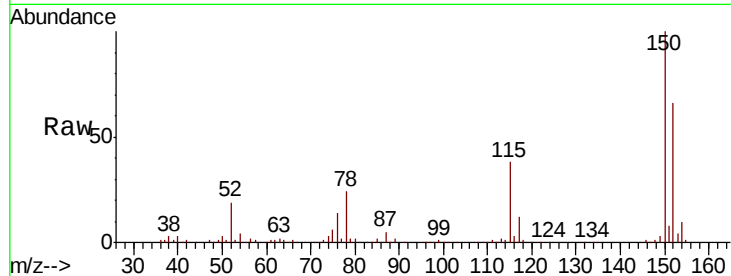


#1

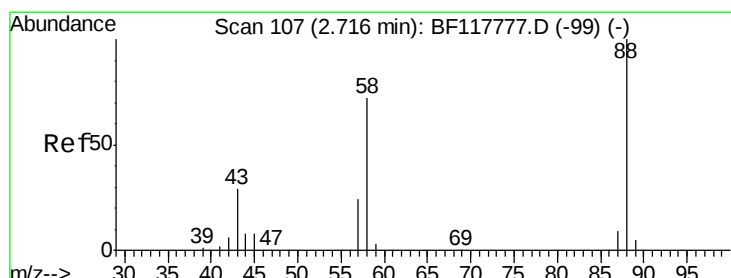
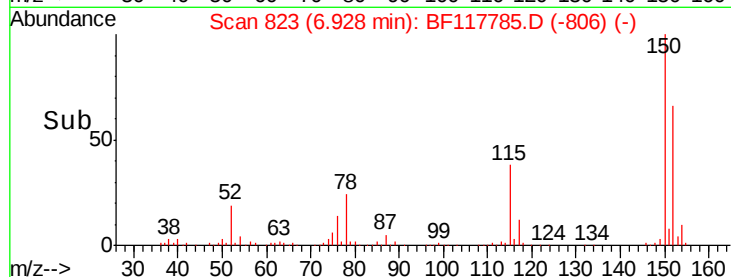
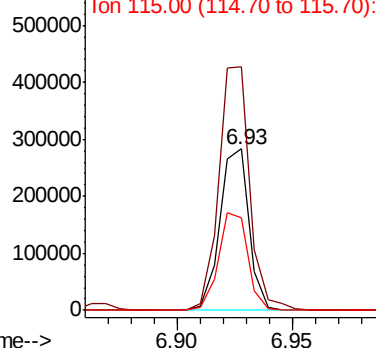
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:152 Resp: 251358
Ion Ratio Lower Upper
152 100
150 150.8 125.3 187.9
115 57.4 47.0 70.4



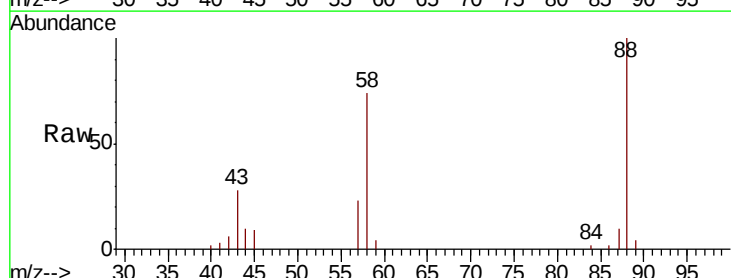
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



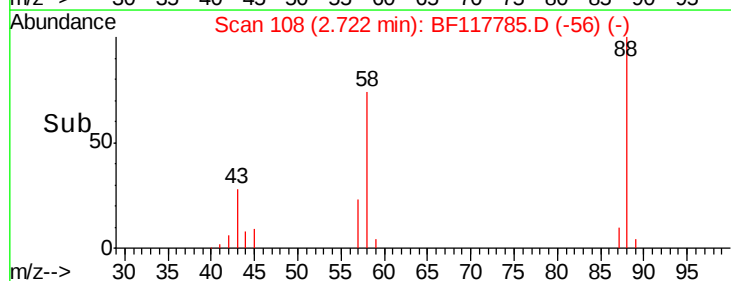
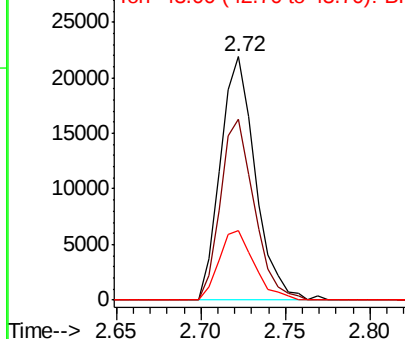
#2

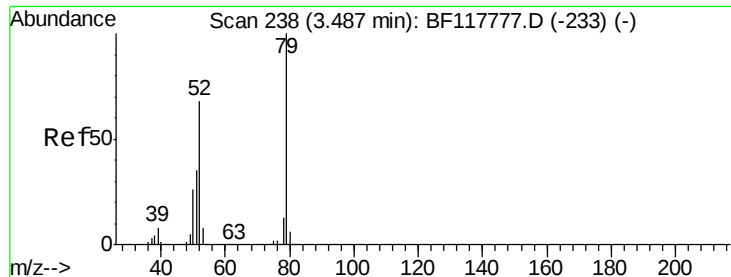
1,4-Dioxane
Concen: 4.730 ng
RT: 2.72 min Scan# 108
Delta R.T. 0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion: 88 Resp: 31394
Ion Ratio Lower Upper
88 100
58 72.0 58.2 87.2
43 29.1 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: 4.156 ng

RT: 3.55 min Scan# 249

Delta R.T. 0.06 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

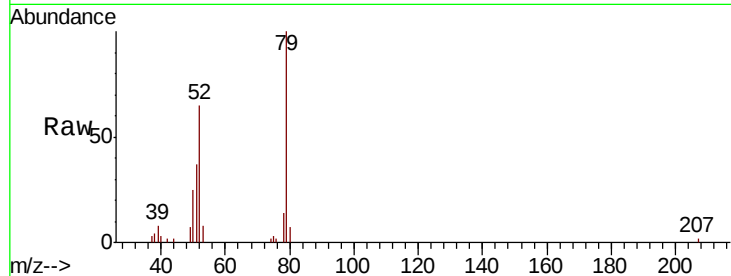
Tot Ion: 79 Resp: 72356

Ion Ratio Lower Upper

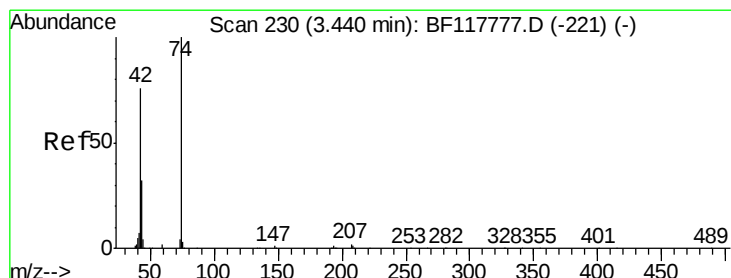
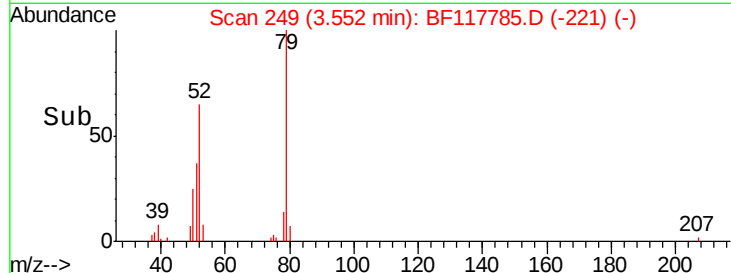
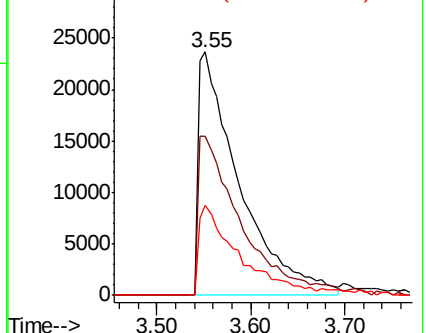
79 100

52 65.2 54.8 82.2

51 36.8 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: 4.941 ng

RT: 3.42 min Scan# 227

Delta R.T. -0.02 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

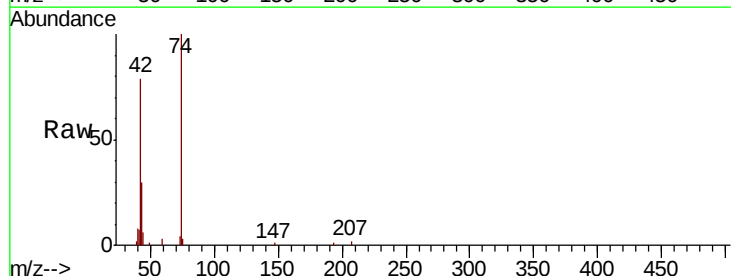
Tgt Ion: 42 Resp: 37551

Ion Ratio Lower Upper

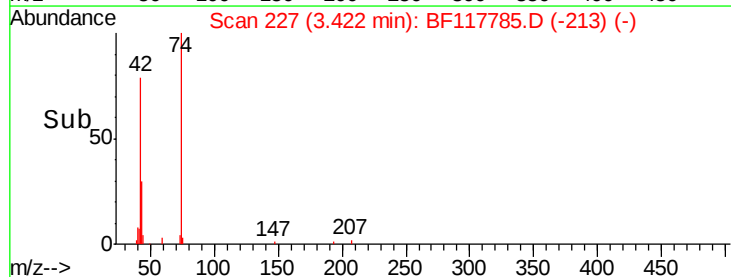
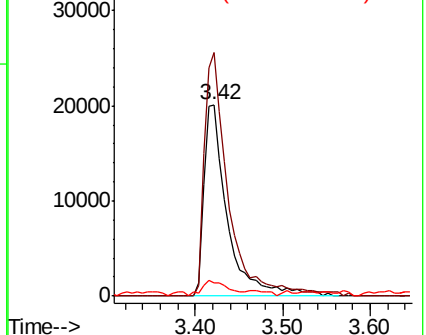
42 100

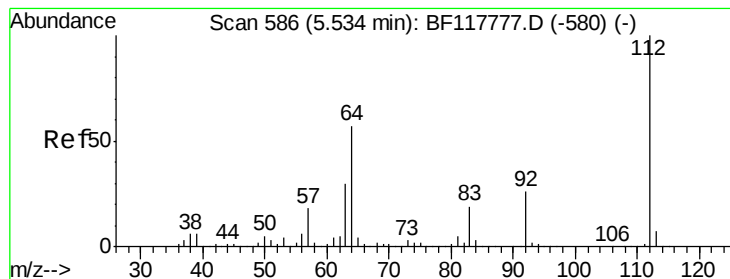
74 127.4 105.1 157.7

44 7.2 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: 134.548 ng

RT: 5.54 min Scan# 587

Delta R.T. 0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

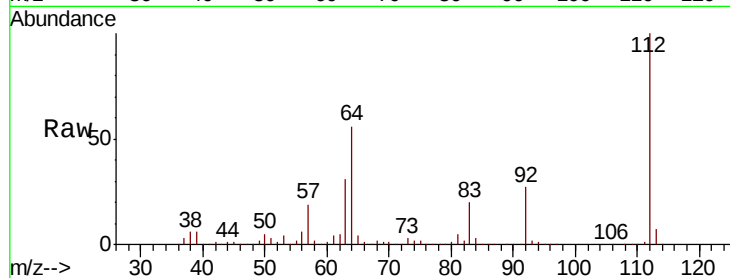
Tot Ion:112 Resp: 1910599

Ion Ratio Lower Upper

112 100

64 56.4 45.6 68.4

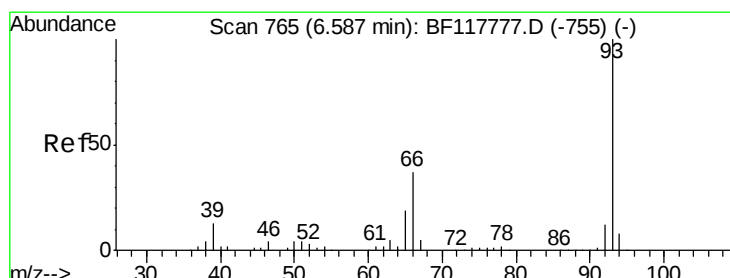
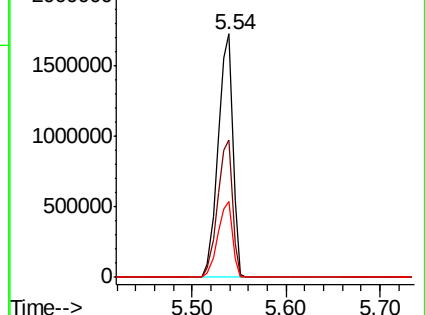
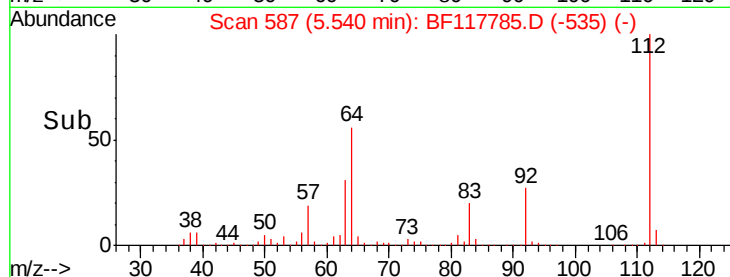
63 31.0 24.1 36.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 5.776 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

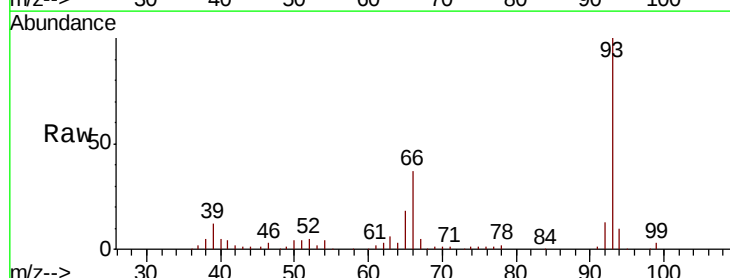
Tgt Ion: 93 Resp: 130741

Ion Ratio Lower Upper

93 100

66 36.6 30.6 45.8

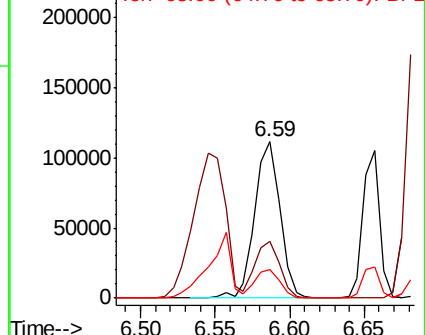
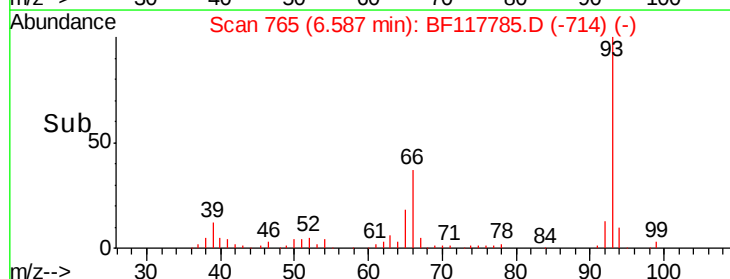
65 18.2 15.6 23.4

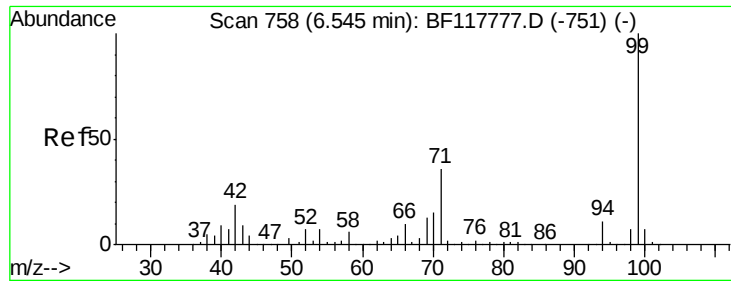


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 135.405 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

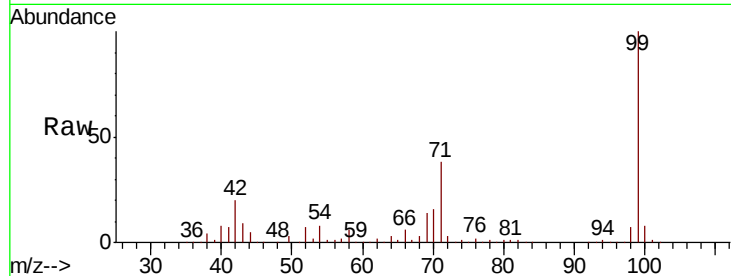
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion: 99 Resp: 2319180

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.9	22.3
71	37.7	28.6	43.0

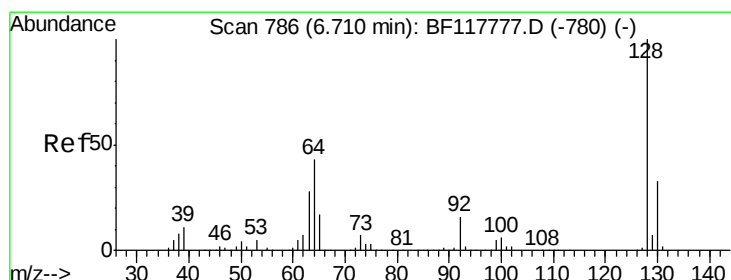
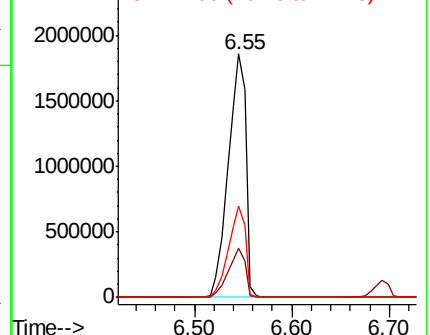
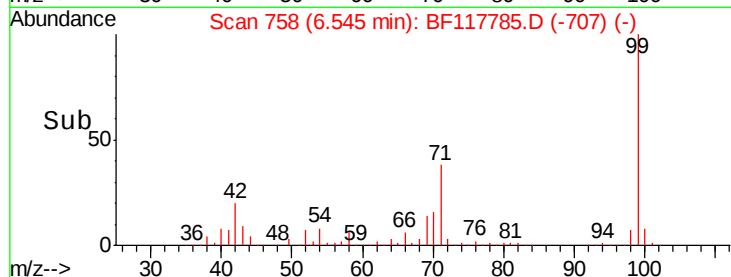


Abundance

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: 5.643 ng

RT: 6.71 min Scan# 786

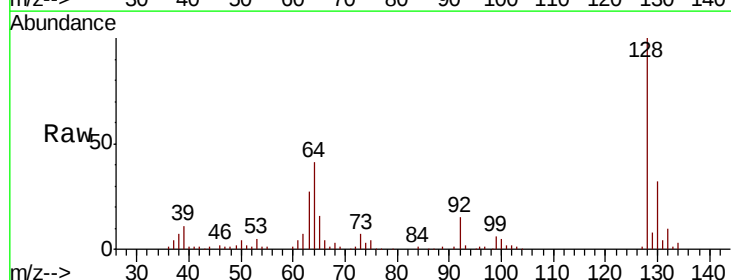
Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Tgt Ion: 128 Resp: 86944

Ion	Ratio	Lower	Upper
128	100		
130	32.0	13.2	53.2
64	41.4	23.7	63.7

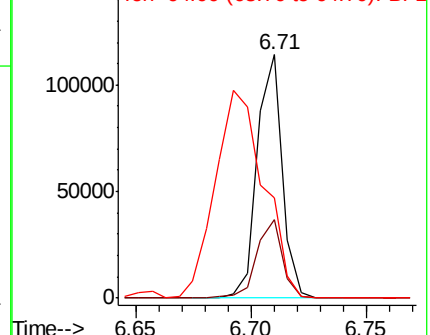
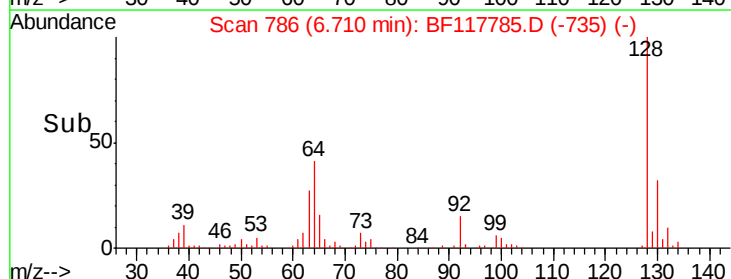


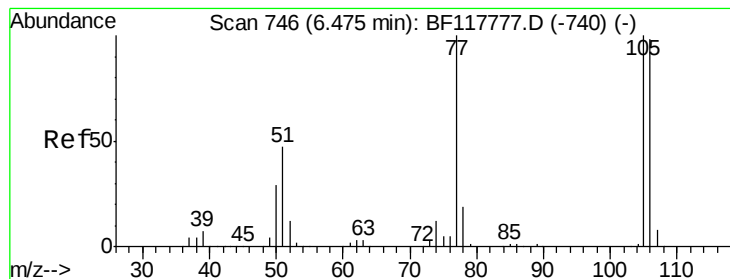
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 6.727 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleID :

LOD-MDL-SOIL-01-QT4-2019

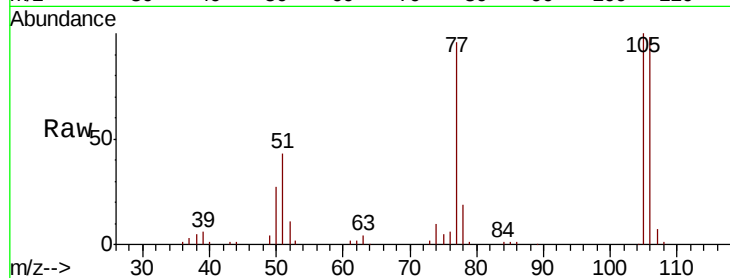
Tot Ion: 77 Resp: 71968

Ion Ratio Lower Upper

77 100

105 104.6 80.2 120.2

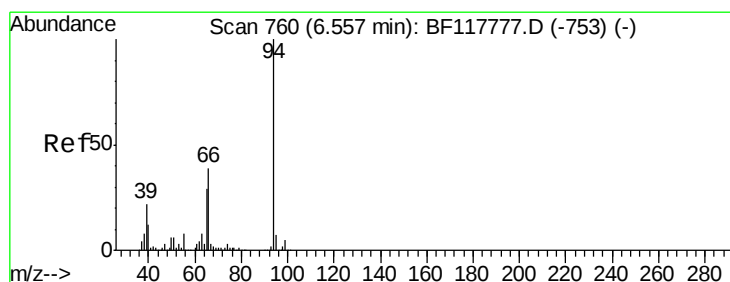
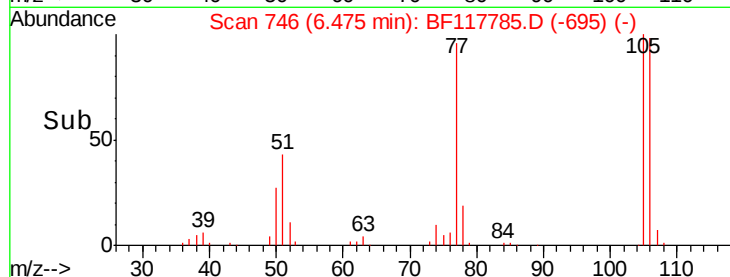
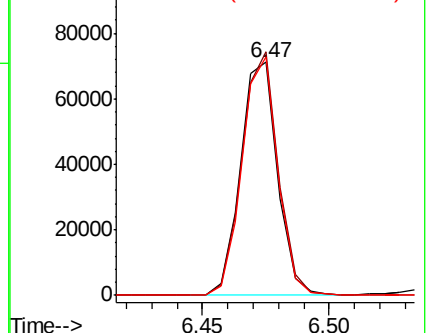
106 102.6 78.4 118.4



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: 5.555 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

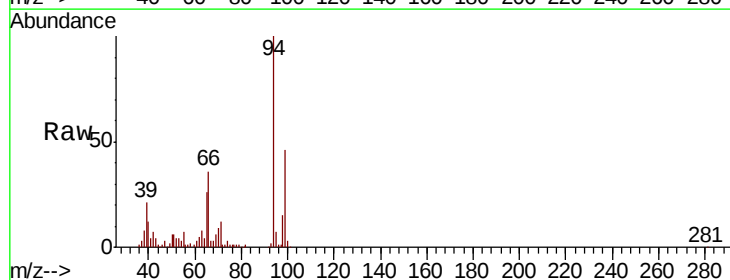
Tgt Ion: 94 Resp: 98860

Ion Ratio Lower Upper

94 100

65 26.5 8.9 48.9

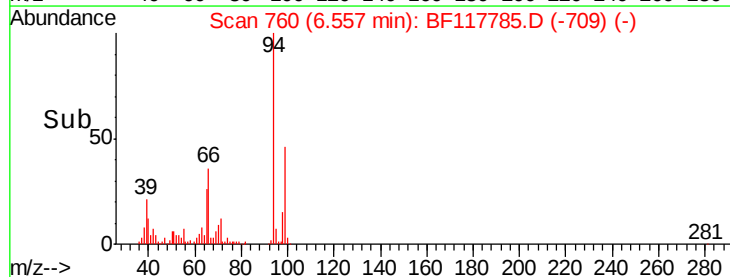
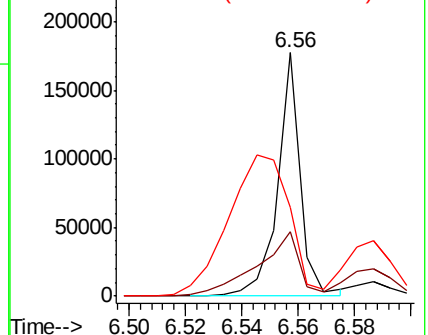
66 36.4 18.7 58.7

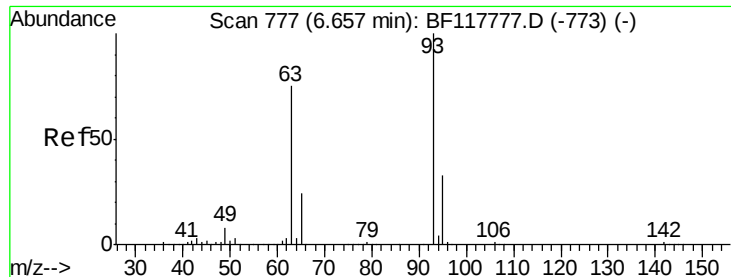


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

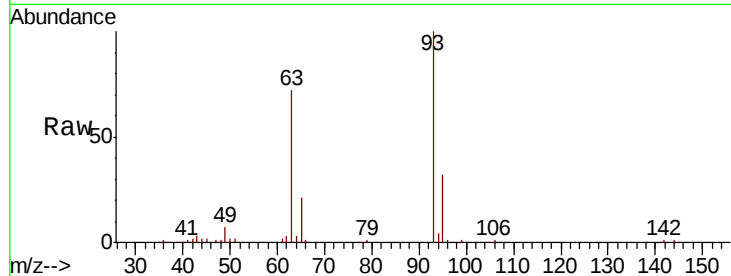




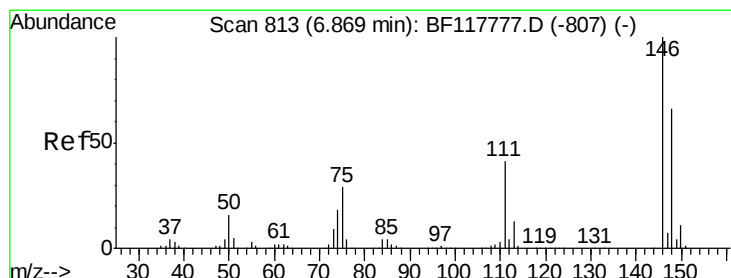
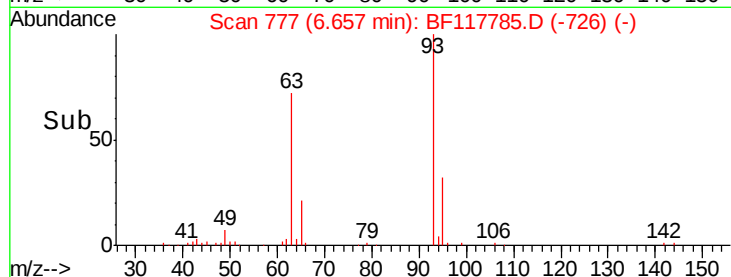
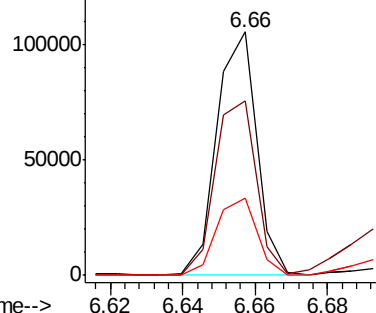
#11
bis(2-Chloroethyl)ether
Concen: 5.649 ng
RT: 6.66 min Scan# 777
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.8	54.8	94.8
95	31.7	12.7	52.7

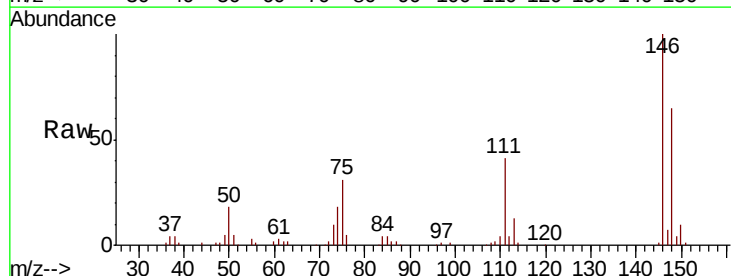


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

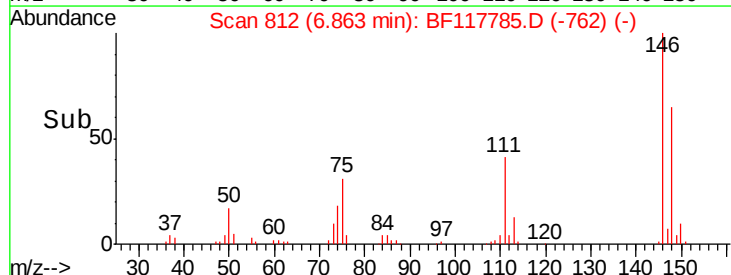
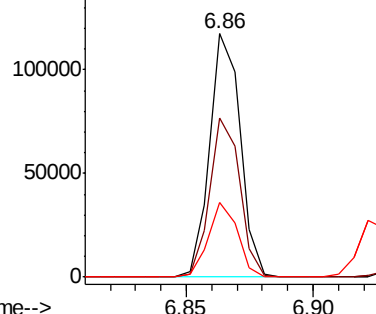


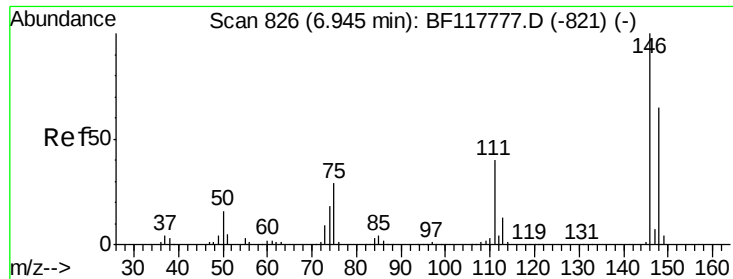
#12
1,3-Dichlorobenzene
Concen: 5.429 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.8	79.2
75	30.6	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

