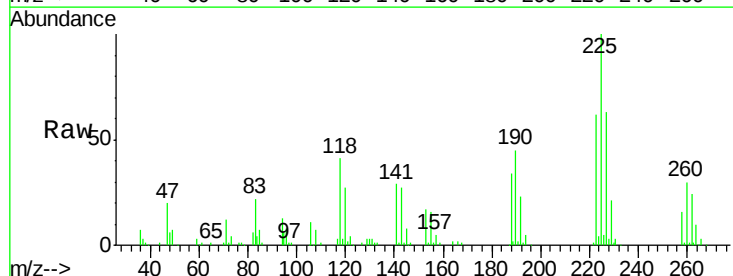
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

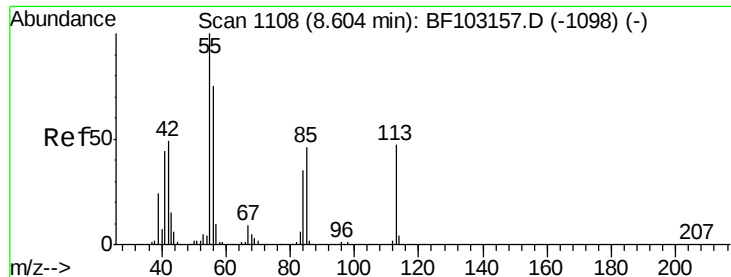
Tgt Ion:	127	Resp:	311190
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.9	38.9
65	31.6	25.0	37.4
92	18.9	15.2	22.8



#34
Hexachlorobutadiene
Concen: 19.803 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion:	225	Resp:	107362
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.6	76.0
227	62.9	51.9	77.9





#35

Caprolactam

Concen: 19.449 ng

RT: 8.59 min Scan# 1105

Delta R.T. -0.02 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

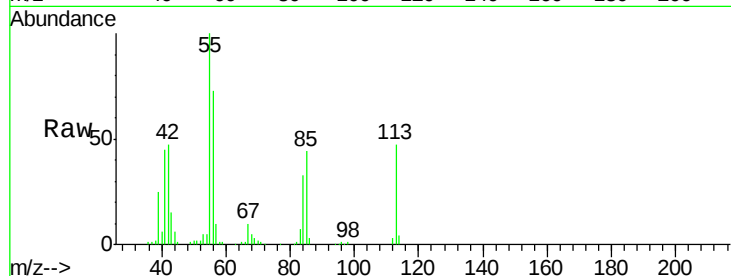
Tgt Ion:113 Resp: 66830

Ion Ratio Lower Upper

113 100

55 214.6 163.3 203.3#

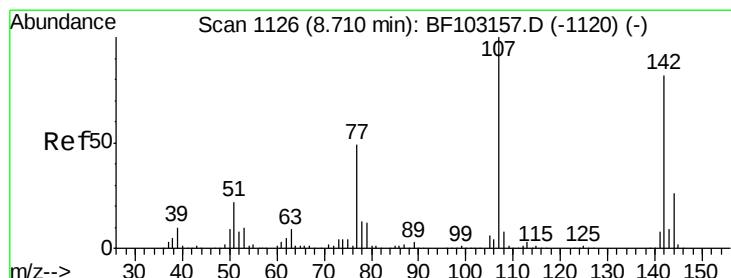
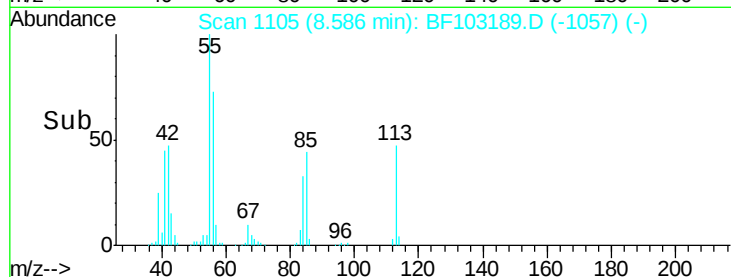
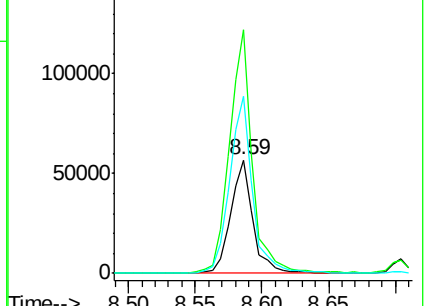
56 156.3 115.7 155.7#



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



#36

4-Chloro-3-methylphenol

Concen: 19.961 ng

RT: 8.70 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

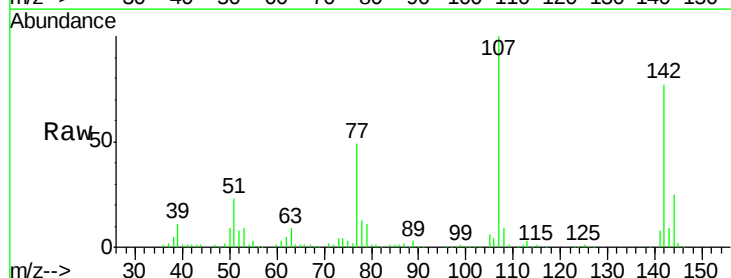
Tgt Ion:107 Resp: 220119

Ion Ratio Lower Upper

107 100

144 25.1 20.5 30.7

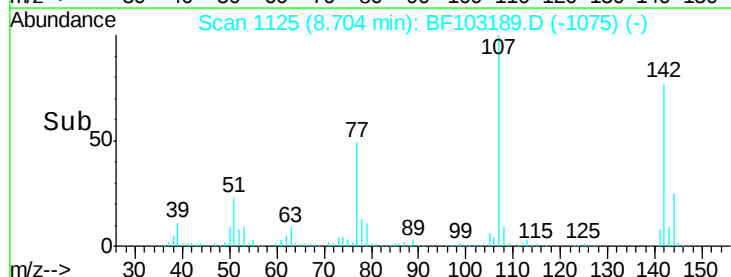
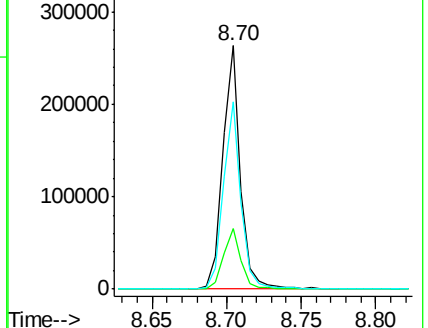
142 77.0 62.0 93.0

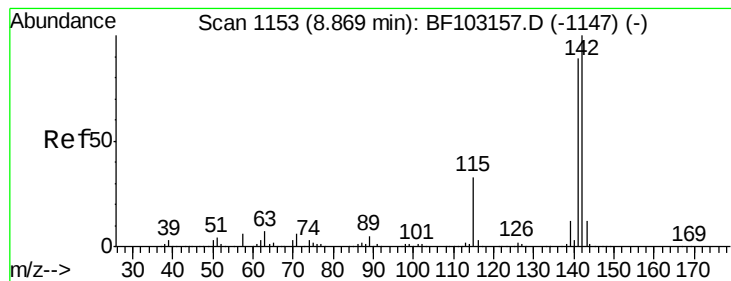


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 20.399 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

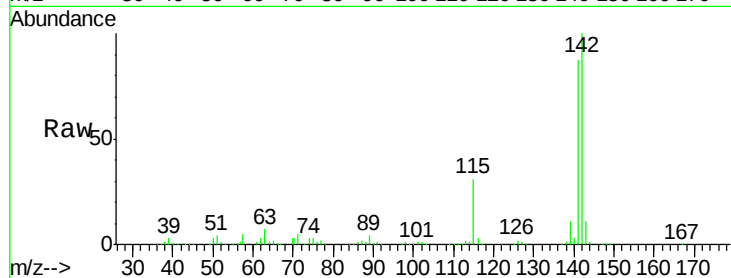
Tgt Ion:142 Resp: 475097

Ion Ratio Lower Upper

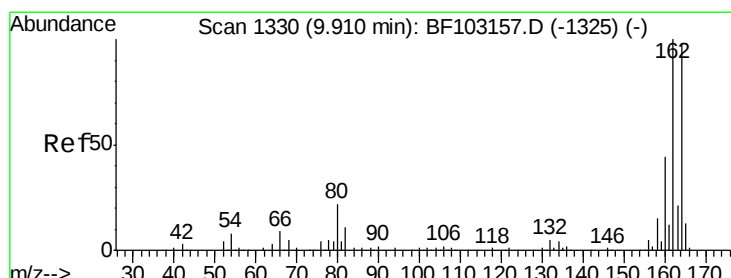
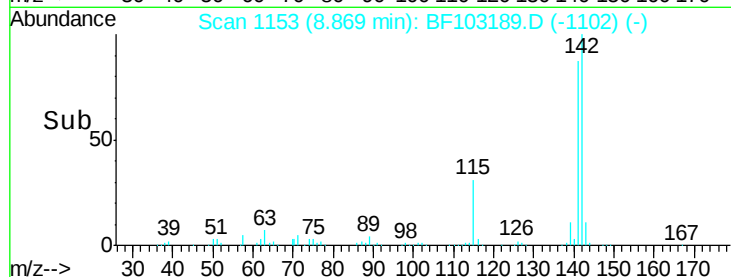
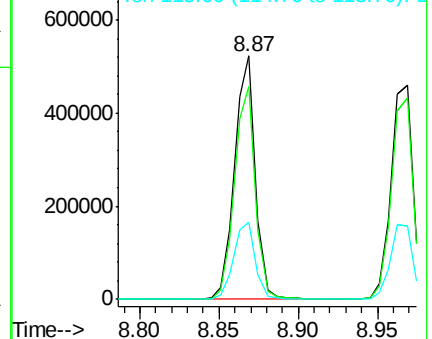
142 100

141 87.4 70.8 106.2

115 31.5 26.1 39.1



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

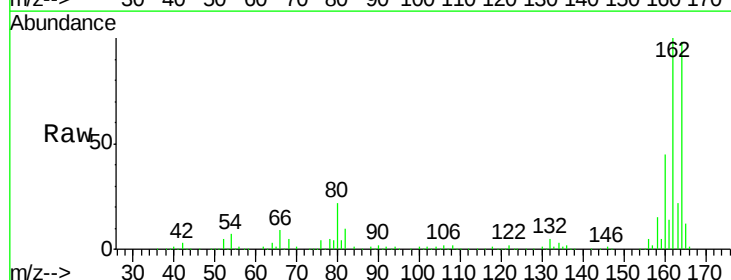
Tgt Ion:164 Resp: 340329

Ion Ratio Lower Upper

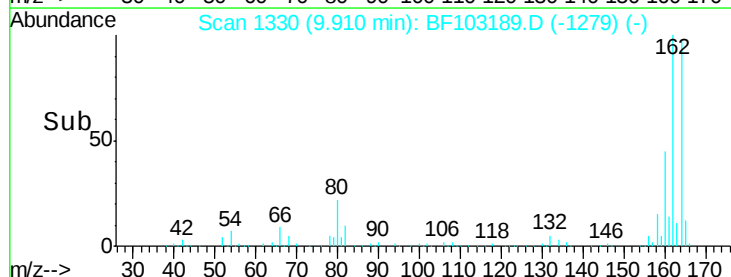
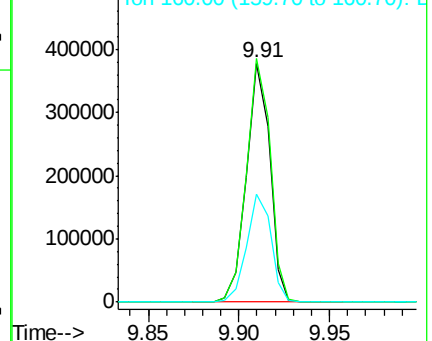
164 100

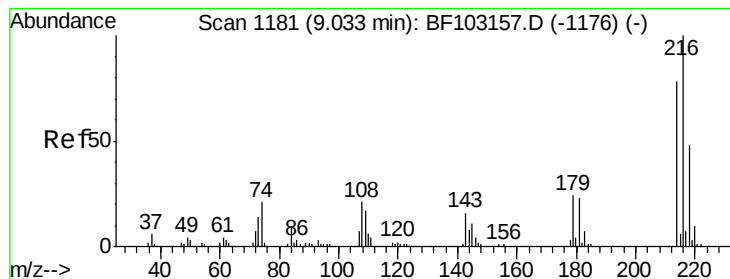
162 101.9 86.1 129.1

160 45.3 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

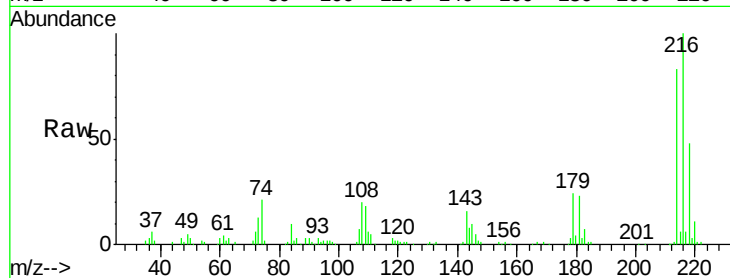




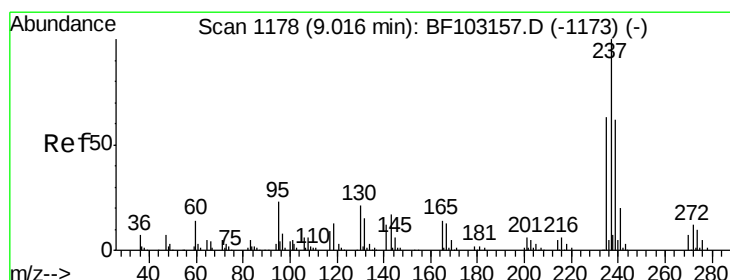
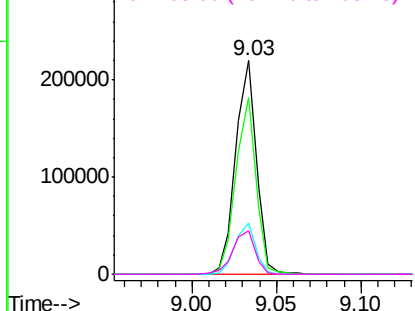
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 20.178 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion:	216	Resp:	187734
Ion Ratio	Lower	Upper	
216	100		
214	80.3	63.0	94.4
179	23.7	18.1	27.1
108	22.1	17.2	25.8

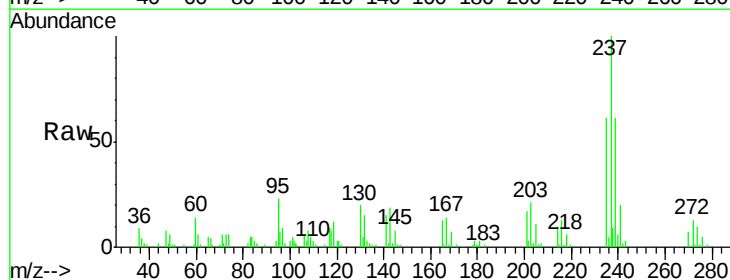


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

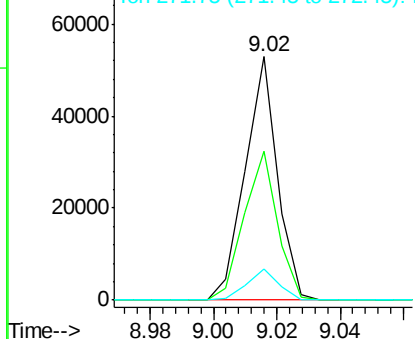


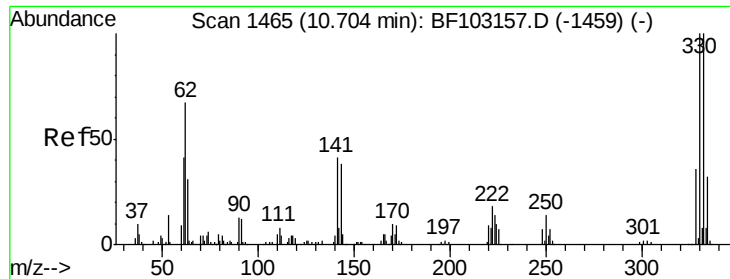
#40
 Hexachlorocyclopentadiene
 Concen: 18.945 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:	237	Resp:	37125
Ion Ratio	Lower	Upper	
237	100		
235	61.2	44.8	84.8
272	12.8	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

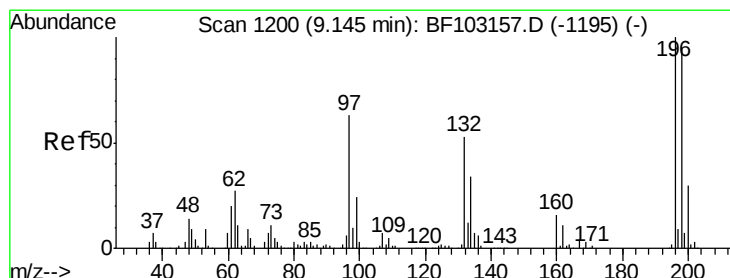
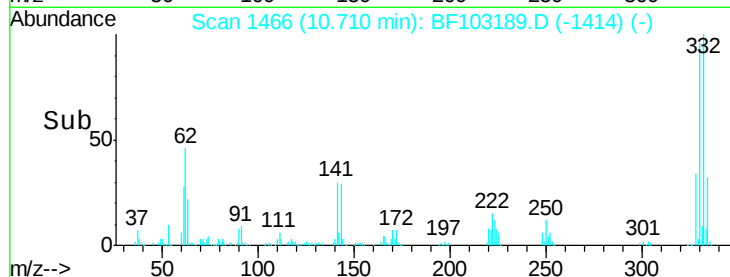
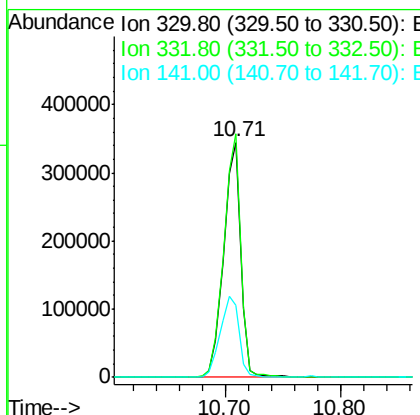
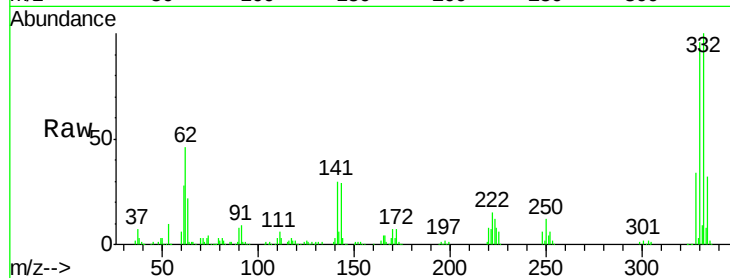




