

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106677.D
 Acq On : 21 Jun 2018 22:42
 Operator : JU/SJ
 Sample : J3523-06 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 03:24:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	66919	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	257482	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	117675	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	206410	20.00	ng	0.00
75) Chrysene-d12	14.14	240	203364	20.00	ng	-0.01
86) Perylene-d12	15.68	264	149553	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	34019	8.61	ng	0.00
7) Phenol-d6	6.60	99	122855	24.89	ng	-0.01
23) Nitrobenzene-d5	7.52	82	79105	17.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	1645	1.21	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	158546	9.75	ng	-0.01
78) Terphenyl-d14	13.07	244	163657	19.49	ng	-0.01

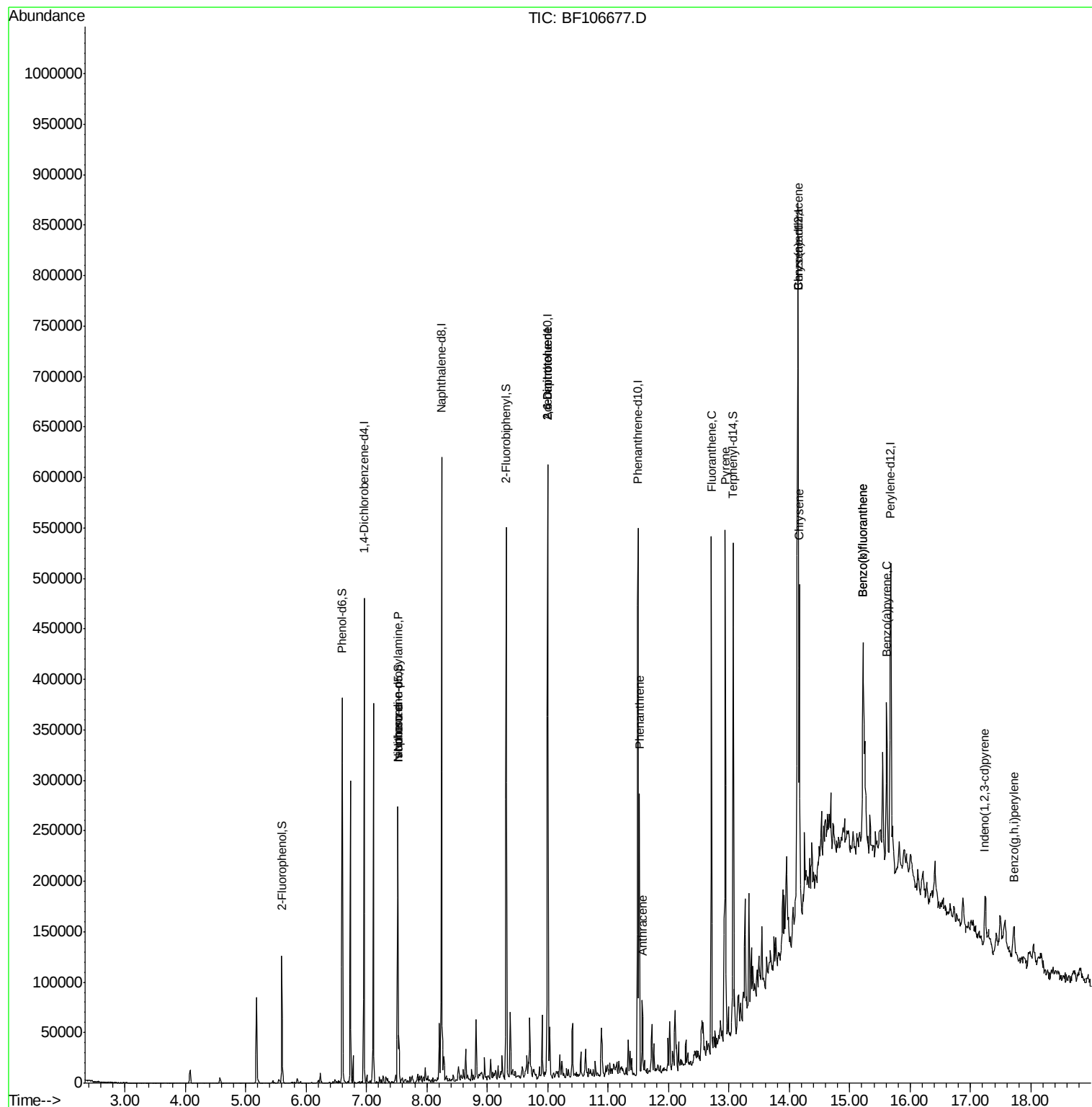
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	11480	3.529	ng	# 74
25) Isophorone	7.52	82	79103	9.689	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	15849	8.480	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	15849	6.497	ng	# 21
70) Phenanthrene	11.52	178	100264	10.071	ng	99
71) Anthracene	11.57	178	27785	2.734	ng	99
74) Fluoranthene	12.71	202	218777	19.938	ng	93
77) Pyrene	12.94	202	204280	15.233	ng	99
80) Benzo(a)anthracene	14.14	228	154718	12.483	ng	99
82) Chrysene	14.17	228	135823	11.911	ng	98
85) Indeno(1,2,3-cd)pyrene	17.24	276	33442	3.456	ng	# 92
87) Benzo(b)fluoranthene	15.22	252	168775	18.167	ng	96
88) Benzo(k)fluoranthene	15.22	252	168775	19.077	ng	97
89) Benzo(a)pyrene	15.61	252	79449	9.620	ng	97
91) Benzo(a,h,i)perylene	17.72	276	31954	4.671	ng	# 88

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106677.D
Acq On : 21 Jun 2018 22:42
Operator : JU/SJ
Sample : J3523-06 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 22 03:24:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 19 14:32:09 2018
Response via : Initial Calibration



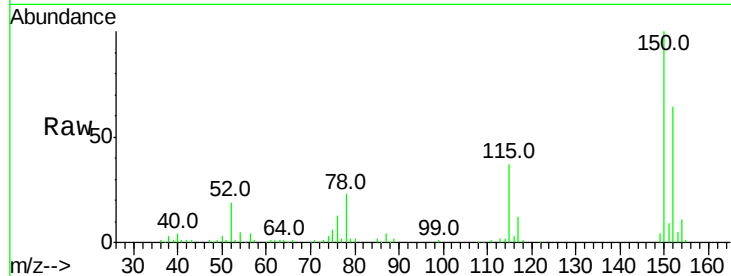


#1

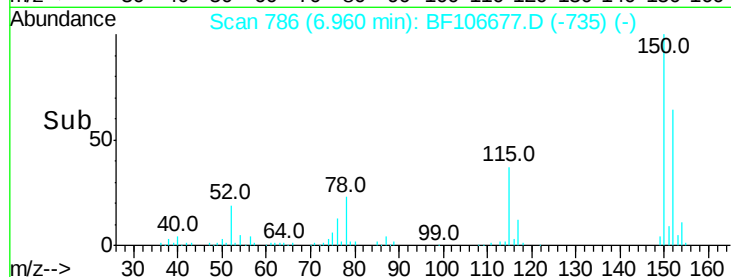
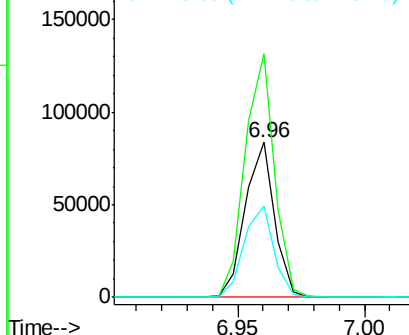
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106677.D
Acq: 21 Jun 2018 22:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66919
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 58.9 50.1 75.1



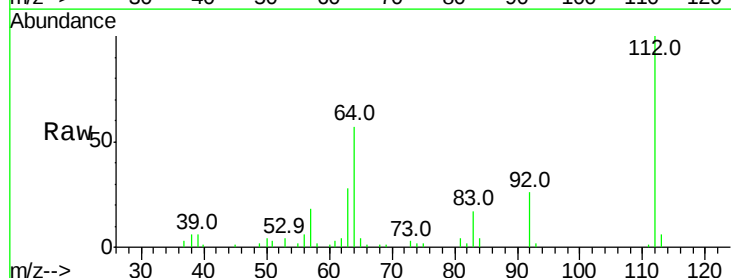
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



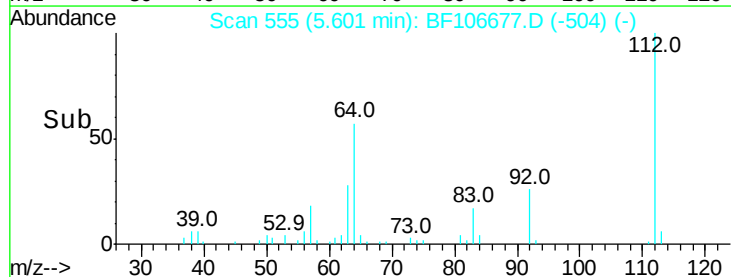
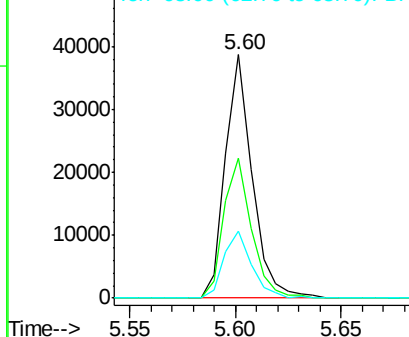
#5

