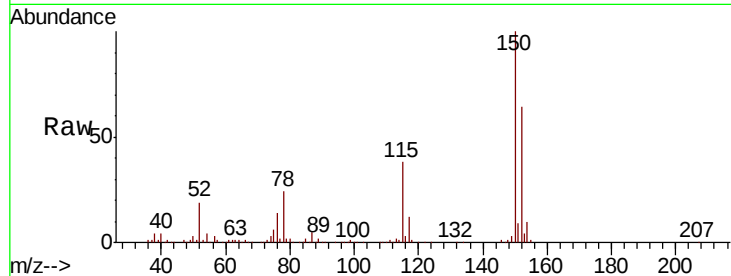


#1

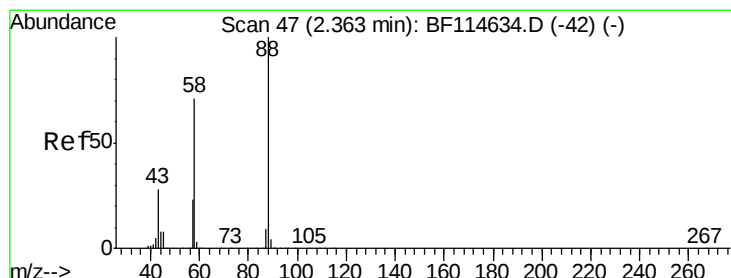
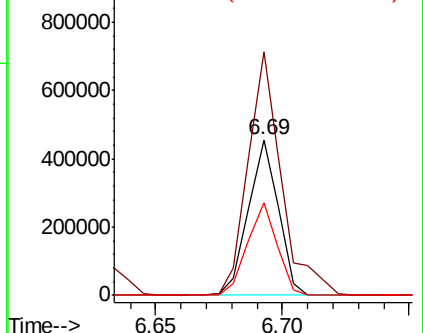
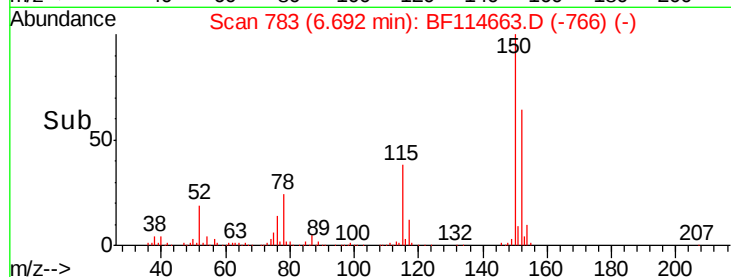
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:152 Resp: 375304
Ion Ratio Lower Upper
152 100
150 156.7 124.4 186.6
115 59.9 48.7 73.1



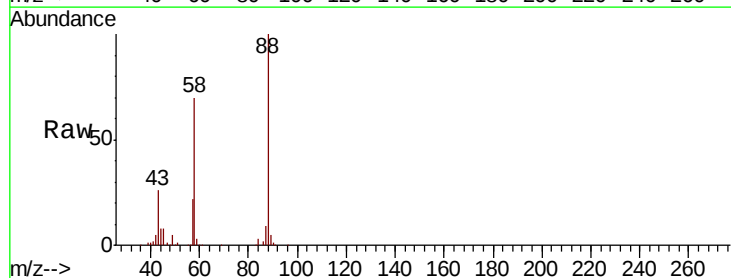
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



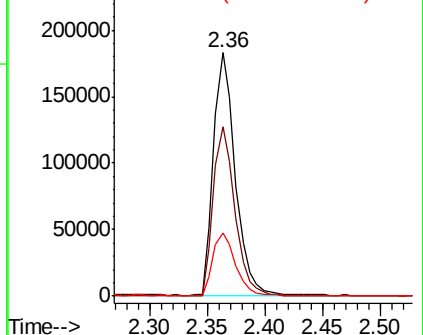
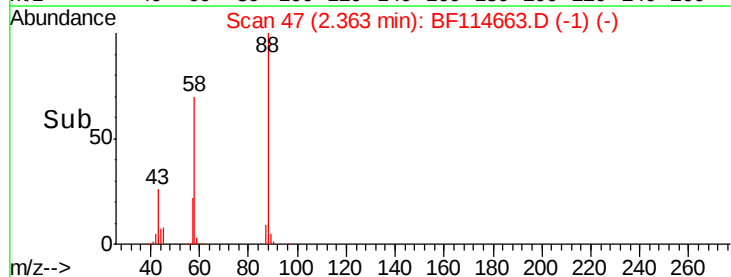
#2

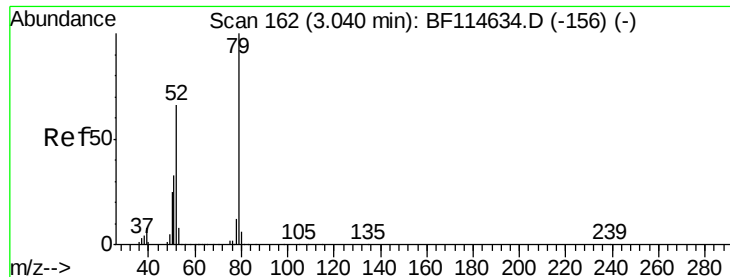
1,4-Dioxane
Concen: 23.215 ng
RT: 2.36 min Scan# 47
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion: 88 Resp: 238142
Ion Ratio Lower Upper
88 100
58 70.0 57.2 85.8
43 26.4 22.6 33.8



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: 20.079 ng

RT: 3.05 min Scan# 164

Delta R.T. 0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

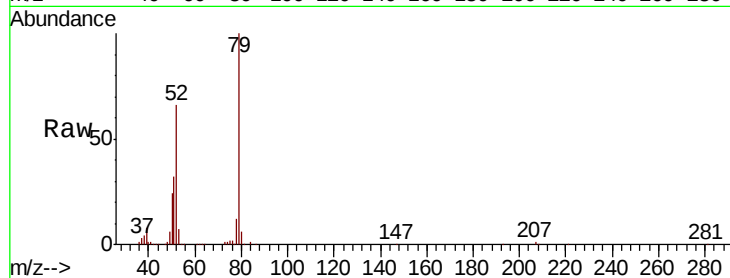
Tot Ion: 79 Resp: 599428

Ion Ratio Lower Upper

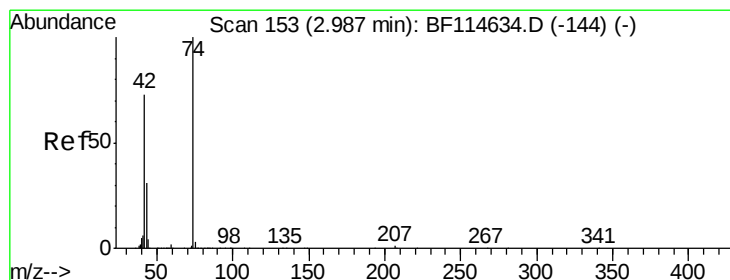
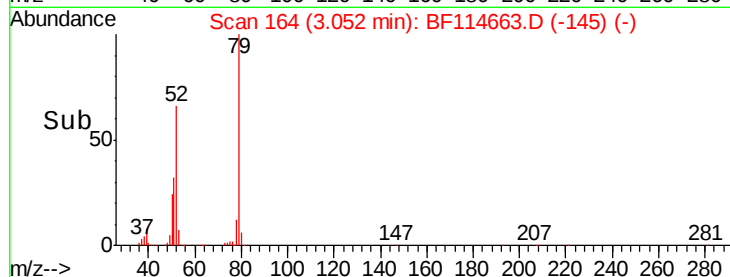
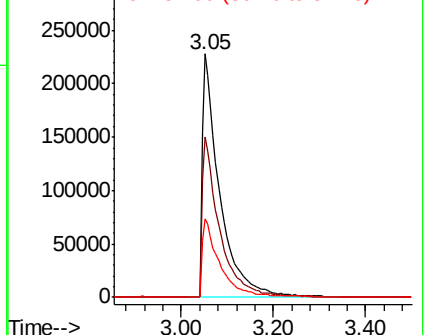
79 100

52 65.8 52.8 79.2

51 32.3 26.3 39.5



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



#4

n-Nitrosodimethylamine

Concen: 19.127 ng

RT: 2.98 min Scan# 151

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

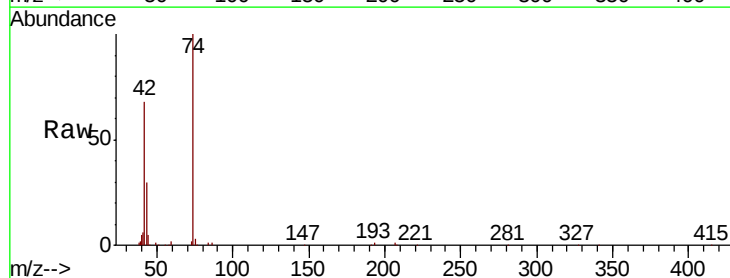
Tgt Ion: 42 Resp: 231079

Ion Ratio Lower Upper

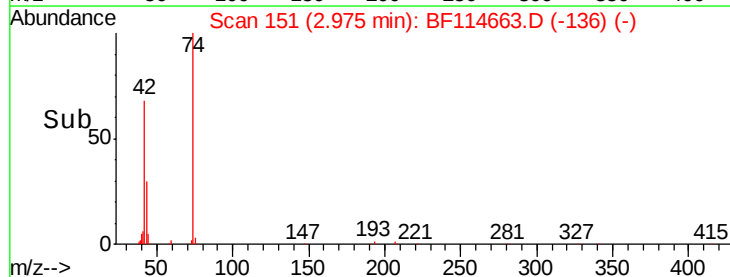
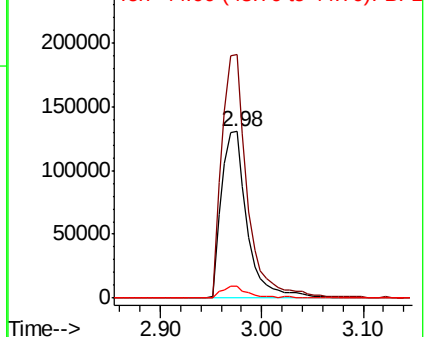
42 100

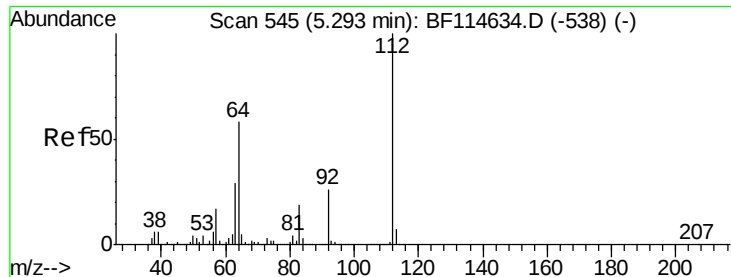
74 146.2 110.0 165.0

44 7.2 5.6 8.4



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: 92.434 ng

RT: 5.29 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

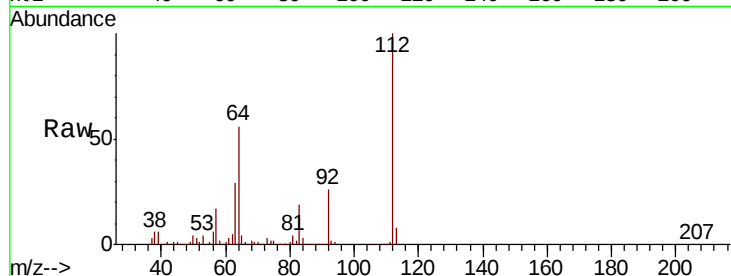
Tot Ion:112 Resp: 1975899

Ion Ratio Lower Upper

112 100

64 55.9 46.1 69.1

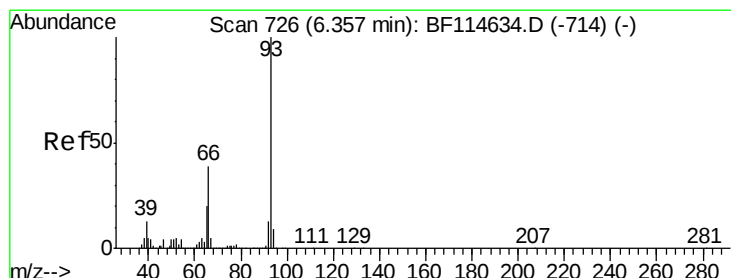
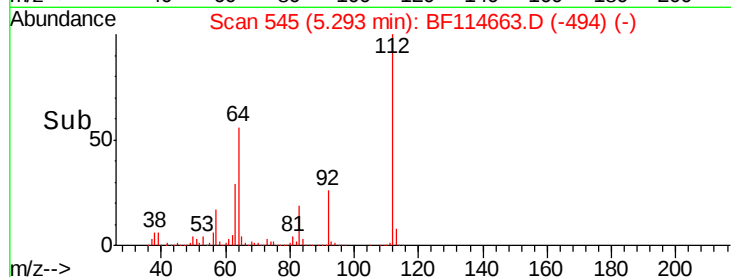
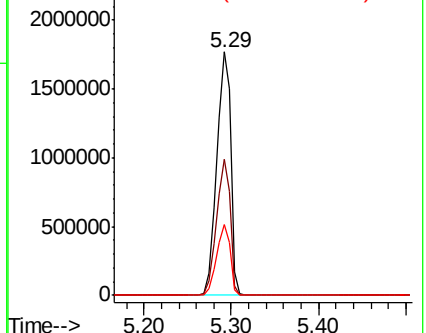
63 29.1 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 20.819 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

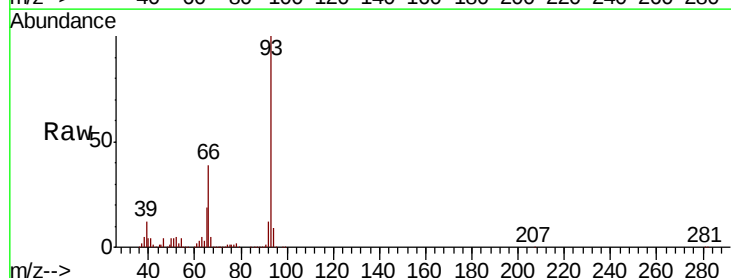
Tgt Ion: 93 Resp: 810068

Ion Ratio Lower Upper

93 100

66 38.9 31.4 47.2

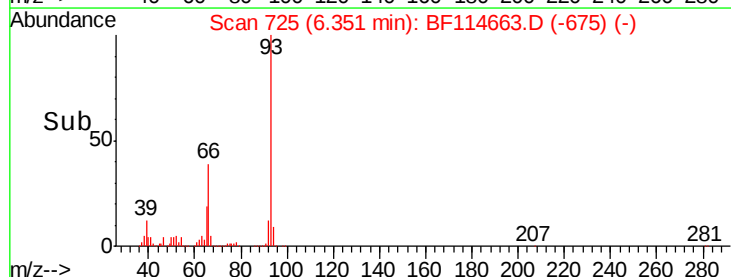
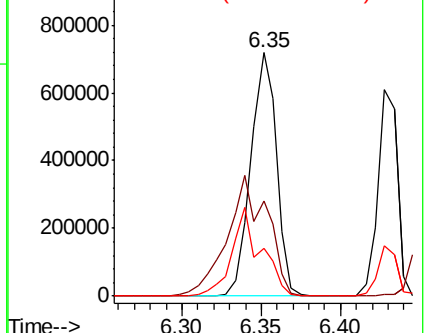
65 19.4 16.2 24.2

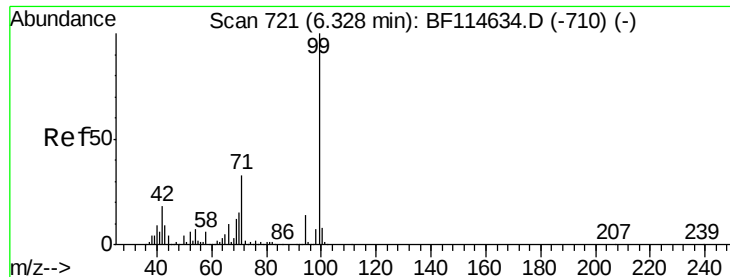


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 92.235 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

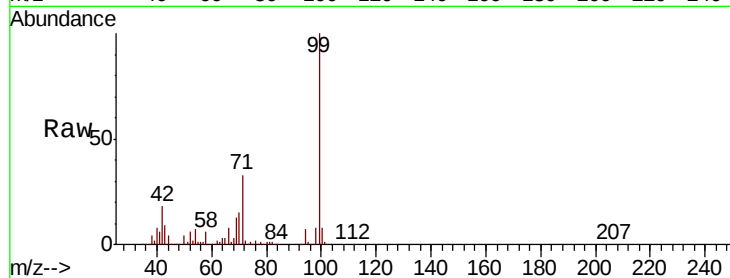
Tot Ion: 99 Resp: 2375888

Ion Ratio Lower Upper

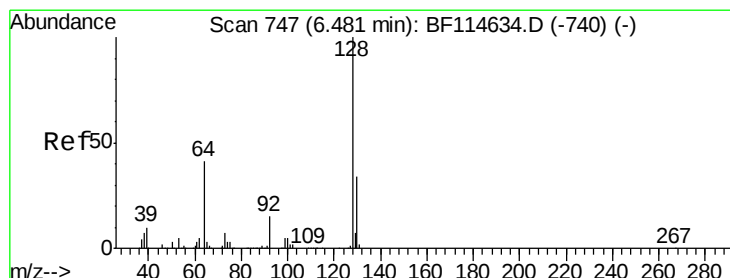
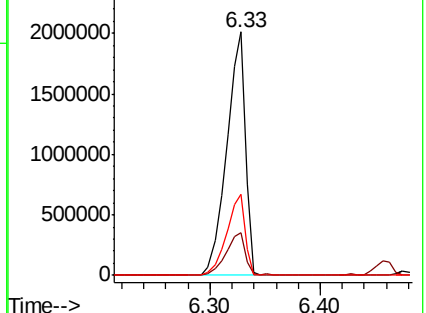
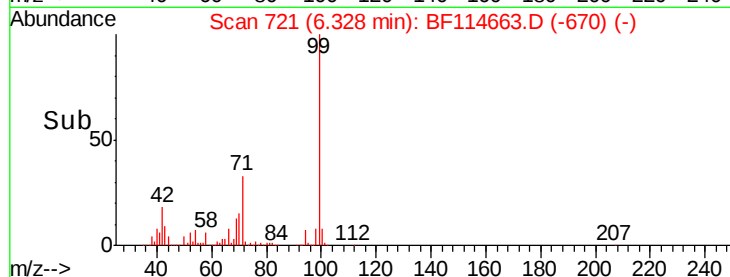
99 100

42 17.6 14.7 22.1

71 33.2 26.6 40.0



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: 22.495 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

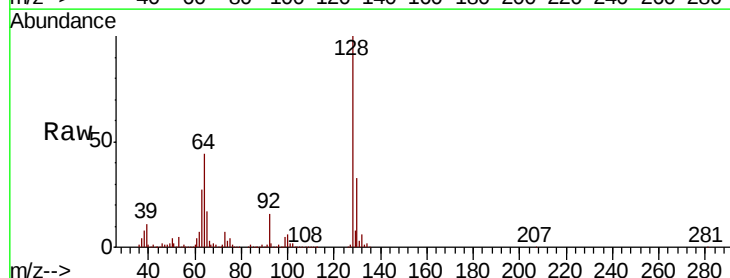
Tgt Ion: 128 Resp: 555318

Ion Ratio Lower Upper

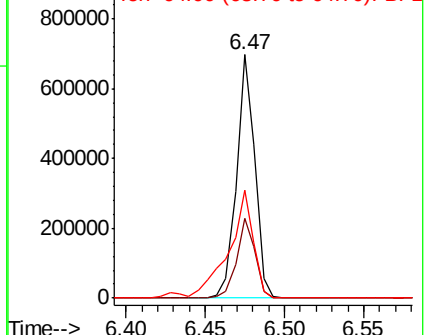
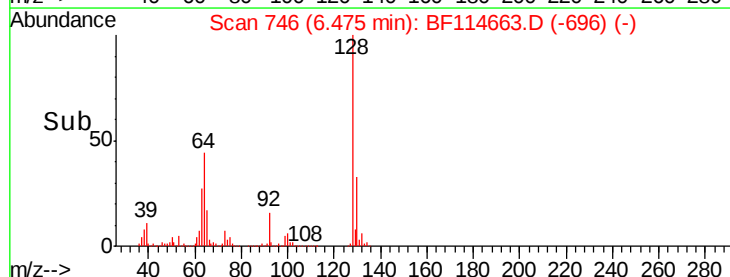
128 100

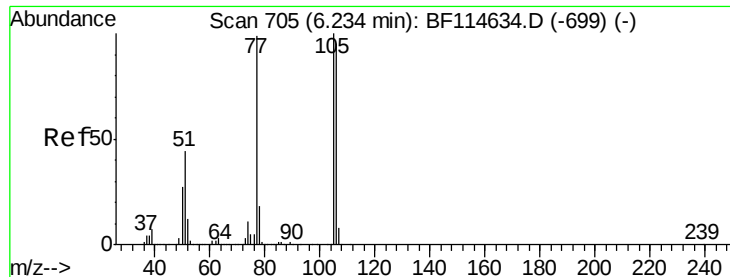
130 32.7 13.9 53.9

64 44.1 22.0 62.0



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





#9

Benzaldehyde

Concen: 31.747 ng

RT: 6.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

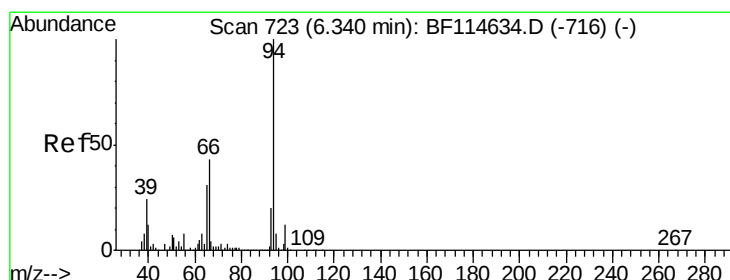
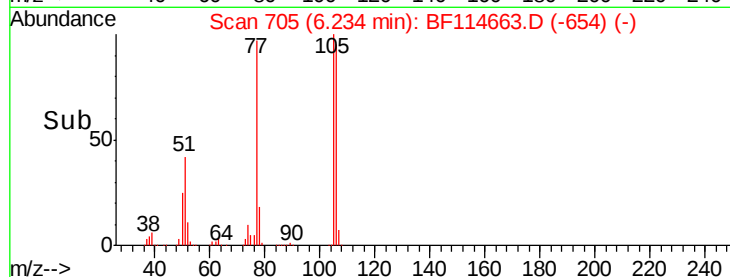
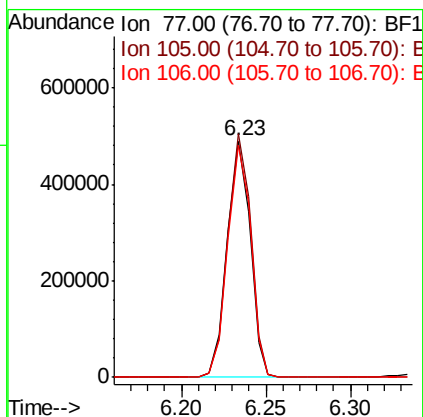
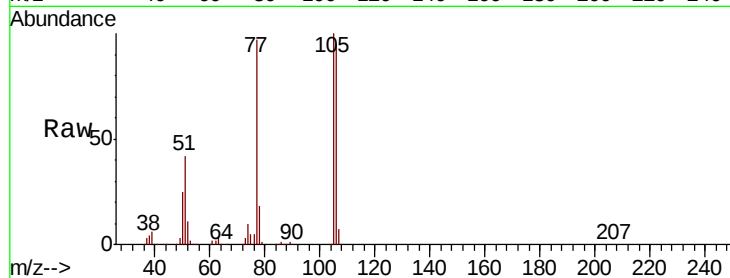
Tot Ion: 77 Resp: 466605

Ion Ratio Lower Upper

77 100

105 102.9 80.8 120.8

106 98.1 76.2 116.2



#10

Phenol

Concen: 22.131 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

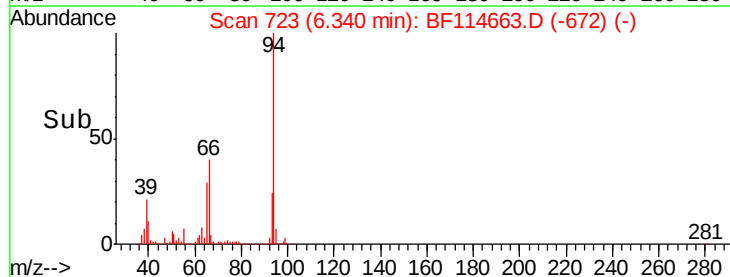
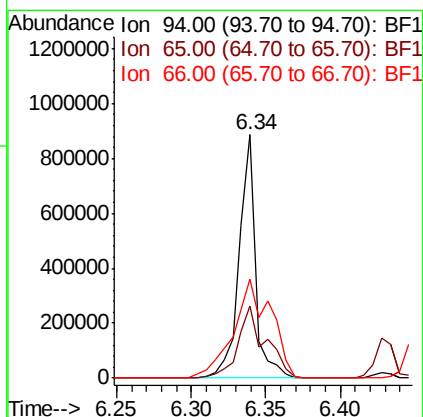
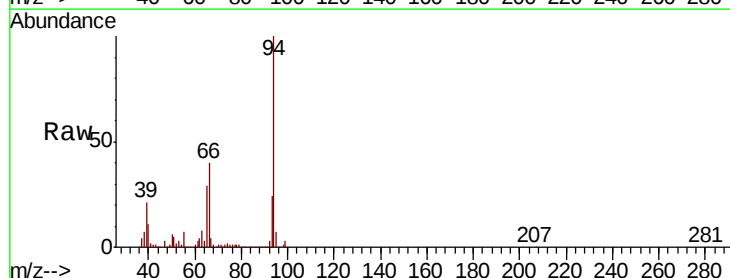
Tgt Ion: 94 Resp: 688654

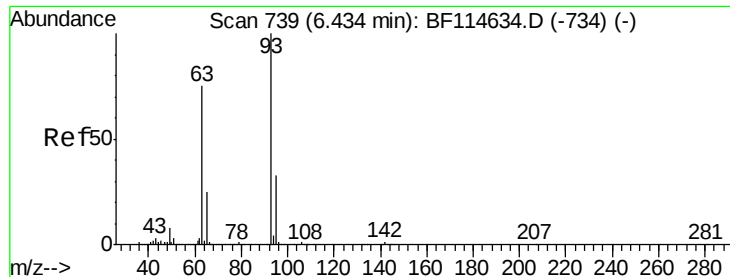
Ion Ratio Lower Upper

94 100

65 29.4 11.0 51.0

66 40.4 23.0 63.0

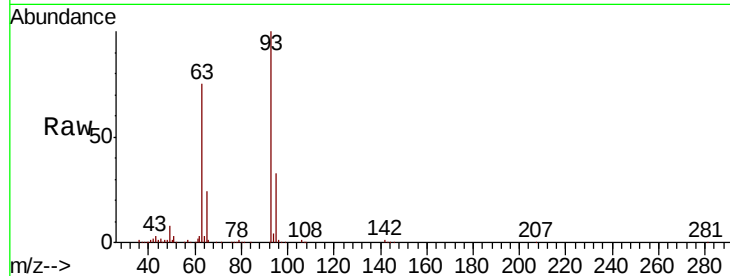




#11
bis(2-Chloroethyl)ether
Concen: 21.635 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.1	55.0	95.0
95	32.6	13.5	53.5

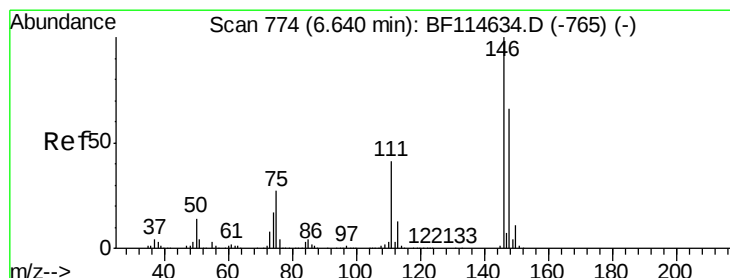
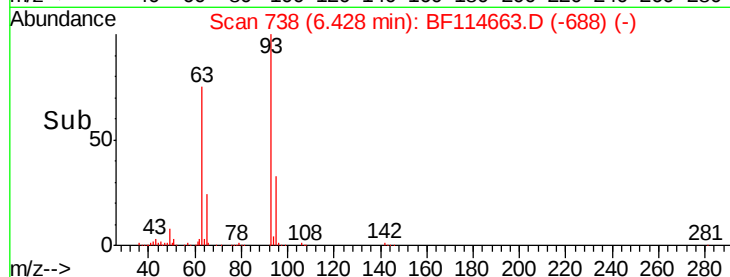
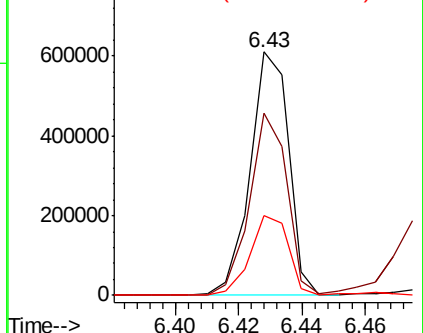


Abundance

Ion 93.00 (92.70 to 93.70): BF1

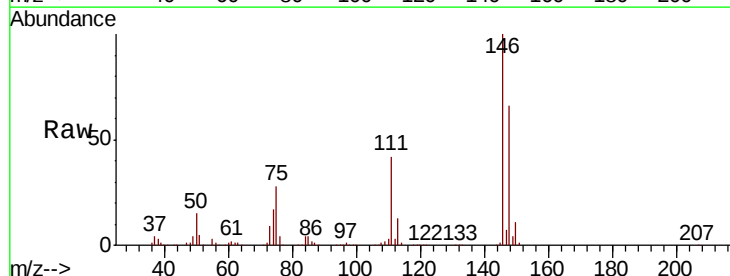
Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12
1,3-Dichlorobenzene
Concen: 22.031 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.9	79.3
75	28.4	22.0	33.0

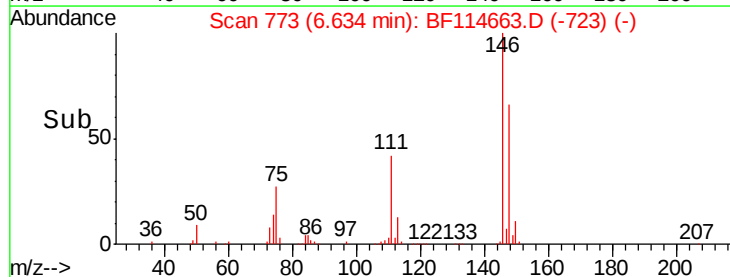
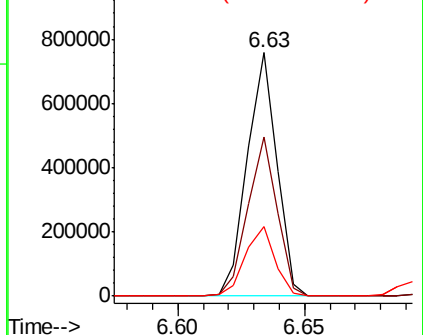