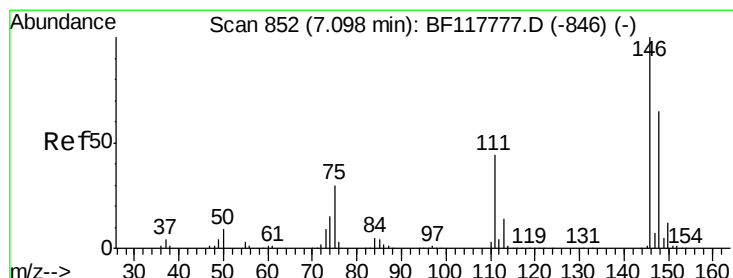
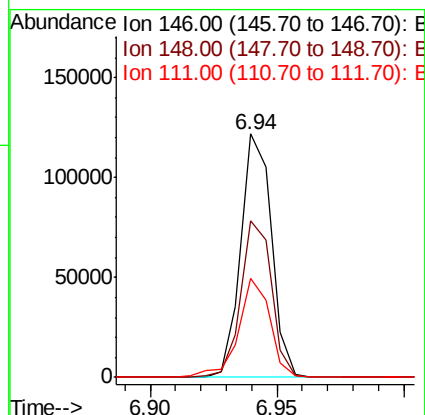
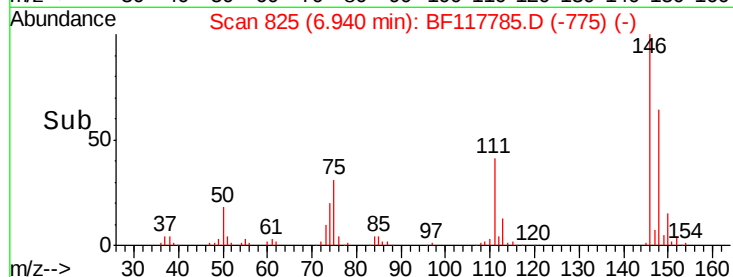
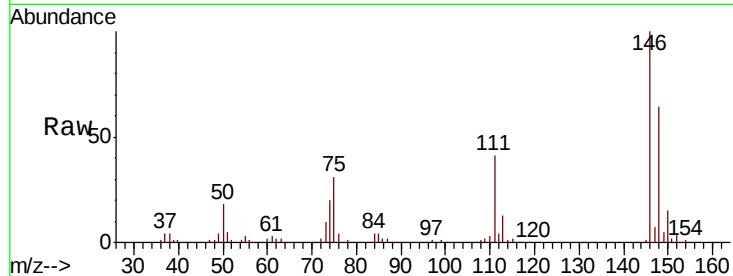




#13
1,4-Dichlorobenzene
Concen: 5.581 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

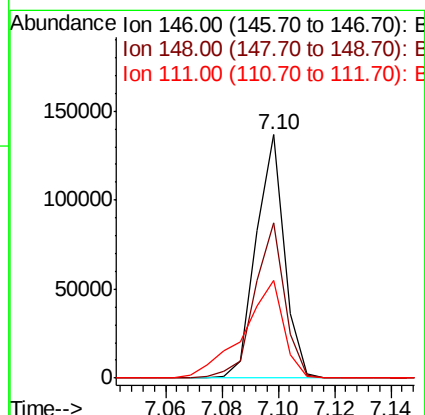
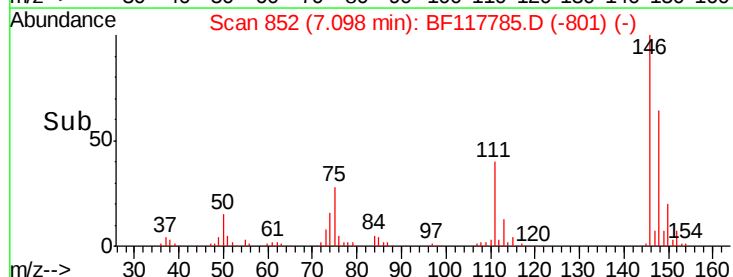
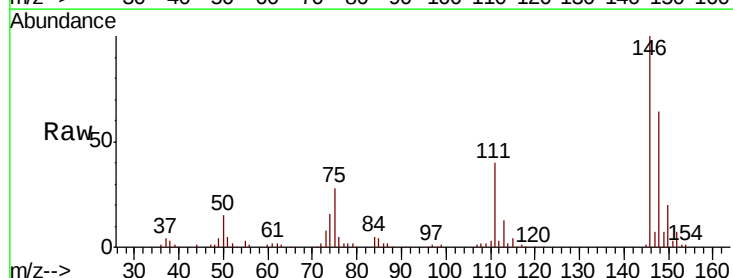
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

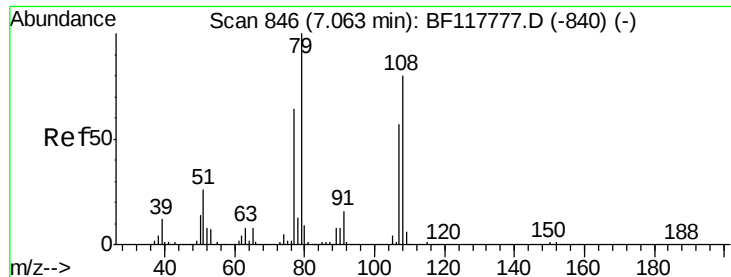
Tot Ion:146 Resp: 102328
Ion Ratio Lower Upper
146 100
148 64.2 52.3 78.5
111 40.6 32.2 48.4



#14
1,2-Dichlorobenzene
Concen: 5.417 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:146 Resp: 94993
Ion Ratio Lower Upper
146 100
148 63.9 51.8 77.8
111 40.1 35.0 52.6





#15

Benzyl Alcohol

Concen: 4.320 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

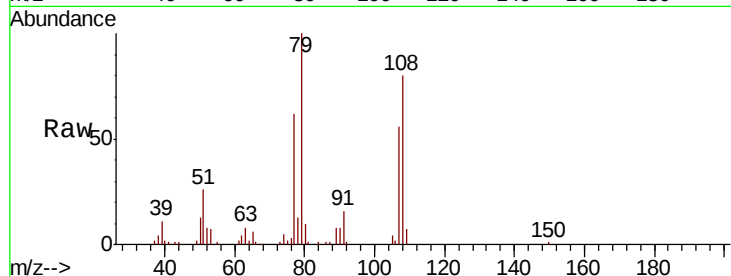
Tot Ion: 79 Resp: 57125

Ion Ratio Lower Upper

79 100

108 79.9 64.1 96.1

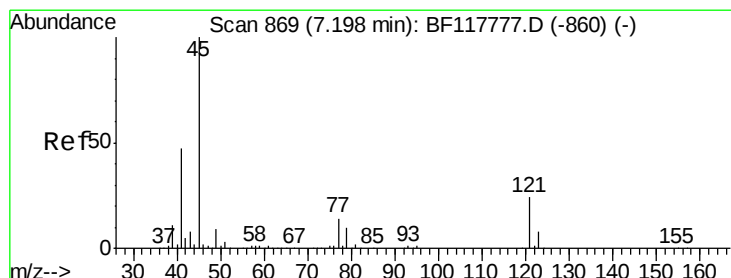
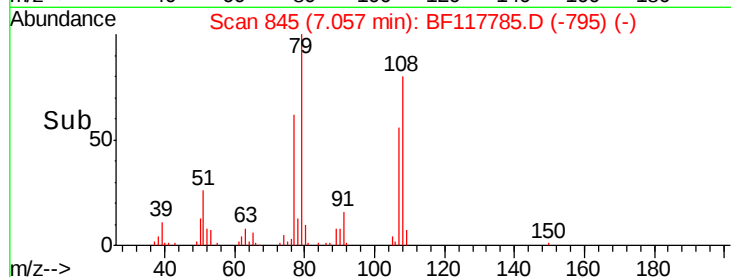
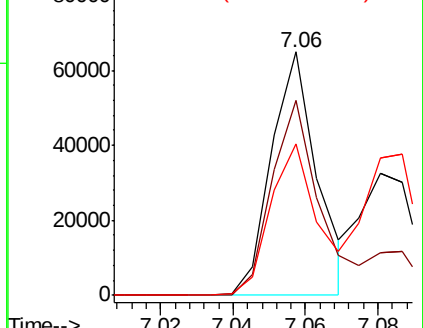
77 62.2 51.3 76.9



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.243 ng

RT: 7.20 min Scan# 869

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

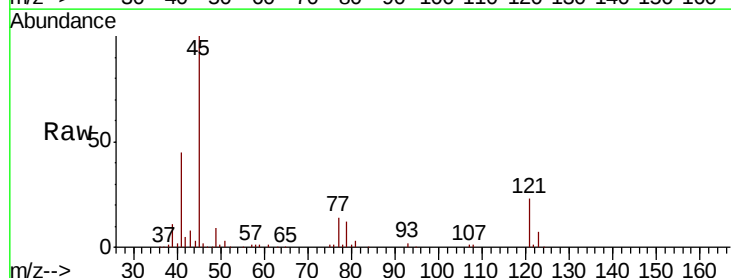
Tgt Ion: 45 Resp: 115380

Ion Ratio Lower Upper

45 100

77 14.5 0.0 35.0

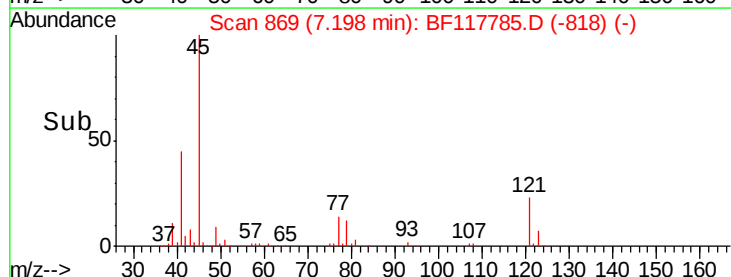
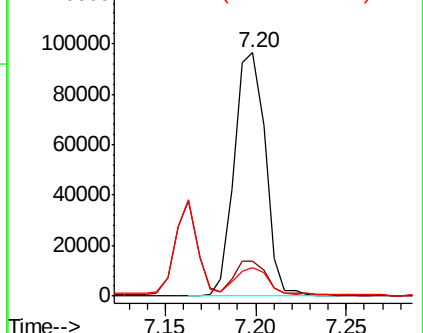
79 11.7 0.0 31.1

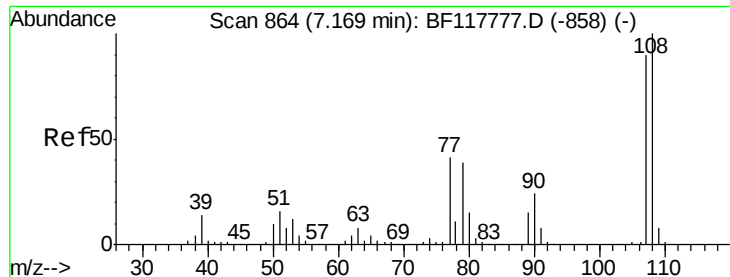


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

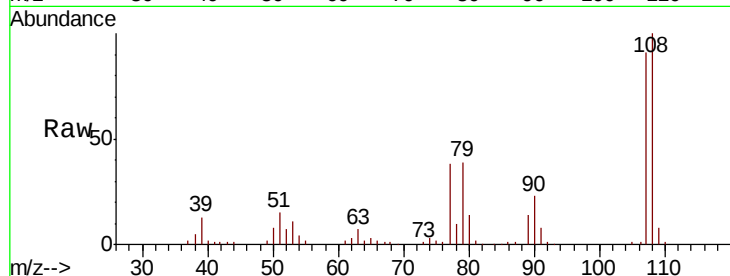




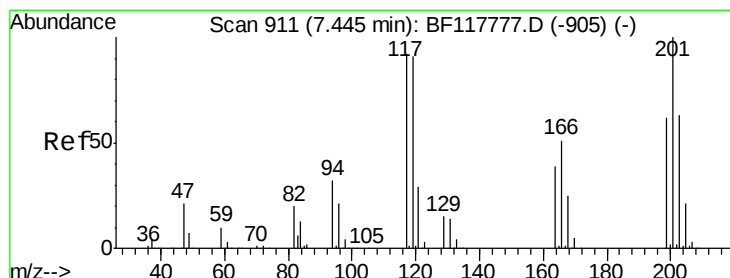
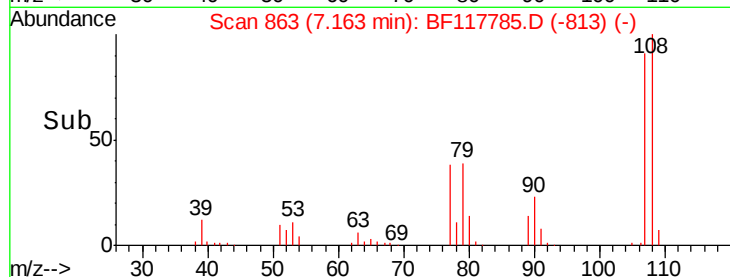
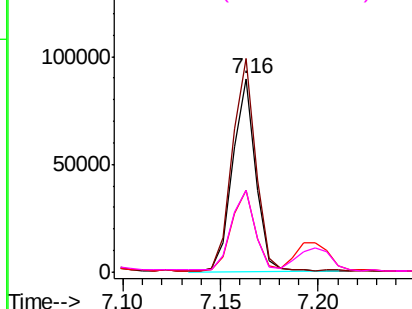
#17
2-Methylphenol
Concen: 5.626 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:107 Resp: 73412
Ion Ratio Lower Upper
107 100
108 110.3 89.1 133.7
77 42.0 36.6 54.8
79 42.5 35.2 52.8

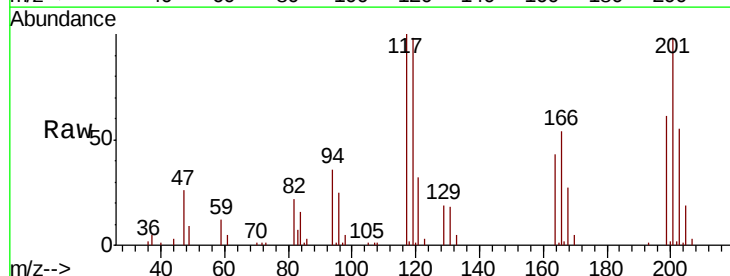


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

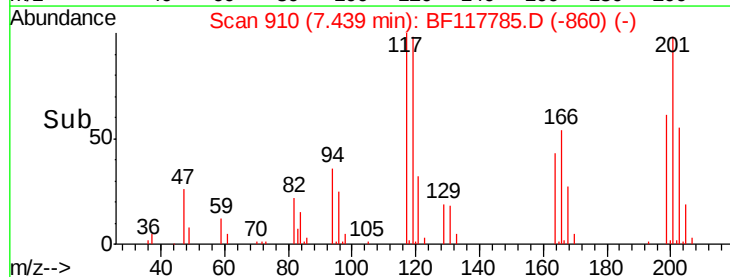
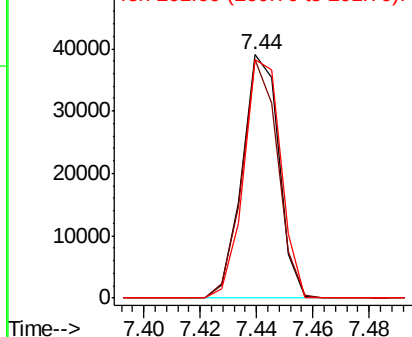


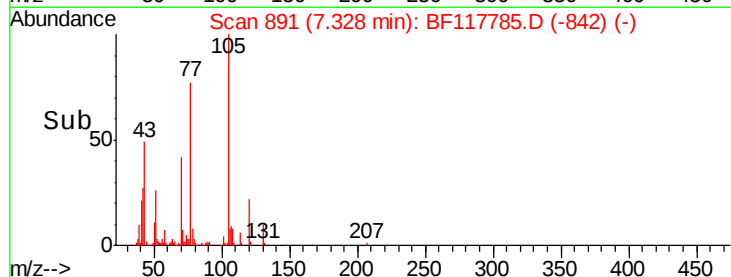
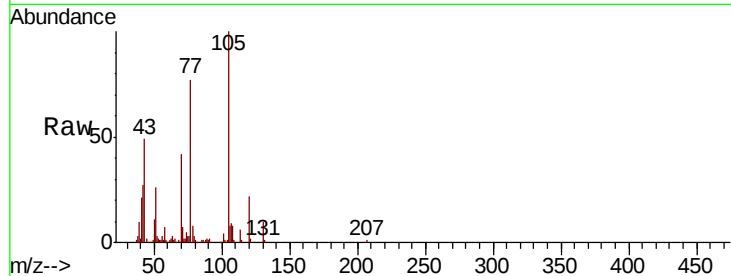
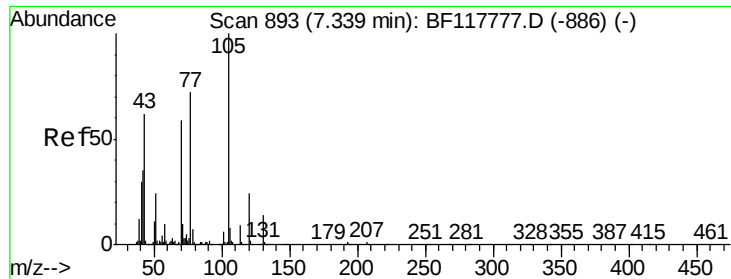
#18
Hexachloroethane
Concen: 5.196 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:117 Resp: 35000
Ion Ratio Lower Upper
117 100
119 97.9 78.7 118.1
201 98.2 86.5 129.7



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

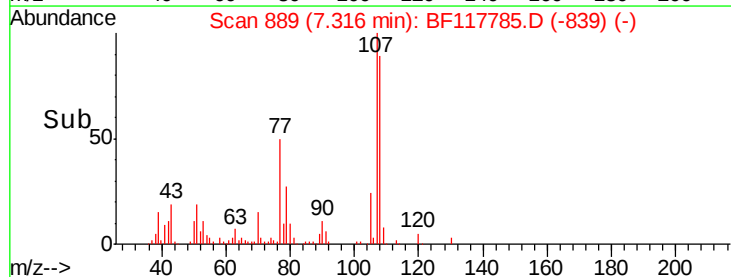
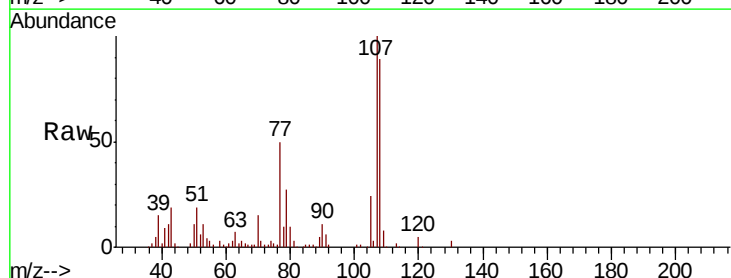
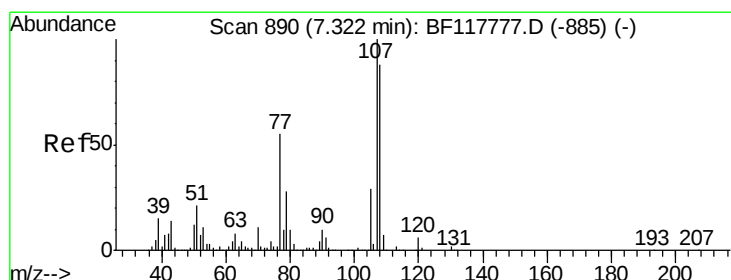
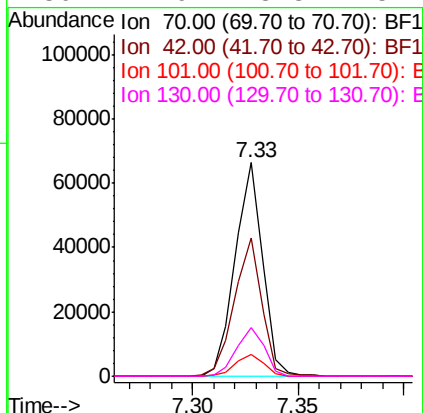




#19
n-Nitroso-di-n-propylamine
Concen: 5.639 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

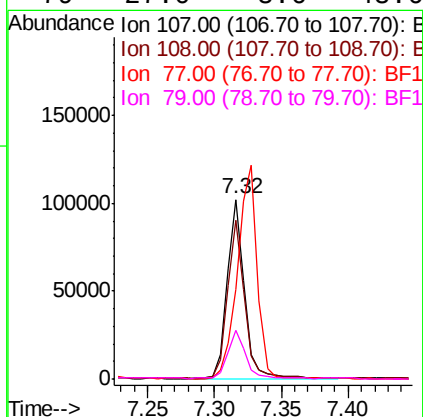
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

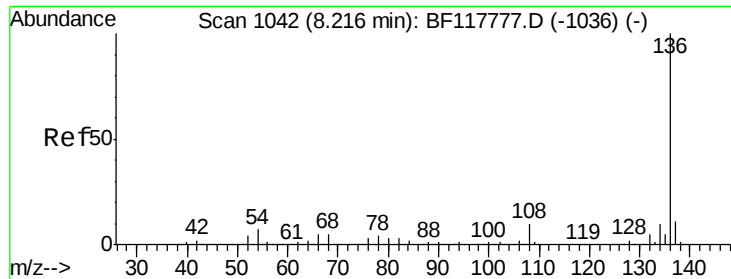
Tot Ion:	70	Resp:	59588
Ion	Ratio	Lower	Upper
70	100		
42	64.5	47.4	71.2
101	10.2	8.4	12.6
130	22.9	18.8	28.2



#20
3+4-Methylphenols
Concen: 5.867 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:	107	Resp:	95036
Ion	Ratio	Lower	Upper
107	100		
108	88.6	68.4	108.4
77	50.3	35.2	75.2
79	27.0	8.6	48.6

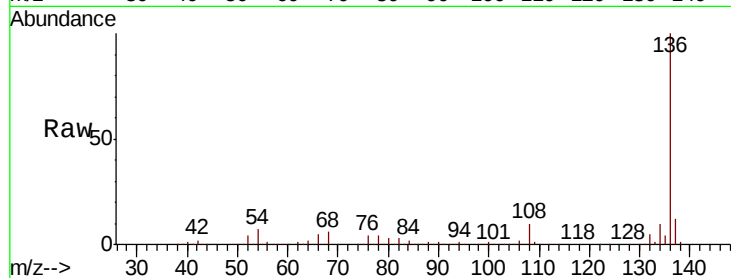




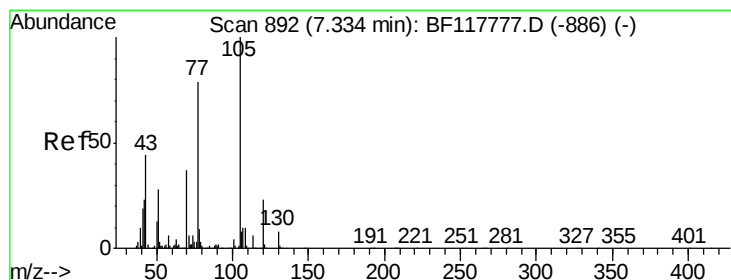
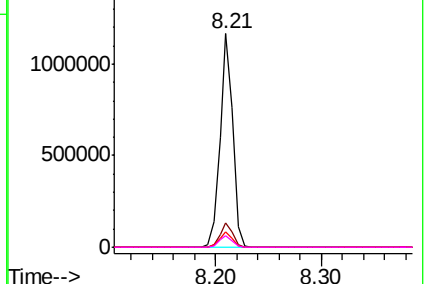
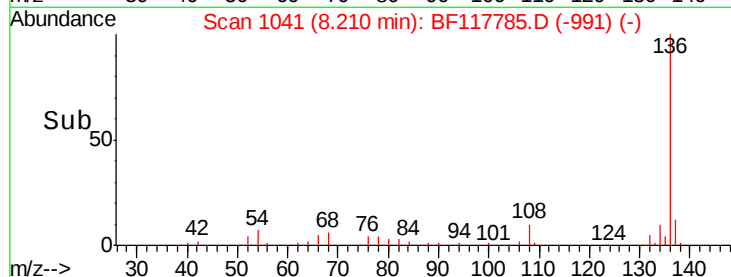
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:136	Resp:	994877
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.0 13.4
54	7.3	5.4 8.2
68	5.6	4.3 6.5

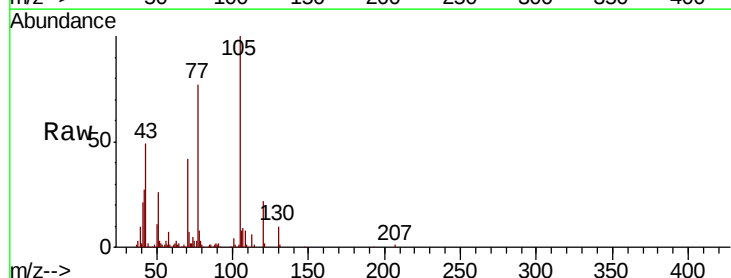


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

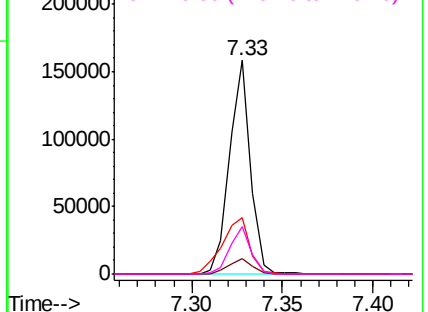
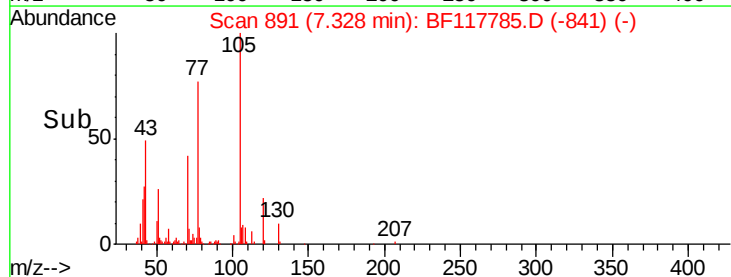


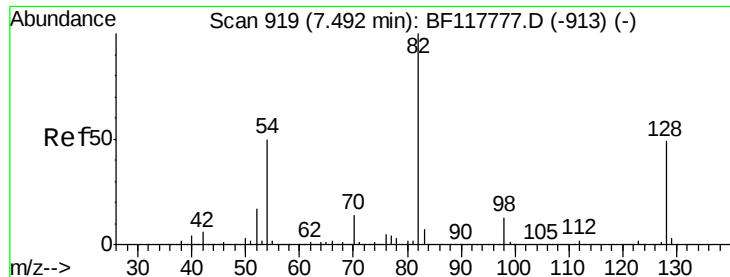
#22
Acetophenone
Concen: 5.702 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:105	Resp:	127450
Ion Ratio	Lower	Upper
105	100	
71	7.0	4.9 7.3
51	26.2	22.7 34.1
120	22.2	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

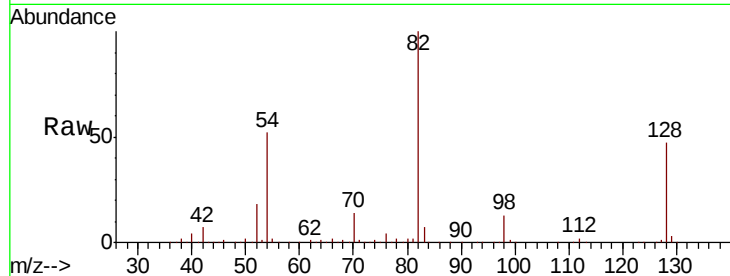




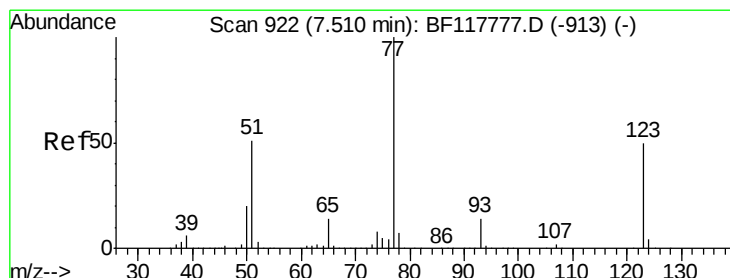
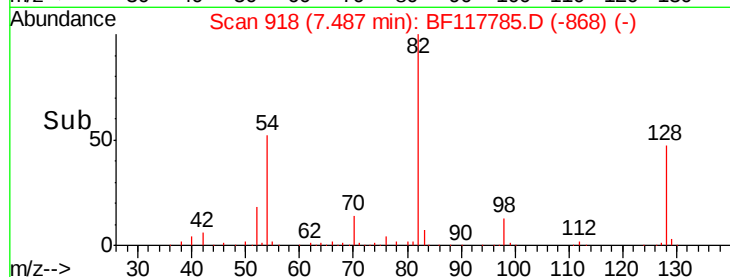
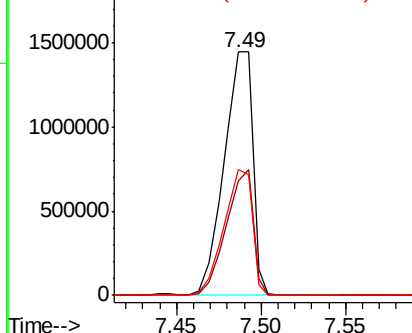
#23
Nitrobenzene-d5
Concen: 101.640 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion: 82 Resp: 1701027
Ion Ratio Lower Upper
82 100
128 46.9 38.9 58.3
54 51.7 39.8 59.6

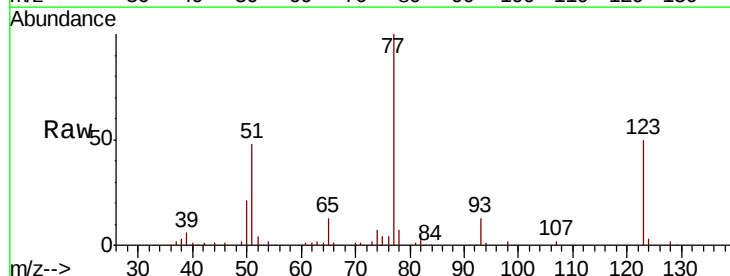


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

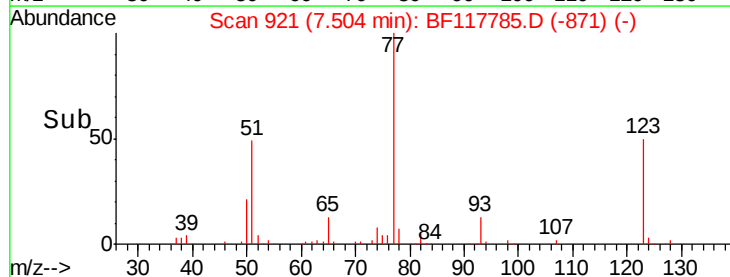
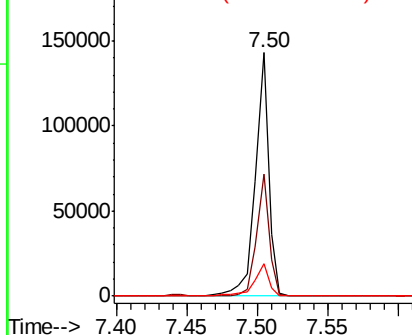


