

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119625.D
 Acq On : 28 Mar 2020 19:04
 Operator : CG/JU
 Sample : L2040-07
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-11986

Quant Time: Mar 29 23:19:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	294162	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1048823	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	441052	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	664907	20.00	ng	0.00
76) Chrysene-d12	14.01	240	547970	20.00	ng	0.00
87) Perylene-d12	15.47	264	503683	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1894045	102.50	ng	0.01
7) Phenol-d6	6.46	99	2406790	101.96	ng	0.00
23) Nitrobenzene-d5	7.40	82	1471974	76.27	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	444181	97.62	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2317309	77.84	ng	0.00
79) Terphenyl-d14	12.96	244	2001301	71.55	ng	0.00

Target Compounds

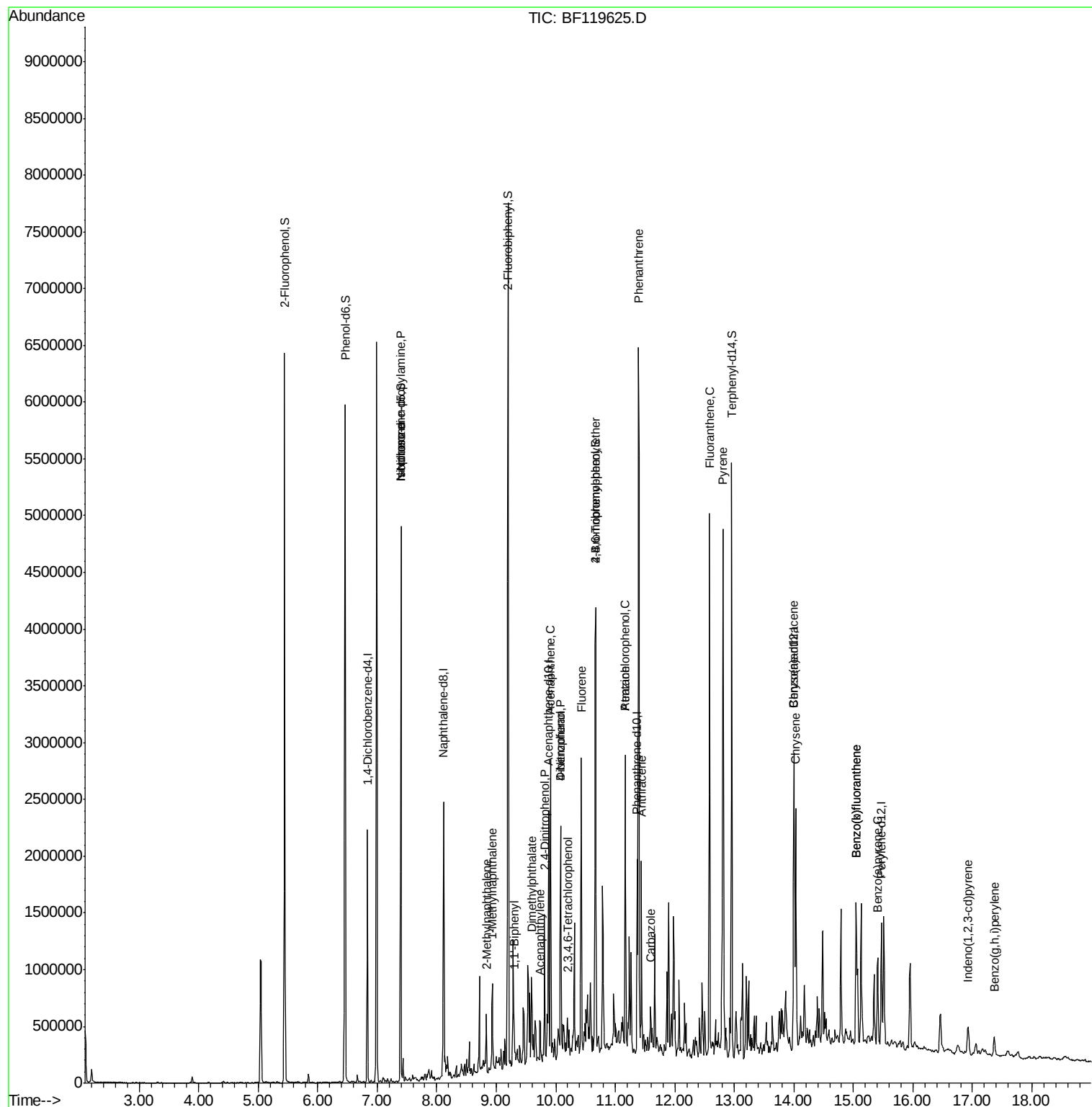
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	190408	13.38	ng	# 75
25) Isophorone	7.40	82	1463340	37.38	ng	# 65
37) 2-Methylnaphthalene	8.83	142	128701	3.63	ng	96
38) 1-Methylnaphthalene	8.93	142	185083	5.52	ng	97
46) 1,1'-Biphenyl	9.30	154	118832	3.31	ng	97
49) Acenaphthylene	9.74	152	111661	2.53	ng	98
50) Dimethylphthalate	9.59	163	210853	6.73	ng	100
52) Acenaphthene	9.91	154	499041	18.12	ng	99
54) 2,4-Dinitrophenol	9.81	184	119	7.31	ng	# 1
55) Dibenzofuran	10.08	168	663165	16.79	ng	98
56) 4-Nitrophenol	10.08	139	236611	35.38	ng	# 6
58) Fluorene	10.43	166	692046	23.70	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	16552	2.14	ng	# 53
67) 4-Bromophenyl-phenylether	10.67	248	27338	3.61	ng	# 1
69) Atrazine	11.17	200	49392	8.25	ng	# 36
70) Pentachlorophenol	11.17	266	261276	57.49	ng	98
71) Phenanthrene	11.39	178	2386381	69.22	ng	100
72) Anthracene	11.44	178	628229	17.93	ng	97
73) Carbazole	11.59	167	135484	3.91	ng	97
75) Fluoranthene	12.59	202	2103618	56.38	ng	98
78) Pyrene	12.81	202	2050341	45.59	ng	99
81) Benzo(a)anthracene	14.00	228	820004	23.01	ng	96
83) Chrysene	14.03	228	774340	21.06	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	173173	5.00	ng	97
88) Benzo(b)fluoranthene	15.04	252	948360	28.19	ng	# 98
89) Benzo(k)fluoranthene	15.04	252	948360	29.60	ng	98
90) Benzo(a)pyrene	15.41	252	373362	12.21	ng	99
92) Benzo(g,h,i)perylene	17.37	276	143548	5.34	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

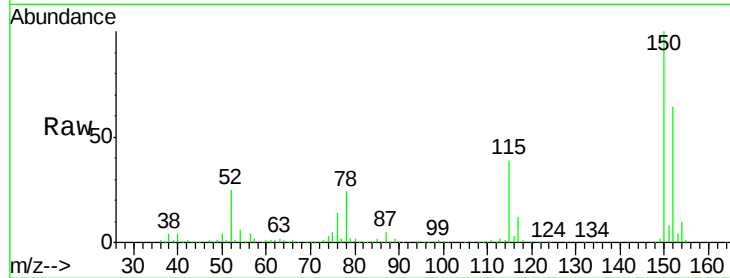
Tgt Ion:152 Resp: 294162

Ion Ratio Lower Upper

152 100

150 155.8 124.5 186.7

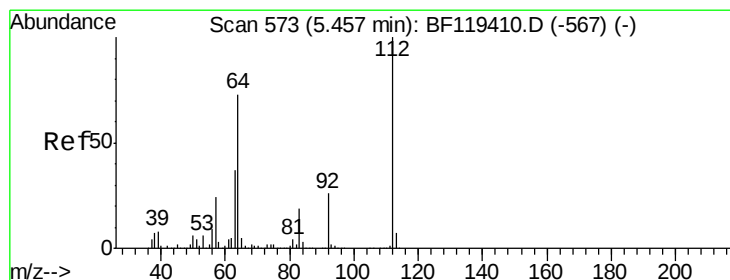
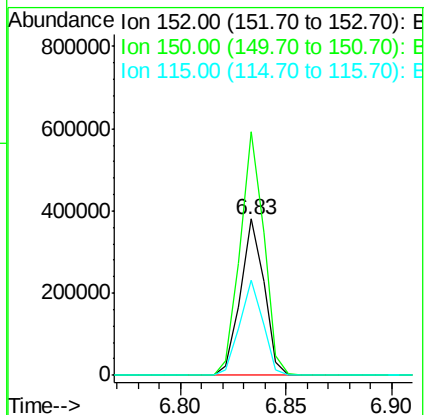
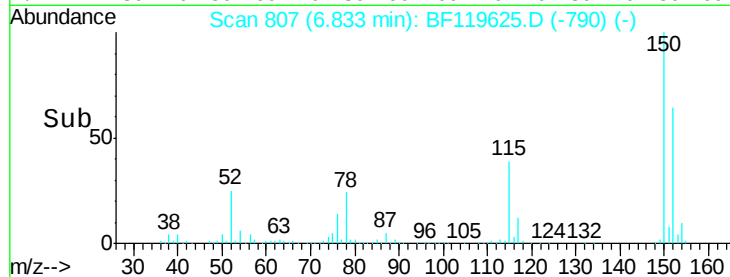
115 60.7 49.6 74.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 102.50 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

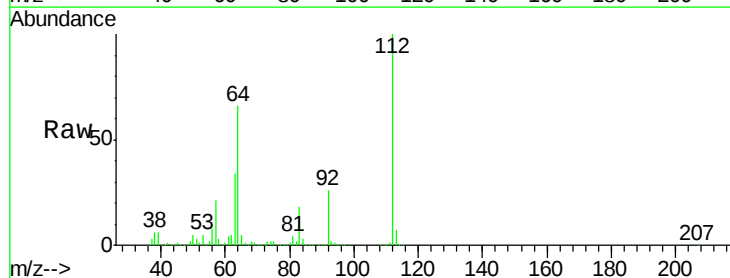
Tgt Ion:112 Resp: 1894045

Ion Ratio Lower Upper

112 100

64 65.7 56.7 85.1

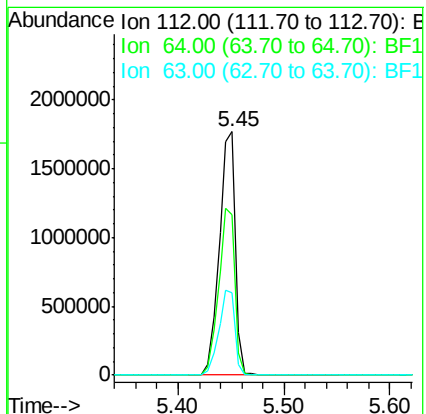
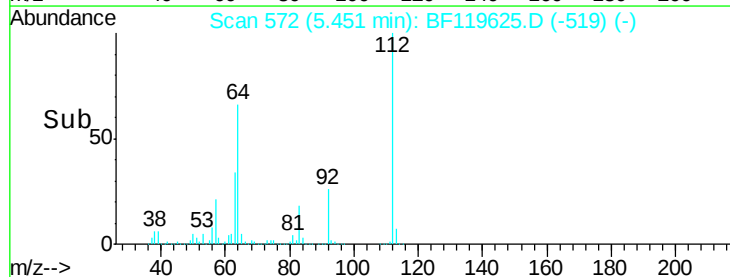
63 33.7 29.5 44.3

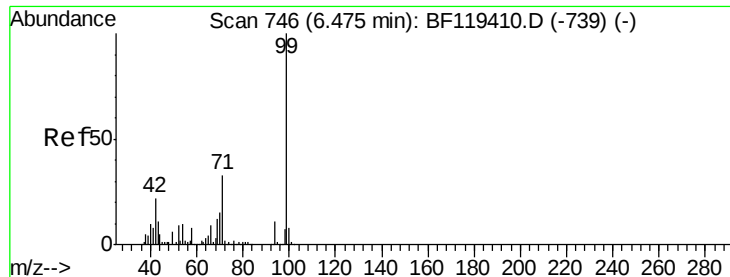


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.96 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampled :

RO-11986

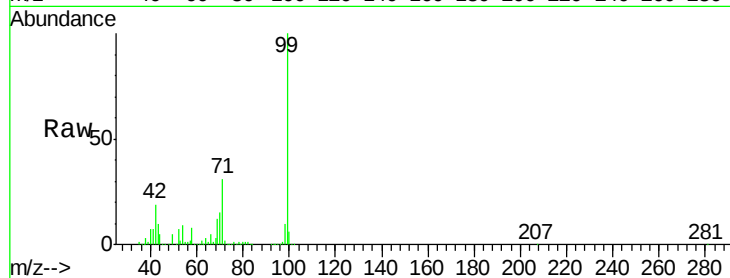
Tgt Ion: 99 Resp: 2406790

Ion Ratio Lower Upper

99 100

42 18.7 16.6 24.8

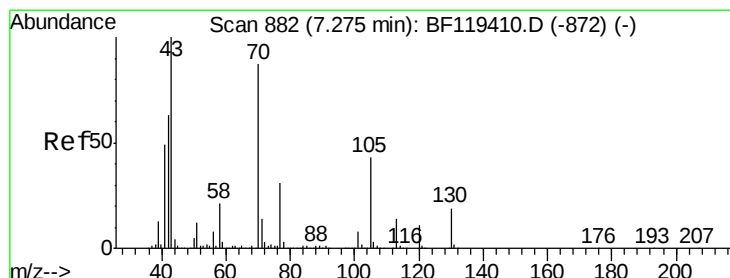
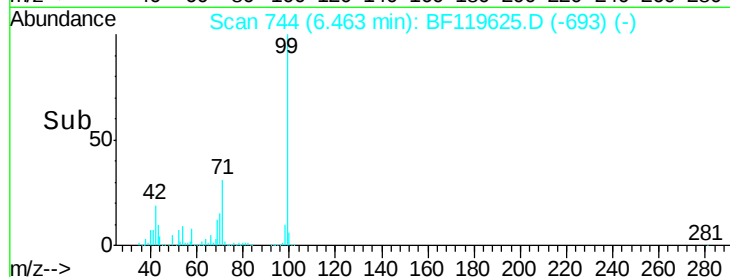
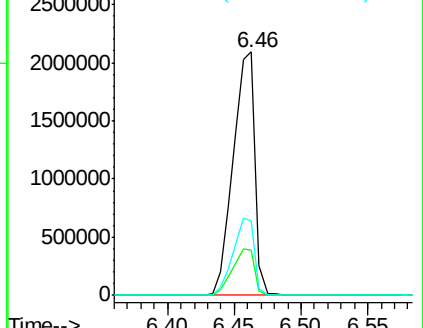
71 30.6 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.38 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Tgt Ion: 70 Resp: 190408