2-Fluorophenol
Concen: 8.608 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106677.D
Acq: 21 Jun 2018 22:42

Tgt Ion:112 Resp: 34019
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 27.7 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: 24.894 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

Instrument :

BNA_F

ClientSampleId :

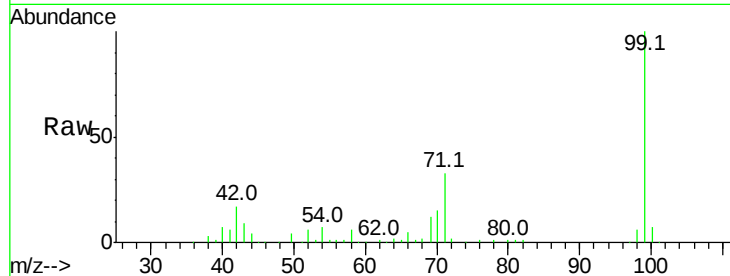
Tot Ion: 99 Resp: 122855

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

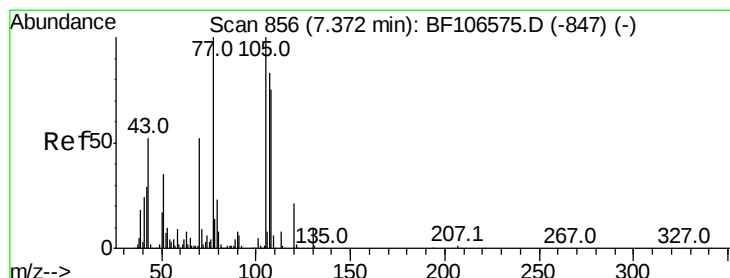
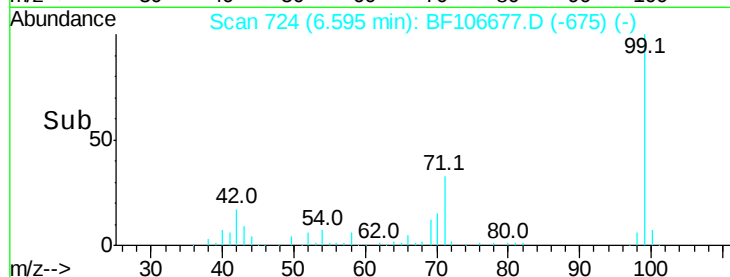
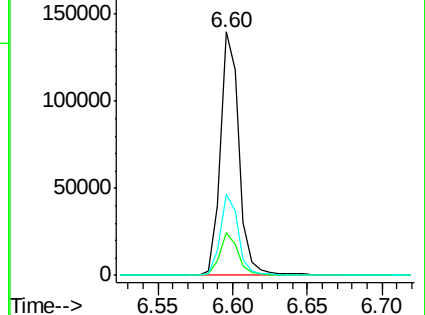
71 33.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.529 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

Tgt Ion: 70 Resp: 11480

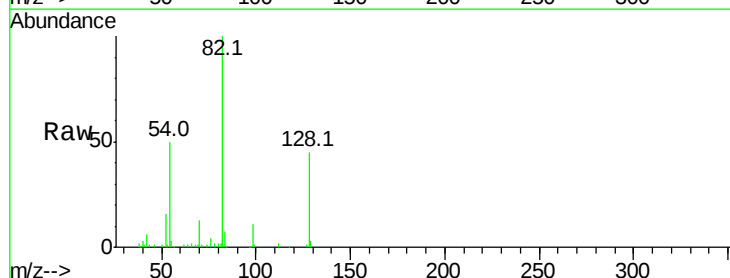
Ion Ratio Lower Upper

70 100

42 44.3 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

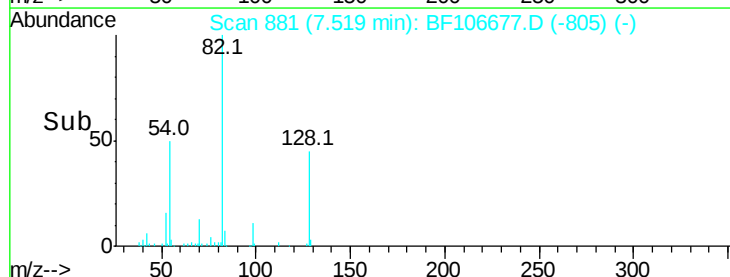
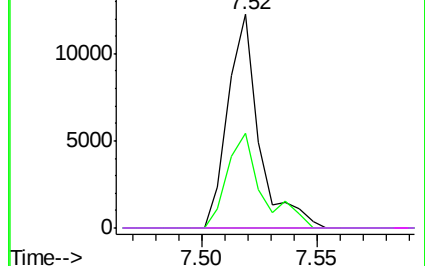


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF106677.D

Acq: 21 Jun 2018 22:42

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 257482

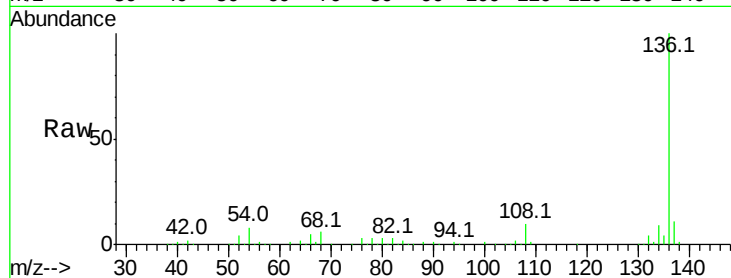
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.0 6.6 9.8

68 6.5 5.0 7.4

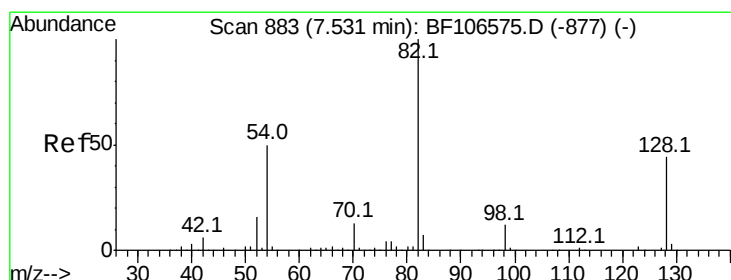
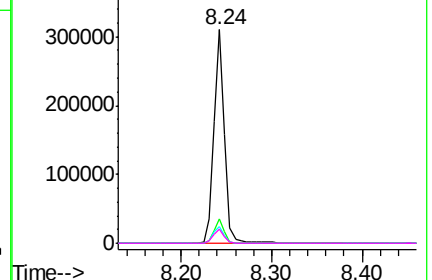
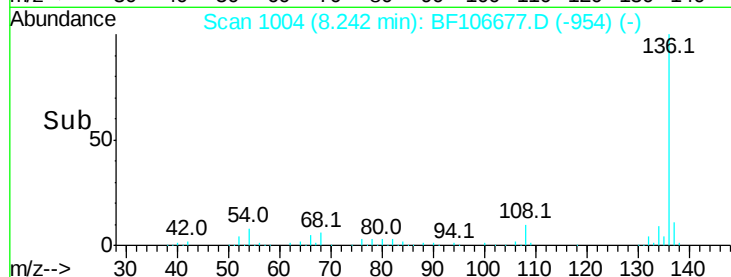


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.074 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

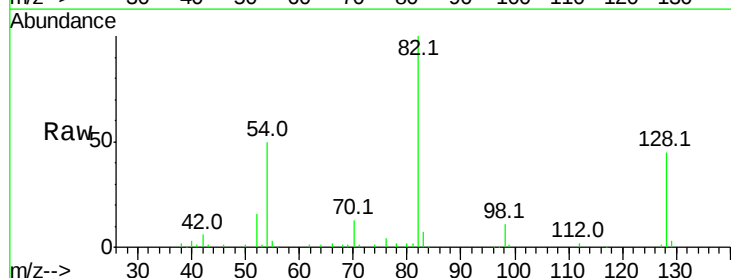
Tgt Ion: 82 Resp: 79105

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

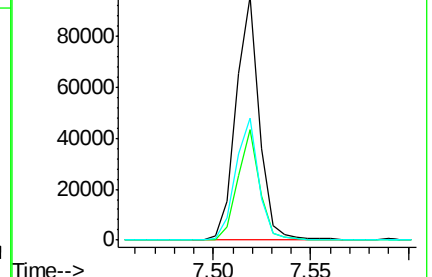
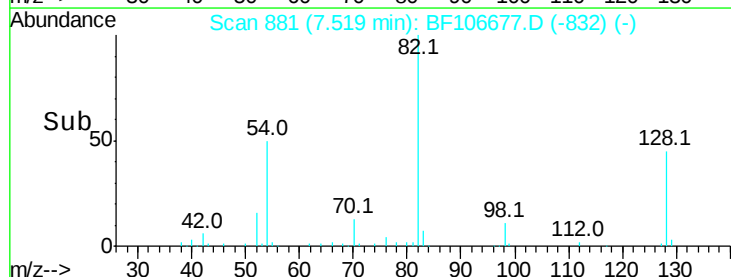
54 49.9 41.4 62.2