#41
 2,4,6-Tribromophenol
 Concen: 123.173 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

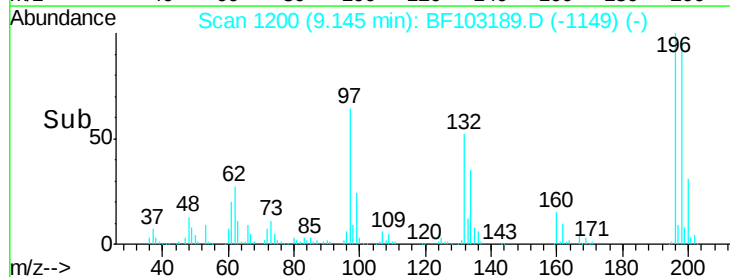
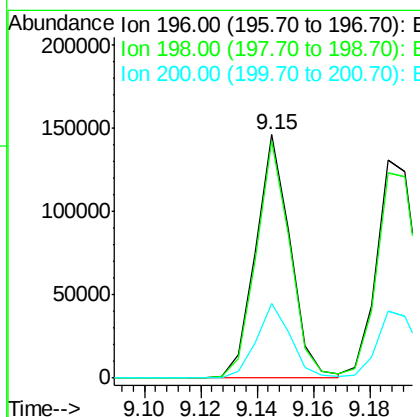
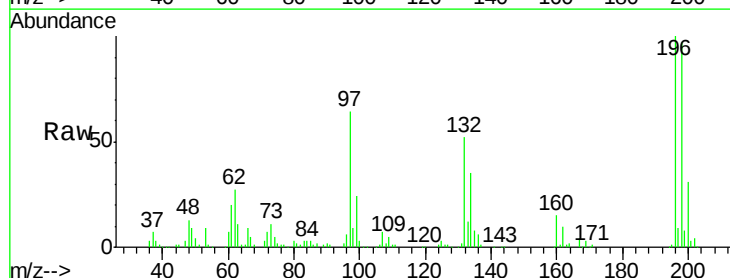
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

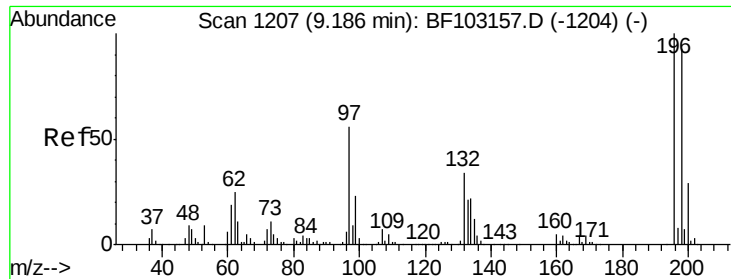
Tgt Ion:330 Resp: 354825
 Ion Ratio Lower Upper
 330 100
 332 102.9 77.0 115.6
 141 38.3 29.9 44.9



#42
 2,4,6-Trichlorophenol
 Concen: 19.813 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:196 Resp: 124034
 Ion Ratio Lower Upper
 196 100
 198 97.4 75.7 113.5
 200 30.6 24.5 36.7

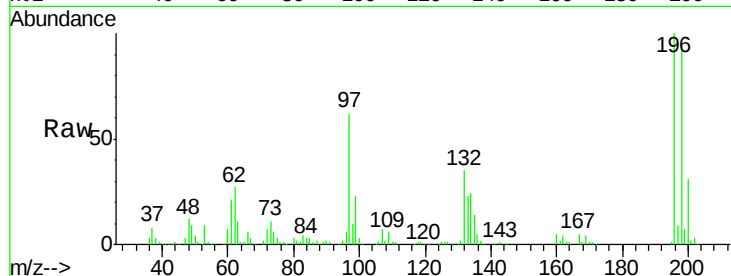




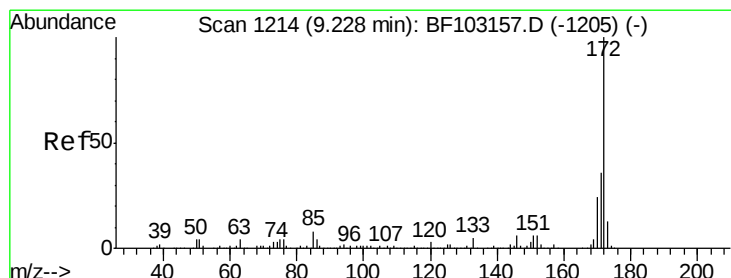
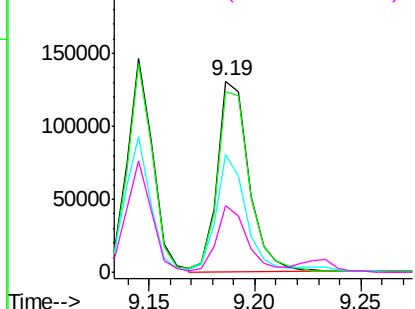
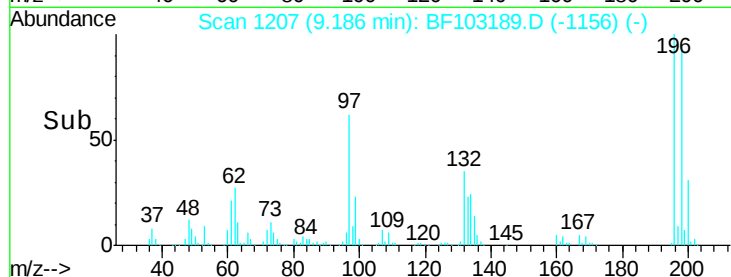
#43
 2,4,5-Trichlorophenol
 Concen: 18.668 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion:196 Resp: 134418
 Ion Ratio Lower Upper
 196 100
 198 94.3 74.6 112.0
 97 62.0 42.9 64.3
 132 34.8 26.3 39.5

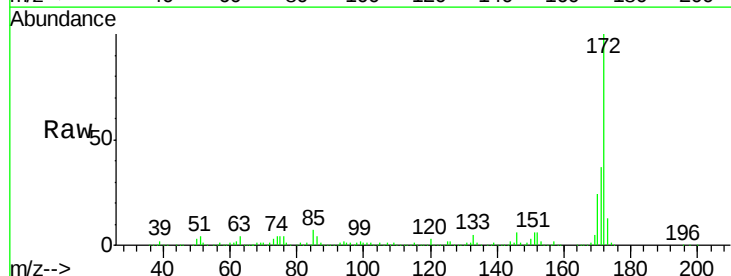


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

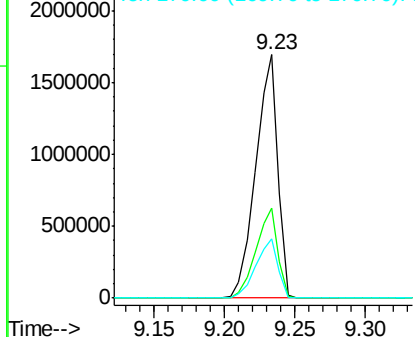
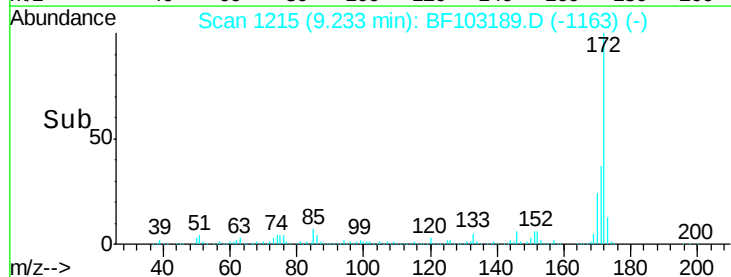


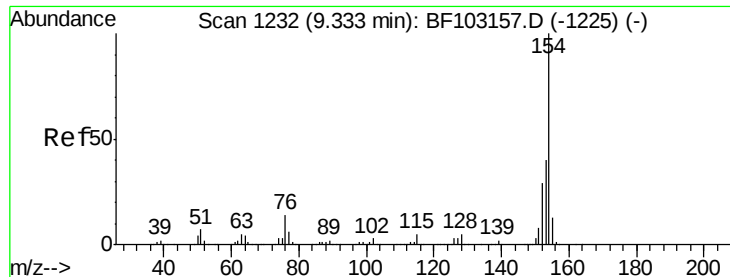
#44
 2-Fluorobiphenyl
 Concen: 97.647 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:172 Resp: 1862773
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 24.4 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

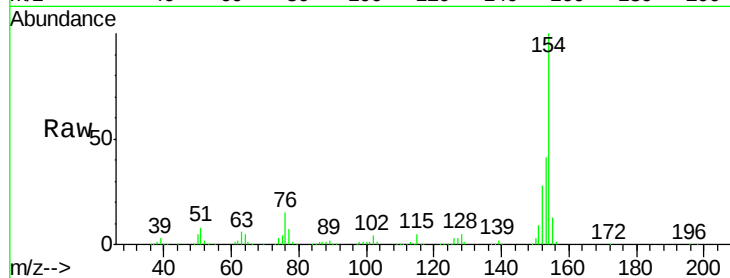




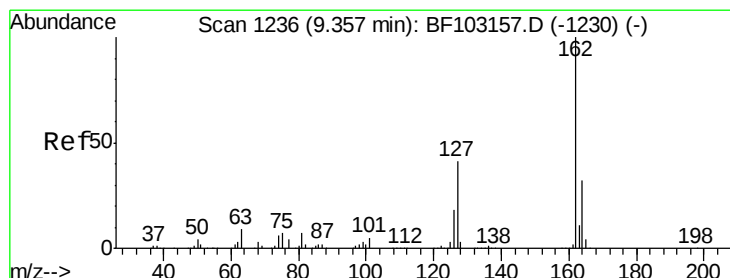
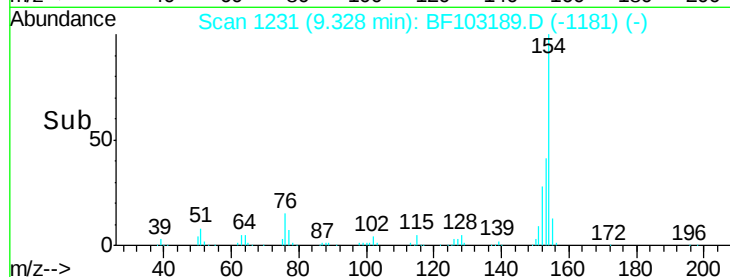
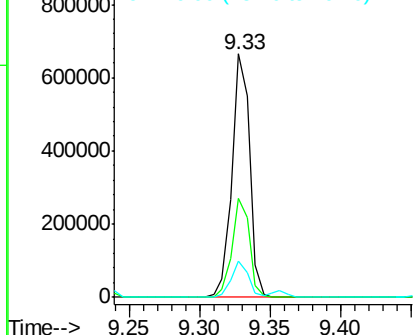
#45
 1,1'-Biphenyl
 Concen: 20.386 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion:	154	Resp:	581365
Ion Ratio	Lower	Upper	
154	100		
153	40.5	21.3	61.3
76	15.1	0.0	34.0

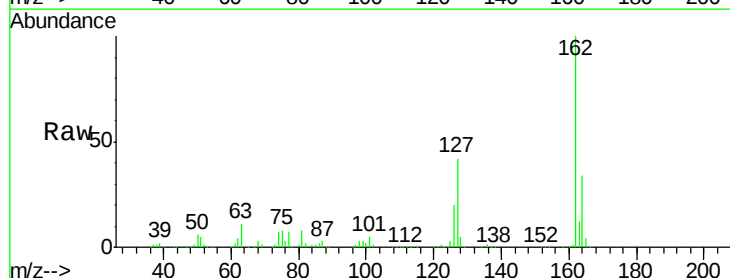


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

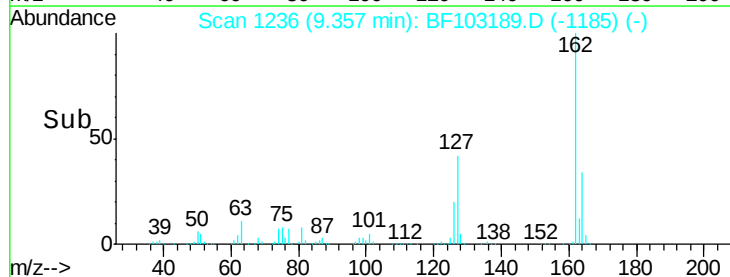
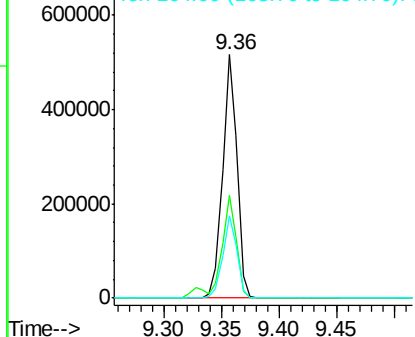


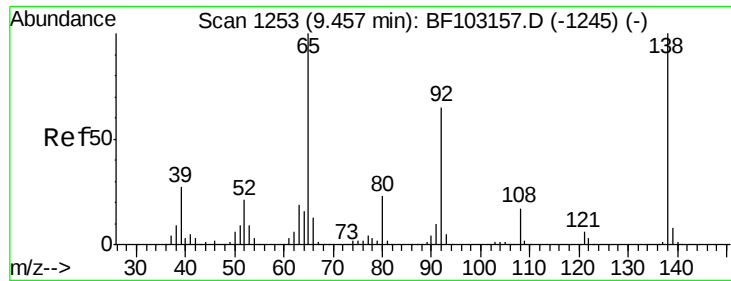
#46
 2-Chloronaphthalene
 Concen: 19.836 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:	162	Resp:	447529
Ion Ratio	Lower	Upper	
162	100		
127	42.0	33.9	50.9
164	33.7	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

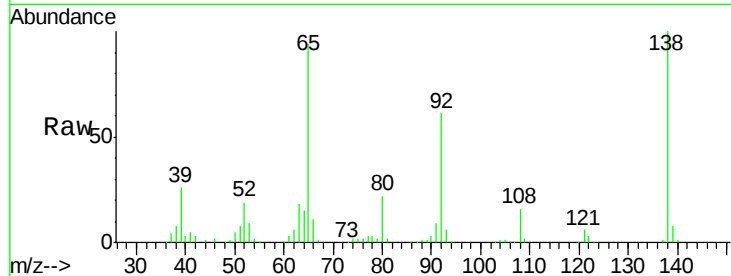




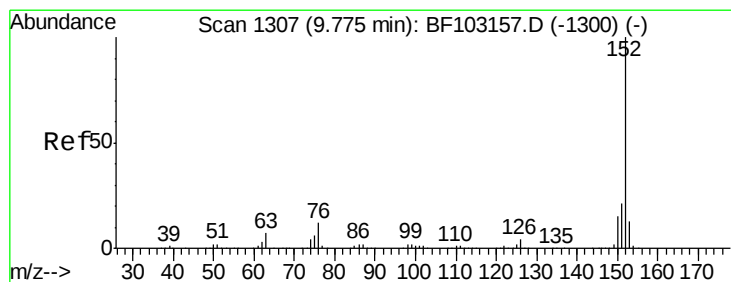
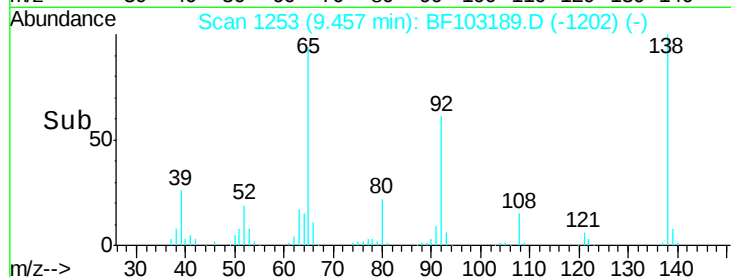
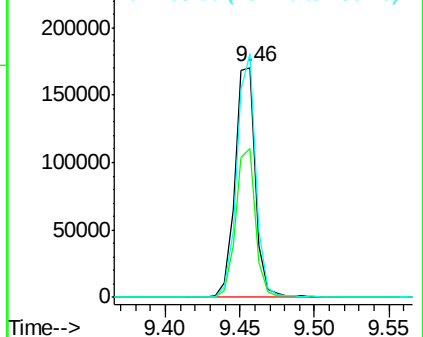
#47
2-Nitroaniline
Concen: 19.793 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion: 65 Resp: 165411
Ion Ratio Lower Upper
65 100
92 64.5 55.8 83.6
138 105.9 91.2 136.8

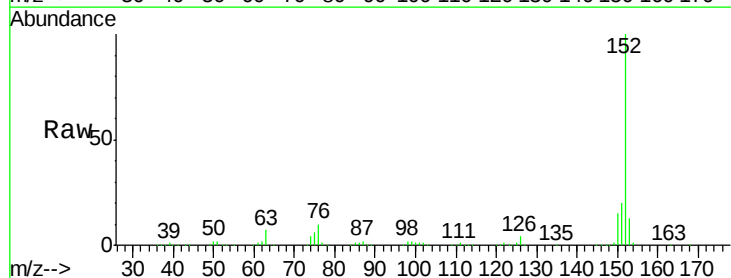


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

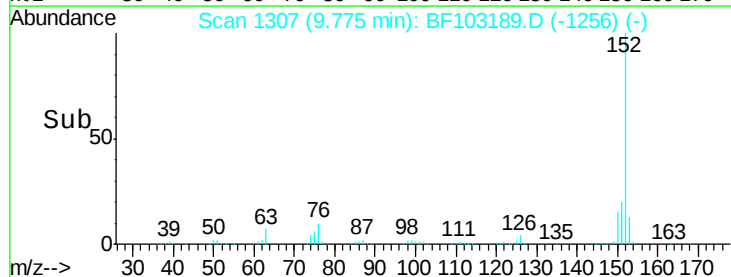
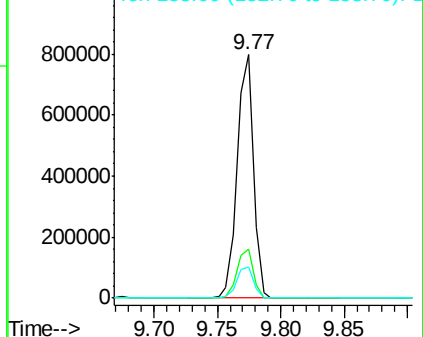


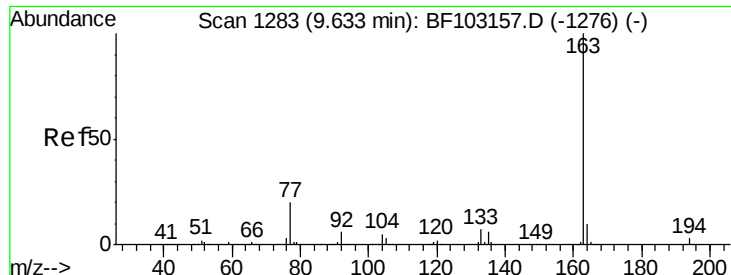
#48
Acenaphthylene
Concen: 20.119 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion: 152 Resp: 698405
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 13.0 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

