

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
 Data File : BF107611.D
 Acq On : 24 Jul 2018 9:38
 Operator : JU/SJ
 Sample : J4030-08DL 20X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 10:45:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	228675	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	900672	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	348354	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	639552	20.00	ng	0.00
75) Chrysene-d12	14.17	240	523562	20.00	ng	0.00
86) Perylene-d12	15.71	264	409383	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	318	0.02	ng	0.12
7) Phenol-d6	6.61	99	61271	3.59	ng	0.00
23) Nitrobenzene-d5	7.54	82	38170	2.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	1659	0.42	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	93455	-1.00	ng	0.00
78) Terphenyl-d14	13.10	244	87715	4.29	ng	0.00

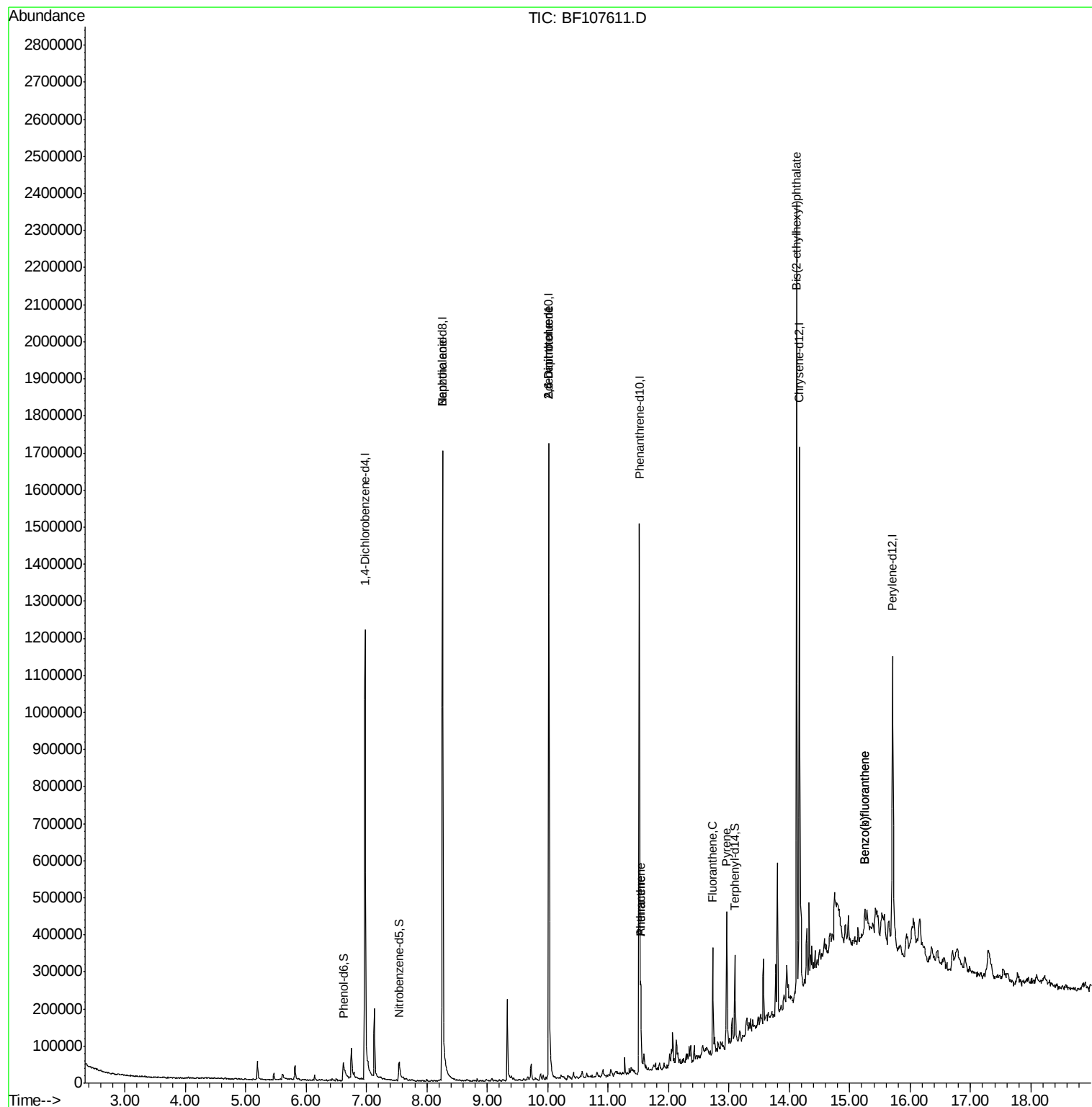
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	155	Below Cal		# 36
32) Benzoic acid	8.26	122	112	7.911	ng	# 1
50) 2,6-Dinitrotoluene	10.02	165	43395	8.325	ng	# 26
56) 2,4-Dinitrotoluene	10.02	165	43811	6.963	ng	# 23
70) Phenanthrene	11.54	178	76318	2.449	ng	99
71) Anthracene	11.54	178	76318	2.432	ng	99
73) Di-n-butylphthalate	12.06	149	11575	Below Cal		99
74) Fluoranthene	12.74	202	126829	3.792	ng	96
77) Pyrene	12.97	202	115775	3.233	ng	98
81) 3,3'-Dichlorobenzidine	14.12	252	520	Below Cal		# 16
83) Bis(2-ethylhexyl)phthalate	14.12	149	596491	27.449	ng	99
87) Benzo(b)fluoranthene	15.25	252	60342	2.693	ng	# 89
88) Benzo(k)fluoranthene	15.25	252	60342	2.749	ng	# 92

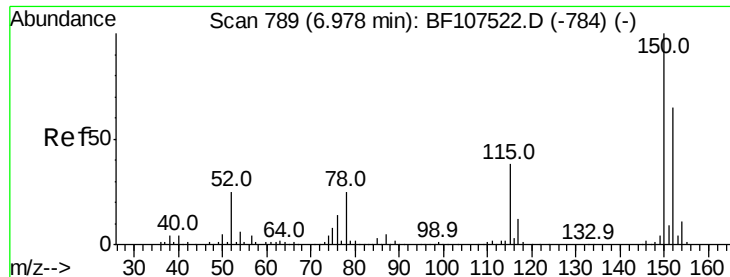
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107611.D
Acq On : 24 Jul 2018 9:38
Operator : JU/SJ
Sample : J4030-08DL 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 24 10:45:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration



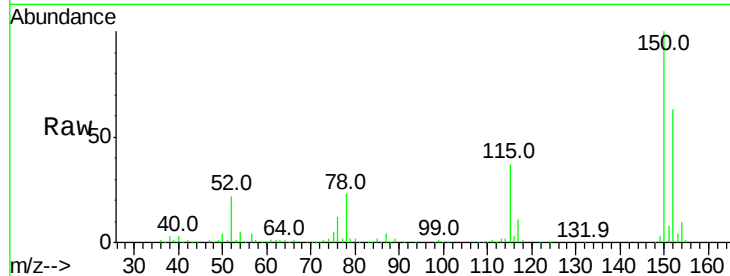


#1

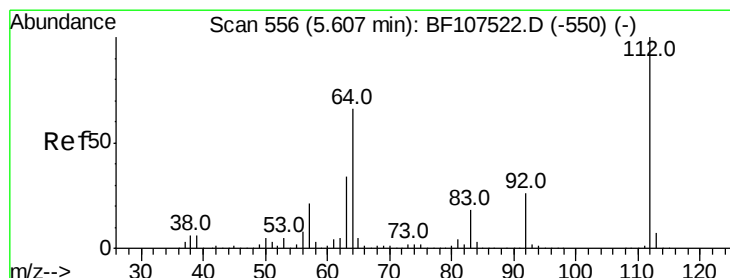
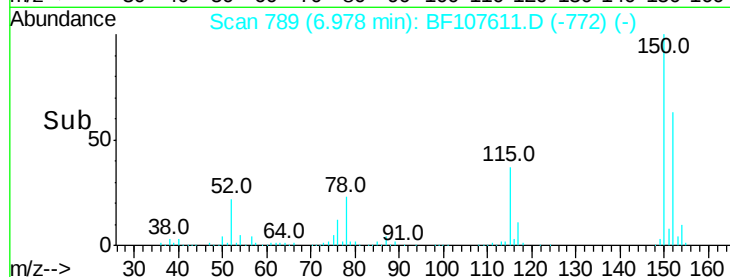
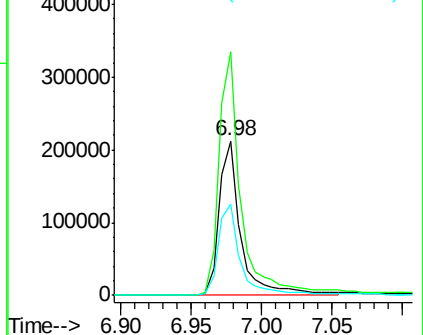
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF107611.D
Acq: 24 Jul 2018 9:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 228675
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 59.1 50.1 75.1



