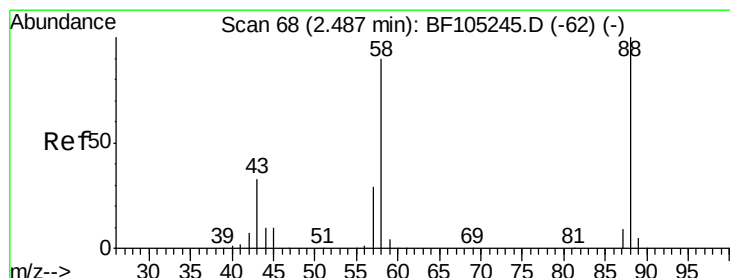
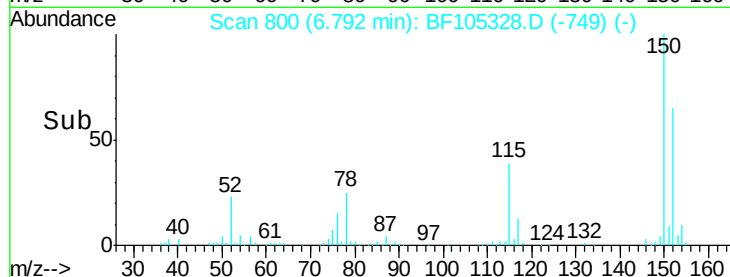
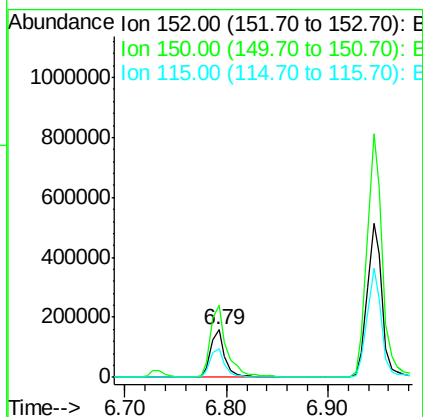
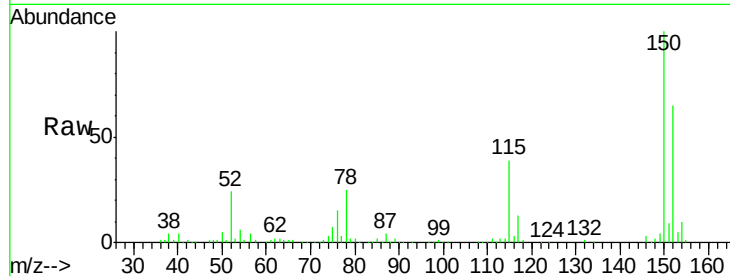


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

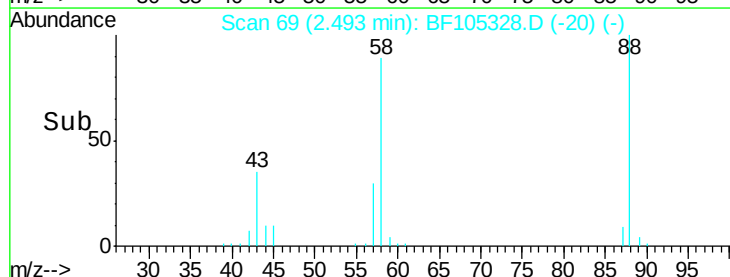
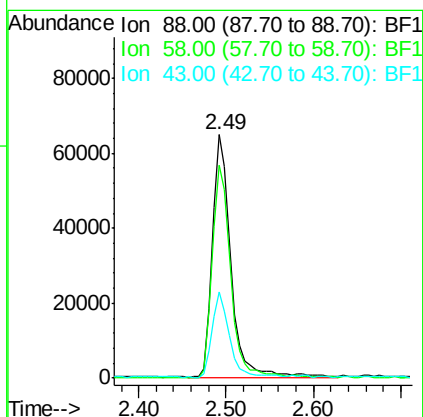
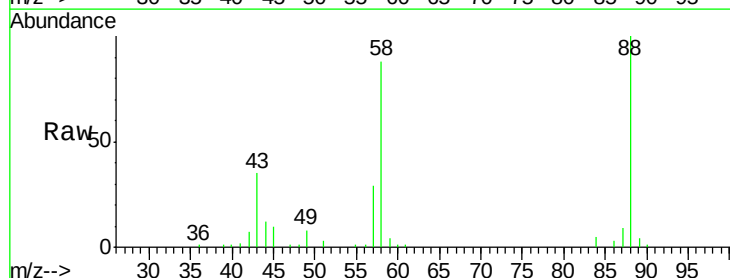
Tot Ion:152 Resp: 158444
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 60.5 50.1 75.1

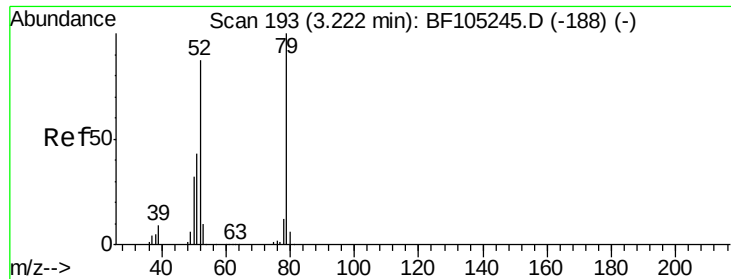


#2

1,4-Dioxane
Concen: 20.534 ng
RT: 2.49 min Scan# 69
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion: 88 Resp: 98000
Ion Ratio Lower Upper
88 100
58 85.4 62.6 93.8
43 32.1 24.6 37.0





#3

Pvridine

Concen: 18.921 ng

RT: 3.26 min Scan# 199

Delta R.T. 0.02 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

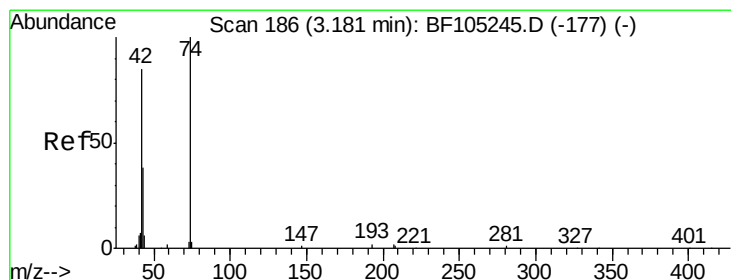
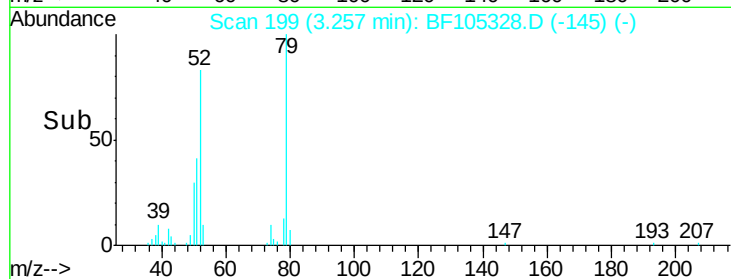
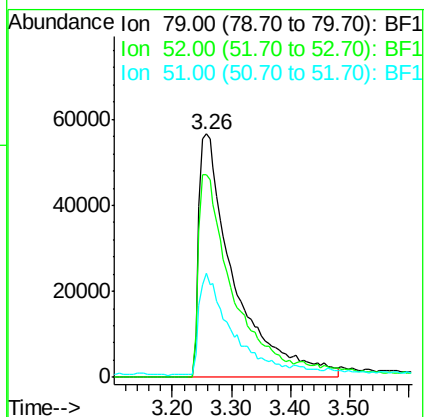
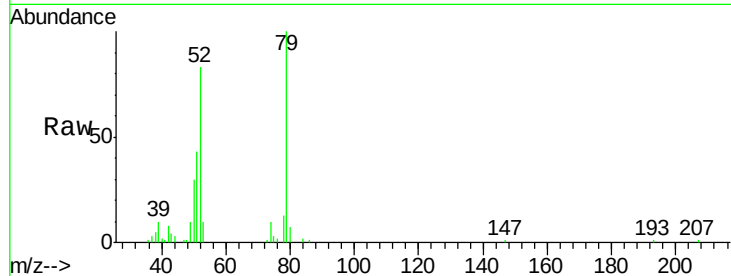
Tot Ion: 79 Resp: 234332

Ion Ratio Lower Upper

79 100

52 83.2 59.8 89.6

51 42.6 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 16.027 ng

RT: 3.18 min Scan# 186

Delta R.T. -0.02 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

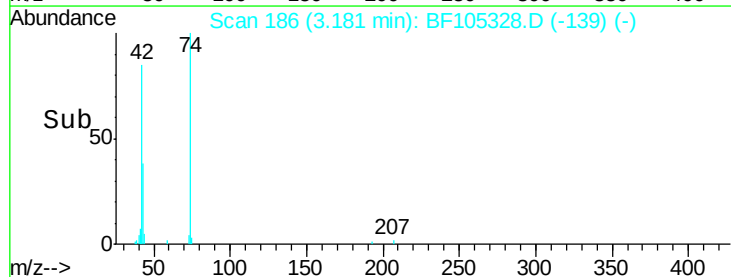
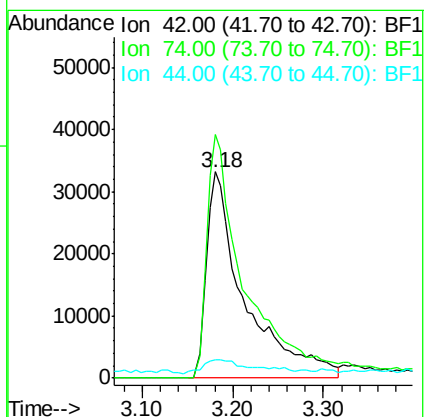
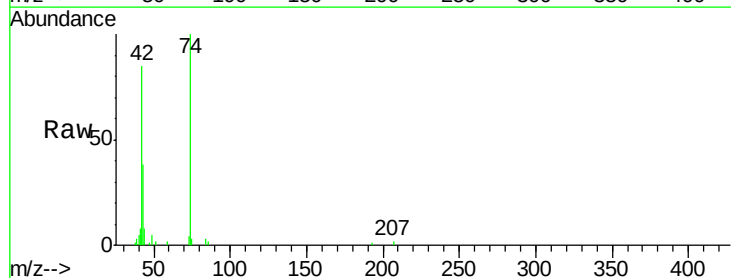
Tgt Ion: 42 Resp: 97167

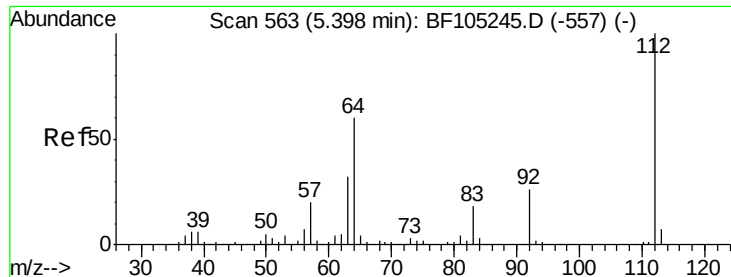
Ion Ratio Lower Upper

42 100

74 118.3 104.9 157.3

44 9.1 6.9 10.3





#5

2-Fluorophenol

Concen: 112.408 ng

RT: 5.40 min Scan# 564

Delta R.T. 0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

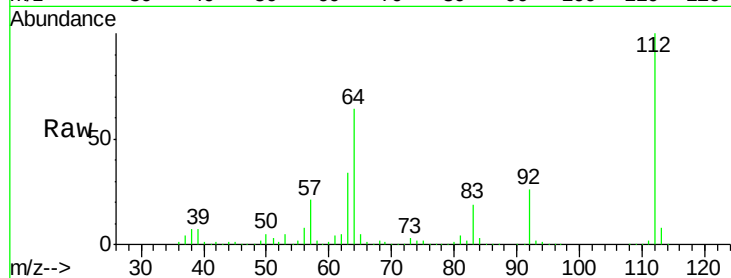
Tot Ion:112 Resp: 1184183

Ion Ratio Lower Upper

112 100

64 64.0 47.9 71.9

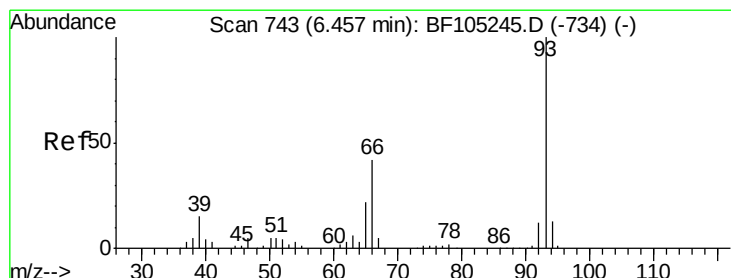
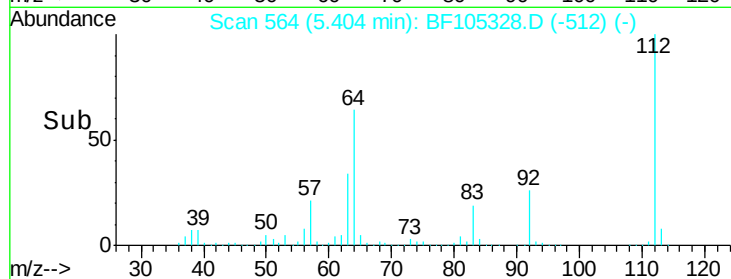
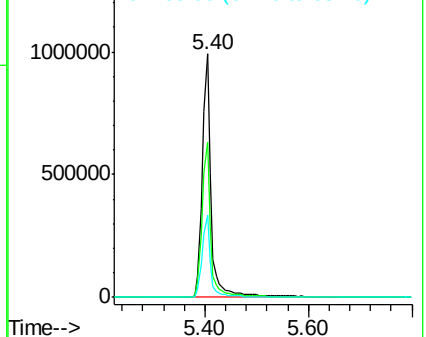
63 33.6 23.7 35.5



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: 20.684 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

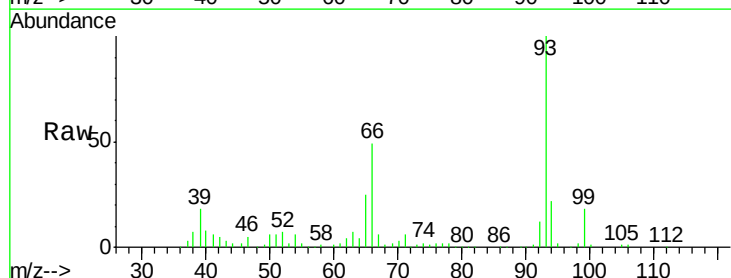
Tgt Ion: 93 Resp: 335740

Ion Ratio Lower Upper

93 100

66 49.4 32.2 48.2#

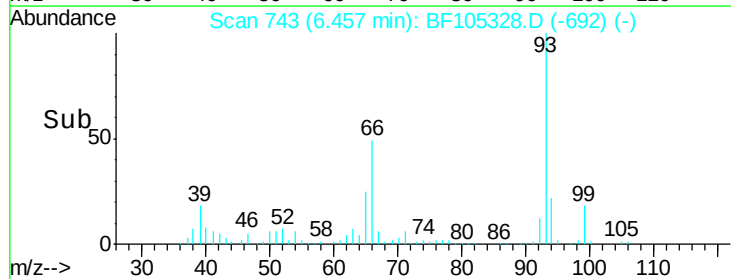
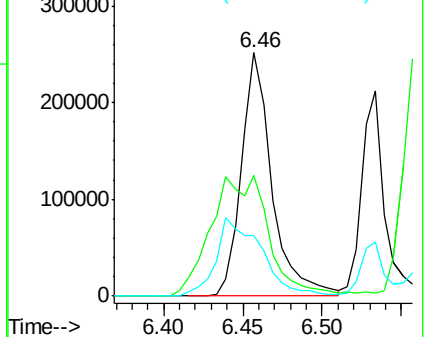
65 25.0 16.4 24.6#

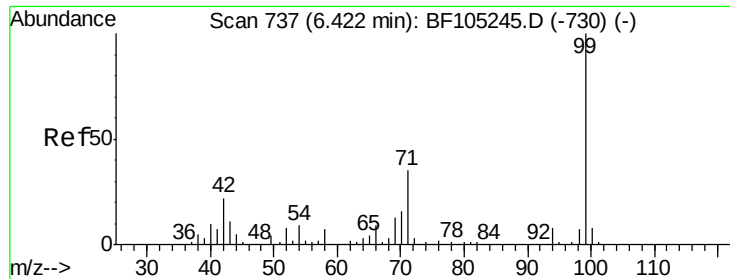


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 113.375 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

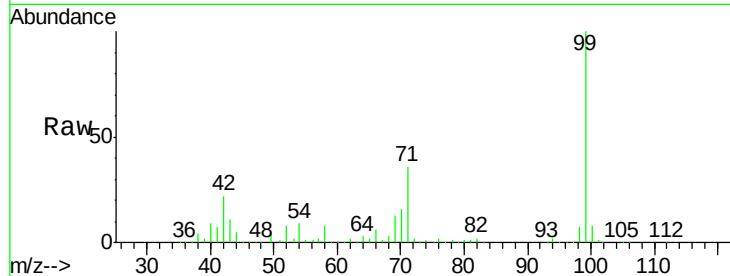
Tot Ion: 99 Resp: 1419226

Ion Ratio Lower Upper

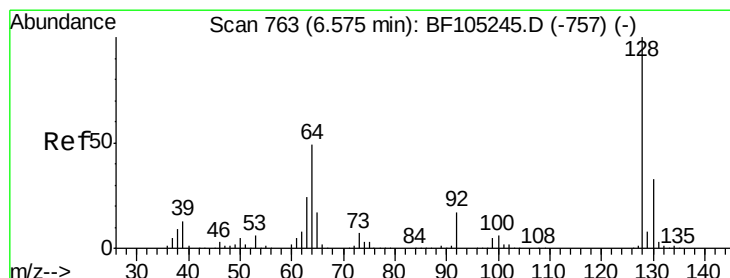
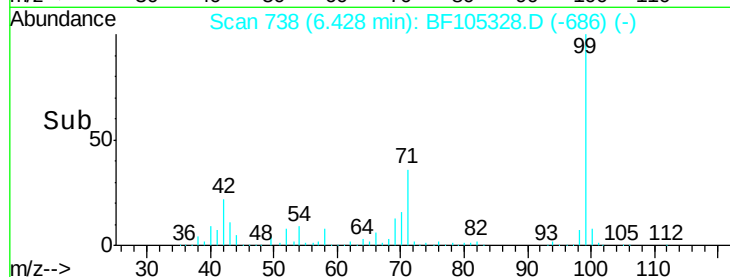
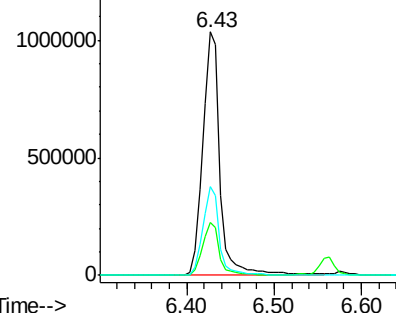
99 100

42 21.7 14.5 21.7

71 36.2 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: 20.397 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.00 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

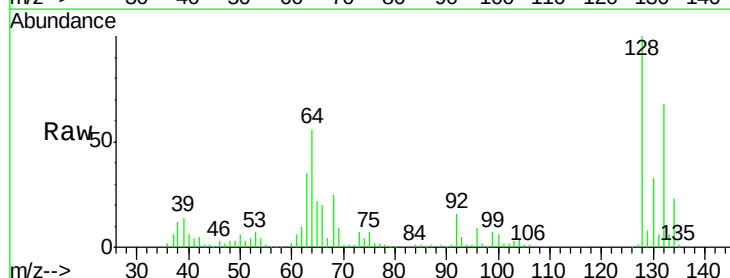
Tgt Ion:128 Resp: 228225

Ion Ratio Lower Upper

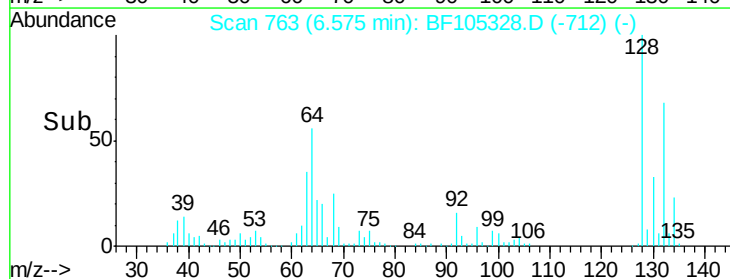
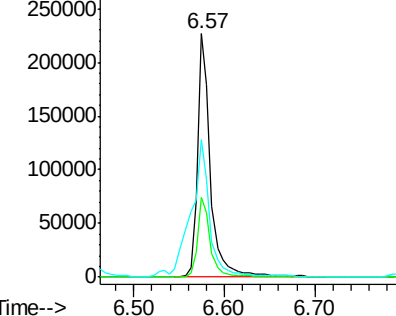
128 100

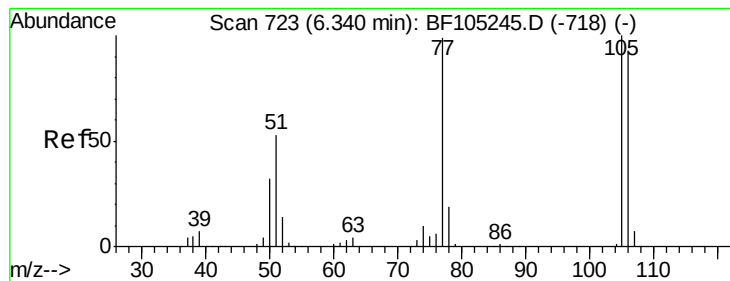
130 32.8 13.0 53.0

64 56.2 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: 19.434 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

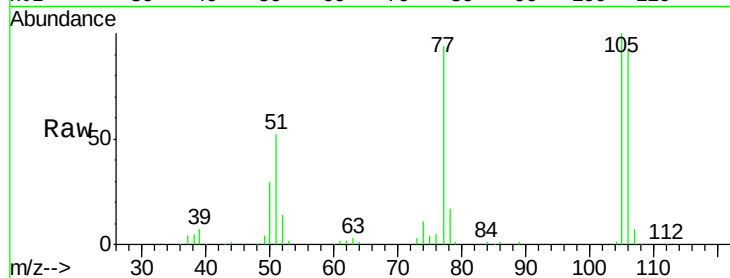
Tot Ion: 77 Resp: 165387

Ion Ratio Lower Upper

77 100

105 105.8 81.1 121.1

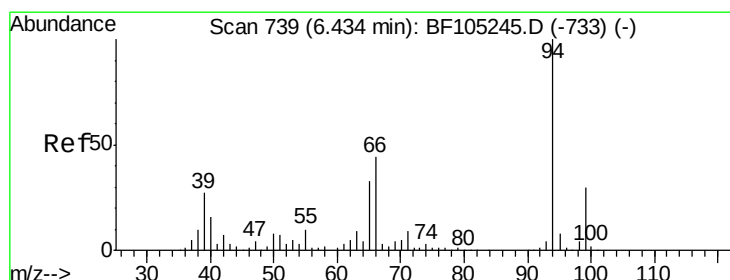
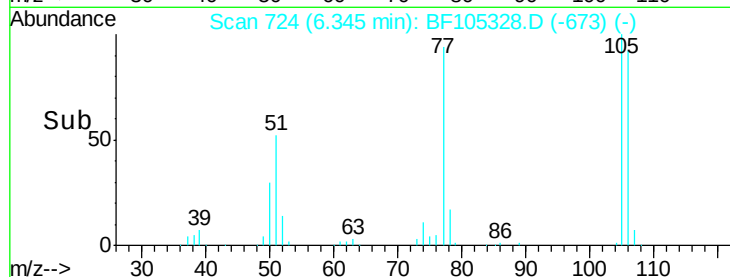
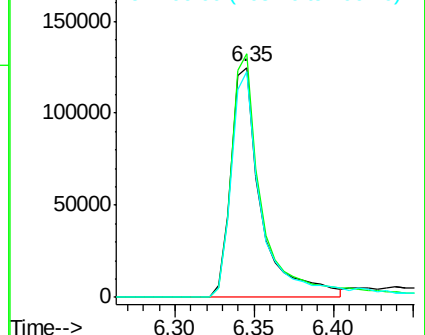
106 97.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 20.196 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

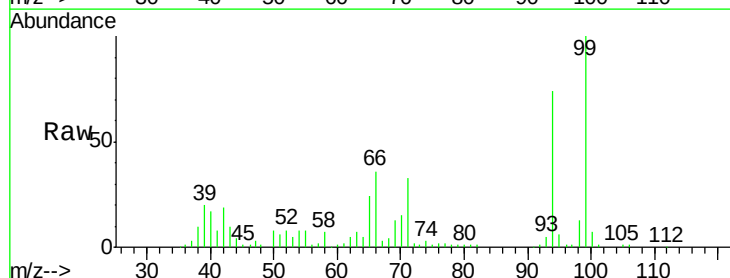
Tgt Ion: 94 Resp: 288433

Ion Ratio Lower Upper

94 100

65 32.2 7.9 47.9

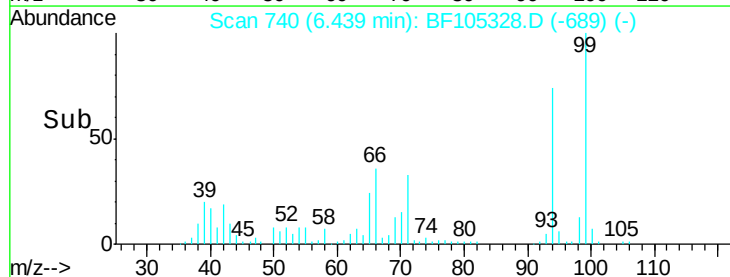
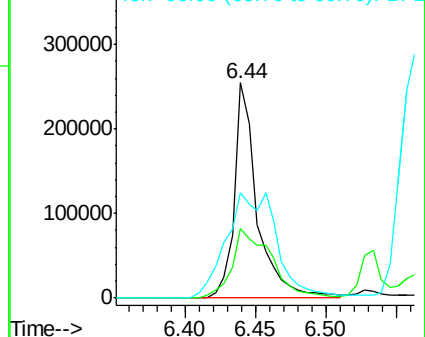
66 48.8 16.2 56.2

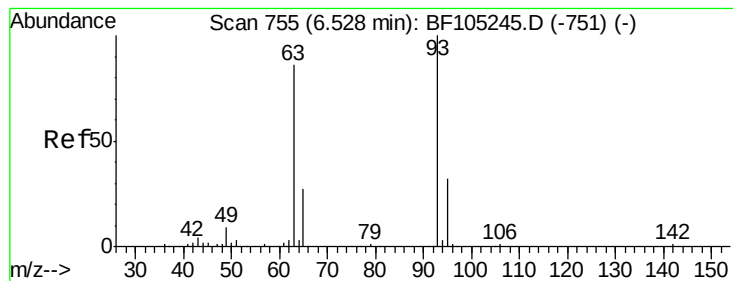


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

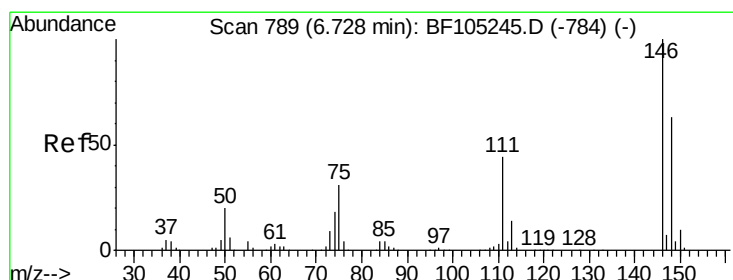
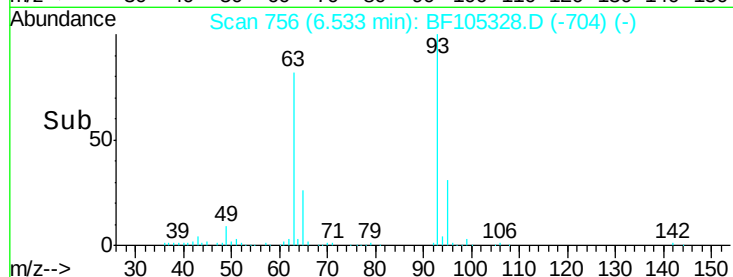
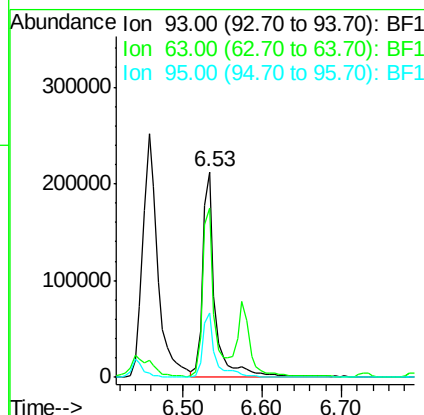
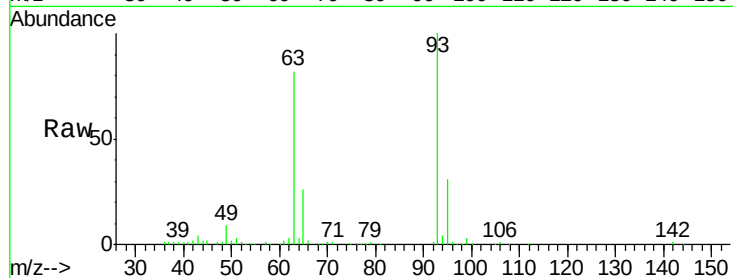




#11
 bis(2-Chloroethyl)ether
 Concen: 22.464 ng
 RT: 6.53 min Scan# 756
 Delta R.T. 0.01 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

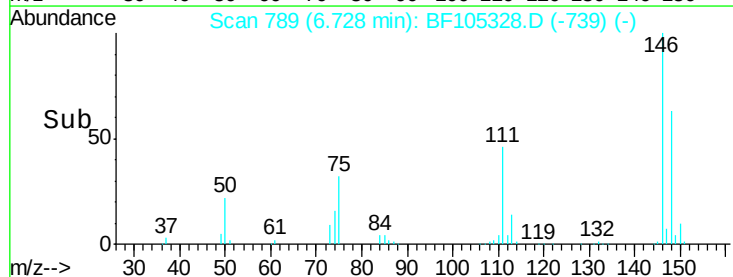
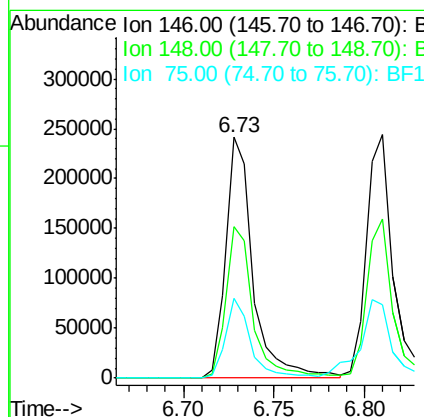
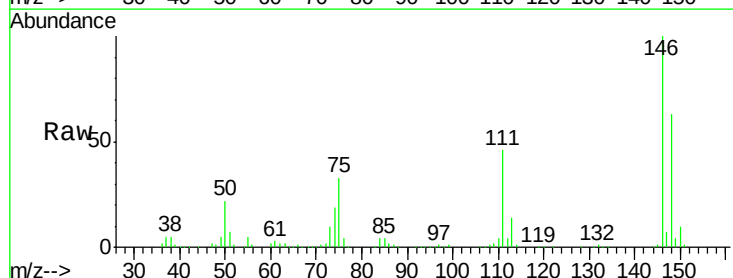
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

