

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106685.D
 Acq On : 22 Jun 2018 2:15
 Operator : JU/SJ
 Sample : J3523-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 03:27:03 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

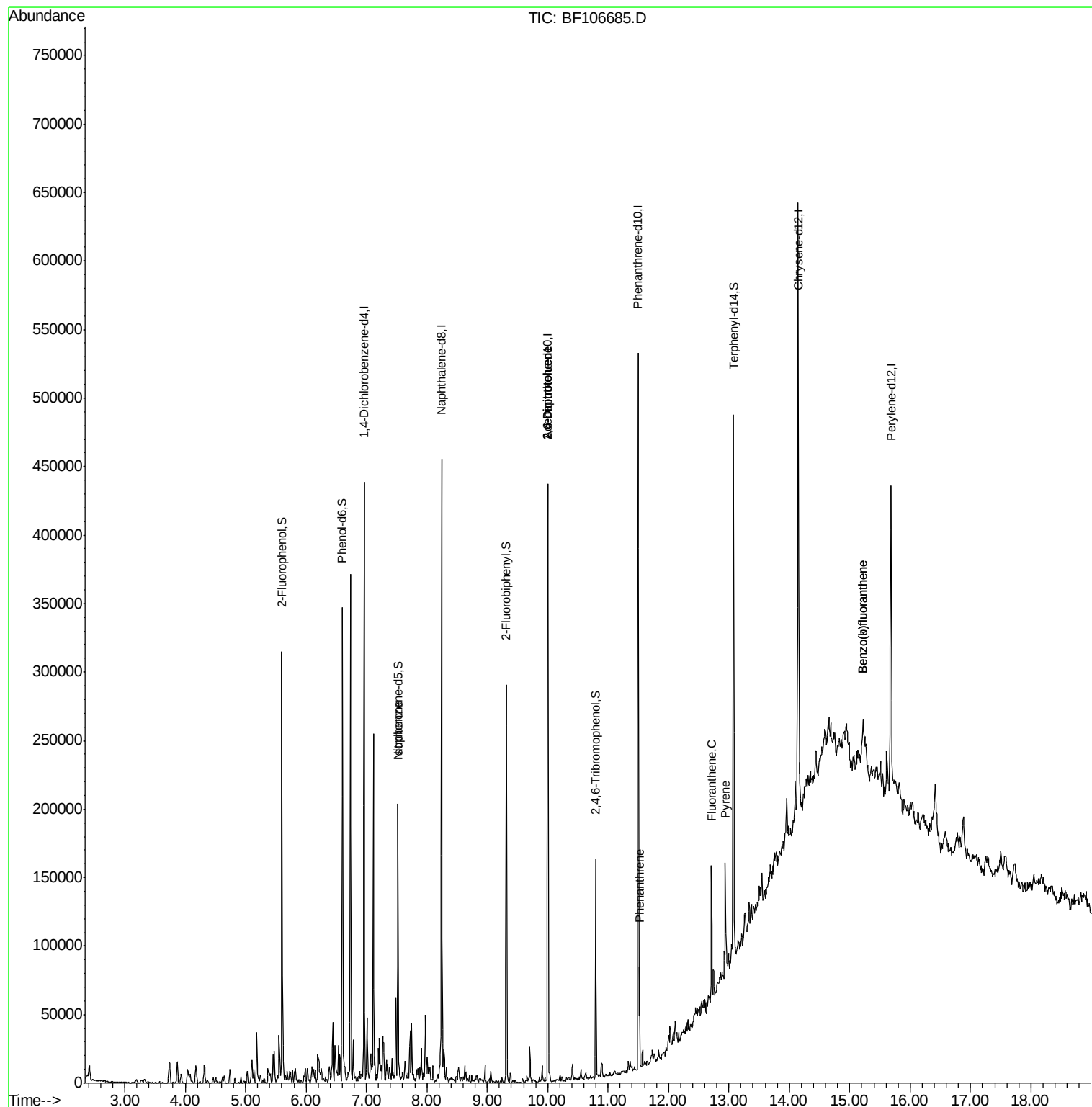
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	56601	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	201993	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	93017	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	191452	20.00	ng	0.00
75) Chrysene-d12	14.15	240	157467	20.00	ng	0.00
86) Perylene-d12	15.68	264	116932	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	84421	25.26	ng	0.00
7) Phenol-d6	6.60	99	105260	25.22	ng	0.00
23) Nitrobenzene-d5	7.52	82	56049	15.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	19689	18.26	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	100005	4.17	ng	-0.01
78) Terphenyl-d14	13.08	244	127669	19.64	ng	0.00
Target Compounds						
25) Isophorone	7.52	82	56049	8.751	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	11753	7.956	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	11753	6.095	ng	# 21
70) Phenanthrene	11.52	178	24046	2.604	ng	99
74) Fluoranthene	12.71	202	37374	3.672	ng	95
77) Pyrene	12.94	202	34636	3.336	ng	97
87) Benzo(b)fluoranthene	15.22	252	23042	3.172	ng	# 73
88) Benzo(k)fluoranthene	15.22	252	23042	3.331	ng	# 76

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106685.D
Acq On : 22 Jun 2018 2:15
Operator : JU/SJ
Sample : J3523-05 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 22 03:27:03 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



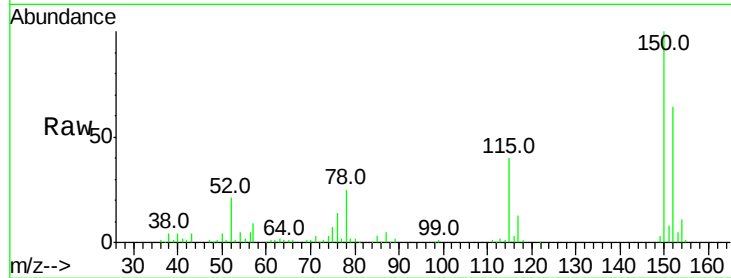


#1

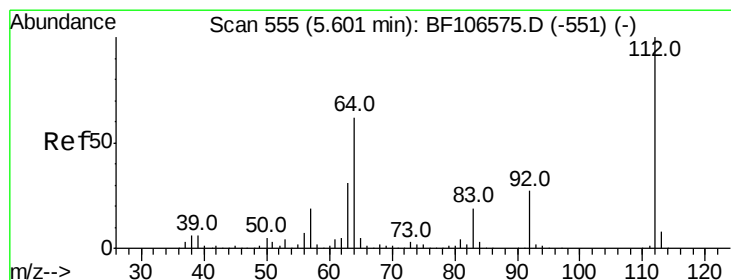
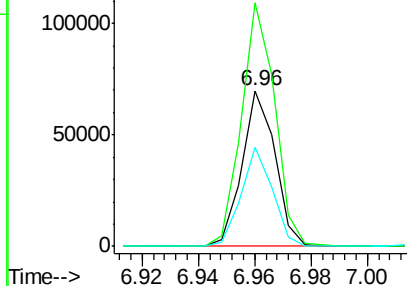
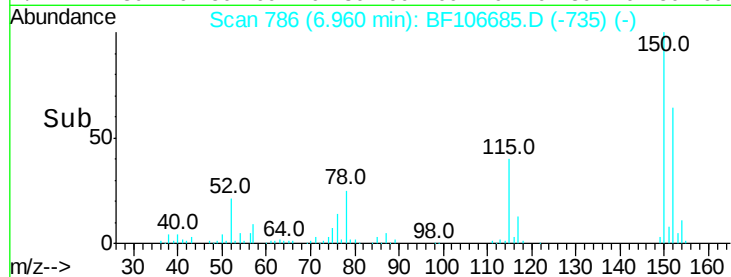
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106685.D
Acq: 22 Jun 2018 2:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 56601
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 63.4 50.1 75.1