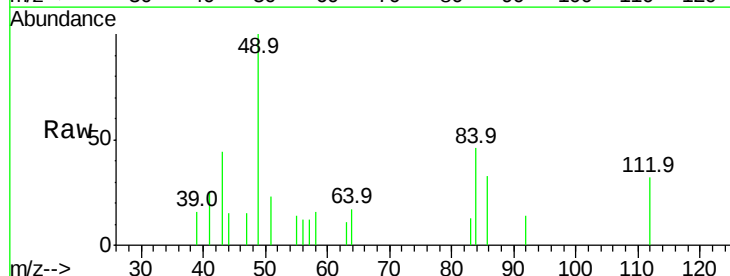
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



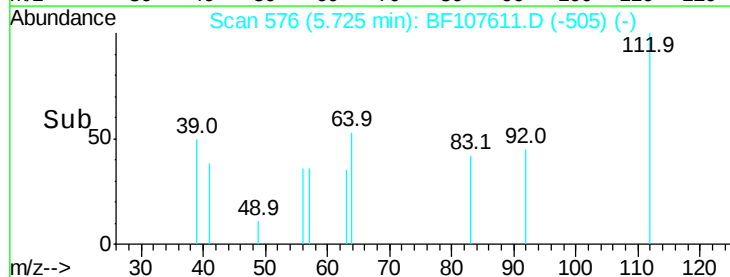
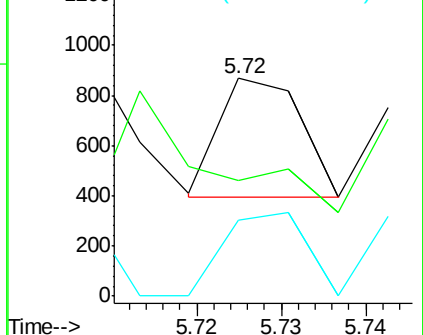
#5

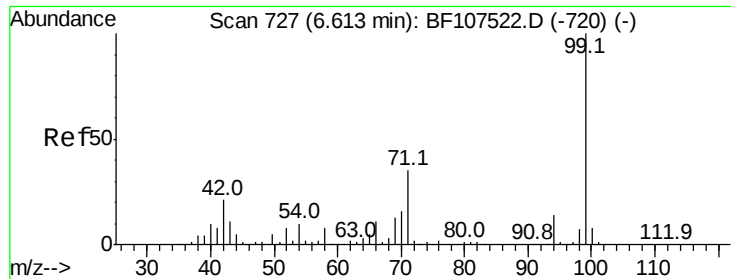
2-Fluorophenol
Concen: 0.022 ng
RT: 5.72 min Scan# 576
Delta R.T. 0.12 min
Lab File: BF107611.D
Acq: 24 Jul 2018 9:38

Tgt Ion:112 Resp: 318
Ion Ratio Lower Upper
112 100
64 52.8 47.9 71.9
63 35.1 23.7 35.5



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: 3.588 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107611.D

Acq: 24 Jul 2018 9:38

Instrument :

BNA_F

ClientSampleId :

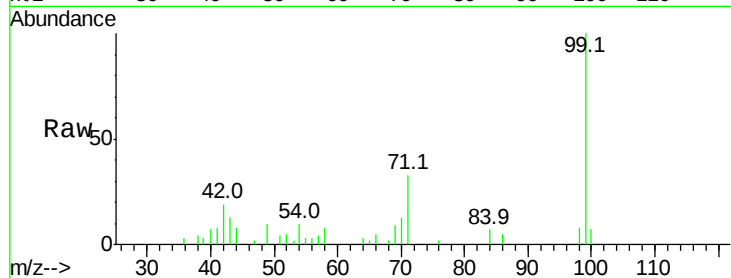
Tot Ion: 99 Resp: 61271

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

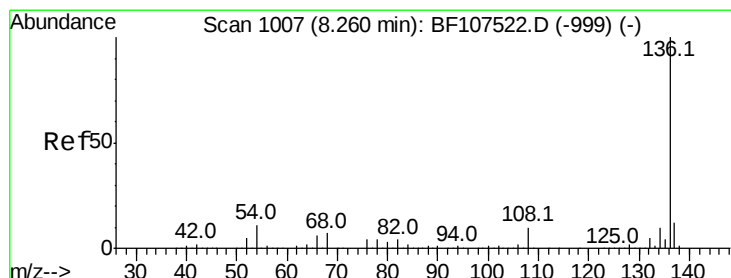
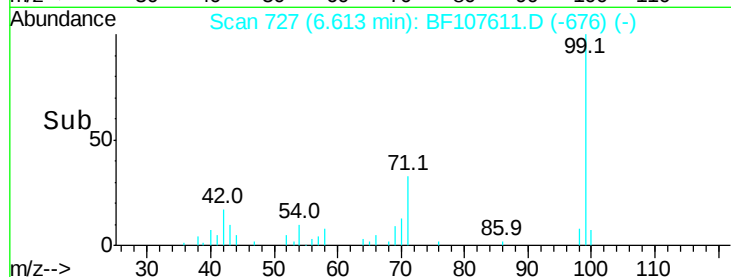
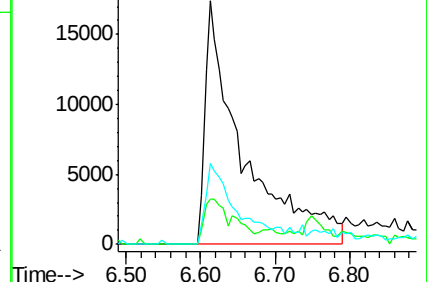
71 33.1 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF107611.D

Acq: 24 Jul 2018 9:38

Tgt Ion: 136 Resp: 900672

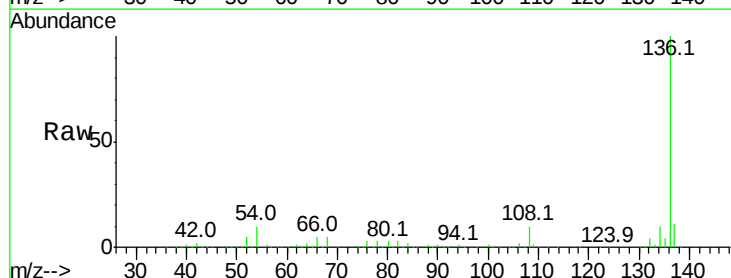
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.6 6.6 9.8

68 5.3 5.0 7.4

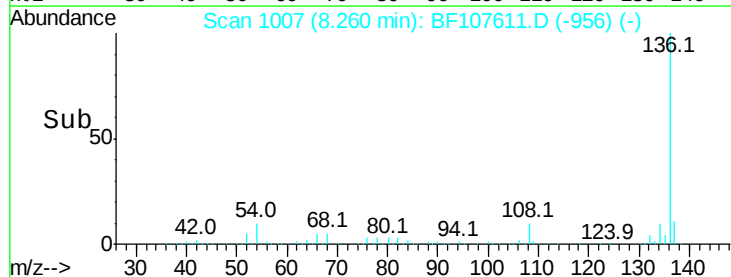
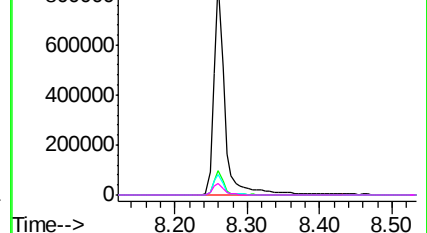