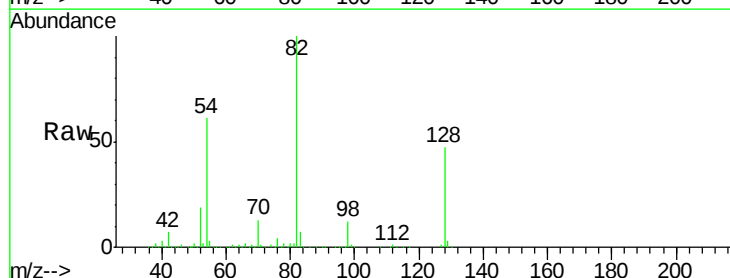
Ion Ratio Lower Upper

70 100

42 52.8 54.5 81.7#

101 0.0 7.6 11.4#

130 2.1 17.6 26.4#

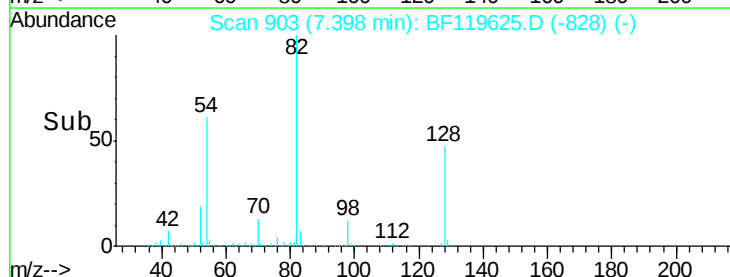
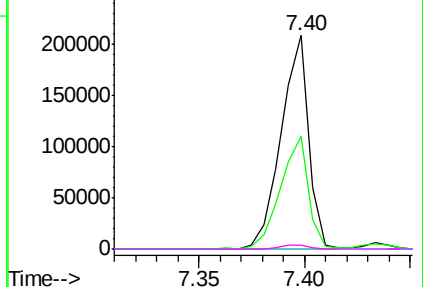


Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

Tgt Ion:136 Resp: 1048823

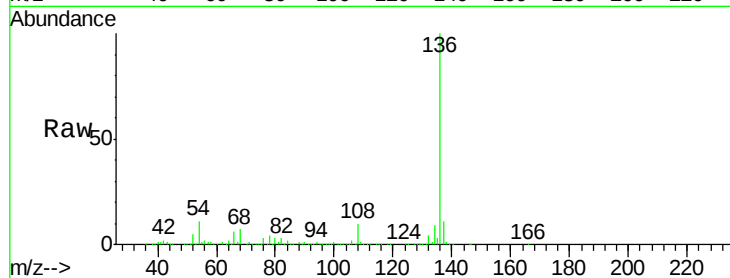
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 11.4 9.1 13.7

68 6.8 4.6 6.8

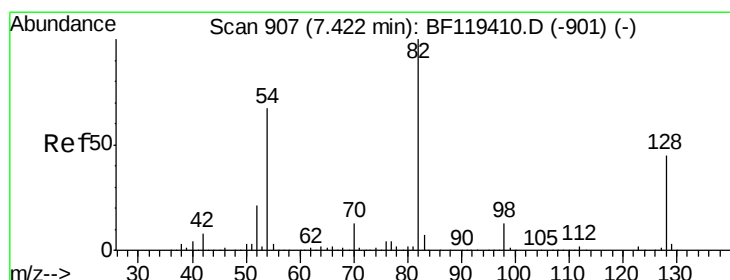
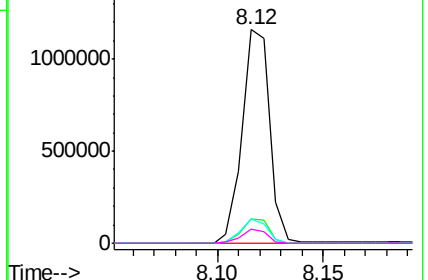
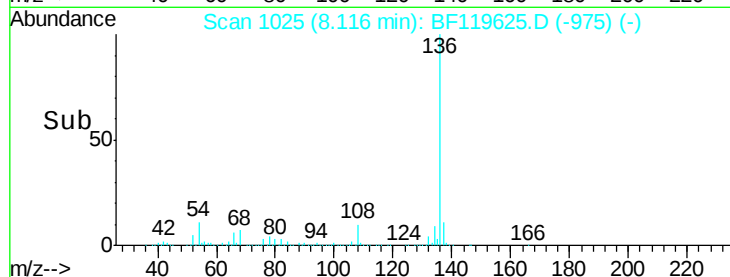


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 76.27 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

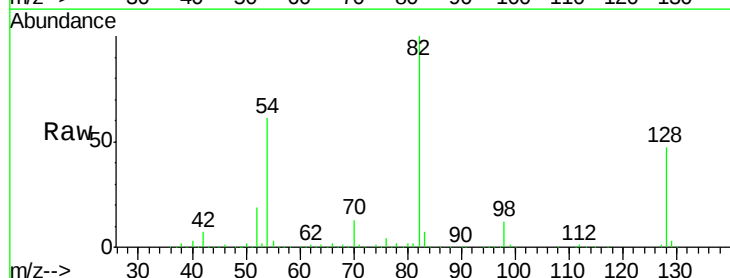
Tgt Ion: 82 Resp: 1471974

Ion Ratio Lower Upper

82 100

128 46.5 36.3 54.5

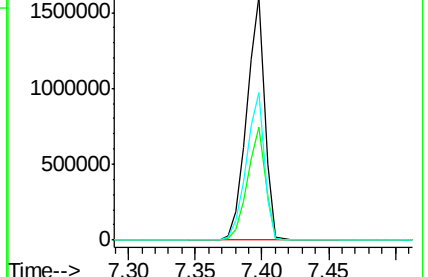
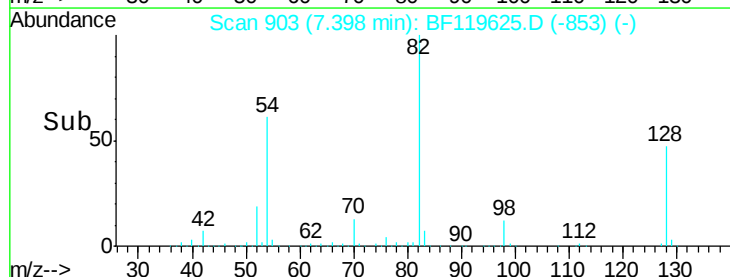
54 60.7 50.6 75.8

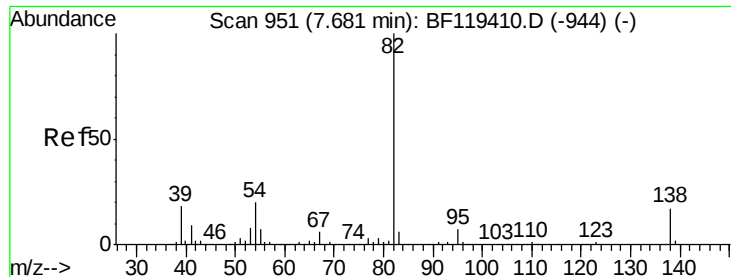


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.38 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

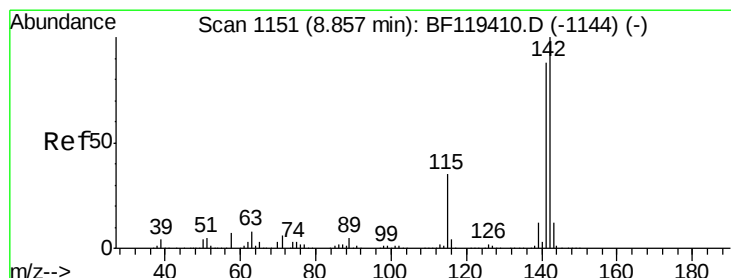
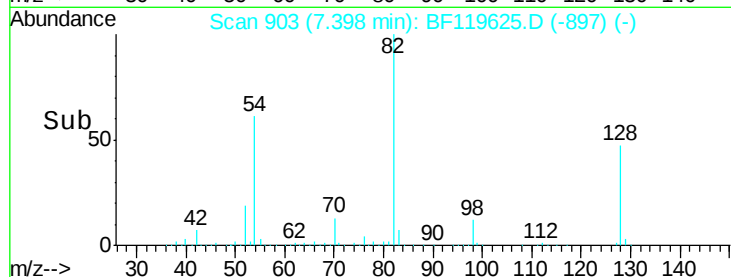
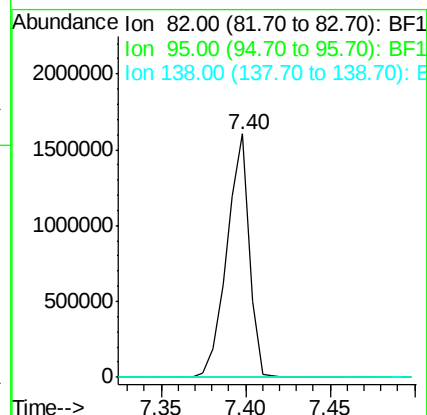
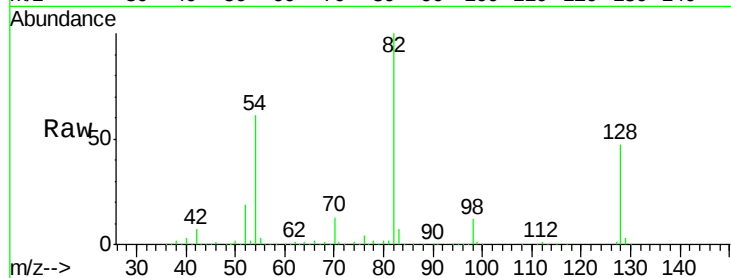
Tgt Ion: 82 Resp: 1463340

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



#37

2-Methylnaphthalene

Concen: 3.63 ng

RT: 8.83 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

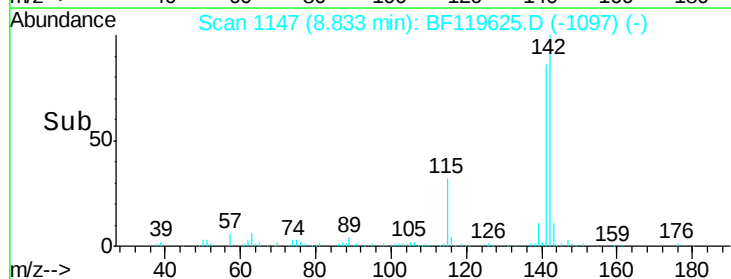
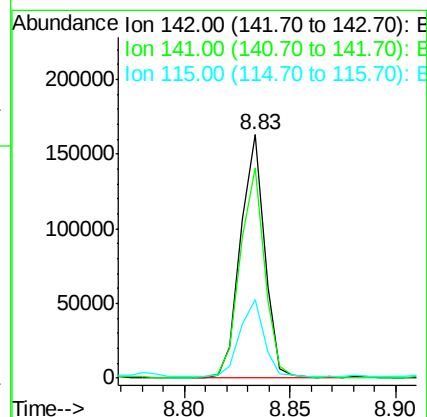
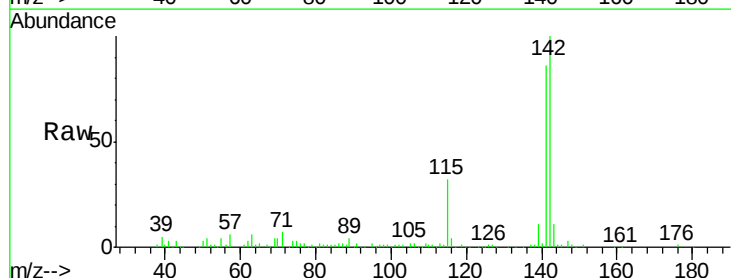
Tgt Ion: 142 Resp: 128701

