

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080118\
 Data File : BF107886.D
 Acq On : 1 Aug 2018 13:59
 Operator : JU/SJ
 Sample : J4237-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-023-A

Quant Time: Aug 01 14:49:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	132862	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	540749	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	232019	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	426724	20.00	ng	0.00
75) Chrysene-d12	14.15	240	400971	20.00	ng	0.00
86) Perylene-d12	15.69	264	451593	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	785727	100.51	ng	0.00
7) Phenol-d6	6.60	99	908670	88.19	ng	0.00
23) Nitrobenzene-d5	7.52	82	616465	65.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	245074	77.74	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1070699	64.31	ng	0.00
78) Terphenyl-d14	13.08	244	952319	51.50	ng	0.00

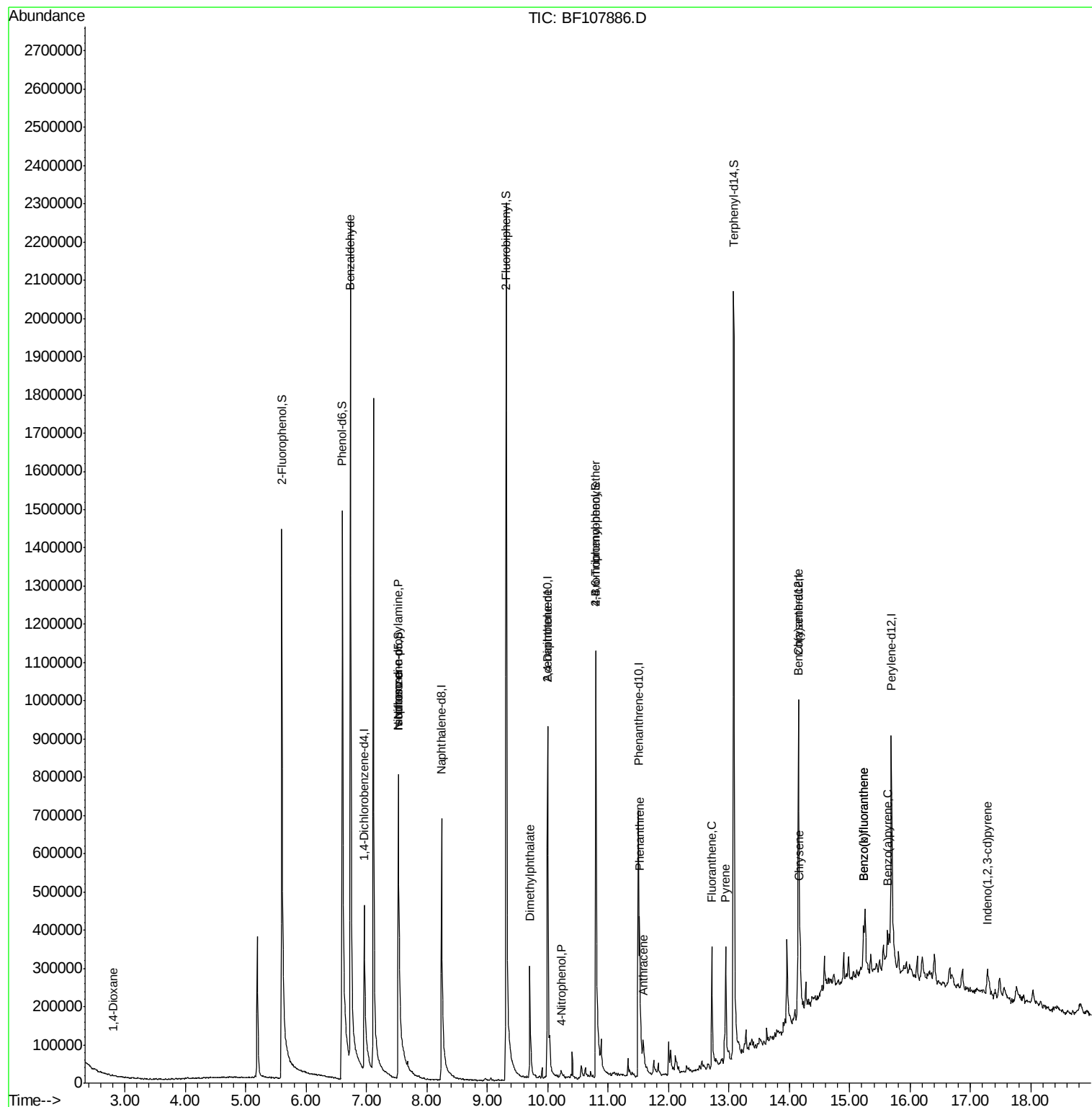
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.81	88	375	5.883	ng	# 20
9) Benzaldehyde	6.74	77	16250	2.614	ng	# 84
19) n-Nitroso-di-n-propylamine	7.52	70	70751	10.825	ng	# 80
25) Isophorone	7.52	82	616465	40.011	ng	# 64
49) Dimethylphthalate	9.71	163	179354	10.293	ng	100
55) 4-Nitrophenol	10.22	139	4877	11.231	ng	# 16
56) 2,4-Dinitrotoluene	10.00	165	28477	5.722	ng	# 23
66) 4-Bromophenyl-phenylether	10.80	248	13510	2.716	ng	# 1
70) Phenanthrene	11.52	178	187302	9.244	ng	98
71) Anthracene	11.58	178	74421	3.184	ng	96
74) Fluoranthene	12.72	202	197045	8.278	ng	96
77) Pyrene	12.95	202	168154	5.824	ng	95
80) Benzo(a)anthracene	14.14	228	90214	3.972	ng	97
82) Chrysene	14.18	228	74740	3.051	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	41241	2.213	ng	# 90
87) Benzo(b)fluoranthene	15.24	252	129829	5.829	ng	# 90
88) Benzo(k)fluoranthene	15.24	252	129829	4.748	ng	93
89) Benzo(a)pyrene	15.63	252	72373	3.148	ng	# 94

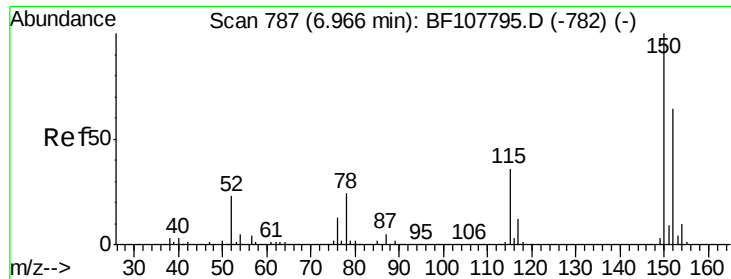
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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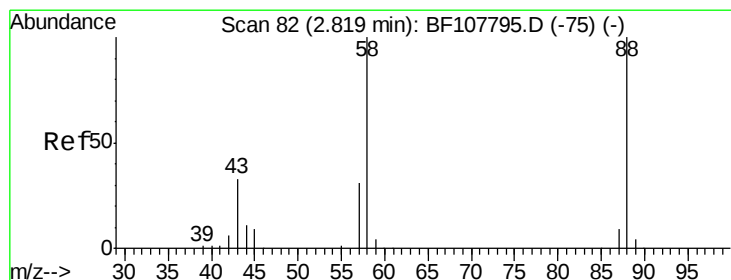
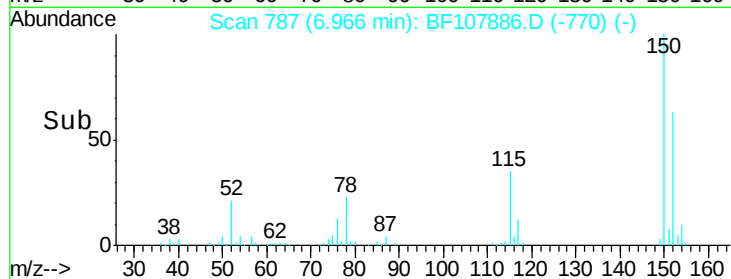
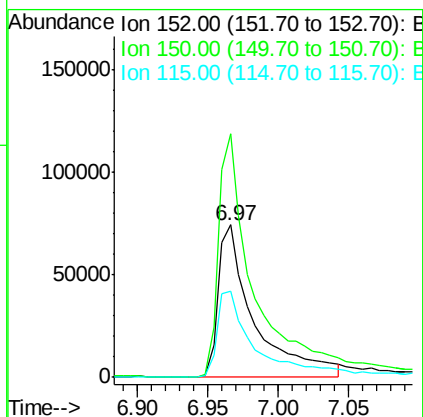
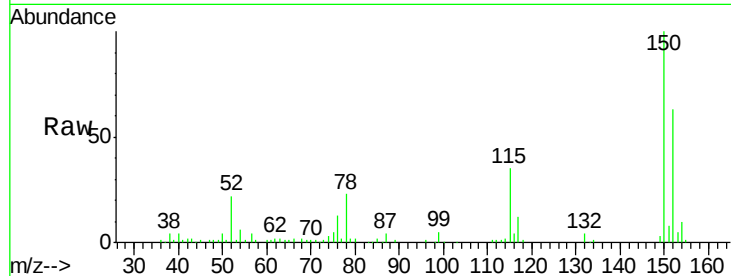


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-023-A

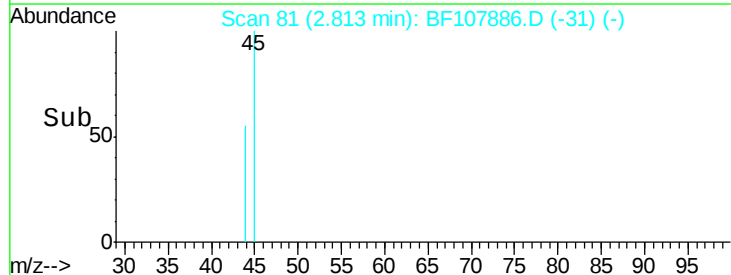
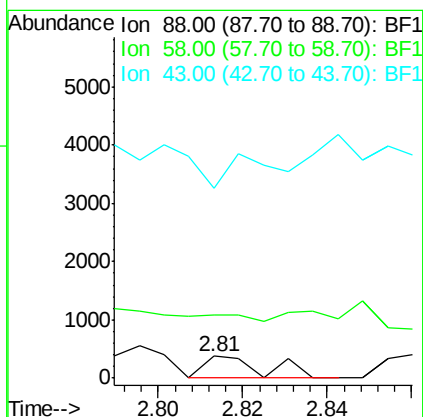
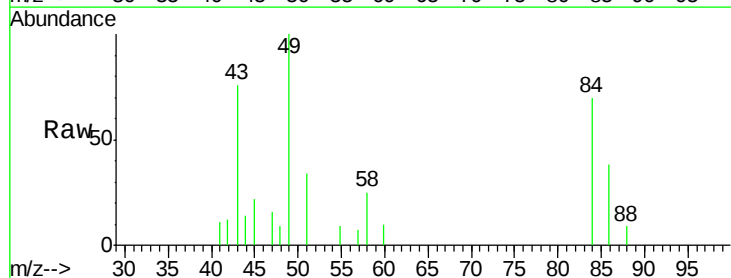
Tgt Ion:152 Resp: 132862
Ion Ratio Lower Upper
152 100
150 159.8 124.6 186.8
115 56.1 50.1 75.1