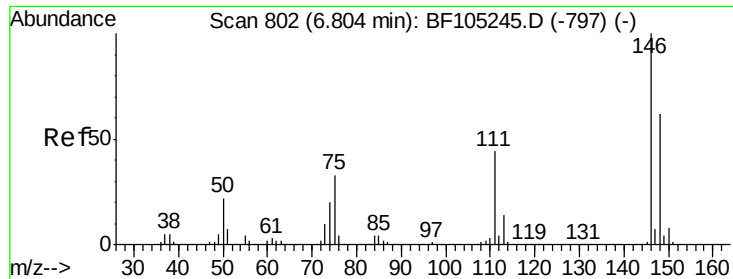
Tot Ion: 93 Resp: 235773
 Ion Ratio Lower Upper
 93 100
 63 82.1 58.6 98.6
 95 31.0 11.8 51.8



#12
 1,3-Dichlorobenzene
 Concen: 20.601 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion: 146 Resp: 253750
 Ion Ratio Lower Upper
 146 100
 148 63.1 51.8 77.8
 75 33.0 24.2 36.4

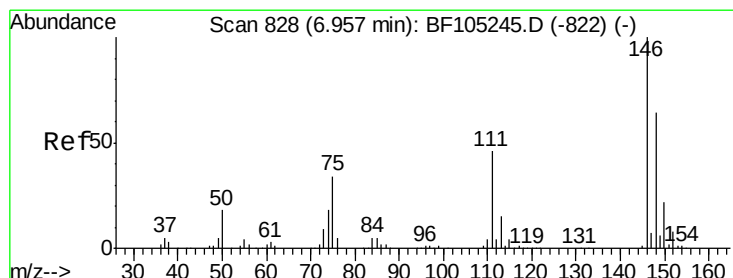
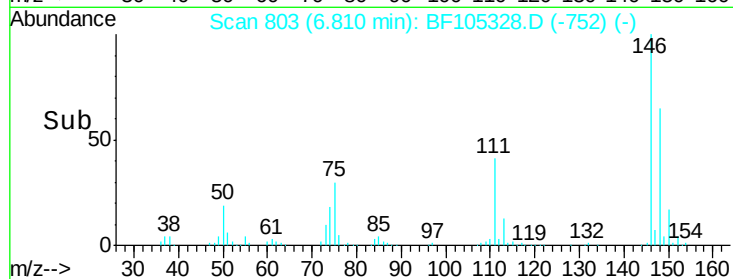
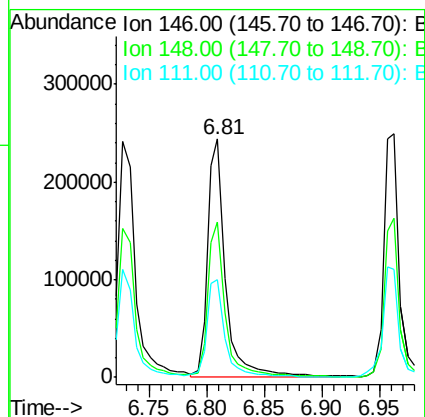
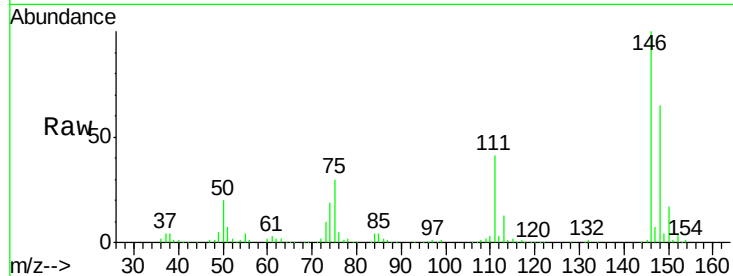




#13
 1,4-Dichlorobenzene
 Concen: 21.010 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

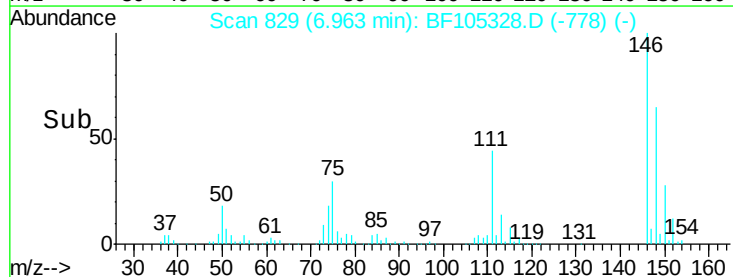
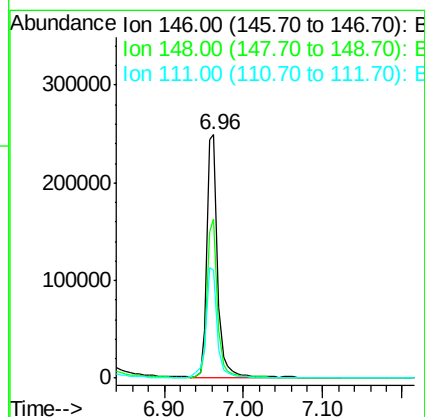
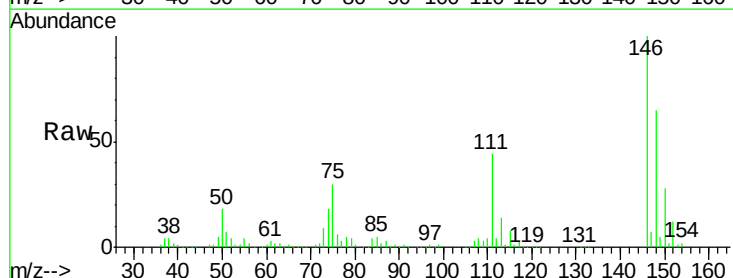
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

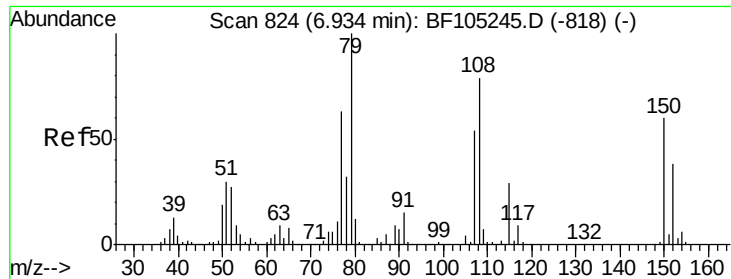
Tot Ion:146 Resp: 264256
 Ion Ratio Lower Upper
 146 100
 148 65.2 50.8 76.2
 111 41.0 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 20.853 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion:146 Resp: 241715
 Ion Ratio Lower Upper
 146 100
 148 65.4 50.6 75.8
 111 44.4 36.0 54.0

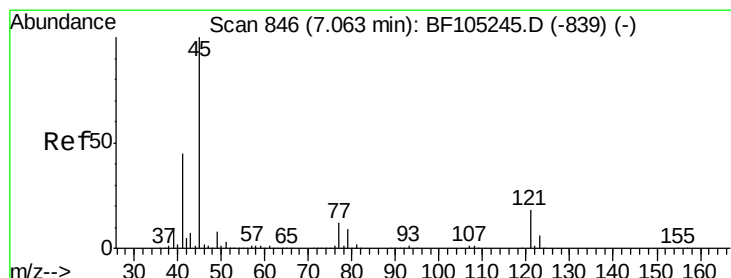
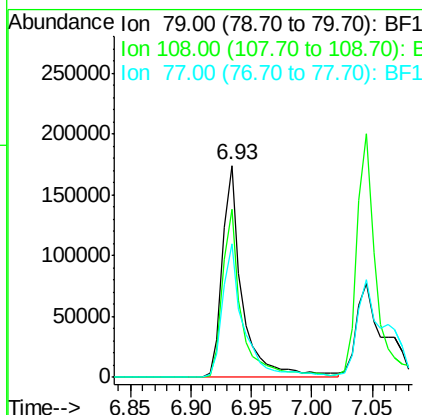
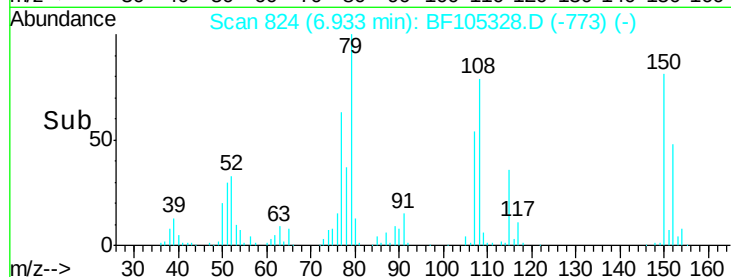
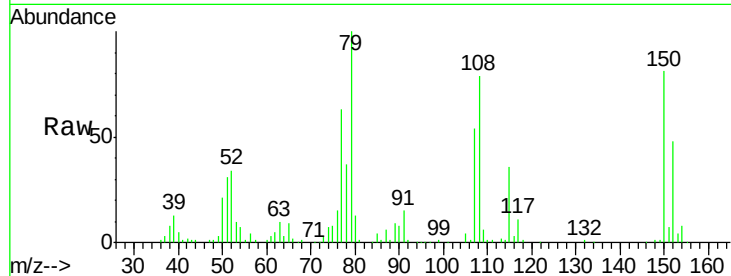




#15
Benzyl Alcohol
Concen: 20.353 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

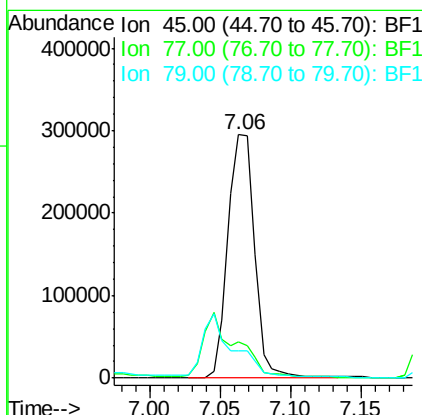
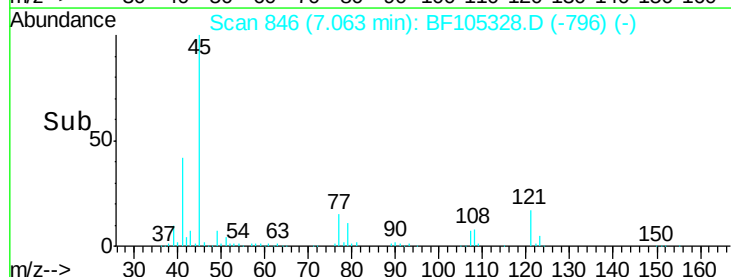
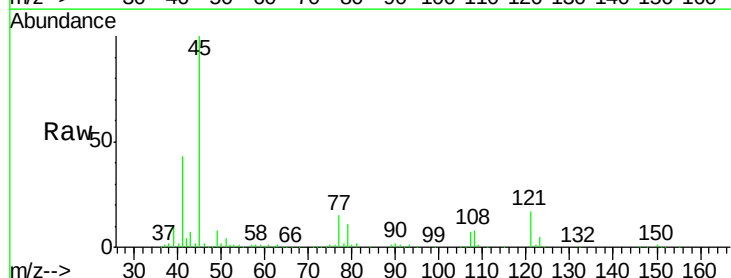
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

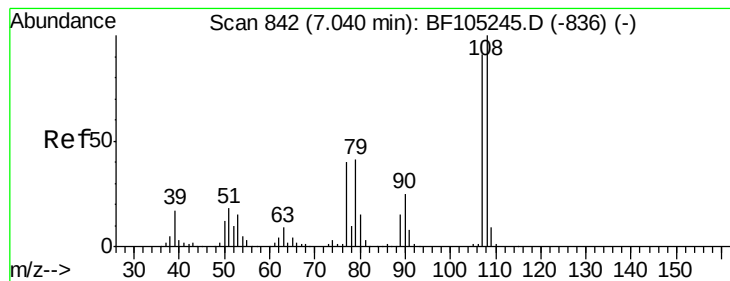
Tot Ion: 79 Resp: 197674
Ion Ratio Lower Upper
79 100
108 79.5 65.1 97.7
77 63.0 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.249 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion: 45 Resp: 391815
Ion Ratio Lower Upper
45 100
77 14.8 0.0 32.9
79 11.2 0.0 29.6

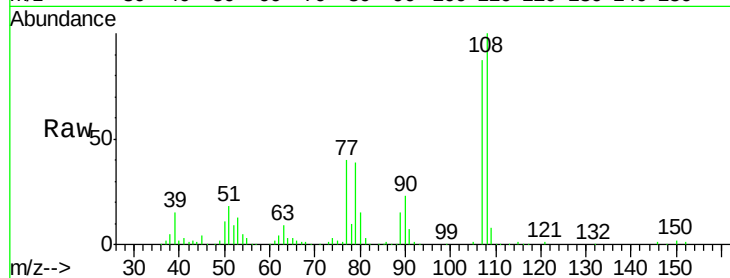




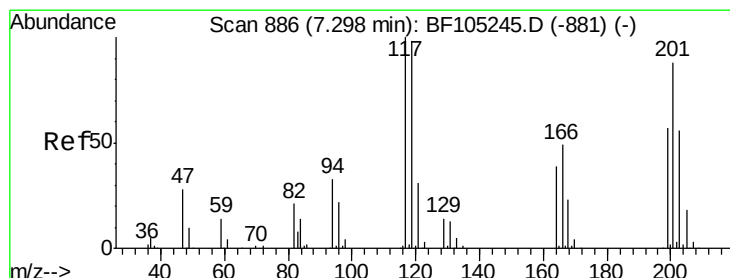
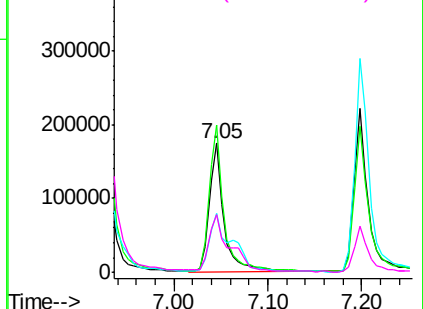
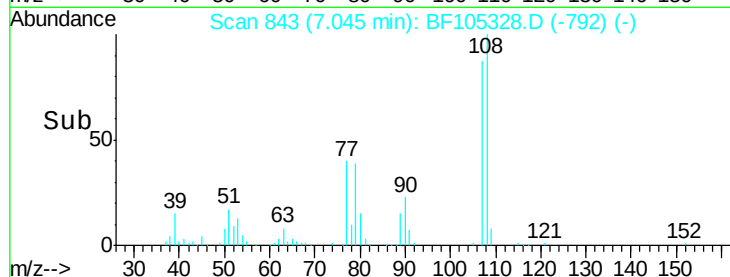
#17
2-Methylphenol
Concen: 20.579 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion:	107	Resp:	194381
Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.7	137.5
77	45.7	33.8	50.8
79	44.4	33.8	50.8

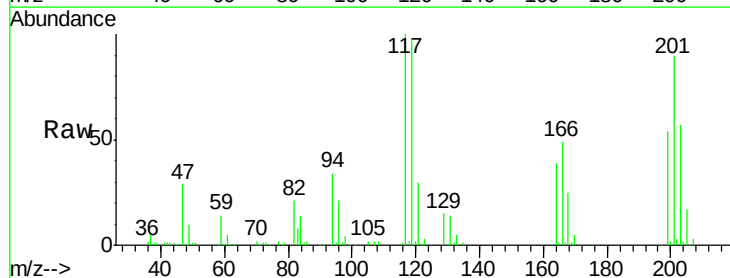


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

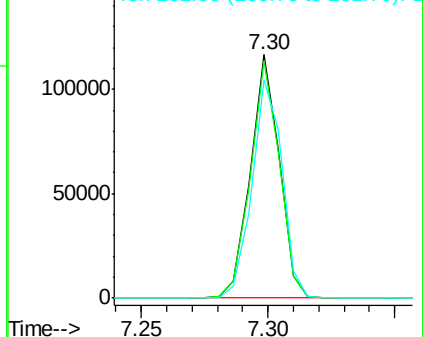
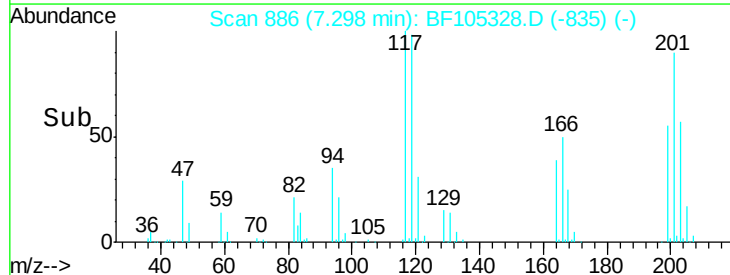


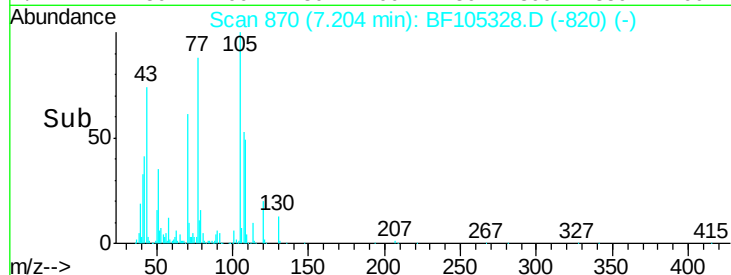
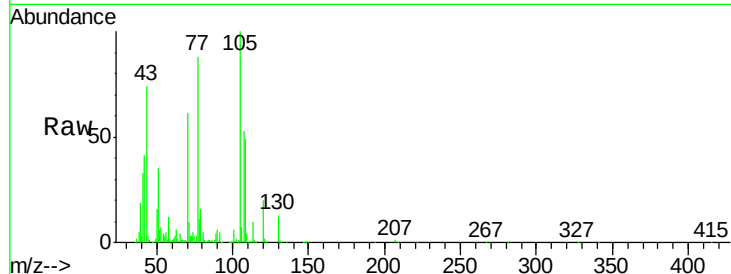
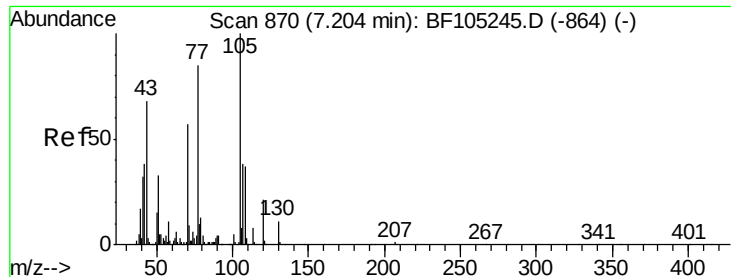
#18
Hexachloroethane
Concen: 20.370 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:	117	Resp:	92571
Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.8	113.8
201	89.6	75.7	113.5



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

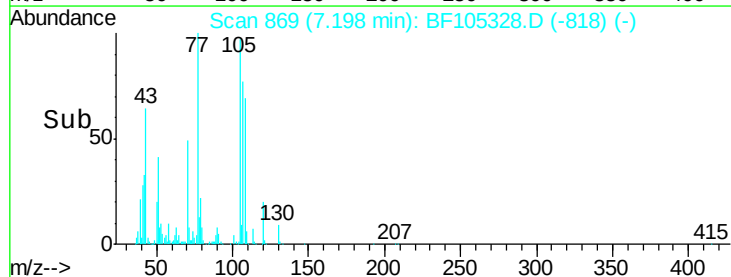
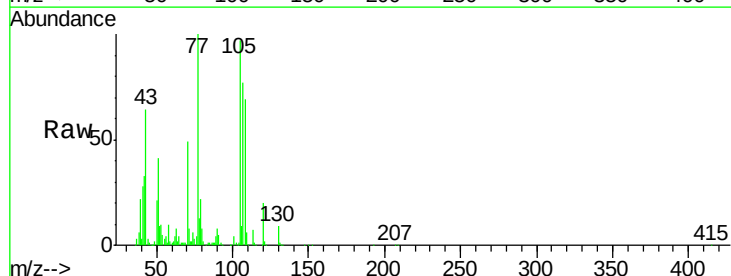
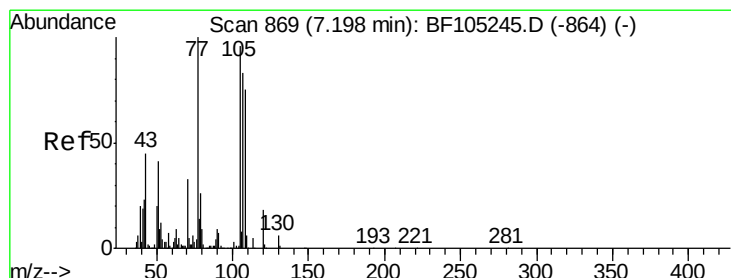
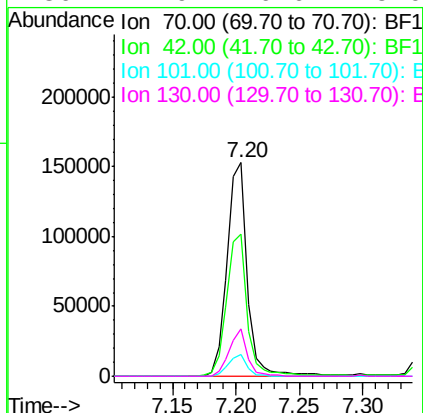




#19
n-Nitroso-di-n-propylamine
Concen: 21.294 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

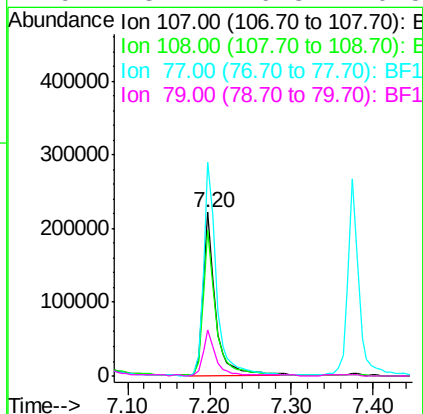
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

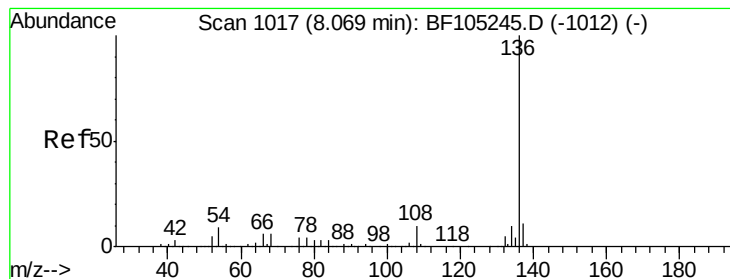
Tot Ion:	70	Resp:	168480
Ion	Ratio	Lower	Upper
70	100		
42	66.5	47.5	71.3
101	10.0	7.4	11.2
130	21.9	16.6	25.0



#20
3+4-Methylphenols
Concen: 21.474 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:	107	Resp:	241489
Ion	Ratio	Lower	Upper
107	100		
108	89.5	68.2	108.2
77	130.5	26.7	66.7#
79	28.4	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

Tot Ion:136 Resp: 672415

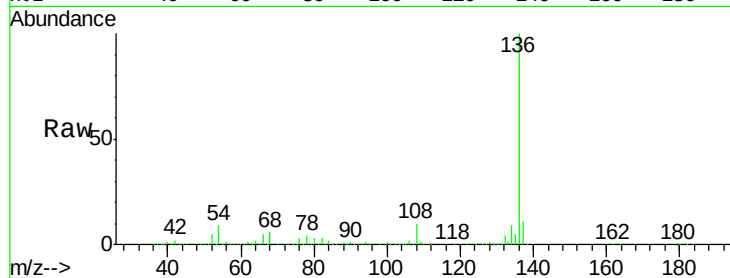
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.8 6.6 9.8

68 5.9 5.0 7.4

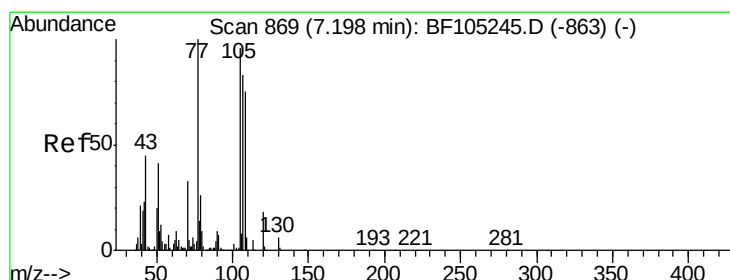
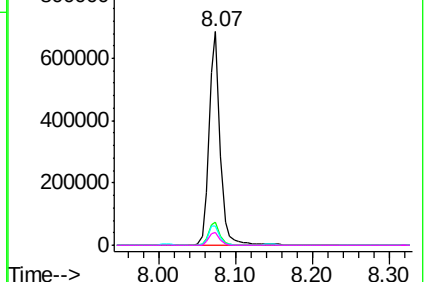
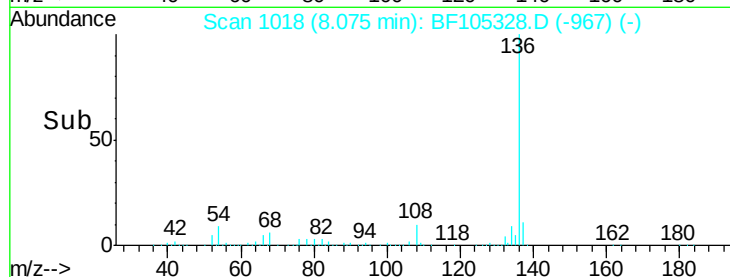


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 21.203 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Tgt Ion:105 Resp: 327545

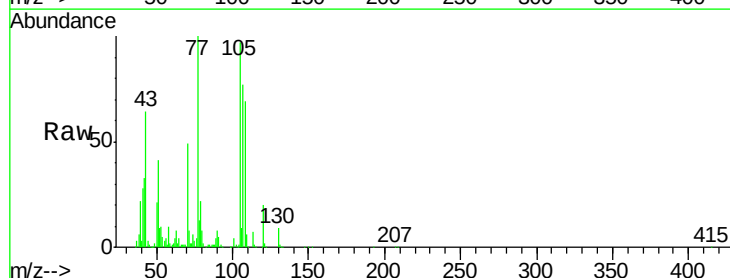
Ion Ratio Lower Upper

105 100

71 8.6 4.4 6.6#

51 41.9 22.3 33.5#

120 20.4 16.9 25.3

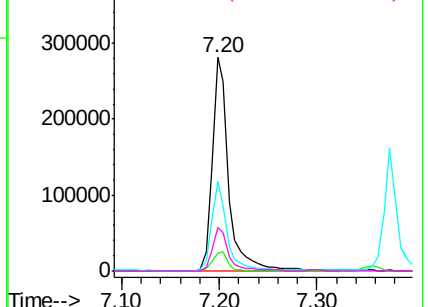
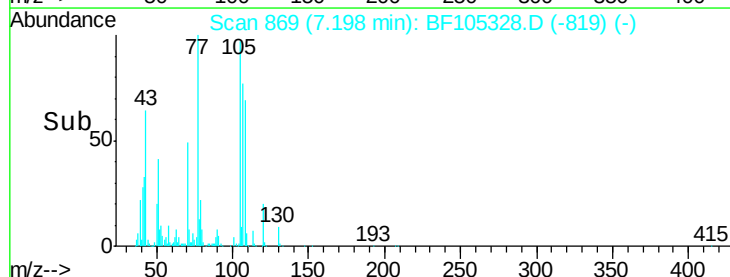


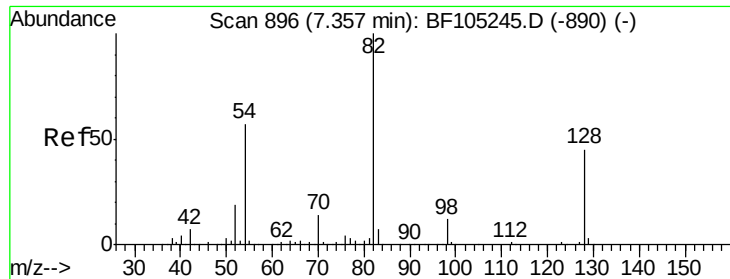
Abundance Ion 105.00 (104.70 to 105.70): E

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

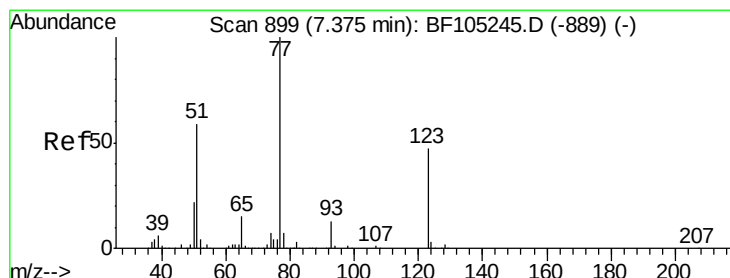
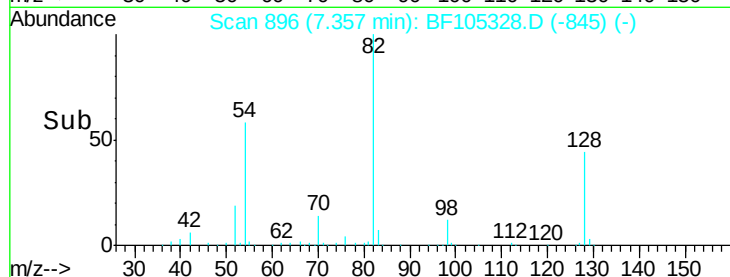
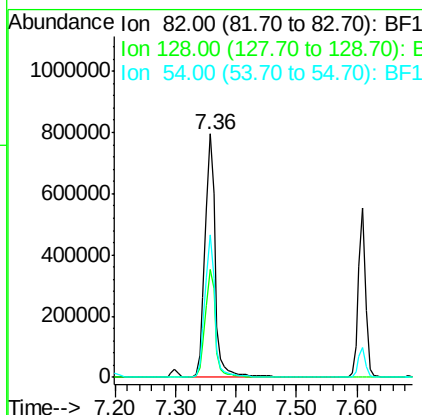
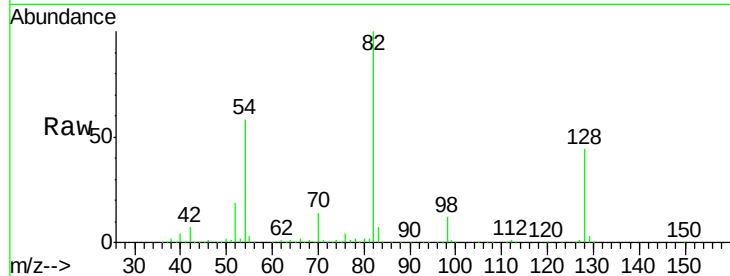




#23
 Nitrobenzene-d5
 Concen: 82.543 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