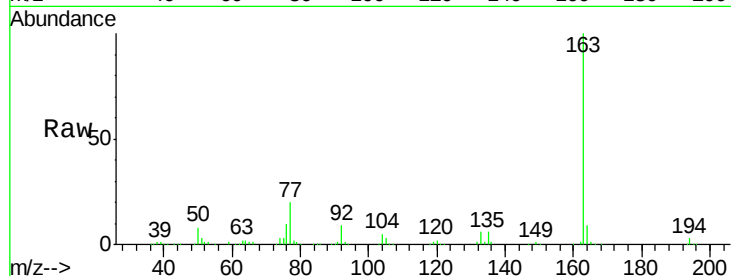




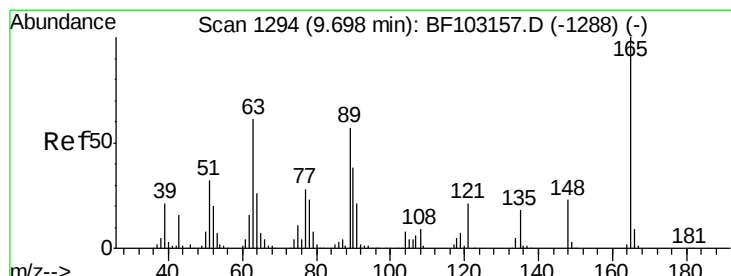
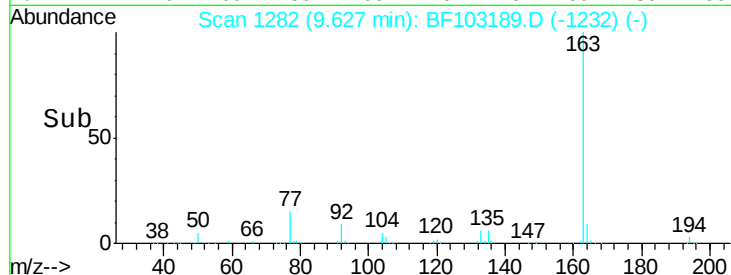
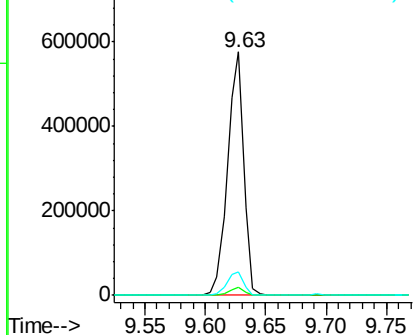
#49
Dimethylphthalate
Concen: 19.534 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion:163 Resp: 533318
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.5 8.2 12.2

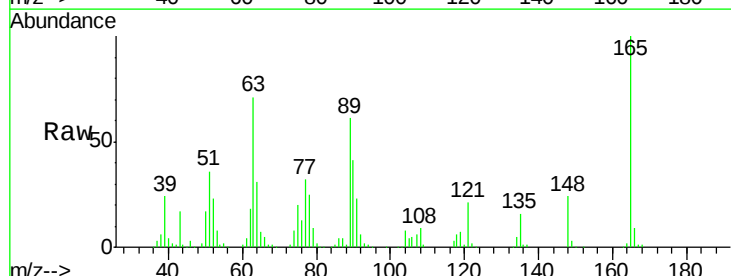


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

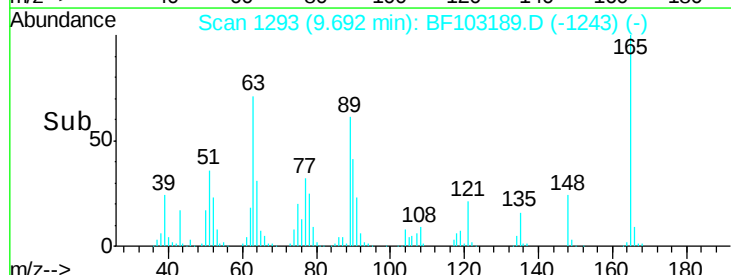
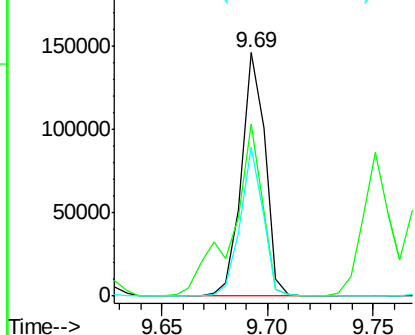


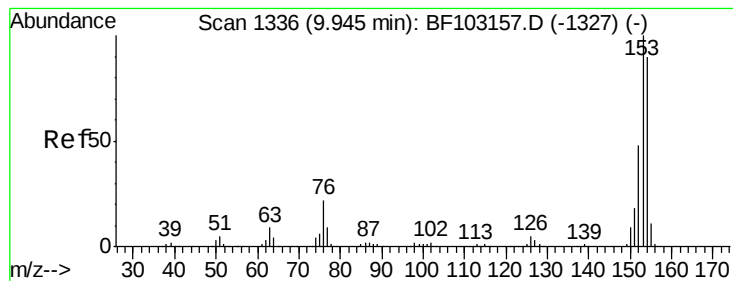
#50
2,6-Dinitrotoluene
Concen: 19.769 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion:165 Resp: 113262
Ion Ratio Lower Upper
165 100
63 70.9 44.7 67.1#
89 61.0 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: 20.004 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

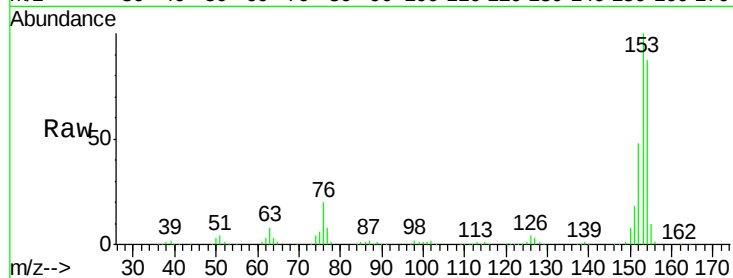
Tgt Ion:154 Resp: 404921

Ion Ratio Lower Upper

154 100

153 114.4 91.2 136.8

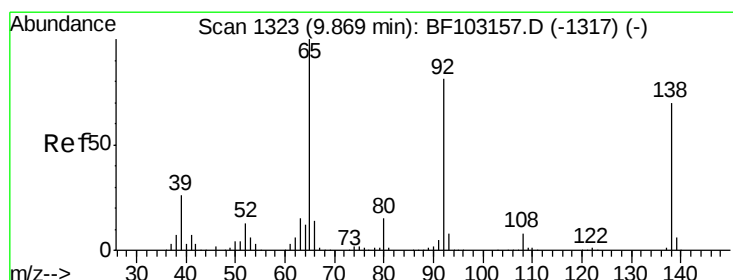
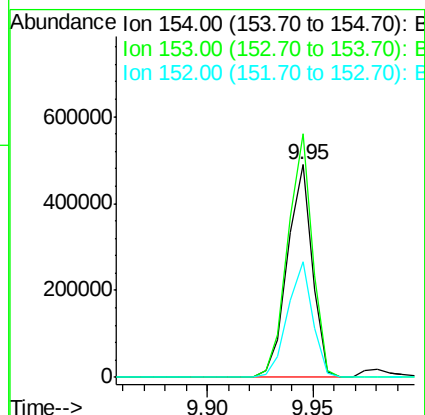
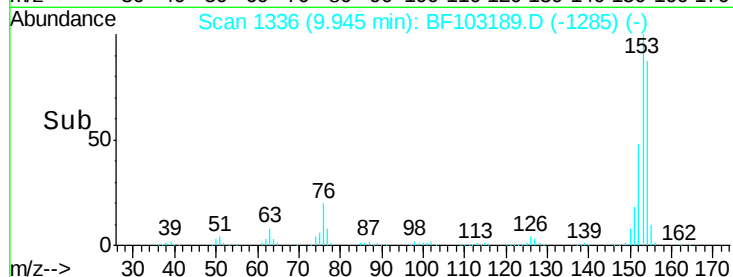
152 54.4 43.8 65.8



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: 19.259 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

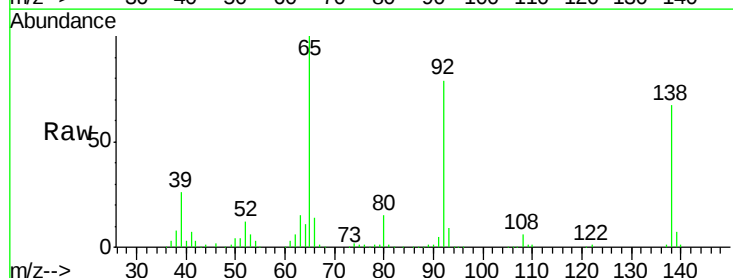
Tgt Ion:138 Resp: 139994

Ion Ratio Lower Upper

138 100

108 9.3 9.4 14.0#

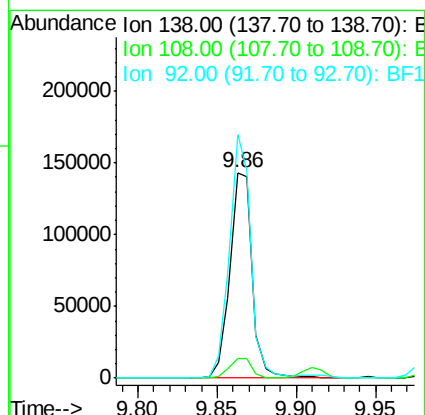
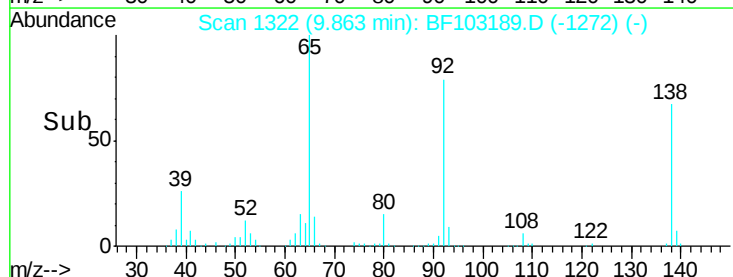
92 118.4 89.4 134.2

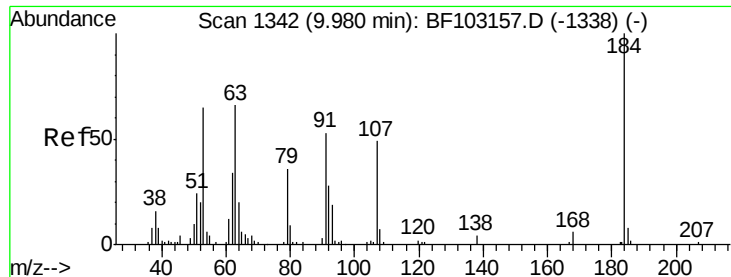


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

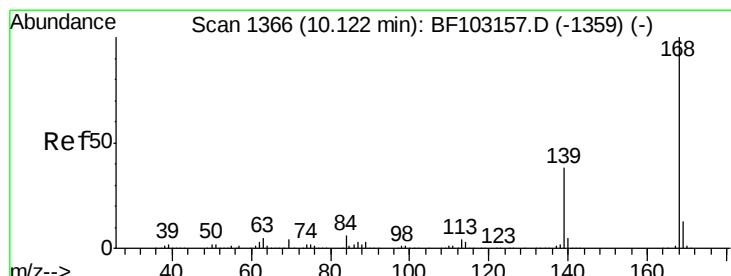
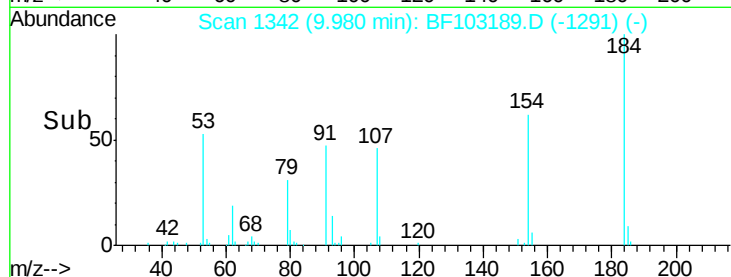
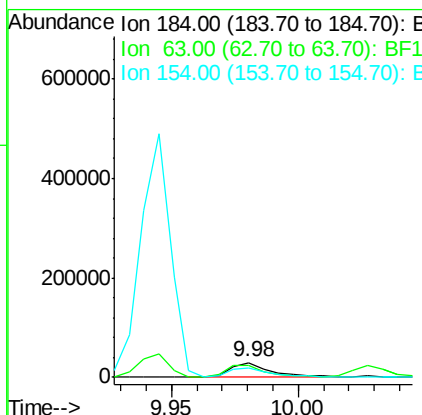
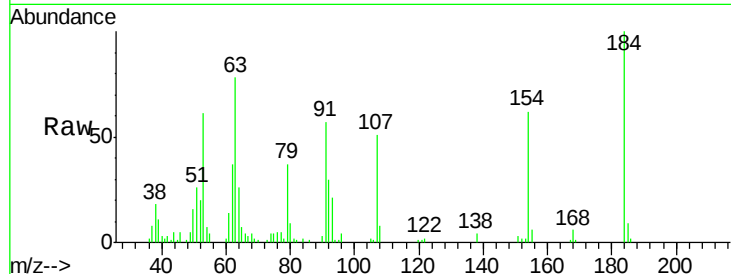




#53
 2,4-Dinitrophenol
 Concen: 22.878 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

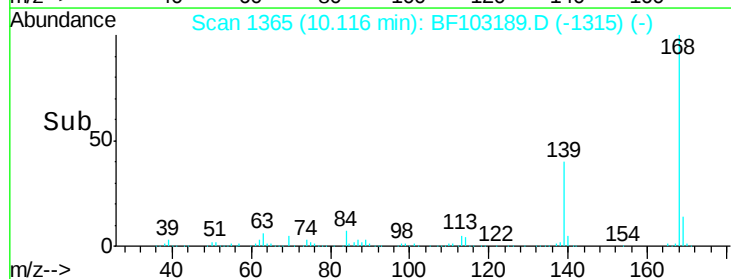
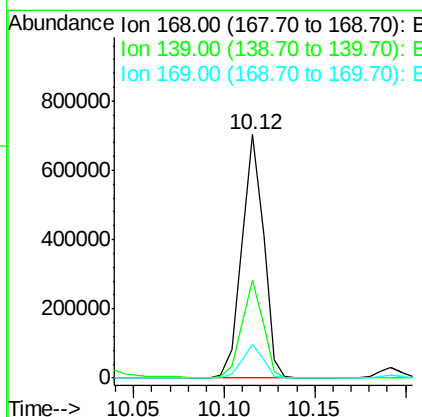
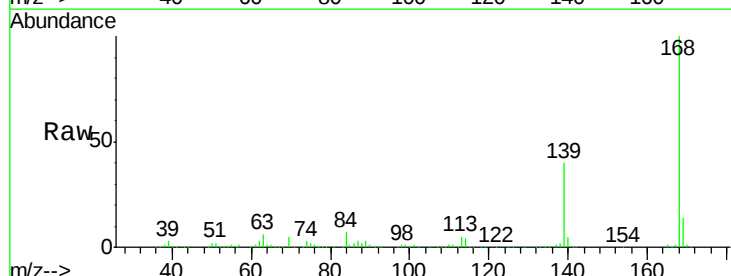
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

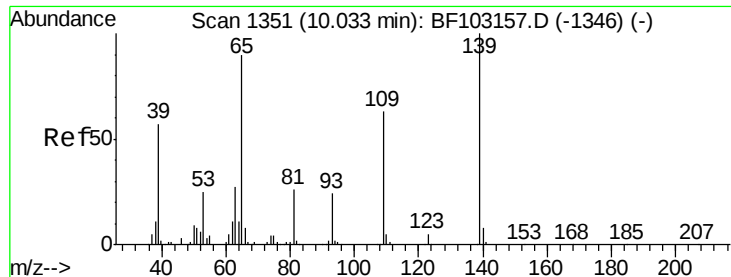
Tgt Ion:184 Resp: 31186
 Ion Ratio Lower Upper
 184 100
 63 78.1 54.2 81.2
 154 62.5 184.0 276.0#



#54
 Dibenzofuran
 Concen: 21.214 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:168 Resp: 589454
 Ion Ratio Lower Upper
 168 100
 139 40.1 30.1 45.1
 169 13.7 10.9 16.3

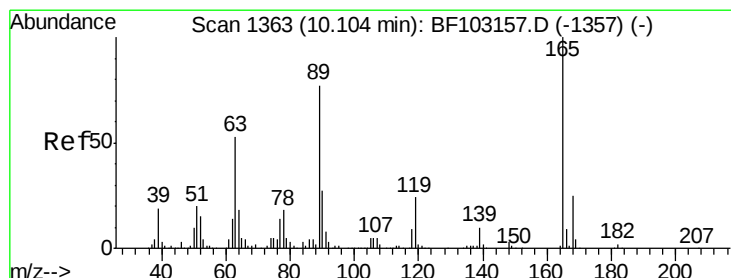
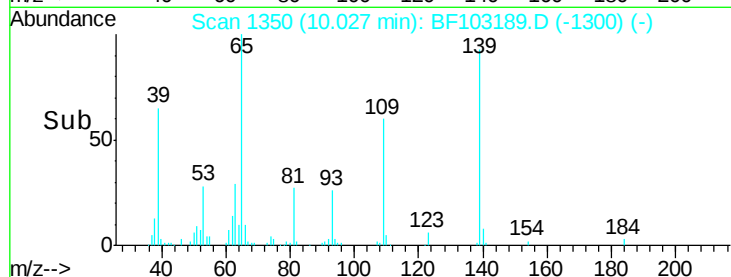
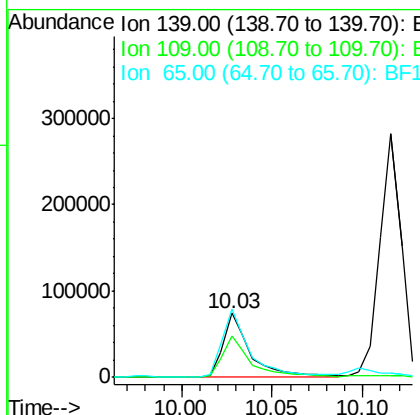
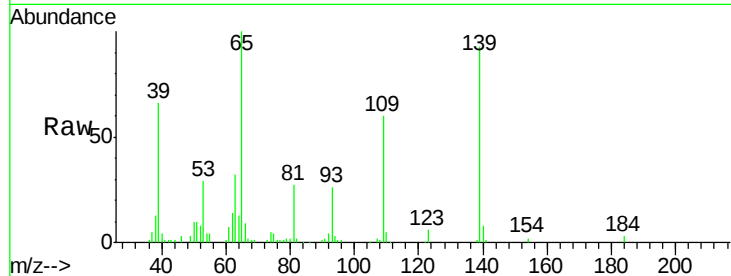




