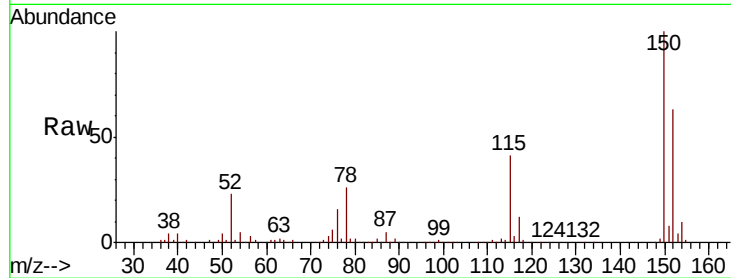


#1

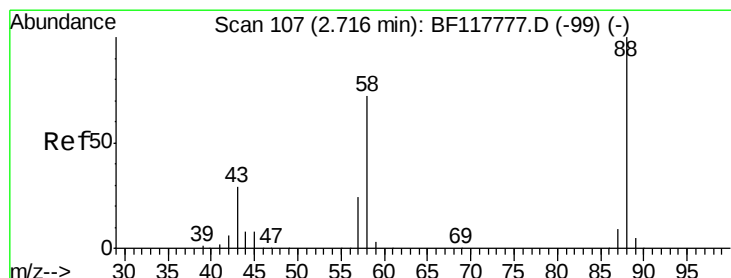
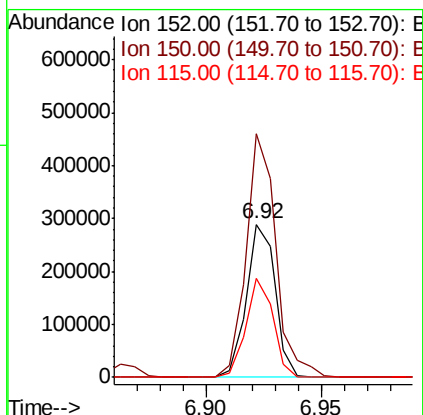
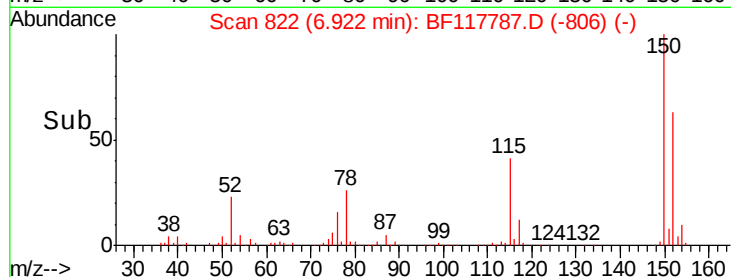
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:152 Resp: 252676
Ion Ratio Lower Upper
152 100
150 158.9 125.3 187.9
115 64.4 47.0 70.4



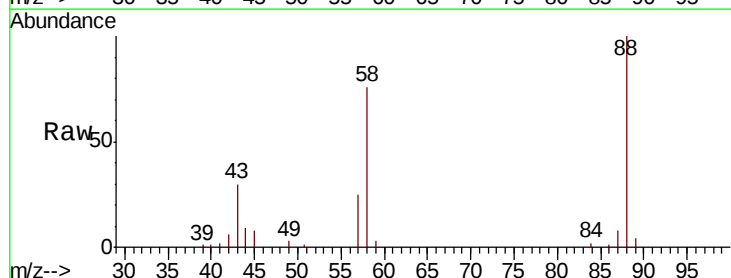
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



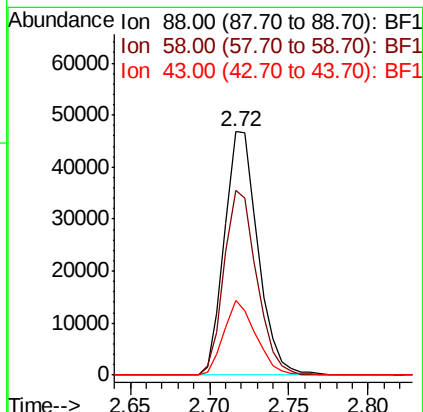
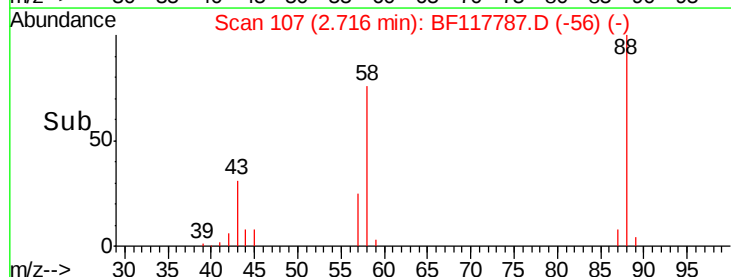
#2

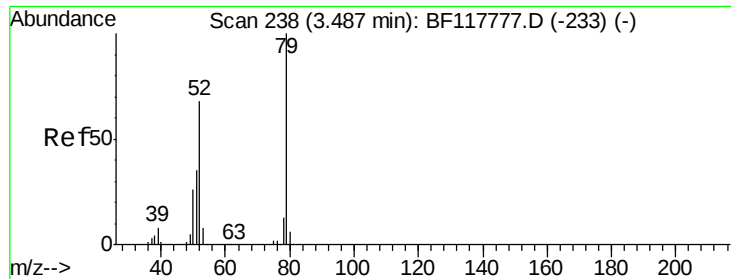
1,4-Dioxane
Concen: 10.283 ng
RT: 2.72 min Scan# 107
Delta R.T. 0.00 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion: 88 Resp: 68614
Ion Ratio Lower Upper
88 100
58 73.8 58.2 87.2
43 29.5 23.3 34.9



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





#3

Pvridine

Concen: 9.439 ng

RT: 3.52 min Scan# 243

Delta R.T. 0.03 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

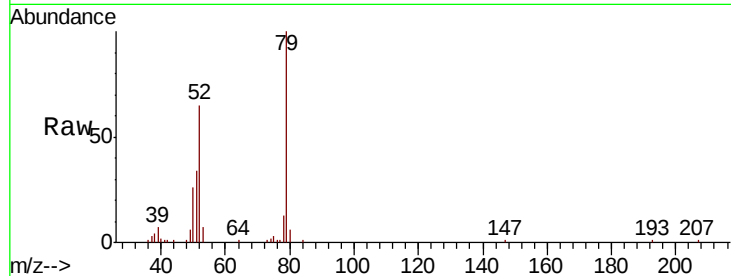
Tot Ion: 79 Resp: 165212

Ion Ratio Lower Upper

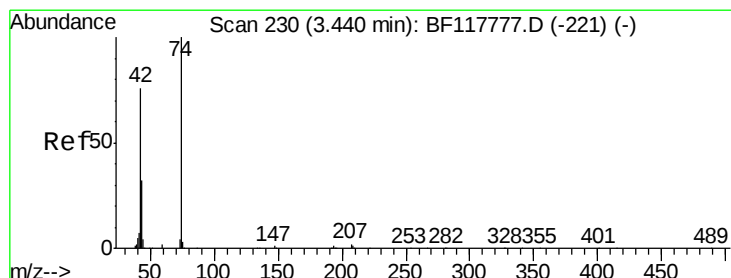
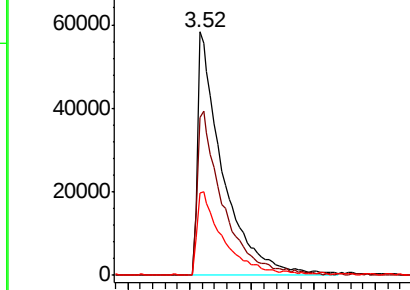
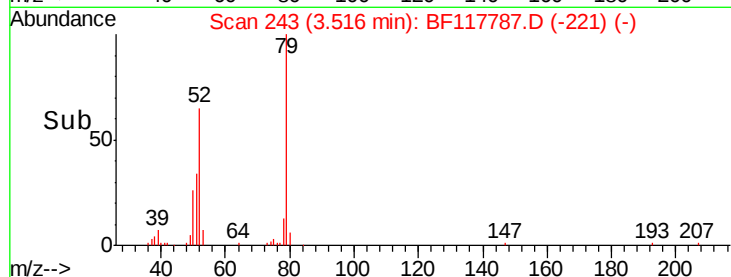
79 100

52 65.1 54.8 82.2

51 33.8 28.2 42.4



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 10.591 ng

RT: 3.42 min Scan# 226

Delta R.T. -0.02 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

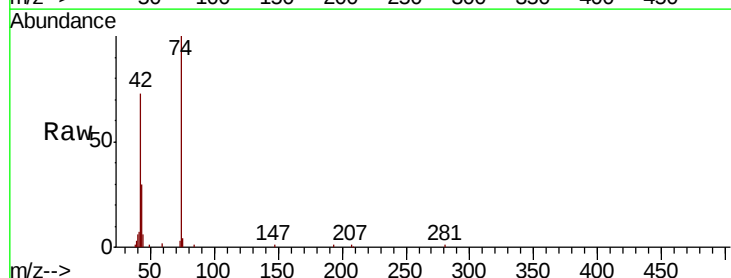
Tgt Ion: 42 Resp: 80918

Ion Ratio Lower Upper

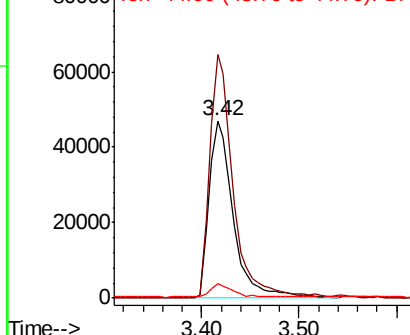
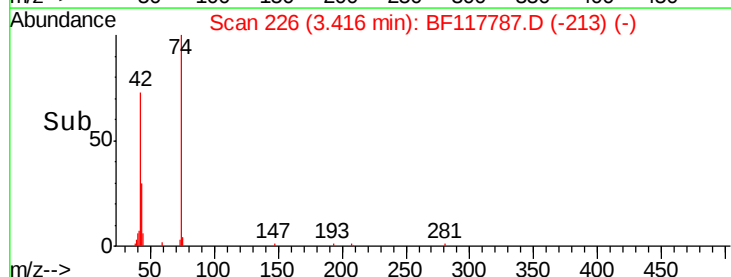
42 100

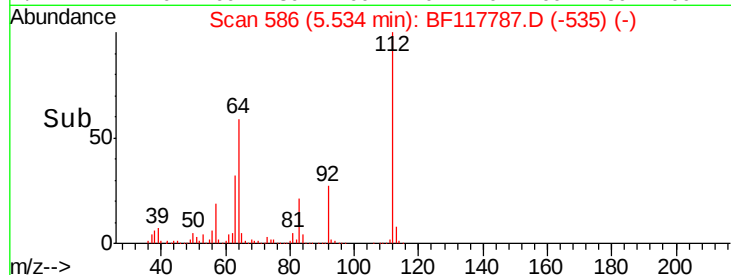
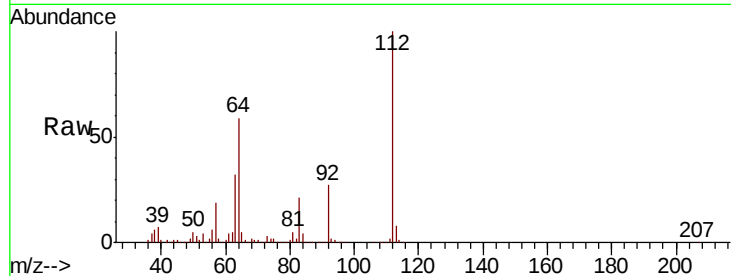
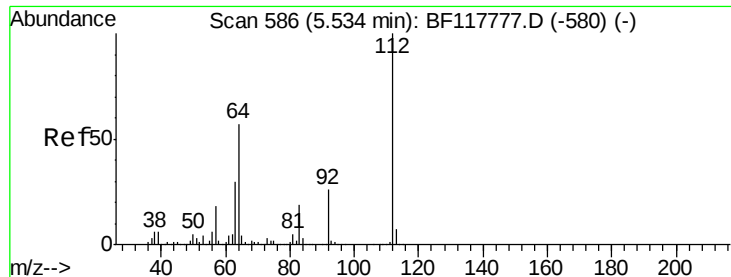
74 137.5 105.1 157.7

44 8.3 4.6 7.0#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 134.322 ng

RT: 5.53 min Scan# 586

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

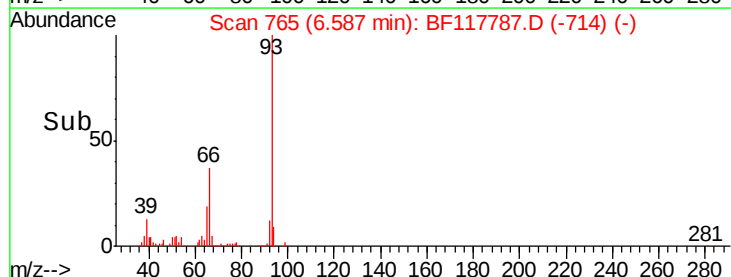
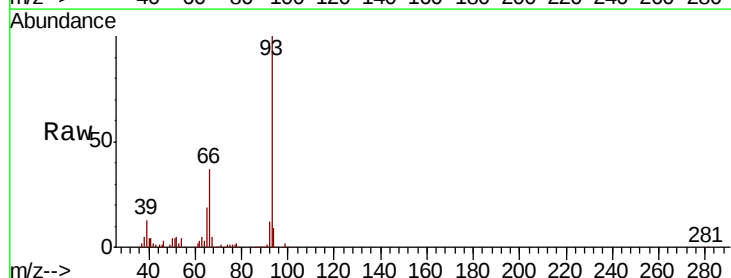
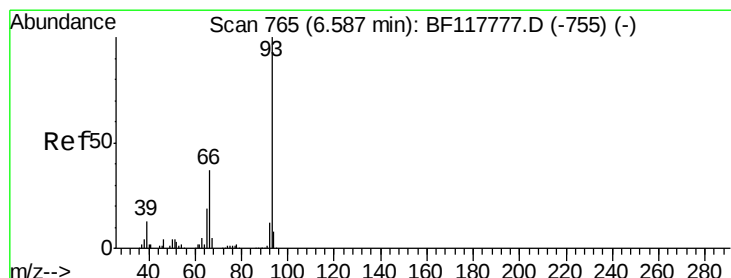
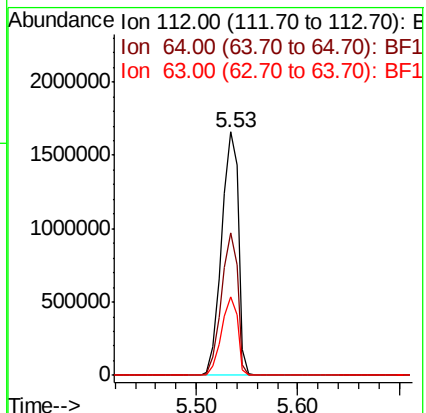
Tot Ion:112 Resp: 1917403

Ion Ratio Lower Upper

112 100

64 58.6 45.6 68.4

63 32.1 24.1 36.1



#6

Aniline

Concen: 11.690 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

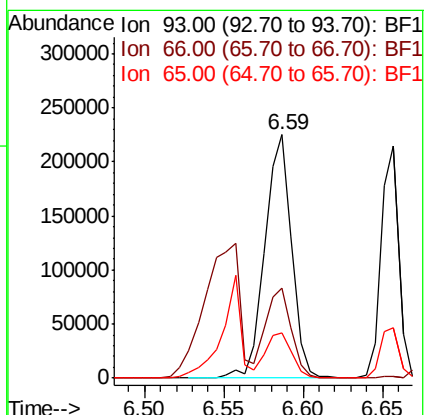
Tgt Ion: 93 Resp: 265982

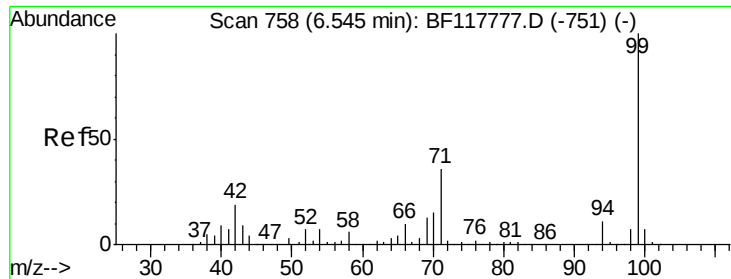
Ion Ratio Lower Upper

93 100

66 37.2 30.6 45.8

65 18.6 15.6 23.4





#7

Phenol-d6

Concen: 134.504 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

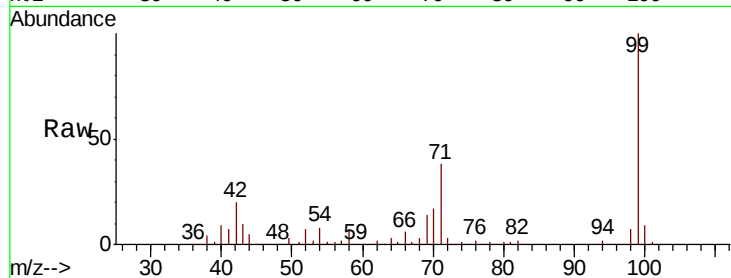
Tot Ion: 99 Resp: 2315823

Ion Ratio Lower Upper

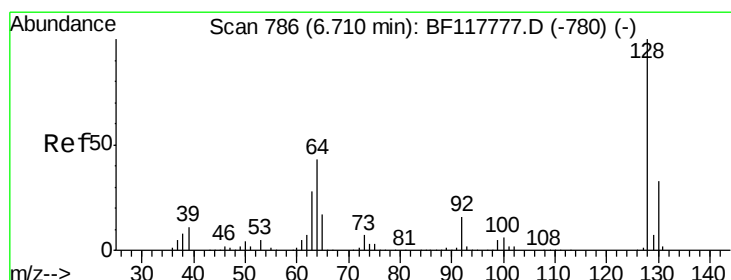
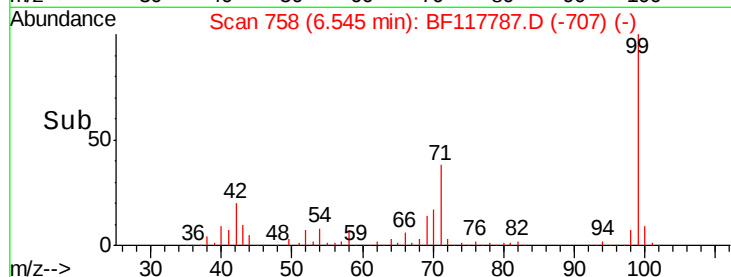
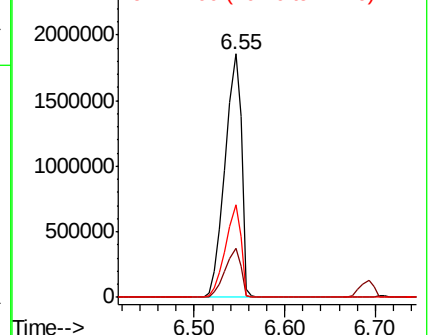
99 100

42 20.1 14.9 22.3

71 37.8 28.6 43.0



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: 11.601 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

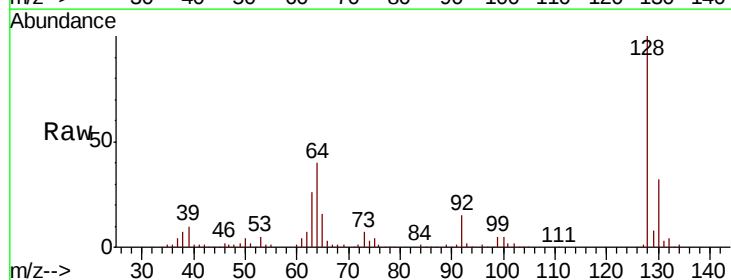
Tgt Ion:128 Resp: 179698

Ion Ratio Lower Upper

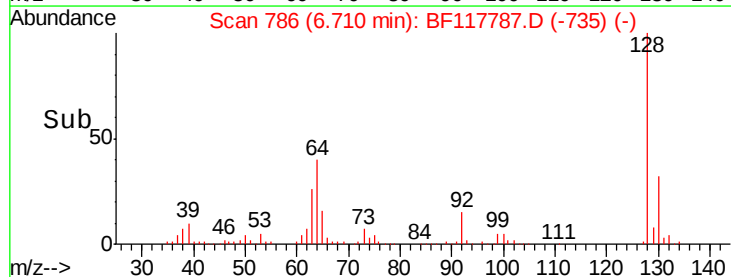
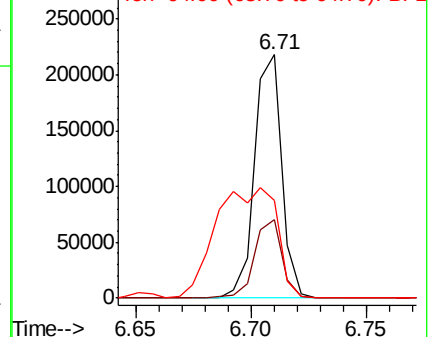
128 100

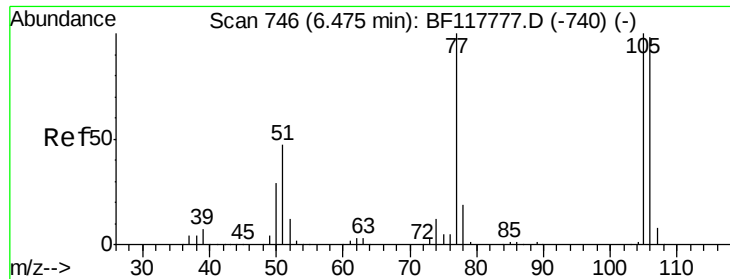
130 32.5 13.2 53.2

64 40.0 23.7 63.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 13.881 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

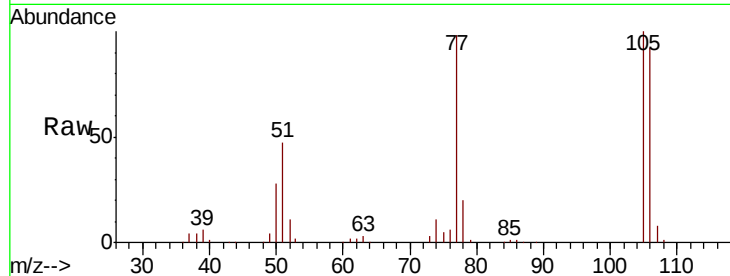
Tot Ion: 77 Resp: 149292

Ion Ratio Lower Upper

77 100

105 102.1 80.2 120.2

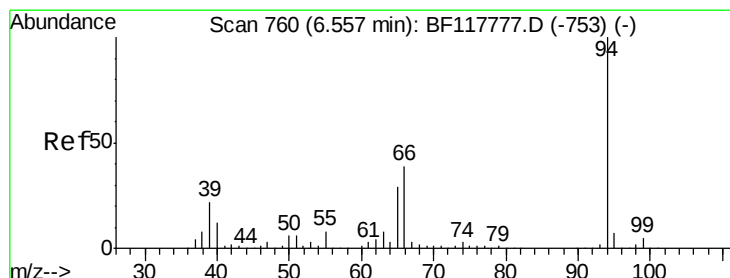
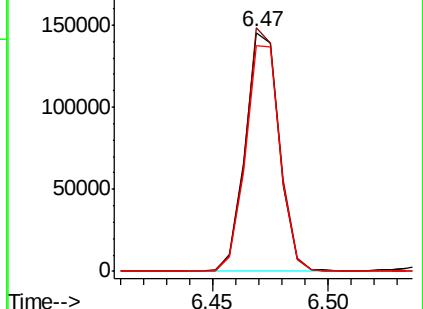
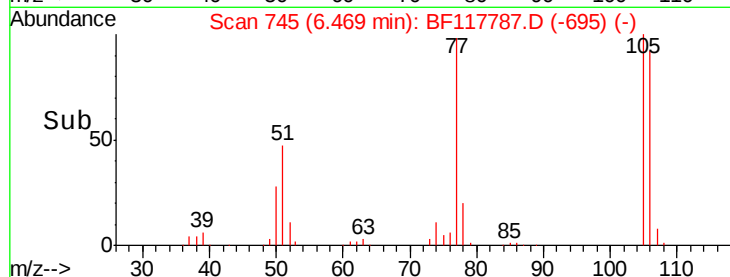
106 94.4 78.4 118.4



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: 11.415 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

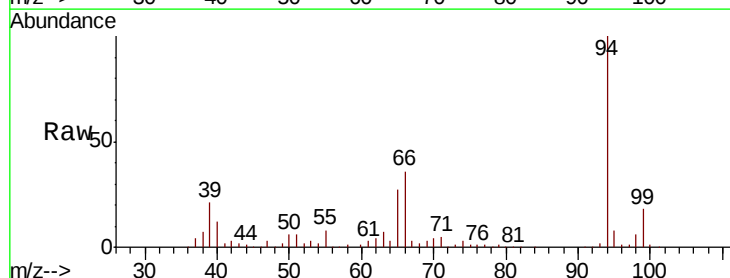
Tgt Ion: 94 Resp: 204223

Ion Ratio Lower Upper

94 100

65 27.2 8.9 48.9

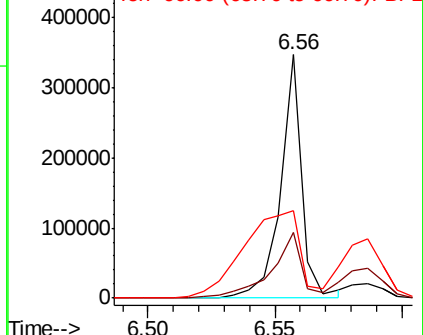
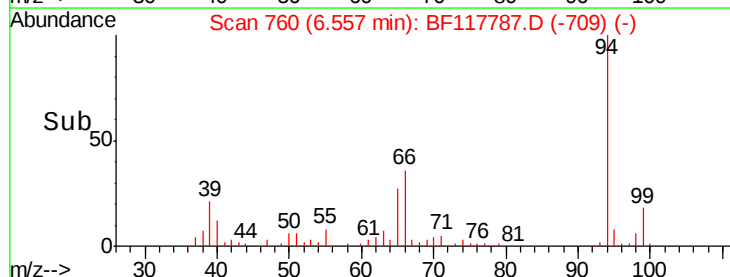
66 35.8 18.7 58.7

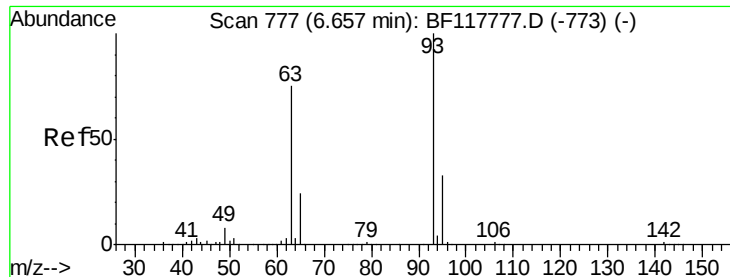


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 11.460 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

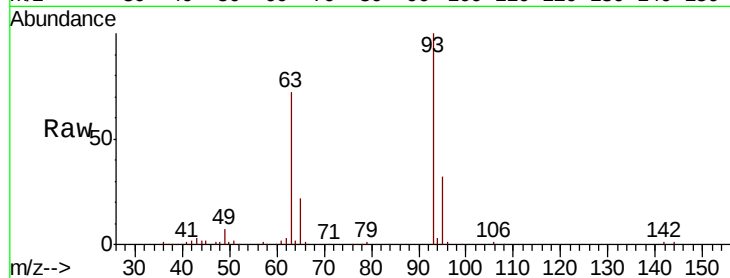
Tot Ion: 93 Resp: 164653

Ion Ratio Lower Upper

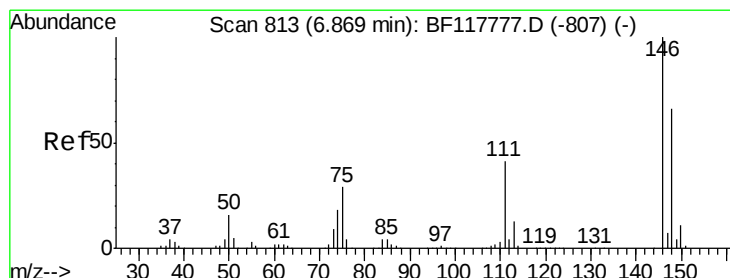
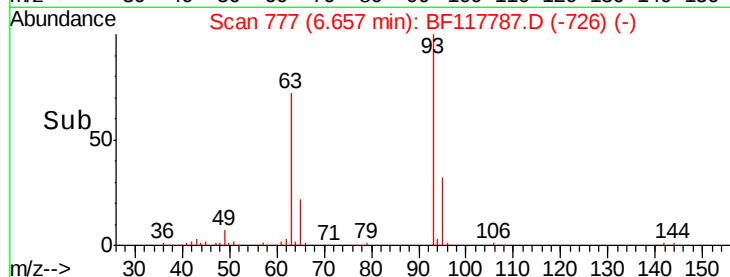
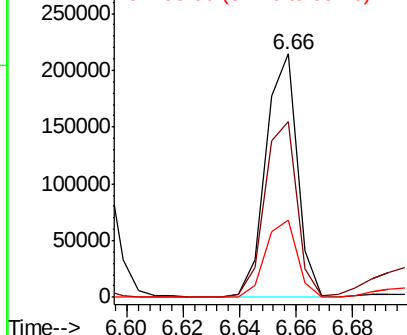
93 100

63 72.3 54.8 94.8

95 31.7 12.7 52.7



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 11.485 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

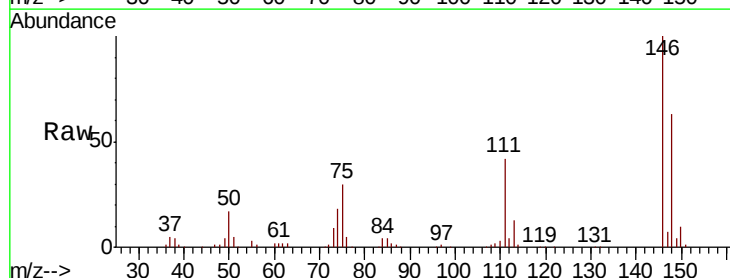
Tgt Ion: 146 Resp: 209442

Ion Ratio Lower Upper

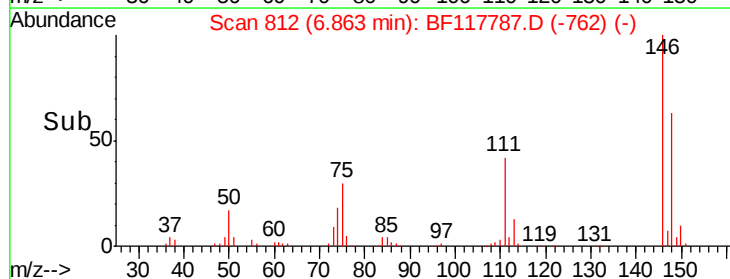
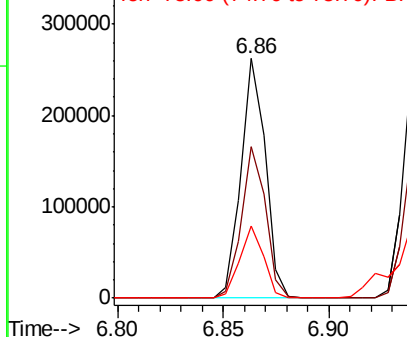
146 100