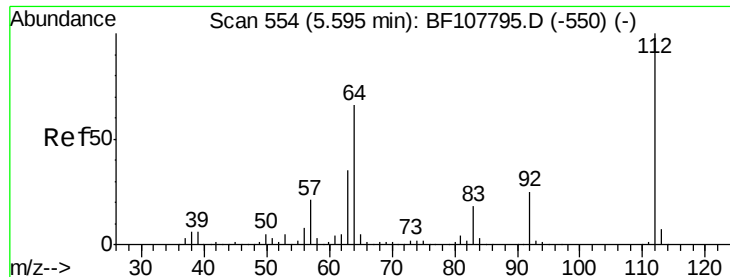


#2

1,4-Dioxane
Concen: 5.883 ng
RT: 2.81 min Scan# 81
Delta R.T. -0.01 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

Tgt Ion: 88 Resp: 375
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 0.0 24.6 37.0#





#5

2-Fluorophenol

Concen: 100.509 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-023-A

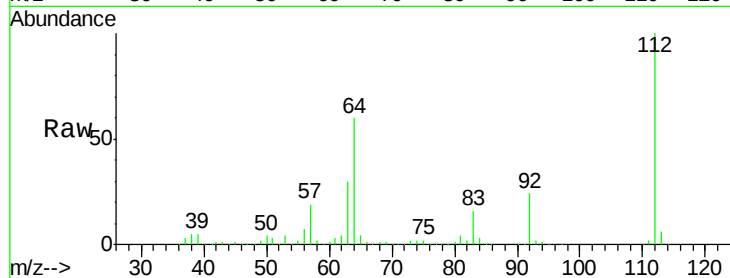
Tgt Ion: 112 Resp: 785727

Ion Ratio Lower Upper

112 100

64 60.5 47.9 71.9

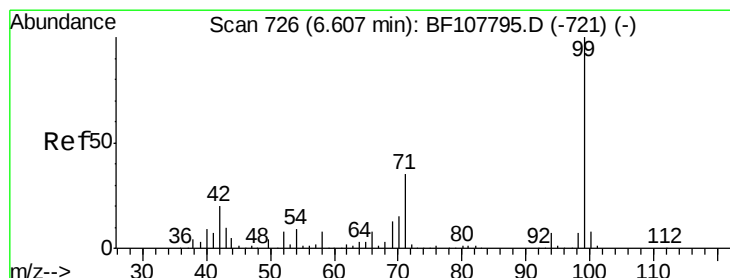
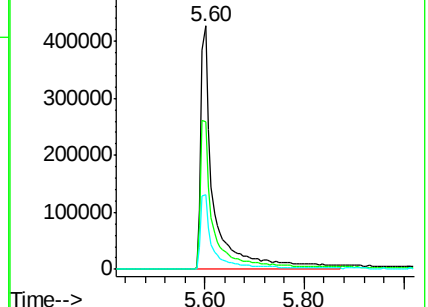
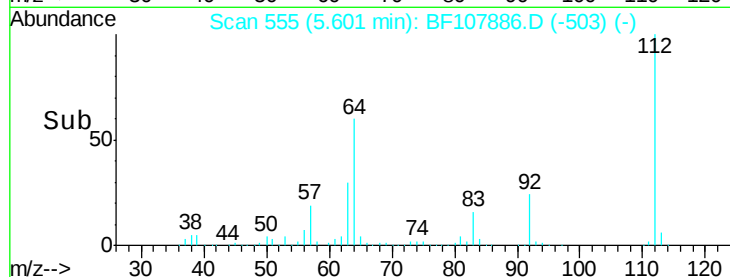
63 30.5 23.7 35.5



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



#7

Phenol-d6

Concen: 88.195 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

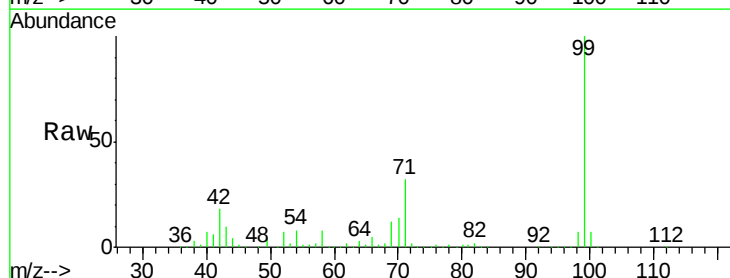
Tgt Ion: 99 Resp: 908670

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

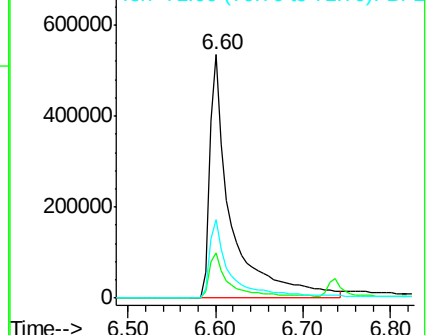
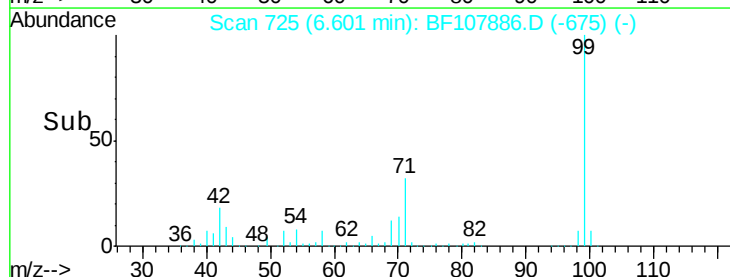
71 32.3 25.4 38.0

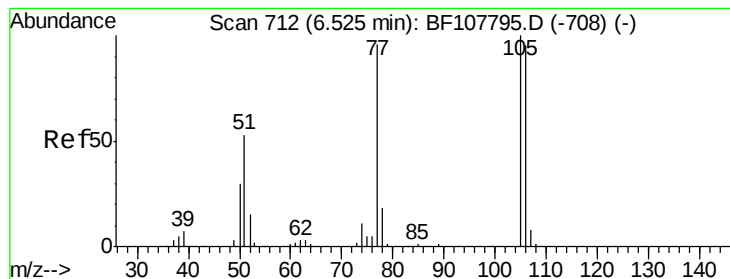


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 2.614 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-023-A

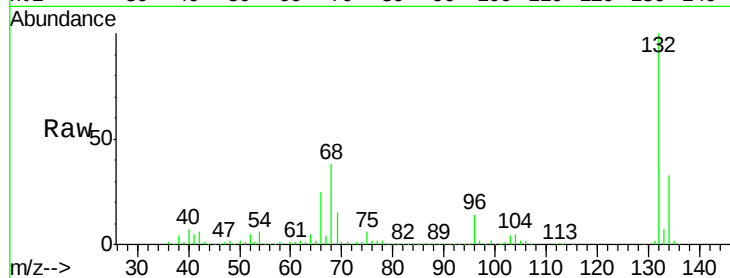
Tgt Ion: 77 Resp: 16250

Ion Ratio Lower Upper

77 100

105 89.1 81.1 121.1

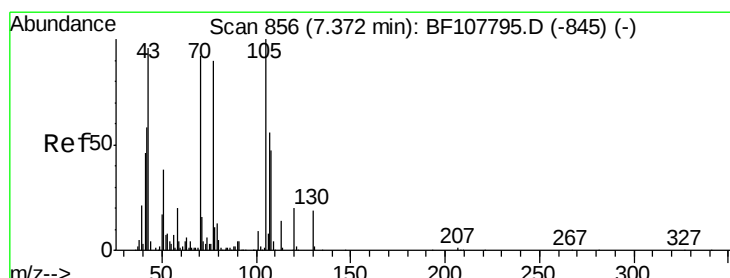
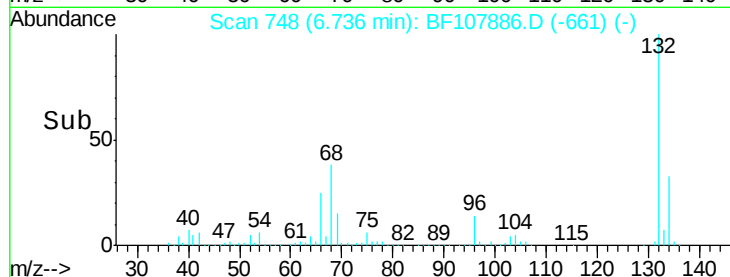
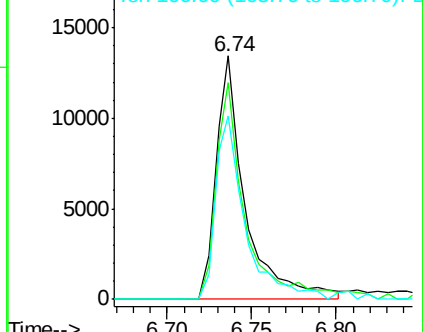
106 75.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.825 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

Tgt Ion: 70 Resp: 70751

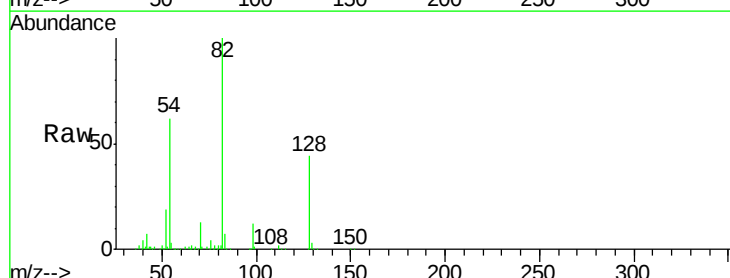
Ion Ratio Lower Upper

70 100

42 49.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

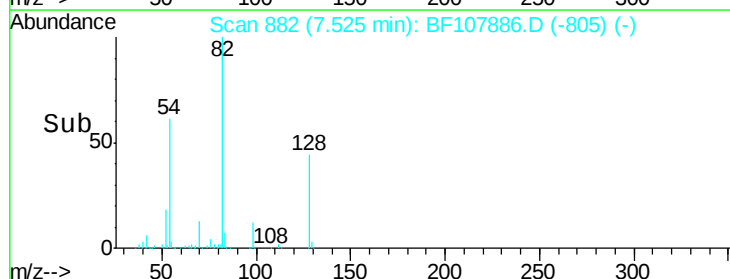
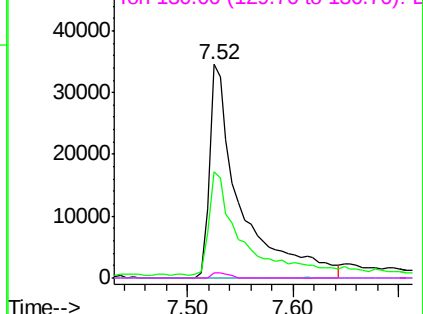