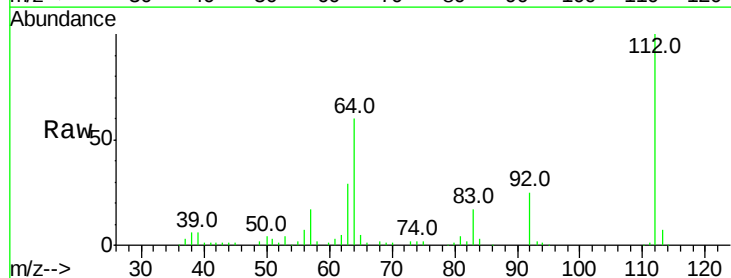
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



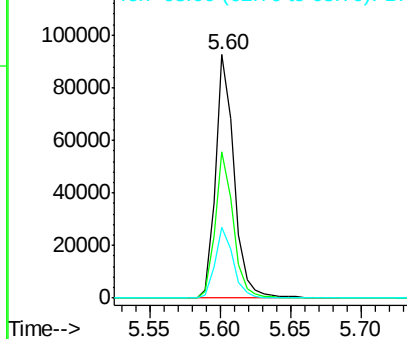
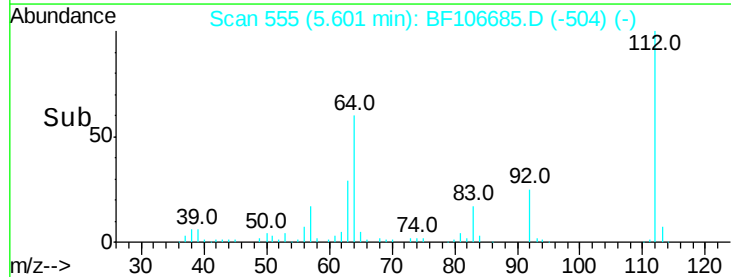
#5

2-Fluorophenol
Concen: 25.256 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106685.D
Acq: 22 Jun 2018 2:15

Tgt Ion:112 Resp: 84421
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 29.3 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: 25.216 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106685.D

Acq: 22 Jun 2018 2:15

Instrument :

BNA_F

ClientSampleId :

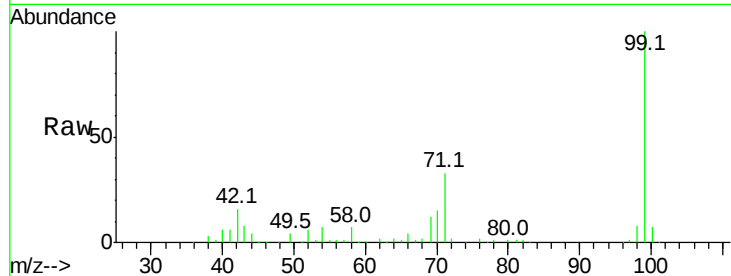
Tot Ion: 99 Resp: 105260

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

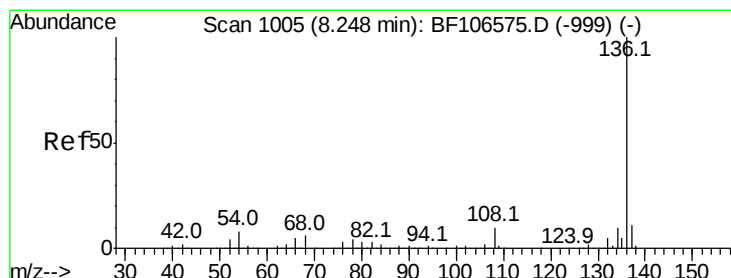
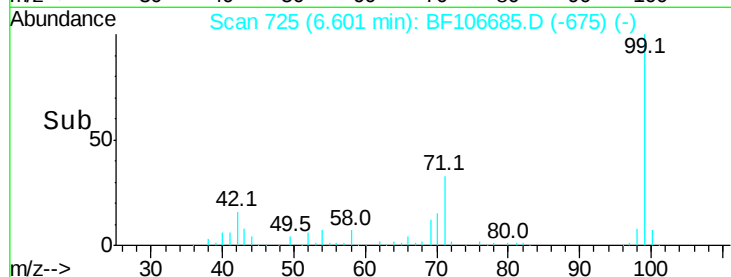
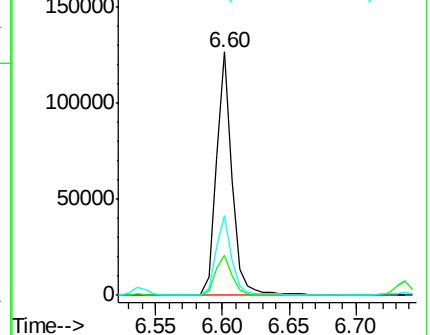
71 32.9 25.4 38.0



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: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106685.D

Acq: 22 Jun 2018 2:15

Tgt Ion: 136 Resp: 201993

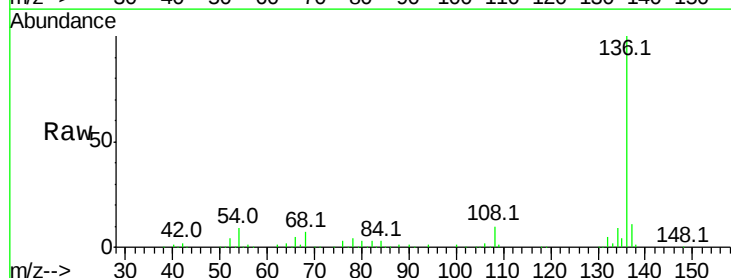
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.1 6.6 9.8

