

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101818\
 Data File : BF109986.D
 Acq On : 19 Oct 2018 3:45
 Operator : JU/SJ
 Sample : J5204-07 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101718-B

Quant Time: Oct 19 10:30:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	186066	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	687026	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	288234	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	504352	20.00	ng	0.00
76) Chrysene-d12	14.16	240	347120	20.00	ng	0.00
87) Perylene-d12	15.69	264	275168	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	585025	49.84	ng	0.00
7) Phenol-d6	6.59	99	723498	49.64	ng	-0.01
23) Nitrobenzene-d5	7.53	82	415303	40.72	ng	-0.02
42) 2,4,6-Tribromophenol	10.81	330	133258	53.40	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	658768	36.47	ng	0.00
79) Terphenyl-d14	13.10	244	581909	35.20	ng	0.00

Target Compounds

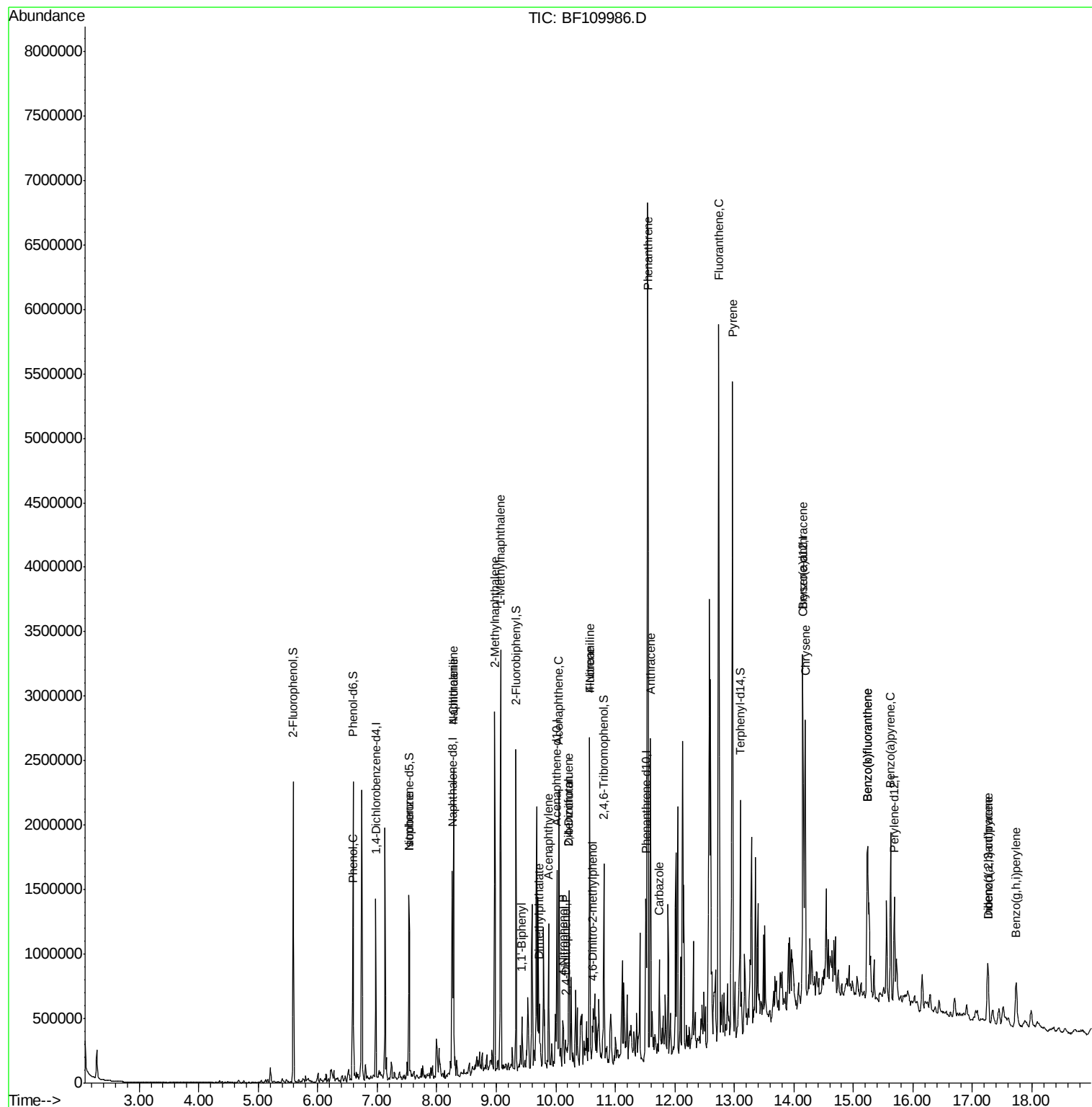
						Qvalue
10) Phenol	6.60	94	75338	4.787	ng	# 63
25) Isophorone	7.53	82	415547	20.736	ng	# 67
31) Naphthalene	8.28	128	966320	30.672	ng	# 99
33) 4-Chloroaniline	8.28	127	127307	8.989	ng	# 31
37) 2-Methylnaphthalene	8.97	142	664000	32.549	ng	# 98
38) 1-Methylnaphthalene	9.07	142	783217	39.621	ng	# 99
46) 1,1'-Biphenyl	9.43	154	109104	4.249	ng	# 99
49) Acenaphthylene	9.88	152	241973	8.805	ng	# 93
50) Dimethylphthalate	9.73	163	88933	4.357	ng	# 98
52) Acenaphthene	10.05	154	434704	24.847	ng	# 98
54) 2,4-Dinitrophenol	10.16	184	143	9.012	ng	# 1
55) Dibenzofuran	10.22	168	378578	15.173	ng	# 96
56) 4-Nitrophenol	10.12	139	8287	2.303	ng	# 37
57) 2,4-Dinitrotoluene	10.22	165	5479	5.595	ng	# 18
58) Fluorene	10.57	166	700984	38.594	ng	# 99
62) 4-Nitroaniline	10.57	138	9784	2.192	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.62	198	367	8.072	ng	# 1
71) Phenanthrene	11.55	178	2813203	107.742	ng	# 96
72) Anthracene	11.59	178	887903	33.824	ng	# 99
73) Carbazole	11.74	167	218571	8.472	ng	# 99
75) Fluoranthene	12.74	202	2429916	93.157	ng	# 97
78) Pyrene	12.97	202	2453998	96.254	ng	# 98
81) Benzo(a)anthracene	14.15	228	1012669	49.528	ng	# 94
83) Chrysene	14.19	228	862381	44.312	ng	# 98
86) Indeno(1,2,3-cd)pyrene	17.26	276	328451	20.961	ng	# 99
88) Benzo(b)fluoranthene	15.24	252	1054689	66.483	ng	# 95
89) Benzo(k)fluoranthene	15.24	252	1054689	67.451	ng	# 94
90) Benzo(a)pyrene	15.63	252	635520	43.557	ng	# 98
91) Dibenzo(a,h)anthracene	17.27	278	88035	6.808	ng	# 86
92) Benzo(g,h,i)perylene	17.73	276	309676	23.704	ng	# 94

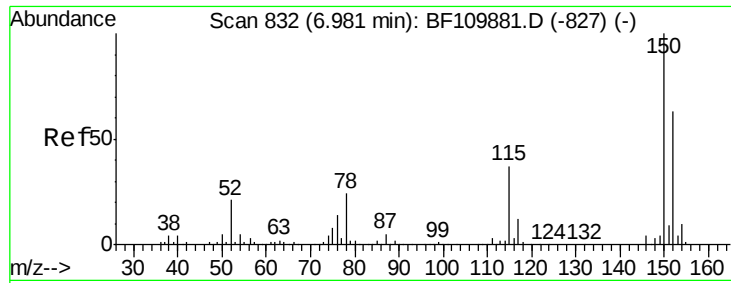
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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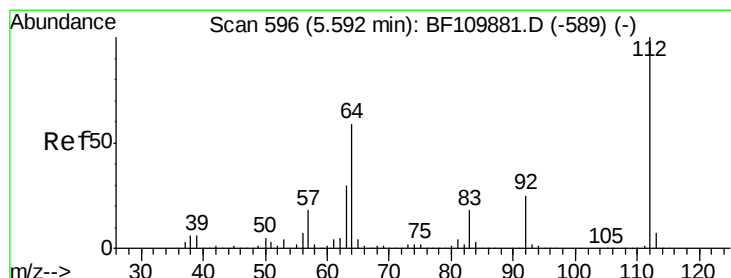
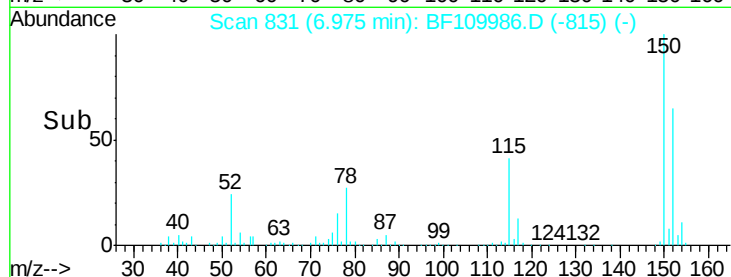
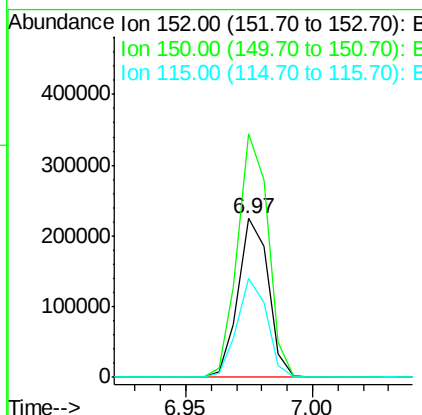
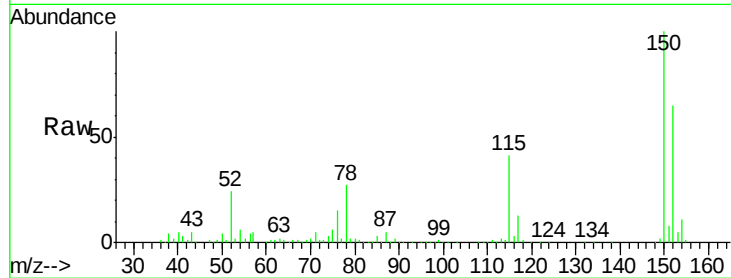




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF109986.D
 Acq: 19 Oct 2018 3:45

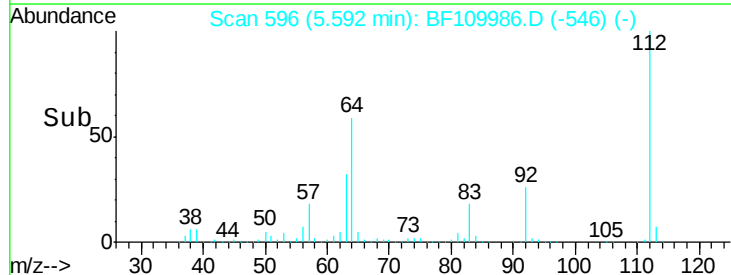
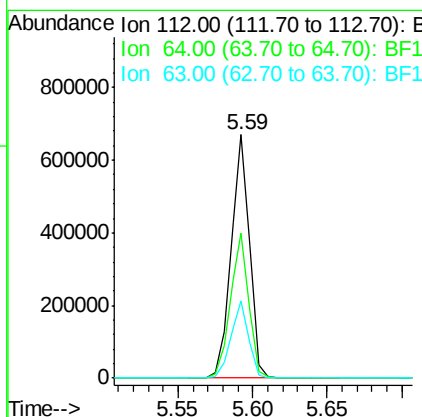
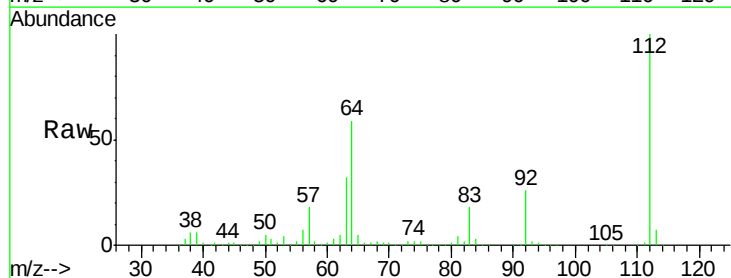
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101718-B

Tgt Ion:152 Resp: 186066
 Ion Ratio Lower Upper
 152 100
 150 153.4 122.7 184.1
 115 62.5 49.1 73.7



#5
 2-Fluorophenol
 Concen: 49.840 ng
 RT: 5.59 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: BF109986.D
 Acq: 19 Oct 2018 3:45

Tgt Ion:112 Resp: 585025
 Ion Ratio Lower Upper
 112 100
 64 59.5 44.1 66.1
 63 31.6 23.7 35.5





#7

Phenol-d6

Concen: 49.637 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-B

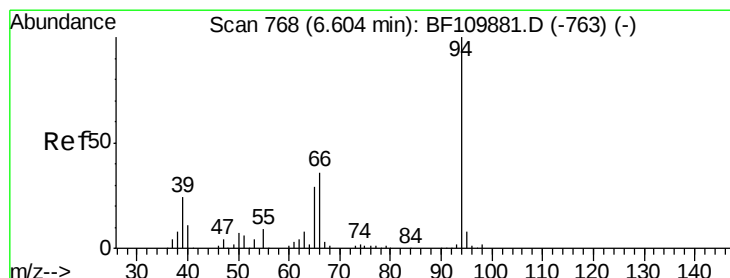
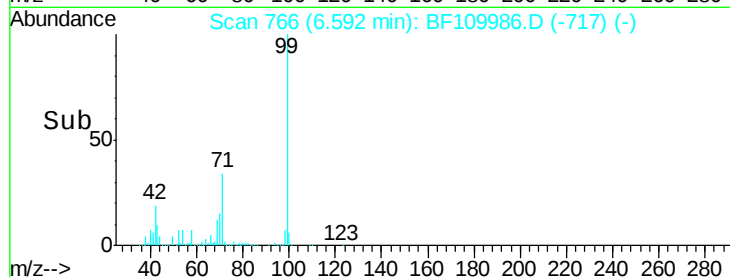
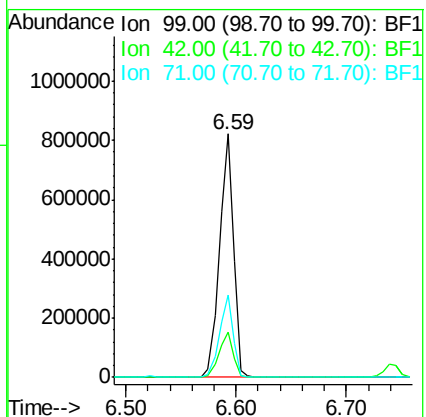
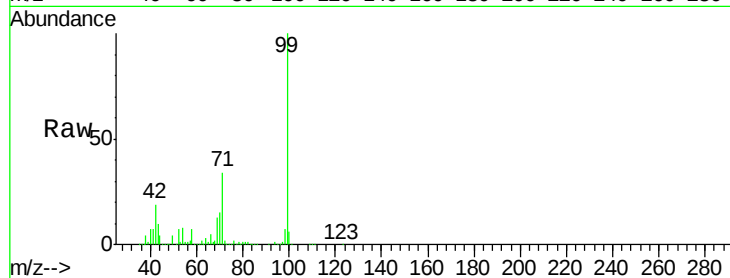
Tgt Ion: 99 Resp: 723498