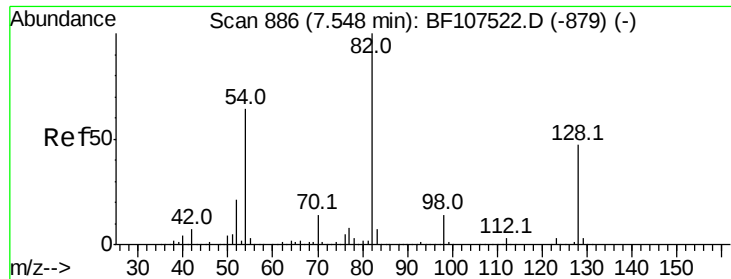
Abundance Ion 136.00 (135.70 to 136.70): E

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

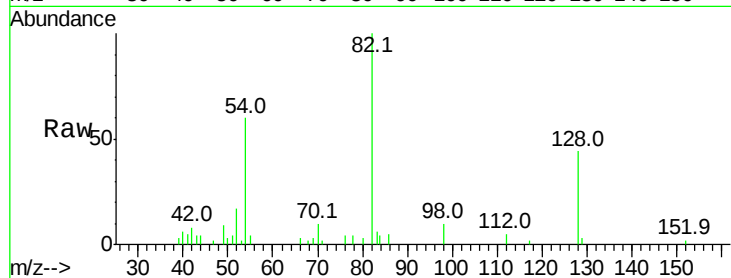




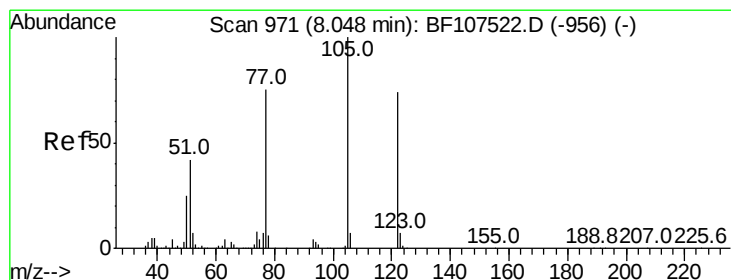
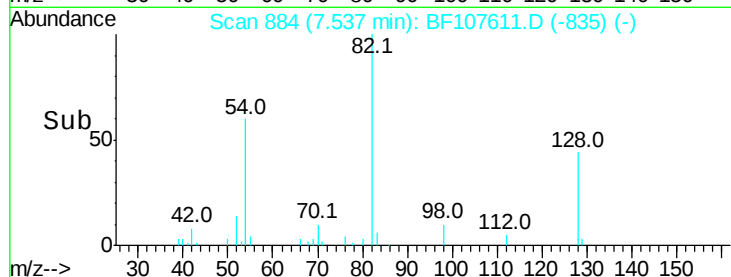
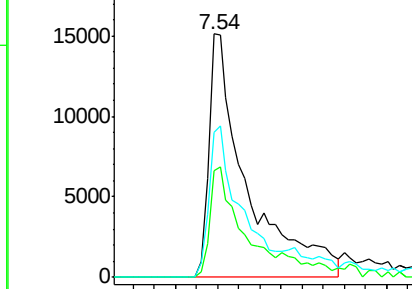
#23
Nitrobenzene-d5
Concen: 2.860 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107611.D
Acq: 24 Jul 2018 9:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 38170
Ion Ratio Lower Upper
82 100
128 43.6 36.1 54.1
54 59.6 41.4 62.2

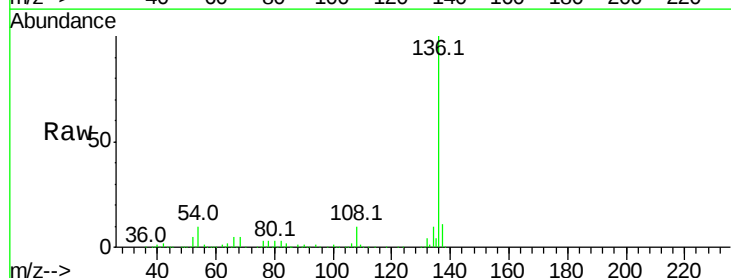


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

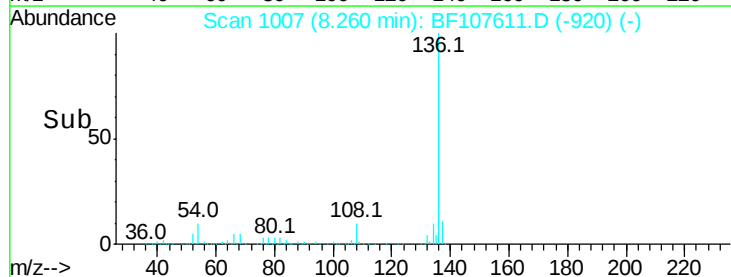
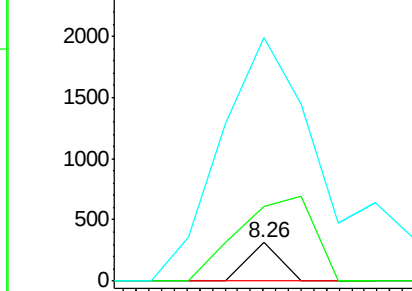


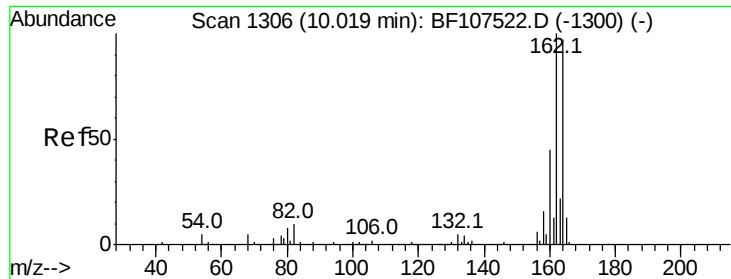
#32
Benzoic acid
Concen: 7.911 ng
RT: 8.26 min Scan# 1007
Delta R.T. 0.21 min
Lab File: BF107611.D
Acq: 24 Jul 2018 9:38

Tgt Ion: 122 Resp: 112
Ion Ratio Lower Upper
122 100
105 193.4 101.1 141.1#
77 629.4 70.7 110.7#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF107611.D

Acq: 24 Jul 2018 9:38

Instrument :

BNA_F

ClientSampleId :