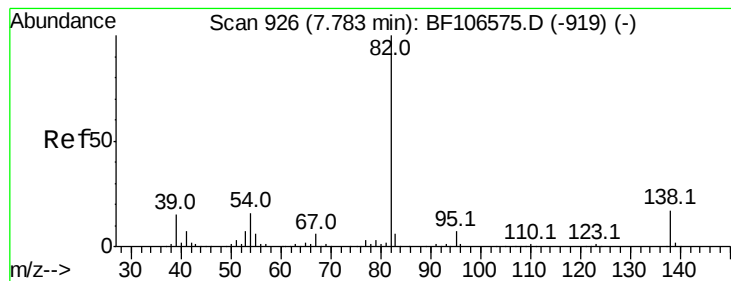


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.689 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

Instrument :

BNA_F

ClientSampleId :

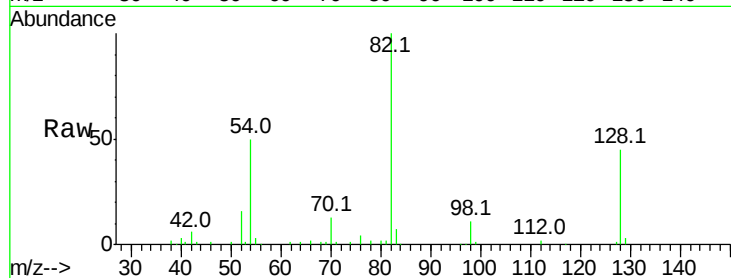
Tot Ion: 82 Resp: 79103

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

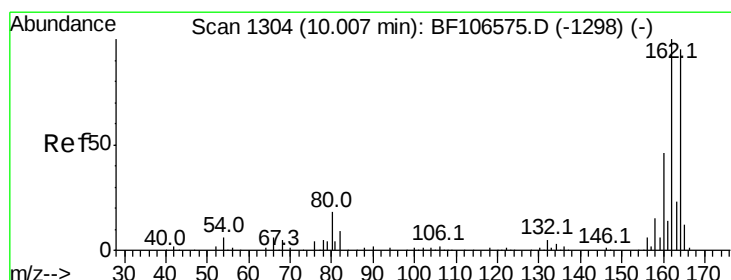
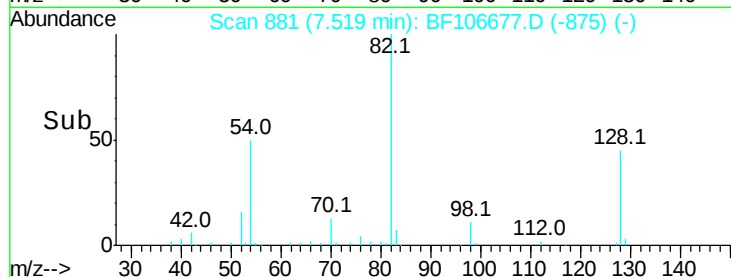
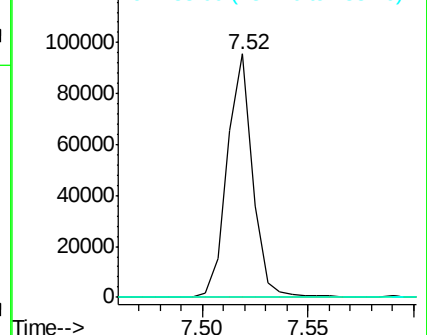
138 0.0 14.9 22.3#



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: BF106677.D

Acq: 21 Jun 2018 22:42

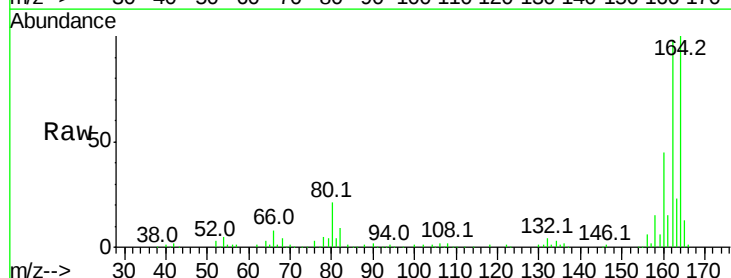
Tgt Ion:164 Resp: 117675

Ion Ratio Lower Upper

164 100

162 98.3 86.1 129.1

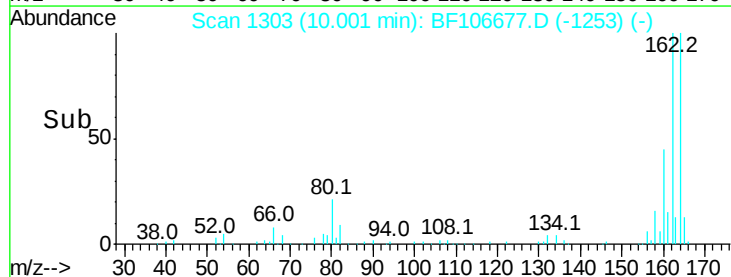
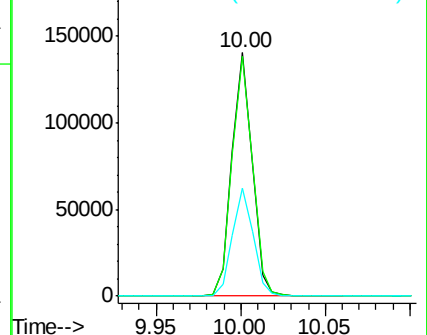
160 44.5 38.3 57.5



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

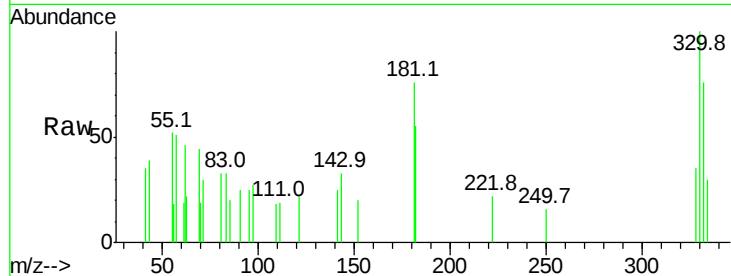




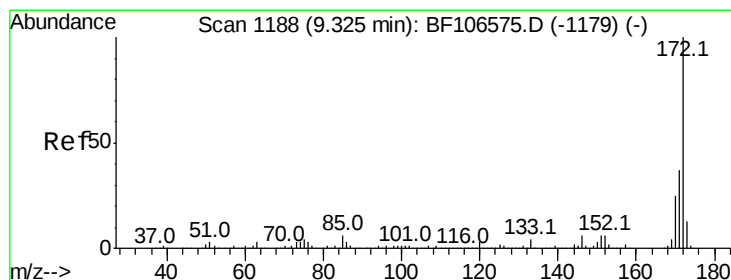
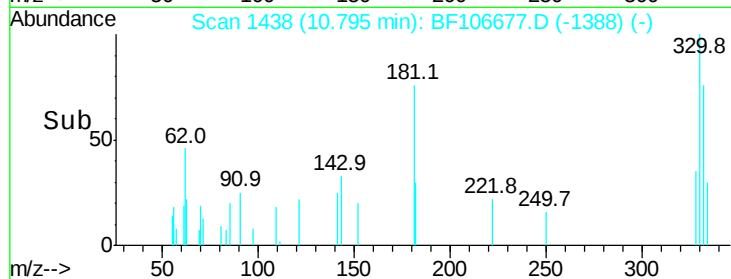
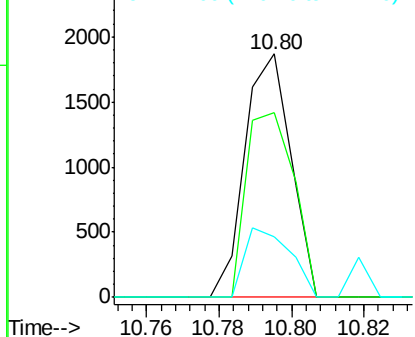
#41
 2,4,6-Tribromophenol
 Concen: 1.206 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106677.D
 Acq: 21 Jun 2018 22:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 1645
 Ion Ratio Lower Upper
 330 100
 332 78.5 77.0 115.6
 141 28.0 29.9 44.9#