Ion Ratio Lower Upper

99 100

42 18.7 15.8 23.6

71 34.0 28.0 42.0



#10

Phenol

Concen: 4.787 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

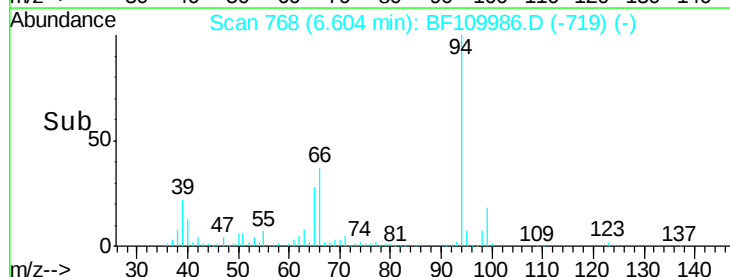
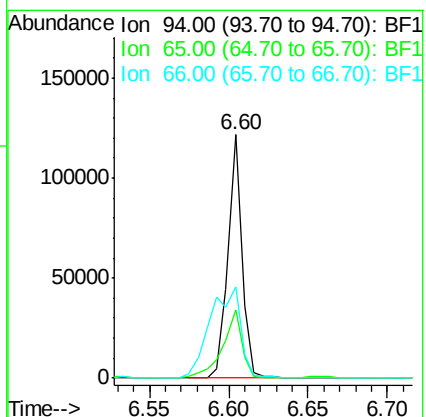
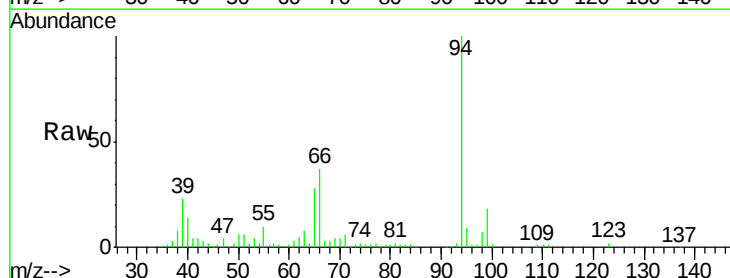
Tgt Ion: 94 Resp: 75338

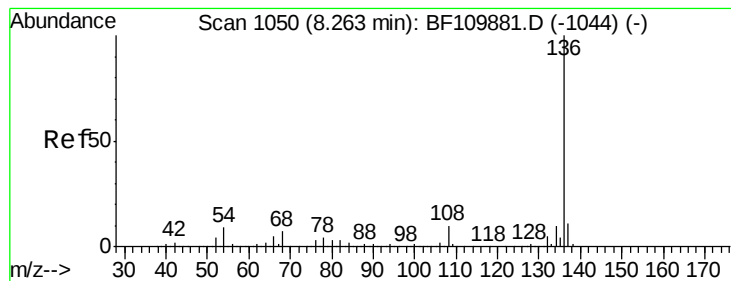
Ion Ratio Lower Upper

94 100

65 28.0 25.3 65.3

66 37.4 54.5 94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-B

Tgt Ion:136 Resp: 687026

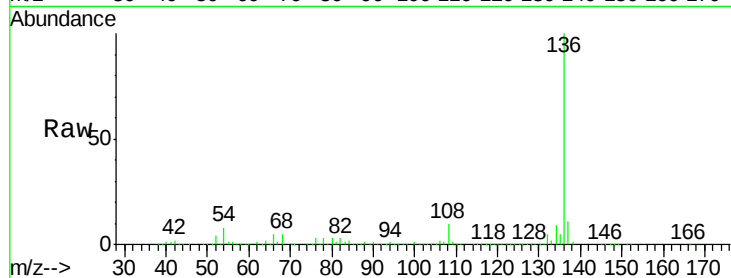
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.6 5.4 8.2

68 5.3 4.2 6.2

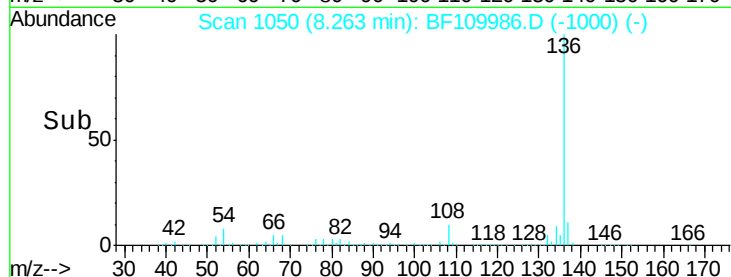


Abundance Ion 136.00 (135.70 to 136.70): E

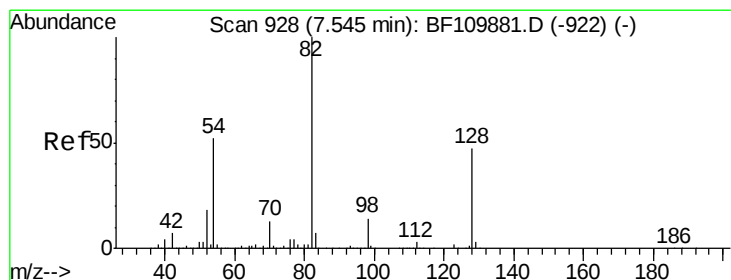
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 40.721 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

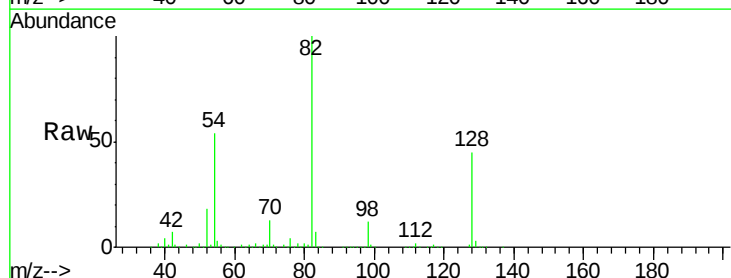
Tgt Ion: 82 Resp: 415303

Ion Ratio Lower Upper

82 100

128 44.7 34.2 51.2

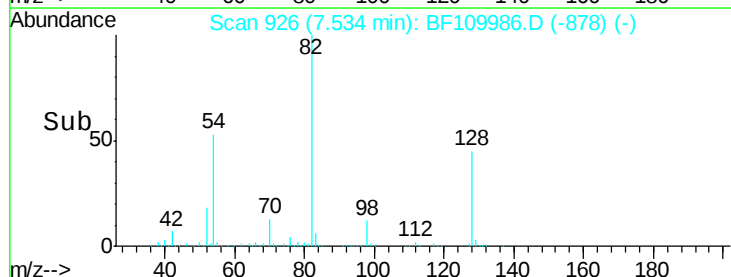
54 53.5 38.6 58.0



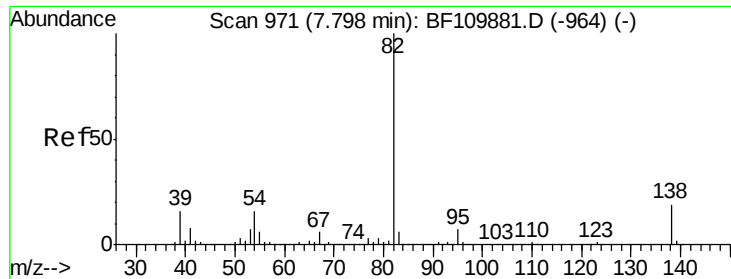
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 20.736 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.27 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-B

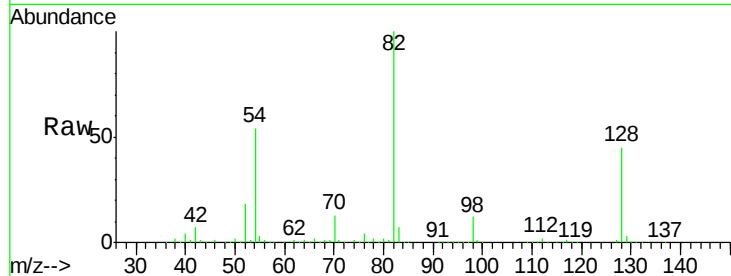
Tgt Ion: 82 Resp: 415547

Ion Ratio Lower Upper

82 100

95 0.3 5.7 8.5#

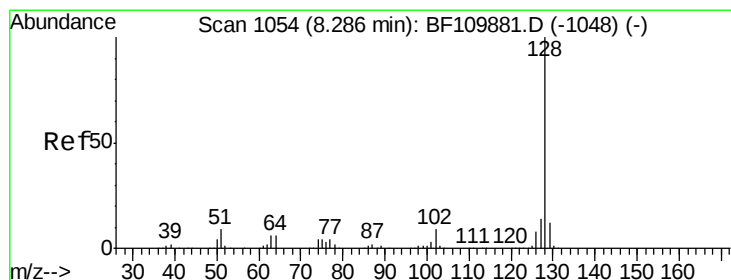
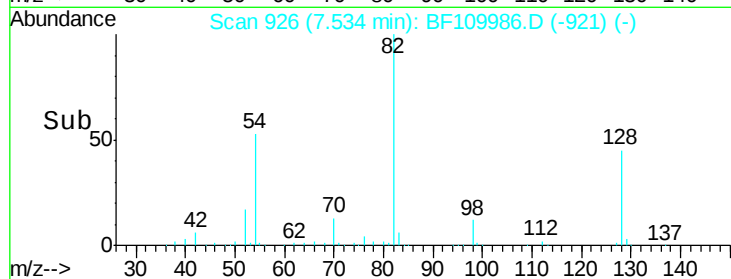
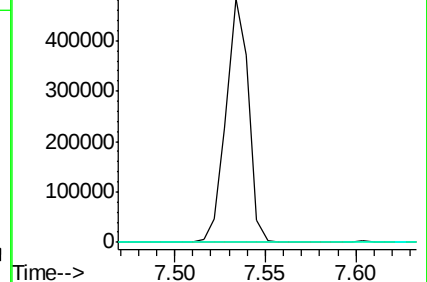
138 0.0 13.2 19.8#



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



#31

Naphthalene

Concen: 30.672 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

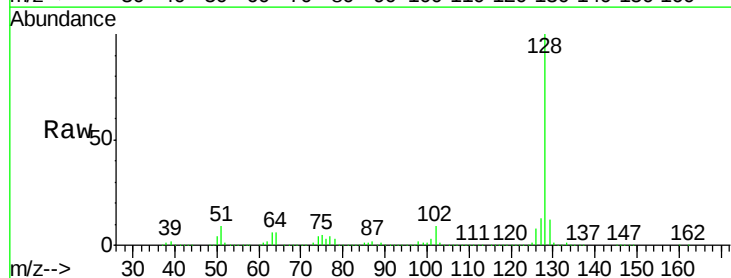
Tgt Ion: 128 Resp: 966320

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

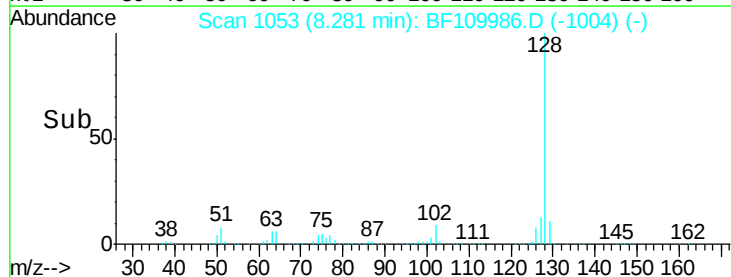
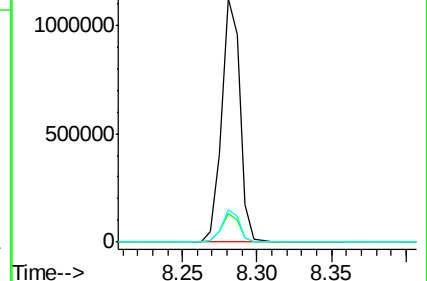
127 13.5 10.8 16.2

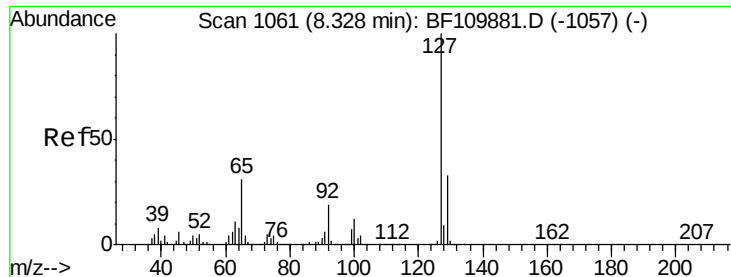


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

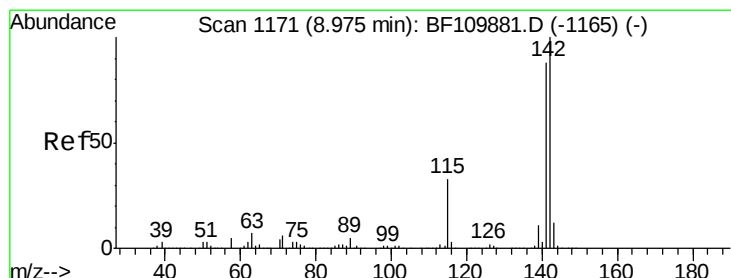
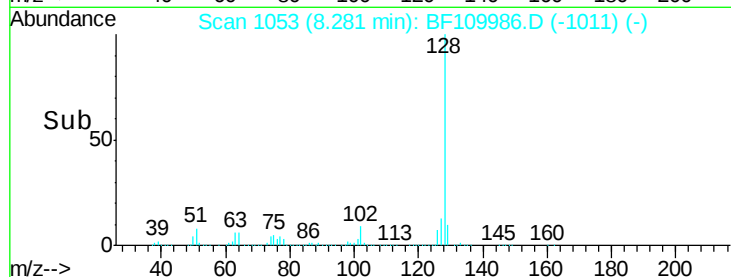
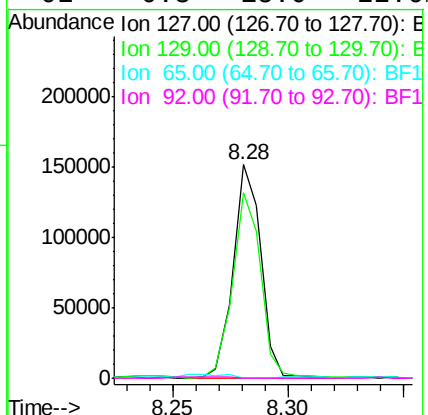
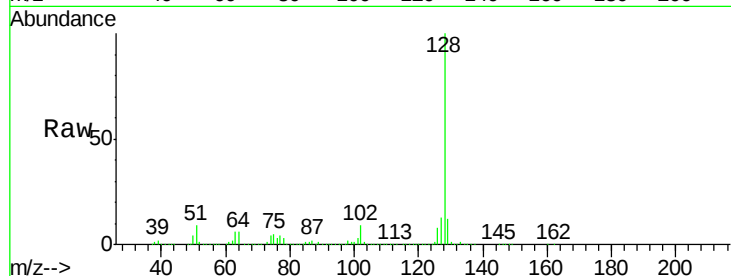