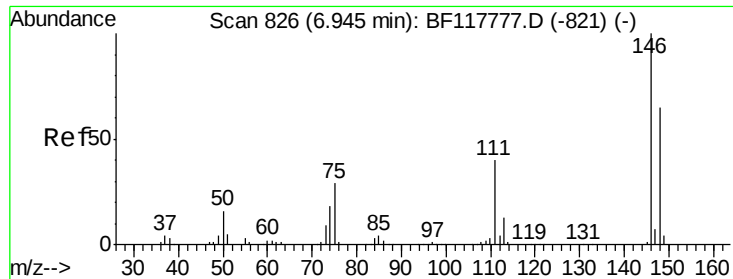
148 63.2 52.8 79.2

75 30.1 23.4 35.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

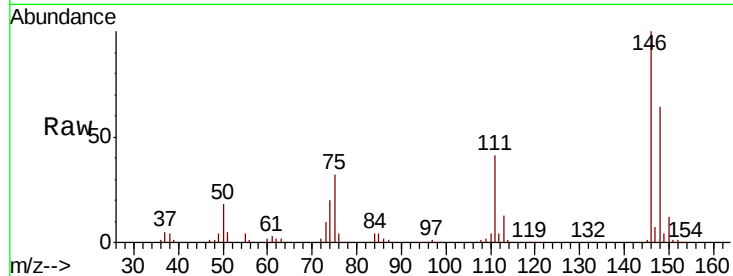




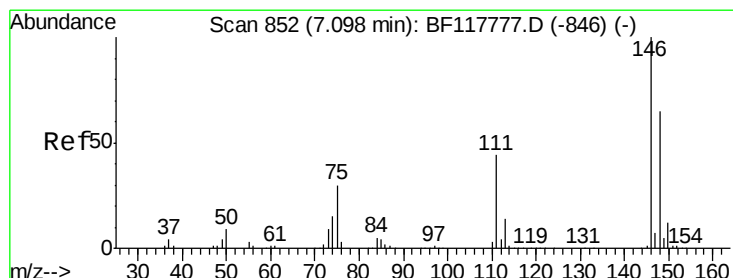
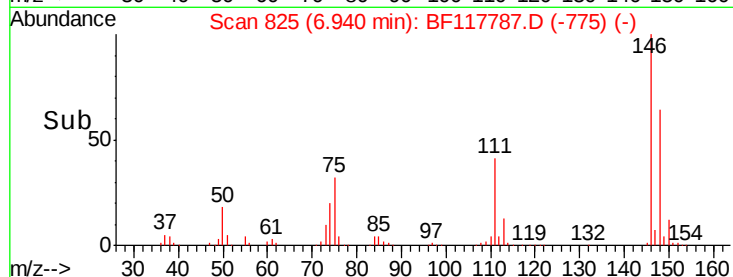
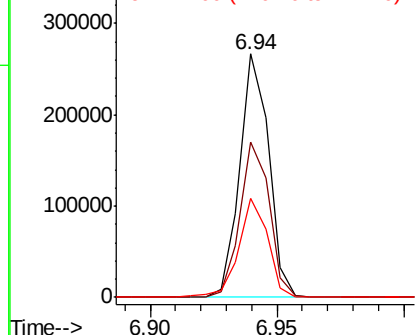
#13
 1,4-Dichlorobenzene
 Concen: 11.478 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion:146 Resp: 211571
 Ion Ratio Lower Upper
 146 100
 148 63.5 52.3 78.5
 111 40.6 32.2 48.4

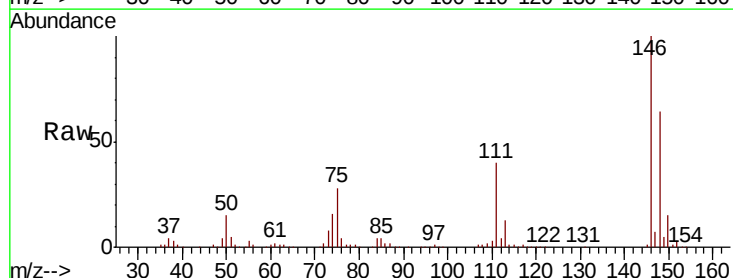


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

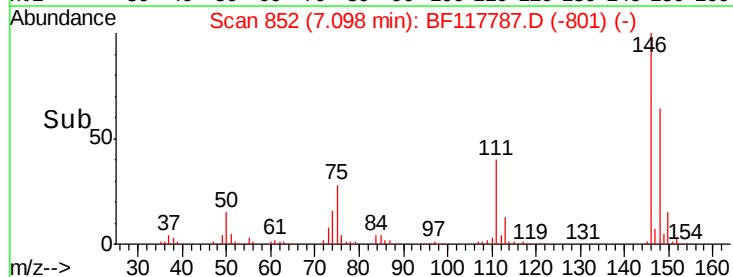
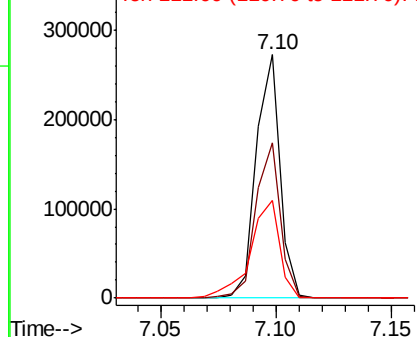


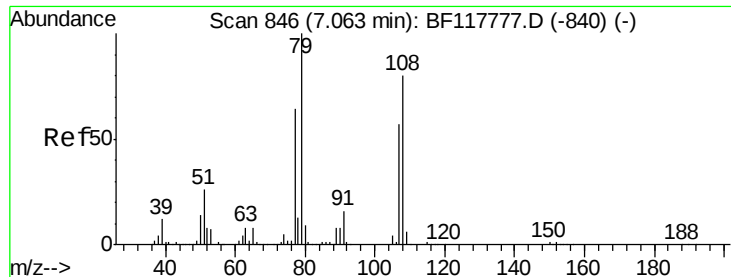
#14
 1,2-Dichlorobenzene
 Concen: 11.193 ng
 RT: 7.10 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

Tgt Ion:146 Resp: 197309
 Ion Ratio Lower Upper
 146 100
 148 63.9 51.8 77.8
 111 40.1 35.0 52.6



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





#15

Benzyl Alcohol

Concen: 10.406 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

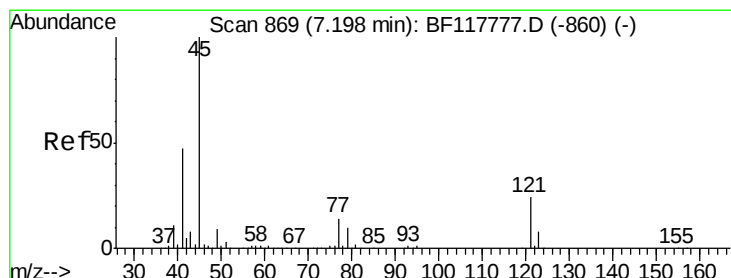
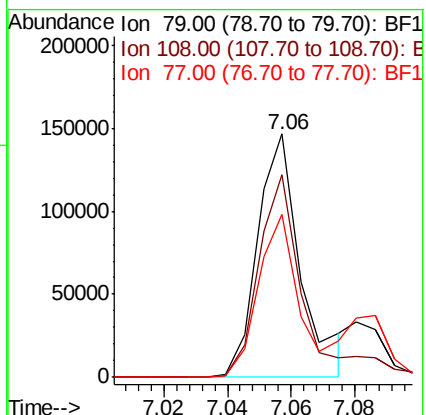
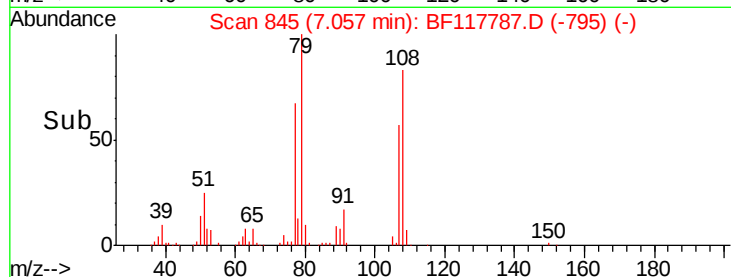
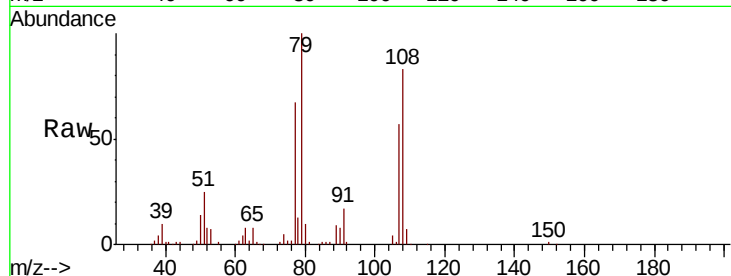
Tot Ion: 79 Resp: 138320

Ion Ratio Lower Upper

79 100

108 83.2 64.1 96.1

77 67.0 51.3 76.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 10.872 ng

RT: 7.20 min Scan# 869

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

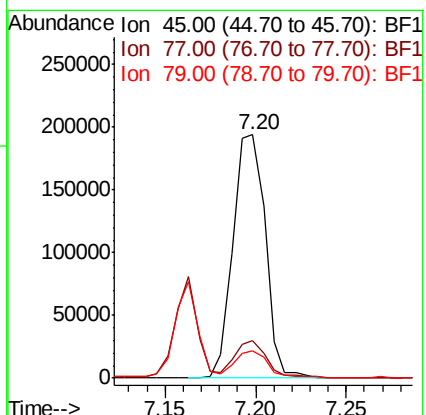
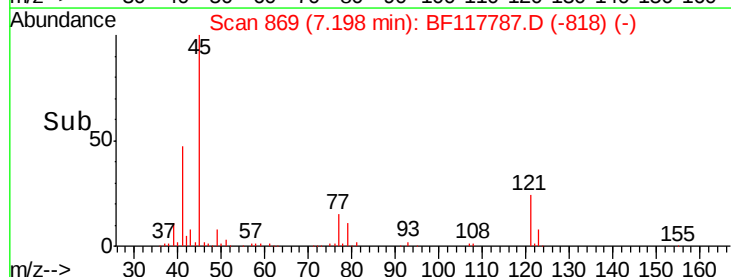
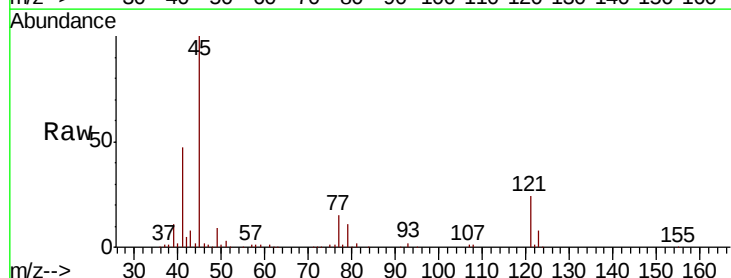
Tgt Ion: 45 Resp: 240505

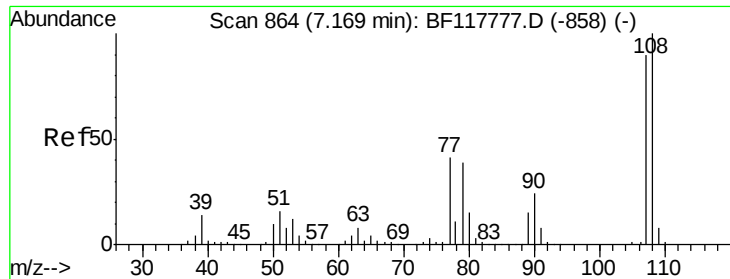
Ion Ratio Lower Upper

45 100

77 15.3 0.0 35.0

79 11.3 0.0 31.1

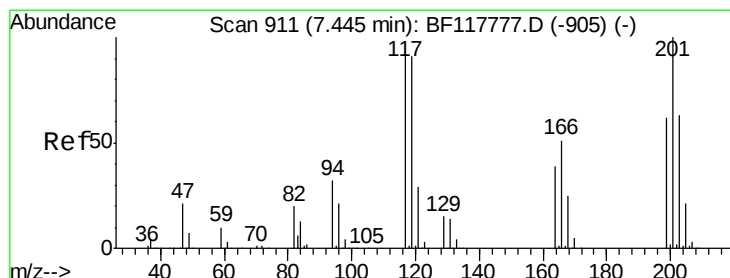
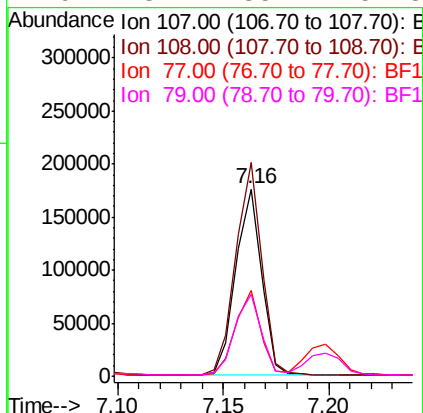
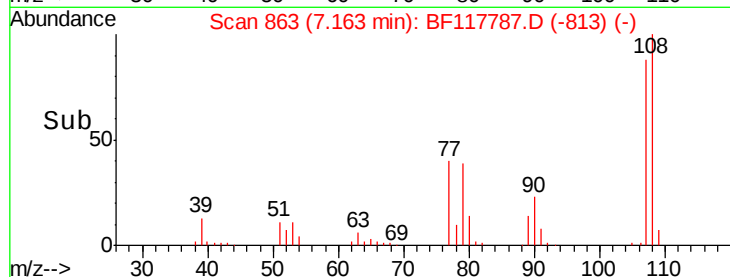
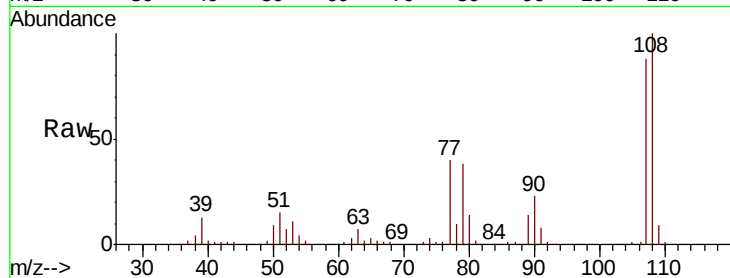




#17
2-Methylphenol
Concen: 11.414 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

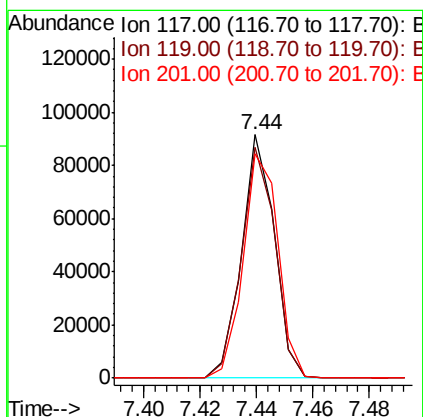
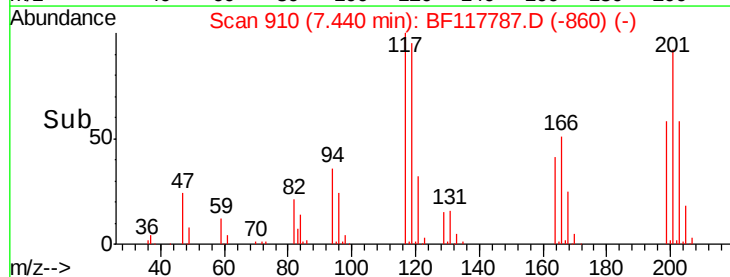
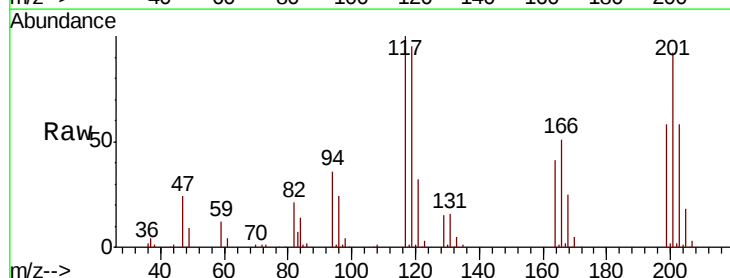
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

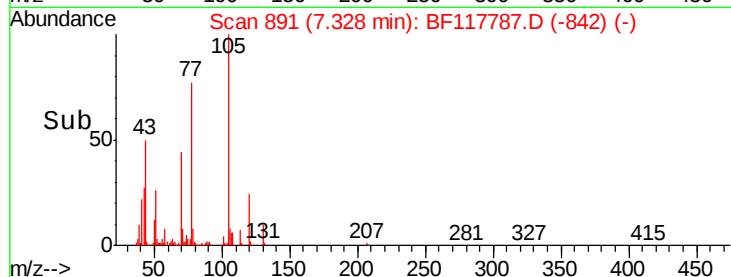
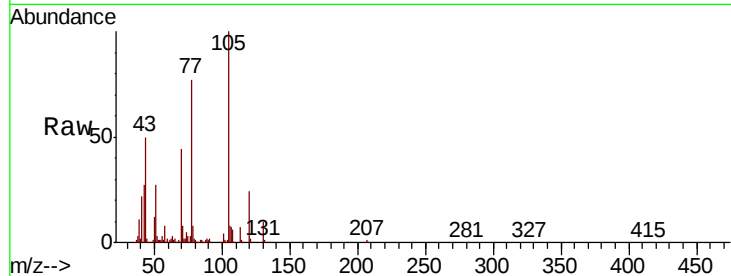
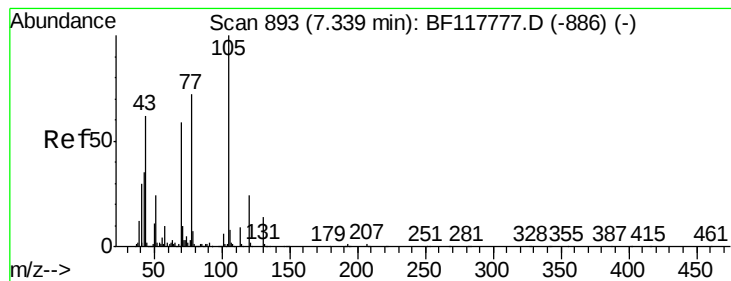
Tot Ion:107 Resp: 149715
Ion Ratio Lower Upper
107 100
108 113.9 89.1 133.7
77 45.6 36.6 54.8
79 43.7 35.2 52.8



#18
Hexachloroethane
Concen: 10.864 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:117 Resp: 73566
Ion Ratio Lower Upper
117 100
119 94.7 78.7 118.1
201 92.4 86.5 129.7





#19

n-Nitroso-di-n-propylamine

Concen: 11.668 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 70 Resp: 123937

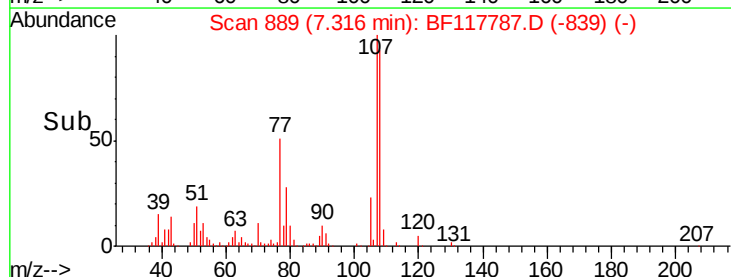
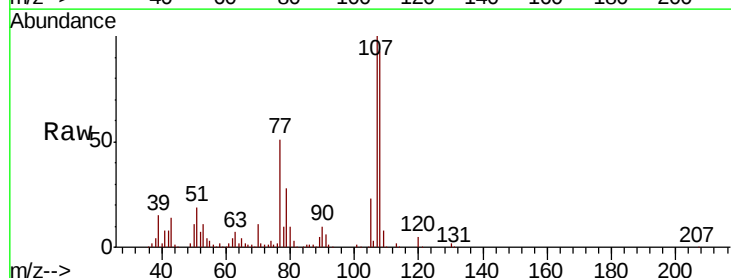
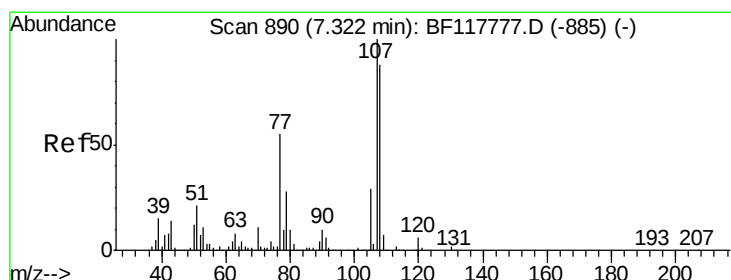
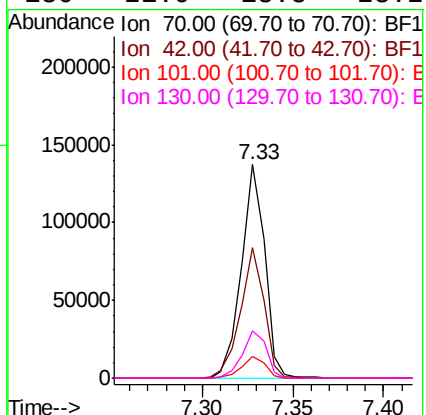
Ion Ratio Lower Upper

70 100

42 60.9 47.4 71.2

101 9.9 8.4 12.6

130 21.9 18.8 28.2



#20

3+4-Methylphenols

Concen: 11.757 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Tgt Ion:107 Resp: 191428

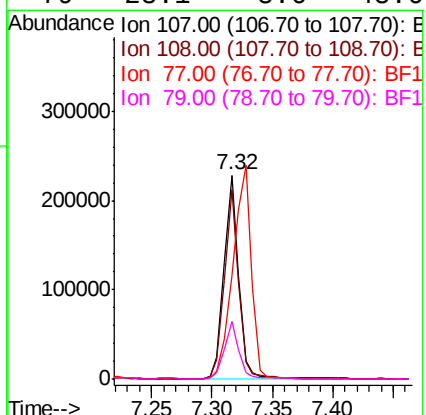
Ion Ratio Lower Upper

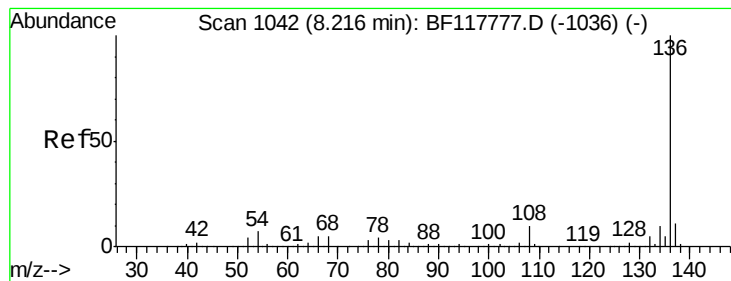
107 100

108 92.8 68.4 108.4

77 50.8 35.2 75.2

79 28.1 8.6 48.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:136 Resp: 992977

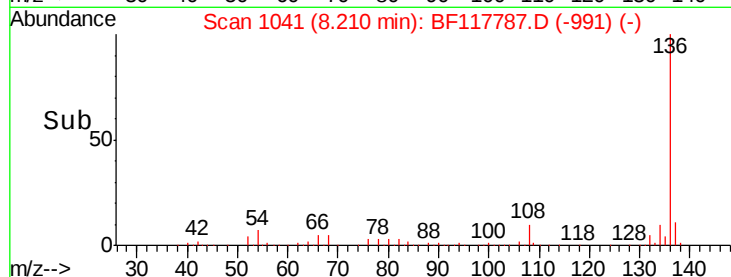
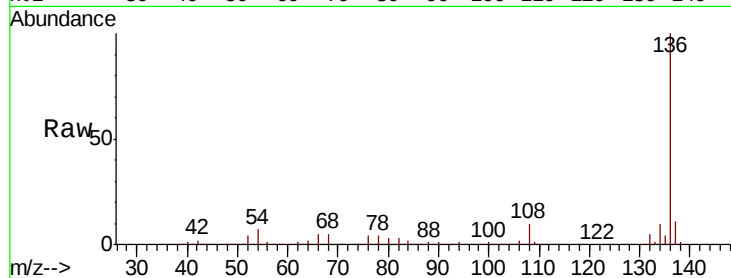
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.4 5.4 8.2

68 5.5 4.3 6.5

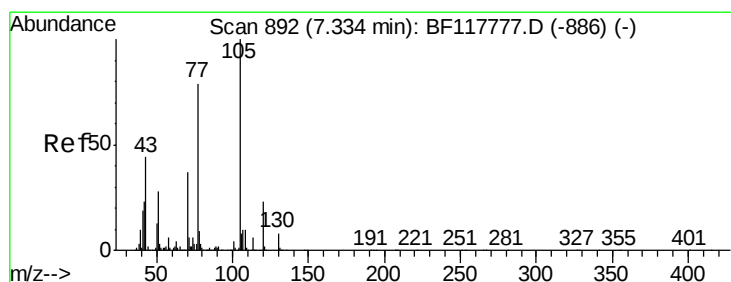
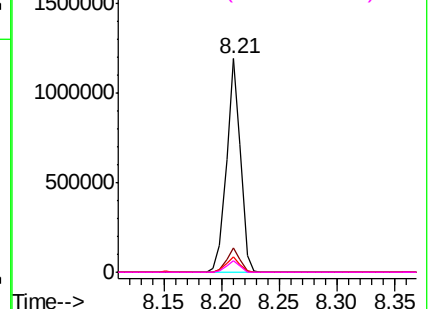


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.656 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Tgt Ion:105 Resp: 260032

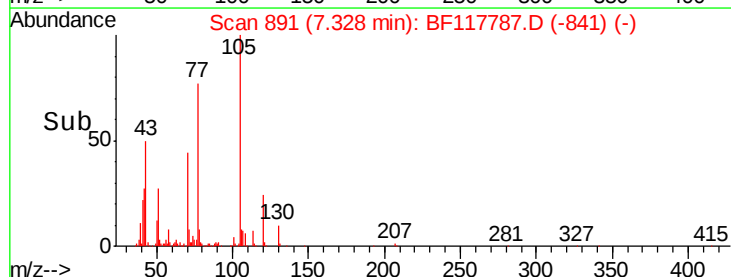
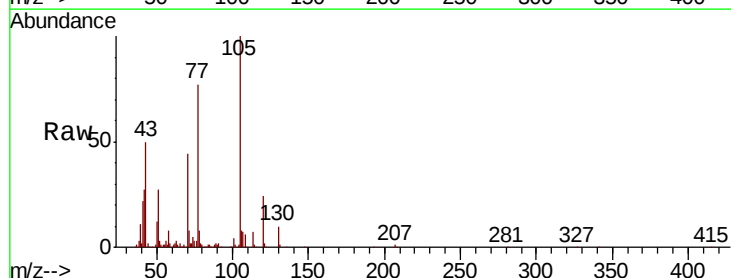
Ion Ratio Lower Upper

105 100

71 7.5 4.9 7.3#

51 26.6 22.7 34.1

120 23.9 18.5 27.7

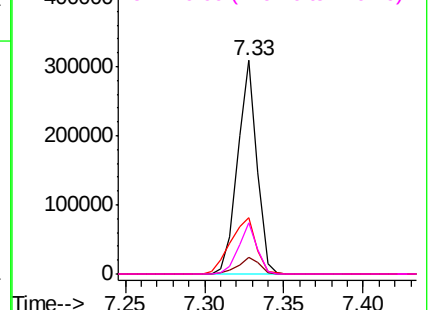


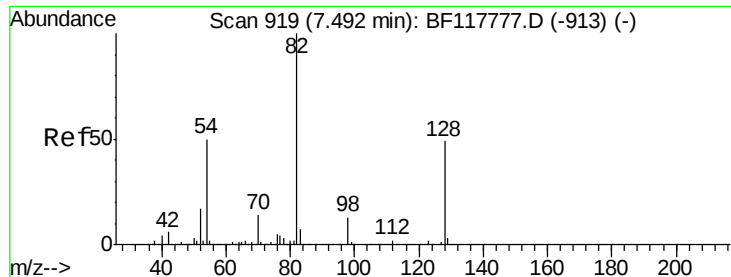
Abundance Ion 105.00 (104.70 to 105.70): E

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: 100.423 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

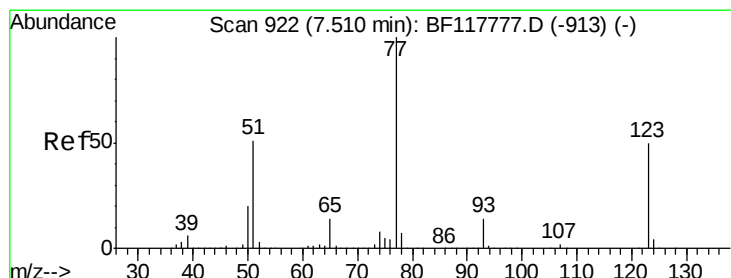
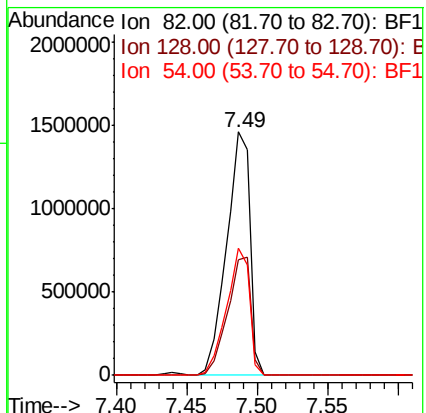
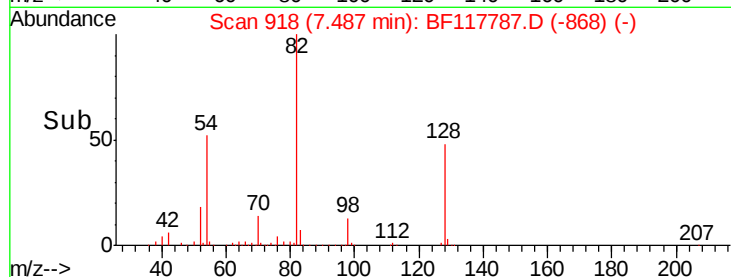
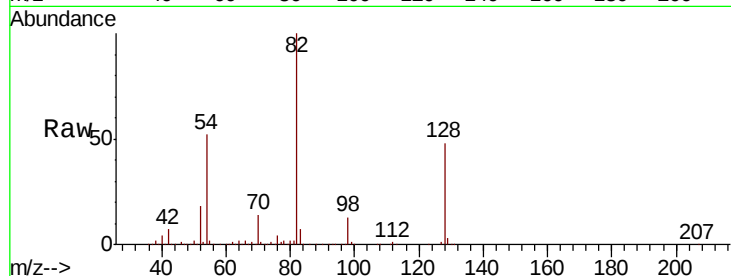
Tot Ion: 82 Resp: 1677454