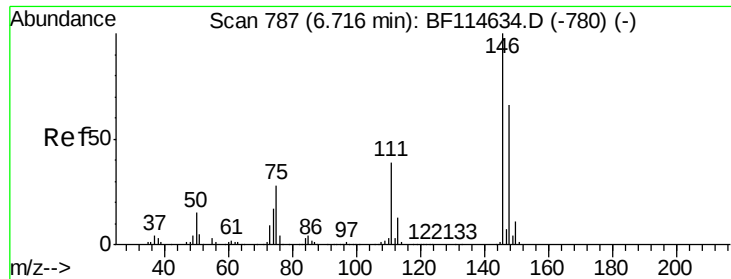
Abundance

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

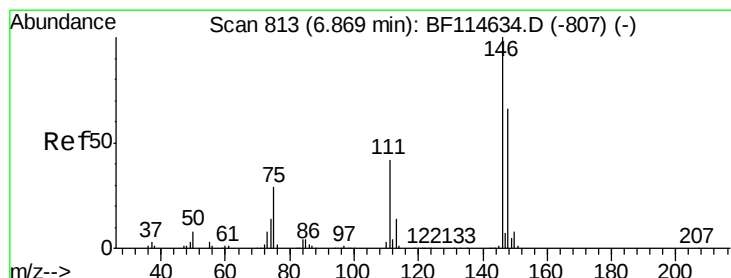
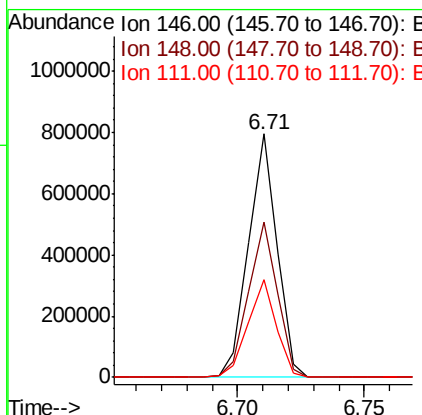
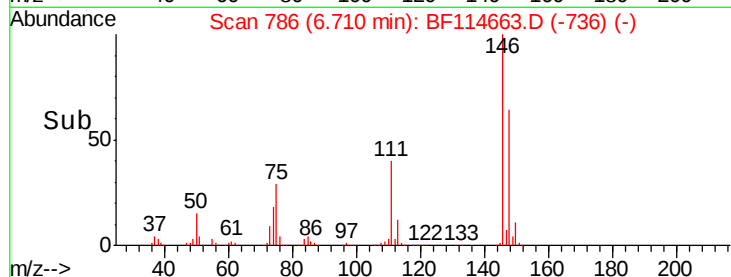
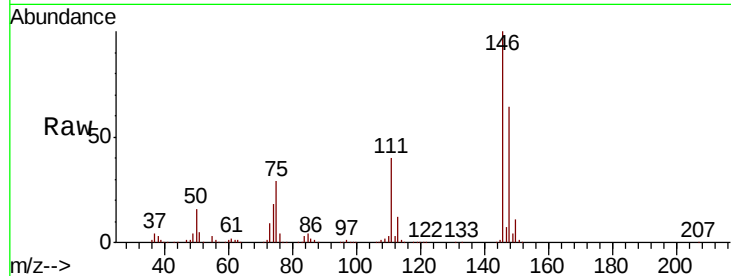




#13
 1,4-Dichlorobenzene
 Concen: 22.132 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

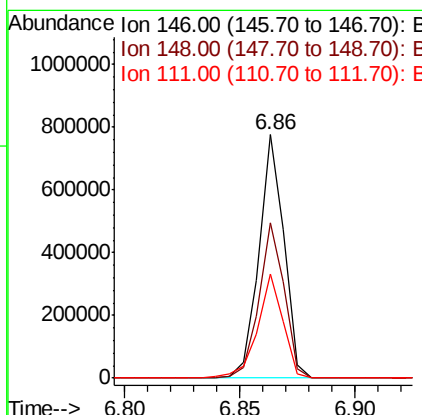
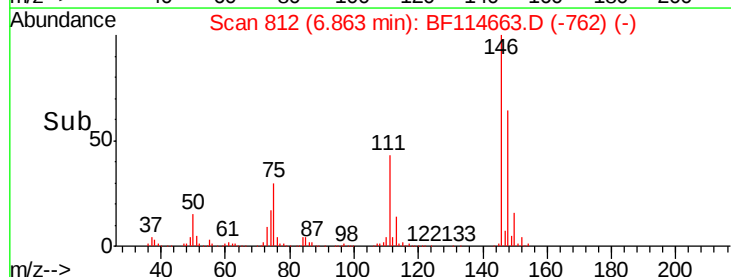
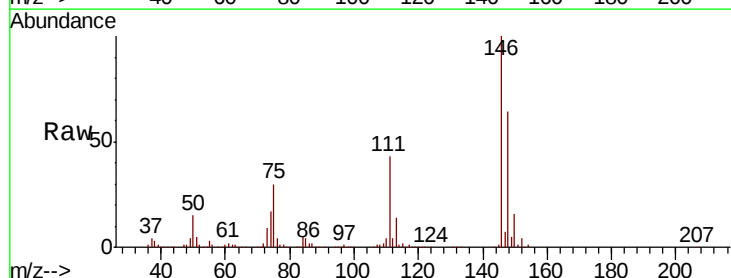
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

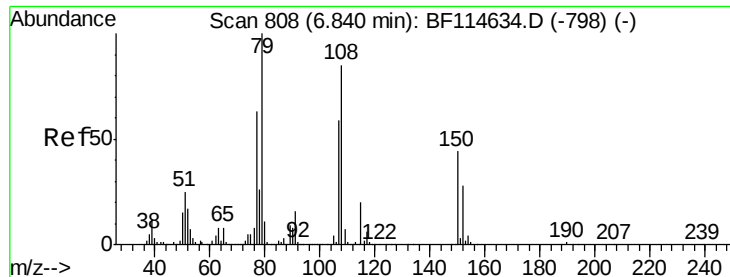
Tot Ion:146 Resp: 624473
 Ion Ratio Lower Upper
 146 100
 148 63.9 52.5 78.7
 111 40.0 31.4 47.2



#14
 1,2-Dichlorobenzene
 Concen: 22.852 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Tgt Ion:146 Resp: 587020
 Ion Ratio Lower Upper
 146 100
 148 64.0 52.6 79.0
 111 42.8 34.1 51.1





#15

Benzyl Alcohol

Concen: 22.333 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

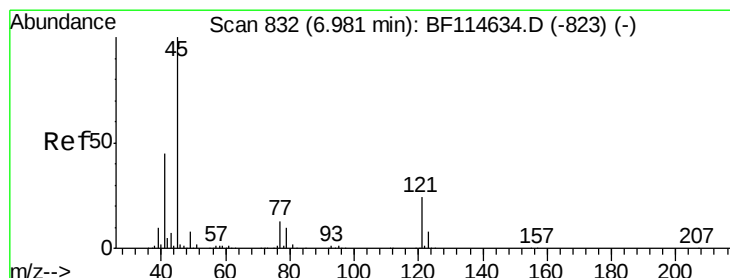
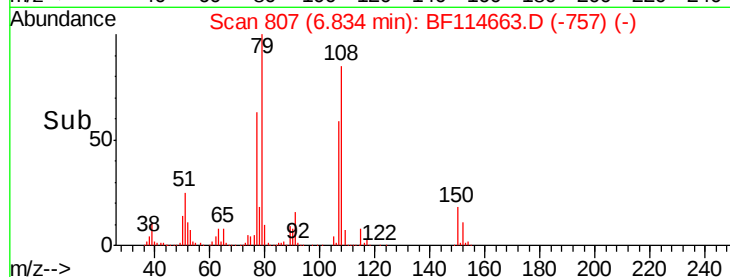
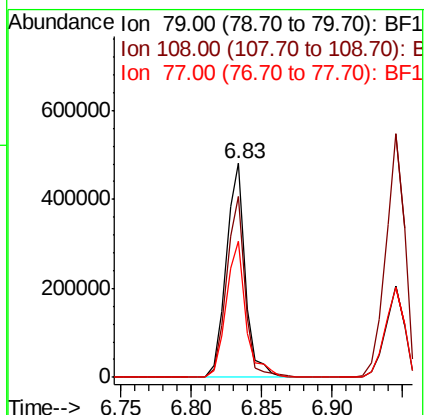
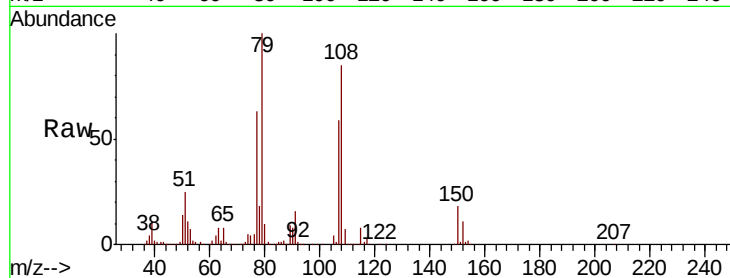
Tot Ion: 79 Resp: 452521

Ion Ratio Lower Upper

79 100

108 84.7 67.8 101.8

77 63.4 50.7 76.1



#16

2,2'-oxybis(1-chloropropane)

Concen: 20.151 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

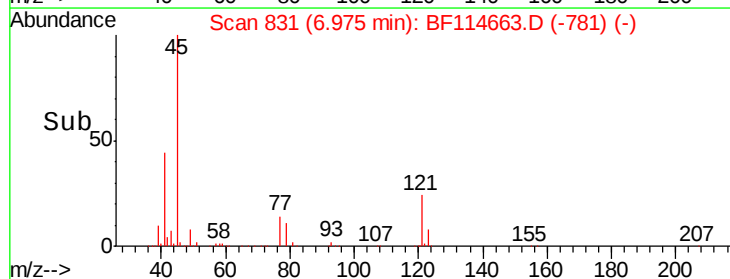
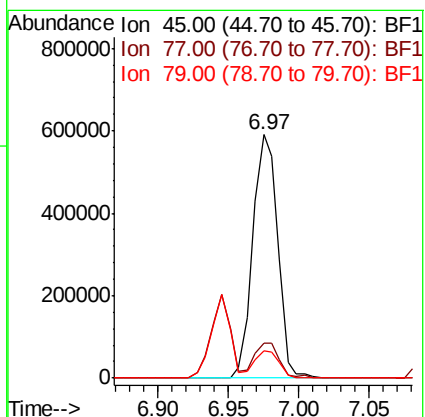
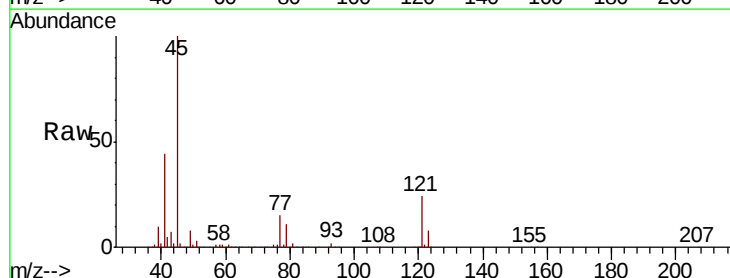
Tgt Ion: 45 Resp: 735665

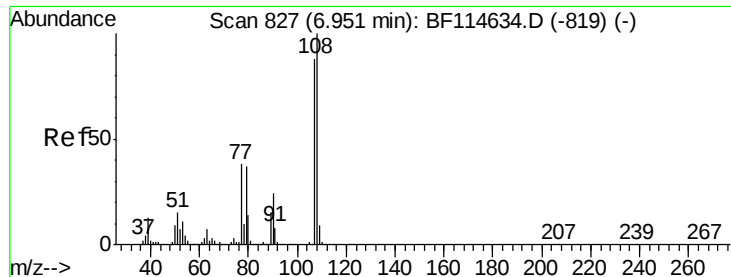
Ion Ratio Lower Upper

45 100

77 14.6 0.0 34.7

79 11.0 0.0 31.3





#17

2-Methylphenol

Concen: 21.203 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:107 Resp: 442711

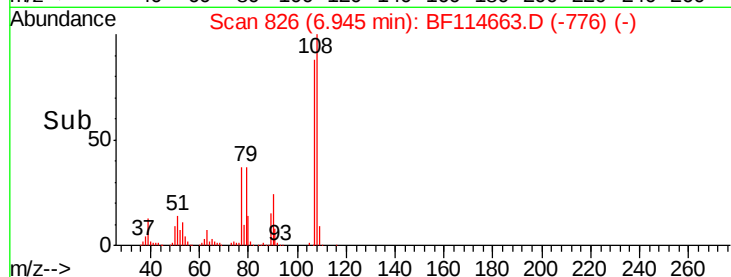
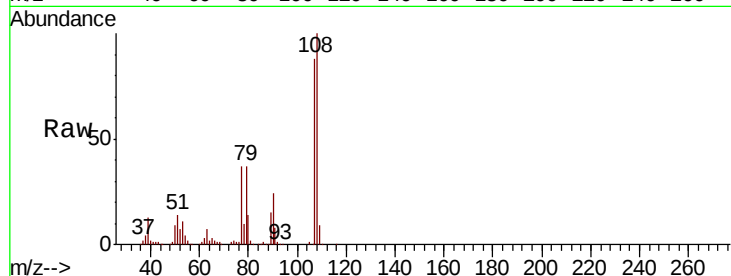
Ion Ratio Lower Upper

107 100

108 113.4 91.1 136.7

77 42.1 34.9 52.3

79 42.2 33.8 50.6

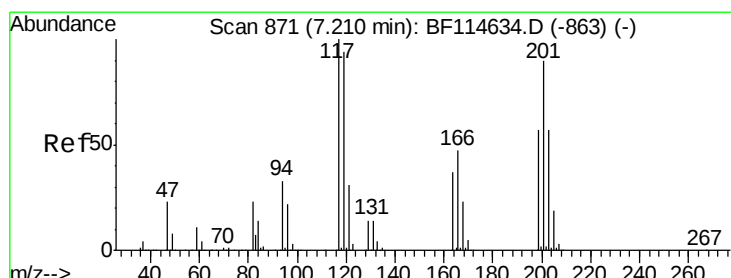
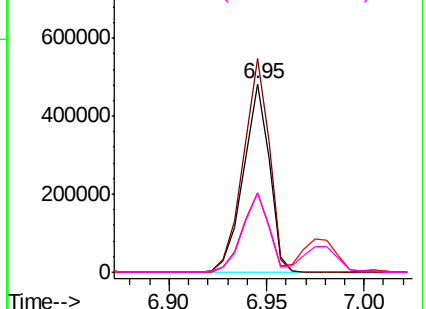


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 20.713 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

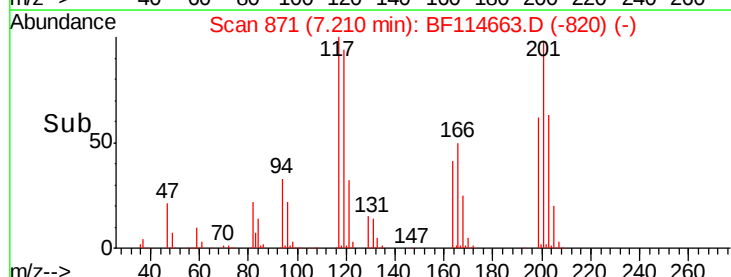
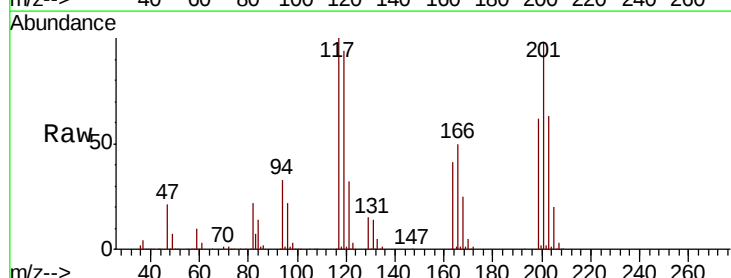
Tgt Ion:117 Resp: 221275

Ion Ratio Lower Upper

117 100

119 94.0 75.6 113.4

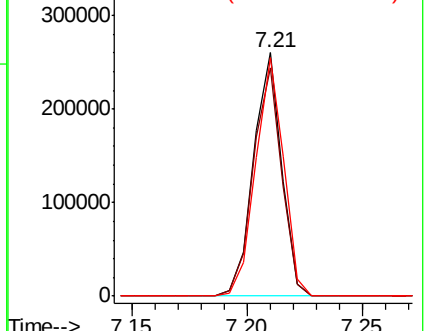
201 97.9 71.7 107.5

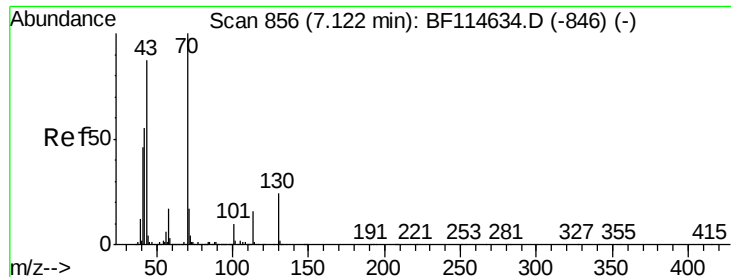


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

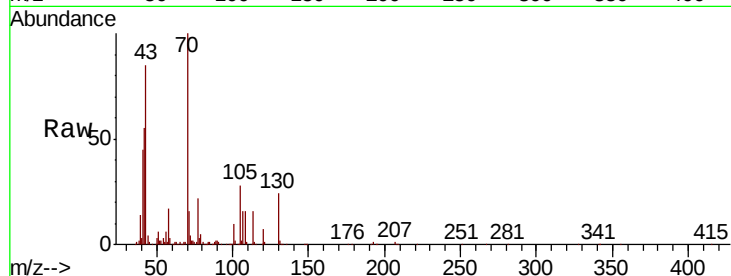




#19
n-Nitroso-di-n-propylamine
Concen: 20.622 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:	70	Resp:	366672
Ion	Ratio	Lower	Upper
70	100		
42	55.2	44.4	66.6
101	10.0	8.2	12.4
130	24.1	19.4	29.0



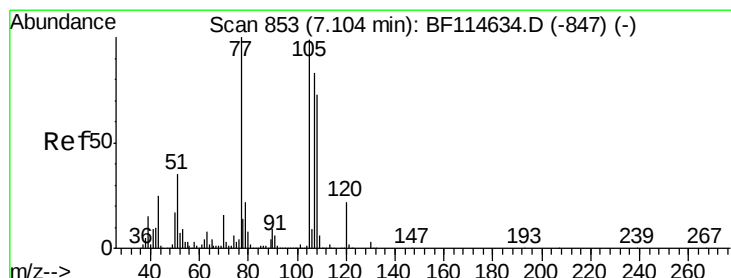
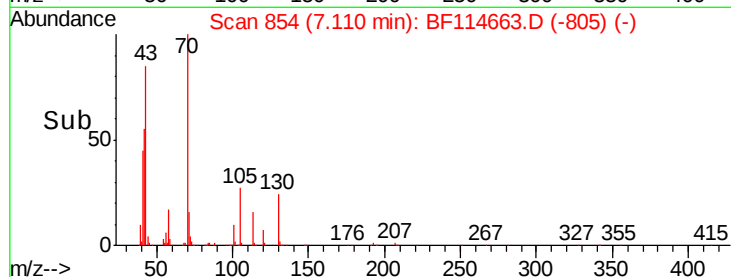
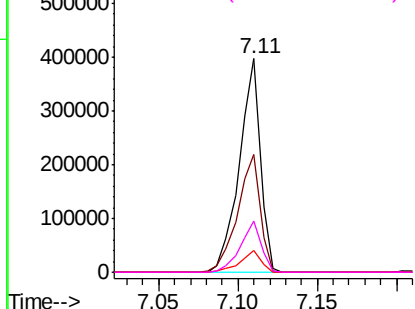
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

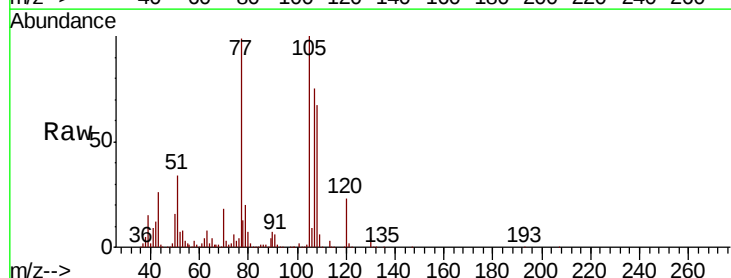
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 22.240 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:	107	Resp:	546154
Ion	Ratio	Lower	Upper
107	100		
108	89.5	68.6	108.6
77	131.5	100.5	140.5
79	26.7	7.0	47.0



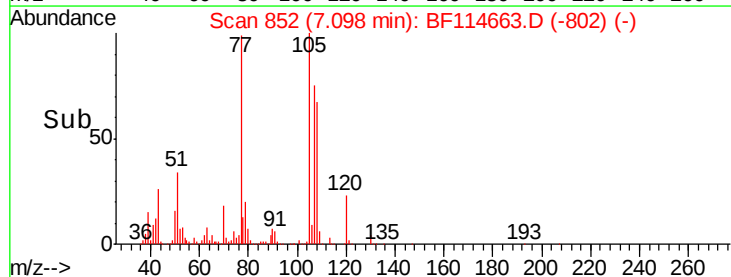
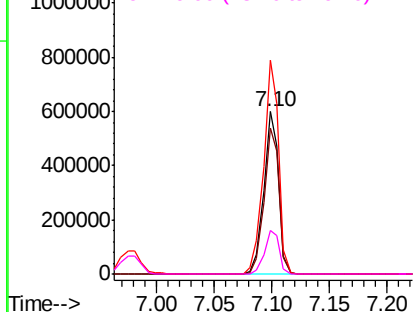
Abundance

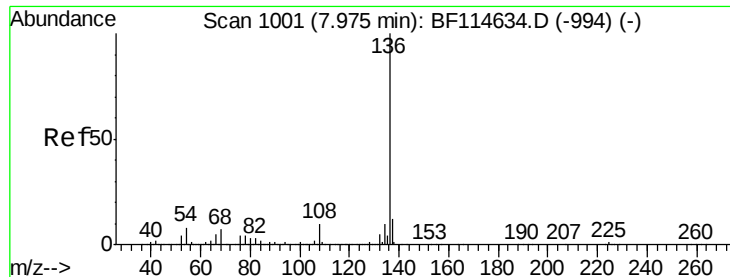
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:136 Resp: 1433973

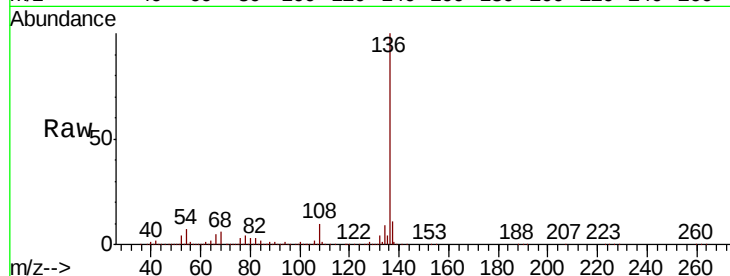
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 7.2 6.3 9.5

68 6.0 5.4 8.0

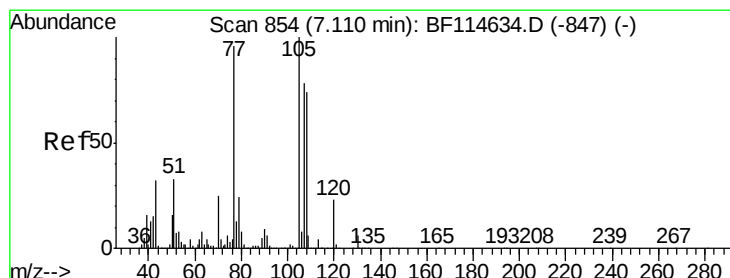
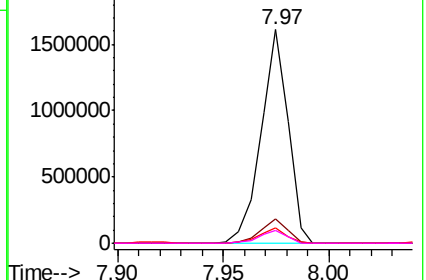
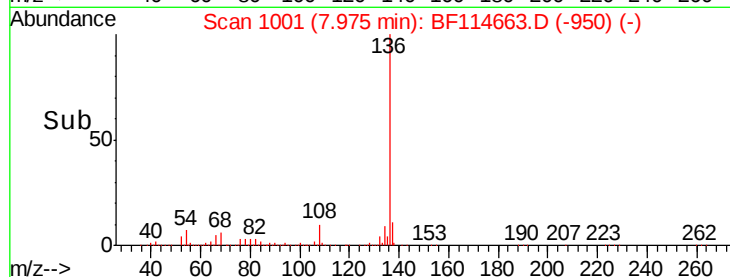


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.071 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Tgt Ion:105 Resp: 766001

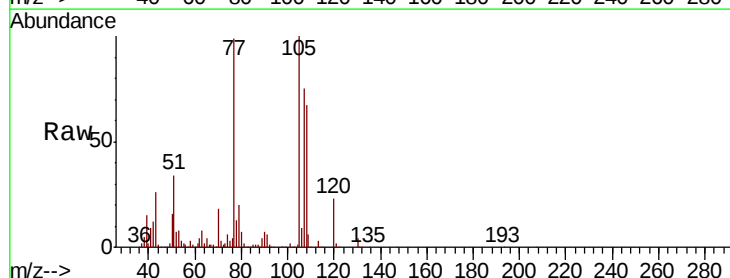
Ion Ratio Lower Upper

105 100

71 2.9 3.6 5.4#

51 34.0 26.0 39.0

120 23.5 18.8 28.2

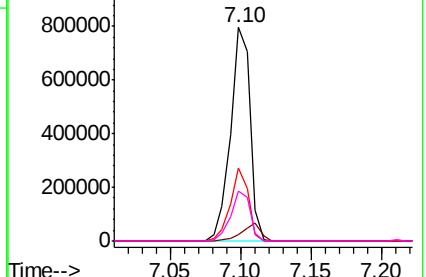
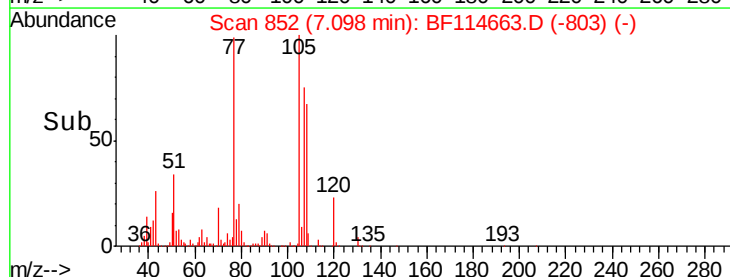


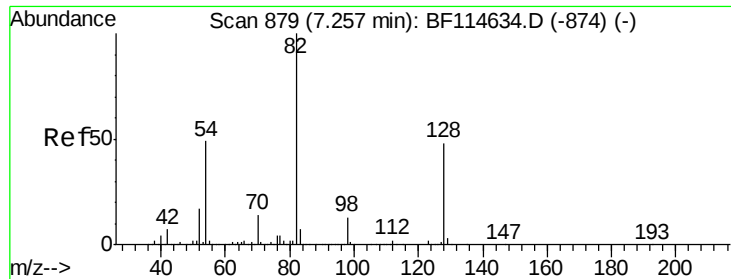
Abundance Ion 105.00 (104.70 to 105.70): E

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

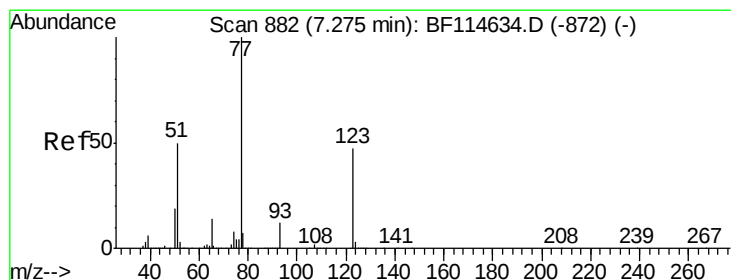
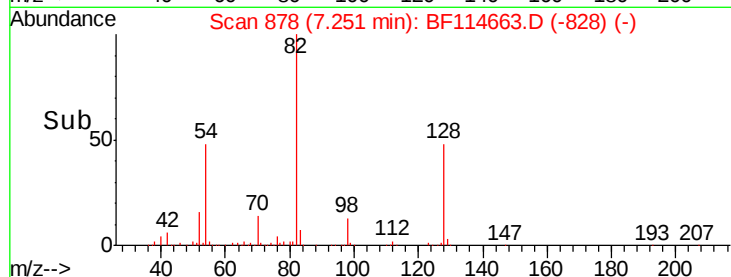
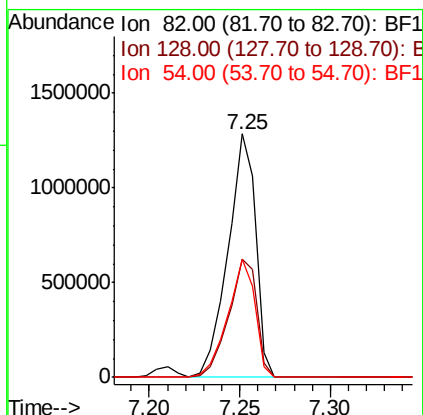
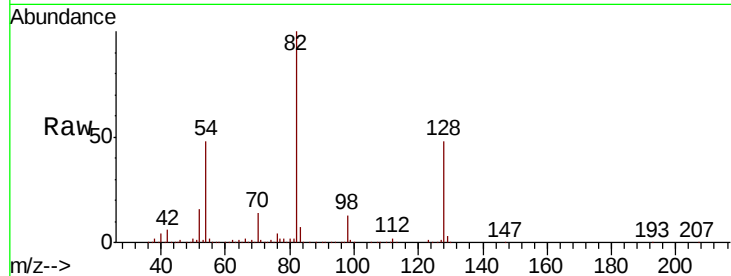




#23
 Nitrobenzene-d5
 Concen: 59.259 ng
 RT: 7.25 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

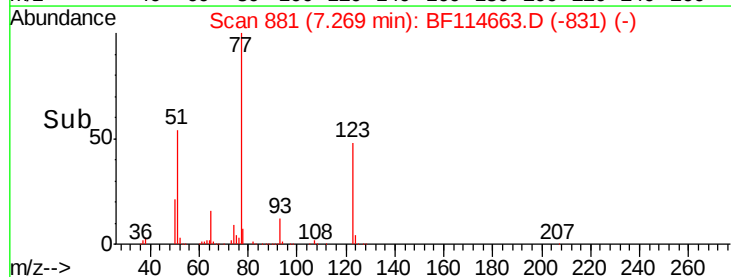
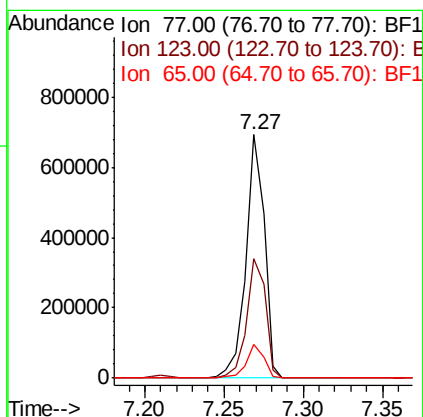
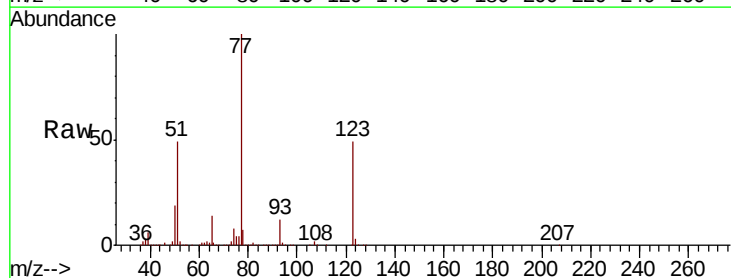
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