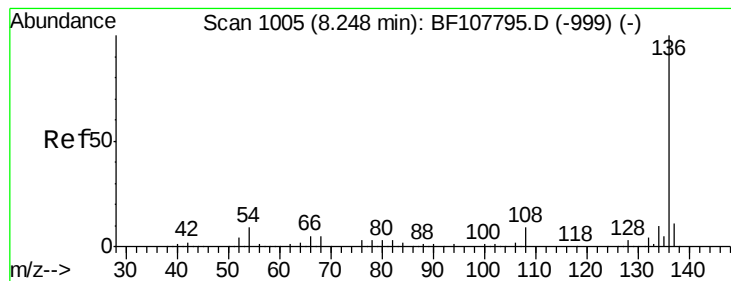
Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-023-A

Tgt Ion: 136 Resp: 540749

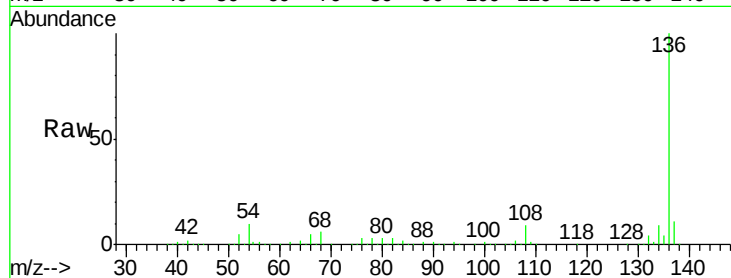
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.1 6.6 9.8#

68 6.3 5.0 7.4

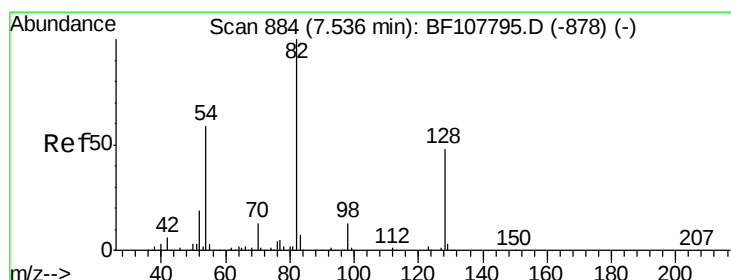
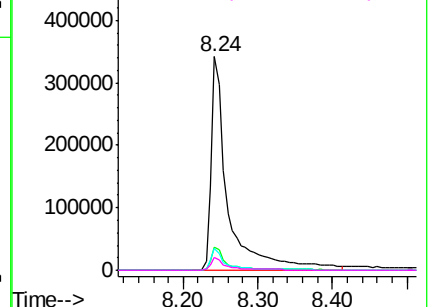
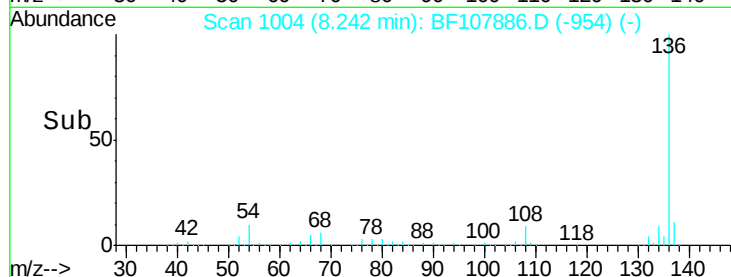


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.677 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

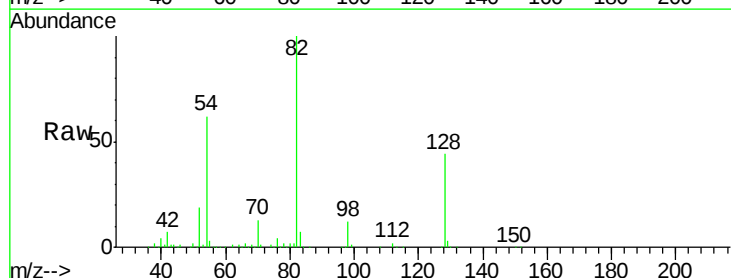
Tgt Ion: 82 Resp: 616465

Ion Ratio Lower Upper

82 100

128 43.8 36.1 54.1

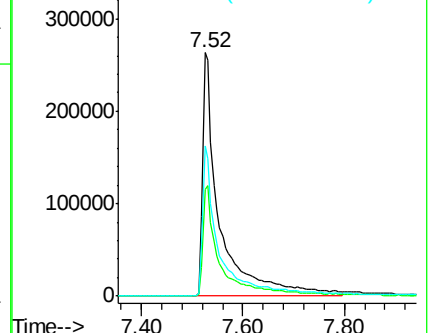
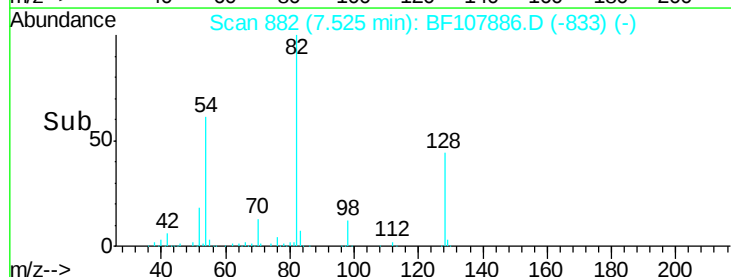
54 61.5 41.4 62.2

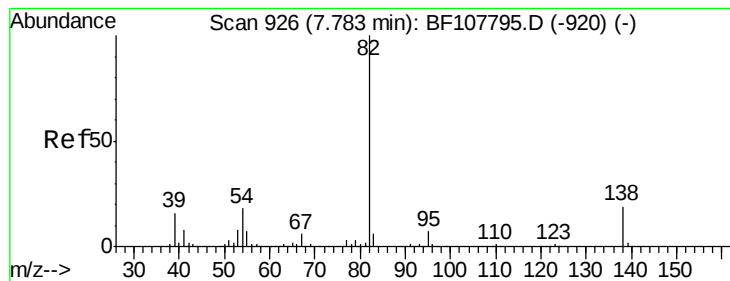


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.011 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

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FK-GF-02-023-A

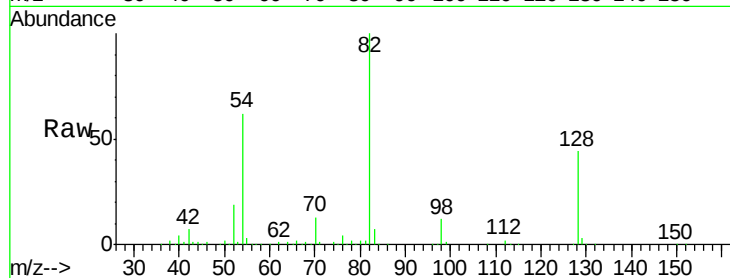
Tgt Ion: 82 Resp: 616465

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

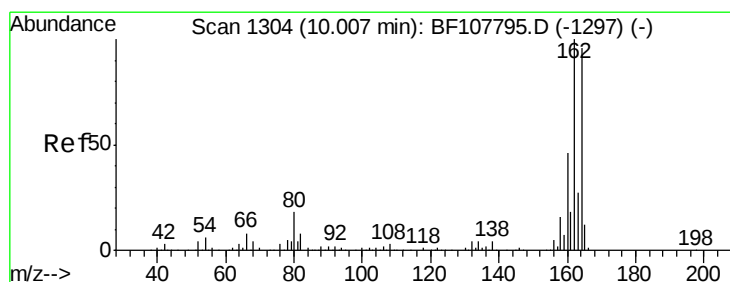
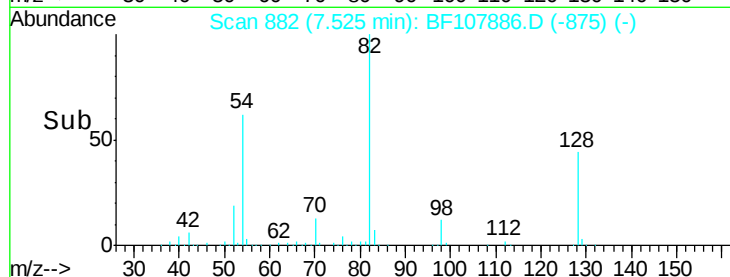
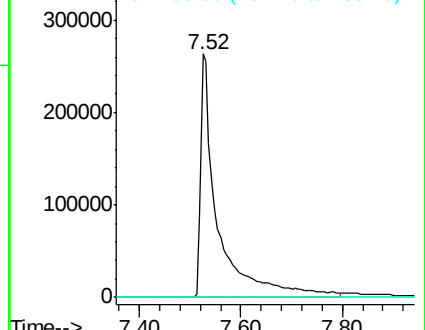
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

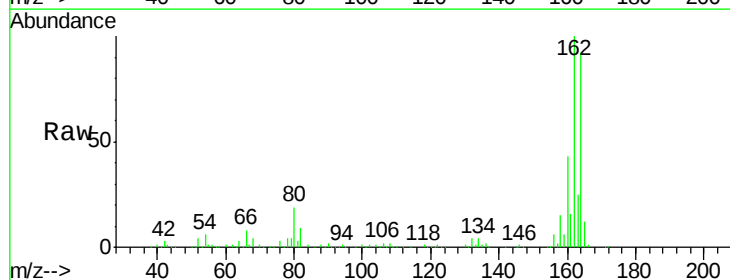
Tgt Ion: 164 Resp: 232019

Ion Ratio Lower Upper

164 100

162 108.5 86.1 129.1

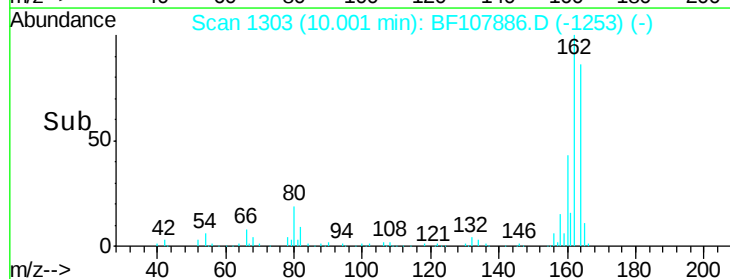
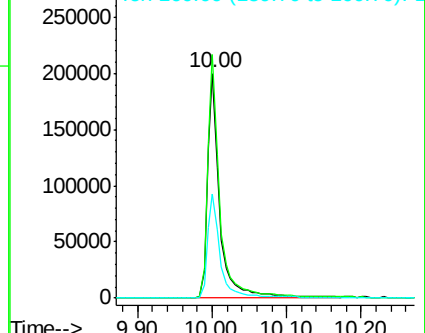
160 46.6 38.3 57.5