Ion Ratio Lower Upper

82 100

128 47.7 38.9 58.3

54 52.0 39.8 59.6



#24

Nitrobenzene

Concen: 11.305 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

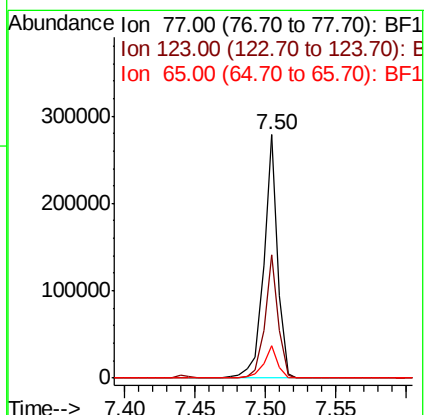
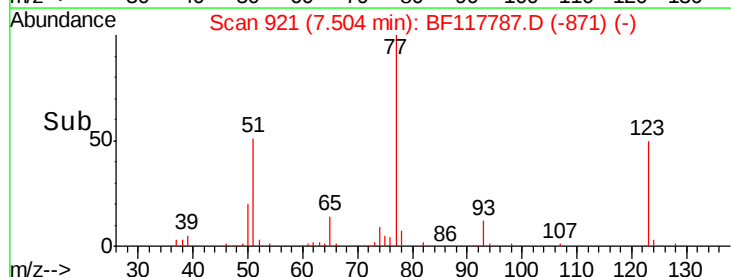
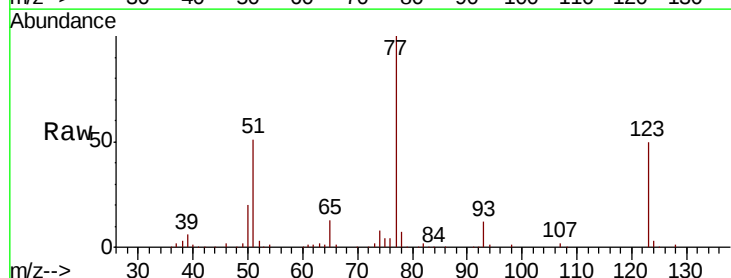
Tgt Ion: 77 Resp: 194818

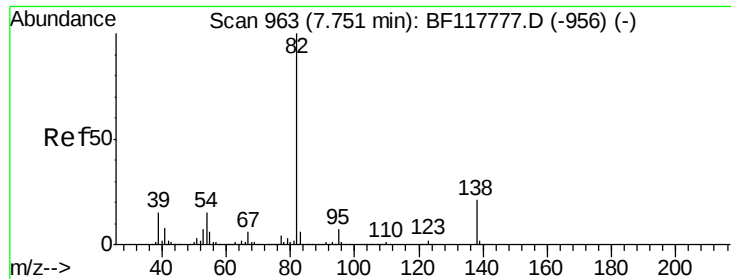
Ion Ratio Lower Upper

77 100

123 50.4 40.3 60.5

65 13.3 10.9 16.3





#25

Isophorone

Concen: 11.025 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

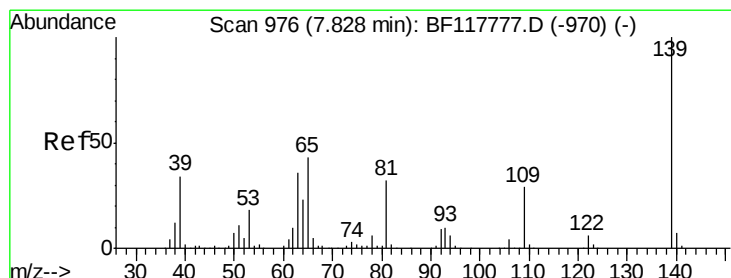
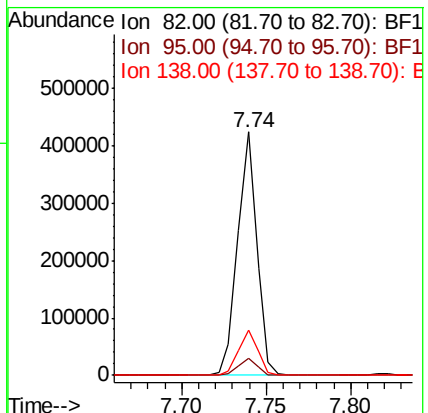
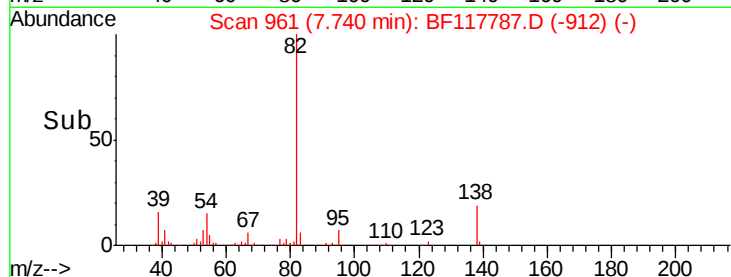
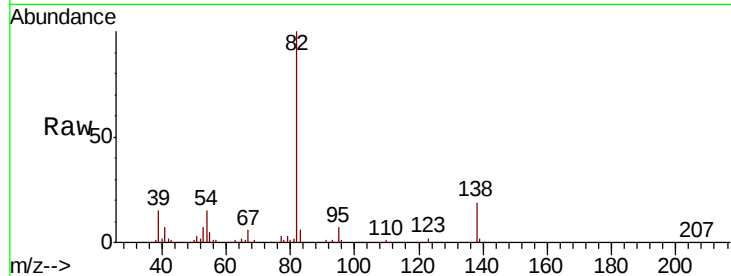
Tot Ion: 82 Resp: 337542

Ion Ratio Lower Upper

82 100

95 7.2 5.8 8.8

138 18.6 16.5 24.7



#26

2-Nitrophenol

Concen: 10.615 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

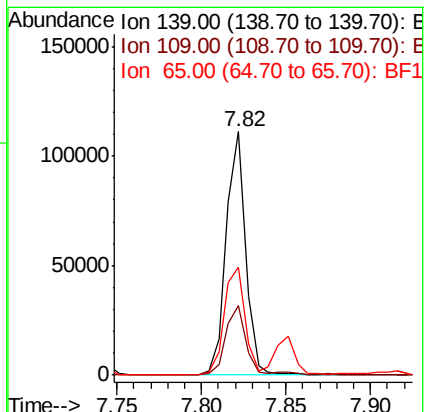
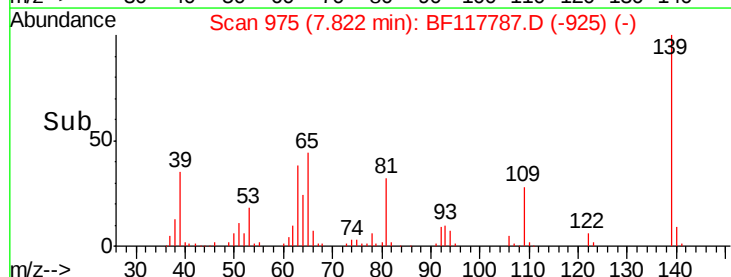
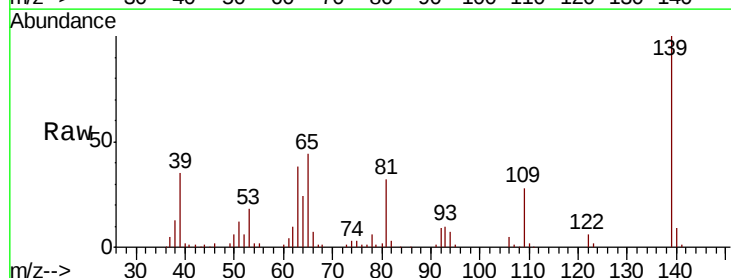
Tgt Ion: 139 Resp: 89031

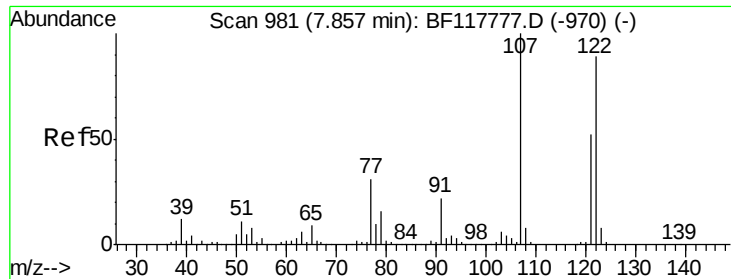
Ion Ratio Lower Upper

139 100

109 28.4 23.0 34.4

65 44.3 34.7 52.1

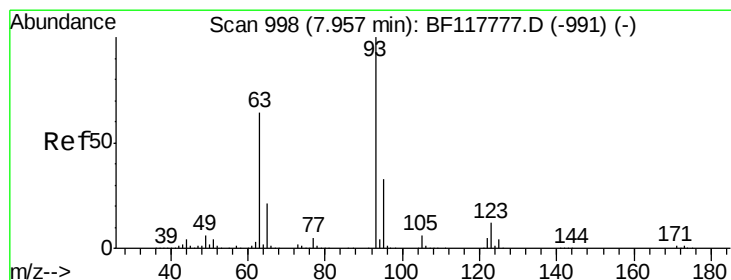
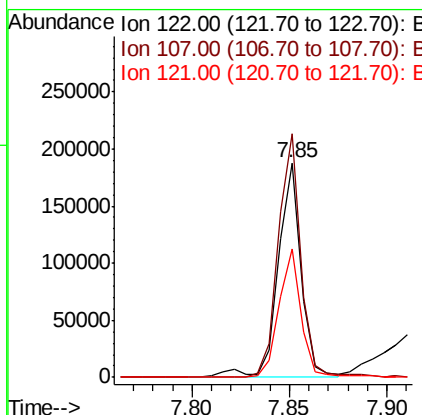
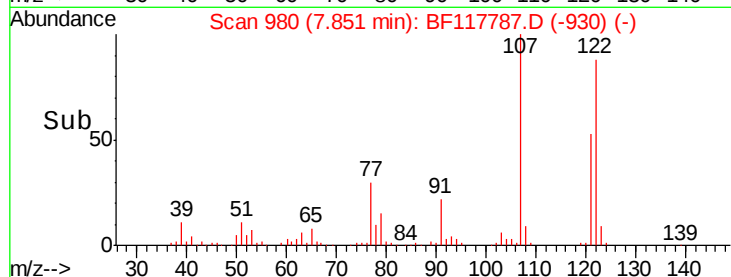
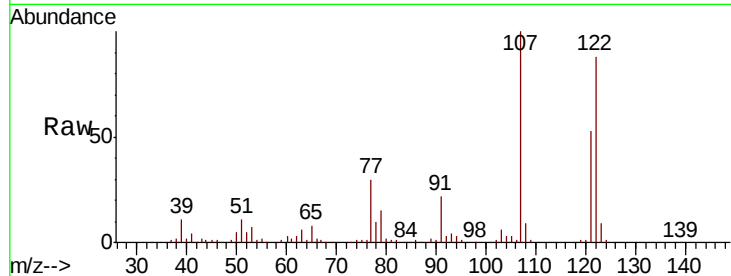




#27
2,4-Dimethylphenol
Concen: 11.762 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

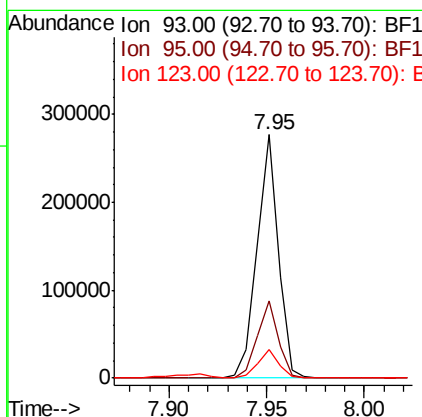
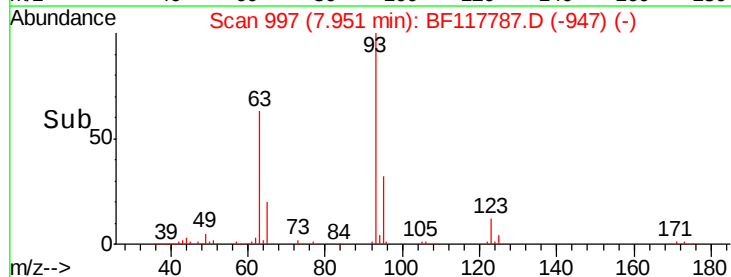
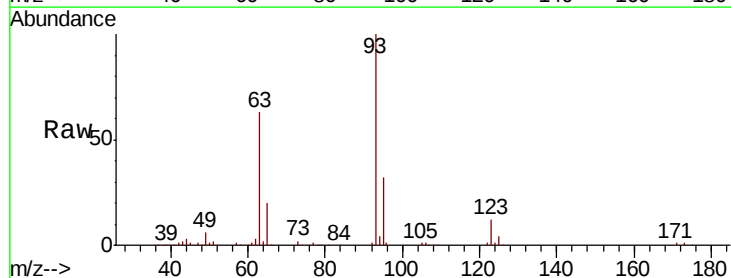
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

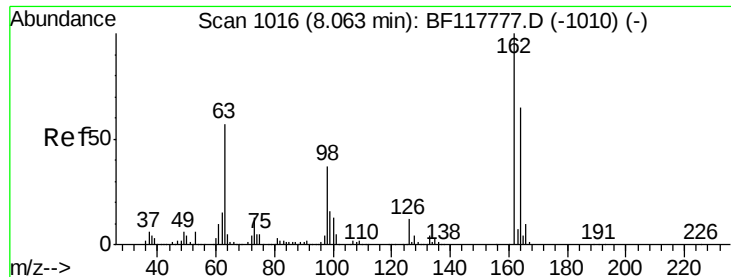
Tot Ion:122 Resp: 153292
Ion Ratio Lower Upper
122 100
107 113.6 90.0 135.0
121 59.8 46.7 70.1



#28
bis(2-Chloroethoxy)methane
Concen: 10.805 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion: 93 Resp: 209923
Ion Ratio Lower Upper
93 100
95 31.8 26.6 40.0
123 11.5 10.3 15.5

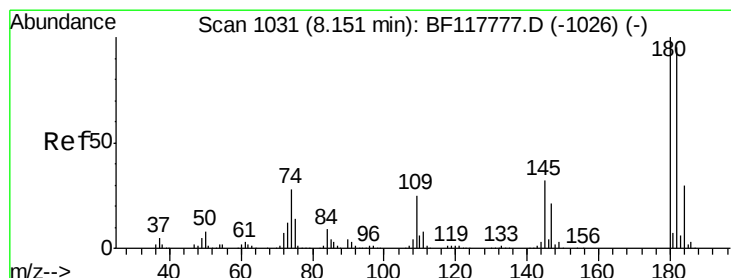
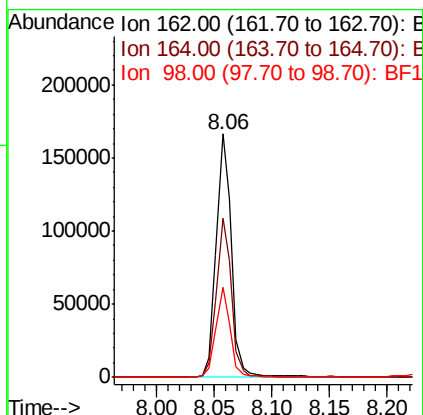
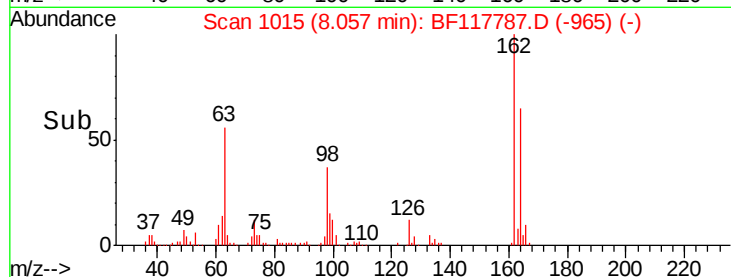
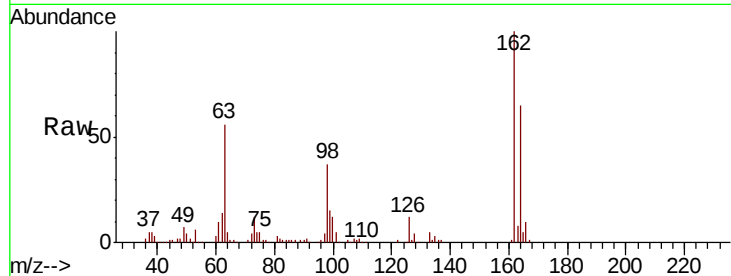




#29
 2,4-Dichlorophenol
 Concen: 10.795 ng
 RT: 8.06 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

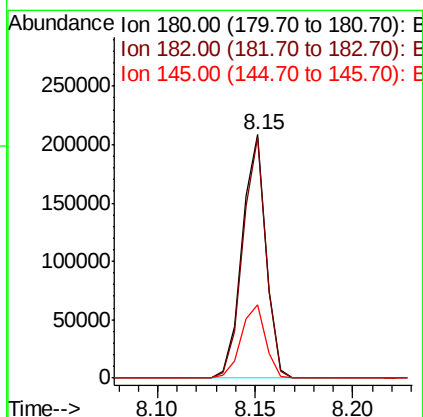
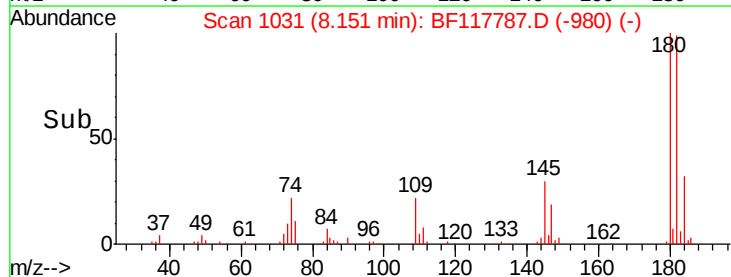
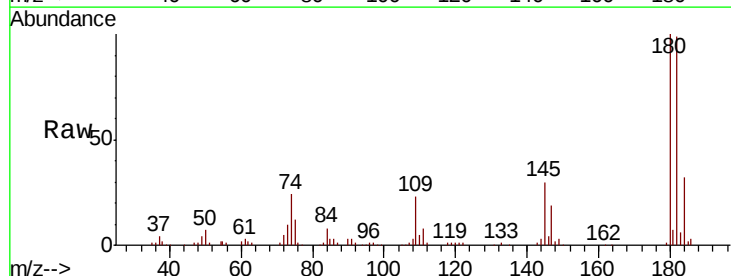
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

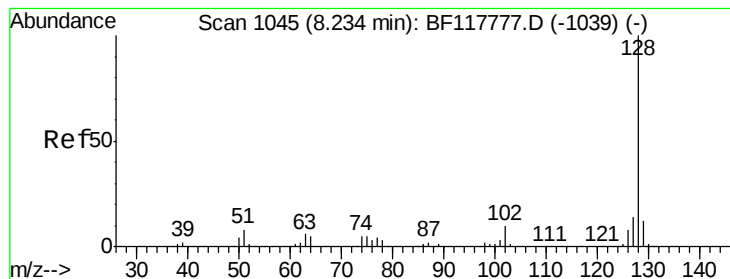
Tot Ion	Ratio	Lower	Upper
162	100		
164	65.4	45.1	85.1
98	36.9	17.2	57.2



#30
 1,2,4-Trichlorobenzene
 Concen: 10.706 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	75.8	113.6
145	30.2	25.5	38.3





#31

Naphthalene

Concen: 12.017 ng

RT: 8.23 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

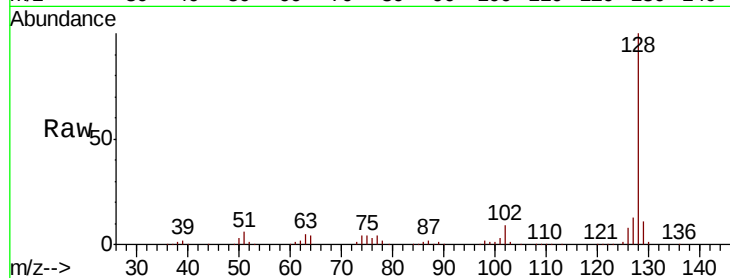
Tot Ion:128 Resp: 556275

Ion Ratio Lower Upper

128 100

129 10.7 9.5 14.3

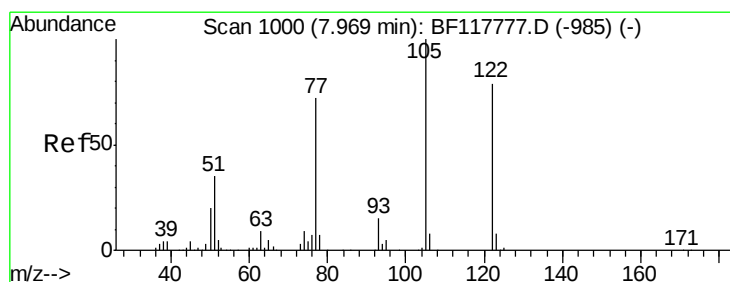
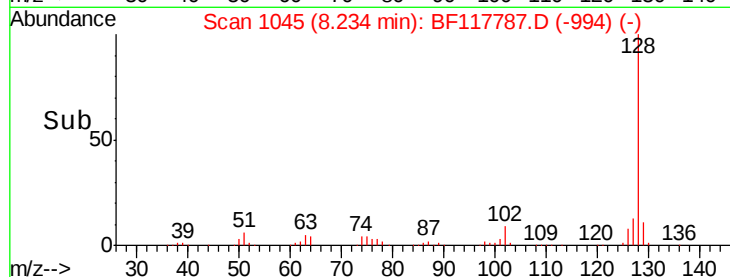
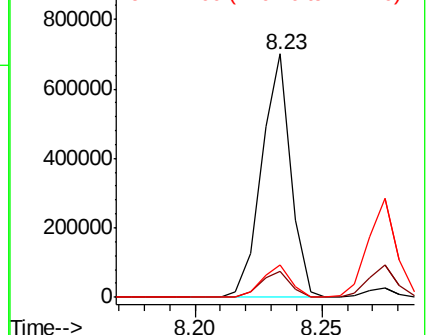
127 13.3 11.3 16.9



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: 6.993 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.05 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

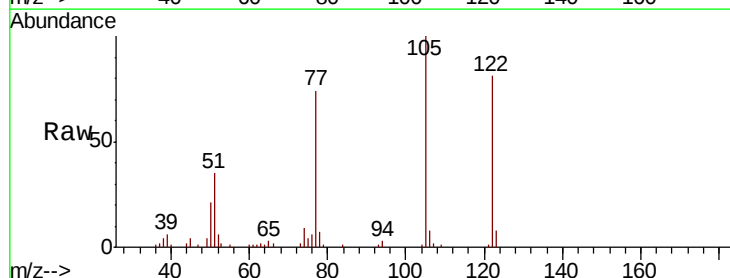
Tgt Ion:122 Resp: 76316

Ion Ratio Lower Upper

122 100

105 122.7 102.7 142.7

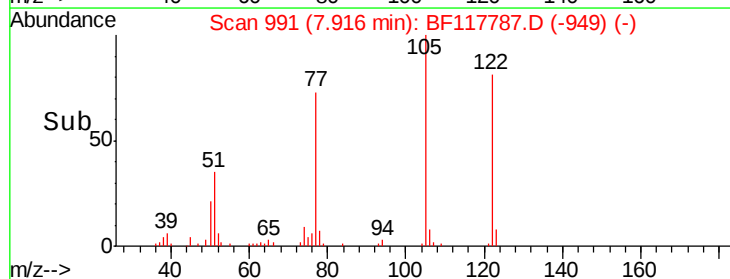
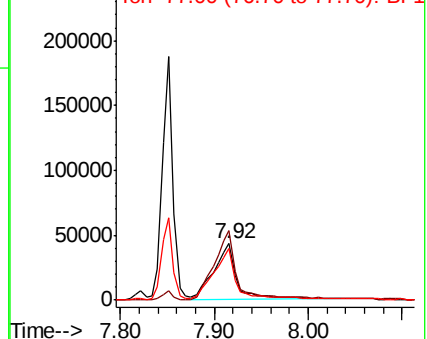
77 90.8 70.5 110.5

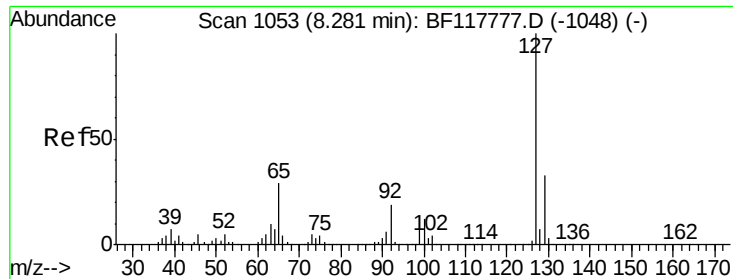


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

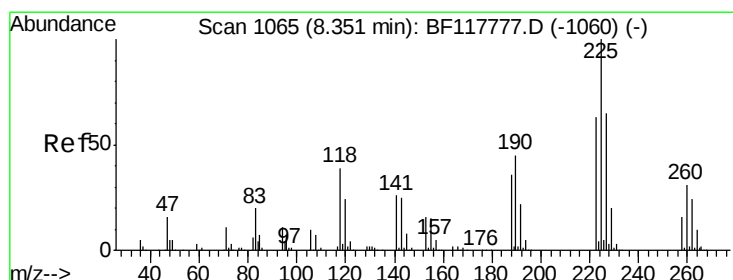
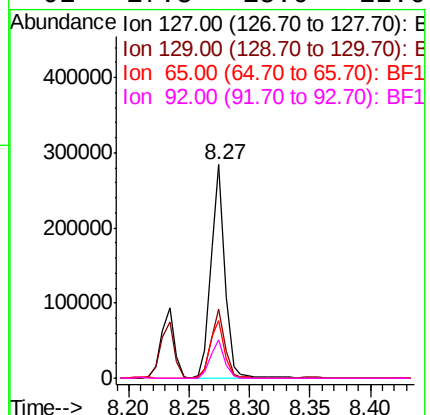
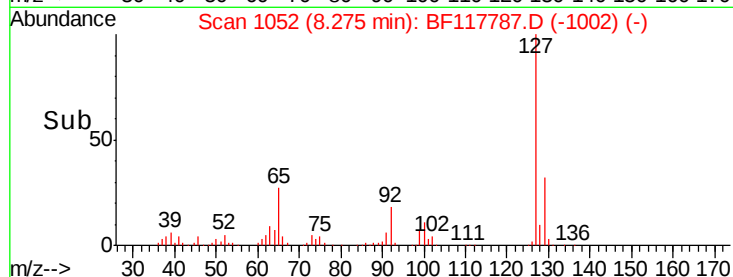
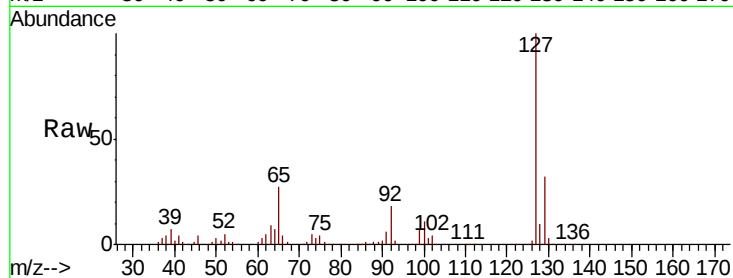




#33
4-Chloroaniline
Concen: 10.933 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

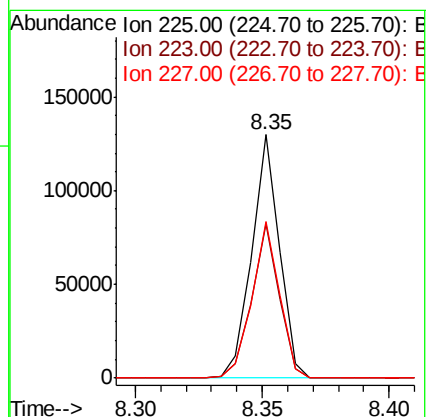
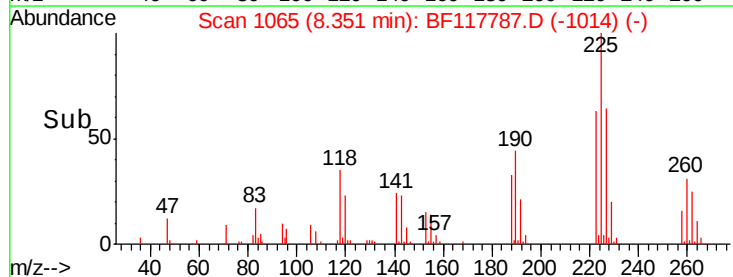
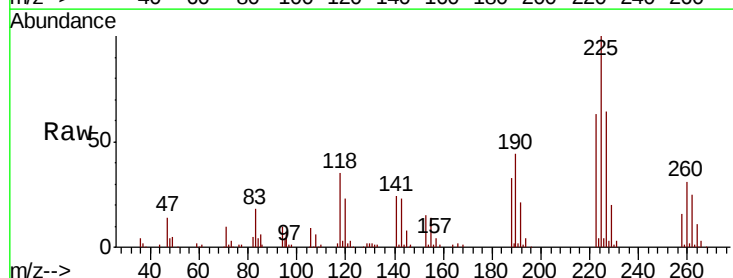
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

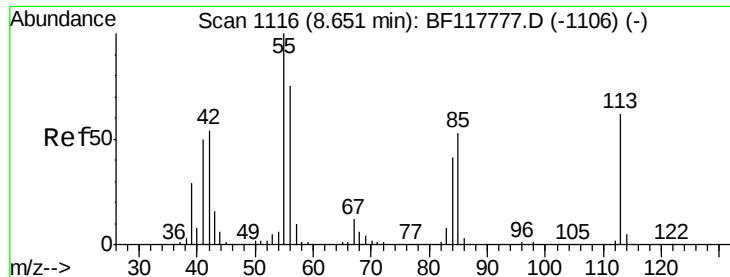
Tot Ion:	127	Resp:	226565
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.5	39.7
65	26.7	22.9	34.3
92	17.8	15.0	22.6



#34
Hexachlorobutadiene
Concen: 10.284 ng
RT: 8.35 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:	225	Resp:	98597
Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.0	75.0
227	64.1	51.8	77.6

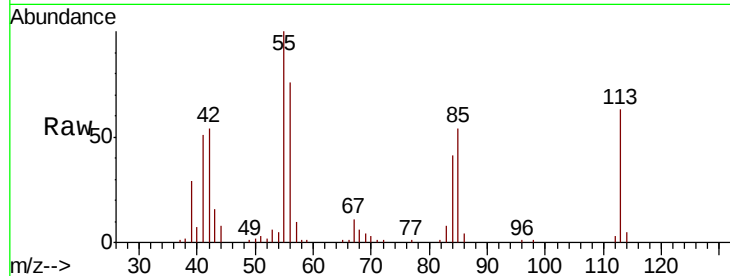




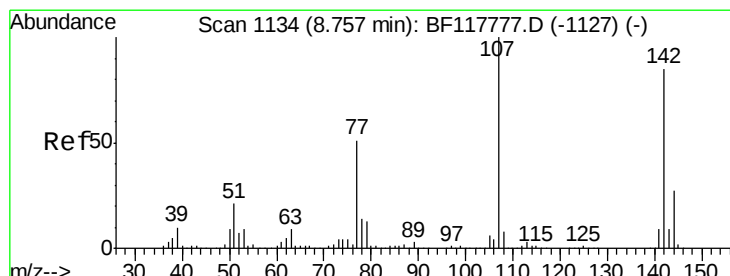
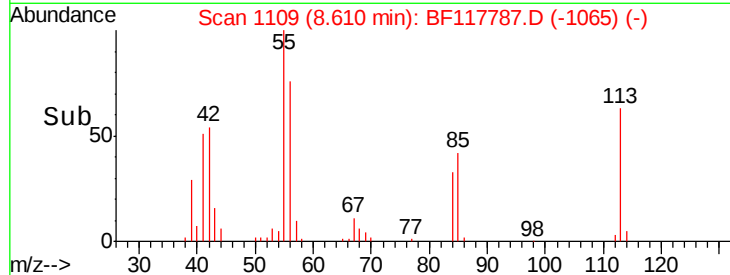
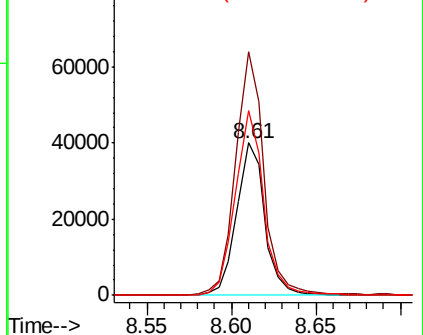
#35
Caprolactam
Concen: 10.360 ng
RT: 8.61 min Scan# 1109
Delta R.T. -0.04 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:113 Resp: 46549
Ion Ratio Lower Upper
113 100
55 160.0 141.1 181.1
56 121.7 100.5 140.5