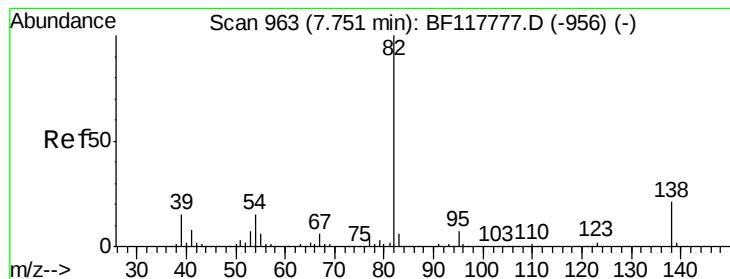
#24
Nitrobenzene
Concen: 5.655 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion: 77 Resp: 97641
Ion Ratio Lower Upper
77 100
123 50.0 40.3 60.5
65 13.1 10.9 16.3



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





#25

Isophorone

Concen: 5.452 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

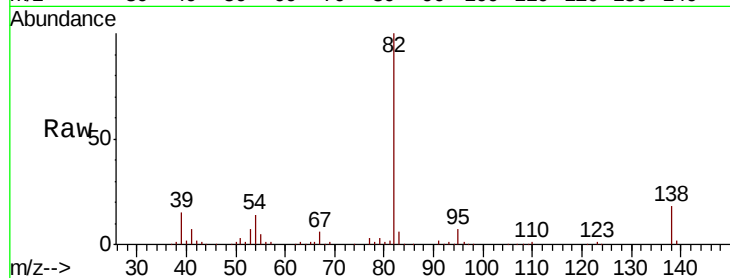
Tot Ion: 82 Resp: 167238

Ion Ratio Lower Upper

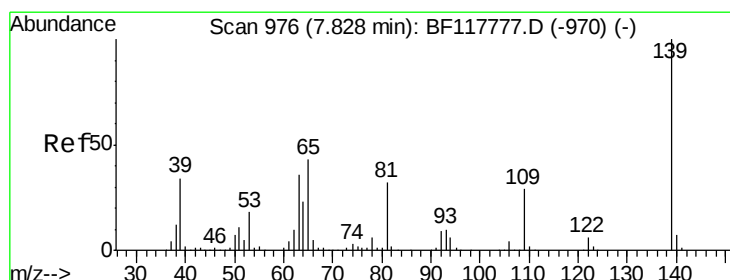
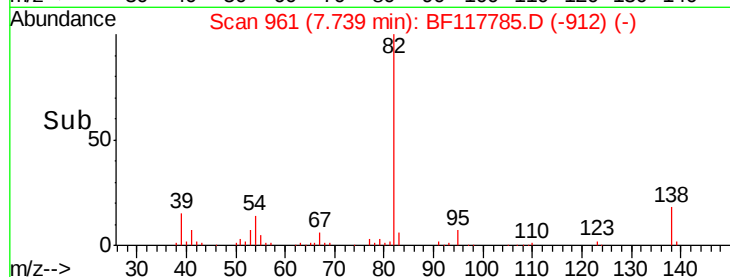
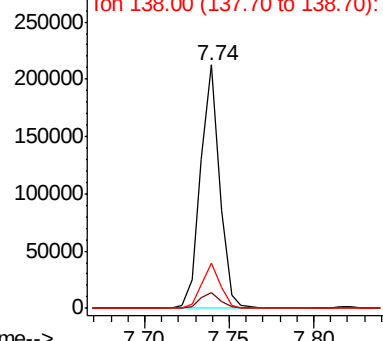
82 100

95 6.7 5.8 8.8

138 18.3 16.5 24.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 4.875 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

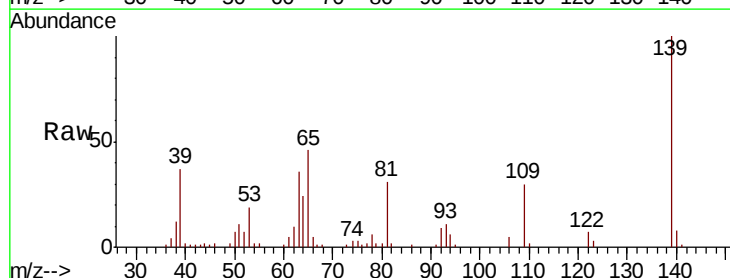
Tgt Ion: 139 Resp: 40963

Ion Ratio Lower Upper

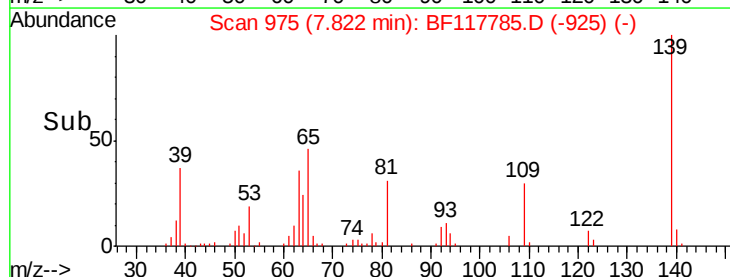
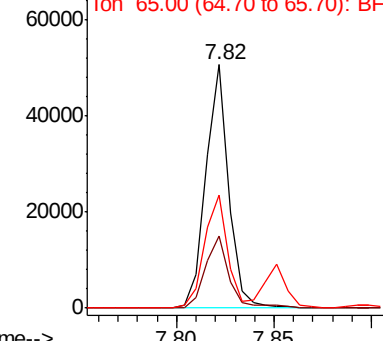
139 100

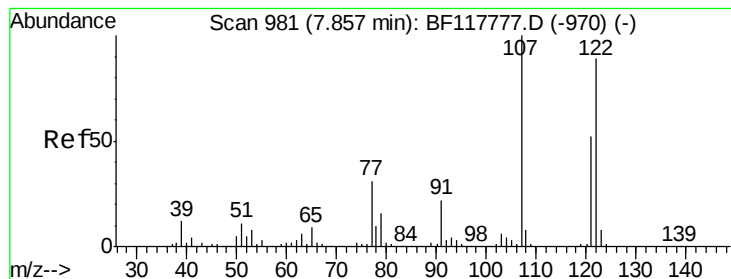
109 29.6 23.0 34.4

65 46.3 34.7 52.1



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





#27

2,4-Dimethylphenol

Concen: 5.947 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

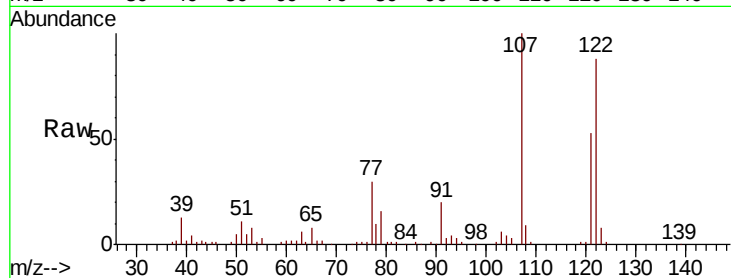
Tot Ion:122 Resp: 77662

Ion Ratio Lower Upper

122 100

107 113.2 90.0 135.0

121 59.9 46.7 70.1

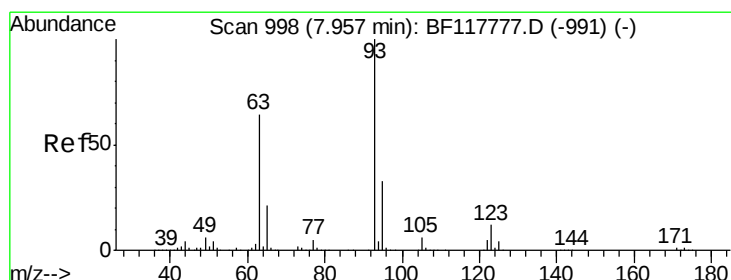
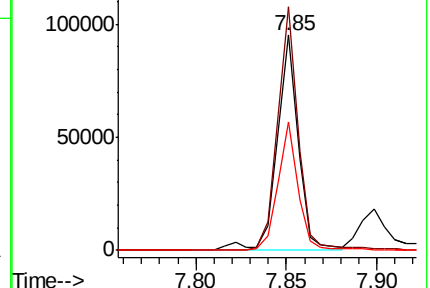
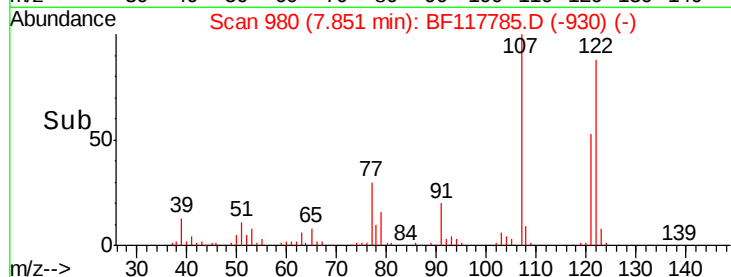


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 5.253 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

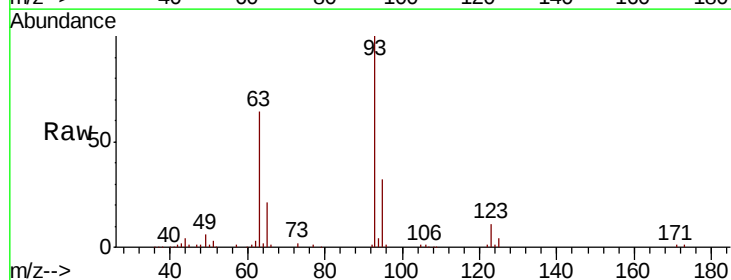
Tgt Ion: 93 Resp: 102255

Ion Ratio Lower Upper

93 100

95 31.9 26.6 40.0

123 11.3 10.3 15.5

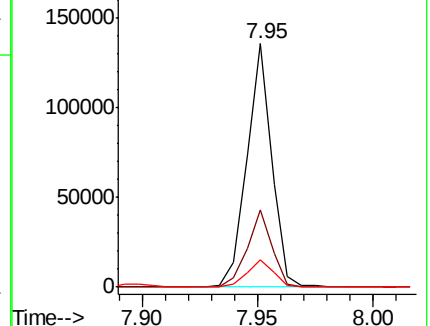
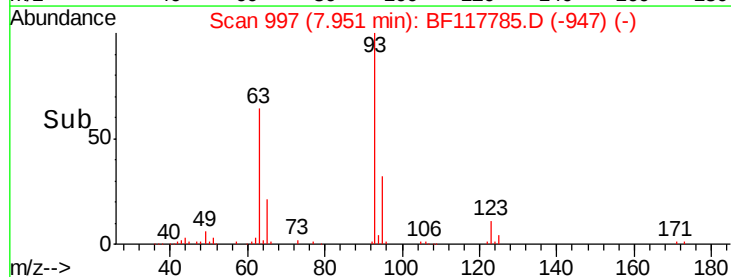


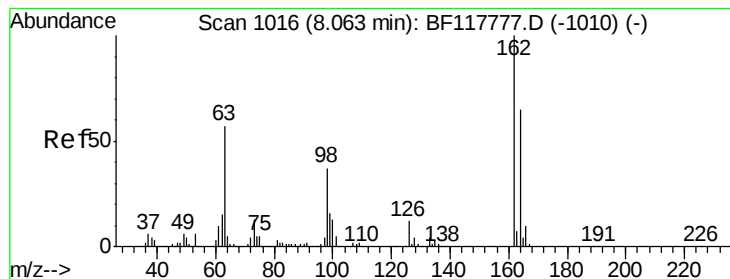
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 5.216 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

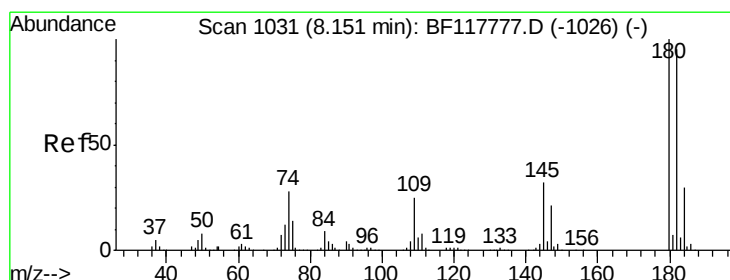
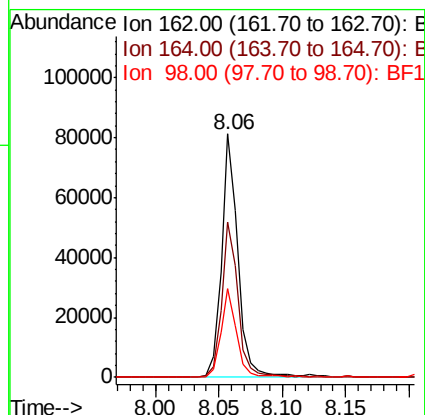
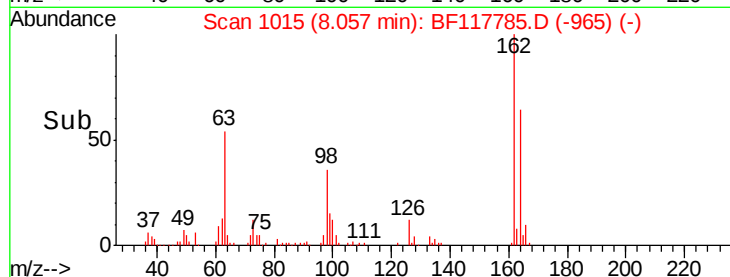
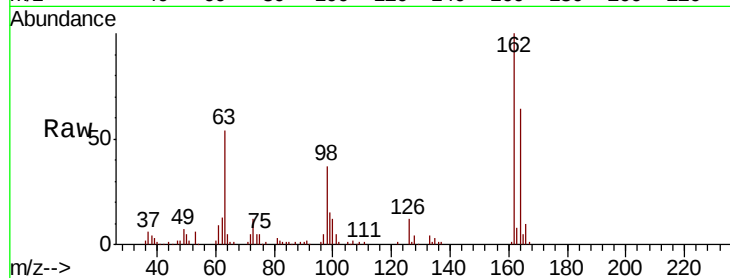
Tot Ion:162 Resp: 73881

Ion Ratio Lower Upper

162 100

164 64.0 45.1 85.1

98 36.6 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 5.220 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

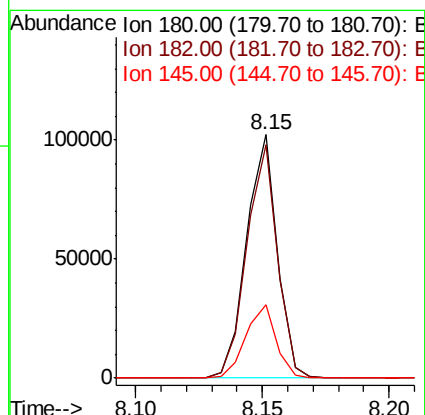
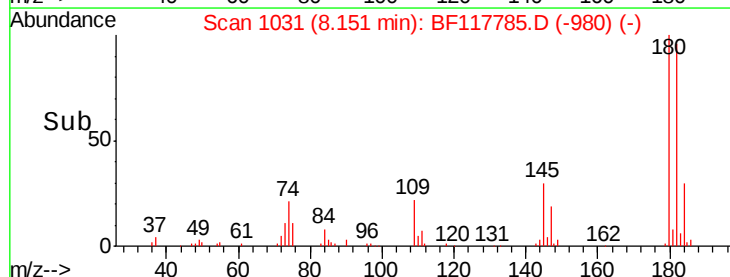
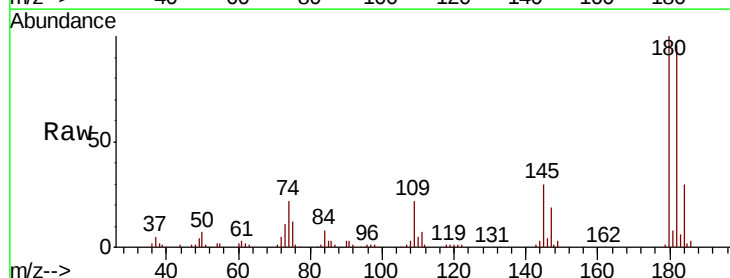
Tgt Ion:180 Resp: 85761

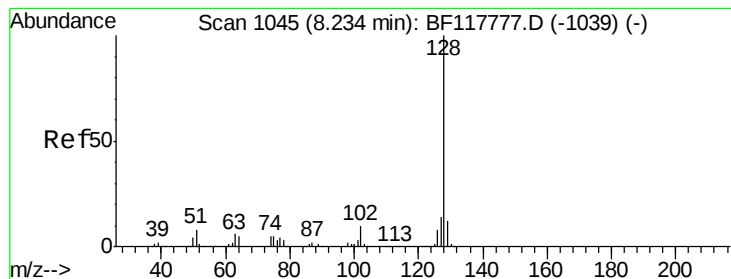
Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.6

145 30.2 25.5 38.3





#31

Naphthalene

Concen: 5.897 ng

RT: 8.23 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

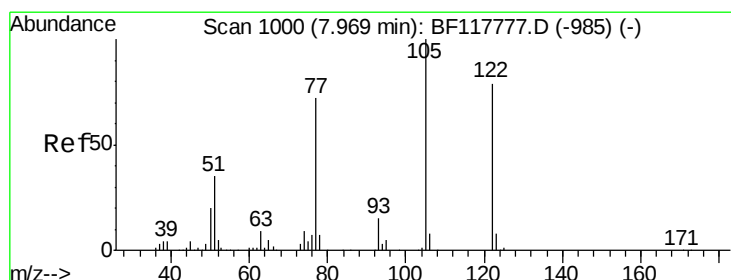
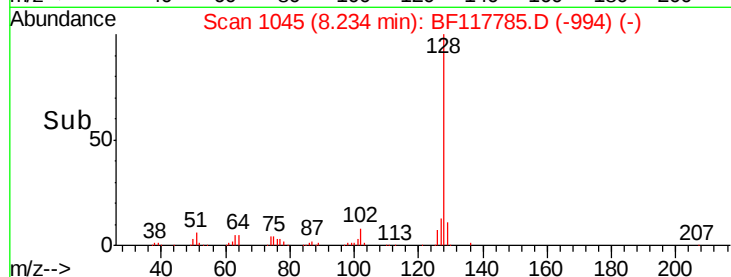
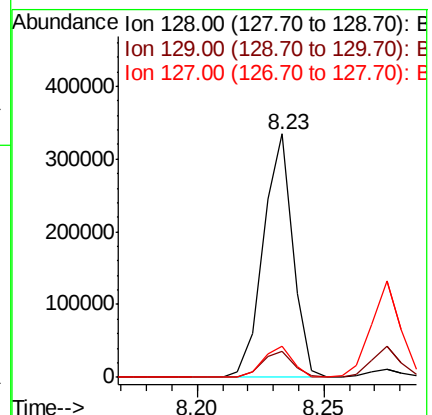
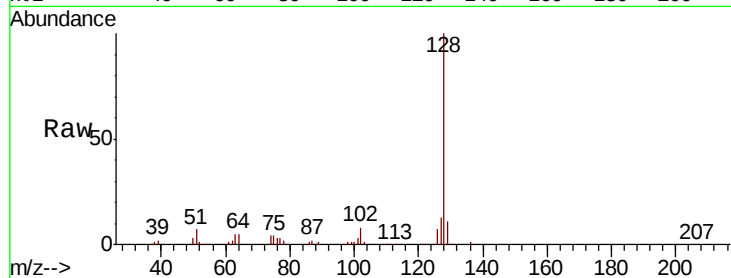
Tot Ion:128 Resp: 273494

Ion Ratio Lower Upper

128 100

129 10.9 9.5 14.3

127 12.8 11.3 16.9



#32

Benzoic acid

Concen: 2.017 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.07 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

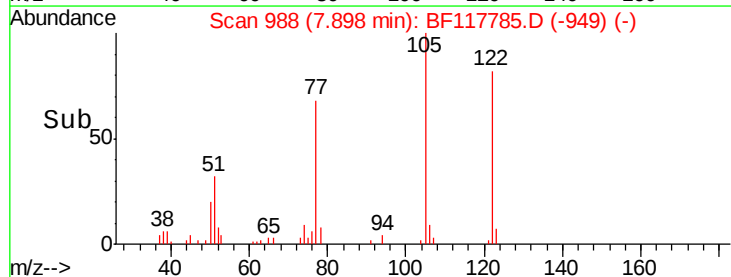
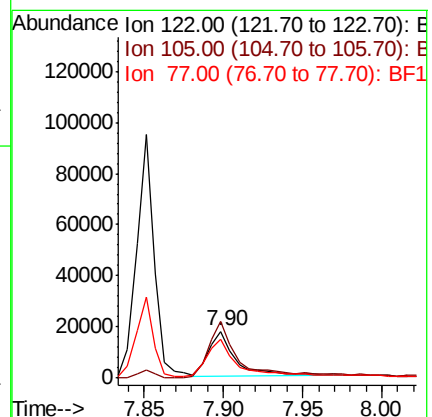
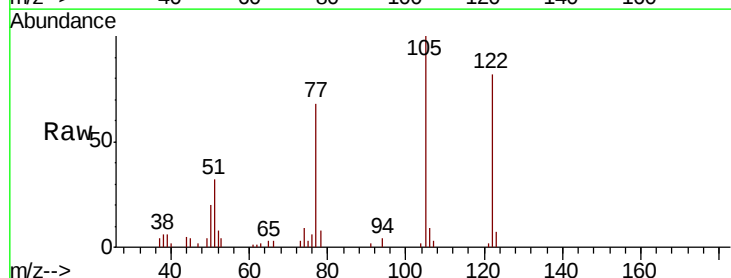
Tgt Ion:122 Resp: 22054

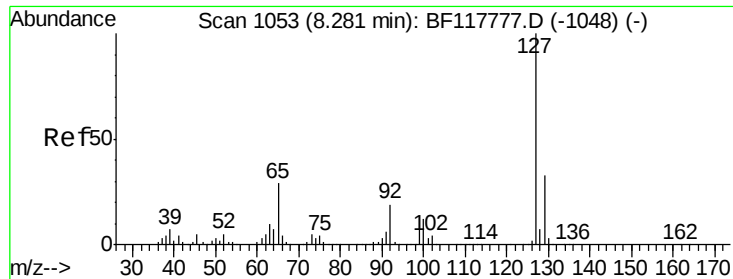
Ion Ratio Lower Upper

122 100

105 121.8 102.7 142.7

77 83.2 70.5 110.5

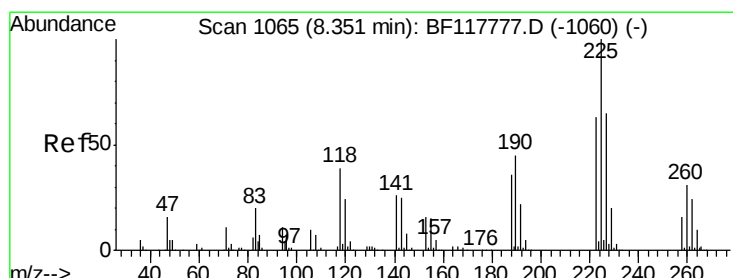
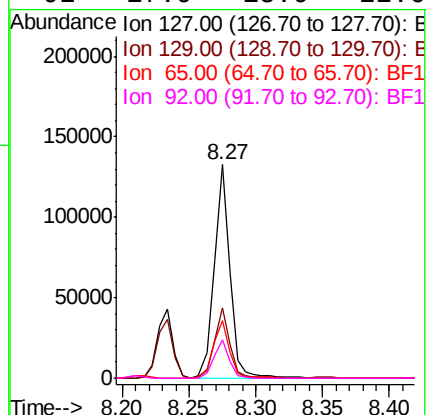
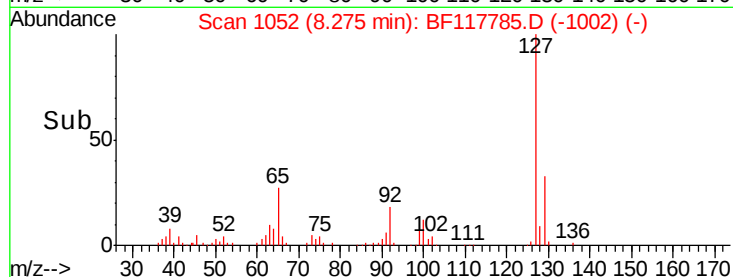
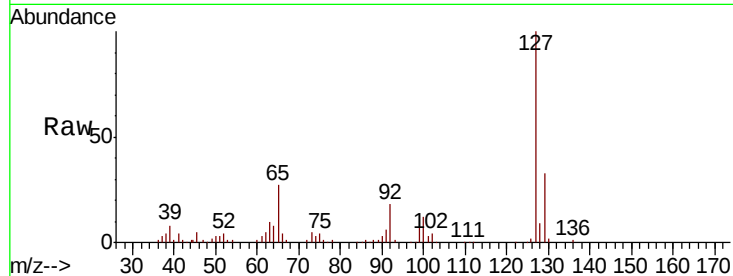




#33
4-Chloroaniline
Concen: 5.304 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

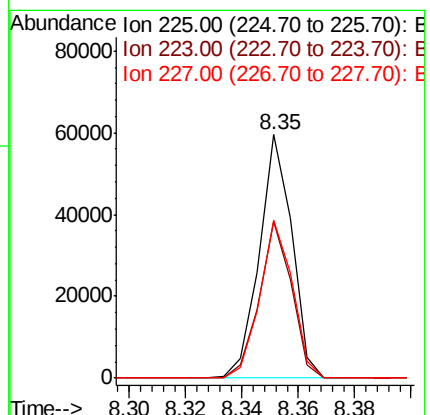
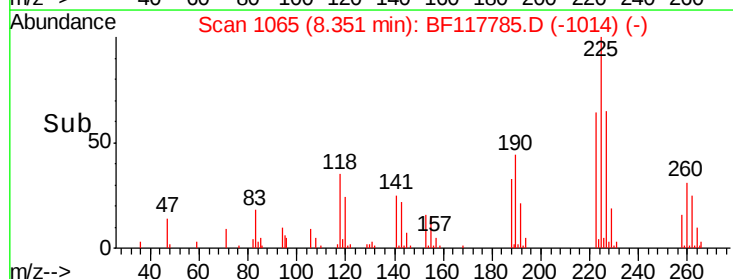
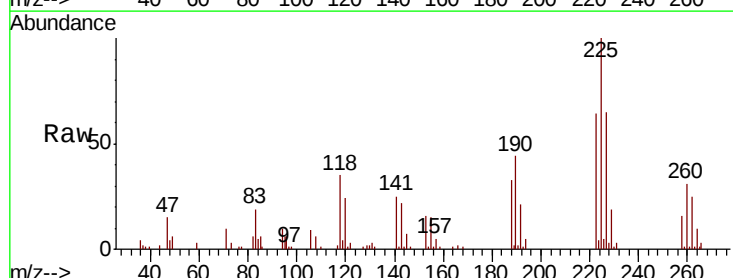
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

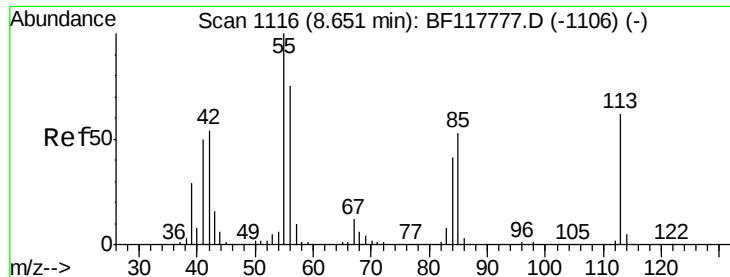
Tot Ion:	127	Resp:	110123
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.5	39.7
65	26.9	22.9	34.3
92	17.9	15.0	22.6



#34
Hexachlorobutadiene
Concen: 4.956 ng
RT: 8.35 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:	225	Resp:	47608
Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.0	75.0
227	65.0	51.8	77.6

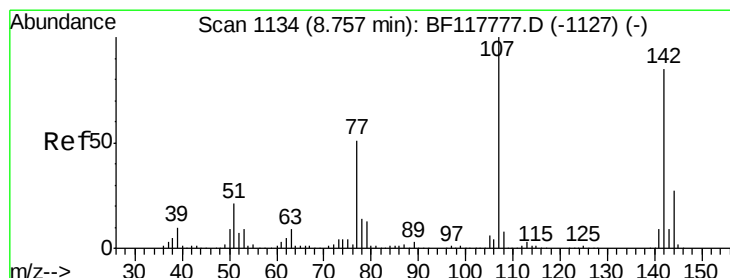
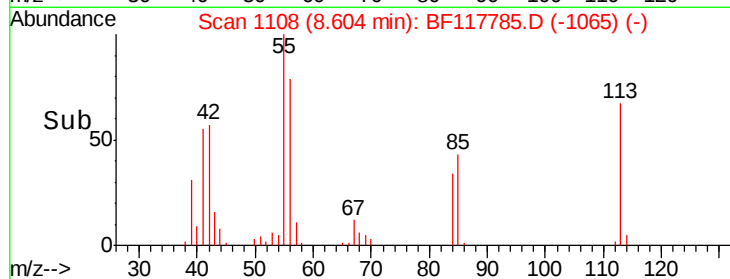
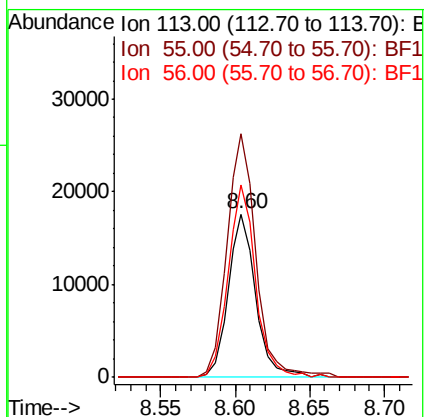
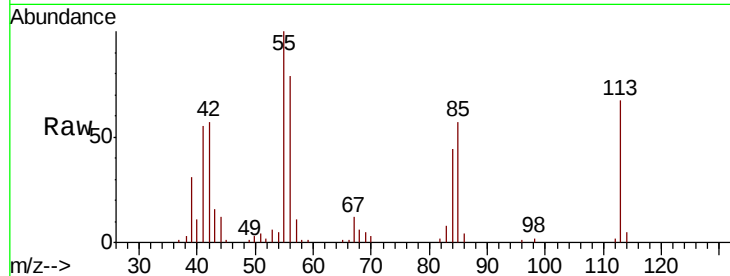




#35
Caprolactam
Concen: 5.071 ng
RT: 8.60 min Scan# 1108
Delta R.T. -0.05 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