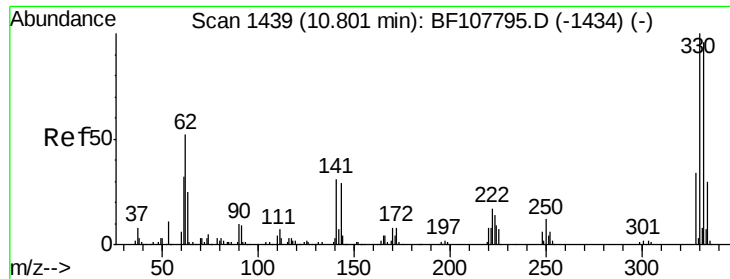


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

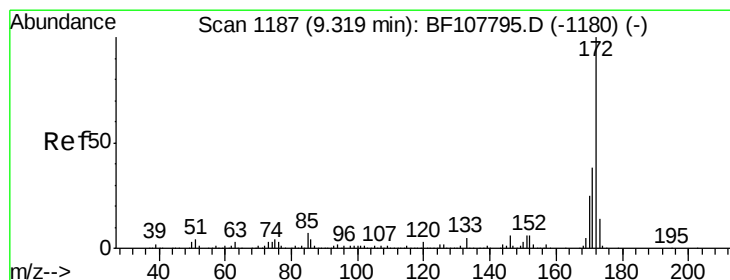
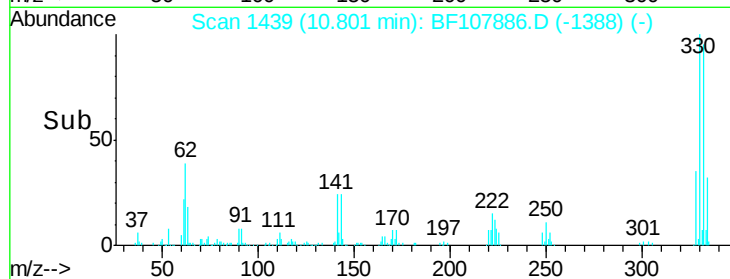
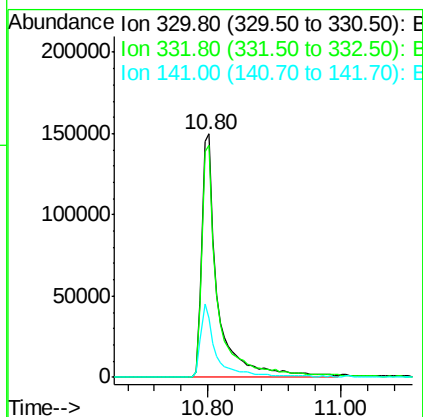
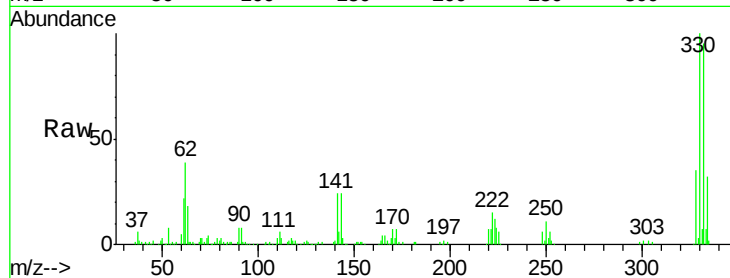




#41
 2,4,6-Tribromophenol
 Concen: 77.735 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF107886.D
 Acq: 1 Aug 2018 13:59

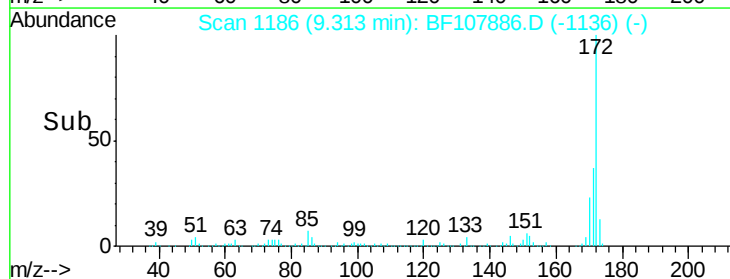
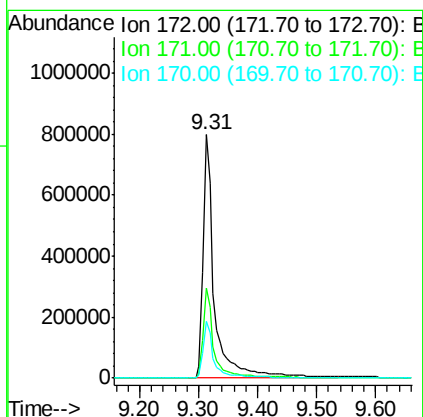
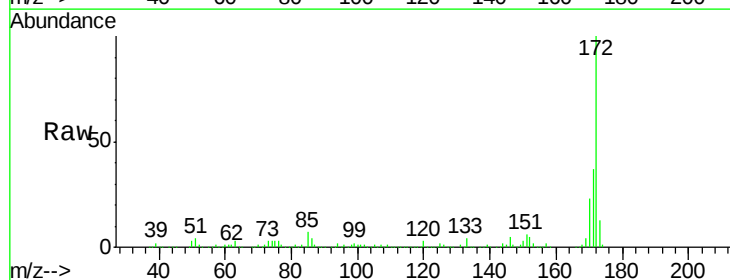
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-023-A

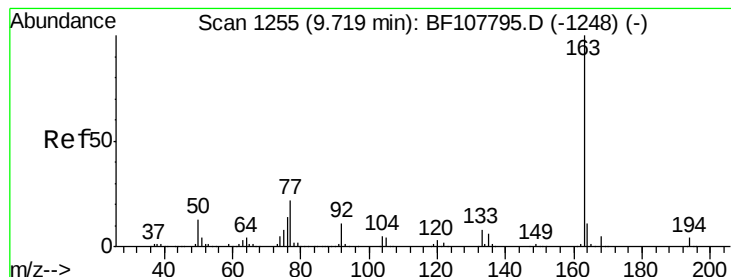
Tgt Ion:330 Resp: 245074
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 29.5 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 64.305 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107886.D
 Acq: 1 Aug 2018 13:59

Tgt Ion:172 Resp: 1070699
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 23.3 19.6 29.4





#49

Dimethylphthalate

Concen: 10.293 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-023-A

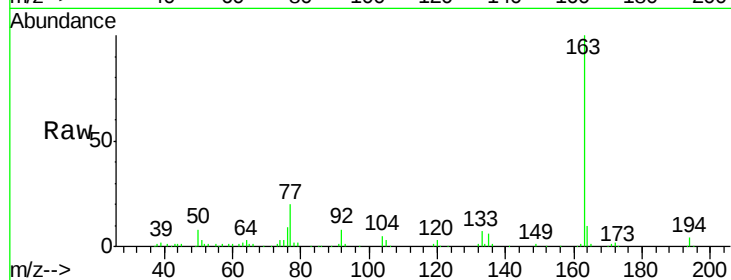
Tgt Ion:163 Resp: 179354

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

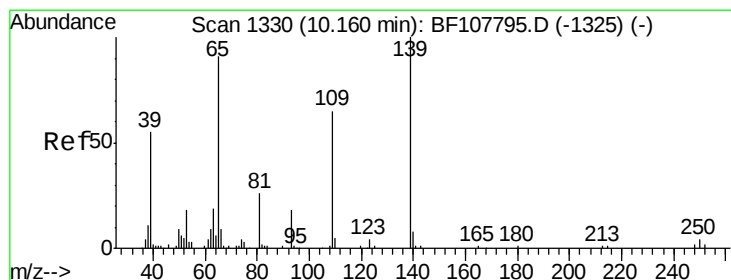
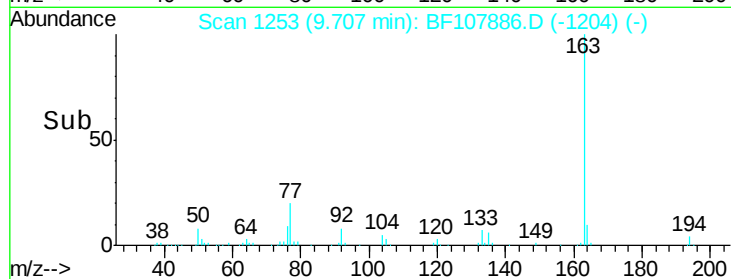
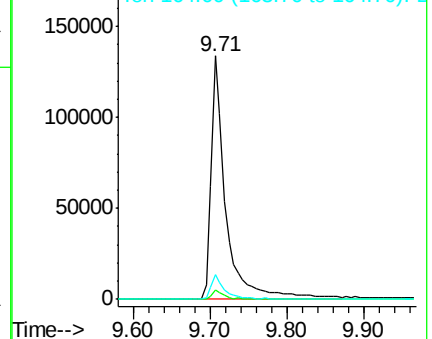
164 10.1 8.2 12.2