#33
4-Chloroaniline
Concen: 8.989 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

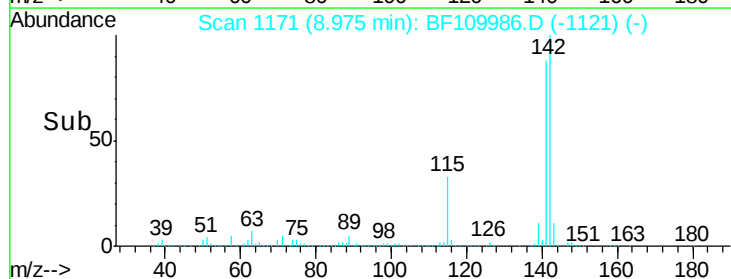
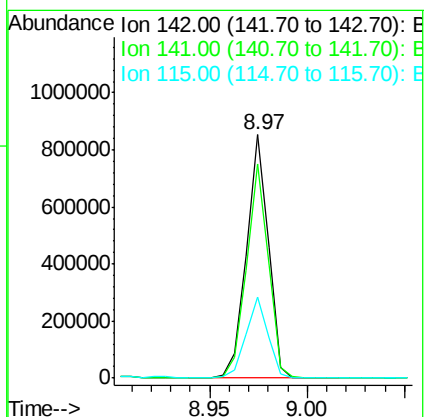
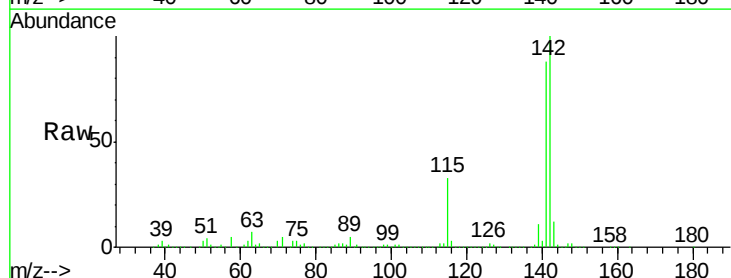
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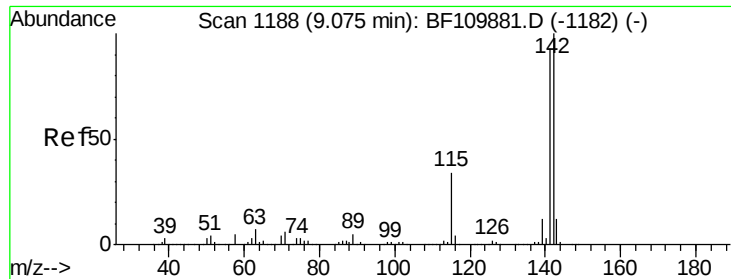
Tgt Ion:	127	Resp:	127307
Ion Ratio	Lower	Upper	
127	100		
129	87.1	26.0	39.0#
65	0.0	25.1	37.7#
92	0.3	15.0	22.6#



#37
2-Methylnaphthalene
Concen: 32.549 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Tgt Ion:	142	Resp:	664000
Ion Ratio	Lower	Upper	
142	100		
141	88.1	71.4	107.2
115	33.3	28.7	43.1

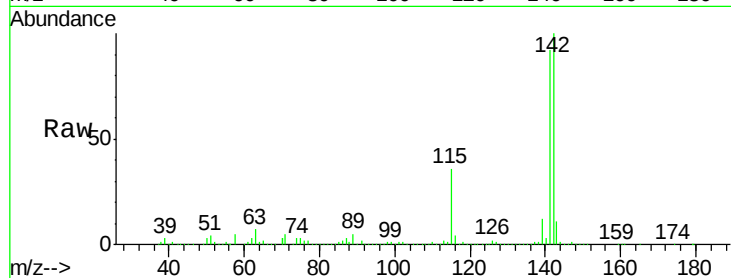




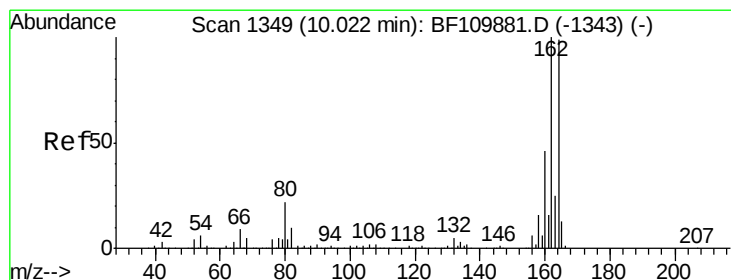
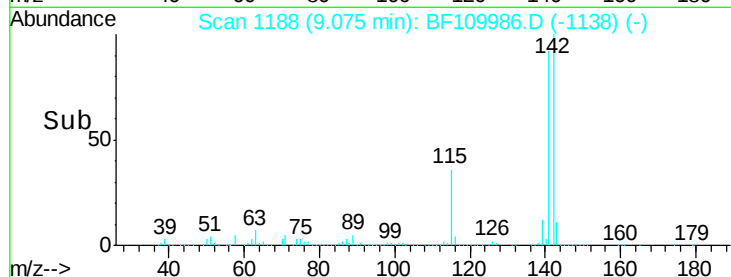
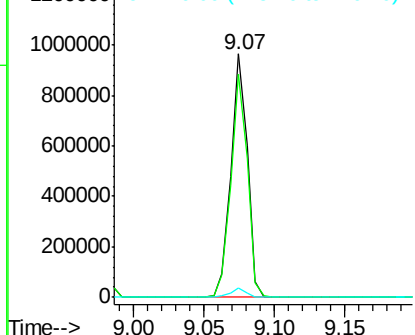
#38
1-Methylnaphthalene
Concen: 39.621 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-B

Tgt Ion:142 Resp: 783217
Ion Ratio Lower Upper
142 100
141 91.8 74.2 111.4
116 3.8 2.6 4.0

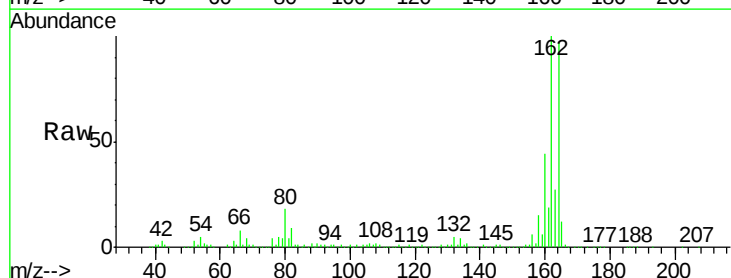


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

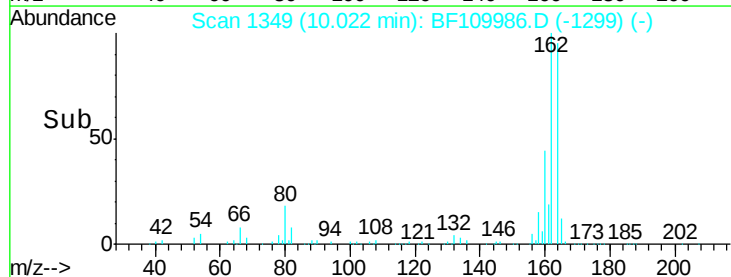
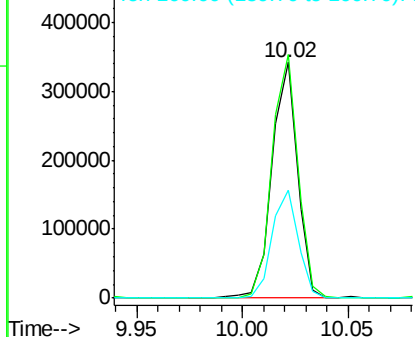


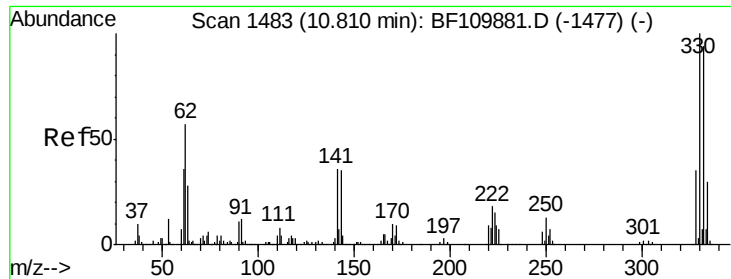
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Tgt Ion:164 Resp: 288234
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.6
160 45.6 37.0 55.6



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

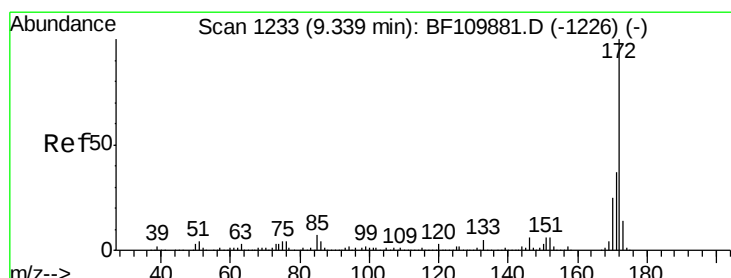
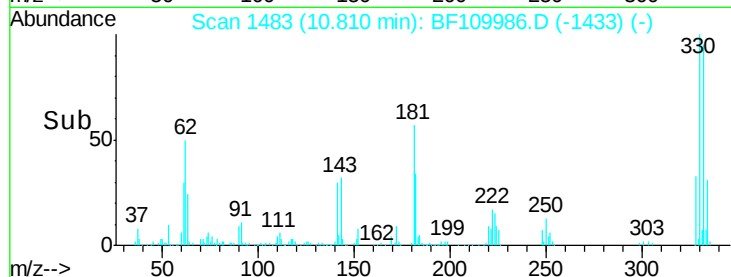
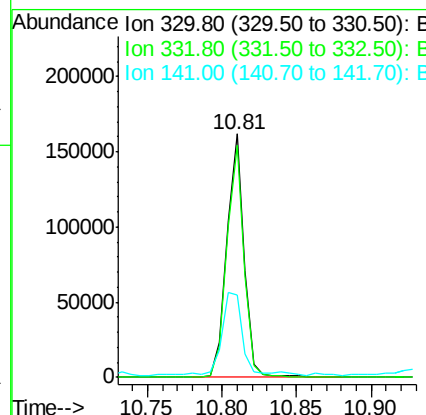
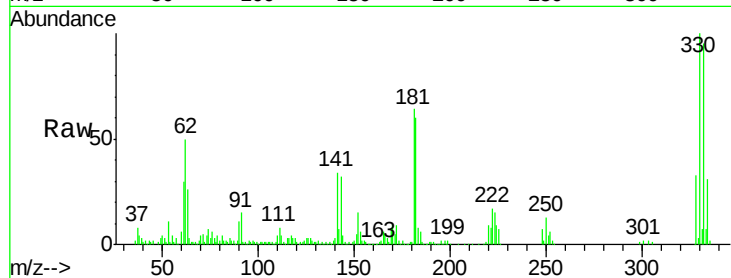




#42
 2,4,6-Tribromophenol
 Concen: 53.400 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109986.D
 Acq: 19 Oct 2018 3:45

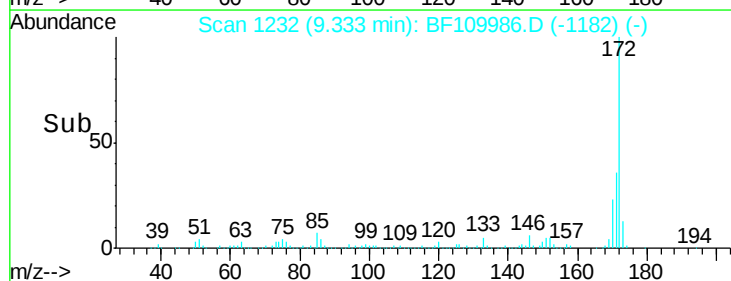
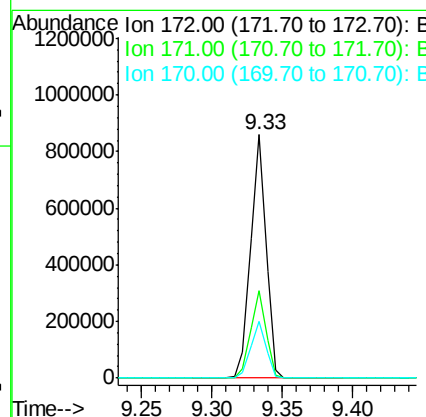
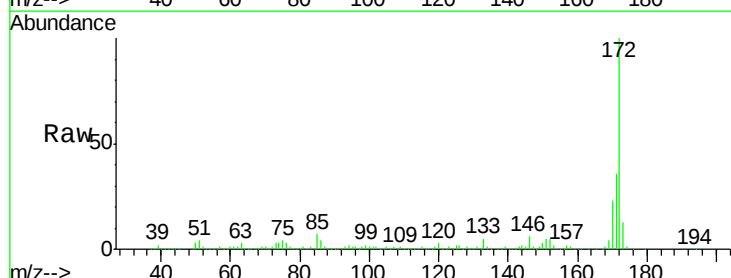
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101718-B

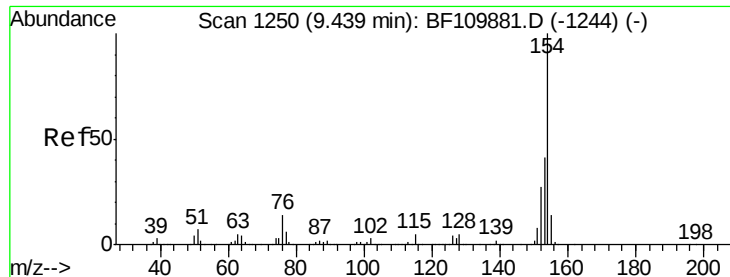
Tgt Ion:330 Resp: 133258
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.1 115.7
 141 38.3 27.0 40.4



#45
 2-Fluorobiphenyl
 Concen: 36.469 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109986.D
 Acq: 19 Oct 2018 3:45