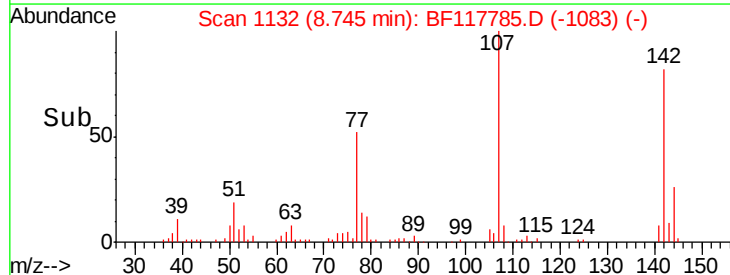
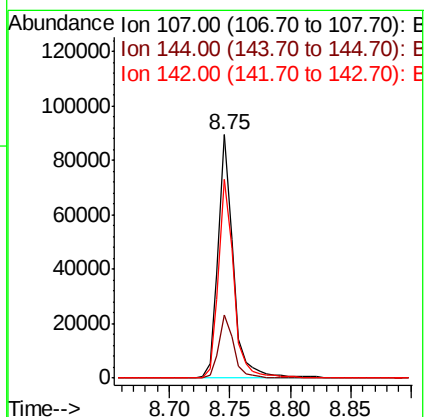
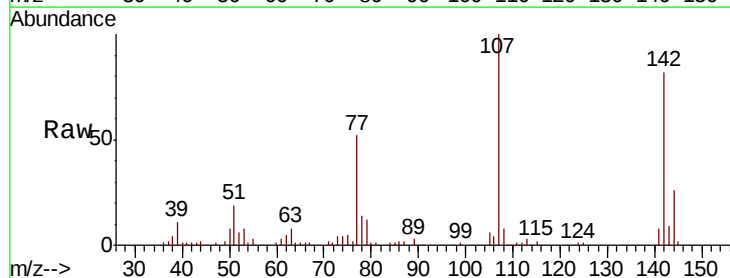
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

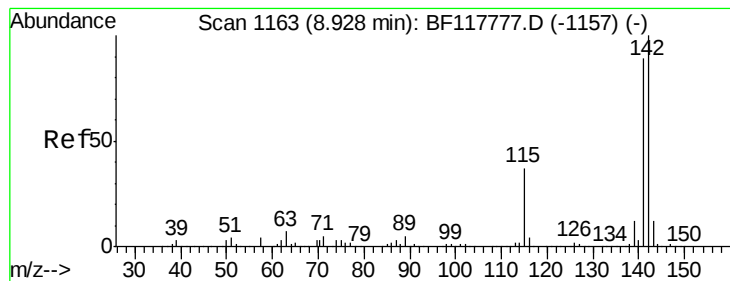
Tot Ion:113 Resp: 22829
Ion Ratio Lower Upper
113 100
55 148.9 141.1 181.1
56 117.3 100.5 140.5



#36
4-Chloro-3-methylphenol
Concen: 5.348 ng
RT: 8.75 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:107 Resp: 76876
Ion Ratio Lower Upper
107 100
144 26.1 21.9 32.9
142 81.5 67.7 101.5





#37

2-Methylnaphthalene

Concen: 5.901 ng

RT: 8.92 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

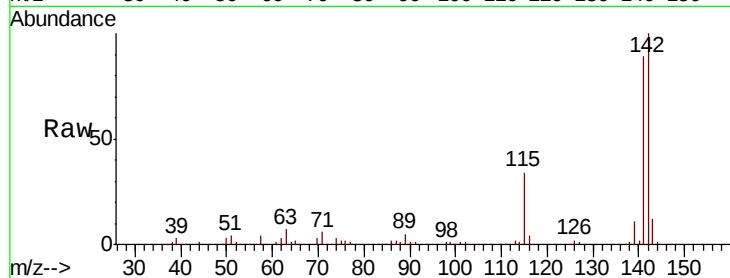
Tot Ion:142 Resp: 184911

Ion Ratio Lower Upper

142 100

141 88.6 71.1 106.7

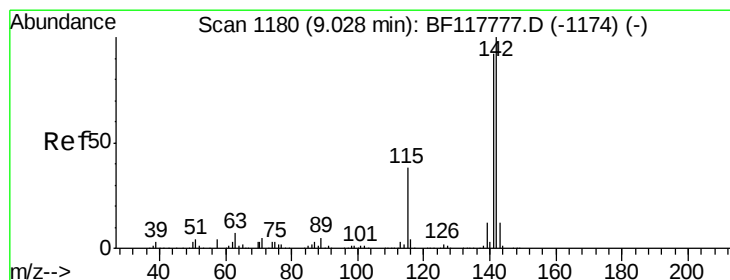
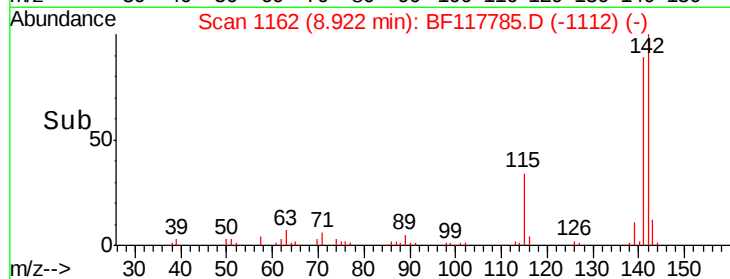
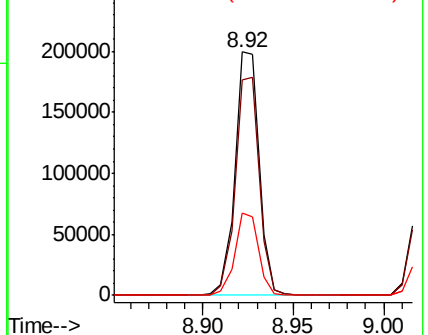
115 34.0 29.2 43.8



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: 5.854 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

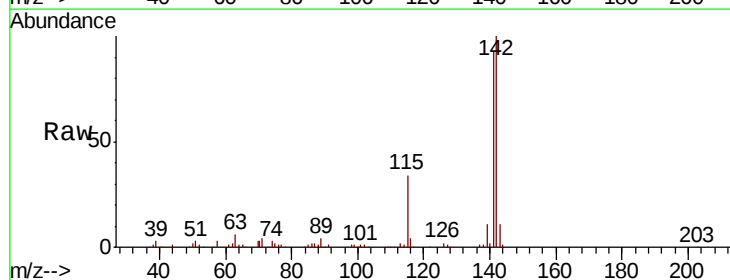
Tgt Ion:142 Resp: 173438

Ion Ratio Lower Upper

142 100

141 92.8 73.5 110.3

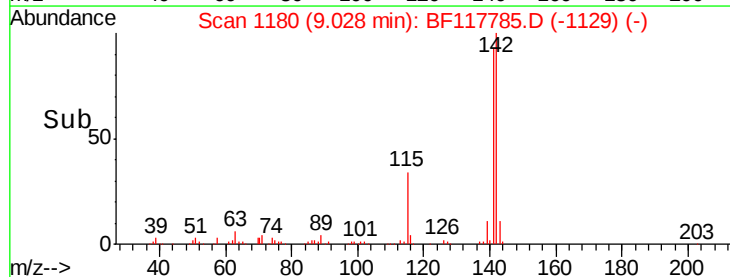
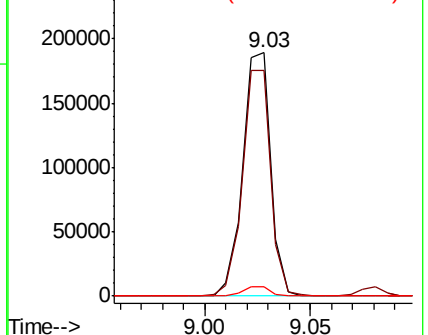
116 3.7 3.2 4.8

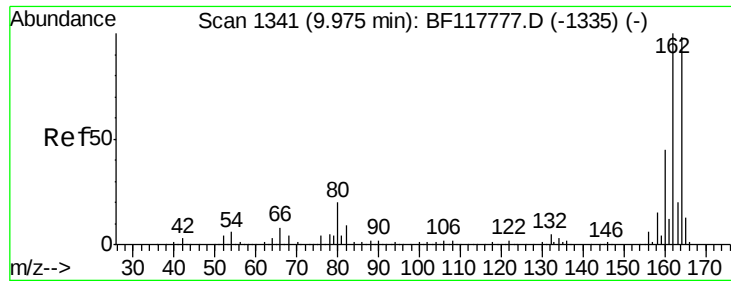


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

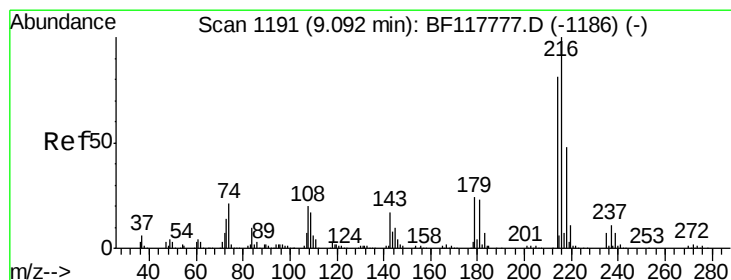
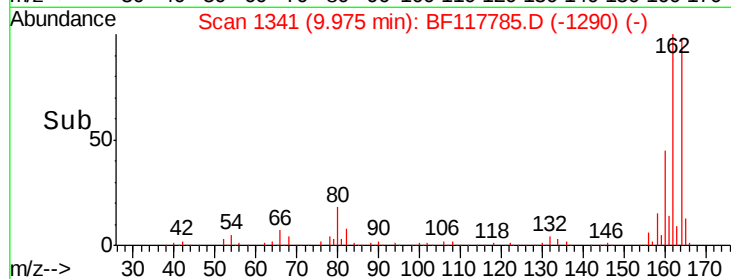
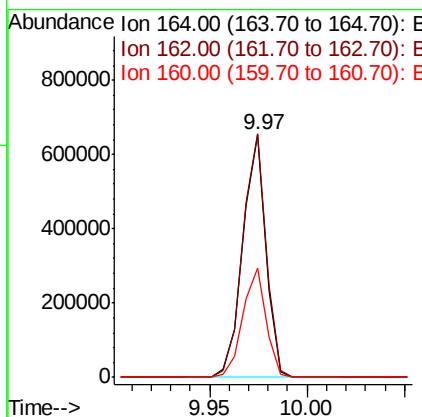
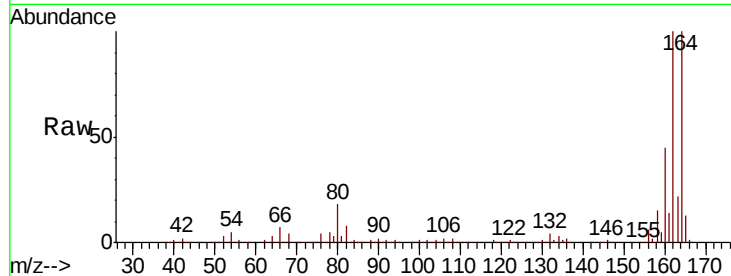




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

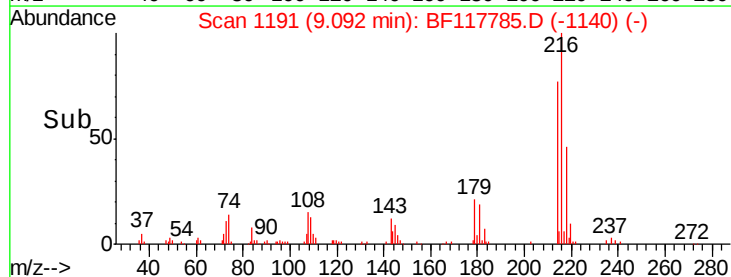
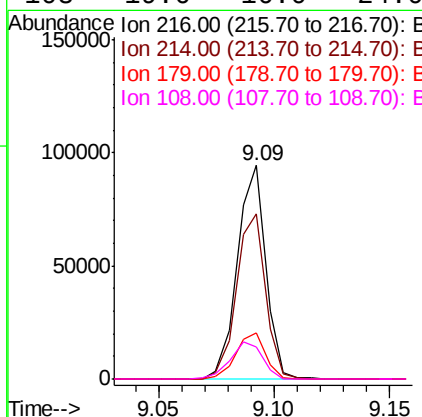
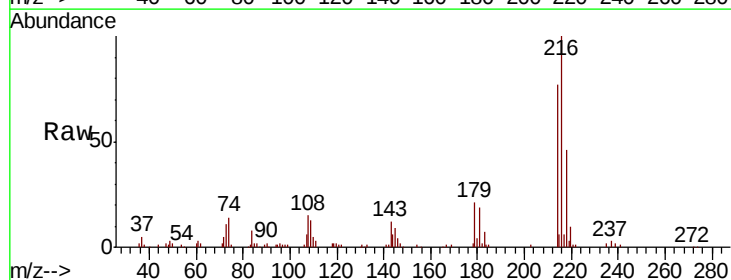
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

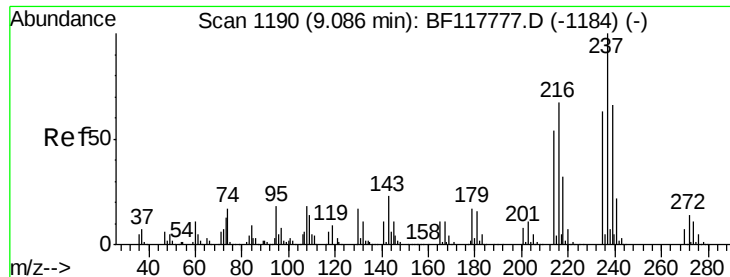
Tot Ion:164 Resp: 535341
Ion Ratio Lower Upper
164 100
162 100.4 81.3 121.9
160 44.9 36.6 55.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.229 ng
RT: 9.09 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:216 Resp: 81299
Ion Ratio Lower Upper
216 100
214 78.9 63.4 95.0
179 22.1 18.2 27.4
108 19.6 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 4.816 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

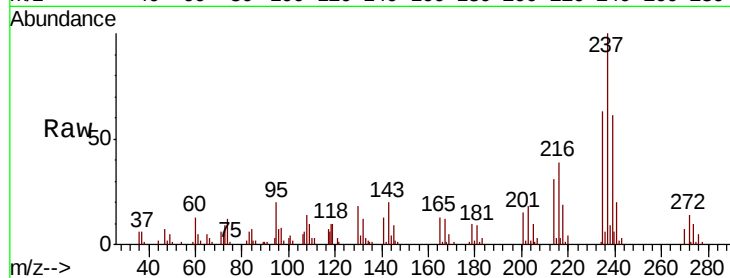
Tot Ion:237 Resp: 41960

Ion Ratio Lower Upper

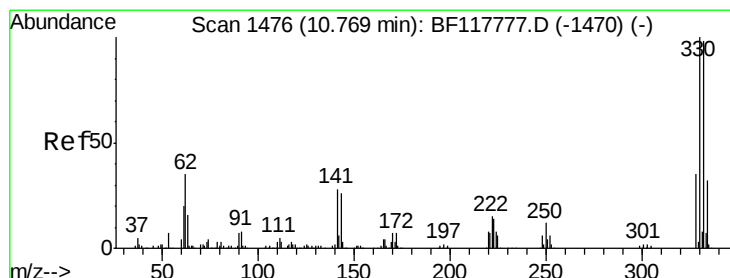
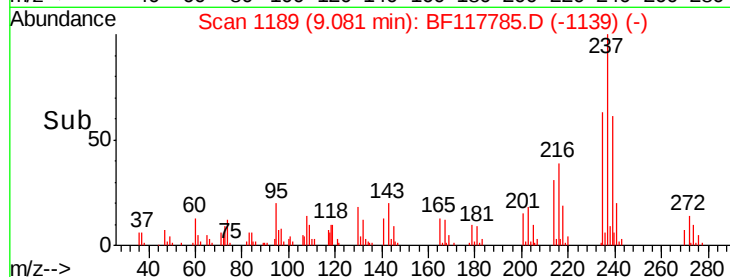
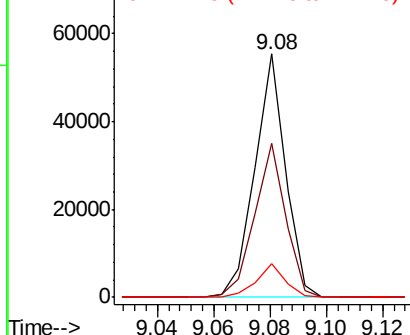
237 100

235 63.4 42.6 82.6

272 13.6 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: 137.314 ng

RT: 10.77 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

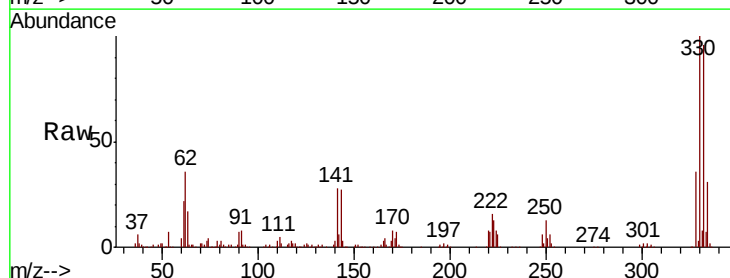
Tgt Ion:330 Resp: 778243

Ion Ratio Lower Upper

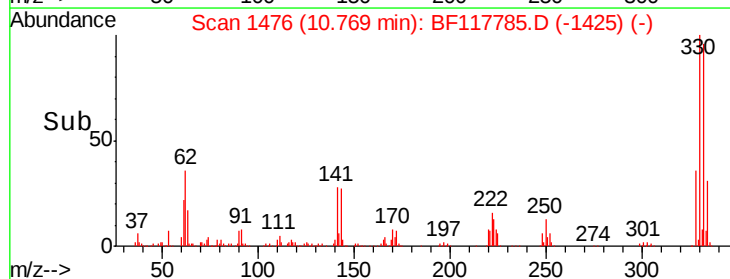
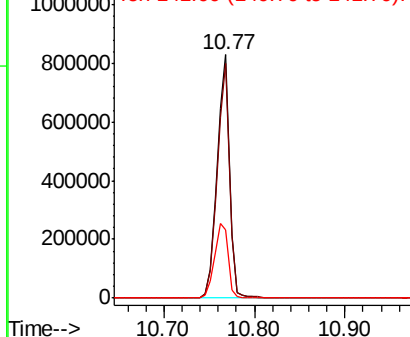
330 100

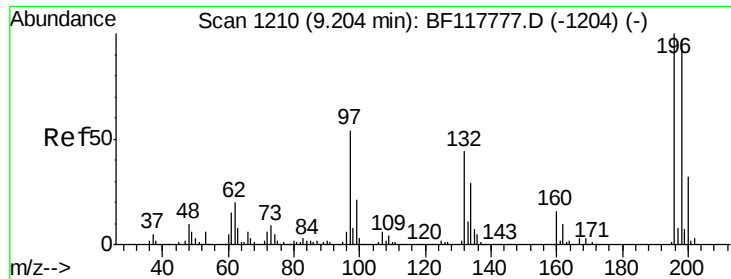
332 95.9 76.7 115.1

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

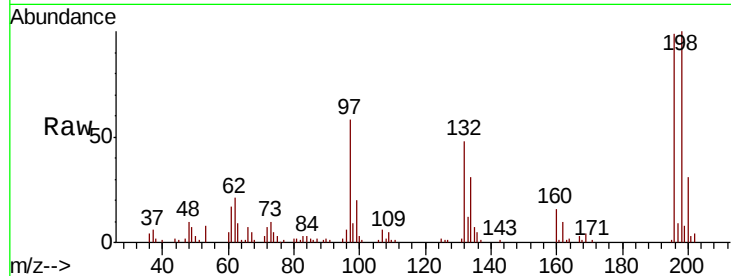




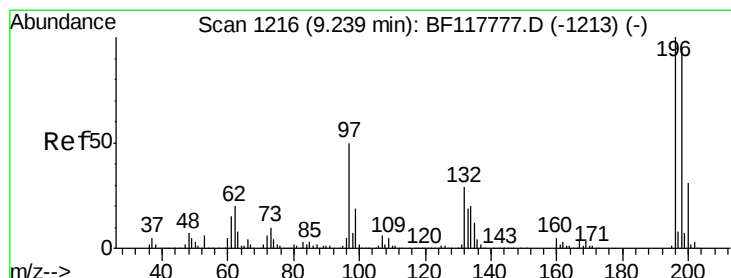
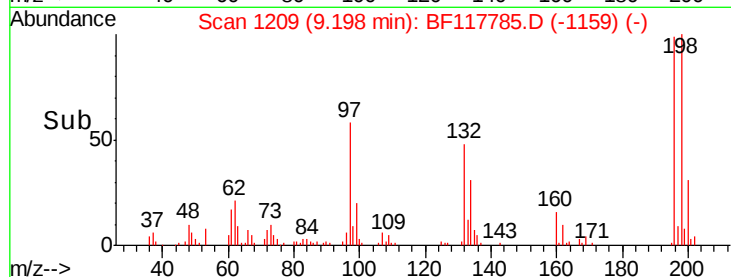
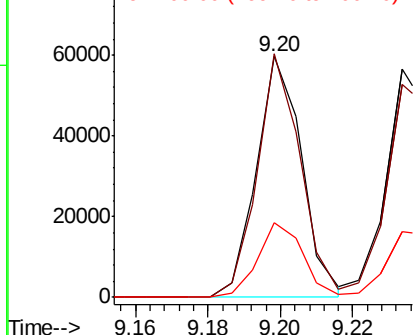
#43
2,4,6-Trichlorophenol
Concen: 4.632 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:196 Resp: 51585
Ion Ratio Lower Upper
196 100
198 101.1 77.8 116.6
200 30.9 25.4 38.0



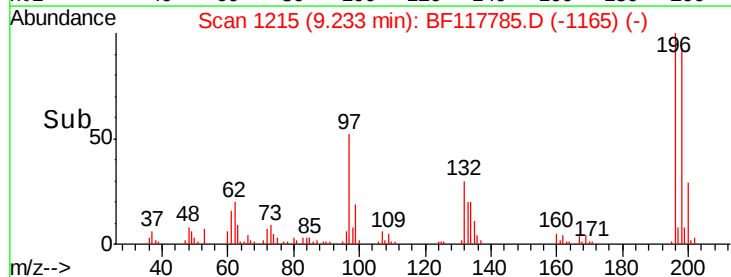
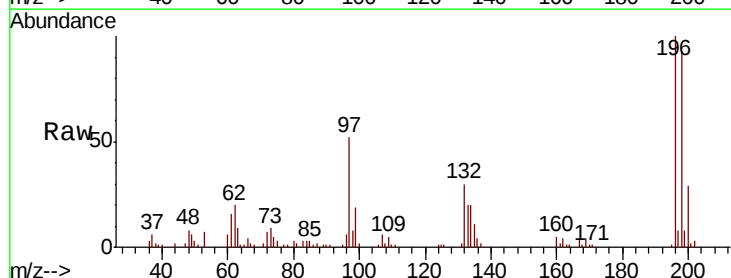
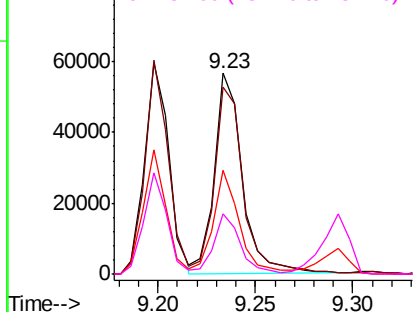
Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

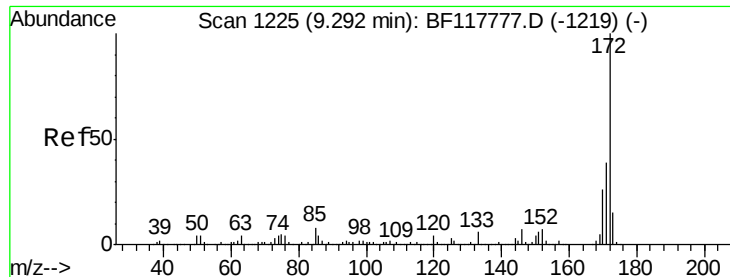


#44
2,4,5-Trichlorophenol
Concen: 4.835 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:196 Resp: 55901
Ion Ratio Lower Upper
196 100
198 92.9 76.3 114.5
97 51.8 40.0 60.0
132 29.7 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

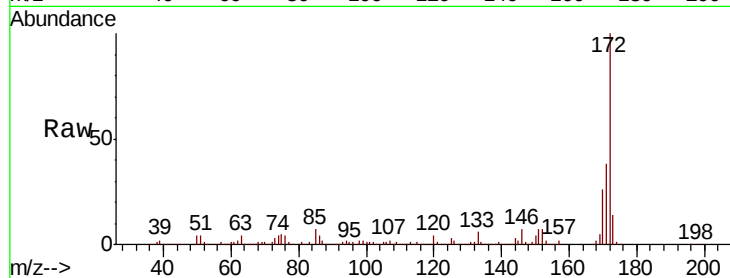




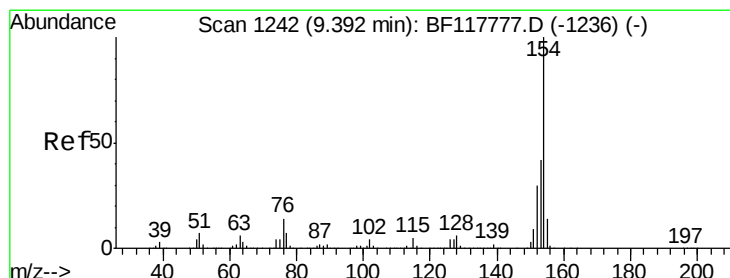
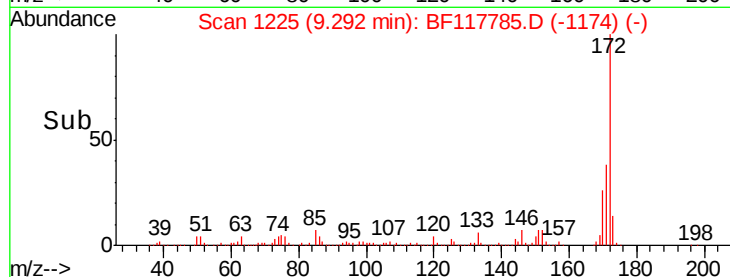
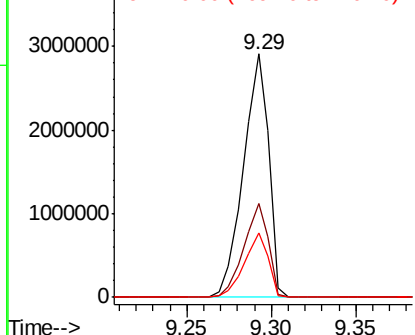
#45
2-Fluorobiphenyl
Concen: 101.923 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:172 Resp: 3041391
Ion Ratio Lower Upper
172 100
171 38.5 30.9 46.3
170 26.4 21.0 31.4

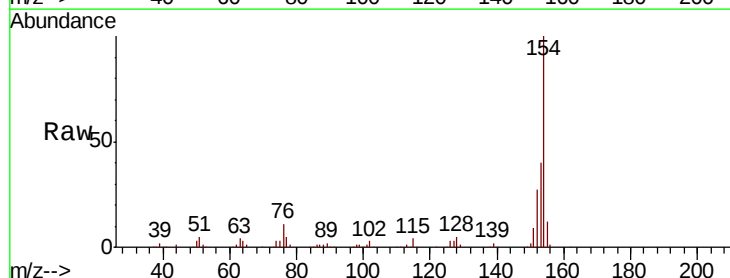


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

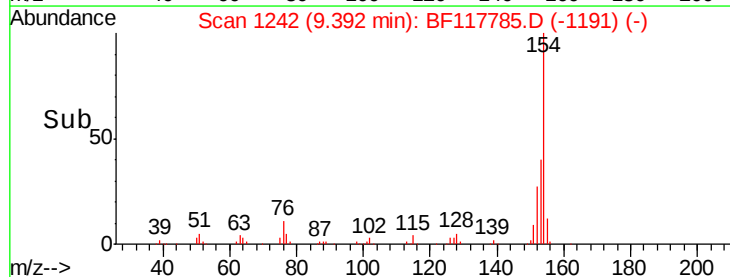
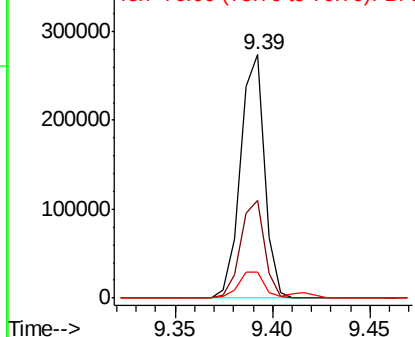


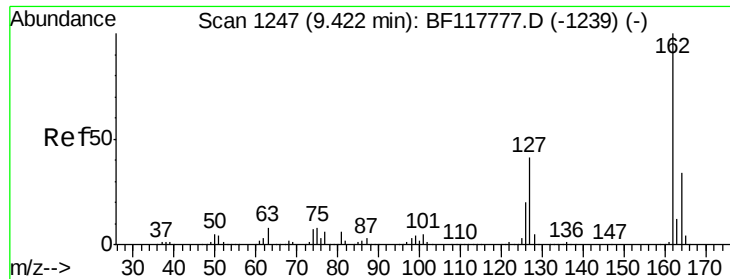
#46
1,1'-Biphenyl
Concen: 5.911 ng
RT: 9.39 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:154 Resp: 234753
Ion Ratio Lower Upper
154 100
153 40.0 21.9 61.9
76 10.7 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

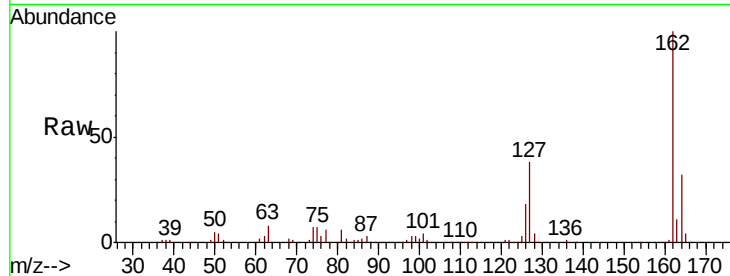




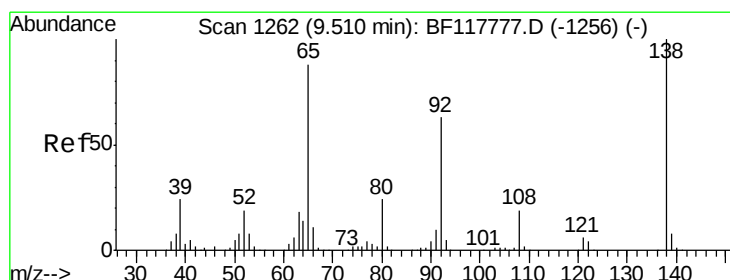
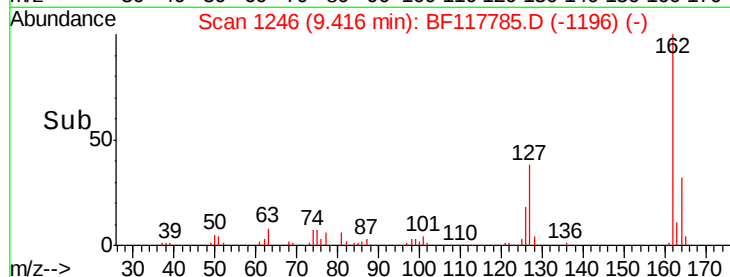
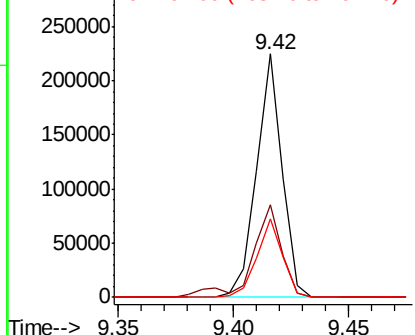
#47
 2-Chloronaphthalene
 Concen: 5.320 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF117785.D
 Acq: 14 Nov 2019 9:47

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion:162 Resp: 173838
 Ion Ratio Lower Upper
 162 100
 127 38.3 33.2 49.8
 164 32.4 27.3 40.9