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



#55

4-Nitrophenol

Concen: 11.231 ng

RT: 10.22 min Scan# 1340

Delta R.T. 0.06 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

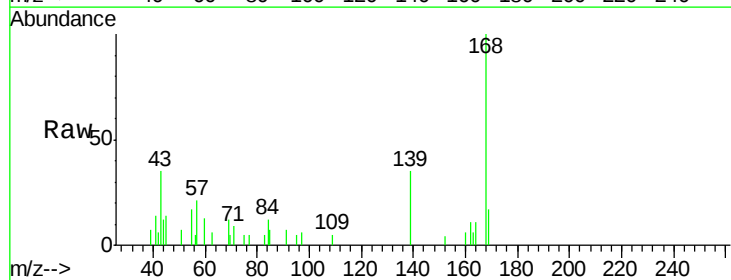
Tgt Ion:139 Resp: 4877

Ion Ratio Lower Upper

139 100

109 14.0 48.4 88.4#

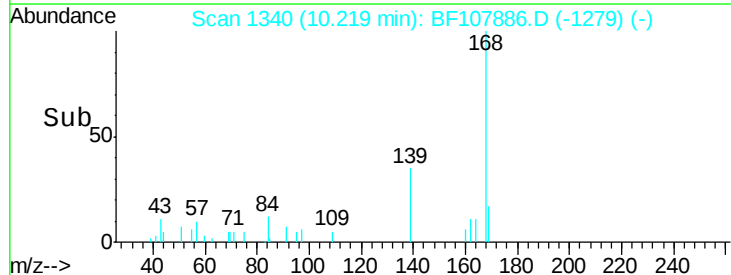
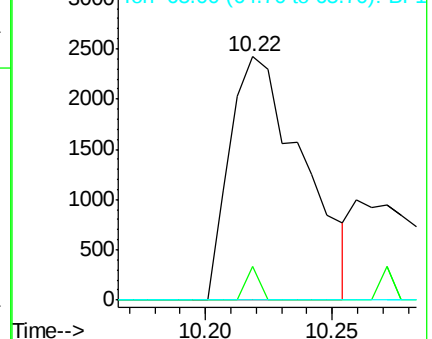
65 0.0 72.6 112.6#

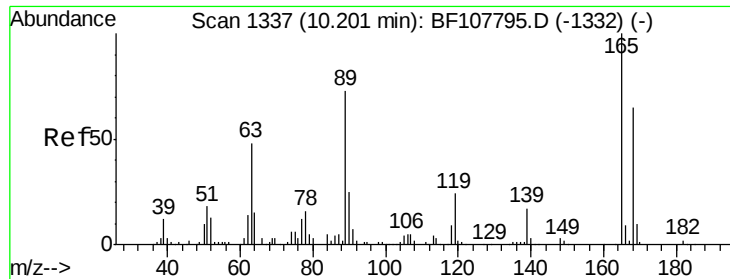


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

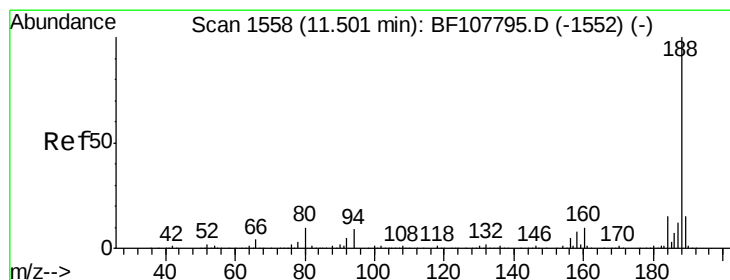
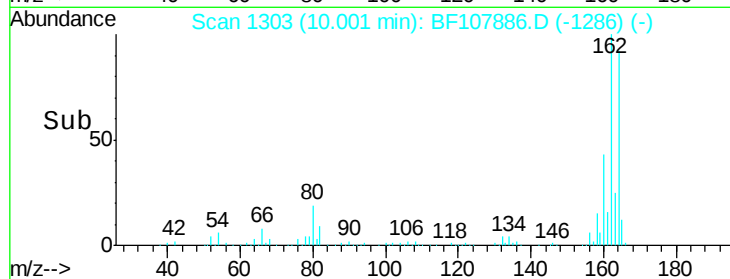
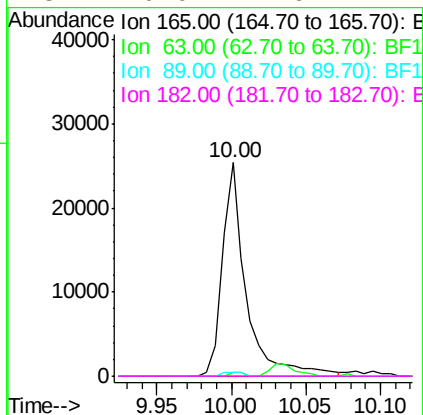
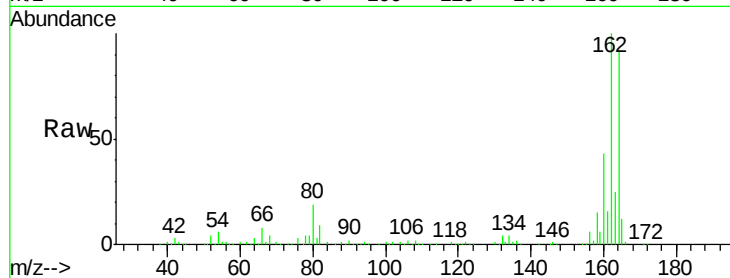




#56
2,4-Dinitrotoluene
Concen: 5.722 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

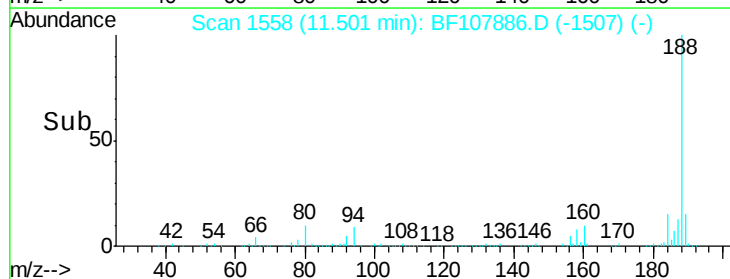
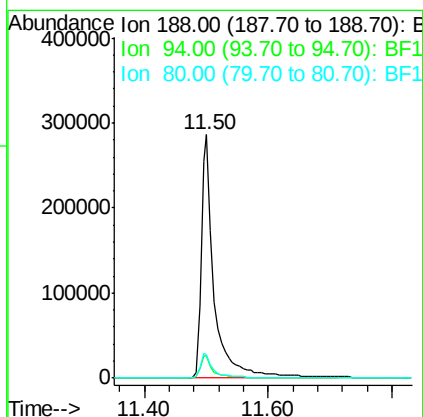
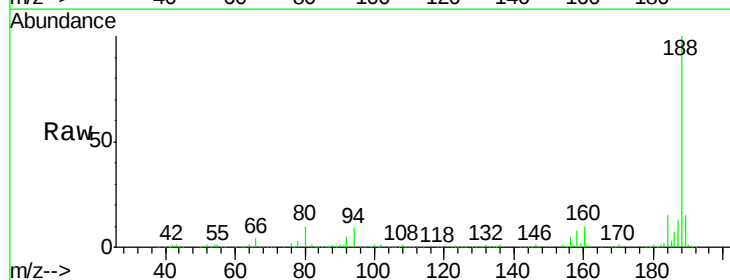
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-023-A

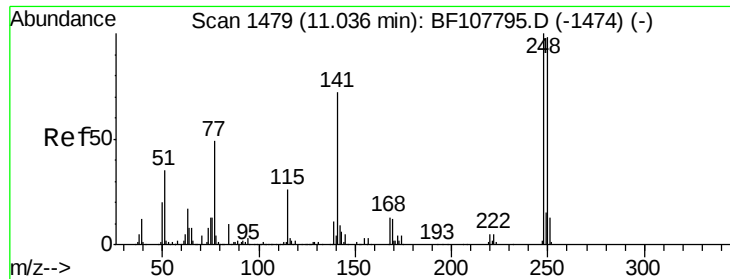
Tgt Ion:165 Resp: 28477
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

Tgt Ion:188 Resp: 426724
Ion Ratio Lower Upper
188 100
94 9.1 8.5 12.7
80 9.7 9.2 13.8

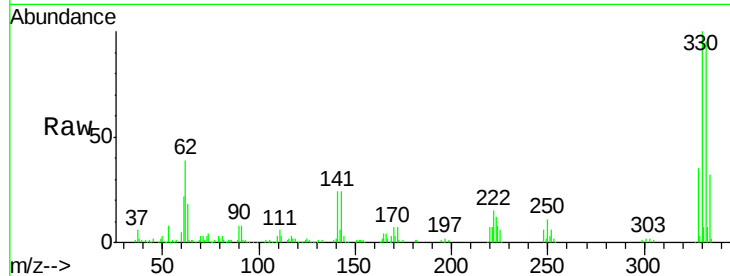




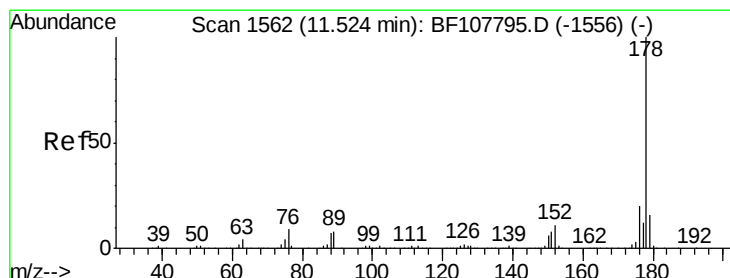
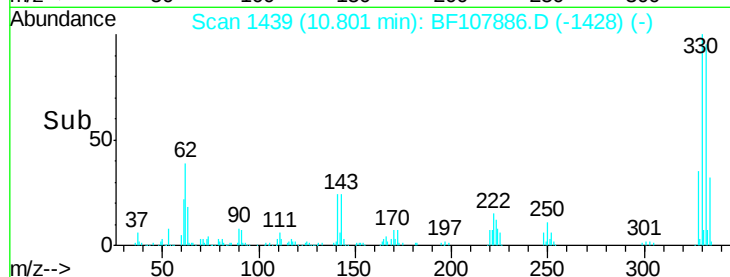
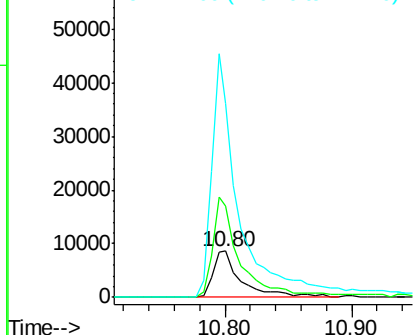
#66
4-Bromophenyl-phenylether
Concen: 2.716 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-023-A

Tgt Ion:248 Resp: 13510
Ion Ratio Lower Upper
248 100
250 198.3 76.9 115.3#
141 418.6 74.4 111.6#