Tgt Ion:172 Resp: 658768
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.3 19.7 29.5

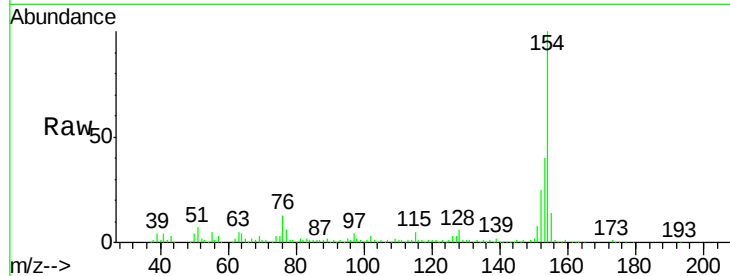




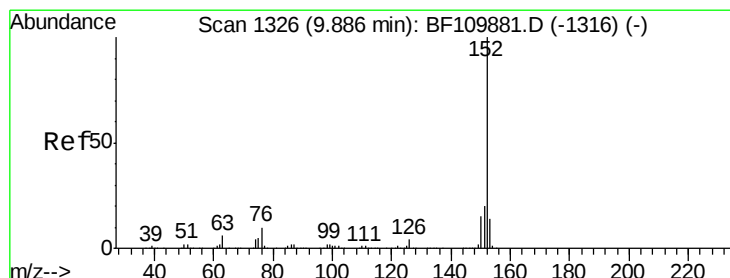
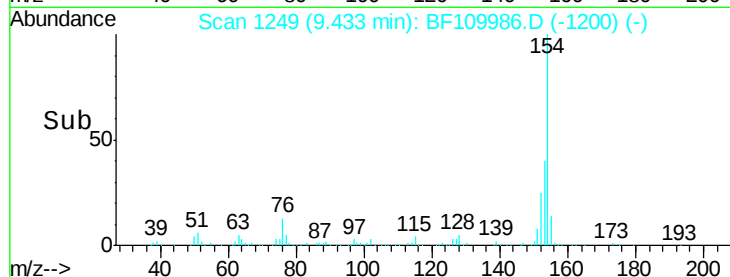
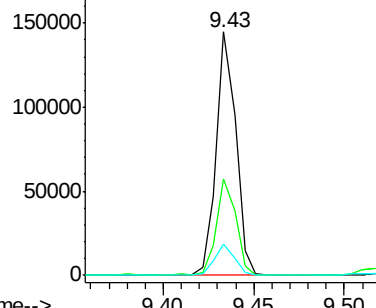
#46
1,1'-Biphenyl
Concen: 4.249 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-B

Tgt Ion:	154	Resp:	109104
Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.4	60.4
76	12.7	0.0	31.9

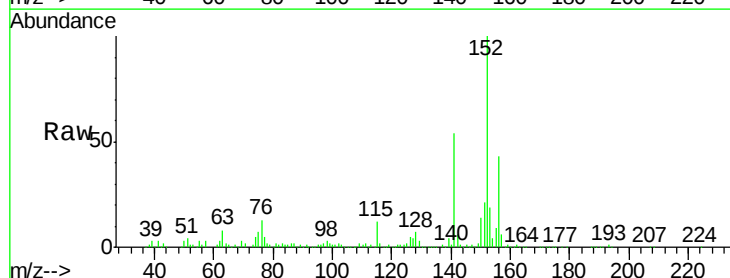


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

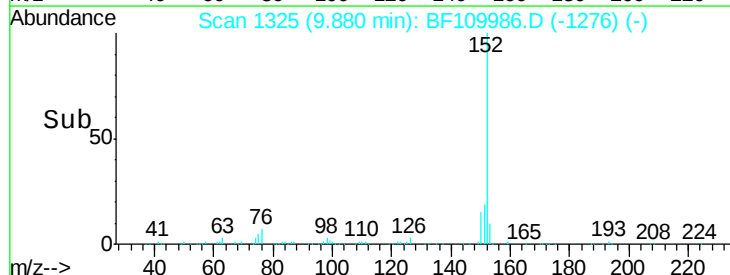
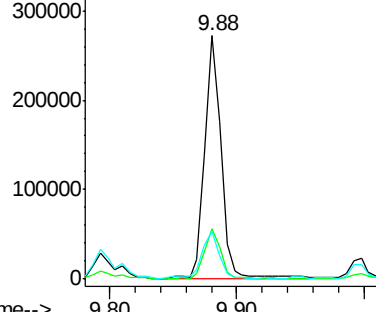


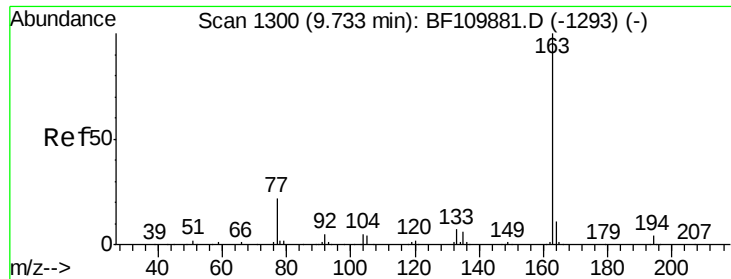
#49
Acenaphthylene
Concen: 8.805 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Tgt Ion:	152	Resp:	241973
Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.8
153	19.4	10.4	15.6#



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

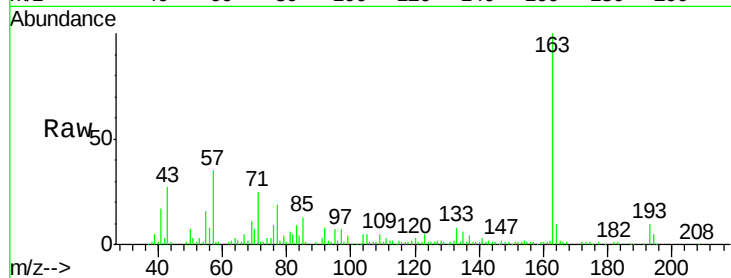




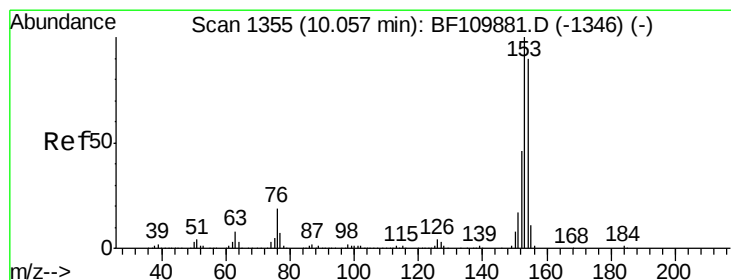
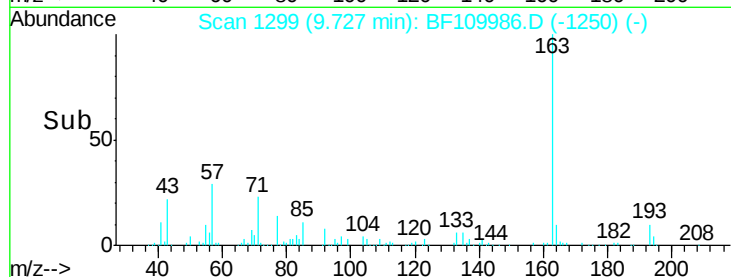
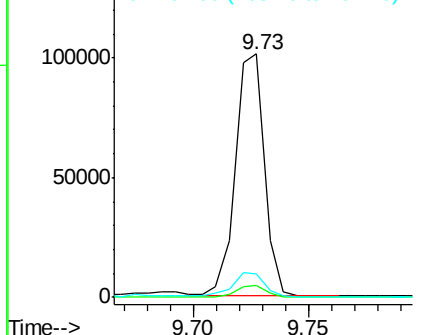
#50
Dimethylphthalate
Concen: 4.357 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-B

Tgt Ion:163 Resp: 88933
Ion Ratio Lower Upper
163 100
194 4.7 3.2 4.8
164 9.5 8.1 12.1

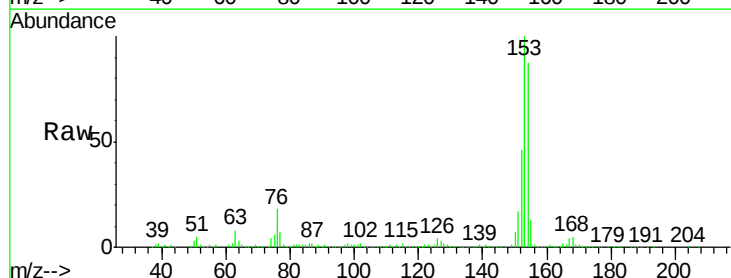


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

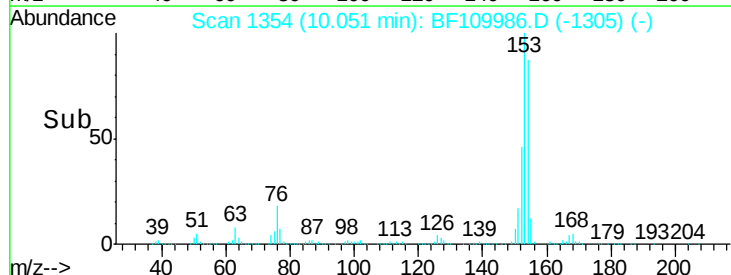
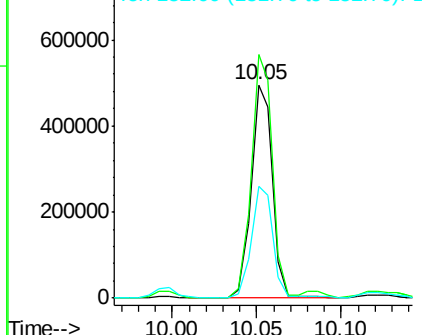


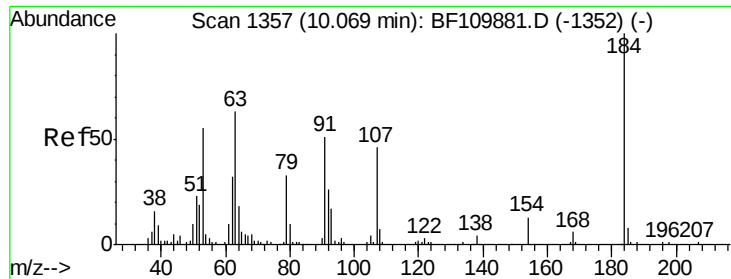
#52
Acenaphthene
Concen: 24.847 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Tgt Ion:154 Resp: 434704
Ion Ratio Lower Upper
154 100
153 114.3 90.1 135.1
152 52.6 43.4 65.2



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

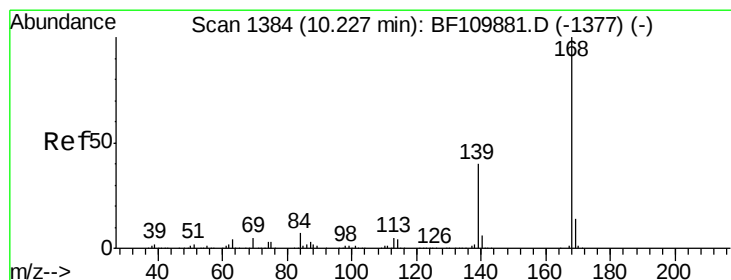
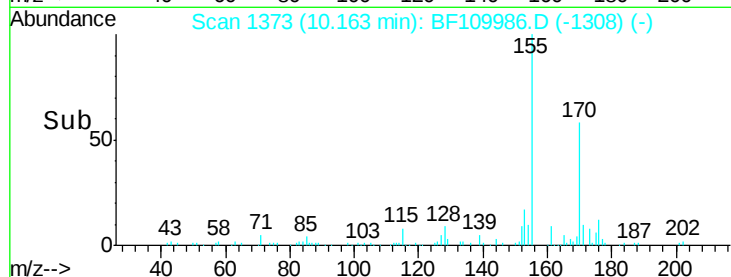
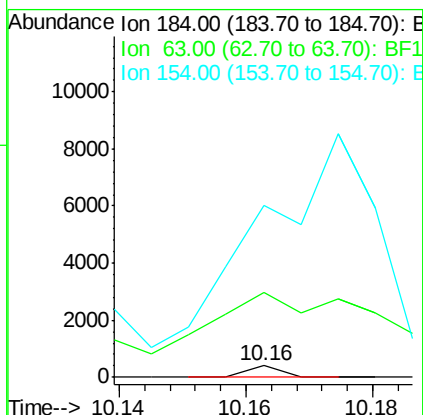
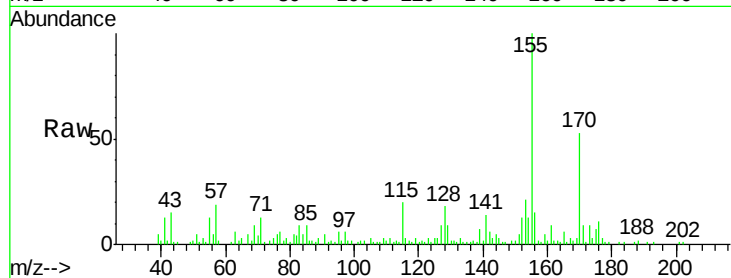




#54
2,4-Dinitrophenol
Concen: 9.012 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.08 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

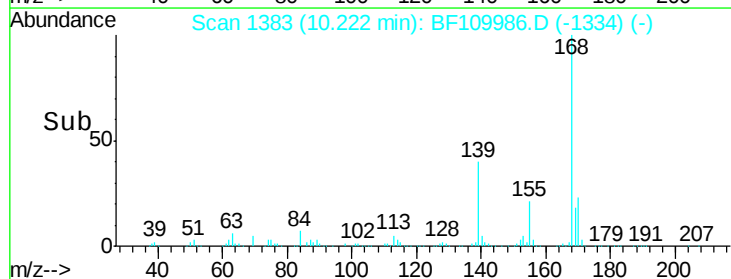
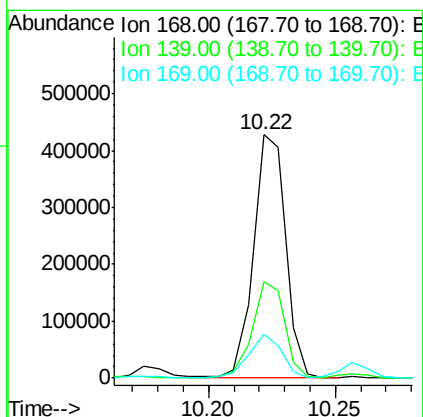
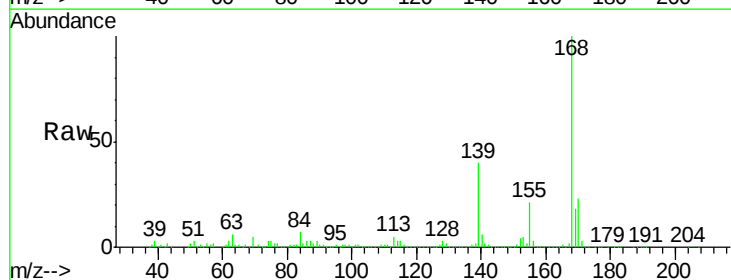
Instrument :
BNA_F
ClientSampleId :
SU-03-101718-B

