

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106679.D
 Acq On : 21 Jun 2018 23:36
 Operator : JU/SJ
 Sample : J3245-09 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 03:24:58 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

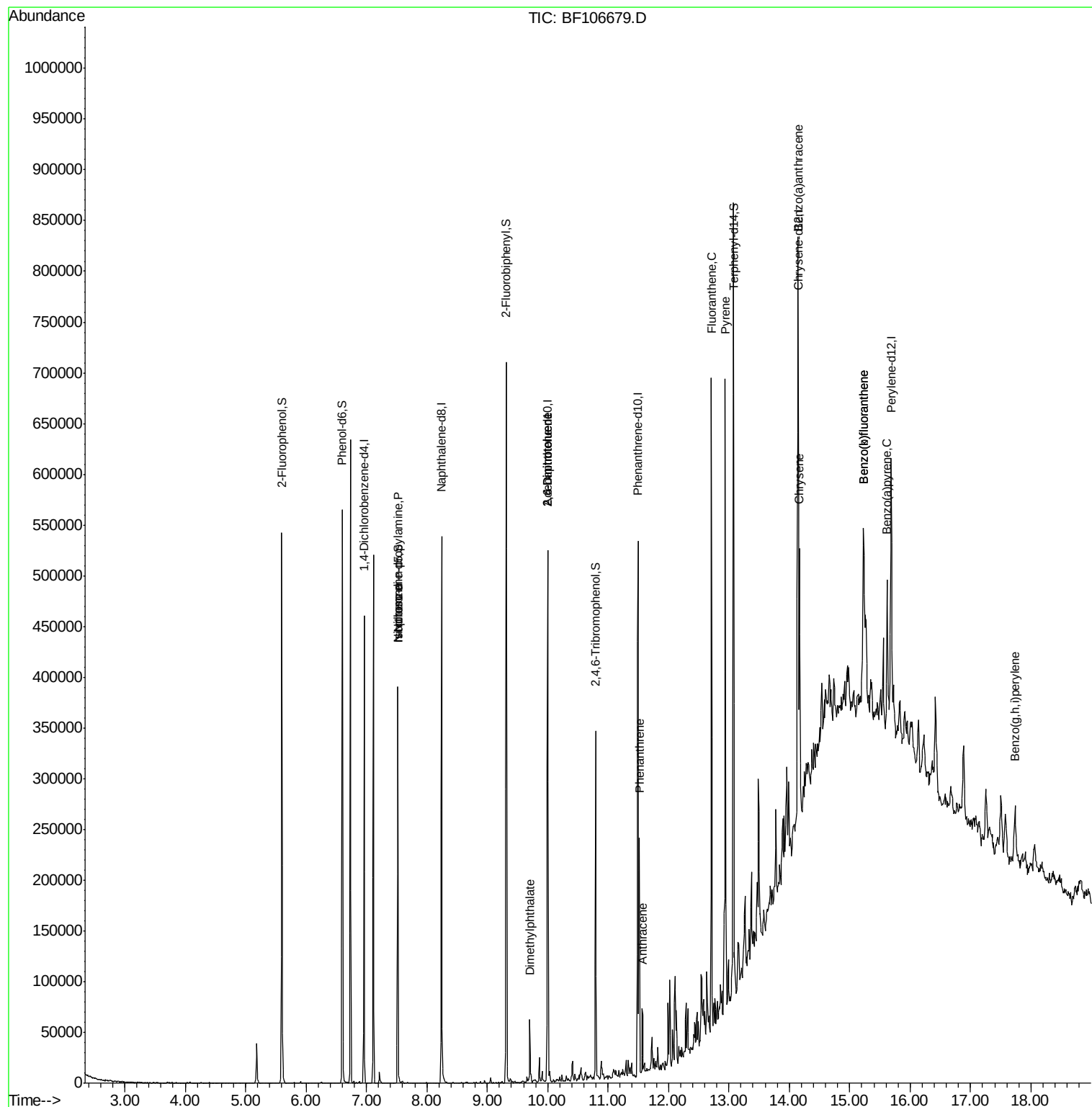
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	61307	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	228304	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	100327	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	196403	20.00	ng	0.00
75) Chrysene-d12	14.15	240	184527	20.00	ng	0.00
86) Perylene-d12	15.69	264	125634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	155521	42.96	ng	0.00
7) Phenol-d6	6.60	99	191399	42.33	ng	0.00
23) Nitrobenzene-d5	7.52	82	114668	27.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	47437	40.79	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	218355	26.73	ng	-0.01
78) Terphenyl-d14	13.08	244	262481	34.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	14350	4.815	ng	# 74
25) Isophorone	7.52	82	114667	15.840	ng	# 64
49) Dimethylphthalate	9.71	163	23261	3.091	ng	# 96
50) 2,6-Dinitrotoluene	10.00	165	12812	8.041	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	12812	6.160	ng	# 21
70) Phenanthrene	11.52	178	82895	8.751	ng	97
71) Anthracene	11.57	178	25393	2.626	ng	98
74) Fluoranthene	12.71	202	254516	24.376	ng	95
77) Pyrene	12.94	202	250400	20.578	ng	99
80) Benzo(a)anthracene	14.14	228	128162	11.396	ng	98
82) Chrysene	14.17	228	105983	10.243	ng	96
87) Benzo(b)fluoranthene	15.23	252	133275	17.077	ng	# 89
88) Benzo(k)fluoranthene	15.23	252	133275	17.933	ng	# 91
89) Benzo(a)pyrene	15.62	252	69840	10.067	ng	97
91) Benzo(a,h,i)perylene	17.74	276	46814	8.146	ng	# 88

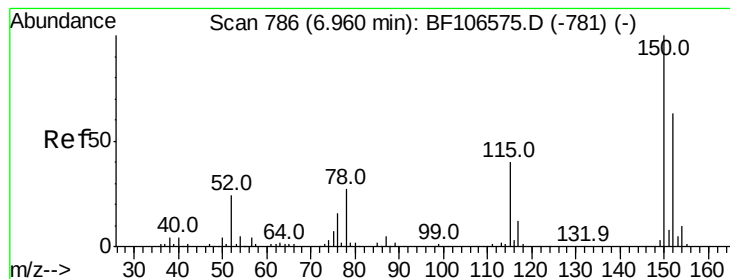
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106679.D
Acq On : 21 Jun 2018 23:36
Operator : JU/SJ
Sample : J3245-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 22 03:24:58 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



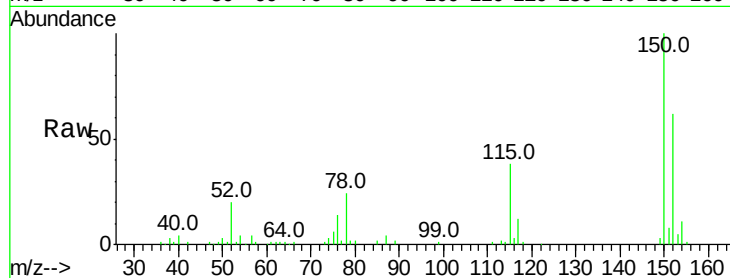


#1

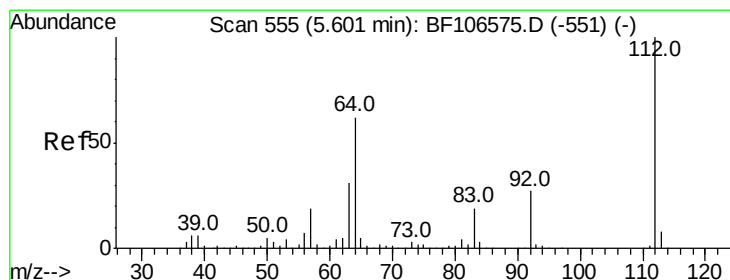
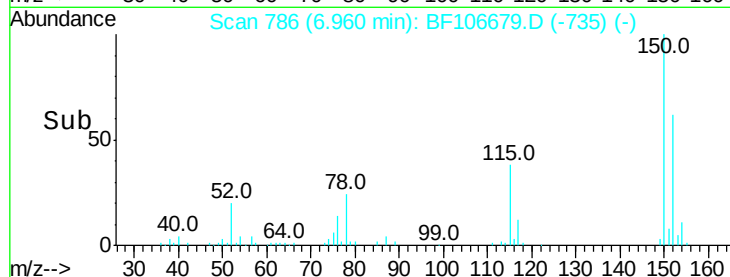
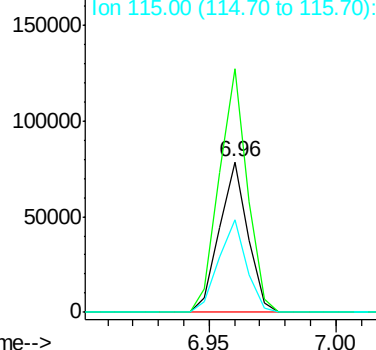
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 61307
Ion Ratio Lower Upper
152 100
150 161.6 124.6 186.8
115 61.4 50.1 75.1



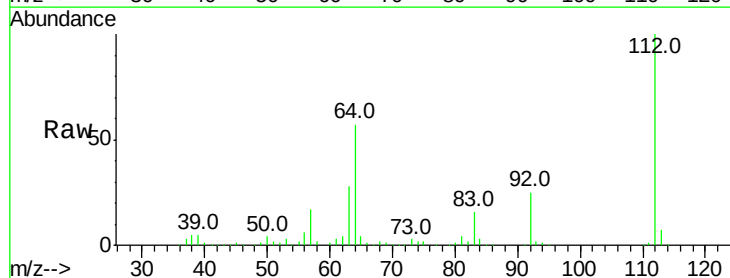
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