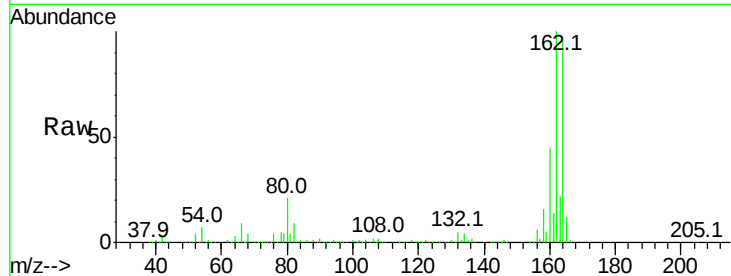
Tot Ion:164 Resp: 348354

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

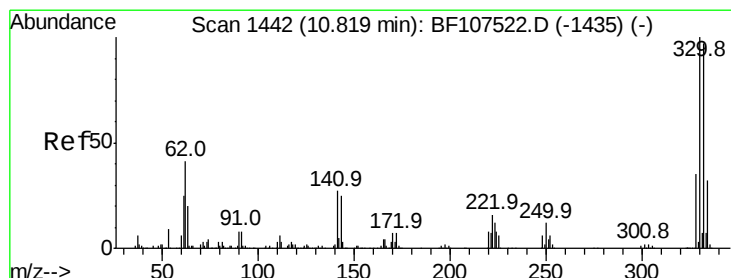
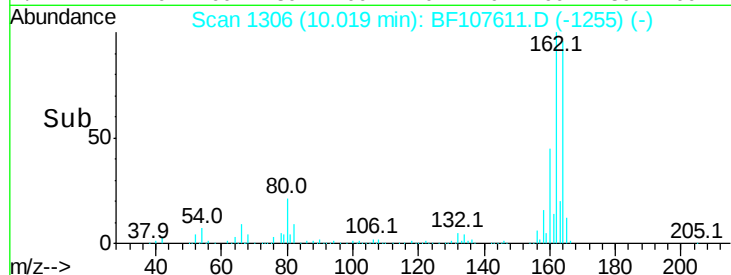
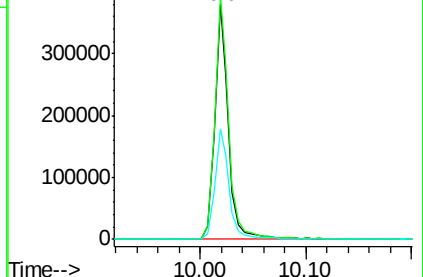
160 47.0 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 0.419 ng

RT: 10.82 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BF107611.D

Acq: 24 Jul 2018 9:38

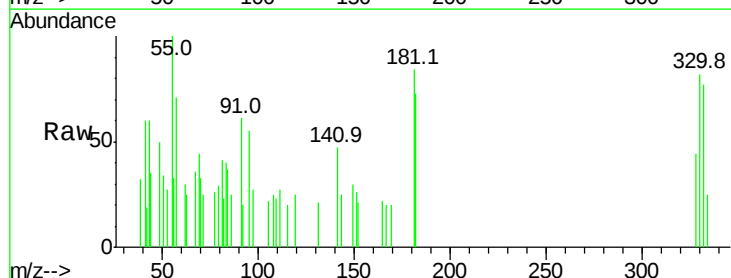
Tgt Ion:330 Resp: 1659

Ion Ratio Lower Upper

330 100

332 86.9 77.0 115.6

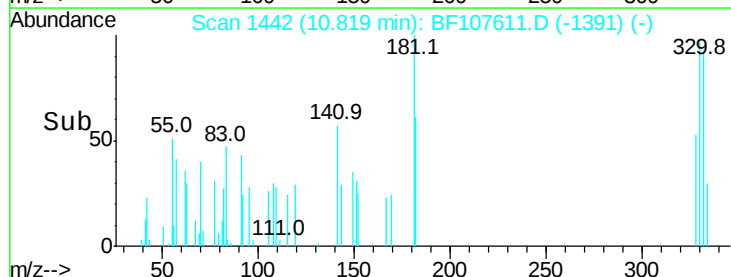
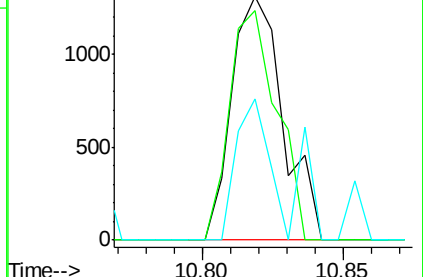
141 36.8 29.9 44.9

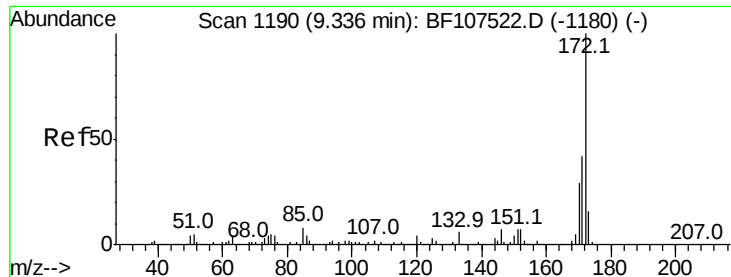


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

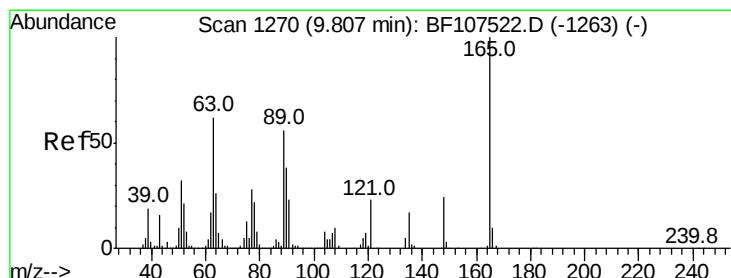
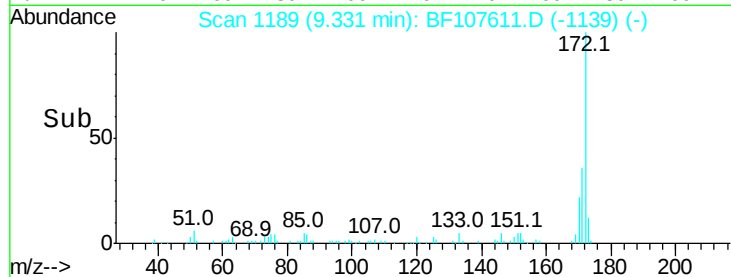
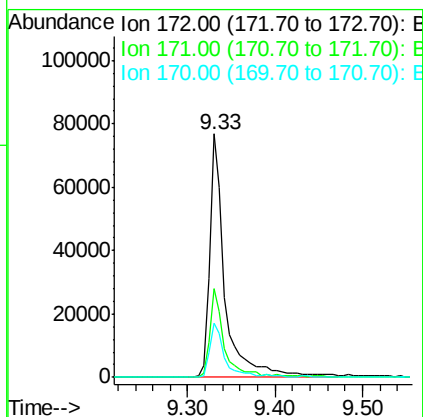
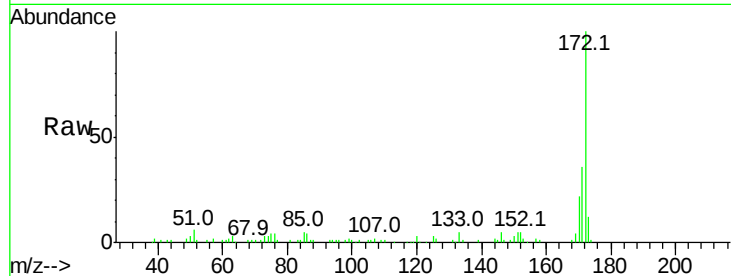




#44
 2-Fluorobiphenyl
 Concen: -1.000 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107611.D
 Acq: 24 Jul 2018 9:38

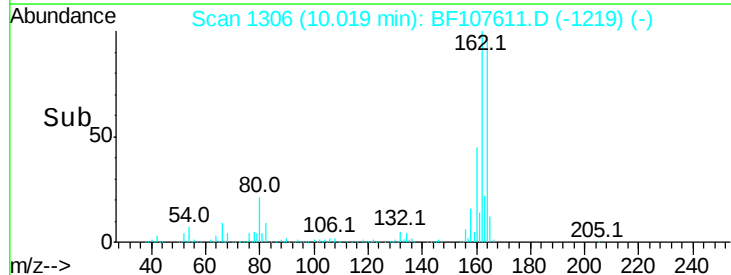
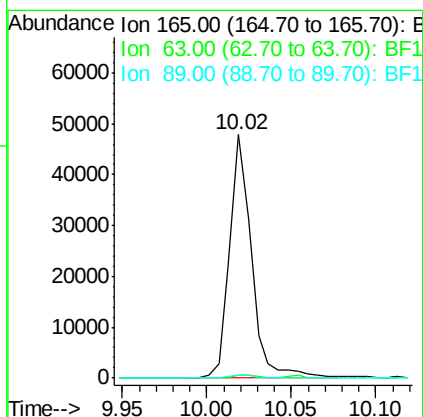
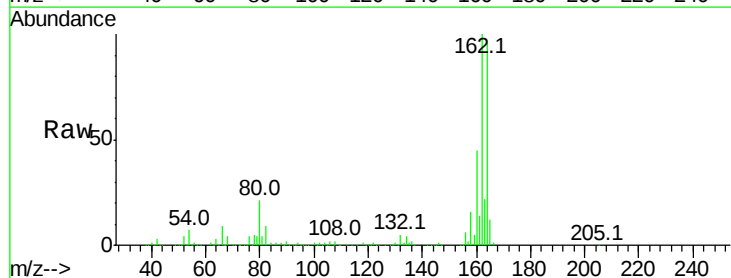
Instrument :
 BNA_F
 ClientSampled :

