

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
 Data File : BF106702.D
 Acq On : 22 Jun 2018 12:10
 Operator : JU/SJ
 Sample : J3603-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 12:36:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 22 11:34:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	64940	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	253062	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	133738	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	262355	20.00	ng	0.00
75) Chrysene-d12	14.15	240	199472	20.00	ng	0.00
86) Perylene-d12	15.69	264	207613	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	408182	106.43	ng	0.00
7) Phenol-d6	6.61	99	524225	109.46	ng	0.00
23) Nitrobenzene-d5	7.52	82	352434	77.40	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	168537	108.73	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	510548	60.34	ng	0.00
78) Terphenyl-d14	13.08	244	533338	64.77	ng	0.00

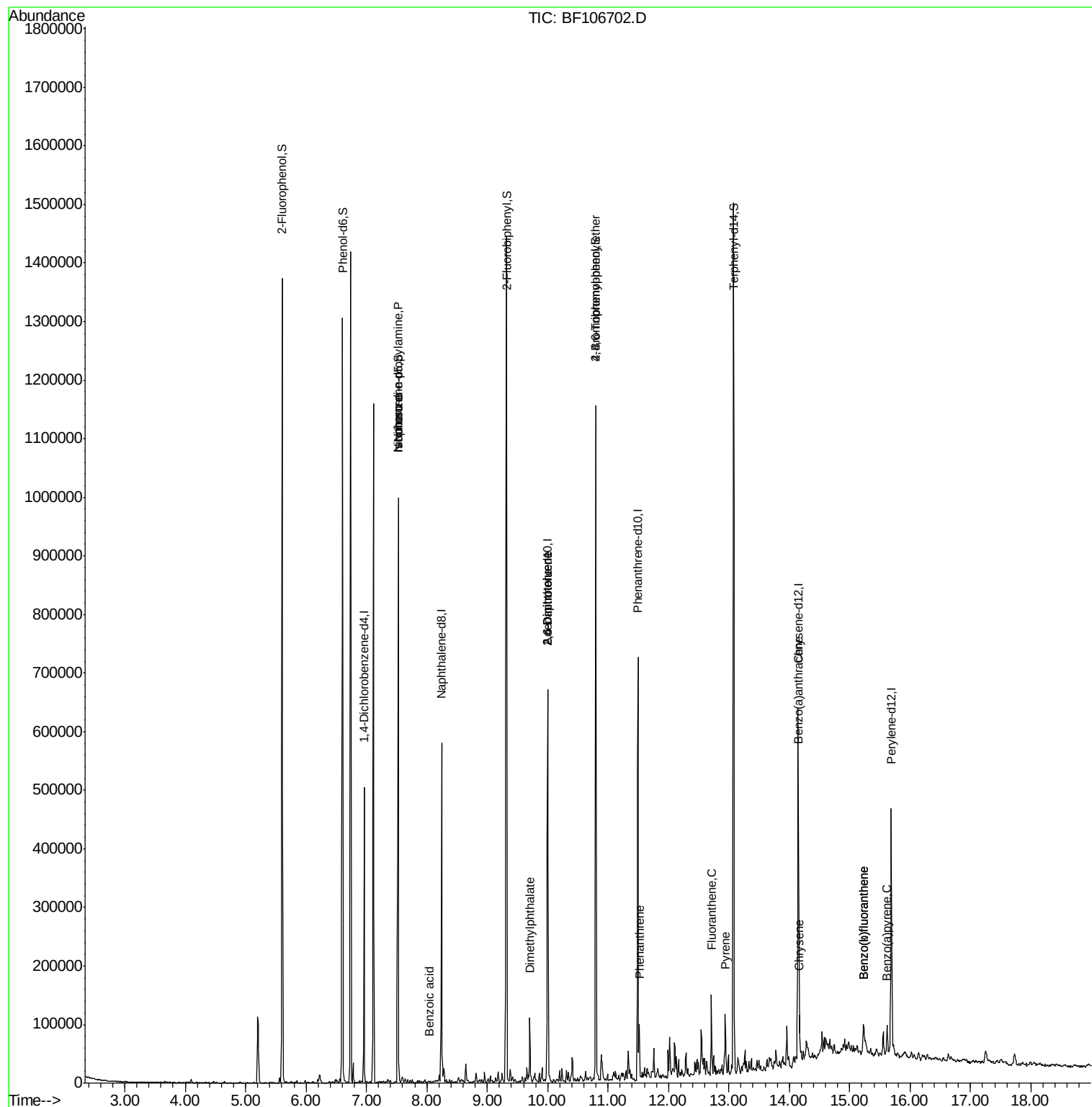
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.52	70	46969	14.878	ng	# 72
20) 3+4-Methylphenols	7.38	107	297	Below	Cal	# 58
25) Isophorone	7.52	82	352429	43.921	ng	# 64
32) Benzoic acid	8.03	122	122	5.775	ng	# 1
49) Dimethylphthalate	9.71	163	34681	3.458	ng	# 99
50) 2,6-Dinitrotoluene	10.00	165	17384	8.185	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	17384	6.270	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	10309	3.292	ng	# 1
70) Phenanthrene	11.52	178	35042	2.769	ng	98
74) Fluoranthene	12.71	202	43847	3.144	ng	98
77) Pyrene	12.94	202	39914	3.034	ng	98
80) Benzo(a)anthracene	14.14	228	25063	2.062	ng	# 84
82) Chrysene	14.17	228	31941	2.856	ng	# 93
87) Benzo(b)fluoranthene	15.23	252	39437	3.058	ng	98
88) Benzo(k)fluoranthene	15.23	252	39437	3.211	ng	# 96
89) Benzo(a)pyrene	15.62	252	23633	2.061	ng	98

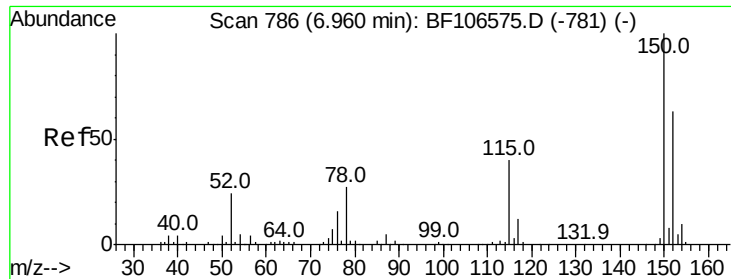
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106702.D
Acq On : 22 Jun 2018 12:10
Operator : JU/SJ
Sample : J3603-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 22 12:36:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 22 11:34:03 2018
Response via : Initial Calibration