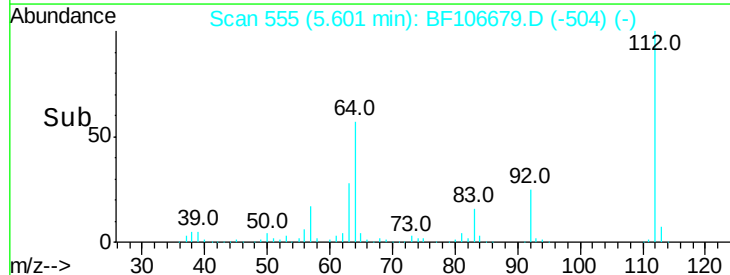
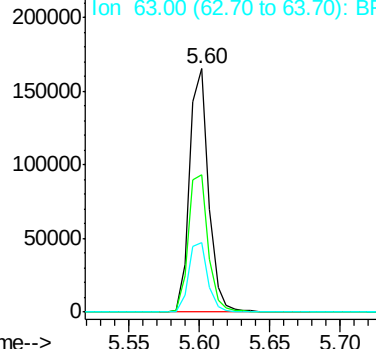
#5

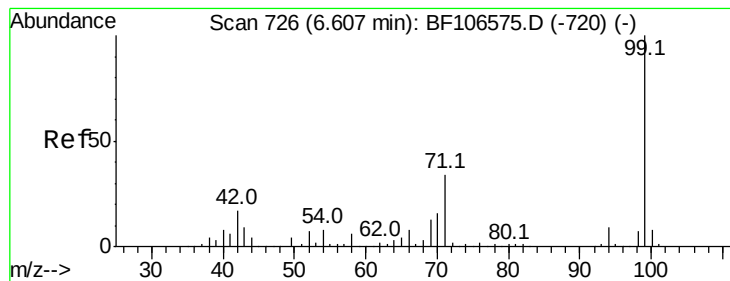
2-Fluorophenol
Concen: 42.955 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion:112 Resp: 155521
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 28.4 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: 42.332 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

ClientSampled :

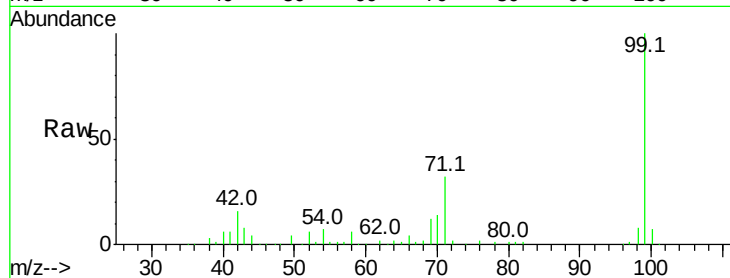
Tot Ion: 99 Resp: 191399

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

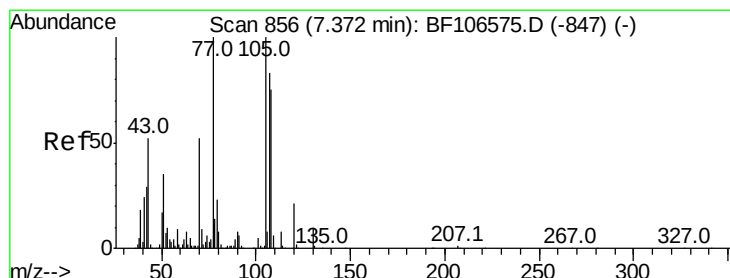
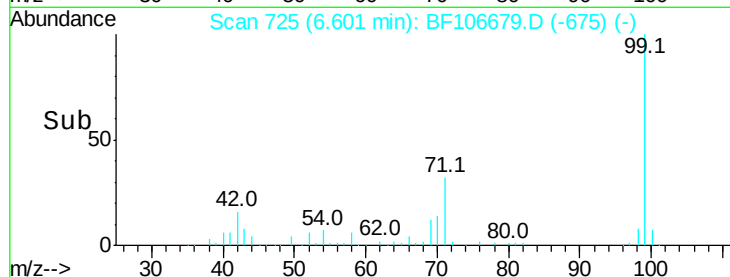
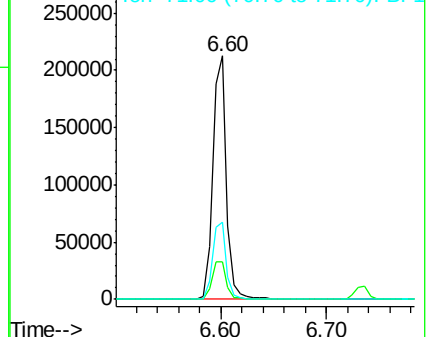
71 31.8 25.4 38.0



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: 4.815 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Tgt Ion: 70 Resp: 14350

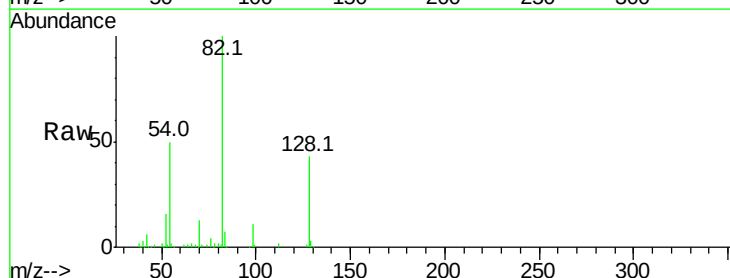
Ion Ratio Lower Upper

70 100

42 44.1 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

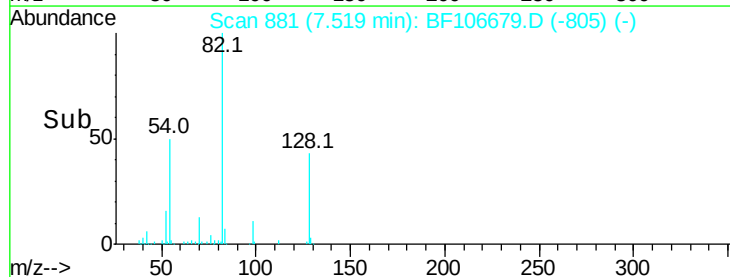
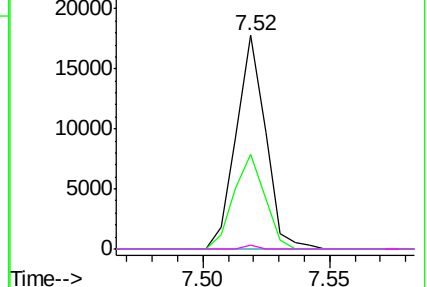


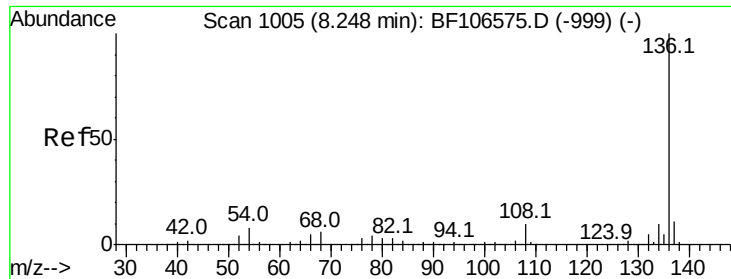
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

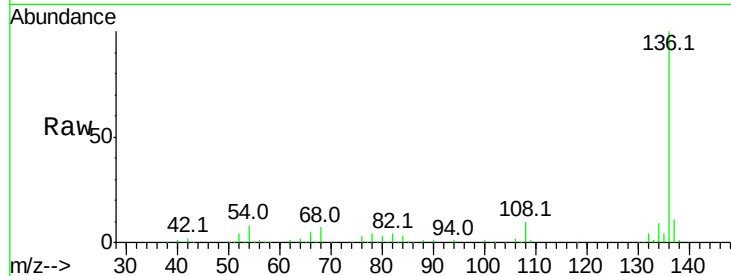




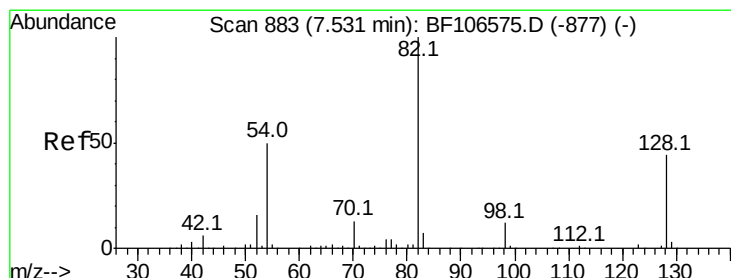
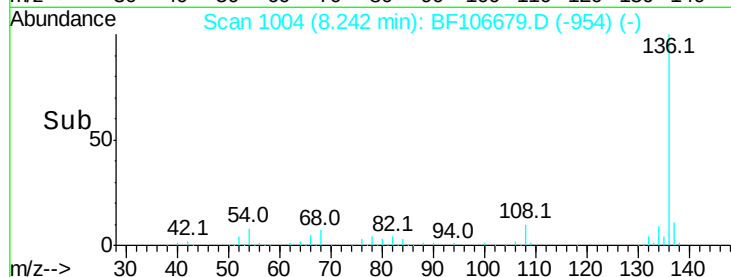
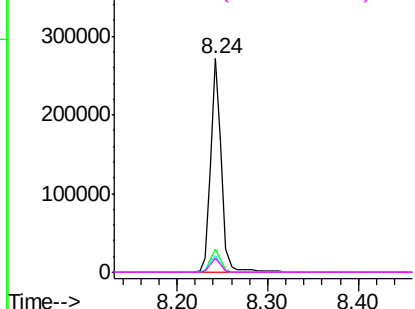
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	228304
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.0	6.6	9.8
68	6.5	5.0	7.4