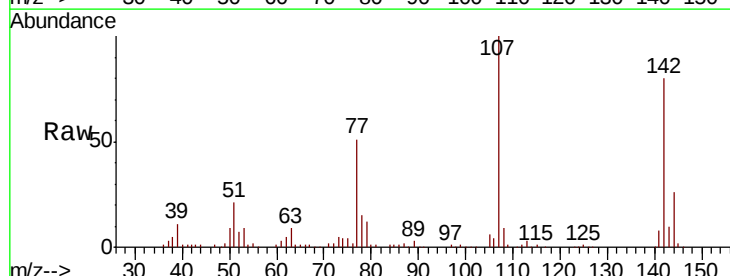


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

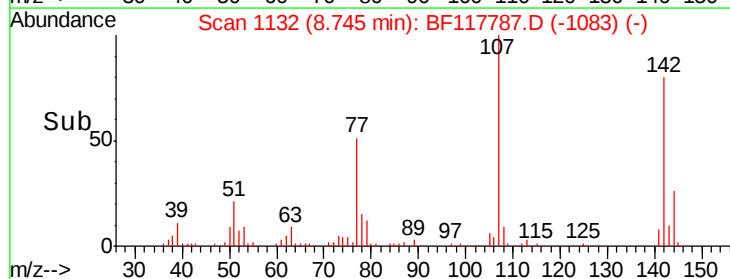
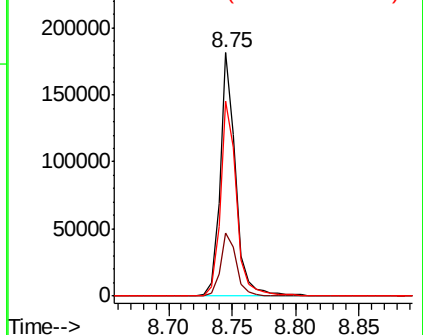


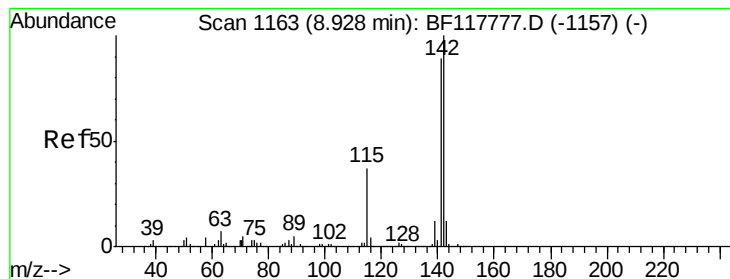
#36
4-Chloro-3-methylphenol
Concen: 10.860 ng
RT: 8.75 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:107 Resp: 155807
Ion Ratio Lower Upper
107 100
144 25.9 21.9 32.9
142 80.2 67.7 101.5



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: 11.911 ng

RT: 8.92 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

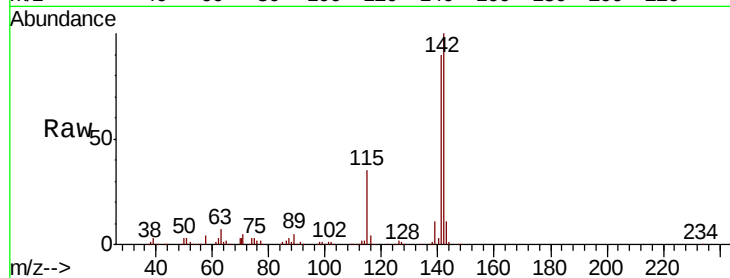
Tot Ion:142 Resp: 372553

Ion Ratio Lower Upper

142 100

141 89.6 71.1 106.7

115 34.7 29.2 43.8

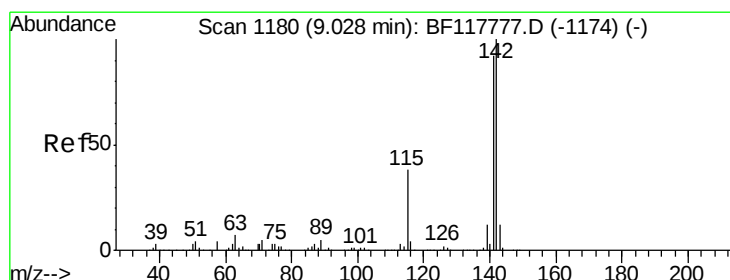
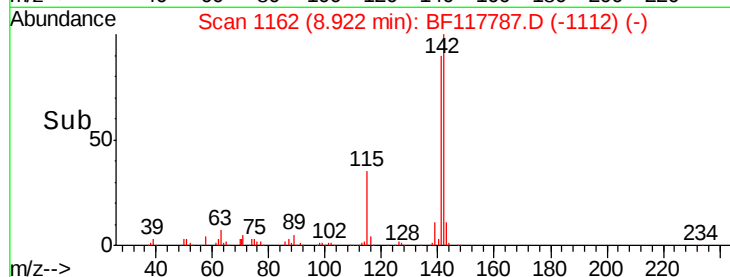
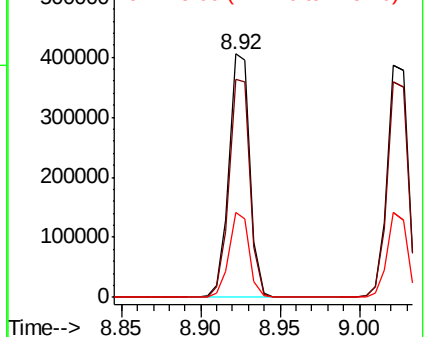


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 11.823 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

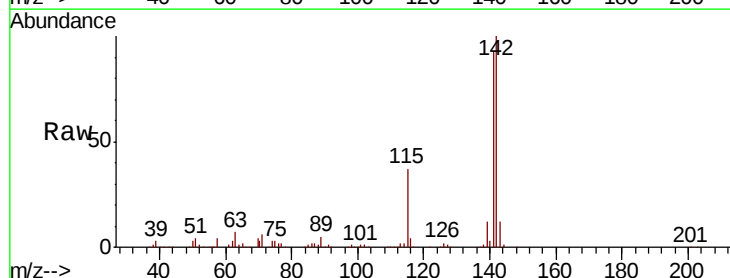
Tgt Ion:142 Resp: 349593

Ion Ratio Lower Upper

142 100

141 92.8 73.5 110.3

116 3.8 3.2 4.8

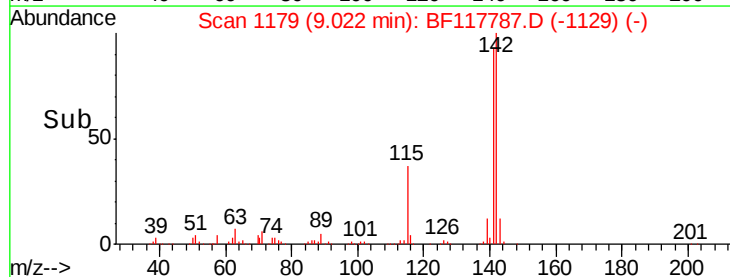
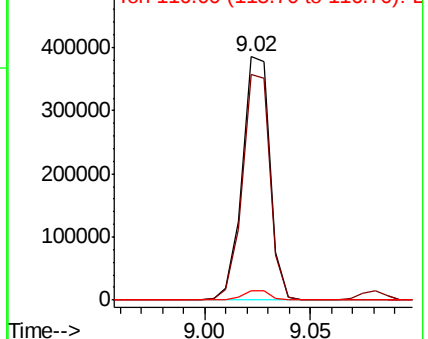


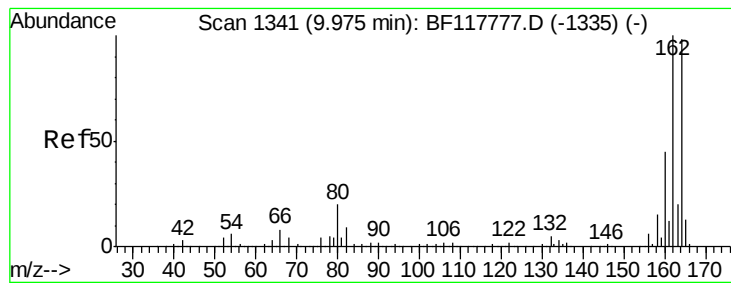
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

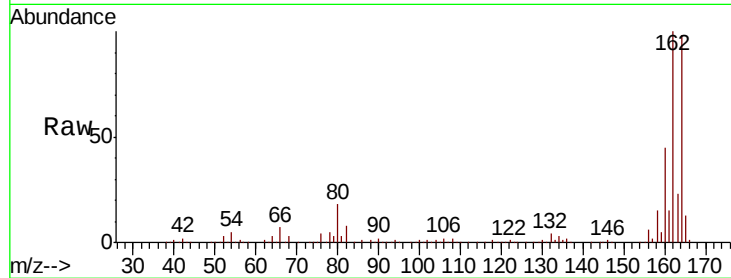
Tot Ion:164 Resp: 516463

Ion Ratio Lower Upper

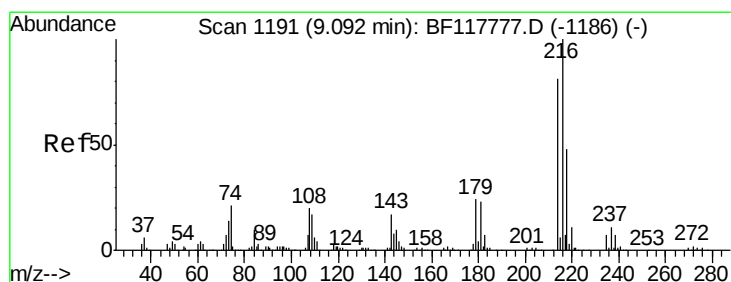
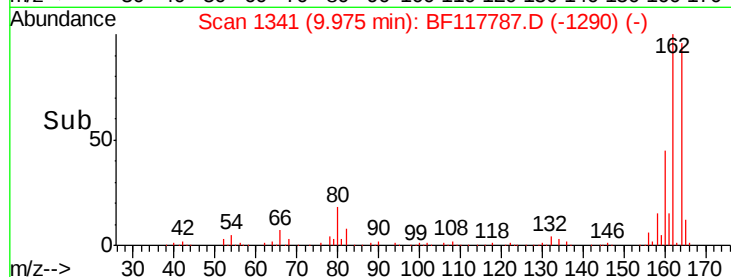
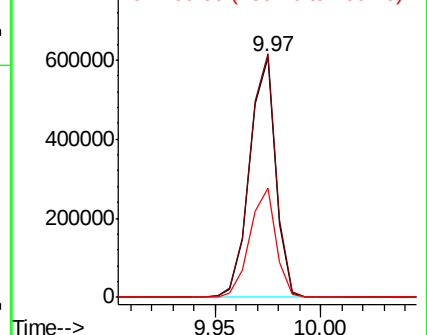
164 100

162 101.6 81.3 121.9

160 45.5 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.974 ng

RT: 9.09 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Tgt Ion:216 Resp: 164592

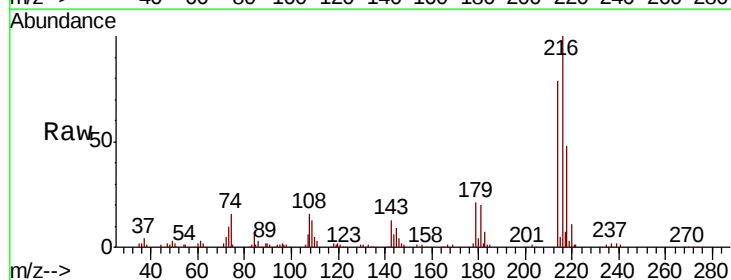
Ion Ratio Lower Upper

216 100

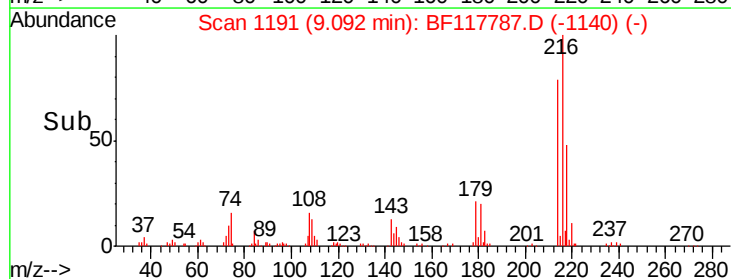
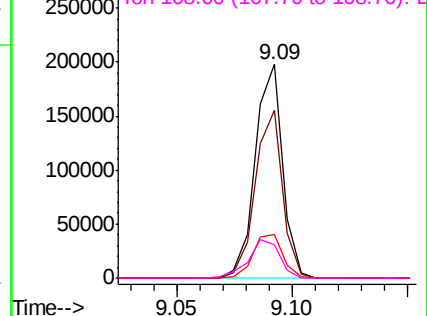
214 78.3 63.4 95.0

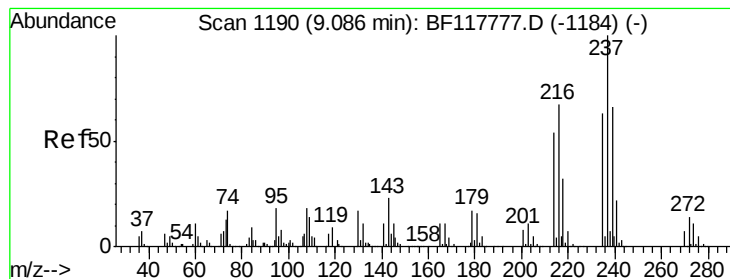
179 22.4 18.2 27.4

108 20.1 16.0 24.0



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





#41

Hexachlorocyclopentadiene

Concen: 10.982 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

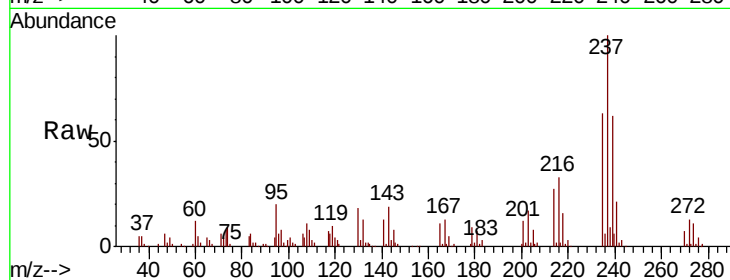
Tot Ion:237 Resp: 92308

Ion Ratio Lower Upper

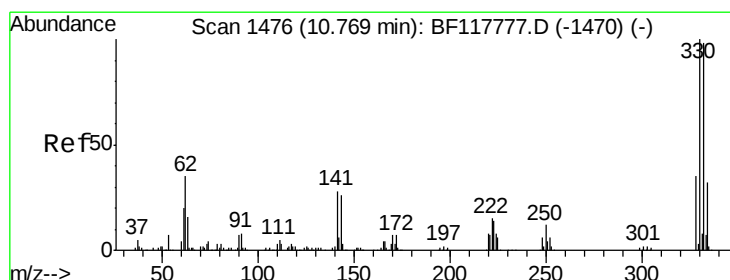
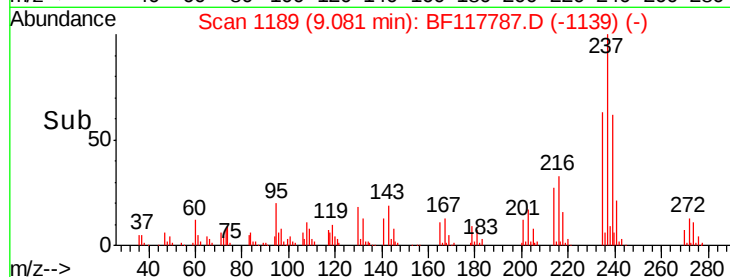
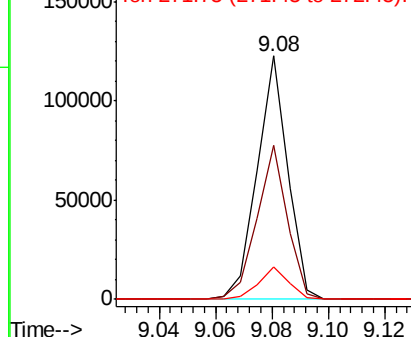
237 100

235 63.4 42.6 82.6

272 13.1 0.0 34.3



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



#42

2,4,6-Tribromophenol

Concen: 134.949 ng

RT: 10.77 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

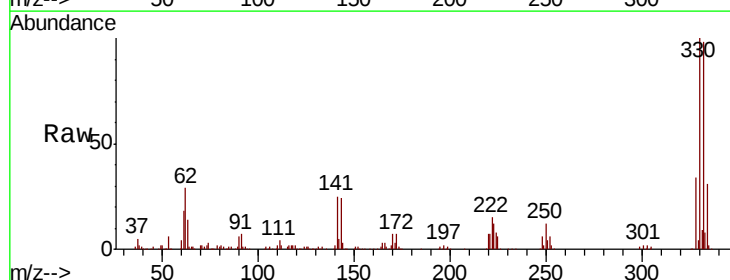
Tgt Ion:330 Resp: 737864

Ion Ratio Lower Upper

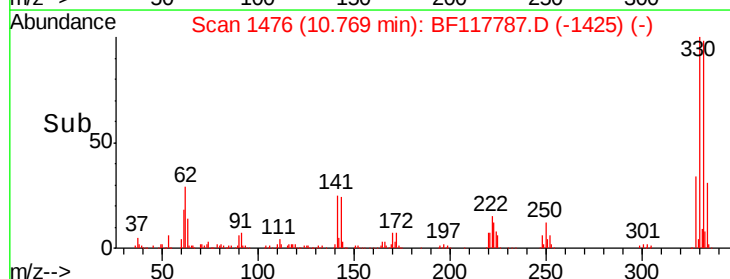
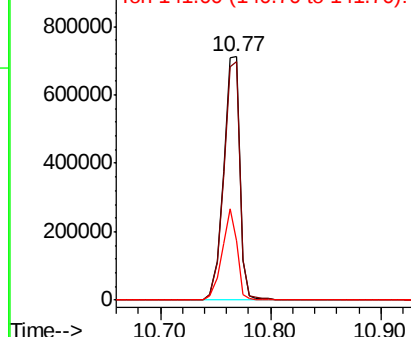
330 100

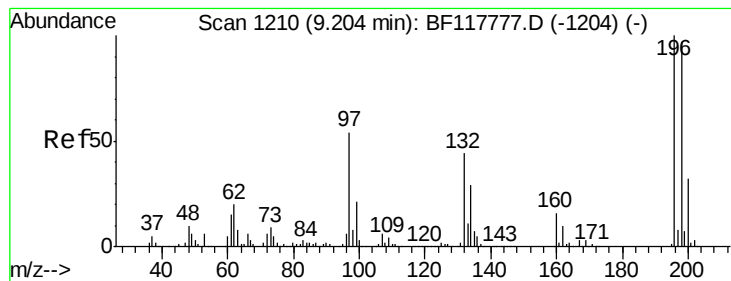
332 97.2 76.7 115.1

141 34.1 27.7 41.5



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





#43

2,4,6-Trichlorophenol

Concen: 10.128 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

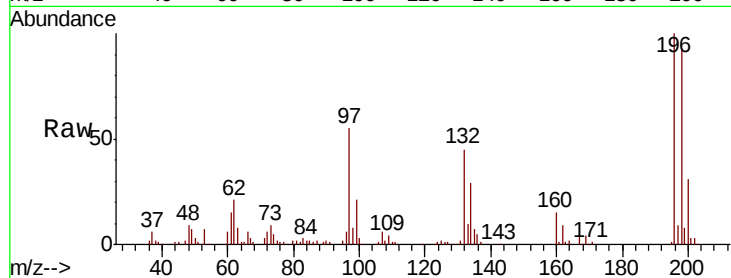
Tot Ion:196 Resp: 108803

Ion Ratio Lower Upper

196 100

198 92.7 77.8 116.6

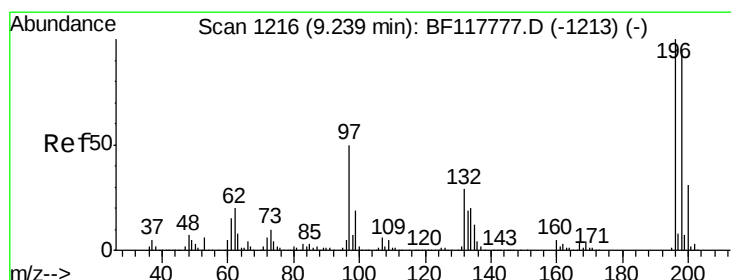
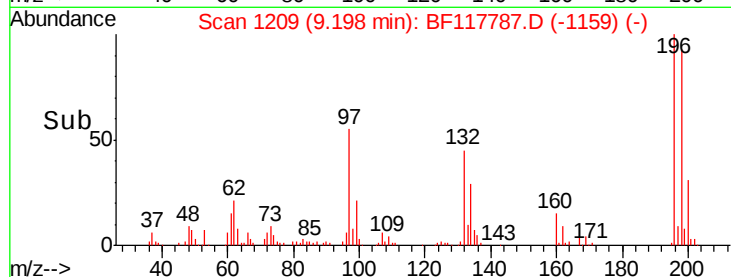
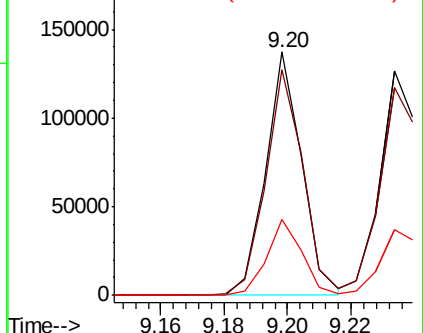
200 31.0 25.4 38.0



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 10.432 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Tgt Ion:196 Resp: 116356

Ion Ratio Lower Upper

196 100

198 92.4 76.3 114.5

97 51.8 40.0 60.0

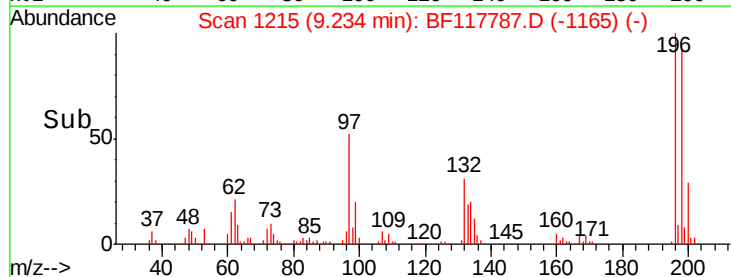
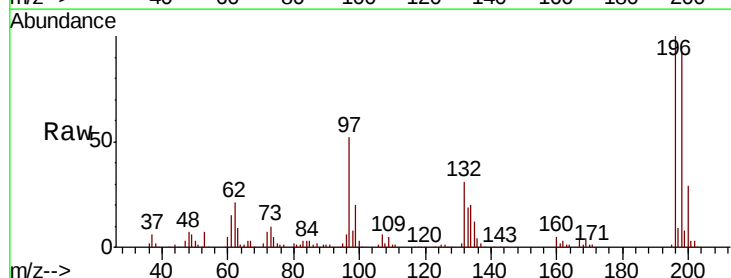
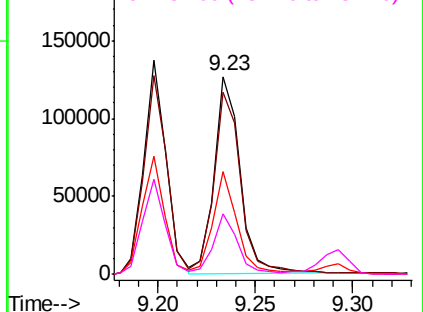
132 30.7 23.6 35.4

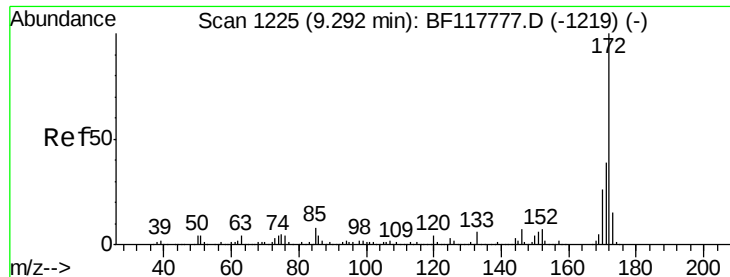
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

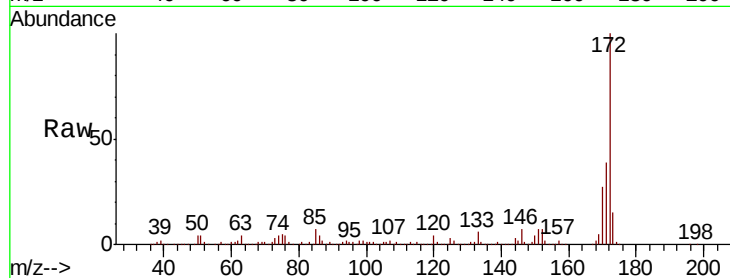




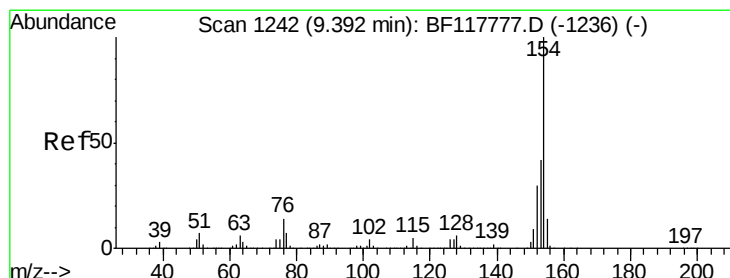
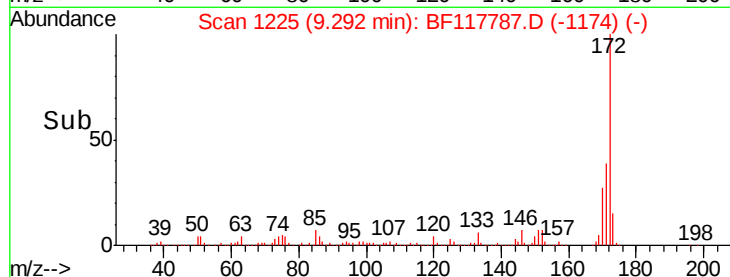
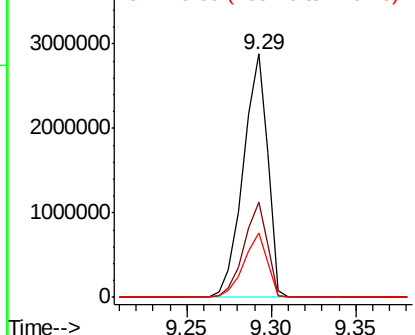
#45
2-Fluorobiphenyl
Concen: 101.251 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.00 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:172 Resp: 2914784
Ion Ratio Lower Upper
172 100
171 39.2 30.9 46.3
170 26.6 21.0 31.4

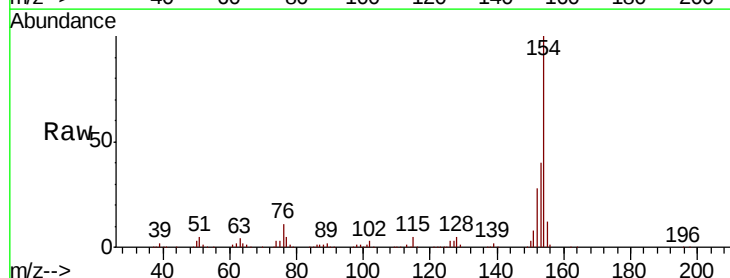


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

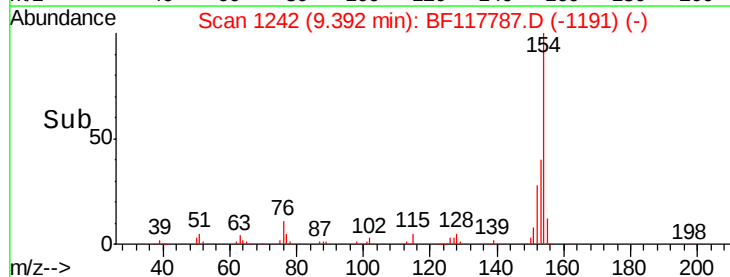
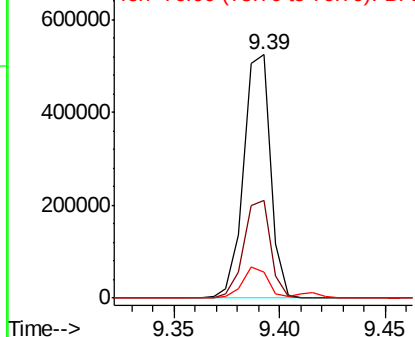


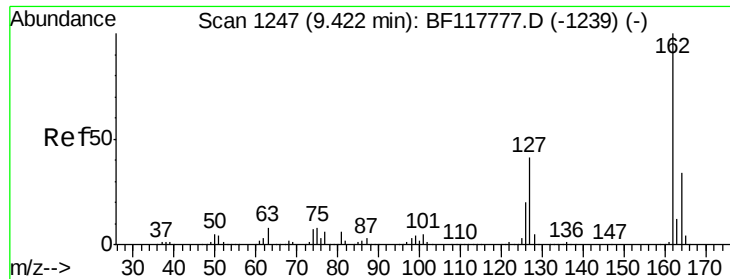
#46
1,1'-Biphenyl
Concen: 12.073 ng
RT: 9.39 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:154 Resp: 462599
Ion Ratio Lower Upper
154 100
153 40.3 21.9 61.9
76 10.6 0.0 33.6



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

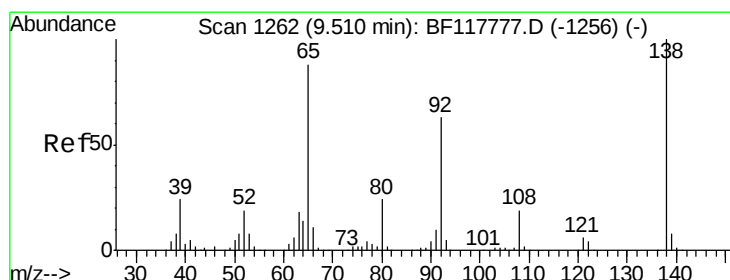
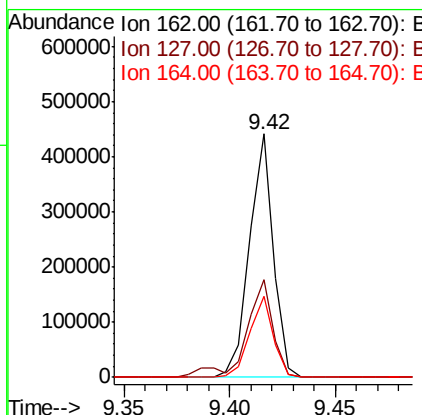
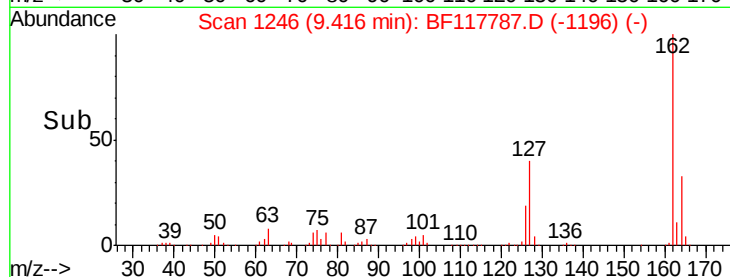
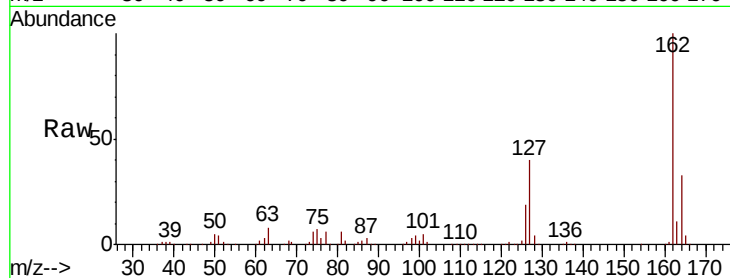