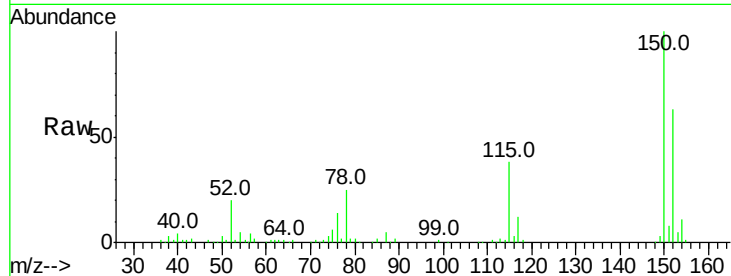


#1

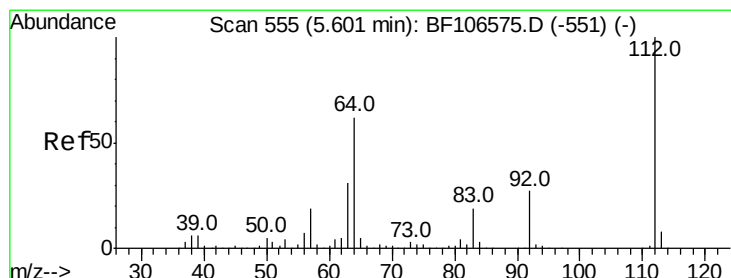
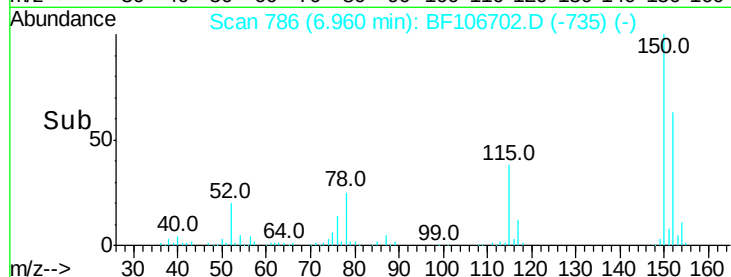
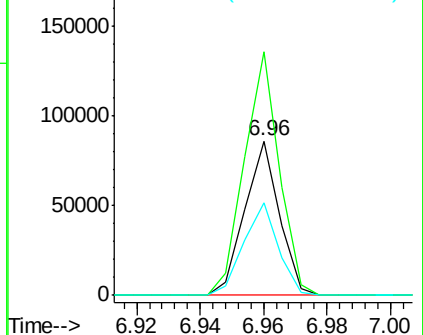
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64940
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 60.1 50.1 75.1



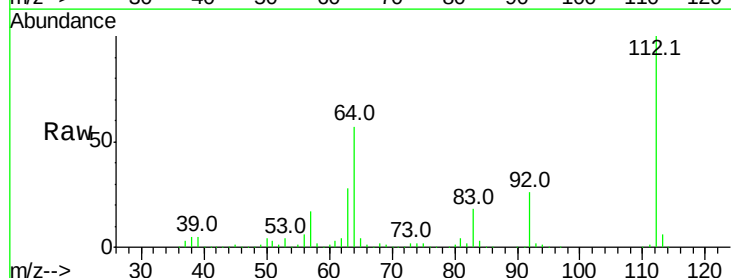
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



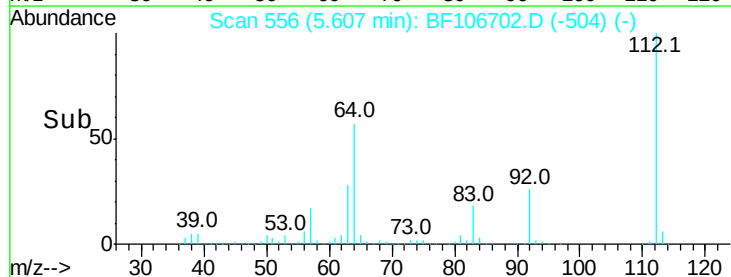
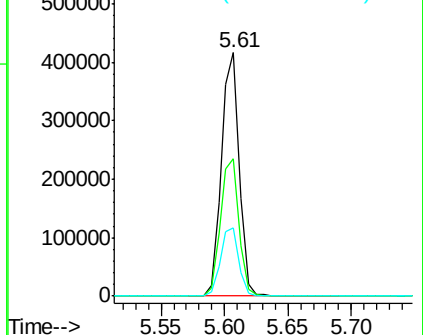
#5

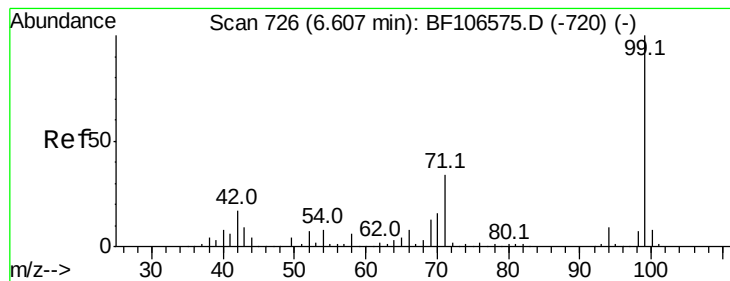
2-Fluorophenol
Concen: 106.434 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

Tgt Ion:112 Resp: 408182
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 28.1 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: 109.458 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF106702.D

Acq: 22 Jun 2018 12:10

Instrument :

BNA_F

ClientSampleId :

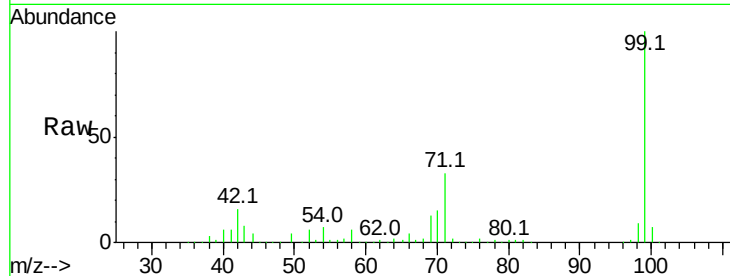
Tot Ion: 99 Resp: 524225

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

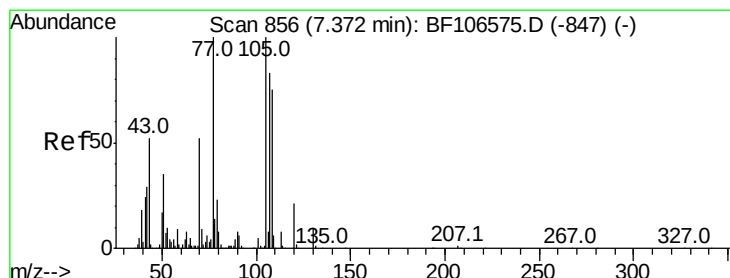
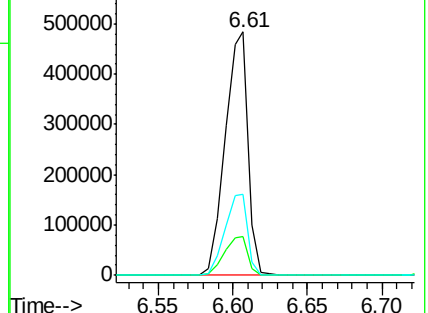
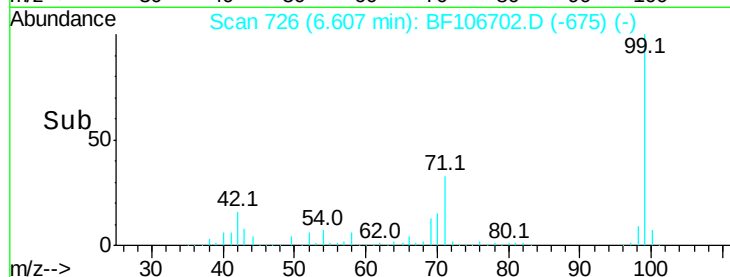
71 33.2 25.4 38.0