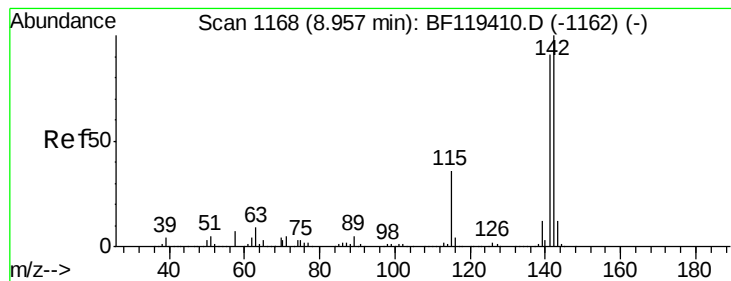
Ion Ratio Lower Upper

142 100

141 86.4 71.7 107.5

115 32.0 27.9 41.9





#38

1-Methylnaphthalene

Concen: 5.52 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

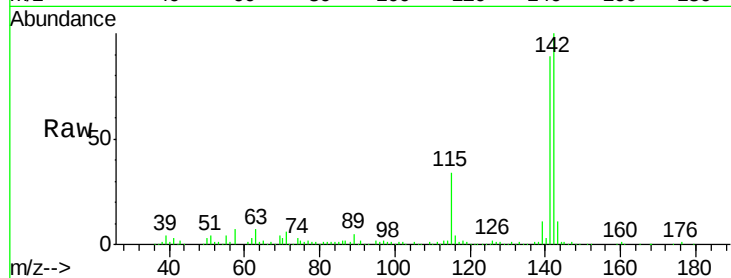
Tgt Ion:142 Resp: 185083

Ion Ratio Lower Upper

142 100

141 88.7 73.7 110.5

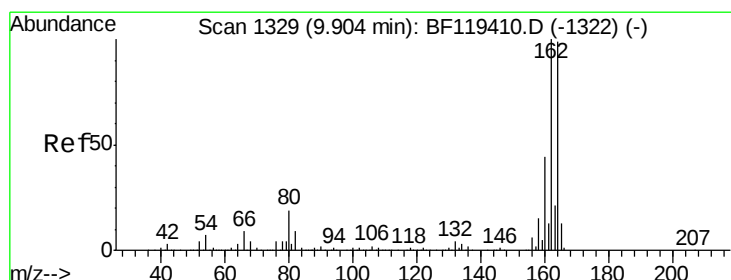
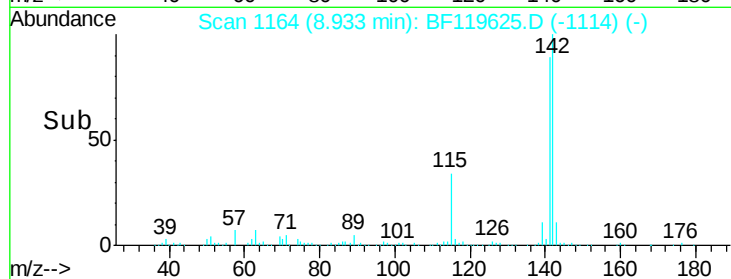
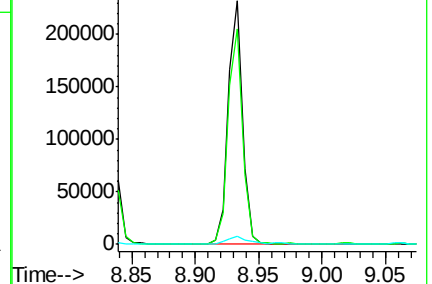
116 3.5 3.0 4.6



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: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

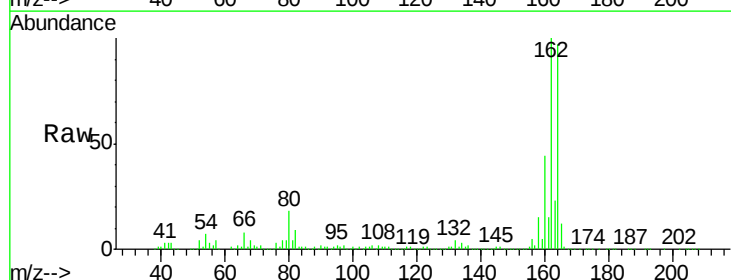
Tgt Ion:164 Resp: 441052

Ion Ratio Lower Upper

164 100

162 102.7 80.6 121.0

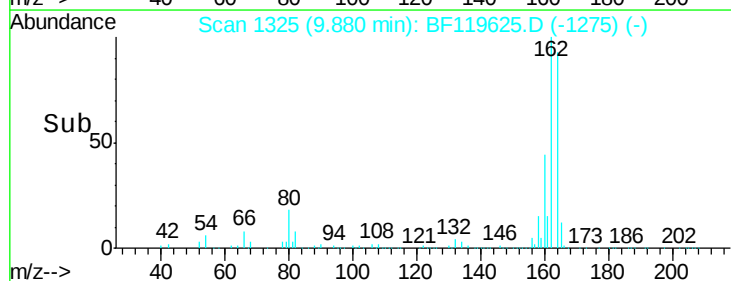
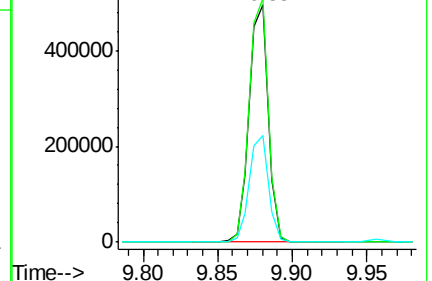
160 45.2 35.7 53.5

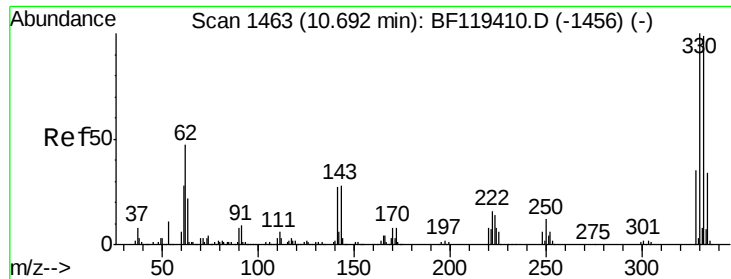


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

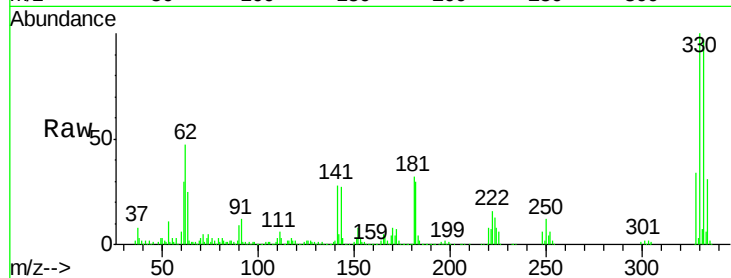




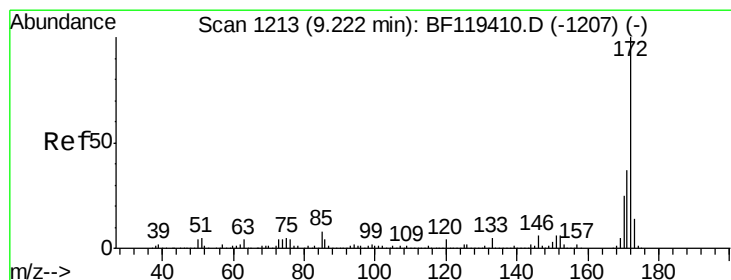
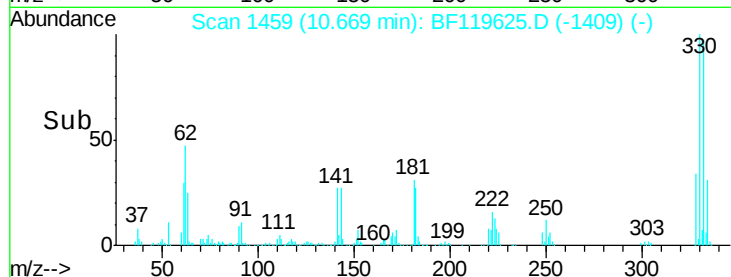
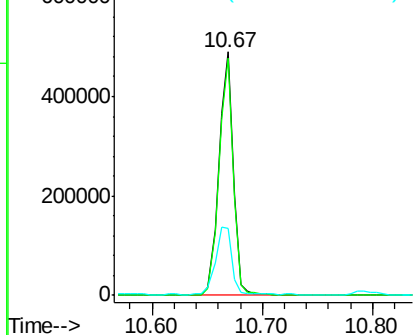
#42
 2,4,6-Tribromophenol
 Concen: 97.62 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

Instrument :
 BNA_F
 ClientSampleId :
 RO-11986

Tgt Ion:330 Resp: 444181
 Ion Ratio Lower Upper
 330 100
 332 96.7 75.7 113.5
 141 30.8 25.4 38.0

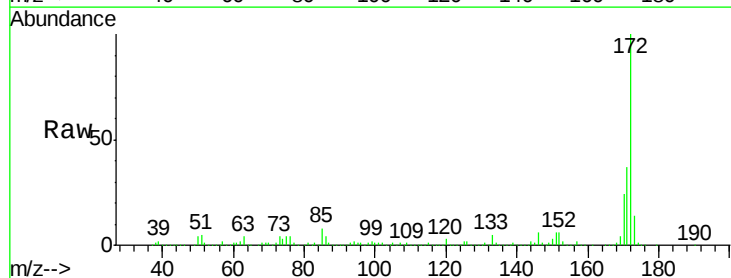


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

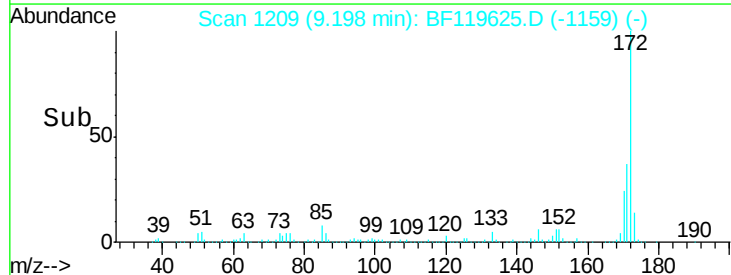
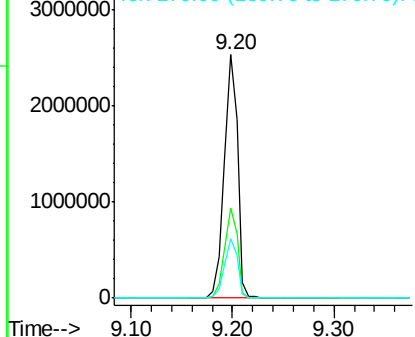


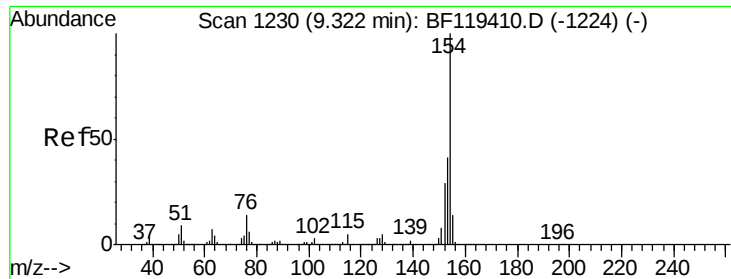
#45
 2-Fluorobiphenyl
 Concen: 77.84 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

Tgt Ion:172 Resp: 2317309
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 24.2 20.2 30.2



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

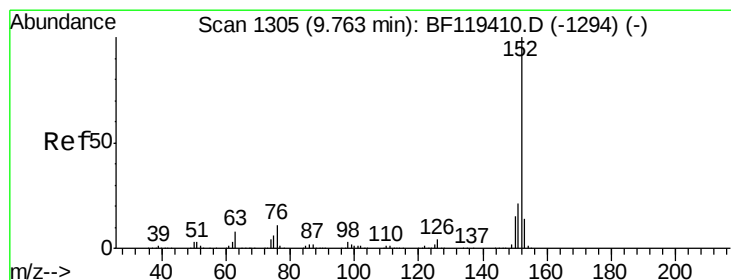
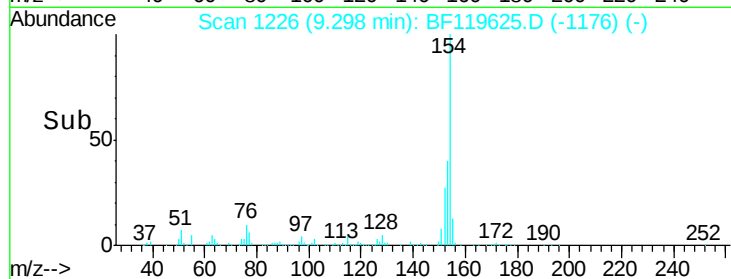
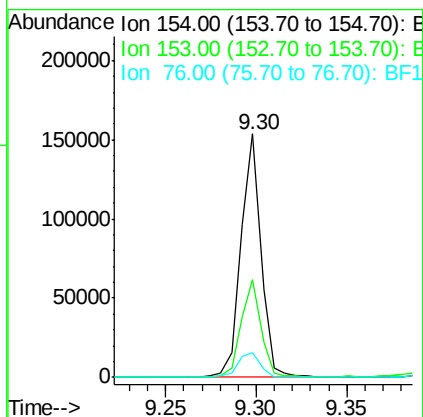
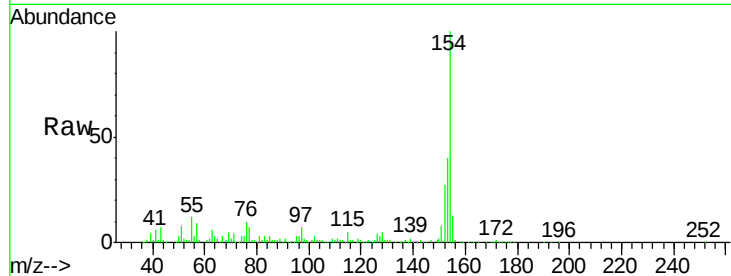




#46
 1,1'-Biphenyl
 Concen: 3.31 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

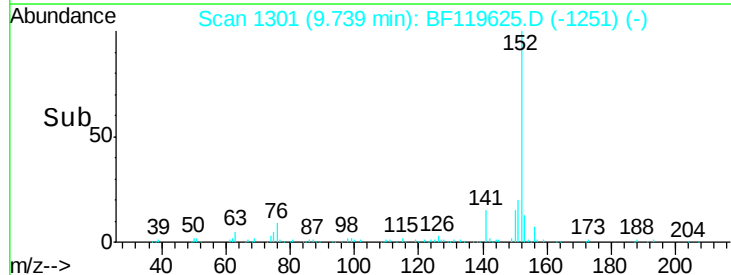
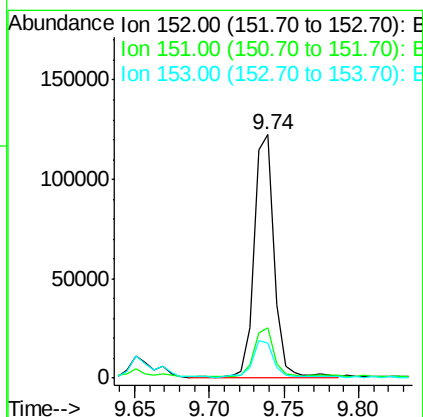
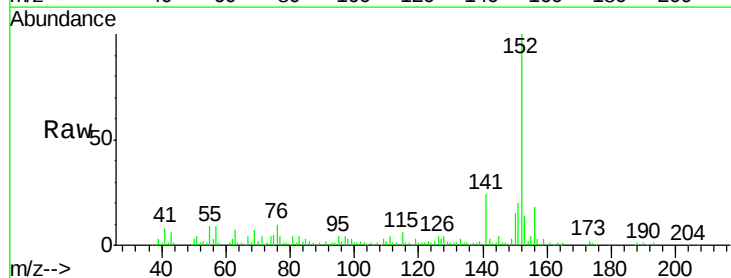
Instrument :
 BNA_F
 ClientSampleId :
 RO-11986