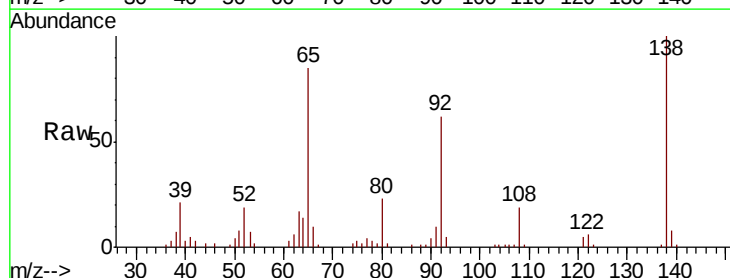


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

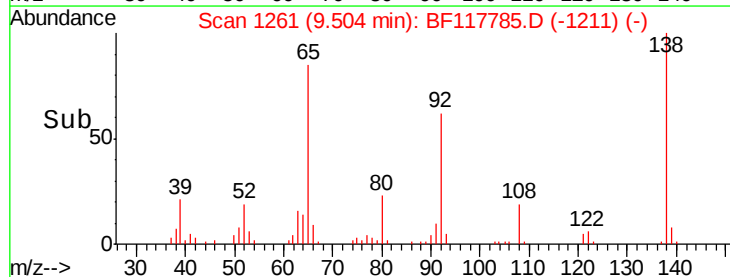
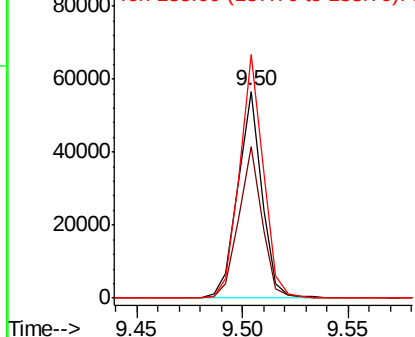


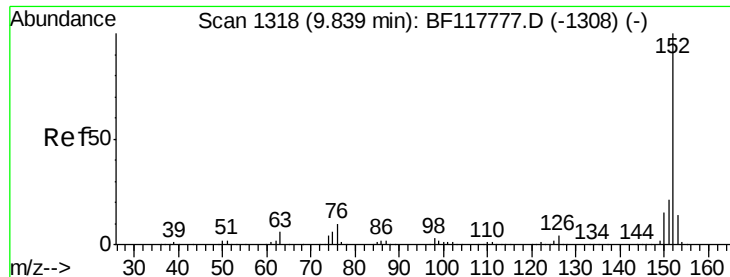
#48
 2-Nitroaniline
 Concen: 4.487 ng
 RT: 9.50 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BF117785.D
 Acq: 14 Nov 2019 9:47

Tgt Ion: 65 Resp: 44264
 Ion Ratio Lower Upper
 65 100
 92 73.0 56.6 84.8
 138 117.7 90.5 135.7



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





#49

Acenaphthylene

Concen: 5.794 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

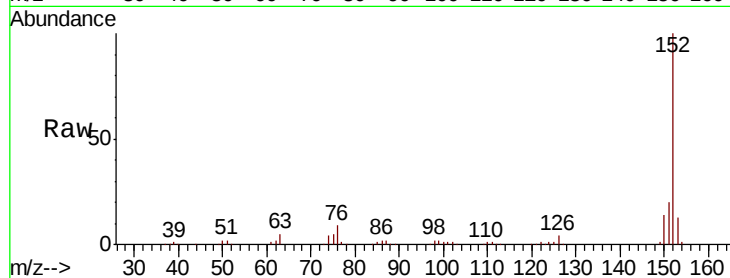
Tot Ion:152 Resp: 275992

Ion Ratio Lower Upper

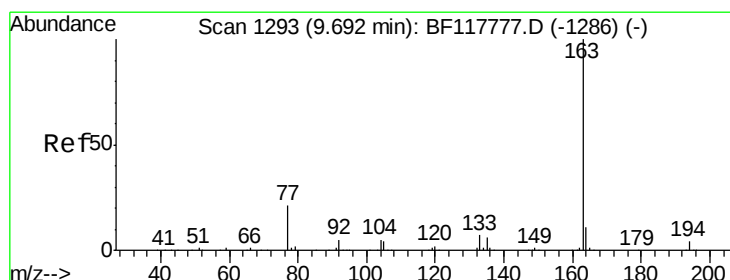
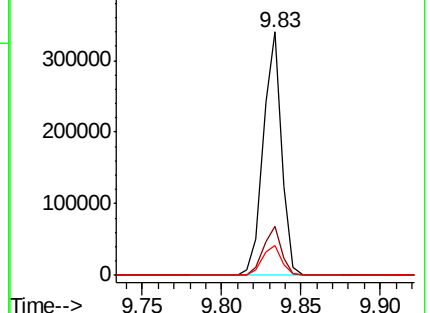
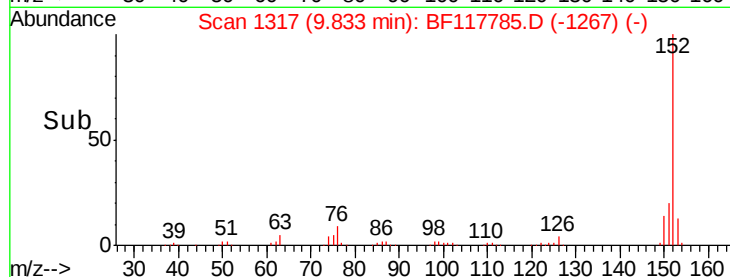
152 100

151 20.0 17.0 25.6

153 12.5 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: 5.313 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

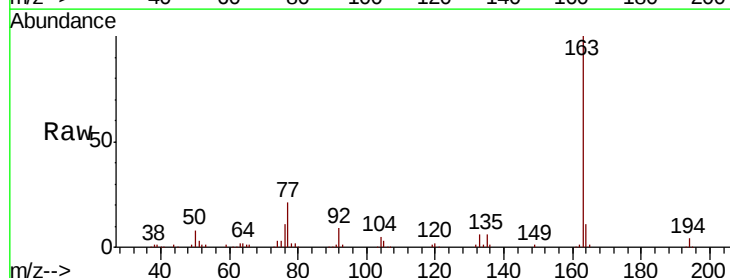
Tgt Ion:163 Resp: 199443

Ion Ratio Lower Upper

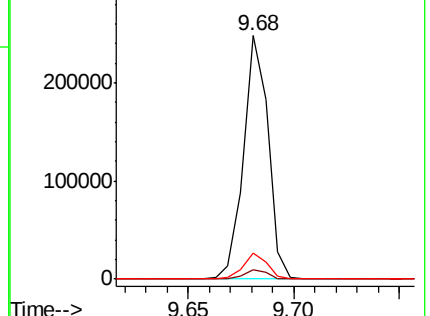
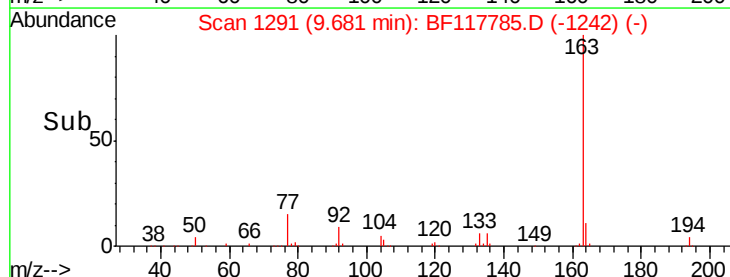
163 100

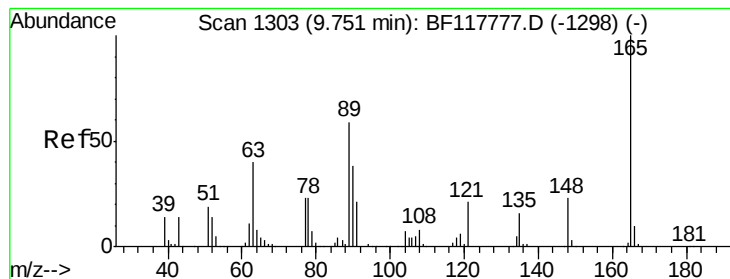
194 3.9 3.3 4.9

164 10.9 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: 4.965 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

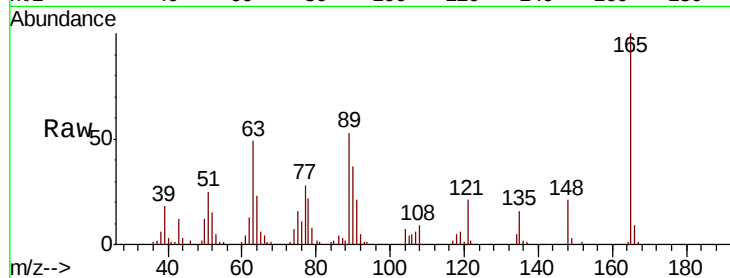
Tot Ion:165 Resp: 40736

Ion Ratio Lower Upper

165 100

63 48.8 46.0 69.0

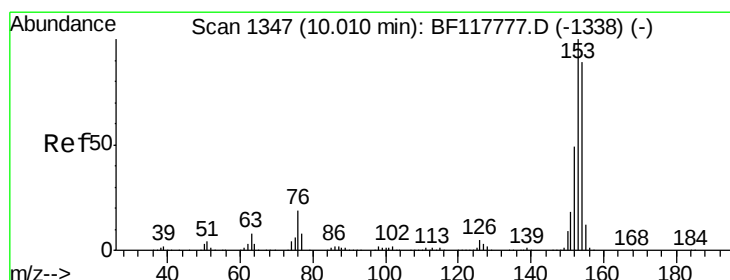
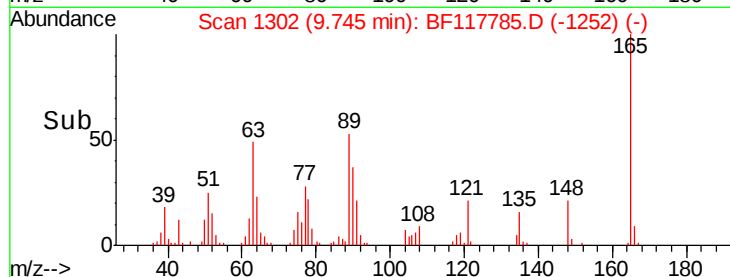
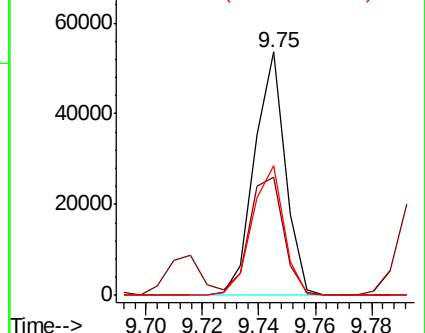
89 53.2 47.7 71.5



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: 5.617 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

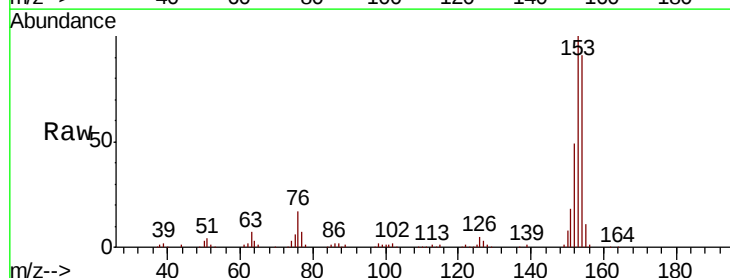
Tgt Ion:154 Resp: 171414

Ion Ratio Lower Upper

154 100

153 109.6 90.1 135.1

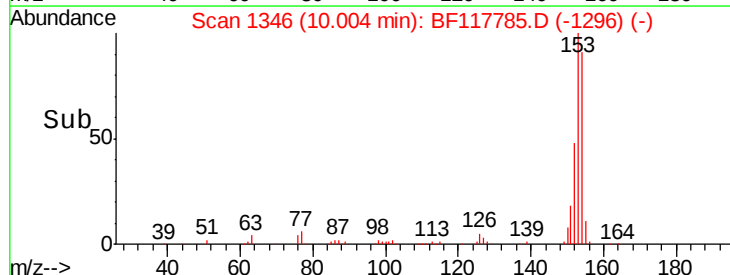
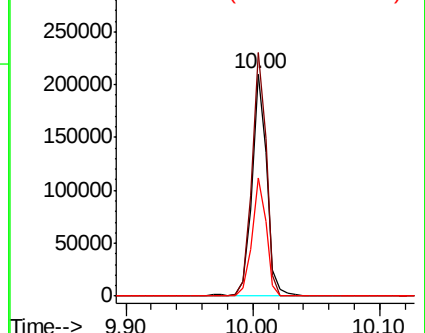
152 53.5 44.0 66.0

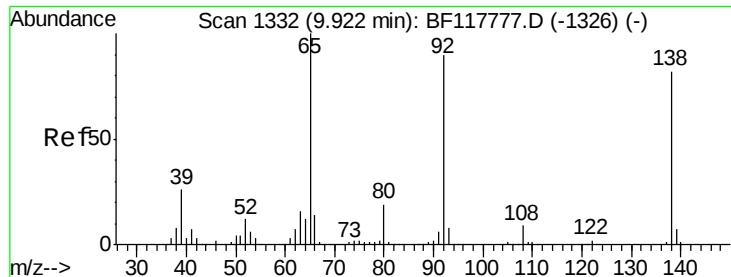


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

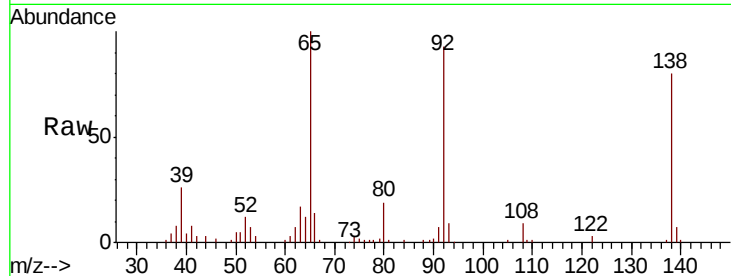




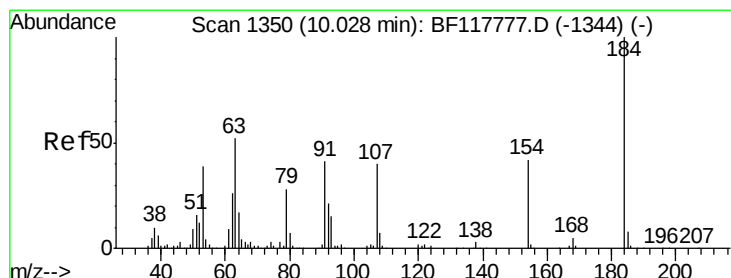
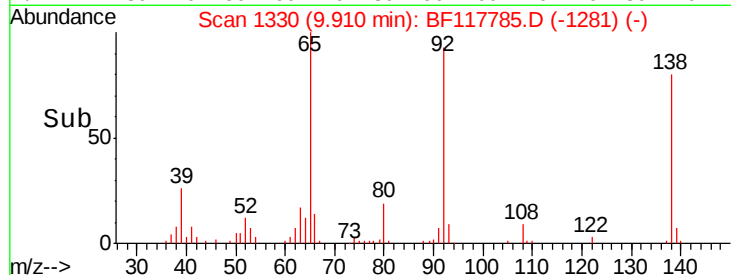
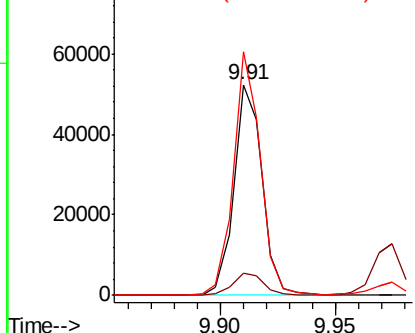
#53
3-Nitroaniline
Concen: 4.523 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:138 Resp: 44408
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.6 87.9 131.9

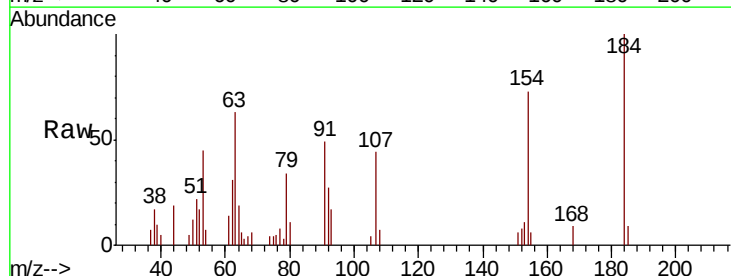


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

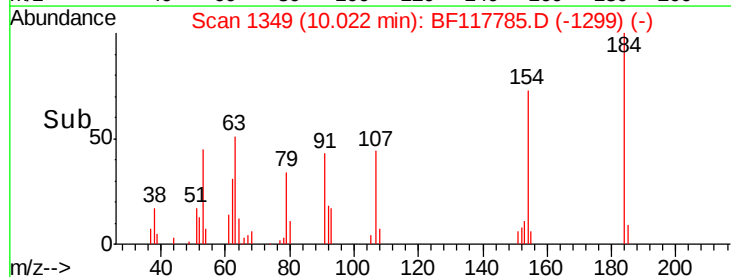
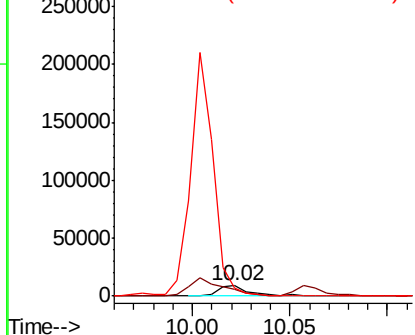


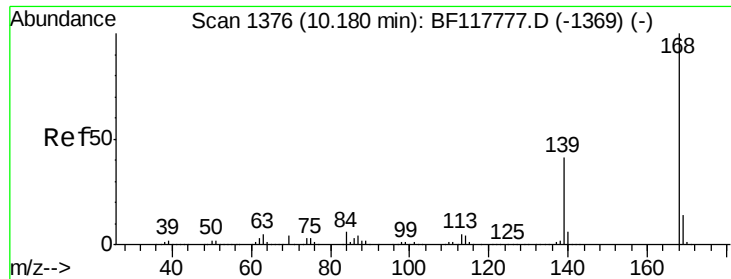
#54
2,4-Dinitrophenol
Concen: 2.838 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:184 Resp: 10336
Ion Ratio Lower Upper
184 100
63 63.3 43.0 64.6
154 73.2 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

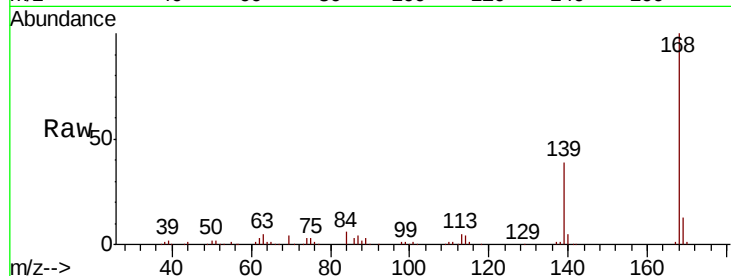




#55
Dibenzenofuran
Concen: 5.855 ng
RT: 10.17 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.8	33.0	49.6
169	13.2	11.5	17.3

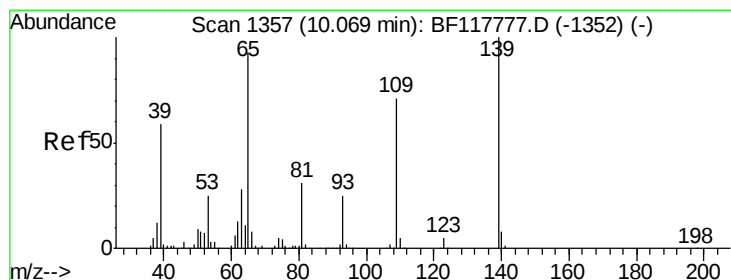
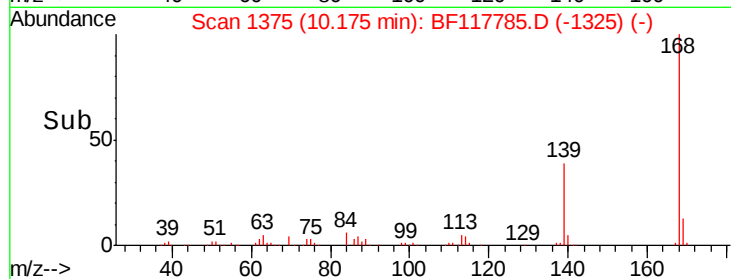
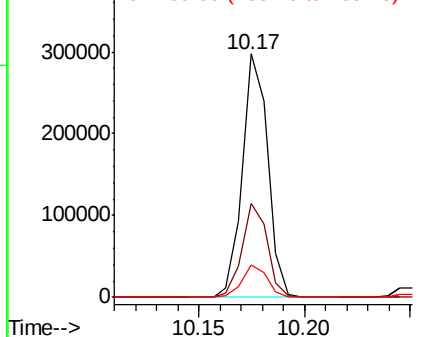


Abundance

Ion 168.00 (167.70 to 168.70): E

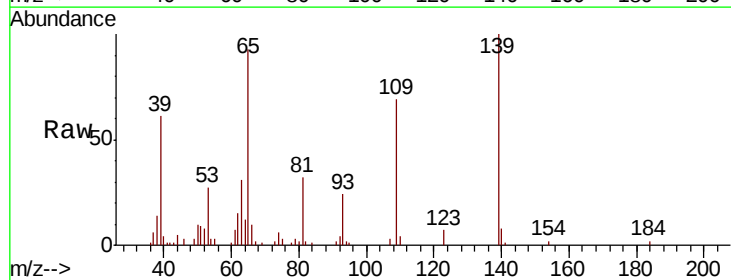
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 4.853 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.0	50.8	90.8
65	93.5	73.6	113.6

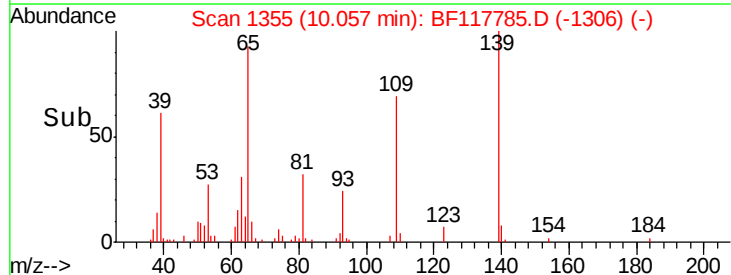
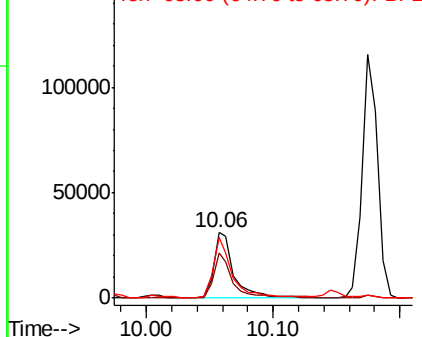


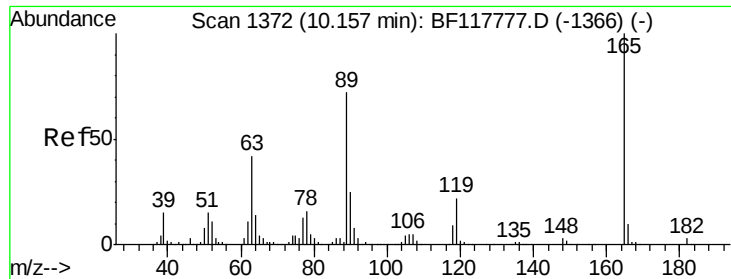
Abundance

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

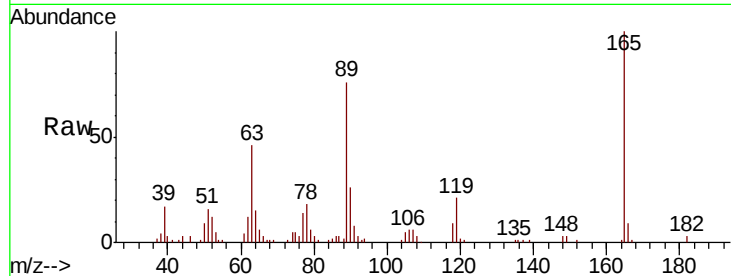




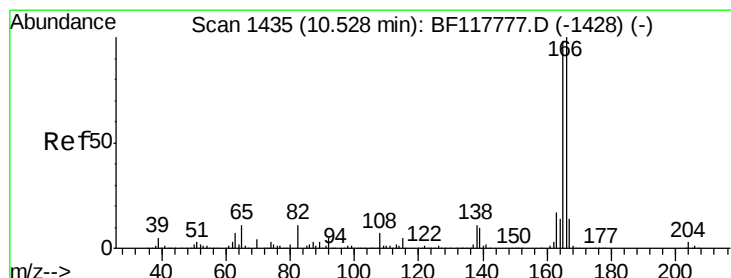
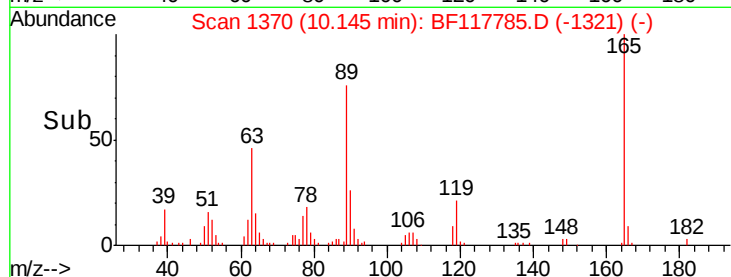
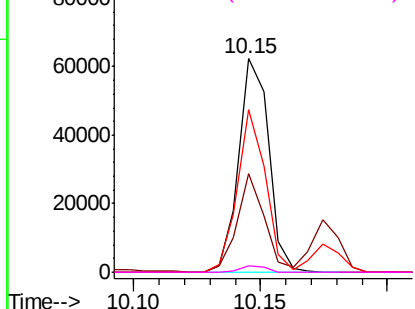
#57
2,4-Dinitrotoluene
Concen: 4.905 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:165 Resp: 51189
Ion Ratio Lower Upper
165 100
63 46.2 33.7 50.5
89 75.9 57.3 85.9
182 2.9 2.3 3.5

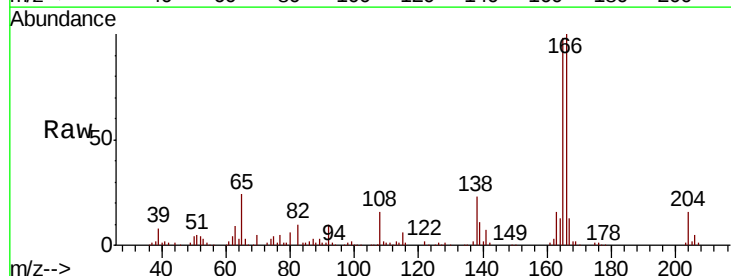


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

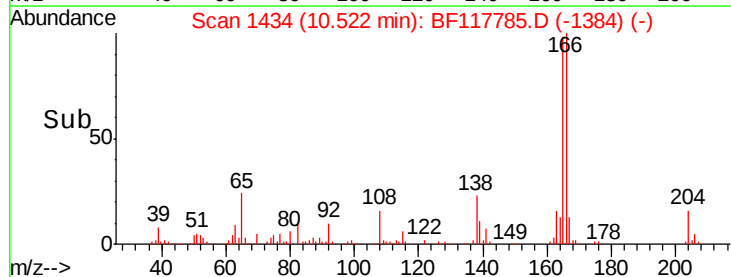
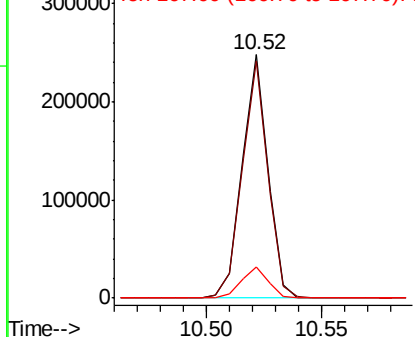


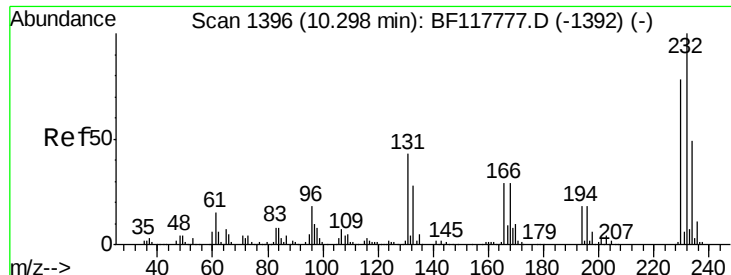
#58
Fluorene
Concen: 5.897 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:166 Resp: 193117
Ion Ratio Lower Upper
166 100
165 97.7 78.4 117.6
167 13.0 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

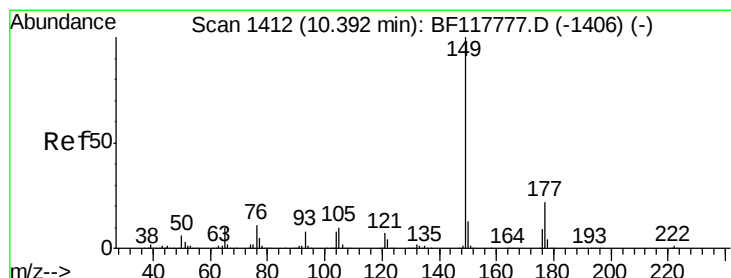
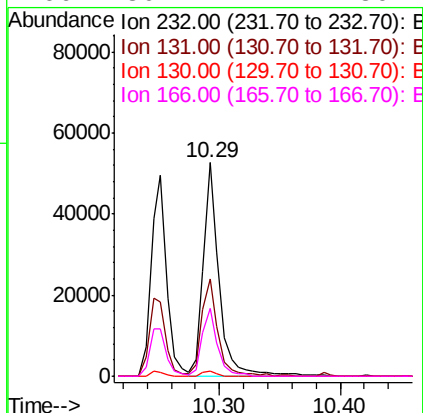
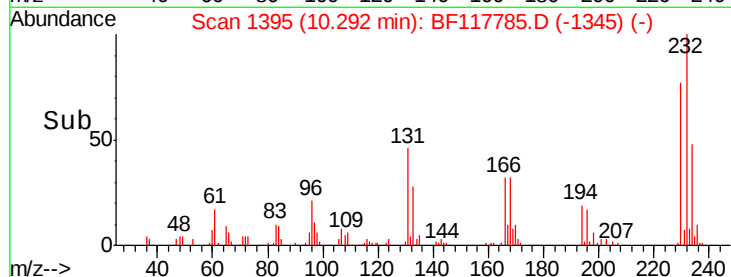
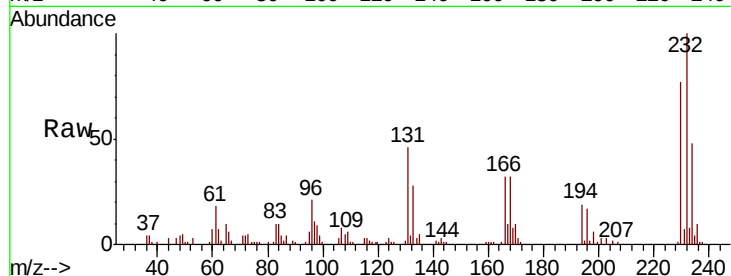