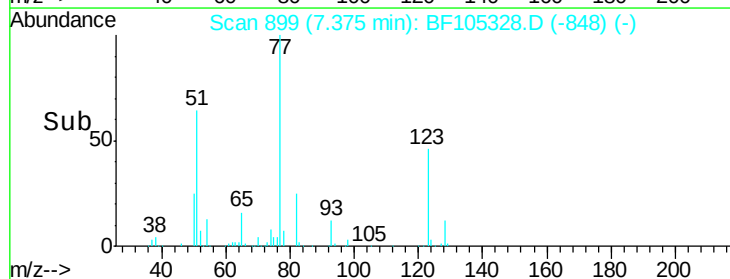
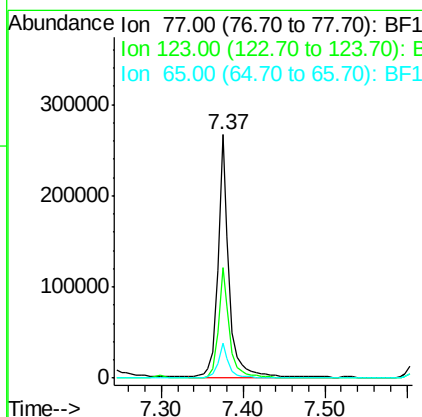
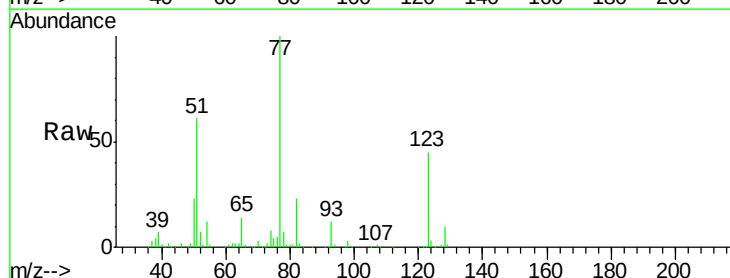
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

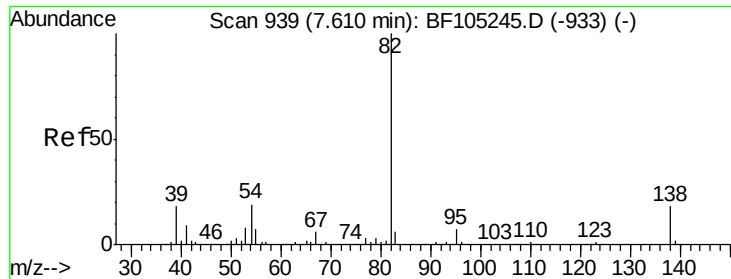
Tot Ion: 82 Resp: 953634
 Ion Ratio Lower Upper
 82 100
 128 44.1 36.1 54.1
 54 58.4 41.4 62.2



#24
 Nitrobenzene
 Concen: 20.625 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion: 77 Resp: 250892
 Ion Ratio Lower Upper
 77 100
 123 45.3 37.9 56.9
 65 14.3 11.0 16.4





#25

Isophorone

Concen: 20.777 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

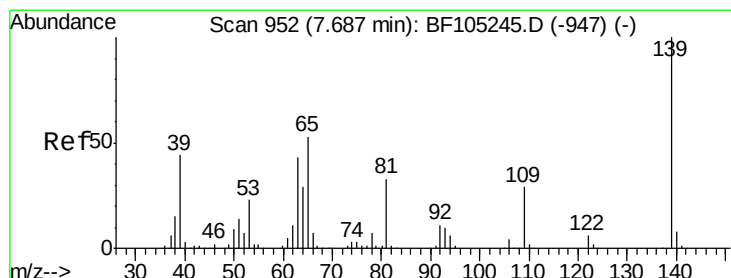
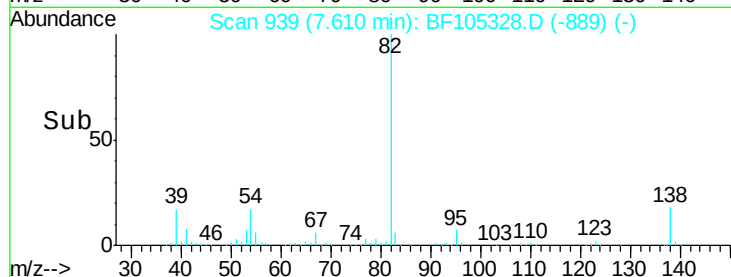
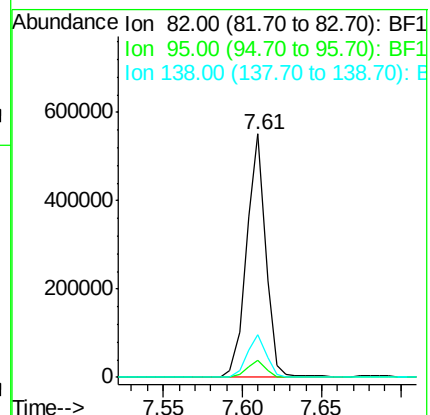
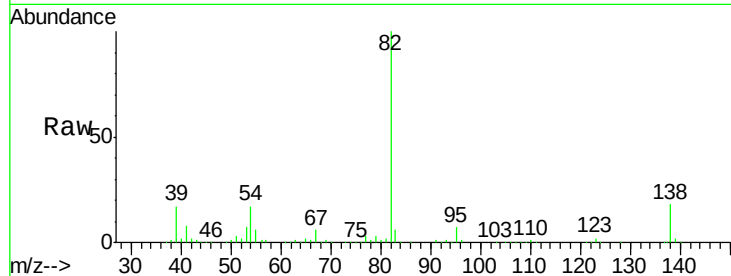
Tot Ion: 82 Resp: 454326

Ion Ratio Lower Upper

82 100

95 6.9 5.2 7.8

138 17.6 14.9 22.3



#26

2-Nitrophenol

Concen: 20.451 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

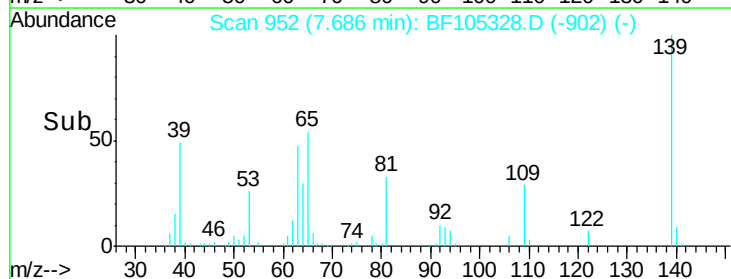
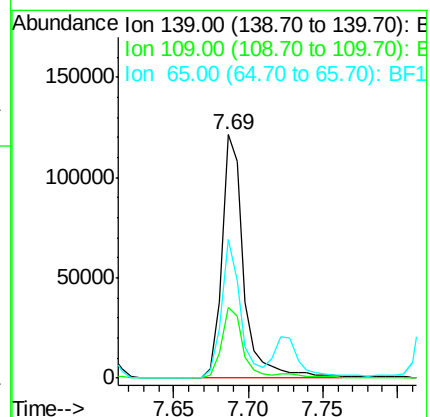
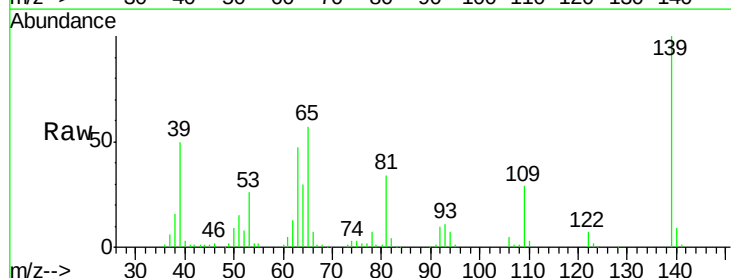
Tgt Ion: 139 Resp: 125519

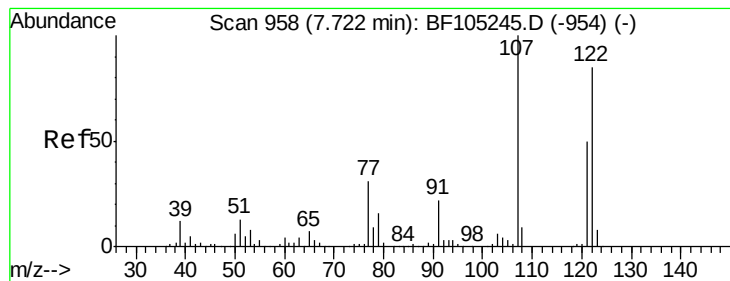
Ion Ratio Lower Upper

139 100

109 28.9 22.7 34.1

65 57.1 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 20.094 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.00 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

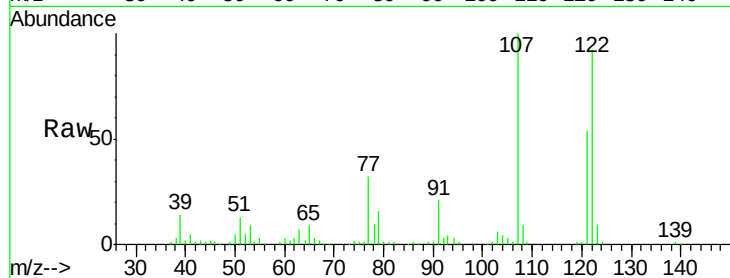
Tot Ion:122 Resp: 202585

Ion Ratio Lower Upper

122 100

107 108.1 91.2 136.8

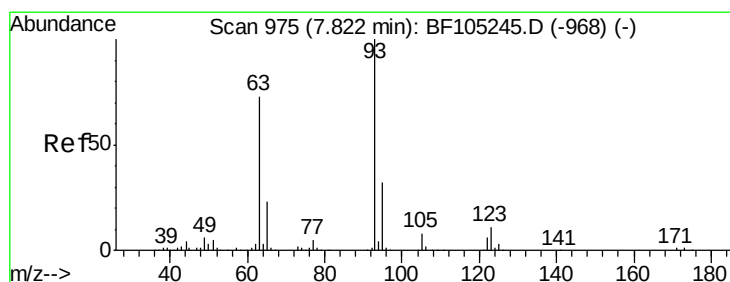
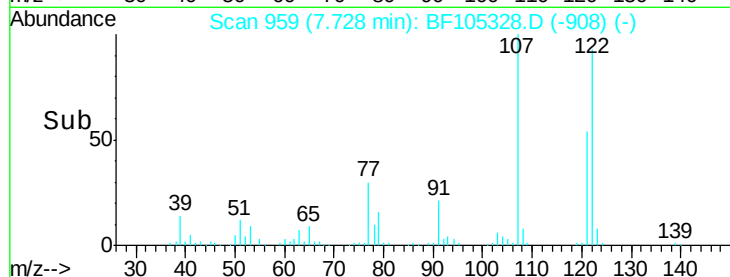
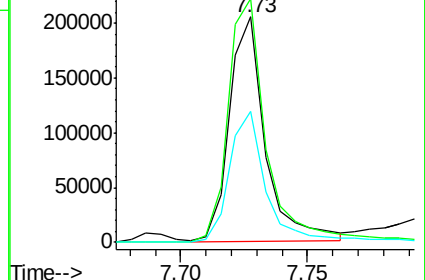
121 58.0 47.2 70.8



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: 21.103 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

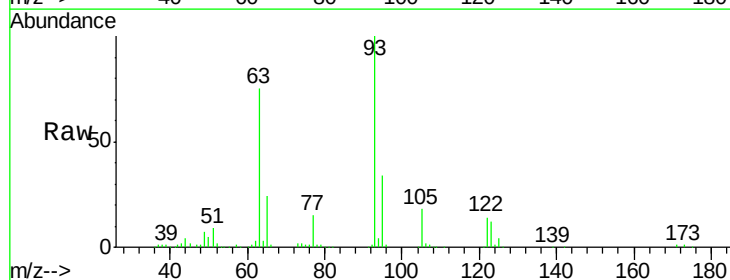
Tgt Ion: 93 Resp: 283040

Ion Ratio Lower Upper

93 100

95 33.9 26.3 39.5

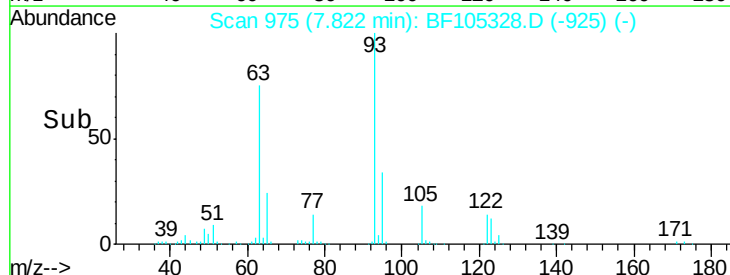
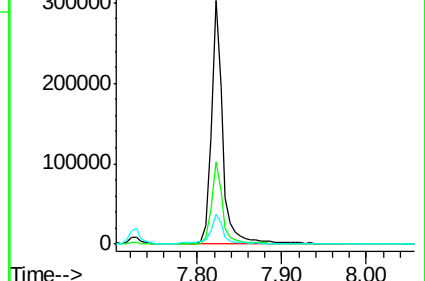
123 12.0 9.8 14.6

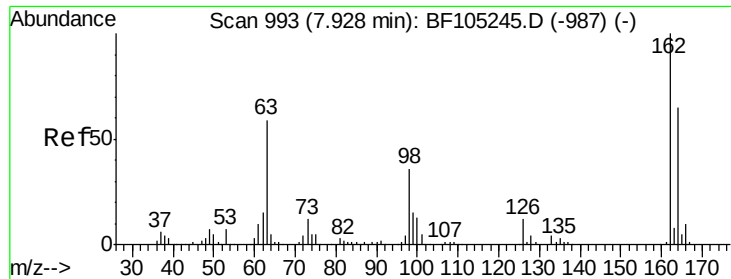


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

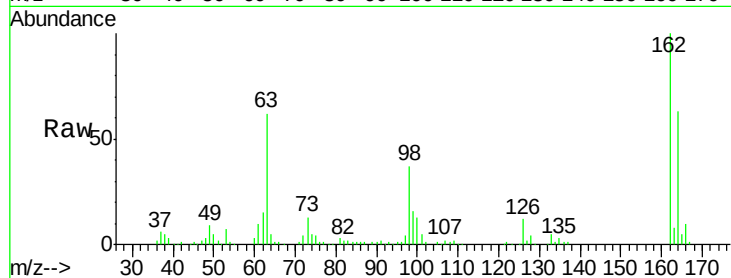




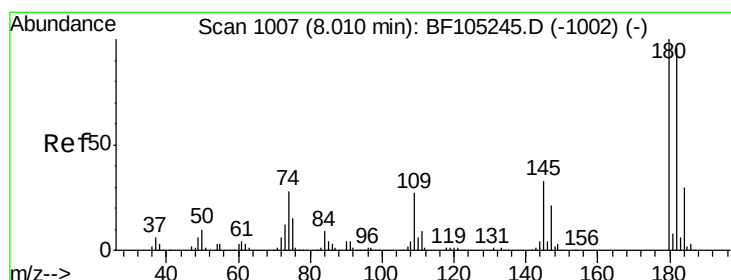
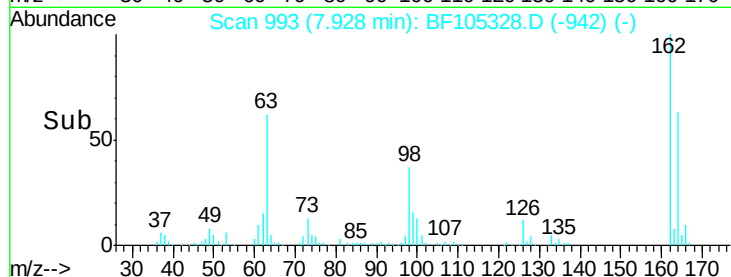
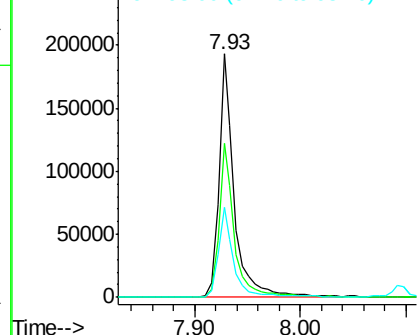
#29
 2,4-Dichlorophenol
 Concen: 20.845 ng
 RT: 7.93 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.3	42.7	82.7
98	36.8	18.1	58.1

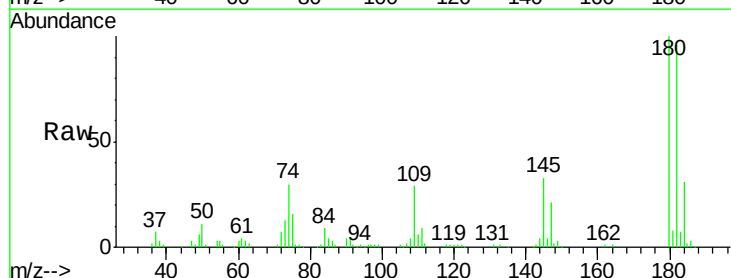


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

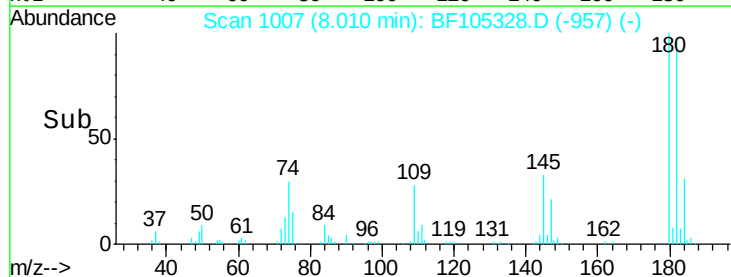
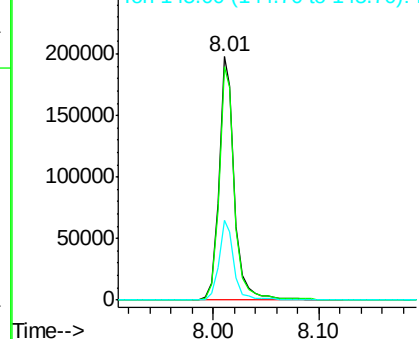


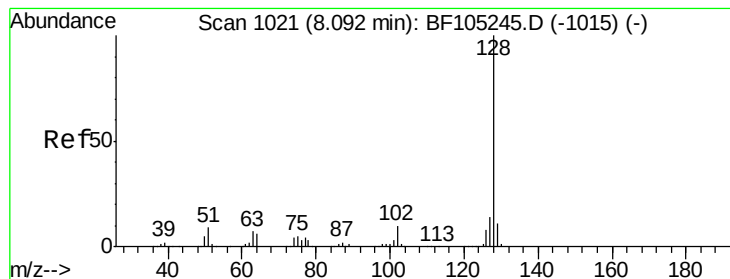
#30
 1,2,4-Trichlorobenzene
 Concen: 20.500 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
145	32.7	26.5	39.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 20.848 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

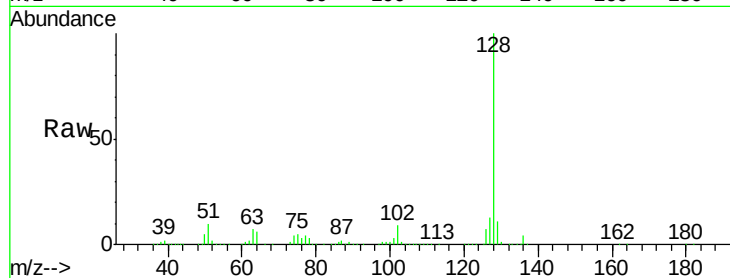
Tot Ion:128 Resp: 682592

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

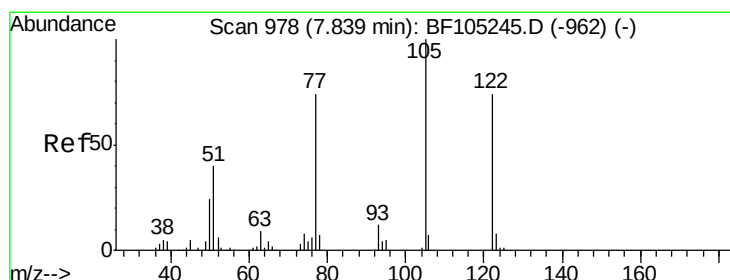
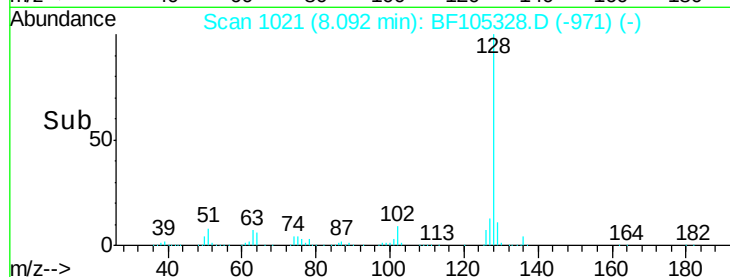
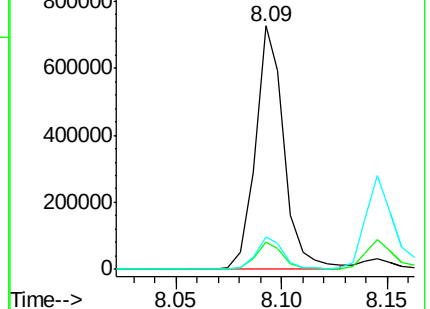
127 13.5 10.9 16.3



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: 16.697 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.02 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

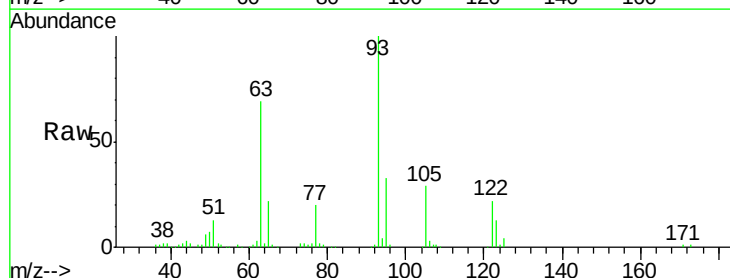
Tgt Ion:122 Resp: 125052

Ion Ratio Lower Upper

122 100

105 128.6 101.1 141.1

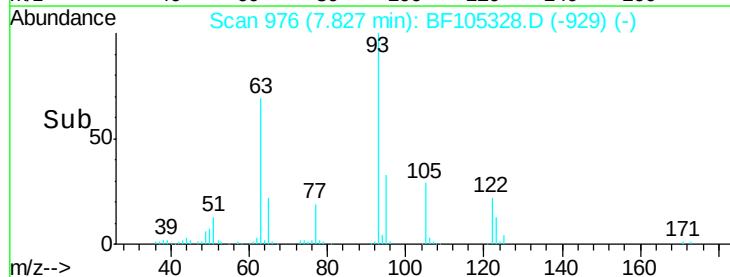
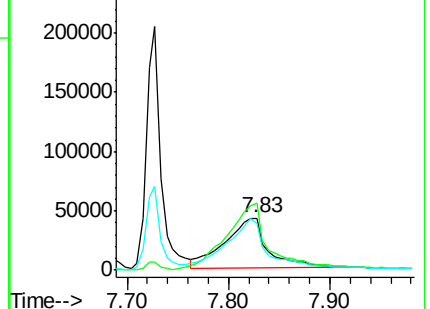
77 89.4 70.7 110.7

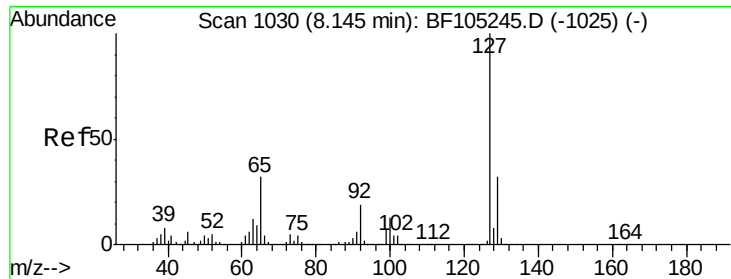


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

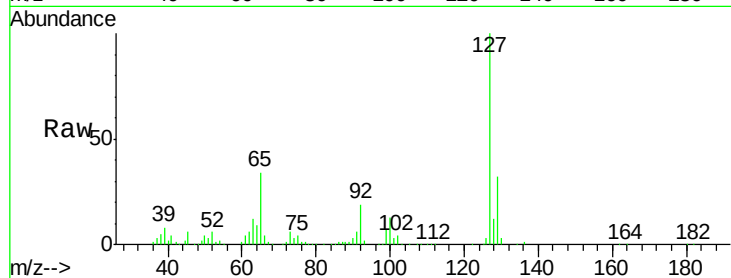




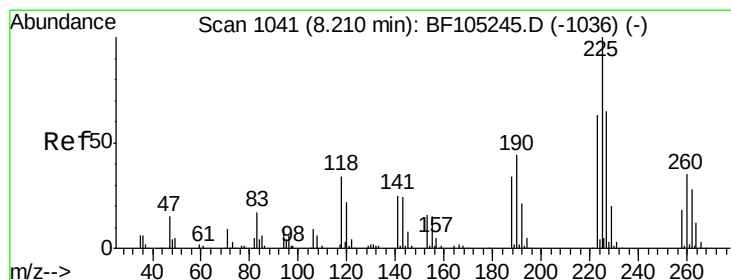
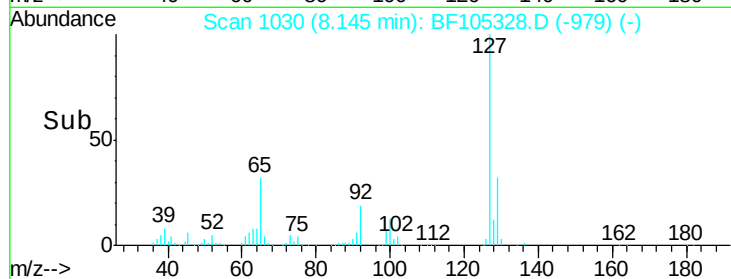
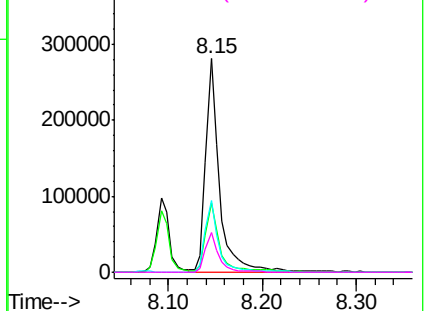
#33
4-Chloroaniline
Concen: 21.167 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion:	127	Resp:	287735
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.9	38.9
65	33.7	25.0	37.4
92	18.9	15.2	22.8

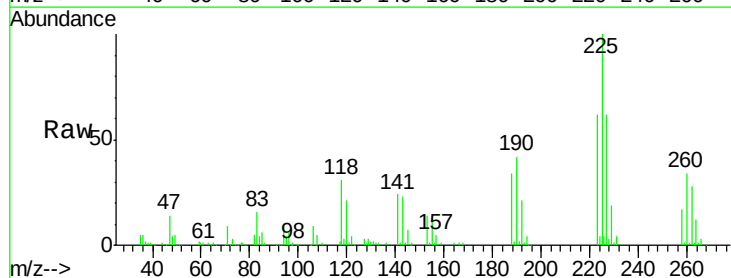


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

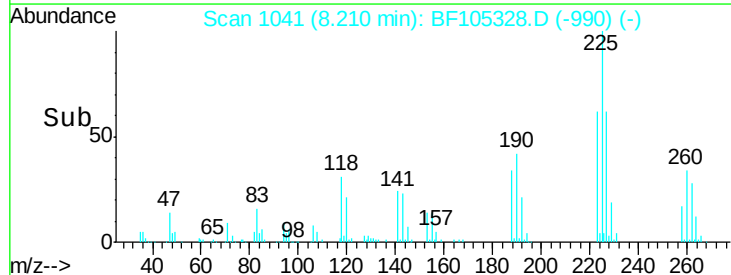
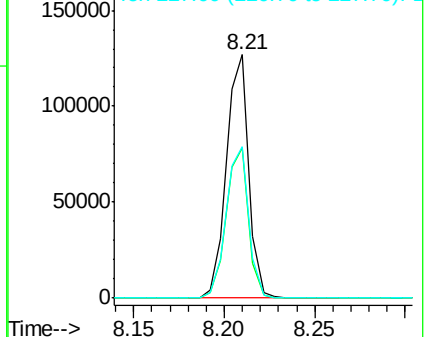


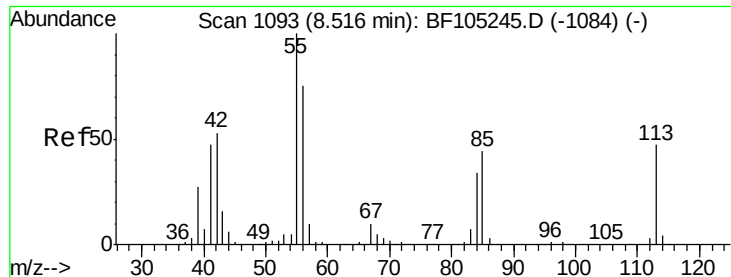
#34
Hexachlorobutadiene
Concen: 20.215 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:	225	Resp:	108822
Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.6	76.0
227	62.2	51.9	77.9



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

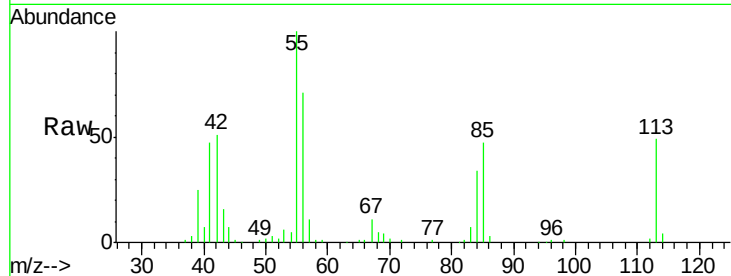




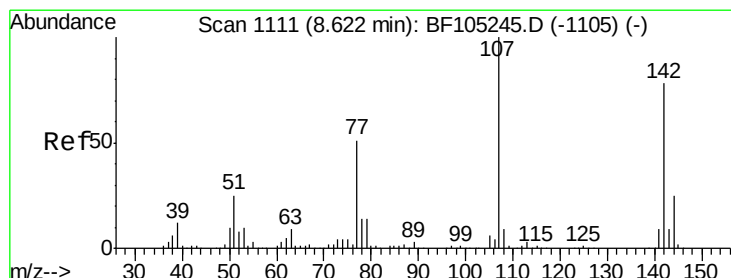
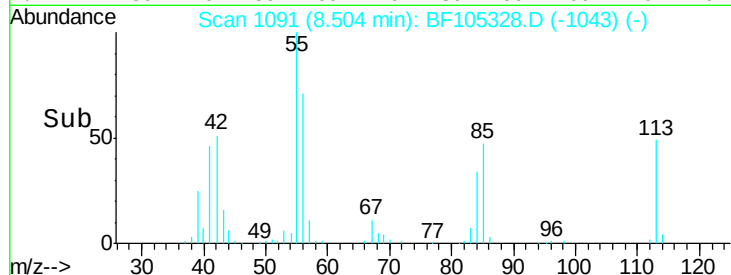
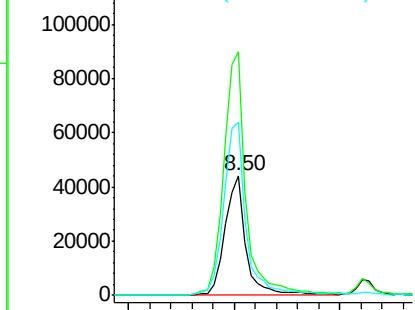
#35
Caprolactam
Concen: 20.921 ng
RT: 8.50 min Scan# 1091
Delta R.T. -0.02 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion:113 Resp: 61083
Ion Ratio Lower Upper
113 100
55 202.8 163.3 203.3
56 144.1 115.7 155.7