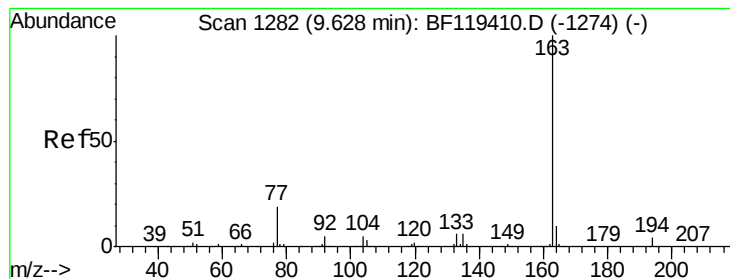
Tgt Ion:154 Resp: 118832
 Ion Ratio Lower Upper
 154 100
 153 39.9 21.4 61.4
 76 10.4 0.0 33.0



#49
 Acenaphthylene
 Concen: 2.53 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

Tgt Ion:152 Resp: 111661
 Ion Ratio Lower Upper
 152 100
 151 20.5 17.2 25.8
 153 14.3 11.2 16.8





#50

Dimethylphthalate

Concen: 6.73 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

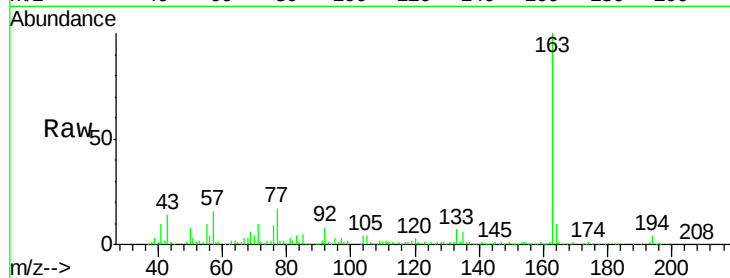
Tgt Ion:163 Resp: 210853

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

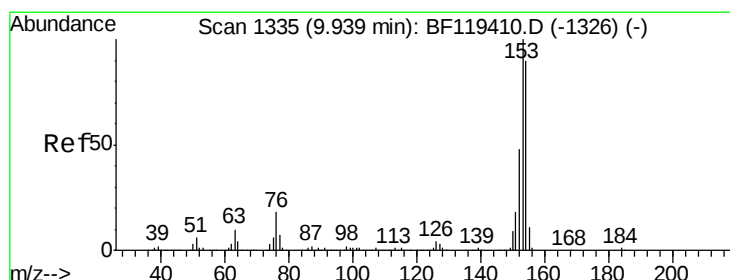
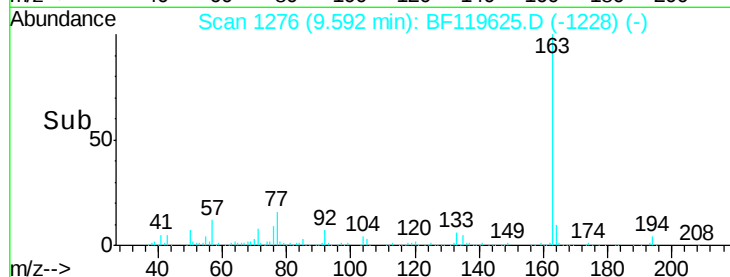
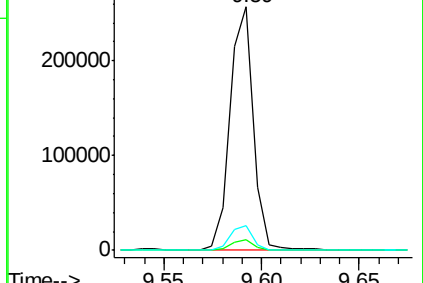
164 10.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 18.12 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

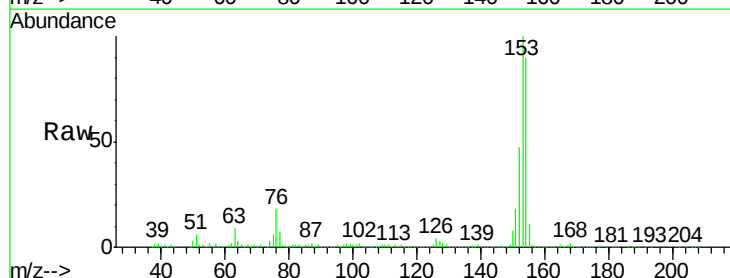
Tgt Ion:154 Resp: 499041

Ion Ratio Lower Upper

154 100

153 111.1 88.1 132.1

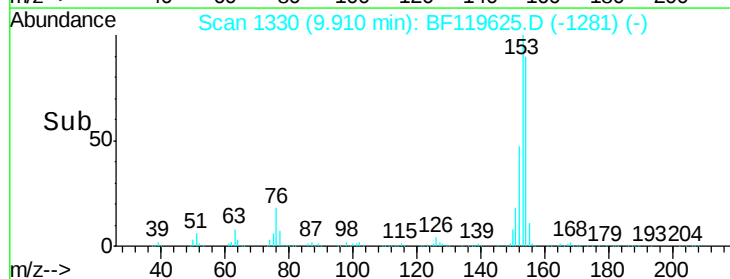
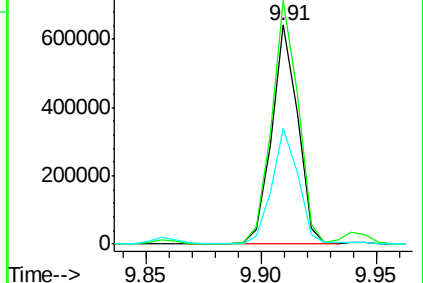
152 52.7 43.0 64.4

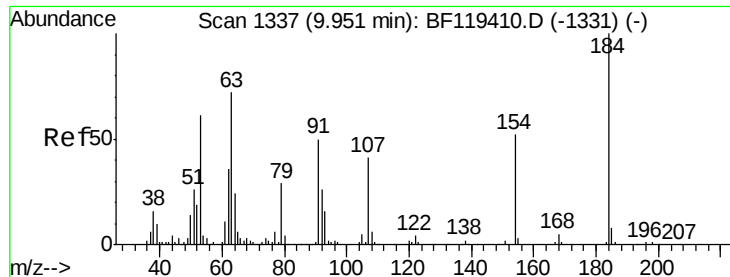


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

2,4-Dinitrophenol

Concen: 7.31 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.13 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

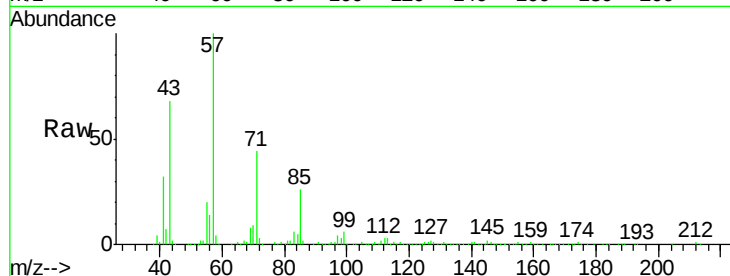
Tgt Ion:184 Resp: 119

Ion Ratio Lower Upper

184 100

63 200.6 50.2 75.4#

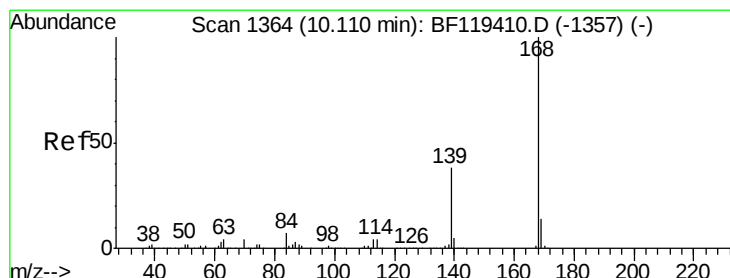
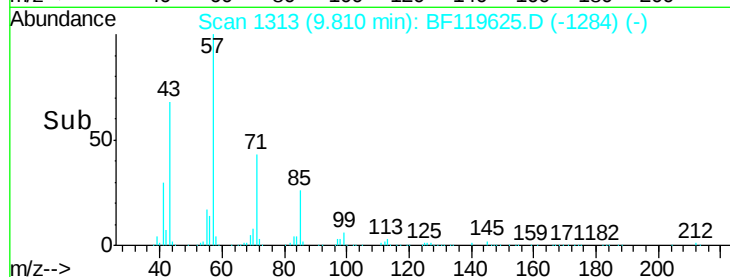
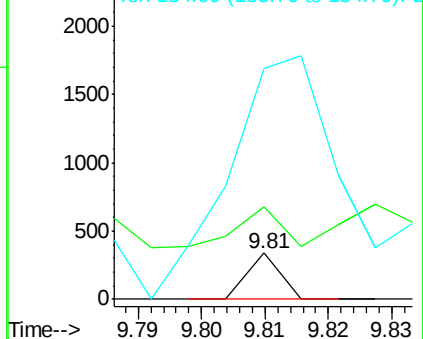
154 500.3 44.5 66.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#55

Dibenzofuran

Concen: 16.79 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

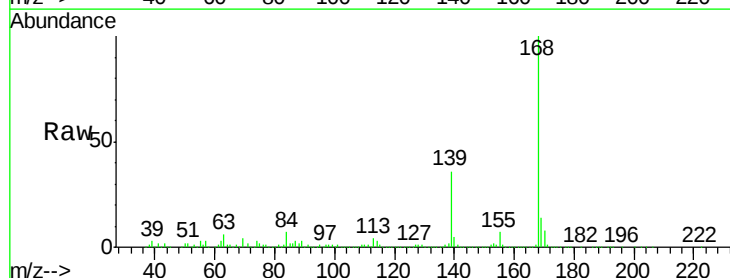
Tgt Ion:168 Resp: 663165

Ion Ratio Lower Upper

168 100

139 36.5 30.1 45.1

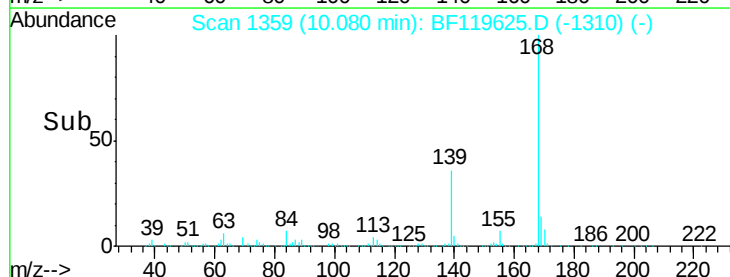
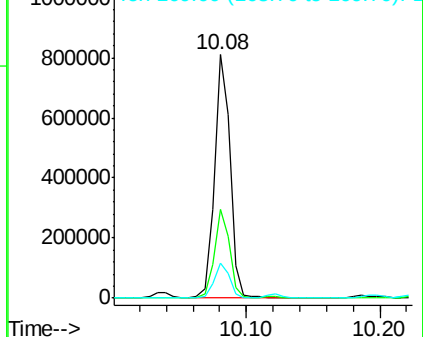
169 14.3 11.0 16.6

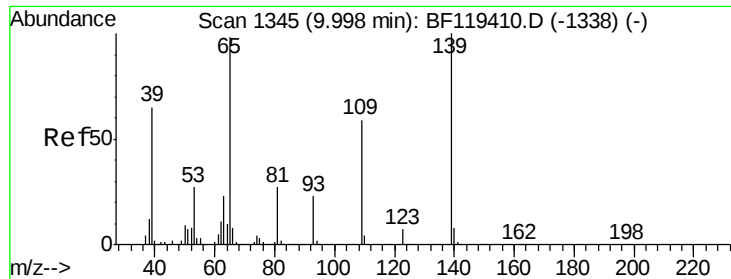


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

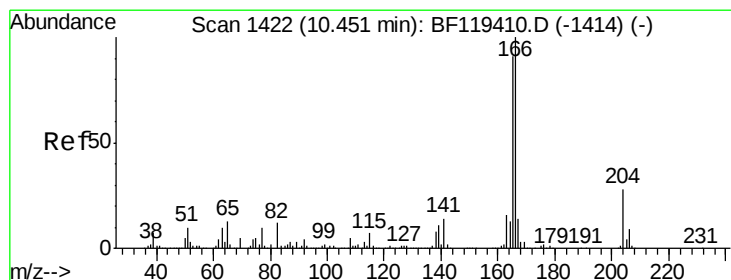
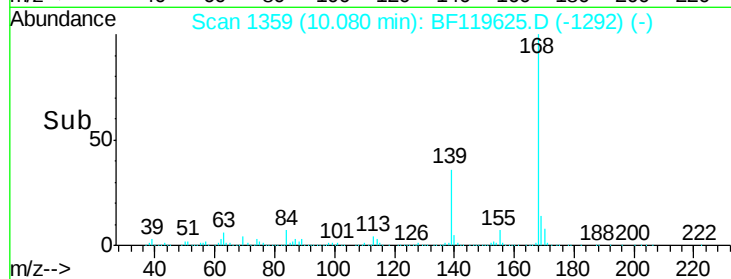
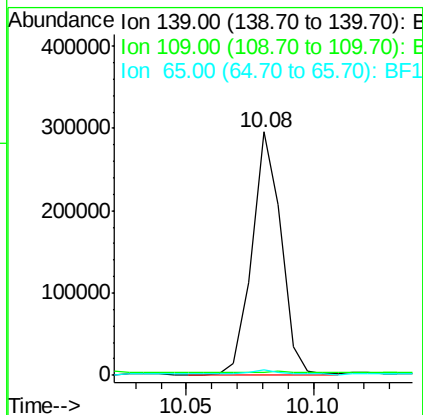
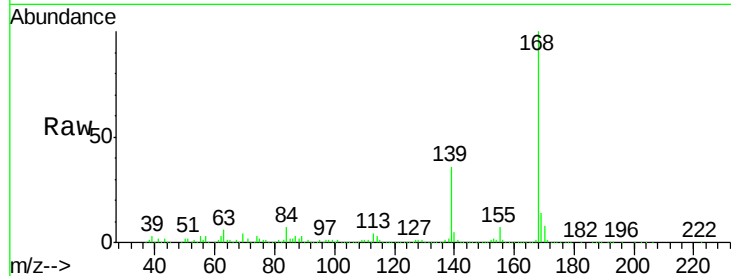