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 5.132 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF117785.D
 Acq: 14 Nov 2019 9:47

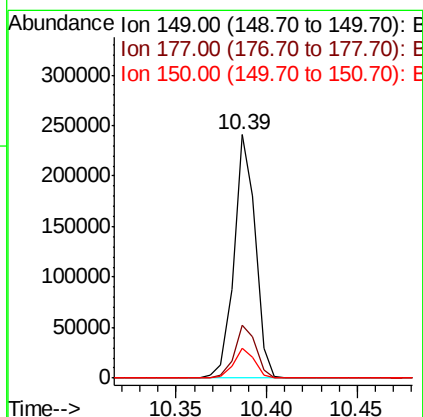
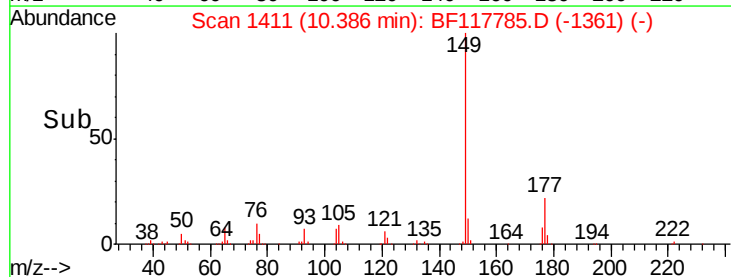
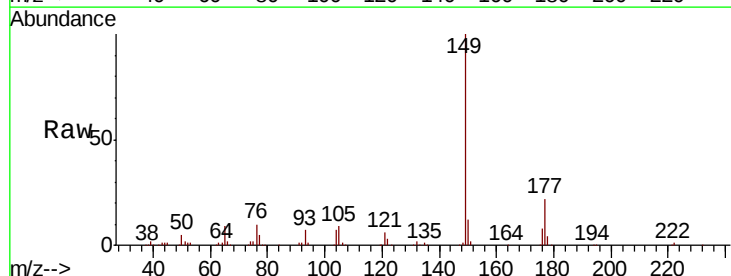
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

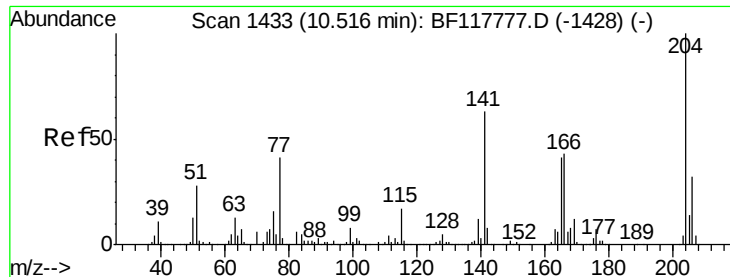
Tot Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.6	56.4
130	2.0	1.9	2.9
166	30.4	24.2	36.4



#60
 Diethylphthalate
 Concen: 5.390 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF117785.D
 Acq: 14 Nov 2019 9:47

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	18.0	27.0
150	12.2	10.5	15.7

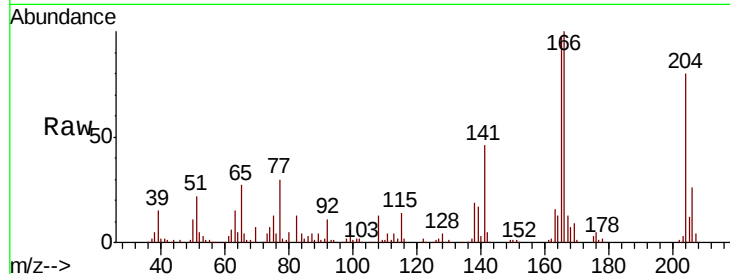




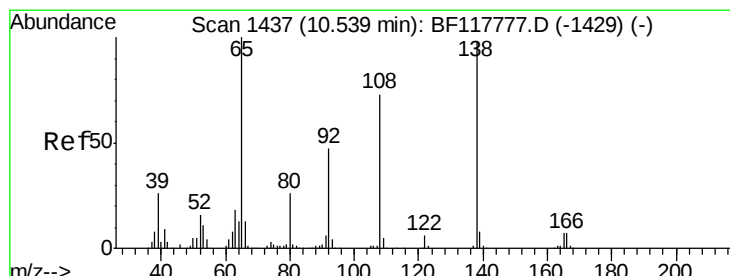
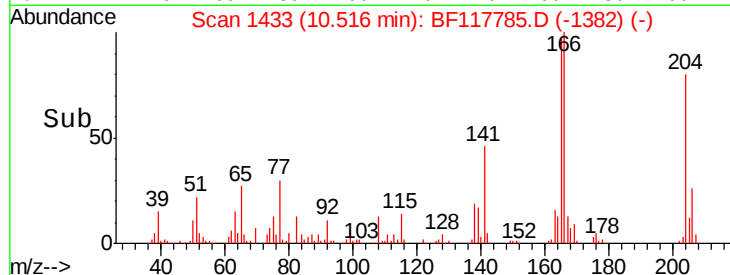
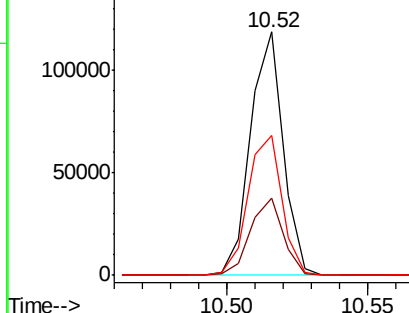
#61
 4-Chlorophenyl-phenylether
 Concen: 5.731 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF117785.D
 Acq: 14 Nov 2019 9:47

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.6	38.4
141	57.6	50.7	76.1

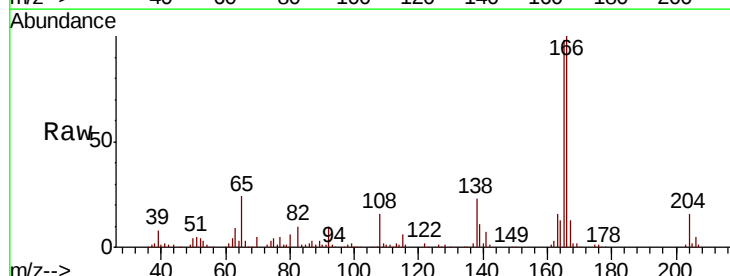


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

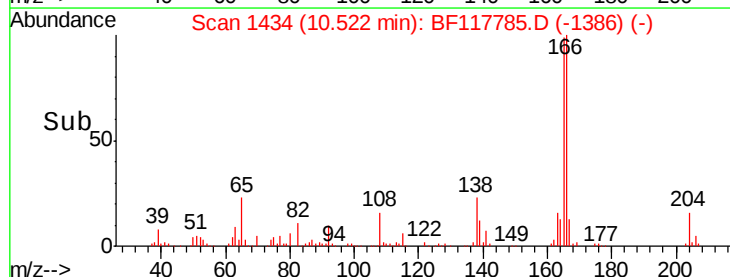
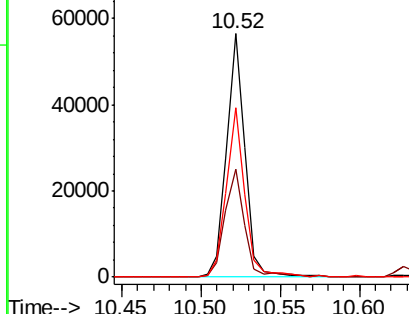


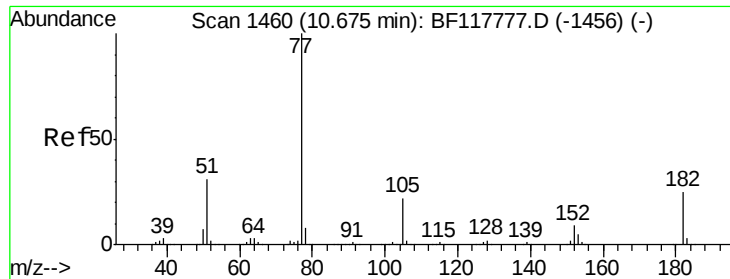
#62
 4-Nitroaniline
 Concen: 4.637 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.02 min
 Lab File: BF117785.D
 Acq: 14 Nov 2019 9:47

Tgt Ion	Ratio	Lower	Upper
138	100		
92	44.6	28.3	68.3
108	69.8	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: 5.634 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion: 77 Resp: 187585

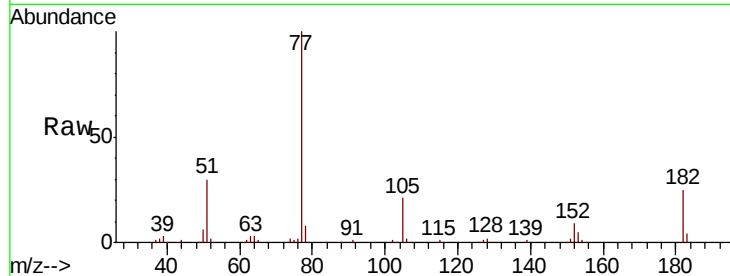
Ion Ratio Lower Upper

77 100

182 25.0 4.8 44.8

105 21.1 2.1 42.1

51 30.0 11.4 51.4

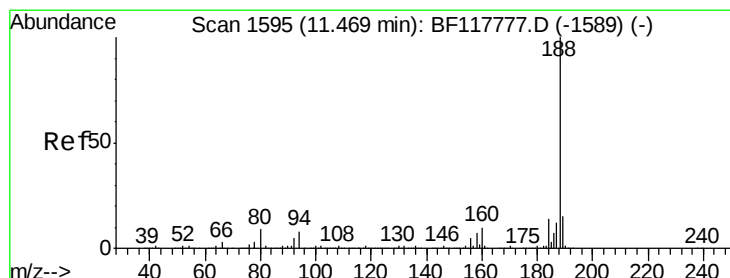
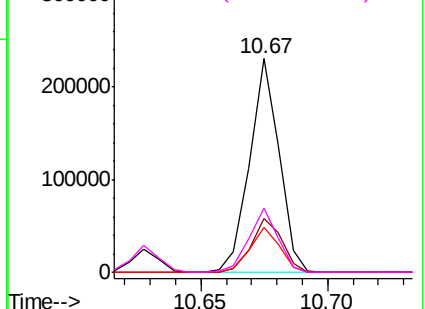
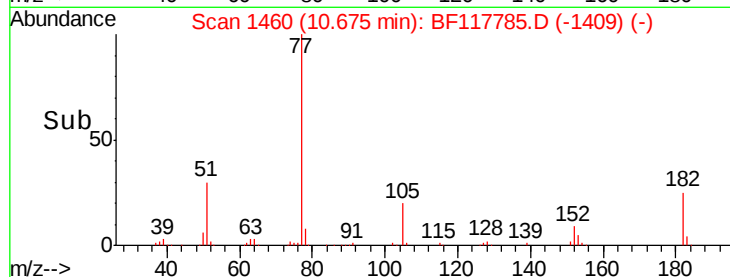


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF117785.D

Acq: 14 Nov 2019 9:47

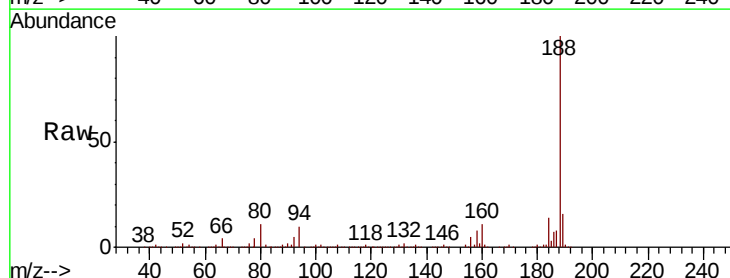
Tgt Ion: 188 Resp: 1029428

Ion Ratio Lower Upper

188 100

94 9.8 6.6 10.0

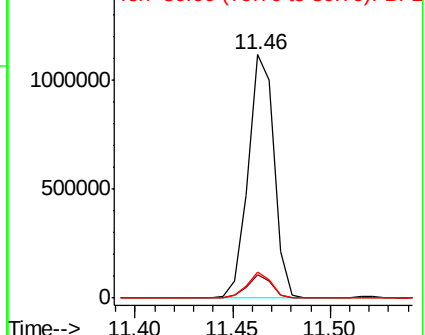
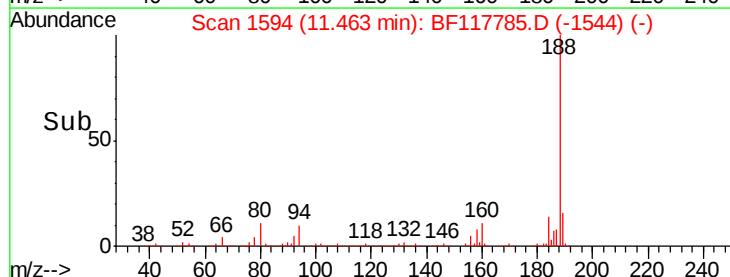
80 10.6 7.2 10.8

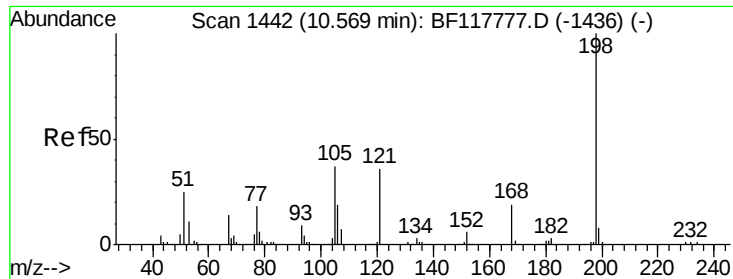


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.662 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

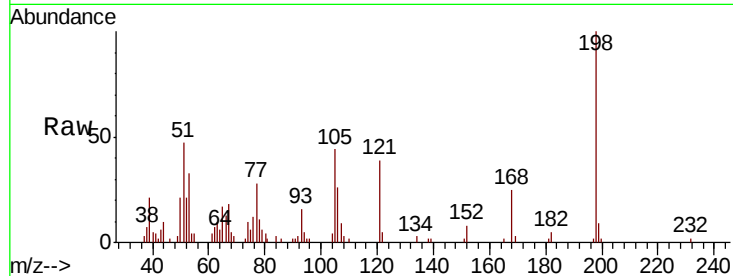
Tot Ion:198 Resp: 17598

Ion Ratio Lower Upper

198 100

51 47.0 16.0 56.0

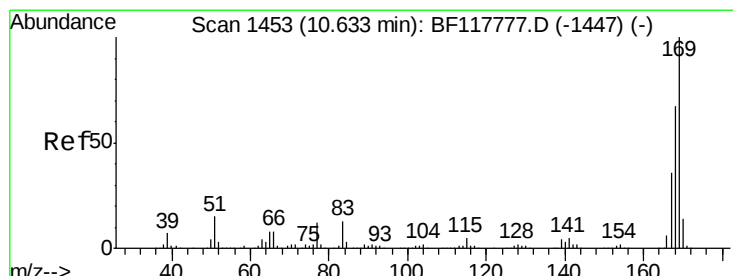
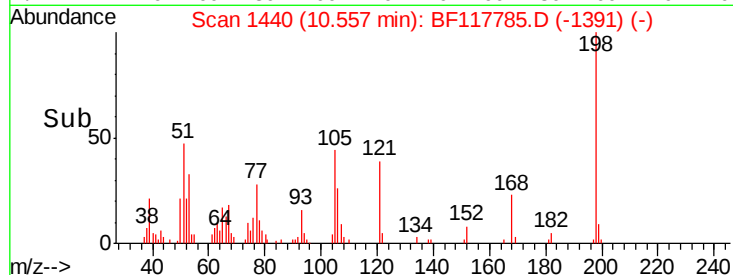
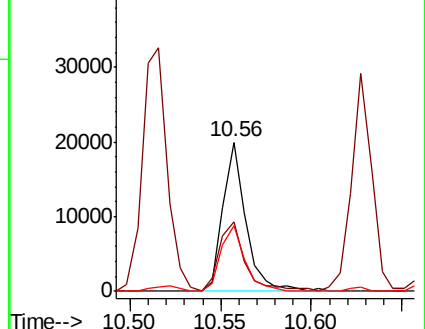
105 44.0 19.1 59.1



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 5.588 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

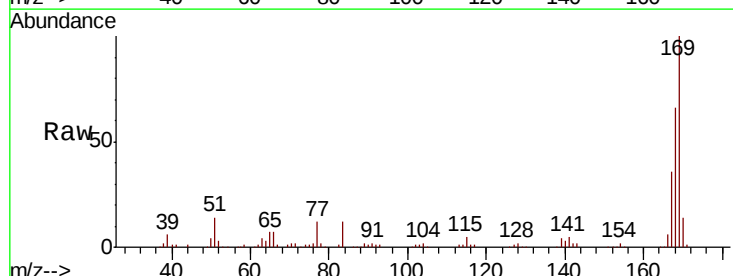
Tgt Ion:169 Resp: 167401

Ion Ratio Lower Upper

169 100

168 66.0 53.5 80.3

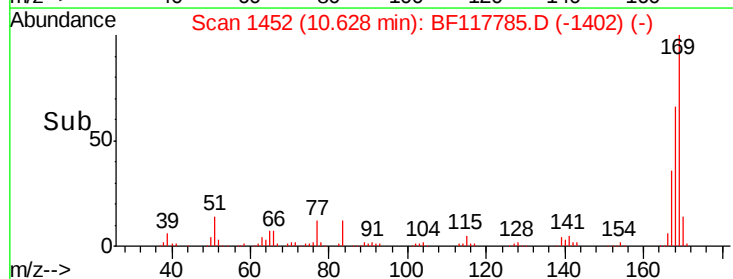
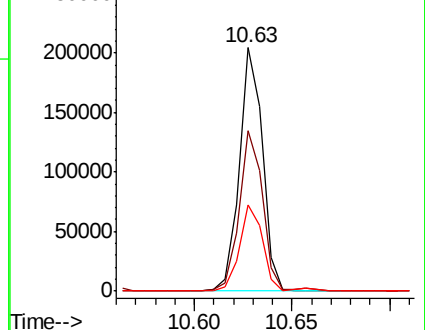
167 35.6 29.0 43.4

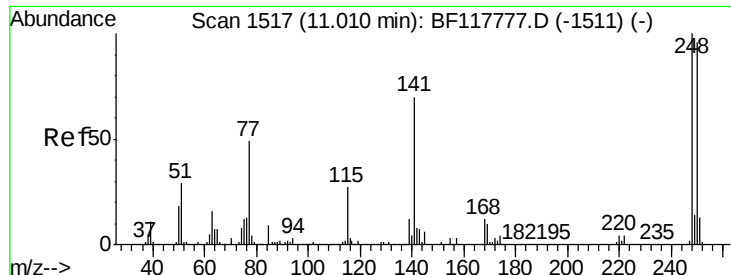


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 5.285 ng

RT: 11.00 min Scan# 1516

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

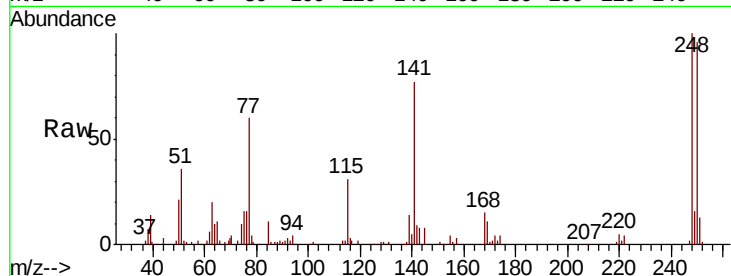
Tot Ion:248 Resp: 58704

Ion Ratio Lower Upper

248 100

250 96.3 76.6 115.0

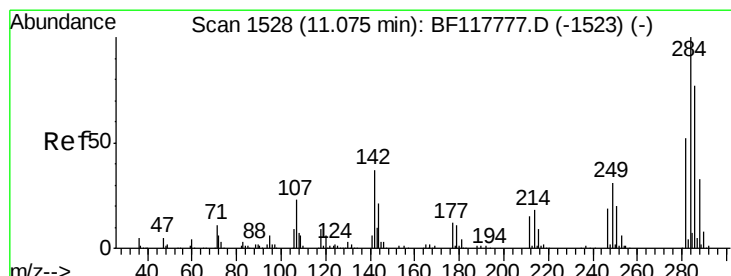
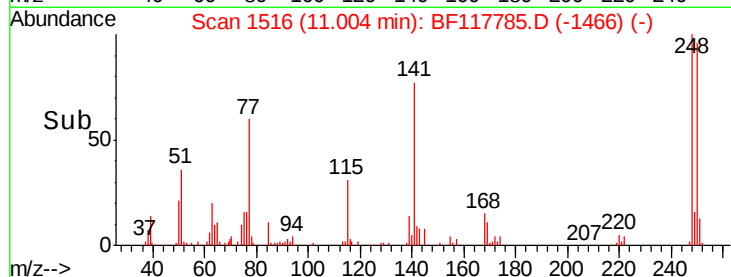
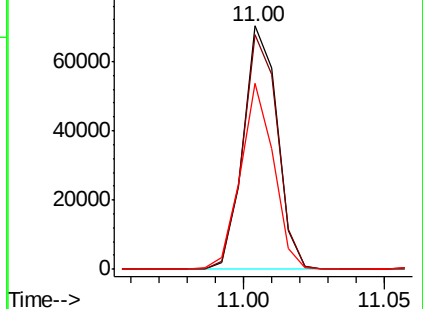
141 76.6 55.9 83.9



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: 5.242 ng

RT: 11.07 min Scan# 1528

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

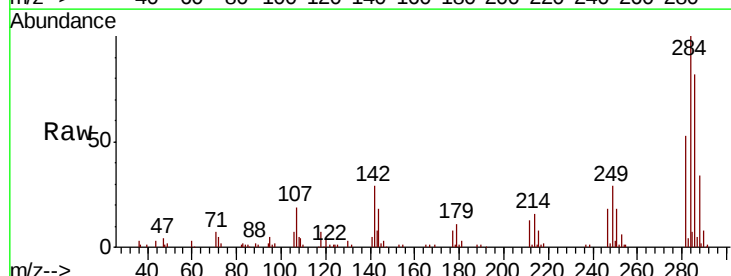
Tgt Ion:284 Resp: 67895

Ion Ratio Lower Upper

284 100

142 29.0 29.4 44.2#

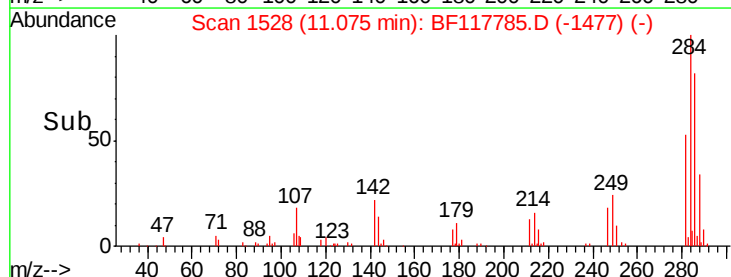
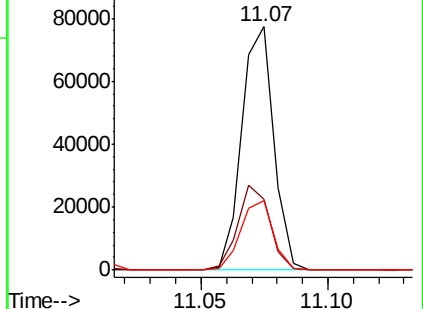
249 28.6 24.6 37.0

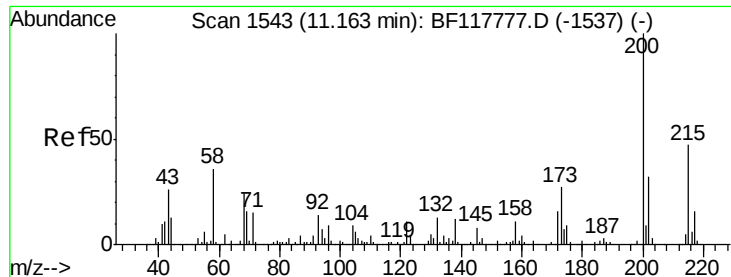


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

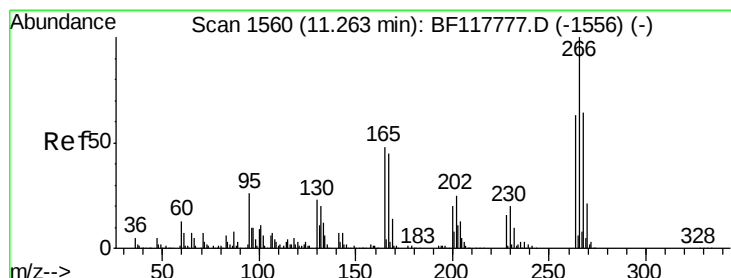
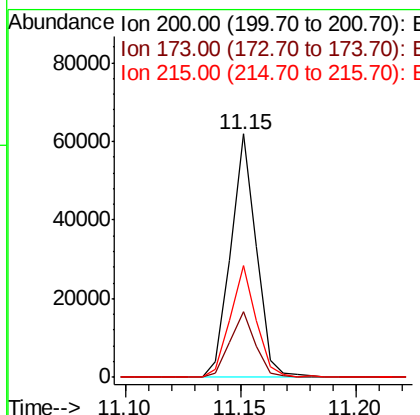
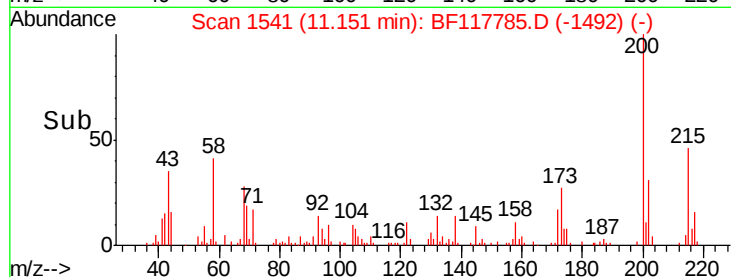
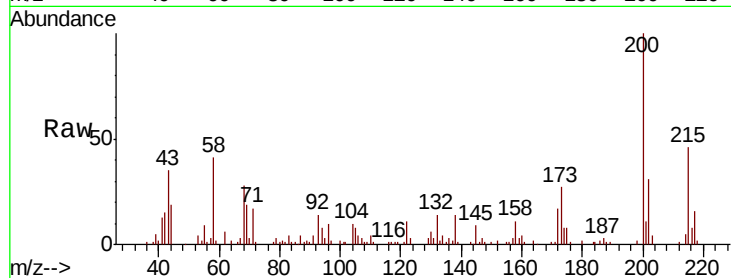




#69
Atrazine
Concen: 4.851 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

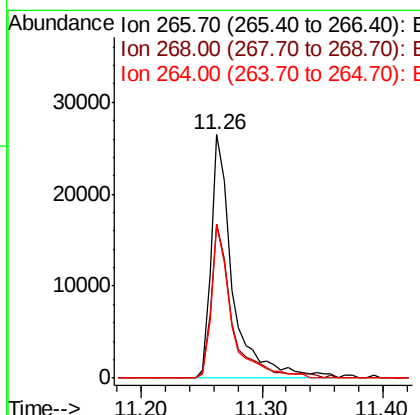
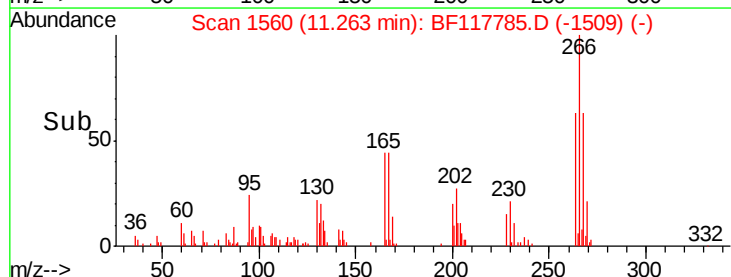
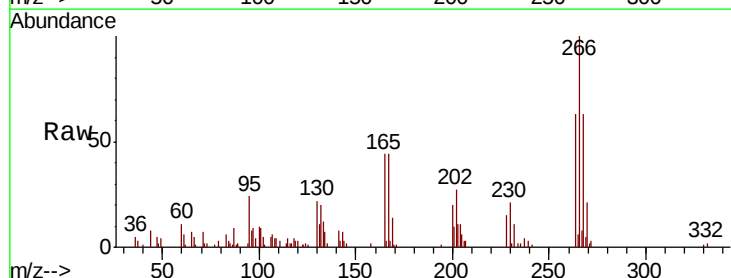
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

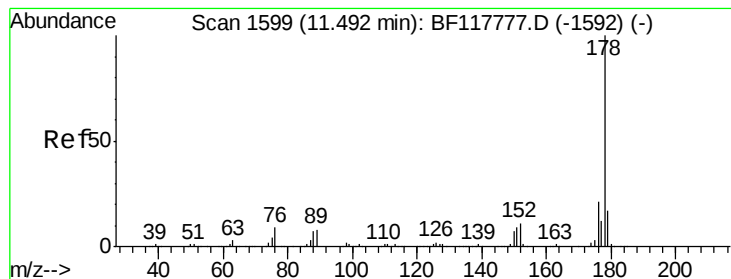
Tot Ion:200 Resp: 47803
Ion Ratio Lower Upper
200 100
173 26.8 6.7 46.7
215 45.9 27.5 67.5



#70
Pentachlorophenol
Concen: 4.297 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:266 Resp: 32516
Ion Ratio Lower Upper
266 100
268 63.2 50.8 76.2
264 63.4 50.7 76.1





#71

Phenanthrene

Concen: 5.801 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

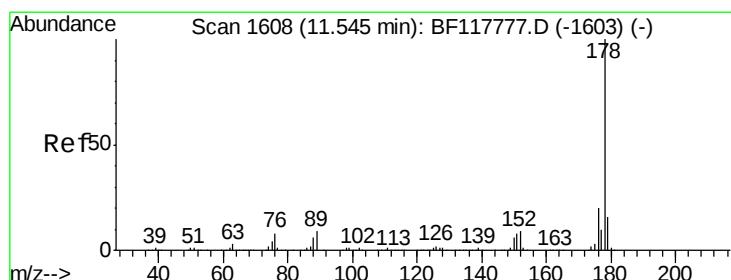
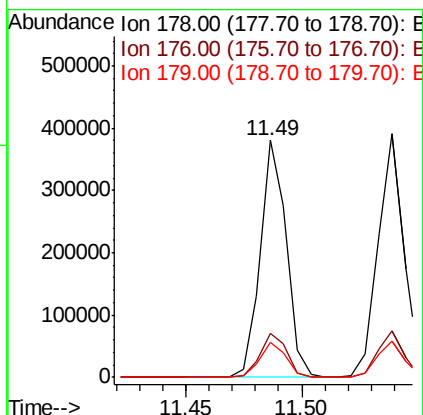
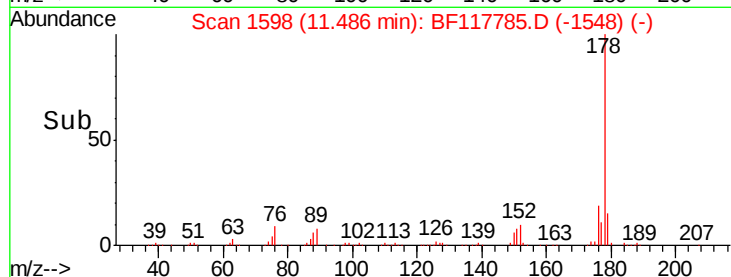
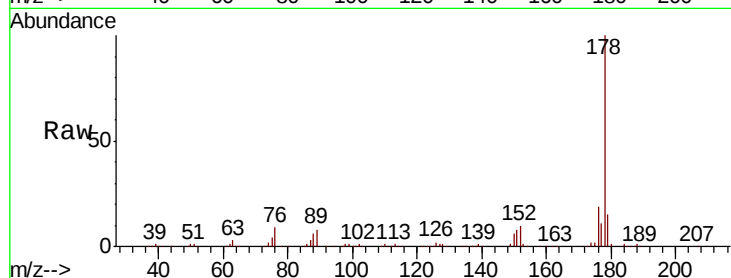
Tot Ion:178 Resp: 300244