#47
 2-Chloronaphthalene
 Concen: 11.021 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

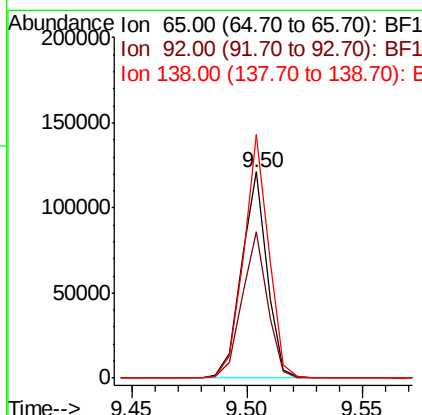
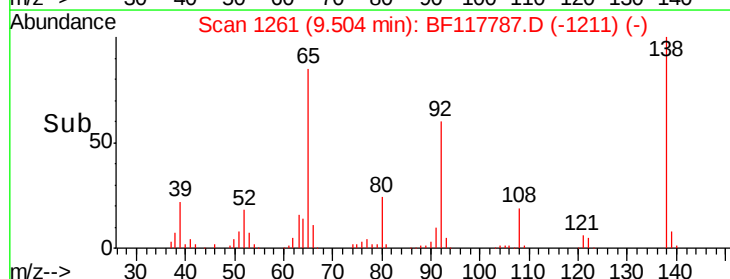
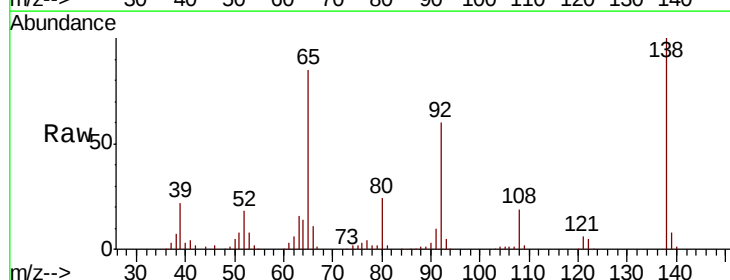
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

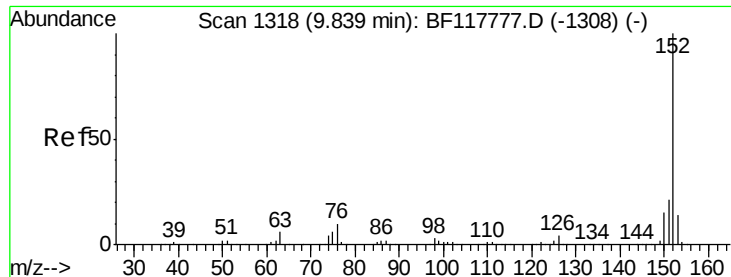
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.2	33.2	49.8
164	33.3	27.3	40.9



#48
 2-Nitroaniline
 Concen: 9.823 ng
 RT: 9.50 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.0	56.6	84.8
138	118.1	90.5	135.7





#49

Acenaphthylene

Concen: 11.974 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

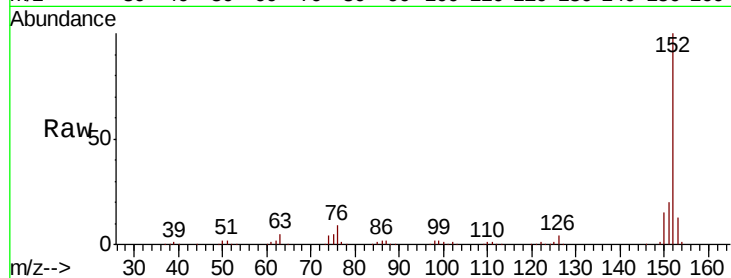
Tot Ion:152 Resp: 550275

Ion Ratio Lower Upper

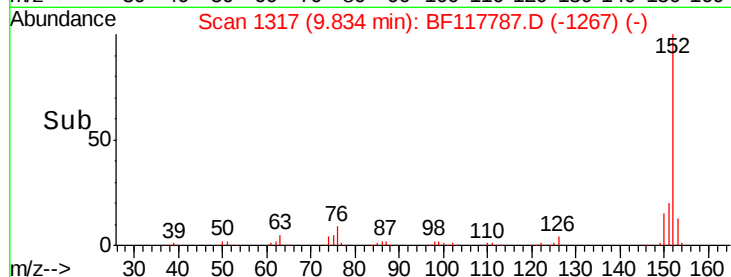
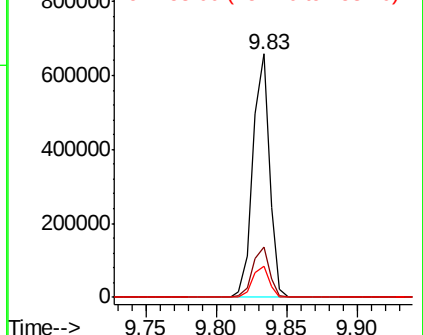
152 100

151 20.5 17.0 25.6

153 12.9 11.0 16.6



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



#50

Dimethylphthalate

Concen: 10.926 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

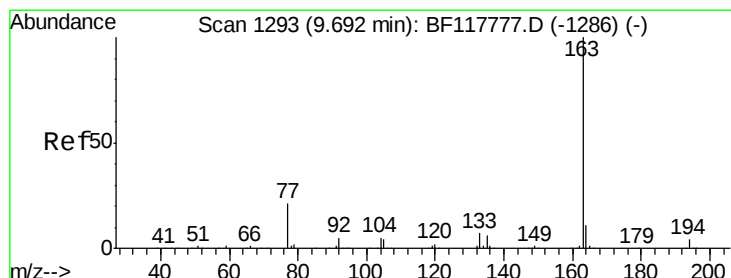
Tgt Ion:163 Resp: 395718

Ion Ratio Lower Upper

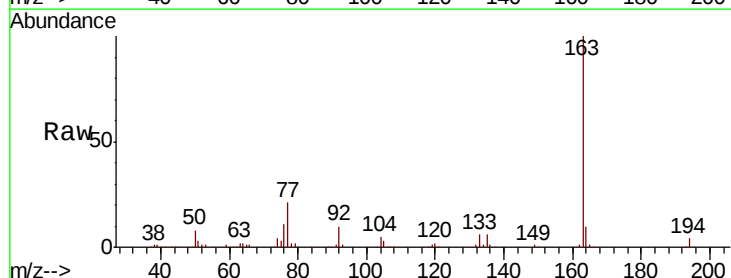
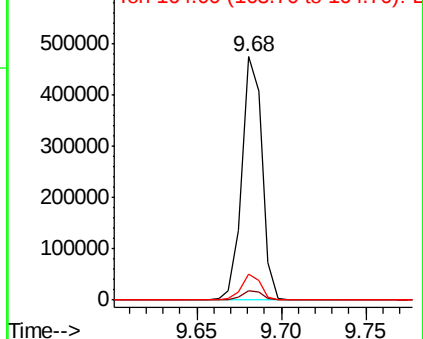
163 100

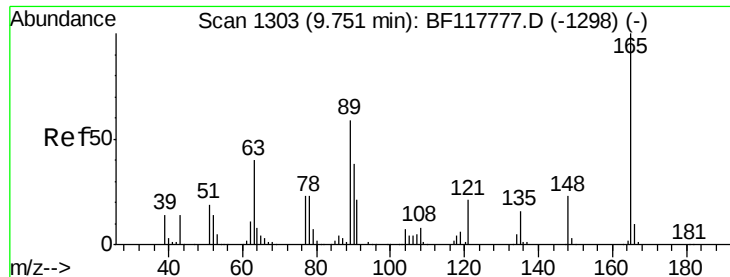
194 3.6 3.3 4.9

164 10.5 8.7 13.1



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

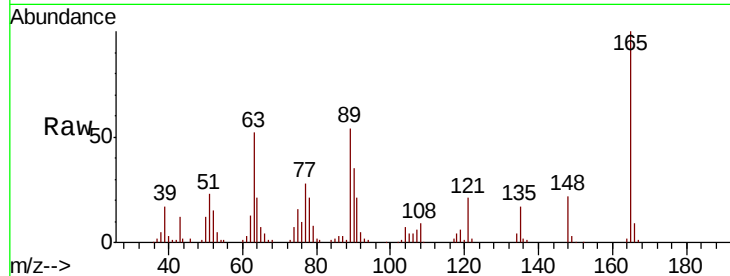




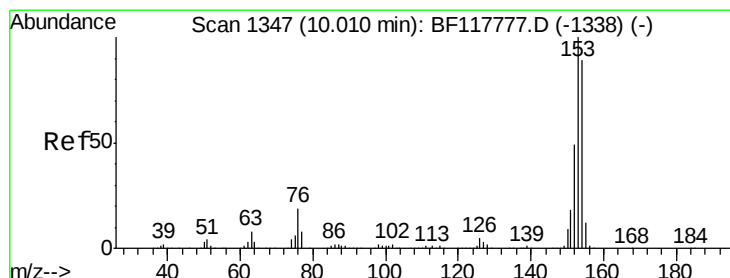
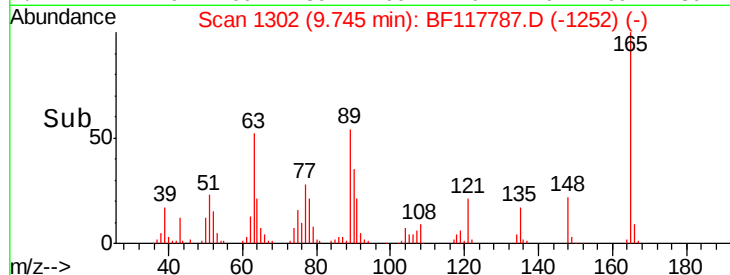
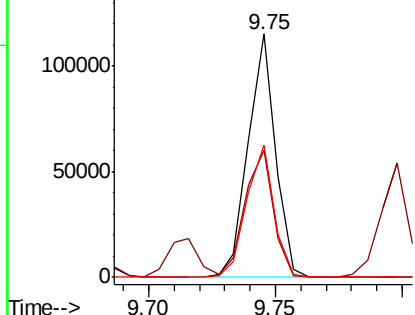
#51
2,6-Dinitrotoluene
Concen: 10.914 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:165 Resp: 86391
Ion Ratio Lower Upper
165 100
63 52.2 46.0 69.0
89 54.2 47.7 71.5

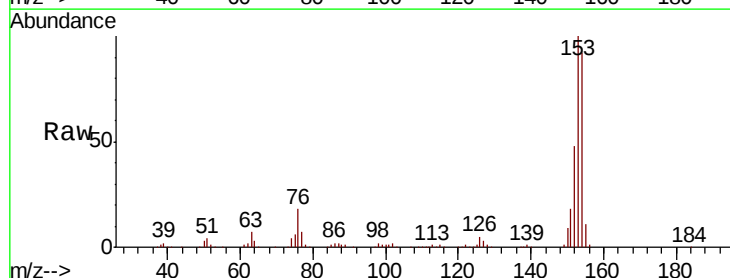


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

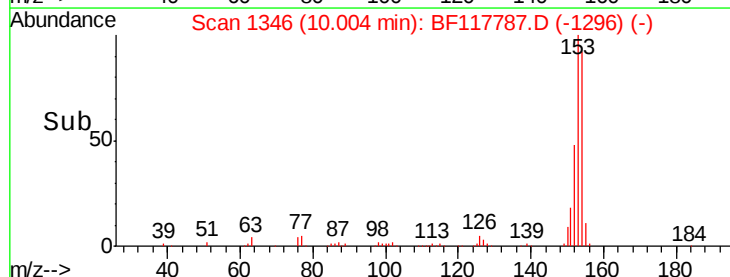
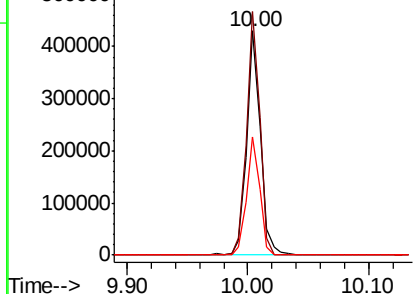


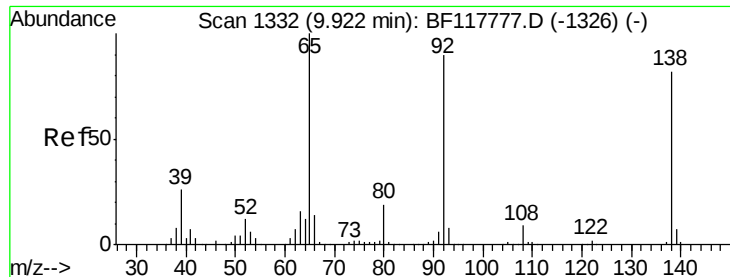
#52
Acenaphthene
Concen: 11.699 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:154 Resp: 344403
Ion Ratio Lower Upper
154 100
153 108.6 90.1 135.1
152 52.6 44.0 66.0



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

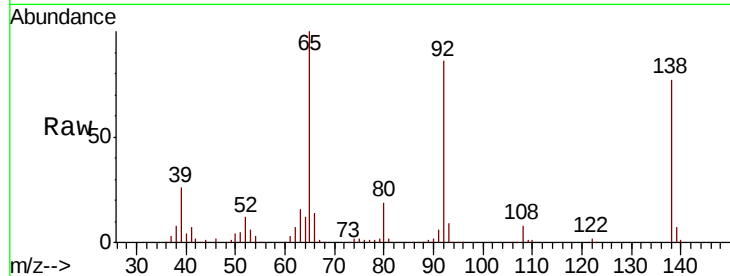




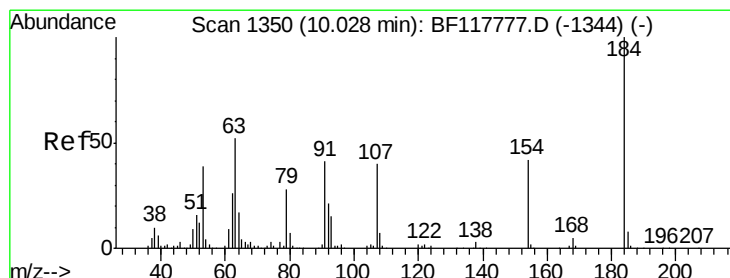
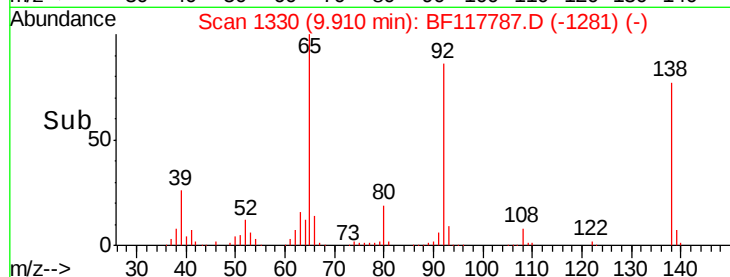
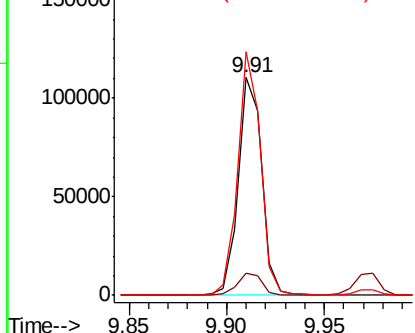
#53
3-Nitroaniline
Concen: 9.731 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:138 Resp: 92167
Ion Ratio Lower Upper
138 100
108 10.3 8.6 12.8
92 112.0 87.9 131.9

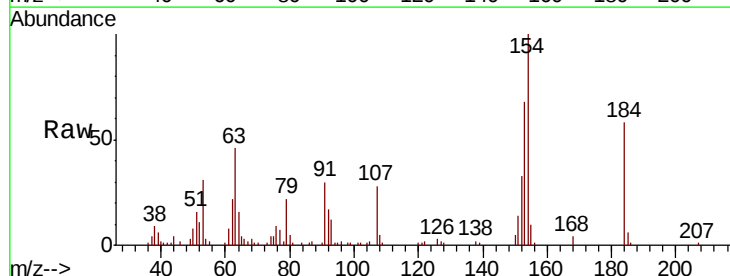


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

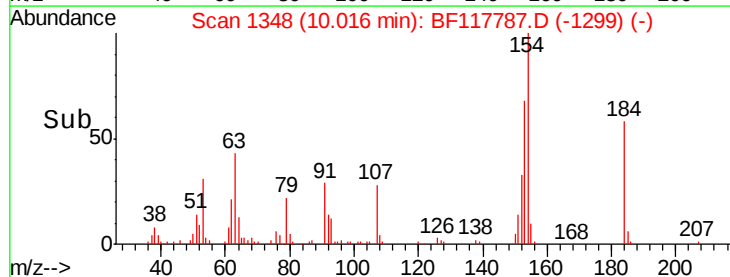
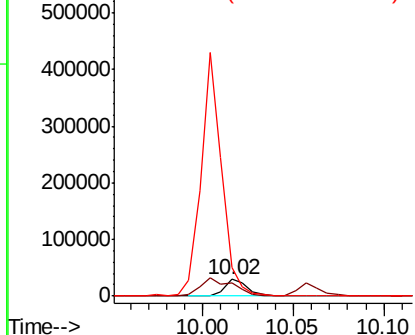


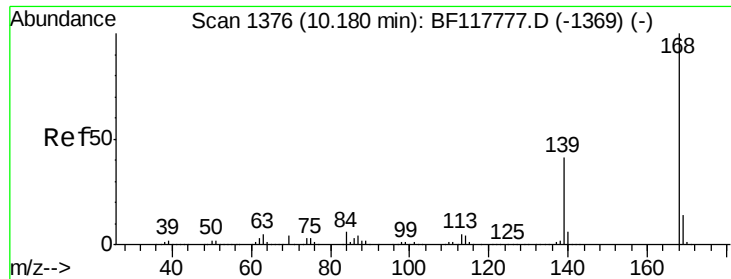
#54
2,4-Dinitrophenol
Concen: 7.680 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:184 Resp: 26986
Ion Ratio Lower Upper
184 100
63 78.7 43.0 64.6#
154 171.1 48.0 72.0#



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

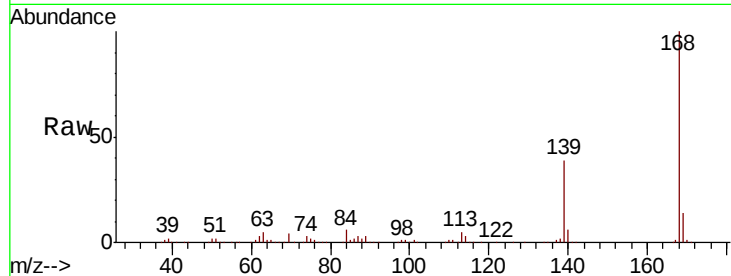




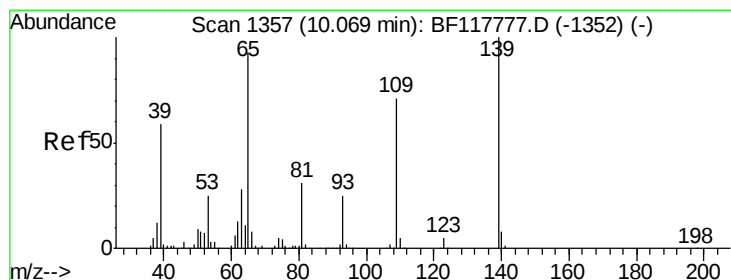
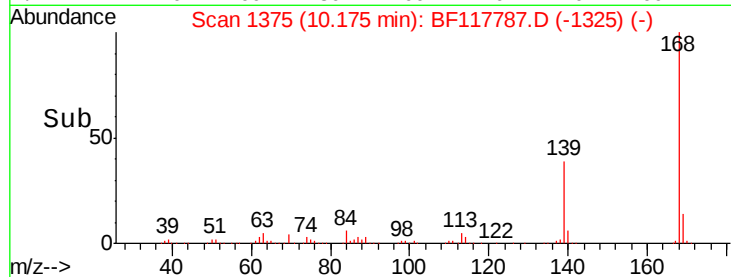
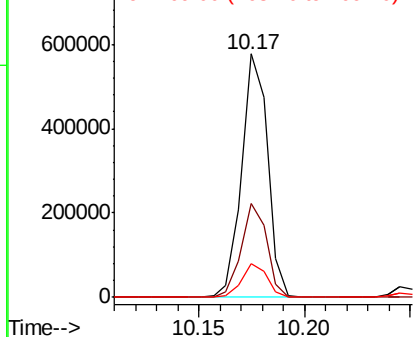
#55
Dibenzenofuran
Concen: 12.028 ng
RT: 10.17 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:168 Resp: 490328
Ion Ratio Lower Upper
168 100
139 38.6 33.0 49.6
169 13.6 11.5 17.3

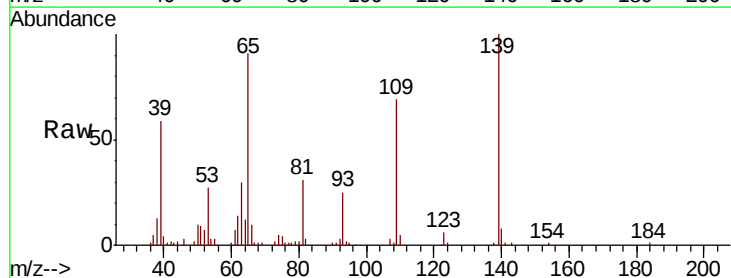


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

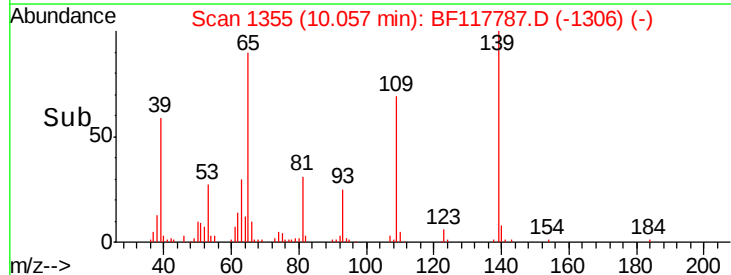
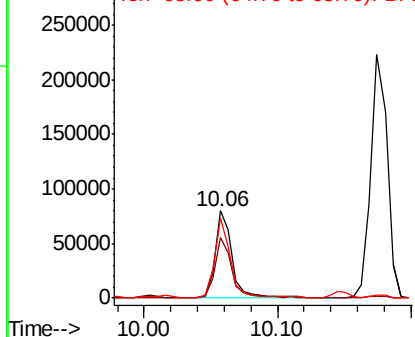


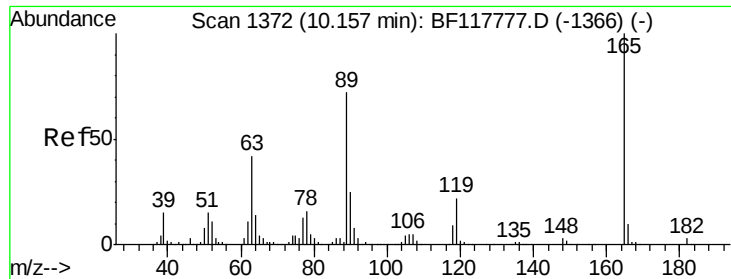
#56
4-Nitrophenol
Concen: 10.227 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:139 Resp: 72299
Ion Ratio Lower Upper
139 100
109 69.5 50.8 90.8
65 90.9 73.6 113.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

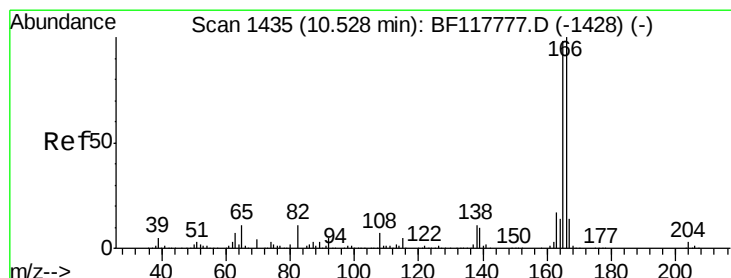
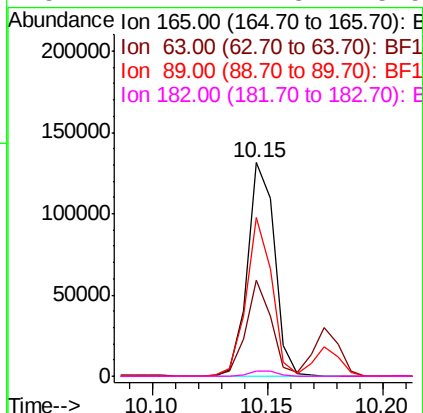
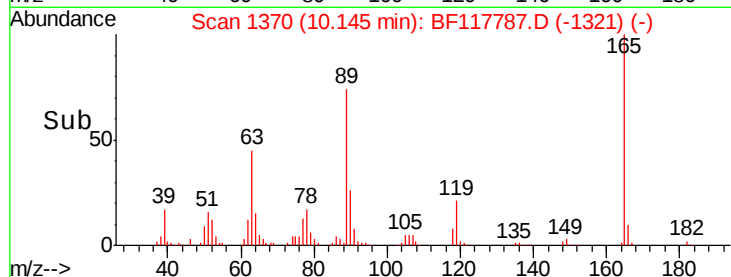
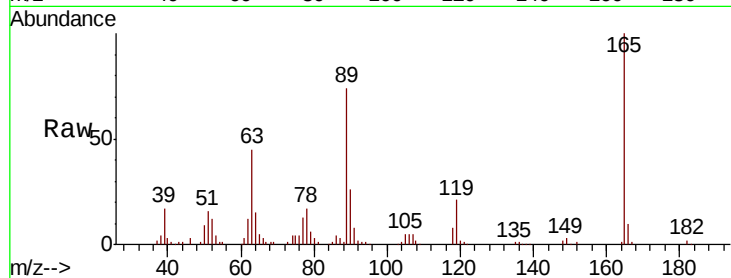




#57
2,4-Dinitrotoluene
Concen: 10.748 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

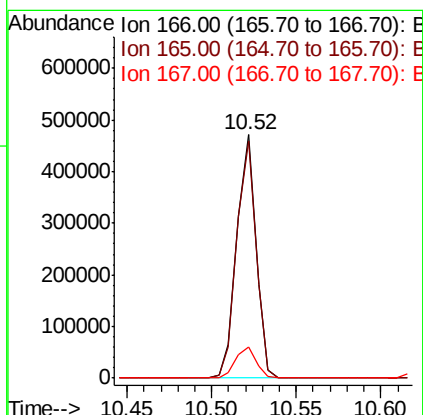
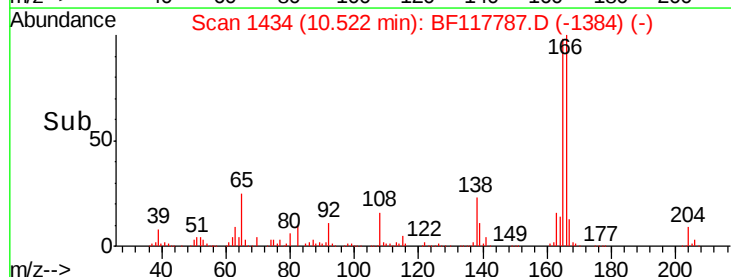
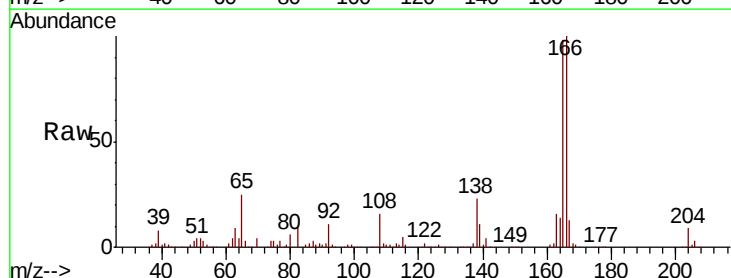
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

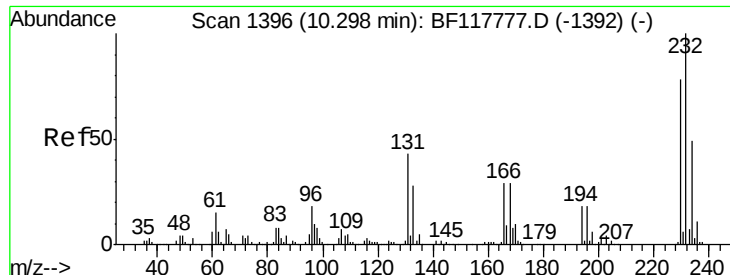
Tot Ion	Ratio	Lower	Upper
165	100		
63	45.1	33.7	50.5
89	74.4	57.3	85.9
182	2.4	2.3	3.5



#58
Fluorene
Concen: 11.795 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.4	117.6
167	12.9	11.0	16.4

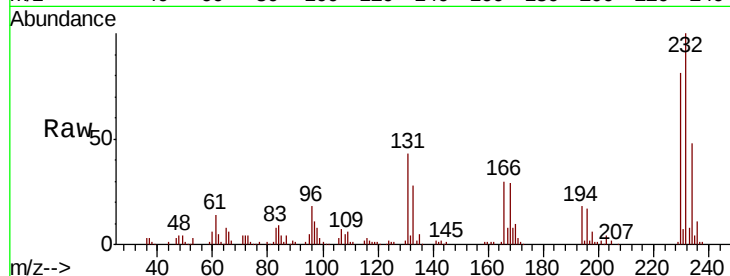




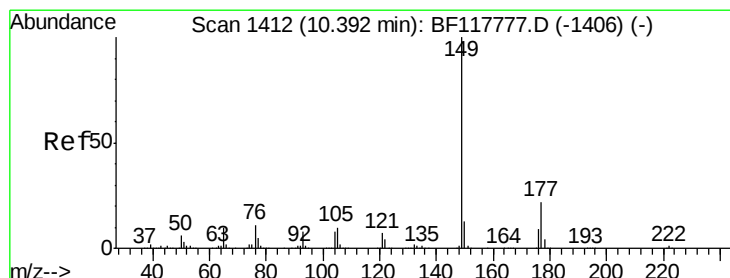
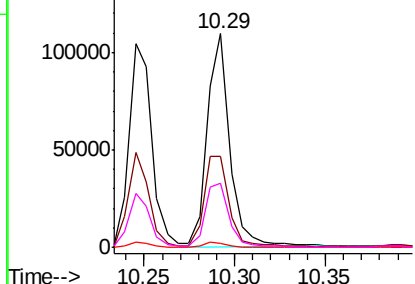
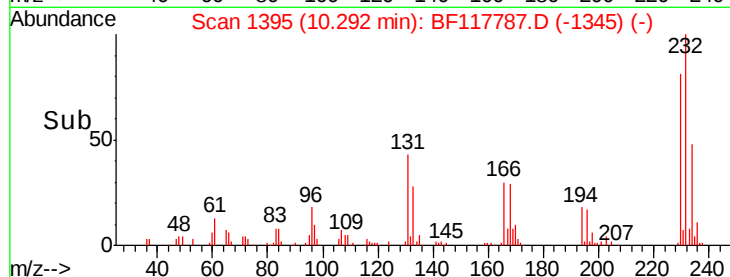
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 10.340 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion:232 Resp: 94760
 Ion Ratio Lower Upper
 232 100
 131 49.1 37.6 56.4
 130 2.2 1.9 2.9
 166 32.2 24.2 36.4