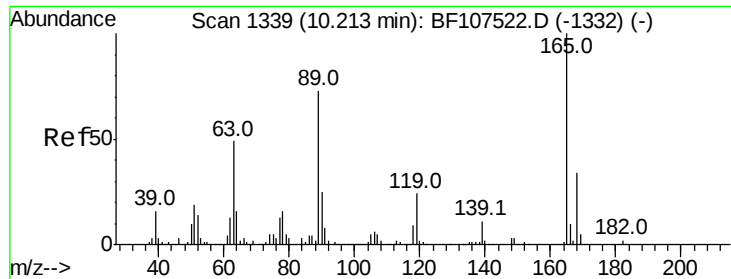
Tot Ion:172 Resp: 93455
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 22.4 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.325 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. 0.21 min
 Lab File: BF107611.D
 Acq: 24 Jul 2018 9:38

Tgt Ion:165 Resp: 43395
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.3 44.0 66.0#

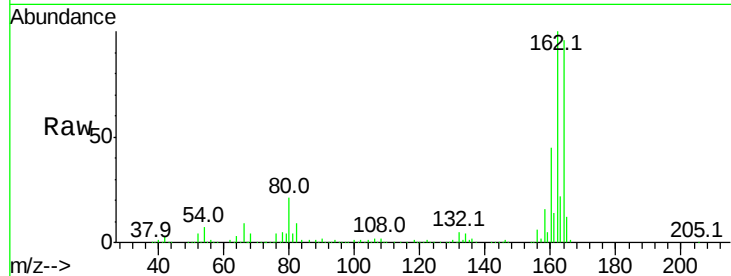




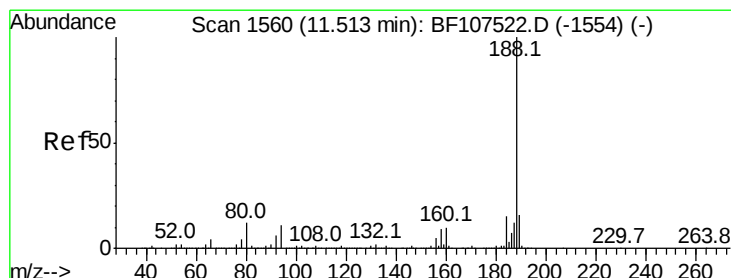
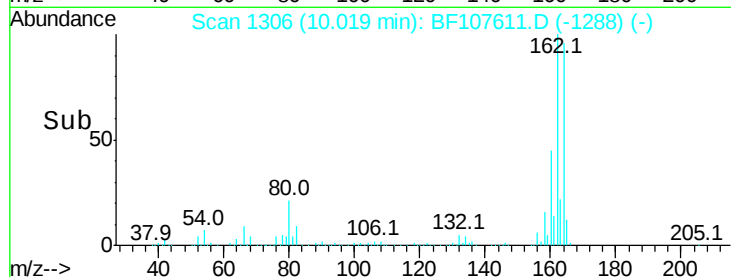
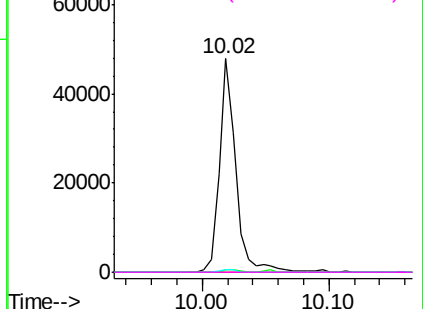
#56
 2,4-Dinitrotoluene
 Concen: 6.963 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.19 min
 Lab File: BF107611.D
 Acq: 24 Jul 2018 9:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 43811
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

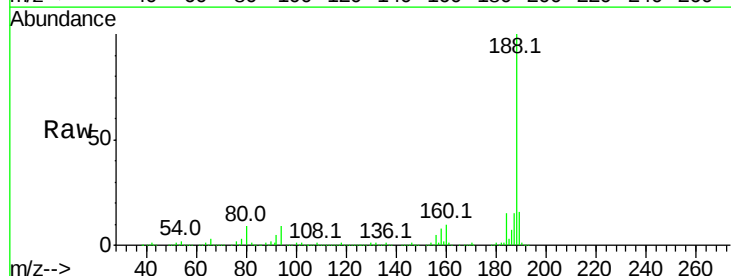


Abundance Ion 165.00 (164.70 to 165.70): E

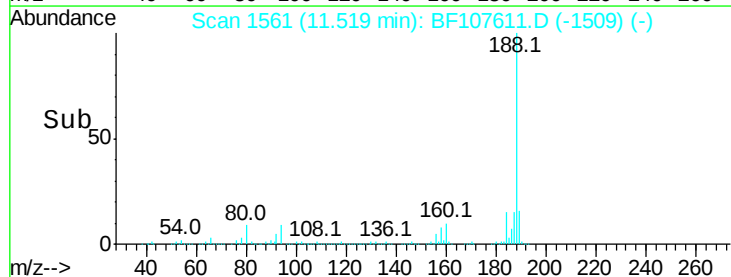
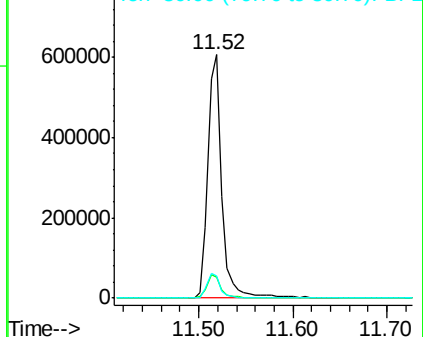


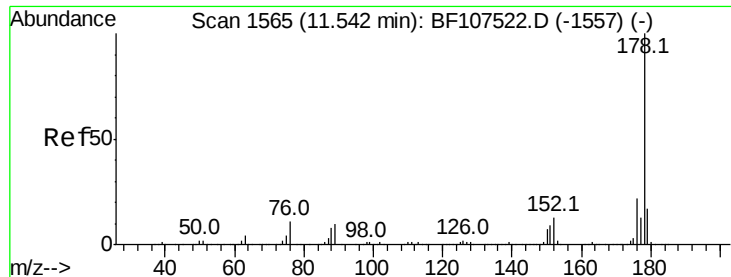
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: BF107611.D
 Acq: 24 Jul 2018 9:38

Tgt Ion:188 Resp: 639552
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.5 12.7
 80 9.1 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E





#70

Phenanthrene

Concen: 2.449 ng

RT: 11.54 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BF107611.D

Acq: 24 Jul 2018 9:38

Instrument :

BNA_F

ClientSampleId :