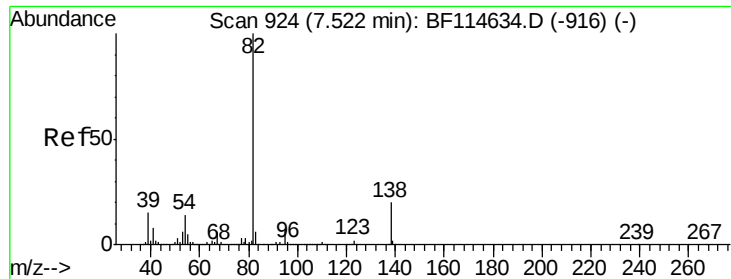
Tot Ion: 82 Resp: 1362040
 Ion Ratio Lower Upper
 82 100
 128 48.4 38.5 57.7
 54 48.4 39.1 58.7



#24
 Nitrobenzene
 Concen: 22.750 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Tgt Ion: 77 Resp: 555454
 Ion Ratio Lower Upper
 77 100
 123 48.8 38.5 57.7
 65 13.7 11.2 16.8





#25

Isophorone

Concen: 21.648 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

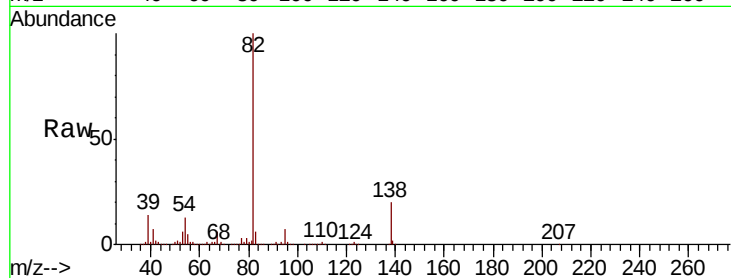
Tot Ion: 82 Resp: 998533

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

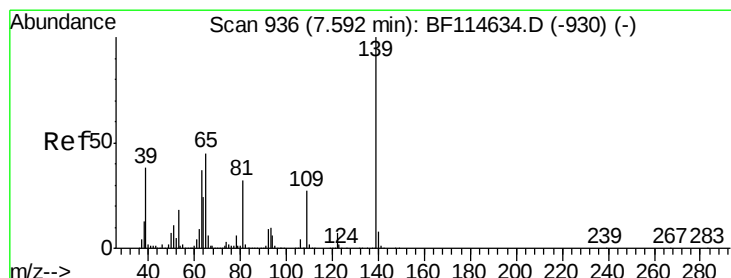
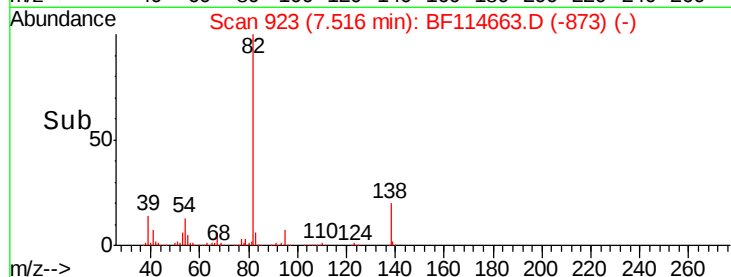
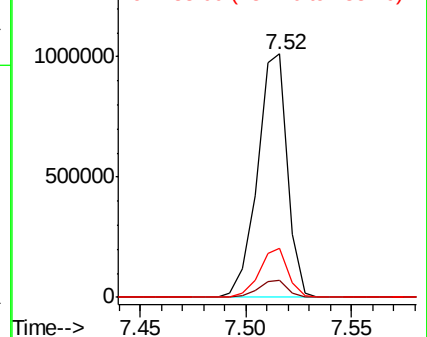
138 20.3 15.9 23.9



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: 22.215 ng

RT: 7.59 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

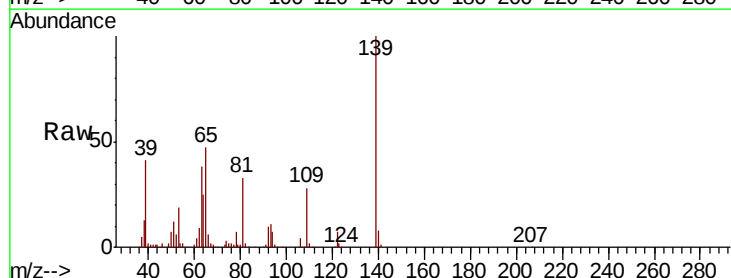
Tgt Ion: 139 Resp: 264021

Ion Ratio Lower Upper

139 100

109 27.7 21.7 32.5

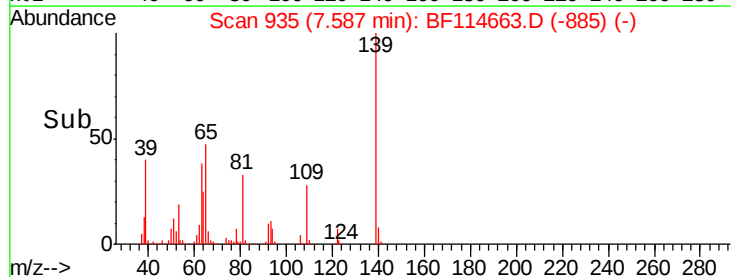
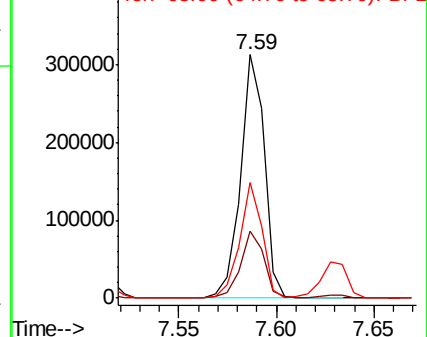
65 47.4 36.3 54.5

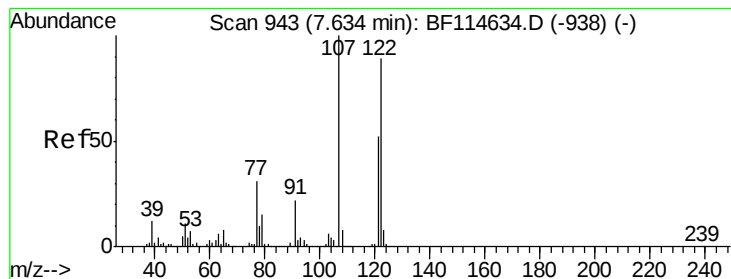


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 25.159 ng

RT: 7.63 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

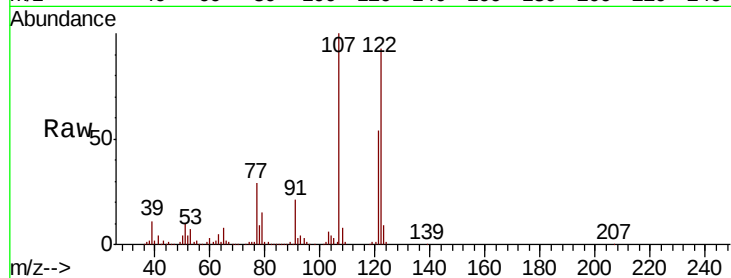
Tot Ion:122 Resp: 497274

Ion Ratio Lower Upper

122 100

107 107.1 89.3 133.9

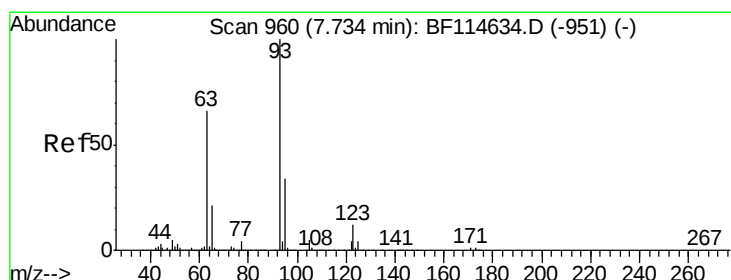
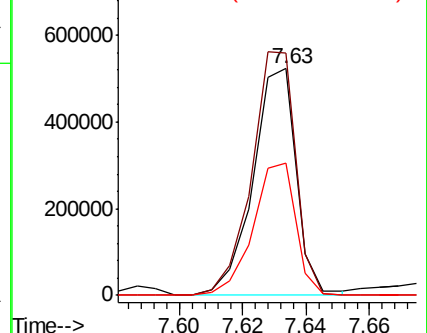
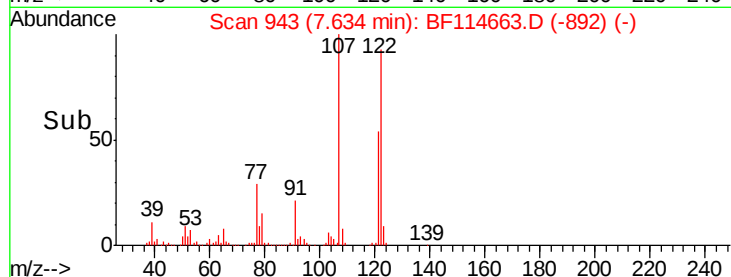
121 58.2 46.8 70.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 21.934 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

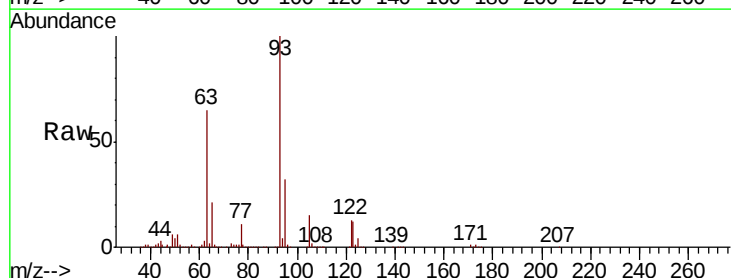
Tgt Ion: 93 Resp: 644060

Ion Ratio Lower Upper

93 100

95 32.1 27.0 40.4

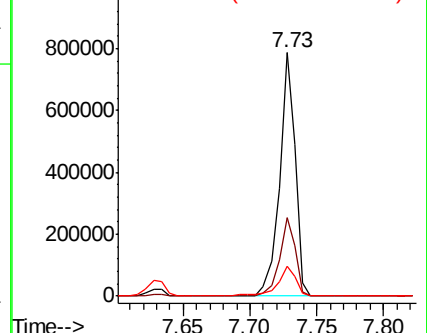
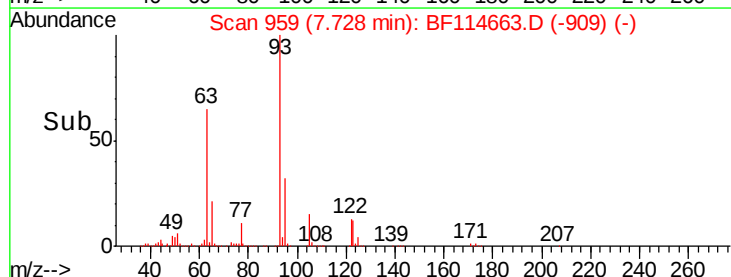
123 12.4 10.2 15.2

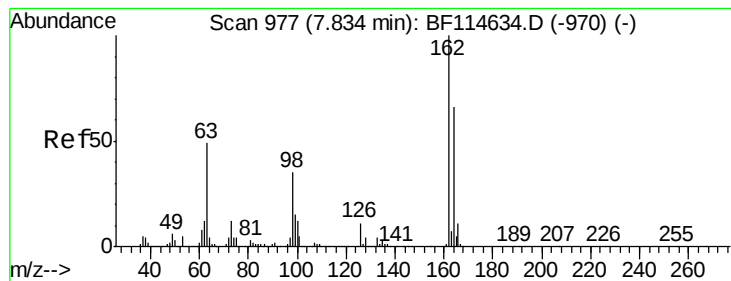


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 22.978 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

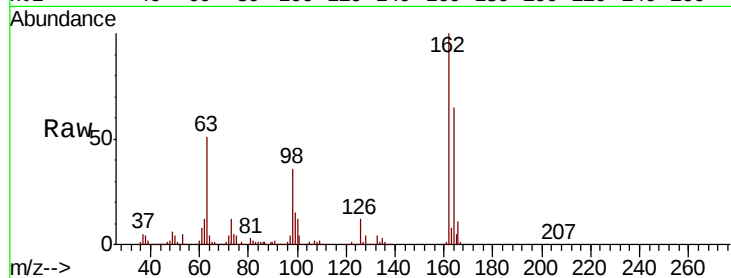
Tot Ion:162 Resp: 462278

Ion Ratio Lower Upper

162 100

164 65.4 45.8 85.8

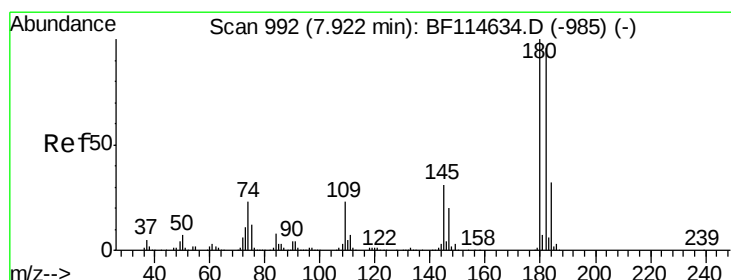
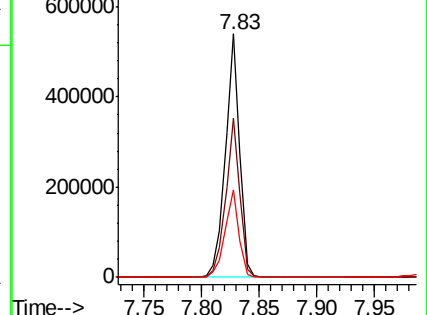
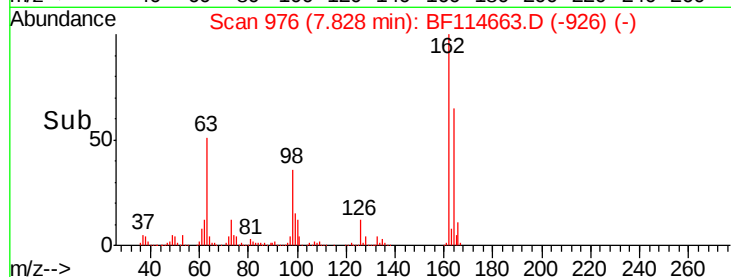
98 35.7 14.9 54.9



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 22.843 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

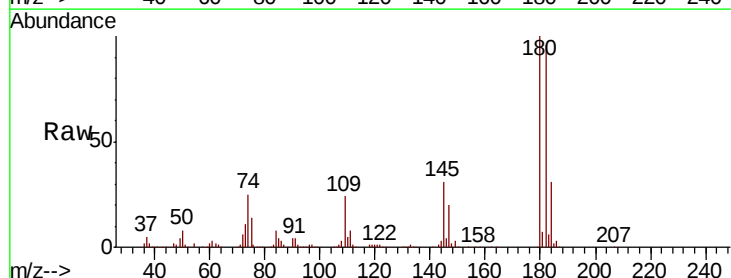
Tgt Ion:180 Resp: 523579

Ion Ratio Lower Upper

180 100

182 96.5 76.9 115.3

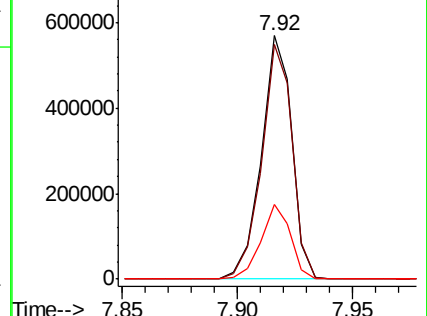
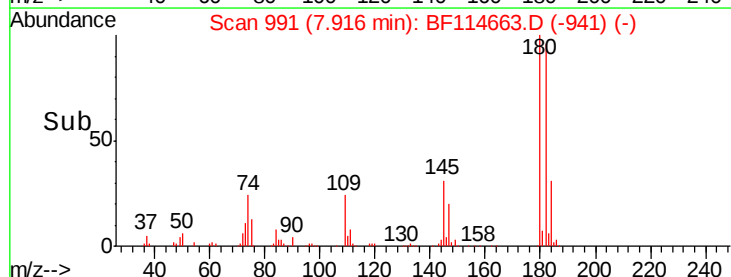
145 30.9 24.5 36.7

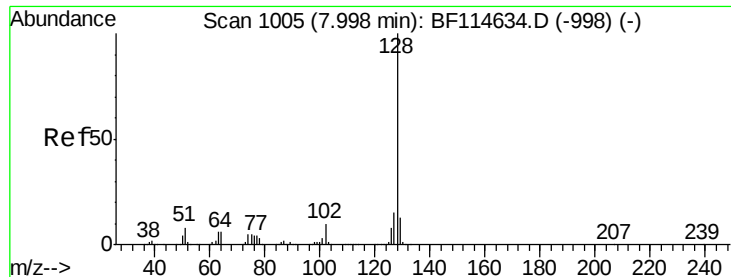


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

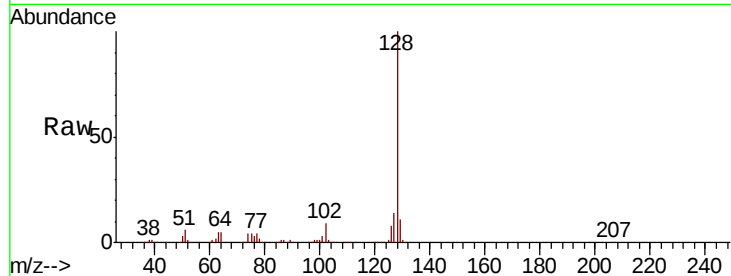




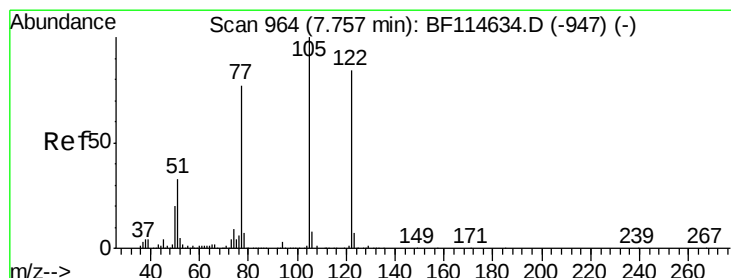
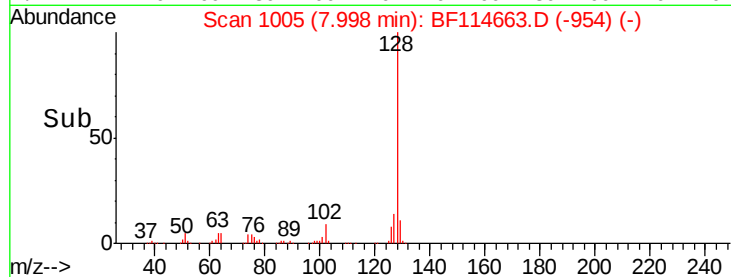
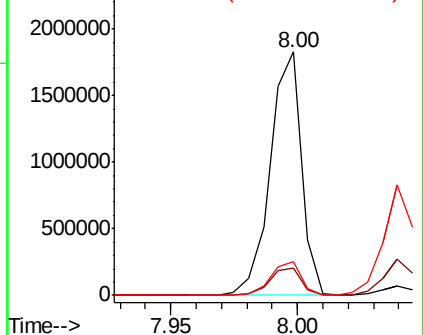
#31
Naphthalene
Concen: 23.960 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:128 Resp: 1582565
Ion Ratio Lower Upper
128 100
129 11.3 10.2 15.2
127 13.7 11.9 17.9

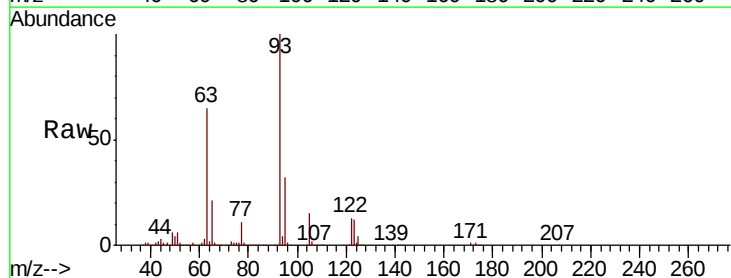


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

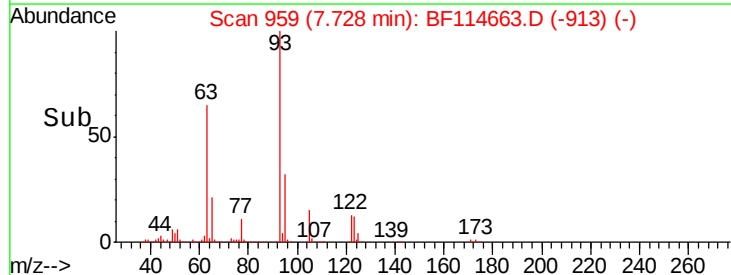
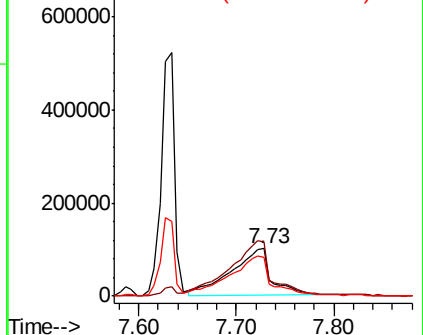


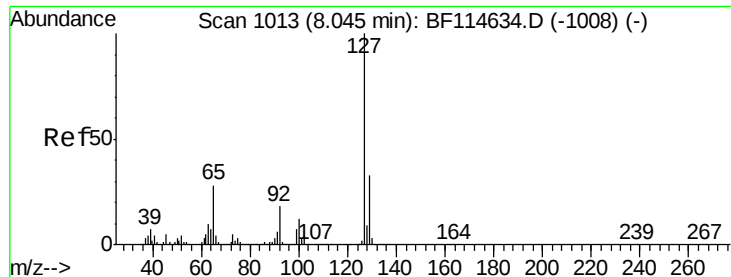
#32
Benzoic acid
Concen: 22.747 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.03 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:122 Resp: 292029
Ion Ratio Lower Upper
122 100
105 115.8 98.3 138.3
77 82.8 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

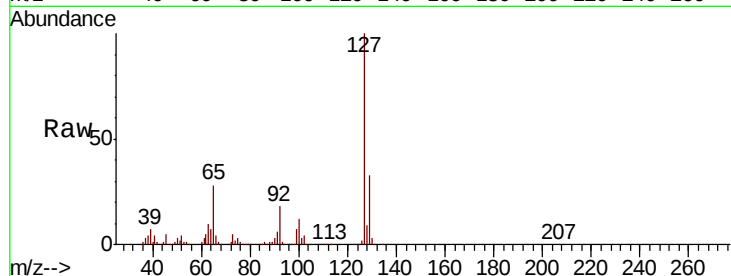




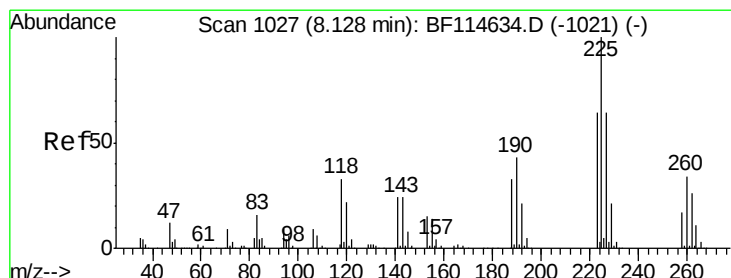
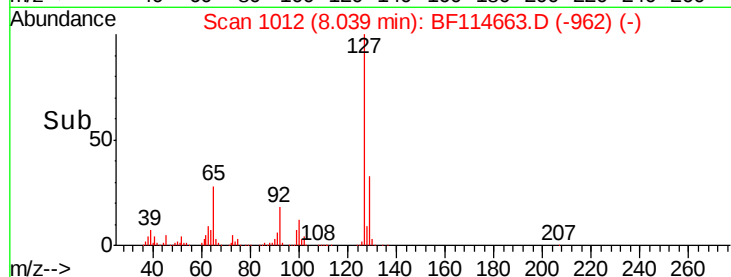
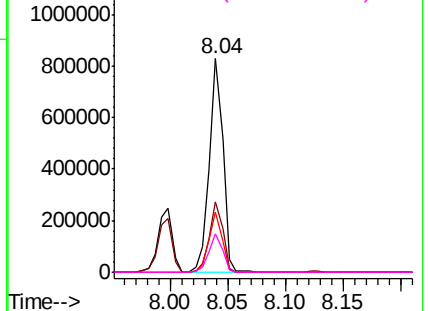
#33
4-Chloroaniline
Concen: 21.740 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:	127	Resp:	684135
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.7	40.1
65	28.0	22.5	33.7
92	18.2	14.6	22.0

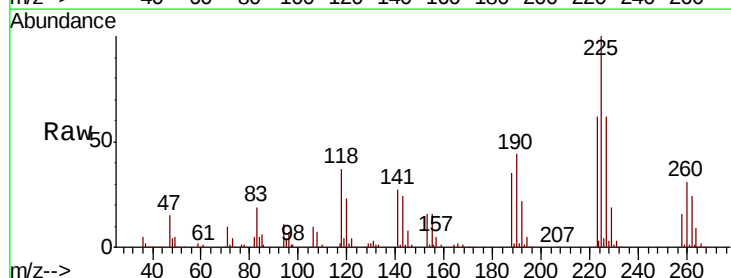


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

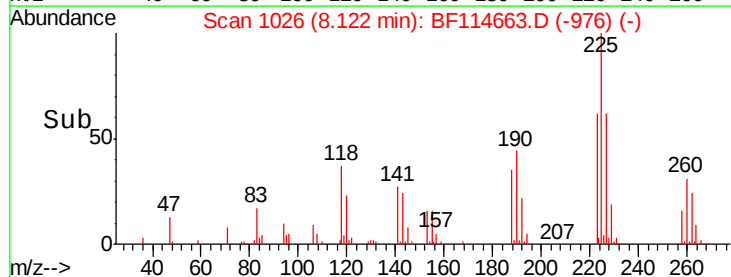
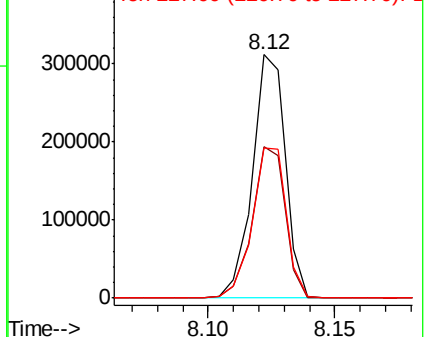


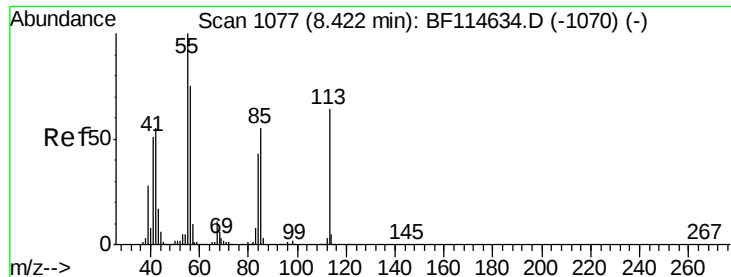
#34
Hexachlorobutadiene
Concen: 22.273 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:	225	Resp:	283602
Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.9	76.3
227	61.6	51.3	76.9



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

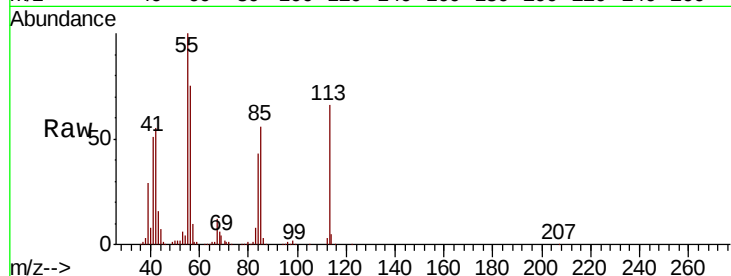




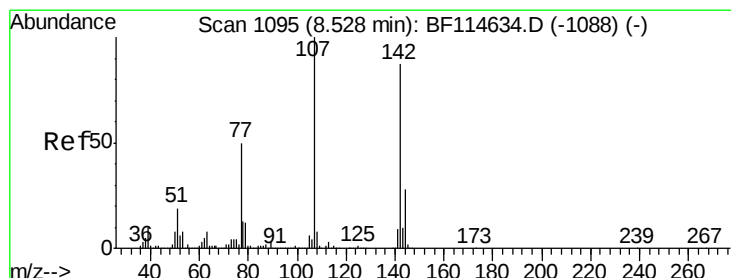
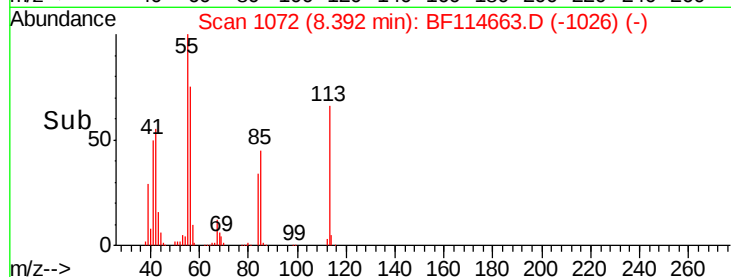
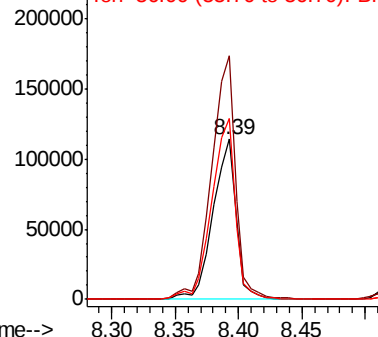
#35
Caprolactam
Concen: 21.104 ng
RT: 8.39 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:113 Resp: 143282
Ion Ratio Lower Upper
113 100
55 151.9 136.4 176.4
56 113.2 97.0 137.0