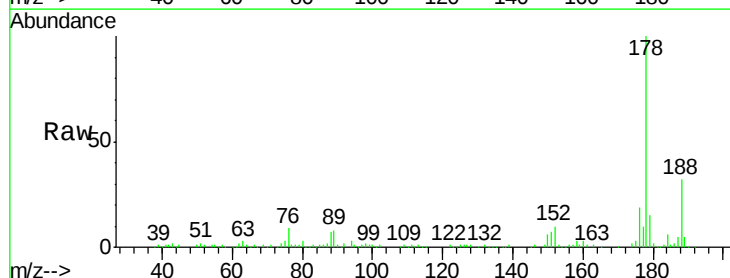


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

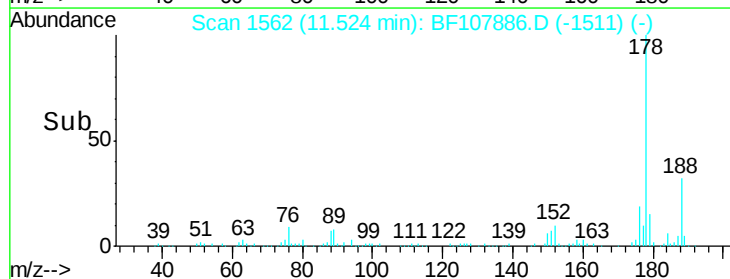
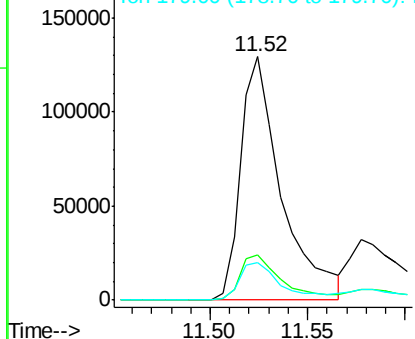


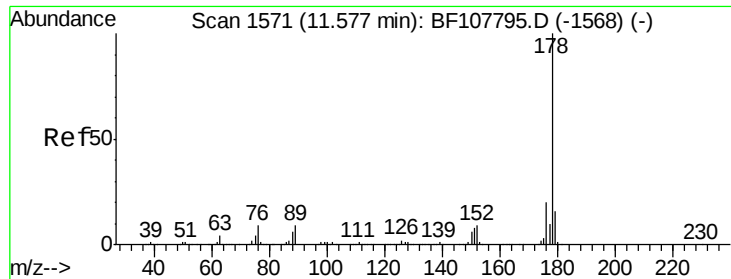
#70
Phenanthrene
Concen: 9.244 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

Tgt Ion:178 Resp: 187302
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.5 13.0 19.6



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

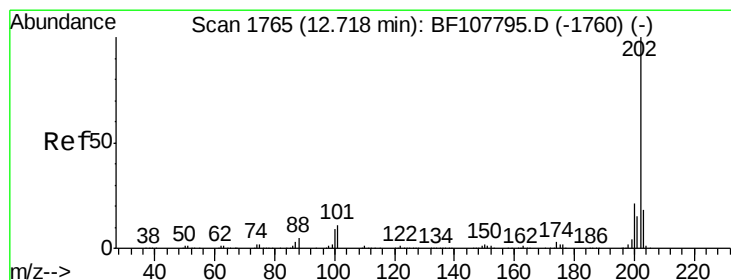
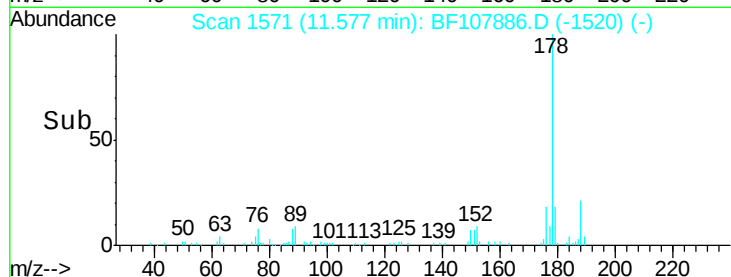
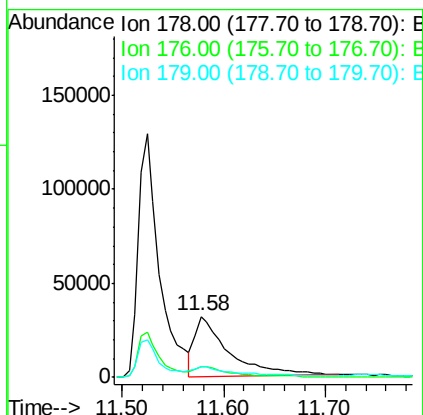
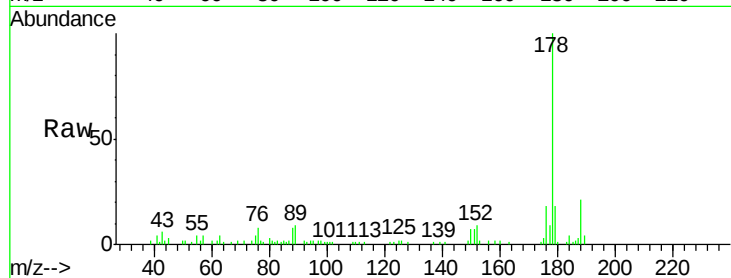




#71
 Anthracene
 Concen: 3.184 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF107886.D
 Acq: 1 Aug 2018 13:59

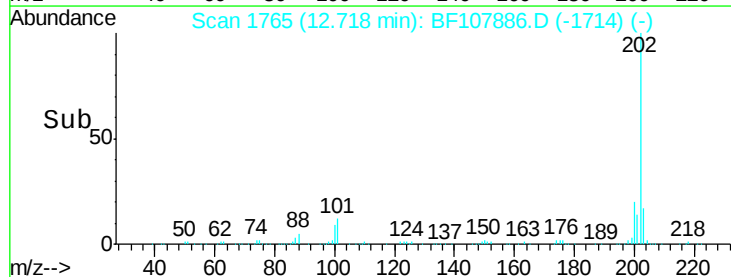
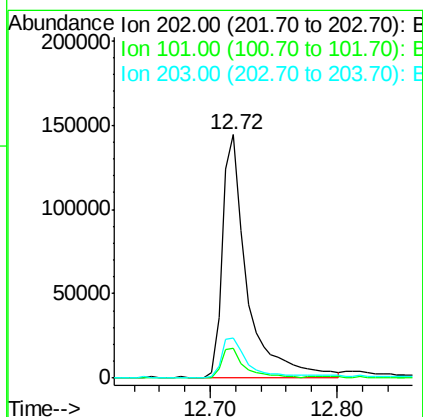
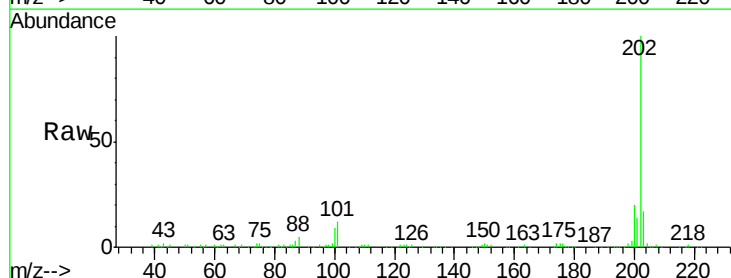
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-023-A

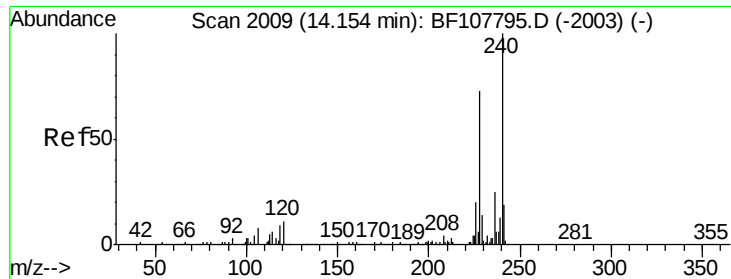
Tgt Ion:178 Resp: 74421
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 18.3 12.6 19.0



#74
 Fluoranthene
 Concen: 8.278 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: BF107886.D
 Acq: 1 Aug 2018 13:59

Tgt Ion:202 Resp: 197045
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 16.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-023-A

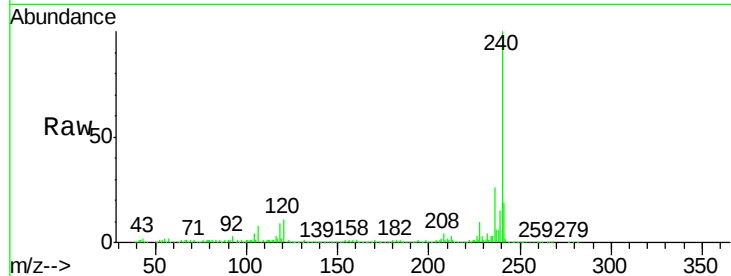
Tgt Ion:240 Resp: 400971

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

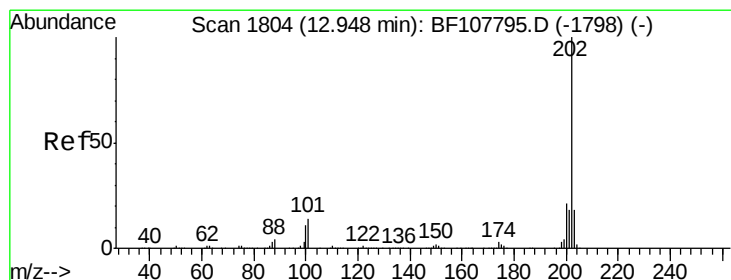
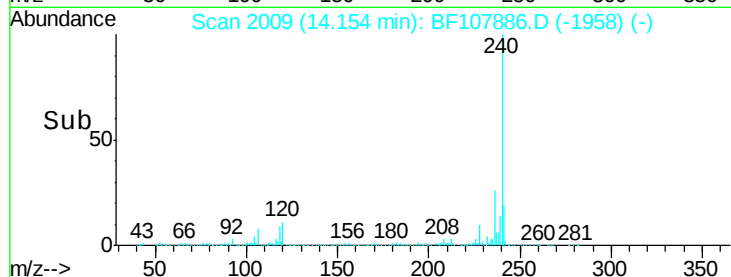
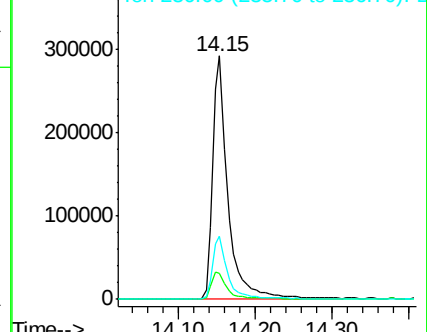
236 25.7 20.7 31.1