#55
4-Nitrophenol
Concen: 17.304 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

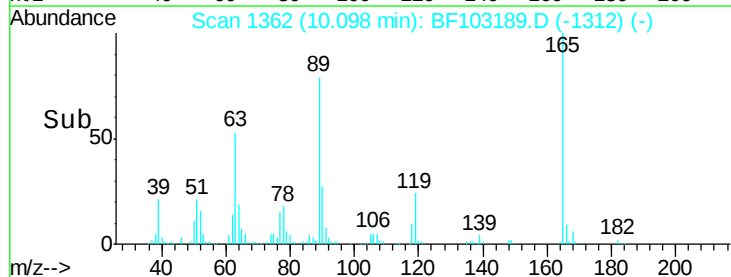
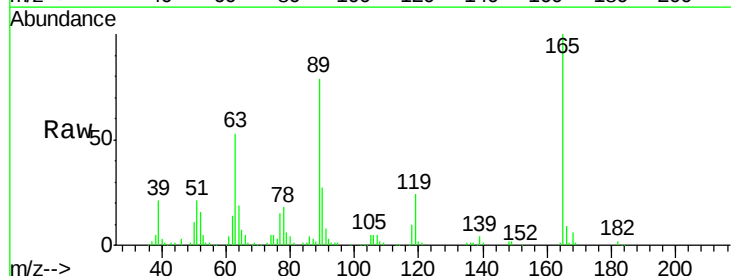
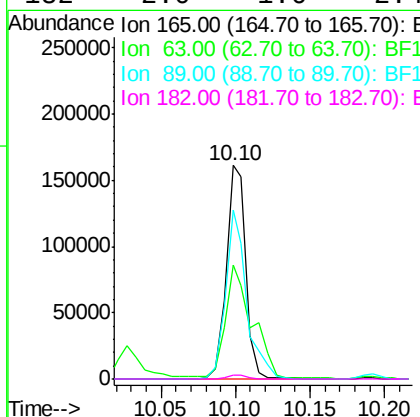
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

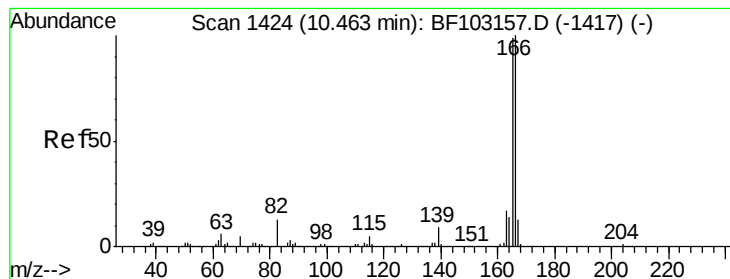
Tgt Ion:139 Resp: 77958
Ion Ratio Lower Upper
139 100
109 64.5 48.4 88.4
65 107.7 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 20.600 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion:165 Resp: 149268
Ion Ratio Lower Upper
165 100
63 53.4 36.4 54.6
89 79.0 57.8 86.6
182 2.0 1.6 2.4





#57

Fluorene

Concen: 19.566 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

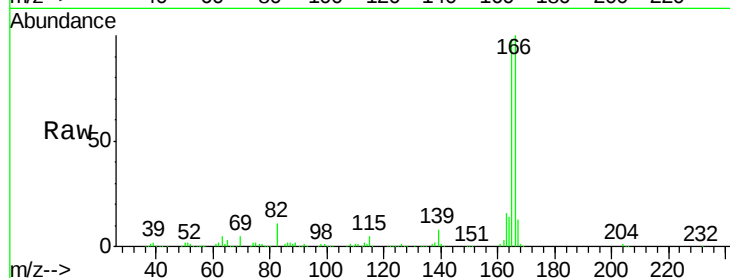
Tgt Ion:166 Resp: 463128

Ion Ratio Lower Upper

166 100

165 97.9 79.8 119.8

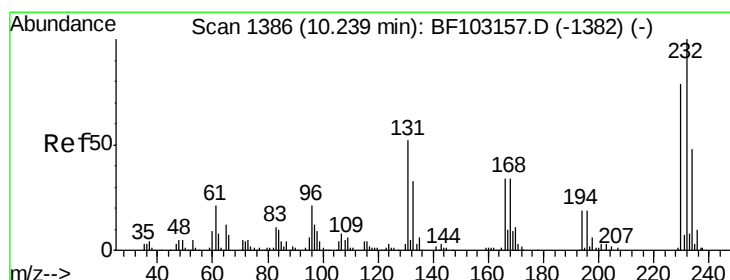
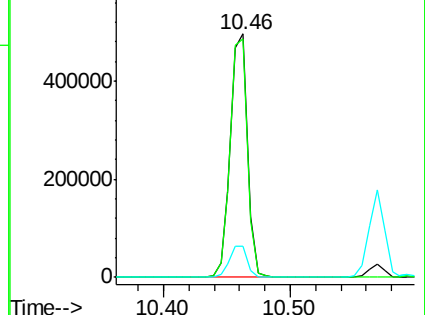
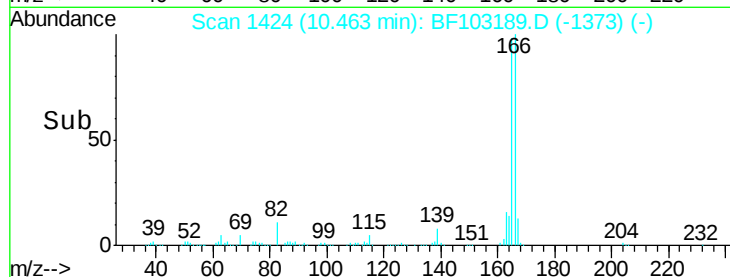
167 12.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 19.917 ng

RT: 10.23 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Tgt Ion:232 Resp: 96339

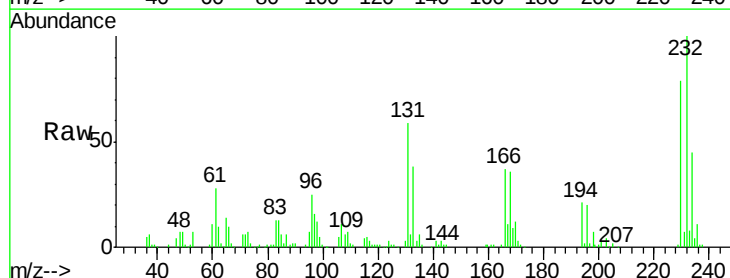
Ion Ratio Lower Upper

232 100

131 58.1 43.8 65.8

130 2.7 2.1 3.1

166 36.5 27.8 41.6

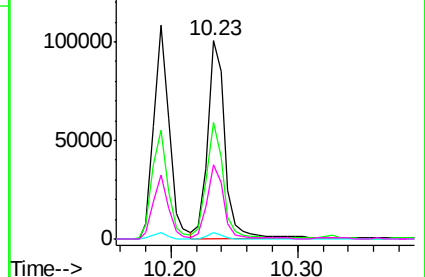
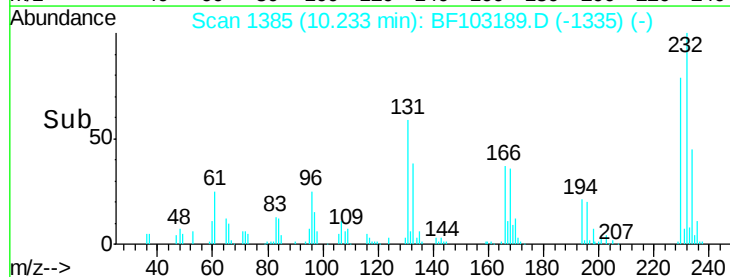


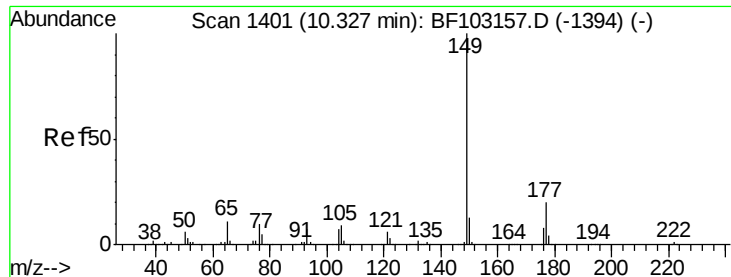
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

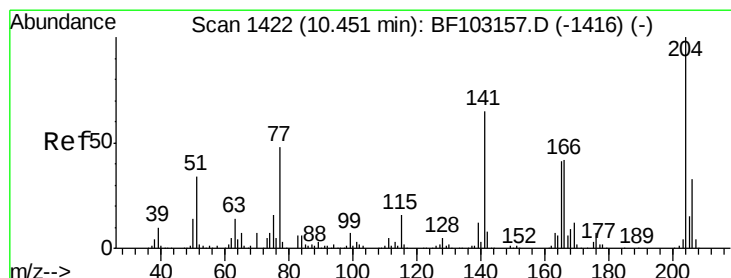
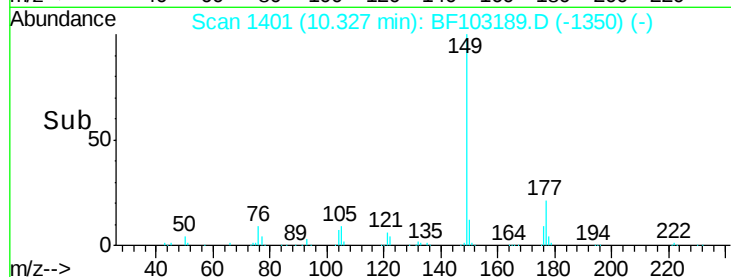
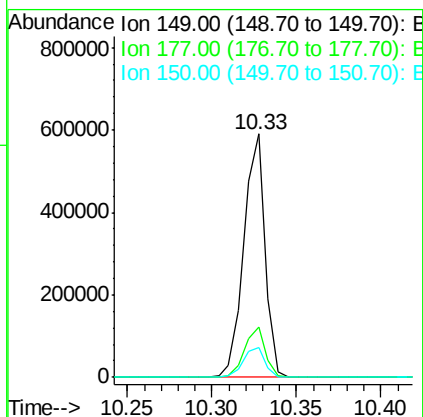
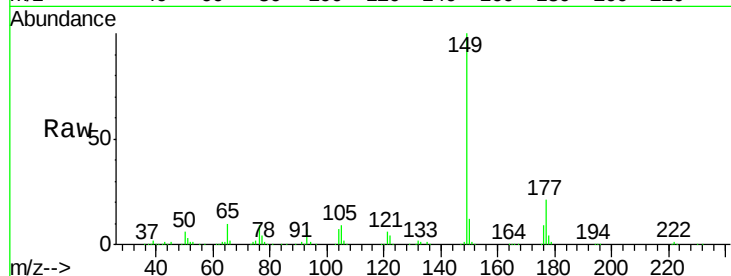




#59
Diethylphthalate
Concen: 19.891 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

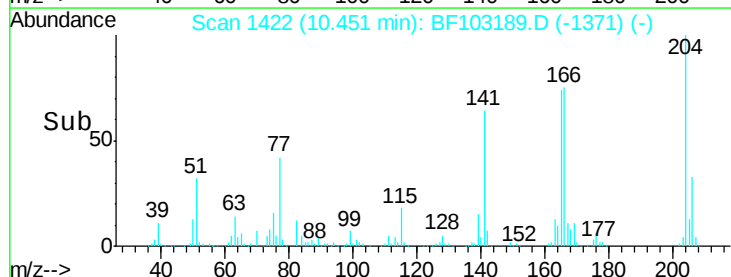
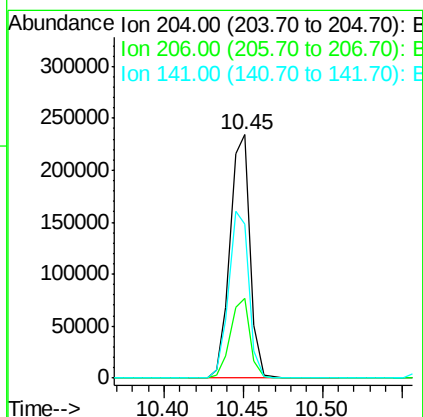
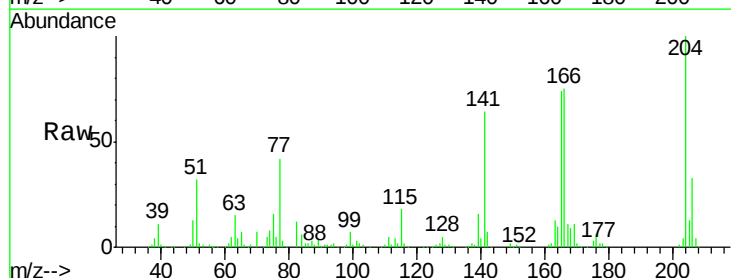
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

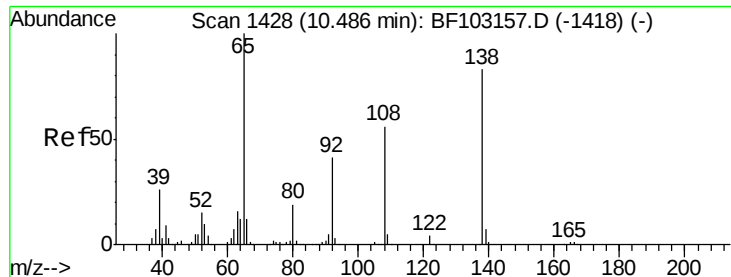
Tgt Ion:149 Resp: 519396
Ion Ratio Lower Upper
149 100
177 20.6 16.1 24.1
150 12.4 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 20.496 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion:204 Resp: 205730
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 63.5 54.6 81.8

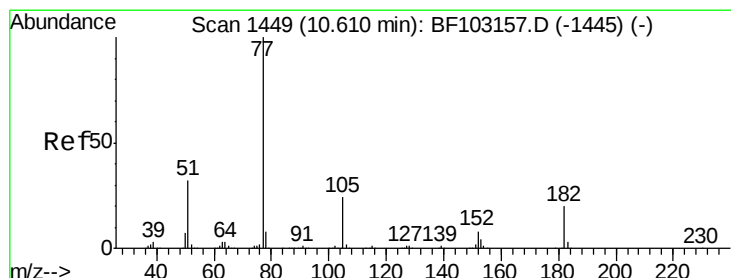
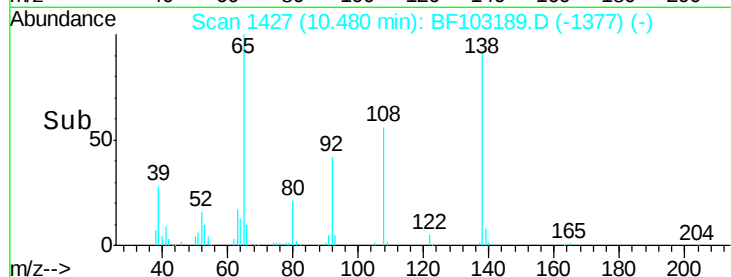
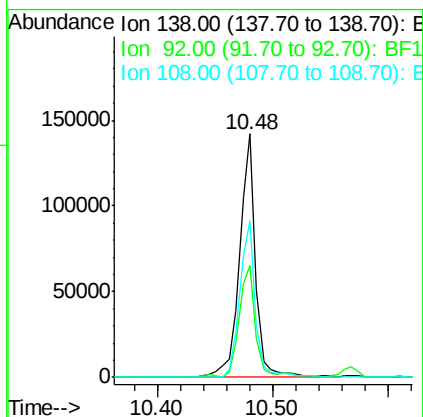
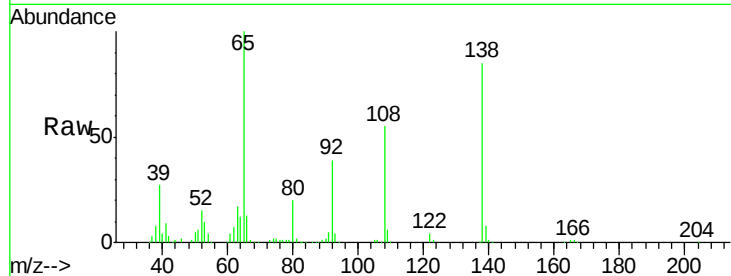




#61
4-Nitroaniline
Concen: 18.899 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

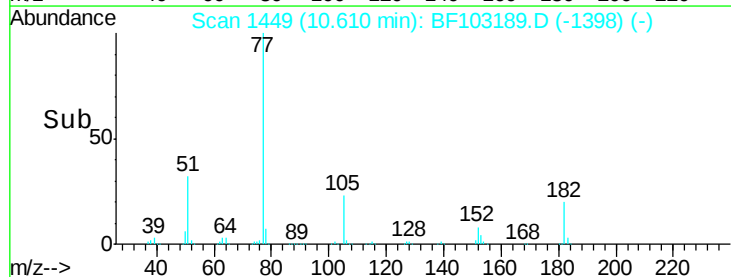
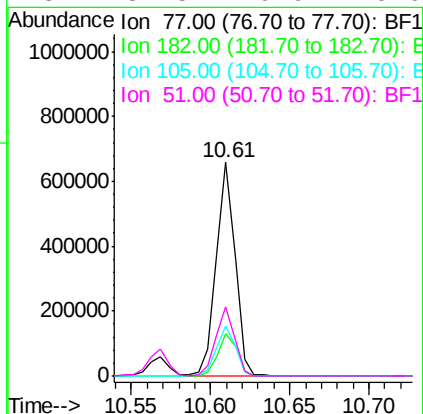
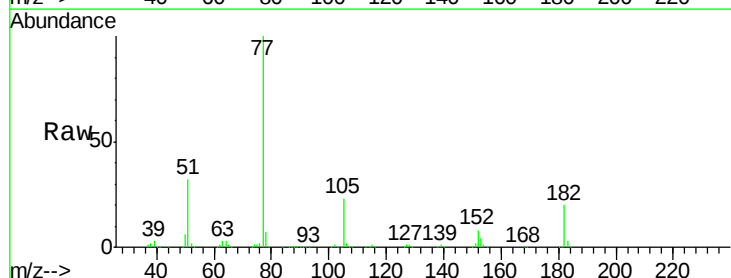
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

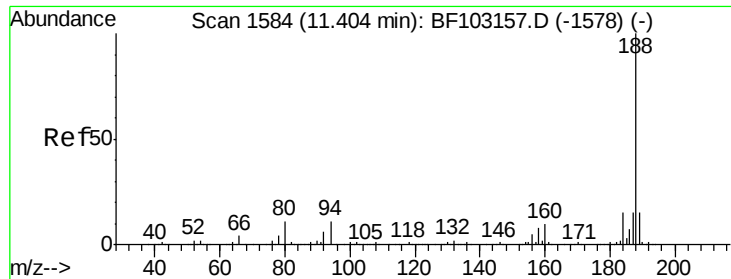
Tgt Ion:138 Resp: 137213
Ion Ratio Lower Upper
138 100
92 46.0 30.2 70.2
108 64.4 52.5 92.5