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: 14.878 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106702.D

Acq: 22 Jun 2018 12:10

Tgt Ion: 70 Resp: 46969

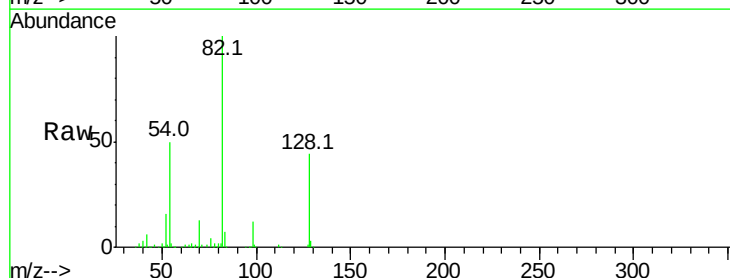
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

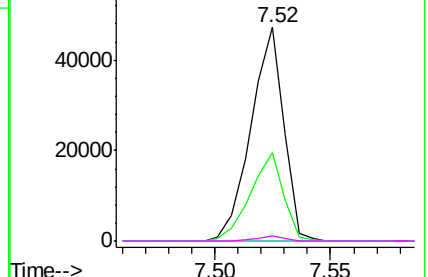
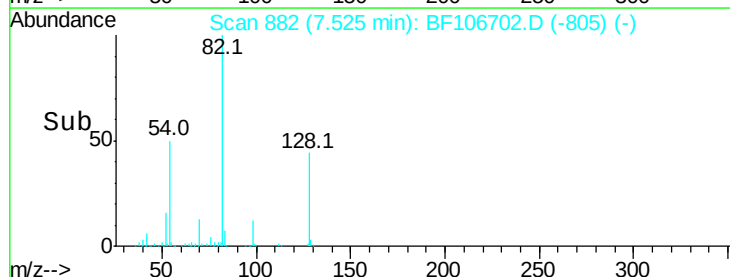


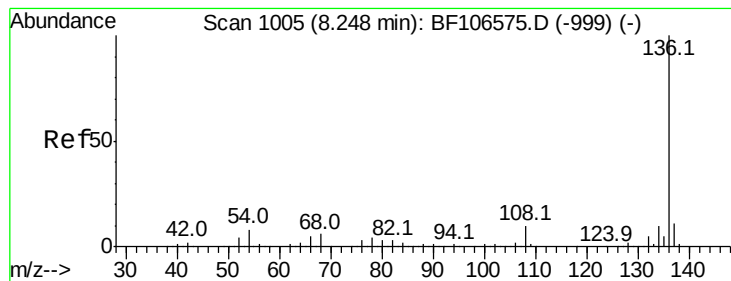
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF106702.D

Acq: 22 Jun 2018 12:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 253062

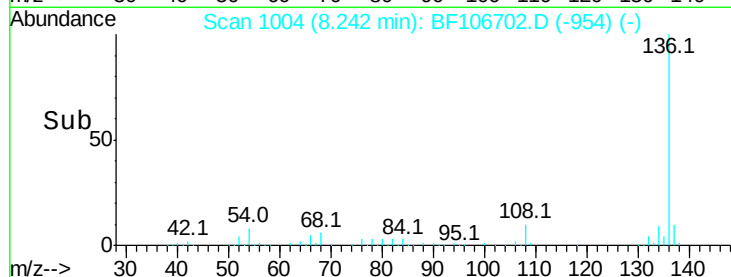
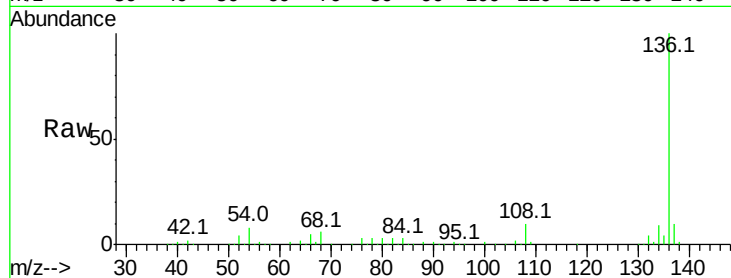
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.9 6.6 9.8

68 6.2 5.0 7.4

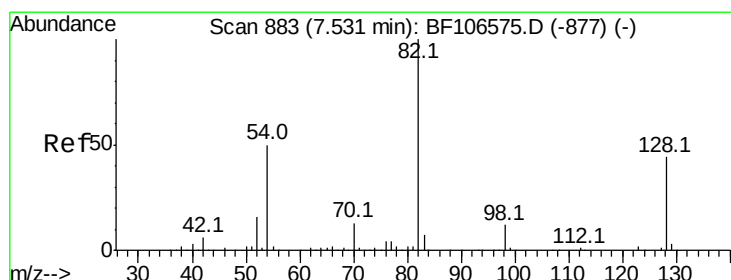
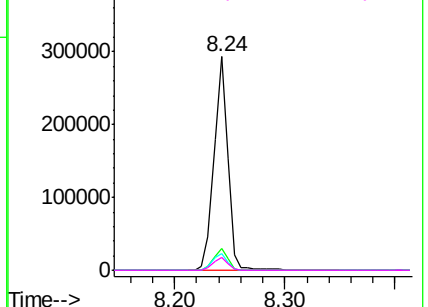


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.396 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106702.D

Acq: 22 Jun 2018 12:10

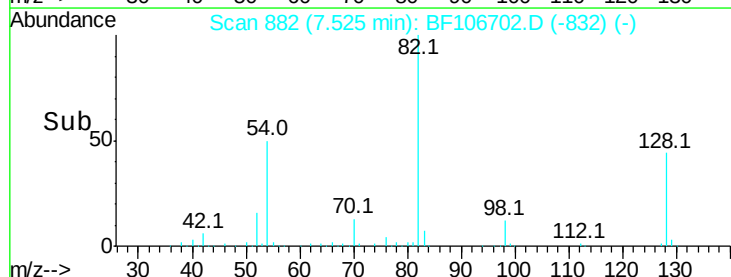
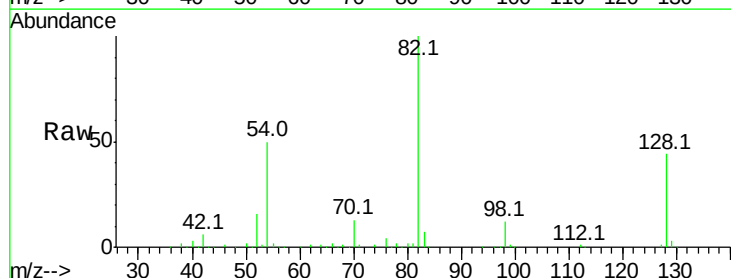
Tgt Ion: 82 Resp: 352434