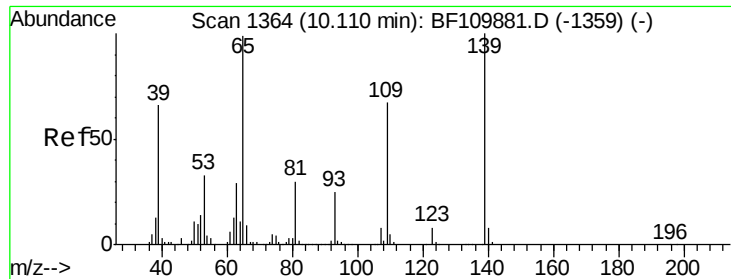
Tgt Ion:184 Resp: 143
Ion Ratio Lower Upper
184 100
63 730.7 55.8 83.6#
154 1487.4 63.2 94.8#



#55
Dibenzofuran
Concen: 15.173 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Tgt Ion:168 Resp: 378578
Ion Ratio Lower Upper
168 100
139 39.6 33.0 49.6
169 18.0 11.3 16.9#

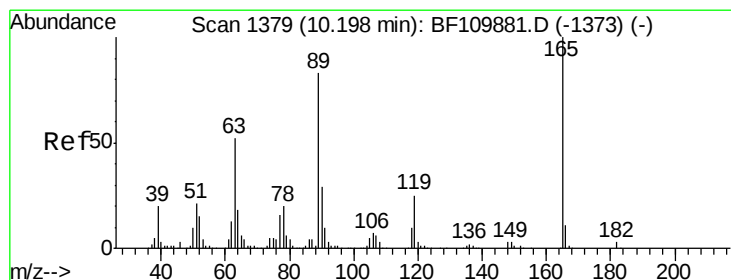
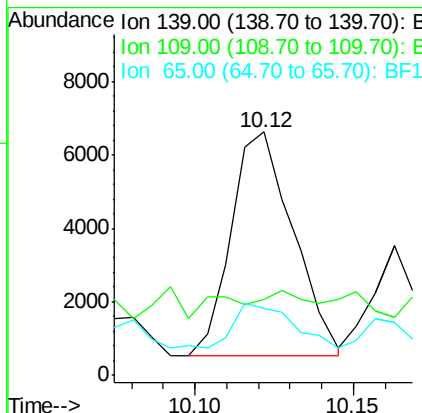
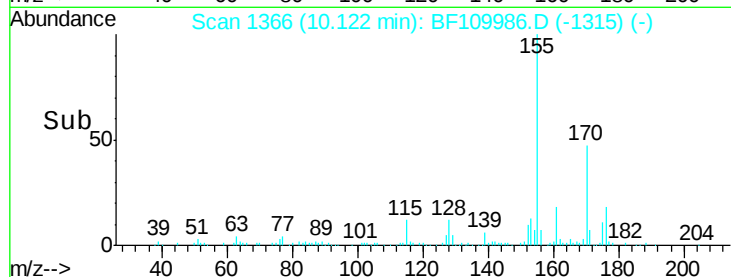
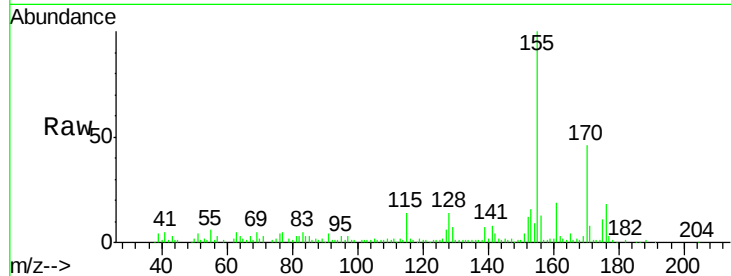




#56
4-Nitrophenol
Concen: 2.303 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

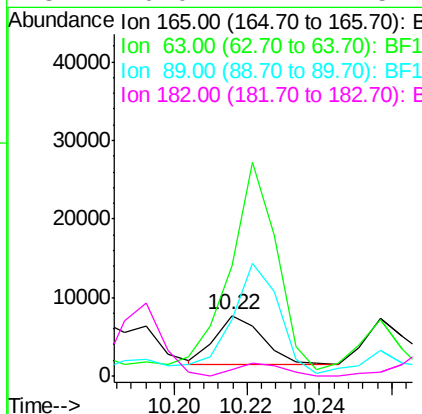
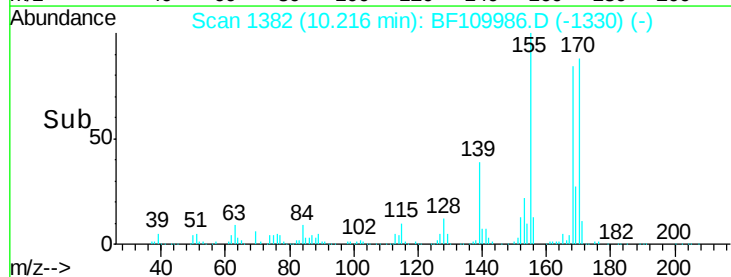
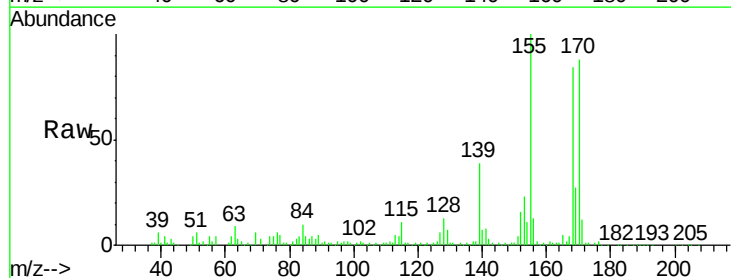
Instrument :
BNA_F
ClientSampleId :
SU-03-101718-B

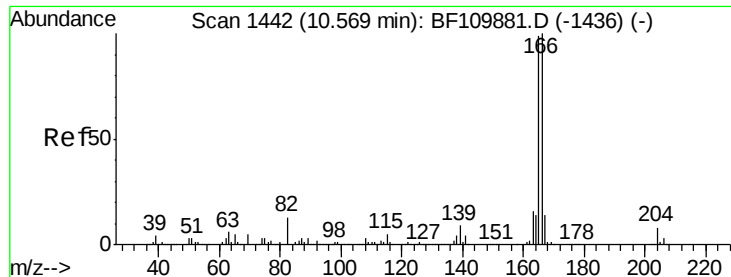
Tgt Ion:139 Resp: 8287
Ion Ratio Lower Upper
139 100
109 31.3 55.8 95.8#
65 27.4 77.9 117.9#



#57
2,4-Dinitrotoluene
Concen: 5.595 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Tgt Ion:165 Resp: 5479
Ion Ratio Lower Upper
165 100
63 183.3 44.8 67.2#
89 92.8 62.2 93.4
182 10.0 2.1 3.1#





#58

Fluorene

Concen: 38.594 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-B

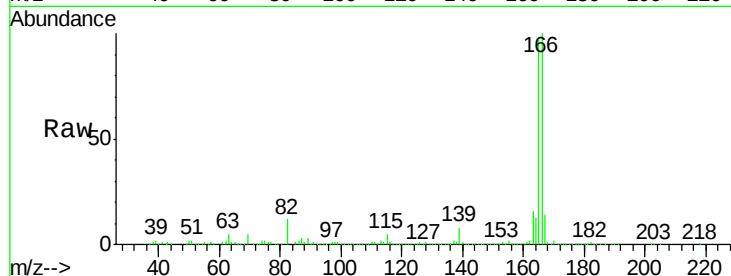
Tgt Ion:166 Resp: 700984

Ion Ratio Lower Upper

166 100

165 97.3 78.6 117.8

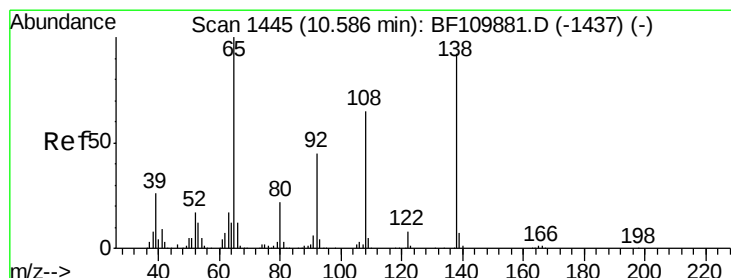
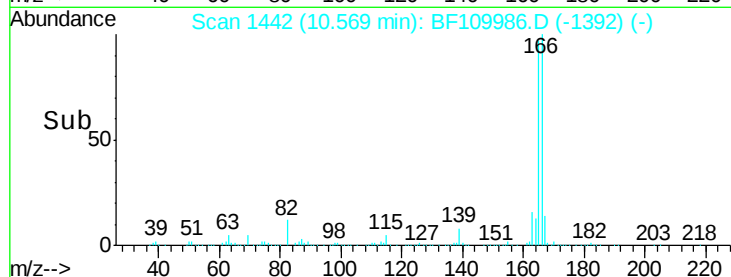
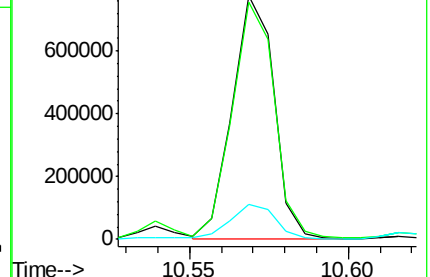
167 14.4 10.8 16.2



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



#62

4-Nitroaniline

Concen: 2.192 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.02 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

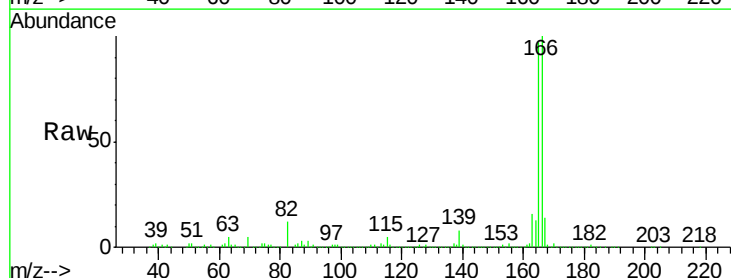
Tgt Ion:138 Resp: 9784

Ion Ratio Lower Upper

138 100

92 6.4 31.7 71.7#

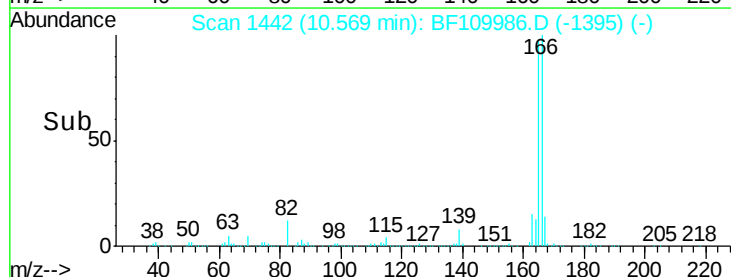
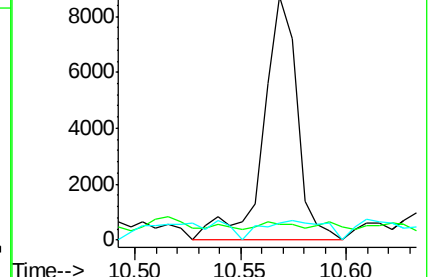
108 7.1 59.3 99.3#

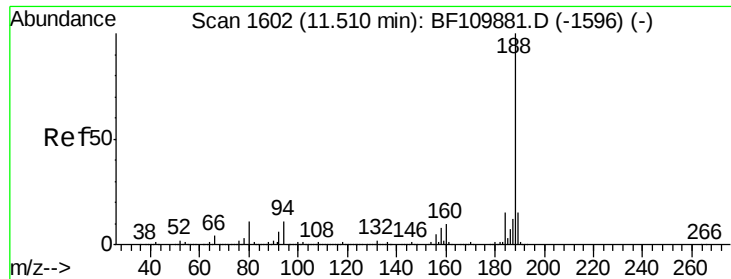


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.00 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-B

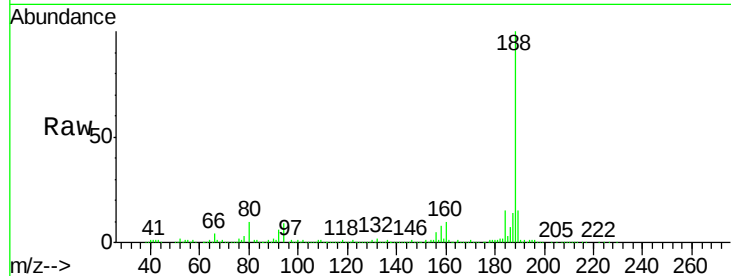
Tgt Ion:188 Resp: 504352

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

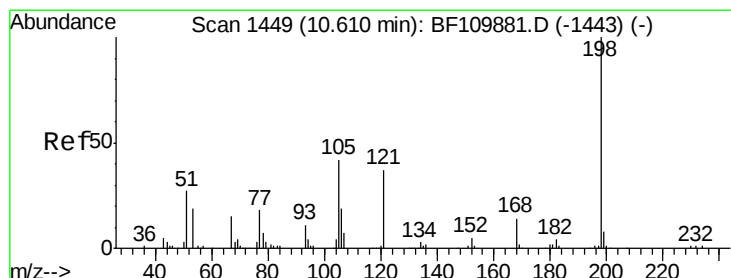
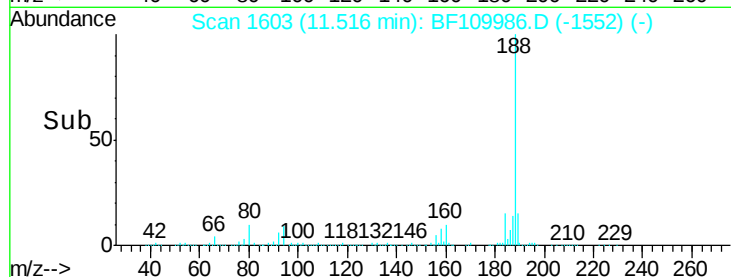
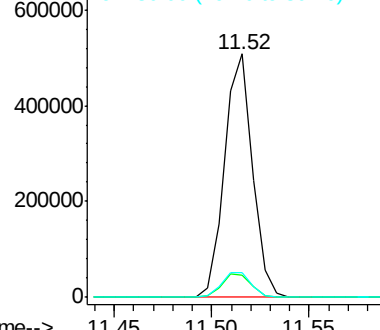
80 9.9 7.9 11.9