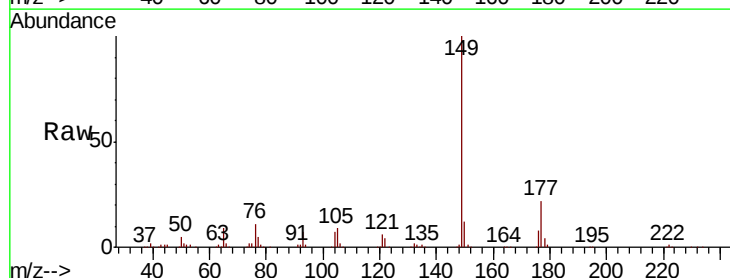


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

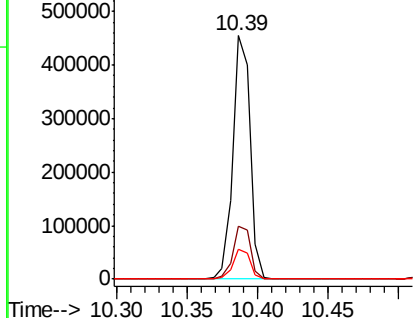
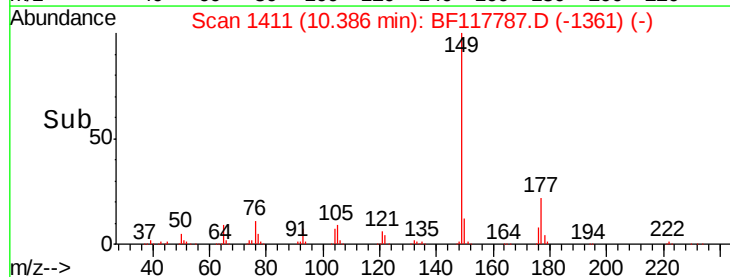


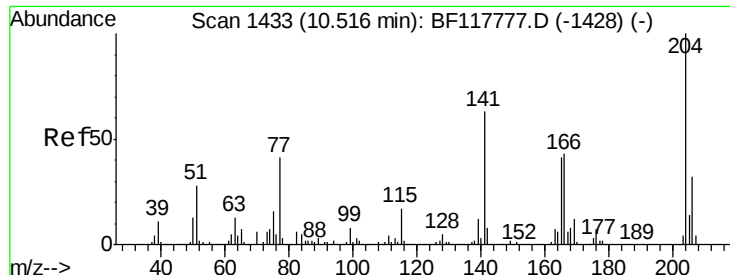
#60
 Diethylphthalate
 Concen: 10.960 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

Tgt Ion:149 Resp: 386994
 Ion Ratio Lower Upper
 149 100
 177 21.5 18.0 27.0
 150 12.4 10.5 15.7



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

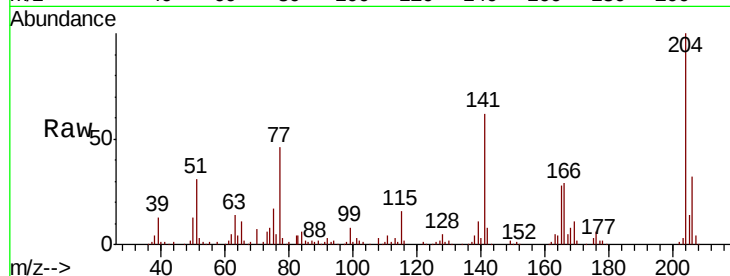




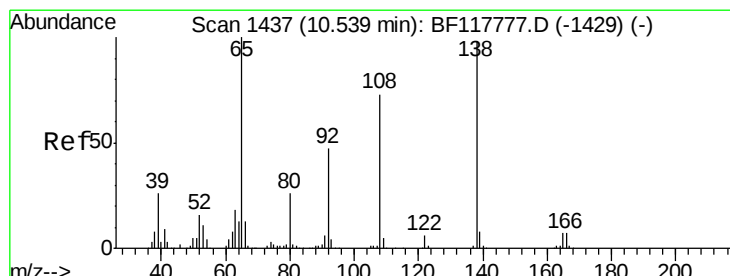
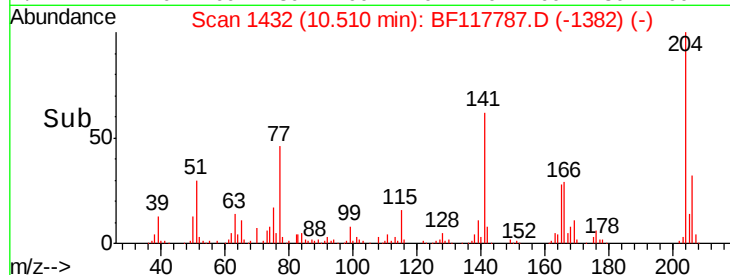
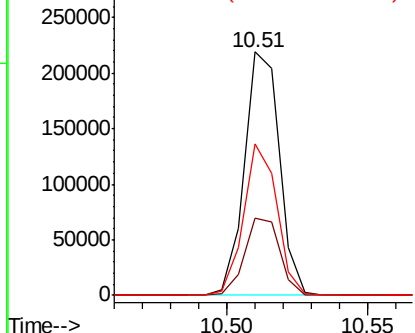
#61
4-Chlorophenyl-phenylether
Concen: 11.768 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:204 Resp: 188661
Ion Ratio Lower Upper
204 100
206 31.7 25.6 38.4
141 62.4 50.7 76.1

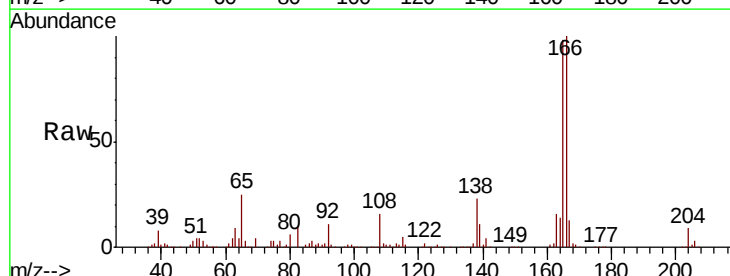


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

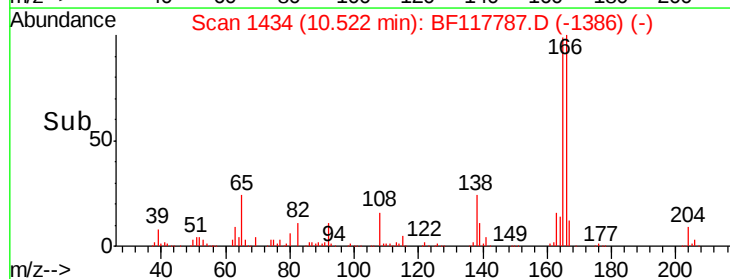
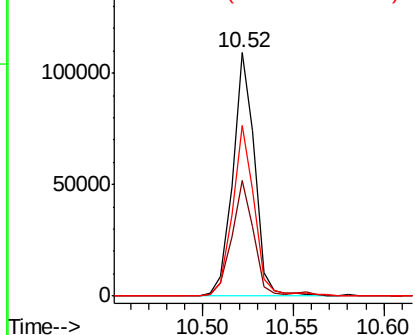


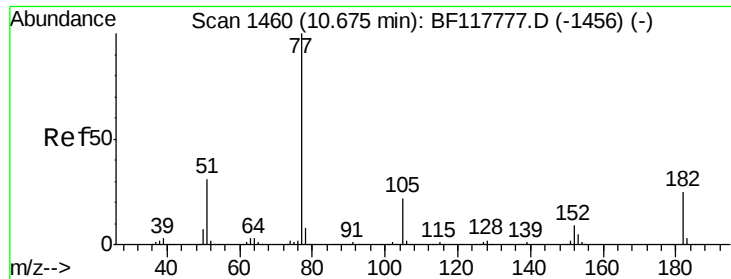
#62
4-Nitroaniline
Concen: 9.698 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.02 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:138 Resp: 91972
Ion Ratio Lower Upper
138 100
92 47.2 28.3 68.3
108 70.2 54.3 94.3



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





#63

Azobenzene

Concen: 11.434 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 77 Resp: 367303

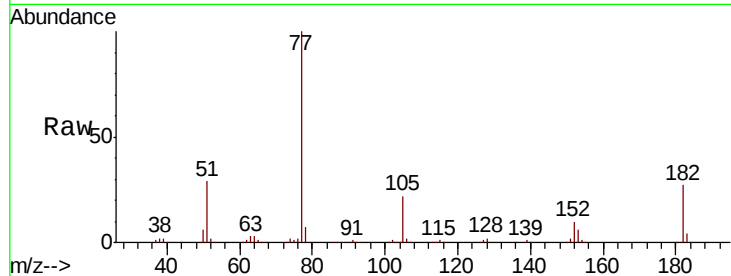
Ion Ratio Lower Upper

77 100

182 27.2 4.8 44.8

105 21.5 2.1 42.1

51 29.5 11.4 51.4

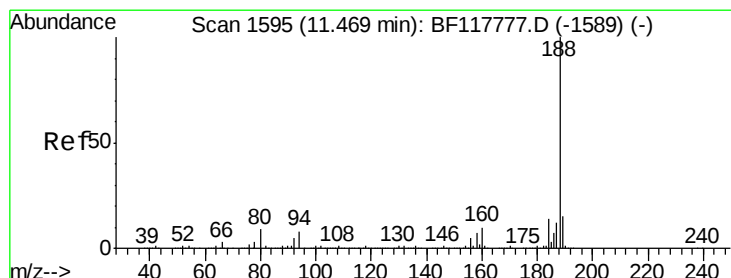
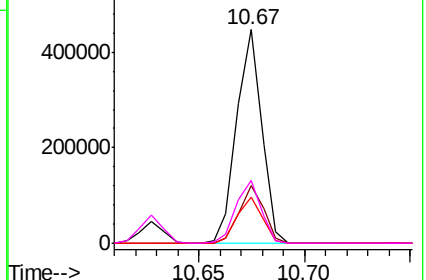
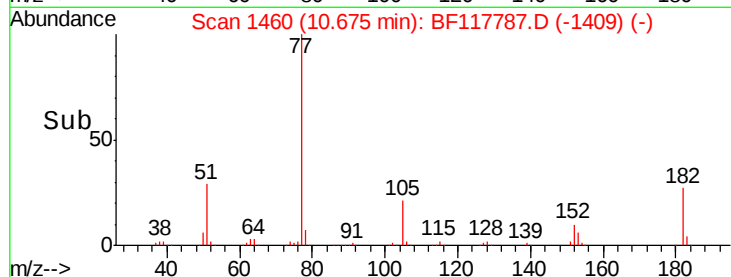


Abundance Ion 77.00 (76.70 to 77.70): BF1

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

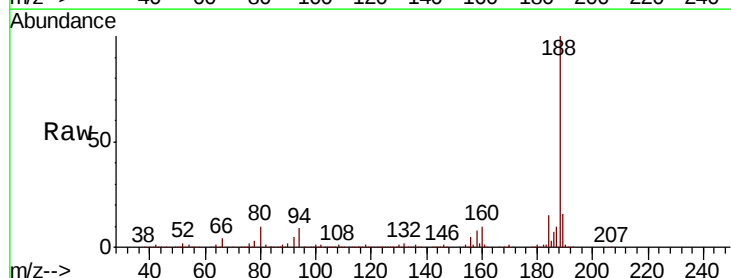
Tgt Ion: 188 Resp: 980549

Ion Ratio Lower Upper

188 100

94 9.3 6.6 10.0

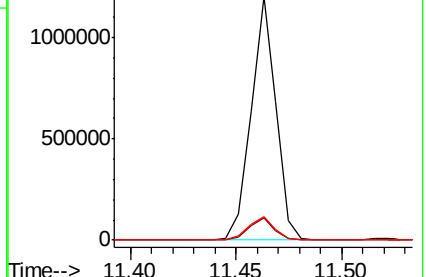
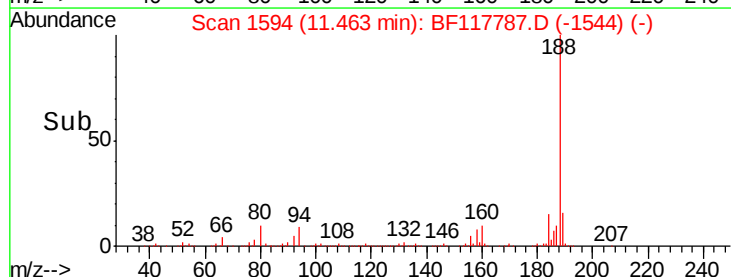
80 9.8 7.2 10.8

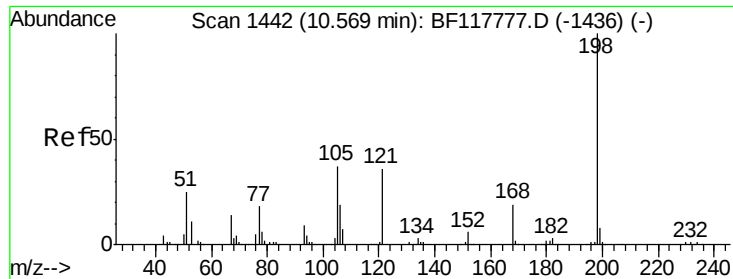


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

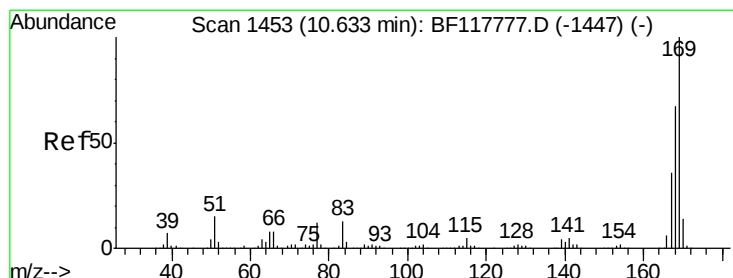
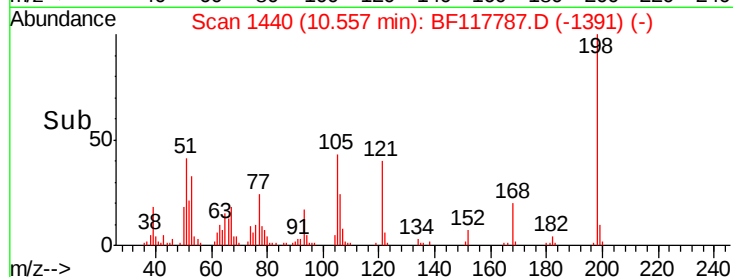
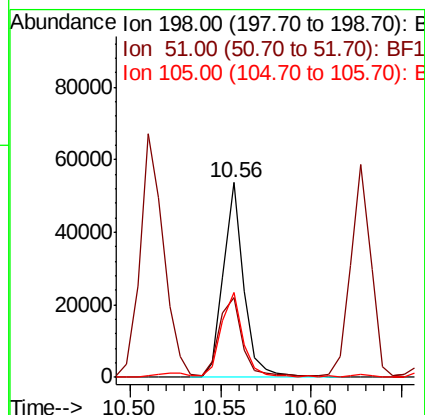
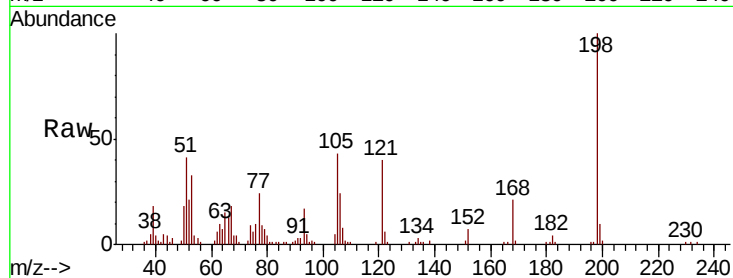




#65
4,6-Dinitro-2-methylphenol
Concen: 9.246 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

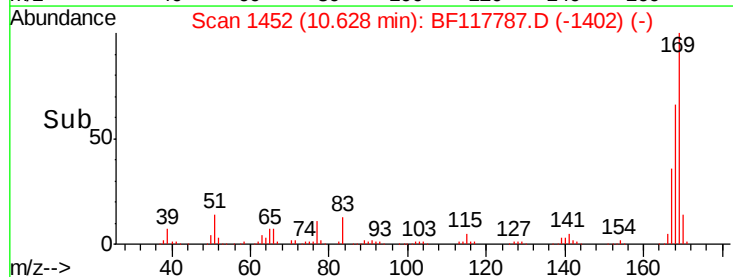
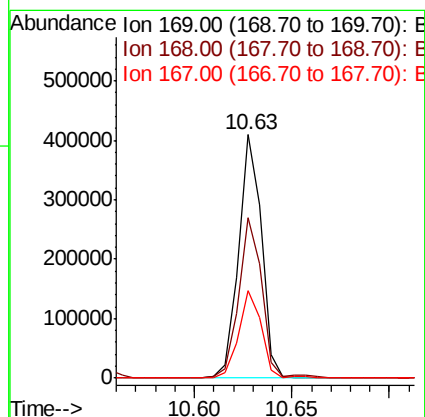
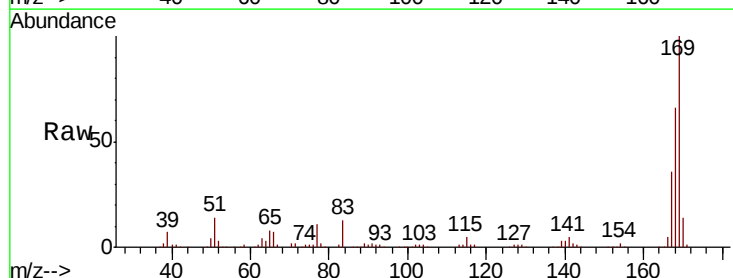
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

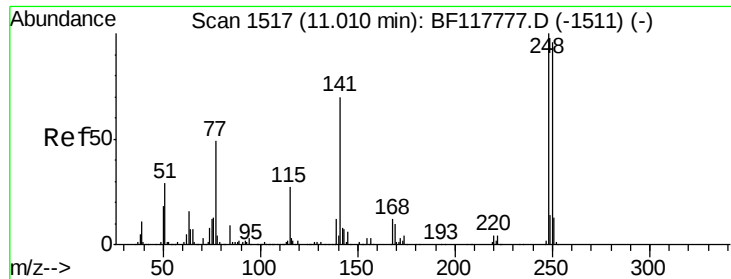
Tot Ion:198 Resp: 42324
Ion Ratio Lower Upper
198 100
51 41.1 16.0 56.0
105 43.3 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 11.603 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:169 Resp: 331105
Ion Ratio Lower Upper
169 100
168 65.7 53.5 80.3
167 35.9 29.0 43.4

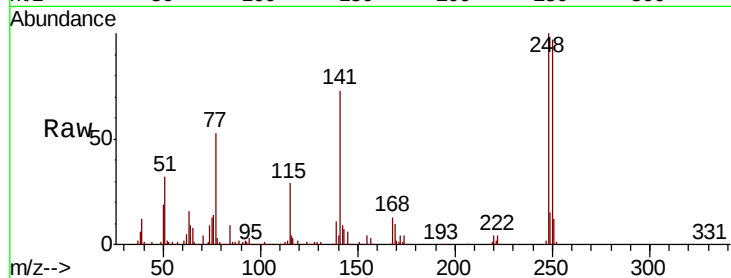




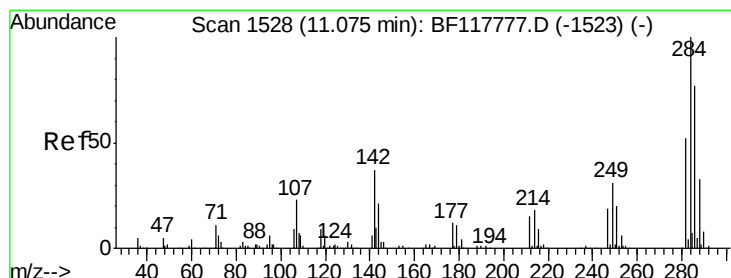
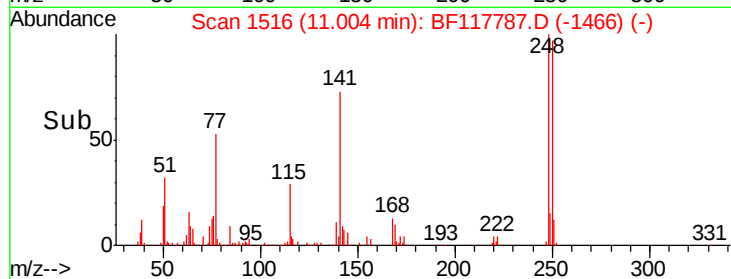
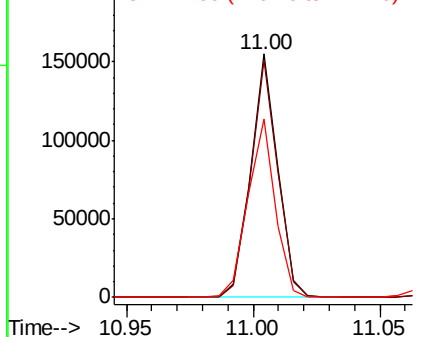
#67
4-Bromophenyl-phenylether
Concen: 10.882 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:248 Resp: 115128
Ion Ratio Lower Upper
248 100
250 97.3 76.6 115.0
141 73.5 55.9 83.9

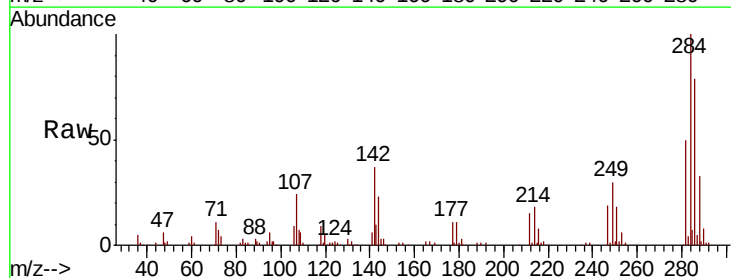


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

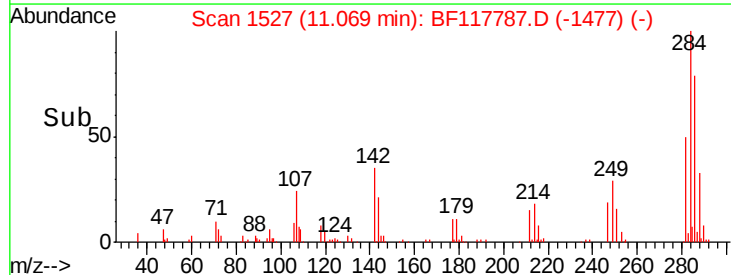
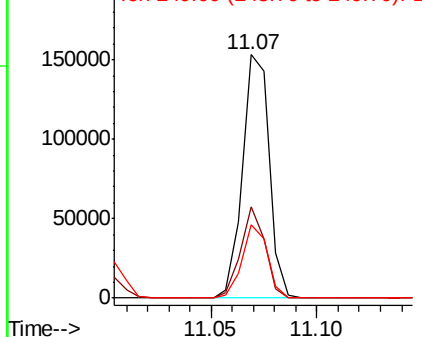


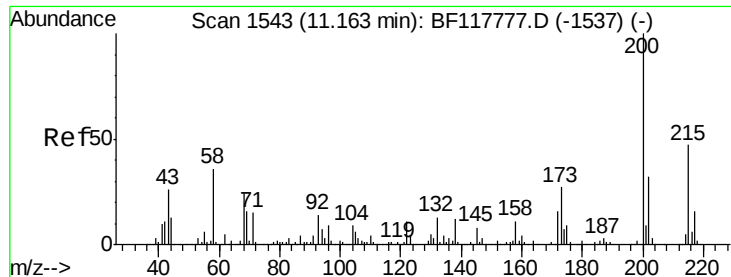
#68
Hexachlorobenzene
Concen: 10.902 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:284 Resp: 134499
Ion Ratio Lower Upper
284 100
142 37.4 29.4 44.2
249 30.1 24.6 37.0



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

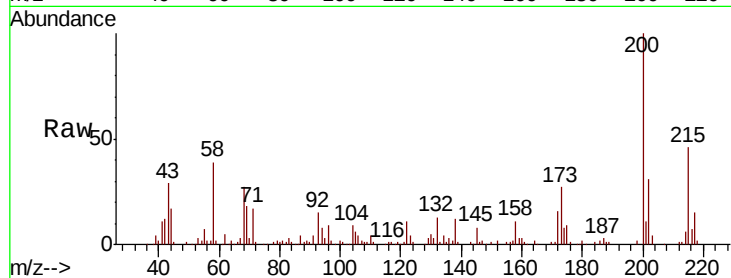




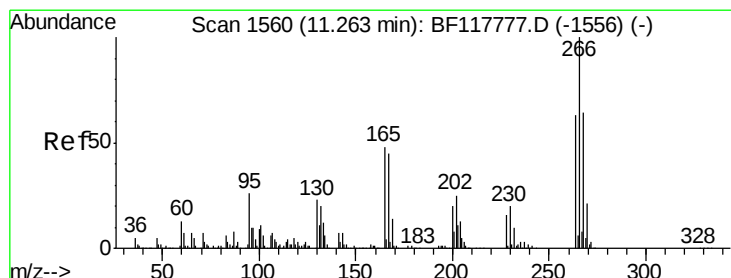
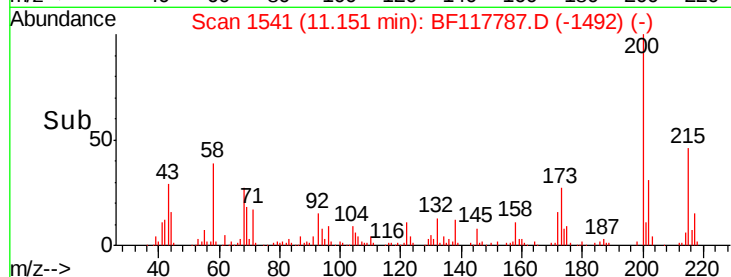
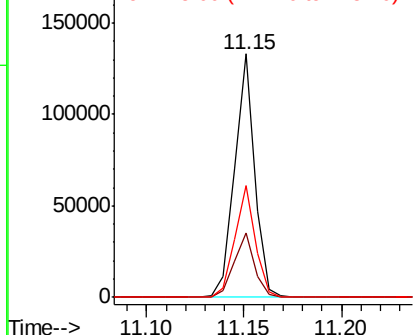
#69
Atrazine
Concen: 10.143 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:200 Resp: 95211
Ion Ratio Lower Upper
200 100
173 26.5 6.7 46.7
215 46.0 27.5 67.5

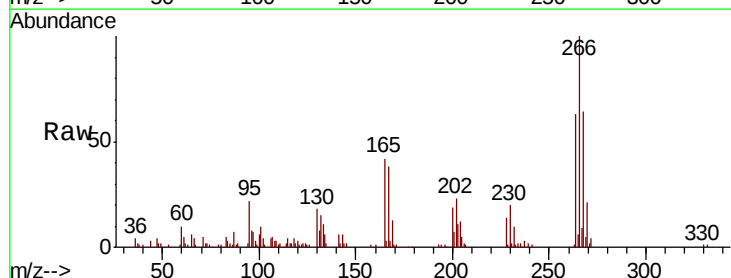


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

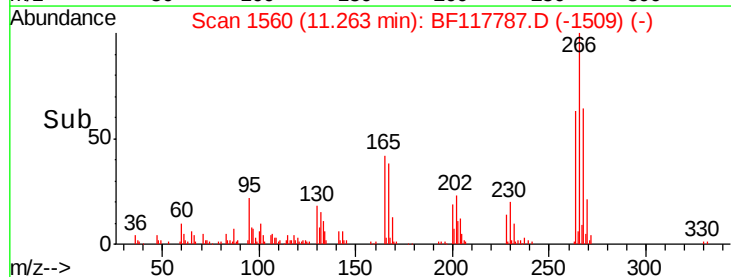
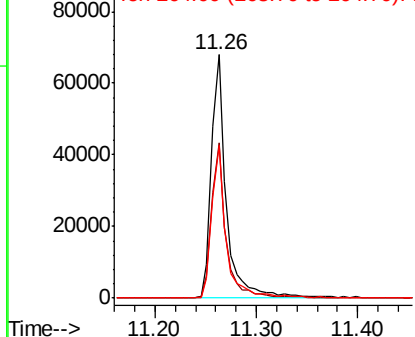


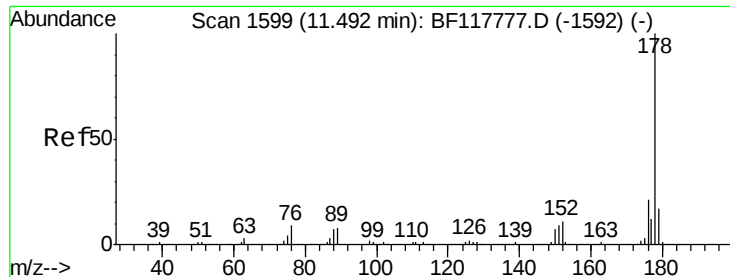
#70
Pentachlorophenol
Concen: 9.732 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:266 Resp: 70144
Ion Ratio Lower Upper
266 100
268 63.8 50.8 76.2
264 62.9 50.7 76.1



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





#71

Phenanthrene

Concen: 11.863 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

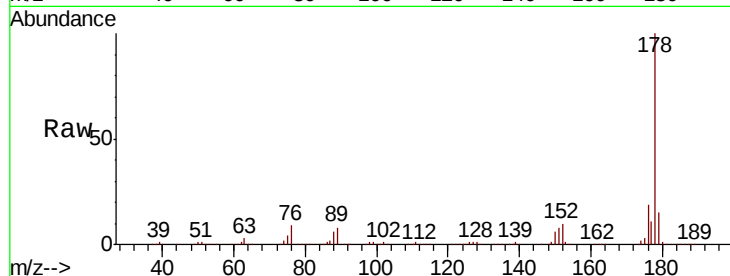
Tot Ion:178 Resp: 584849

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

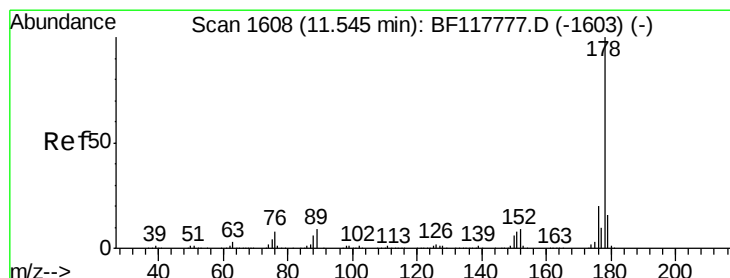
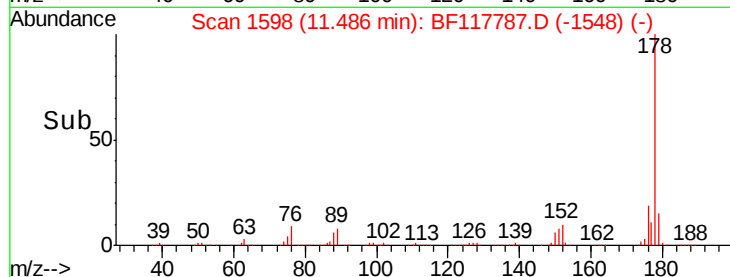
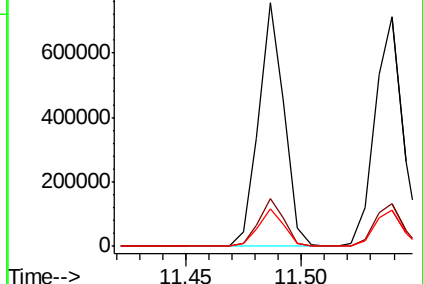
179 15.3 13.2 19.8