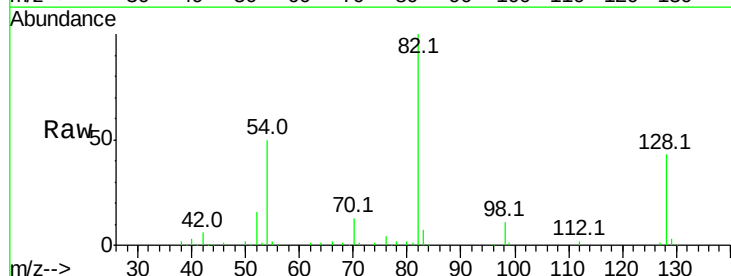


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

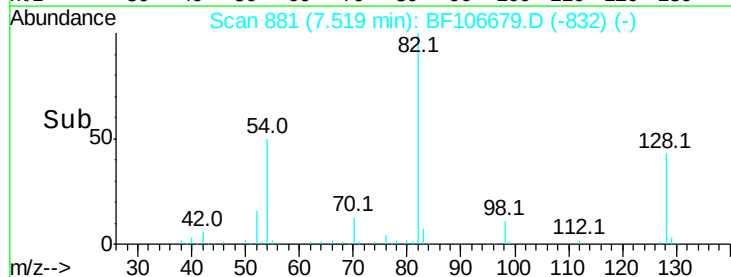
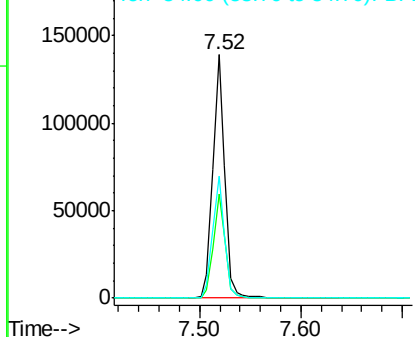


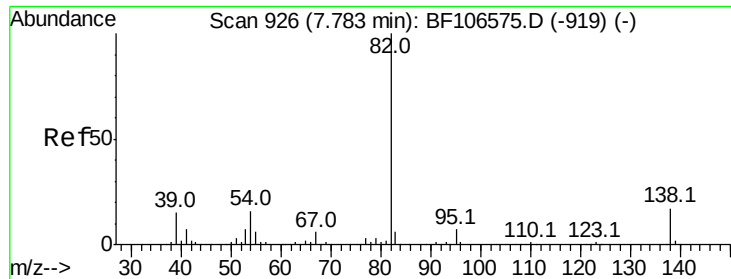
#23
Nitrobenzene-d5
Concen: 27.912 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion:	82	Resp:	114668
Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	50.3	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: 15.840 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

ClientSampleId :

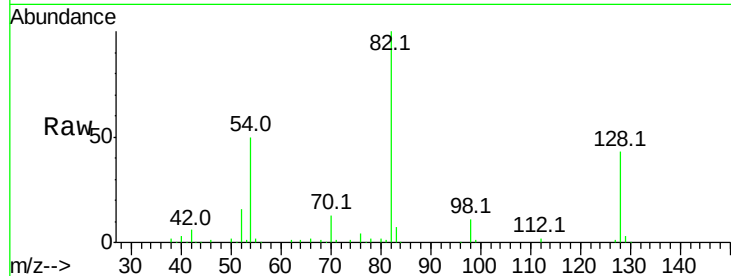
Tot Ion: 82 Resp: 114667

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

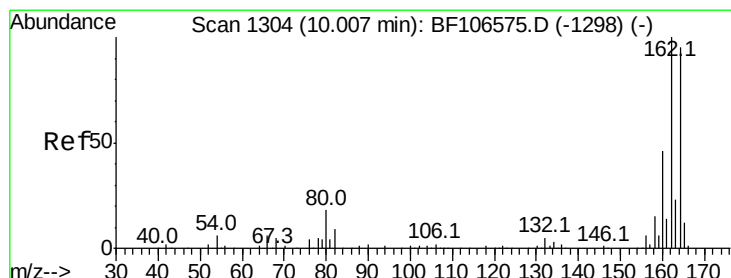
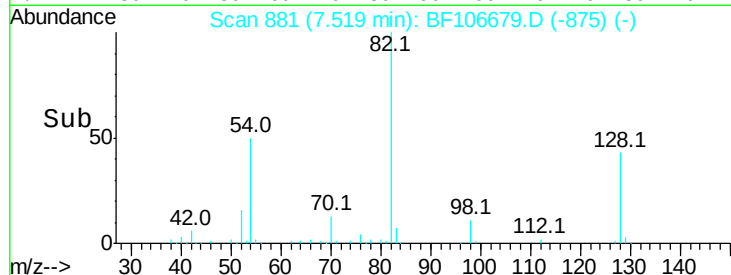
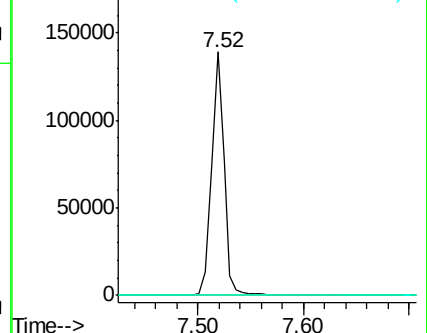
138 0.0 14.9 22.3#



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: BF106679.D

Acq: 21 Jun 2018 23:36

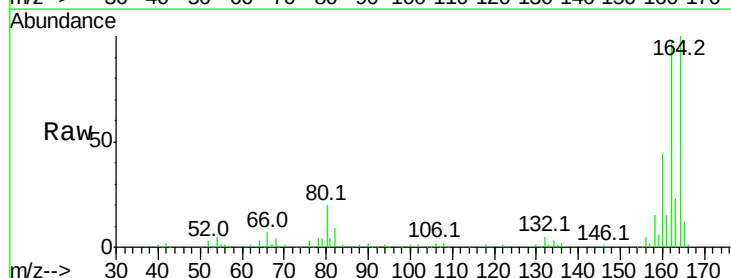
Tgt Ion:164 Resp: 100327

Ion Ratio Lower Upper

164 100

162 97.4 86.1 129.1

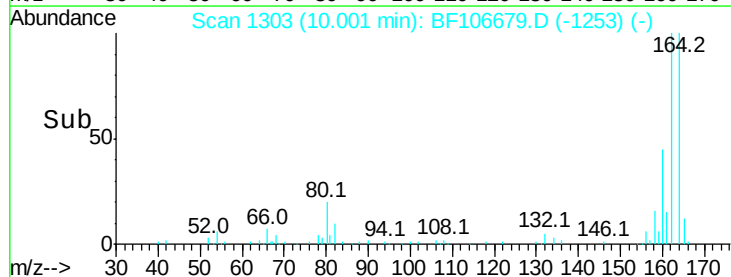
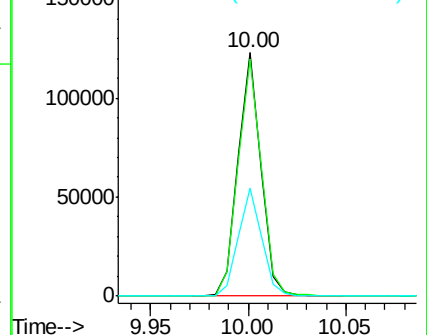
160 44.2 38.3 57.5

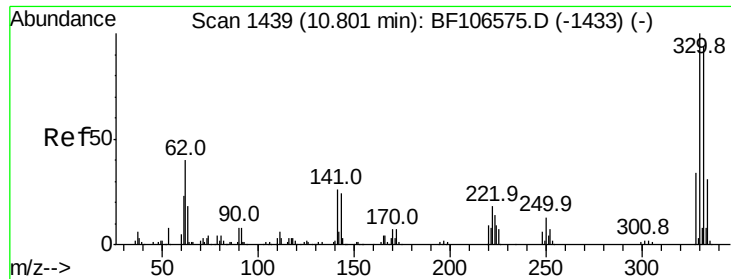


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

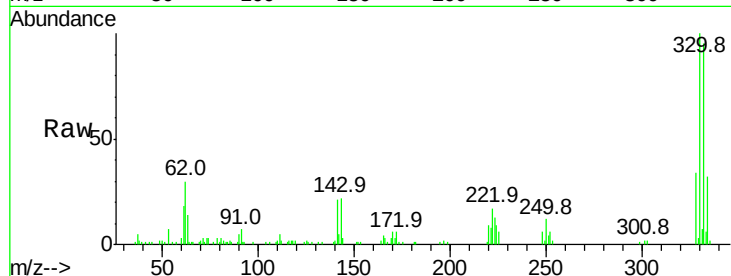




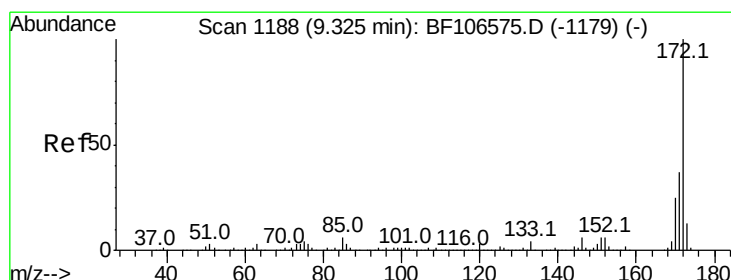
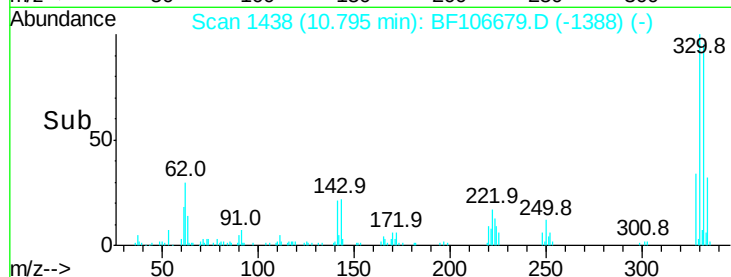
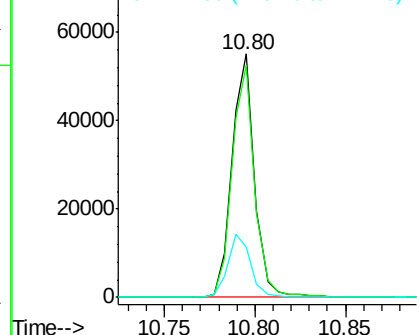
#41
 2,4,6-Tribromophenol
 Concen: 40.795 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106679.D
 Acq: 21 Jun 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	26.0	29.9	44.9#