68 6.8 5.0 7.4

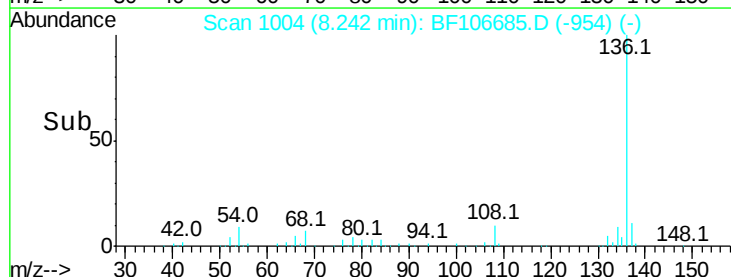
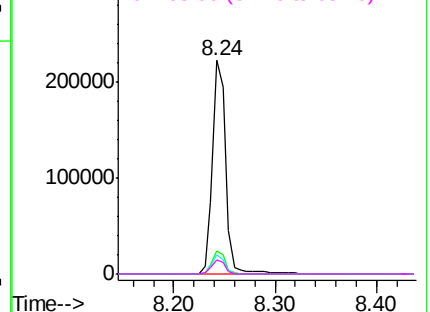


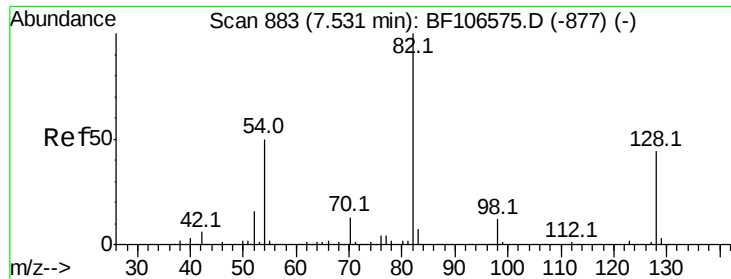
Abundance Ion 136.00 (135.70 to 136.70): E

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

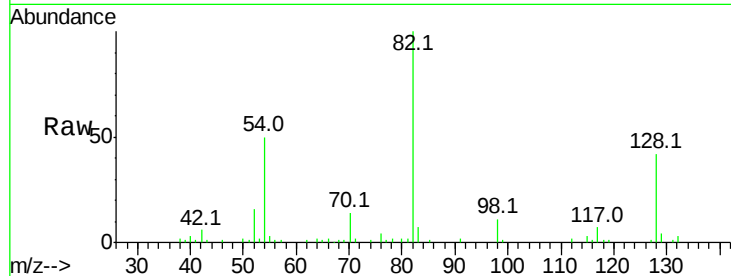




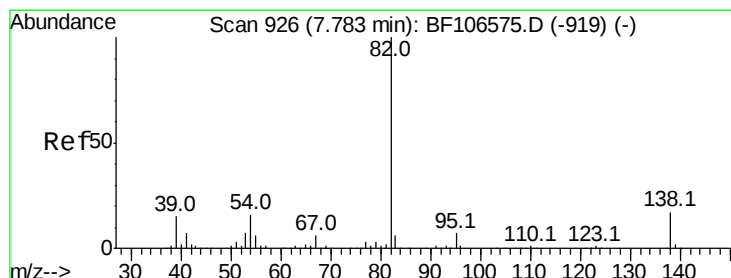
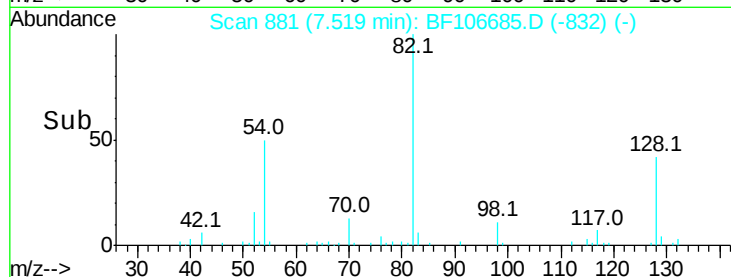
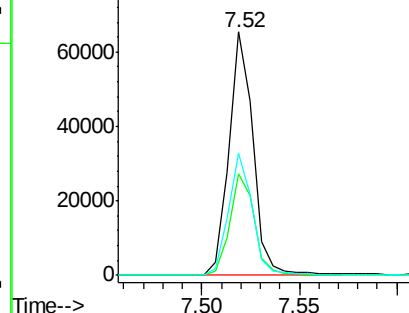
#23
Nitrobenzene-d5
Concen: 15.421 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106685.D
Acq: 22 Jun 2018 2:15

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 56049
Ion Ratio Lower Upper
82 100
128 41.6 36.1 54.1
54 50.0 41.4 62.2

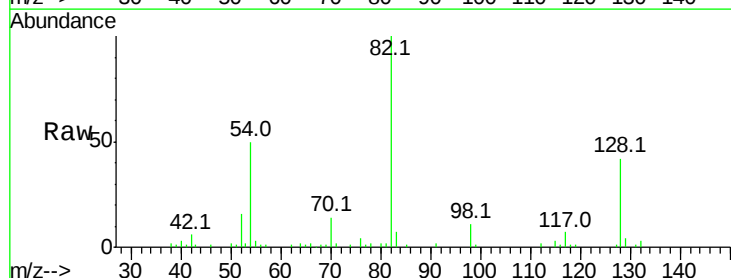


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

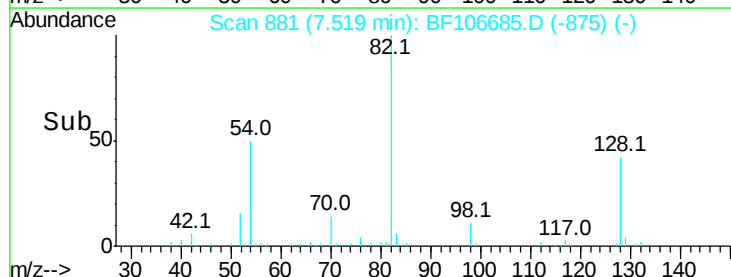
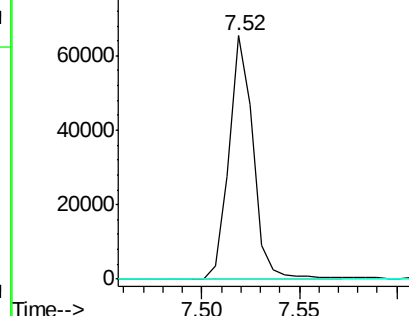


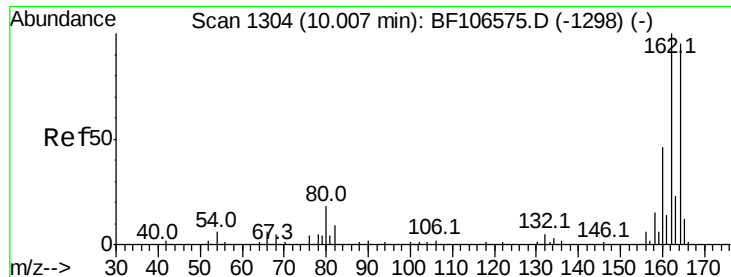
#25
Isophorone
Concen: 8.751 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.26 min
Lab File: BF106685.D
Acq: 22 Jun 2018 2:15

Tgt Ion: 82 Resp: 56049
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: BF106685.D

Acq: 22 Jun 2018 2:15

Instrument :

BNA_F

ClientSampled :