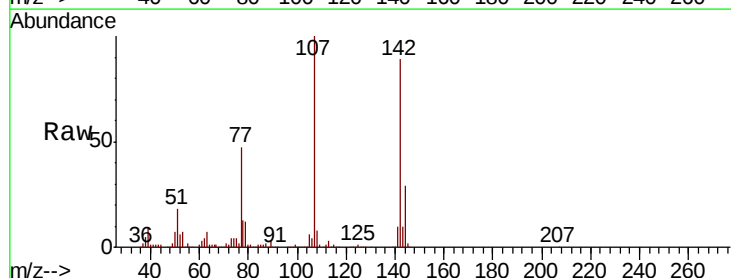


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

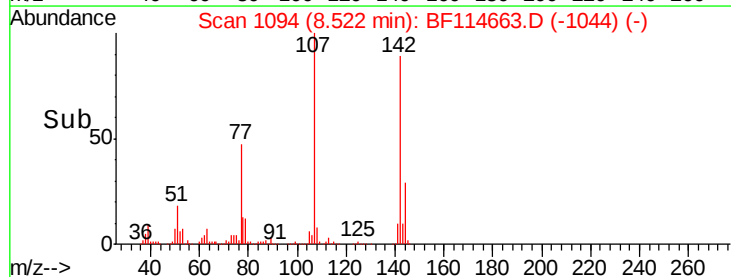
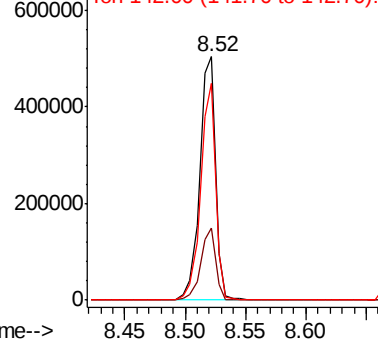


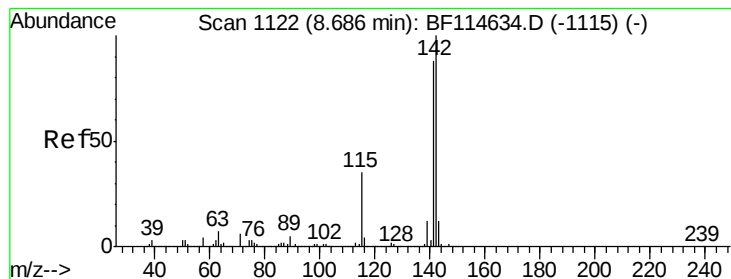
#36
4-Chloro-3-methylphenol
Concen: 22.771 ng
RT: 8.52 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:107 Resp: 459422
Ion Ratio Lower Upper
107 100
144 29.4 22.5 33.7
142 89.2 69.8 104.6



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 24.524 ng

RT: 8.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

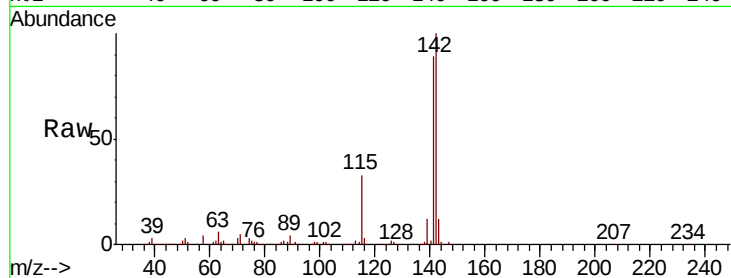
Tot Ion:142 Resp: 1076266

Ion Ratio Lower Upper

142 100

141 89.1 70.3 105.5

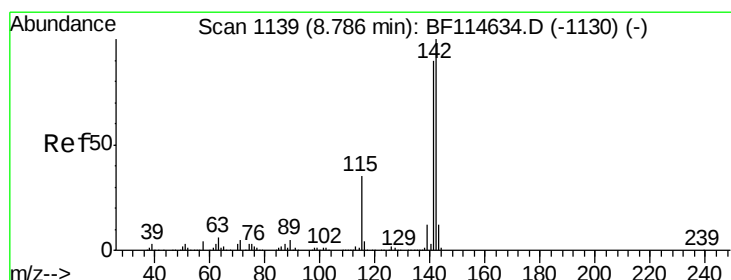
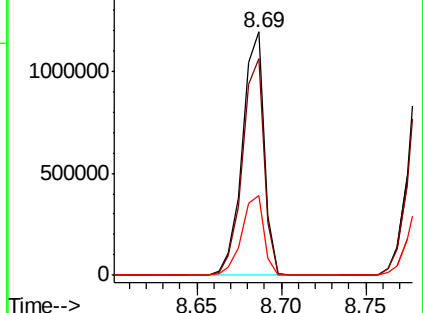
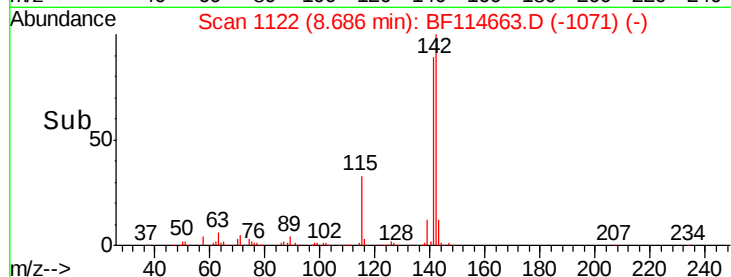
115 32.7 28.0 42.0



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: 24.571 ng

RT: 8.78 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

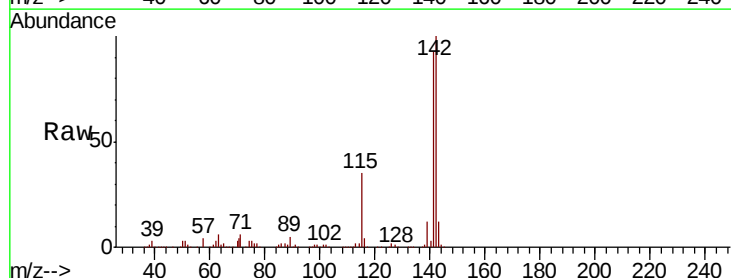
Tgt Ion:142 Resp: 1021648

Ion Ratio Lower Upper

142 100

141 92.6 72.3 108.5

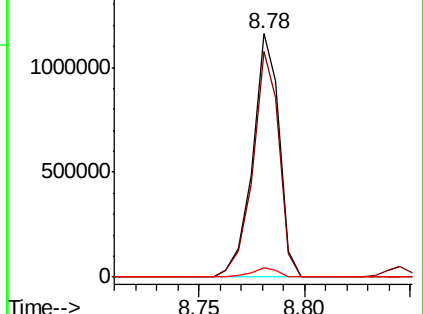
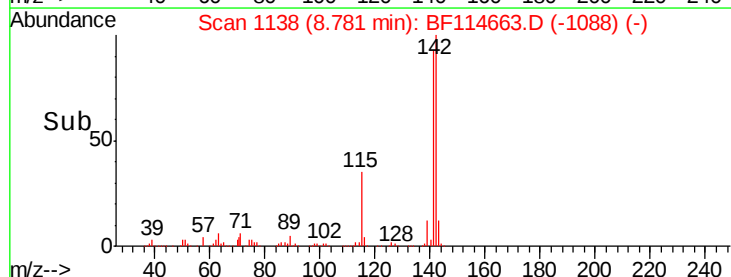
116 3.7 3.0 4.4

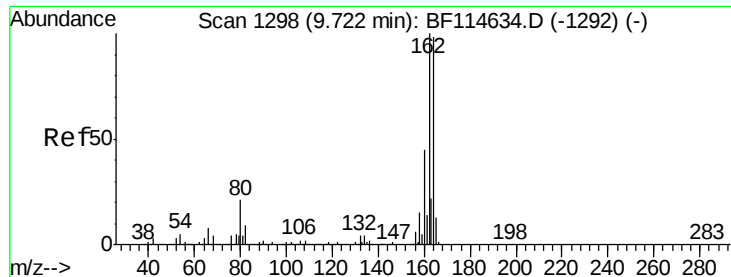


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

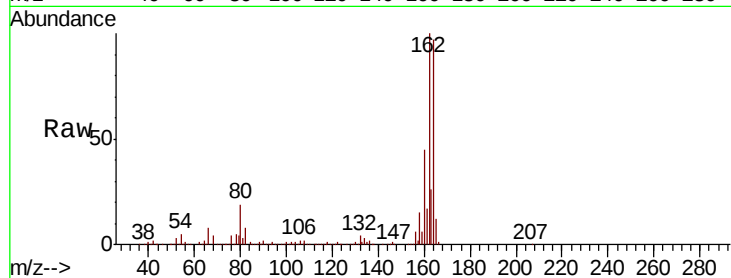




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.4	122.2
160	46.6	36.6	54.8

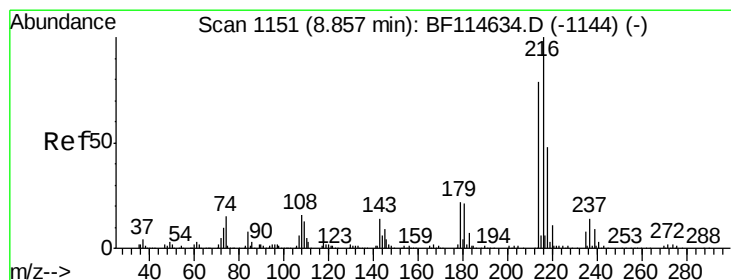
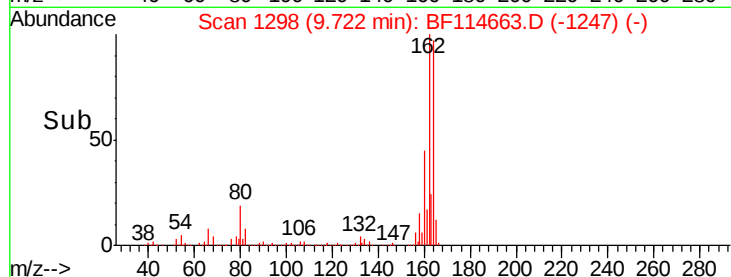
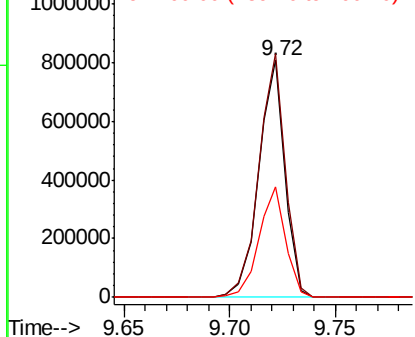


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 26.459 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.2	94.8
179	22.1	17.9	26.9
108	19.6	15.8	23.8

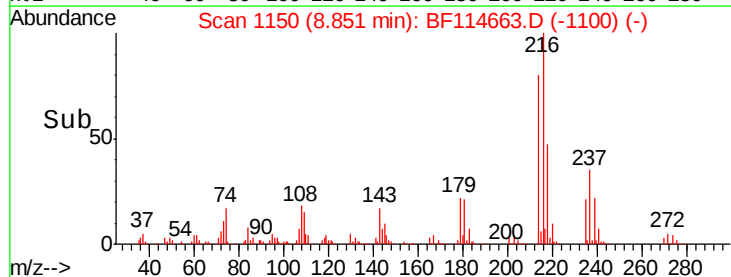
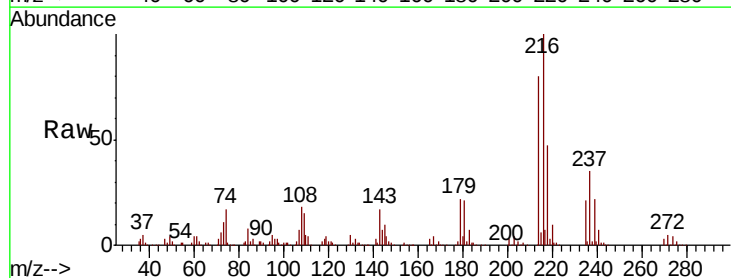
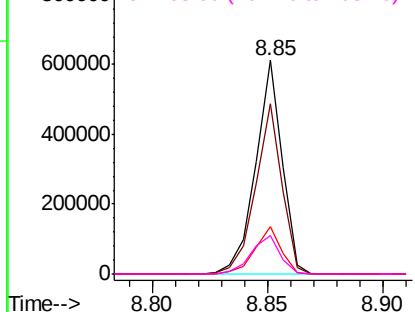
Abundance

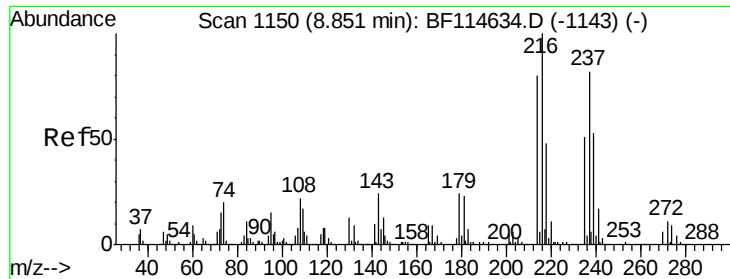
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 24.828 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

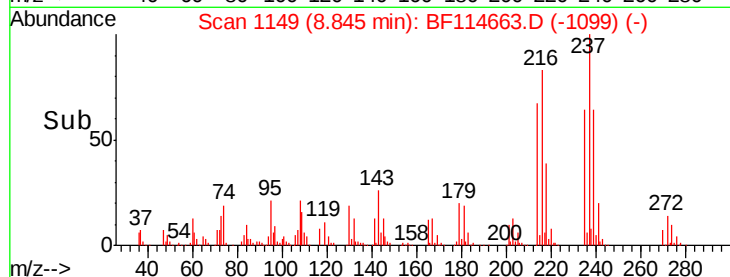
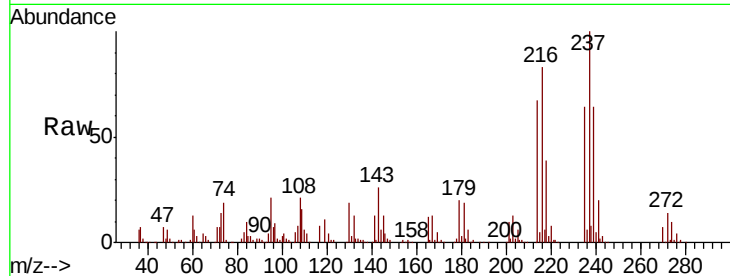
Tot Ion:237 Resp: 304686

Ion Ratio Lower Upper

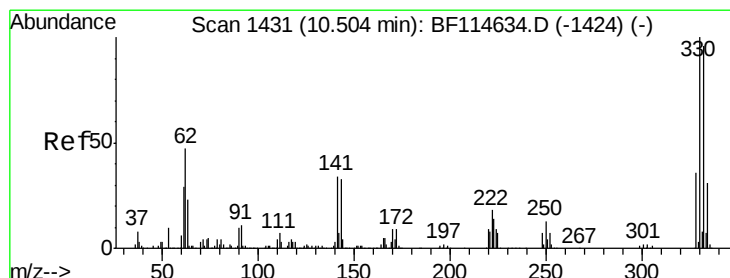
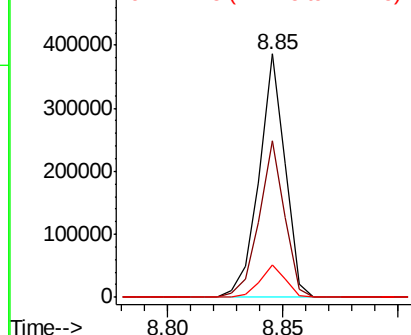
237 100

235 64.4 42.8 82.8

272 13.5 0.0 33.7



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: 99.286 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

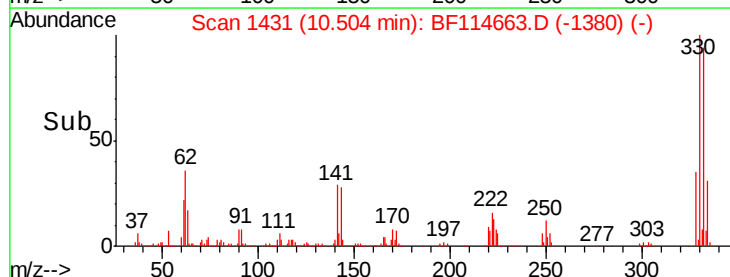
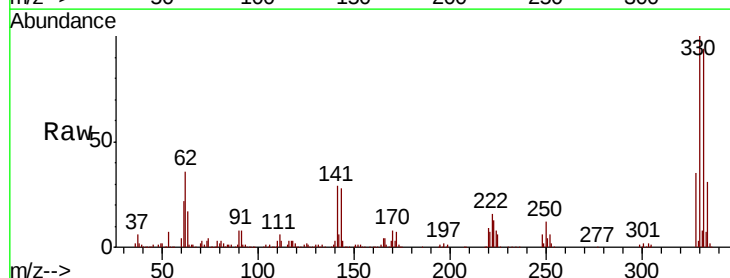
Tgt Ion:330 Resp: 659719

Ion Ratio Lower Upper

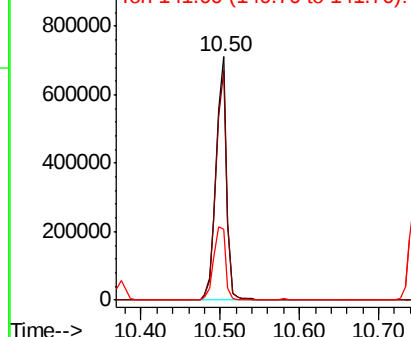
330 100

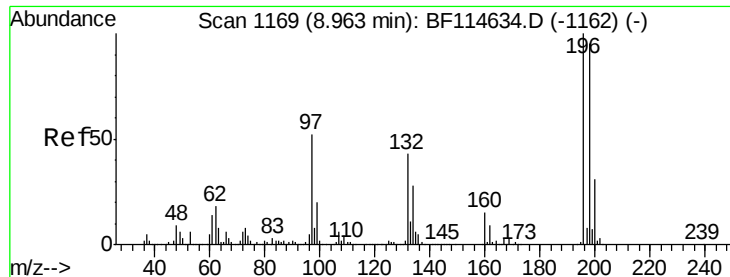
332 96.0 75.8 113.8

141 33.9 27.8 41.8



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

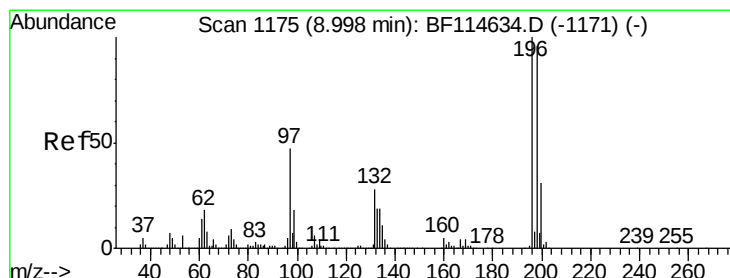
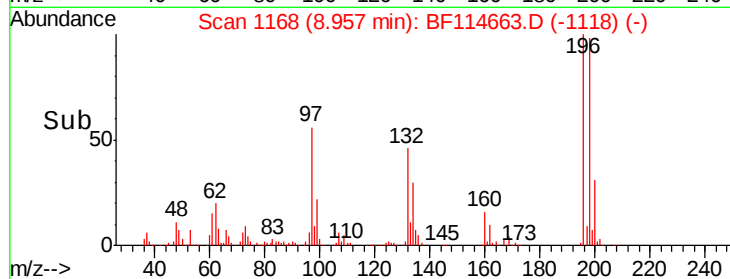
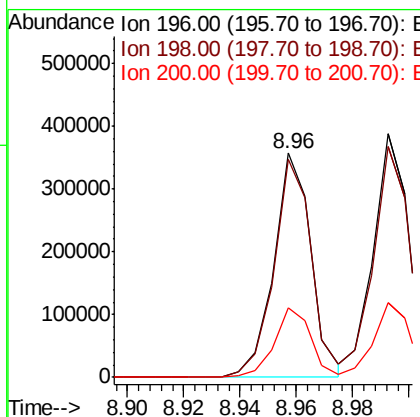
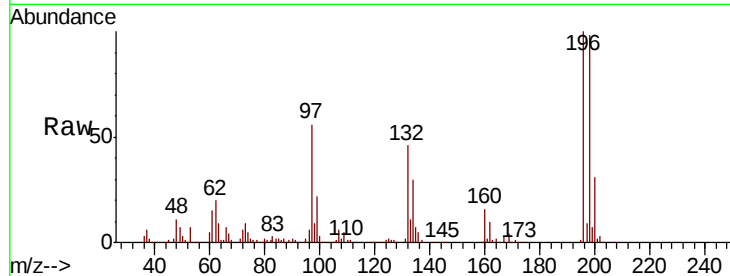




#43
 2,4,6-Trichlorophenol
 Concen: 22.297 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

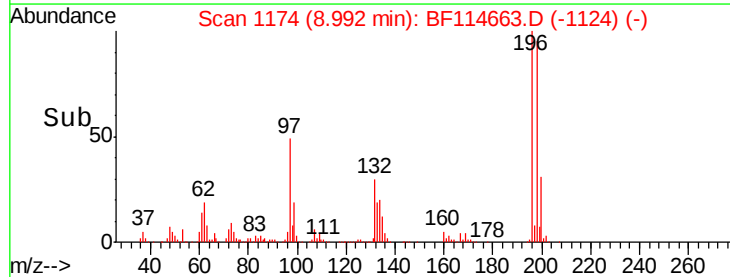
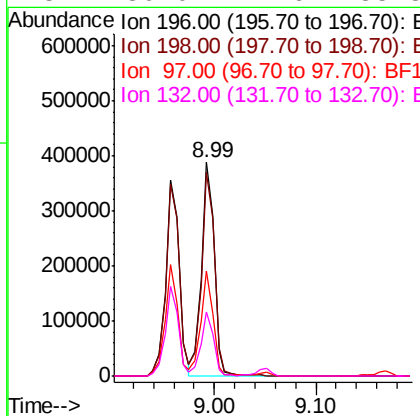
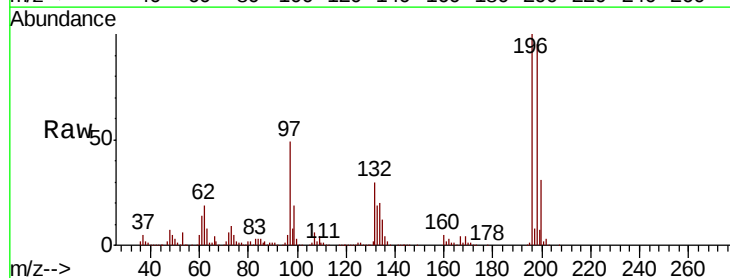
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

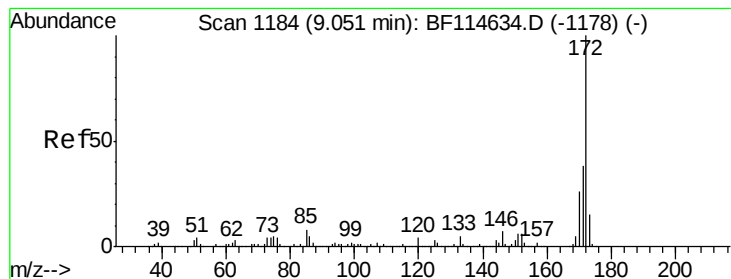
Tot Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.1	114.1
200	31.0	24.7	37.1



#44
 2,4,5-Trichlorophenol
 Concen: 23.533 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.8	115.2
97	49.3	37.8	56.8
132	30.0	22.6	33.8

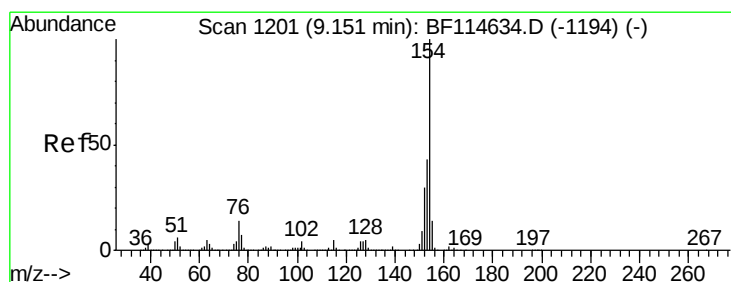
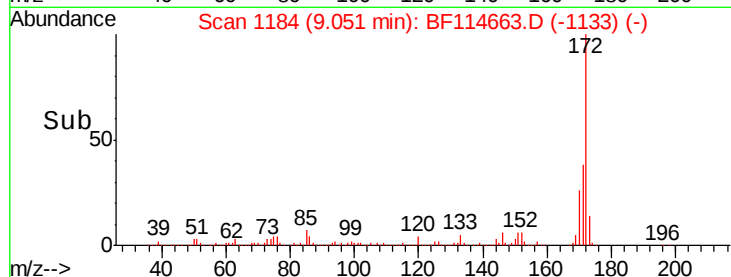
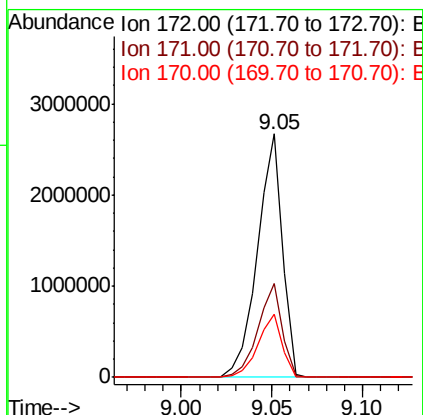
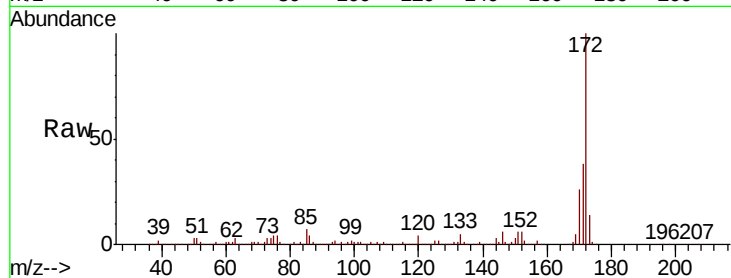




#45
2-Fluorobiphenyl
Concen: 60.753 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

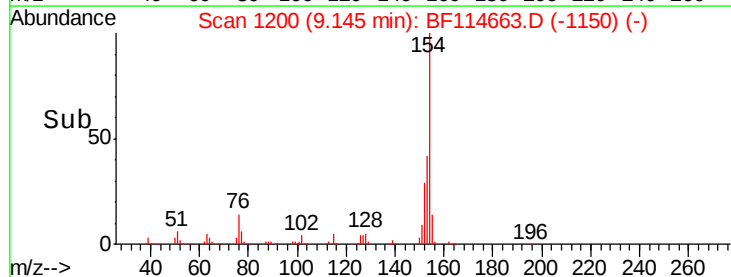
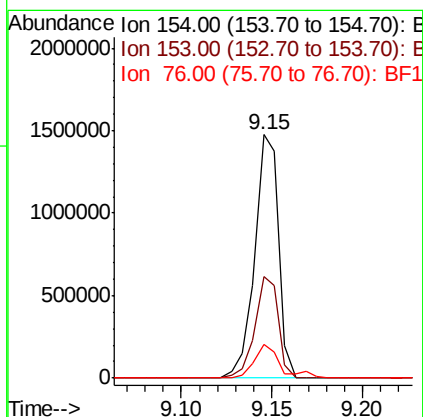
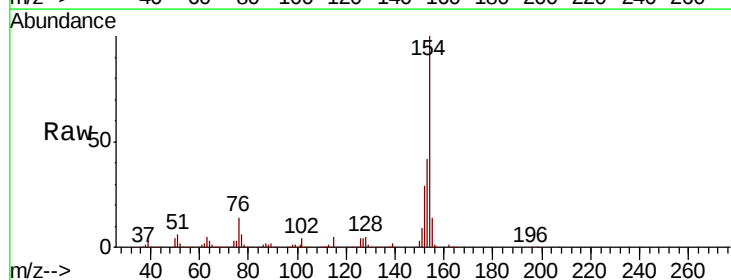
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

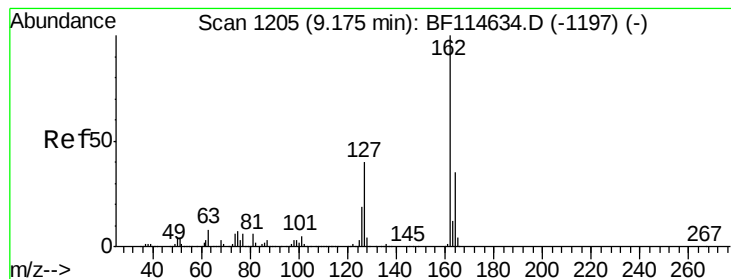
Tot Ion:172 Resp: 2550028
Ion Ratio Lower Upper
172 100
171 38.4 30.6 45.8
170 25.7 20.7 31.1



#46
1,1'-Biphenyl
Concen: 25.991 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:154 Resp: 1345406
Ion Ratio Lower Upper
154 100
153 41.7 23.0 63.0
76 13.8 0.0 33.9





#47

2-Chloronaphthalene

Concen: 23.974 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

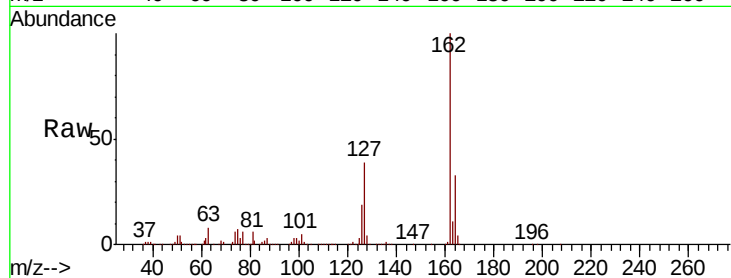
Tot Ion:162 Resp: 1017968

Ion Ratio Lower Upper

162 100

127 38.8 32.2 48.2

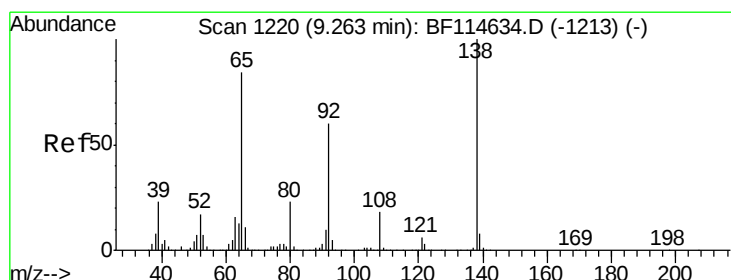
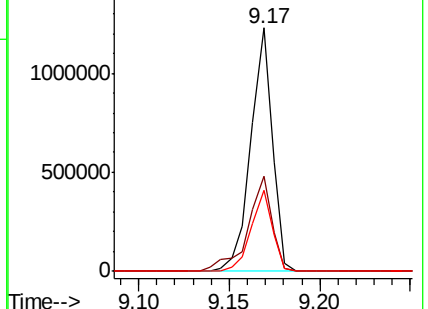
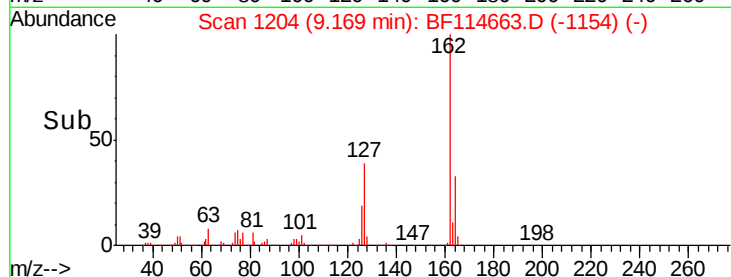
164 33.4 27.8 41.6



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: 20.976 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