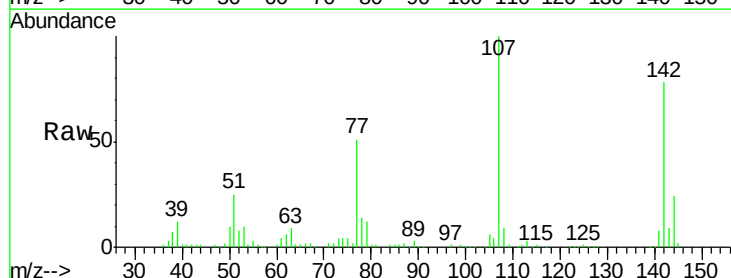


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

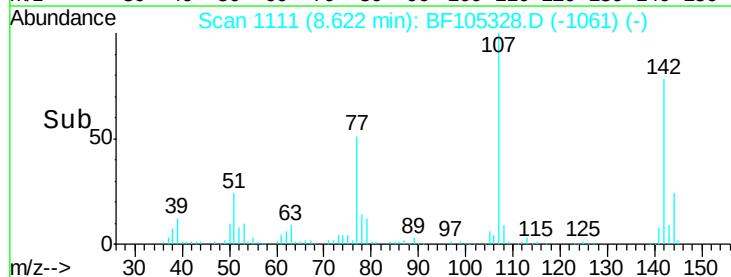
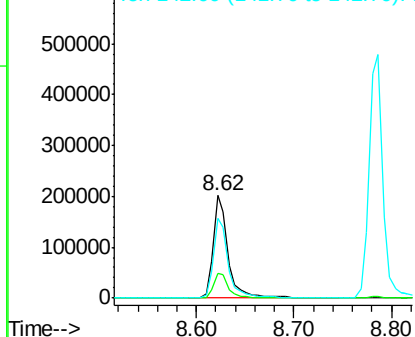


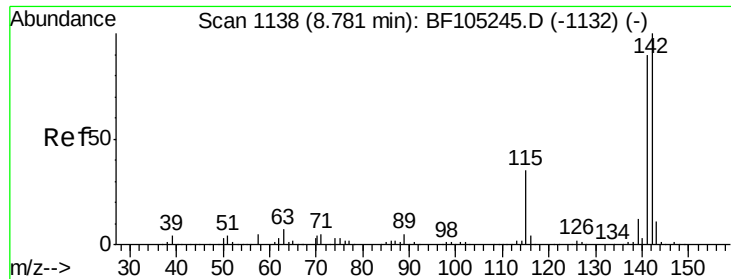
#36
4-Chloro-3-methylphenol
Concen: 20.953 ng
RT: 8.62 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:107 Resp: 213088
Ion Ratio Lower Upper
107 100
144 23.9 20.5 30.7
142 78.0 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

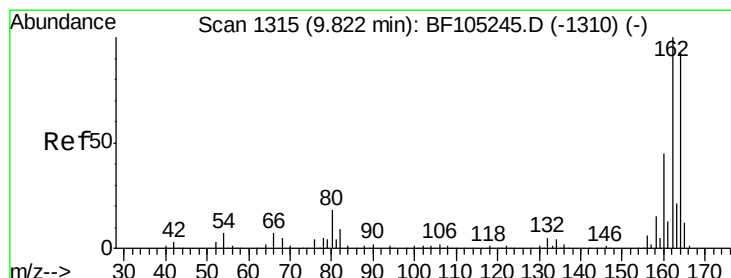
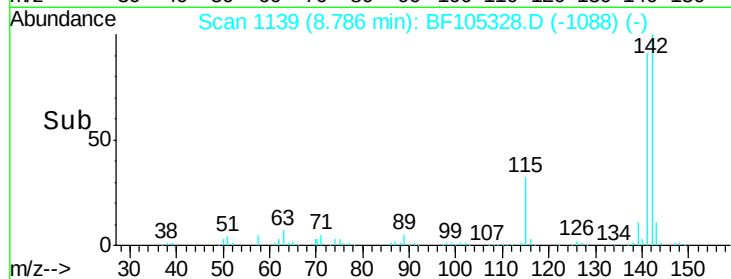
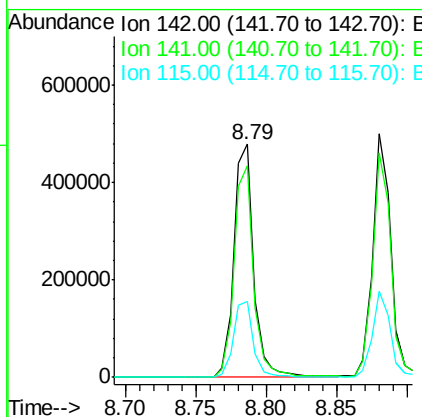
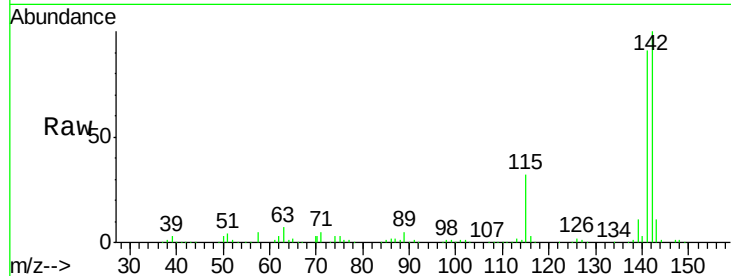




#37
 2-Methylnaphthalene
 Concen: 21.261 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

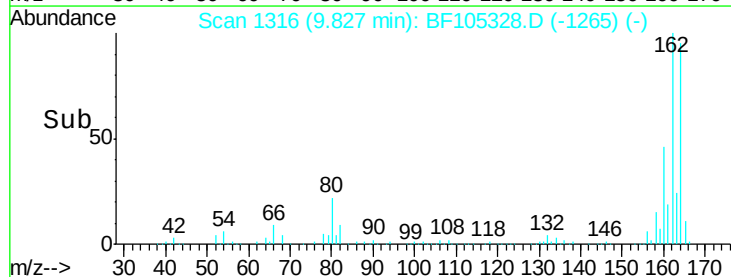
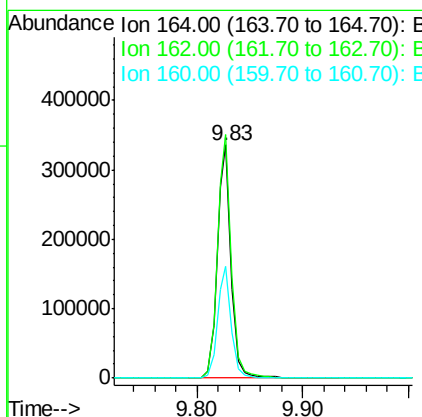
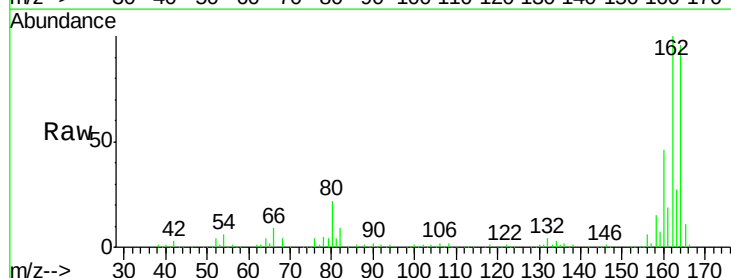
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

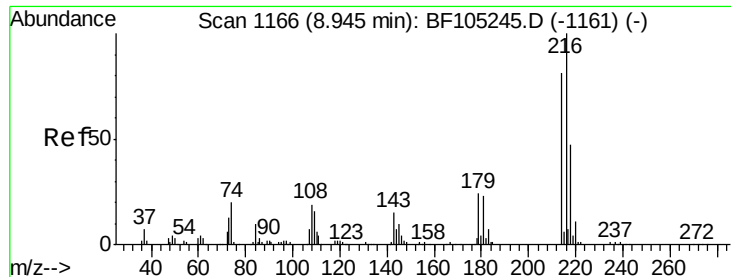
Tot Ion:142 Resp: 468174
 Ion Ratio Lower Upper
 142 100
 141 90.8 70.8 106.2
 115 32.4 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion:164 Resp: 309542
 Ion Ratio Lower Upper
 164 100
 162 104.4 86.1 129.1
 160 48.0 38.3 57.5

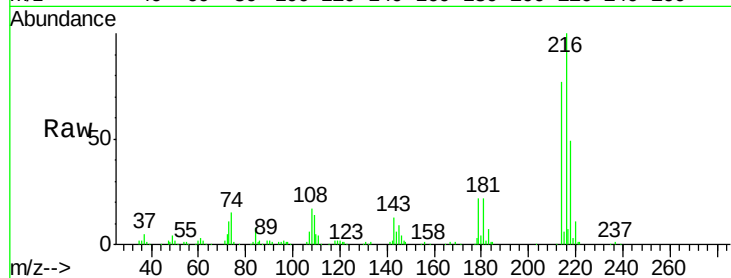




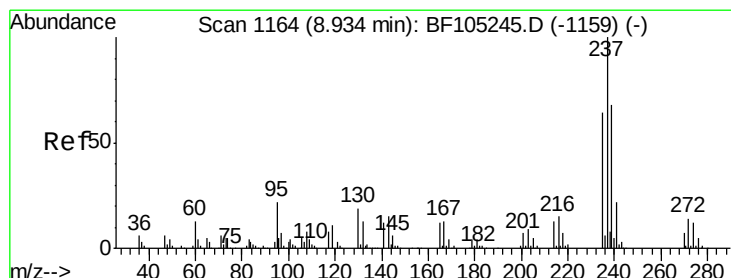
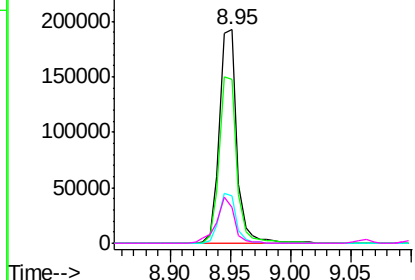
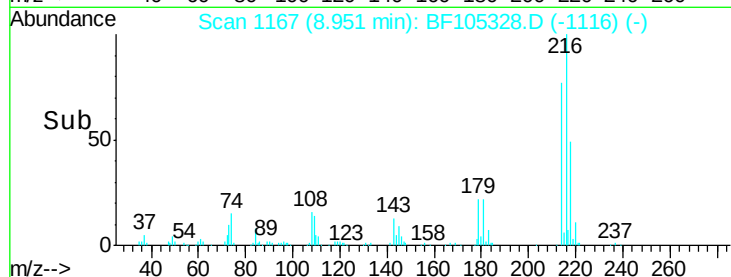
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 20.493 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion:216	Resp:	191378
Ion Ratio	Lower	Upper
216	100	
214	78.3	63.0 94.4
179	23.0	18.1 27.1
108	22.0	17.2 25.8

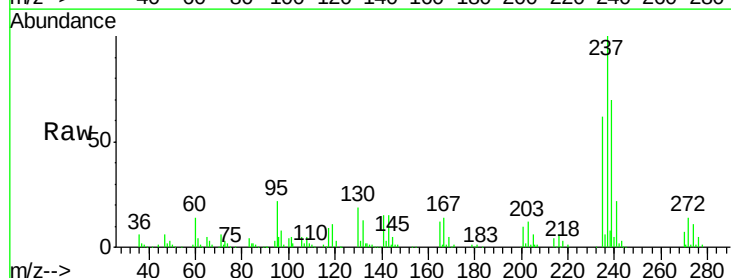


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

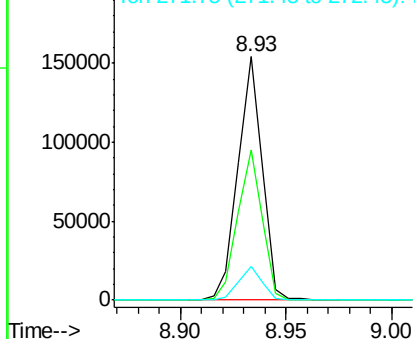
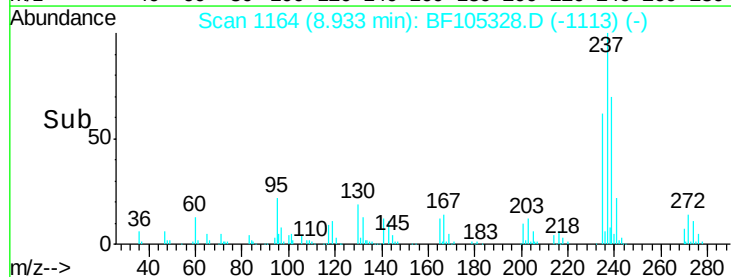


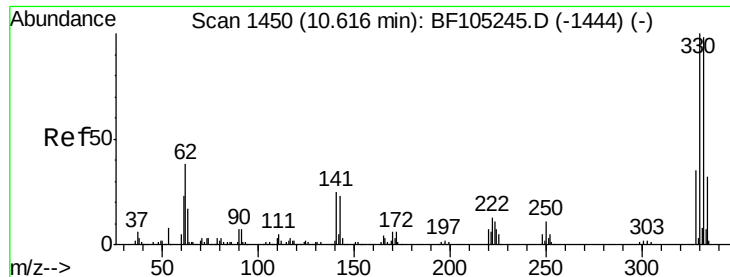
#40
 Hexachlorocyclopentadiene
 Concen: 19.333 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion:237	Resp:	122186
Ion Ratio	Lower	Upper
237	100	
235	61.6	44.8 84.8
272	13.7	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

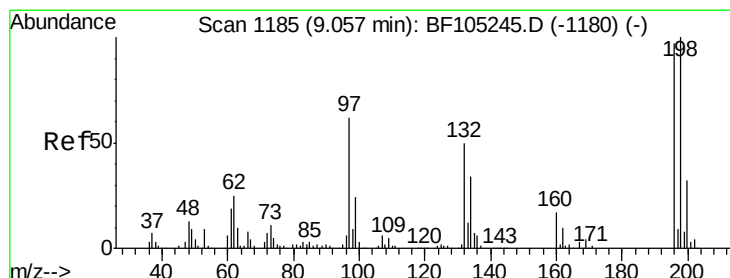
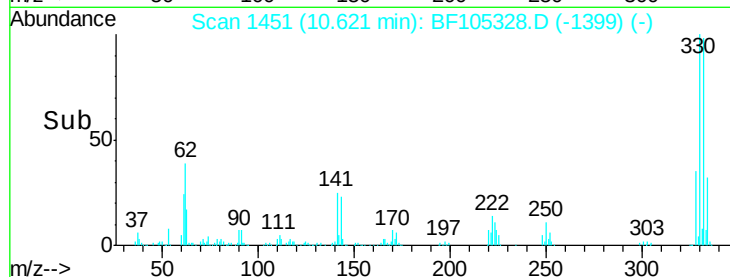
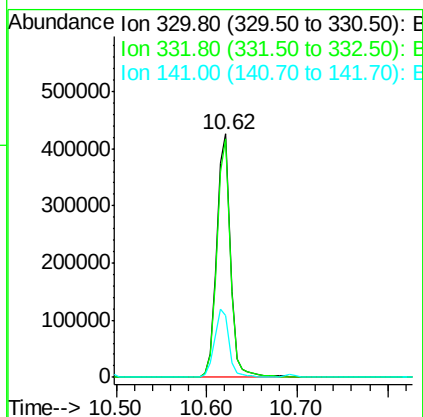
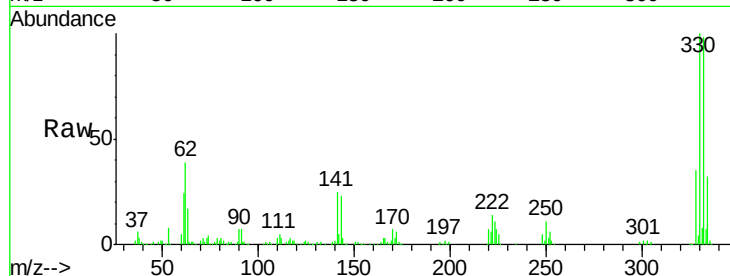




#41
 2,4,6-Tribromophenol
 Concen: 111.726 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.01 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

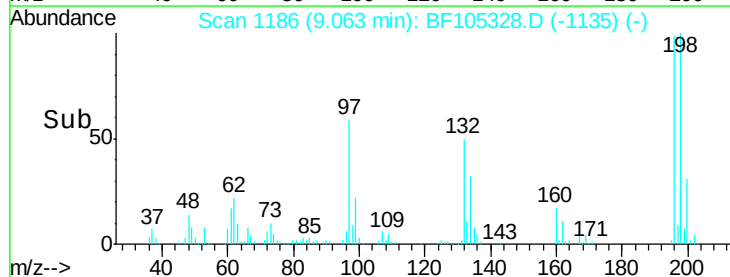
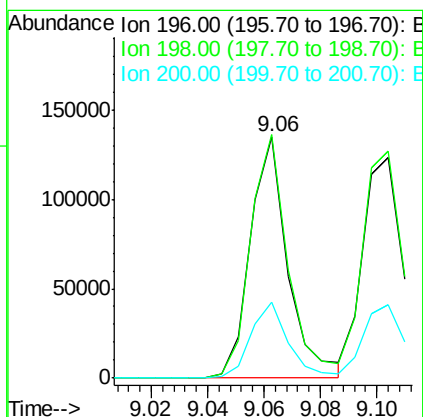
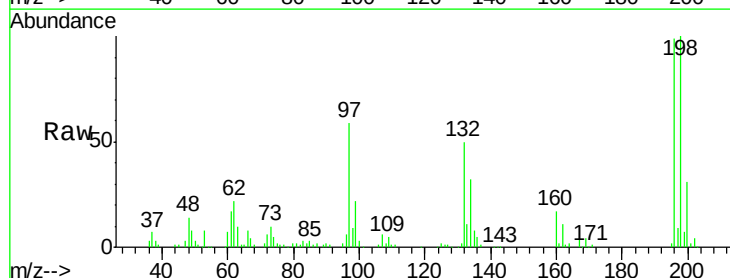
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

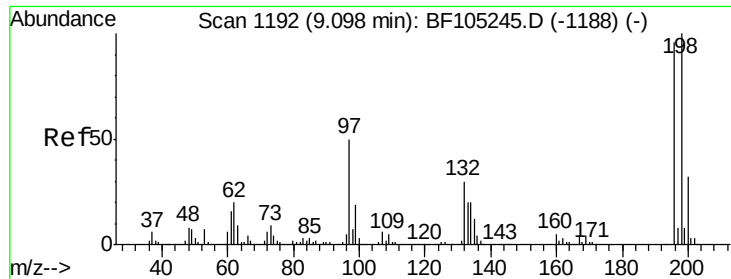
Tot Ion:330 Resp: 446813
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 29.7 29.9 44.9#



#42
 2,4,6-Trichlorophenol
 Concen: 19.683 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion:196 Resp: 124989
 Ion Ratio Lower Upper
 196 100
 198 100.8 75.7 113.5
 200 31.2 24.5 36.7

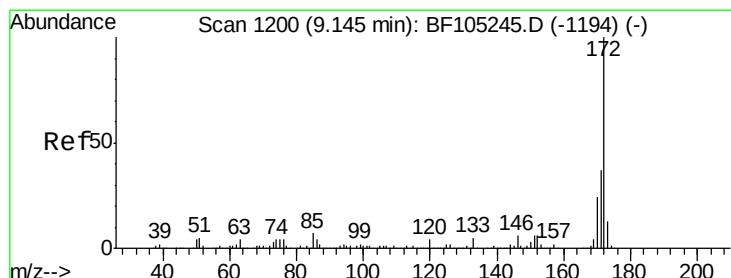
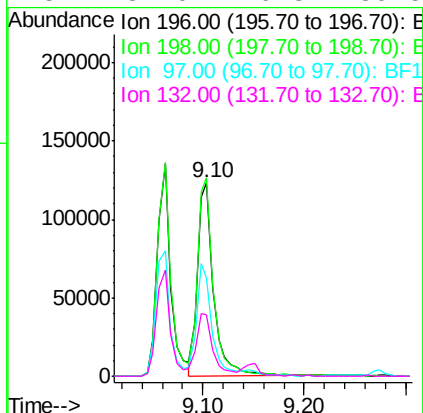
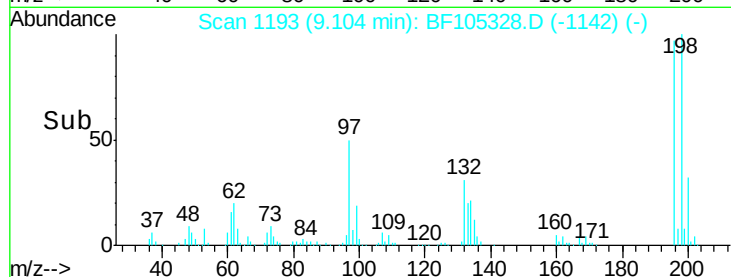
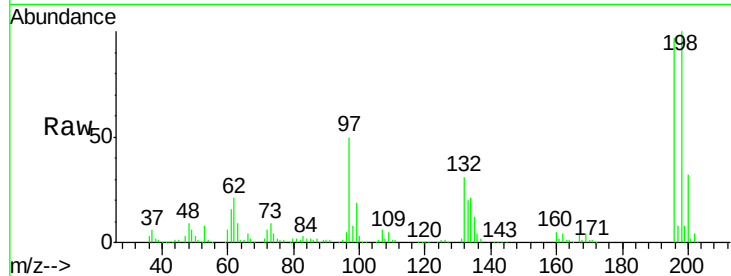




#43
2,4,5-Trichlorophenol
Concen: 20.014 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

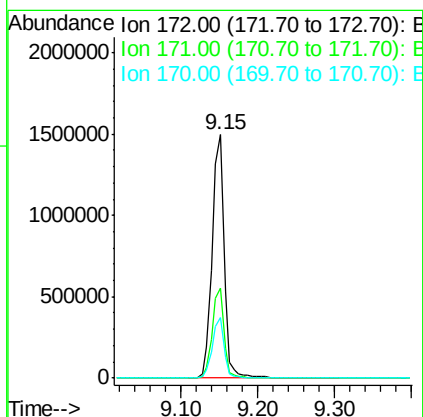
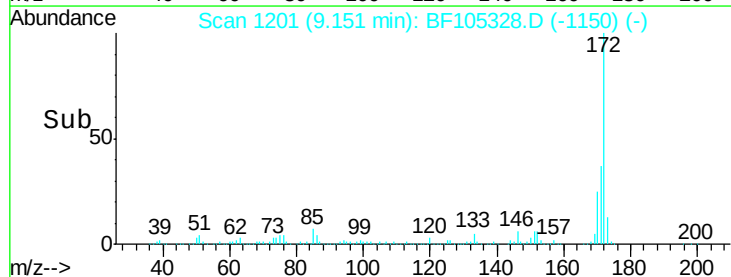
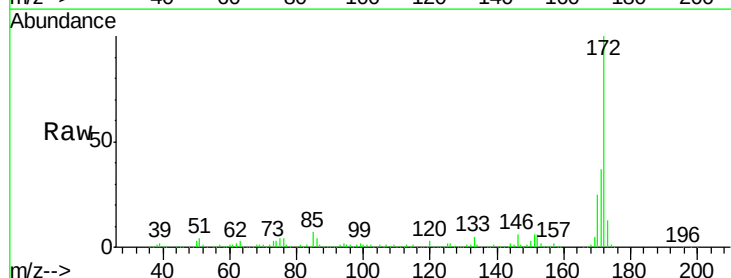
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

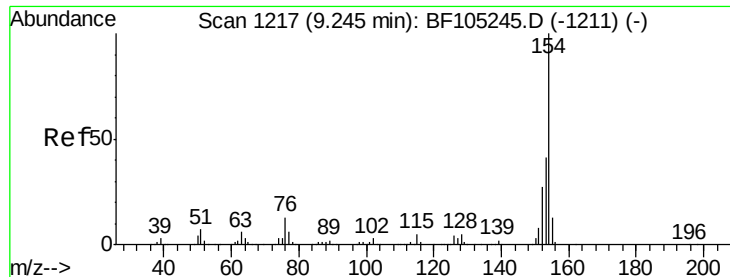
Tot Ion:196 Resp: 137336
Ion Ratio Lower Upper
196 100
198 102.7 74.6 112.0
97 50.9 42.9 64.3
132 32.0 26.3 39.5



#44
2-Fluorobiphenyl
Concen: 74.171 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:172 Resp: 1592937
Ion Ratio Lower Upper
172 100
171 37.1 29.7 44.5
170 24.9 19.6 29.4

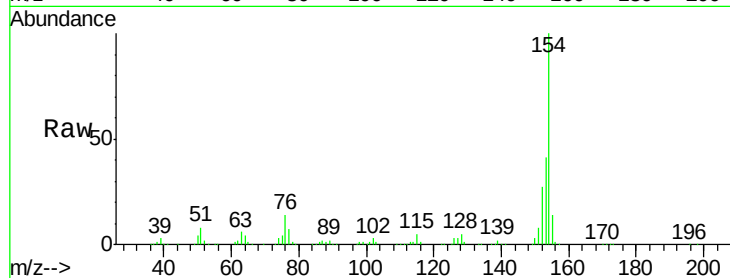




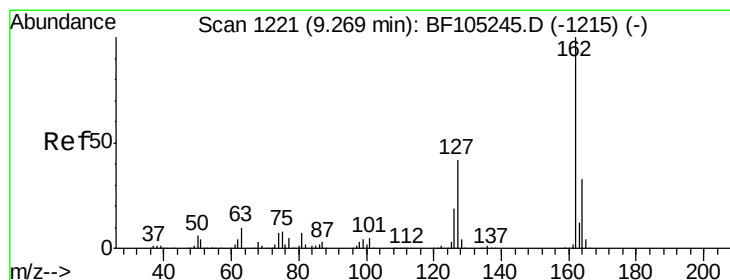
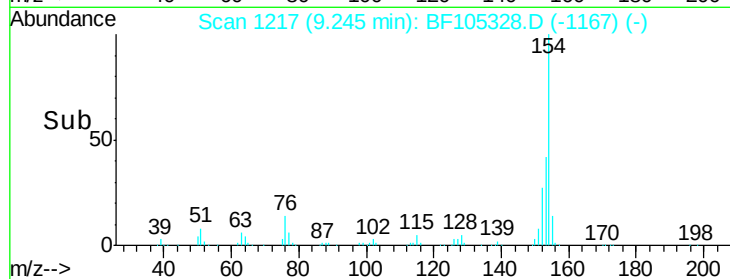
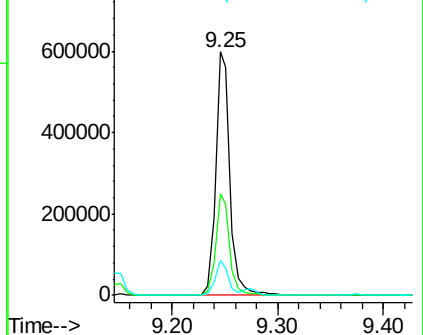
#45
 1,1'-Biphenyl
 Concen: 20.971 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.3	61.3
76	14.4	0.0	34.0

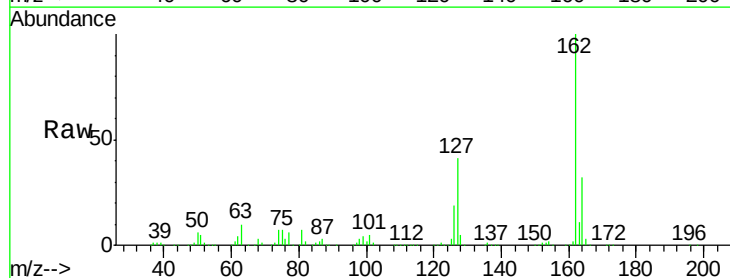


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

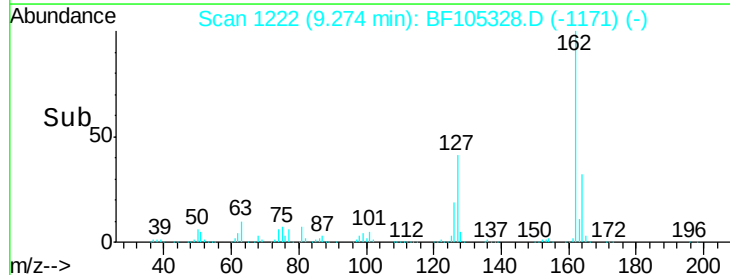
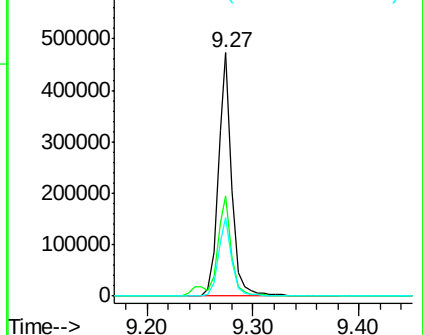


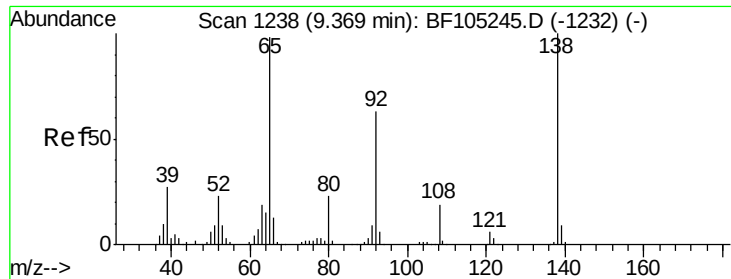
#46
 2-Chloronaphthalene
 Concen: 20.649 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.9	50.9
164	32.3	26.5	39.7