Ion Ratio Lower Upper

178 100

176 18.8 16.6 25.0

179 14.9 13.2 19.8



#72

Anthracene

Concen: 5.972 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

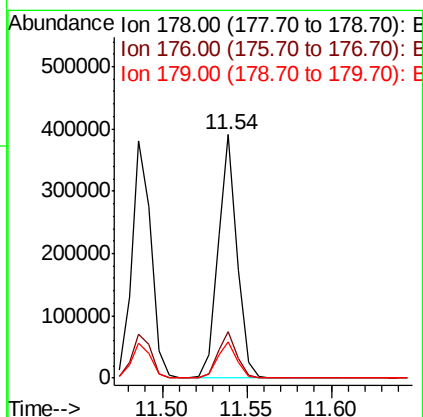
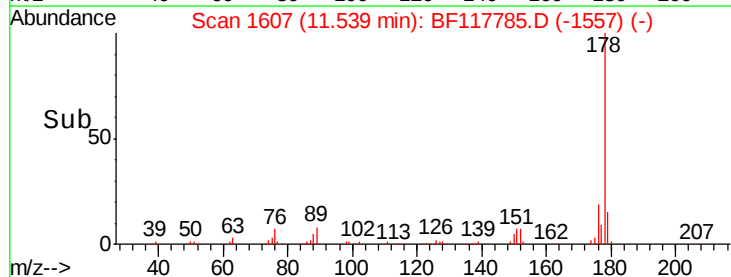
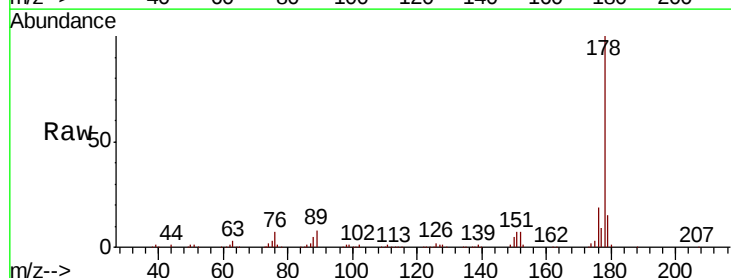
Tgt Ion:178 Resp: 306455

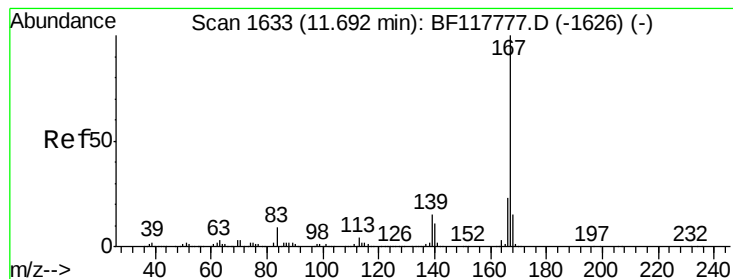
Ion Ratio Lower Upper

178 100

176 18.9 16.1 24.1

179 15.1 13.0 19.4





#73

Carbazole

Concen: 5.942 ng

RT: 11.69 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

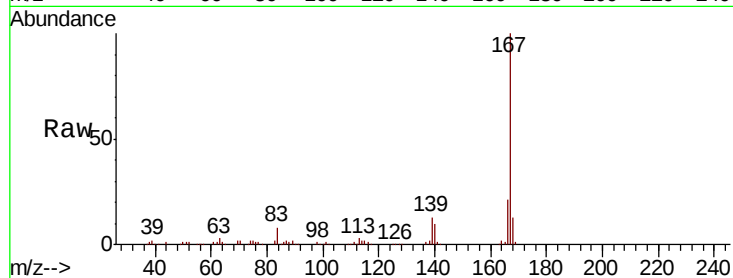
Tot Ion:167 Resp: 266444

Ion Ratio Lower Upper

167 100

166 21.3 18.0 27.0

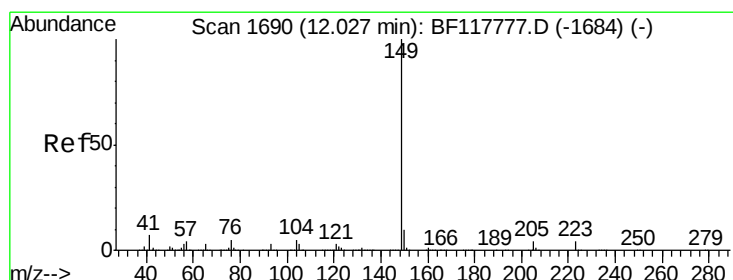
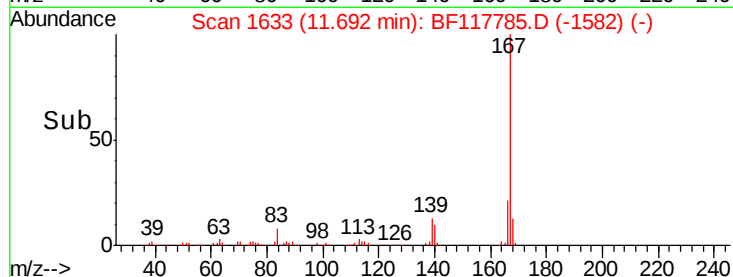
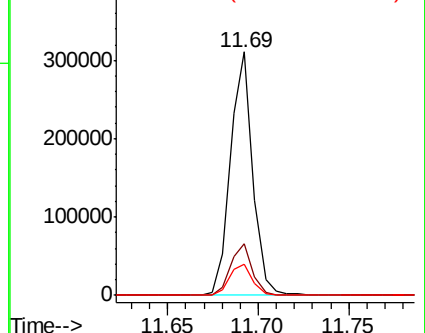
139 12.6 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 5.459 ng

RT: 12.02 min Scan# 1689

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

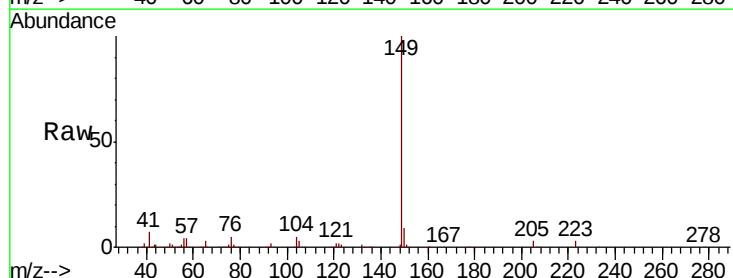
Tgt Ion:149 Resp: 304800

Ion Ratio Lower Upper

149 100

150 9.3 7.9 11.9

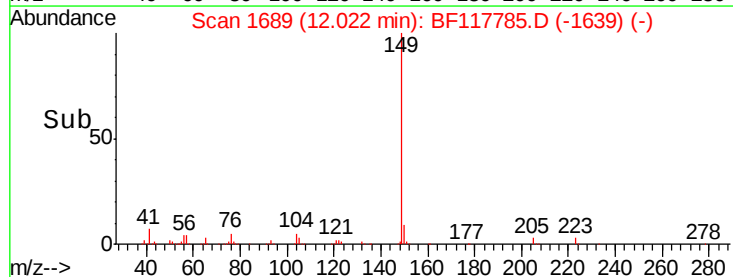
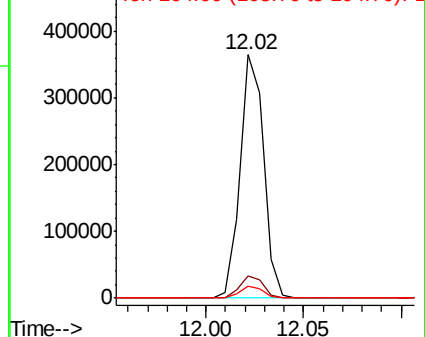
104 5.1 4.2 6.4

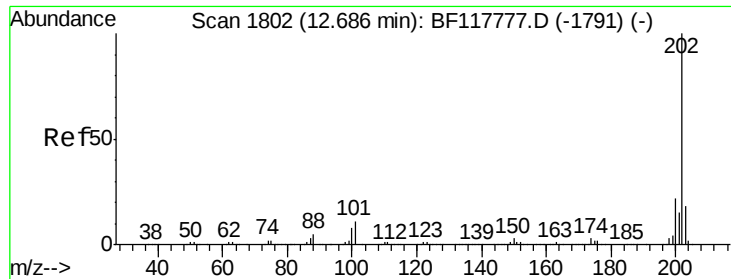


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 6.120 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

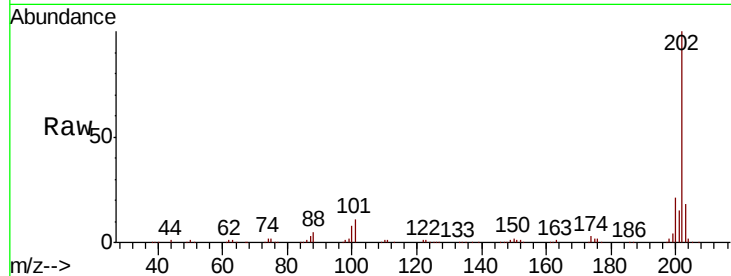
Tot Ion:202 Resp: 306404

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.1

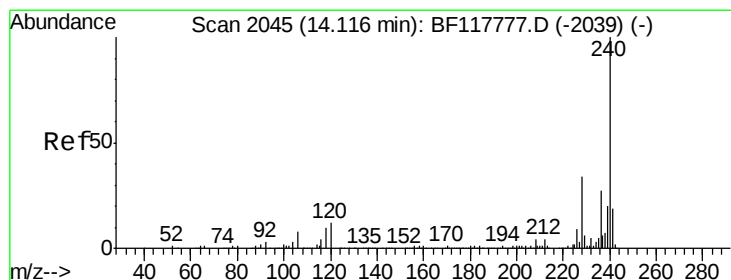
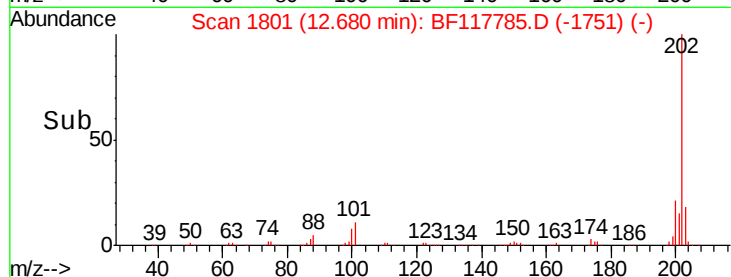
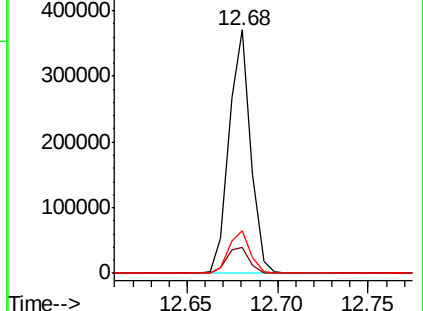
203 17.6 0.0 38.2



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: BF117785.D

Acq: 14 Nov 2019 9:47

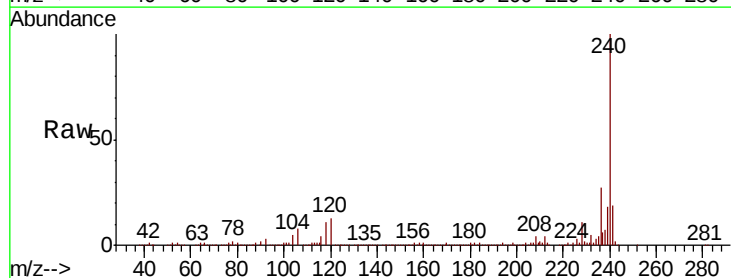
Tgt Ion:240 Resp: 788173

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

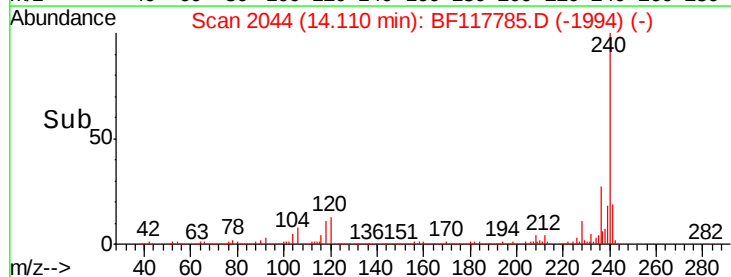
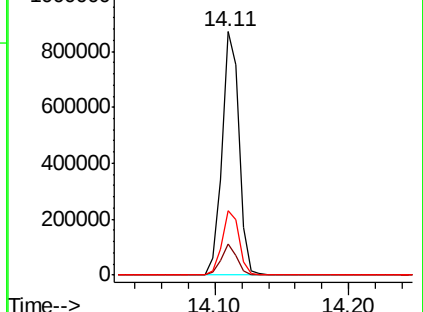
236 26.6 21.3 31.9

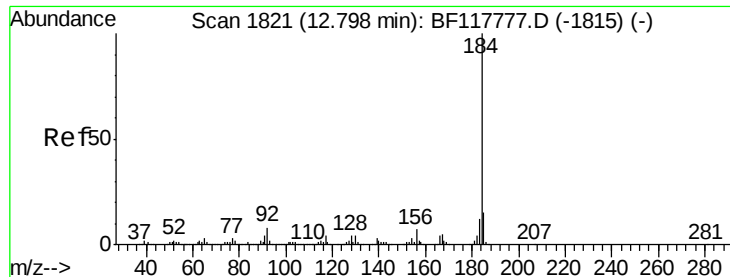


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 5.102 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

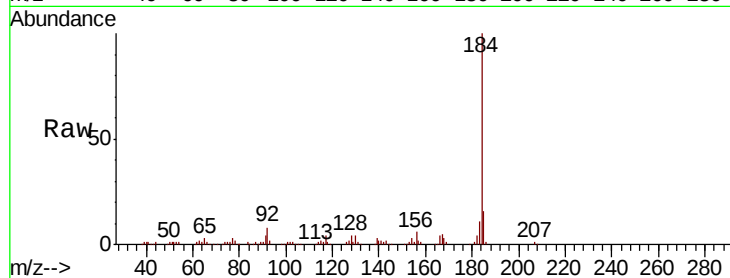
Tot Ion:184 Resp: 131710

Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.4

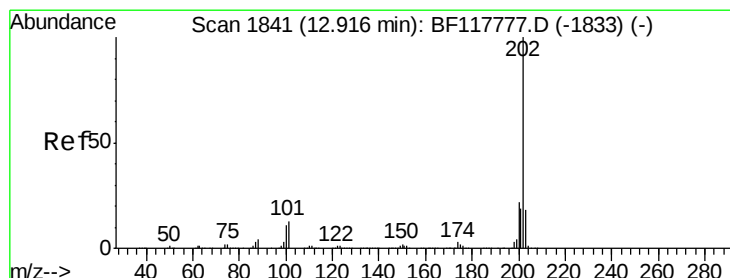
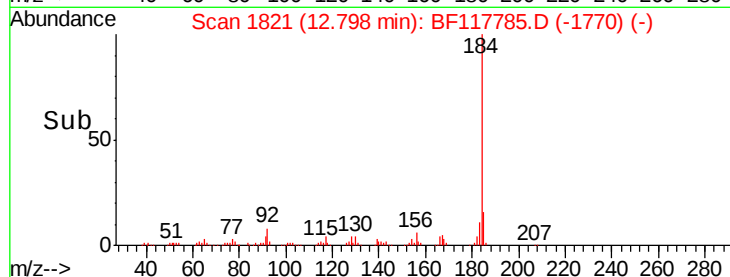
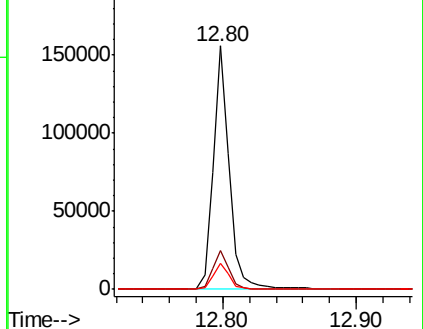
183 10.8 9.5 14.3



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: 4.918 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

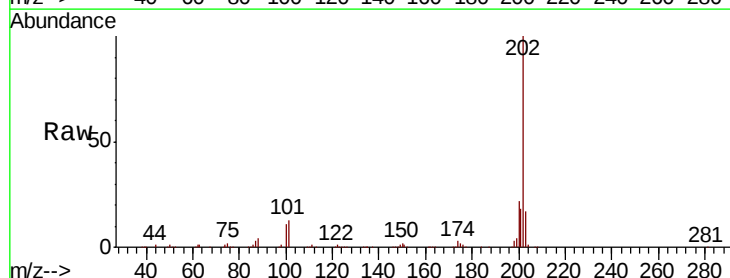
Tgt Ion:202 Resp: 313261

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.8

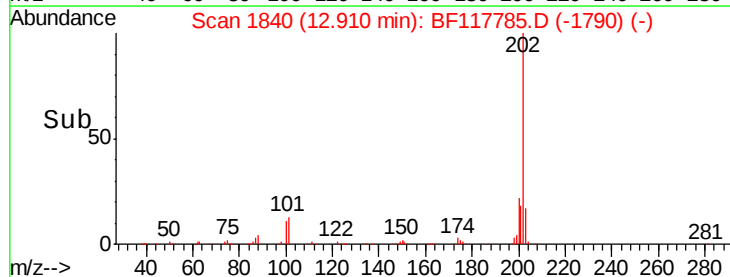
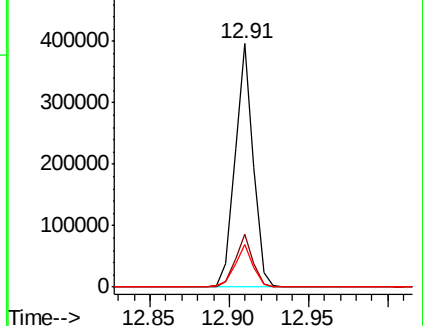
203 17.4 14.6 22.0

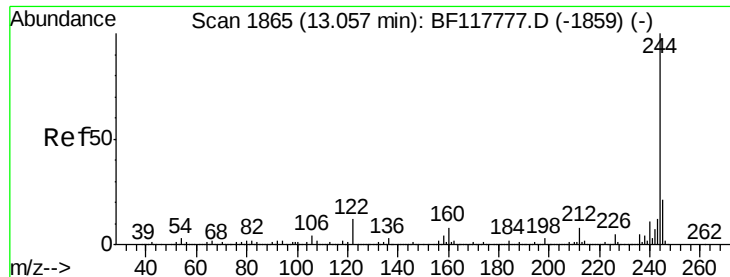


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.835 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

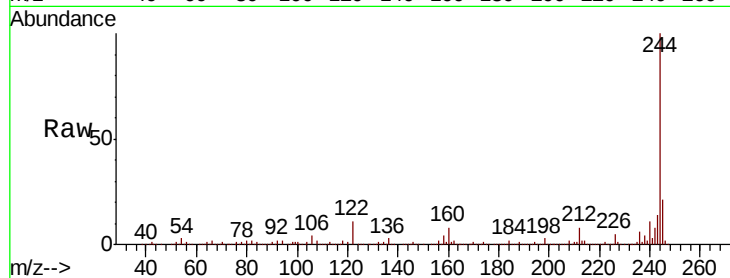
Tot Ion:244 Resp: 3529202

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

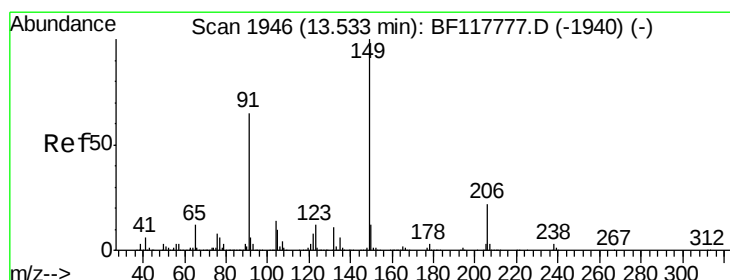
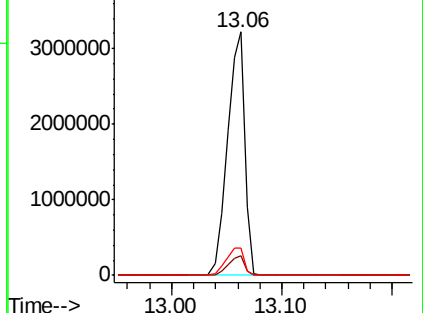
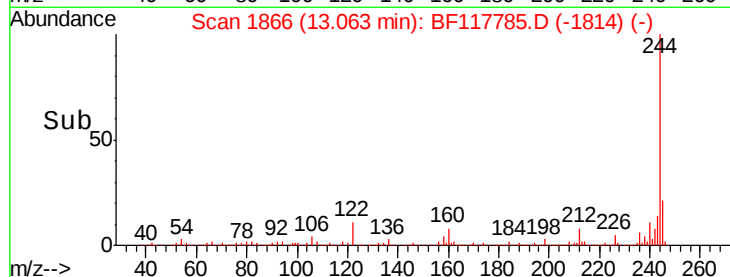
122 11.4 9.4 14.2



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: 4.175 ng

RT: 13.53 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

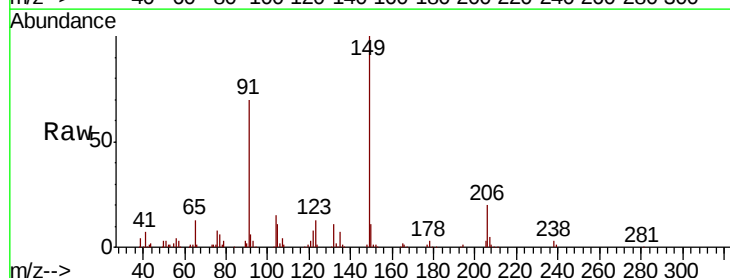
Tgt Ion:149 Resp: 114213

Ion Ratio Lower Upper

149 100

91 70.0 51.9 77.9

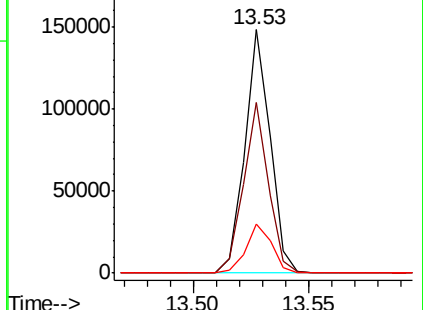
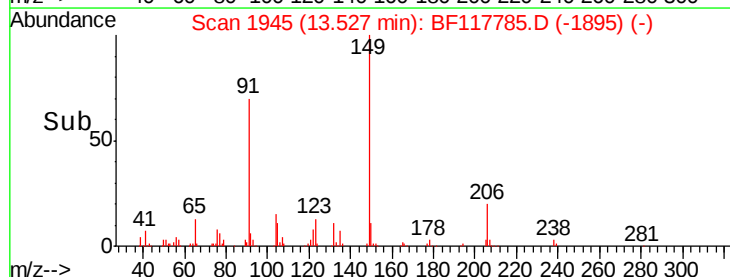
206 20.1 17.2 25.8

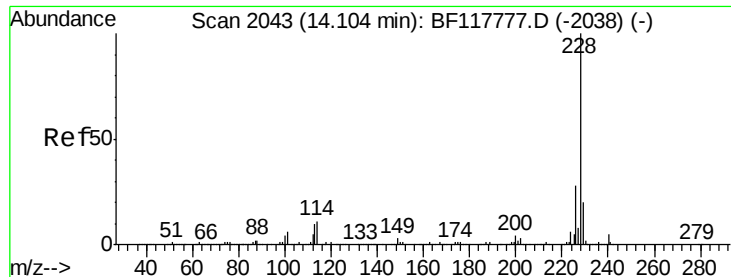


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.285 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

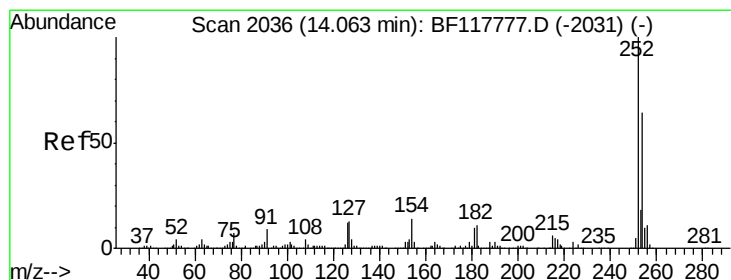
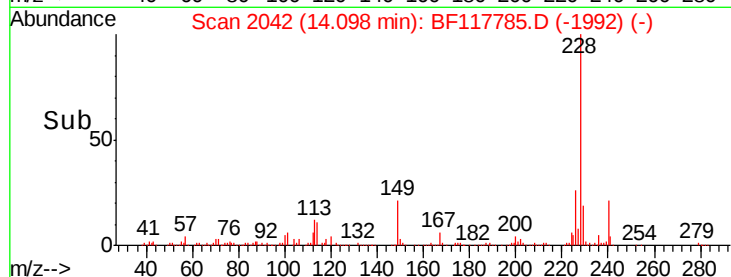
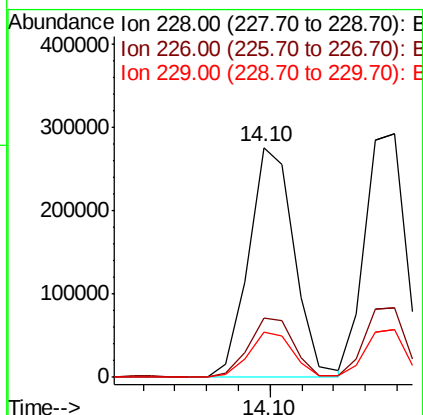
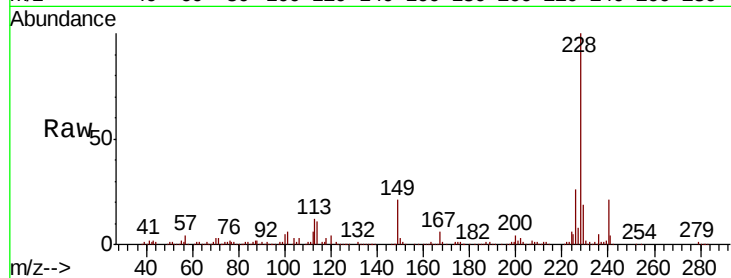
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	228	Resp:	275251
Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.2	33.2
229	19.4	15.9	23.9



#82

3,3'-Dichlorobenzidine

Concen: 5.305 ng

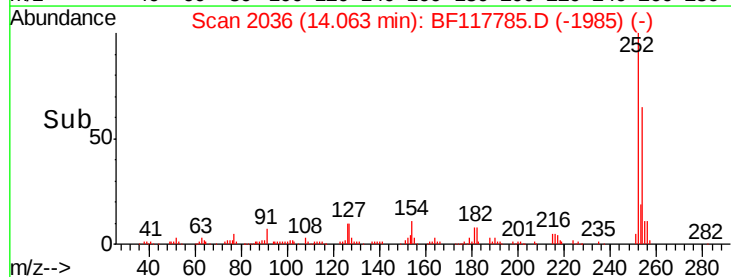
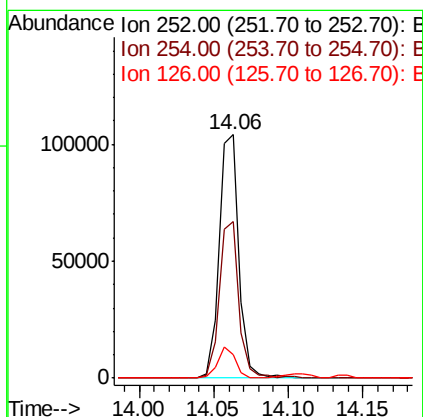
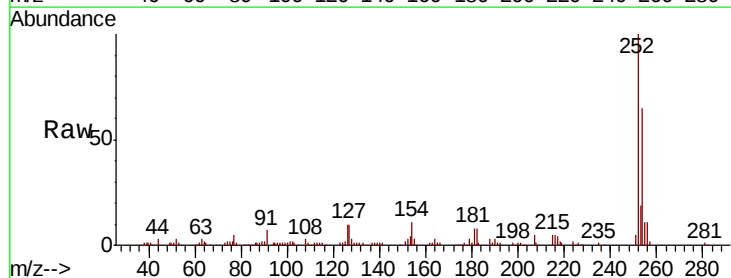
RT: 14.06 min Scan# 2036

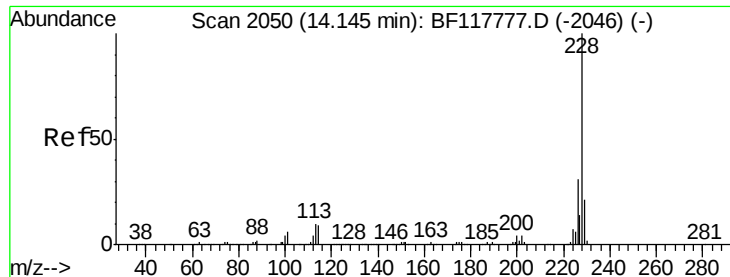
Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Tgt Ion:	252	Resp:	96647
Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.6
126	9.8	9.7	14.5

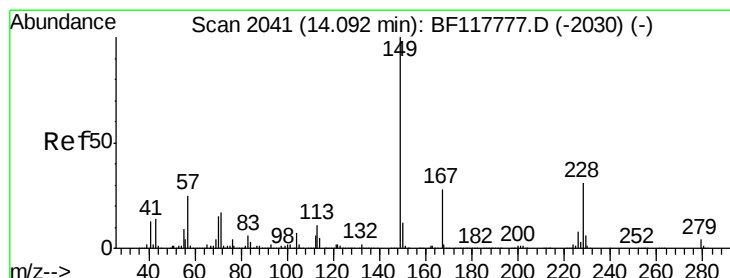
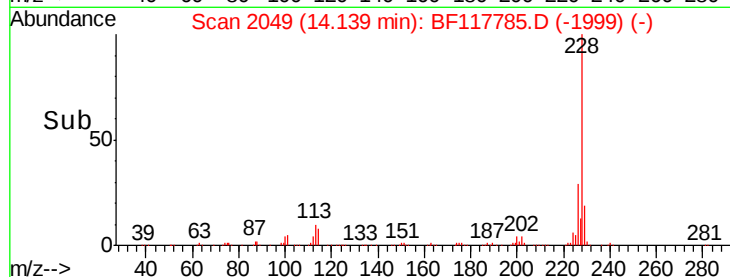
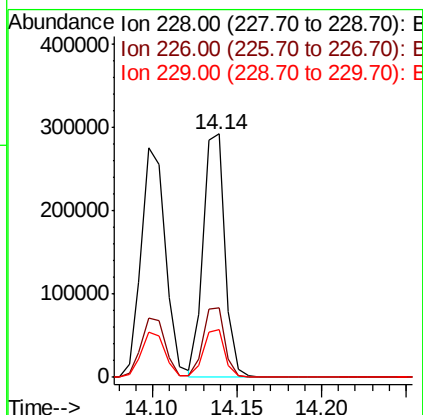
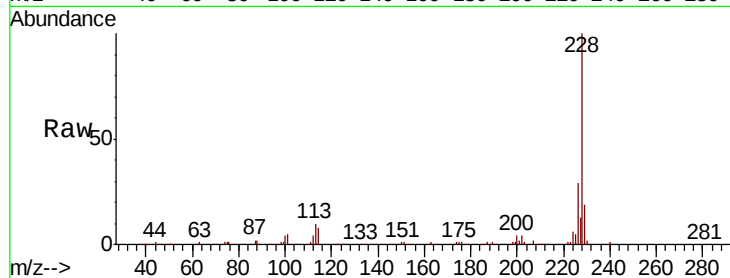