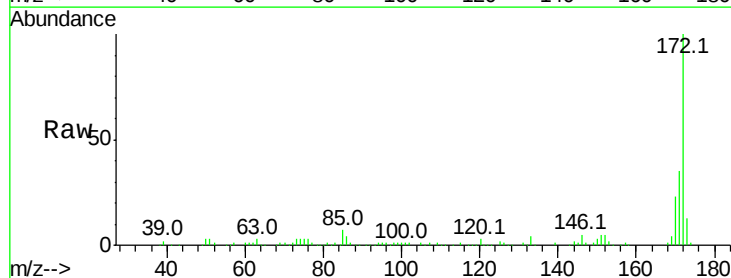


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

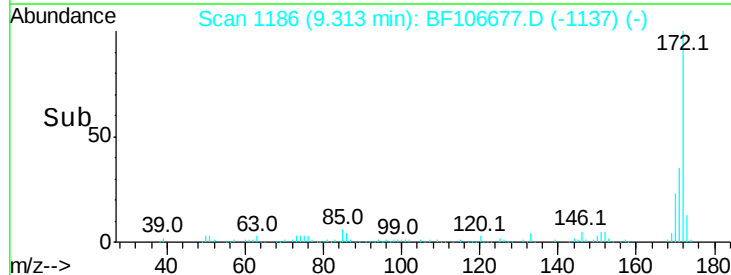
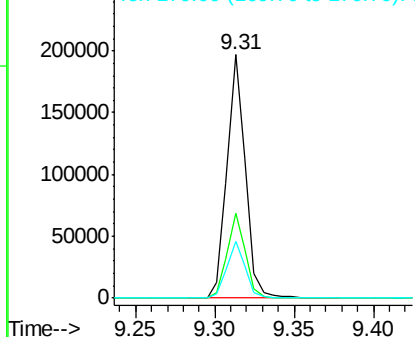


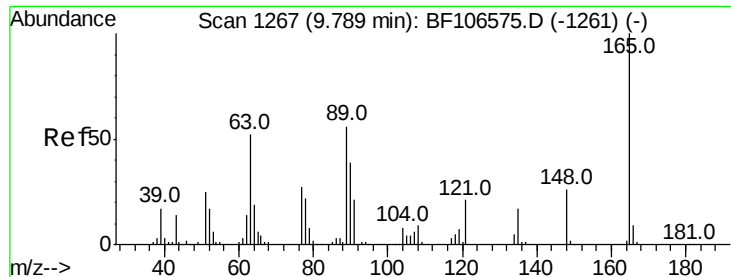
#44
 2-Fluorobiphenyl
 Concen: 9.745 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106677.D
 Acq: 21 Jun 2018 22:42

Tgt Ion:172 Resp: 158546
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 23.3 19.6 29.4



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

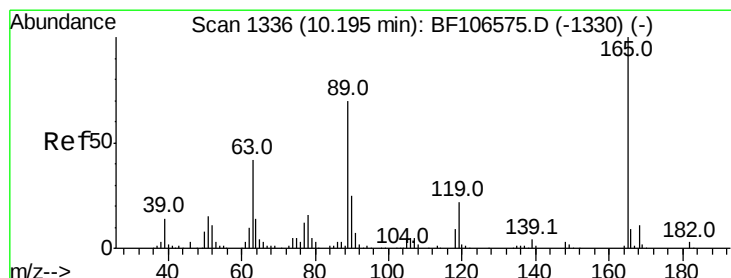
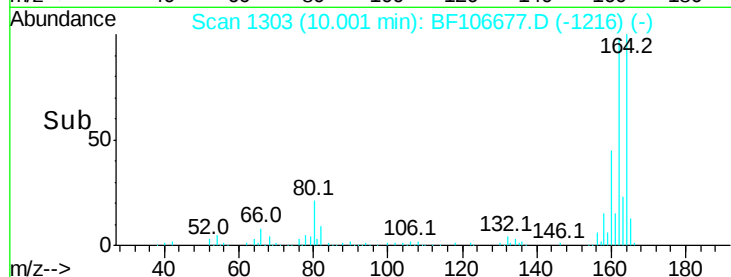
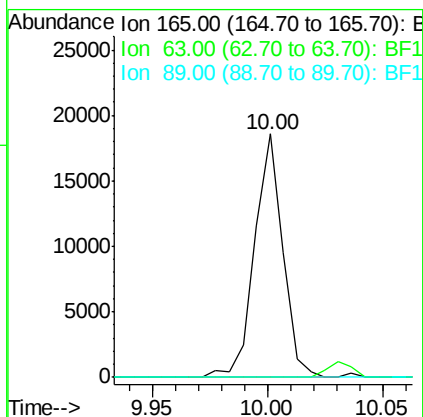
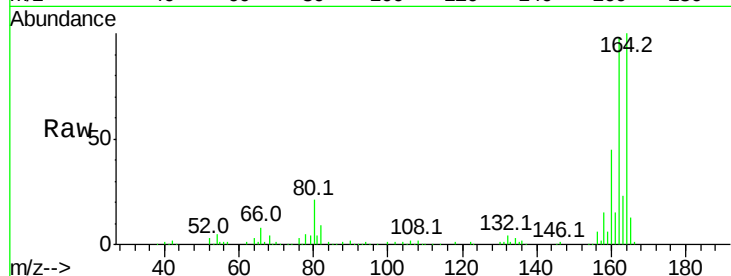




#50
 2,6-Dinitrotoluene
 Concen: 8.480 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF106677.D
 Acq: 21 Jun 2018 22:42

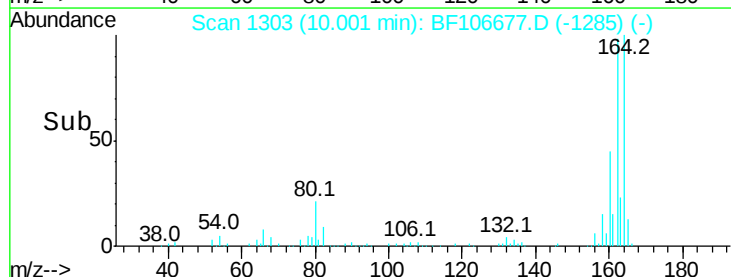
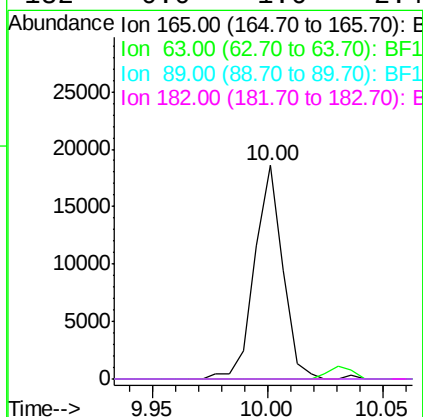
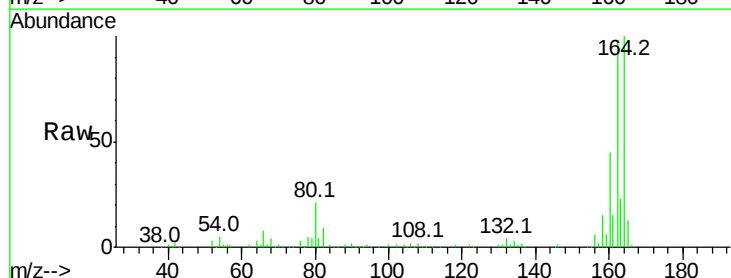
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 15849
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.497 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106677.D
 Acq: 21 Jun 2018 22:42

Tgt Ion:165 Resp: 15849
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

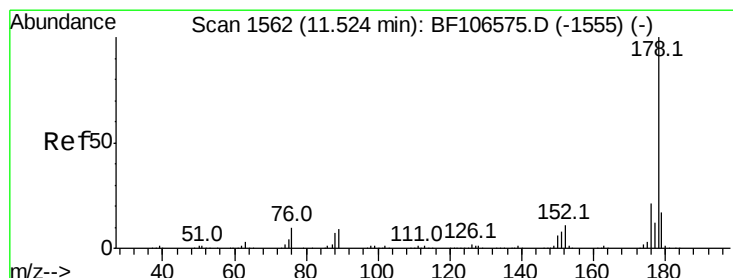
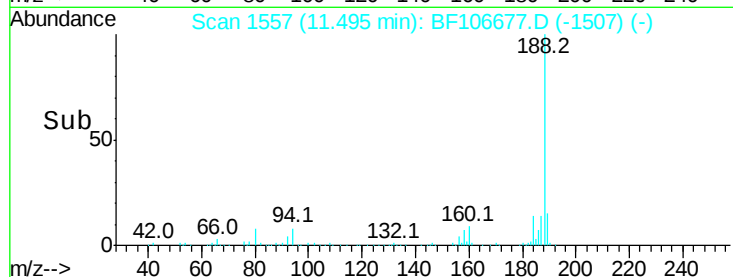
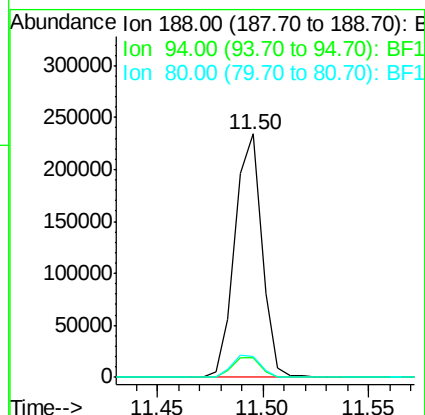
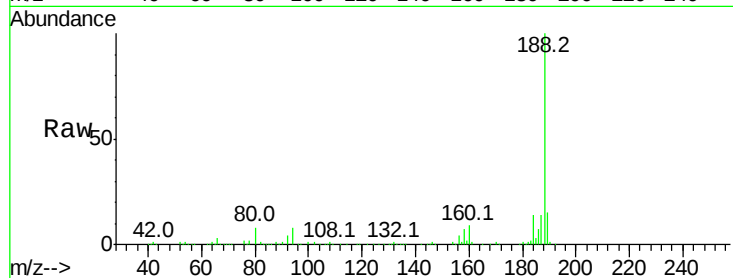