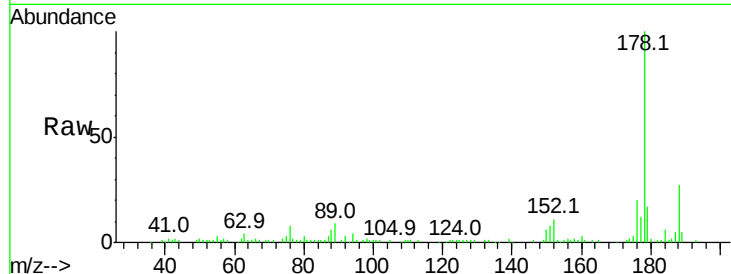
Tot Ion:178 Resp: 76318

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

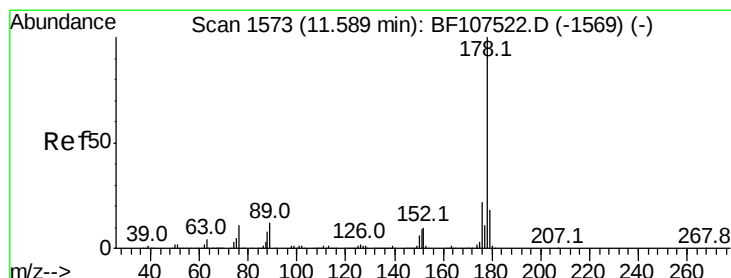
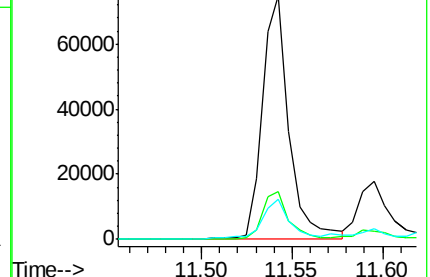
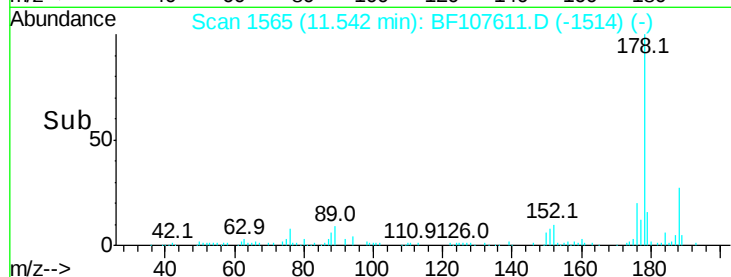
179 16.7 13.0 19.6



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: 2.432 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.05 min

Lab File: BF107611.D

Acq: 24 Jul 2018 9:38

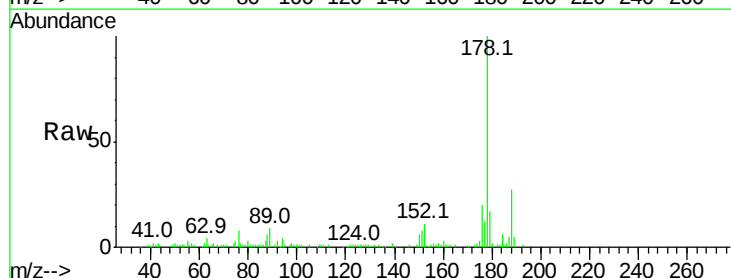
Tgt Ion:178 Resp: 76318

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

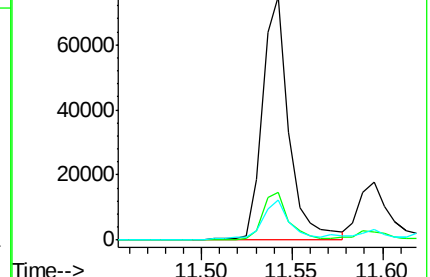
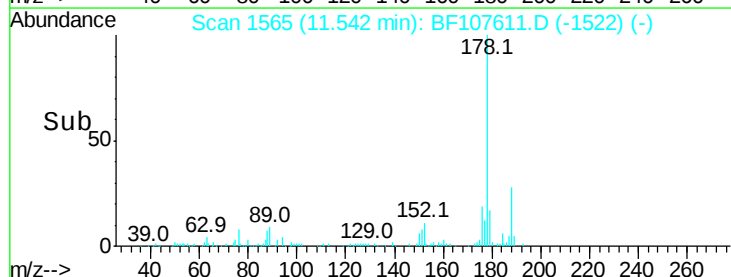
179 16.7 12.6 19.0

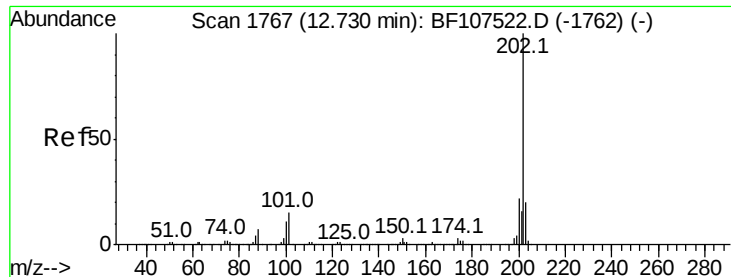


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.792 ng

RT: 12.74 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF107611.D

Acq: 24 Jul 2018 9:38

Instrument :

BNA_F

ClientSampleId :

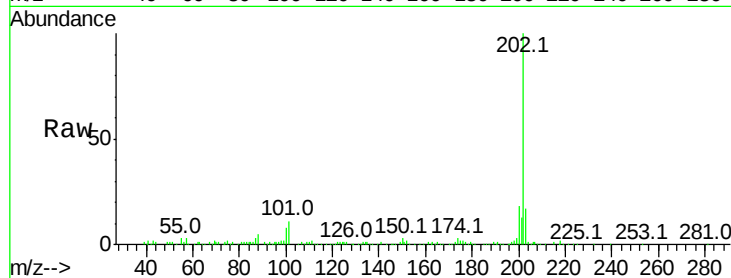
Tot Ion:202 Resp: 126829

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

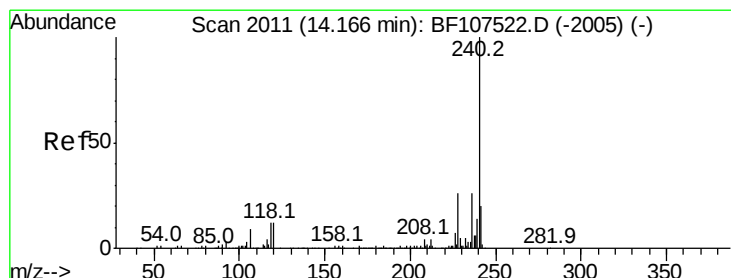
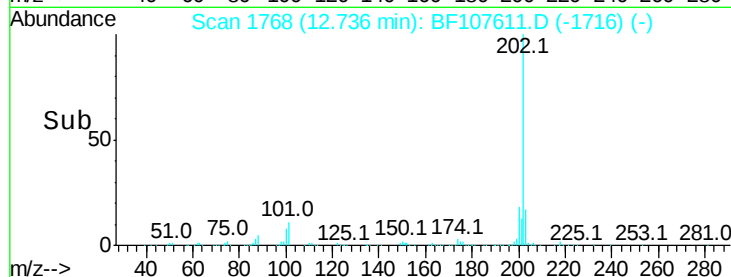
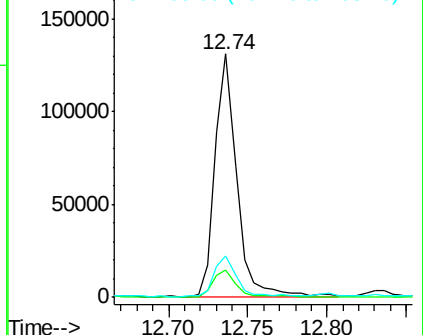
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF107611.D