#62
Azobenzene
Concen: 20.522 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion: 77 Resp: 545448
Ion Ratio Lower Upper
77 100
182 19.6 1.7 41.7
105 23.5 3.0 43.0
51 32.5 9.9 49.9

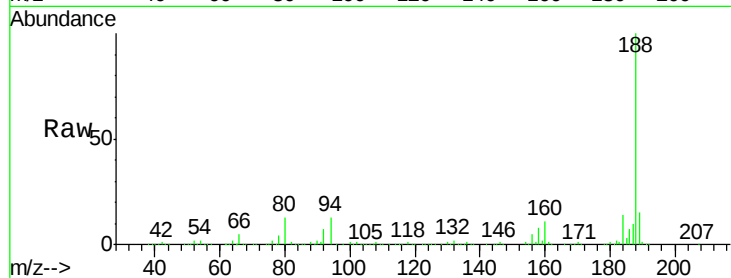




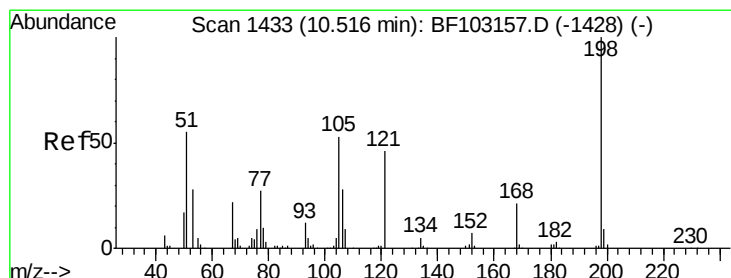
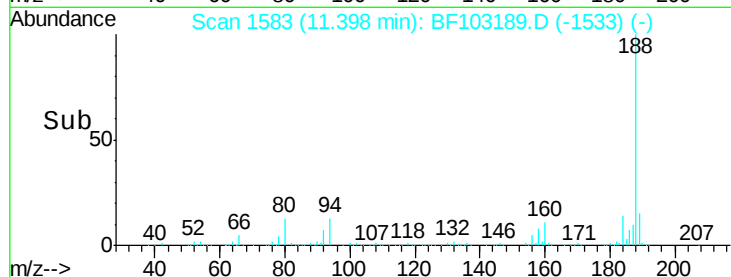
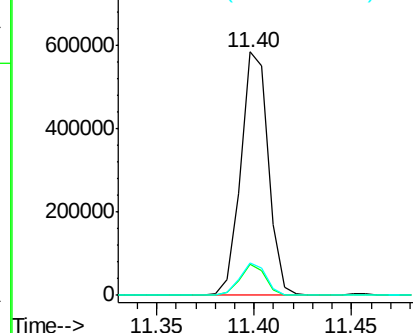
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	8.5	12.7
80	13.2	9.2	13.8

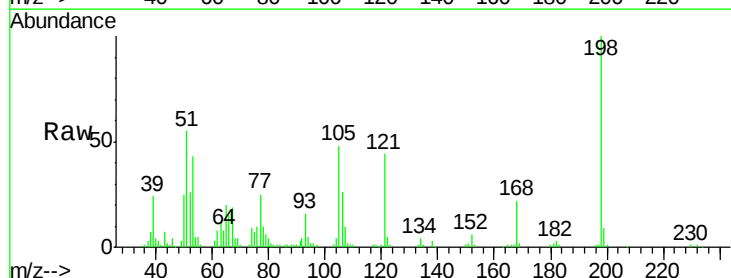


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

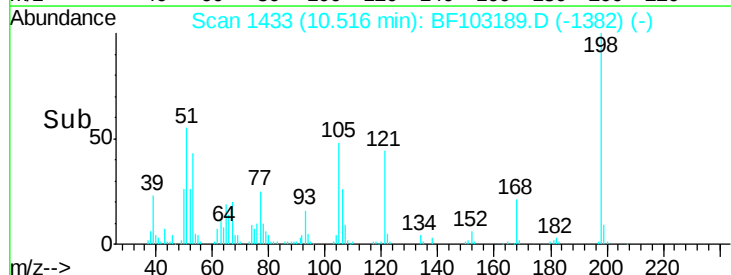
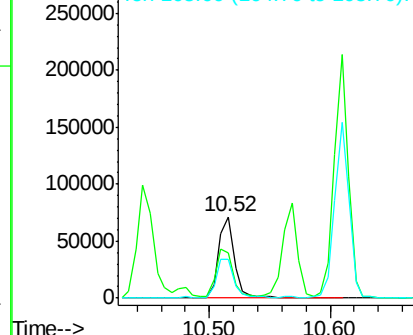


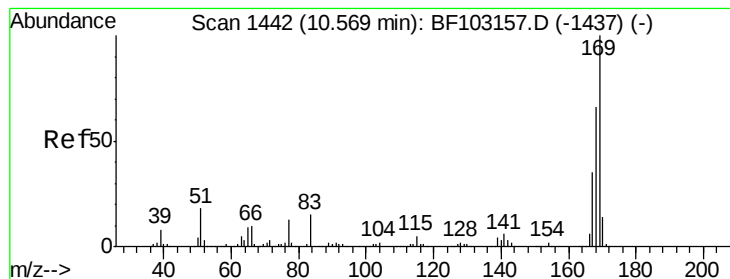
#64
 4,6-Dinitro-2-methylphenol
 Concen: 21.760 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion	Ratio	Lower	Upper
198	100		
51	55.2	37.7	77.7
105	47.7	36.3	76.3



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 20.379 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

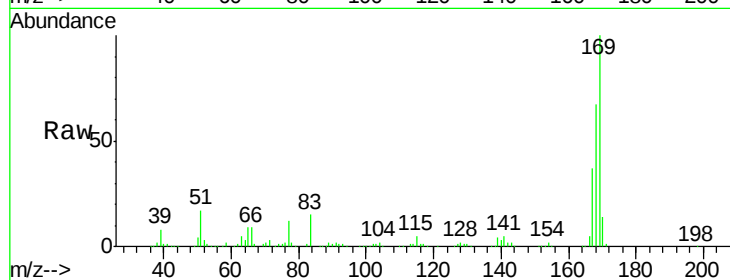
Tgt Ion:169 Resp: 404887

Ion Ratio Lower Upper

169 100

168 66.7 54.4 81.6

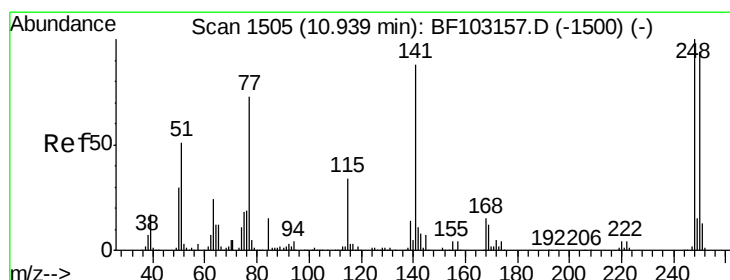
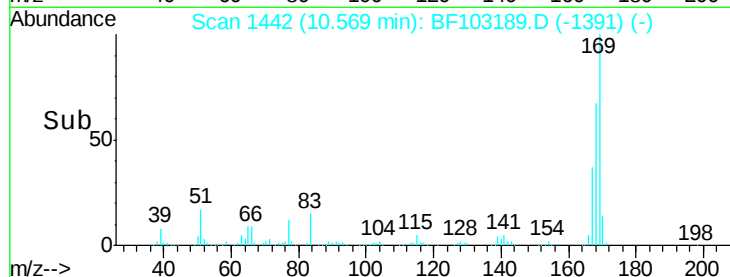
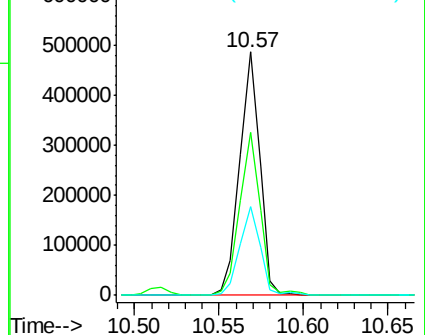
167 36.6 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 20.062 ng

RT: 10.94 min Scan# 1505

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

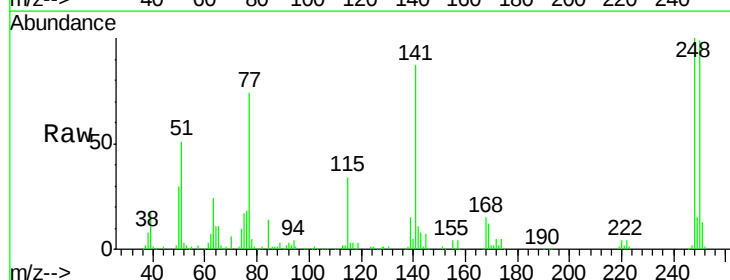
Tgt Ion:248 Resp: 119251

Ion Ratio Lower Upper

248 100

250 99.0 76.9 115.3

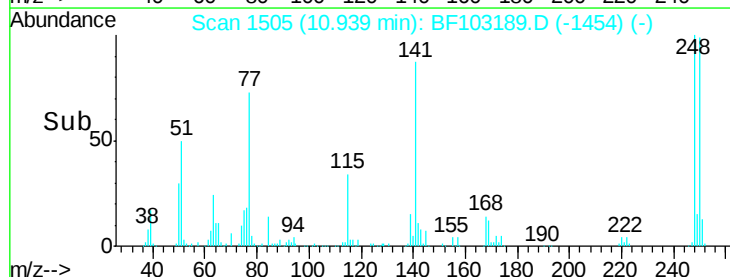
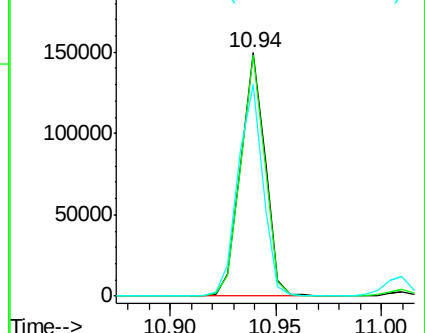
141 86.9 74.4 111.6

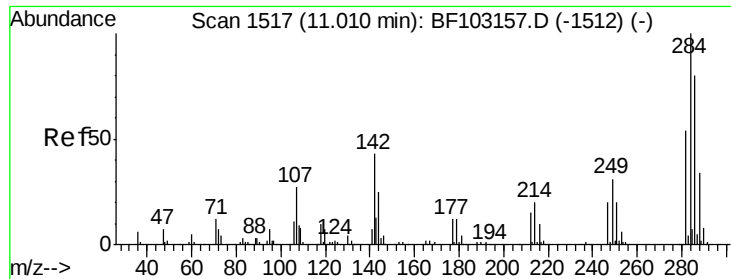


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

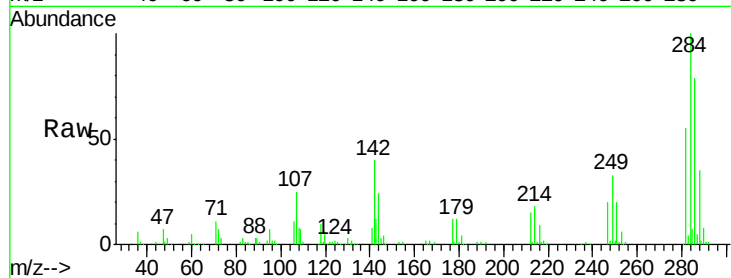




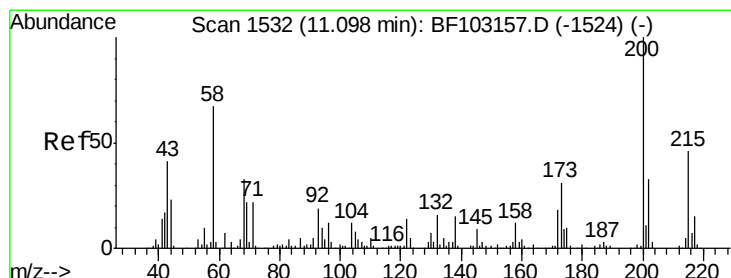
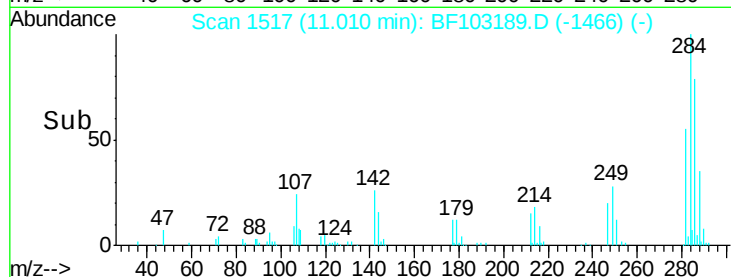
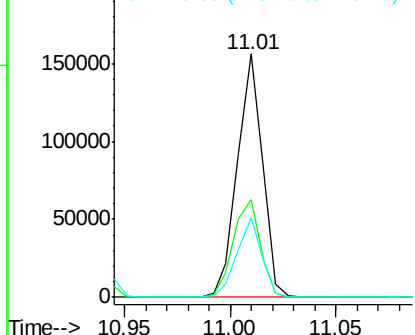
#67
Hexachlorobenzene
Concen: 19.837 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion:284 Resp: 127979
Ion Ratio Lower Upper
284 100
142 40.1 34.6 52.0
249 32.8 24.8 37.2

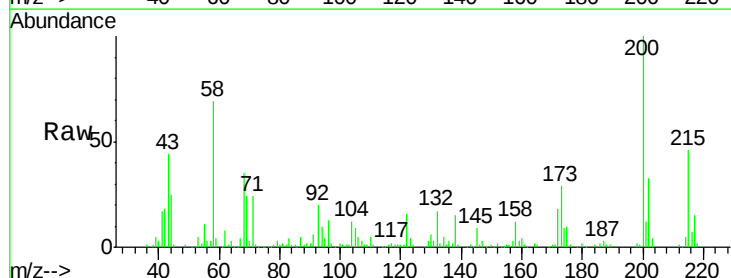


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

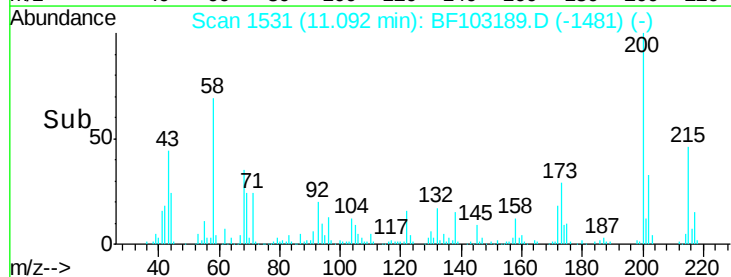
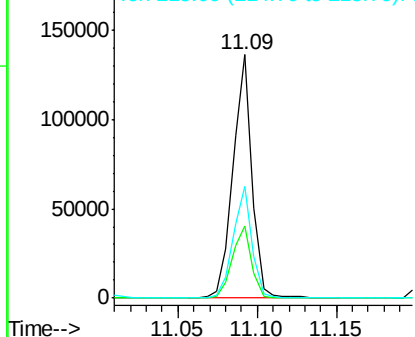


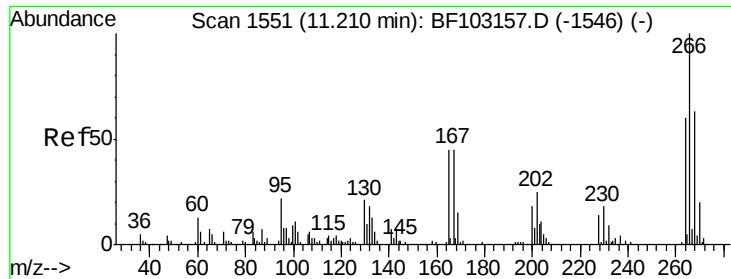
#68
Atrazine
Concen: 18.881 ng
RT: 11.09 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion:200 Resp: 112751
Ion Ratio Lower Upper
200 100
173 29.5 8.6 48.6
215 45.7 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

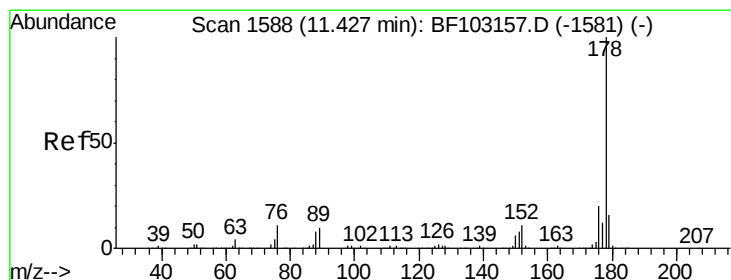
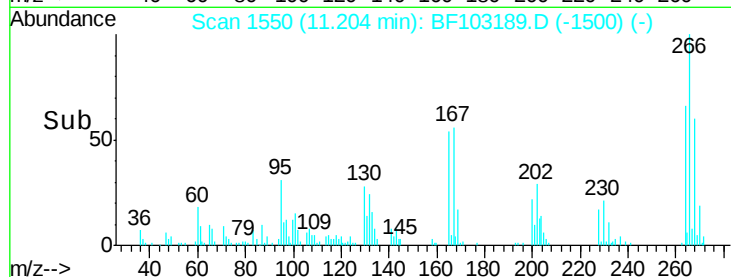
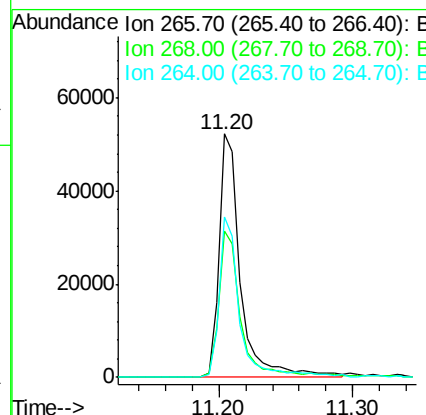
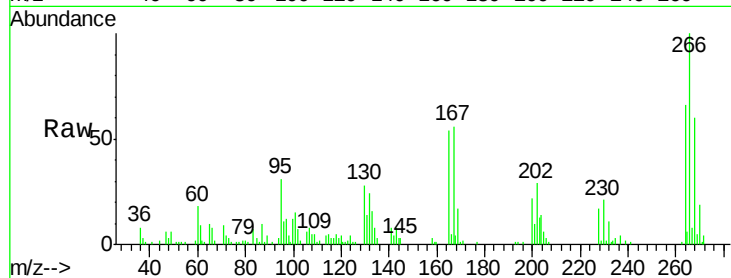




#69
 Pentachlorophenol
 Concen: 18.939 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