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106677.D
Acq: 21 Jun 2018 22:42

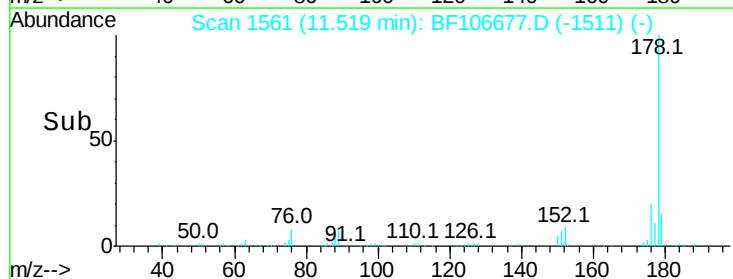
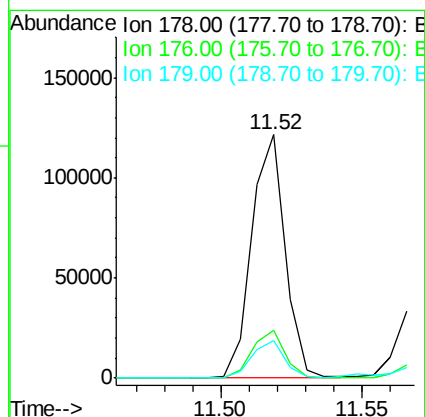
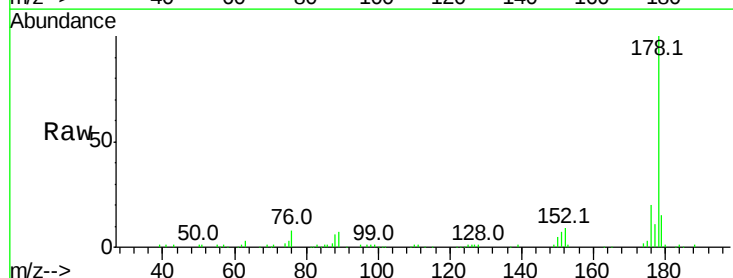
Instrument :
BNA_F
ClientSampleId :

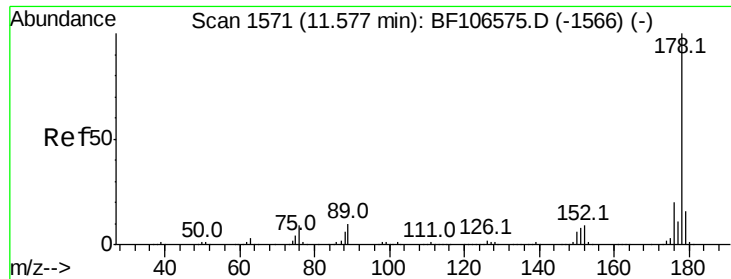
Tot Ion:188 Resp: 206410
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 8.5 9.2 13.8#



#70
Phenanthrene
Concen: 10.071 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106677.D
Acq: 21 Jun 2018 22:42

Tgt Ion:178 Resp: 100264
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.2 13.0 19.6

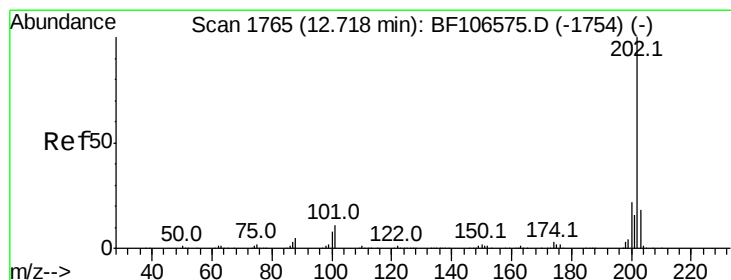
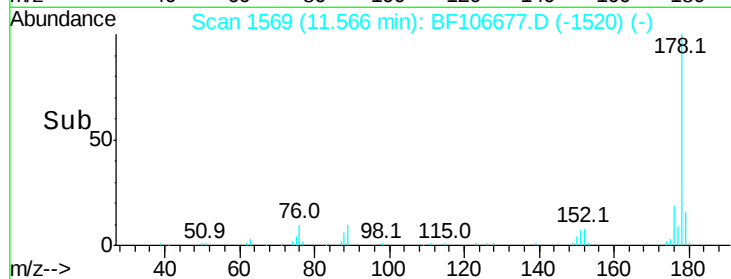
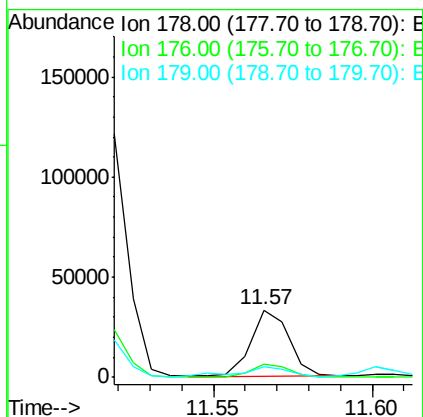
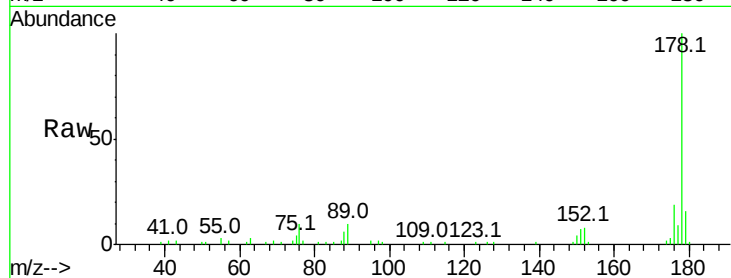




#71
 Anthracene
 Concen: 2.734 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF106677.D
 Acq: 21 Jun 2018 22:42

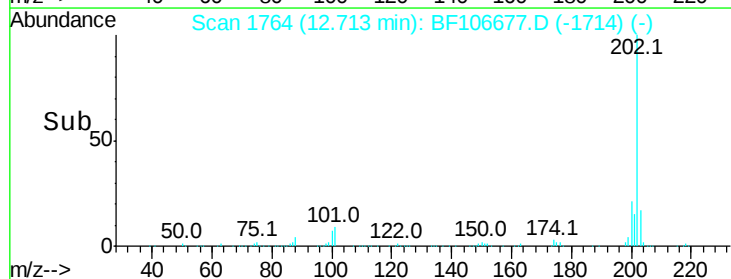
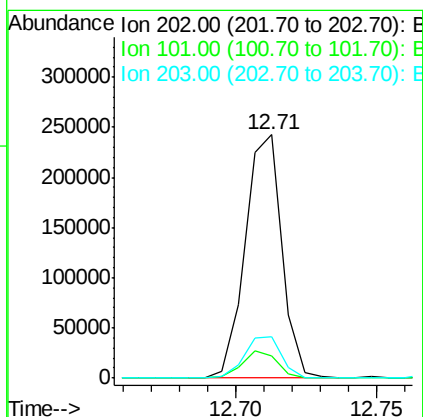
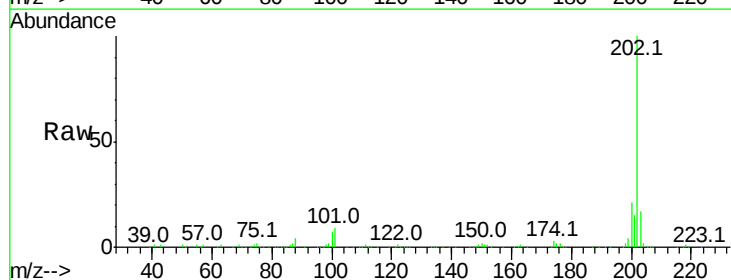
Instrument :
 BNA_F
 ClientSampleId :

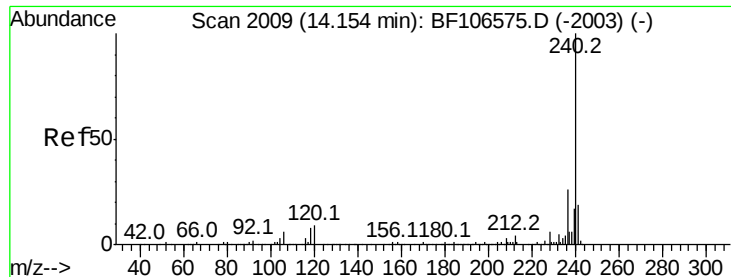
Tot Ion:178 Resp: 27785
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 16.1 12.6 19.0