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

Anthracene

Concen: 12.069 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

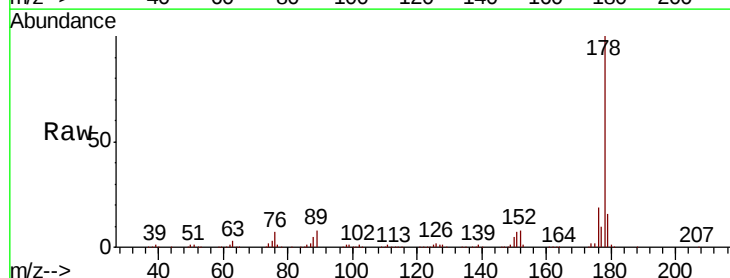
Tgt Ion:178 Resp: 589925

Ion Ratio Lower Upper

178 100

176 18.8 16.1 24.1

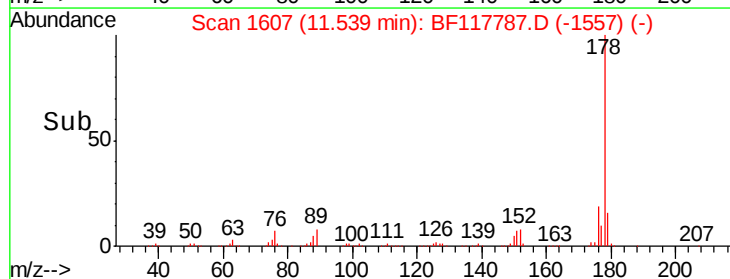
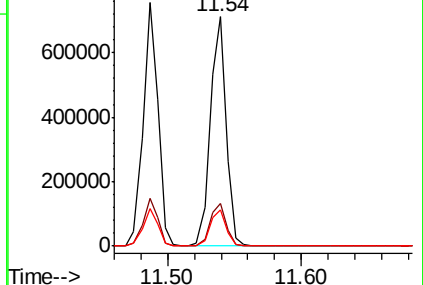
179 15.7 13.0 19.4

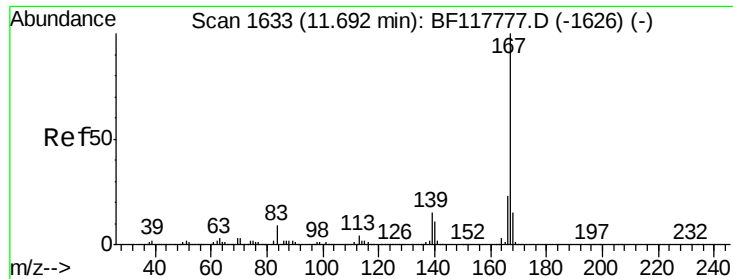


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

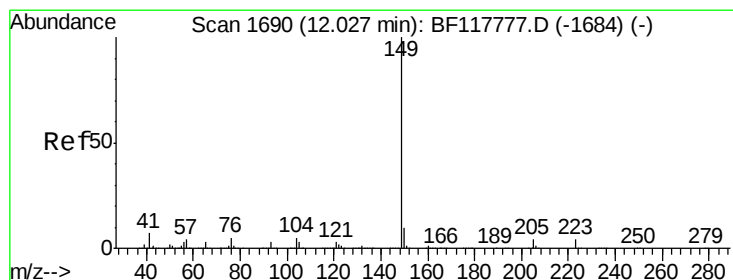
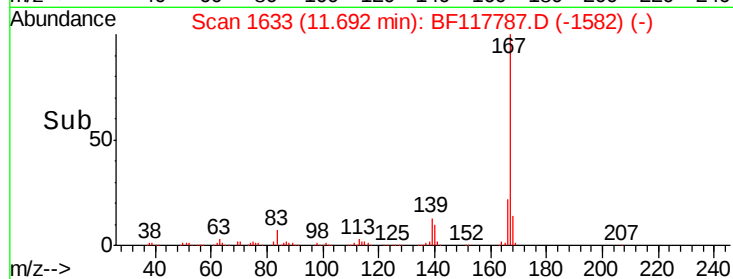
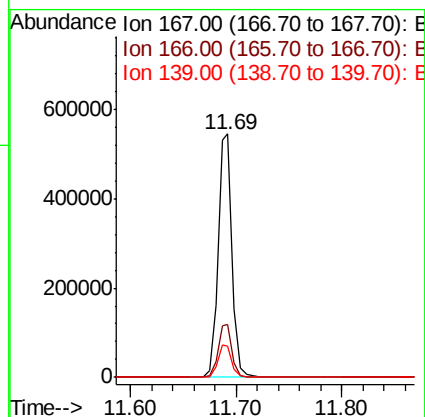
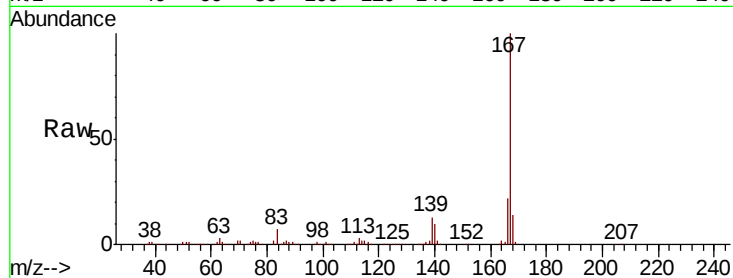




#73
 Carbazole
 Concen: 11.936 ng
 RT: 11.69 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

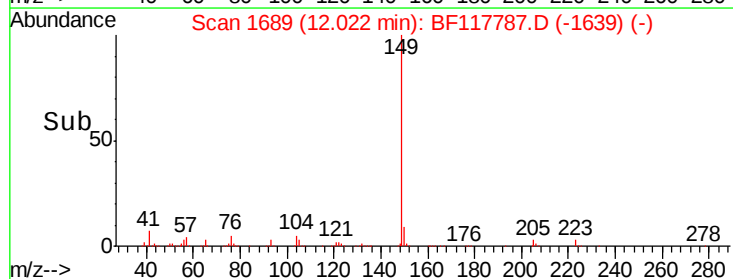
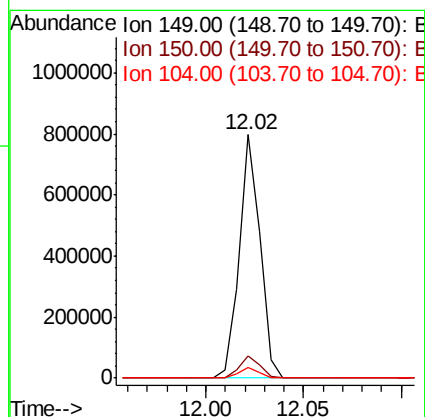
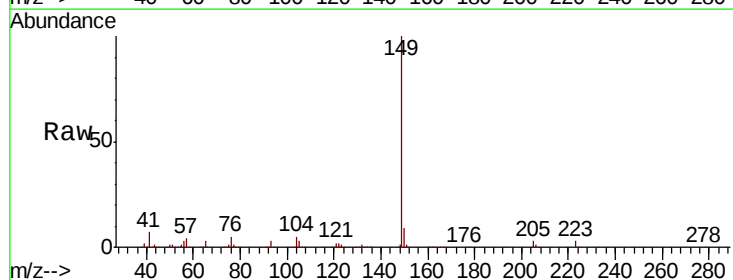
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

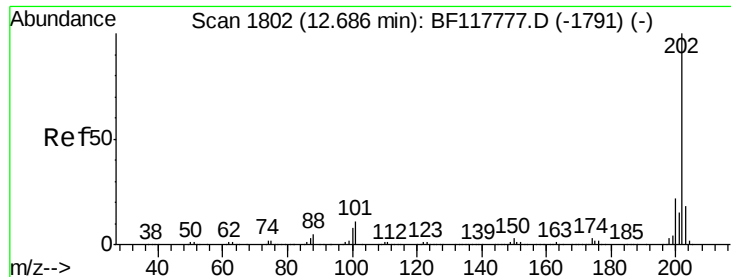
Tot Ion:167 Resp: 509837
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.0 27.0
 139 13.1 11.7 17.5



#74
 Di-n-butylphthalate
 Concen: 11.035 ng
 RT: 12.02 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BF117787.D
 Acq: 14 Nov 2019 10:41

Tgt Ion:149 Resp: 586869
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.9 11.9
 104 4.6 4.2 6.4





#75

Fluoranthene

Concen: 12.459 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

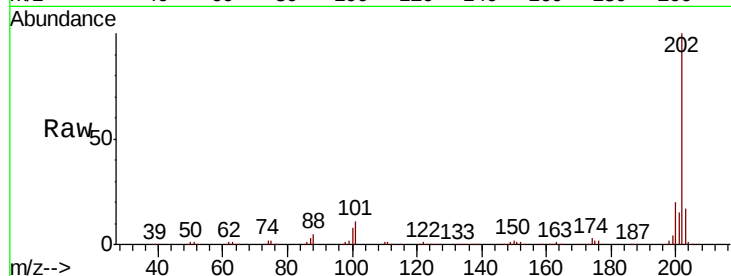
Tot Ion:202 Resp: 594184

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.1

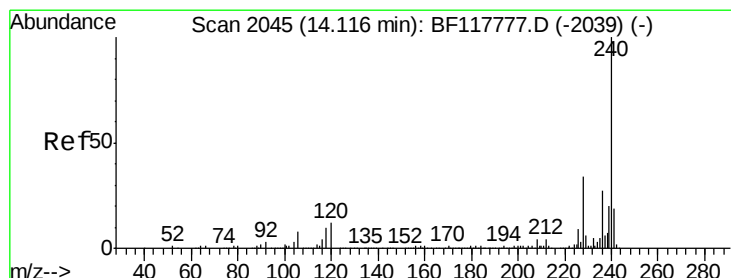
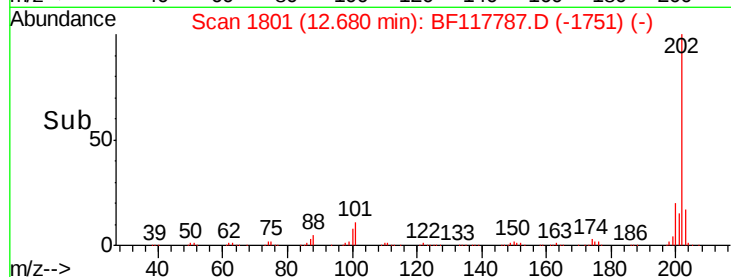
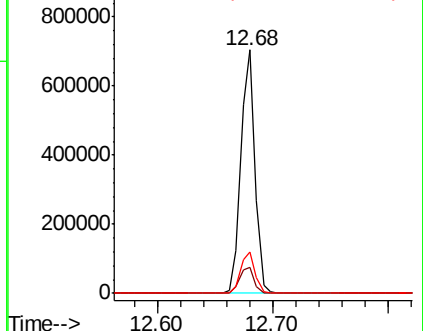
203 16.9 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

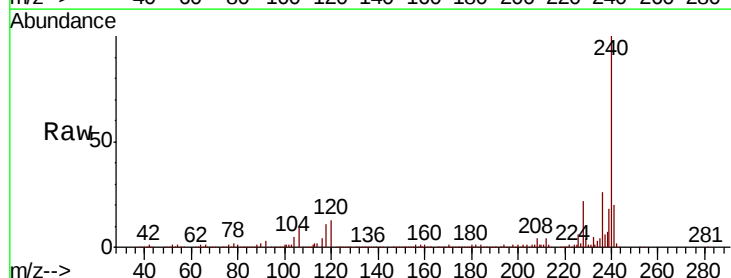
Tgt Ion:240 Resp: 718276

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

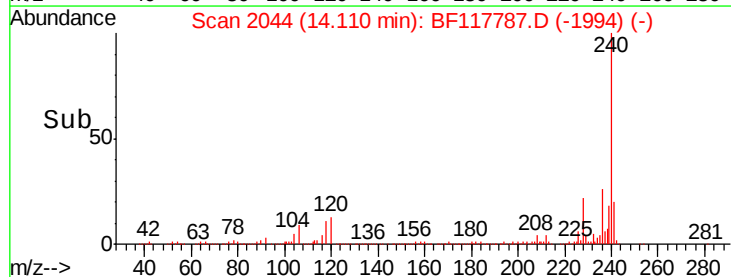
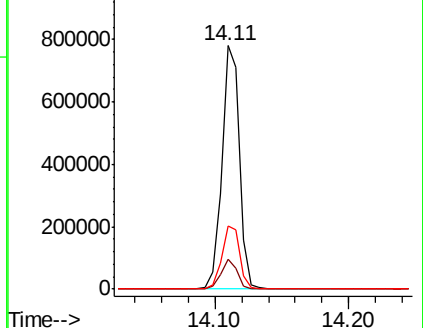
236 26.1 21.3 31.9

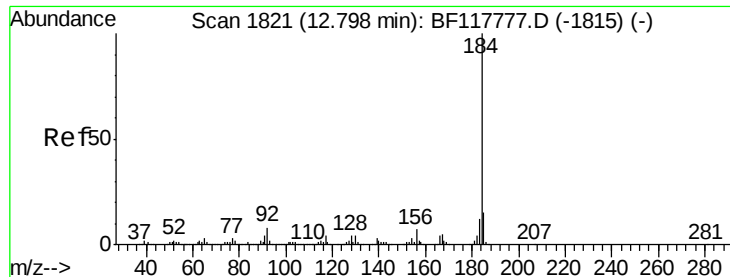


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 11.320 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

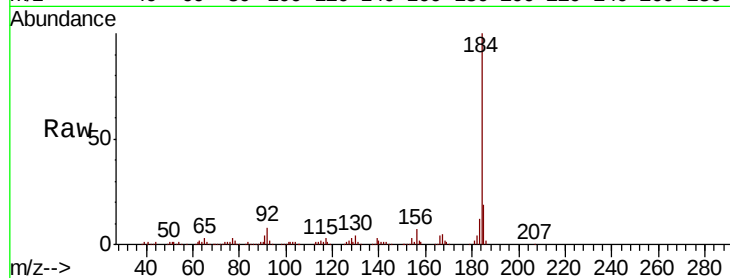
Tot Ion:184 Resp: 266337

Ion Ratio Lower Upper

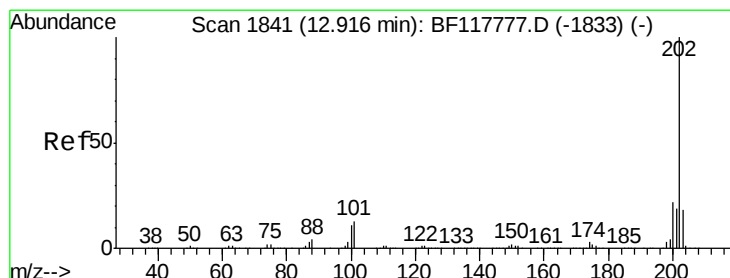
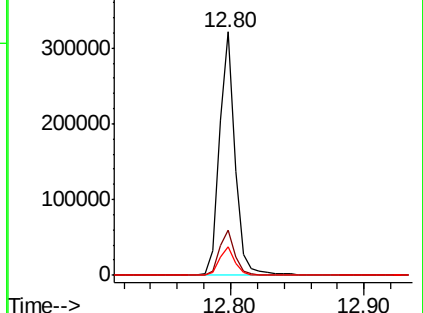
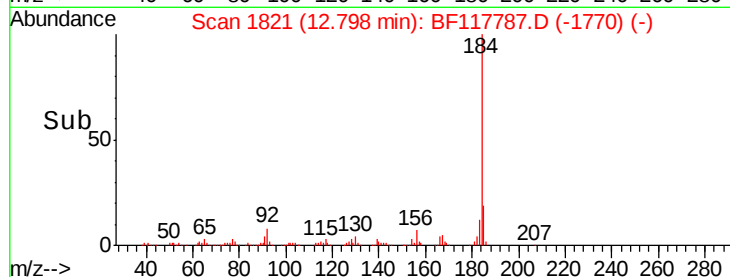
184 100

185 18.6 12.2 18.4#

183 11.9 9.5 14.3



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



#78

Pyrene

Concen: 10.405 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

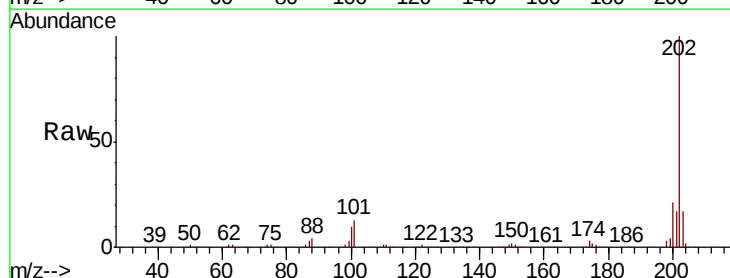
Tgt Ion:202 Resp: 604012

Ion Ratio Lower Upper

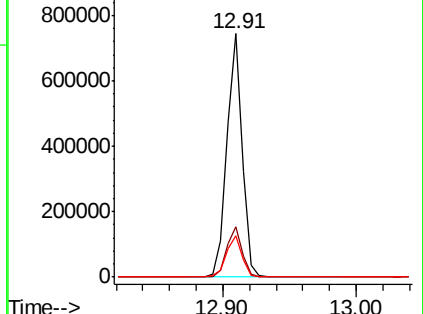
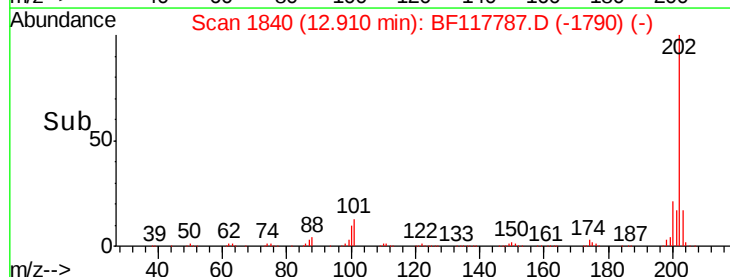
202 100

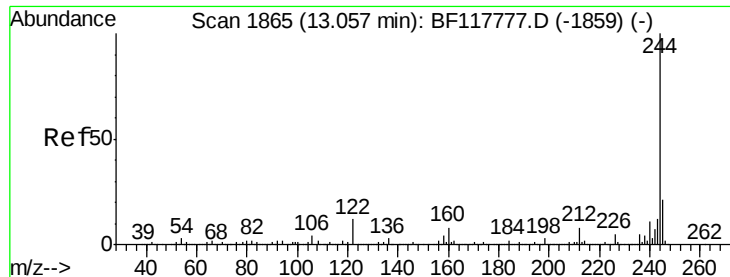
200 20.9 17.8 26.8

203 17.2 14.6 22.0



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





#79

Terphenyl-d14

Concen: 85.156 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

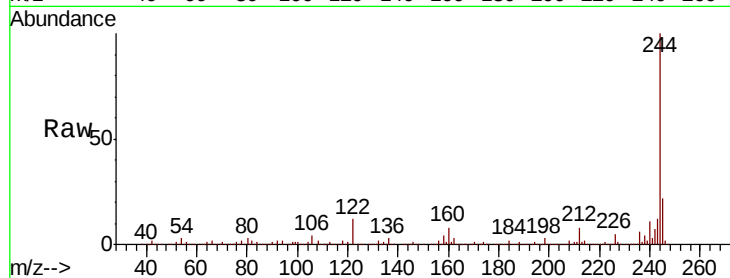
Tot Ion:244 Resp: 3346751

Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

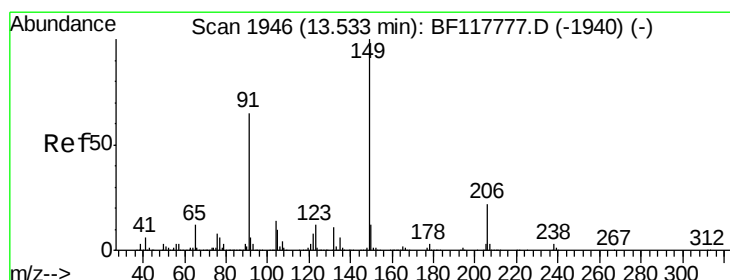
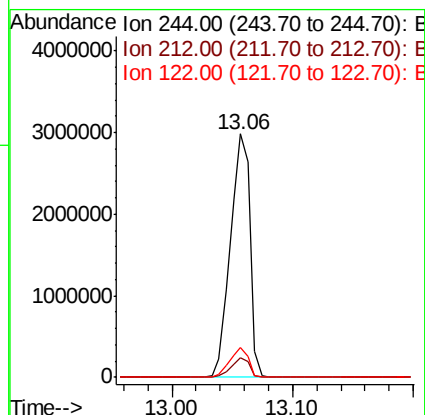
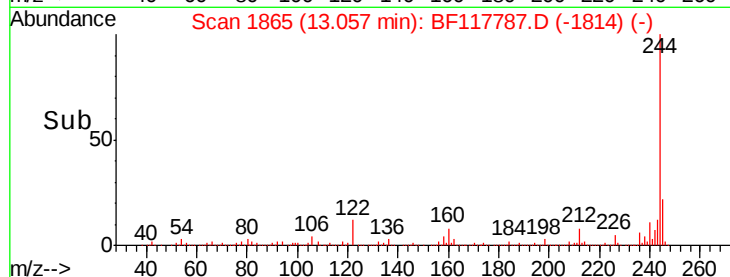
122 12.4 9.4 14.2



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



#80

Butylbenzylphthalate

Concen: 9.007 ng

RT: 13.53 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

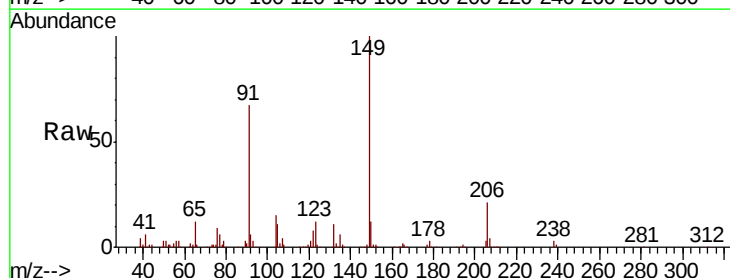
Tgt Ion:149 Resp: 224570

Ion Ratio Lower Upper

149 100

91 67.1 51.9 77.9

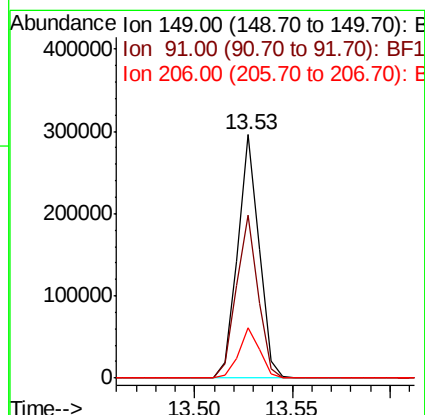
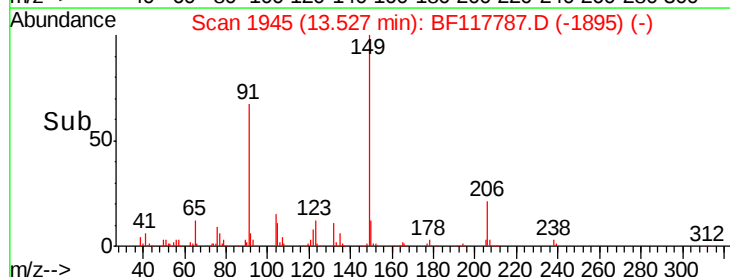
206 20.7 17.2 25.8

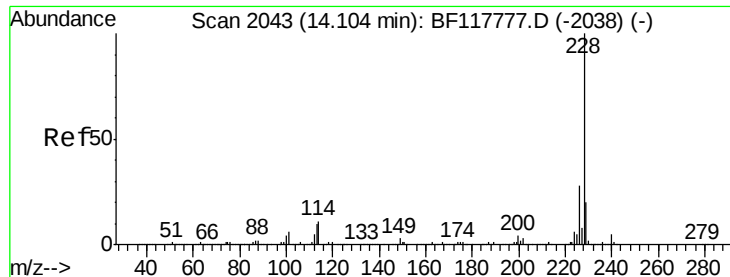


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 10.866 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

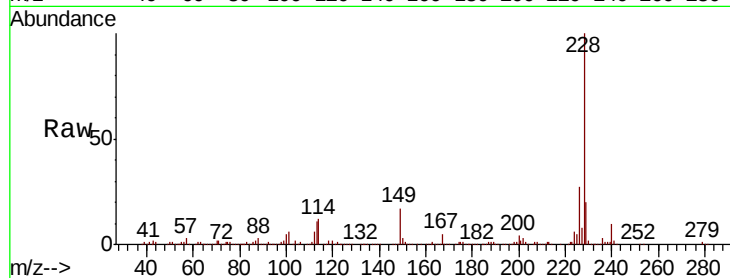
Tot Ion:228 Resp: 515734

Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.2

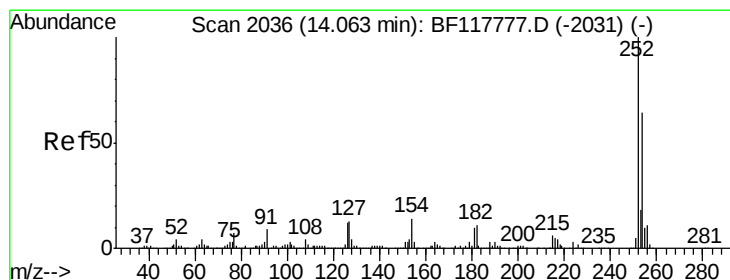
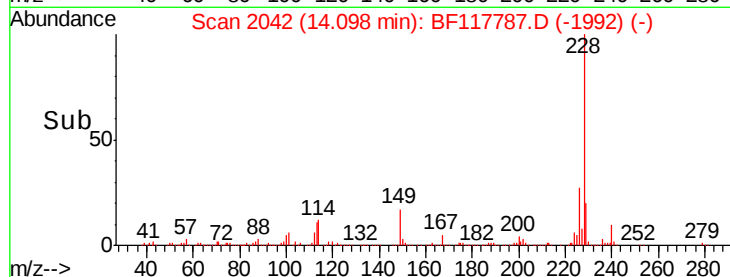
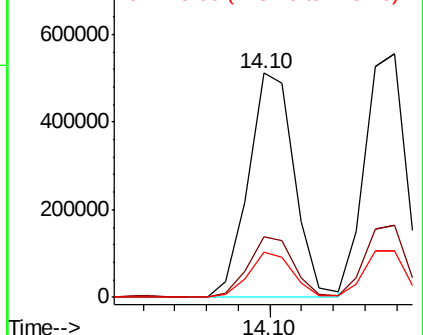
229 20.1 15.9 23.9



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



#82

3,3'-Dichlorobenzidine

Concen: 11.093 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

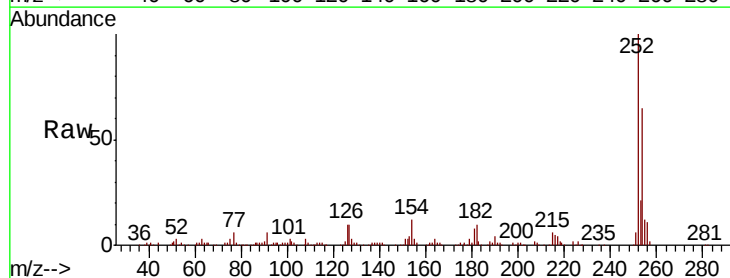
Tgt Ion:252 Resp: 184174

Ion Ratio Lower Upper

252 100

254 65.4 51.0 76.6

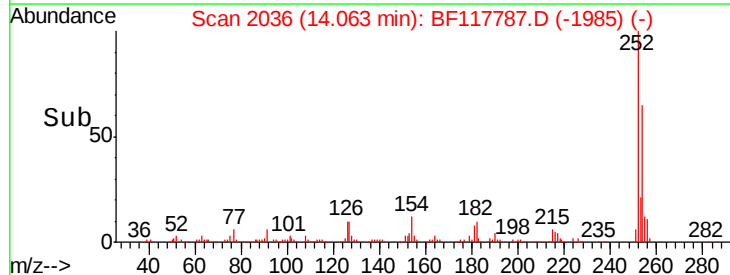
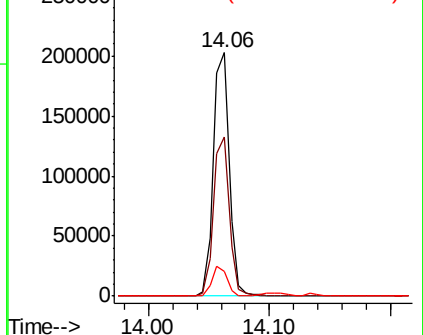
126 10.2 9.7 14.5

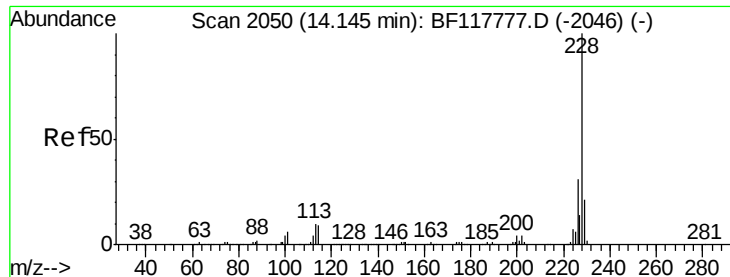


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 10.841 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