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

Pyrene

Concen: 5.824 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

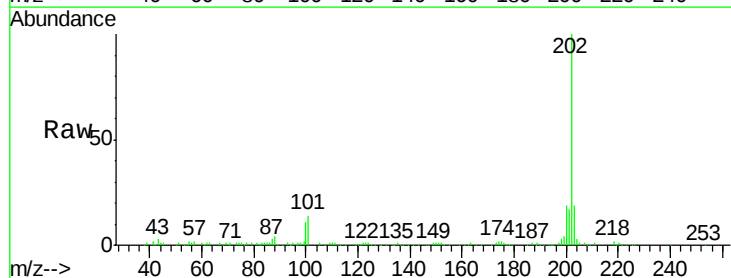
Tgt Ion:202 Resp: 168154

Ion Ratio Lower Upper

202 100

200 18.7 17.4 26.2

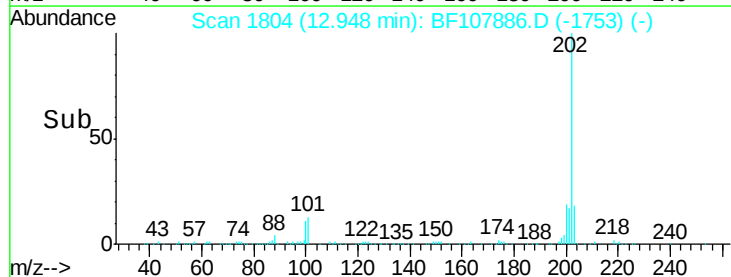
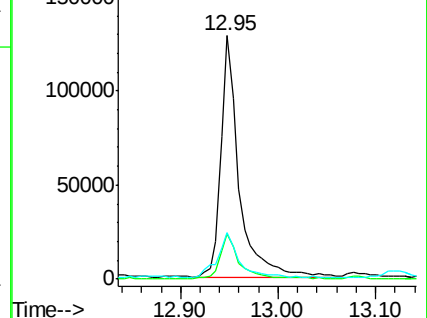
203 18.9 14.3 21.5

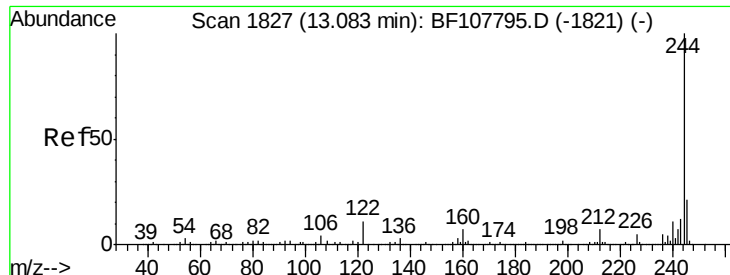


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.501 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-023-A

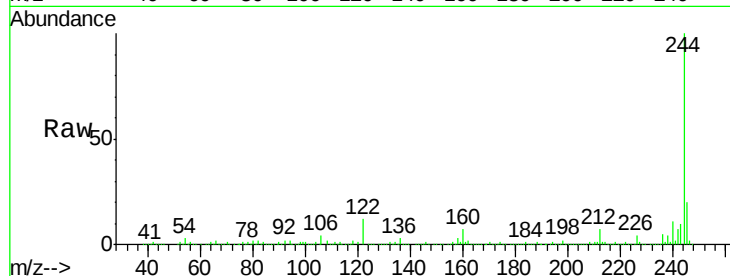
Tgt Ion:244 Resp: 952319

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

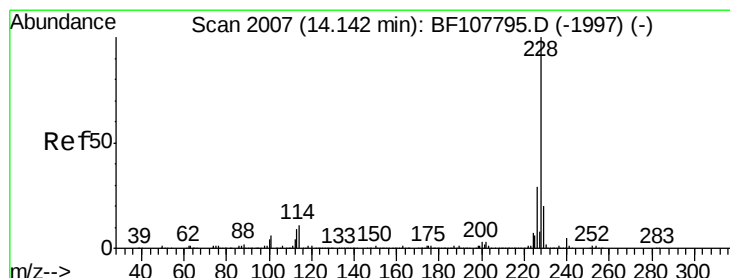
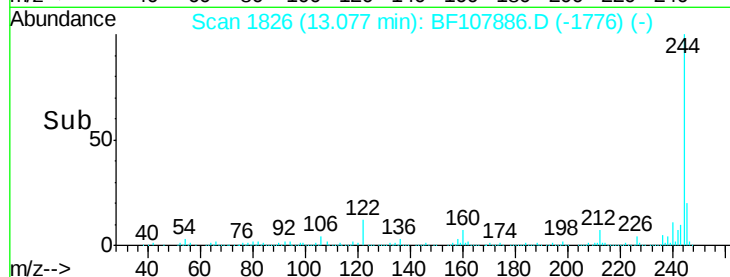
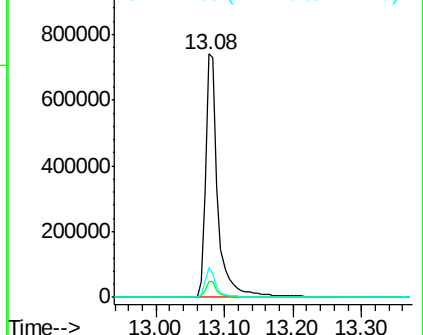
122 12.1 11.0 16.4



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

Benzo(a)anthracene

Concen: 3.972 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF107886.D

Acq: 1 Aug 2018 13:59

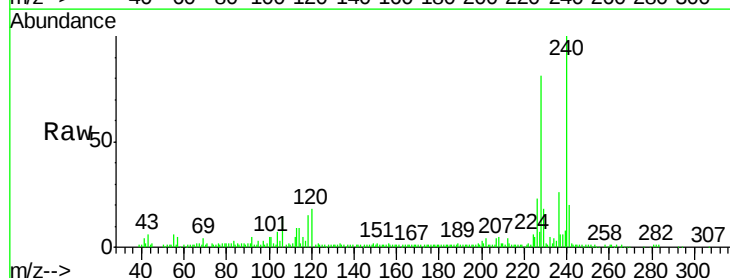
Tgt Ion:228 Resp: 90214

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

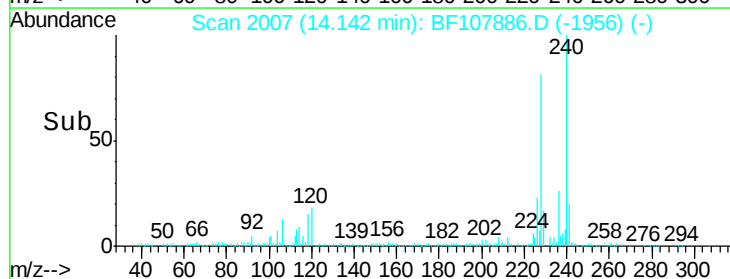
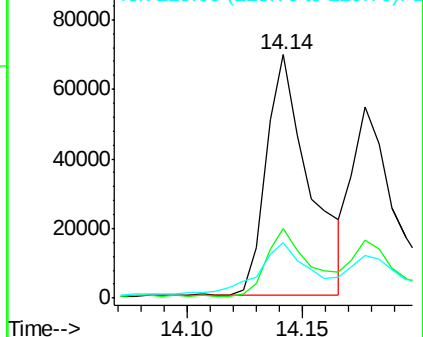
229 22.7 15.8 23.6

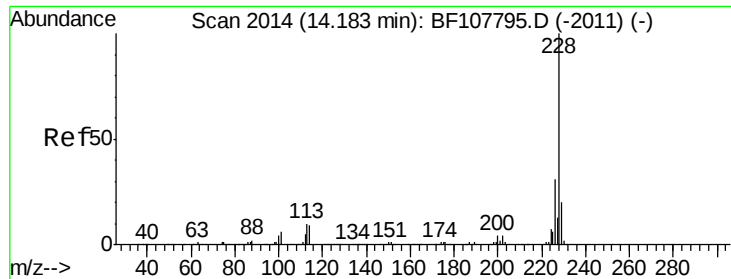


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

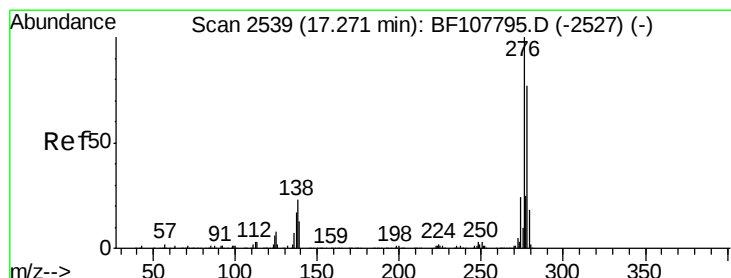
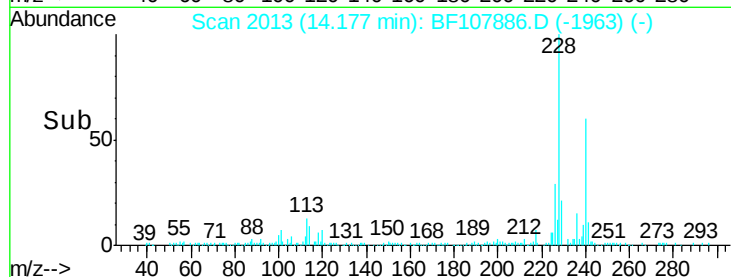
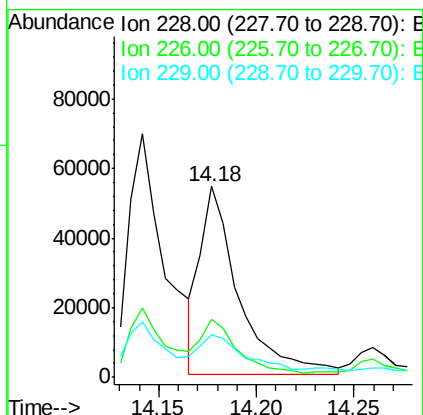
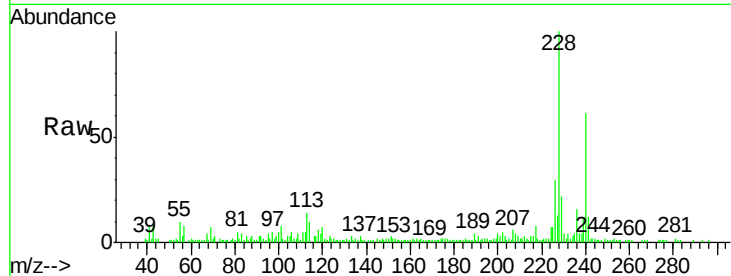