Acq: 24 Jul 2018 9:38

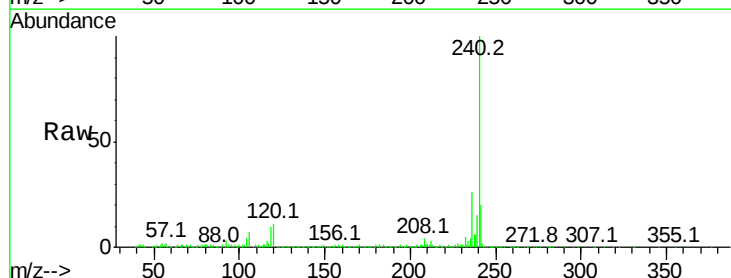
Tgt Ion:240 Resp: 523562

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

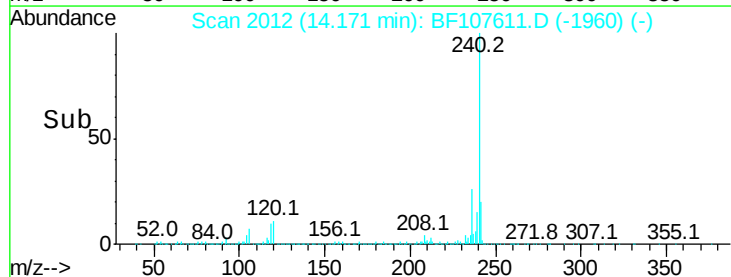
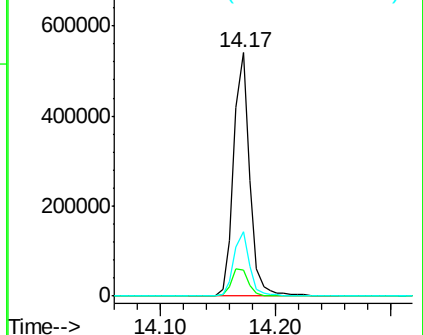
236 26.4 20.7 31.1

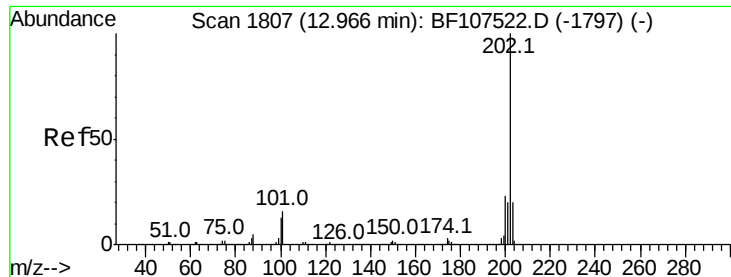


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

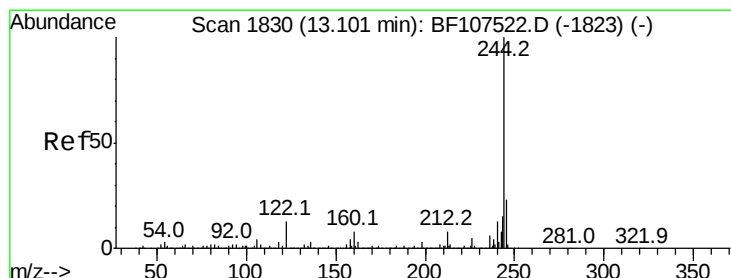
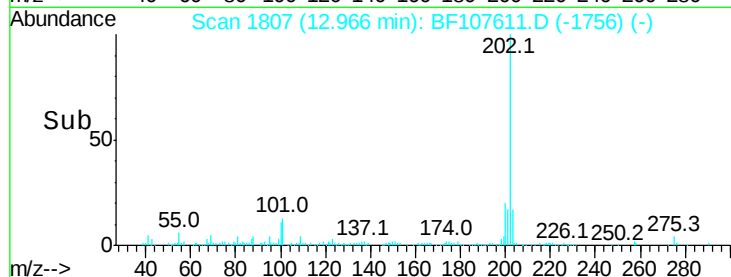
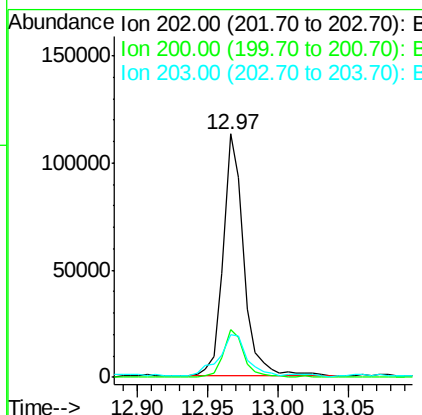
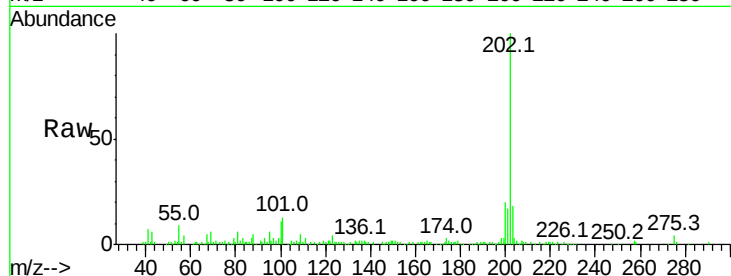




#77
Pvrene
Concen: 3.233 ng
RT: 12.97 min Scan# 1807
Delta R.T. 0.00 min
Lab File: BF107611.D
Acq: 24 Jul 2018 9:38

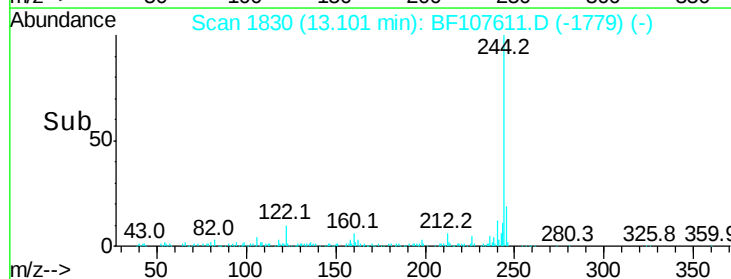
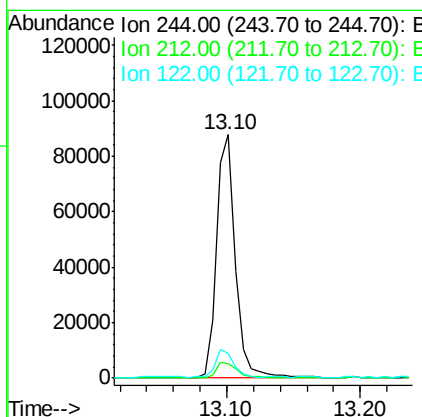
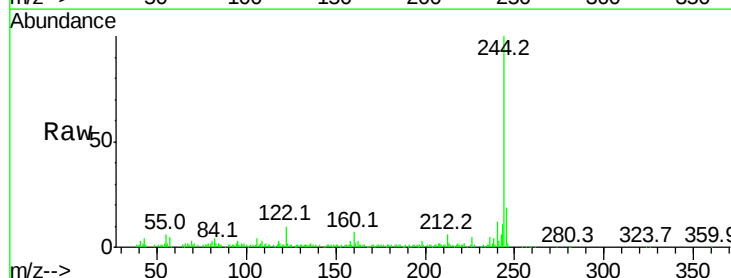
Instrument :
BNA_F
ClientSampleId :

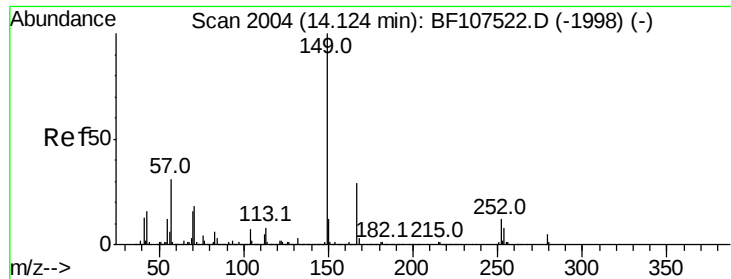
Tot Ion:202 Resp: 115775
Ion Ratio Lower Upper
202 100
200 19.9 17.4 26.2
203 17.7 14.3 21.5



#78
Terphenyl-d14
Concen: 4.289 ng
RT: 13.10 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BF107611.D
Acq: 24 Jul 2018 9:38

Tgt Ion:244 Resp: 87715
Ion Ratio Lower Upper
244 100
212 5.8 5.4 8.0
122 9.9 11.0 16.4#