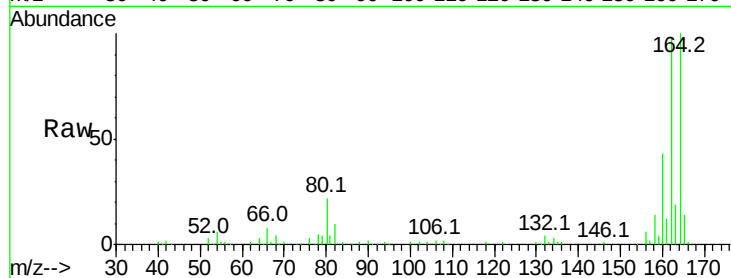
Tot Ion:164 Resp: 93017

Ion Ratio Lower Upper

164 100

162 97.7 86.1 129.1

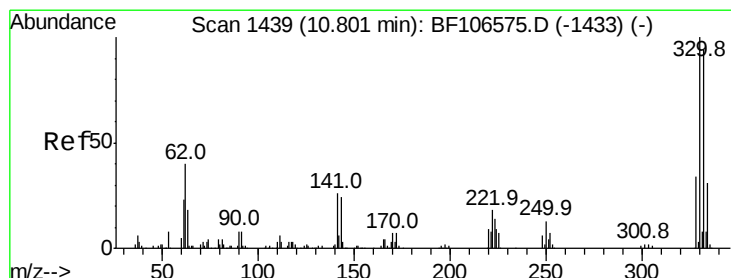
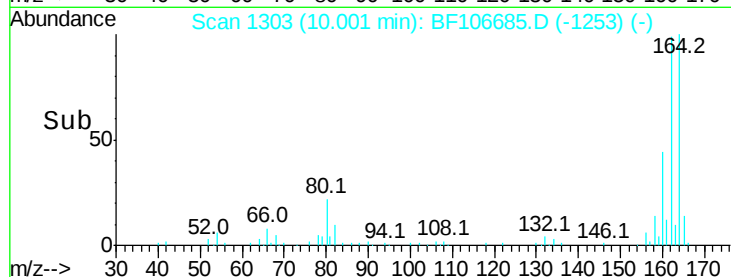
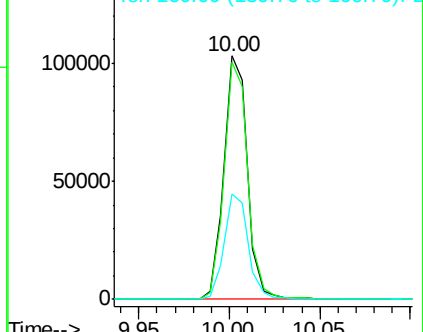
160 43.1 38.3 57.5



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: 18.263 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF106685.D

Acq: 22 Jun 2018 2:15

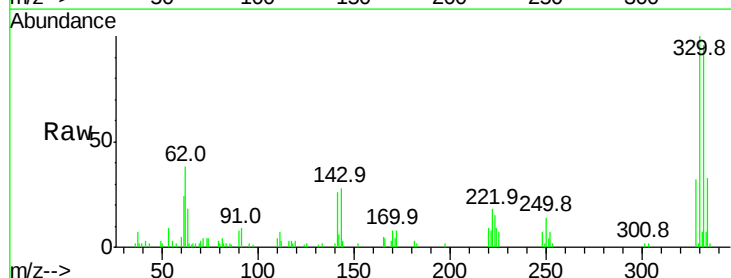
Tgt Ion:330 Resp: 19689

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

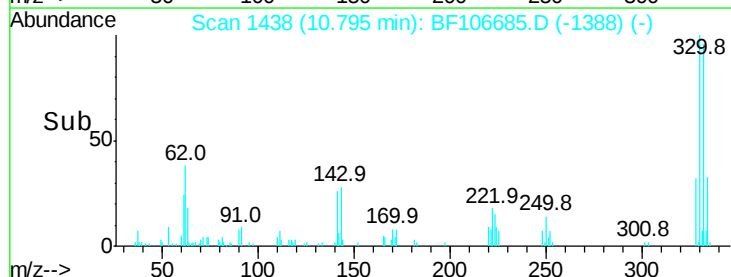
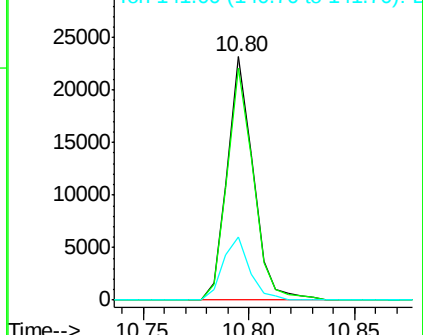
141 26.7 29.9 44.9#



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

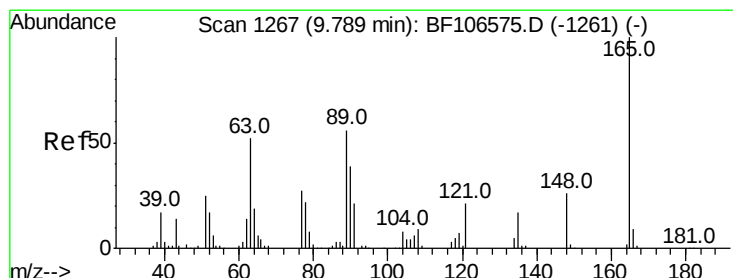
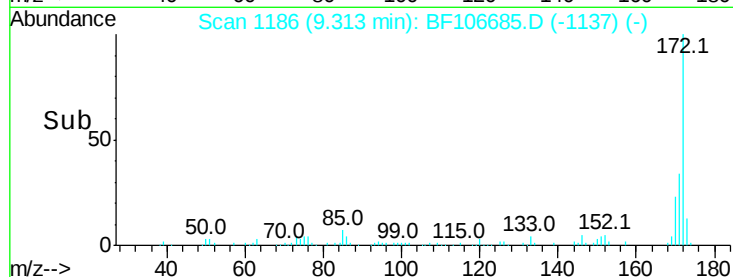
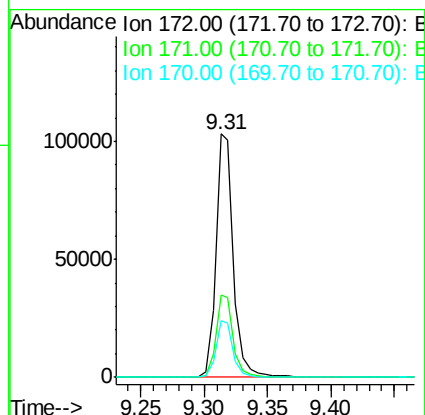
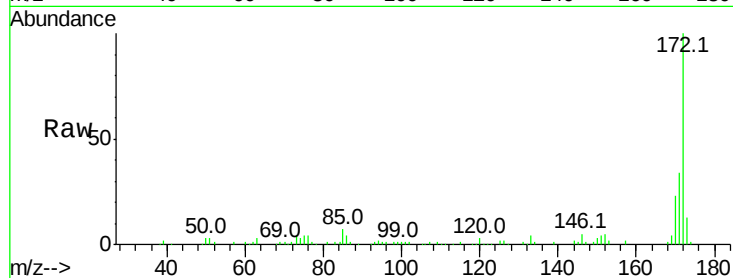