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

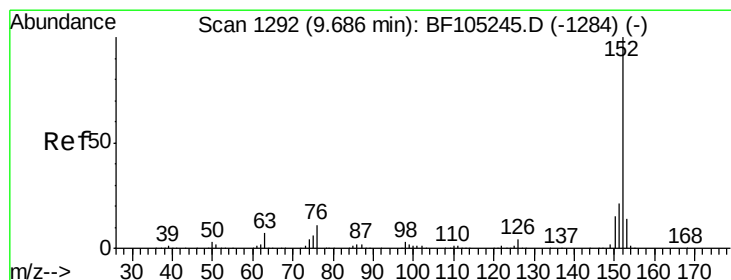
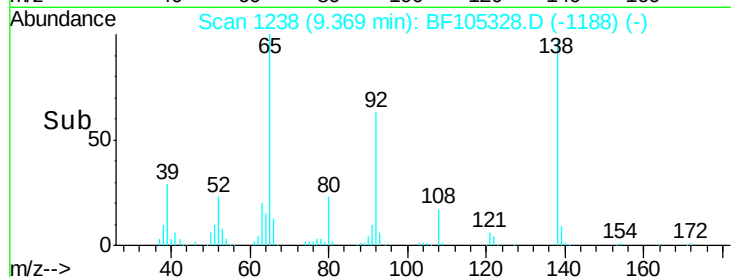
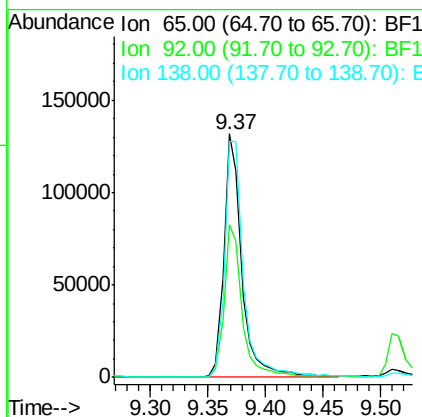
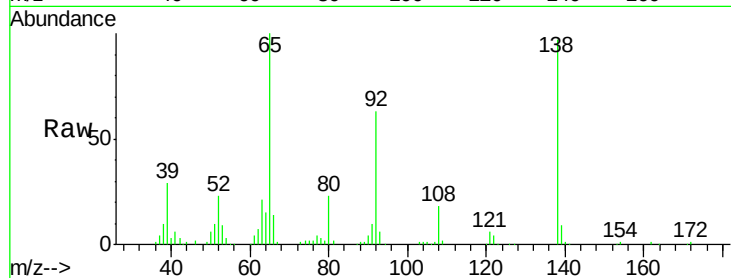




#47
2-Nitroaniline
Concen: 20.699 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

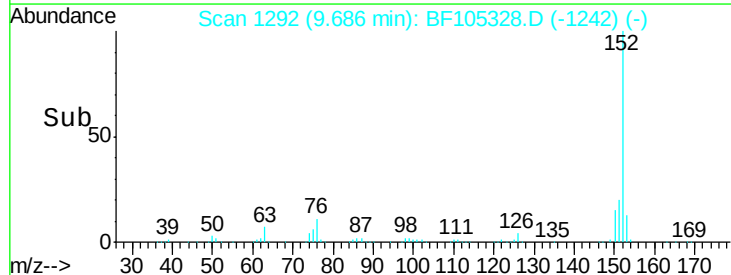
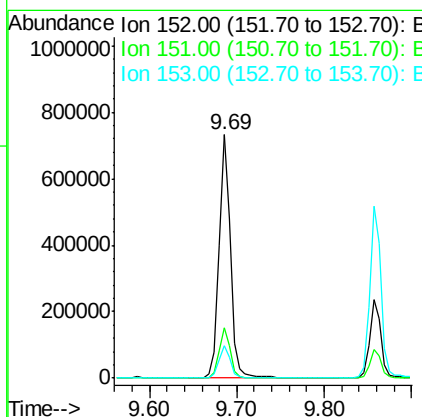
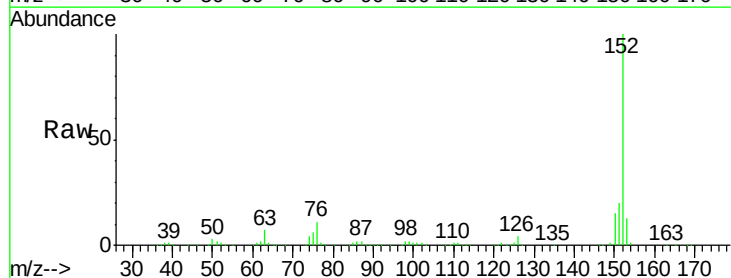
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

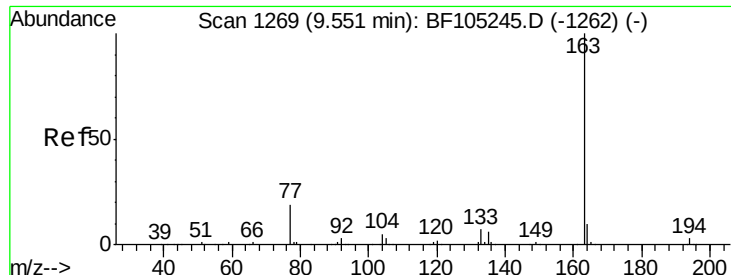
Tot Ion: 65 Resp: 143497
Ion Ratio Lower Upper
65 100
92 62.8 55.8 83.6
138 97.0 91.2 136.8



#48
Acenaphthylene
Concen: 21.122 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion: 152 Resp: 667996
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5
153 13.2 10.7 16.1

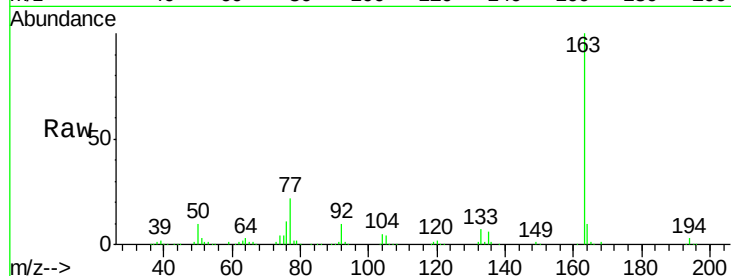




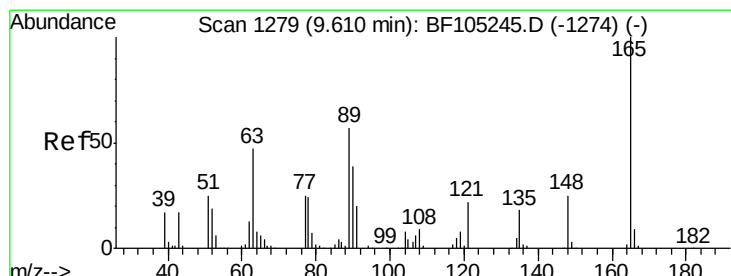
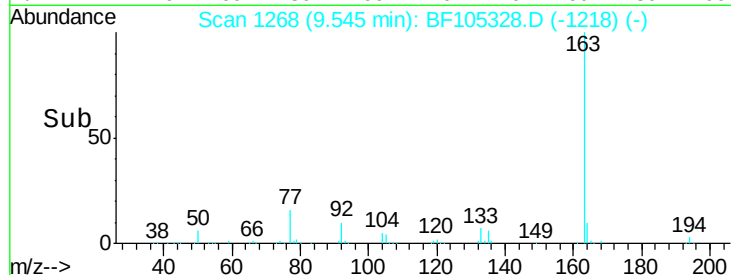
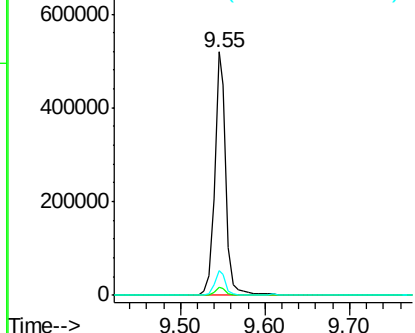
#49
Dimethylphthalate
Concen: 20.914 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion:163 Resp: 496992
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.4 8.2 12.2

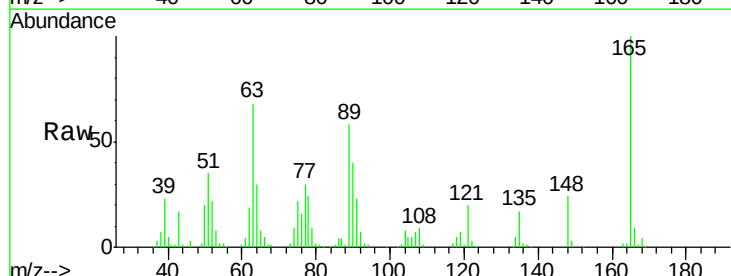


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

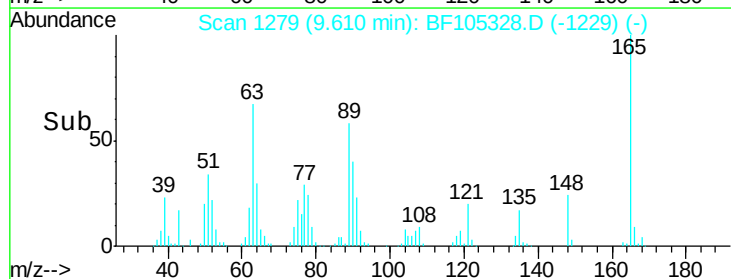
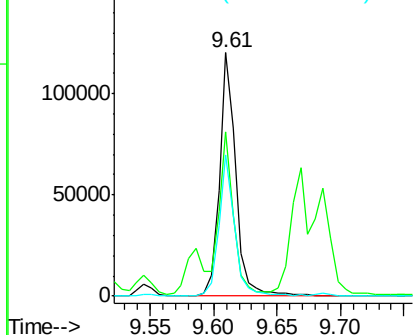


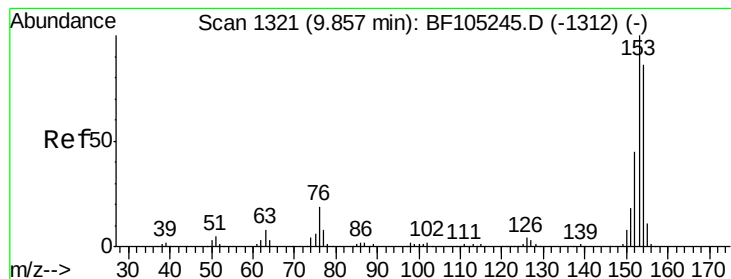
#50
2,6-Dinitrotoluene
Concen: 20.876 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:165 Resp: 109219
Ion Ratio Lower Upper
165 100
63 67.5 44.7 67.1#
89 58.1 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: 21.302 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

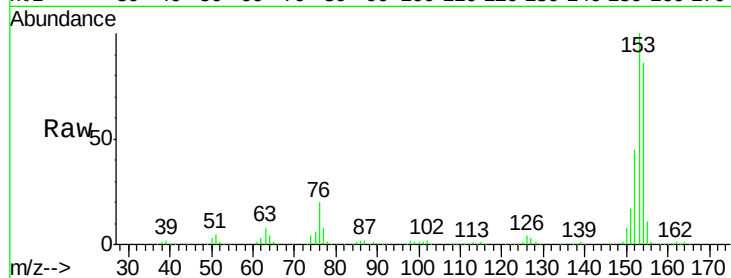
Tot Ion:154 Resp: 445989

Ion Ratio Lower Upper

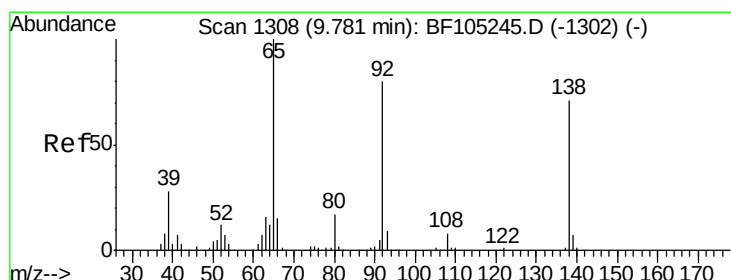
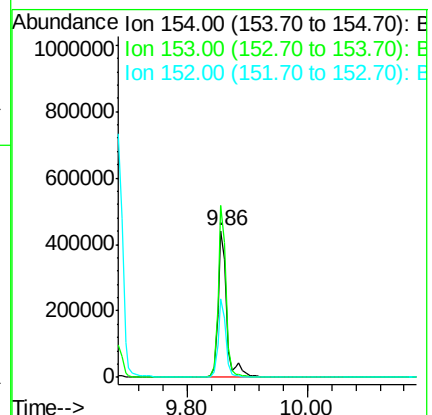
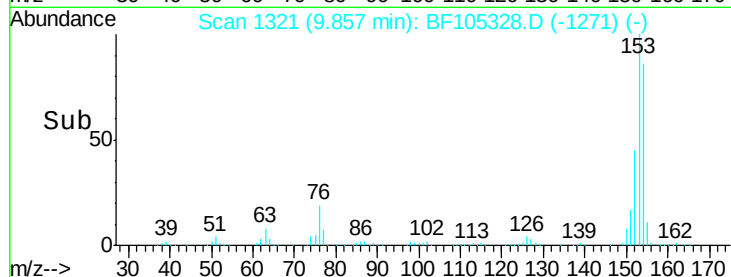
154 100

153 116.9 91.2 136.8

152 53.2 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: 20.742 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

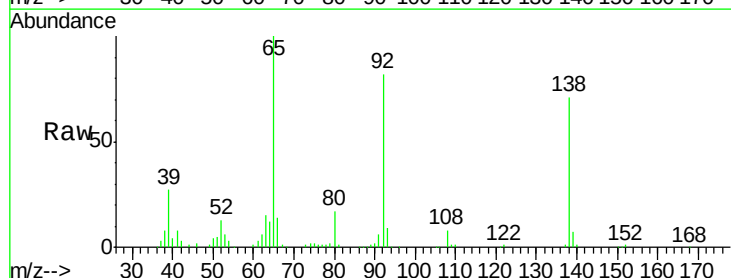
Tgt Ion:138 Resp: 125038

Ion Ratio Lower Upper

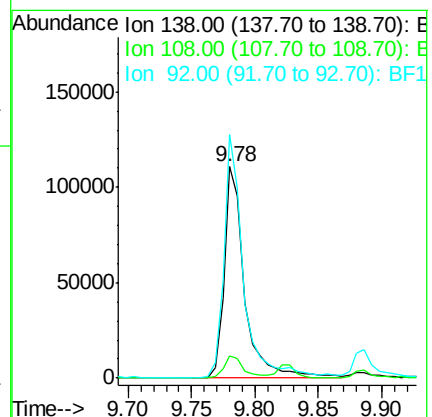
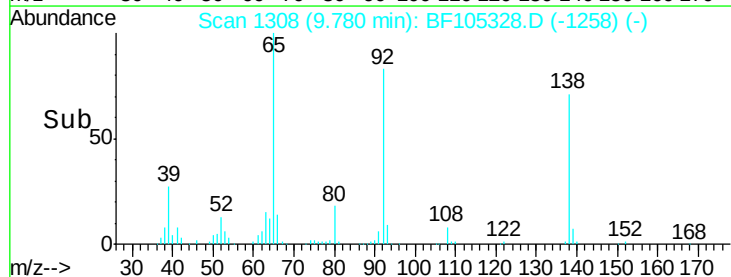
138 100

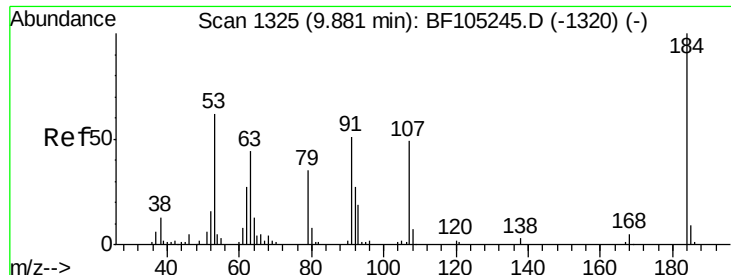
108 10.5 9.4 14.0

92 115.3 89.4 134.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

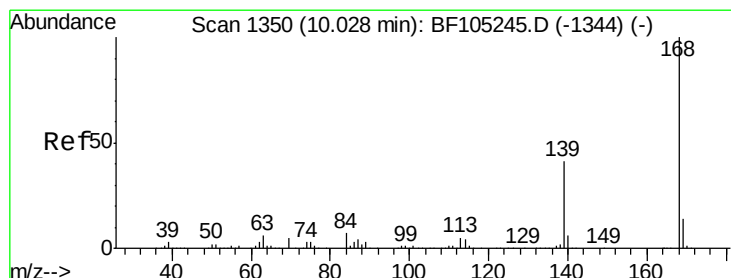
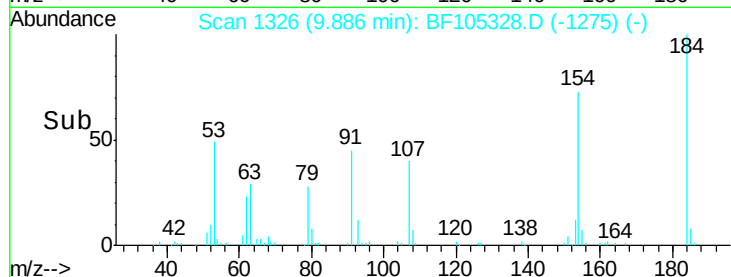
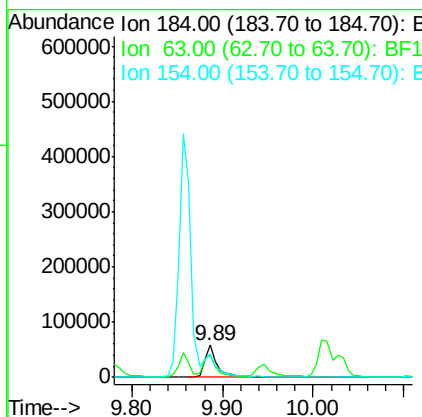
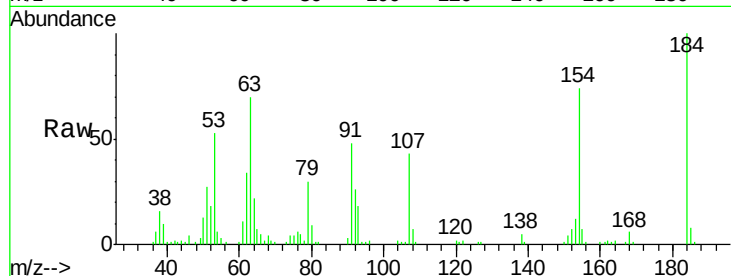




#53
 2,4-Dinitrophenol
 Concen: 19.232 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

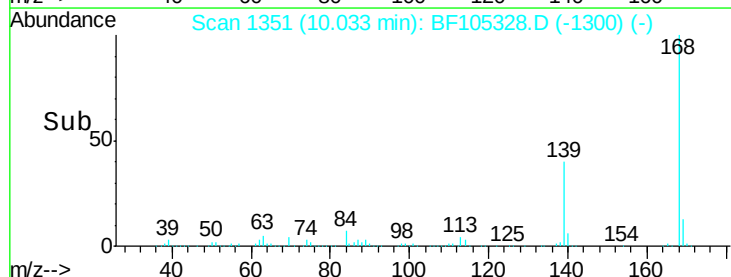
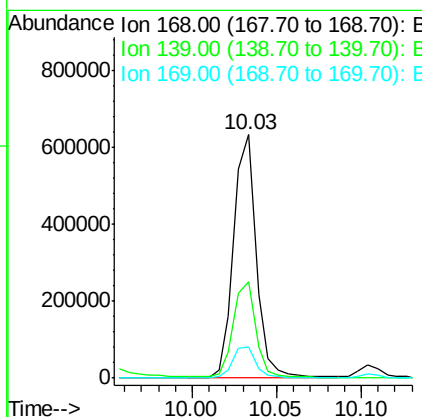
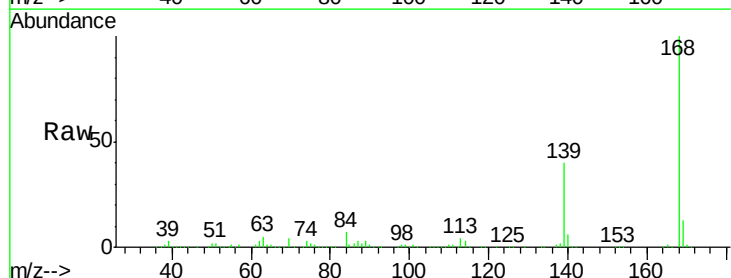
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

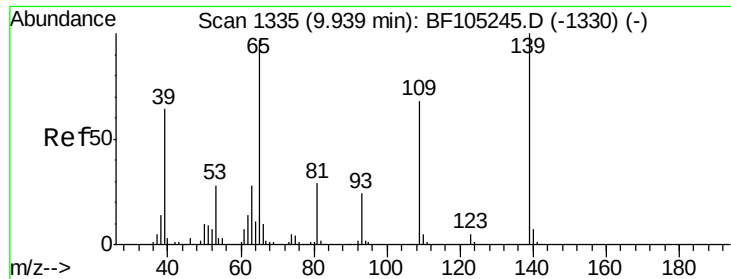
Tot Ion:184 Resp: 59133
 Ion Ratio Lower Upper
 184 100
 63 69.7 54.2 81.2
 154 73.9 184.0 276.0#



#54
 Dibenzofuran
 Concen: 21.114 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion:168 Resp: 593823
 Ion Ratio Lower Upper
 168 100
 139 39.5 30.1 45.1
 169 12.8 10.9 16.3

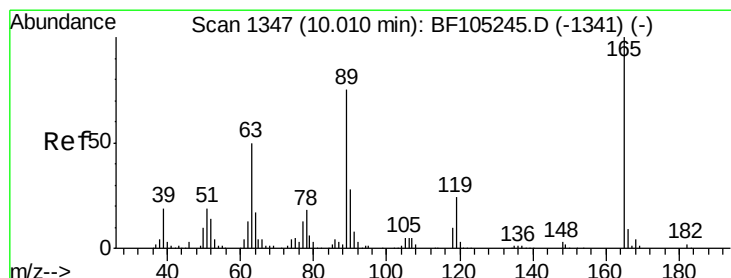
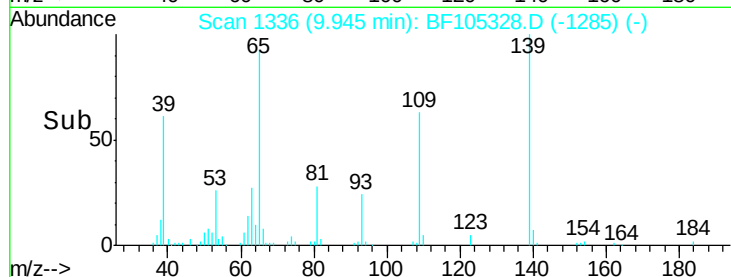
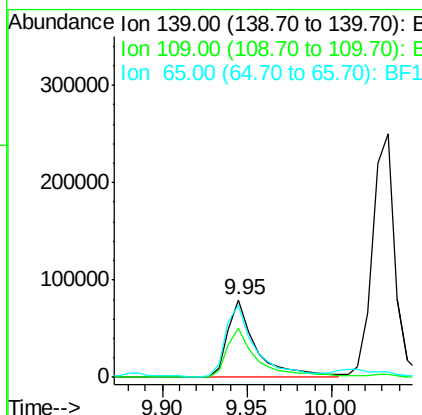
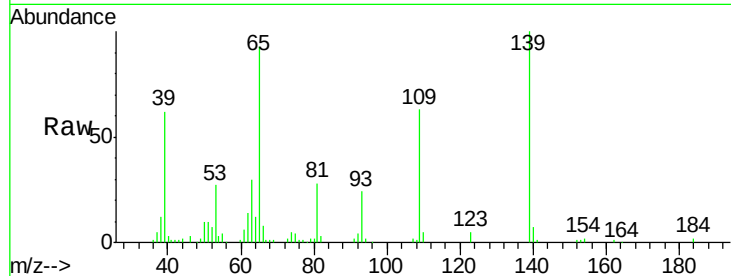




#55
4-Nitrophenol
Concen: 19.050 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

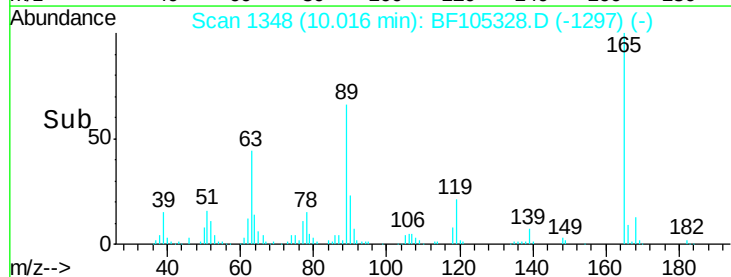
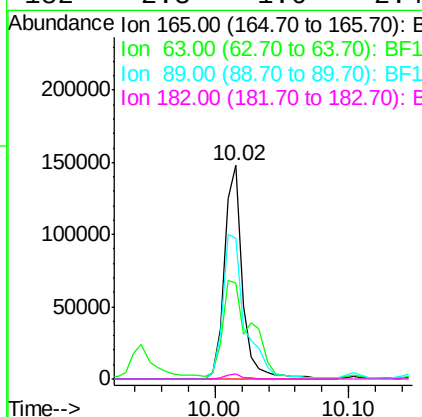
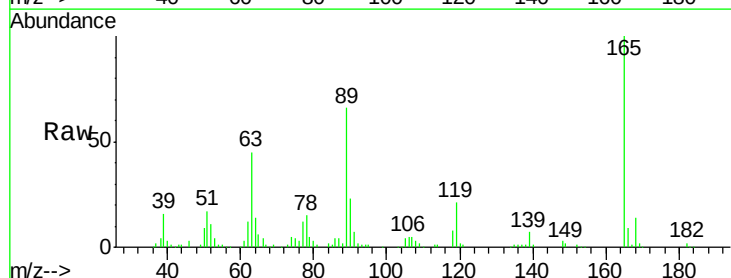
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

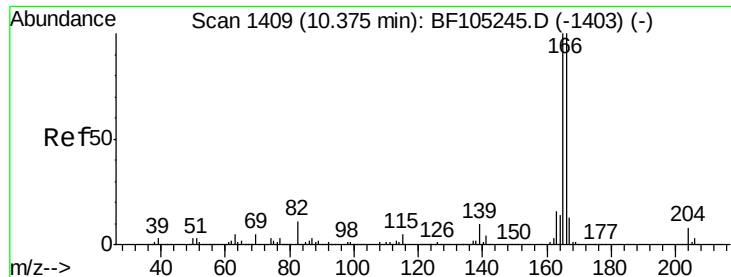
Tot Ion:139 Resp: 93930
Ion Ratio Lower Upper
139 100
109 62.8 48.4 88.4
65 92.9 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 20.939 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:165 Resp: 142517
Ion Ratio Lower Upper
165 100
63 44.8 36.4 54.6
89 66.2 57.8 86.6
182 2.3 1.6 2.4

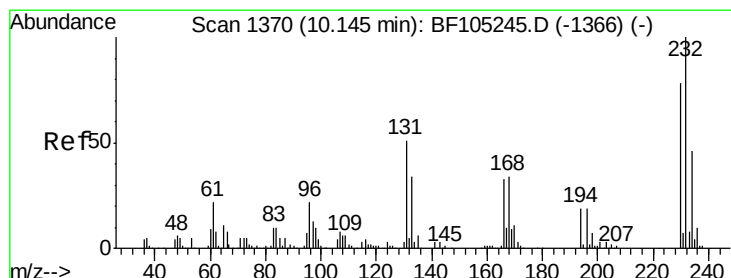
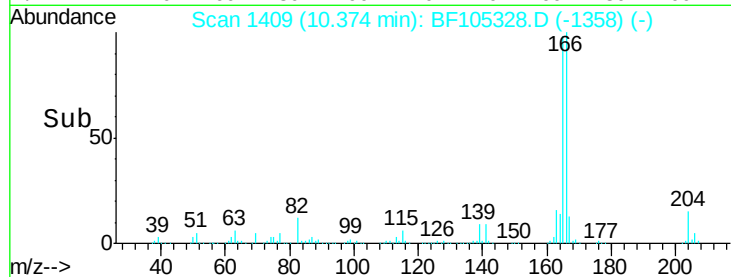
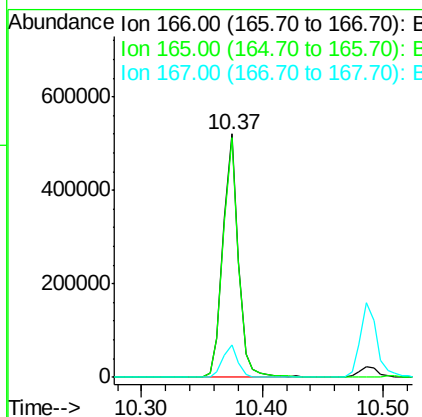
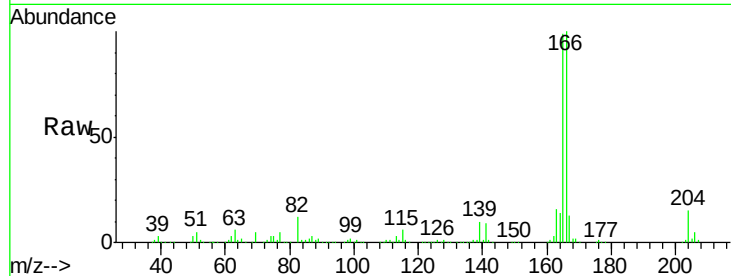




#57
Fluorene
 Concen: 21.649 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

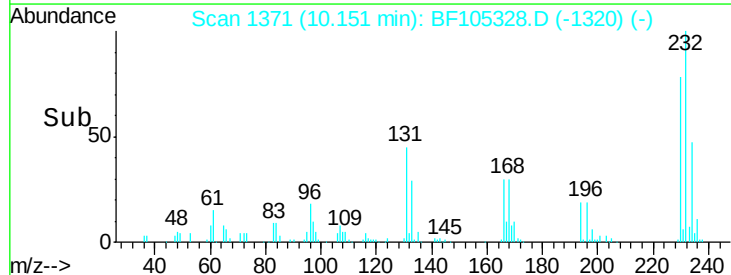
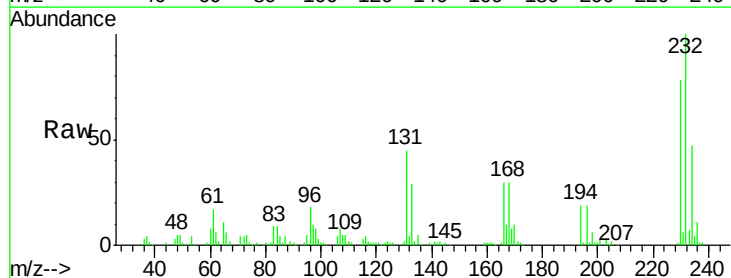
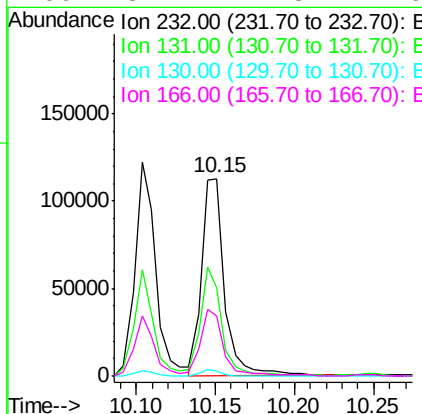
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

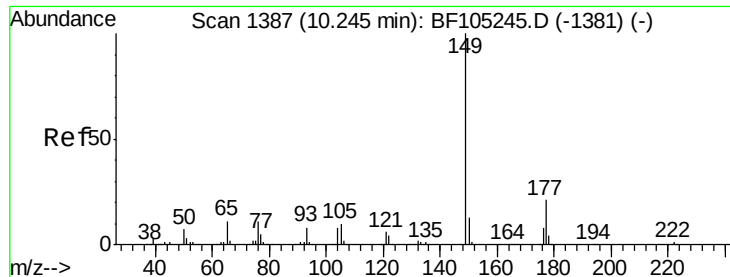
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.8	119.8
167	13.1	10.6	16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 20.239 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion	Ratio	Lower	Upper
232	100		
131	51.9	43.8	65.8
130	2.6	2.1	3.1
166	34.4	27.8	41.6