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

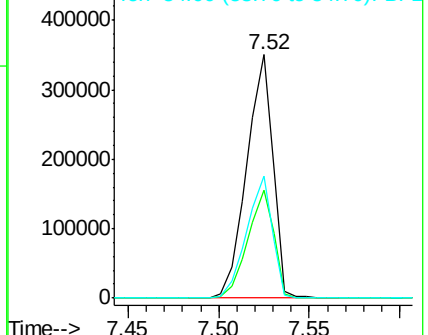
54 49.9 41.4 62.2

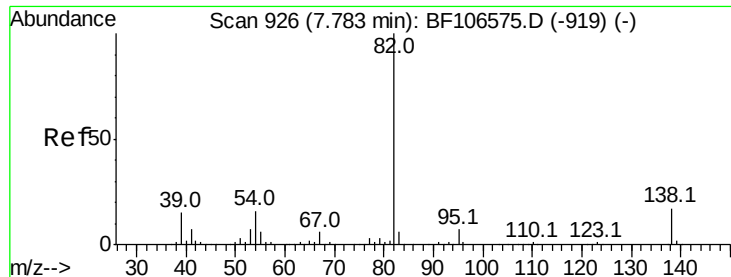


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.921 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106702.D

Acq: 22 Jun 2018 12:10

Instrument :

BNA_F

ClientSampleId :

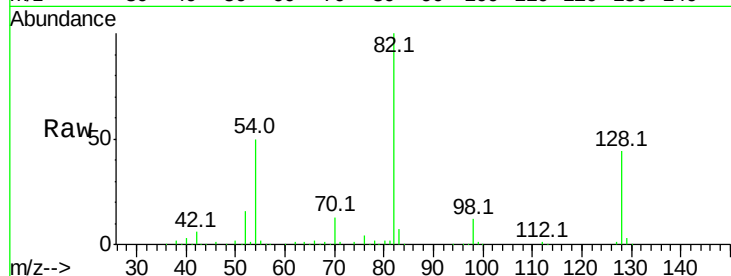
Tot Ion: 82 Resp: 352429

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

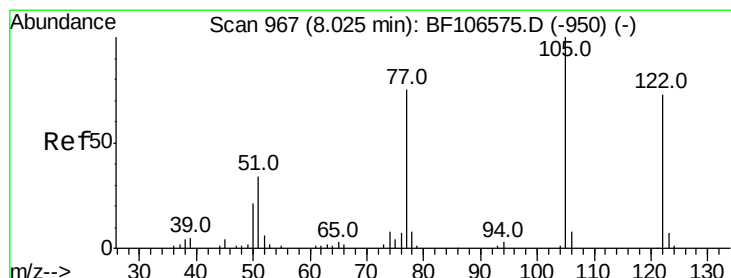
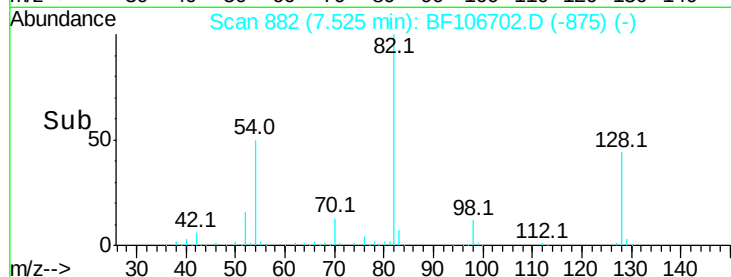
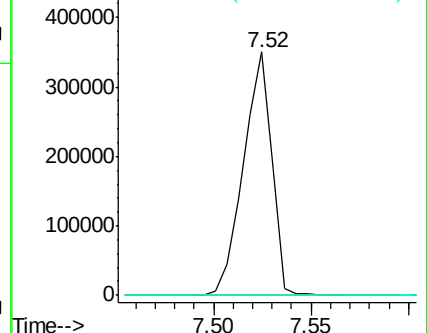
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 5.775 ng

RT: 8.03 min Scan# 968

Delta R.T. 0.01 min

Lab File: BF106702.D

Acq: 22 Jun 2018 12:10

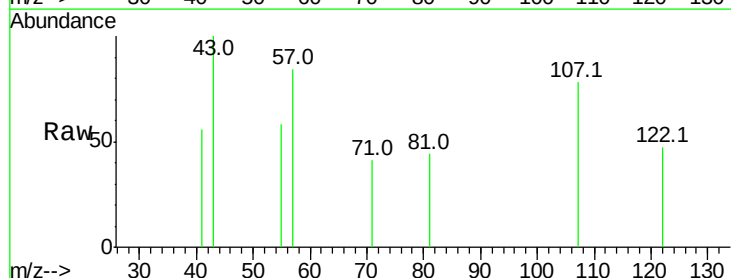
Tgt Ion:122 Resp: 122

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

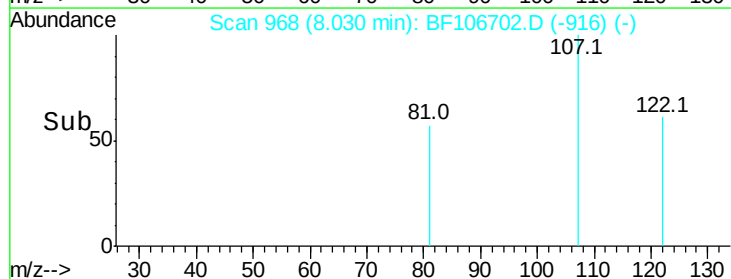
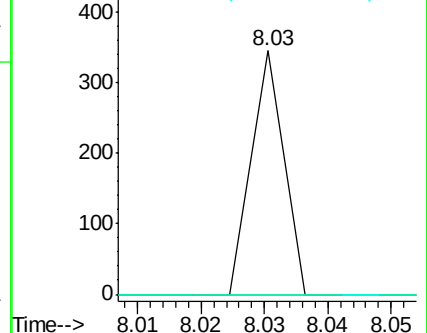
77 0.0 70.7 110.7#