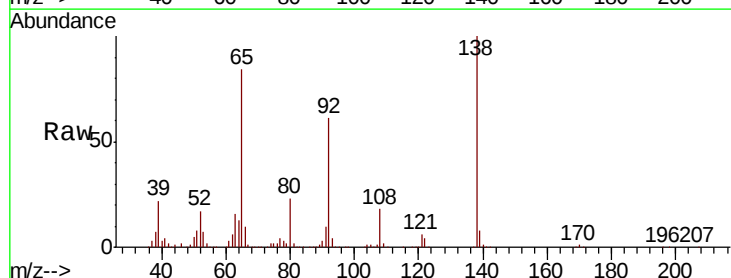
Tgt Ion: 65 Resp: 274856

Ion Ratio Lower Upper

65 100

92 72.9 57.1 85.7

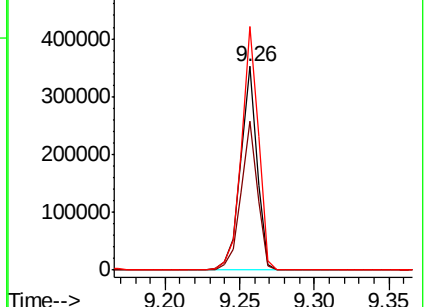
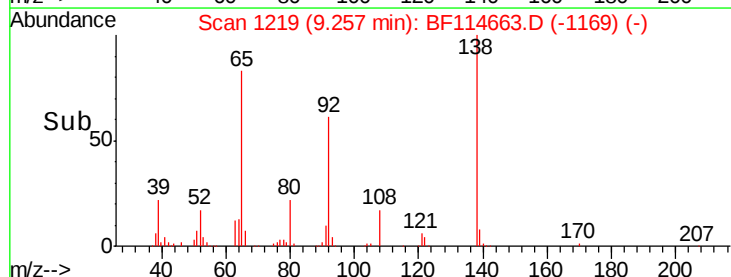
138 119.5 95.8 143.6

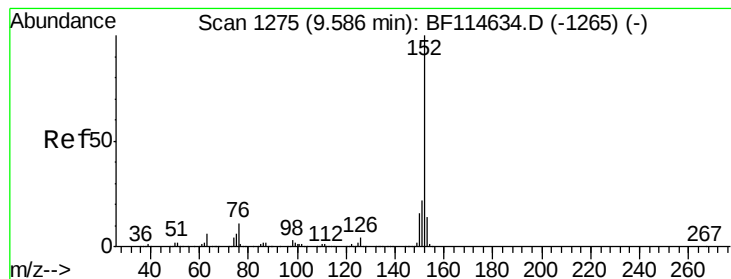


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 24.168 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

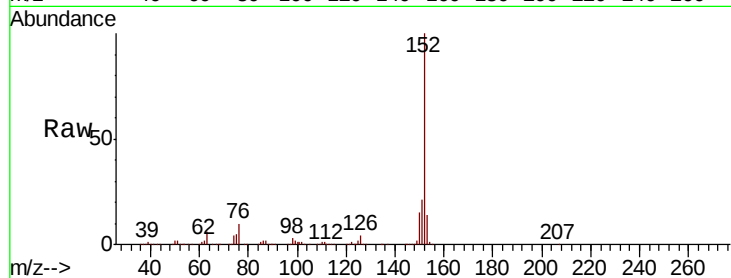
Tot Ion:152 Resp: 1585411

Ion Ratio Lower Upper

152 100

151 21.2 17.5 26.3

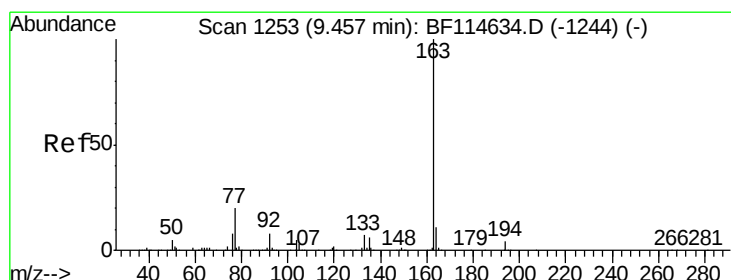
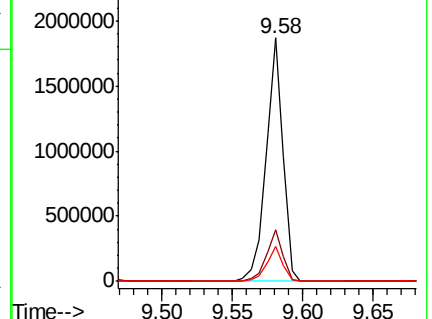
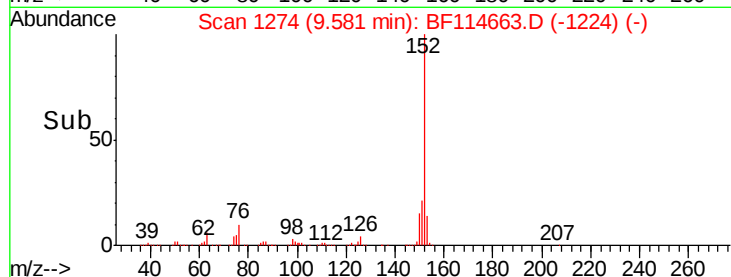
153 14.1 11.6 17.4



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: 23.456 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

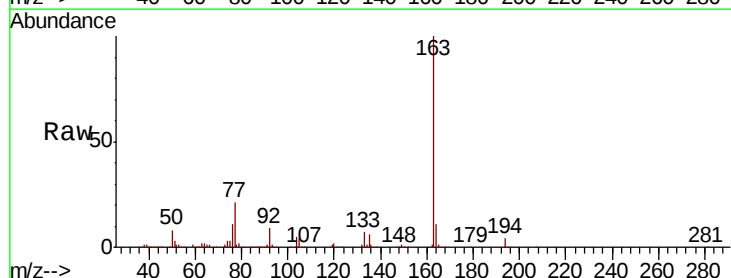
Tgt Ion:163 Resp: 1139771

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

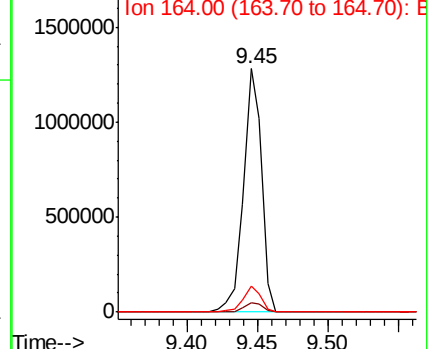
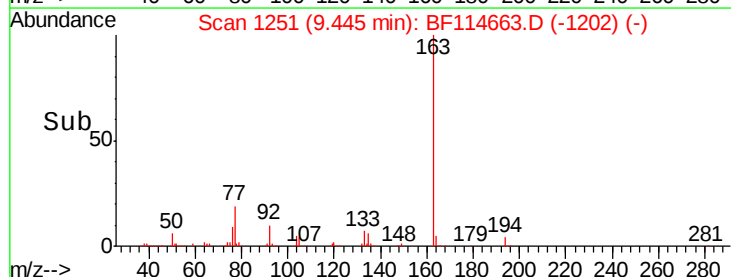
164 10.7 8.6 13.0

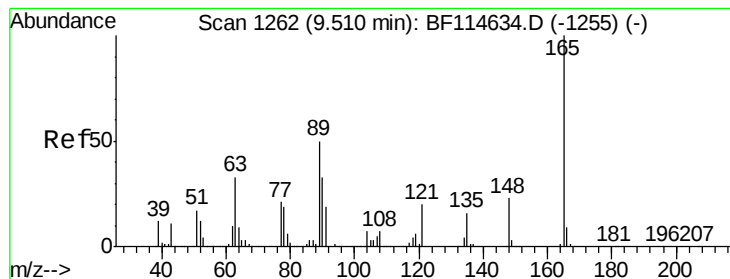


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 22.673 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

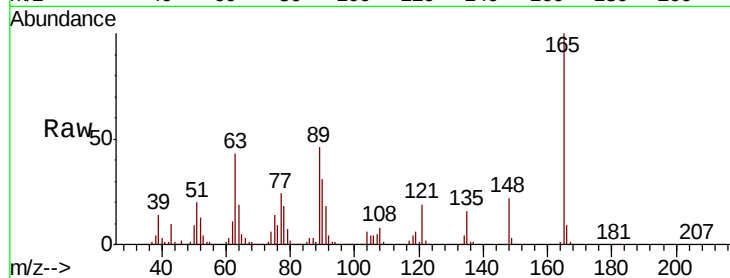
Tot Ion:165 Resp: 256001

Ion Ratio Lower Upper

165 100

63 42.7 36.6 54.8

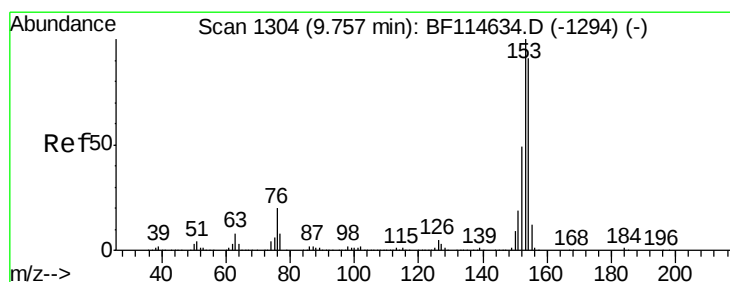
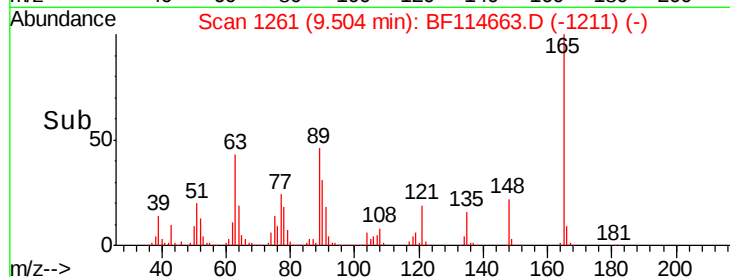
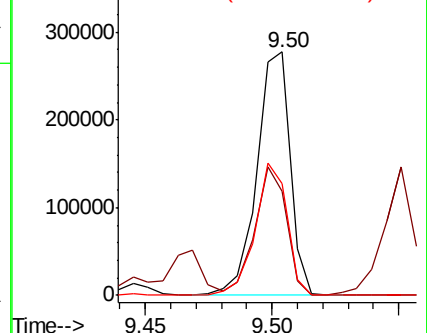
89 46.0 40.2 60.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 24.146 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

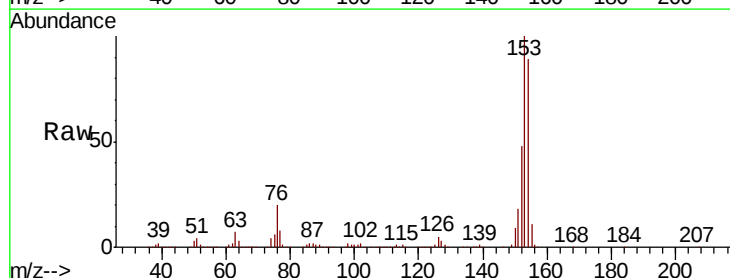
Tgt Ion:154 Resp: 971410

Ion Ratio Lower Upper

154 100

153 112.3 88.4 132.6

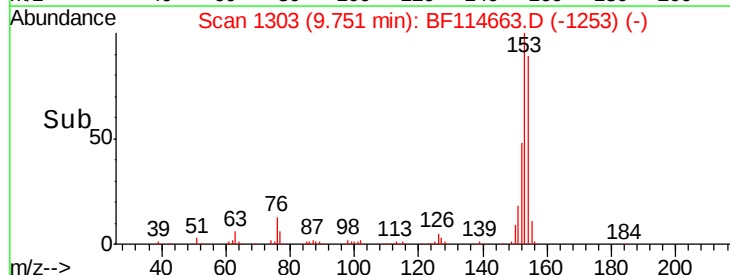
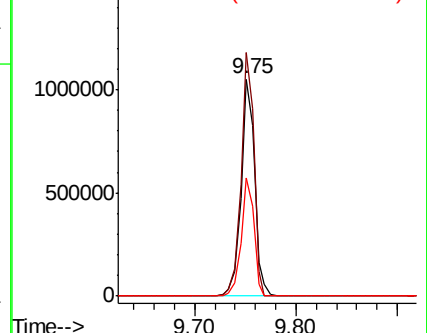
152 54.3 43.4 65.0

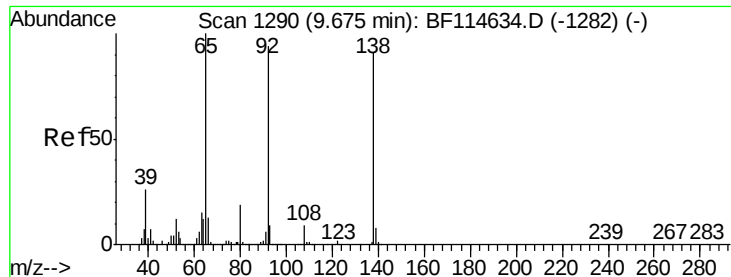


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

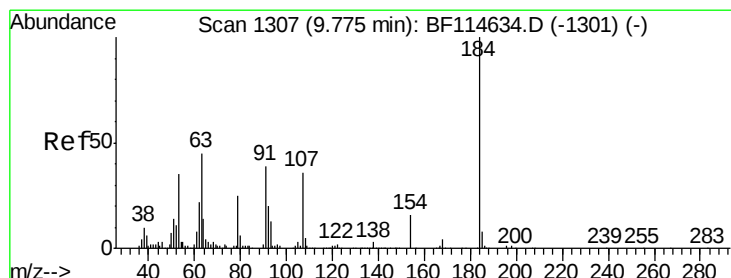
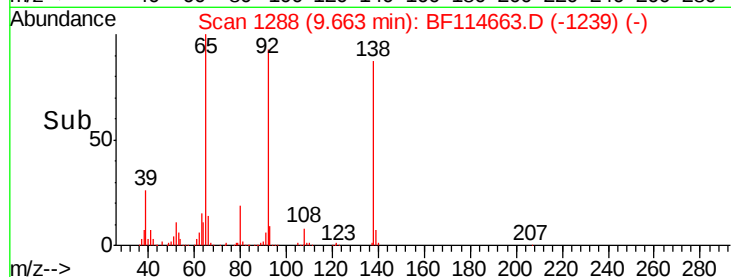
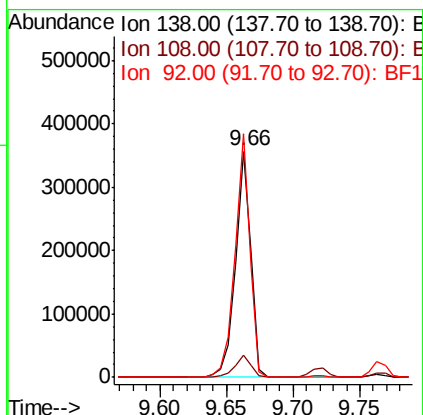
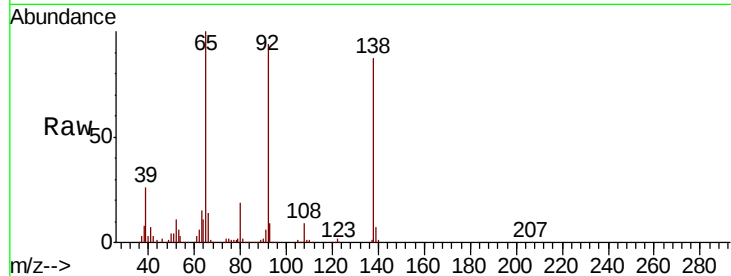




#53
3-Nitroaniline
Concen: 20.970 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

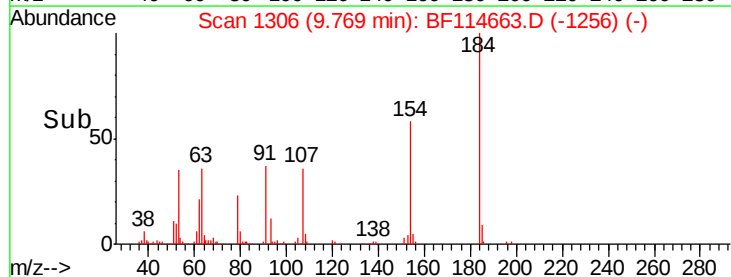
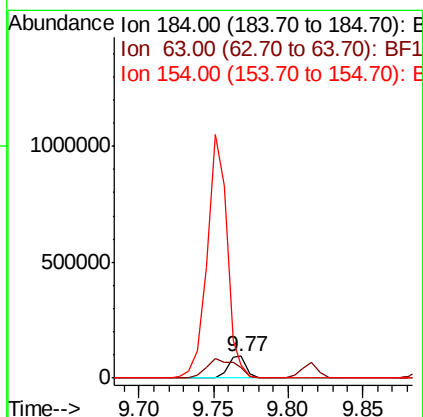
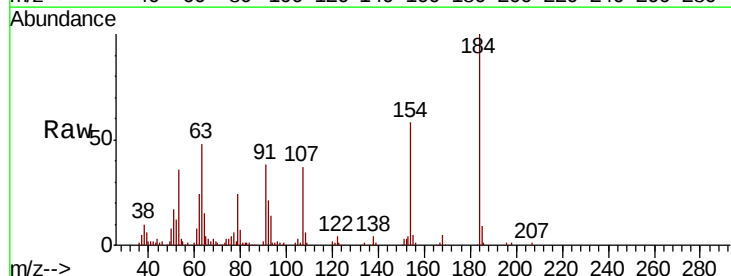
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

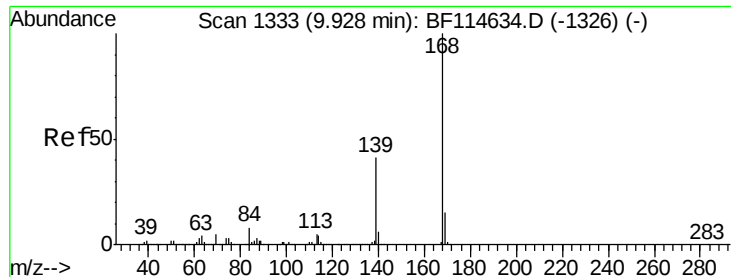
Tot Ion:138 Resp: 289778
Ion Ratio Lower Upper
138 100
108 10.0 8.3 12.5
92 107.8 83.1 124.7



#54
2,4-Dinitrophenol
Concen: 18.690 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:184 Resp: 83238
Ion Ratio Lower Upper
184 100
63 48.4 38.8 58.2
154 58.5 43.7 65.5

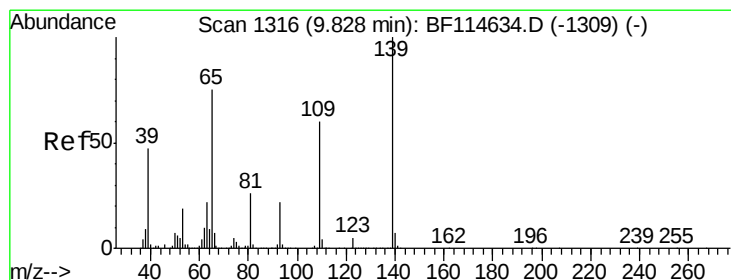
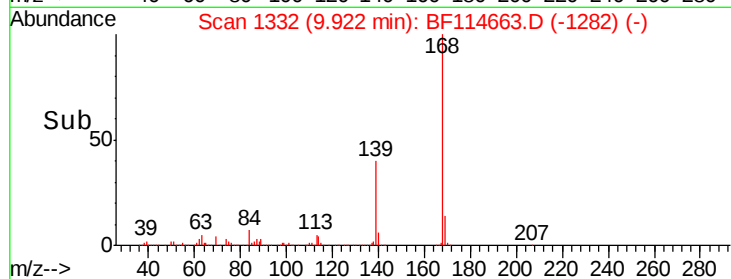
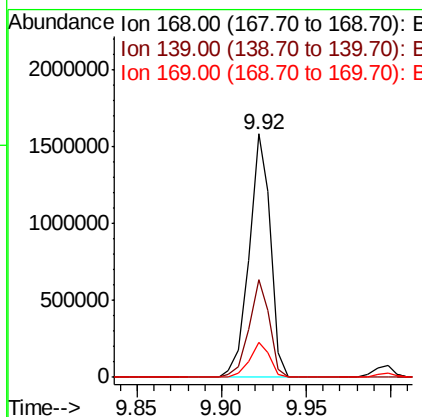
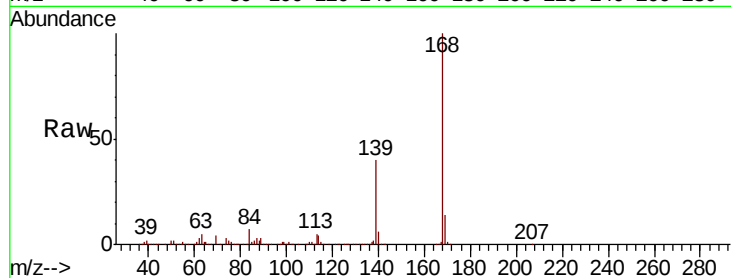




#55
Dibenzofuran
Concen: 24.292 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

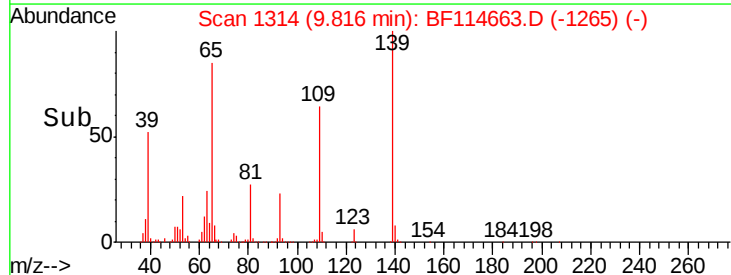
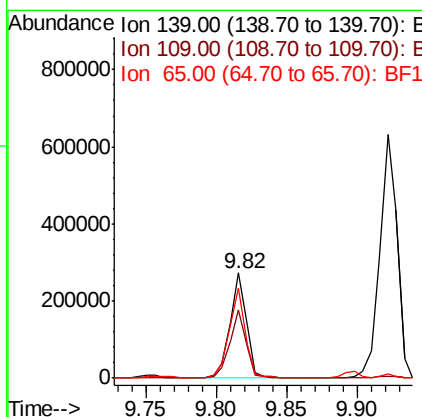
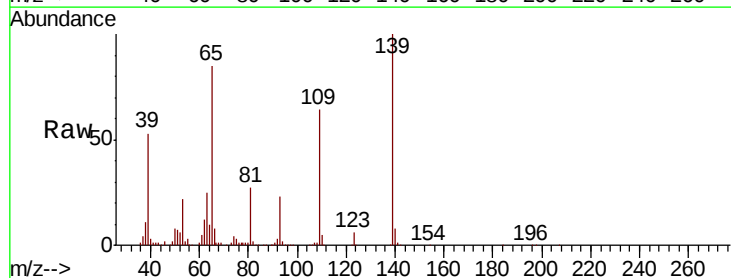
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

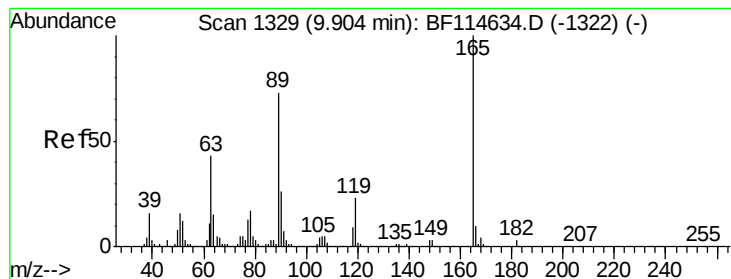
Tot Ion:168 Resp: 1391104
Ion Ratio Lower Upper
168 100
139 40.0 32.6 48.8
169 14.4 11.8 17.8



#56
4-Nitrophenol
Concen: 21.918 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:139 Resp: 224455
Ion Ratio Lower Upper
139 100
109 64.2 40.4 80.4
65 85.2 54.7 94.7





#57

2,4-Dinitrotoluene

Concen: 22.780 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:165 Resp: 330100

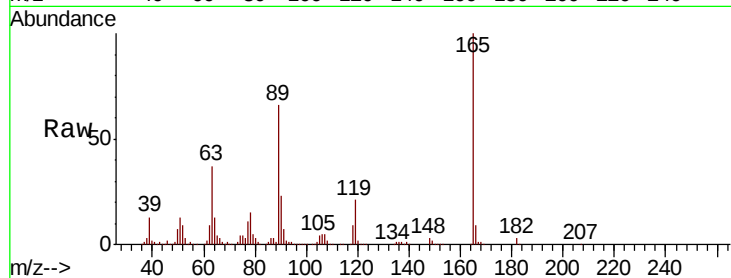
Ion Ratio Lower Upper

165 100

63 36.8 34.8 52.2

89 66.0 58.5 87.7

182 2.6 2.2 3.2

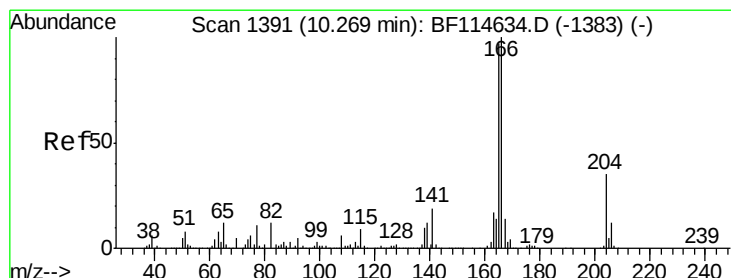
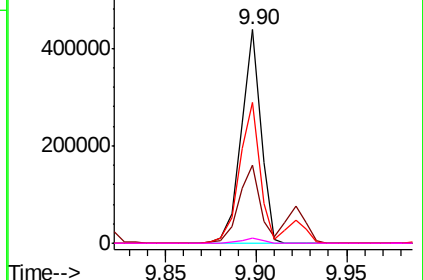
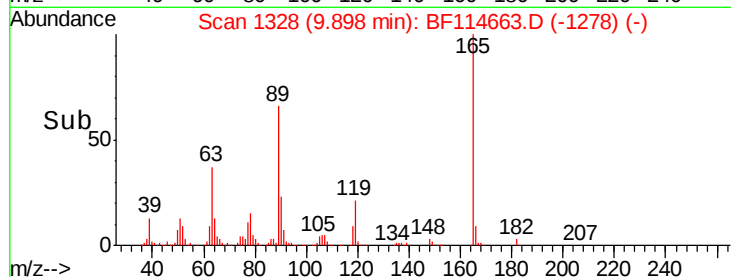


Abundance Ion 165.00 (164.70 to 165.70): E

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: 26.017 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

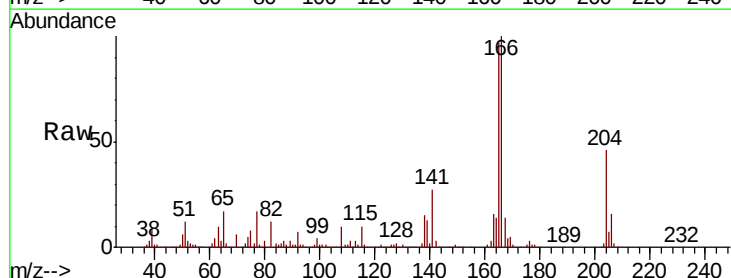
Tgt Ion:166 Resp: 1005979

Ion Ratio Lower Upper

166 100

165 96.7 77.6 116.4

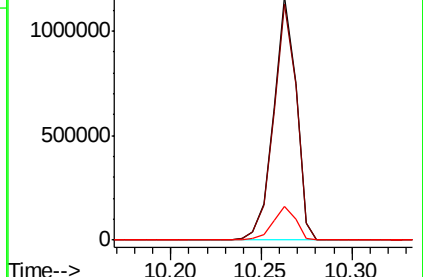
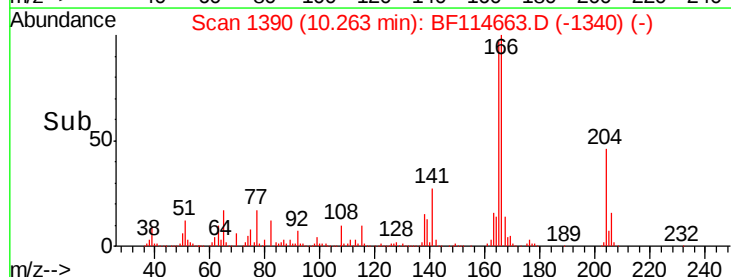
167 13.9 11.2 16.8

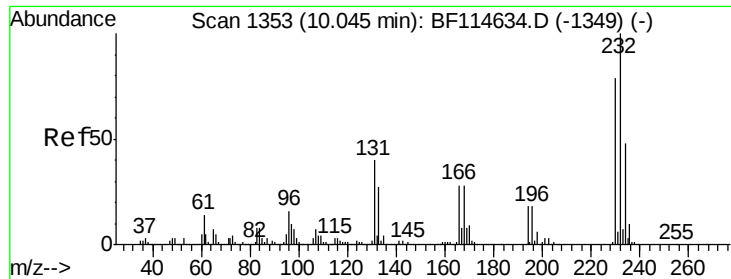


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

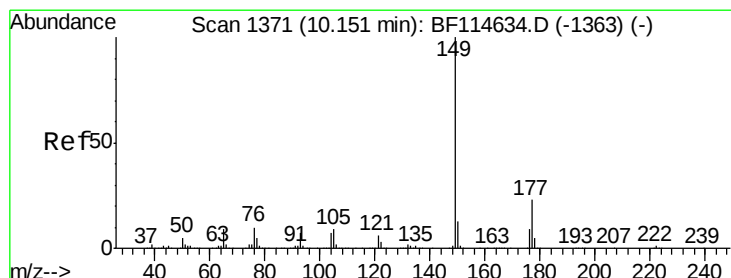
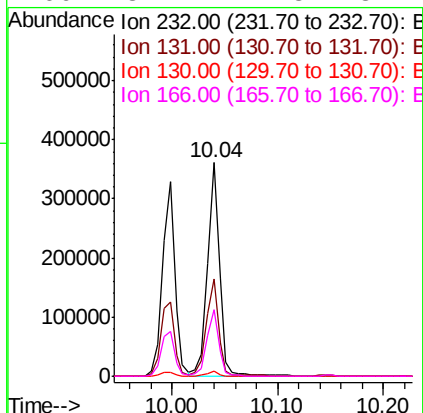
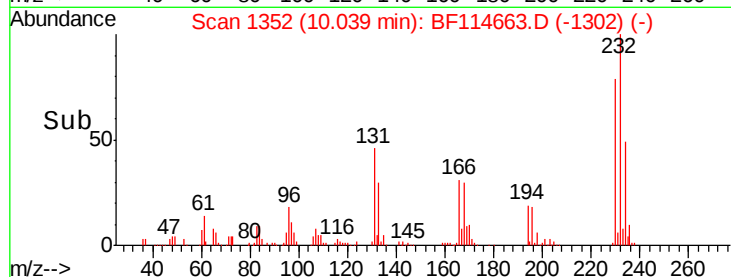
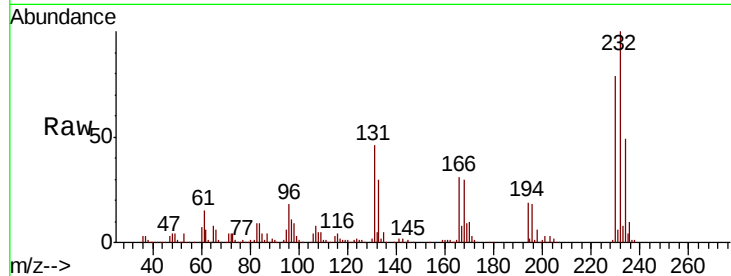