#44
 2-Fluorobiphenyl
 Concen: 4.170 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106685.D
 Acq: 22 Jun 2018 2:15

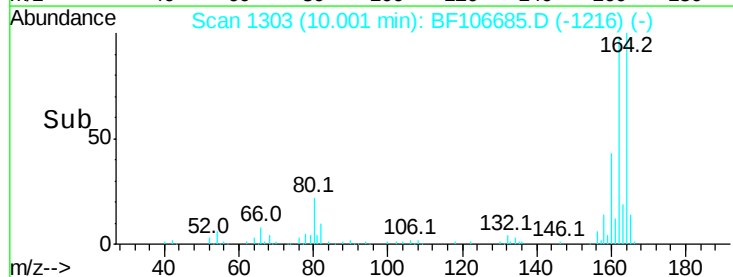
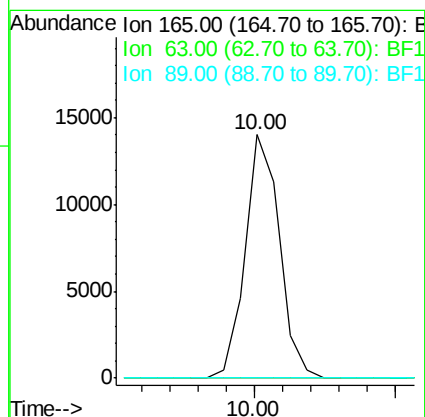
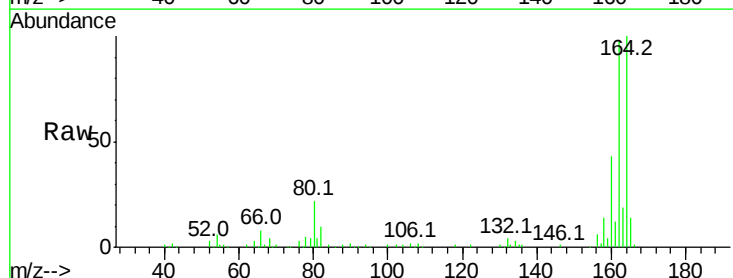
Instrument :
 BNA_F
 ClientSampleId :

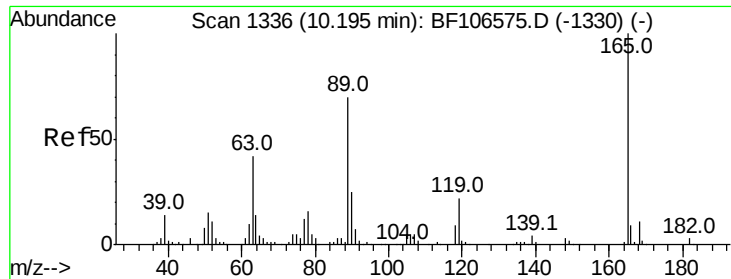
Tot Ion:172 Resp: 100005
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.7 44.5
 170 23.3 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.956 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF106685.D
 Acq: 22 Jun 2018 2:15

Tgt Ion:165 Resp: 11753
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

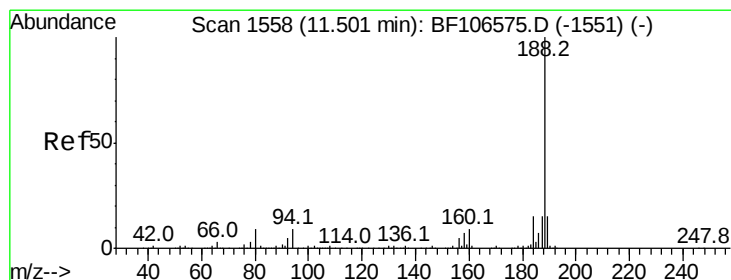
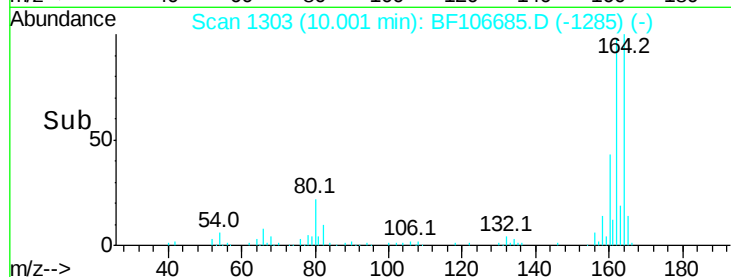
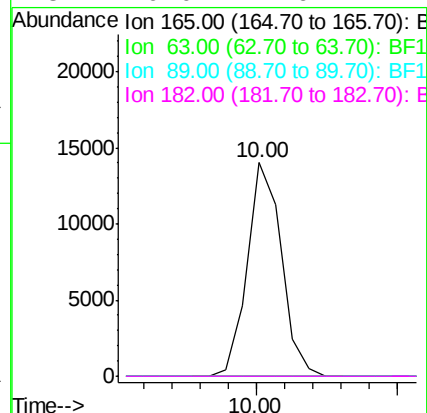
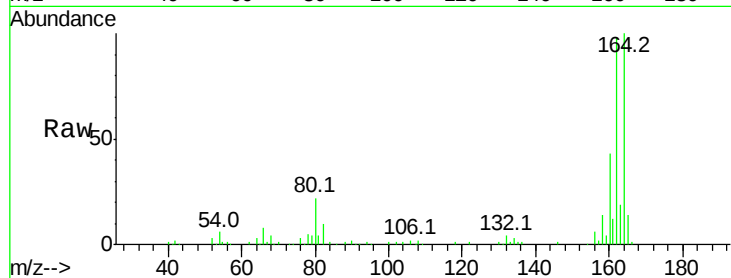




#56
 2,4-Dinitrotoluene
 Concen: 6.095 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106685.D
 Acq: 22 Jun 2018 2:15