#56
4-Nitrophenol
Concen: 35.38 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.09 min
Lab File: BF119625.D
Acq: 28 Mar 2020 19:04

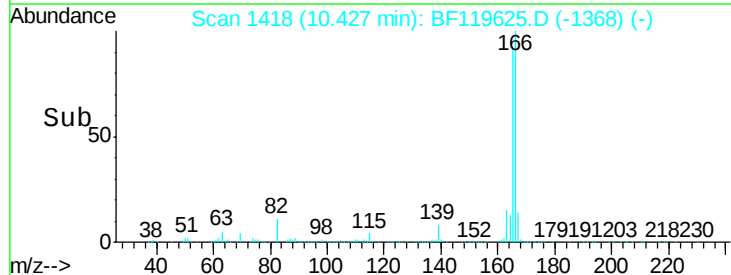
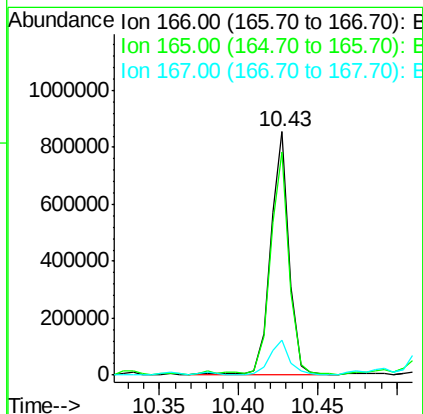
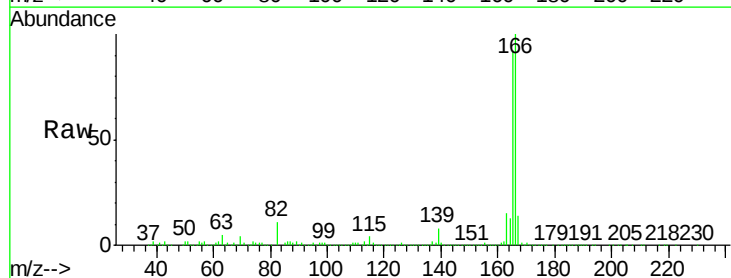
Instrument :
BNA_F
ClientSampleId :
RO-11986

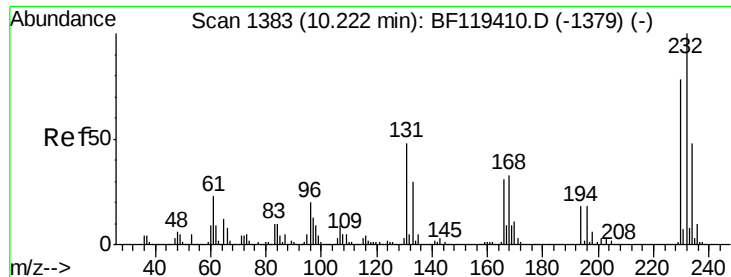
Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.5	43.3	83.3#
65	2.5	91.0	131.0#



#58
Fluorene
Concen: 23.70 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF119625.D
Acq: 28 Mar 2020 19:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.7	75.4	113.2
167	14.3	11.2	16.8

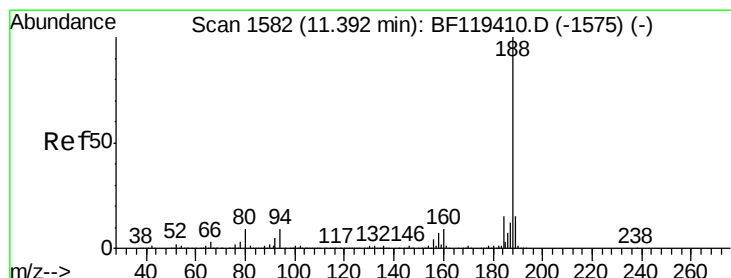
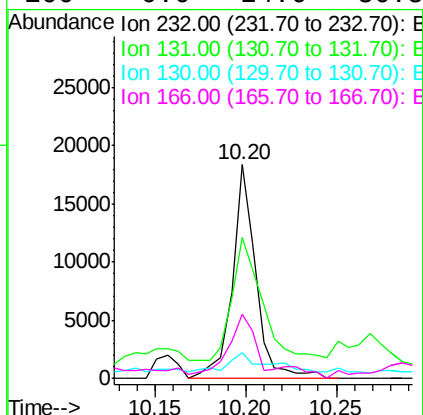
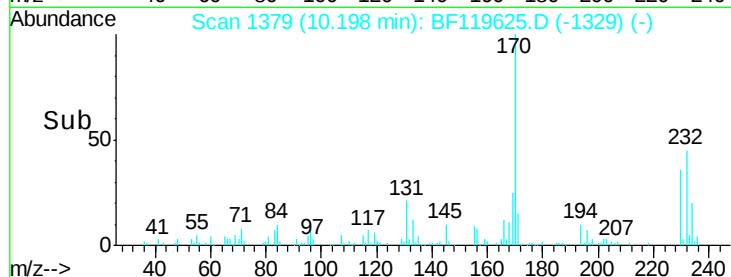
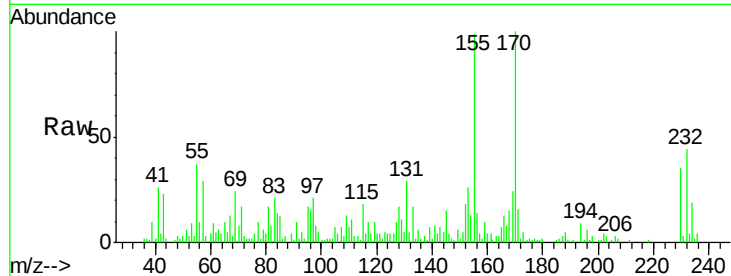




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 2.14 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

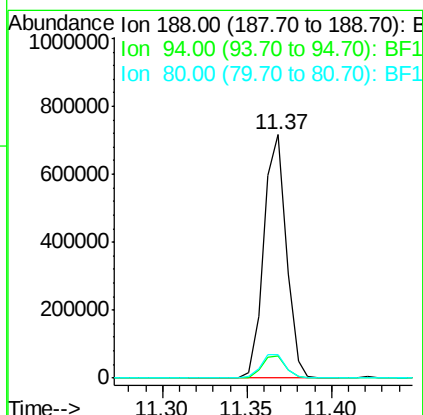
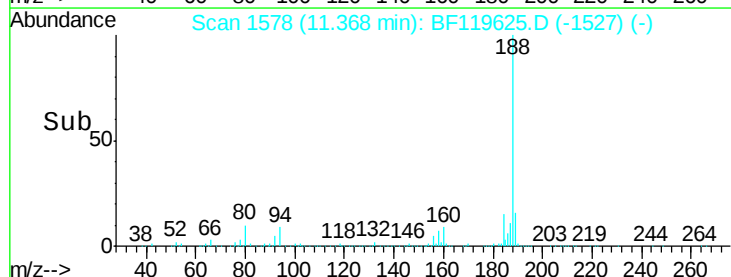
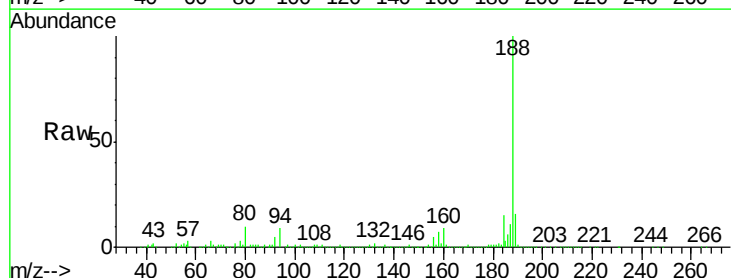
Instrument :
 BNA_F
 ClientSampleId :
 RO-11986

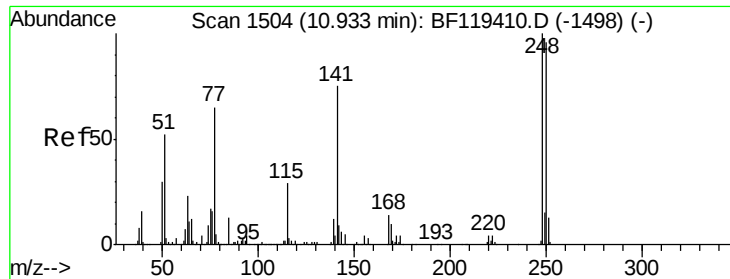
Tgt Ion: 232 Resp: 16552
 Ion Ratio Lower Upper
 232 100
 131 74.1 37.5 56.3#
 130 15.0 1.8 2.6#
 166 0.0 24.6 36.8#



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

Tgt Ion: 188 Resp: 664907
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.5 11.3
 80 9.8 9.0 13.4

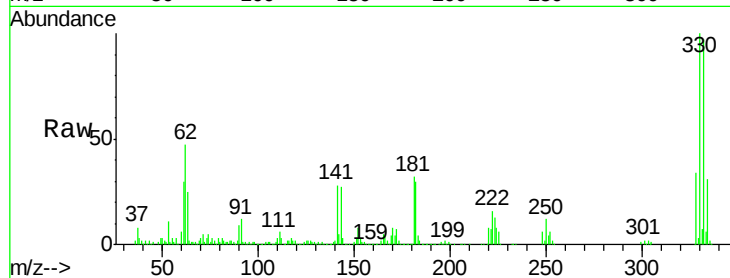




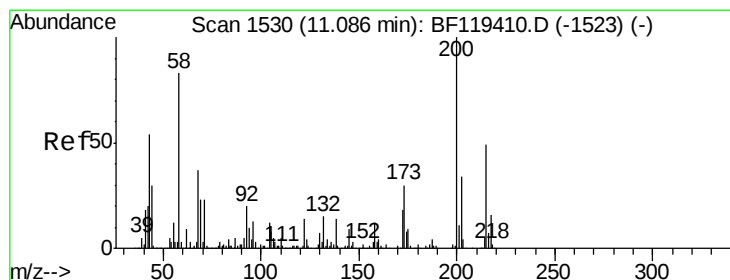
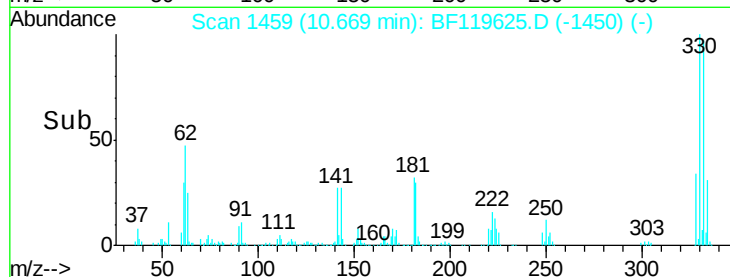
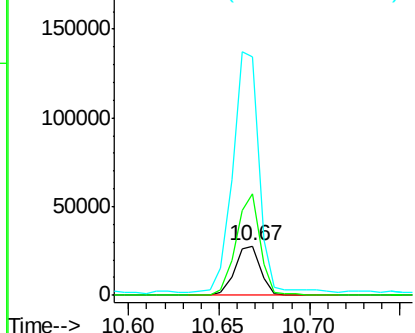
#67
 4-Bromophenyl-phenylether
 Concen: 3.61 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

Instrument :
 BNA_F
 ClientSampleId :
 RO-11986

Tgt Ion:248 Resp: 27338
 Ion Ratio Lower Upper
 248 100
 250 206.4 77.3 115.9#
 141 487.1 58.6 87.8#

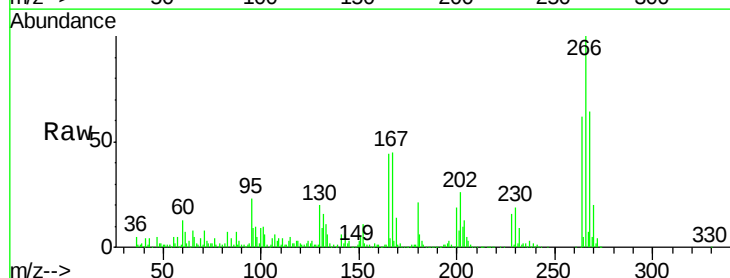


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

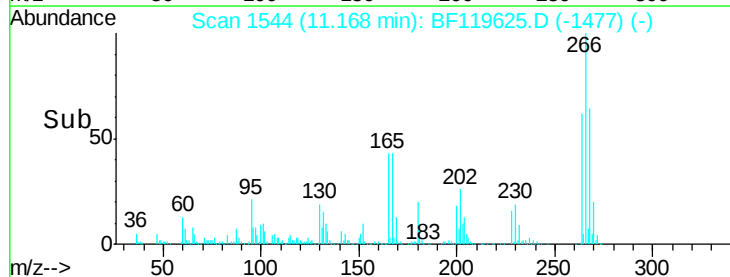
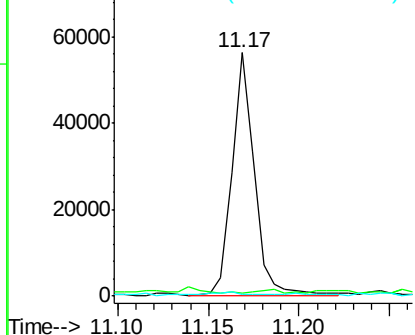