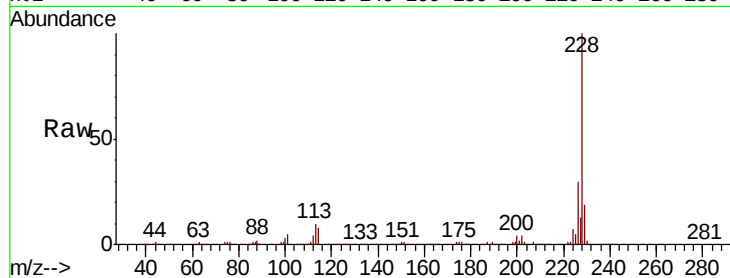
Tot Ion:228 Resp: 498634

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.4

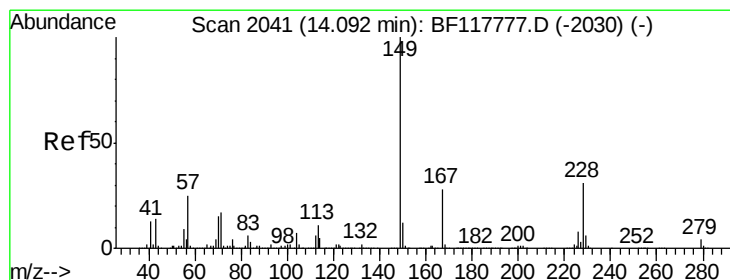
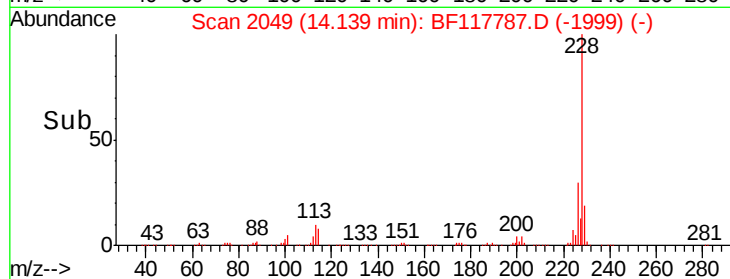
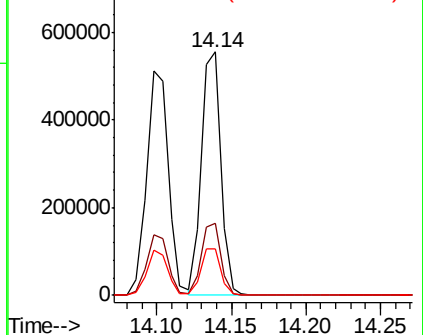
229 19.2 16.6 25.0



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.886 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

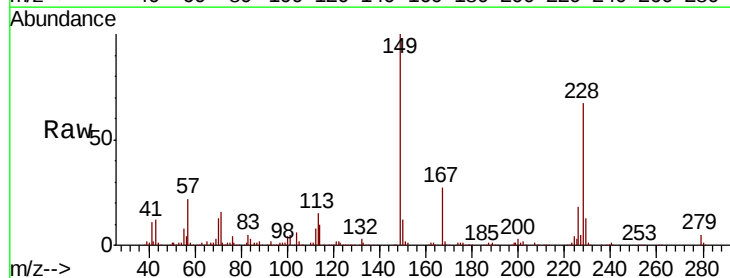
Tgt Ion:149 Resp: 298810

Ion Ratio Lower Upper

149 100

167 26.6 22.2 33.2

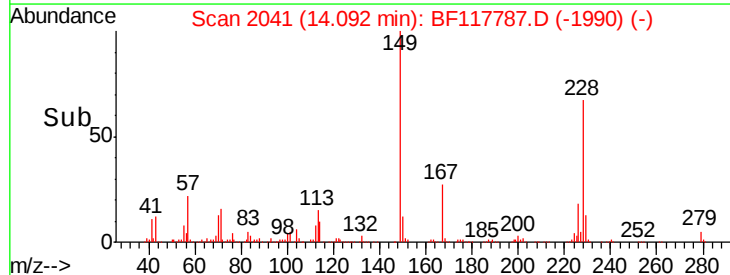
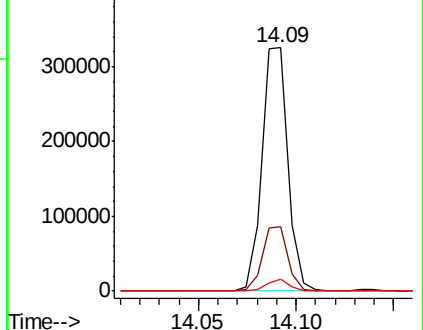
279 4.8 3.4 5.2

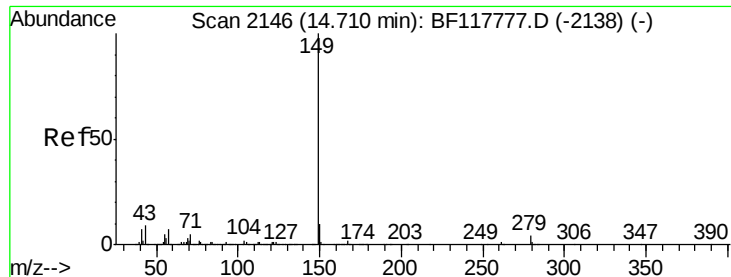


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 9.910 ng

RT: 14.71 min Scan# 2146

Delta R.T. 0.00 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

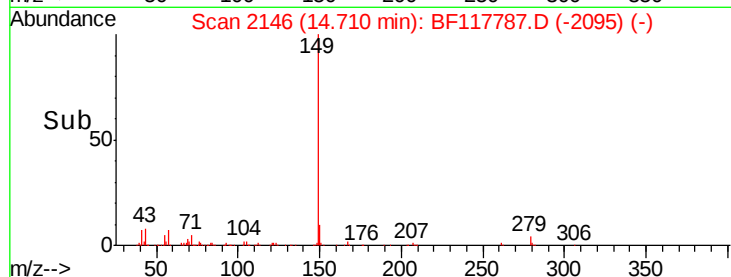
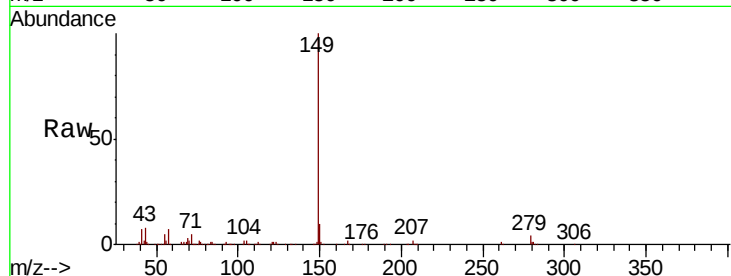
Tot Ion:149 Resp: 440067

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

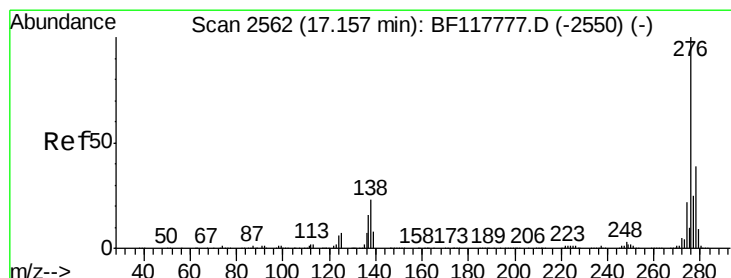
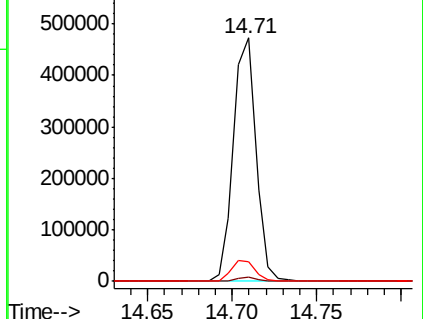
43 9.3 7.4 11.2



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.339 ng

RT: 17.14 min Scan# 2560

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

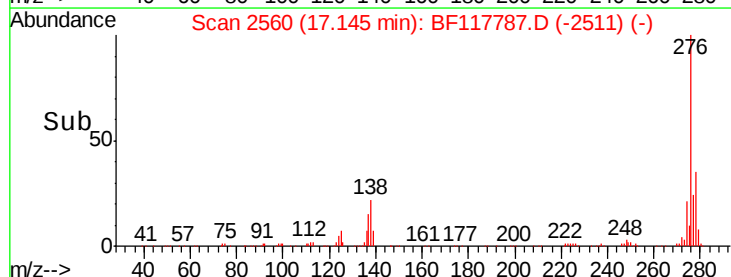
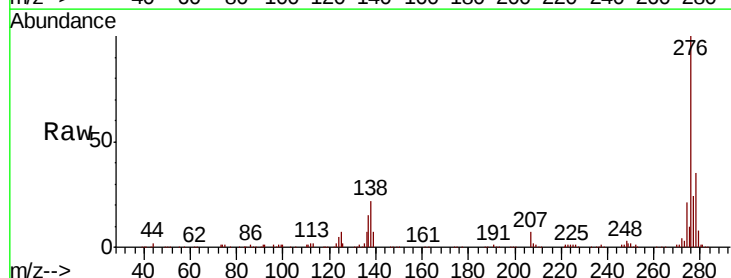
Tgt Ion:276 Resp: 365557

Ion Ratio Lower Upper

276 100

138 26.2 20.9 31.3

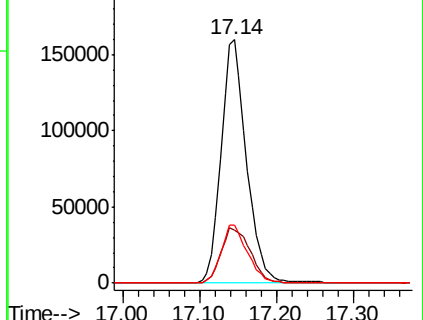
277 24.9 20.3 30.5

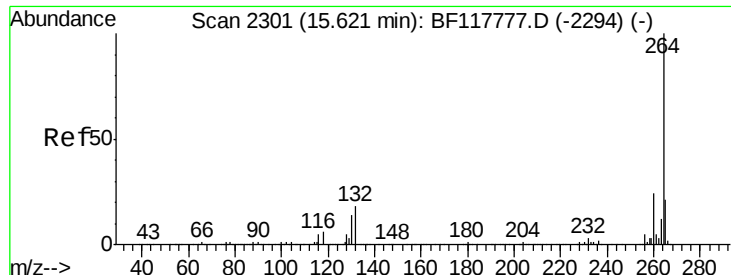


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



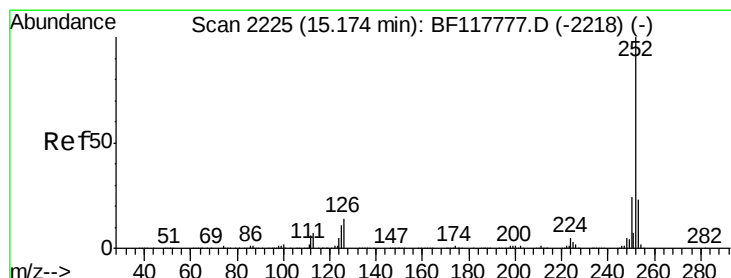
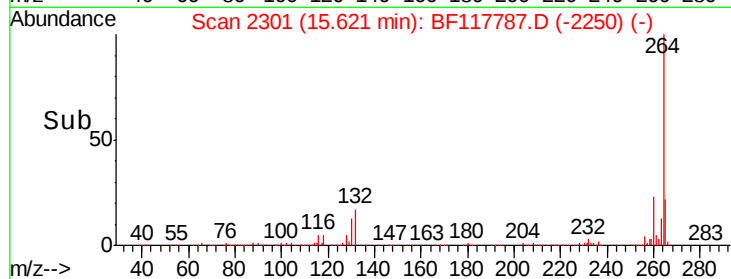
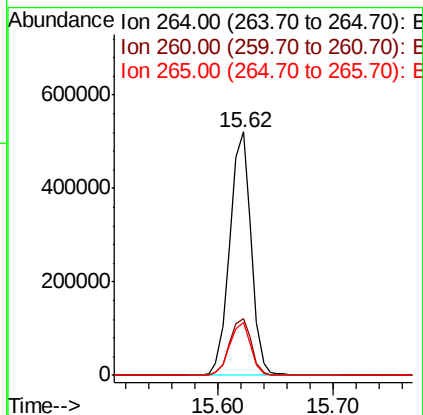
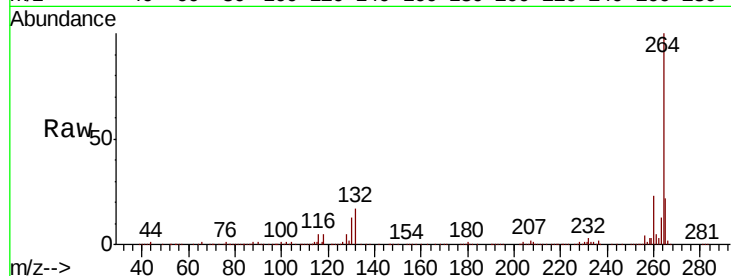


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:264 Resp: 667462

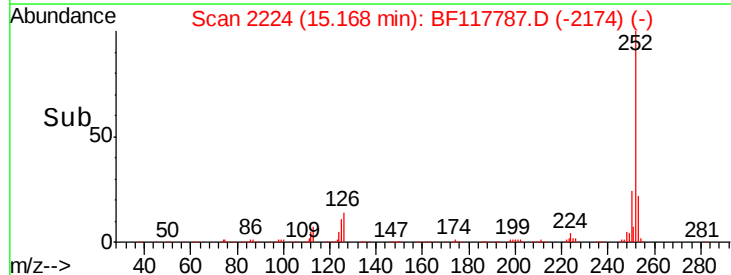
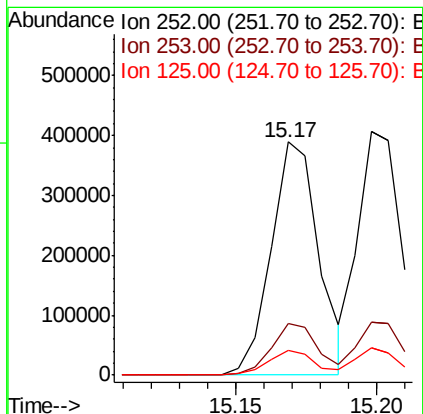
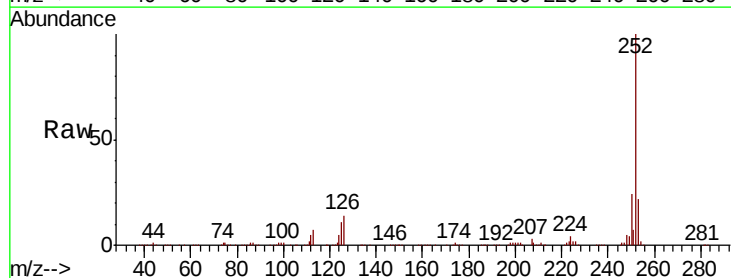
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	21.5	17.1	25.7

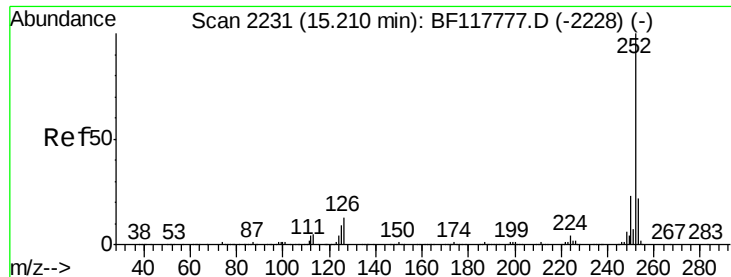


#88
Benzo(b)fluoranthene
Concen: 10.528 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:252 Resp: 456543

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	10.7	8.6	13.0

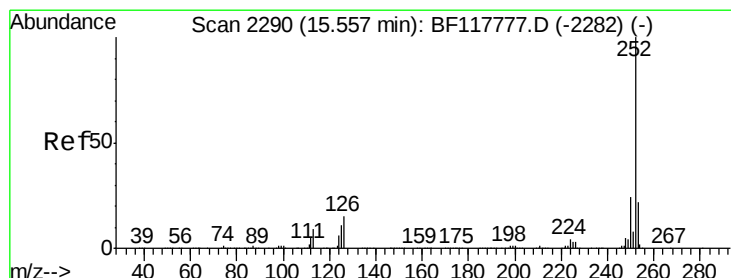
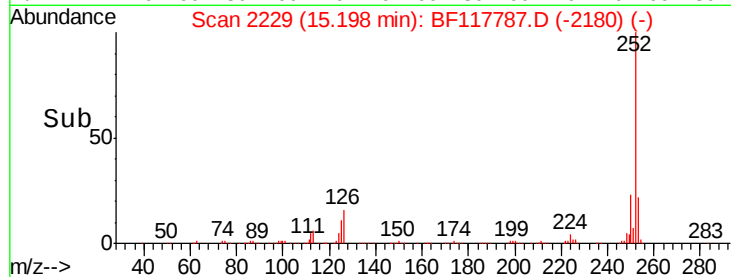
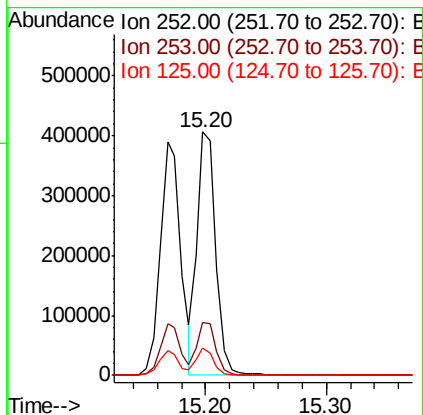
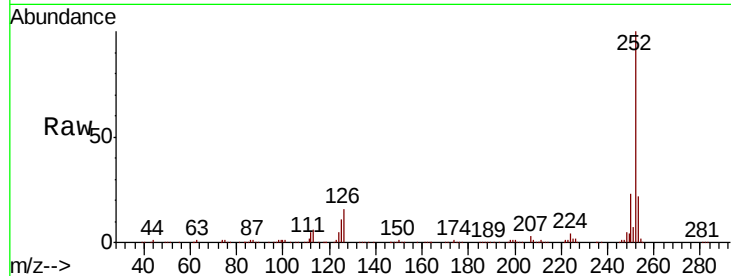




#89
Benzo(k)fluoranthene
Concen: 10.744 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

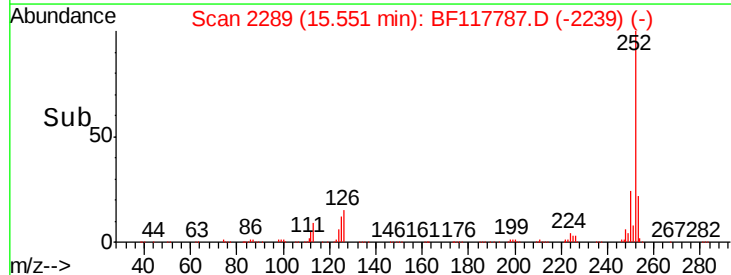
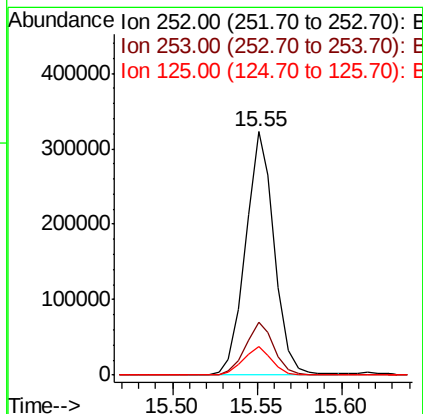
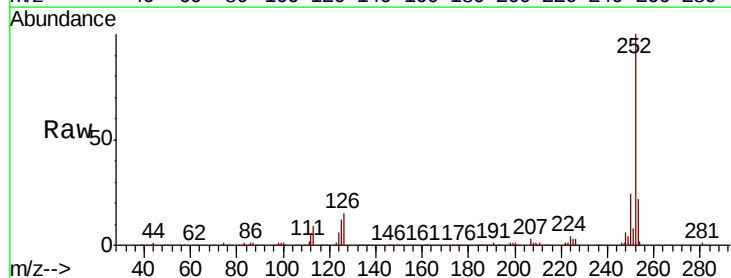
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2019

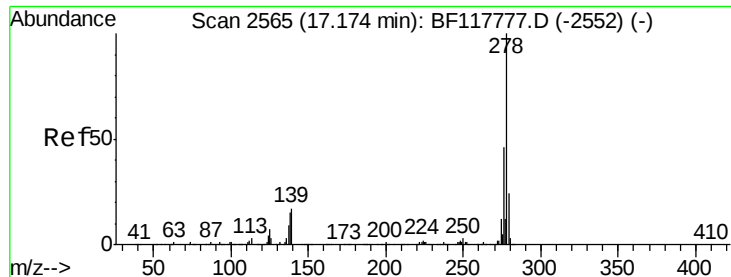
Tot Ion:252 Resp: 438981
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 11.1 7.9 11.9



#90
Benzo(a)pyrene
Concen: 9.982 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117787.D
Acq: 14 Nov 2019 10:41

Tgt Ion:252 Resp: 380649
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 11.8 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 9.235 ng

RT: 17.16 min Scan# 2563

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2019

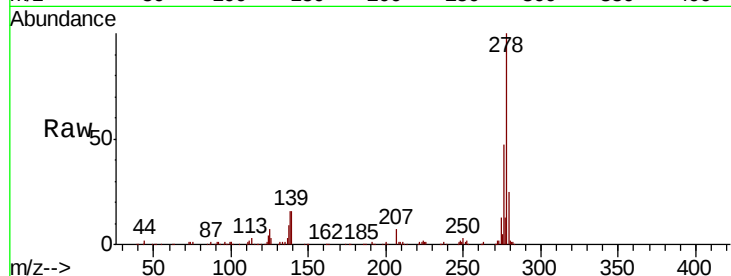
Tot Ion:278 Resp: 303124

Ion Ratio Lower Upper

278 100

139 16.5 13.8 20.8

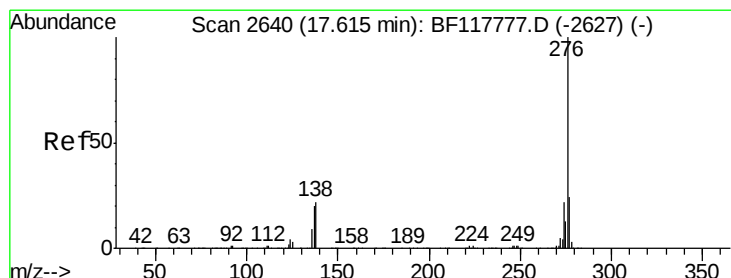
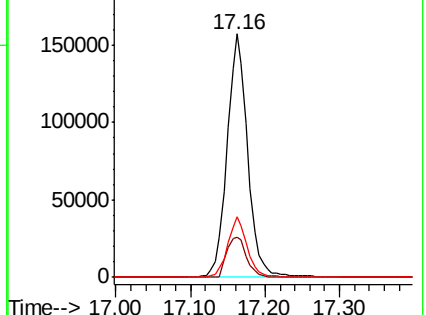
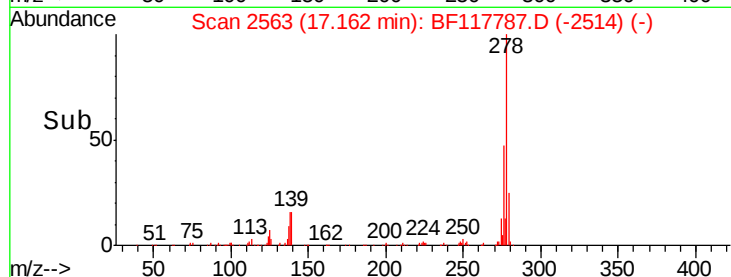
279 25.0 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.002 ng

RT: 17.60 min Scan# 2638

Delta R.T. -0.01 min

Lab File: BF117787.D

Acq: 14 Nov 2019 10:41

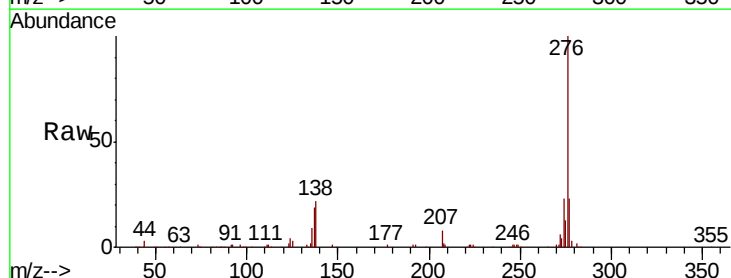
Tgt Ion:276 Resp: 294284

Ion Ratio Lower Upper

276 100

277 22.9 18.9 28.3

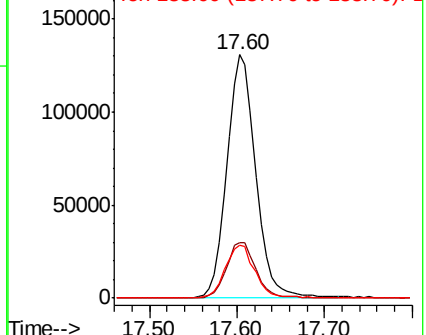
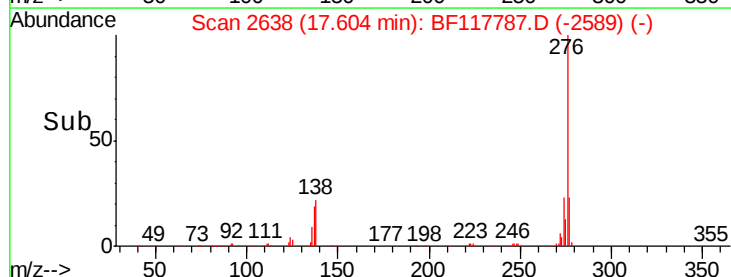
138 21.9 17.4 26.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111419\
 Data File : BF117787.D
 Acq On : 14 Nov 2019 10:41
 Operator : JU
 Sample : K5111-02
 Misc : LOO-SOIL-10PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Quant Time: Nov 14 11:23:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 14 10:38:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	252676	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	992977	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	516463	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	980549	20.00	ng	0.00
76) Chrysene-d12	14.11	240	718276	20.00	ng	0.00
87) Perylene-d12	15.62	264	667462	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1917403	134.32	ng	0.00
7) Phenol-d6	6.55	99	2315823	134.50	ng	0.00
23) Nitrobenzene-d5	7.49	82	1677454	100.42	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	737864	134.95	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2914784	101.25	ng	0.00
79) Terphenyl-d14	13.06	244	3346751	85.16	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.72	88	68614	10.283	ng	99
3) Pyridine	3.52	79	165212	9.439	ng	96
4) n-Nitrosodimethylamine	3.42	42	80918	10.591	ng	# 95
6) Aniline	6.59	93	265982	11.690	ng	98
8) 2-Chlorophenol	6.71	128	179698	11.601	ng	96
9) Benzaldehyde	6.47	77	149292	13.881	ng	97
10) Phenol	6.56	94	204223	11.415	ng	96
11) bis(2-Chloroethyl)ether	6.66	93	164653	11.460	ng	97
12) 1,3-Dichlorobenzene	6.86	146	209442	11.485	ng	97
13) 1,4-Dichlorobenzene	6.94	146	211571	11.478	ng	98
14) 1,2-Dichlorobenzene	7.10	146	197309	11.193	ng	97
15) Benzyl Alcohol	7.06	79	138320	10.406	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.20	45	240505	10.872	ng	99
17) 2-Methylphenol	7.16	107	149715	11.414	ng	99
18) Hexachloroethane	7.44	117	73566	10.864	ng	90
19) n-Nitroso-di-n-propylamine	7.33	70	123937	11.668	ng	98
20) 3+4-Methylphenols	7.32	107	191428	11.757	ng	95
22) Acetophenone	7.33	105	260032	11.656	ng	# 97
24) Nitrobenzene	7.50	77	194818	11.305	ng	100
25) Isophorone	7.74	82	337542	11.025	ng	97
26) 2-Nitrophenol	7.82	139	89031	10.615	ng	99
27) 2,4-Dimethylphenol	7.85	122	153292	11.762	ng	99
28) bis(2-Chloroethoxy)methane	7.95	93	209923	10.805	ng	97
29) 2,4-Dichlorophenol	8.06	162	152605	10.795	ng	100
30) 1,2,4-Trichlorobenzene	8.15	180	175565	10.706	ng	96
31) Naphthalene	8.23	128	556275	12.017	ng	98
32) Benzoic acid	7.92	122	76316	6.993	ng	100
33) 4-Chloroaniline	8.27	127	226565	10.933	ng	98
34) Hexachlorobutadiene	8.35	225	98597	10.284	ng	99
35) Caprolactam	8.61	113	46549	10.360	ng	99
36) 4-Chloro-3-methylphenol	8.75	107	155807	10.860	ng	96
37) 2-Methylnaphthalene	8.92	142	372553	11.911	ng	99
38) 1-Methylnaphthalene	9.02	142	349593	11.823	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.09	216	164592	10.974	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111419\
 Data File : BF117787.D
 Acq On : 14 Nov 2019 10:41
 Operator : JU
 Sample : K5111-02
 Misc : LOO-SOIL-10PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Quant Time: Nov 14 11:23:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 14 10:38:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.08	237	92308	10.982	ng	99
43) 2,4,6-Trichlorophenol	9.20	196	108803	10.128	ng	96
44) 2,4,5-Trichlorophenol	9.23	196	116356	10.432	ng	97
46) 1,1'-Biphenyl	9.39	154	462599	12.073	ng	96
47) 2-Chloronaphthalene	9.42	162	347407	11.021	ng	98
48) 2-Nitroaniline	9.50	65	93476	9.823	ng	97
49) Acenaphthylene	9.83	152	550275	11.974	ng	98
50) Dimethylphthalate	9.68	163	395718	10.926	ng	99
51) 2,6-Dinitrotoluene	9.75	165	86391	10.914	ng	93
52) Acenaphthene	10.00	154	344403	11.699	ng	96
53) 3-Nitroaniline	9.91	138	92167	9.731	ng	98
54) 2,4-Dinitrophenol	10.02	184	26986	7.680	ng	# 6
55) Dibenzofuran	10.17	168	490328	12.028	ng	96
56) 4-Nitrophenol	10.06	139	72299	10.227	ng	98
57) 2,4-Dinitrotoluene	10.15	165	108216	10.748	ng	96
58) Fluorene	10.52	166	372613	11.795	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.29	232	94760	10.340	ng	97
60) Diethylphthalate	10.39	149	386994	10.960	ng	98
61) 4-Chlorophenyl-phenylether	10.51	204	188661	11.768	ng	99
62) 4-Nitroaniline	10.52	138	91972	9.698	ng	96
63) Azobenzene	10.67	77	367303	11.434	ng	97
65) 4,6-Dinitro-2-methylphenol	10.56	198	42324	9.246	ng	92
66) n-Nitrosodiphenylamine	10.63	169	331105	11.603	ng	99
67) 4-Bromophenyl-phenylether	11.00	248	115128	10.882	ng	97
68) Hexachlorobenzene	11.07	284	134499	10.902	ng	99
69) Atrazine	11.15	200	95211	10.143	ng	98
70) Pentachlorophenol	11.26	266	70144	9.732	ng	99
71) Phenanthrene	11.49	178	584849	11.863	ng	97
72) Anthracene	11.54	178	589925	12.069	ng	98
73) Carbazole	11.69	167	509837	11.936	ng	98
74) Di-n-butylphthalate	12.02	149	586869	11.035	ng	98
75) Fluoranthene	12.68	202	594184	12.459	ng	98
77) Benzidine	12.80	184	266337	11.320	ng	# 95
78) Pyrene	12.91	202	604012	10.405	ng	97
80) Butylbenzylphthalate	13.53	149	224570	9.007	ng	97
81) Benzo(a)anthracene	14.10	228	515734	10.866	ng	99
82) 3,3'-Dichlorobenzidine	14.06	252	184174	11.093	ng	98
83) Chrysene	14.14	228	498634	10.841	ng	97
84) Bis(2-ethylhexyl)phthalate	14.09	149	298810	9.886	ng	98
85) Di-n-octyl phthalate	14.71	149	440067	9.910	ng	100
86) Indeno(1,2,3-cd)pyrene	17.14	276	365557	9.339	ng	99
88) Benzo(b)fluoranthene	15.17	252	456543	10.528	ng	99
89) Benzo(k)fluoranthene	15.20	252	438981	10.744	ng	99
90) Benzo(a)pyrene	15.55	252	380649	9.982	ng	99
91) Dibenzo(a,h)anthracene	17.16	278	303124	9.235	ng	99
92) Benzo(g,h,i)perylene	17.60	276	294284	9.002	ng	99

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