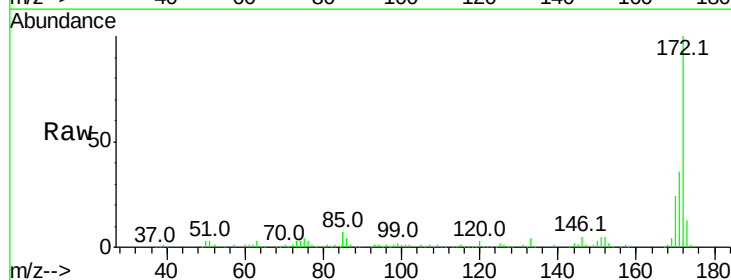


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

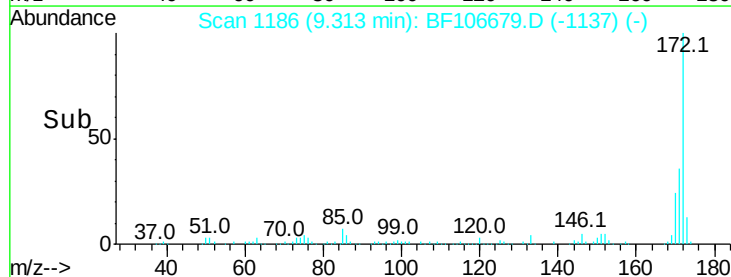
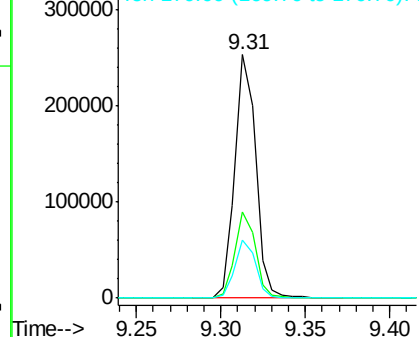


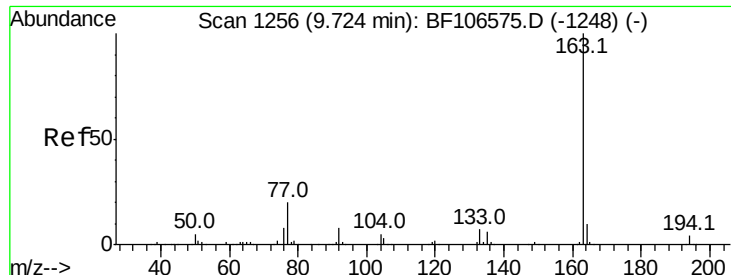
#44
 2-Fluorobiphenyl
 Concen: 26.726 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106679.D
 Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.6	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

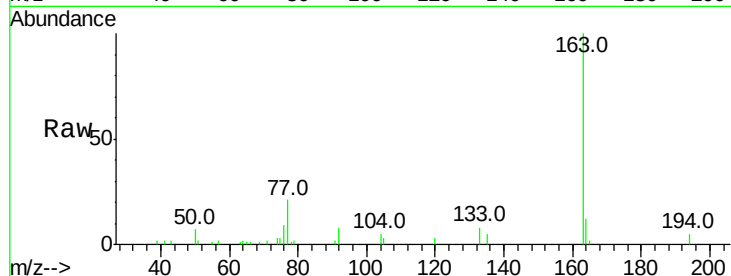




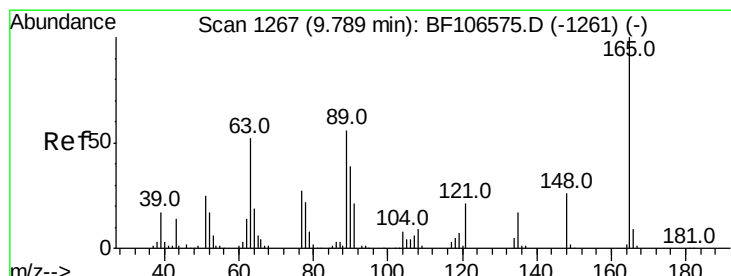
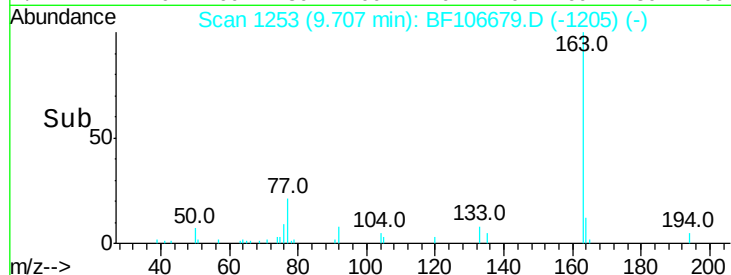
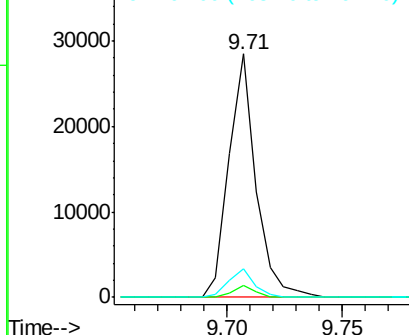
#49
Dimethylphthalate
Concen: 3.091 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 23261
Ion Ratio Lower Upper
163 100
194 4.8 2.7 4.1#
164 11.6 8.2 12.2

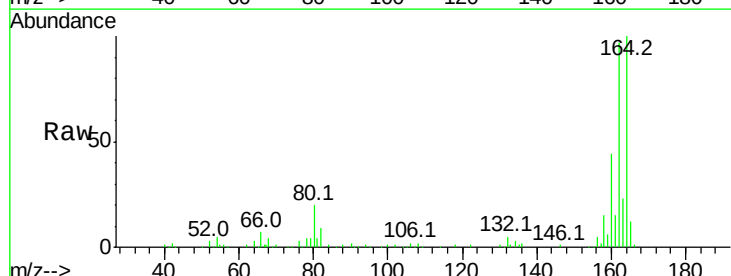


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

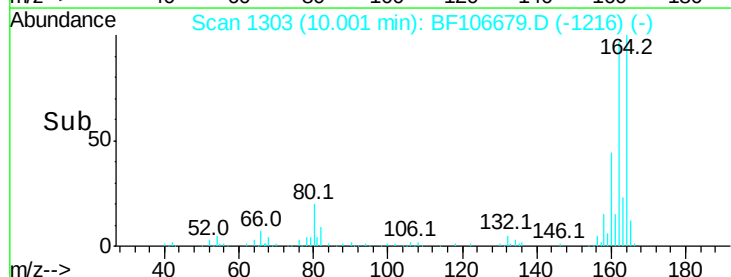
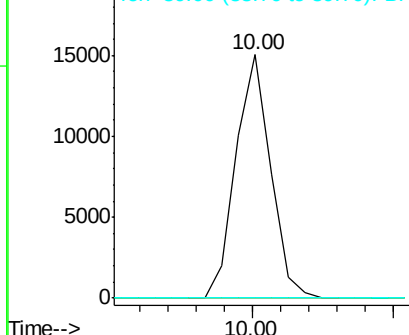


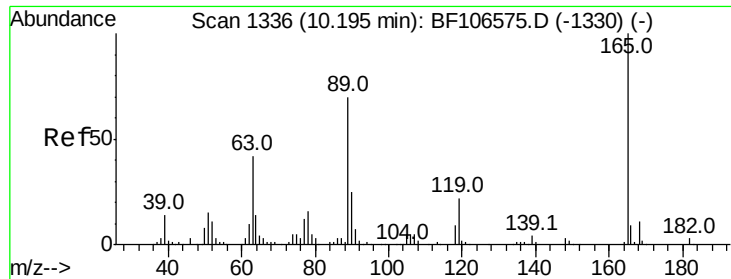
#50
2,6-Dinitrotoluene
Concen: 8.041 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion:165 Resp: 12812
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