#59
2,3,4,6-Tetrachlorophenol
Concen: 24.109 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

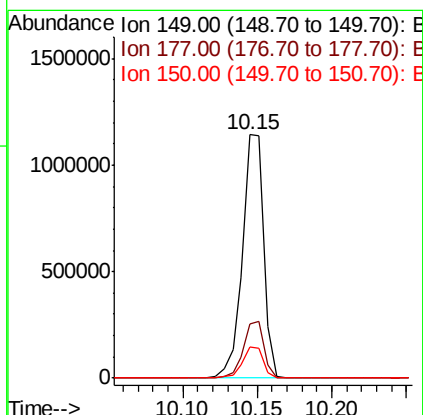
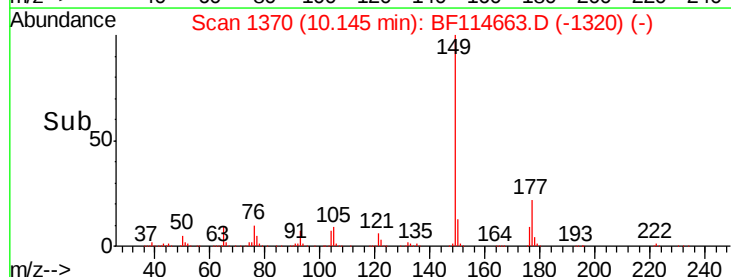
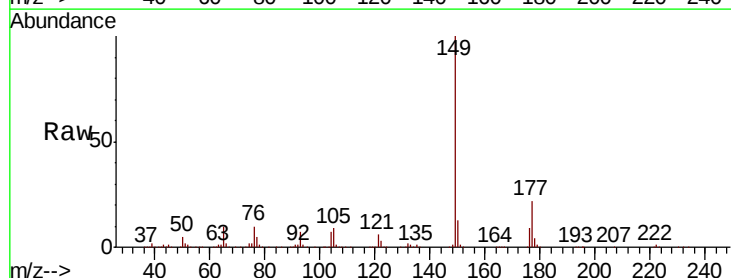
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

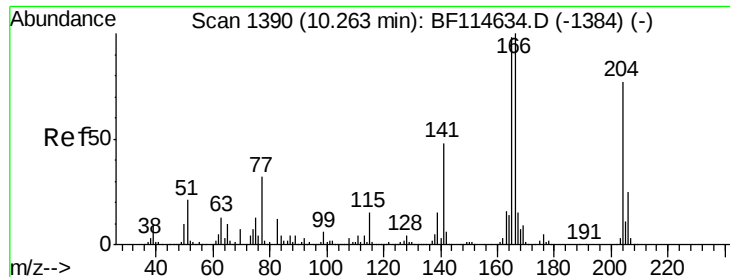
Tot Ion	Ratio	Lower	Upper
232	100		
131	46.4	37.2	55.8
130	2.3	1.8	2.8
166	31.2	24.8	37.2



#60
Diethylphthalate
Concen: 22.764 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.6	28.0
150	12.9	10.6	15.8

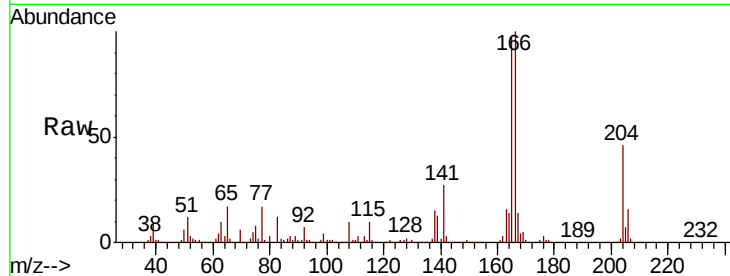




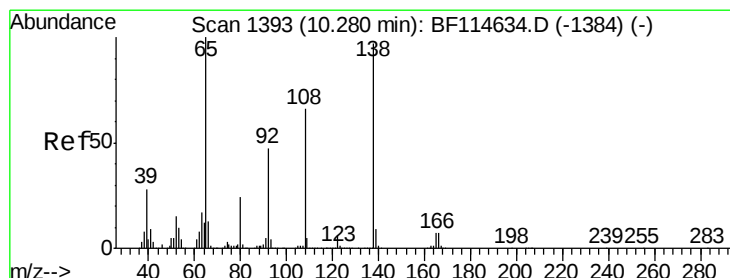
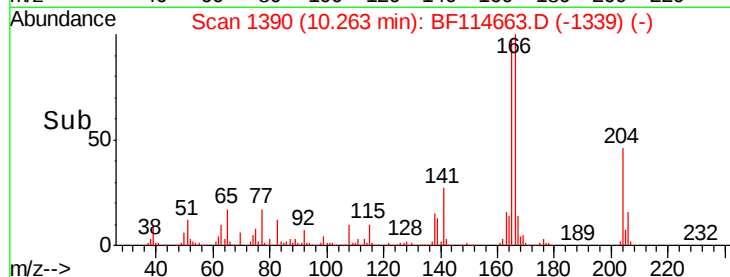
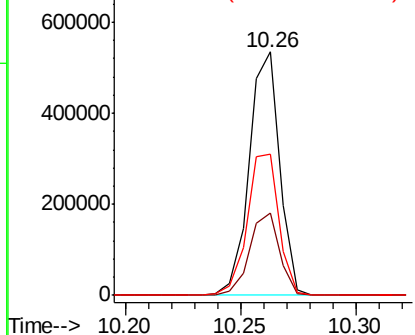
#61
4-Chlorophenyl-phenylether
Concen: 25.549 ng
RT: 10.26 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:204 Resp: 494259
Ion Ratio Lower Upper
204 100
206 33.9 26.4 39.6
141 58.1 50.0 75.0

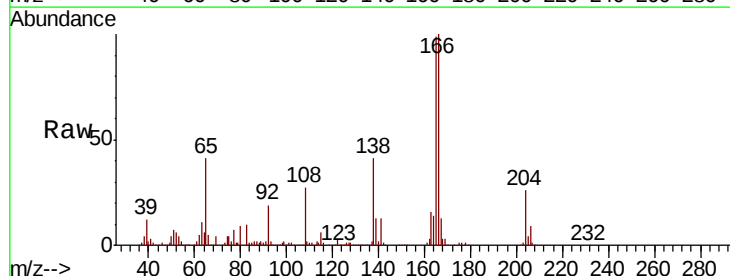


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

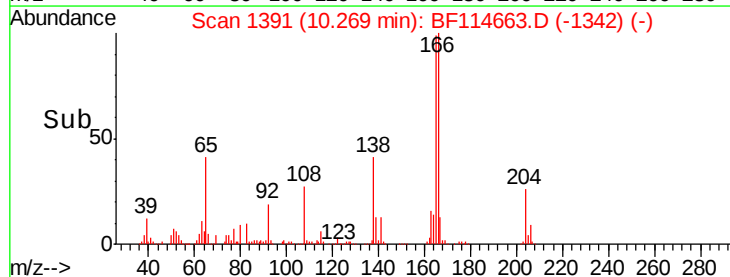
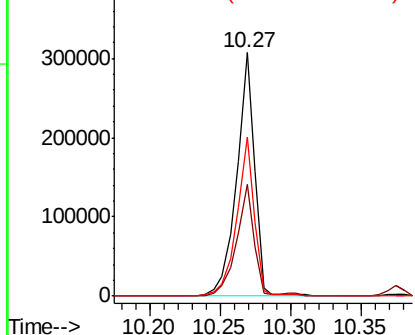


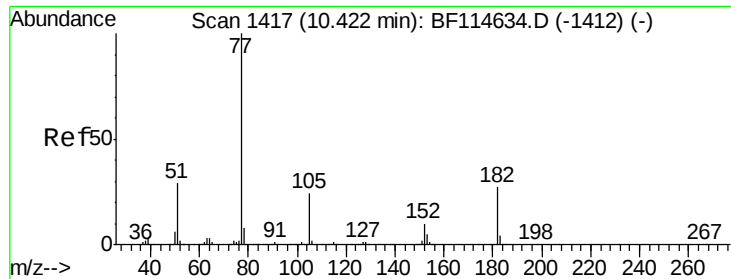
#62
4-Nitroaniline
Concen: 20.173 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:138 Resp: 271652
Ion Ratio Lower Upper
138 100
92 46.0 28.0 68.0
108 65.3 48.4 88.4



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: 23.215 ng

RT: 10.42 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion: 77 Resp: 1057789

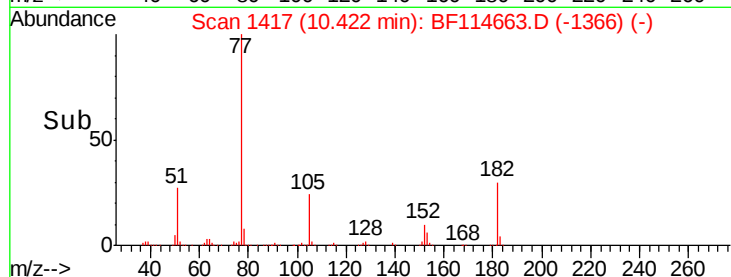
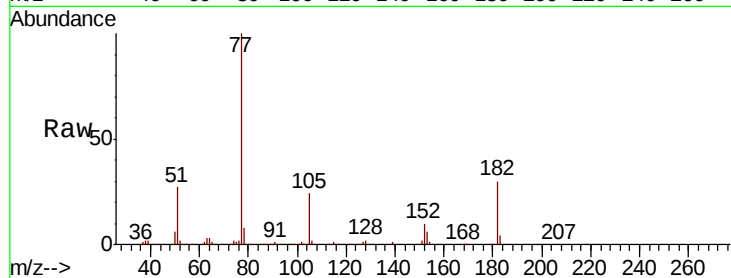
Ion	Ratio	Lower	Upper
77	100		
182	29.6	7.0	47.0
105	23.8	3.7	43.7
51	26.7	9.1	49.1

77 100

182 29.6 7.0 47.0

105 23.8 3.7 43.7

51 26.7 9.1 49.1

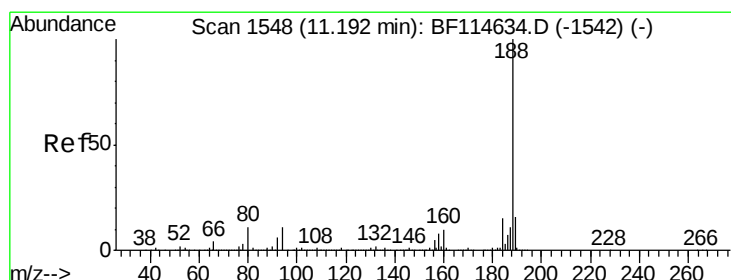
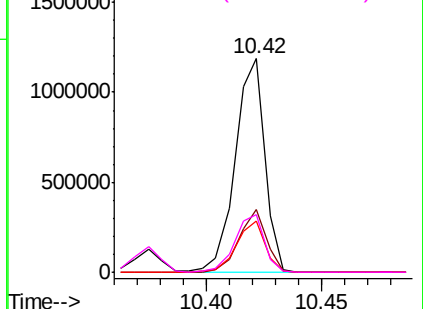


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.19 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

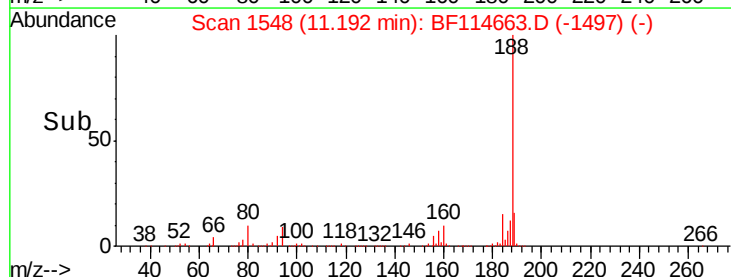
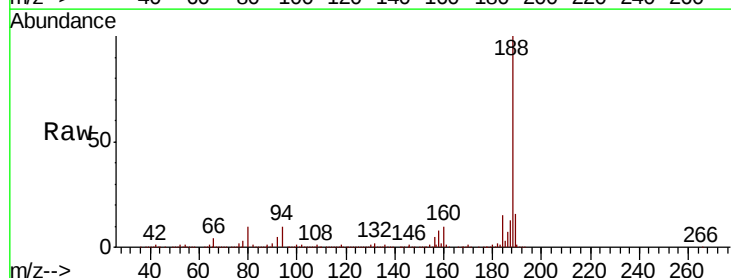
Tgt Ion: 188 Resp: 1333977

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.6	13.0
80	10.4	9.0	13.6

188 100

94 9.9 8.6 13.0

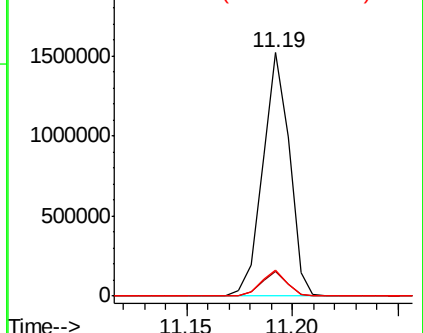
80 10.4 9.0 13.6

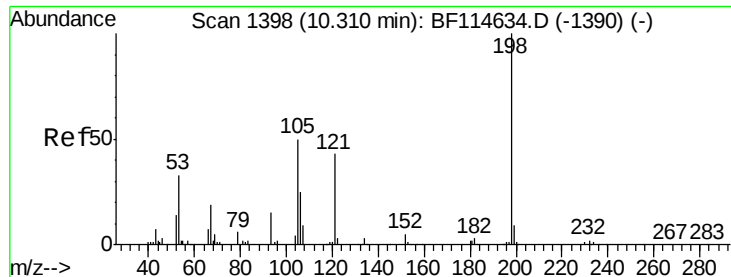


Abundance Ion 188.00 (187.70 to 188.70): E

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: 20.341 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

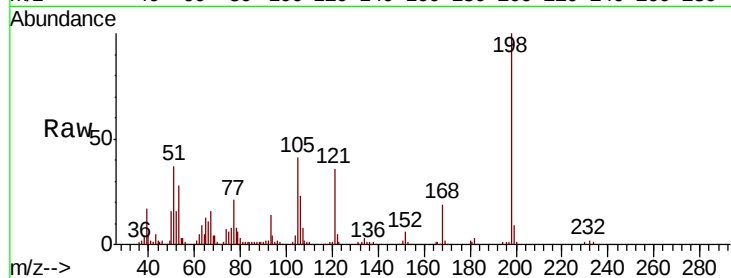
Tot Ion:198 Resp: 120320

Ion Ratio Lower Upper

198 100

51 36.6 29.0 69.0

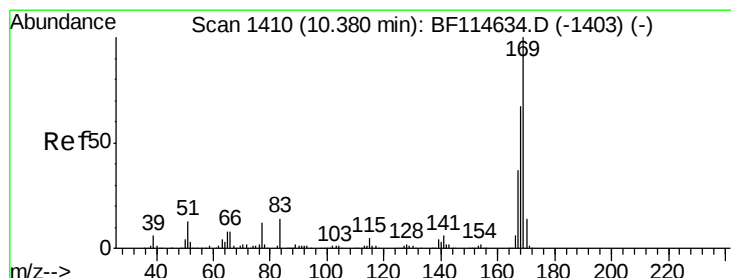
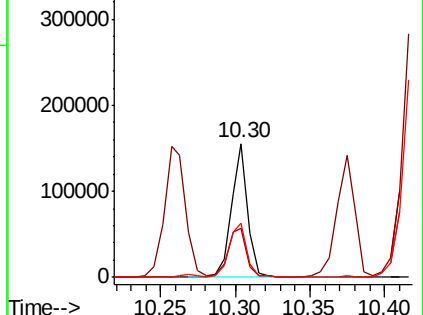
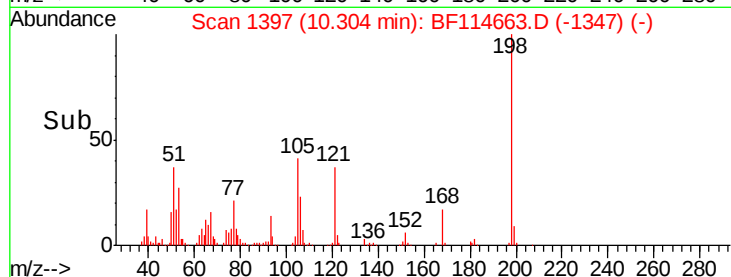
105 41.0 30.4 70.4



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: 24.487 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

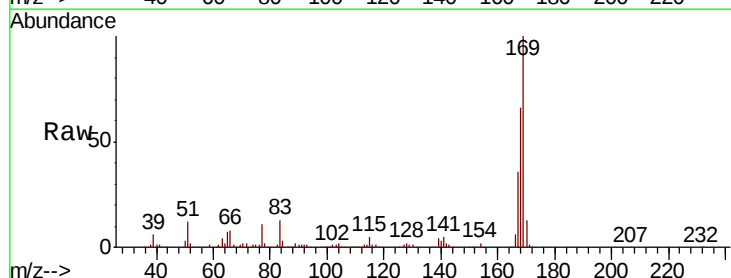
Tgt Ion:169 Resp: 965082

Ion Ratio Lower Upper

169 100

168 66.2 53.8 80.8

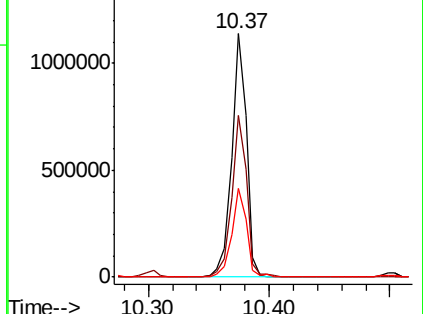
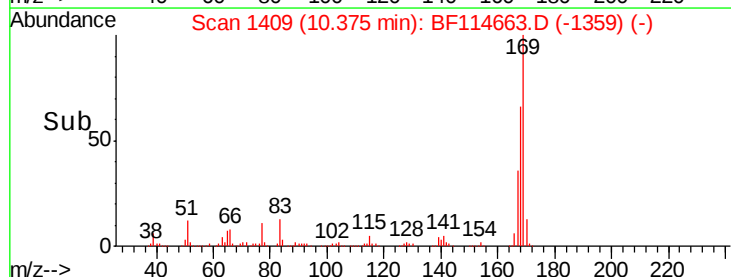
167 36.2 29.8 44.6

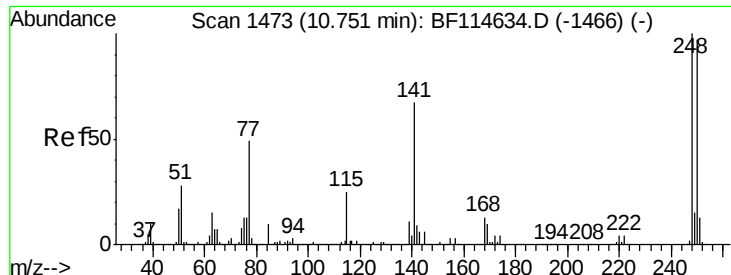


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

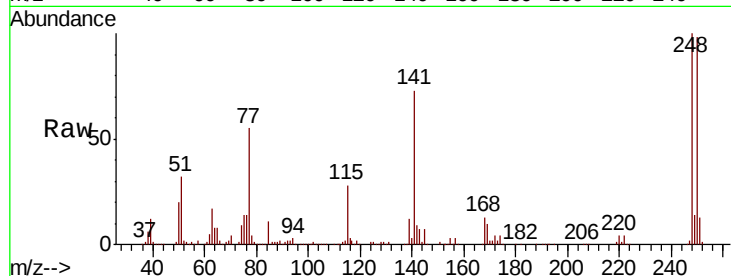




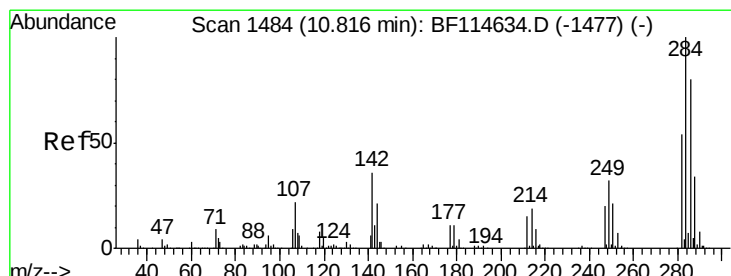
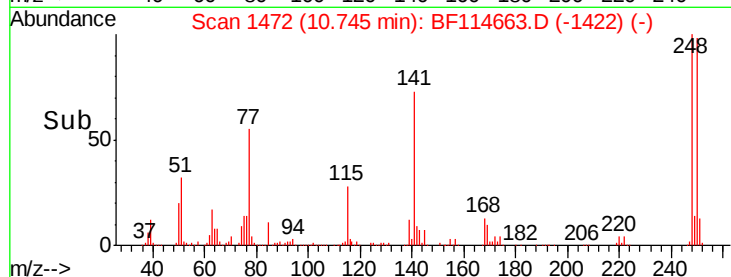
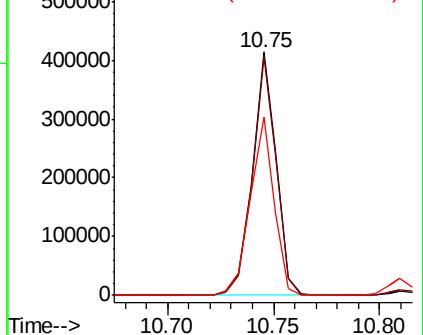
#67
4-Bromophenyl-phenylether
Concen: 22.667 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:248 Resp: 324256
Ion Ratio Lower Upper
248 100
250 97.9 78.0 117.0
141 73.3 53.8 80.8

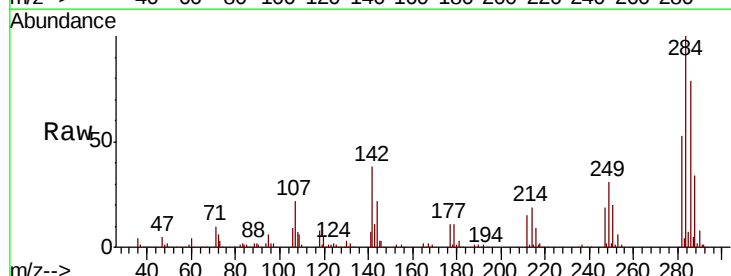


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

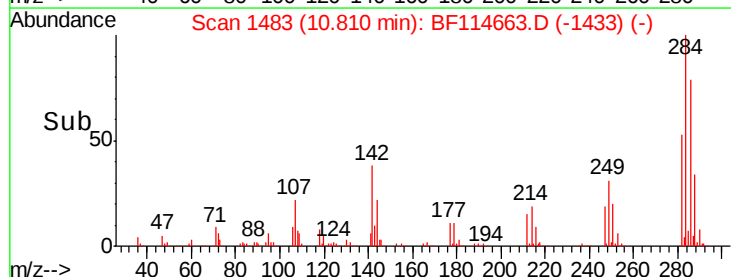
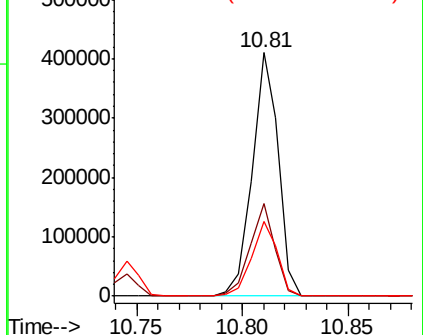


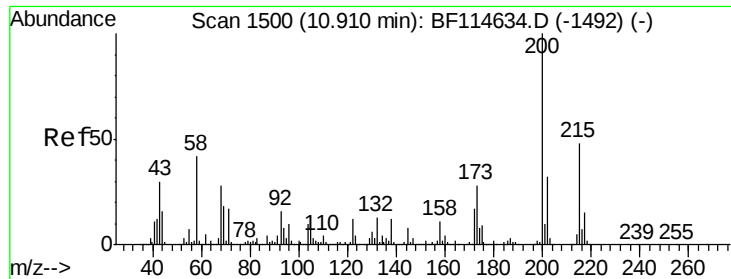
#68
Hexachlorobenzene
Concen: 22.678 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:284 Resp: 351385
Ion Ratio Lower Upper
284 100
142 37.9 28.9 43.3
249 30.8 25.8 38.6



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: 24.109 ng

RT: 10.90 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

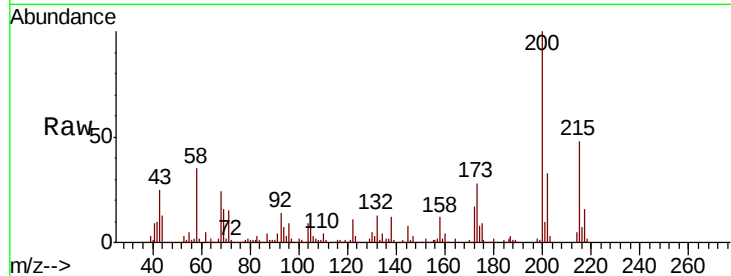
Tot Ion:200 Resp: 299385

Ion Ratio Lower Upper

200 100

173 27.7 7.9 47.9

215 48.1 27.8 67.8

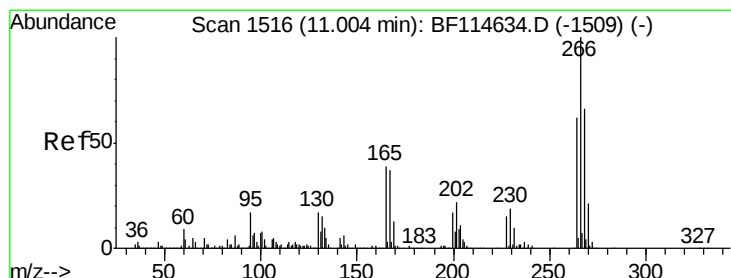
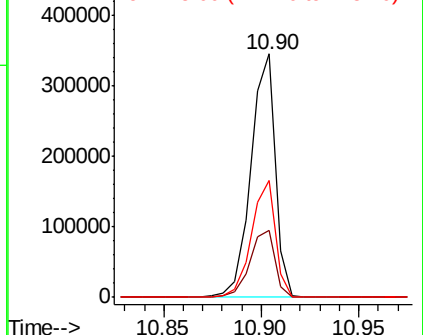
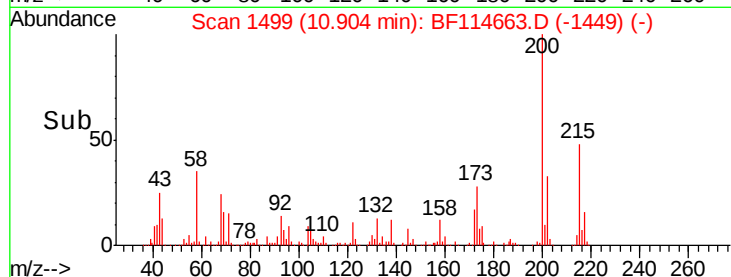


Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 22.289 ng

RT: 11.00 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

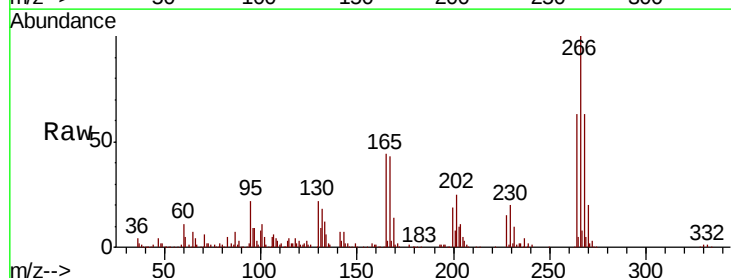
Tgt Ion:266 Resp: 199076

Ion Ratio Lower Upper

266 100

268 63.0 52.8 79.2

264 62.9 49.9 74.9

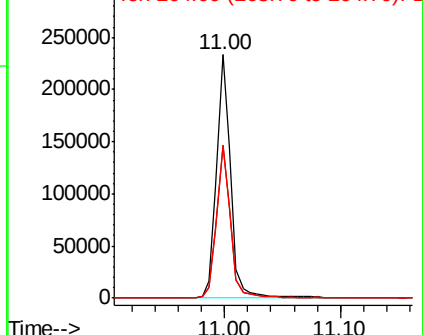
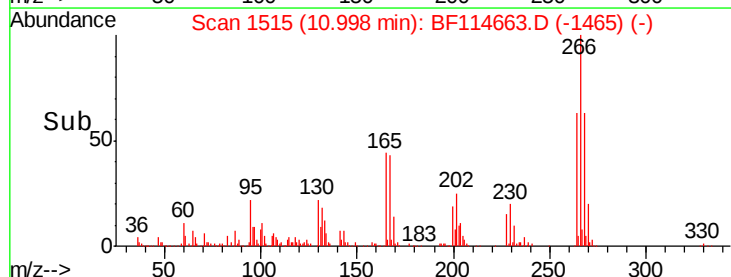


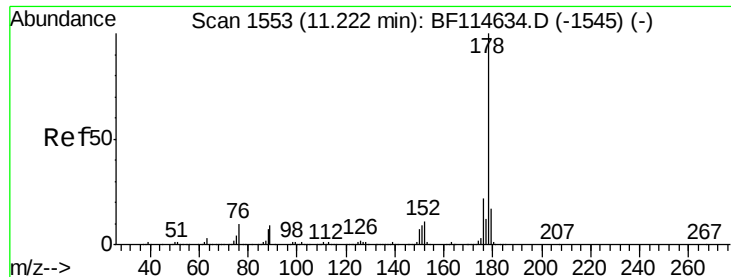
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

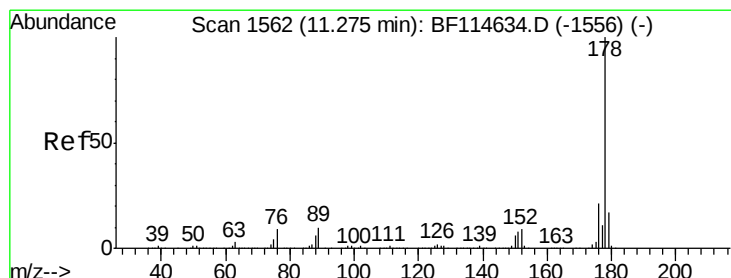
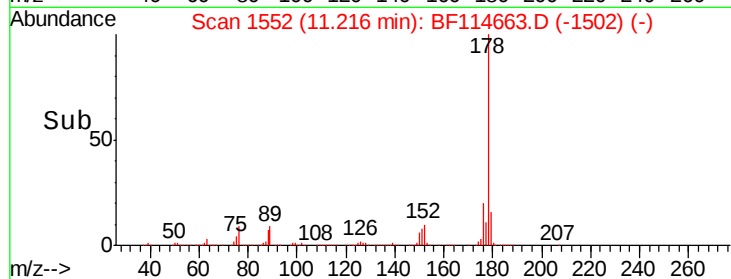
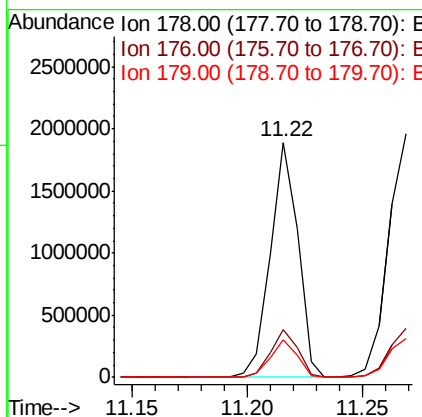
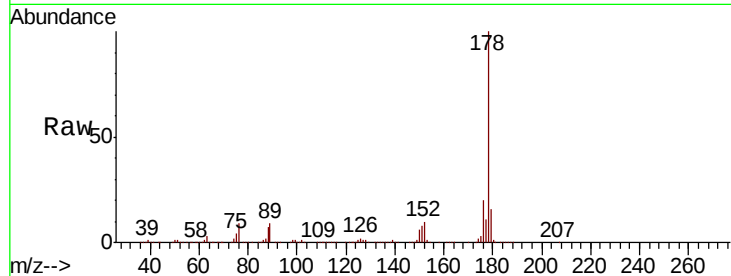