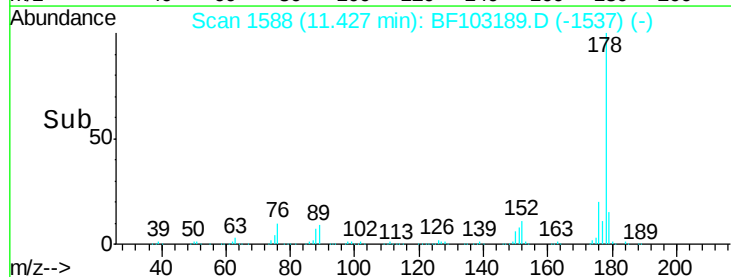
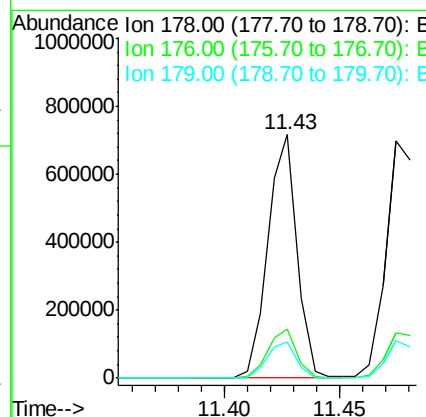
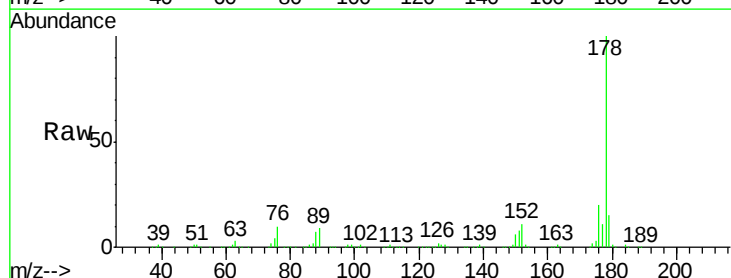
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

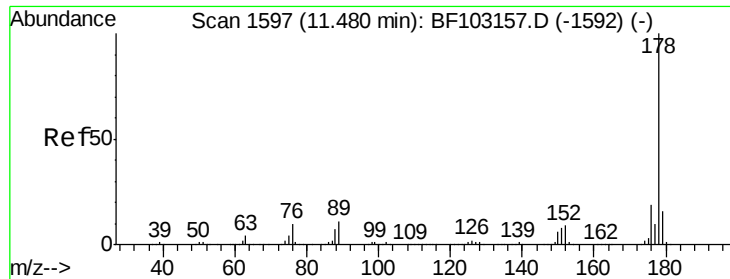
Tgt Ion:266 Resp: 59081
 Ion Ratio Lower Upper
 266 100
 268 60.2 51.1 76.7
 264 65.9 49.5 74.3



#70
 Phenanthrene
 Concen: 20.029 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:178 Resp: 628961
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.0 13.0 19.6

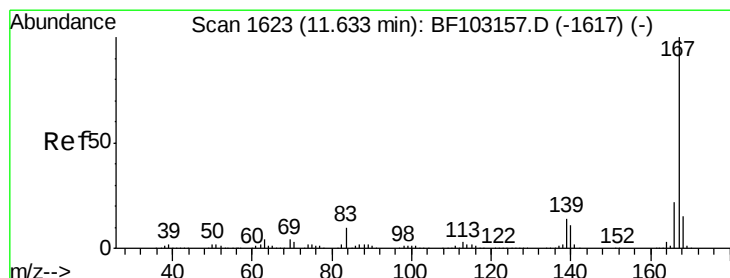
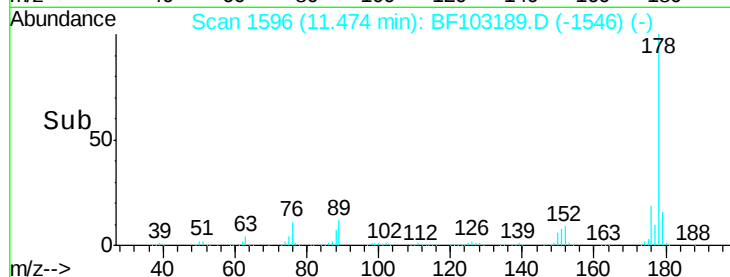
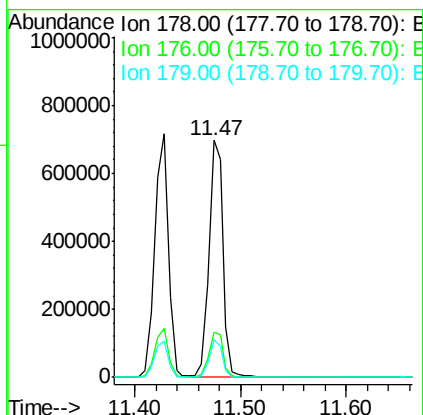
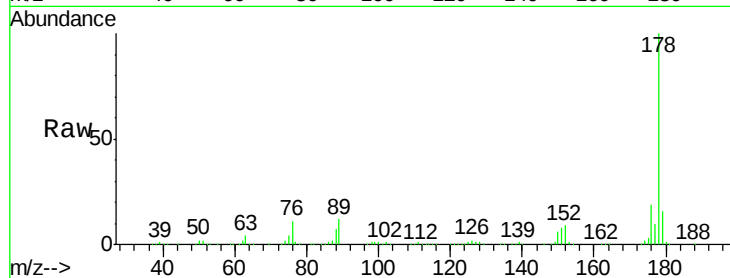




#71
 Anthracene
 Concen: 20.241 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

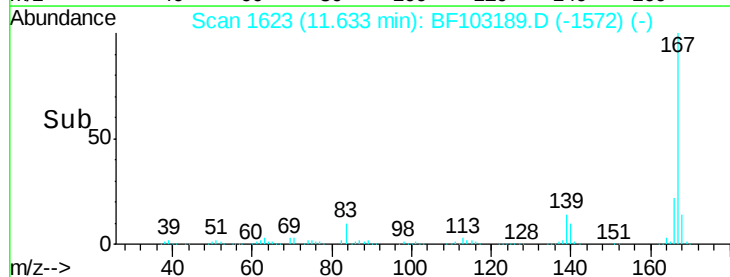
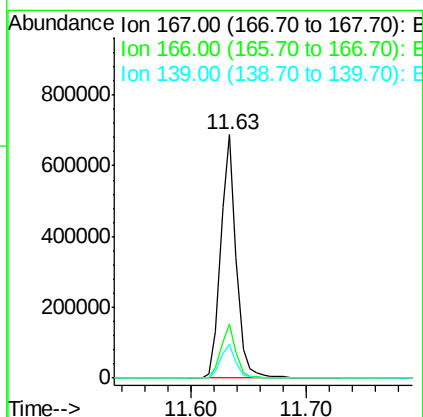
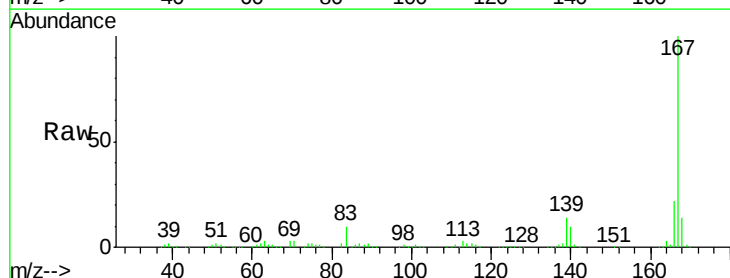
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

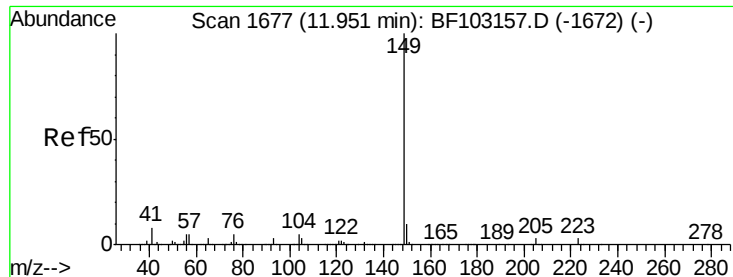
Tgt Ion:178 Resp: 651790
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 15.8 12.6 19.0



#72
 Carbazole
 Concen: 19.928 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.00 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:167 Resp: 639044
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 13.8 10.9 16.3





#73

Di-n-butylphthalate

Concen: 20.260 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

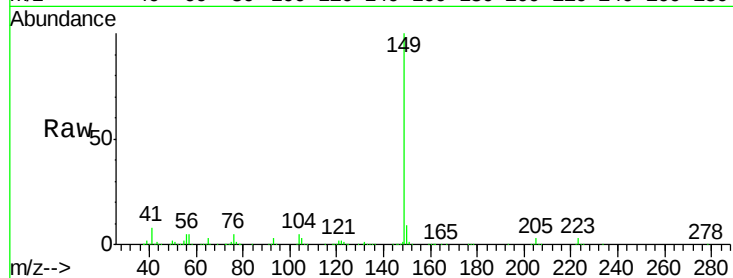
Tgt Ion:149 Resp: 812940

Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.6

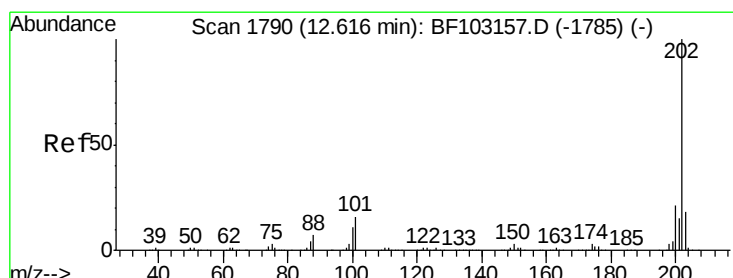
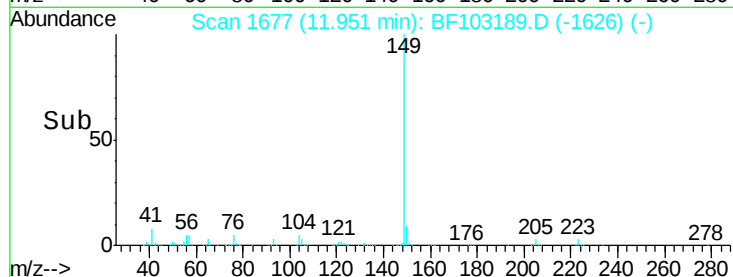
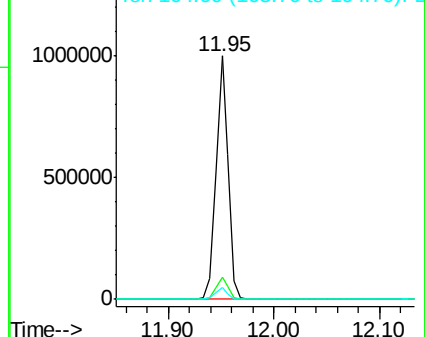
104 4.8 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 19.829 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

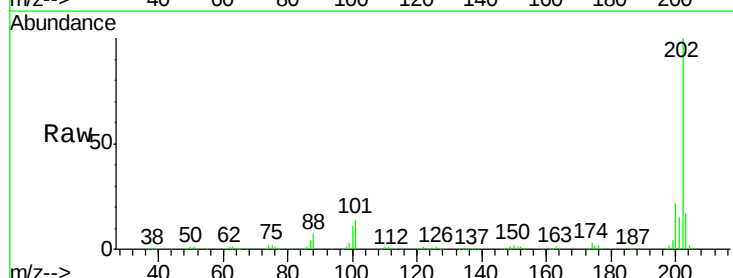
Tgt Ion:202 Resp: 625709

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.1

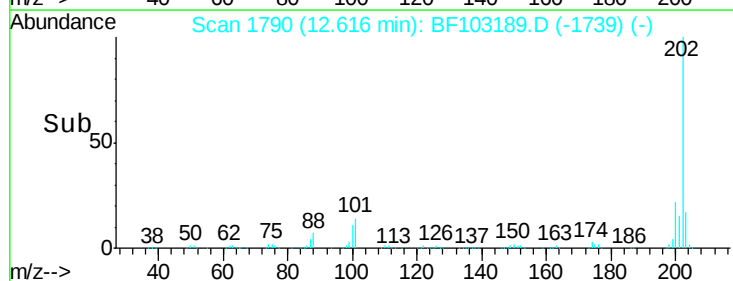
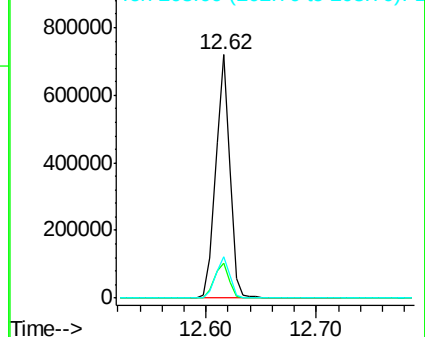
203 17.1 0.0 38.1

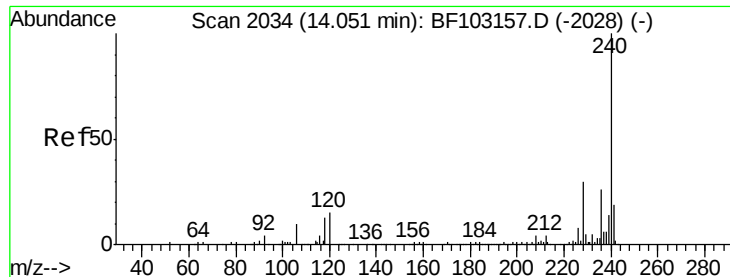


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

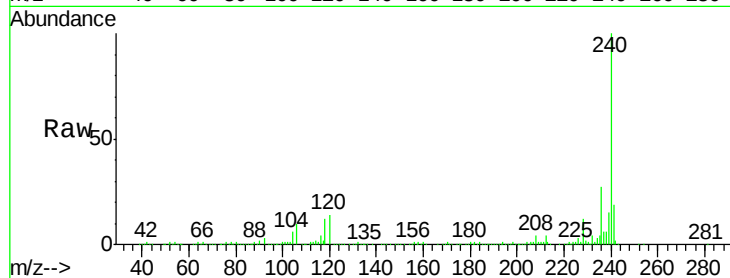
Tgt Ion:240 Resp: 413240

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

236 26.8 20.7 31.1

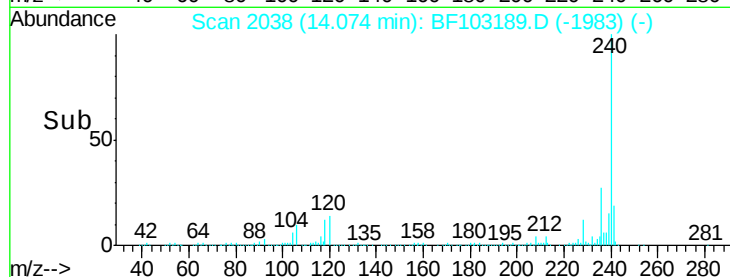


Abundance Ion 240.00 (239.70 to 240.70): E

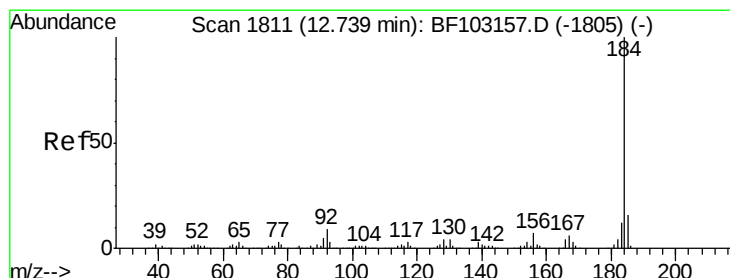
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.07



Time-->



#76

Benzidine

Concen: 13.381 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

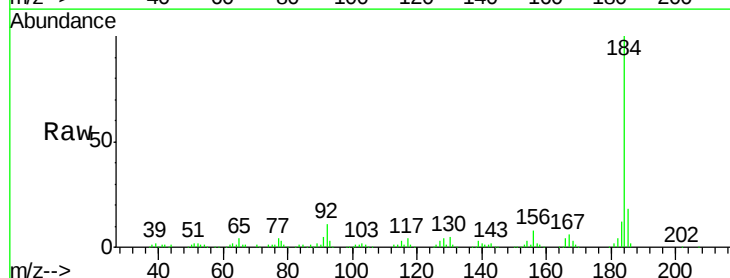
Tgt Ion:184 Resp: 206720

Ion Ratio Lower Upper

184 100

185 18.2 12.6 18.8

183 11.5 9.3 13.9

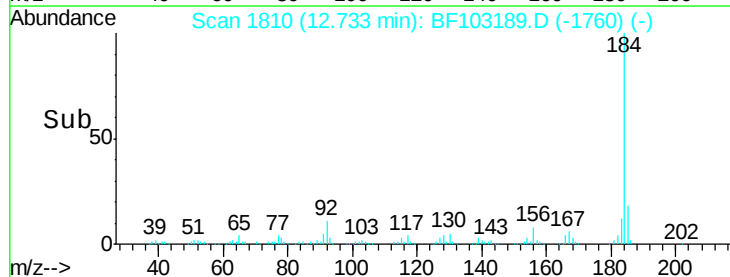


Abundance Ion 184.00 (183.70 to 184.70): E

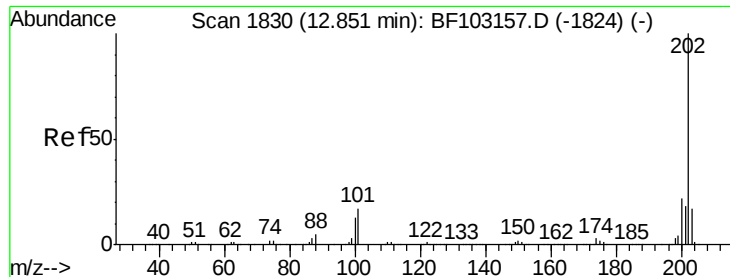
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.73



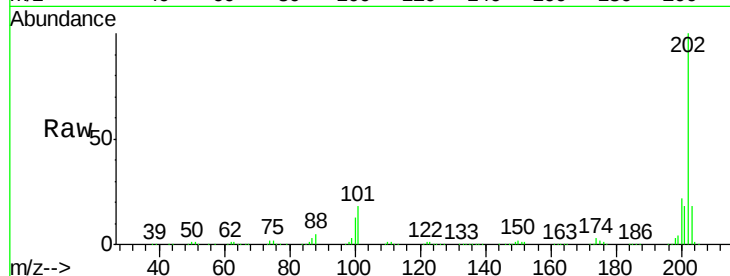
Time-->



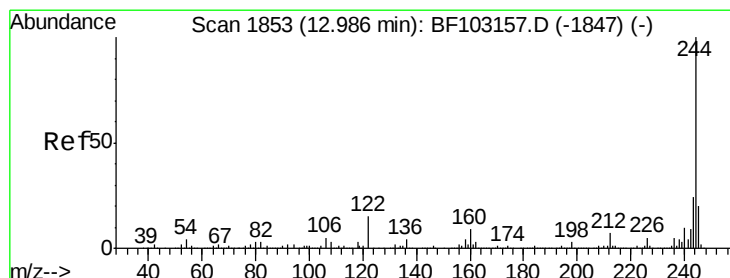
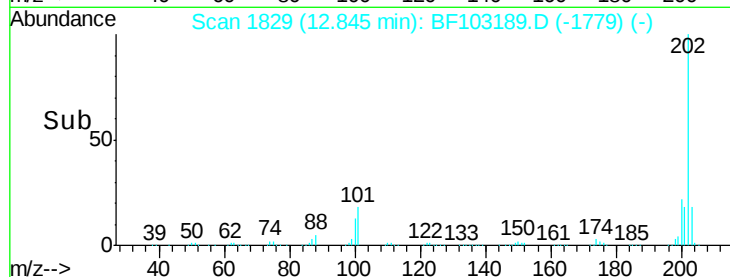
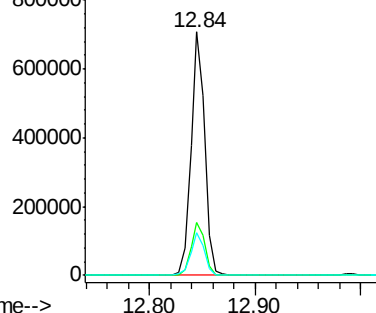
#77
 Pyrene
 Concen: 20.217 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion: 202 Resp: 651351
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.4 26.2
 203 17.6 14.3 21.5