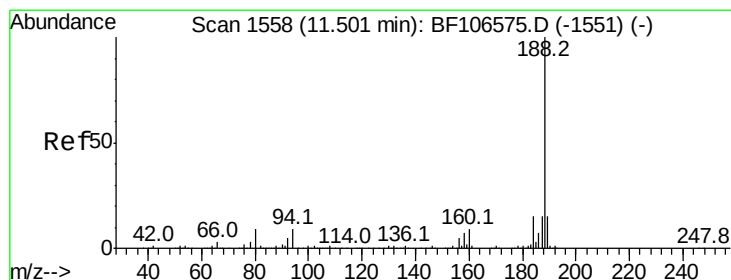
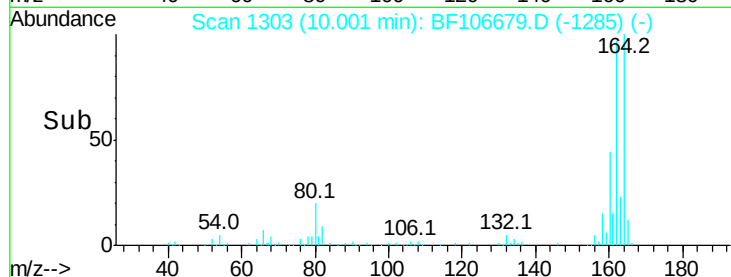
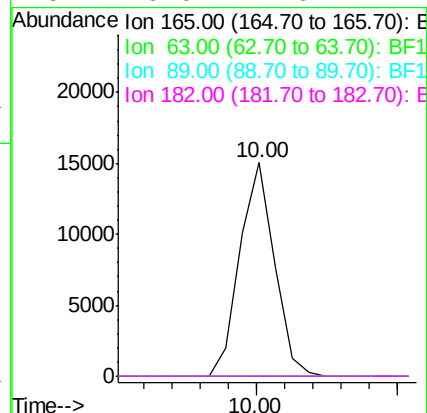
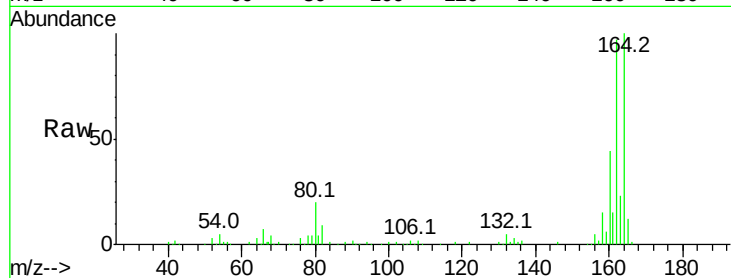




#56
 2,4-Dinitrotoluene
 Concen: 6.160 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106679.D
 Acq: 21 Jun 2018 23:36

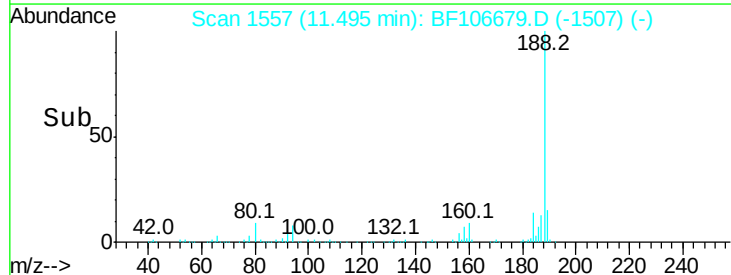
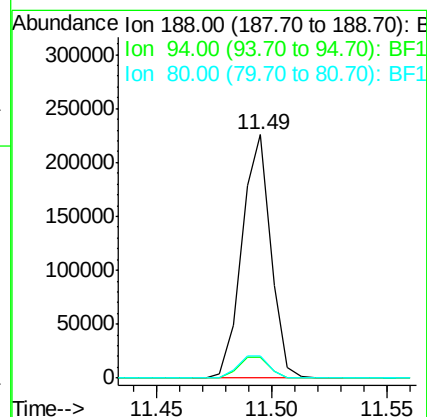
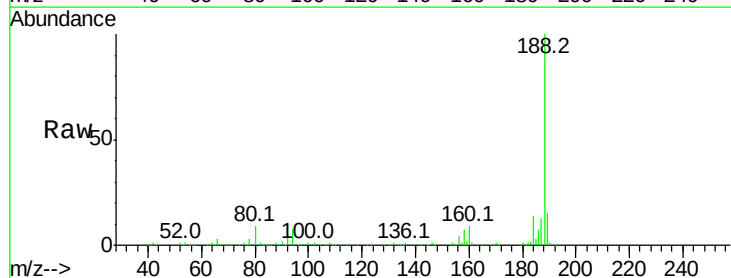
Instrument :
 BNA_F
 ClientSampleId :

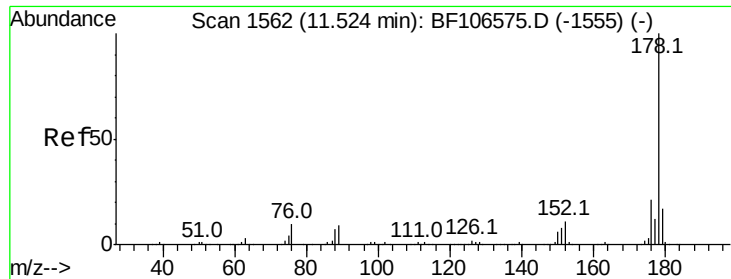
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106679.D
 Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7#
80	9.0	9.2	13.8#





#70

Phenanthrene

Concen: 8.751 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

ClientSampleId :

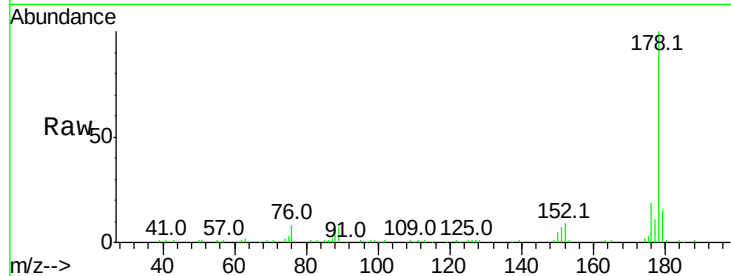
Tot Ion:178 Resp: 82895

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

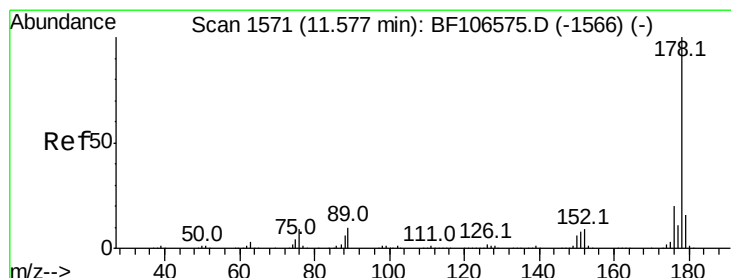
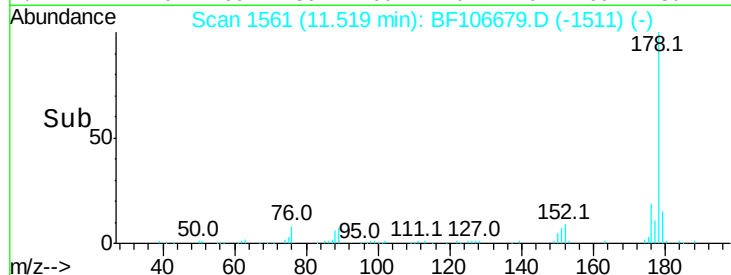
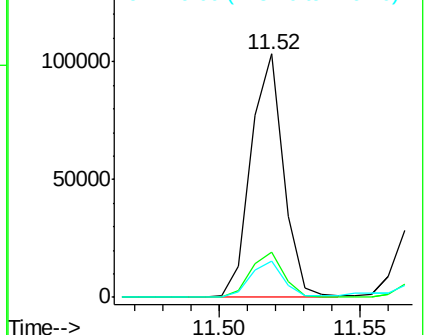
179 14.9 13.0 19.6



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: 2.626 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

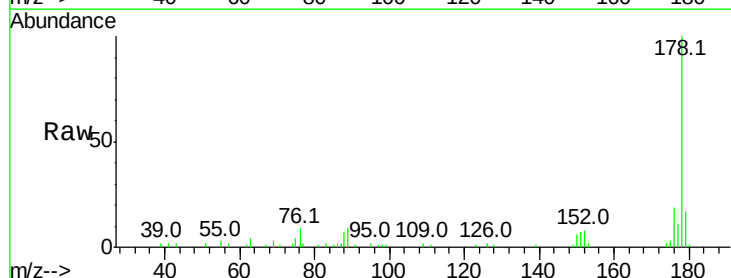
Tgt Ion:178 Resp: 25393

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

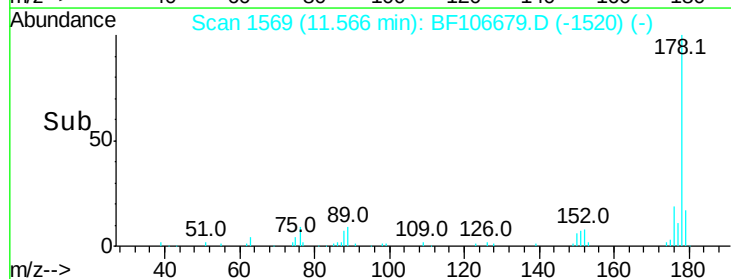
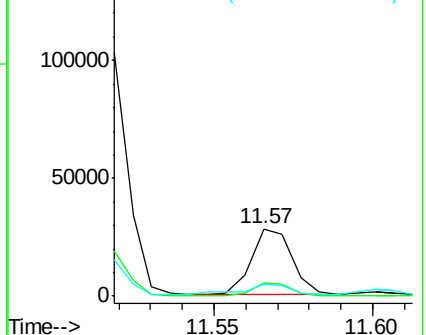
179 17.0 12.6 19.0