#83
Chrysene
Concen: 5.228 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

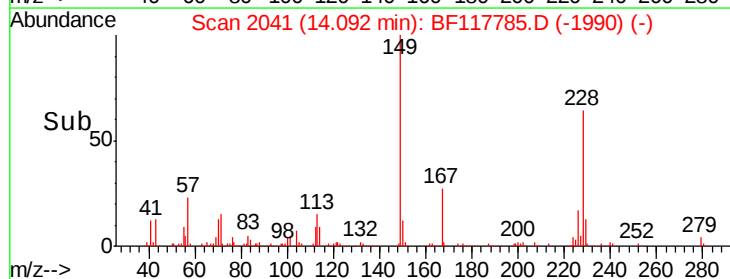
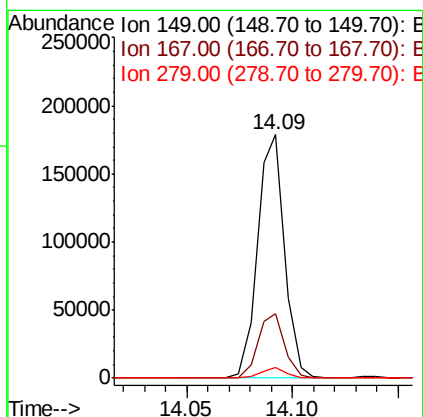
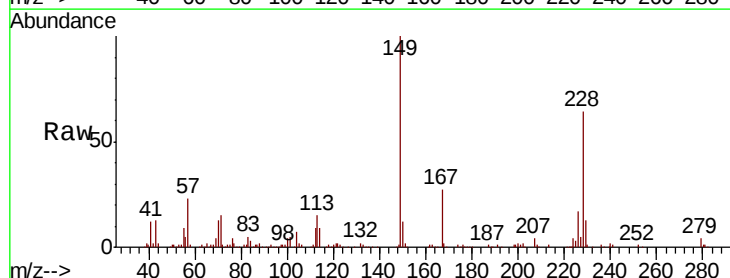
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

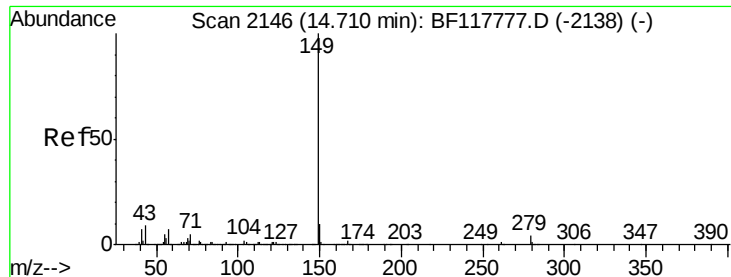
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.0	37.4
229	19.5	16.6	25.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.796 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.2	33.2
279	4.3	3.4	5.2





#85

Di-n-octyl phthalate

Concen: 4.836 ng

RT: 14.71 min Scan# 2146

Delta R.T. 0.00 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

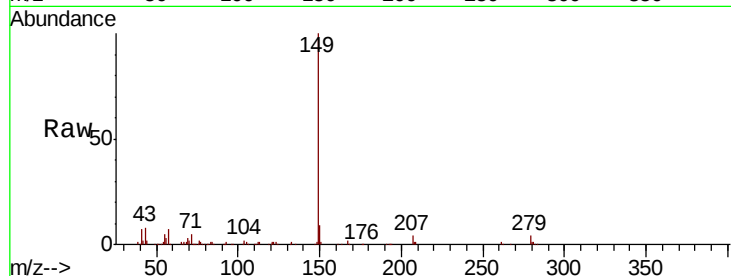
Tot Ion:149 Resp: 235646

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

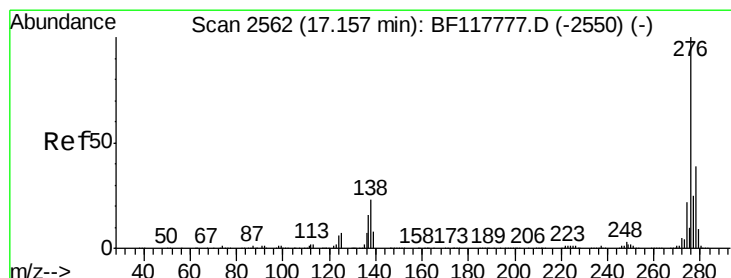
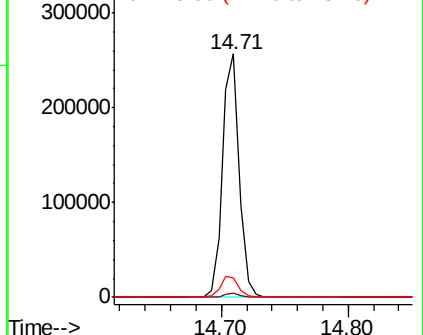
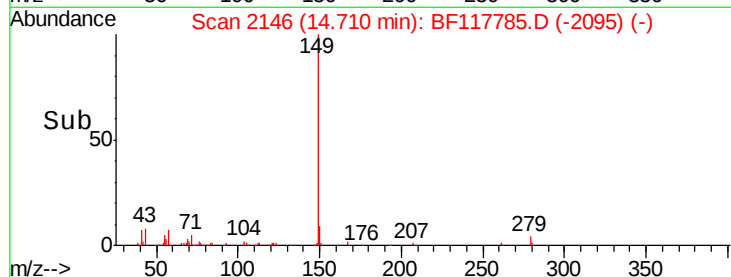
43 9.6 7.4 11.2



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: 4.402 ng

RT: 17.14 min Scan# 2560

Delta R.T. -0.01 min

Lab File: BF117785.D

Acq: 14 Nov 2019 9:47

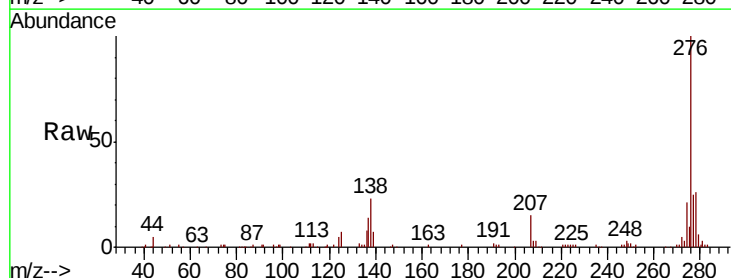
Tgt Ion:276 Resp: 189069

Ion Ratio Lower Upper

276 100

138 26.7 20.9 31.3

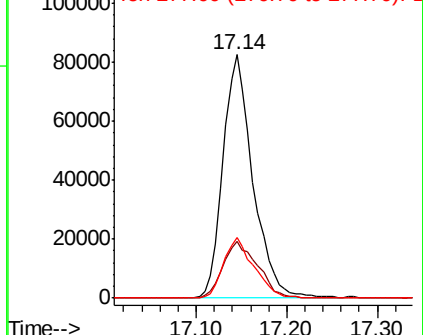
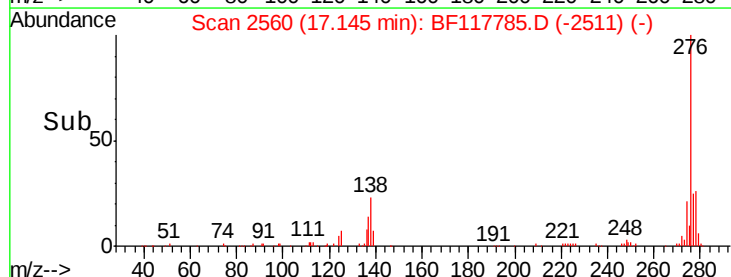
277 25.2 20.3 30.5

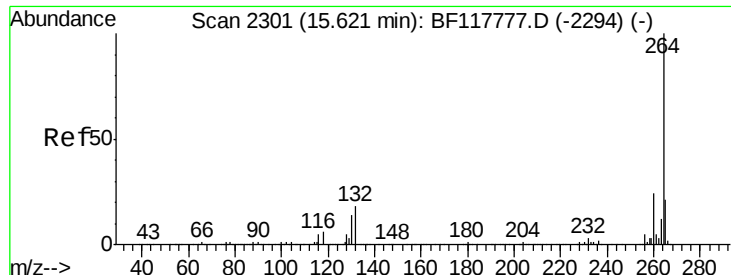


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



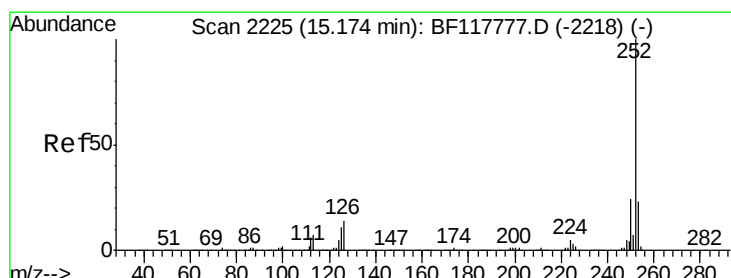
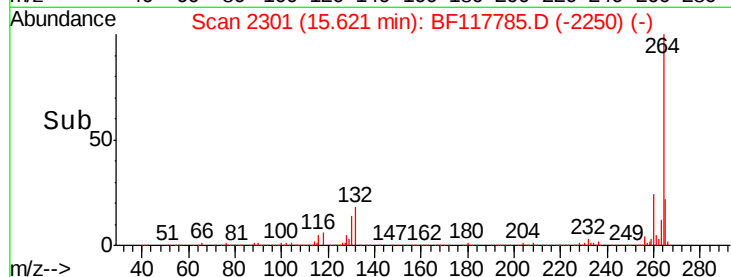
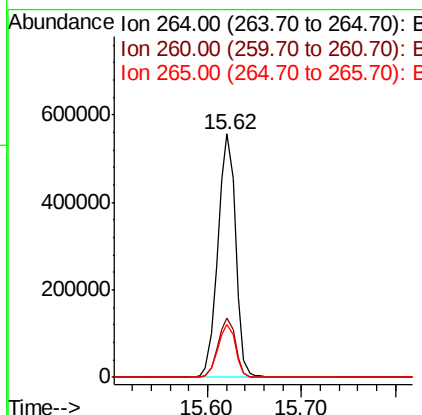
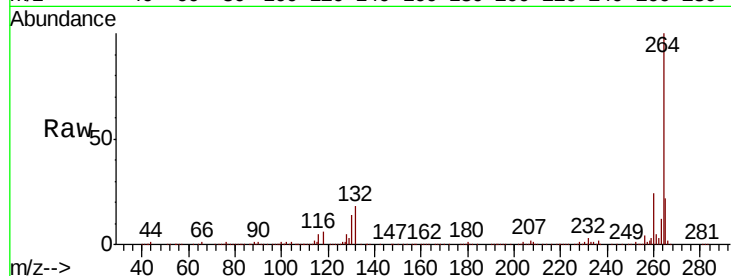


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:264 Resp: 738710

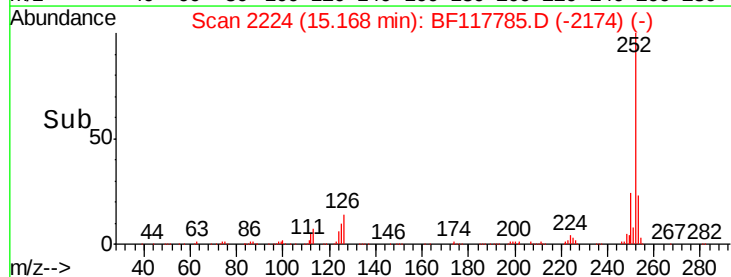
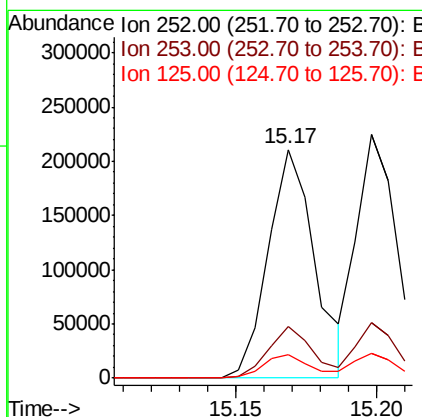
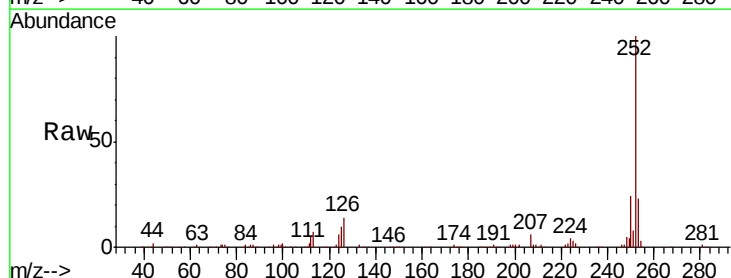
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	21.7	17.1	25.7

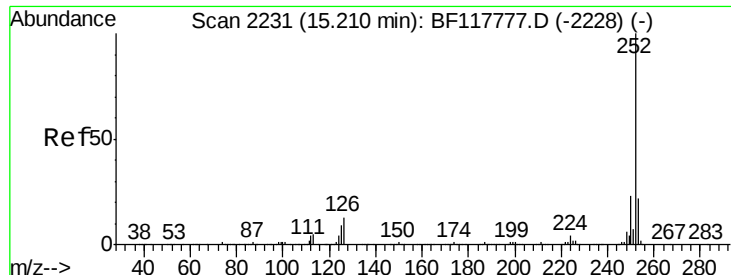


#88
Benzo(b)fluoranthene
Concen: 5.039 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:252 Resp: 241860

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	10.5	8.6	13.0

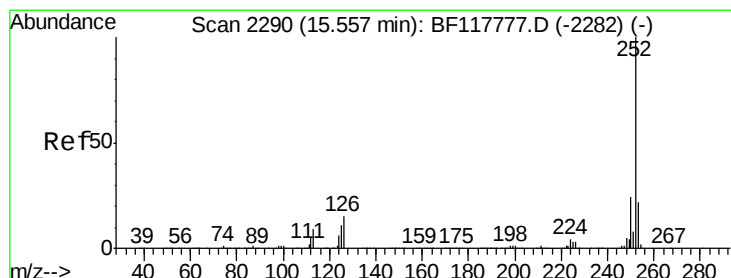
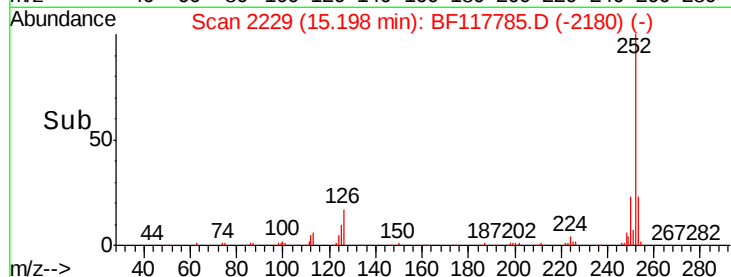
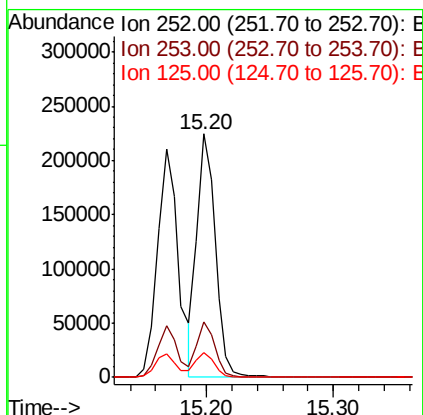
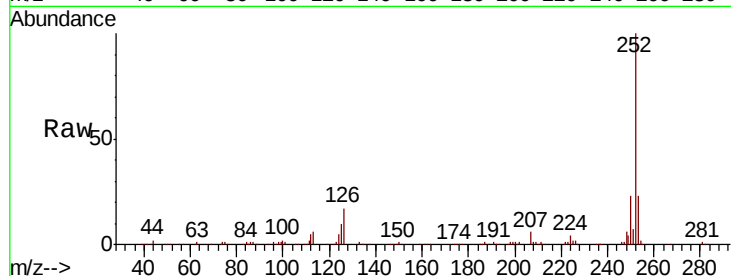




#89
Benzo(k)fluoranthene
Concen: 4.999 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

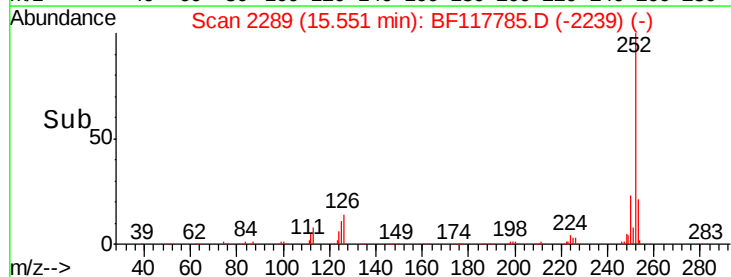
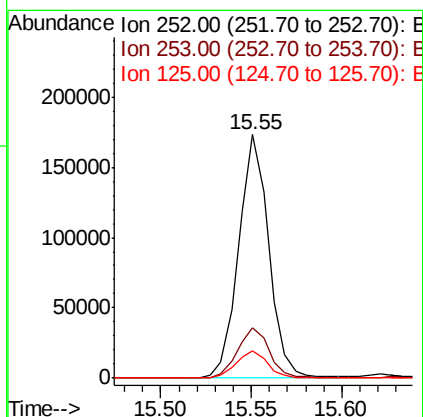
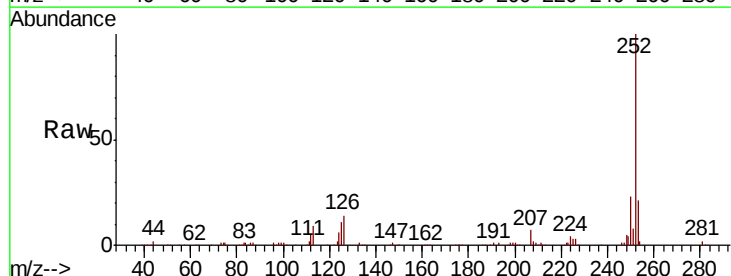
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

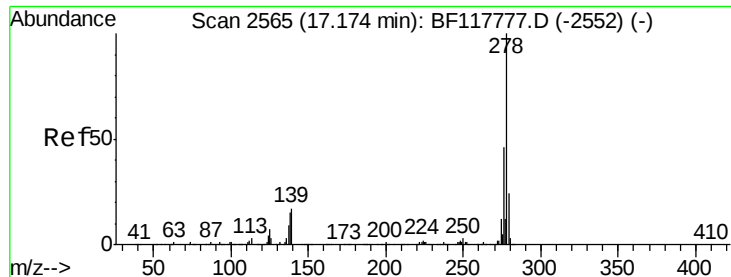
Tot Ion:252 Resp: 226042
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.2 7.9 11.9



#90
Benzo(a)pyrene
Concen: 4.747 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:252 Resp: 200350
Ion Ratio Lower Upper
252 100
253 20.7 17.8 26.6
125 11.0 9.2 13.8

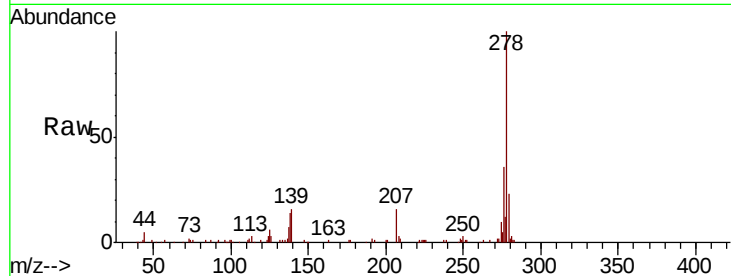




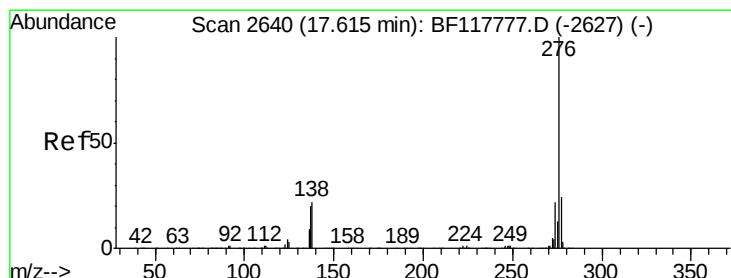
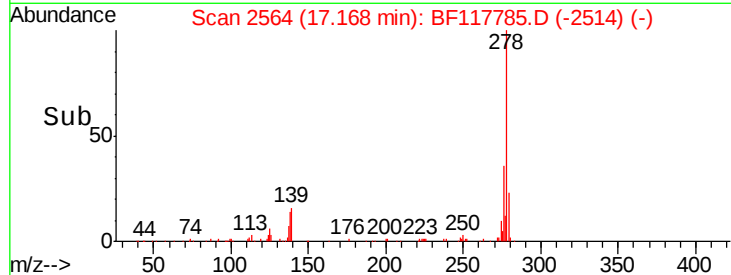
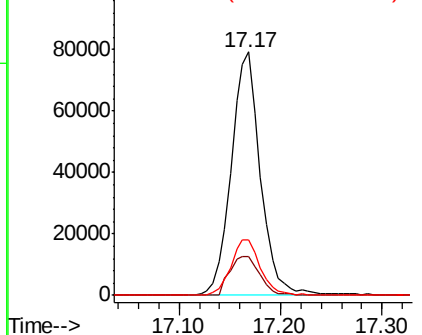
#91
Dibenzo(a,h)anthracene
Concen: 4.350 ng
RT: 17.17 min Scan# 2564
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:278 Resp: 158002
Ion Ratio Lower Upper
278 100
139 15.9 13.8 20.8
279 23.0 19.6 29.4

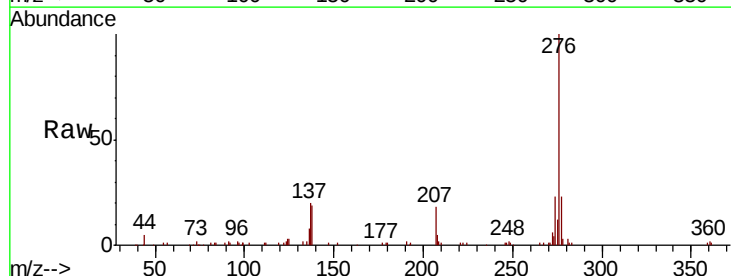


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

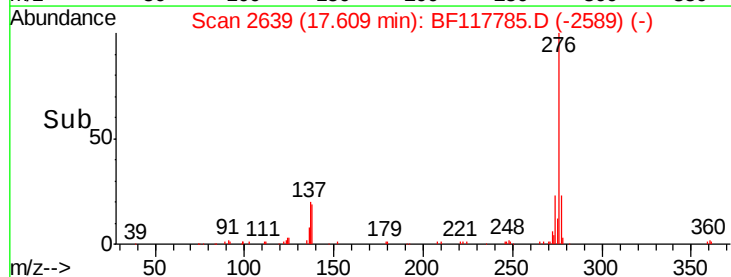
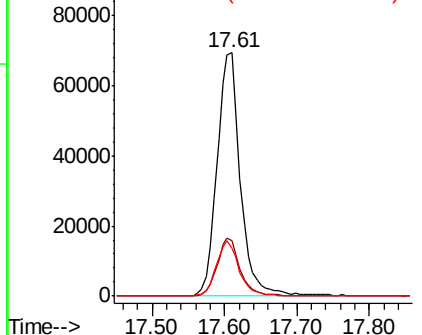


#92
Benzo(g,h,i)perylene
Concen: 4.288 ng
RT: 17.61 min Scan# 2639
Delta R.T. -0.01 min
Lab File: BF117785.D
Acq: 14 Nov 2019 9:47

Tgt Ion:276 Resp: 155127
Ion Ratio Lower Upper
276 100
277 23.0 18.9 28.3
138 19.5 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 : BF117785.D
 Acq On : 14 Nov 2019 9:47
 Operator : JU
 Sample : K5111-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Quant Time: Nov 14 10:44:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	251358	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	994877	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	535341	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	1029428	20.00	ng	0.00
76) Chrysene-d12	14.11	240	788173	20.00	ng	0.00
87) Perylene-d12	15.62	264	738710	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1910599	134.55	ng	0.00
7) Phenol-d6	6.55	99	2319180	135.41	ng	0.00
23) Nitrobenzene-d5	7.49	82	1701027	101.64	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	778243	137.31	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	3041391	101.92	ng	0.00
79) Terphenyl-d14	13.06	244	3529202	81.83	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	31394	4.730	ng	99
3) Pyridine	3.55	79	72356	4.156	ng	96
4) n-Nitrosodimethylamine	3.42	42	37551	4.941	ng	# 97
6) Aniline	6.59	93	130741	5.776	ng	97
8) 2-Chlorophenol	6.71	128	86944	5.643	ng	97
9) Benzaldehyde	6.47	77	71968	6.727	ng	96
10) Phenol	6.56	94	98860	5.555	ng	96
11) bis(2-Chloroethyl)ether	6.66	93	80740	5.649	ng	97
12) 1,3-Dichlorobenzene	6.86	146	98481	5.429	ng	98
13) 1,4-Dichlorobenzene	6.94	146	102328	5.581	ng	99
14) 1,2-Dichlorobenzene	7.10	146	94993	5.417	ng	97
15) Benzyl Alcohol	7.06	79	57125	4.320	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.20	45	115380	5.243	ng	99
17) 2-Methylphenol	7.16	107	73412	5.626	ng	98
18) Hexachloroethane	7.44	117	35000	5.196	ng	95
19) n-Nitroso-di-n-propylamine	7.33	70	59588	5.639	ng	95
20) 3+4-Methylphenols	7.32	107	95036	5.867	ng	97
22) Acetophenone	7.33	105	127450	5.702	ng	97
24) Nitrobenzene	7.50	77	97641	5.655	ng	99
25) Isophorone	7.74	82	167238	5.452	ng	96
26) 2-Nitrophenol	7.82	139	40963	4.875	ng	97
27) 2,4-Dimethylphenol	7.85	122	77662	5.947	ng	99
28) bis(2-Chloroethoxy)methane	7.95	93	102255	5.253	ng	97
29) 2,4-Dichlorophenol	8.06	162	73881	5.216	ng	99
30) 1,2,4-Trichlorobenzene	8.15	180	85761	5.220	ng	98
31) Naphthalene	8.23	128	273494	5.897	ng	97
32) Benzoic acid	7.90	122	22054	2.017	ng	96
33) 4-Chloroaniline	8.27	127	110123	5.304	ng	98
34) Hexachlorobutadiene	8.35	225	47608	4.956	ng	99
35) Caprolactam	8.60	113	22829	5.071	ng	94
36) 4-Chloro-3-methylphenol	8.75	107	76876	5.348	ng	97
37) 2-Methylnaphthalene	8.92	142	184911	5.901	ng	99
38) 1-Methylnaphthalene	9.03	142	173438	5.854	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.09	216	81299	5.229	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111419\
 Data File : BF117785.D
 Acq On : 14 Nov 2019 9:47
 Operator : JU
 Sample : K5111-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Quant Time: Nov 14 10:44:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.08	237	41960	4.816	nq	99
43) 2,4,6-Trichlorophenol	9.20	196	51585	4.632	nq	97
44) 2,4,5-Trichlorophenol	9.23	196	55901	4.835	nq	98
46) 1,1'-Biphenyl	9.39	154	234753	5.911	nq	96
47) 2-Chloronaphthalene	9.42	162	173838	5.320	nq	96
48) 2-Nitroaniline	9.50	65	44264	4.487	nq	96
49) Acenaphthylene	9.83	152	275992	5.794	nq	97
50) Dimethylphthalate	9.68	163	199443	5.313	nq	100
51) 2,6-Dinitrotoluene	9.75	165	40736	4.965	nq	90
52) Acenaphthene	10.00	154	171414	5.617	nq	97
53) 3-Nitroaniline	9.91	138	44408	4.523	nq	95
54) 2,4-Dinitrophenol	10.02	184	10336	2.838	nq	# 84
55) Dibenzofuran	10.17	168	247430	5.855	nq	96
56) 4-Nitrophenol	10.06	139	35563	4.853	nq	99
57) 2,4-Dinitrotoluene	10.15	165	51189	4.905	nq	94
58) Fluorene	10.52	166	193117	5.897	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.29	232	48756	5.132	nq	99
60) Diethylphthalate	10.39	149	197278	5.390	nq	98
61) 4-Chlorophenyl-phenylether	10.52	204	95245	5.731	nq	95
62) 4-Nitroaniline	10.52	138	45584	4.637	nq	95
63) Azobenzene	10.67	77	187585	5.634	nq	98
65) 4,6-Dinitro-2-methylphenol	10.56	198	17598	3.662	nq	87
66) n-Nitrosodiphenylamine	10.63	169	167401	5.588	nq	99
67) 4-Bromophenyl-phenylether	11.00	248	58704	5.285	nq	96
68) Hexachlorobenzene	11.07	284	67895	5.242	nq	# 91
69) Atrazine	11.15	200	47803	4.851	nq	98
70) Pentachlorophenol	11.26	266	32516	4.297	nq	100
71) Phenanthrene	11.49	178	300244	5.801	nq	96
72) Anthracene	11.54	178	306455	5.972	nq	97
73) Carbazole	11.69	167	266444	5.942	nq	97
74) Di-n-butylphthalate	12.02	149	304800	5.459	nq	99
75) Fluoranthene	12.68	202	306404	6.120	nq	99
77) Benzidine	12.80	184	131710	5.102	nq	98
78) Pyrene	12.91	202	313261	4.918	nq	98
80) Butylbenzylphthalate	13.53	149	114213	4.175	nq	94
81) Benzo(a)anthracene	14.10	228	275251	5.285	nq	98
82) 3,3'-Dichlorobenzidine	14.06	252	96647	5.305	nq	98
83) Chrysene	14.14	228	263853	5.228	nq	96
84) Bis(2-ethylhexyl)phthalate	14.09	149	159085	4.796	nq	98
85) Di-n-octyl phthalate	14.71	149	235646	4.836	nq	99
86) Indeno(1,2,3-cd)pyrene	17.14	276	189069	4.402	nq	99
88) Benzo(b)fluoranthene	15.17	252	241860	5.039	nq	100
89) Benzo(k)fluoranthene	15.20	252	226042	4.999	nq	98
90) Benzo(a)pyrene	15.55	252	200350	4.747	nq	98
91) Dibenzo(a,h)anthracene	17.17	278	158002	4.350	nq	97
92) Benzo(g,h,i)perylene	17.61	276	155127	4.288	nq	97

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