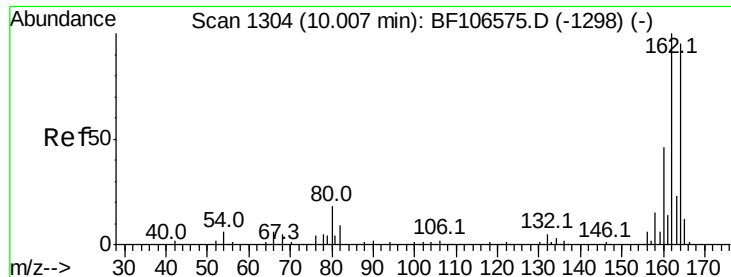


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

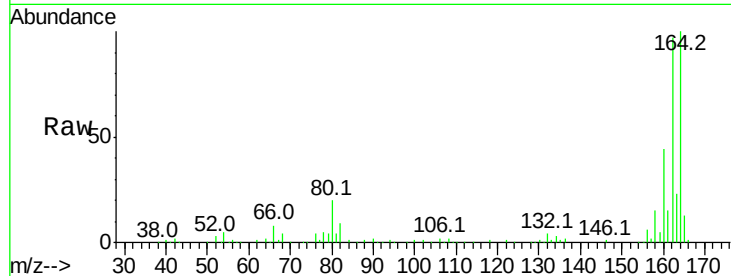




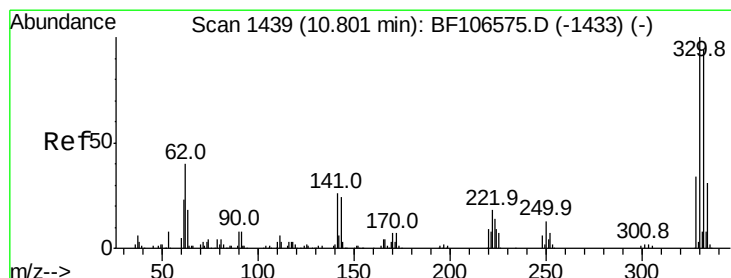
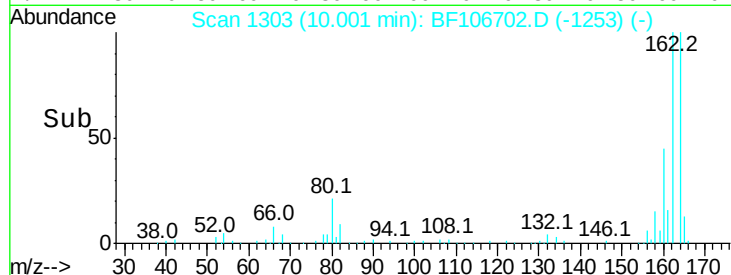
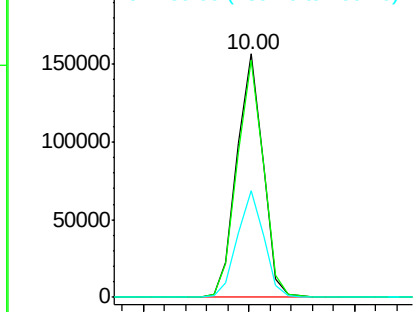
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 133738
Ion Ratio Lower Upper
164 100
162 97.4 86.1 129.1
160 43.6 38.3 57.5

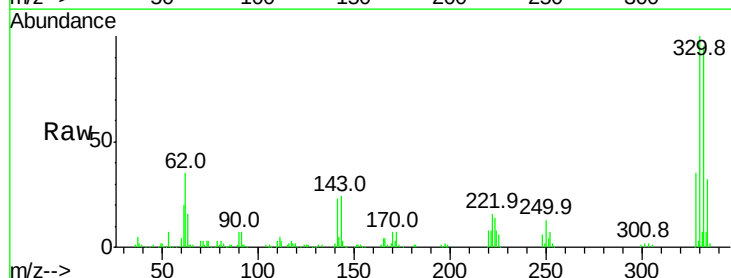


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

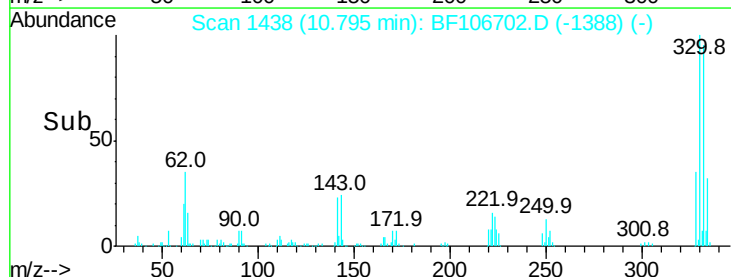
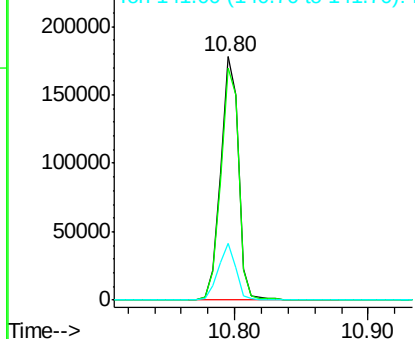


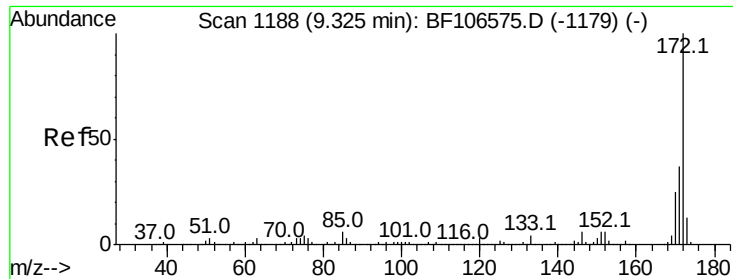
#41
2,4,6-Tribromophenol
Concen: 108.729 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

Tgt Ion:330 Resp: 168537
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 23.3 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

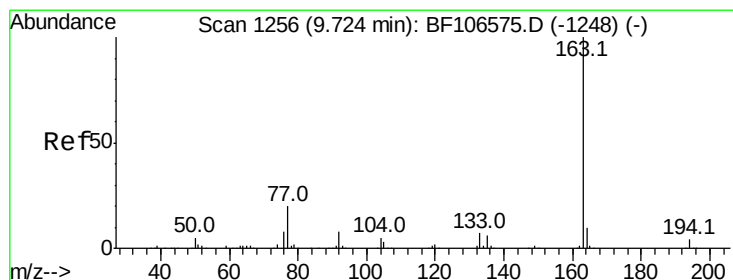
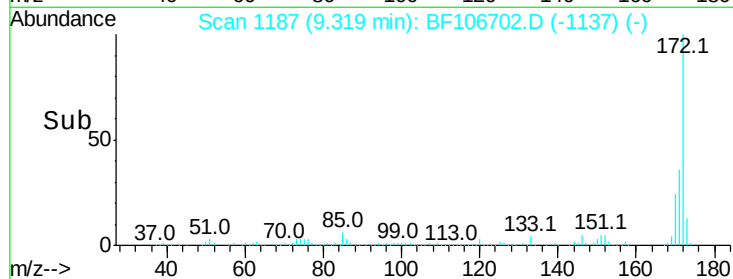
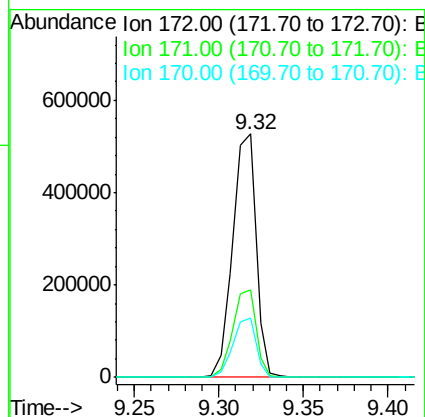
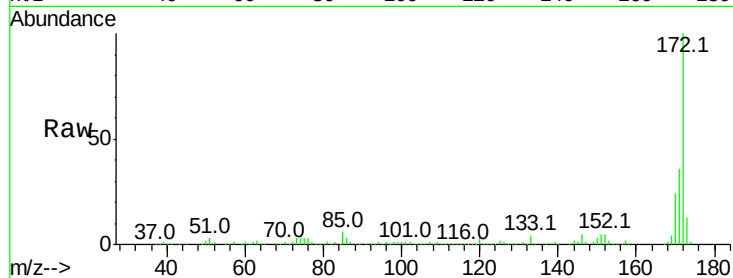