#74
 Fluoranthene
 Concen: 19.938 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106677.D
 Acq: 21 Jun 2018 22:42

Tgt Ion:202 Resp: 218777
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 34.1
 203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

Instrument :

BNA_F

ClientSampleId :

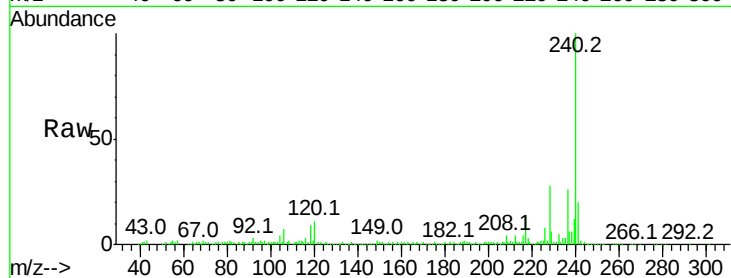
Tot Ion:240 Resp: 203364

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

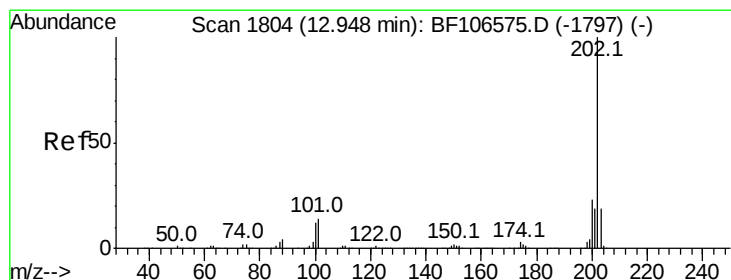
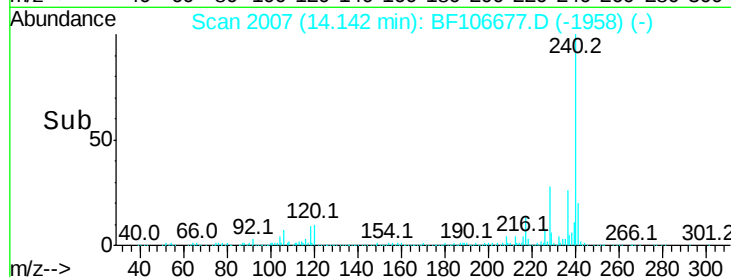
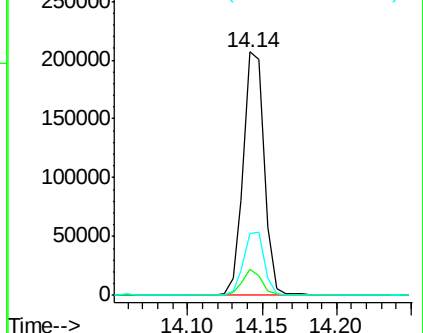
236 25.6 20.7 31.1



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: 15.233 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

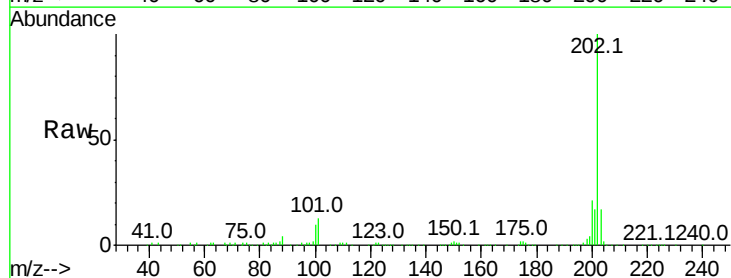
Tgt Ion:202 Resp: 204280

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

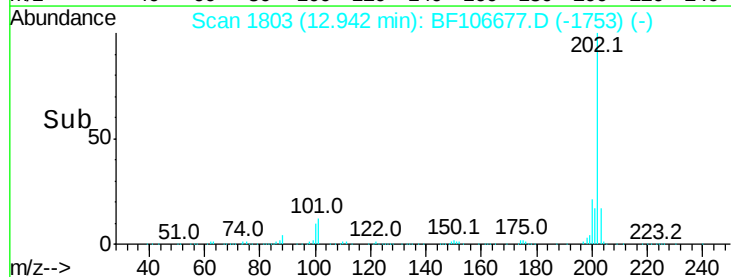
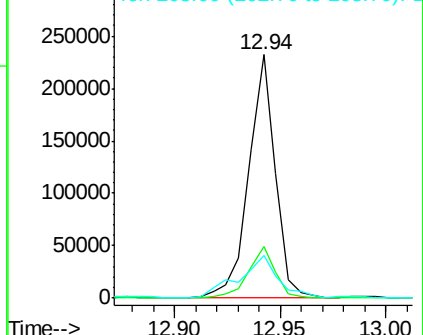
203 17.4 14.3 21.5

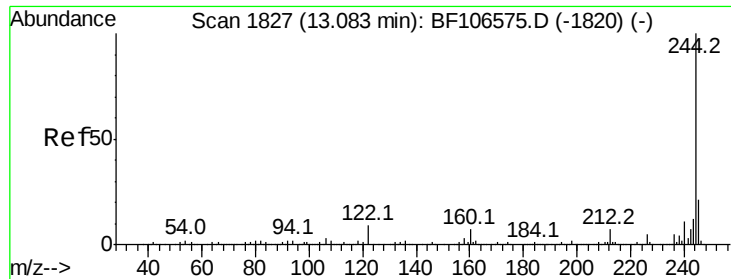


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.493 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

Instrument :

BNA_F

ClientSampleId :

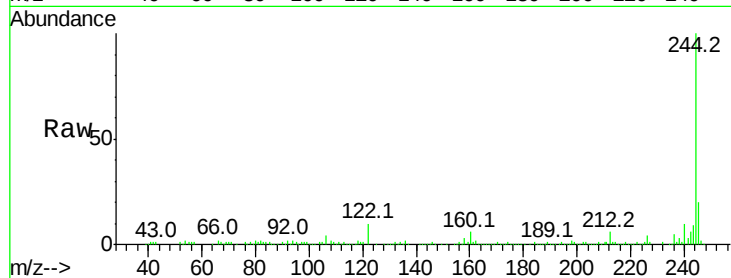
Tot Ion:244 Resp: 163657

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

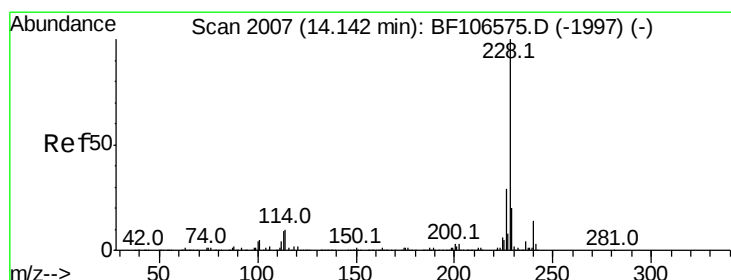
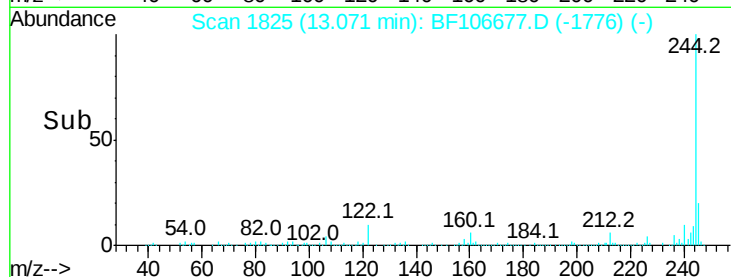
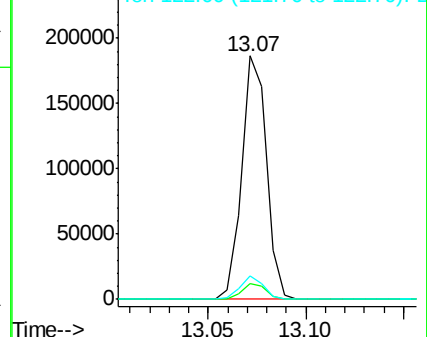
122 9.7 11.0 16.4#



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: 12.483 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