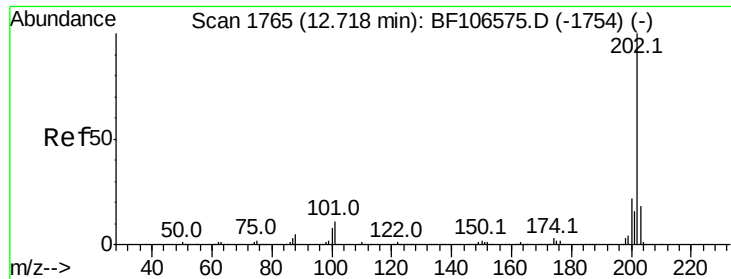


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 24.376 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

ClientSampleId :

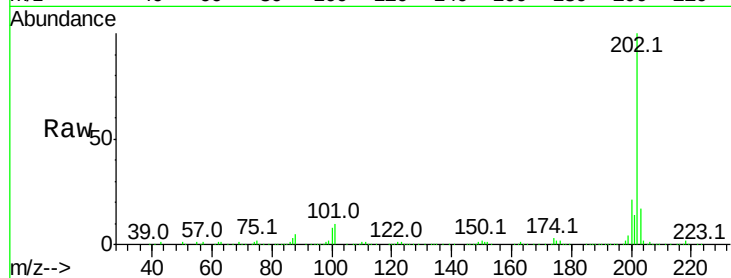
Tot Ion:202 Resp: 254516

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.1

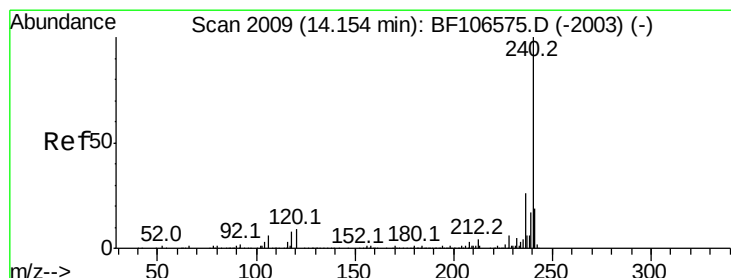
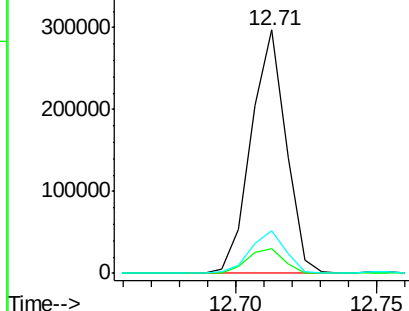
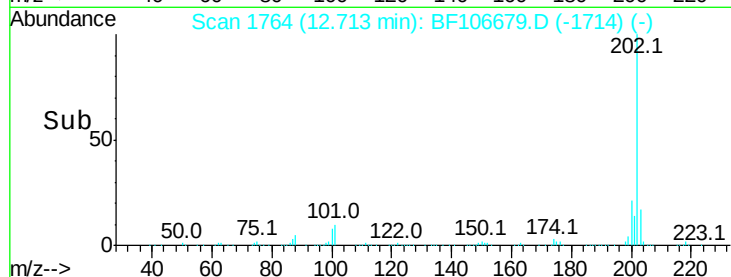
203 17.5 0.0 38.1



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: BF106679.D

Acq: 21 Jun 2018 23:36

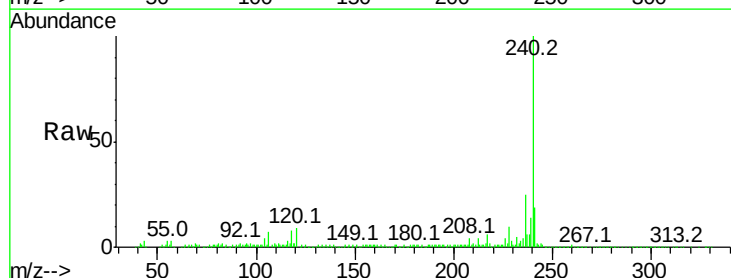
Tgt Ion:240 Resp: 184527

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

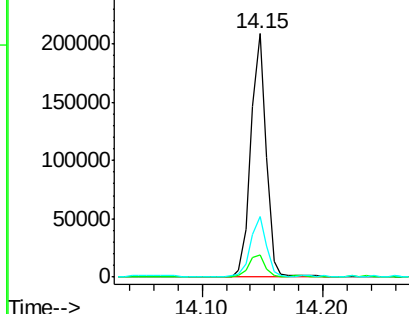
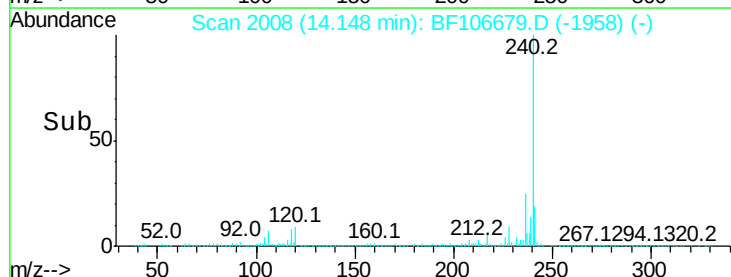
236 25.1 20.7 31.1

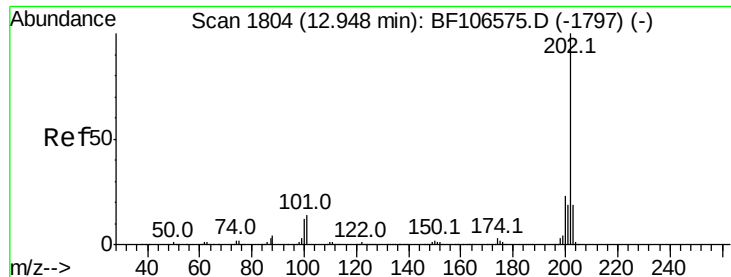


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 20.578 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

ClientSampleId :

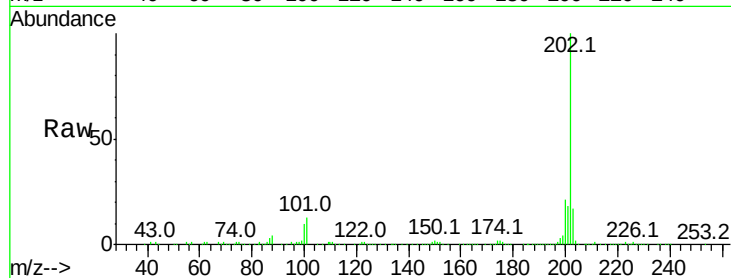
Tot Ion:202 Resp: 250400

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

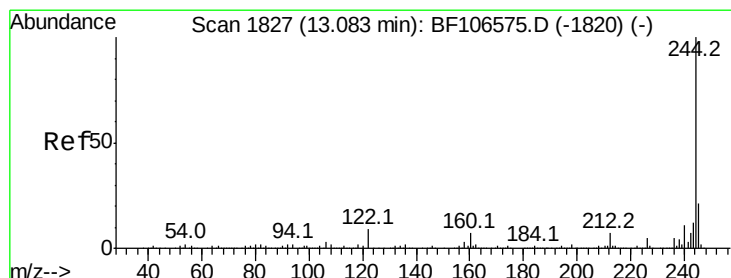
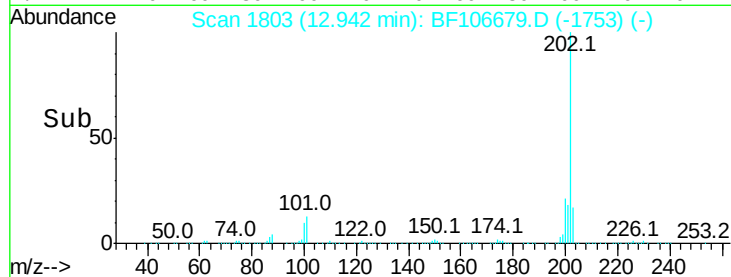
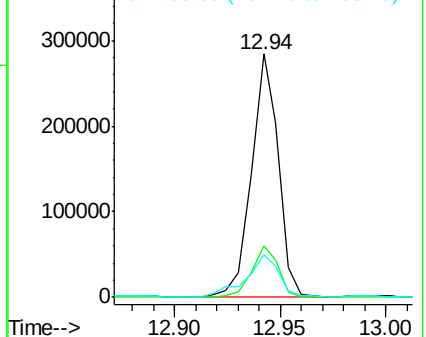
203 17.4 14.3 21.5



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: 34.456 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