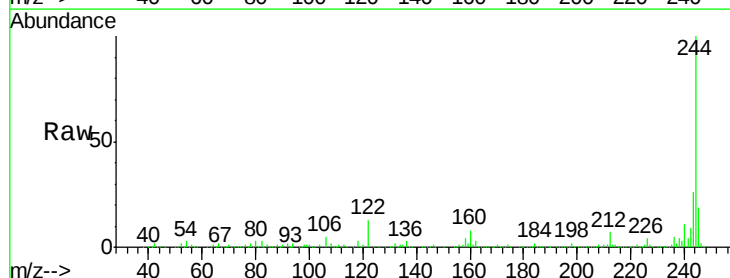


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

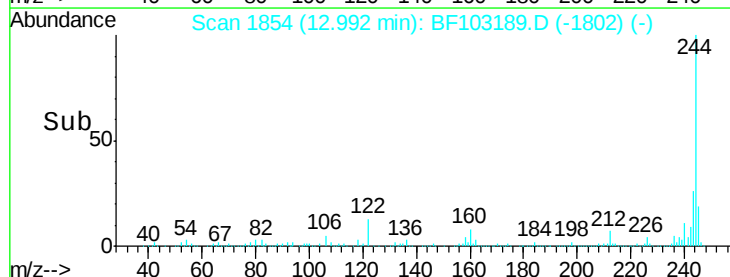
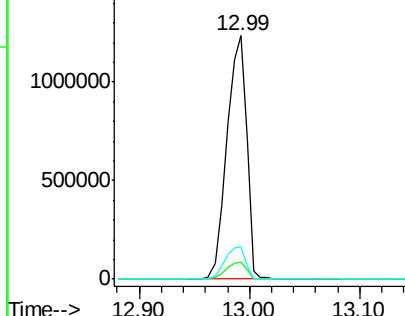


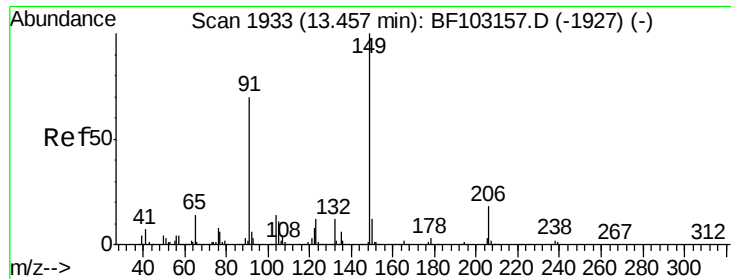
#78
 Terphenyl-d14
 Concen: 90.208 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion: 244 Resp: 1550737
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.4 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

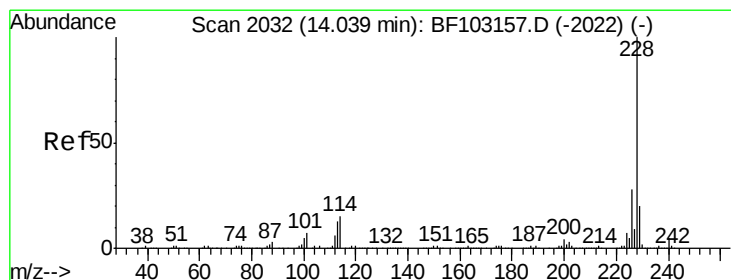
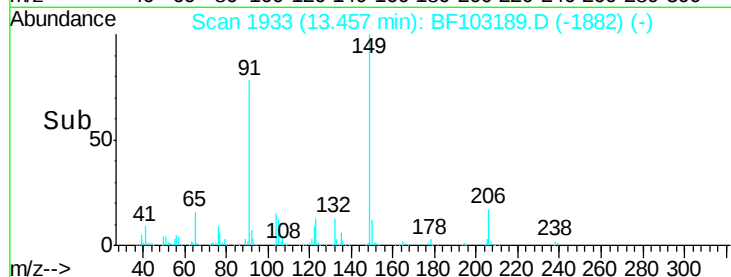
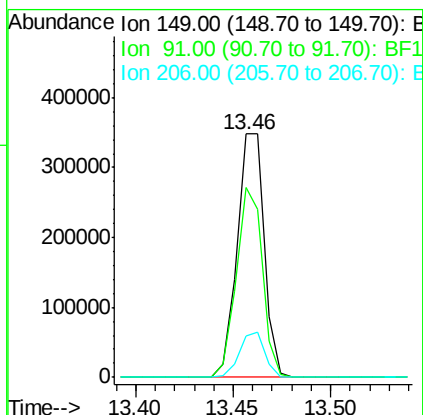
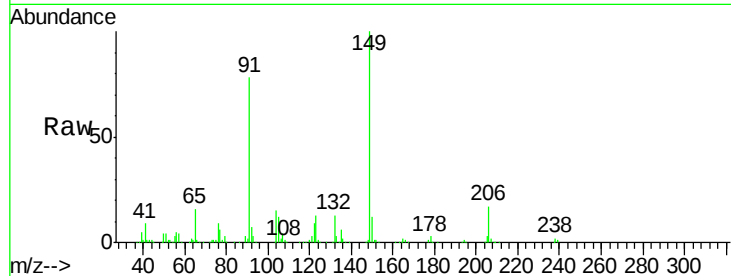




#79
Butylbenzylphthalate
Concen: 19.759 ng
RT: 13.46 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

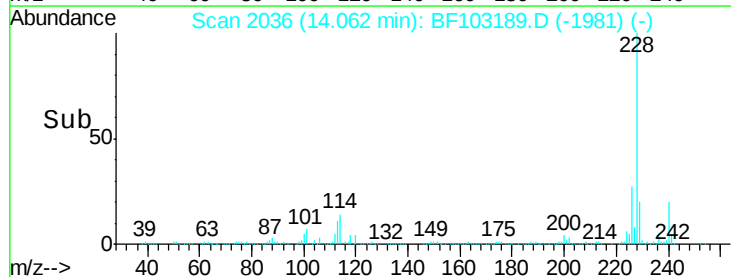
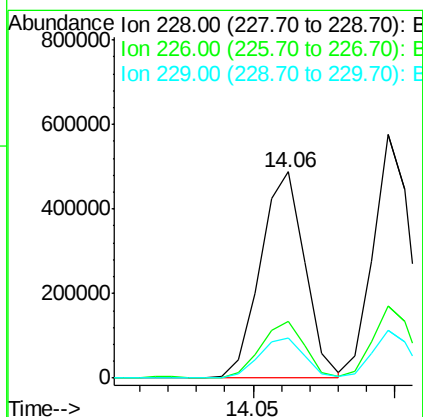
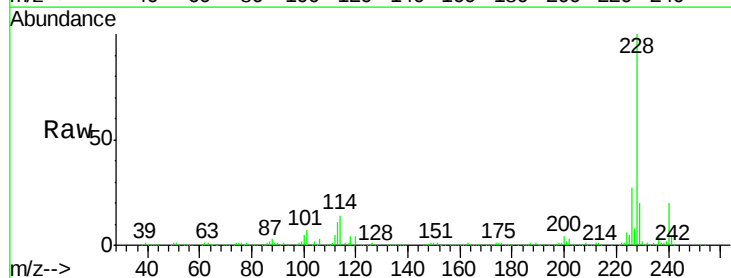
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

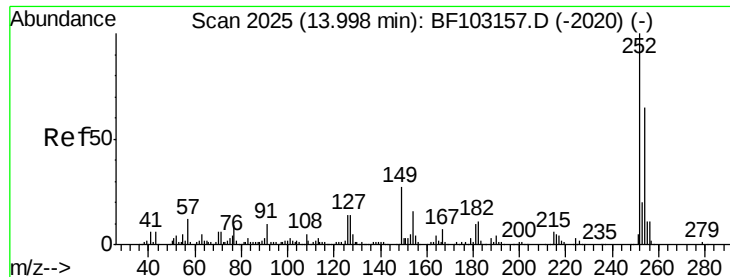
Tgt Ion:149 Resp: 336351
Ion Ratio Lower Upper
149 100
91 77.9 56.8 85.2
206 16.7 14.1 21.1



#80
Benzo(a)anthracene
Concen: 19.803 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.02 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion:228 Resp: 530963
Ion Ratio Lower Upper
228 100
226 27.3 22.6 33.8
229 19.7 15.8 23.6





#81

3,3'-Dichlorobenzidine

Concen: 18.637 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.02 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

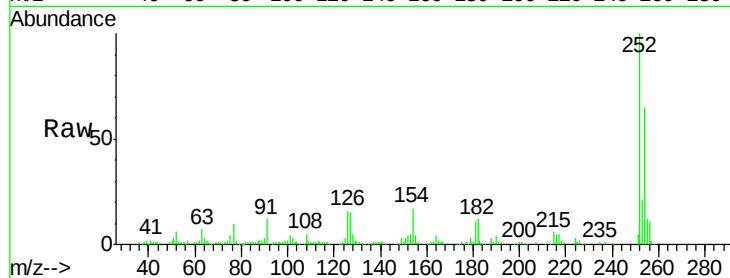
Tgt Ion:252 Resp: 178331

Ion Ratio Lower Upper

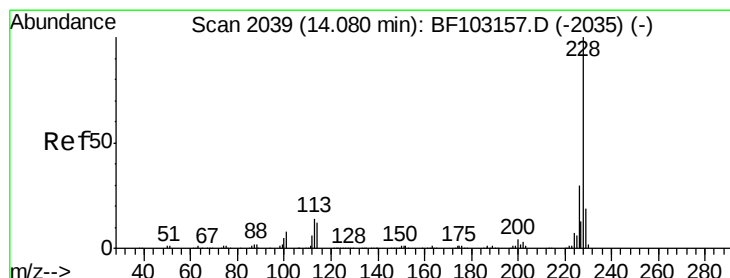
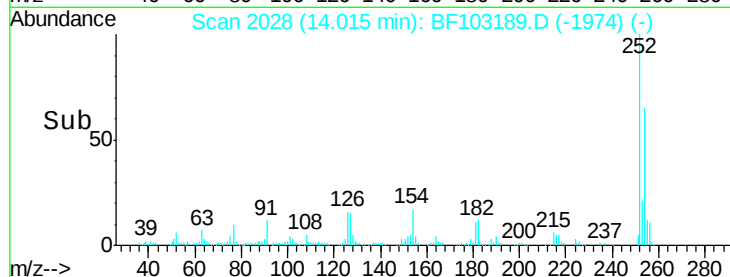
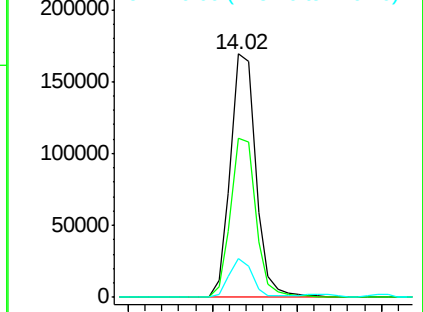
252 100

254 65.5 50.4 75.6

126 15.9 11.3 16.9



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



#82

Chrysene

Concen: 20.196 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.02 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

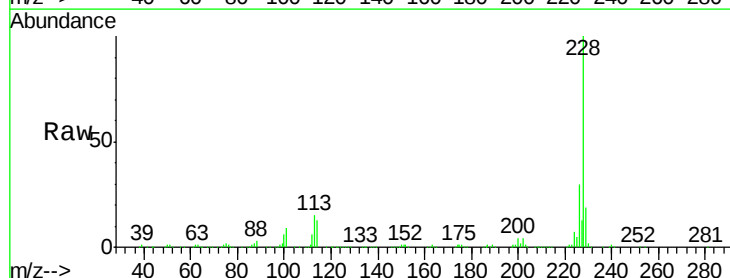
Tgt Ion:228 Resp: 525795

Ion Ratio Lower Upper

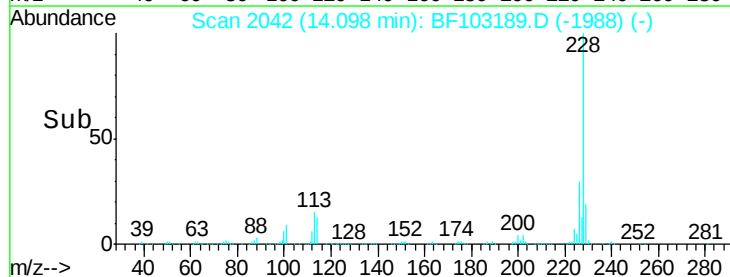
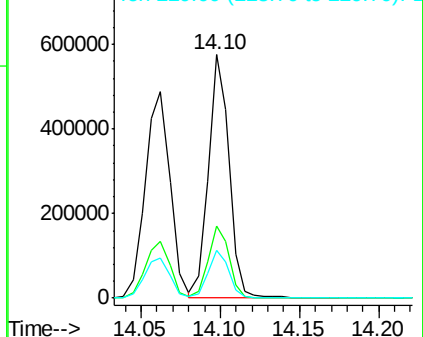
228 100

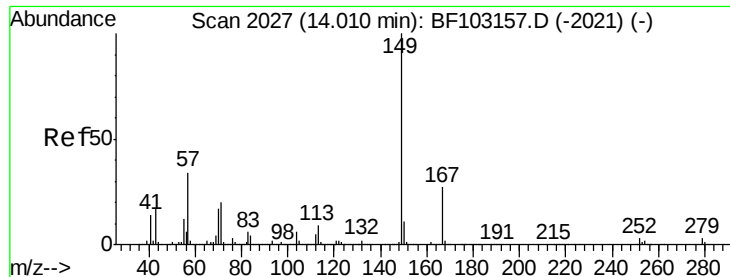
226 29.5 25.0 37.6

229 19.4 16.2 24.4



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

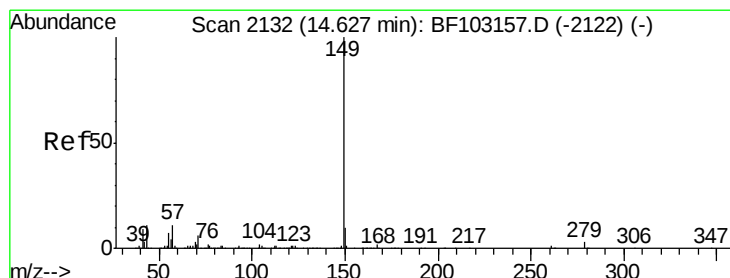
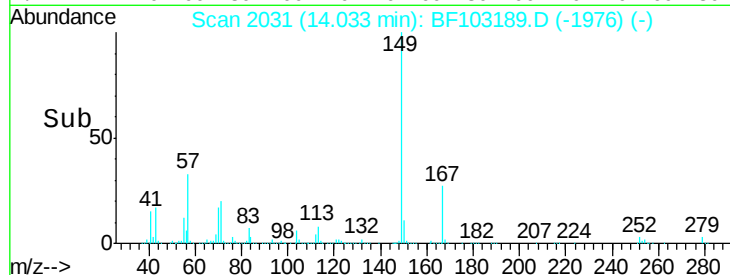
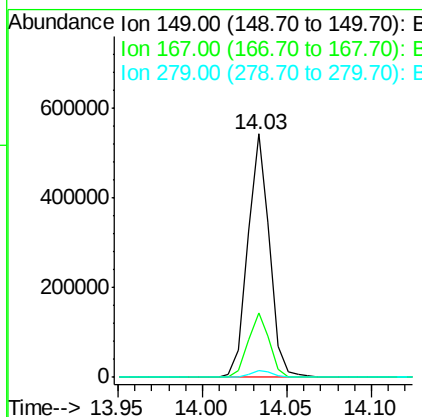
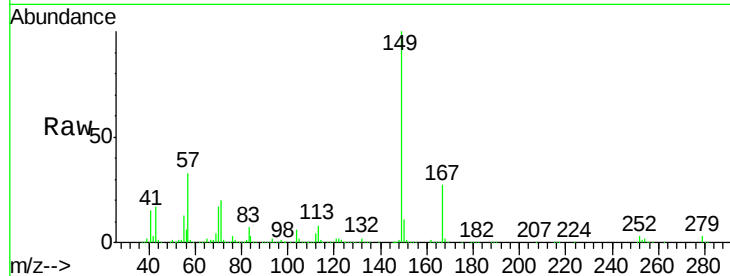




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 21.049 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.02 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

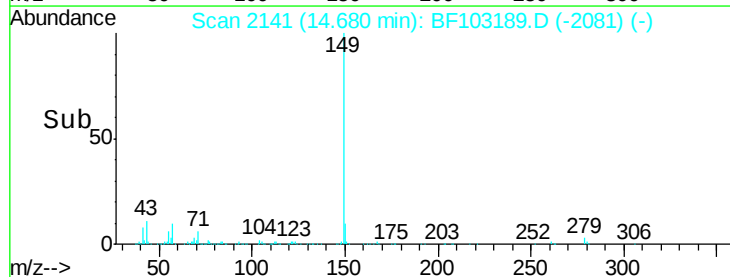
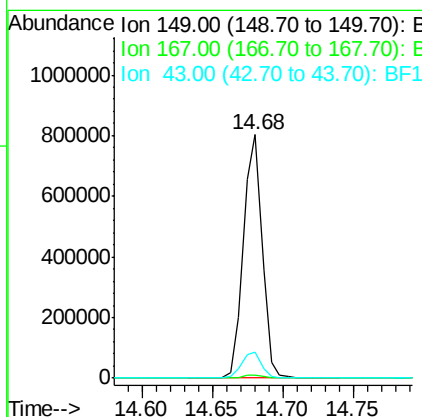
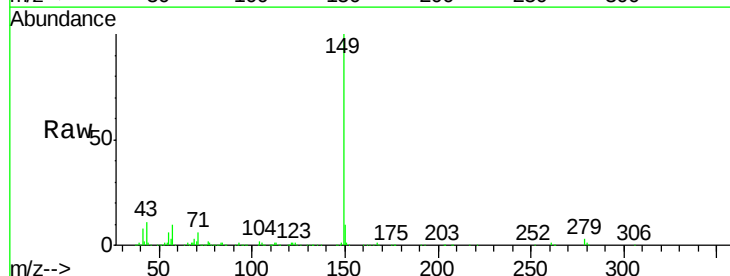
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