#44
2-Fluorobiphenyl
Concen: 60.336 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

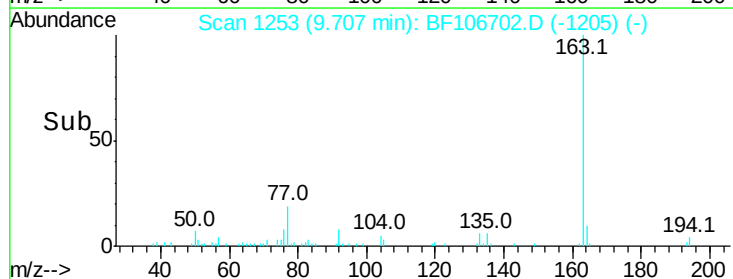
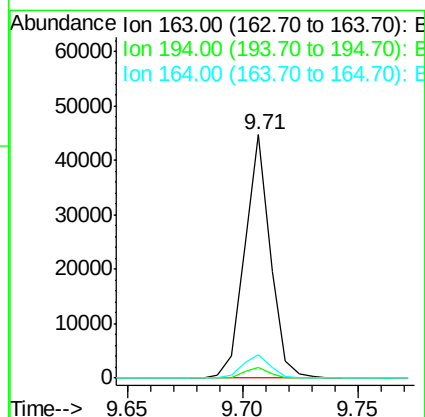
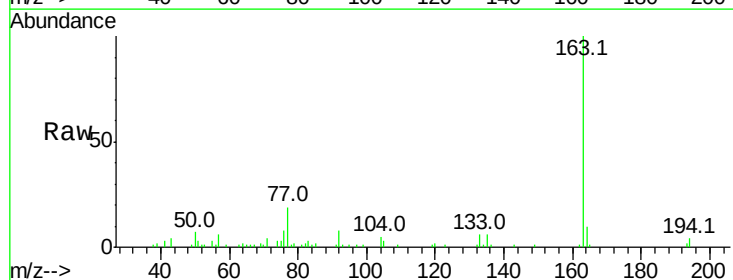
Instrument :
BNA_F
ClientSampleId :

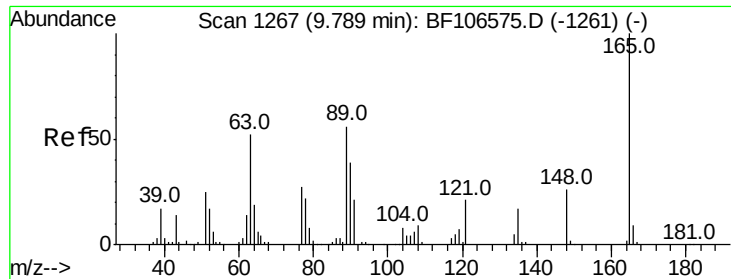
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.3	19.6	29.4



#49
Dimethylphthalate
Concen: 3.458 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	9.8	8.2	12.2

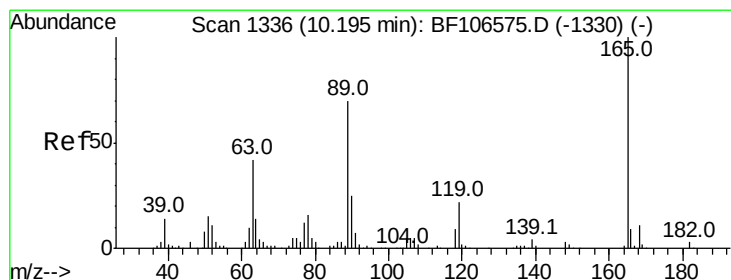
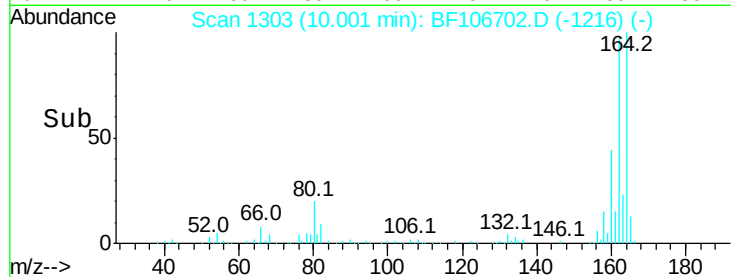
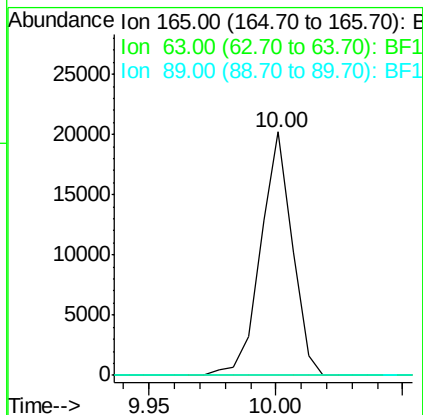
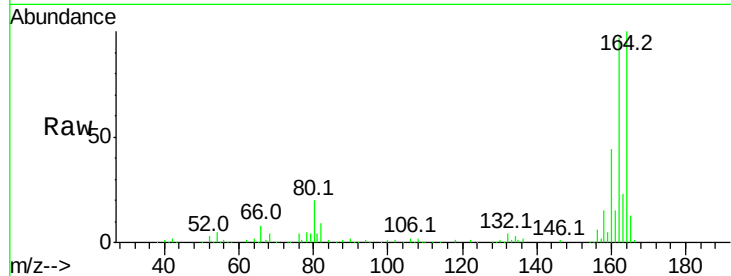




#50
 2,6-Dinitrotoluene
 Concen: 8.185 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF106702.D
 Acq: 22 Jun 2018 12:10