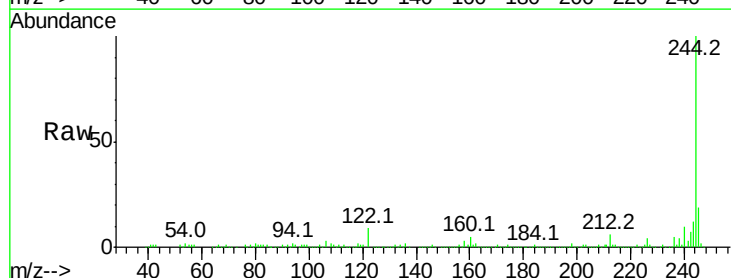
Tgt Ion:244 Resp: 262481

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

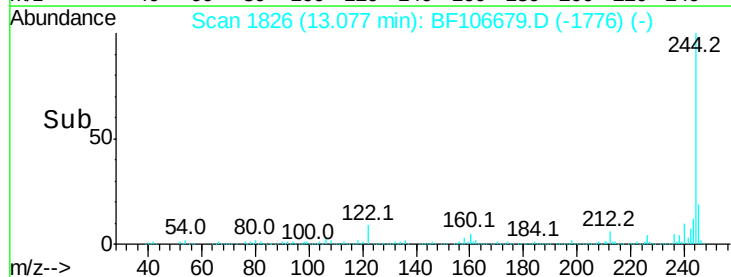
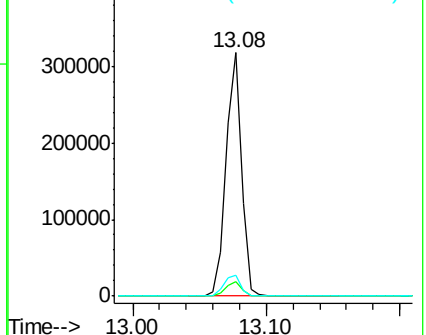
122 8.7 11.0 16.4#

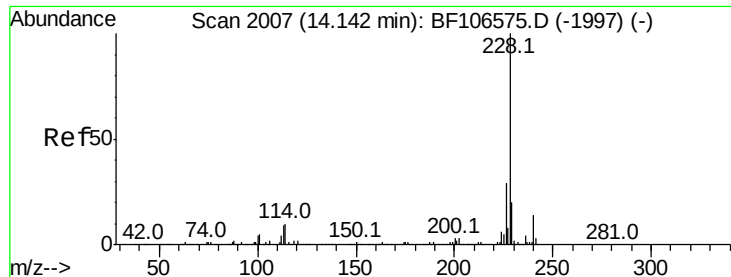


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

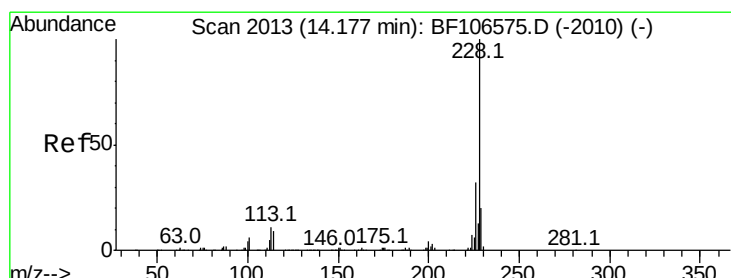
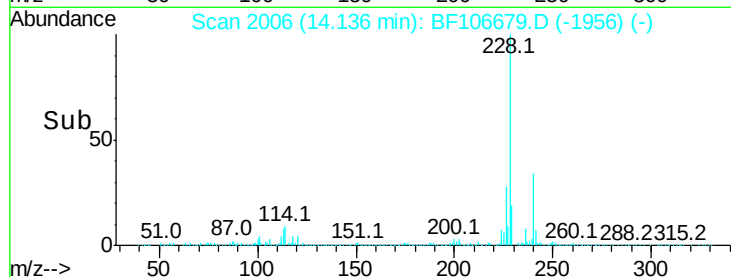
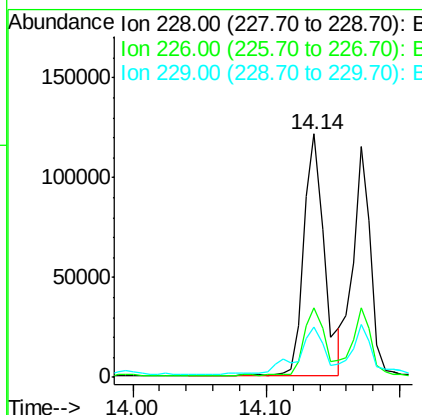
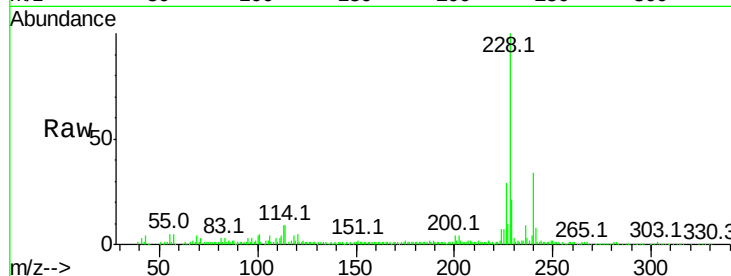




#80
Benzo(a)anthracene
Concen: 11.396 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

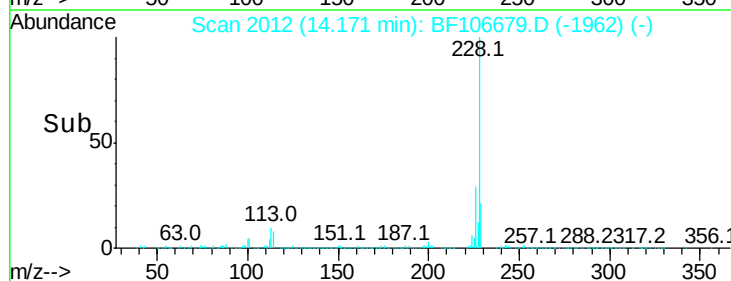
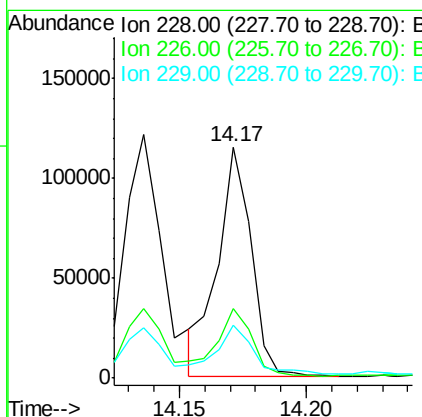
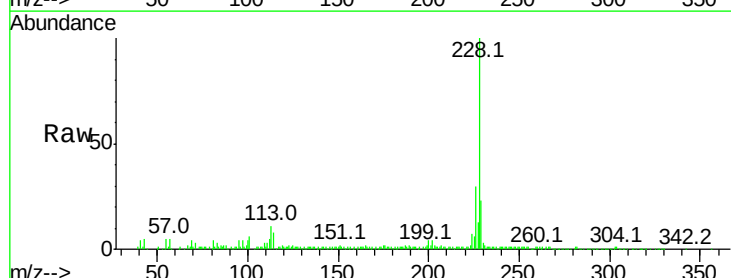
Instrument :
BNA_F
ClientSampleId :

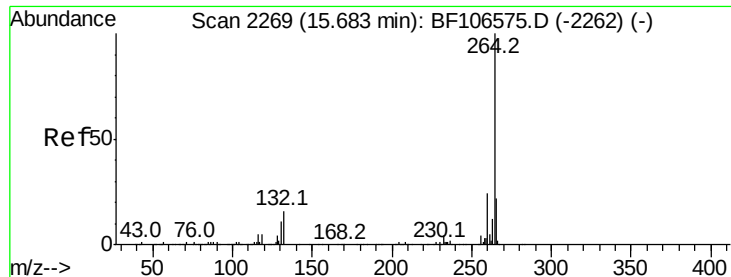
Tot Ion:228 Resp: 128162
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 20.8 15.8 23.6



#82
Chrysene
Concen: 10.243 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion:228 Resp: 105983
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 23.2 16.2 24.4

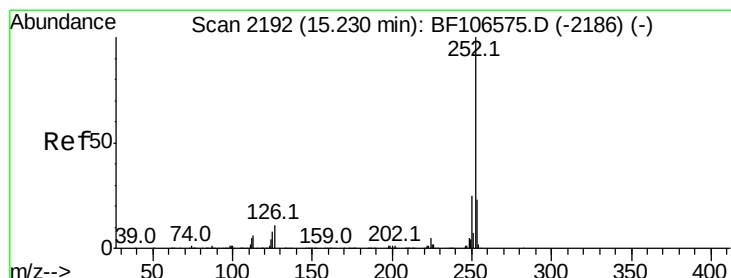
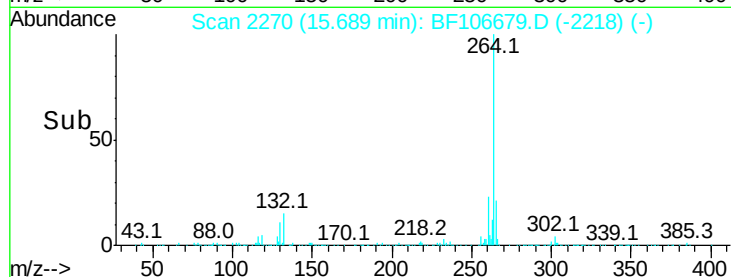
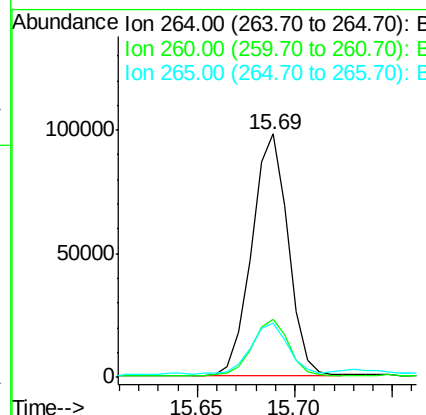
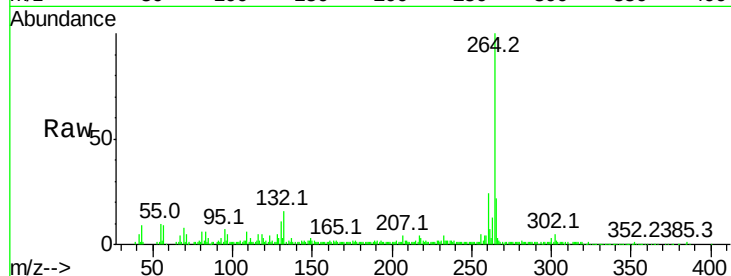