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: 8.072 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

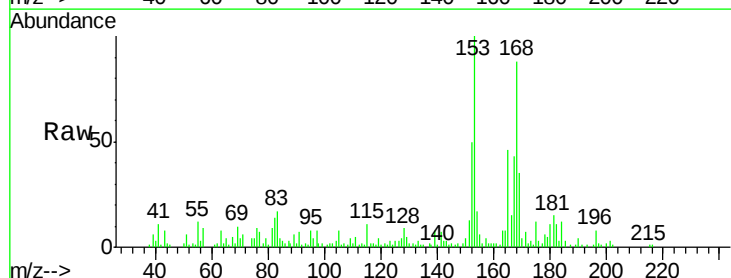
Tgt Ion:198 Resp: 367

Ion Ratio Lower Upper

198 100

51 635.7 22.8 62.8#

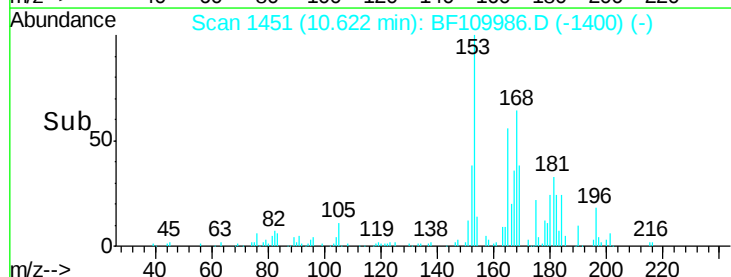
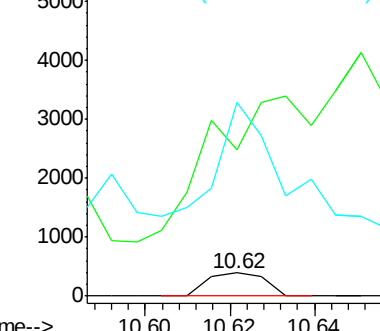
105 842.2 23.6 63.6#

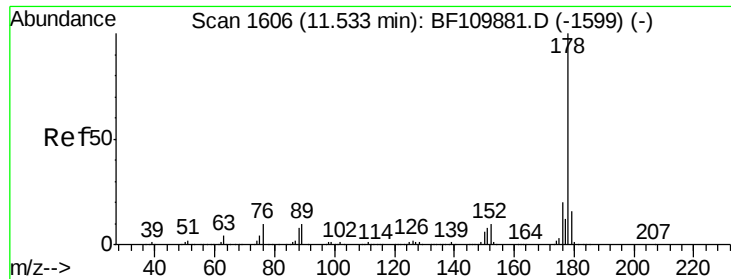


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

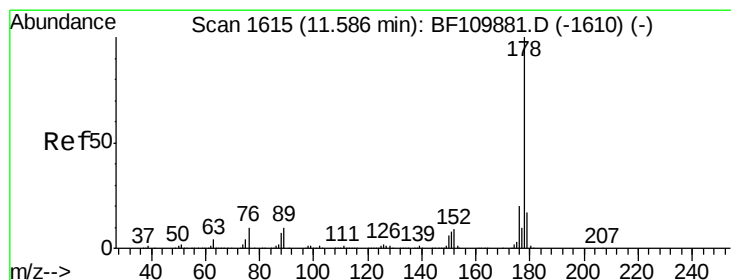
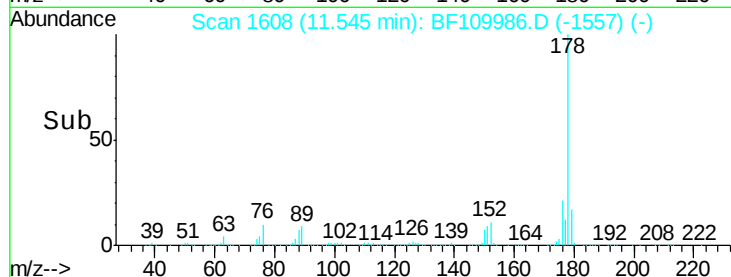
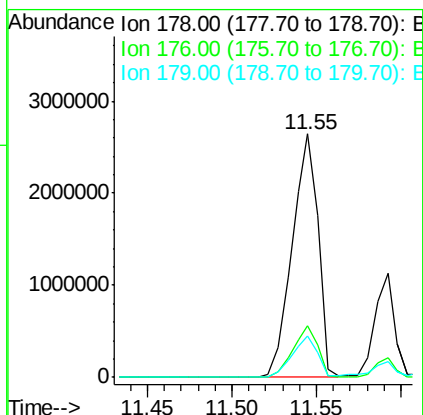
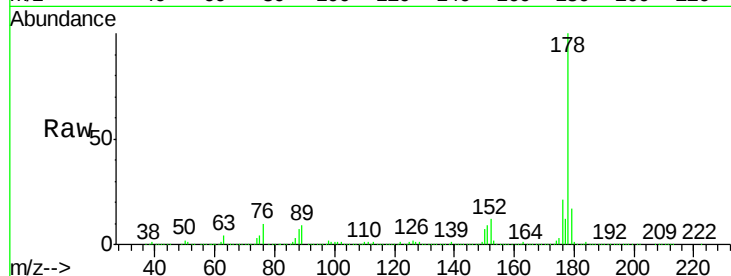




#71
Phenanthrene
Concen: 107.742 ng
RT: 11.55 min Scan# 1608
Delta R.T. -0.00 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

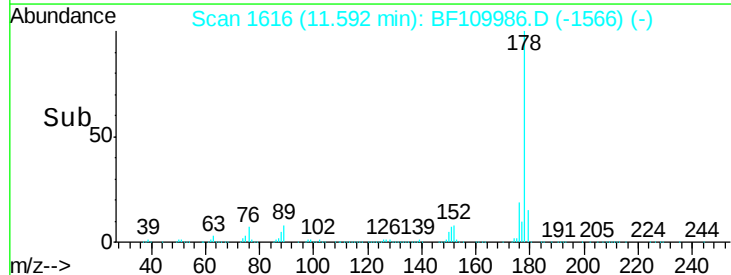
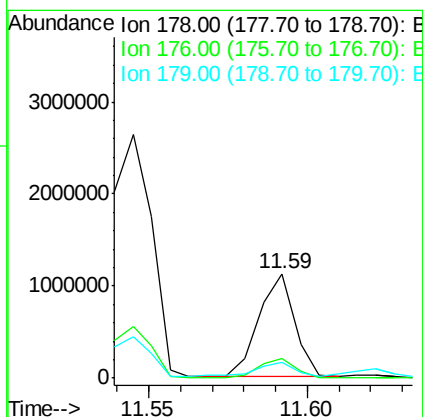
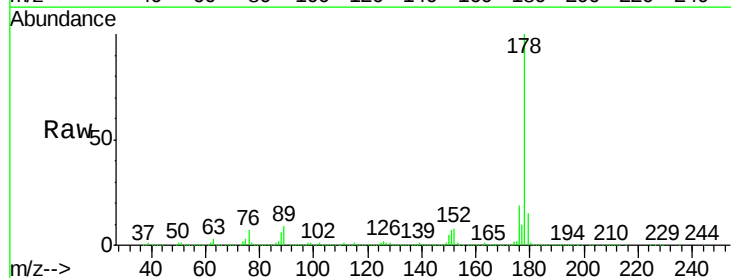
Instrument :
BNA_F
ClientSampleId :
SU-03-101718-B

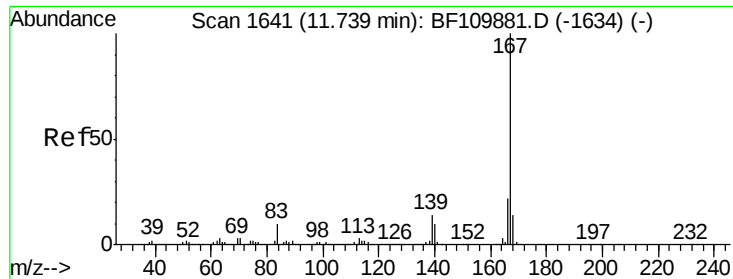
Tgt Ion:178 Resp: 2813203
Ion Ratio Lower Upper
178 100
176 21.3 15.5 23.3
179 17.0 12.5 18.7



#72
Anthracene
Concen: 33.824 ng
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Tgt Ion:178 Resp: 887903
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.5 12.6 18.8

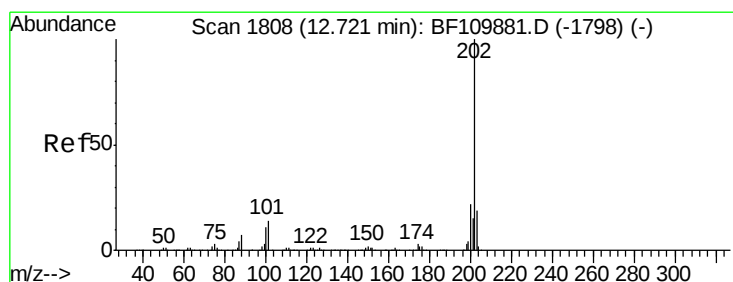
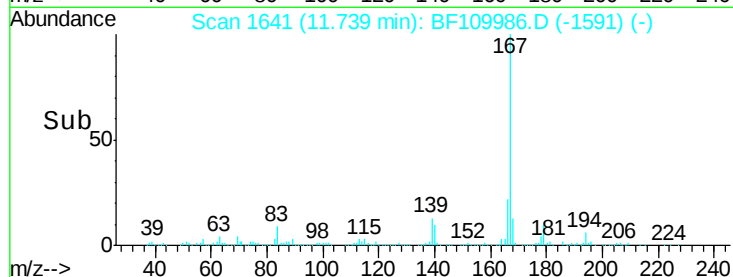
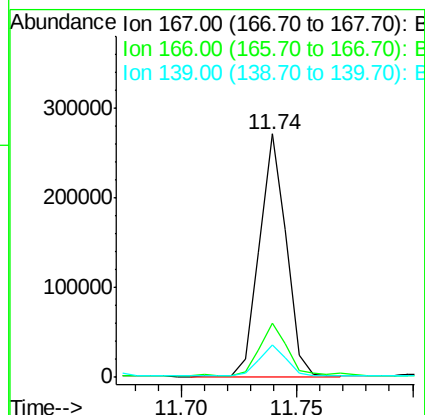
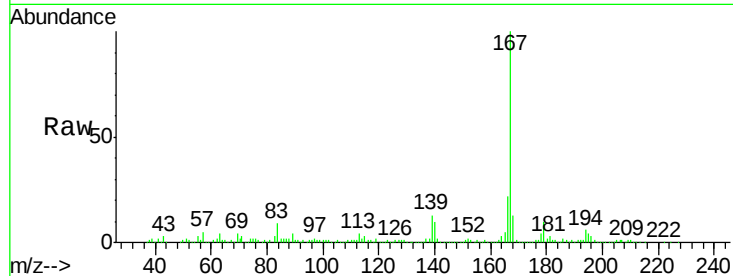




#73
 Carbazole
 Concen: 8.472 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF109986.D
 Acq: 19 Oct 2018 3:45

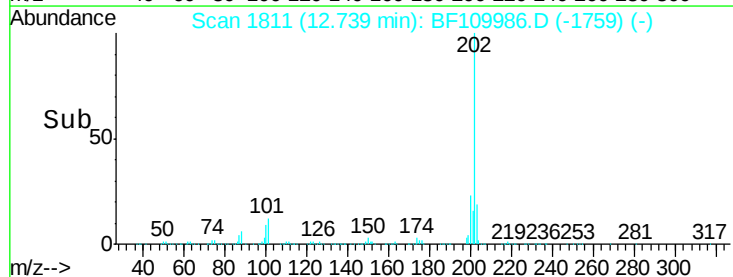
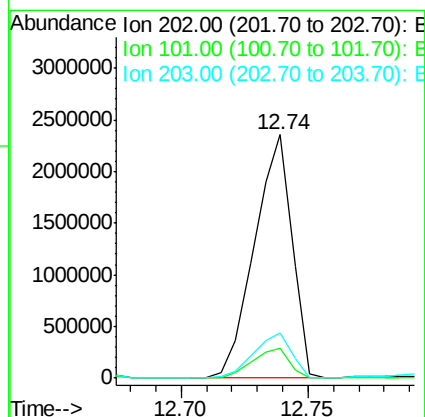
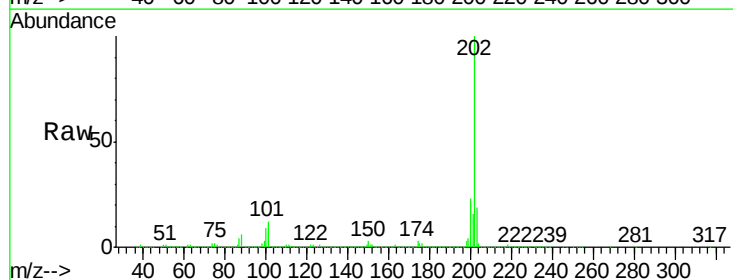
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101718-B

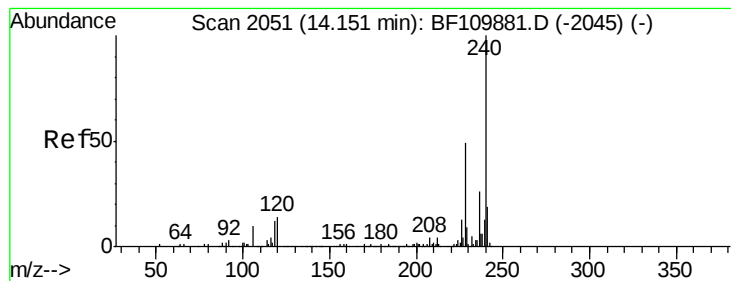
Tgt Ion:167 Resp: 218571
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 13.3 10.9 16.3



#75
 Fluoranthene
 Concen: 93.157 ng
 RT: 12.74 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: BF109986.D
 Acq: 19 Oct 2018 3:45

Tgt Ion:202 Resp: 2429916
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 31.4
 203 18.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-B