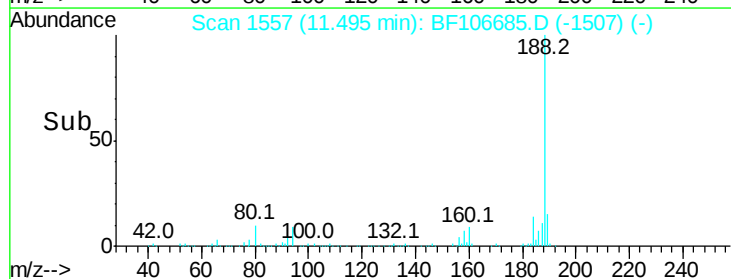
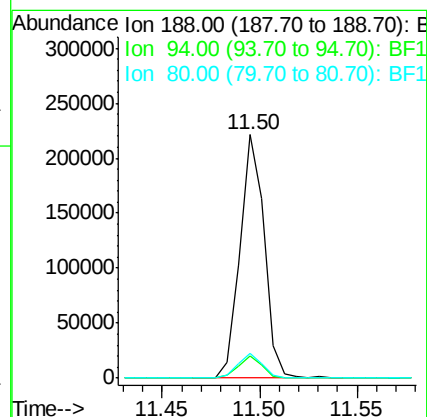
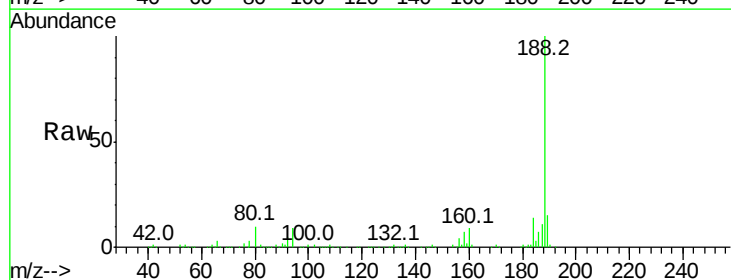
Instrument :
 BNA_F
 ClientSampleId :

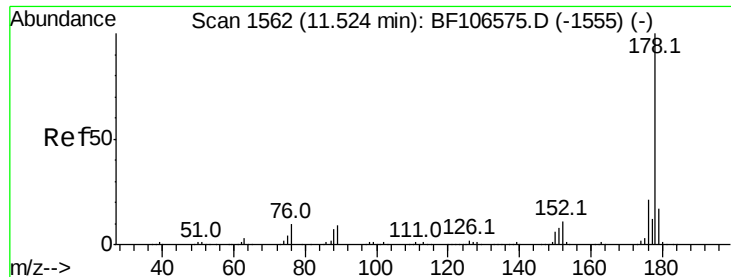
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106685.D
 Acq: 22 Jun 2018 2:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	10.4	9.2	13.8

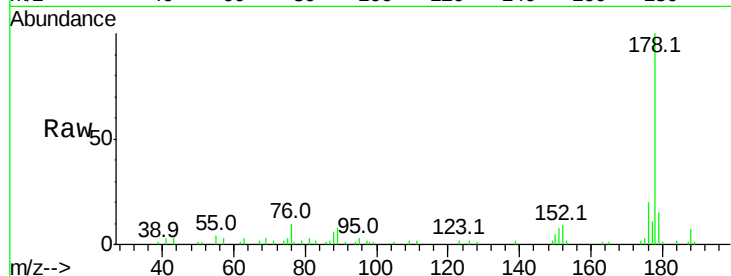




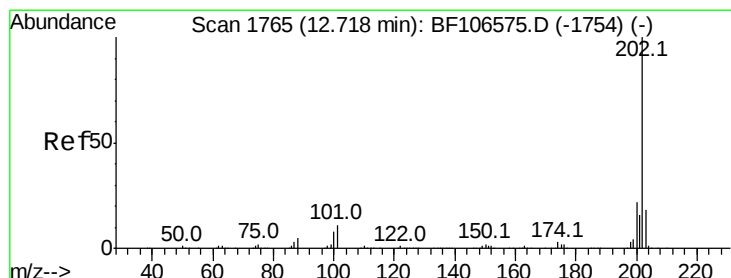
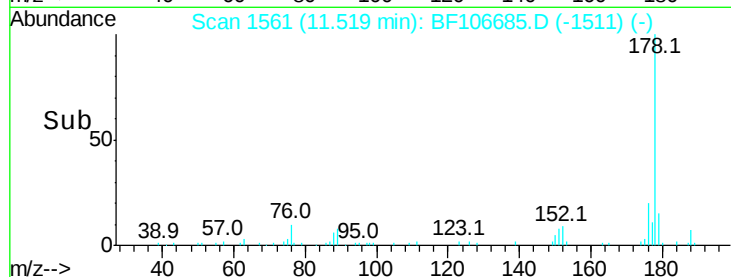
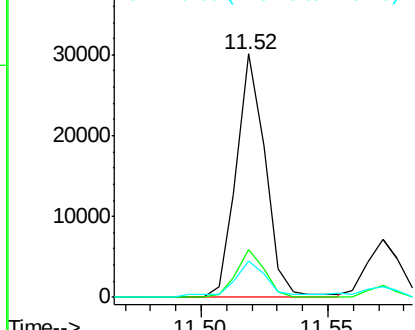
#70
Phenanthrene
Concen: 2.604 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106685.D
Acq: 22 Jun 2018 2:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 24046
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.1 13.0 19.6

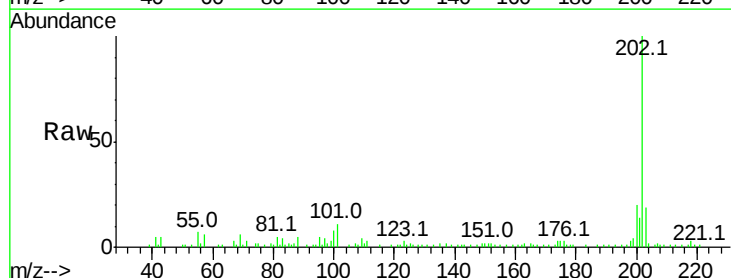


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

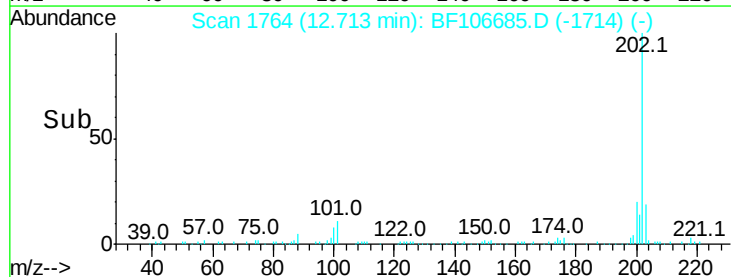
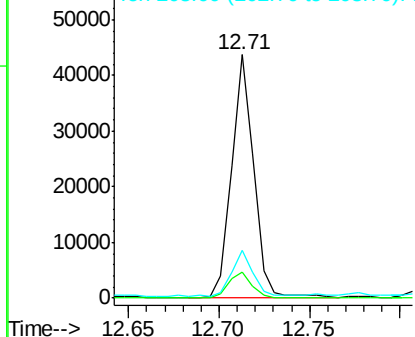


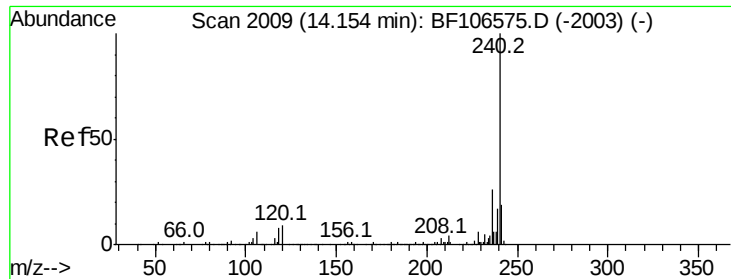
#74
Fluoranthene
Concen: 3.672 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106685.D
Acq: 22 Jun 2018 2:15