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

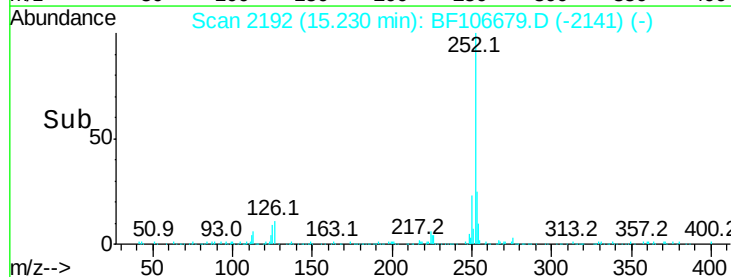
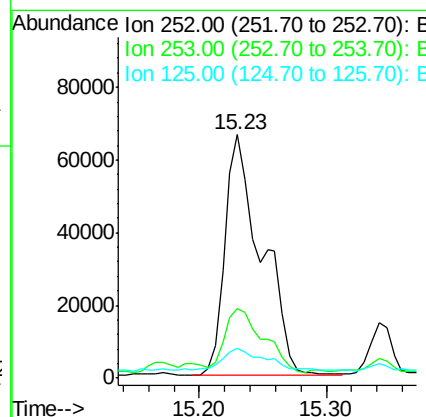
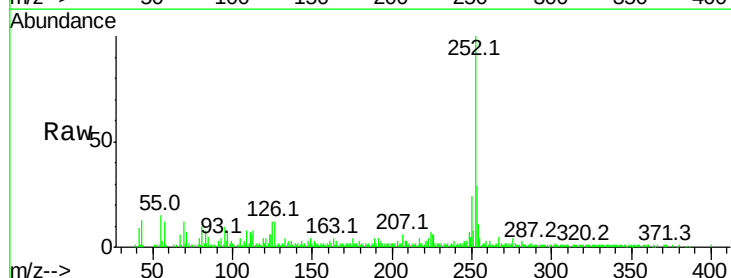
Instrument :
BNA_F
ClientSampled :

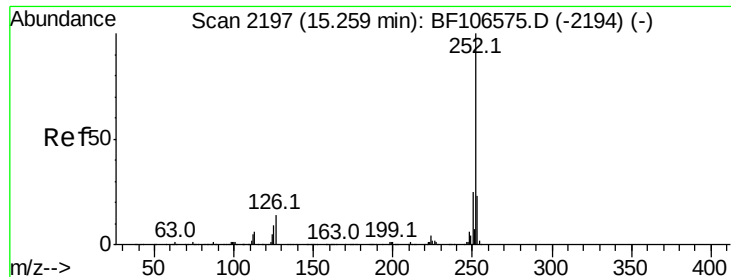
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 17.077 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.0	25.6#
125	12.1	9.0	13.6

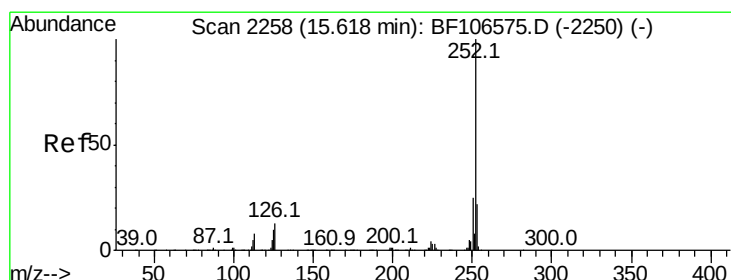
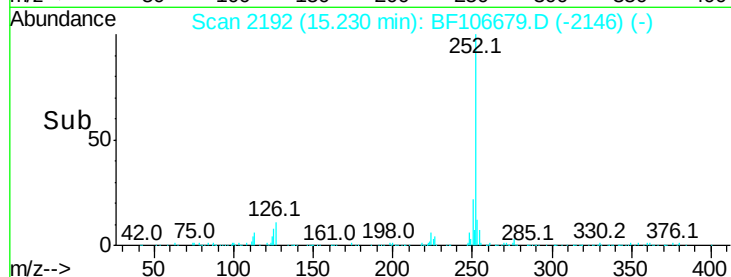
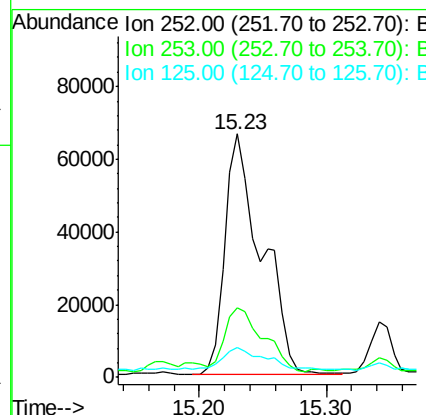
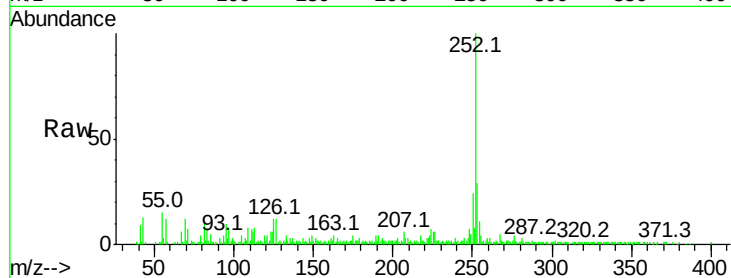




#88
Benzo(k)fluoranthene
Concen: 17.933 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

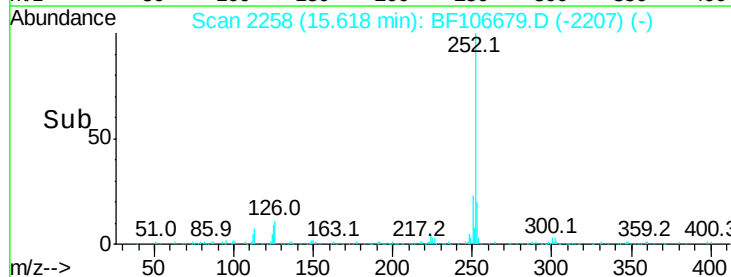
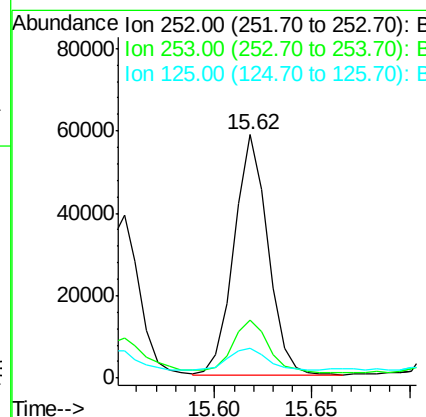
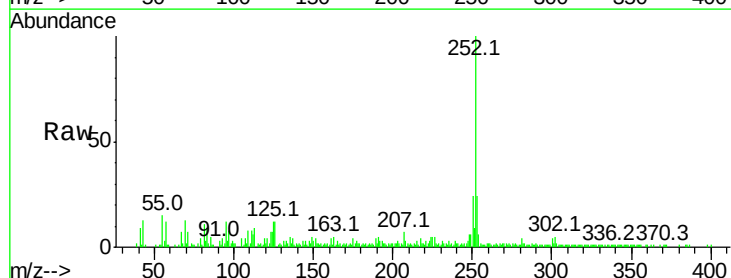
Instrument :
BNA_F
ClientSampleId :

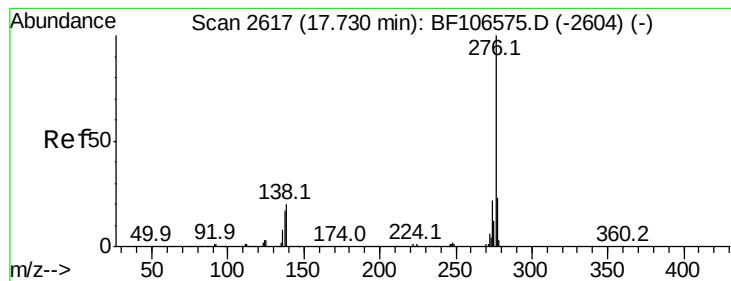
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.9	26.9
125	12.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.067 ng
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	12.3	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 8.146 ng

RT: 17.74 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

ClientSampleId :

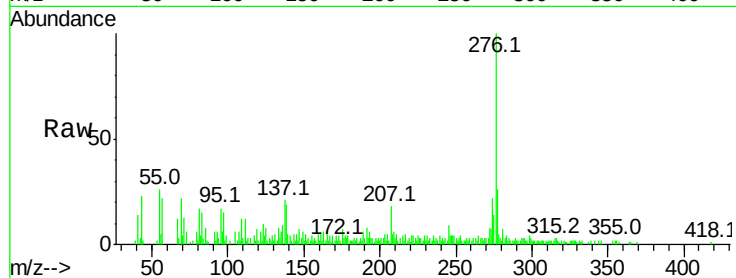
Tot Ion:276 Resp: 46814

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 19.1 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