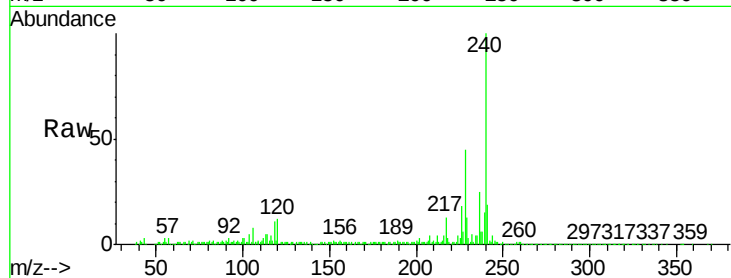
Tgt Ion:240 Resp: 347120

Ion Ratio Lower Upper

240 100

120 12.2 8.3 12.5

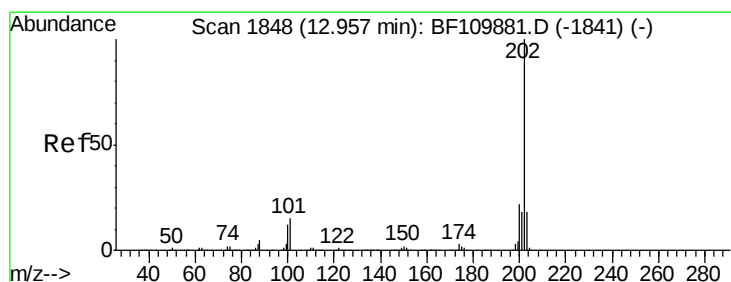
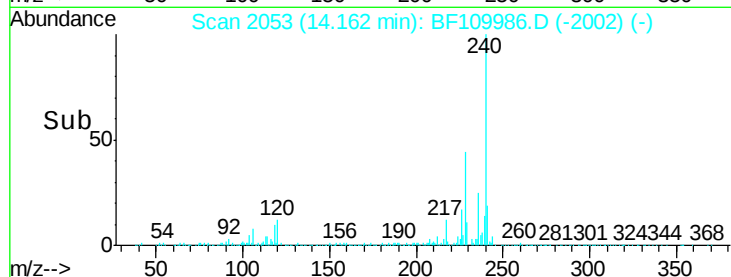
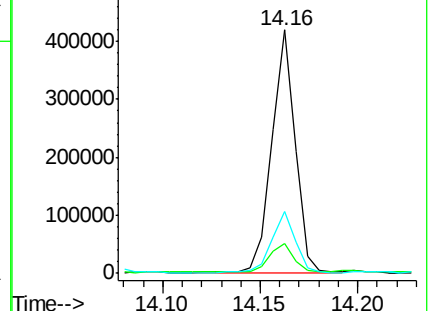
236 25.5 21.2 31.8



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



#78

Pyrene

Concen: 96.254 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

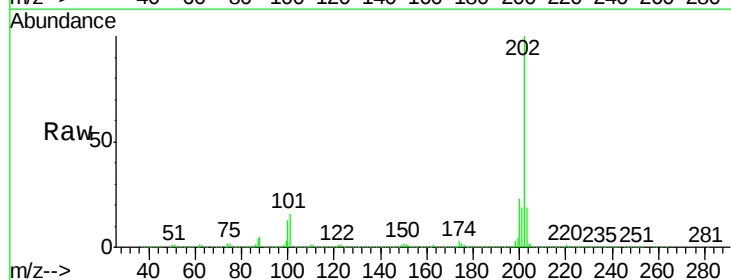
Tgt Ion:202 Resp: 2453998

Ion Ratio Lower Upper

202 100

200 22.6 17.8 26.6

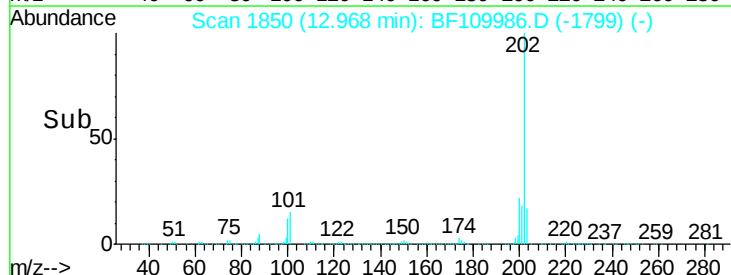
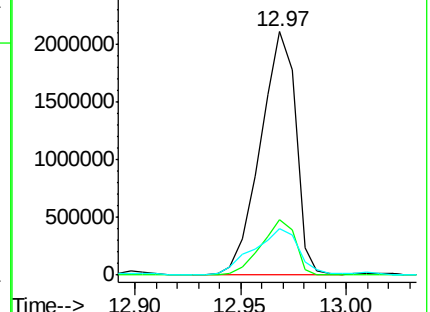
203 18.9 14.2 21.4

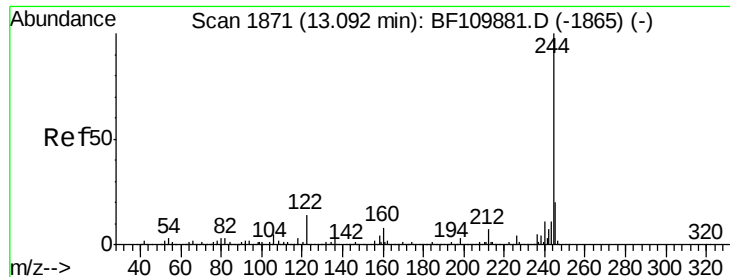


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

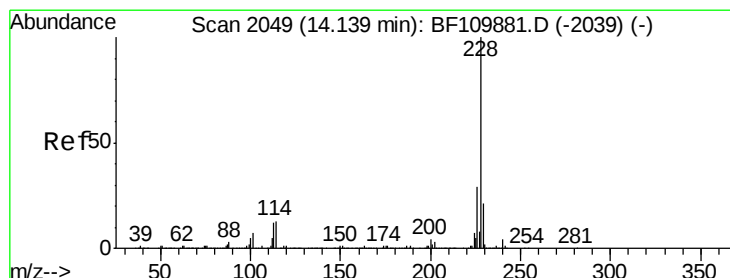
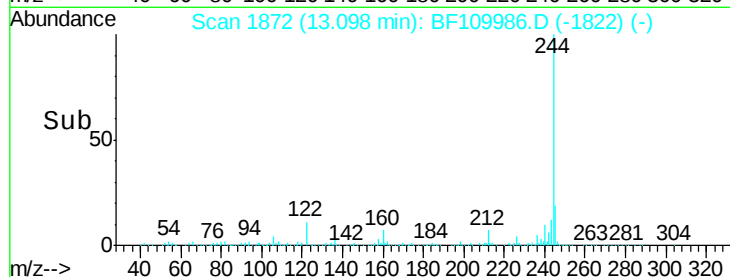
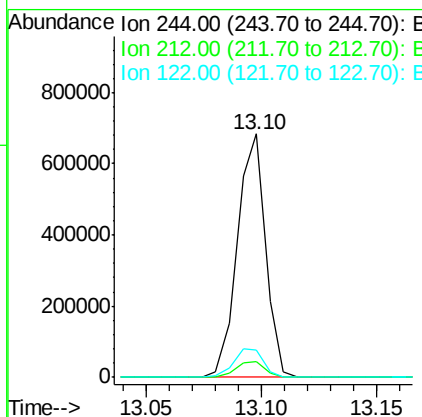
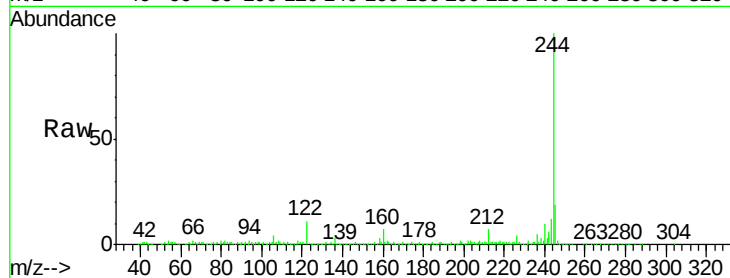




#79
 Terphenyl-d14
 Concen: 35.203 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: BF109986.D
 Acq: 19 Oct 2018 3:45

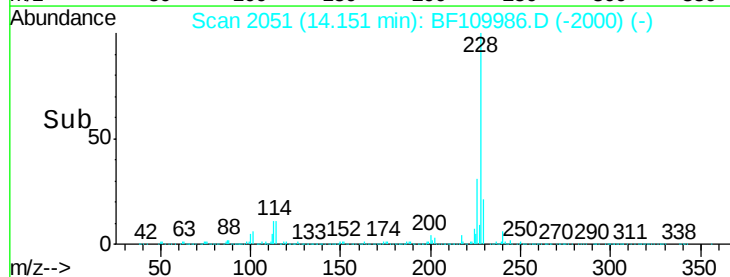
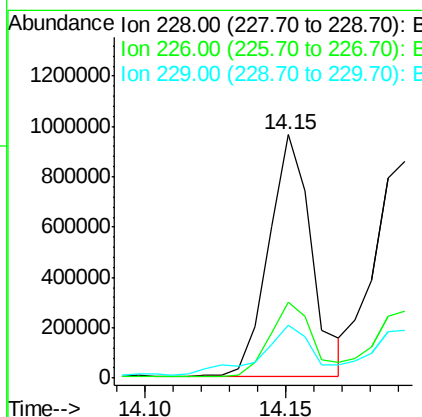
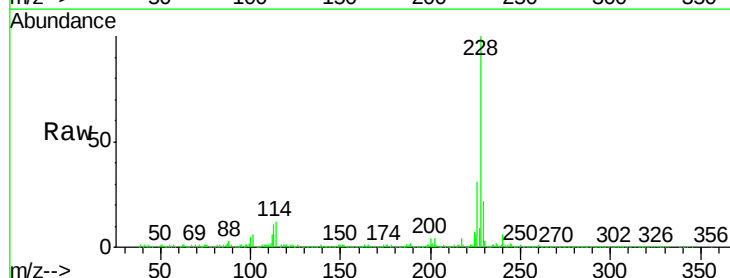
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101718-B

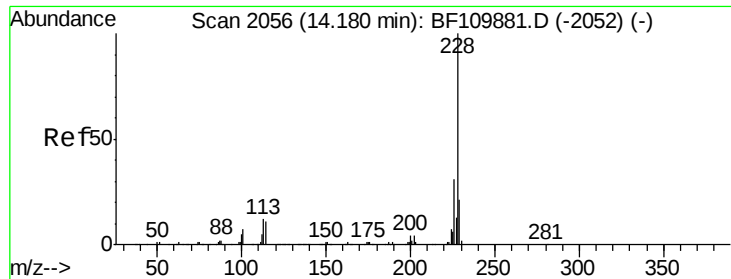
Tgt Ion:244 Resp: 581909
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 11.3 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 49.528 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BF109986.D
 Acq: 19 Oct 2018 3:45

Tgt Ion:228 Resp: 1012669
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.1 33.1
 229 21.9 15.6 23.4





#83

Chrysene

Concen: 44.312 ng

RT: 14.19 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-B

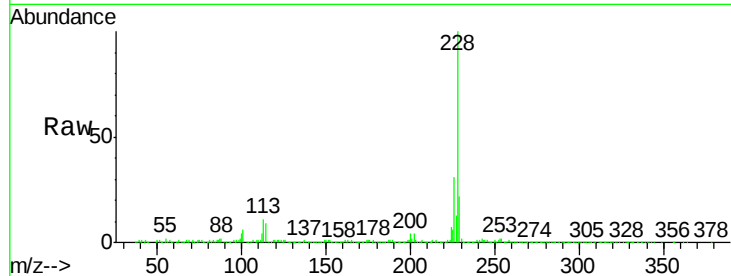
Tgt Ion:228 Resp: 862381

Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

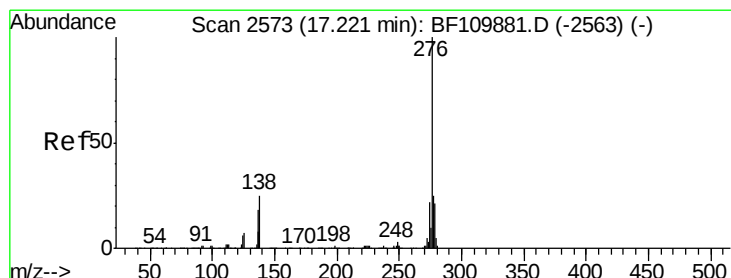
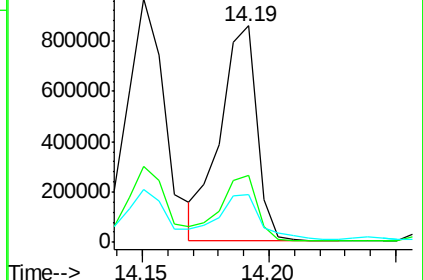
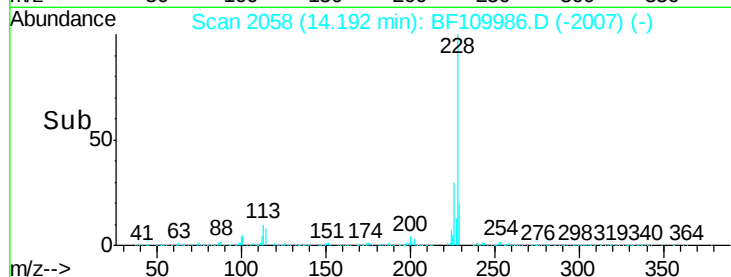
229 22.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 20.961 ng

RT: 17.26 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

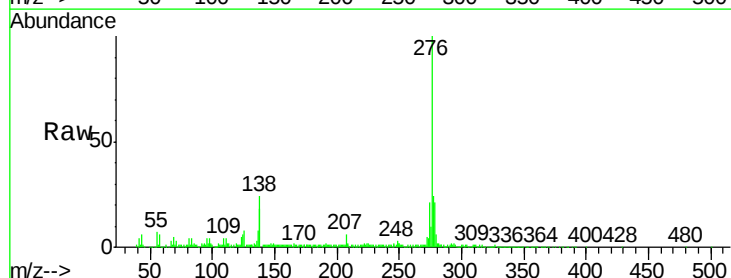
Tgt Ion:276 Resp: 328451

Ion Ratio Lower Upper

276 100

138 24.0 18.5 27.7

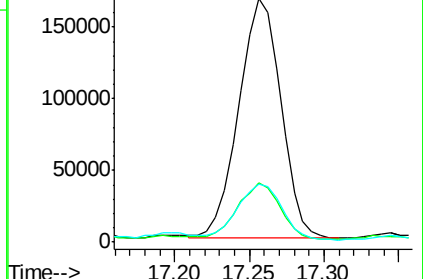
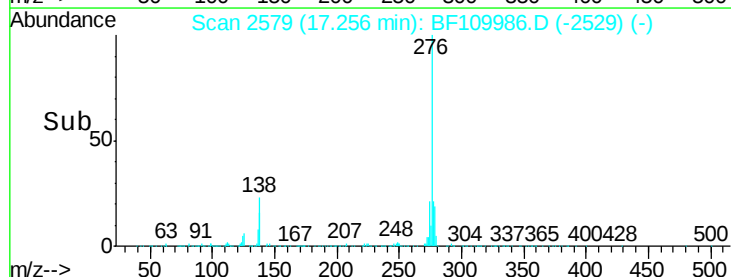
277 24.9 20.0 30.0