#71
Phenanthrene
Concen: 23.100 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

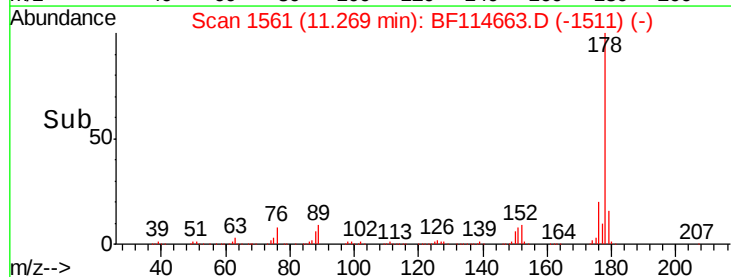
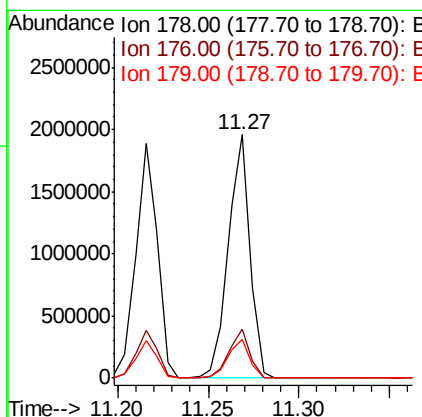
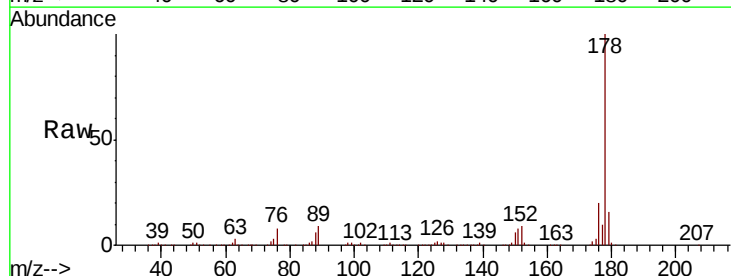
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

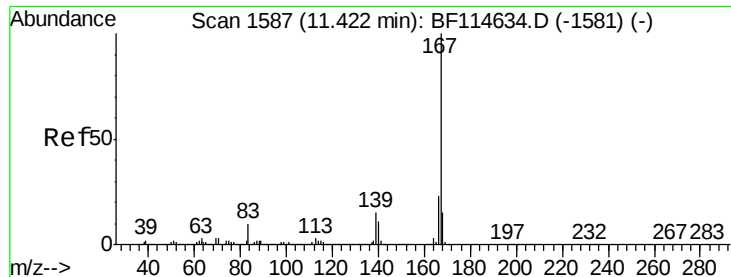
Tot Ion:178 Resp: 1571910
Ion Ratio Lower Upper
178 100
176 20.3 17.2 25.8
179 16.2 13.9 20.9



#72
Anthracene
Concen: 23.733 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:178 Resp: 1634536
Ion Ratio Lower Upper
178 100
176 19.9 16.6 24.8
179 16.2 13.4 20.0

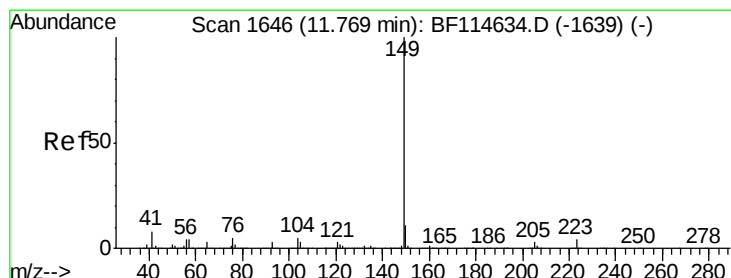
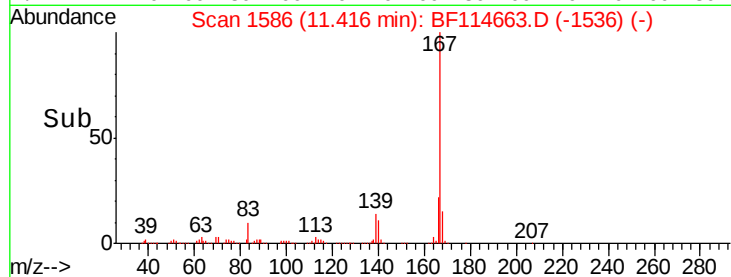
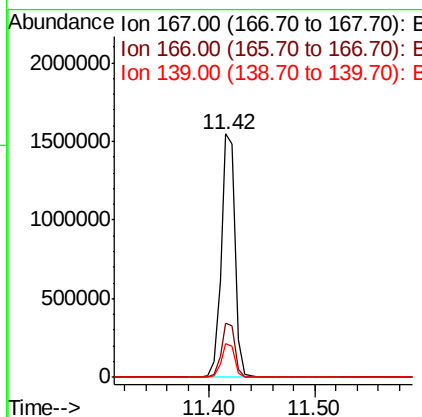
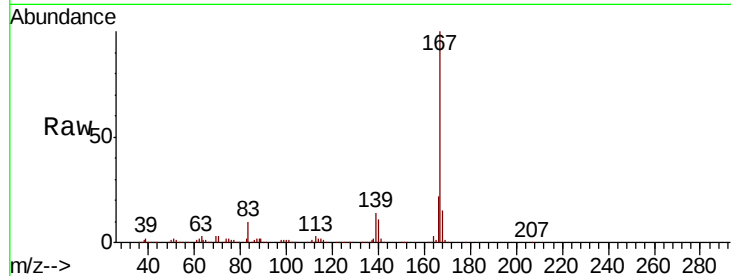




#73
 Carbazole
 Concen: 23.602 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

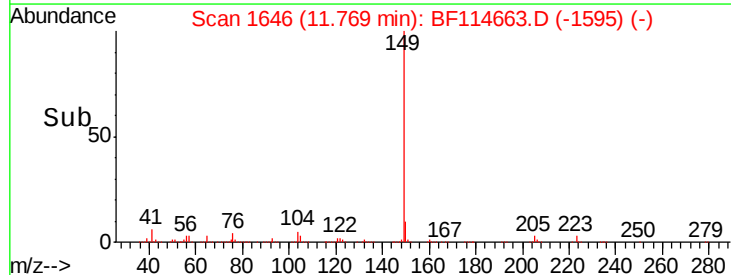
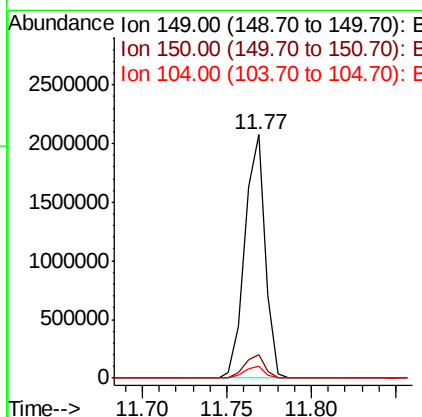
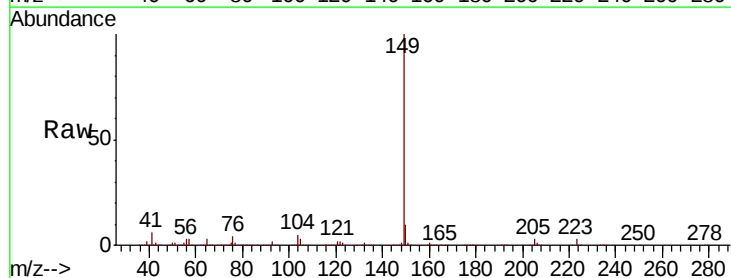
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

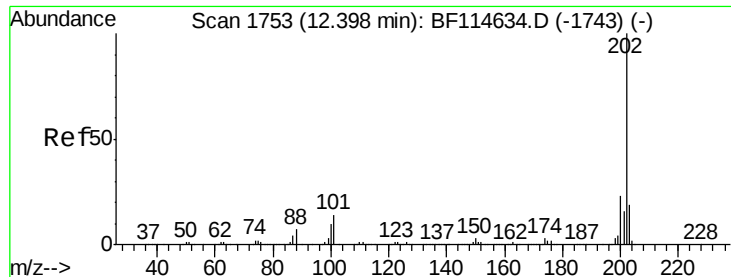
Tot Ion:167 Resp: 1428585
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.7 28.1
 139 13.9 11.8 17.8



#74
 Di-n-butylphthalate
 Concen: 23.767 ng
 RT: 11.77 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: BF114663.D
 Acq: 30 May 2019 16:29

Tgt Ion:149 Resp: 1747850
 Ion Ratio Lower Upper
 149 100
 150 9.6 8.6 12.8
 104 4.7 4.3 6.5





#75

Fluoranthene

Concen: 23.026 ng

RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

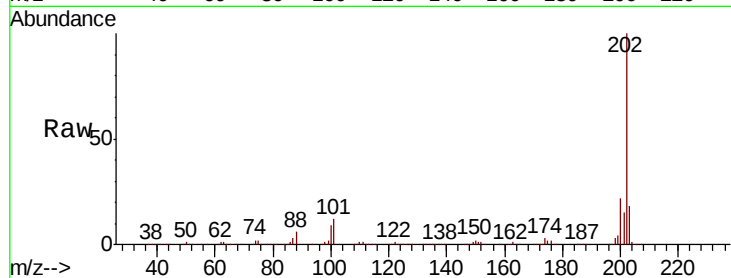
Tot Ion:202 Resp: 1622478

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.9

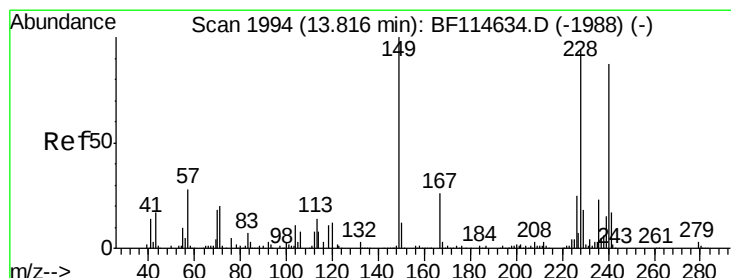
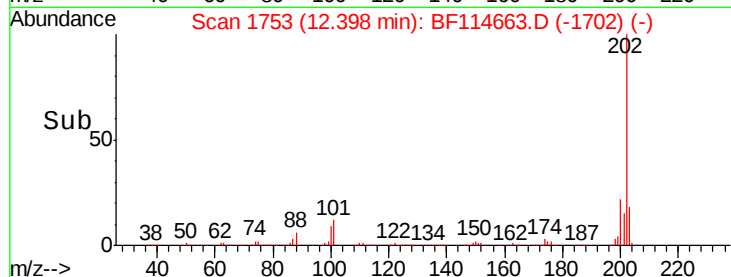
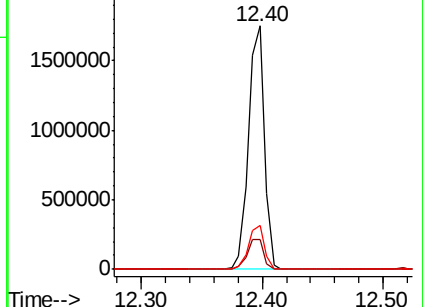
203 18.3 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

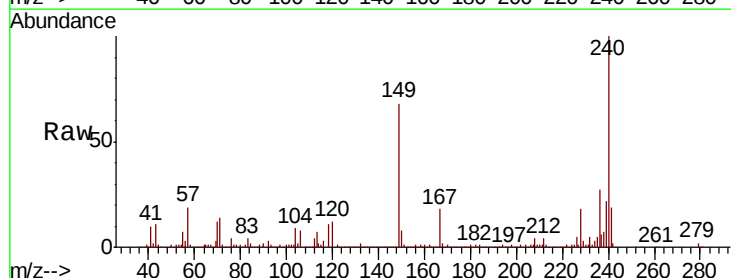
Tgt Ion:240 Resp: 968482

Ion Ratio Lower Upper

240 100

120 12.3 11.2 16.8

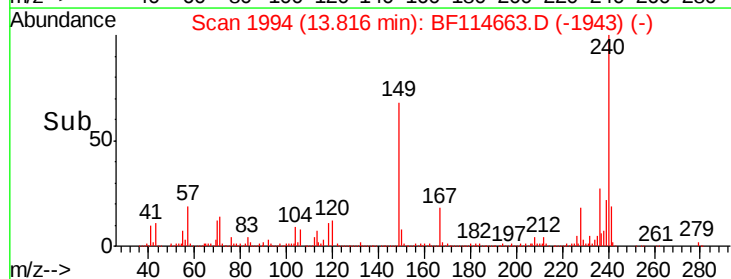
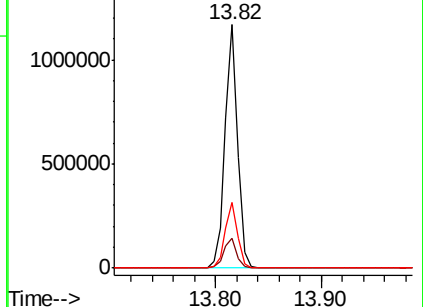
236 27.0 21.2 31.8

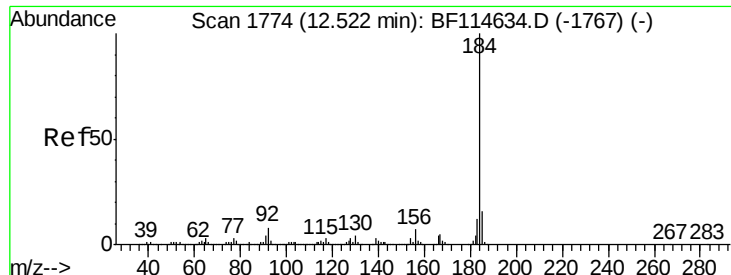


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 23.917 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

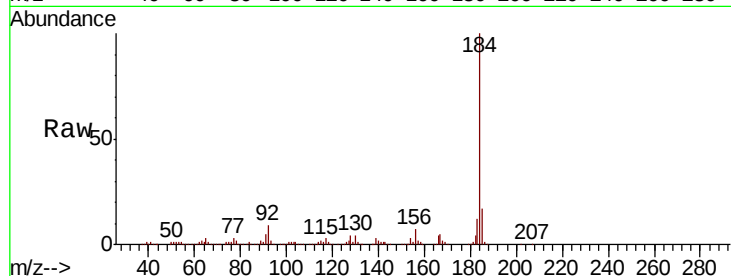
Tot Ion:184 Resp: 953825

Ion Ratio Lower Upper

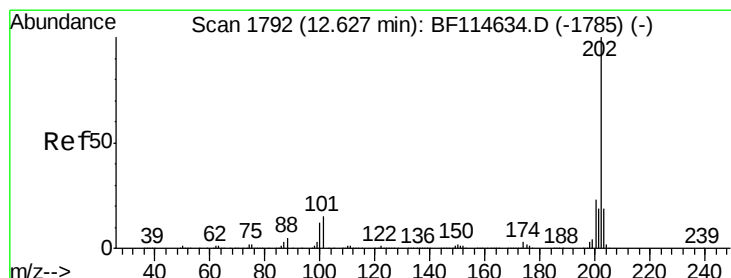
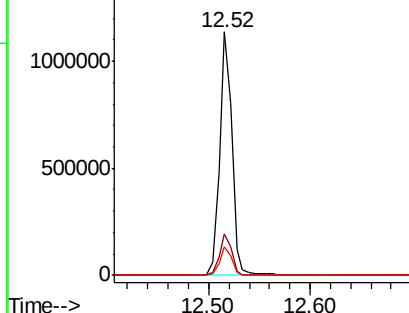
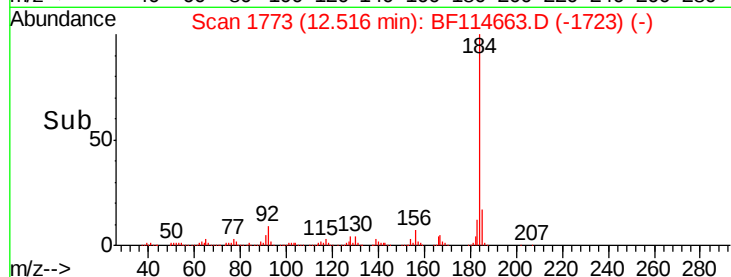
184 100

185 17.0 12.6 18.8

183 11.9 9.4 14.2



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: 20.138 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

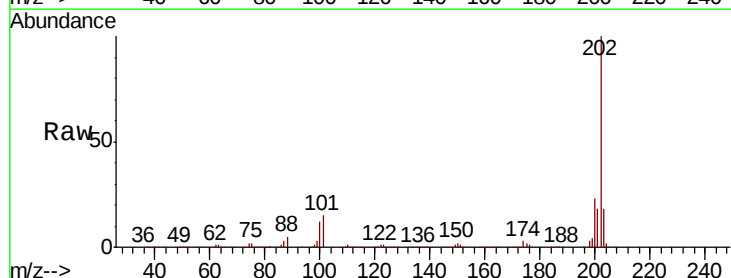
Tgt Ion:202 Resp: 1649865

Ion Ratio Lower Upper

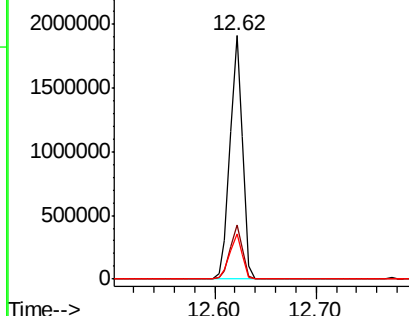
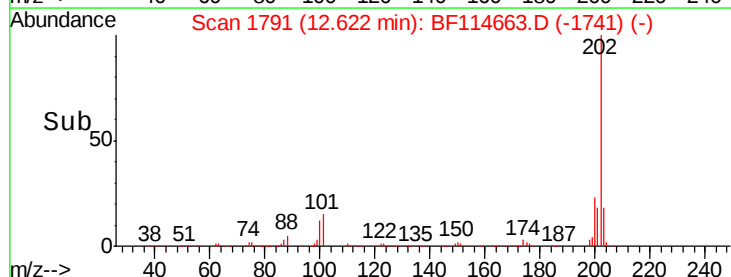
202 100

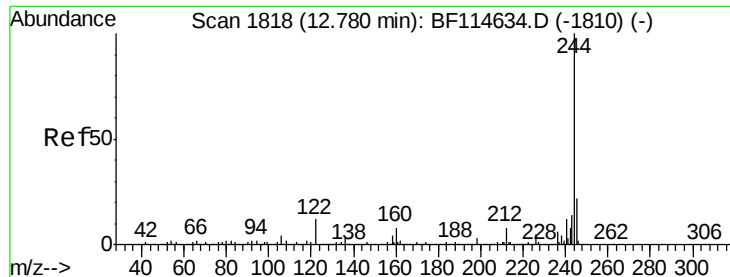
200 22.5 18.6 28.0

203 18.4 15.4 23.2



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: 54.055 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

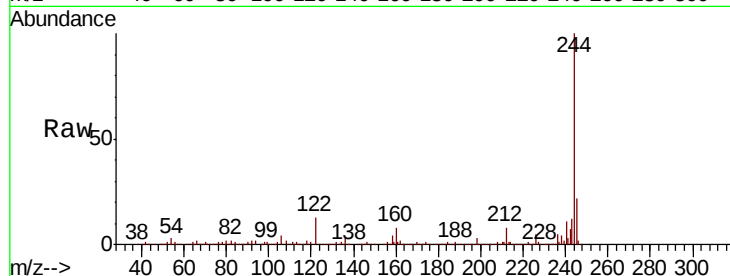
Tot Ion:244 Resp: 2784442

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

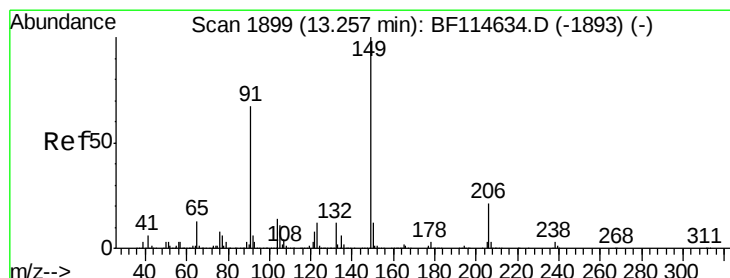
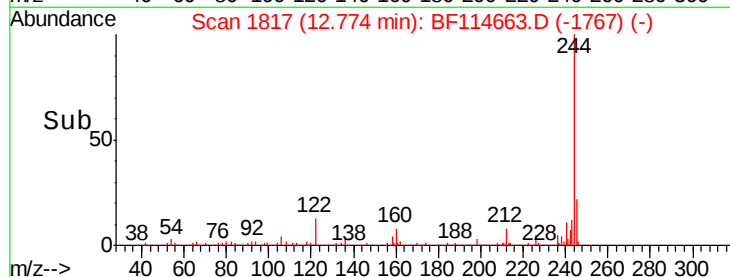
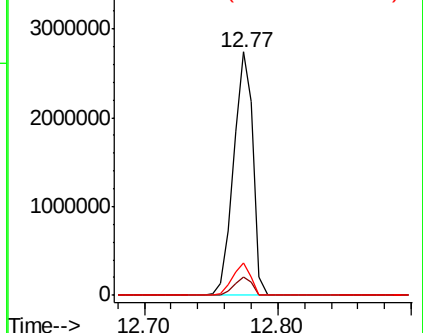
122 13.1 9.8 14.8



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: 18.089 ng

RT: 13.25 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

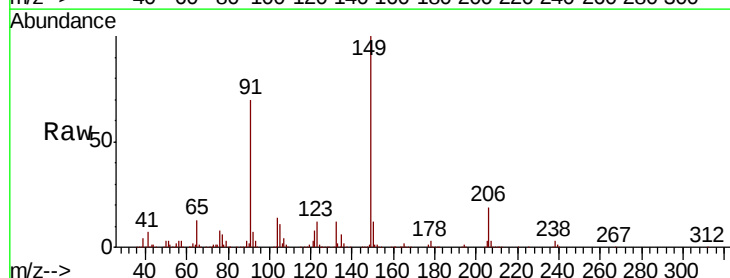
Tgt Ion:149 Resp: 744768

Ion Ratio Lower Upper

149 100

91 70.0 53.8 80.8

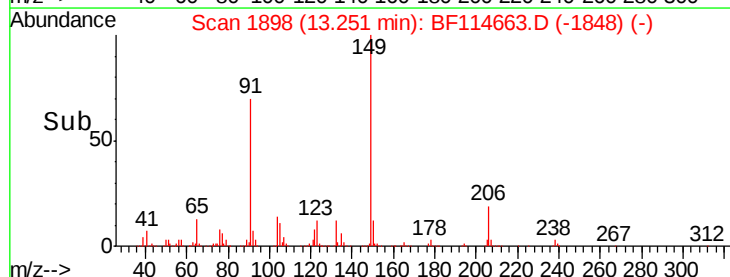
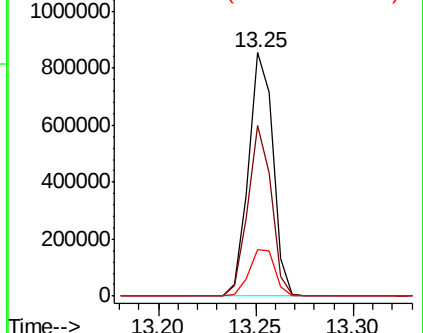
206 19.0 16.9 25.3

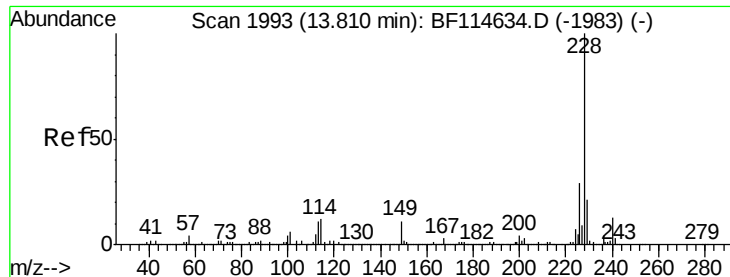


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 19.809 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

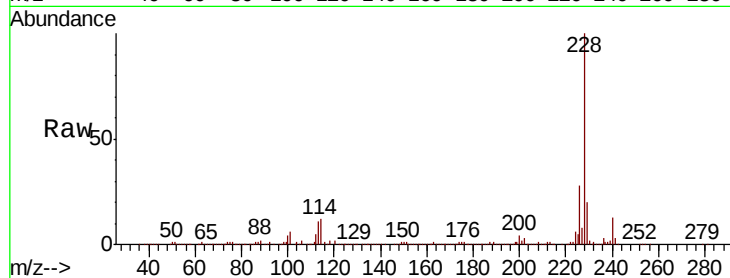
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:228 Resp: 1474254

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.0	34.6
229	20.4	17.0	25.4

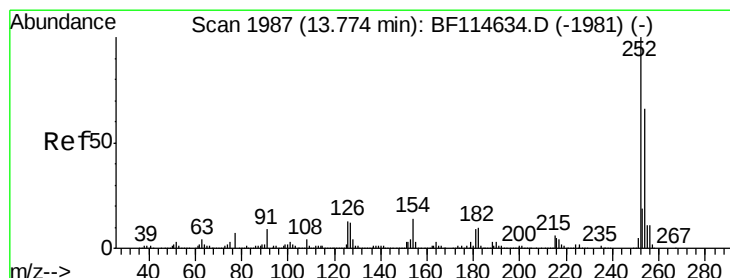
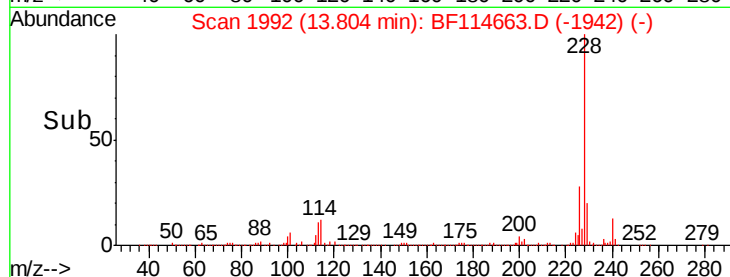
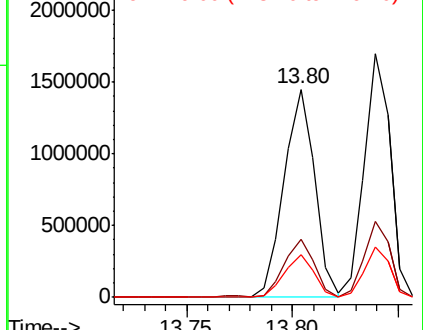


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 20.634 ng

RT: 13.77 min Scan# 1986

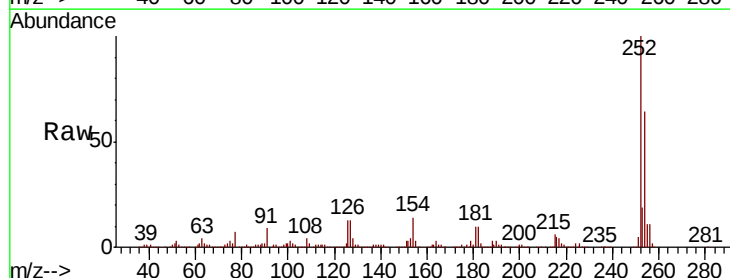
Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Tgt Ion:252 Resp: 593067

Ion	Ratio	Lower	Upper
252	100		
254	63.9	53.1	79.7
126	13.0	10.2	15.2

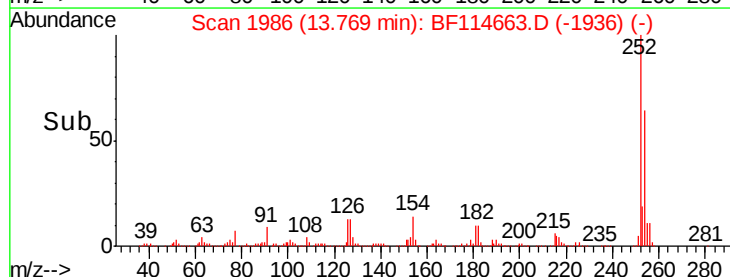
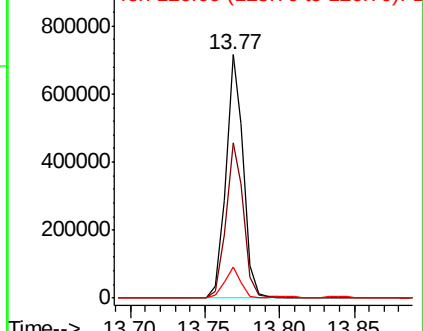


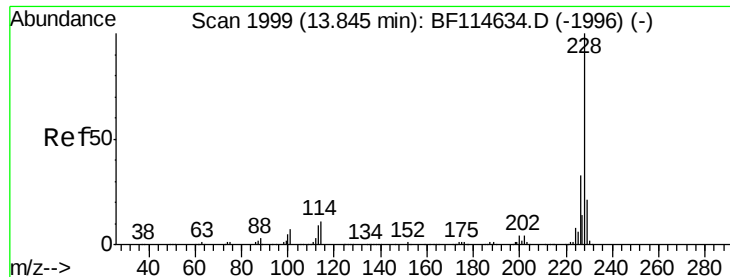
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 20.656 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

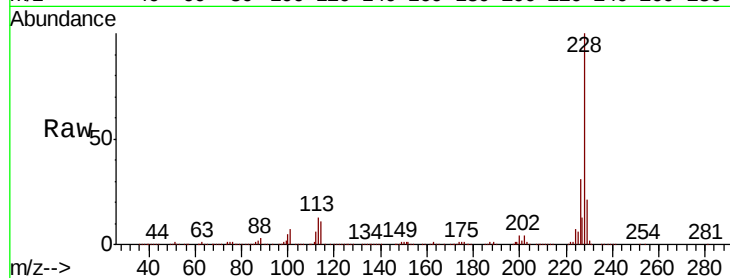
Tot Ion:228 Resp: 1468789

Ion Ratio Lower Upper

228 100

226 31.0 26.4 39.6

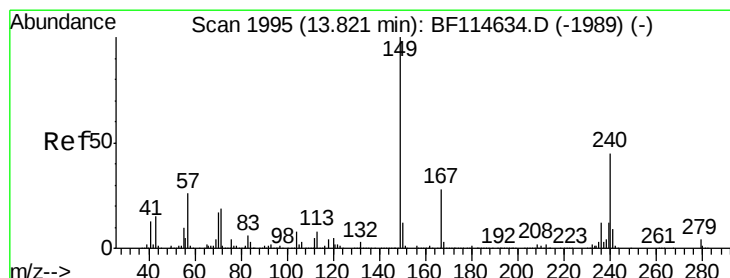
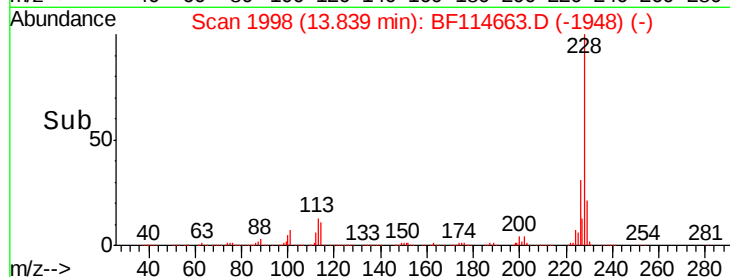
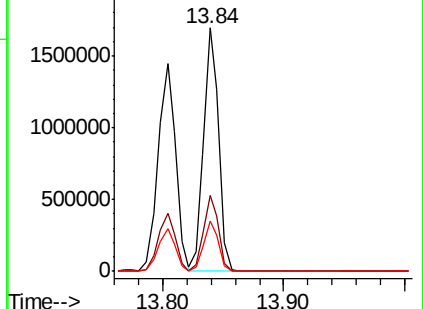
229 20.7 17.1 25.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 19.933 ng