Tgt Ion:202 Resp: 37374
Ion Ratio Lower Upper
202 100
101 10.5 0.0 34.1
203 19.4 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: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106685.D

Acq: 22 Jun 2018 2:15

Instrument :

BNA_F

ClientSampleId :

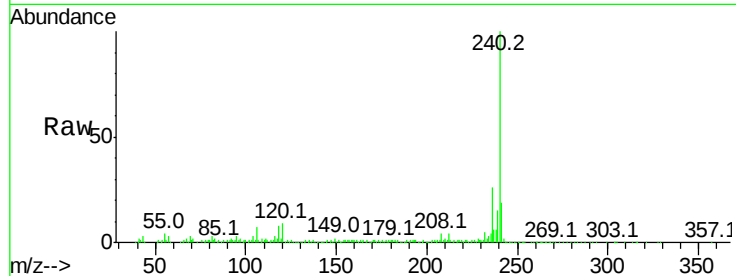
Tot Ion:240 Resp: 157467

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

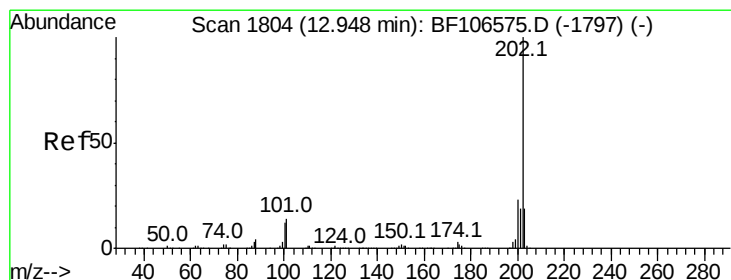
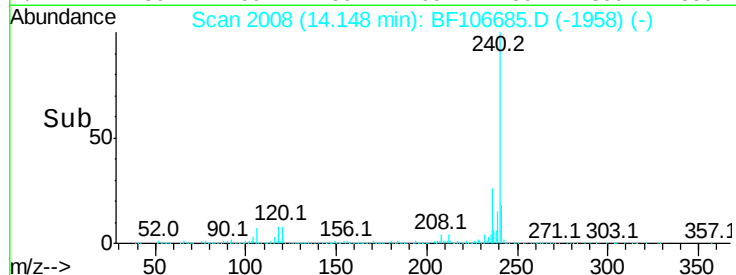
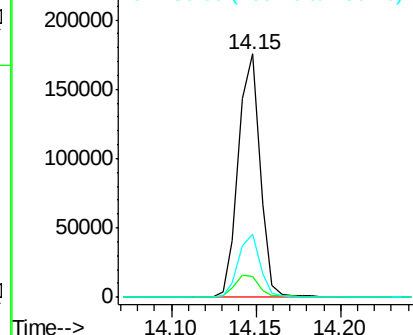
236 25.9 20.7 31.1



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: 3.336 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106685.D

Acq: 22 Jun 2018 2:15

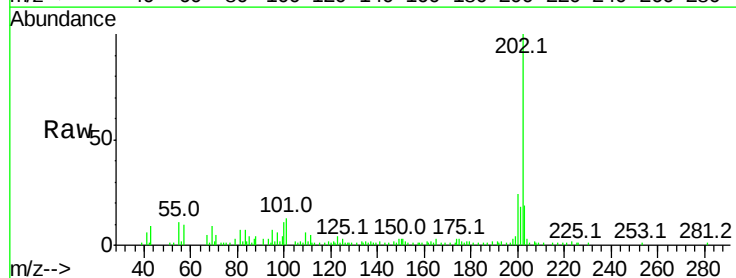
Tgt Ion:202 Resp: 34636

Ion Ratio Lower Upper

202 100

200 23.6 17.4 26.2

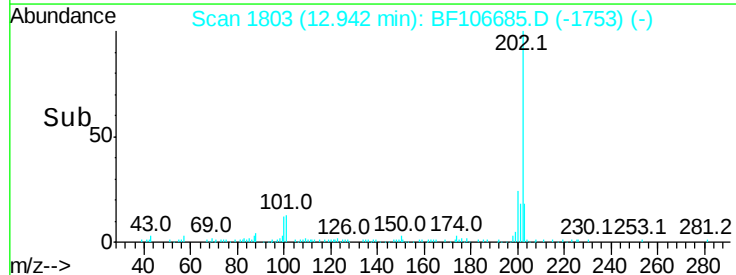
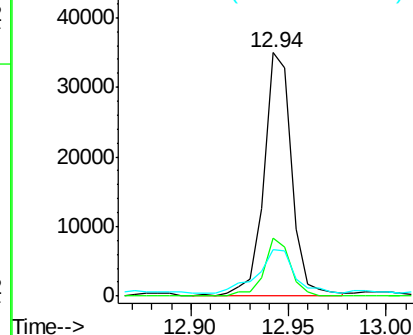
203 19.0 14.3 21.5

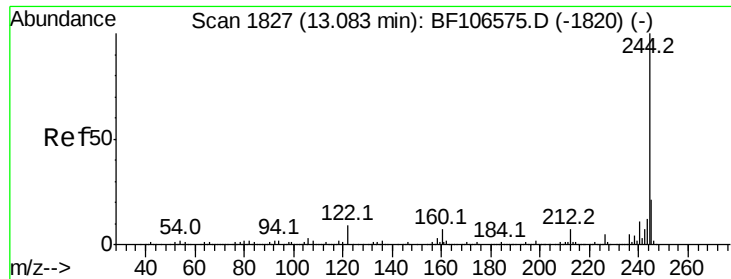


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.639 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106685.D

Acq: 22 Jun 2018 2:15

Instrument :

BNA_F

ClientSampleId :