#82
Chrysene
Concen: 3.051 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

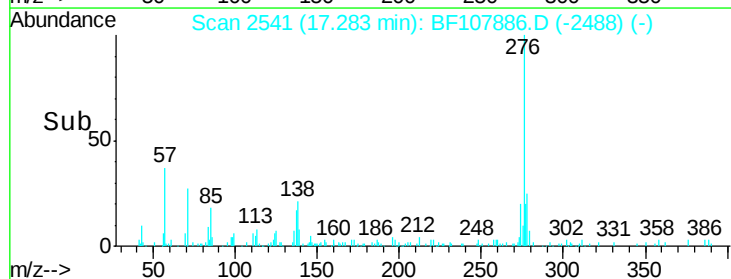
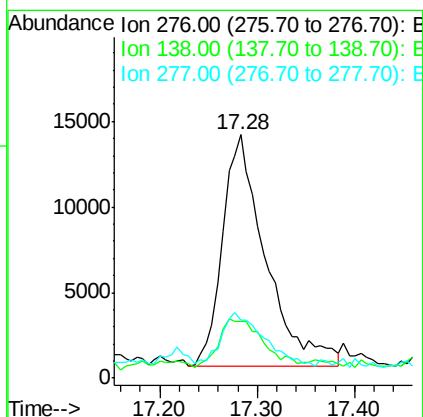
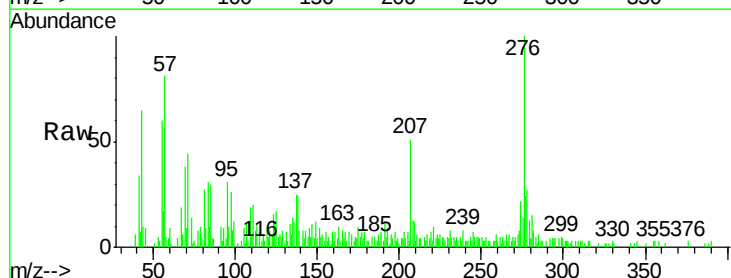
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-023-A

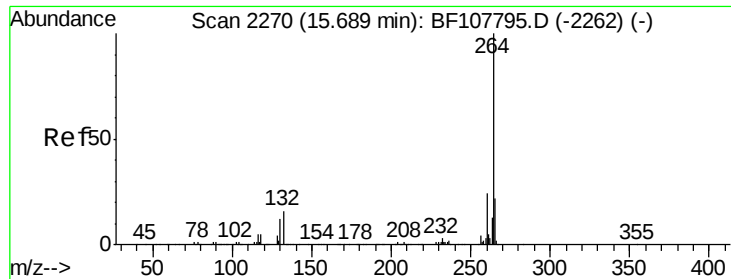
Tgt Ion:228 Resp: 74740
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 22.2 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.213 ng
RT: 17.28 min Scan# 2541
Delta R.T. 0.01 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

Tgt Ion:276 Resp: 41241
Ion Ratio Lower Upper
276 100
138 22.5 25.0 37.6#
277 24.3 20.1 30.1

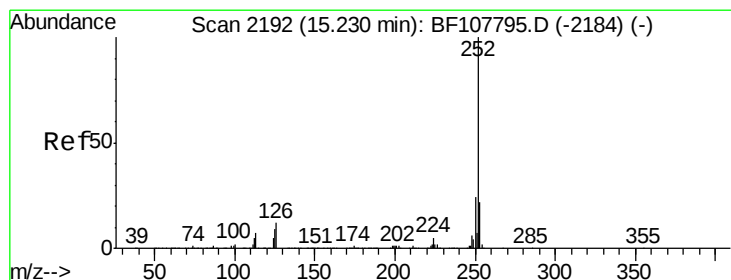
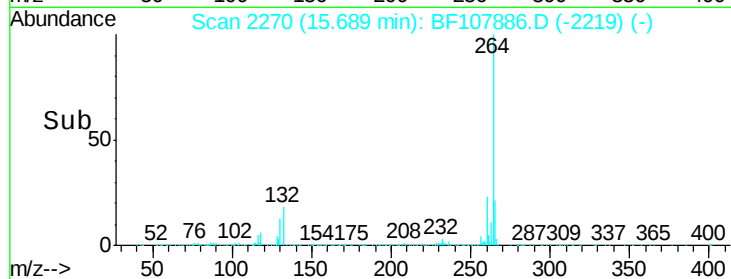
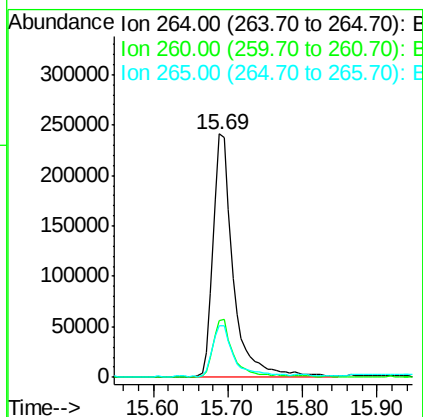
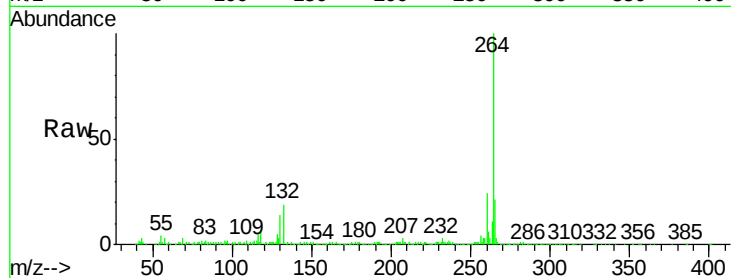




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

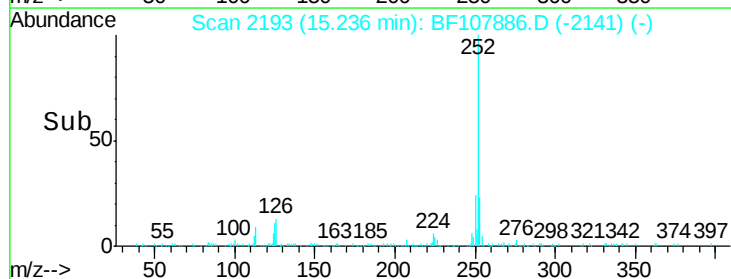
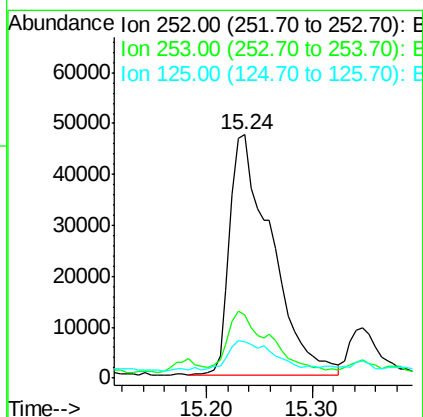
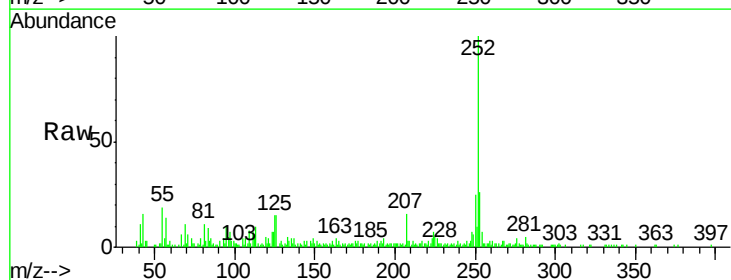
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-023-A

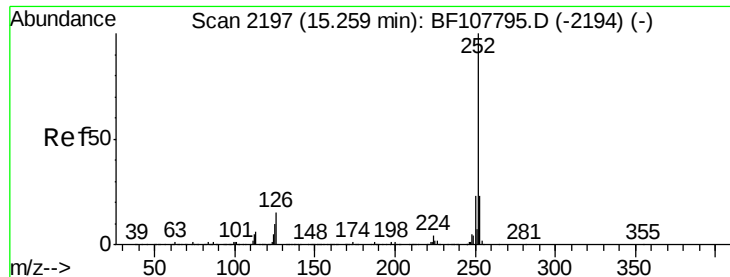
Tgt Ion:264 Resp: 451593
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.829 ng
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

Tgt Ion:252 Resp: 129829
Ion Ratio Lower Upper
252 100
253 25.8 17.0 25.6#
125 15.1 9.0 13.6#

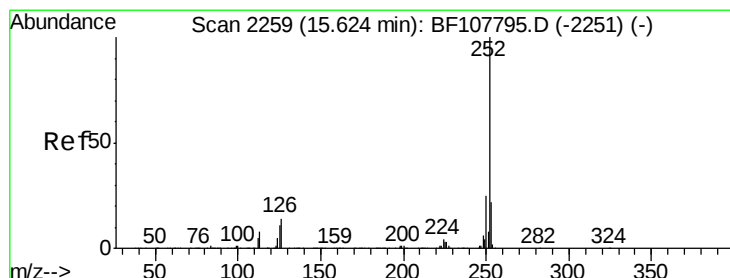
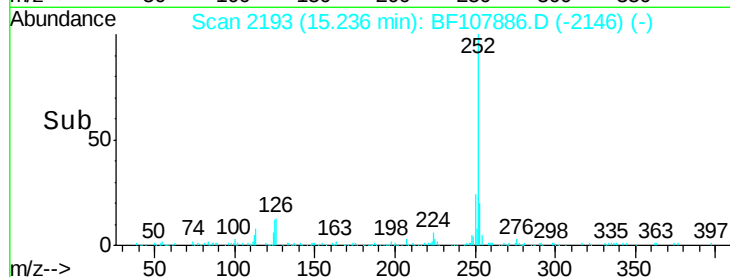
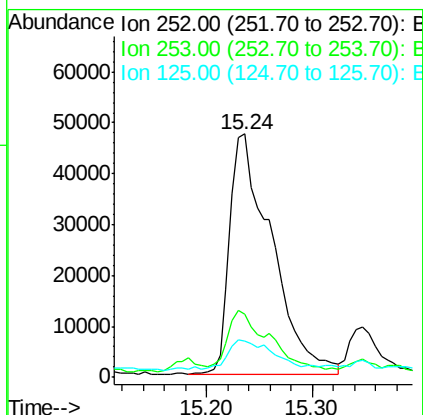
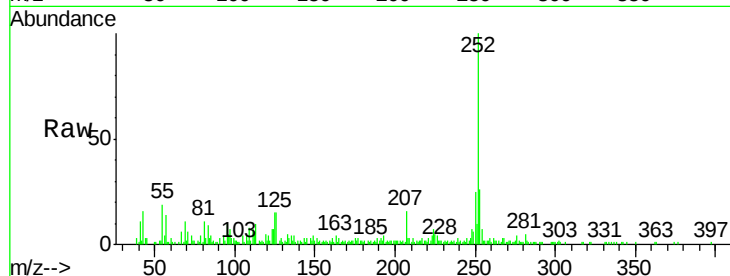




#88
Benzo(k)fluoranthene
Concen: 4.748 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-023-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	15.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.148 ng
RT: 15.63 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF107886.D
Acq: 1 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	15.0	9.8	14.6