RT: 13.82 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

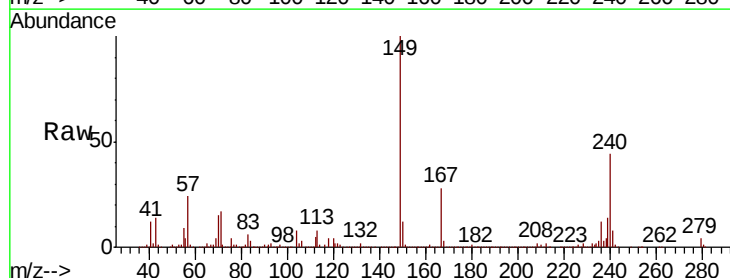
Tgt Ion:149 Resp: 1014645

Ion Ratio Lower Upper

149 100

167 27.8 22.6 33.8

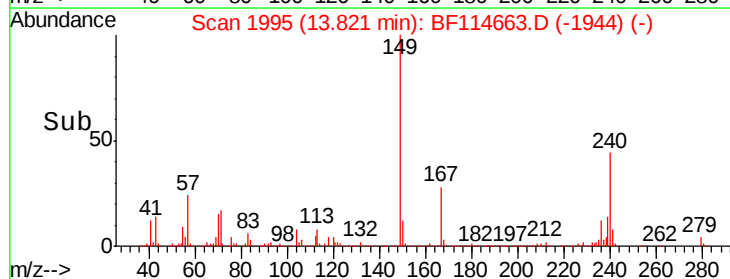
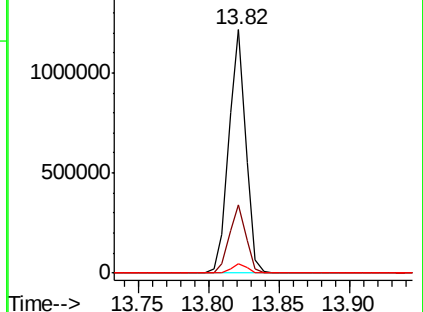
279 3.9 3.0 4.4

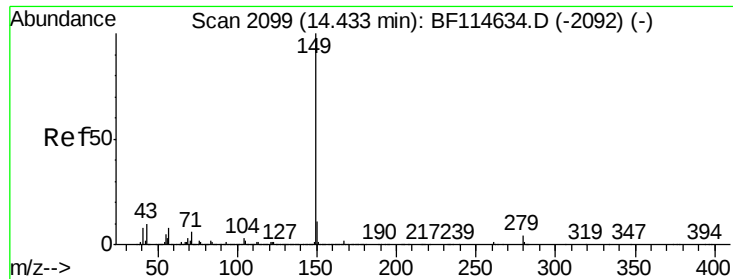


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

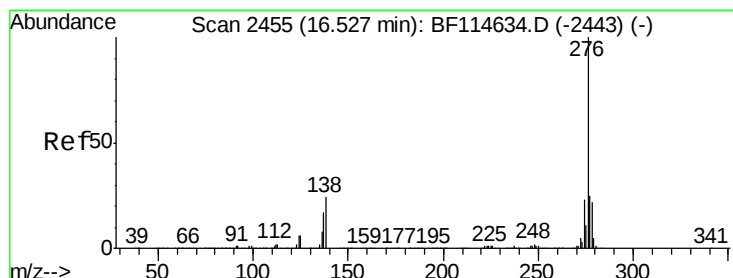
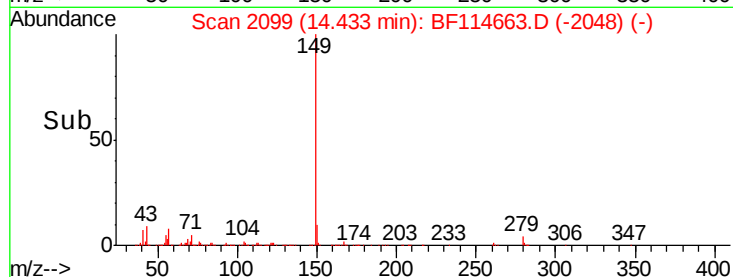
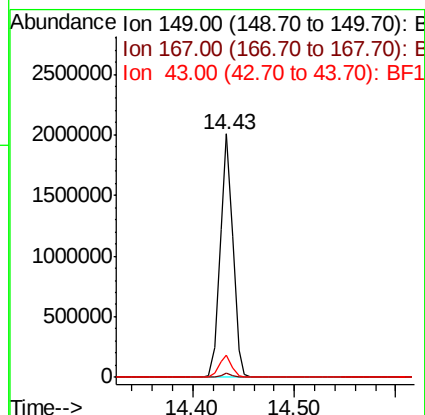
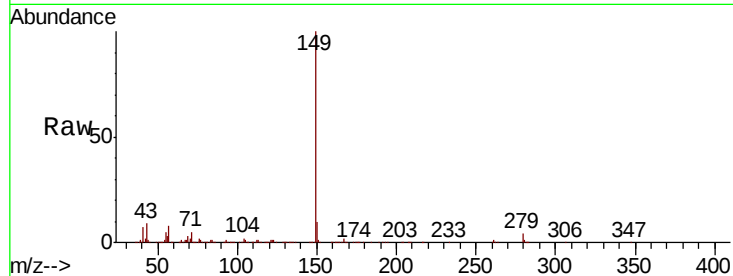




#85
Di-n-octyl phthalate
Concen: 19.650 ng
RT: 14.43 min Scan# 2099
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

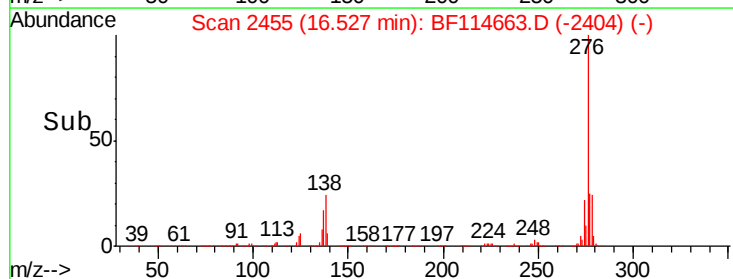
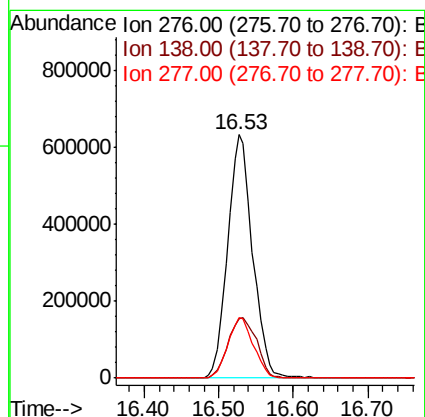
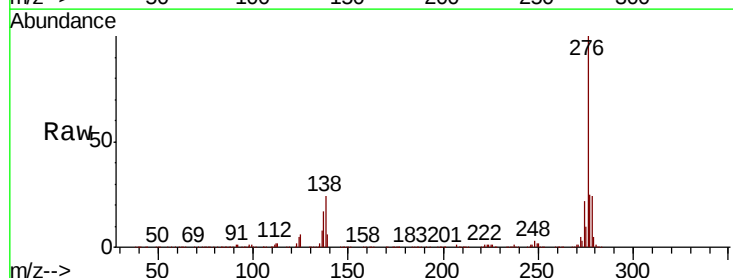
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2019

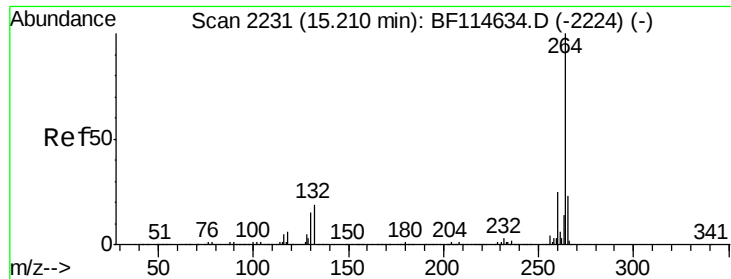
Tot Ion:149 Resp: 1737854
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.9 8.0 12.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 20.678 ng
RT: 16.53 min Scan# 2455
Delta R.T. 0.00 min
Lab File: BF114663.D
Acq: 30 May 2019 16:29

Tgt Ion:276 Resp: 1472649
Ion Ratio Lower Upper
276 100
138 28.8 23.0 34.6
277 25.6 20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

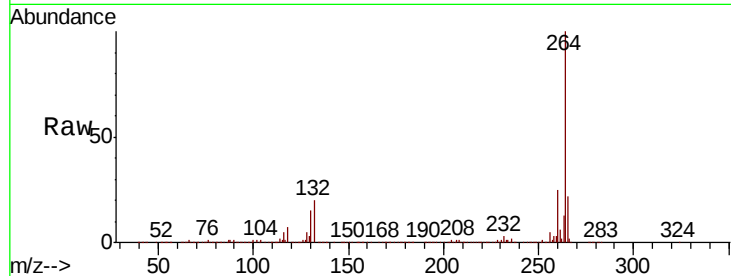
Tot Ion:264 Resp: 1096364

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.5	18.1	27.1

264 100

260 24.8 19.7 29.5

265 22.5 18.1 27.1

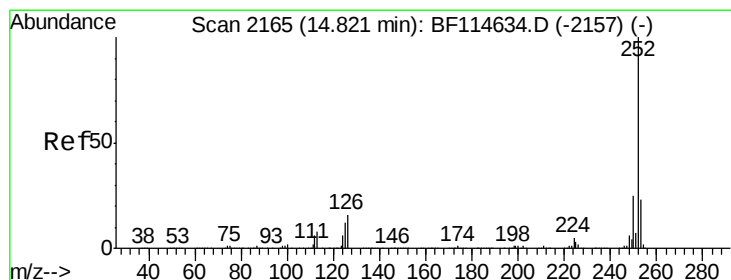
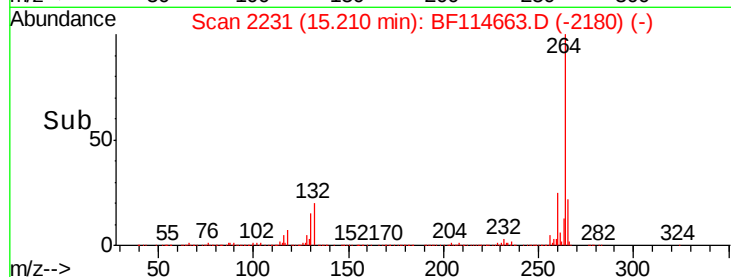
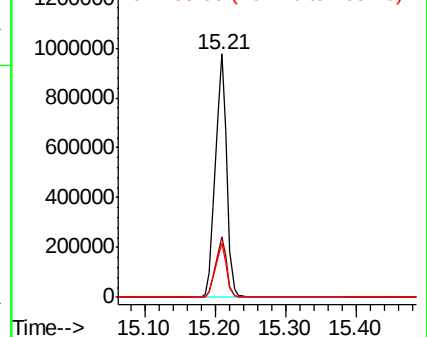


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 21.835 ng

RT: 14.82 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

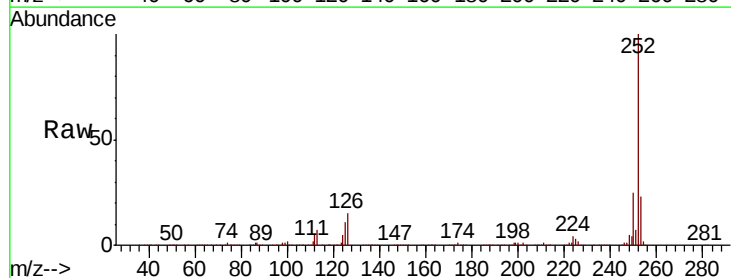
Tgt Ion:252 Resp: 1507755

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.7	28.1
125	10.9	9.4	14.2

252 100

253 22.6 18.7 28.1

125 10.9 9.4 14.2

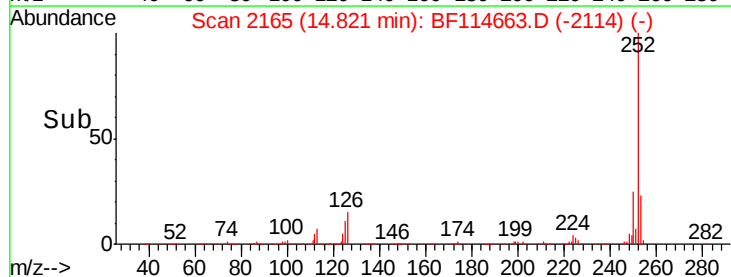
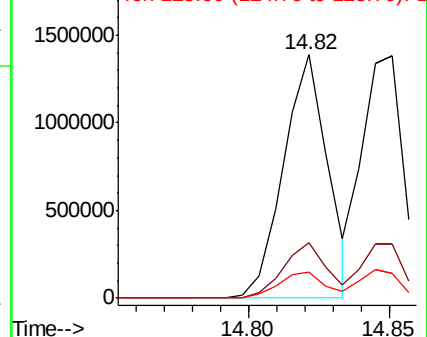


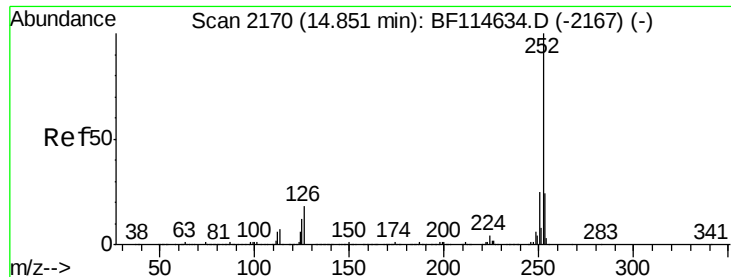
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 23.676 ng

RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

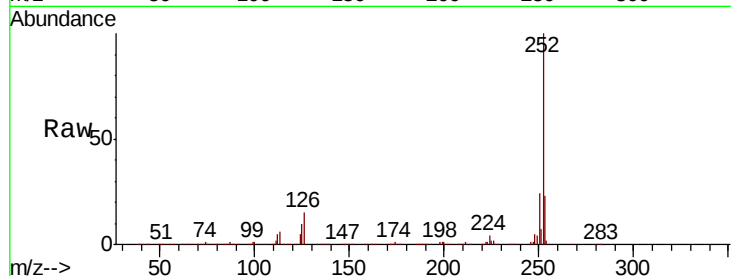
Tot Ion:252 Resp: 1421032

Ion Ratio Lower Upper

252 100

253 22.7 18.9 28.3

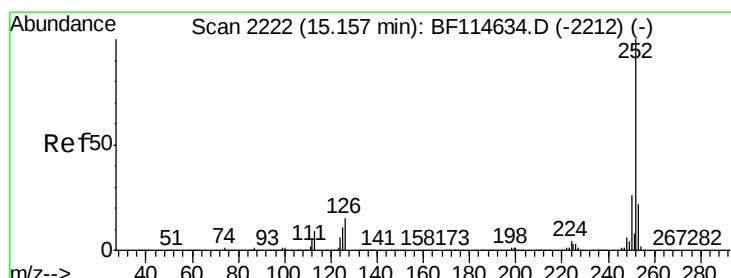
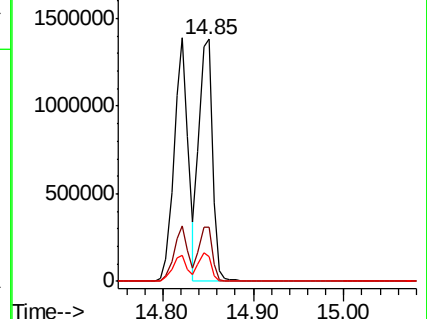
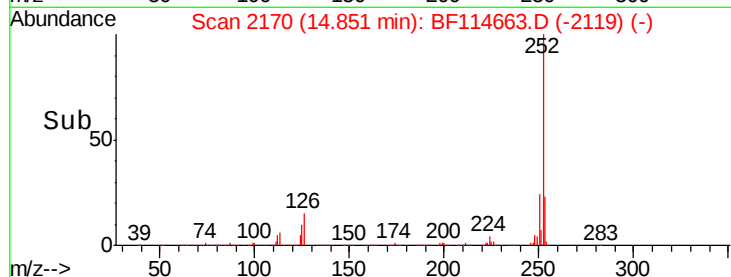
125 10.1 9.5 14.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 23.075 ng

RT: 15.15 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

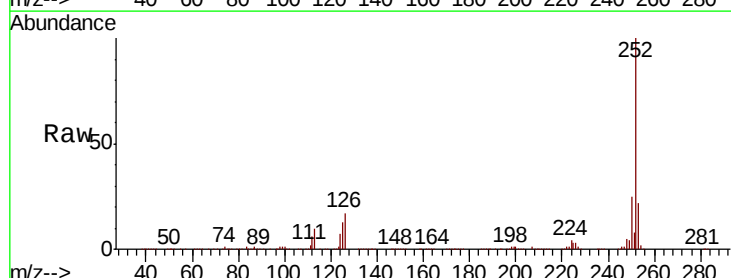
Tgt Ion:252 Resp: 1399820

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

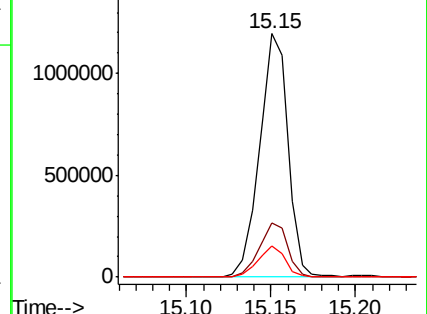
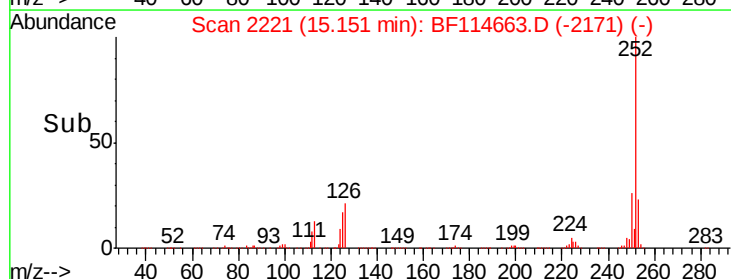
125 12.9 9.2 13.8

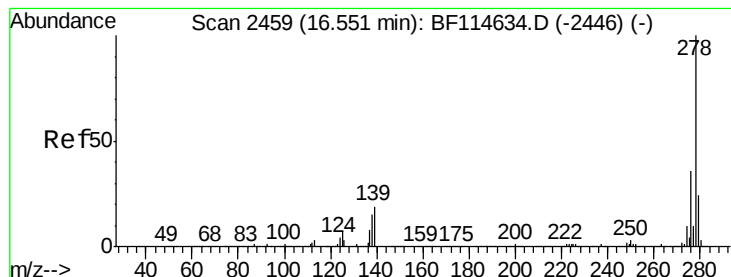


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 23.215 ng

RT: 16.55 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2019

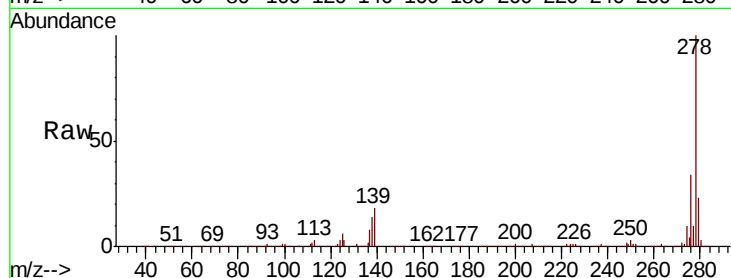
Tot Ion:278 Resp: 1244417

Ion Ratio Lower Upper

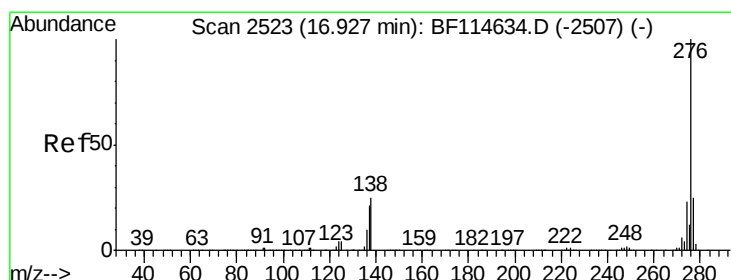
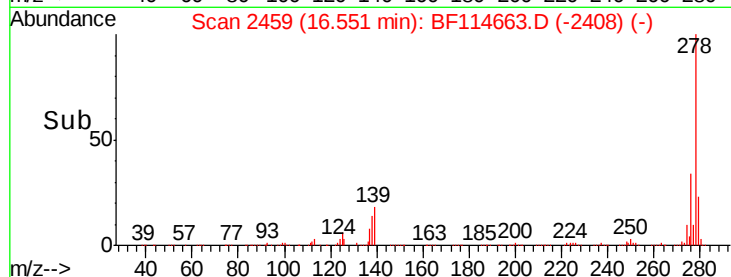
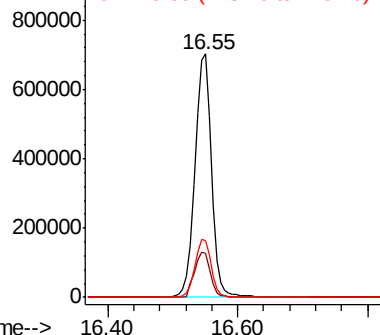
278 100

139 17.9 14.9 22.3

279 23.2 19.5 29.3



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: 22.761 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.01 min

Lab File: BF114663.D

Acq: 30 May 2019 16:29

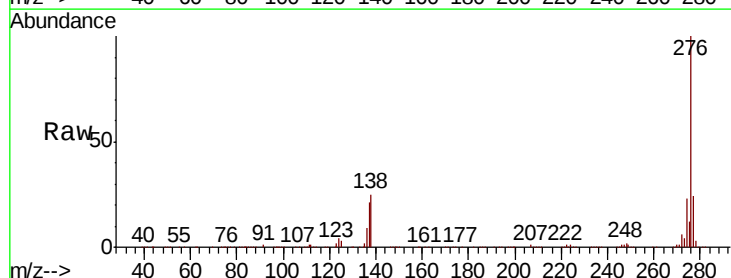
Tgt Ion:276 Resp: 1184204

Ion Ratio Lower Upper

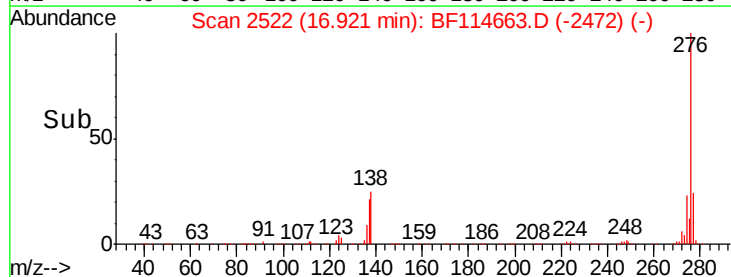
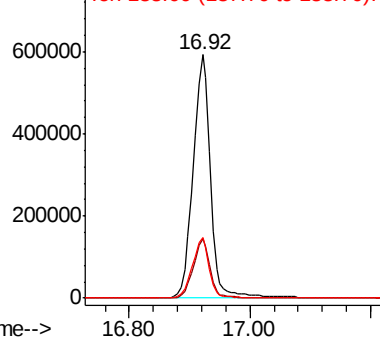
276 100

277 24.1 19.7 29.5

138 25.1 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114663.D
 Acq On : 30 May 2019 16:29
 Operator : HP/JU
 Sample : K2241-02
 Misc : L00-SOIL-20PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: May 31 11:31:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 31 11:26:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	375304	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1433973	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	697347	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1333977	20.00	ng	0.00
76) Chrysene-d12	13.82	240	968482	20.00	ng	0.00
87) Perylene-d12	15.21	264	1096364	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1975899	92.43	ng	0.00
7) Phenol-d6	6.33	99	2375888	92.23	ng	0.00
23) Nitrobenzene-d5	7.25	82	1362040	59.26	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	659719	99.29	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2550028	60.75	ng	0.00
79) Terphenyl-d14	12.77	244	2784442	54.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.36	88	238142	23.215	ng	98
3) Pyridine	3.05	79	599428	20.079	ng	99
4) n-Nitrosodimethylamine	2.98	42	231079	19.127	ng	93
6) Aniline	6.35	93	810068	20.819	ng	99
8) 2-Chlorophenol	6.47	128	555318	22.495	ng	97
9) Benzaldehyde	6.23	77	466605	31.747	ng	98
10) Phenol	6.34	94	688654	22.131	ng	96
11) bis(2-Chloroethyl)ether	6.43	93	514959	21.635	ng	99
12) 1,3-Dichlorobenzene	6.63	146	619635	22.031	ng	99
13) 1,4-Dichlorobenzene	6.71	146	624473	22.132	ng	98
14) 1,2-Dichlorobenzene	6.86	146	587020	22.852	ng	98
15) Benzyl Alcohol	6.83	79	452521	22.333	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.97	45	735665	20.151	ng	100
17) 2-Methylphenol	6.95	107	442711	21.203	ng	99
18) Hexachloroethane	7.21	117	221275	20.713	ng	95
19) n-Nitroso-di-n-propylamine	7.11	70	366672	20.622	ng	100
20) 3+4-Methylphenols	7.10	107	546154	22.240	ng	95
22) Acetophenone	7.10	105	766001	25.071	ng	# 98
24) Nitrobenzene	7.27	77	555454	22.750	ng	99
25) Isophorone	7.52	82	998533	21.648	ng	99
26) 2-Nitrophenol	7.59	139	264021	22.215	ng	98
27) 2,4-Dimethylphenol	7.63	122	497274	25.159	ng	97
28) bis(2-Chloroethoxy)methane	7.73	93	644060	21.934	ng	98
29) 2,4-Dichlorophenol	7.83	162	462278	22.978	ng	99
30) 1,2,4-Trichlorobenzene	7.92	180	523579	22.843	ng	100
31) Naphthalene	8.00	128	1582565	23.960	ng	97
32) Benzoic acid	7.73	122	292029	22.747	ng	95
33) 4-Chloroaniline	8.04	127	684135	21.740	ng	99
34) Hexachlorobutadiene	8.12	225	283602	22.273	ng	98
35) Caprolactam	8.39	113	143282	21.104	ng	97
36) 4-Chloro-3-methylphenol	8.52	107	459422	22.771	ng	98
37) 2-Methylnaphthalene	8.69	142	1076266	24.524	ng	98
38) 1-Methylnaphthalene	8.78	142	1021648	24.571	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.85	216	491368	26.459	ng	100

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114663.D
 Acq On : 30 May 2019 16:29
 Operator : HP/JU
 Sample : K2241-02
 Misc : L00-SOIL-20PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: May 31 11:31:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 31 11:26:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	304686	24.828	nq	98
43) 2,4,6-Trichlorophenol	8.96	196	325805	22.297	nq	98
44) 2,4,5-Trichlorophenol	8.99	196	343144	23.533	nq	98
46) 1,1'-Biphenyl	9.15	154	1345406	25.991	nq	98
47) 2-Chloronaphthalene	9.17	162	1017968	23.974	nq	98
48) 2-Nitroaniline	9.26	65	274856	20.976	nq	99
49) Acenaphthylene	9.58	152	1585411	24.168	nq	99
50) Dimethylphthalate	9.45	163	1139771	23.456	nq	100
51) 2,6-Dinitrotoluene	9.50	165	256001	22.673	nq	95
52) Acenaphthene	9.75	154	971410	24.146	nq	99
53) 3-Nitroaniline	9.66	138	289778	20.970	nq	96
54) 2,4-Dinitrophenol	9.77	184	83238	18.690	nq	97
55) Dibenzofuran	9.92	168	1391104	24.292	nq	99
56) 4-Nitrophenol	9.82	139	224455	21.918	nq	91
57) 2,4-Dinitrotoluene	9.90	165	330100	22.780	nq	91
58) Fluorene	10.26	166	1005979	26.017	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.04	232	287755	24.109	nq	100
60) Diethylphthalate	10.15	149	1129780	22.764	nq	98
61) 4-Chlorophenyl-phenylether	10.26	204	494259	25.549	nq	96
62) 4-Nitroaniline	10.27	138	271652	20.173	nq	97
63) Azobenzene	10.42	77	1057789	23.215	nq	97
65) 4,6-Dinitro-2-methylphenol	10.30	198	120320	20.341	nq	84
66) n-Nitrosodiphenylamine	10.37	169	965082	24.487	nq	99
67) 4-Bromophenyl-phenylether	10.75	248	324256	22.667	nq	97
68) Hexachlorobenzene	10.81	284	351385	22.678	nq	97
69) Atrazine	10.90	200	299385	24.109	nq	100
70) Pentachlorophenol	11.00	266	199076	22.289	nq	98
71) Phenanthrene	11.22	178	1571910	23.100	nq	97
72) Anthracene	11.27	178	1634536	23.733	nq	99
73) Carbazole	11.42	167	1428585	23.602	nq	98
74) Di-n-butylphthalate	11.77	149	1747850	23.767	nq	97
75) Fluoranthene	12.40	202	1622478	23.026	nq	97
77) Benzidine	12.52	184	953825	23.917	nq	98
78) Pyrene	12.62	202	1649865	20.138	nq	98
80) Butylbenzylphthalate	13.25	149	744768	18.089	nq	96
81) Benzo(a)anthracene	13.80	228	1474254	19.809	nq	98
82) 3,3'-Dichlorobenzidine	13.77	252	593067	20.634	nq	97
83) Chrysene	13.84	228	1468789	20.656	nq	97
84) Bis(2-ethylhexyl)phthalate	13.82	149	1014645	19.933	nq	99
85) Di-n-octyl phthalate	14.43	149	1737854	19.650	nq	97
86) Indeno(1,2,3-cd)pyrene	16.53	276	1472649	20.678	nq	100
88) Benzo(b)fluoranthene	14.82	252	1507755	21.835	nq	98
89) Benzo(k)fluoranthene	14.85	252	1421032	23.676	nq	97
90) Benzo(a)pyrene	15.15	252	1399820	23.075	nq	99
91) Dibenzo(a,h)anthracene	16.55	278	1244417	23.215	nq	98
92) Benzo(g,h,i)perylene	16.92	276	1184204	22.761	nq	99

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