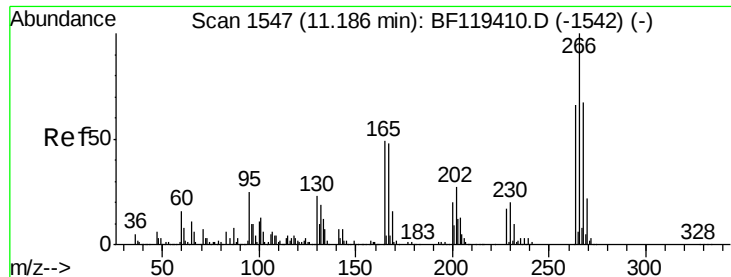
#69
 Atrazine
 Concen: 8.25 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. 0.09 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

Tgt Ion:200 Resp: 49392
 Ion Ratio Lower Upper
 200 100
 173 1.4 9.3 49.3#
 215 0.8 29.5 69.5#



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

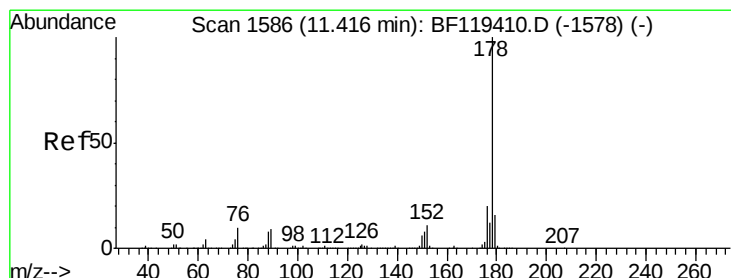
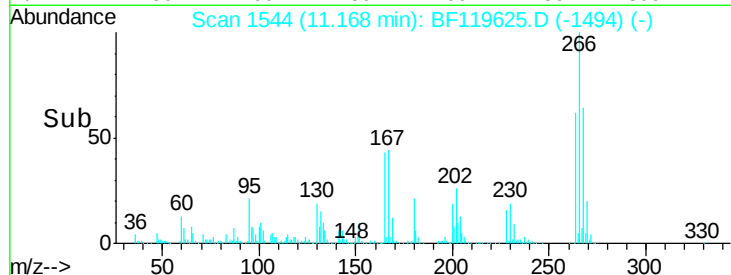
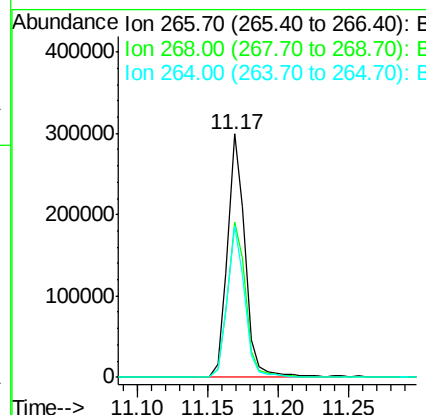
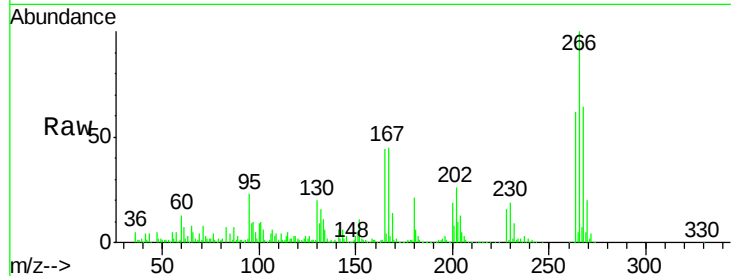




#70
 Pentachlorophenol
 Concen: 57.49 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

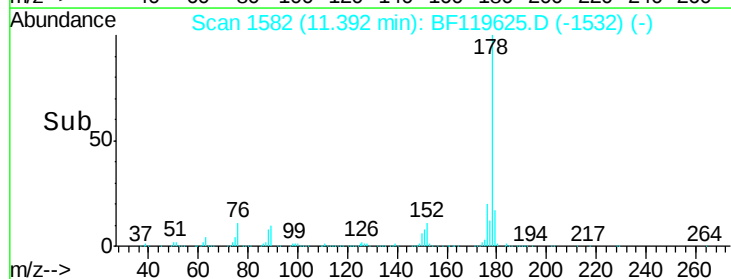
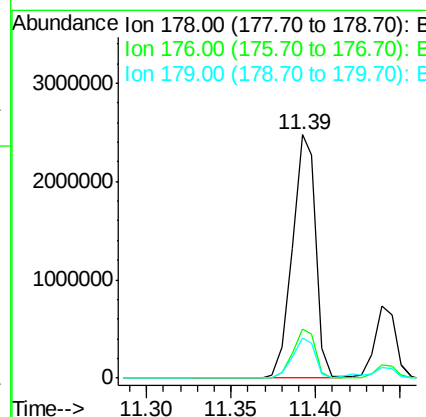
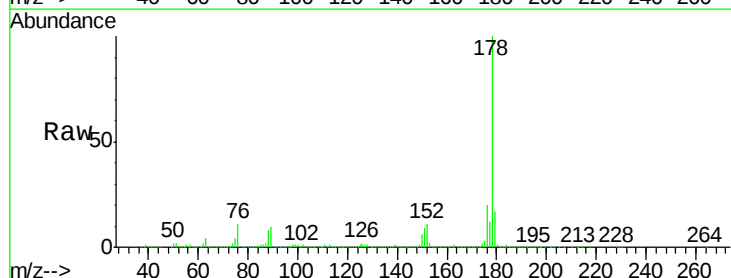
Instrument :
 BNA_F
 ClientSampleId :
 RO-11986

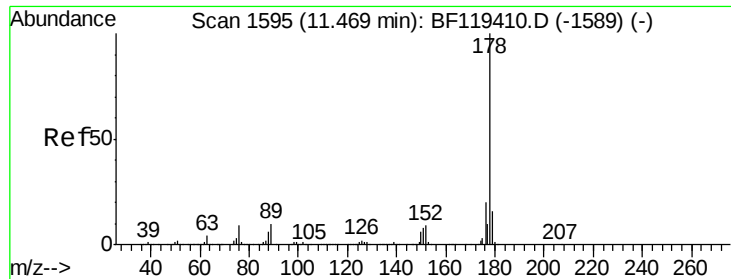
Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.8	53.3	79.9
264	62.1	49.0	73.4



#71
 Phenanthrene
 Concen: 69.22 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF119625.D
 Acq: 28 Mar 2020 19:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	16.7	13.2	19.8





#72

Anthracene

Concen: 17.93 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

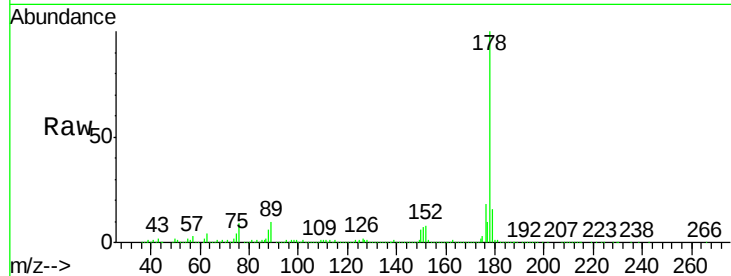
Tgt Ion:178 Resp: 628229

Ion Ratio Lower Upper

178 100

176 17.9 16.1 24.1

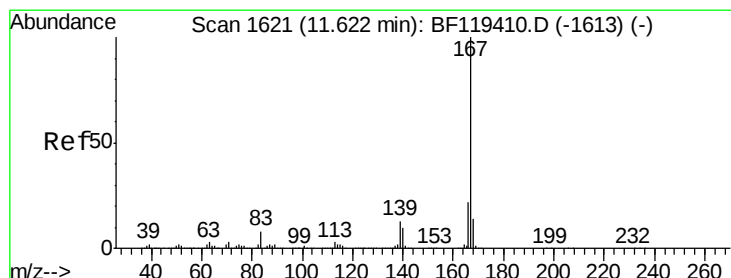
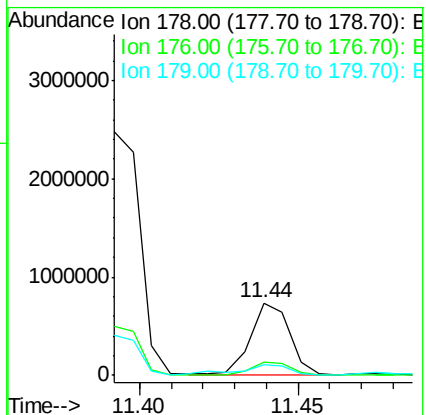
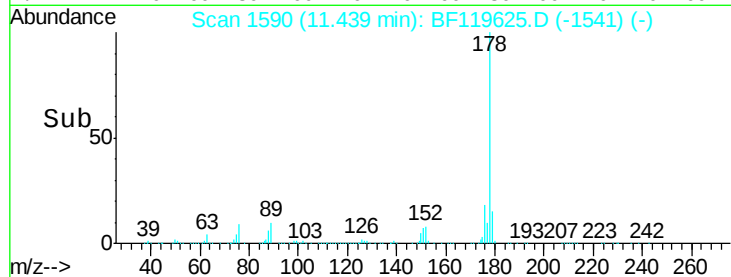
179 15.5 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 3.91 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

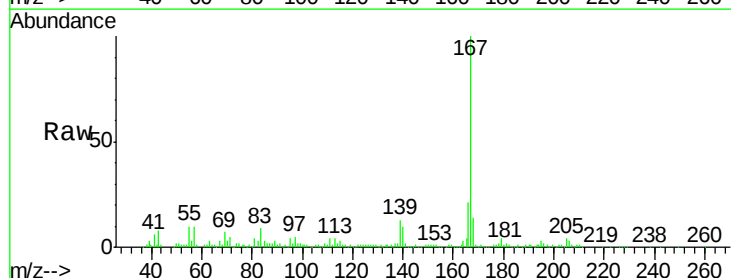
Tgt Ion:167 Resp: 135484

Ion Ratio Lower Upper

167 100

166 21.2 18.2 27.4

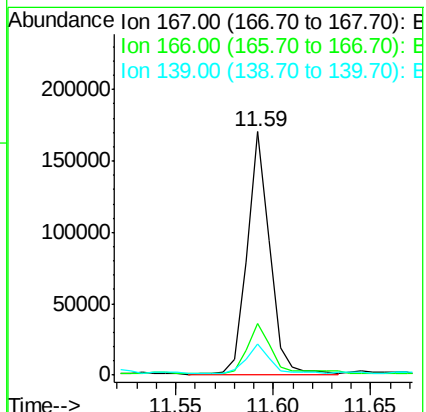
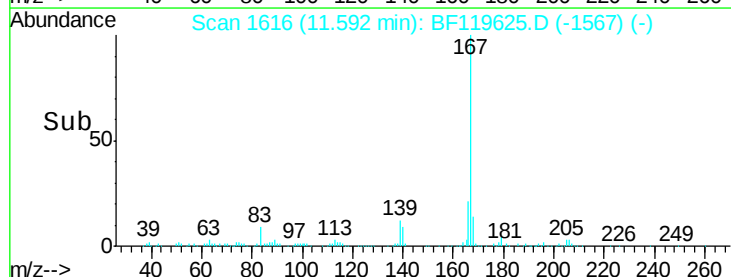
139 12.9 10.7 16.1

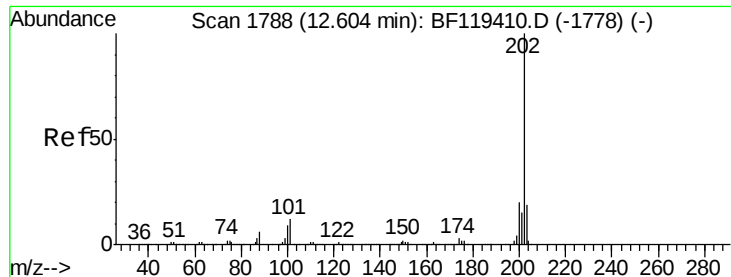


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 56.38 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampled :

RO-11986

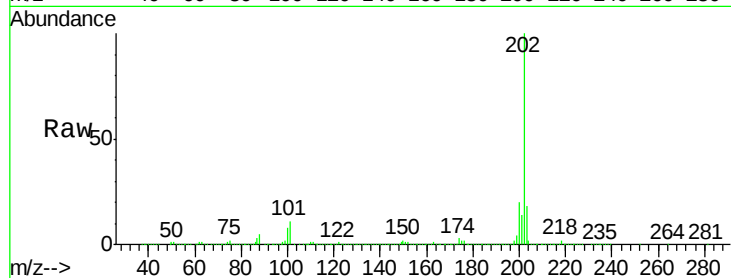
Tgt Ion:202 Resp: 2103618

Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.2

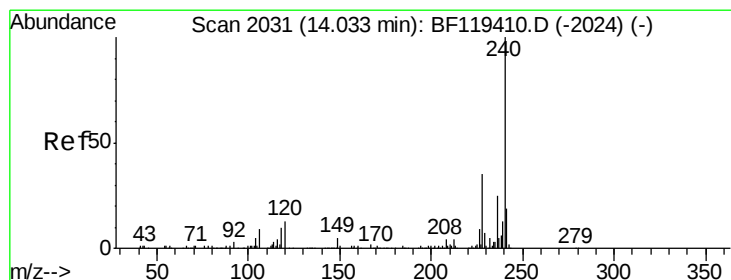
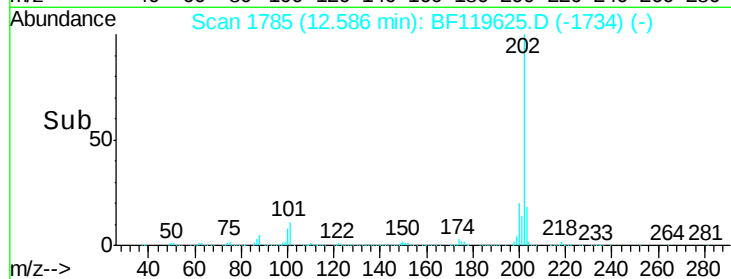
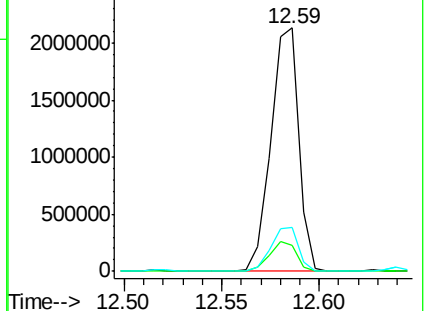
203 18.0 0.0 38.8