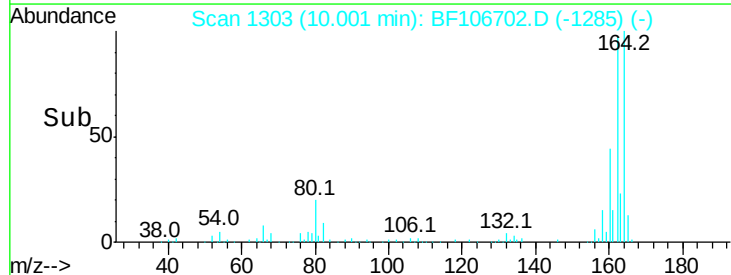
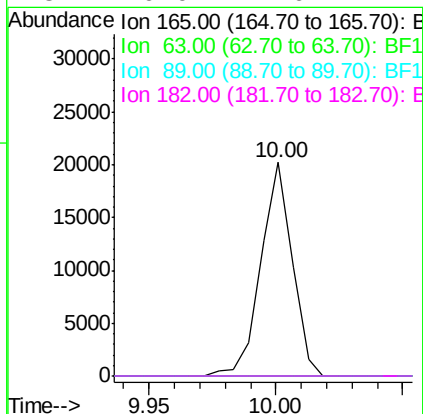
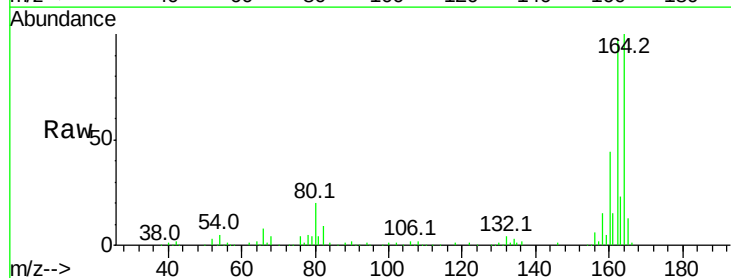
Instrument :
 BNA_F
 ClientSampled :

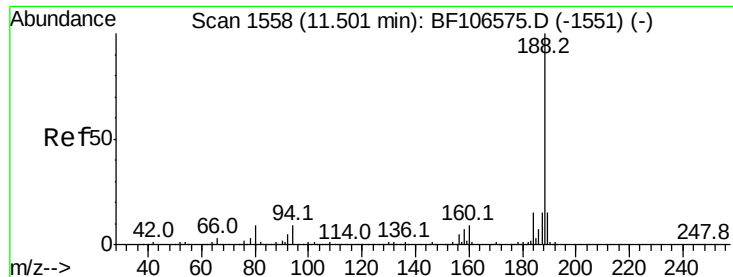
Tot Ion:165 Resp: 17384
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.270 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106702.D
 Acq: 22 Jun 2018 12:10

Tgt Ion:165 Resp: 17384
 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#

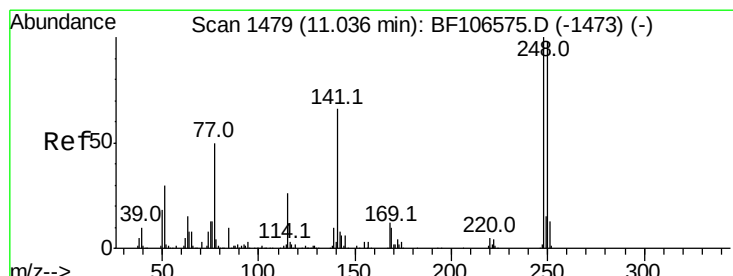
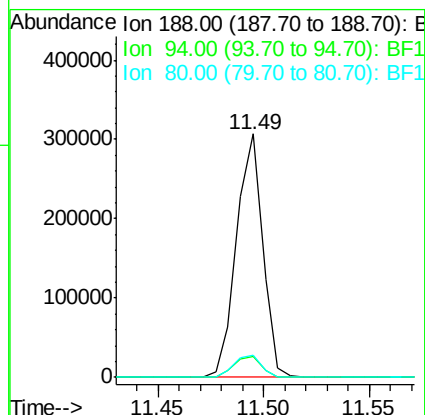
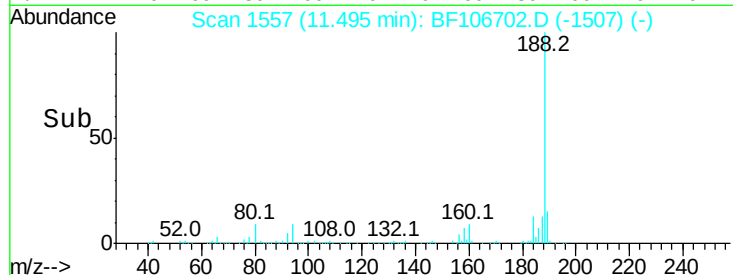
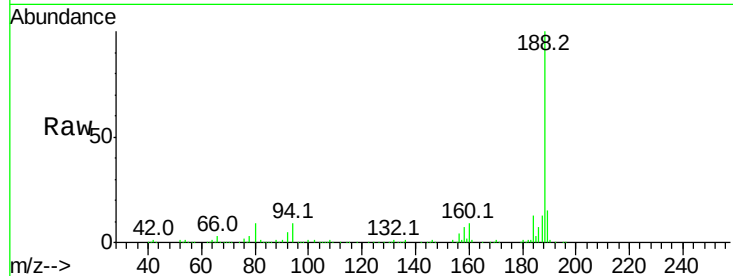




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106702.D
 Acq: 22 Jun 2018 12:10

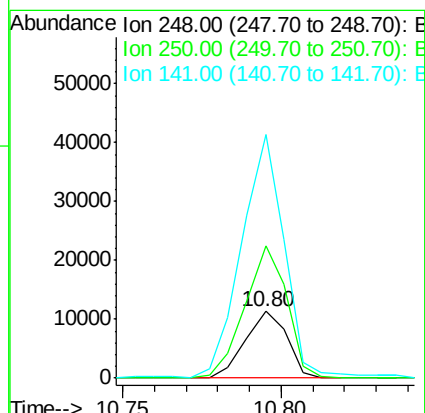
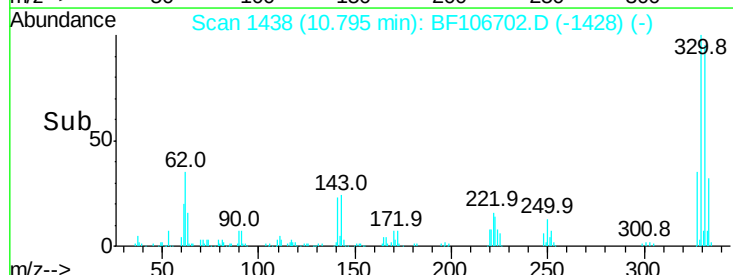
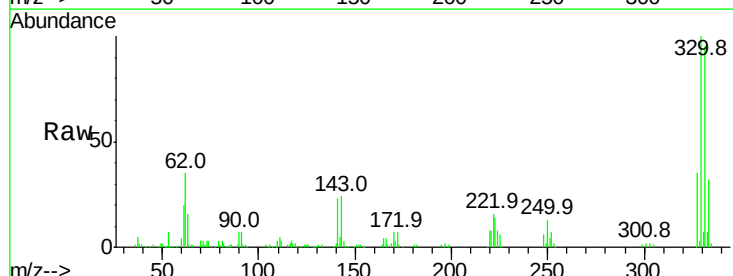
Instrument :
 BNA_F
 ClientSampleId :