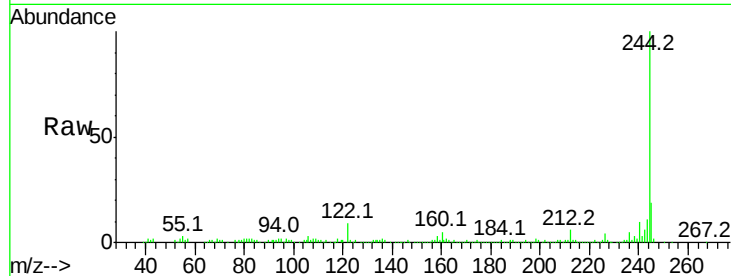
Tot Ion:244 Resp: 127669

Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.0

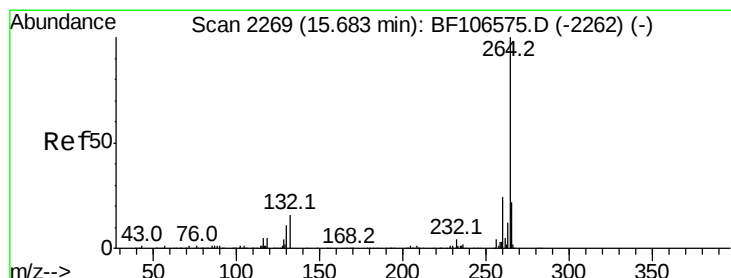
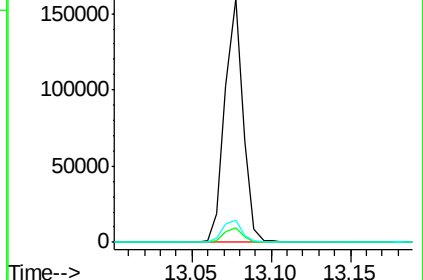
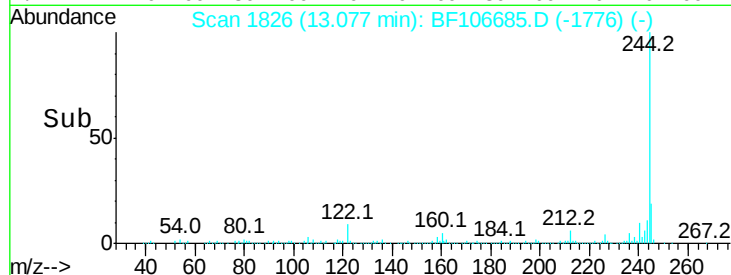
122 9.1 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF106685.D

Acq: 22 Jun 2018 2:15

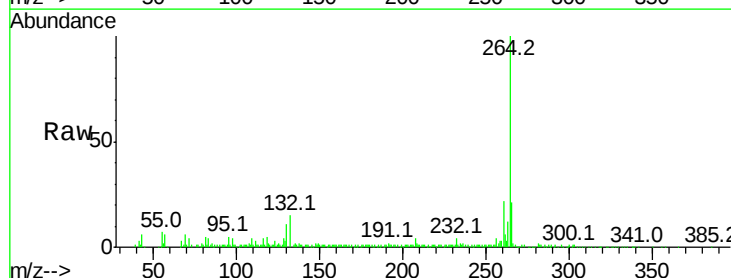
Tgt Ion:264 Resp: 116932

Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

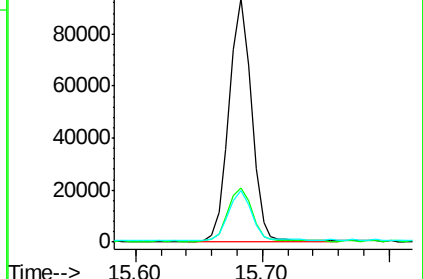
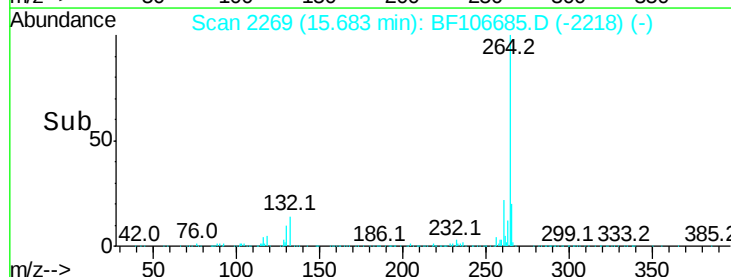
265 21.1 17.5 26.3

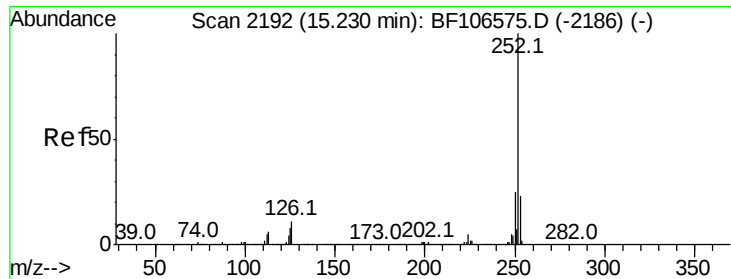


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

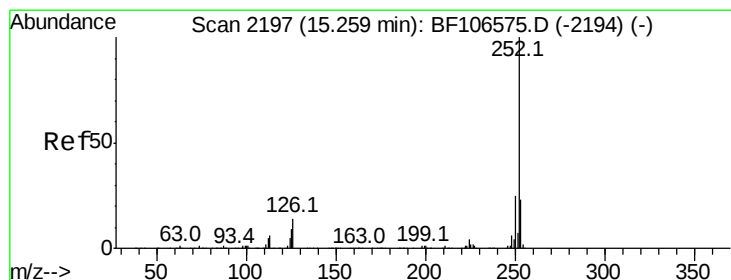
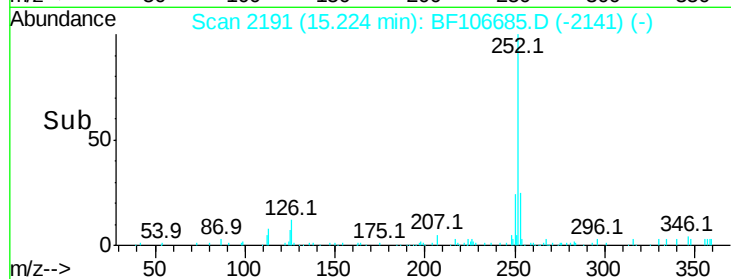
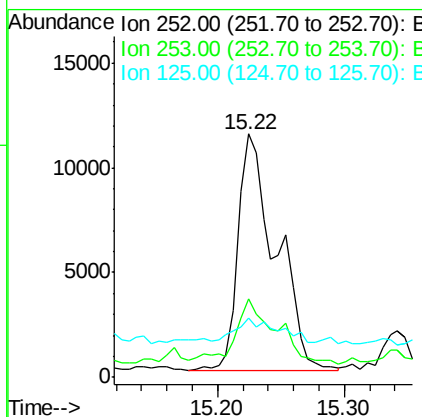
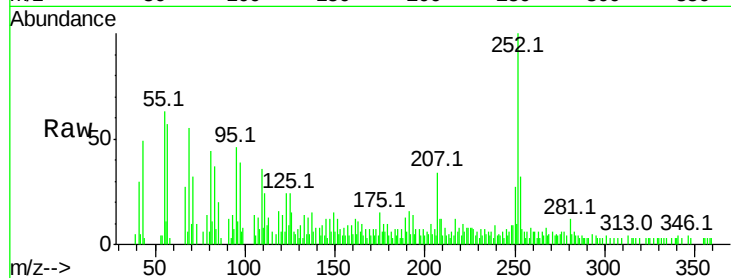




#87
Benzo(b)fluoranthene
Concen: 3.172 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF106685.D
Acq: 22 Jun 2018 2:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.0	25.6#
125	24.3	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.331 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF106685.D
Acq: 22 Jun 2018 2:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.9	26.9#
125	24.3	10.2	15.2#