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: 20.00 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

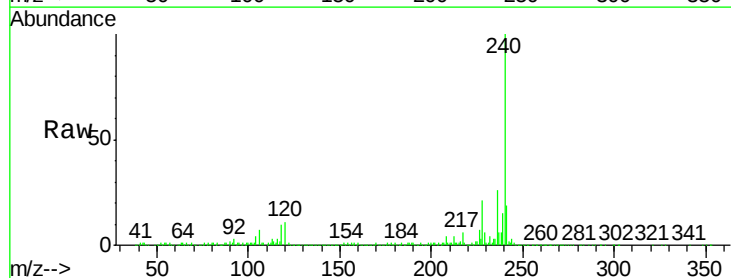
Tgt Ion:240 Resp: 547970

Ion Ratio Lower Upper

240 100

120 10.7 10.6 15.8

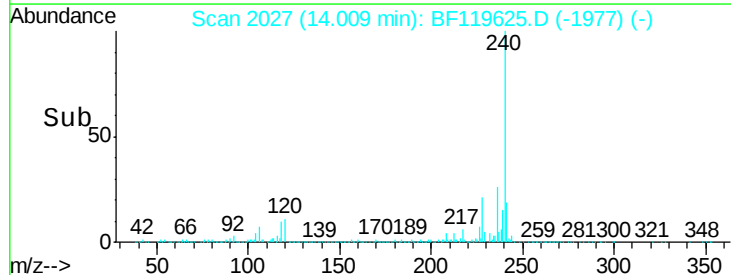
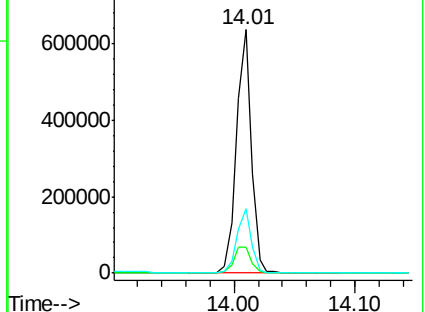
236 26.3 20.2 30.2

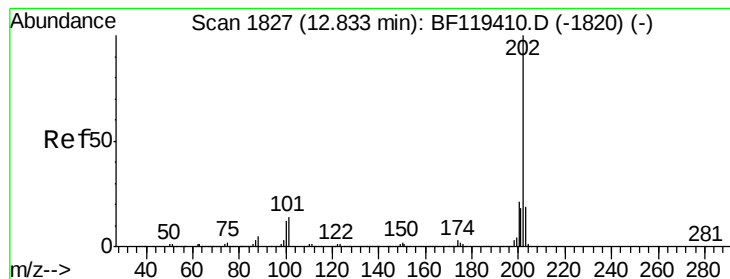


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 45.59 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

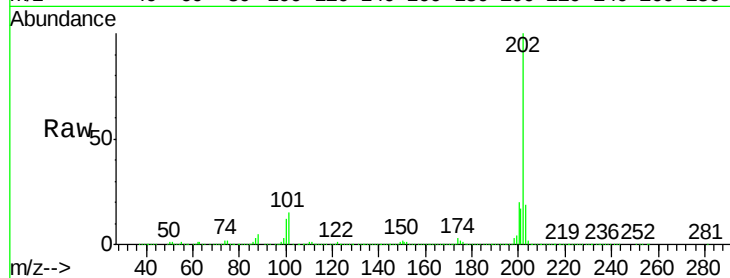
Tgt Ion:202 Resp: 2050341

Ion Ratio Lower Upper

202 100

200 20.2 16.8 25.2

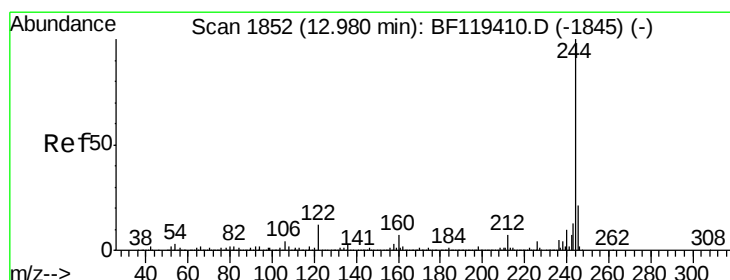
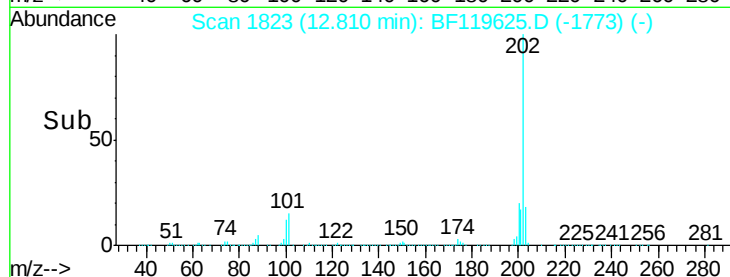
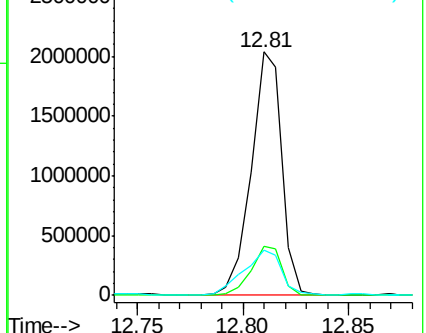
203 18.7 15.1 22.7



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: 71.55 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

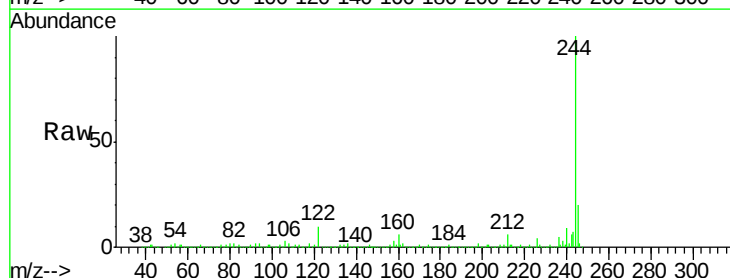
Tgt Ion:244 Resp: 2001301

Ion Ratio Lower Upper

244 100

212 6.1 5.8 8.8

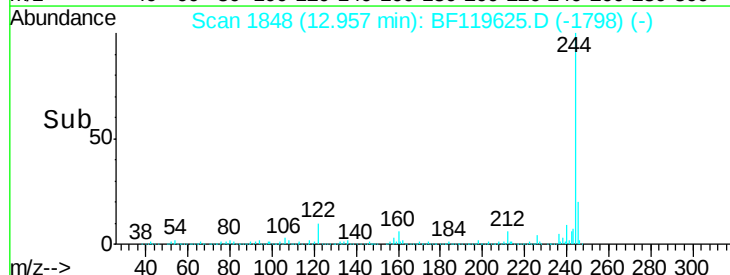
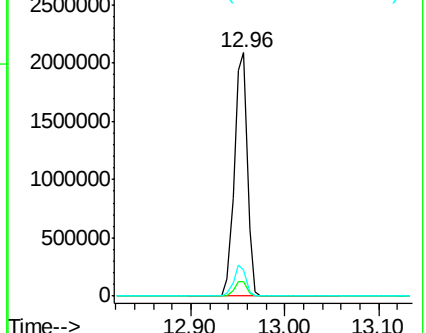
122 10.5 10.3 15.5

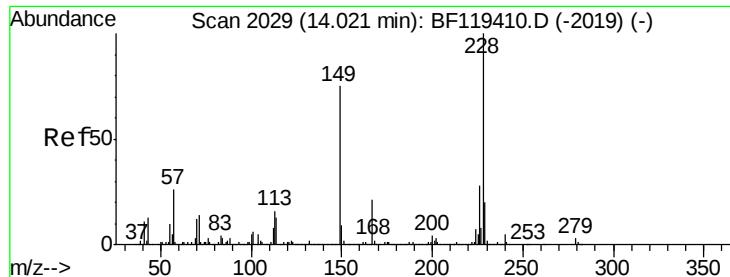


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 23.01 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

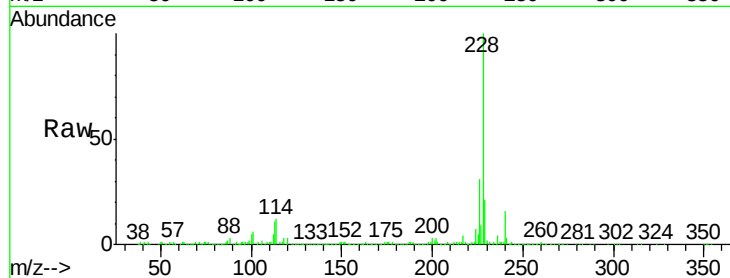
Tgt Ion:228 Resp: 820004

Ion Ratio Lower Upper

228 100

226 31.1 21.8 32.8

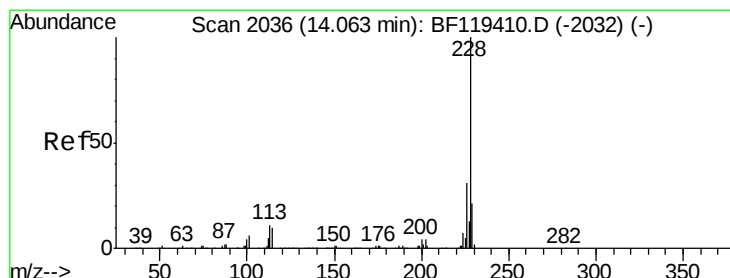
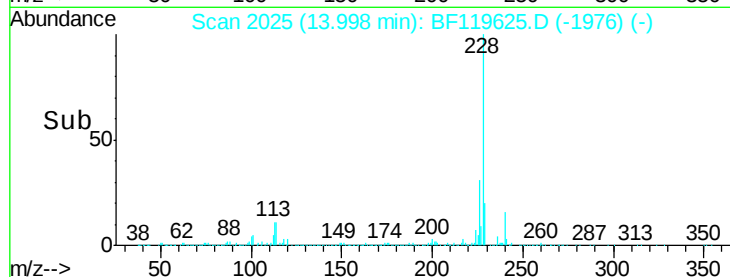
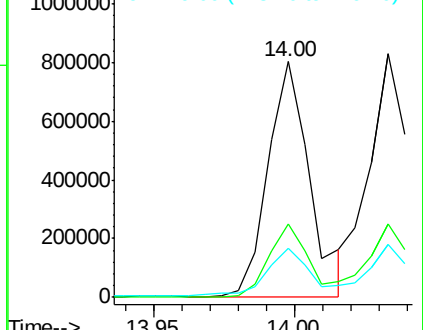
229 20.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 21.06 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

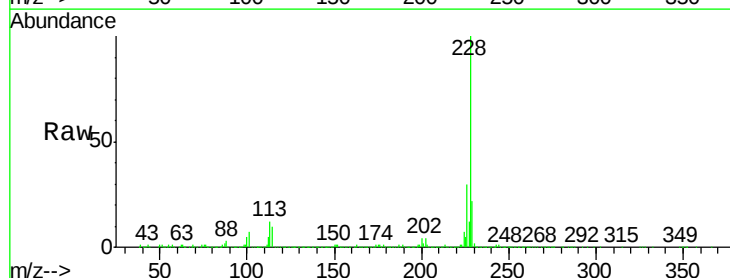
Tgt Ion:228 Resp: 774340

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.0

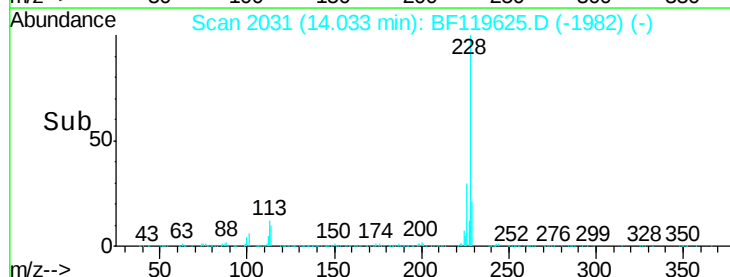
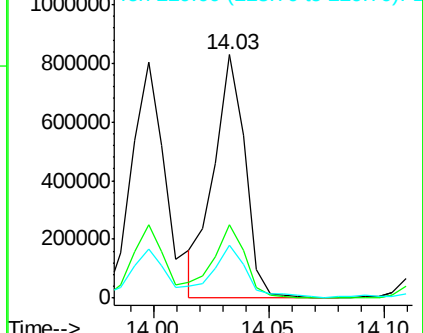
229 21.7 16.6 24.8

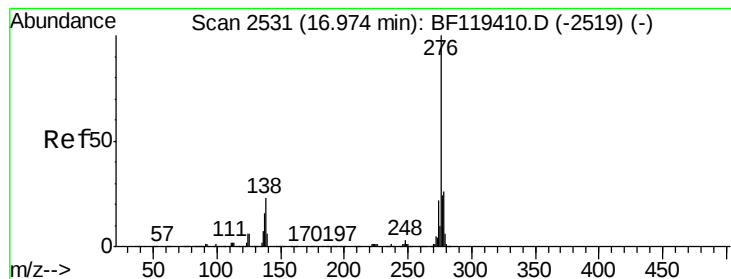


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.00 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.02 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