#59

Diethylphthalate

Concen: 20.691 ng

RT: 10.25 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

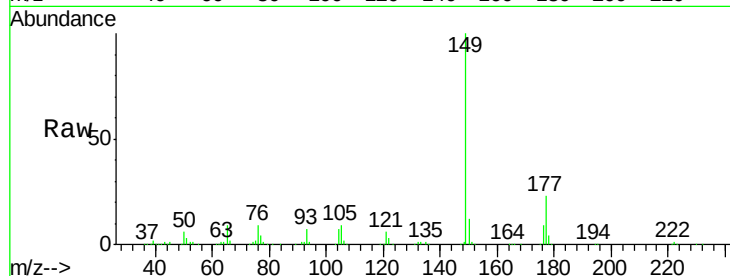
Tot Ion:149 Resp: 490505

Ion Ratio Lower Upper

149 100

177 22.5 16.1 24.1

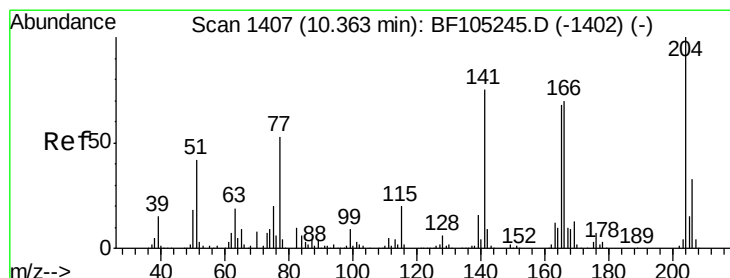
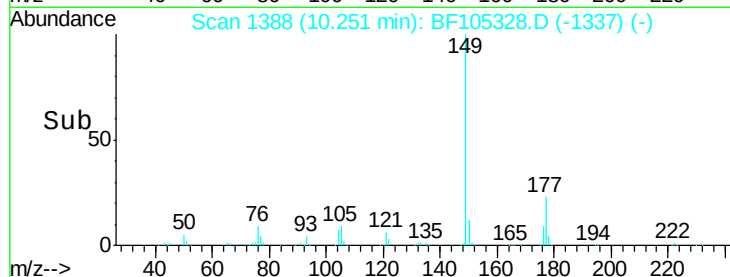
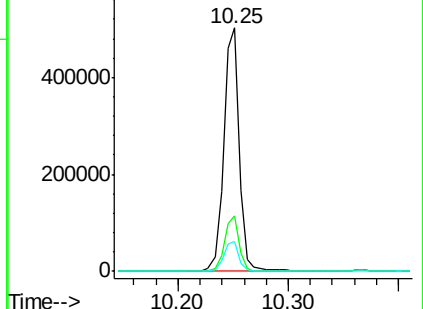
150 12.4 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 20.970 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

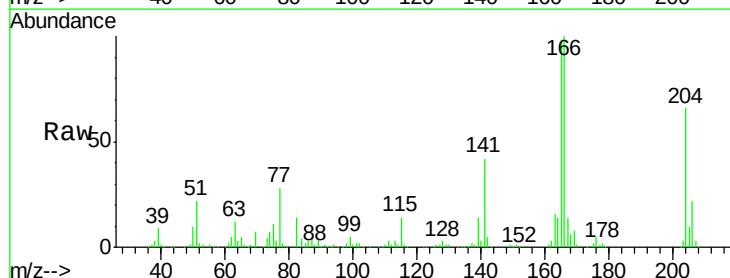
Tgt Ion:204 Resp: 206697

Ion Ratio Lower Upper

204 100

206 32.9 26.5 39.7

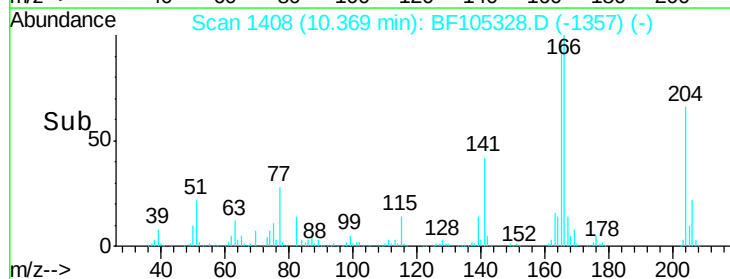
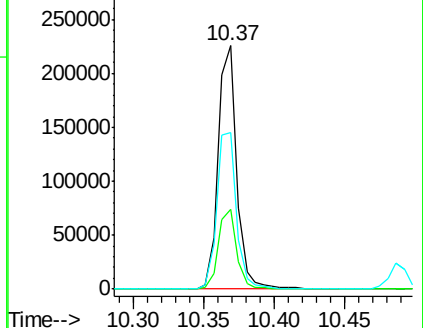
141 64.1 54.6 81.8

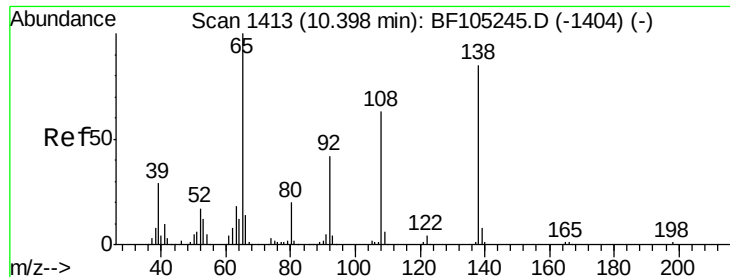


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

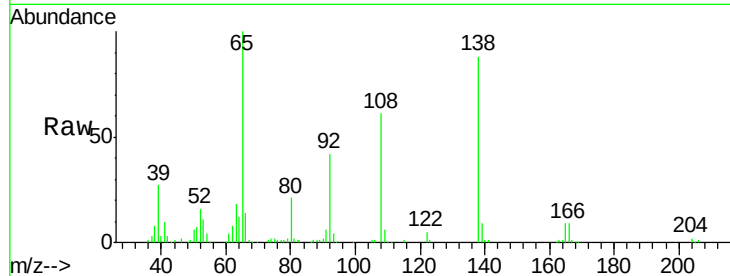




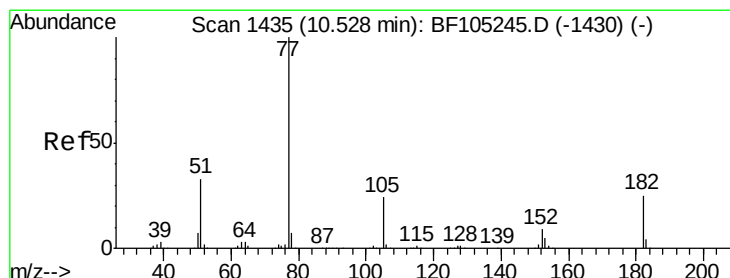
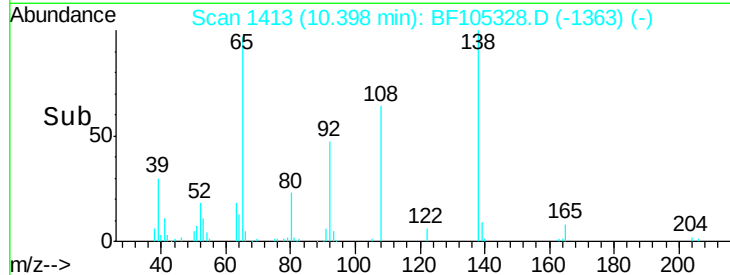
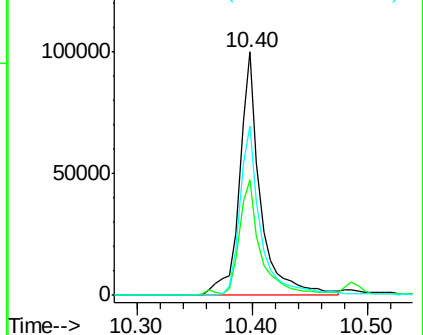
#61
4-Nitroaniline
Concen: 20.794 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion:138 Resp: 125325
Ion Ratio Lower Upper
138 100
92 47.5 30.2 70.2
108 69.4 52.5 92.5

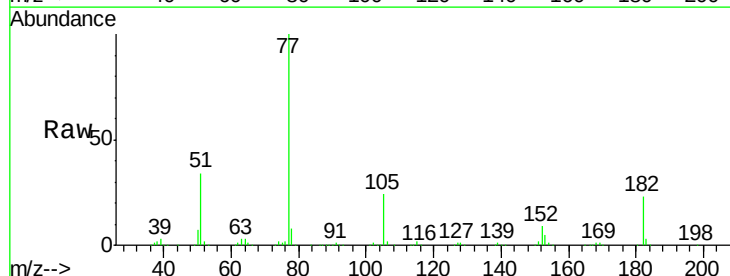


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

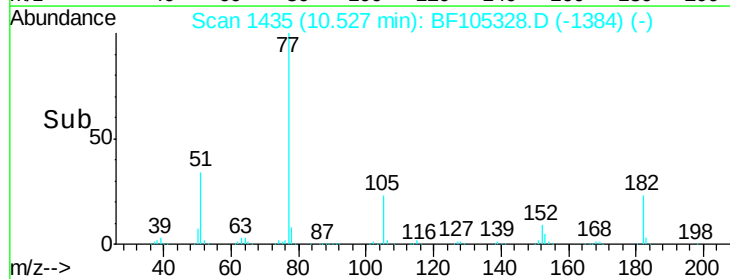
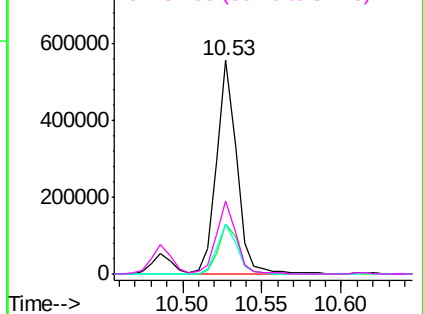


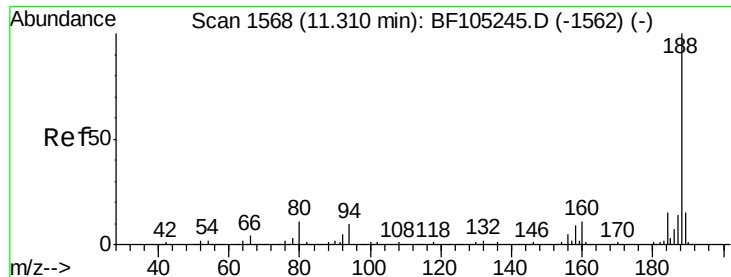
#62
Azobenzene
Concen: 20.894 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion: 77 Resp: 484761
Ion Ratio Lower Upper
77 100
182 23.1 1.7 41.7
105 23.5 3.0 43.0
51 34.3 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

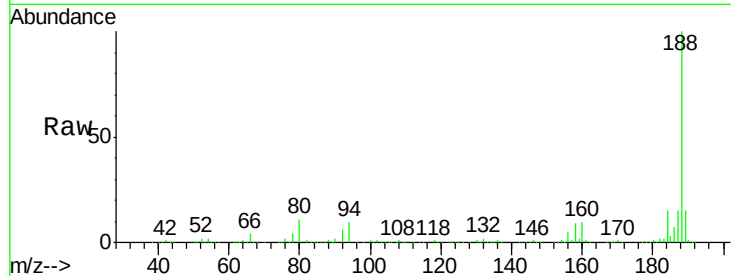




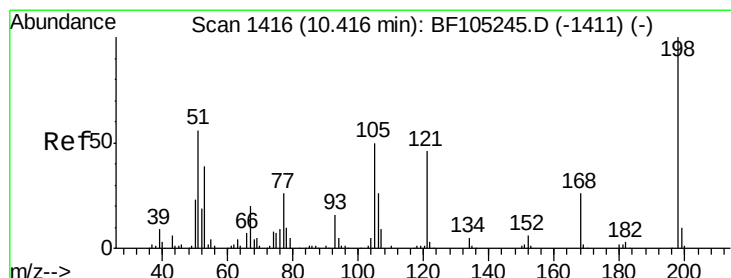
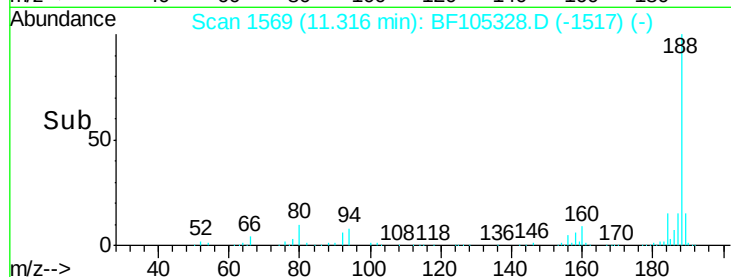
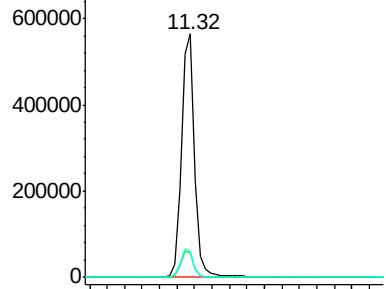
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

Tot Ion:188 Resp: 582134
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.8 9.2 13.8

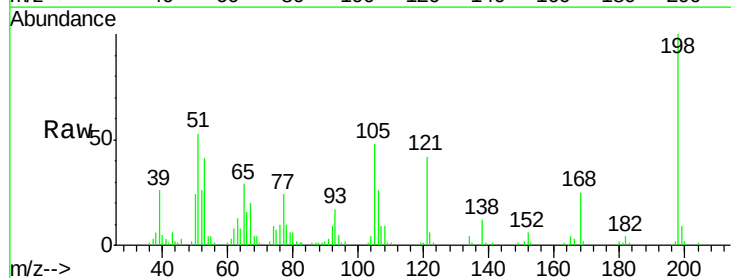


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

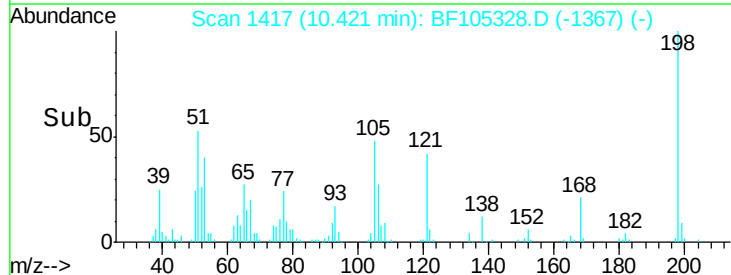
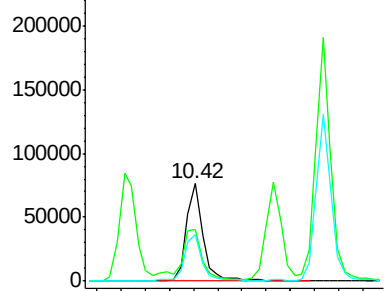


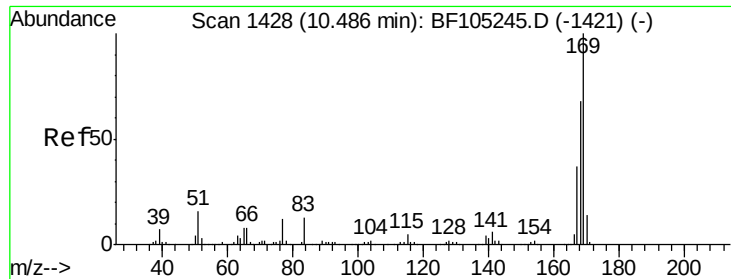
#64
4,6-Dinitro-2-methylphenol
Concen: 20.718 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:198 Resp: 72317
Ion Ratio Lower Upper
198 100
51 53.3 37.7 77.7
105 48.2 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

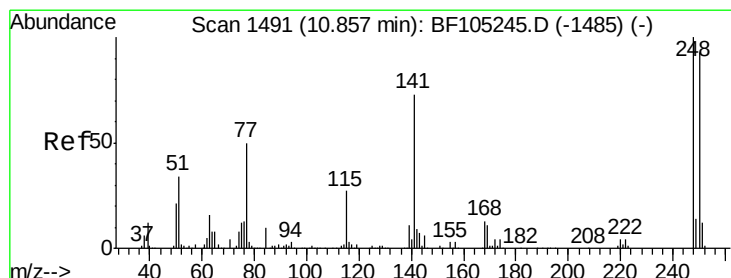
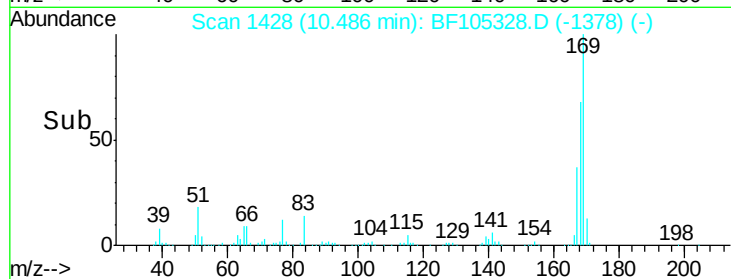
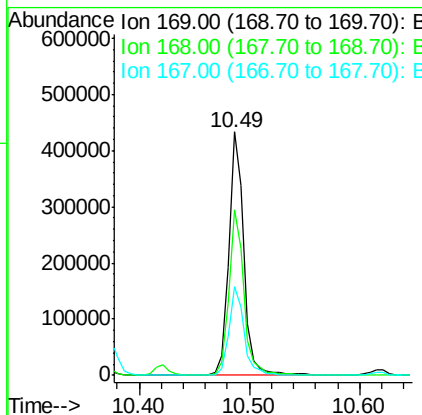
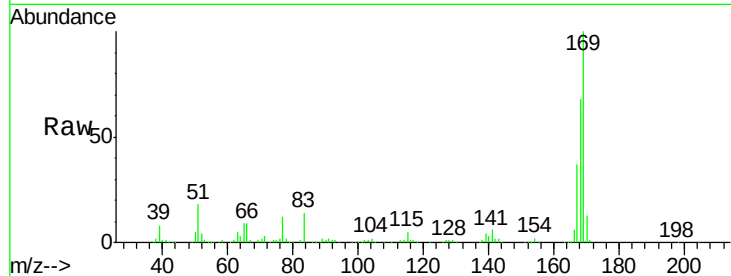




#65
 n-Nitrosodiphenylamine
 Concen: 21.132 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

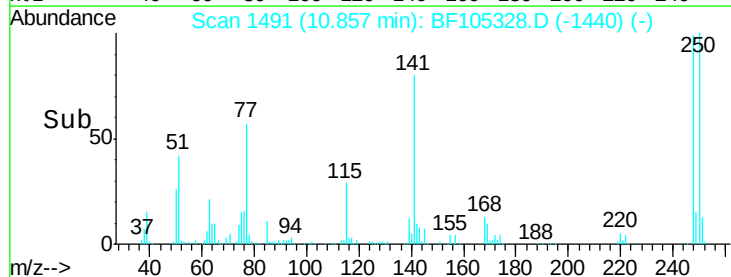
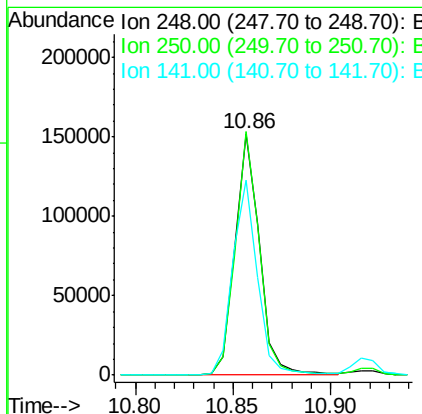
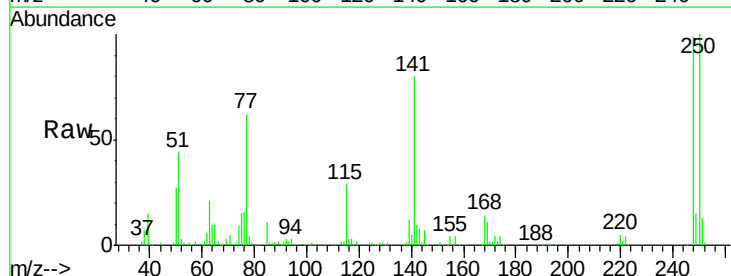
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

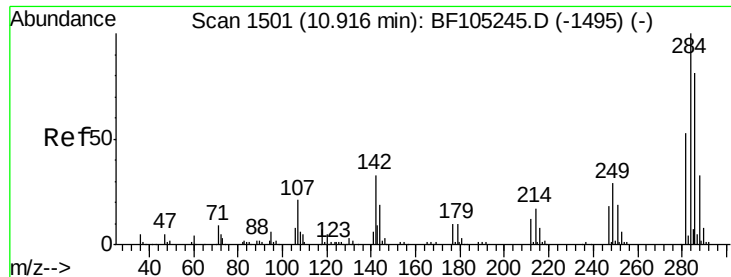
Tot Ion	Ratio	Lower	Upper
169	100		
168	68.0	54.4	81.6
167	36.7	29.8	44.6



#66
 4-Bromophenyl-phenylether
 Concen: 20.450 ng
 RT: 10.86 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.9	76.9	115.3
141	81.0	74.4	111.6

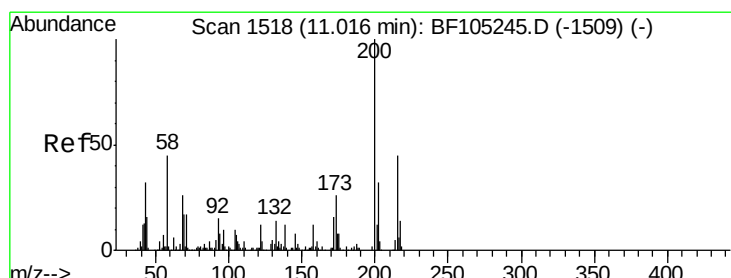
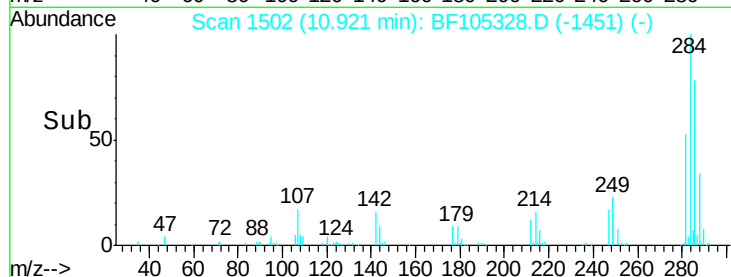
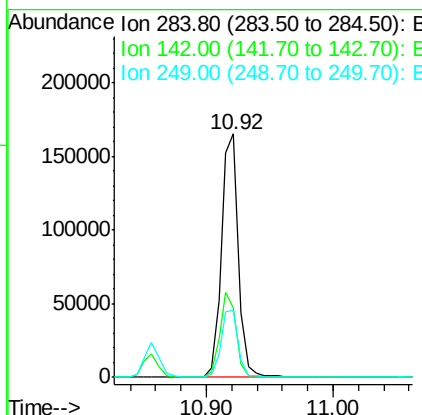
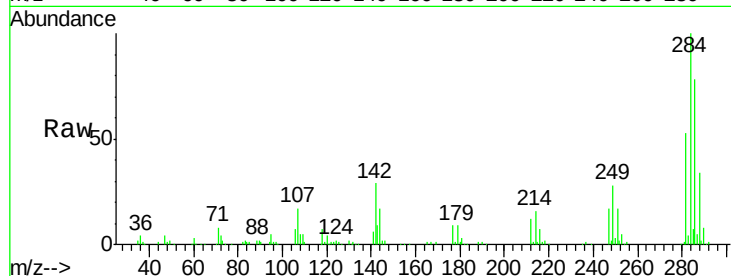




#67
Hexachlorobenzene
Concen: 20.871 ng
RT: 10.92 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

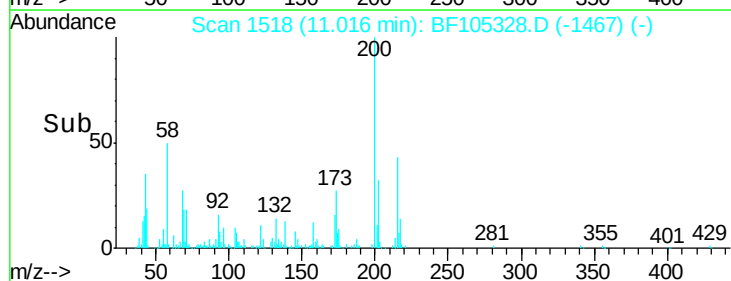
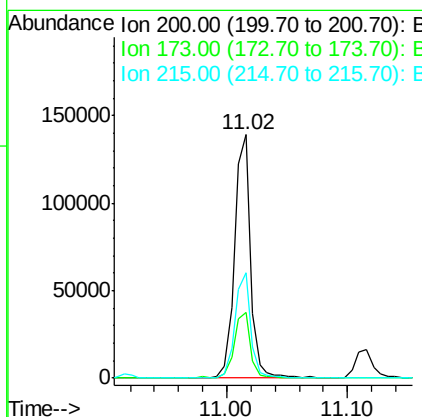
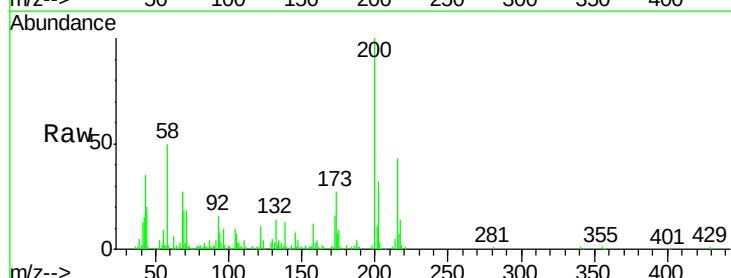
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

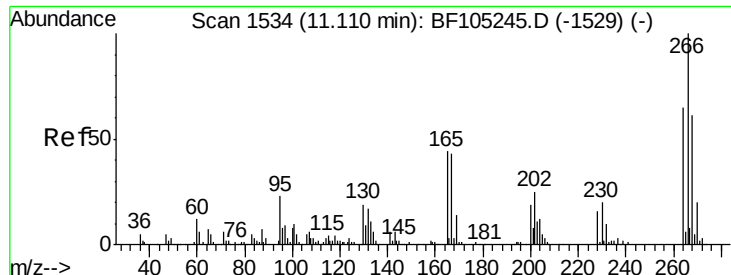
Tot Ion	Ratio	Lower	Upper
284	100		
142	28.6	34.6	52.0
249	27.7	24.8	37.2



#68
Atrazine
Concen: 20.860 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.0	8.6	48.6
215	43.2	25.1	65.1

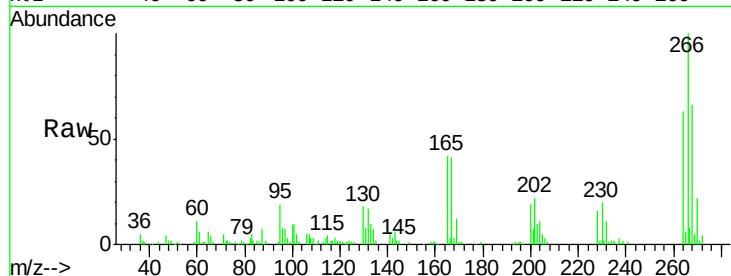




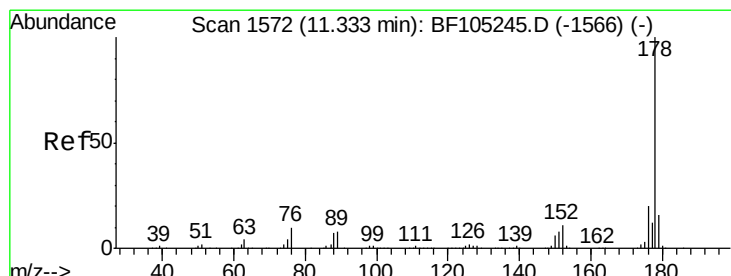
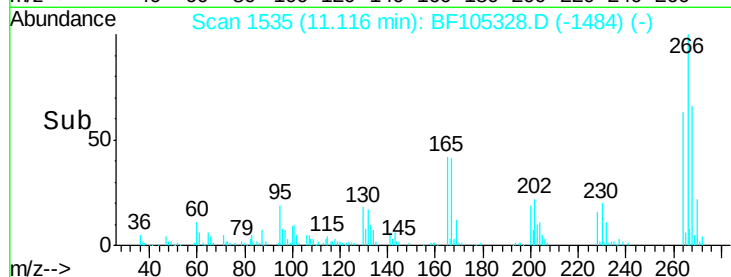
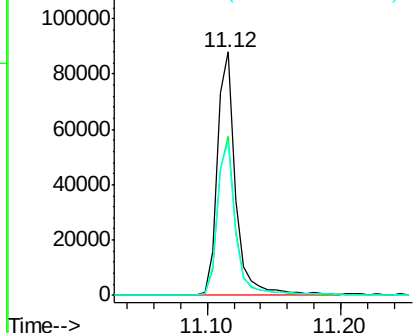
#69
 Pentachlorophenol
 Concen: 19.127 ng
 RT: 11.12 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion:266 Resp: 85420
 Ion Ratio Lower Upper
 266 100
 268 65.6 51.1 76.7
 264 63.4 49.5 74.3

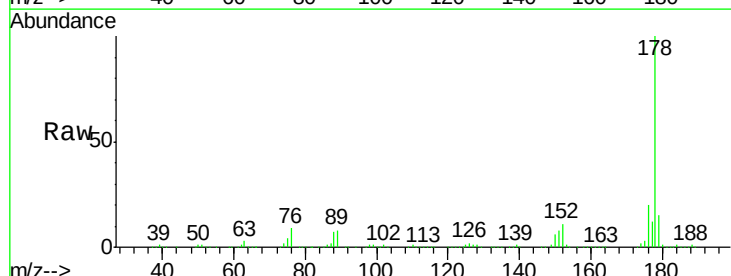


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

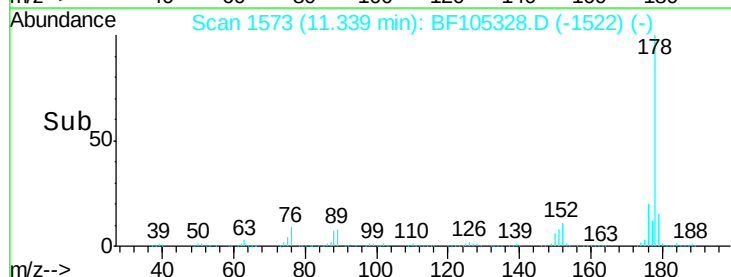
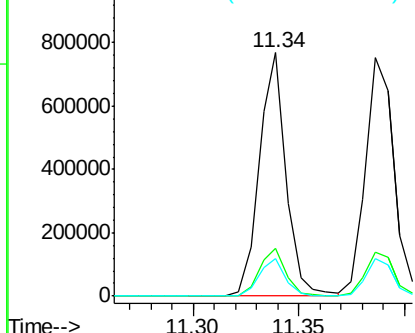