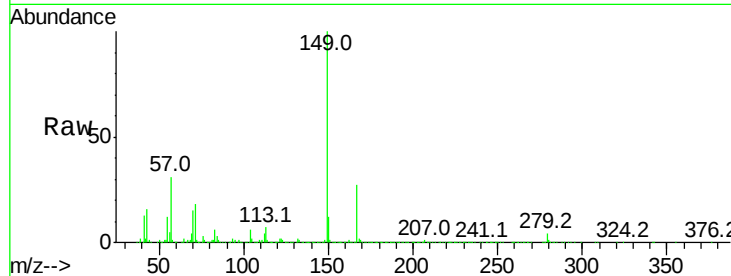




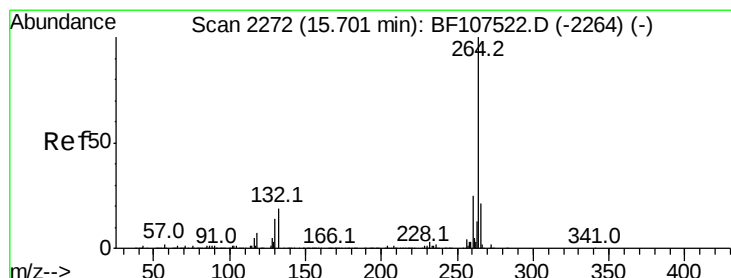
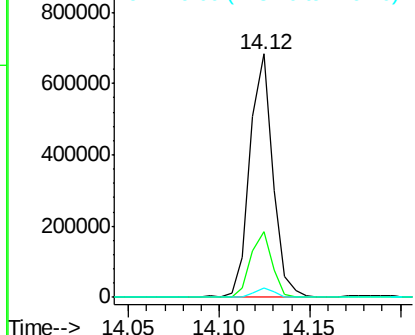
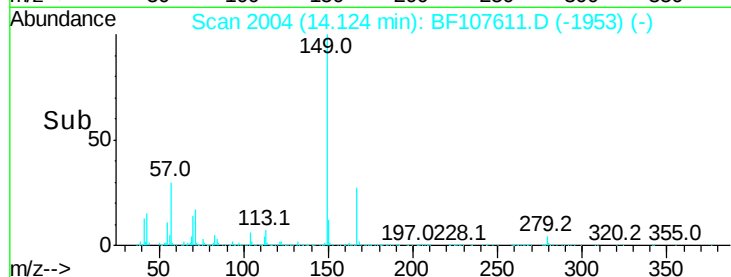
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 27.449 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: BF107611.D
 Acq: 24 Jul 2018 9:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 596491
 Ion Ratio Lower Upper
 149 100
 167 27.0 21.3 31.9
 279 3.7 3.0 4.4

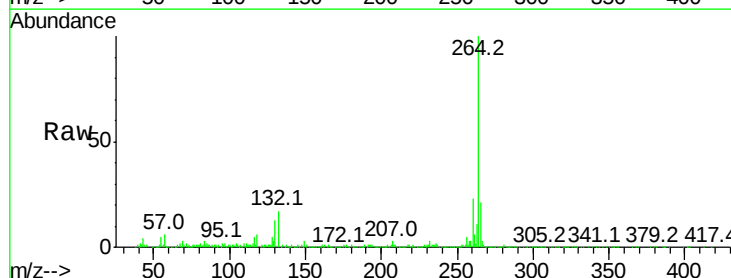


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

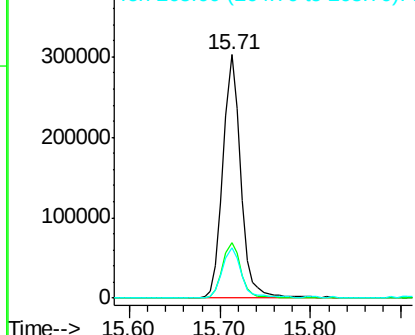
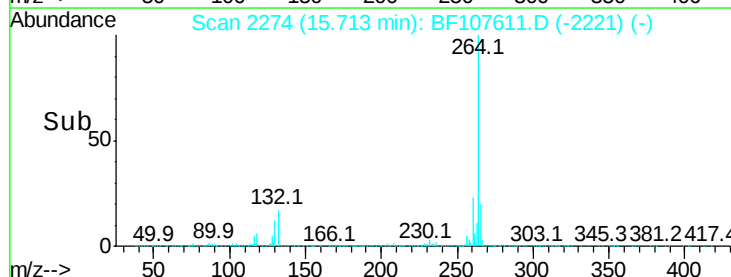


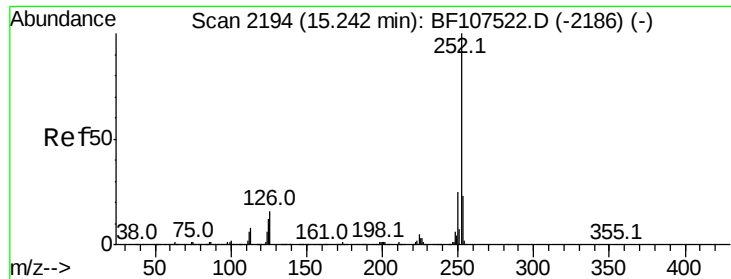
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.71 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF107611.D
 Acq: 24 Jul 2018 9:38

Tgt Ion:264 Resp: 409383
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 20.6 17.5 26.3



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

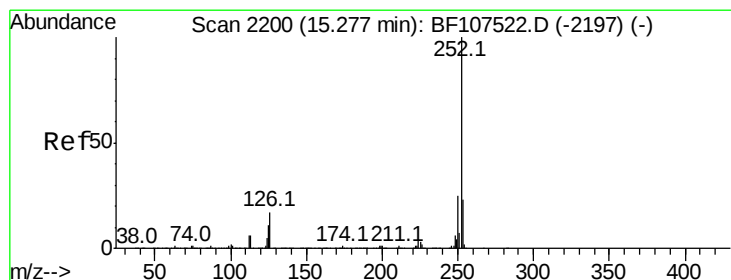
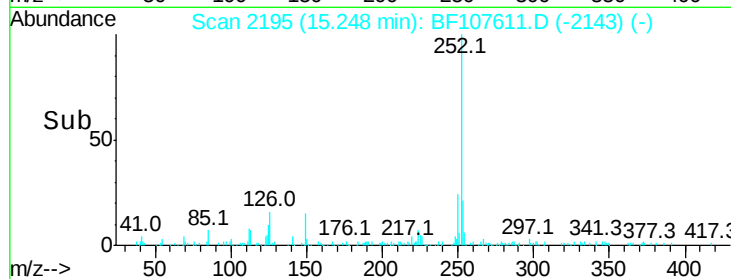
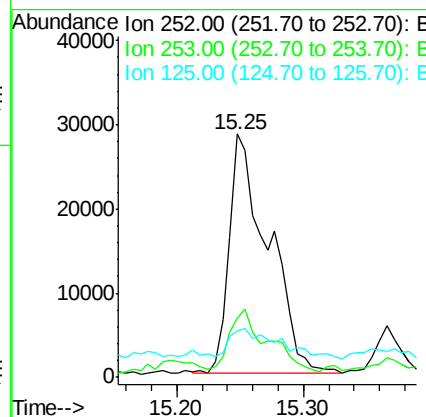
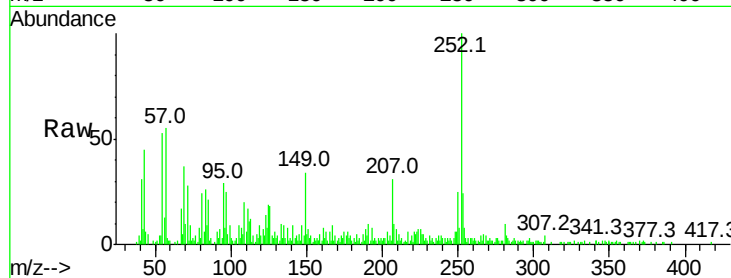




#87
Benzo(b)fluoranthene
Concen: 2.693 ng
RT: 15.25 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF107611.D
Acq: 24 Jul 2018 9:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	19.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 2.749 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BF107611.D
Acq: 24 Jul 2018 9:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	19.1	10.2	15.2