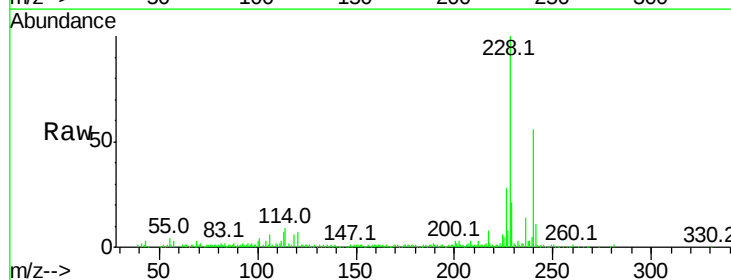
Tgt Ion:228 Resp: 154718

Ion Ratio Lower Upper

228 100

226 27.7 22.6 33.8

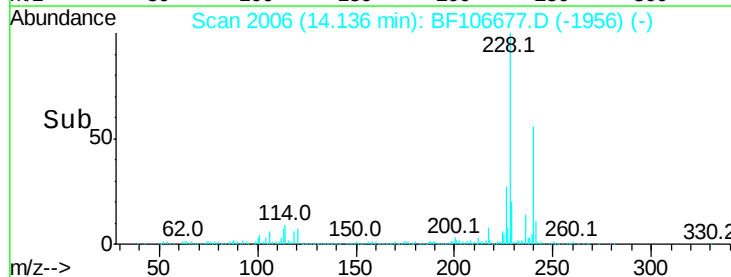
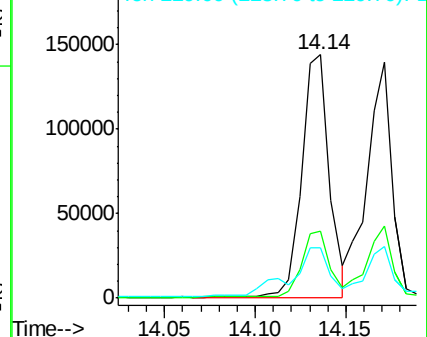
229 20.5 15.8 23.6

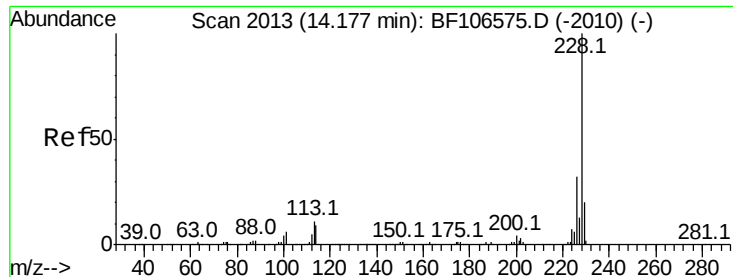


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.911 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

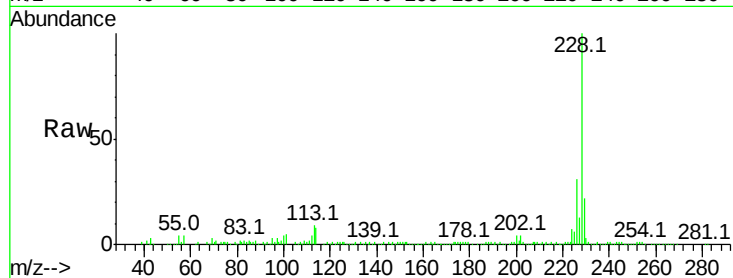
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 135823

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.1	16.2	24.4



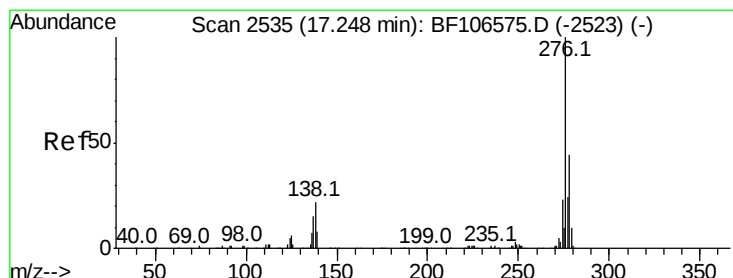
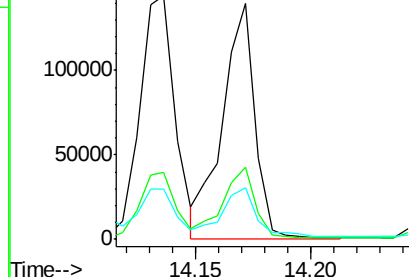
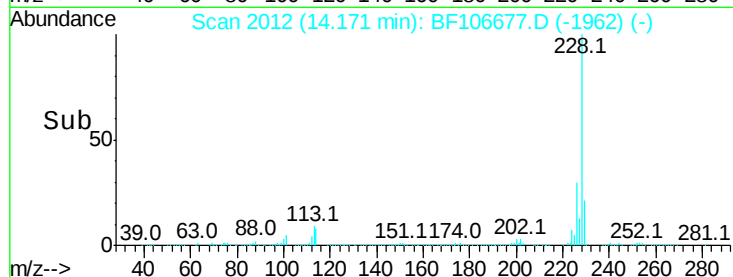
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

14.17



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.456 ng

RT: 17.24 min Scan# 2534

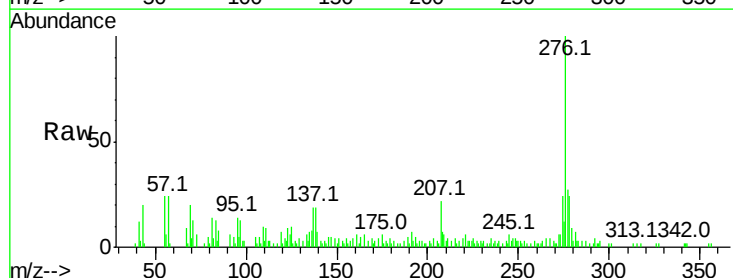
Delta R.T. -0.01 min

Lab File: BF106677.D

Acq: 21 Jun 2018 22:42

Tgt Ion:276 Resp: 33442

Ion	Ratio	Lower	Upper
276	100		
138	23.8	25.0	37.6#
277	25.6	20.1	30.1



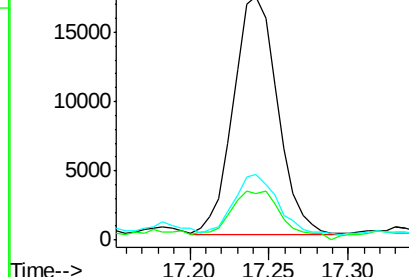
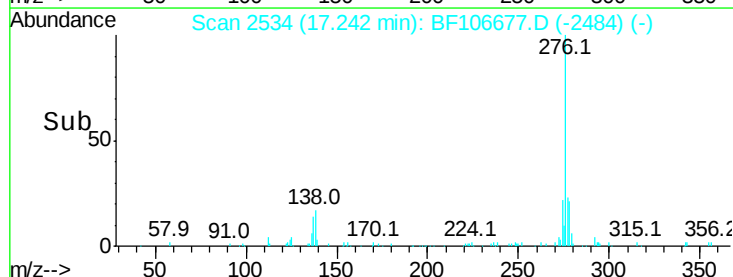
Abundance

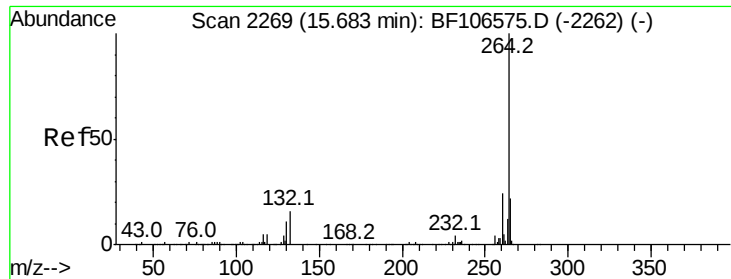
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

17.24



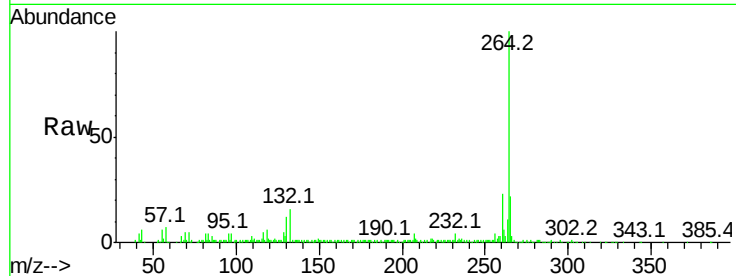


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF106677.D
Acq: 21 Jun 2018 22:42

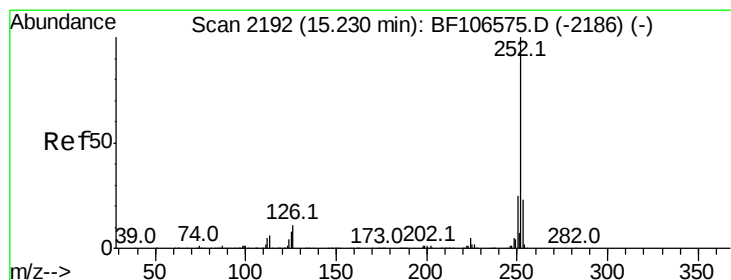
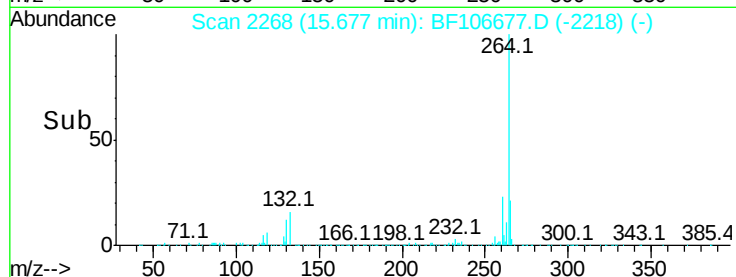
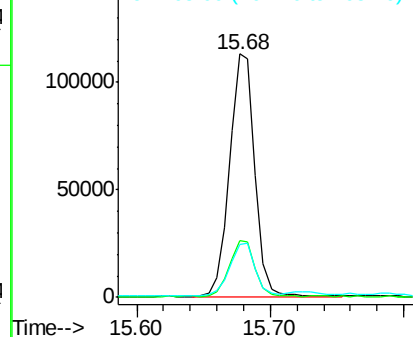
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 149553