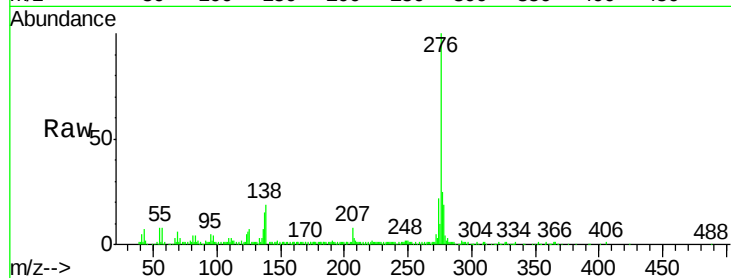
Tgt Ion:276 Resp: 173173

Ion Ratio Lower Upper

276 100

138 21.8 19.6 29.4

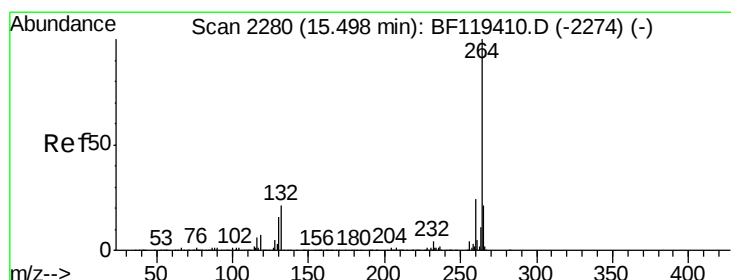
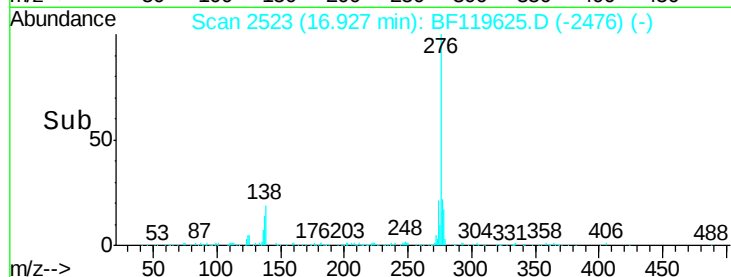
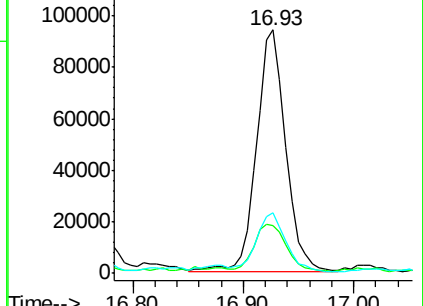
277 25.0 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

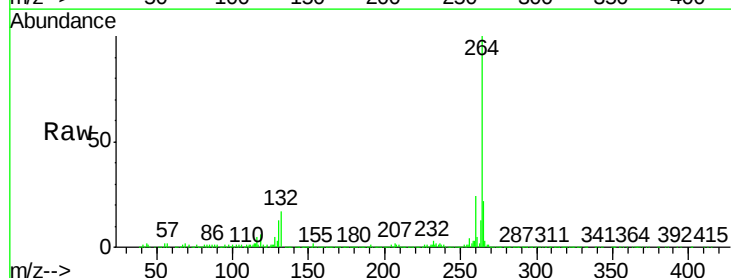
Tgt Ion:264 Resp: 503683

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

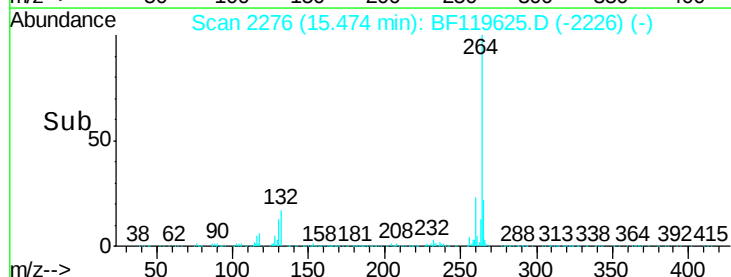
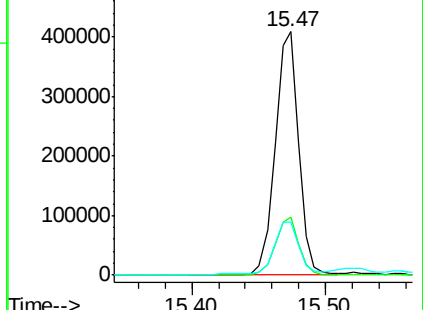
265 21.8 17.7 26.5

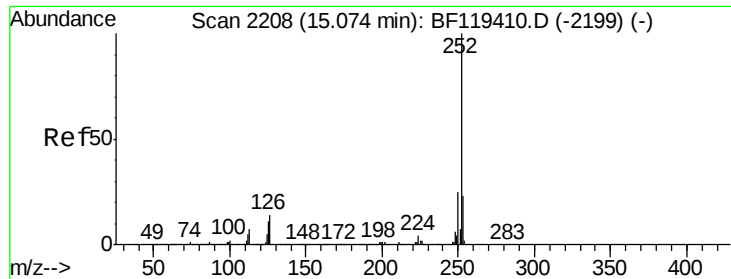


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 28.19 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

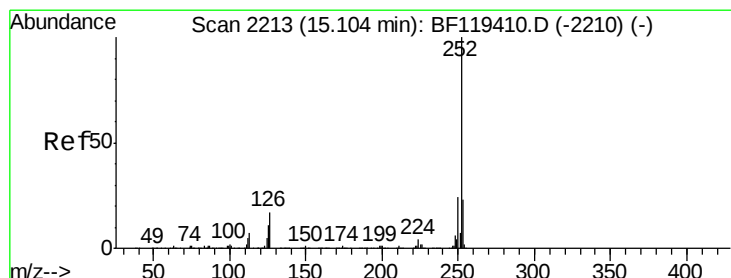
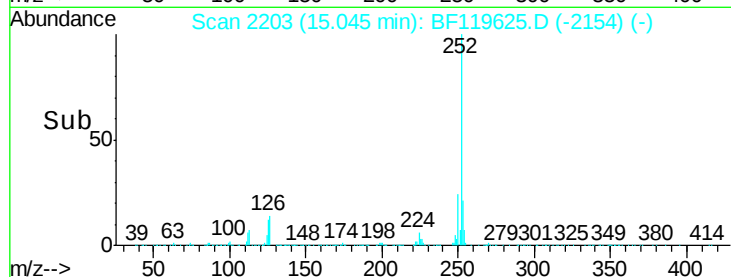
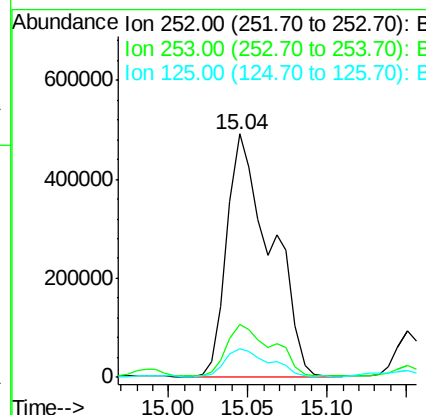
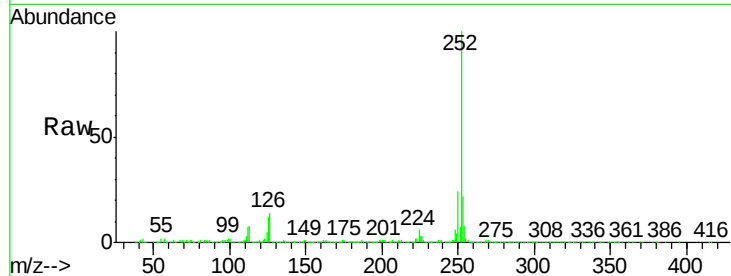
Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :
BNA_F
ClientSampleId :
RO-11986

Tgt Ion:252 Resp: 948360

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	11.9	7.9	11.9#



#89

Benzo(k)fluoranthene

Concen: 29.60 ng

RT: 15.04 min Scan# 2203

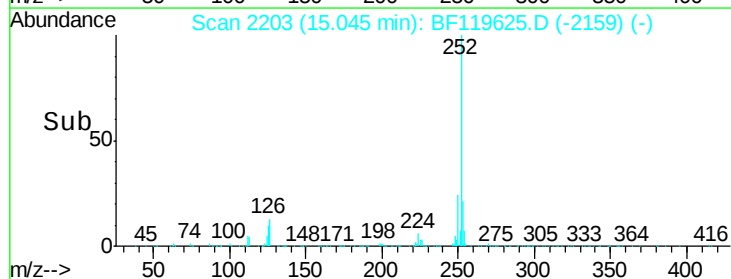
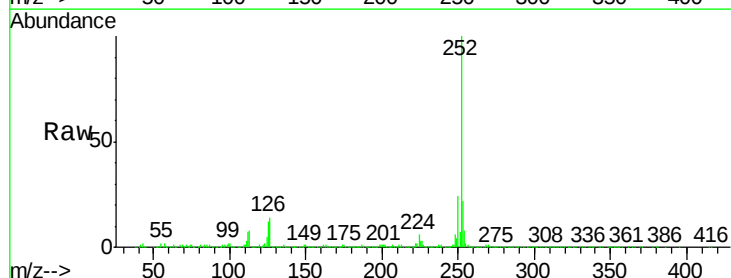
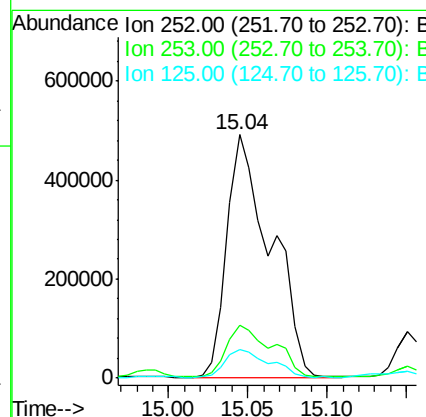
Delta R.T. -0.04 min

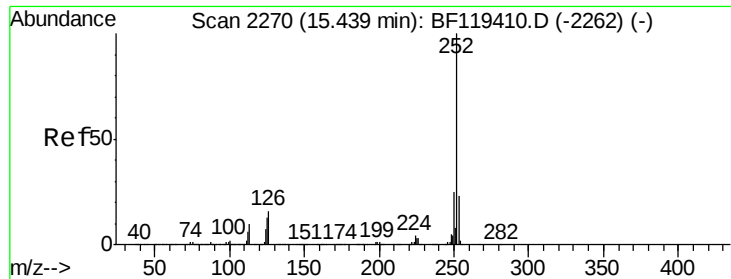
Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Tgt Ion:252 Resp: 948360

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	11.9	8.4	12.6





#90

Benzo(a)pyrene

Concen: 12.21 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

Instrument :

BNA_F

ClientSampleId :

RO-11986

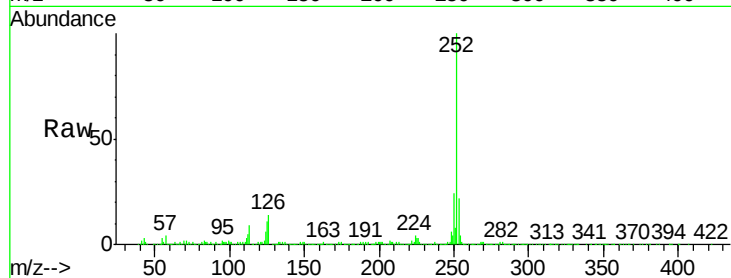
Tgt Ion:252 Resp: 373362

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

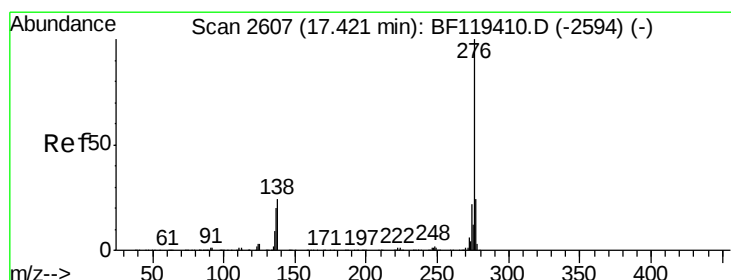
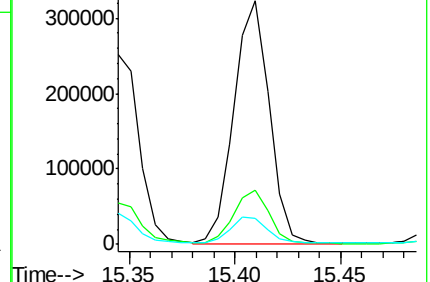
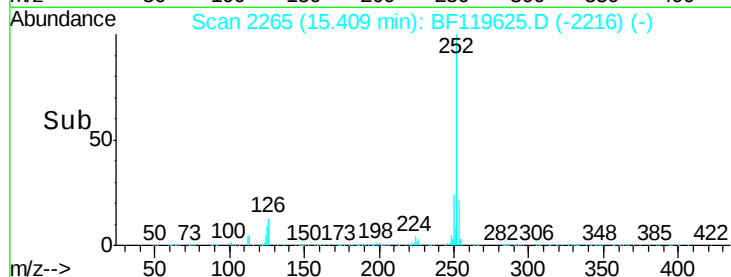
125 10.8 9.4 14.2



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



#92

Benzo(g,h,i)perylene

Concen: 5.34 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.03 min

Lab File: BF119625.D

Acq: 28 Mar 2020 19:04

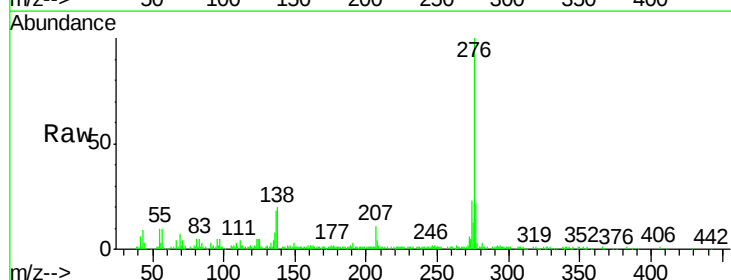
Tgt Ion:276 Resp: 143548

Ion Ratio Lower Upper

276 100

277 22.1 18.4 27.6

138 20.0 15.4 23.0



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