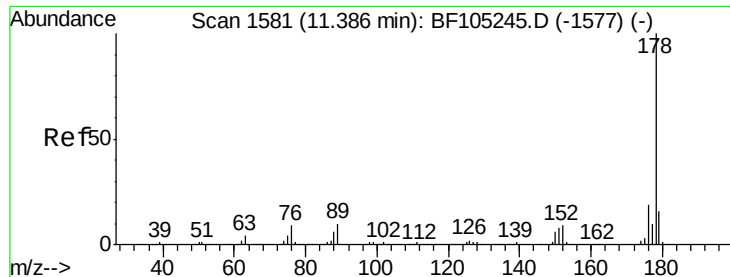
#70
 Phenanthrene
 Concen: 20.641 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion:178 Resp: 677178
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

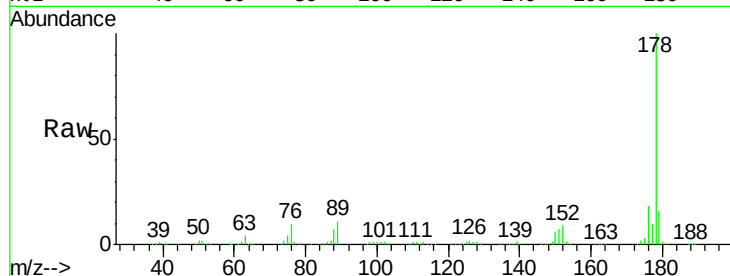




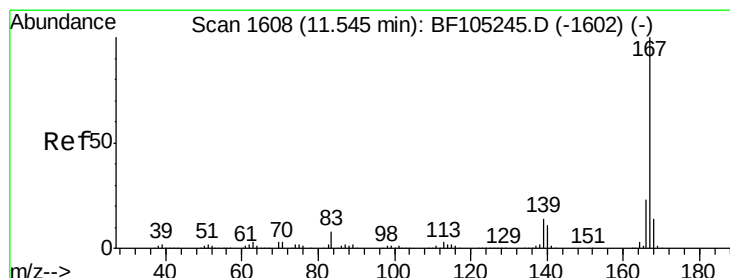
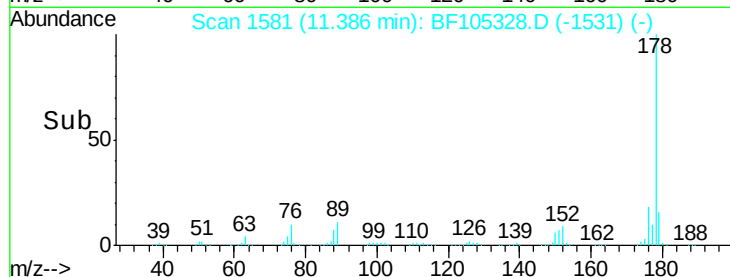
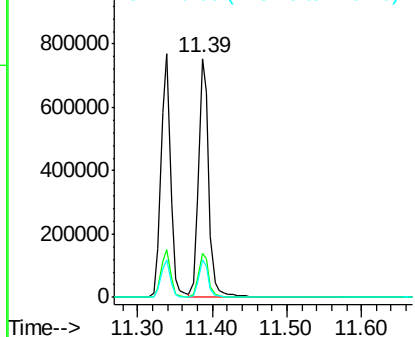
#71
 Anthracene
 Concen: 21.608 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion:178 Resp: 733794
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.8 12.6 19.0

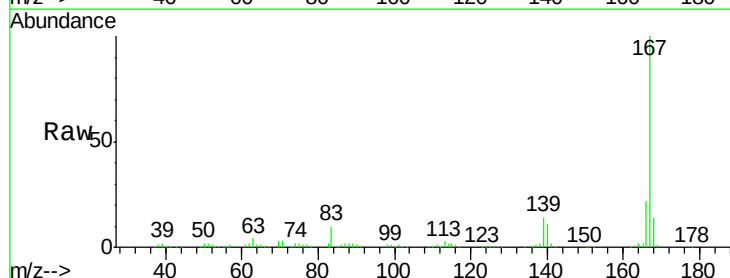


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

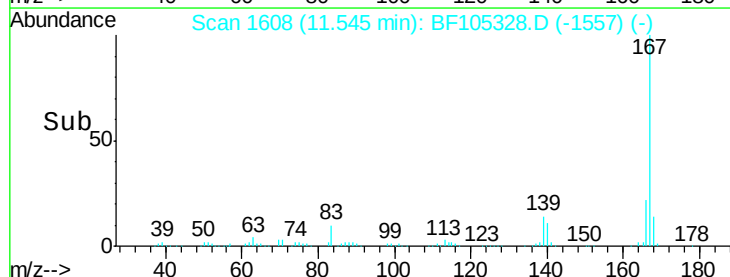
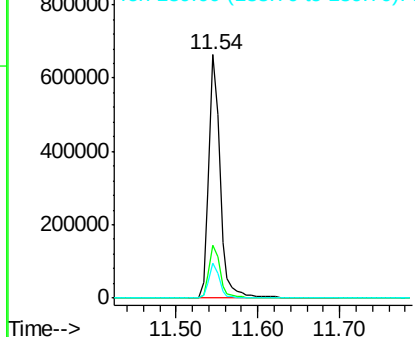


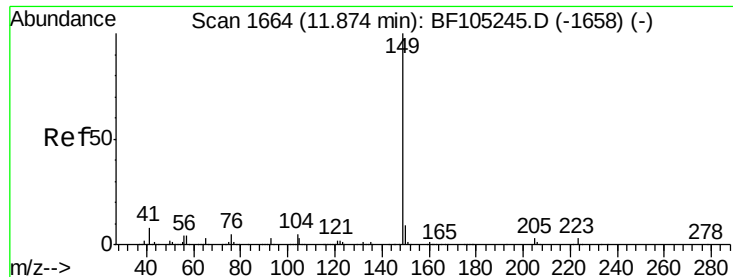
#72
 Carbazole
 Concen: 21.581 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion:167 Resp: 641458
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 14.1 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

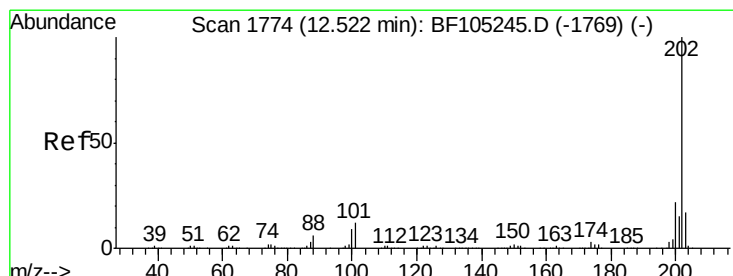
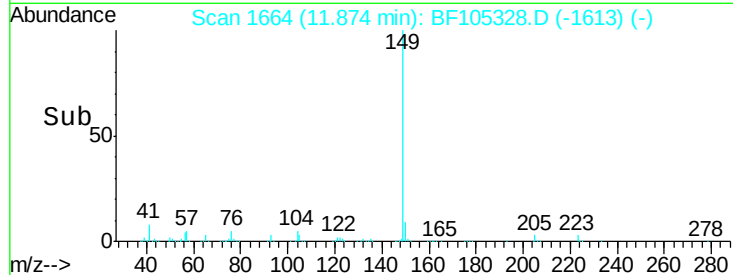
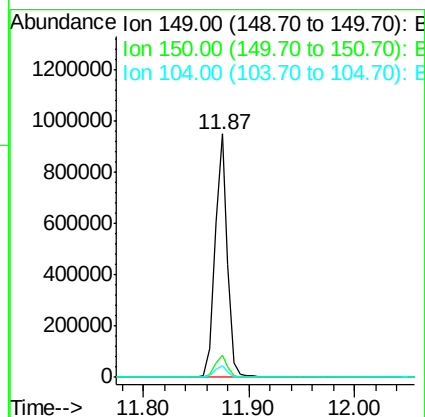
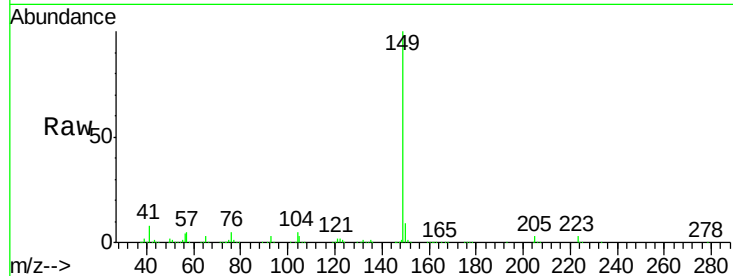




#73
Di-n-butylphthalate
Concen: 21.218 ng
RT: 11.87 min Scan# 1664
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

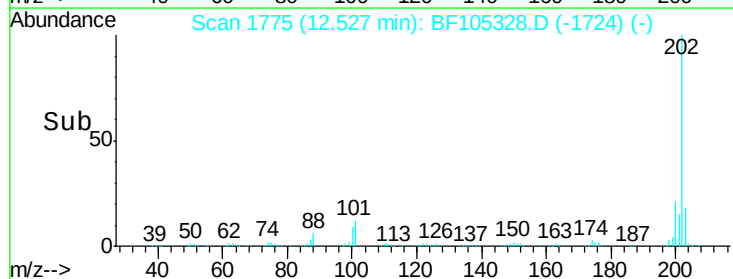
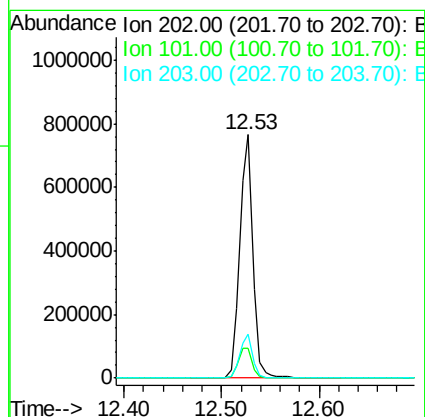
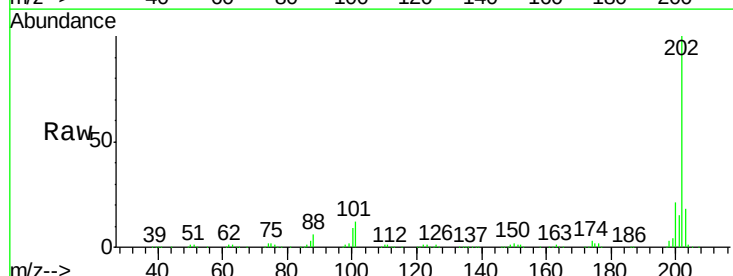
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

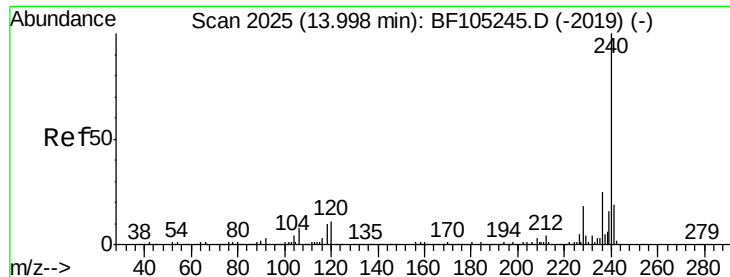
Tot Ion:149 Resp: 778746
Ion Ratio Lower Upper
149 100
150 9.1 7.8 11.6
104 4.9 3.8 5.8



#74
Fluoranthene
Concen: 21.959 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.00 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:202 Resp: 716140
Ion Ratio Lower Upper
202 100
101 12.3 0.0 34.1
203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

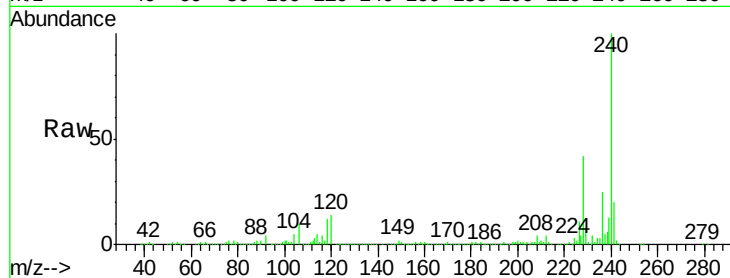
Tot Ion:240 Resp: 519490

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

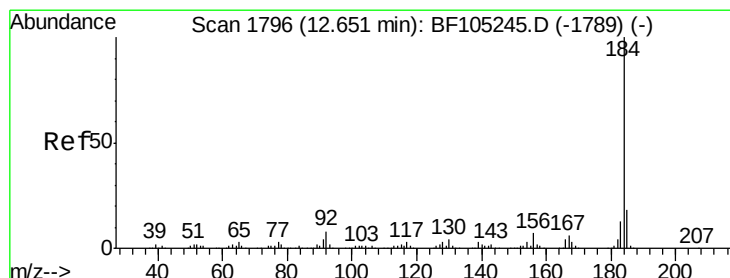
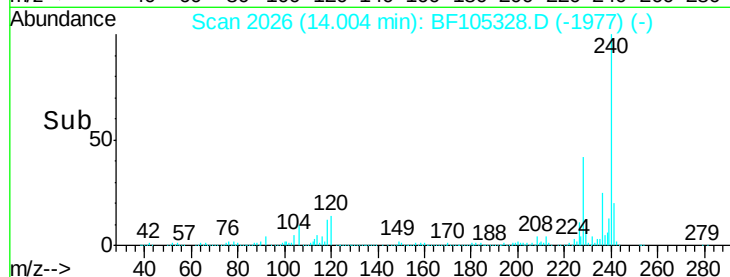
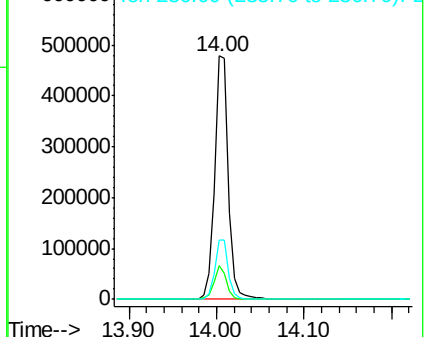
236 24.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 19.233 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.00 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

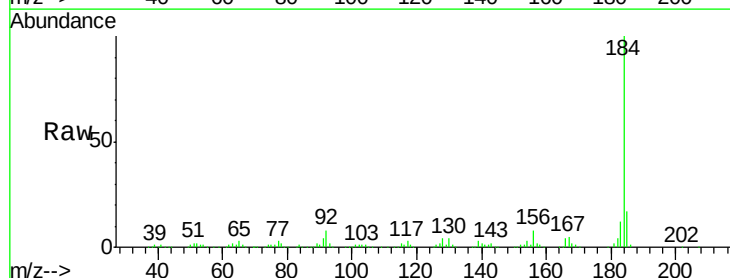
Tgt Ion:184 Resp: 401892

Ion Ratio Lower Upper

184 100

185 16.9 12.6 18.8

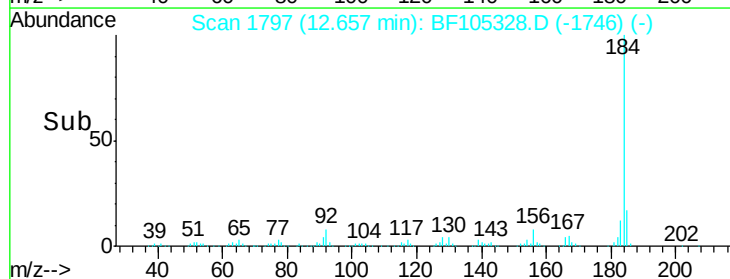
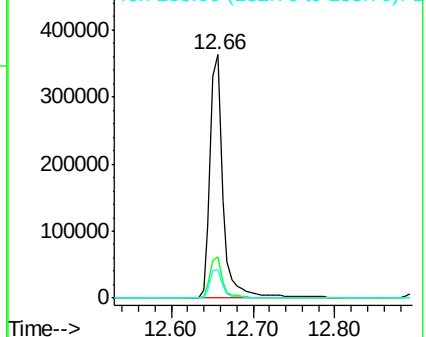
183 11.9 9.3 13.9

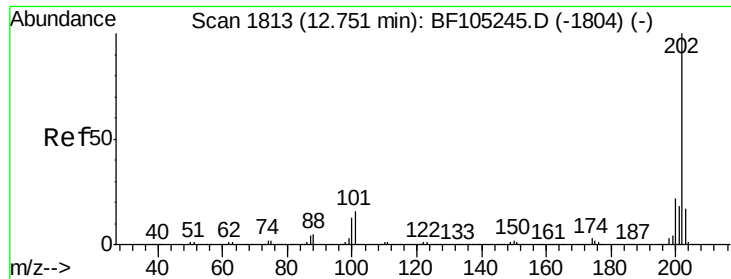


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

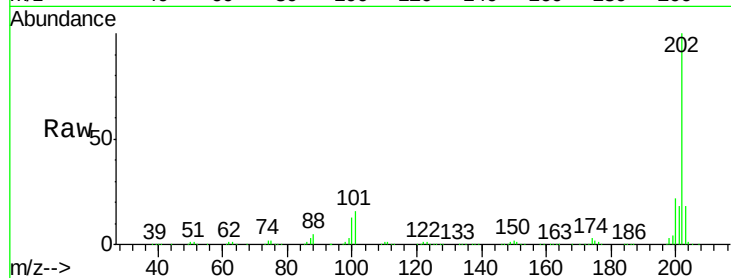




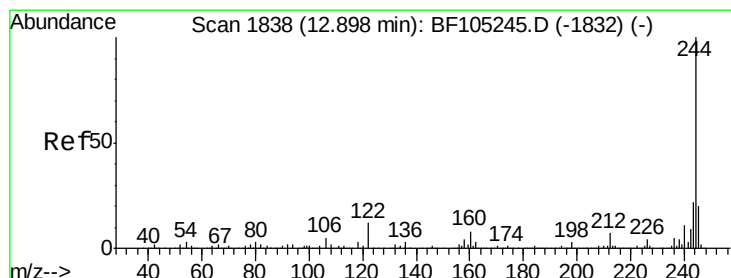
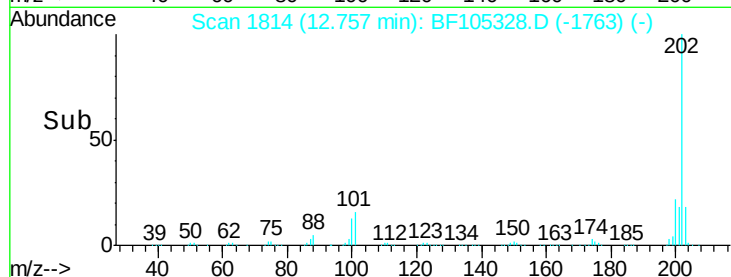
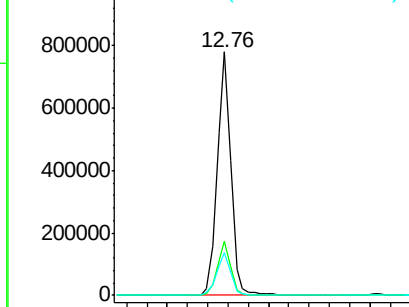
#77
 Pvrene
 Concen: 18.237 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. -0.00 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Tot Ion:202 Resp: 731122
 Ion Ratio Lower Upper
 202 100
 200 22.5 17.4 26.2
 203 17.5 14.3 21.5

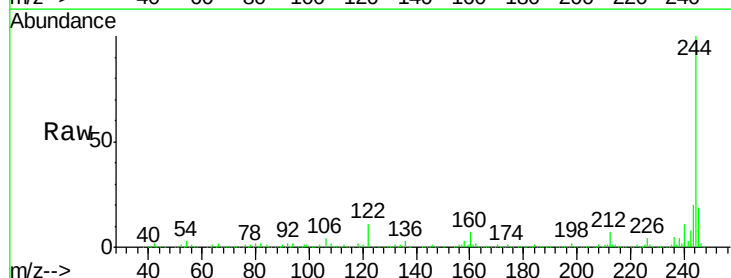


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

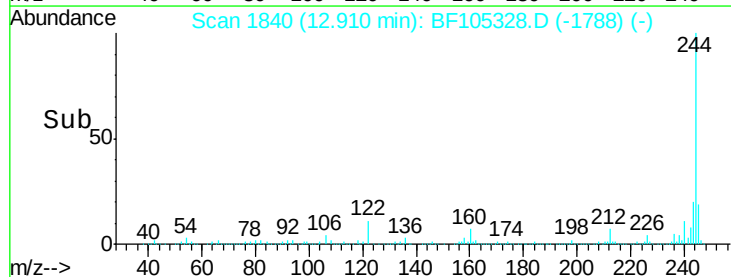
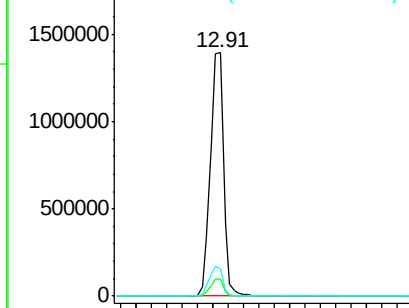


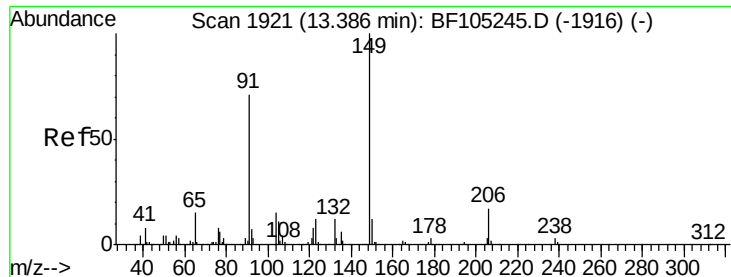
#78
 Terphenyl-d14
 Concen: 67.862 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion:244 Resp: 1639967
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.2 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

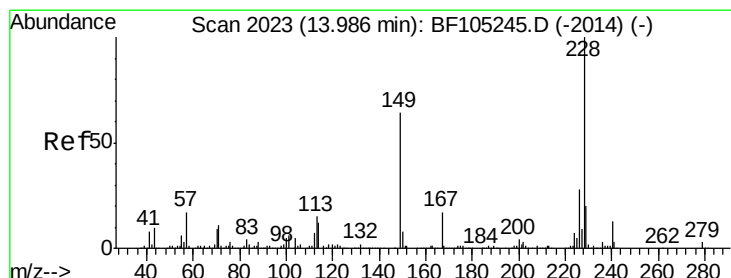
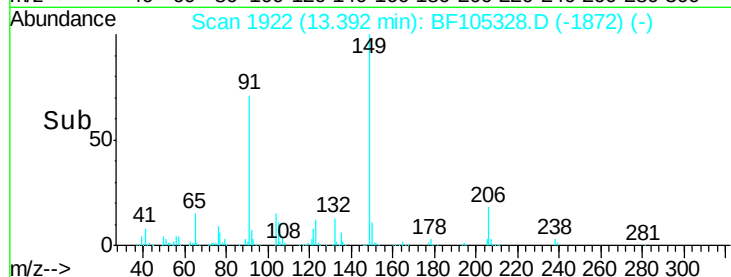
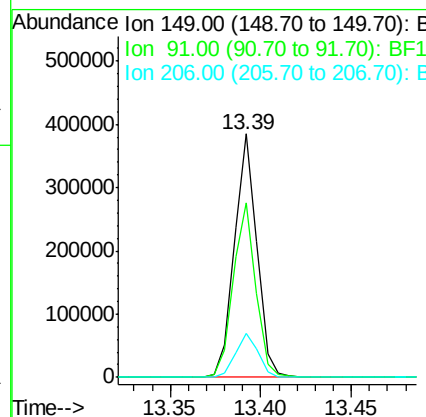
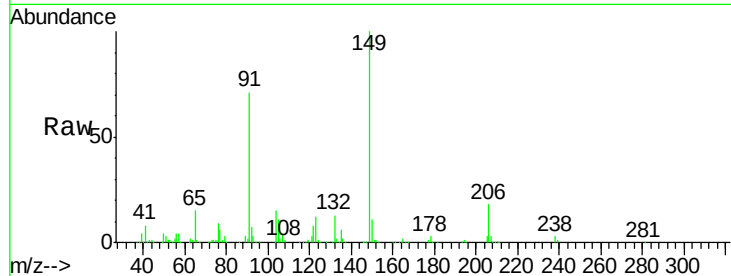




#79
Butylbenzylphthalate
Concen: 18.900 ng
RT: 13.39 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

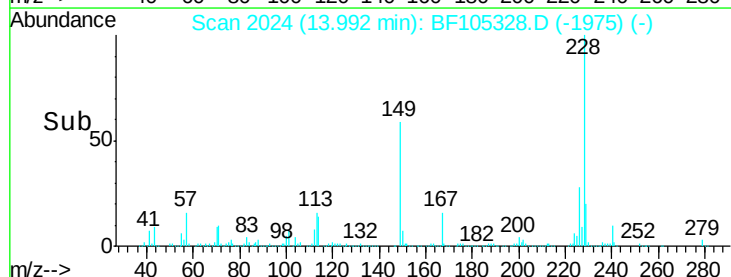
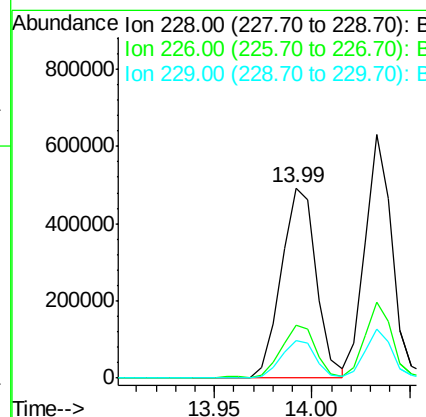
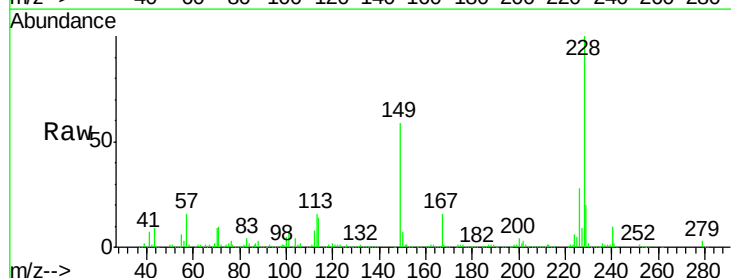
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

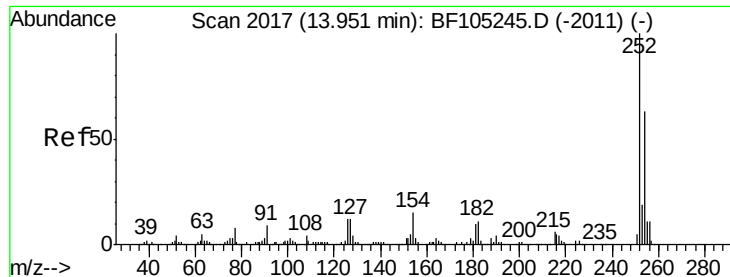
Tot Ion	Ratio	Lower	Upper
149	100		
91	71.5	56.8	85.2
206	17.8	14.1	21.1



#80
Benzo(a)anthracene
Concen: 20.146 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	19.9	15.8	23.6





#81

3,3'-Dichlorobenzidine

Concen: 20.711 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

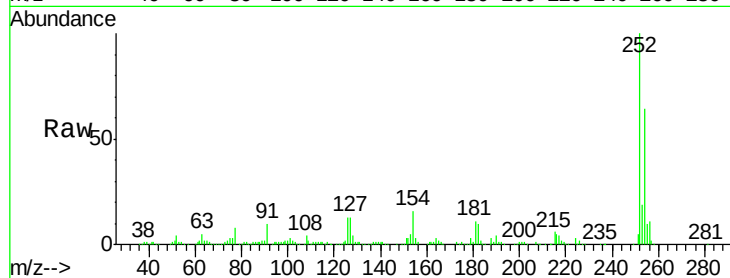
Tot Ion:252 Resp: 241734

Ion Ratio Lower Upper

252 100

254 64.4 50.4 75.6

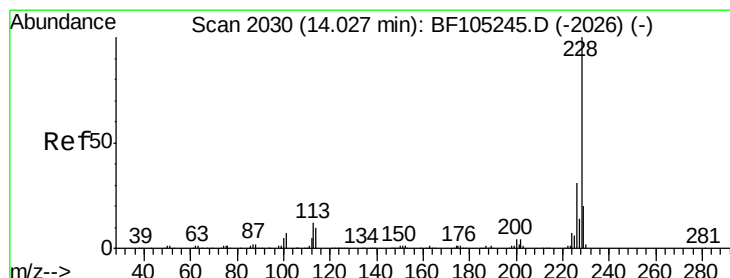
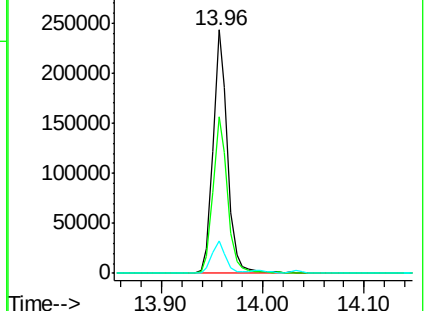
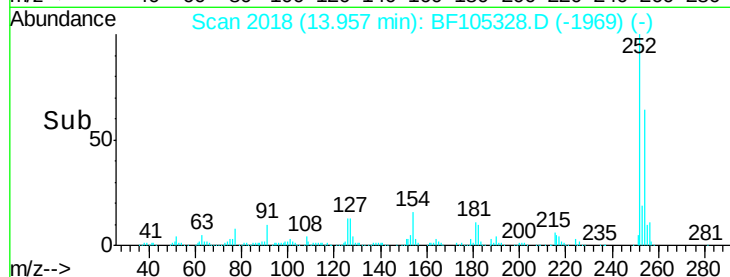
126 13.5 11.3 16.9



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: 20.599 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

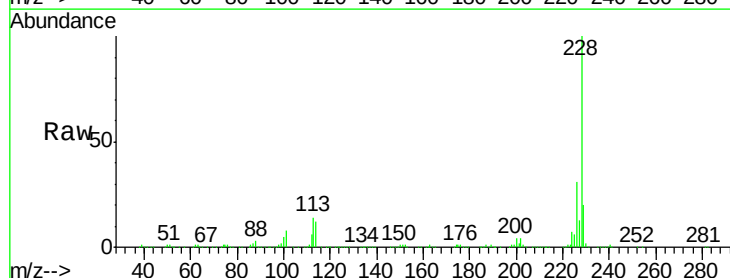
Tgt Ion:228 Resp: 615628

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

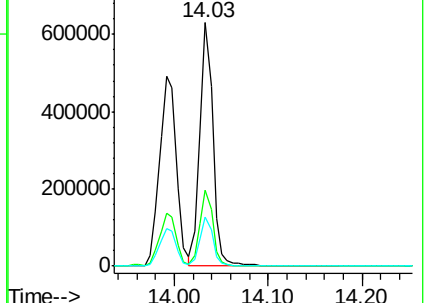
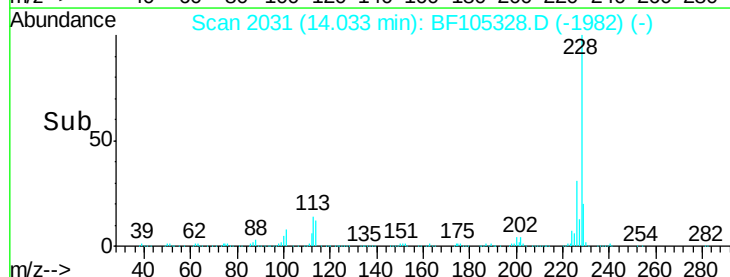
229 20.0 16.2 24.4