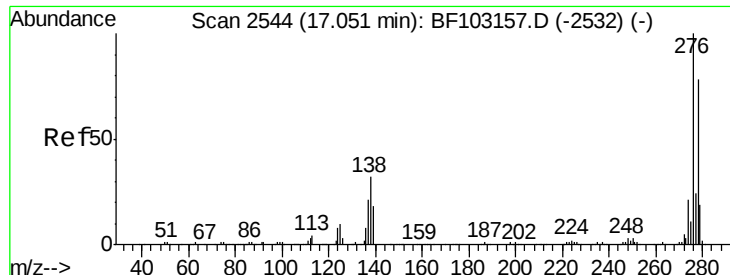
Tgt Ion:149 Resp: 483521
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.3 31.9
 279 2.8 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 20.044 ng
 RT: 14.68 min Scan# 2141
 Delta R.T. 0.05 min
 Lab File: BF103189.D
 Acq: 23 Feb 2018 10:39

Tgt Ion:149 Resp: 743934
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 11.0 8.4 12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 22.115 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.05 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

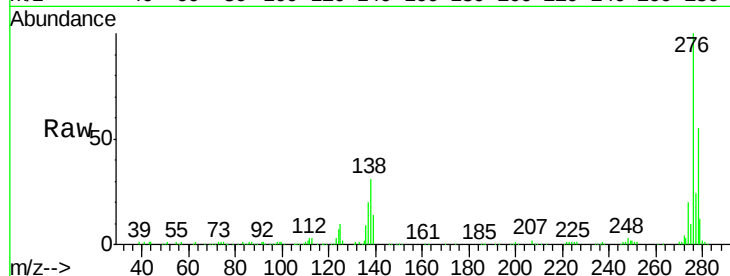
Tgt Ion:276 Resp: 455797

Ion Ratio Lower Upper

276 100

138 33.2 25.0 37.6

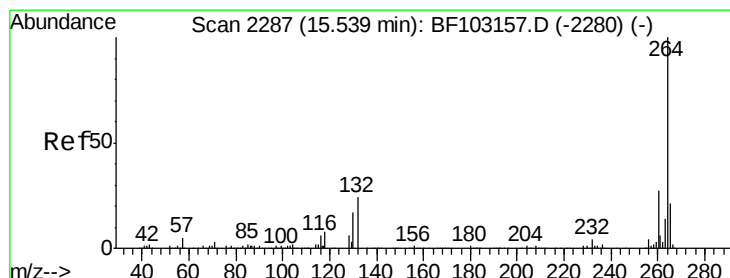
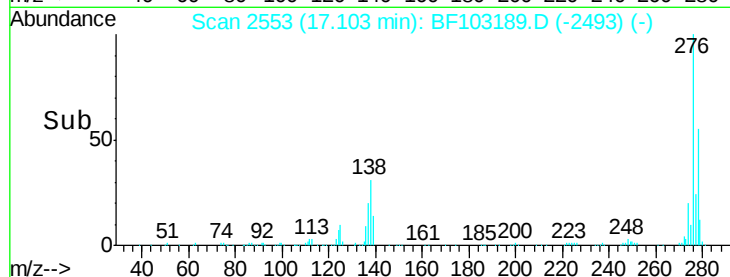
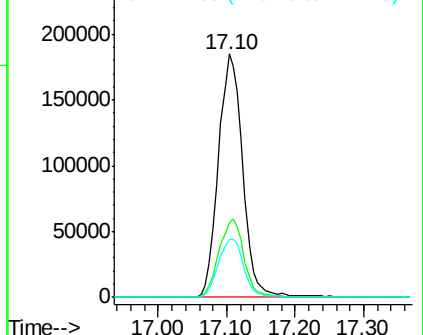
277 24.8 20.1 30.1



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: 15.59 min Scan# 2296

Delta R.T. 0.05 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

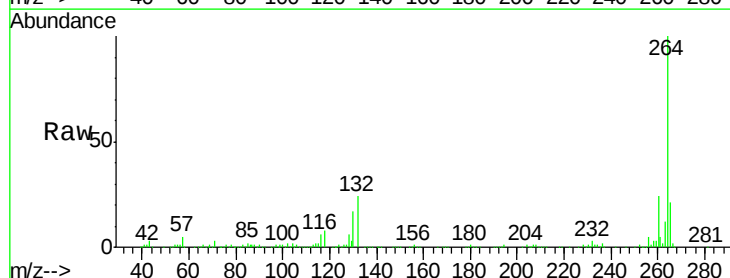
Tgt Ion:264 Resp: 406857

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

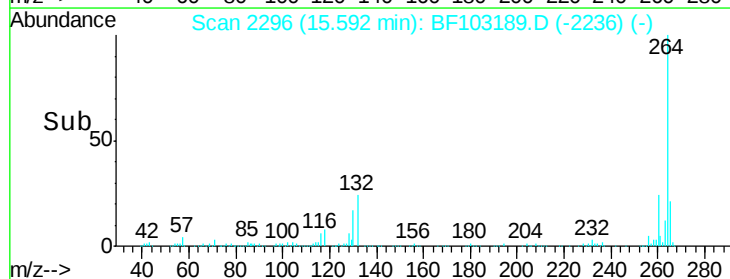
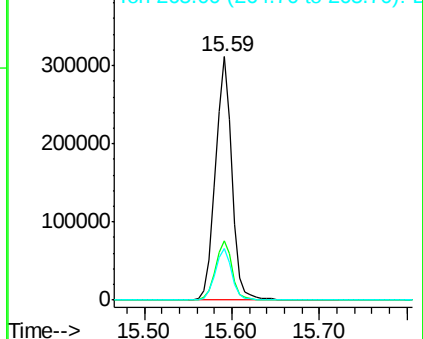
265 21.2 17.5 26.3

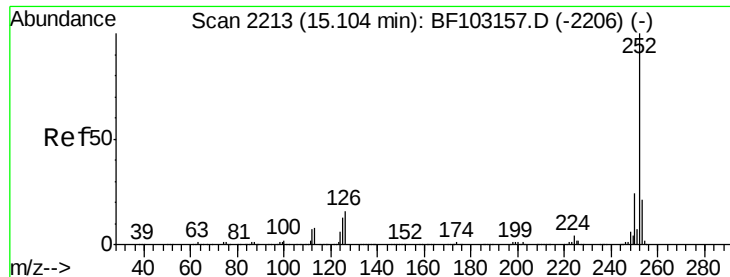


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

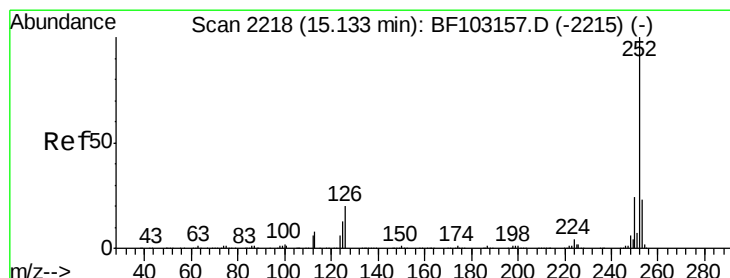
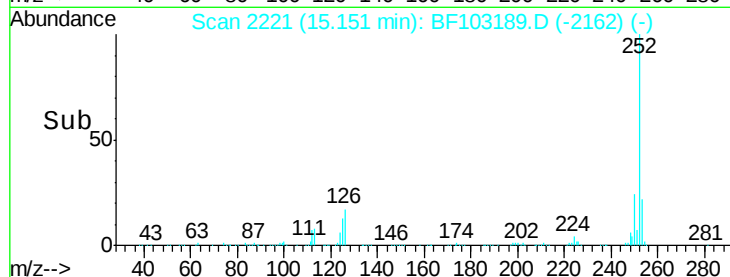
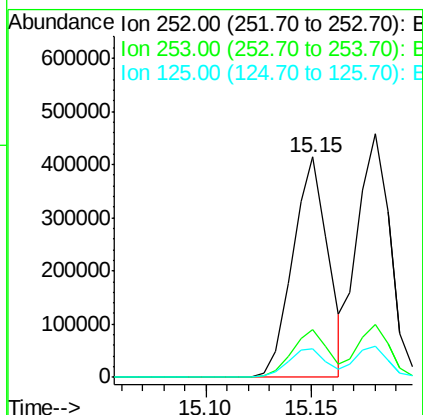
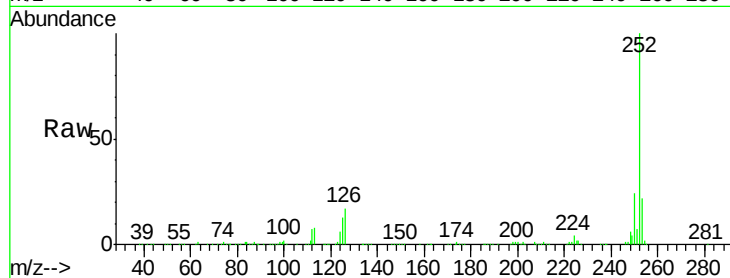




#87
Benzo(b)fluoranthene
Concen: 18.027 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.05 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

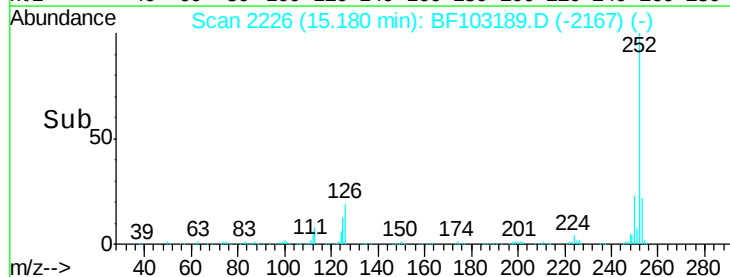
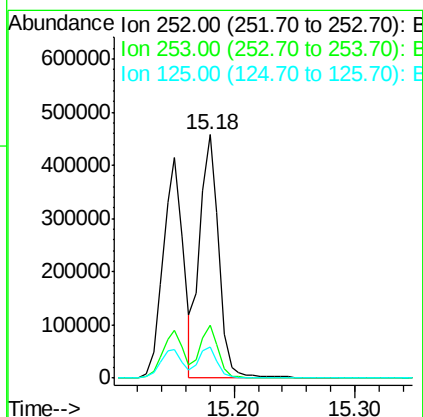
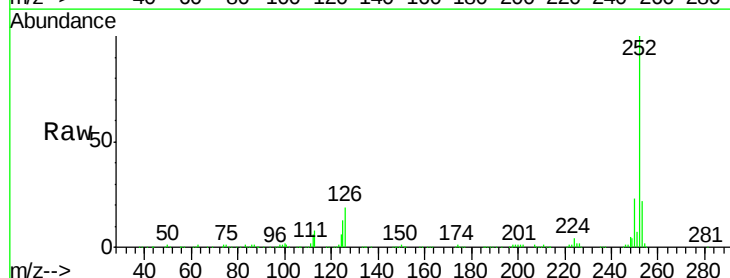
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2018

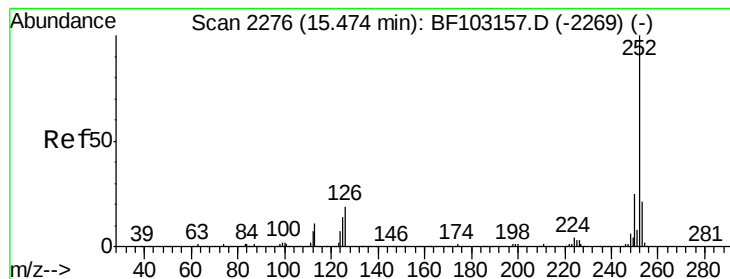
Tgt Ion:252 Resp: 482240
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 13.1 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 19.791 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.05 min
Lab File: BF103189.D
Acq: 23 Feb 2018 10:39

Tgt Ion:252 Resp: 498535
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 13.0 10.2 15.2





#89

Benzo(a)pyrene

Concen: 19.398 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.05 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018

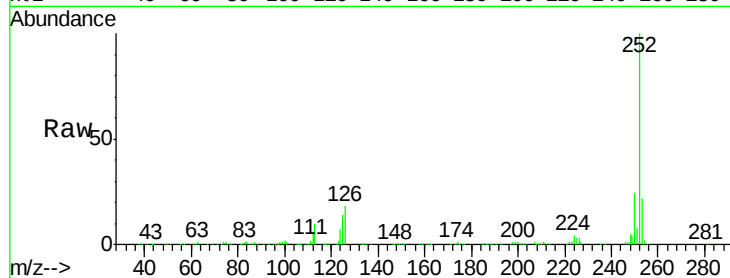
Tgt Ion:252 Resp: 463374

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

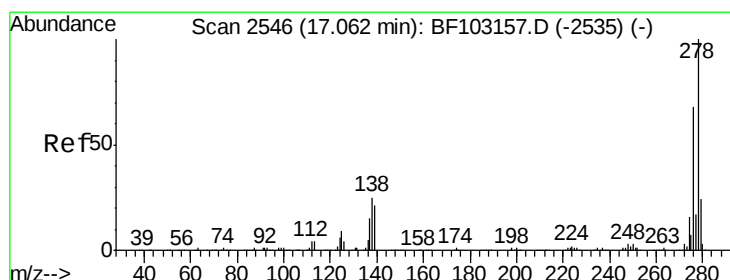
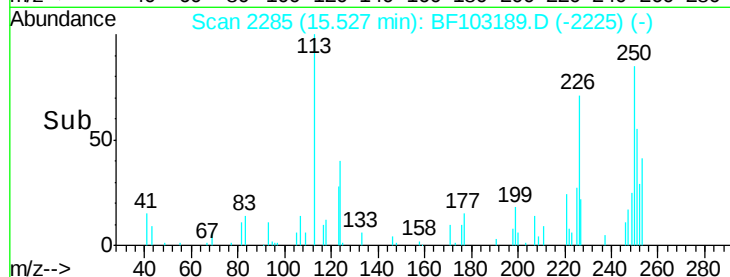
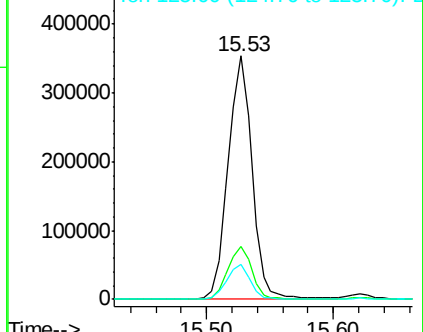
125 14.3 9.8 14.6



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: 20.206 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.05 min

Lab File: BF103189.D

Acq: 23 Feb 2018 10:39

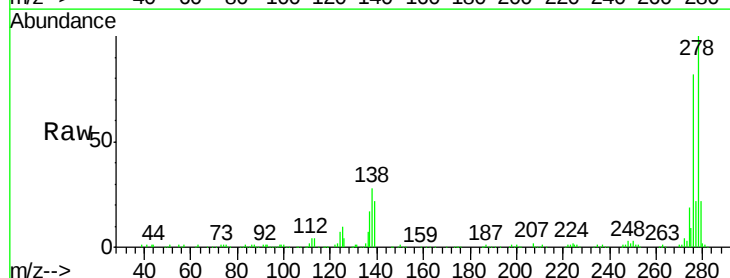
Tgt Ion:278 Resp: 372981

Ion Ratio Lower Upper

278 100

139 22.0 15.9 23.9

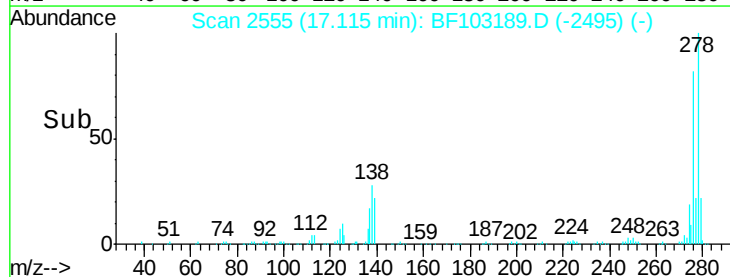
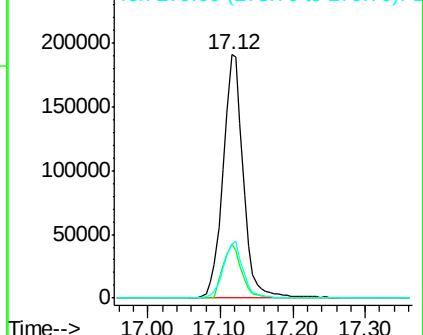
279 22.4 19.0 28.4

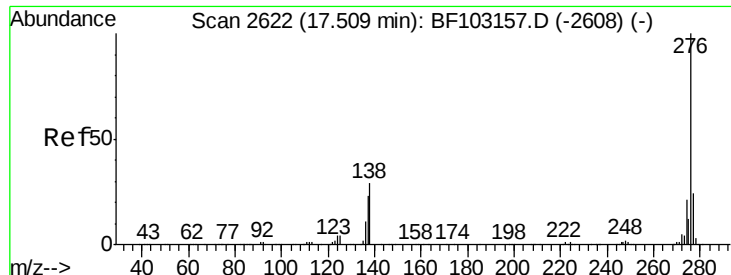


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 20.840 ng

RT: 17.57 min Scan# 2632

Delta R.T. 0.06 min

Lab File: BF103189.D

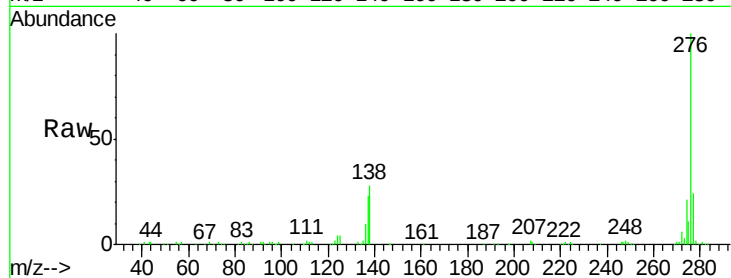
Acq: 23 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2018



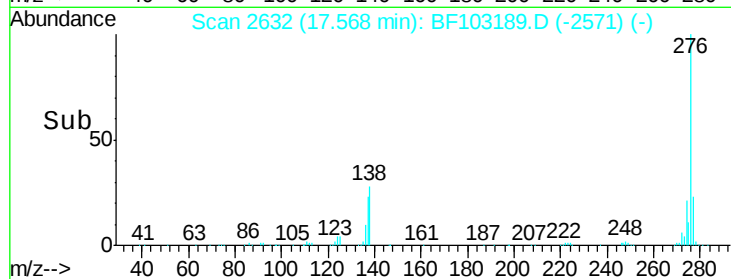
Tgt Ion: 276 Resp: 375959

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 28.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