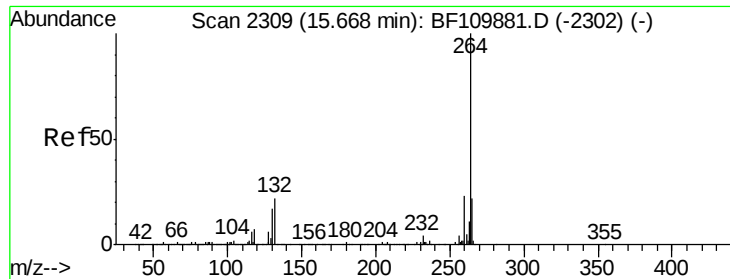


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.00 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-B

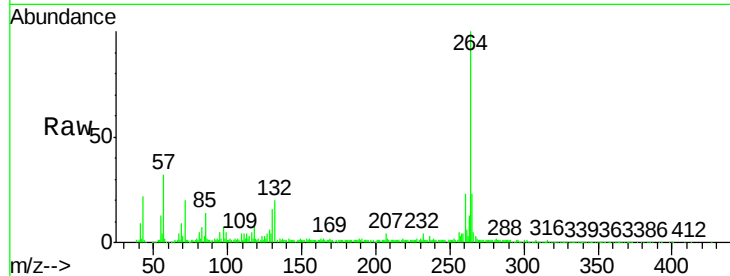
Tgt Ion:264 Resp: 275168

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

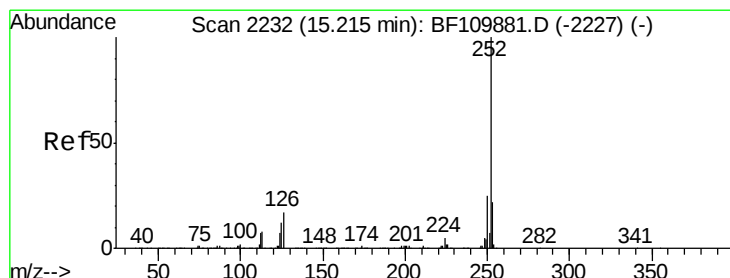
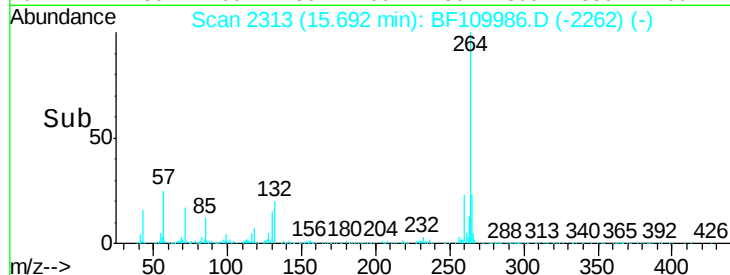
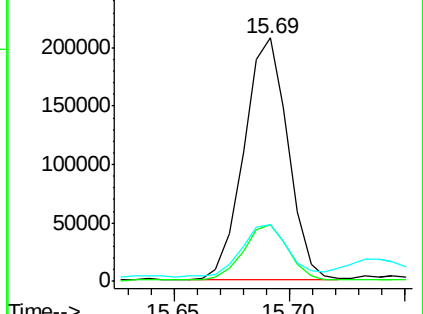
265 23.5 16.7 25.1



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: 66.483 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

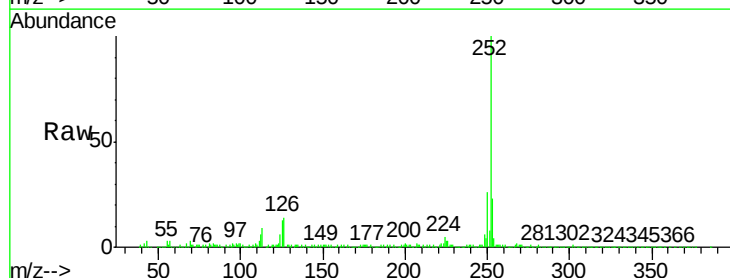
Tgt Ion:252 Resp: 1054689

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

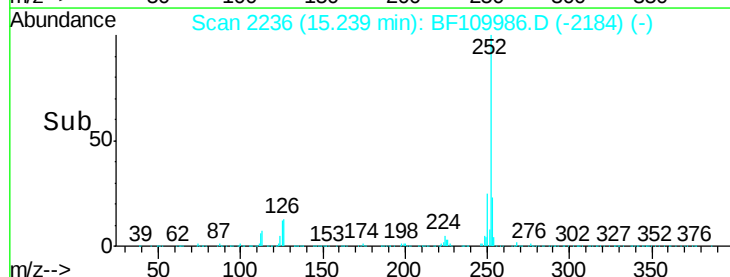
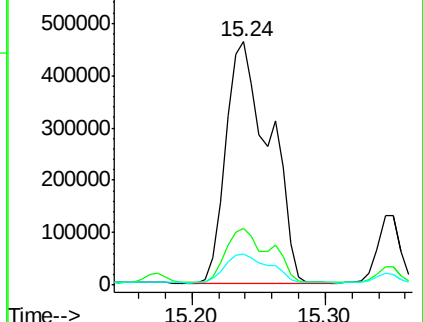
125 13.0 8.2 12.4#

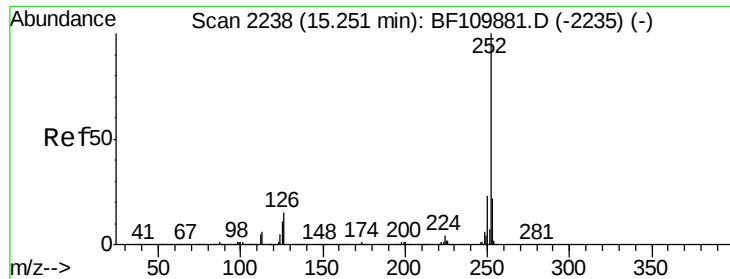


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

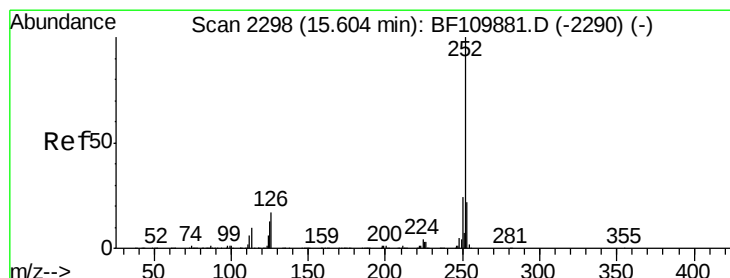
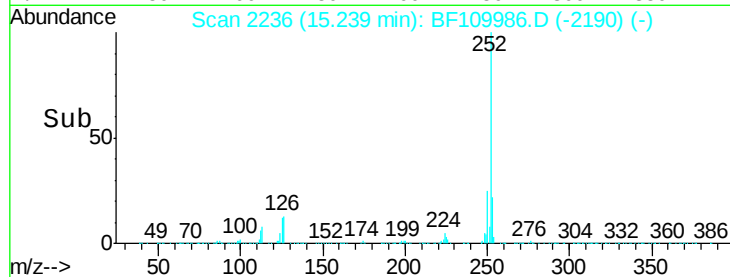
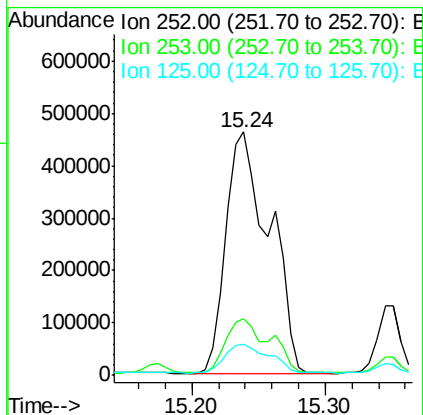
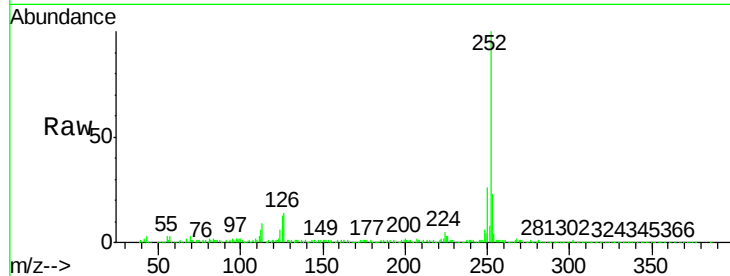




#89
Benzo(k)fluoranthene
Concen: 67.451 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

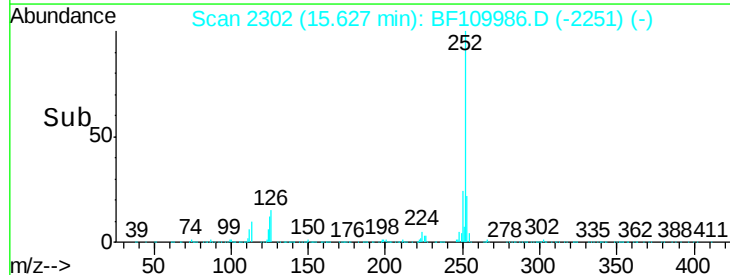
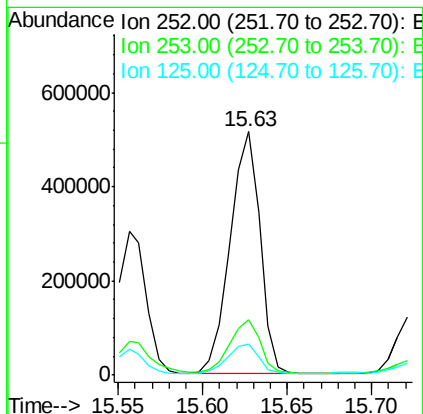
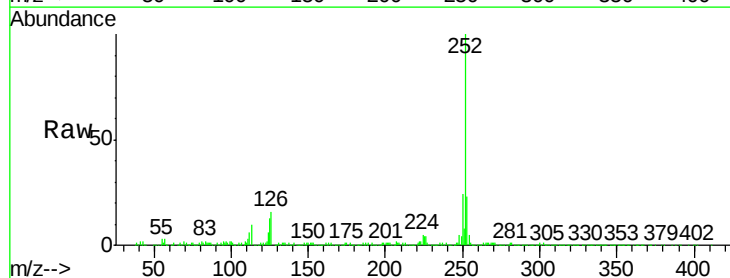
Instrument :
BNA_F
ClientSampleId :
SU-03-101718-B

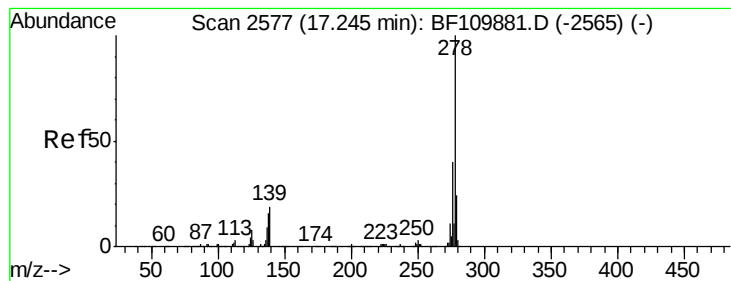
Tgt Ion:252 Resp: 1054689
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 13.0 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 43.557 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BF109986.D
Acq: 19 Oct 2018 3:45

Tgt Ion:252 Resp: 635520
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 13.0 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 6.808 ng

RT: 17.27 min Scan# 2581

Delta R.T. -0.01 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-B

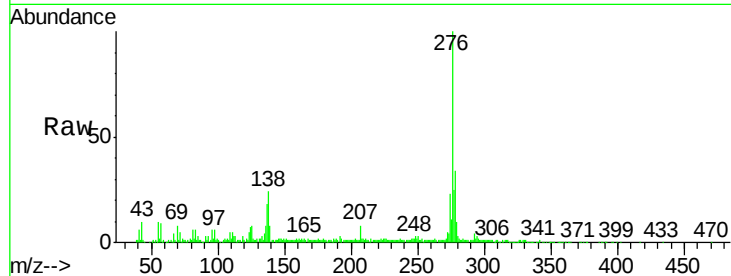
Tgt Ion: 278 Resp: 88035

Ion Ratio Lower Upper

278 100

139 23.2 12.7 19.1#

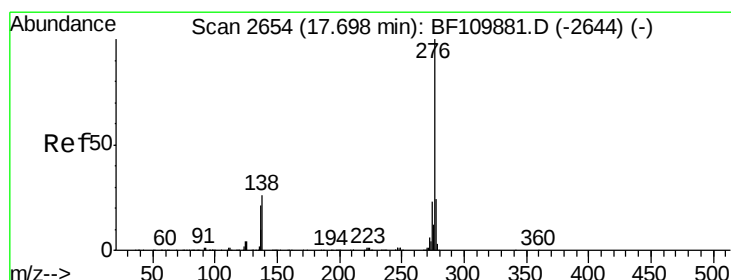
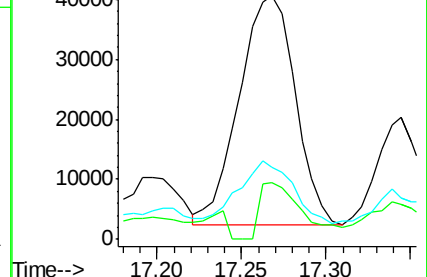
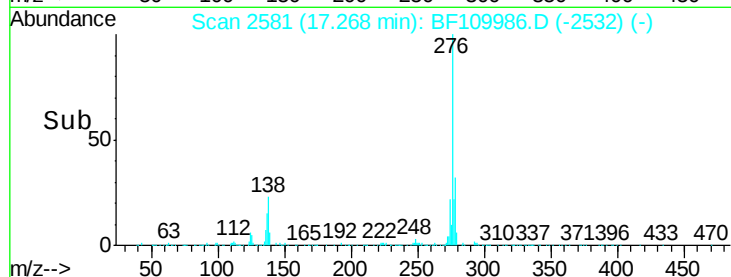
279 29.6 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 23.704 ng

RT: 17.73 min Scan# 2660

Delta R.T. -0.01 min

Lab File: BF109986.D

Acq: 19 Oct 2018 3:45

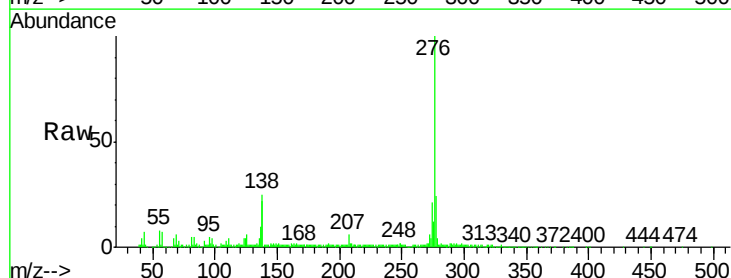
Tgt Ion: 276 Resp: 309676

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 24.7 16.0 24.0#



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