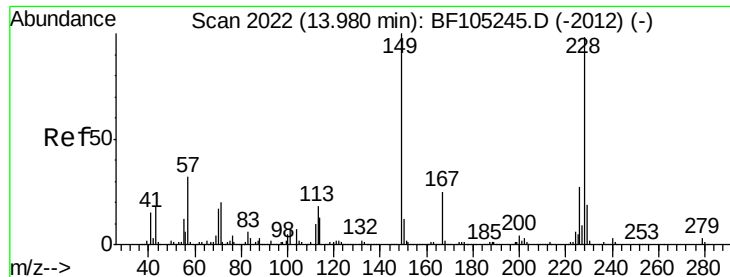


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 20.563 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

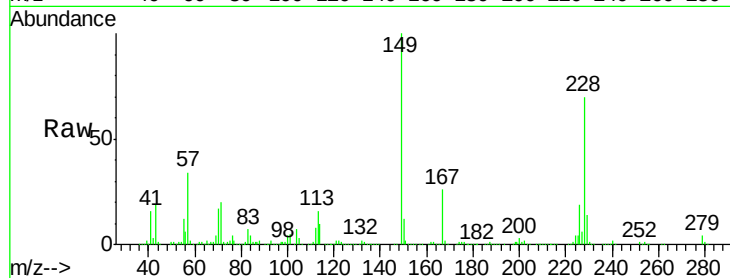
Tot Ion:149 Resp: 439714

Ion Ratio Lower Upper

149 100

167 25.7 21.3 31.9

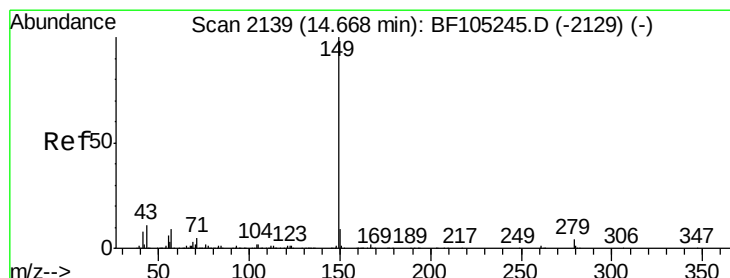
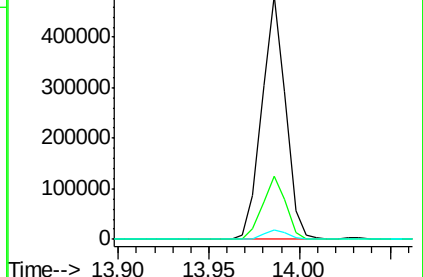
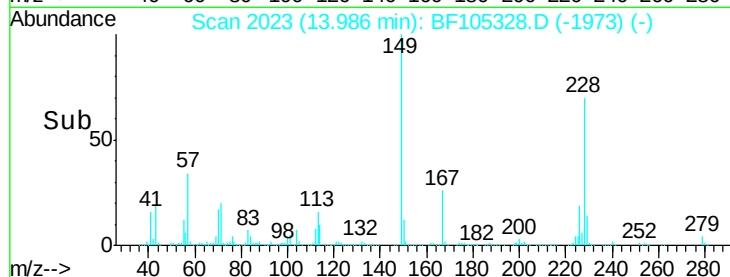
279 3.6 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 22.449 ng

RT: 14.67 min Scan# 2140

Delta R.T. -0.01 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

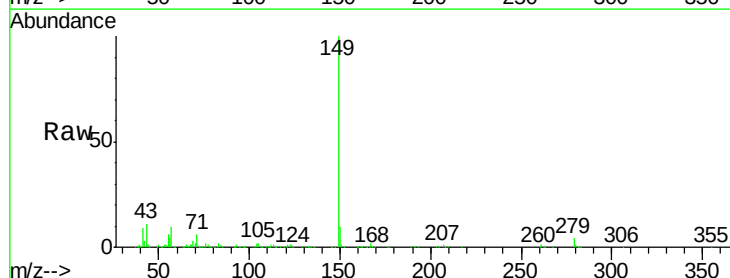
Tgt Ion:149 Resp: 788503

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

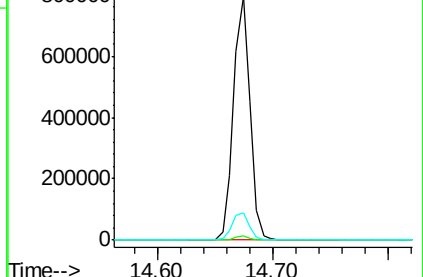
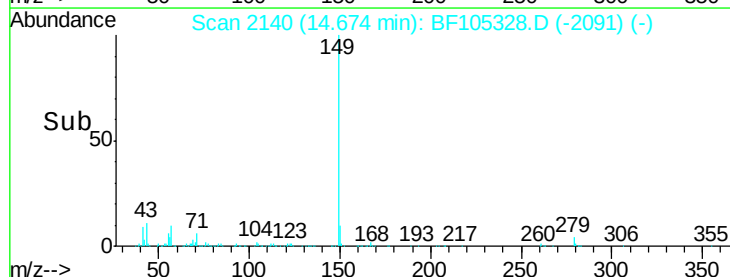
43 11.5 8.4 12.6

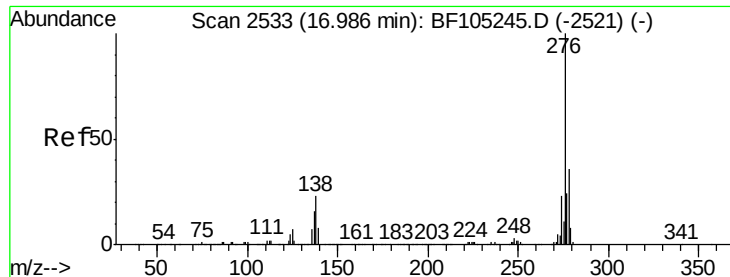


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

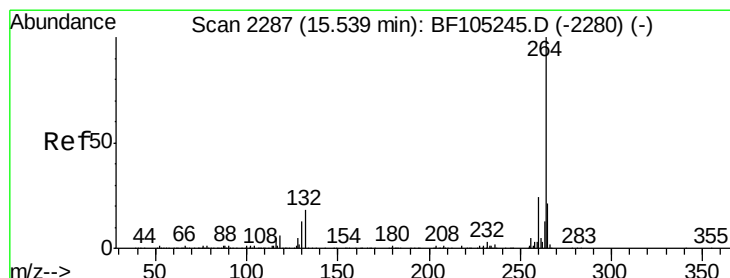
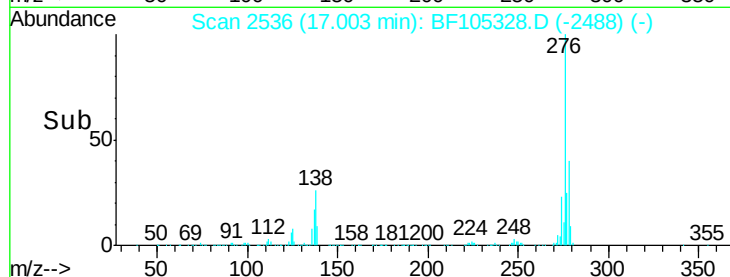
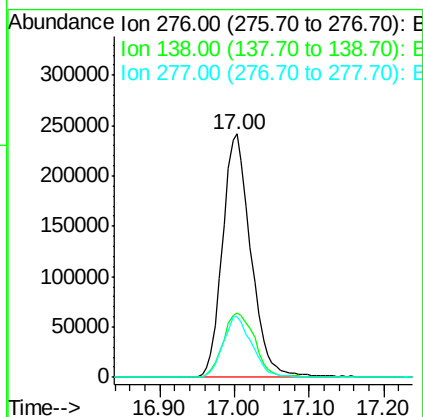
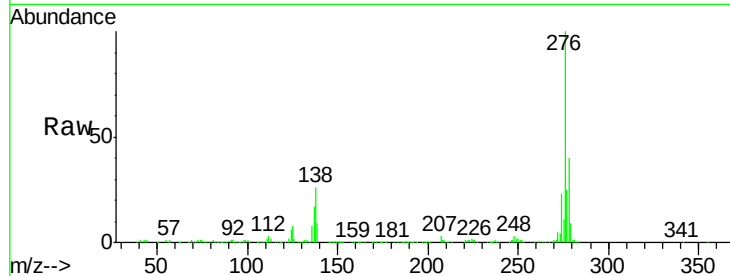




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 23.551 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. -0.02 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

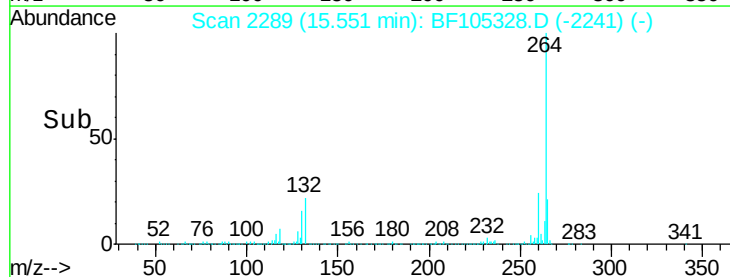
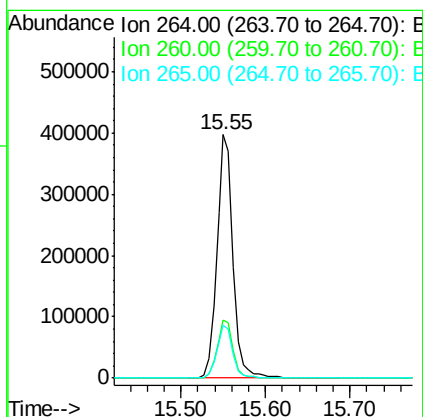
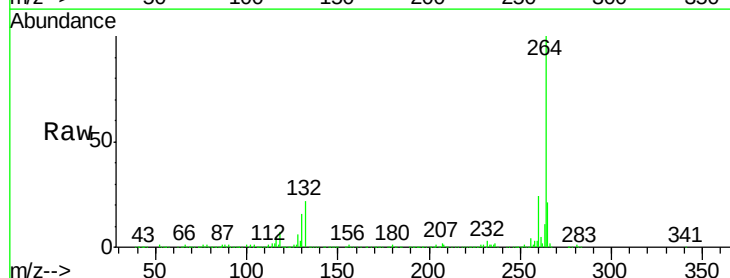
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

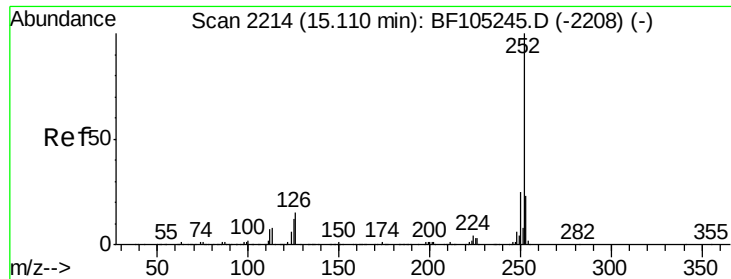
Tot Ion:276 Resp: 640851
 Ion Ratio Lower Upper
 276 100
 138 29.4 25.0 37.6
 277 25.5 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.02 min
 Lab File: BF105328.D
 Acq: 12 May 2018 11:06

Tgt Ion:264 Resp: 530623
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.5 17.5 26.3

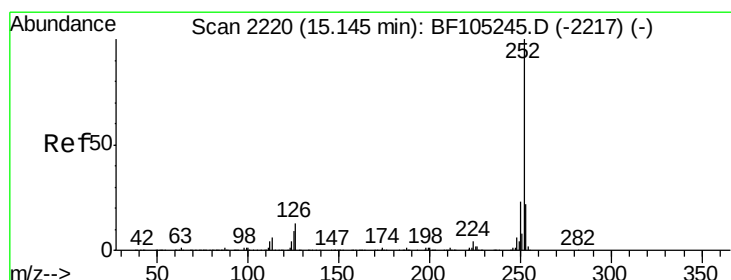
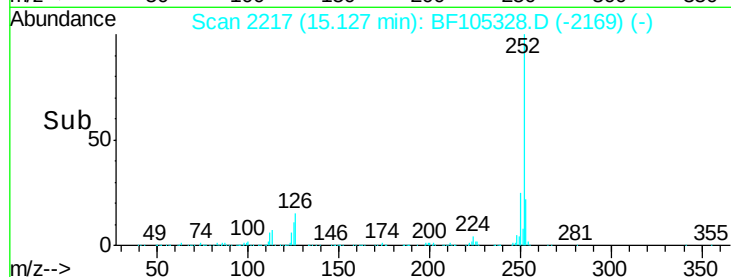
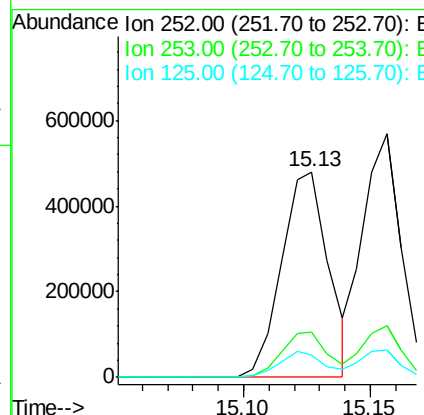
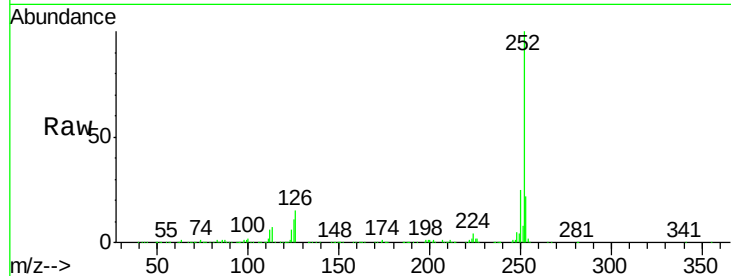




#87
Benzo(b)fluoranthene
Concen: 19.558 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

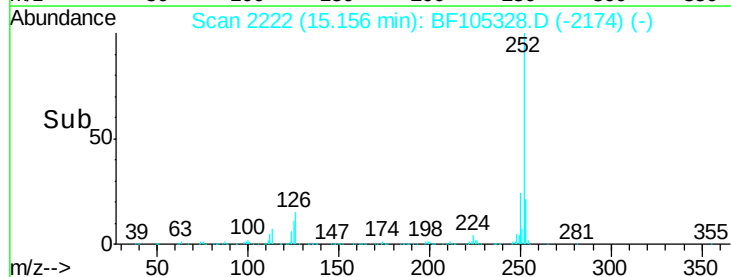
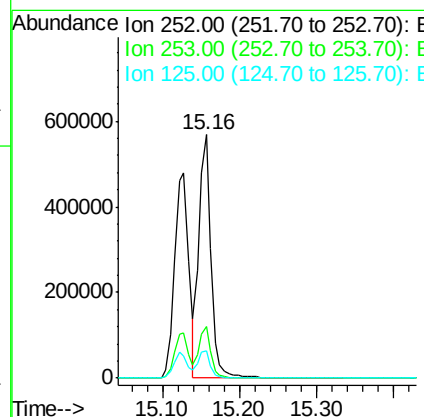
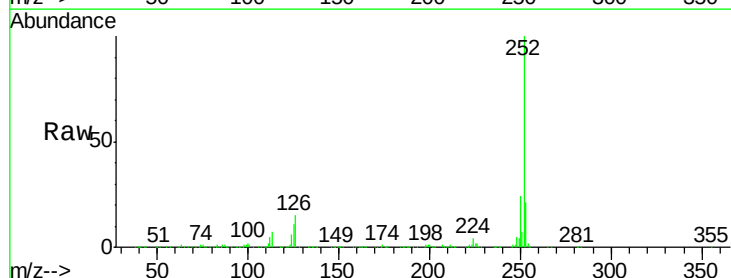
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

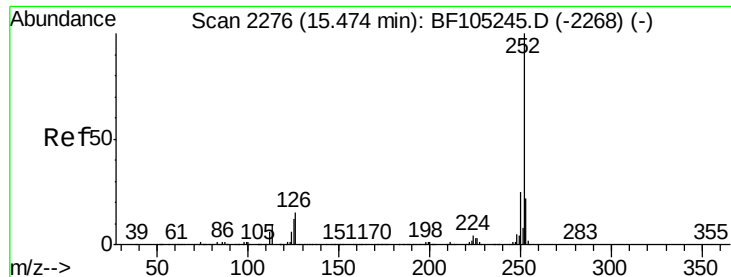
Tot Ion:252 Resp: 618583
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 10.7 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 20.573 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:252 Resp: 629235
Ion Ratio Lower Upper
252 100
253 21.1 17.9 26.9
125 11.0 10.2 15.2

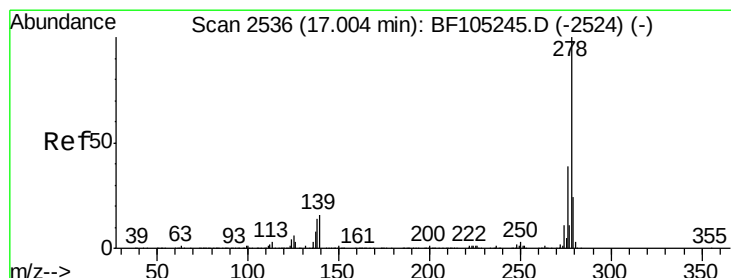
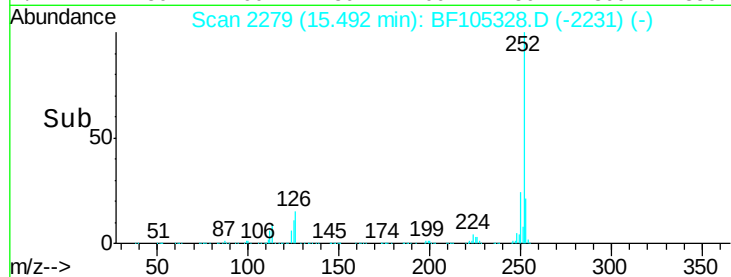
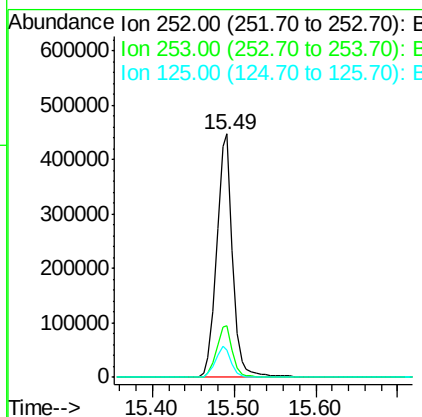
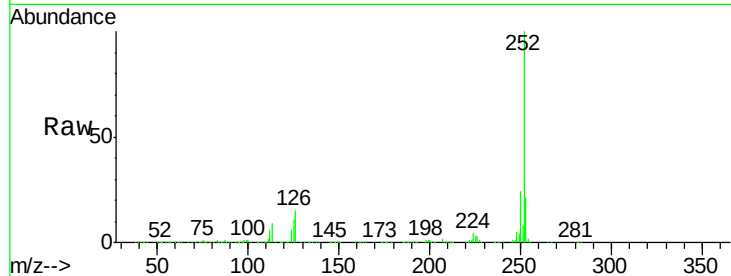




#89
Benzo(a)pyrene
Concen: 20.660 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

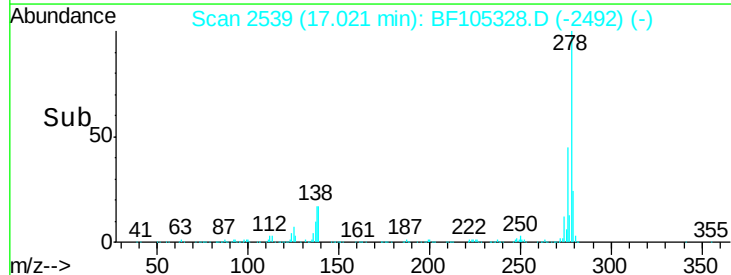
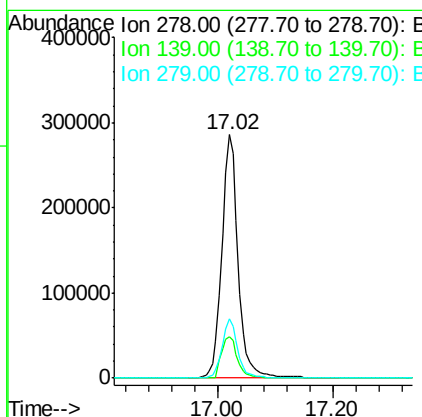
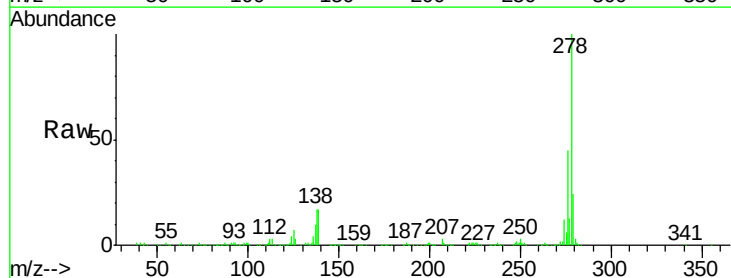
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2018

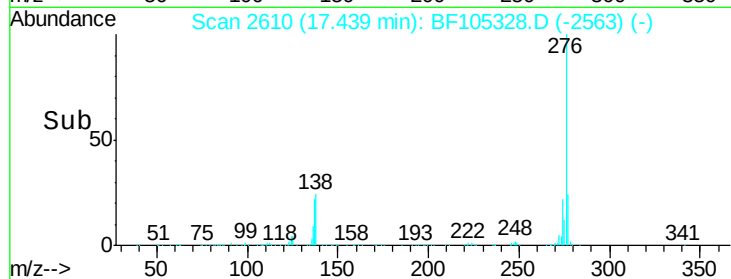
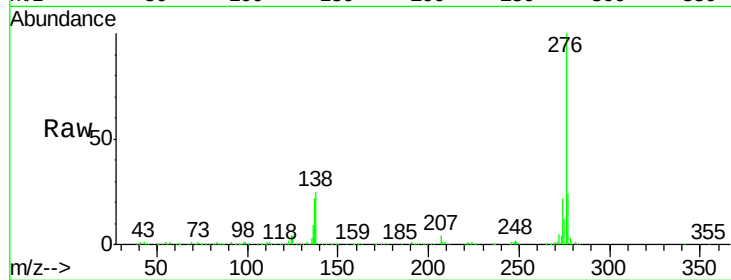
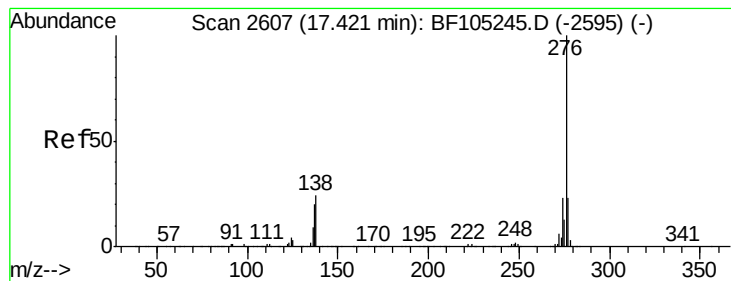
Tot Ion:252 Resp: 608450
Ion Ratio Lower Upper
252 100
253 21.3 17.1 25.7
125 11.3 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 20.291 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.02 min
Lab File: BF105328.D
Acq: 12 May 2018 11:06

Tgt Ion:278 Resp: 560387
Ion Ratio Lower Upper
278 100
139 17.1 15.9 23.9
279 24.1 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 19.964 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF105328.D

Acq: 12 May 2018 11:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2018

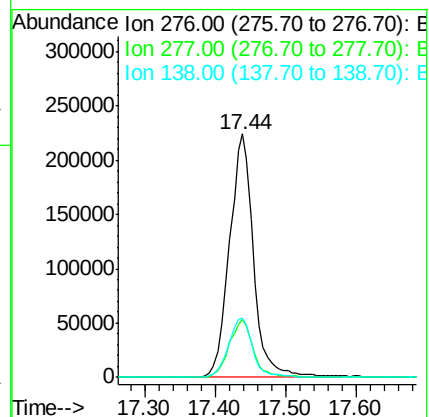
Tot Ion:276 Resp: 529920

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 24.5 21.8 32.8



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
 Data File : BF105328.D
 Acq On : 12 May 2018 11:06
 Operator : JU/SJ
 Sample : J2133-02
 Misc : L00 20 PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Quant Time: May 14 06:42:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 11 17:15:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	158444	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	672415	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	309542	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	582134	20.00	ng	0.00
75) Chrysene-d12	14.00	240	519490	20.00	ng	-0.01
86) Perylene-d12	15.55	264	530623	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1184183	112.41	ng	0.00
7) Phenol-d6	6.43	99	1419226	113.38	ng	0.00
23) Nitrobenzene-d5	7.36	82	953634	82.54	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	446813	111.73	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1592937	74.17	ng	0.00
78) Terphenyl-d14	12.91	244	1639967	67.86	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.49	88	98000	20.534	ng	93
3) Pyridine	3.26	79	234332	18.921	ng	90
4) n-Nitrosodimethylamine	3.18	42	97167	16.027	ng	90
6) Aniline	6.46	93	335740	20.684	ng	# 87
8) 2-Chlorophenol	6.57	128	228225	20.397	ng	94
9) Benzaldehyde	6.35	77	165387	19.434	ng	96
10) Phenol	6.44	94	288433	20.196	ng	84
11) bis(2-Chloroethyl)ether	6.53	93	235773	22.464	ng	97
12) 1,3-Dichlorobenzene	6.73	146	253750	20.601	ng	97
13) 1,4-Dichlorobenzene	6.81	146	264256	21.010	ng	98
14) 1,2-Dichlorobenzene	6.96	146	241715	20.853	ng	98
15) Benzyl Alcohol	6.93	79	197674	20.353	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.06	45	391815	21.249	ng	95
17) 2-Methylphenol	7.05	107	194381	20.579	ng	98
18) Hexachloroethane	7.30	117	92571	20.370	ng	96
19) n-Nitroso-di-n-propylamine	7.20	70	168480	21.294	ng	93
20) 3+4-Methylphenols	7.20	107	241489	21.474	ng	# 62
22) Acetophenone	7.20	105	327545	21.203	ng	# 85
24) Nitrobenzene	7.37	77	250892	20.625	ng	97
25) Isophorone	7.61	82	454326	20.777	ng	98
26) 2-Nitrophenol	7.69	139	125519	20.451	ng	94
27) 2,4-Dimethylphenol	7.73	122	202585	20.094	ng	96
28) bis(2-Chloroethoxy)methane	7.82	93	283040	21.103	ng	99
29) 2,4-Dichlorophenol	7.93	162	196930	20.845	ng	99
30) 1,2,4-Trichlorobenzene	8.01	180	204849	20.500	ng	100
31) Naphthalene	8.09	128	682592	20.848	ng	100
32) Benzoic acid	7.83	122	125052	16.697	ng	96
33) 4-Chloroaniline	8.15	127	287735	21.167	ng	98
34) Hexachlorobutadiene	8.21	225	108822	20.215	ng	97
35) Caprolactam	8.50	113	61083	20.921	ng	89
36) 4-Chloro-3-methylphenol	8.62	107	213088	20.953	ng	99
37) 2-Methylnaphthalene	8.79	142	468174	21.261	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	191378	20.493	ng	99
40) Hexachlorocyclopentadiene	8.93	237	122186	19.333	ng	96

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
 Data File : BF105328.D
 Acq On : 12 May 2018 11:06
 Operator : JU/SJ
 Sample : J2133-02
 Misc : LOO 20 PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2018

Quant Time: May 14 06:42:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 11 17:15:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	124989	19.683	ng	95
43) 2,4,5-Trichlorophenol	9.10	196	137336	20.014	ng	94
45) 1,1'-Biphenyl	9.25	154	577727	20.971	ng	100
46) 2-Chloronaphthalene	9.27	162	426060	20.649	ng	98
47) 2-Nitroaniline	9.37	65	143497	20.699	ng	87
48) Acenaphthylene	9.69	152	667996	21.122	ng	100
49) Dimethylphthalate	9.55	163	496992	20.914	ng	99
50) 2,6-Dinitrotoluene	9.61	165	109219	20.876	ng	# 90
51) Acenaphthene	9.86	154	445989	21.302	ng	97
52) 3-Nitroaniline	9.78	138	125038	20.742	ng	97
53) 2,4-Dinitrophenol	9.89	184	59133	19.232	ng	# 27
54) Dibenzofuran	10.03	168	593823	21.114	ng	97
55) 4-Nitrophenol	9.95	139	93930	19.050	ng	97
56) 2,4-Dinitrotoluene	10.02	165	142517	20.939	ng	95
57) Fluorene	10.37	166	460738	21.649	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.15	232	114743	20.239	ng	97
59) Diethylphthalate	10.25	149	490505	20.691	ng	97
60) 4-Chlorophenyl-phenylether	10.37	204	206697	20.970	ng	96
61) 4-Nitroaniline	10.40	138	125325	20.794	ng	96
62) Azobenzene	10.53	77	484761	20.894	ng	96
64) 4,6-Dinitro-2-methylphenol	10.42	198	72317	20.718	ng	92
65) n-Nitrosodiphenylamine	10.49	169	412516	21.132	ng	100
66) 4-Bromophenyl-phenylether	10.86	248	132427	20.450	ng	91
67) Hexachlorobenzene	10.92	284	154482	20.871	ng	# 84
68) Atrazine	11.02	200	129429	20.860	ng	97
69) Pentachlorophenol	11.12	266	85420	19.127	ng	98
70) Phenanthrene	11.34	178	677178	20.641	ng	99
71) Anthracene	11.39	178	733794	21.608	ng	99
72) Carbazole	11.54	167	641458	21.581	ng	99
73) Di-n-butylphthalate	11.87	149	778746	21.218	ng	99
74) Fluoranthene	12.53	202	716140	21.959	ng	98
76) Benzidine	12.66	184	401892	19.233	ng	98
77) Pyrene	12.76	202	731122	18.237	ng	99
79) Butylbenzylphthalate	13.39	149	333776	18.900	ng	99
80) Benzo(a)anthracene	13.99	228	611067	20.146	ng	99
81) 3,3'-Dichlorobenzidine	13.96	252	241734	20.711	ng	98
82) Chrysene	14.03	228	615628	20.599	ng	100
83) Bis(2-ethylhexyl)phthalate	13.99	149	439714	20.563	ng	98
84) Di-n-octyl phthalate	14.67	149	788503	22.449	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	640851	23.551	ng	98
87) Benzo(b)fluoranthene	15.13	252	618583	19.558	ng	99
88) Benzo(k)fluoranthene	15.16	252	629235	20.573	ng	97
89) Benzo(a)pyrene	15.49	252	608450	20.660	ng	99
90) Dibenzo(a,h)anthracene	17.02	278	560387	20.291	ng	97
91) Benzo(g,h,i)perylene	17.44	276	529920	19.964	ng	96

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