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.5	17.5	26.3



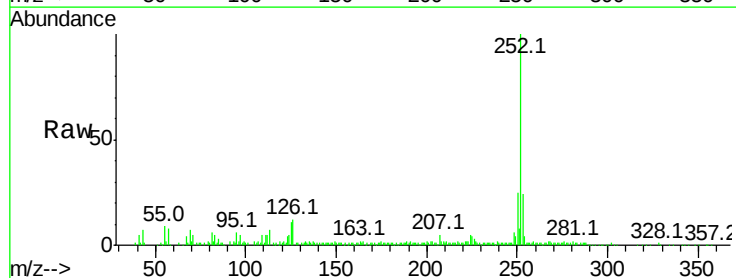
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



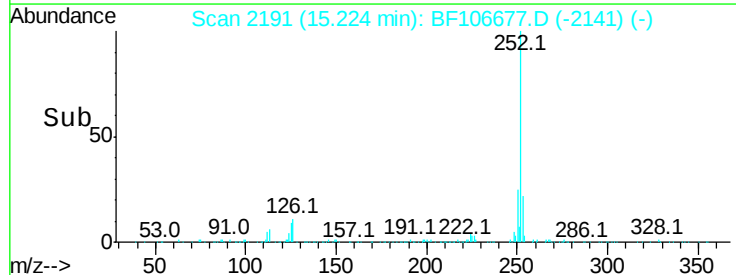
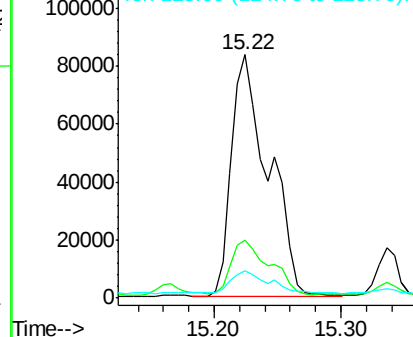
#87
Benzo(b)fluoranthene
Concen: 18.167 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF106677.D
Acq: 21 Jun 2018 22:42

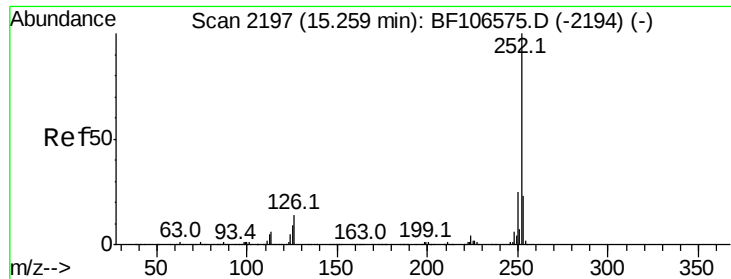
Tgt Ion:252 Resp: 168775

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	11.1	9.0	13.6



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

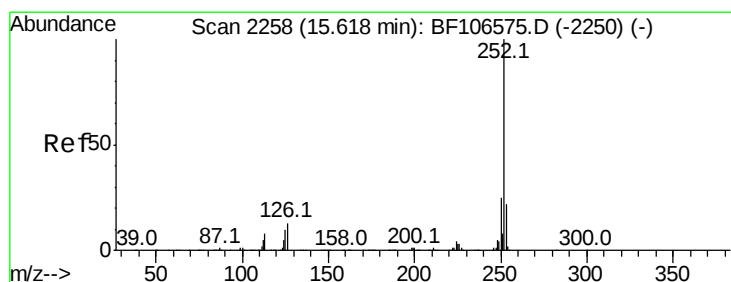
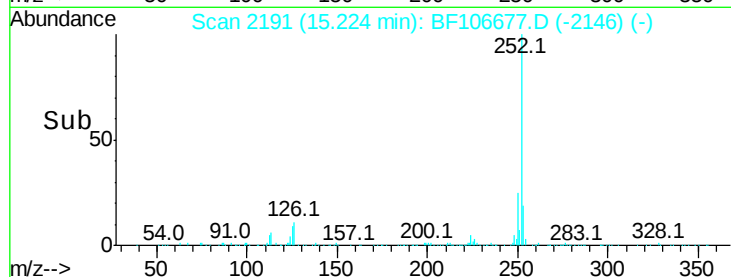
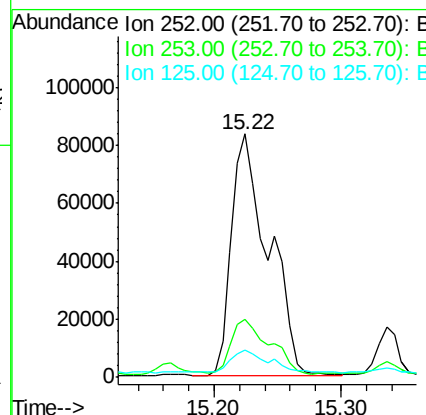
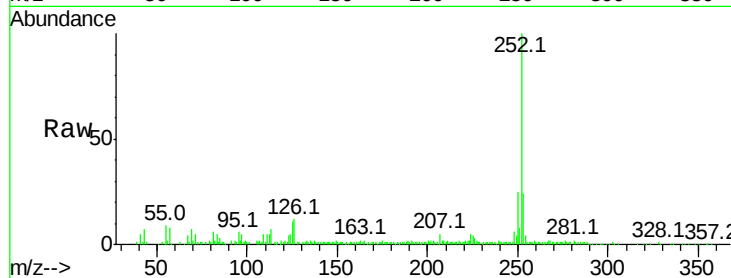




#88
Benzo(k)fluoranthene
Concen: 19.077 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF106677.D
Acq: 21 Jun 2018 22:42

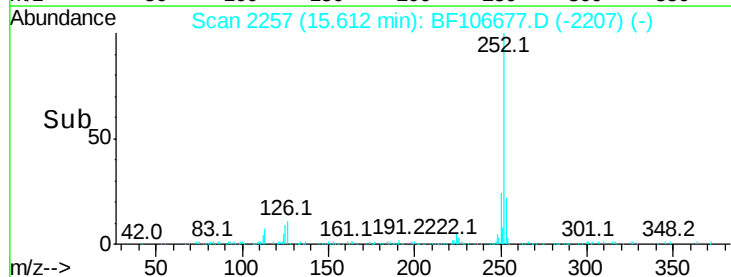
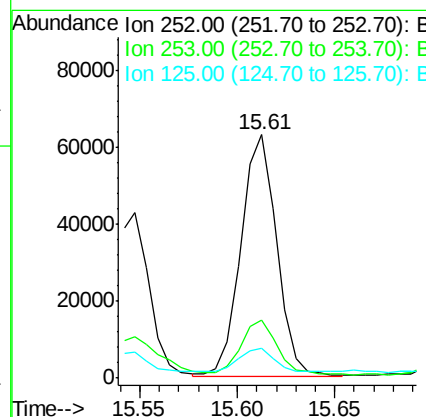
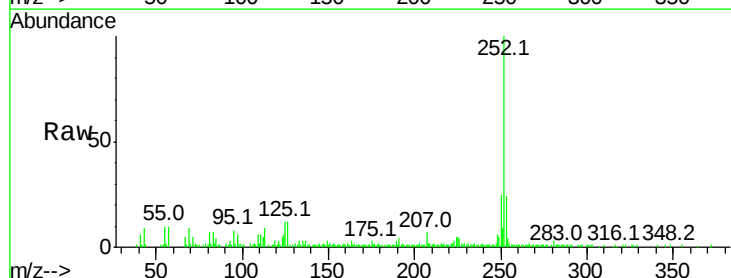
Instrument :
BNA_F
ClientSampleId :

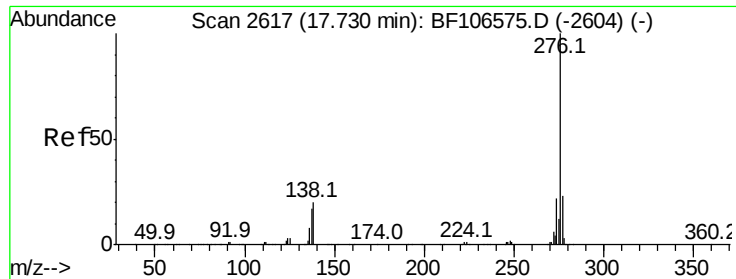
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	11.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 9.620 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF106677.D
Acq: 21 Jun 2018 22:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	12.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.671 ng
 RT: 17.72 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BF106677.D
 Acq: 21 Jun 2018 22:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9
138	20.9	21.8	32.8