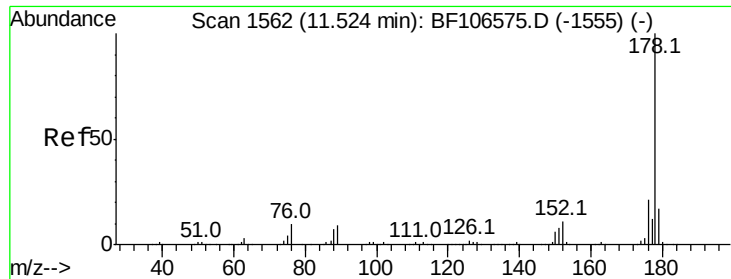
Tot Ion:188 Resp: 262355
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.5 12.7
 80 9.3 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.292 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF106702.D
 Acq: 22 Jun 2018 12:10

Tgt Ion:248 Resp: 10309
 Ion Ratio Lower Upper
 248 100
 250 199.4 76.9 115.3#
 141 366.9 74.4 111.6#

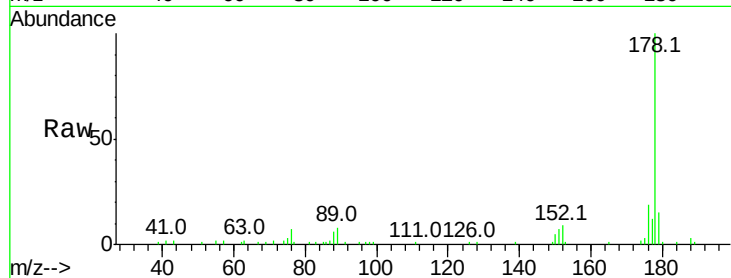




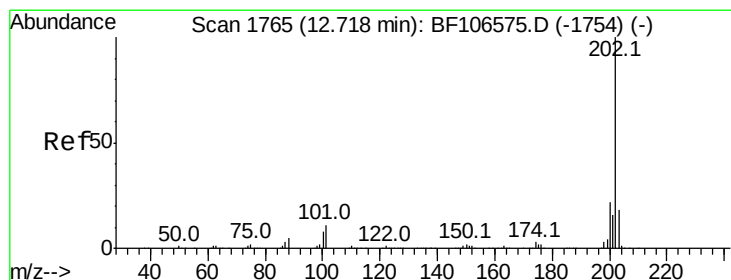
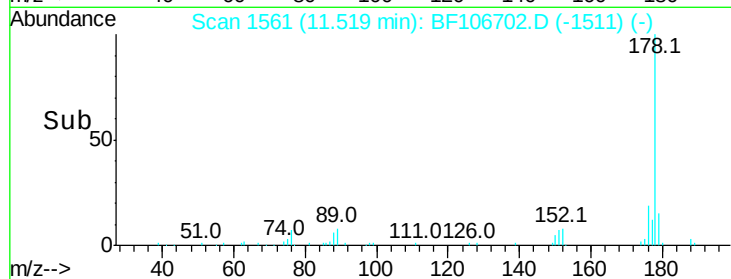
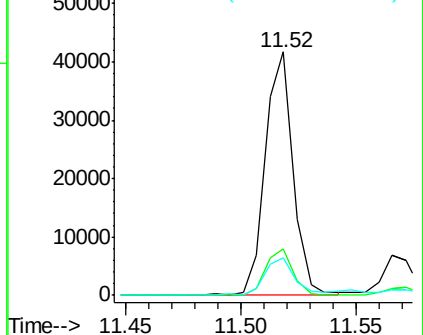
#70
Phenanthrene
Concen: 2.769 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 35042
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.2 13.0 19.6

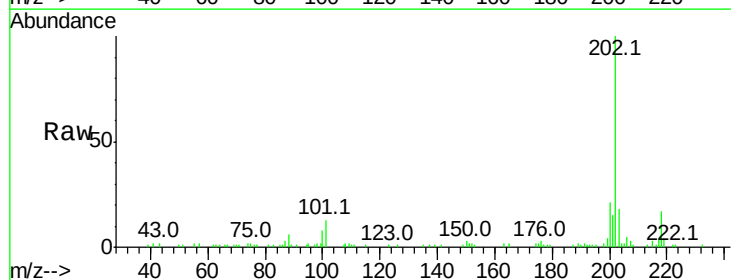


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

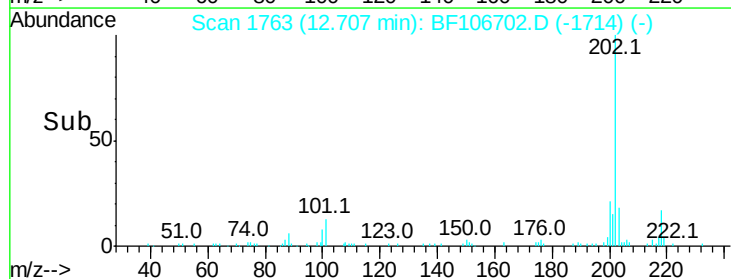
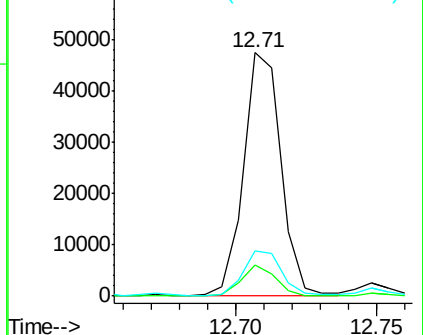


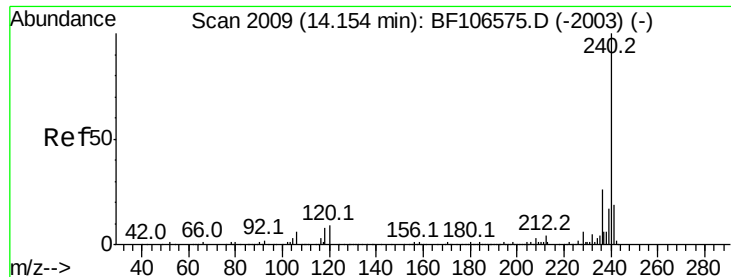
#74
Fluoranthene
Concen: 3.144 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

Tgt Ion:202 Resp: 43847
Ion Ratio Lower Upper
202 100
101 13.0 0.0 34.1
203 18.4 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: BF106702.D

Acq: 22 Jun 2018 12:10

Instrument :

BNA_F

ClientSampleId :

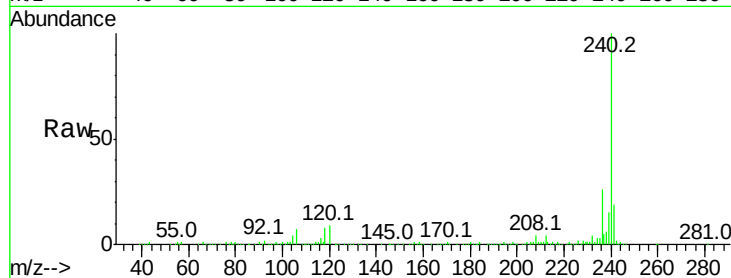
Tot Ion:240 Resp: 199472

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

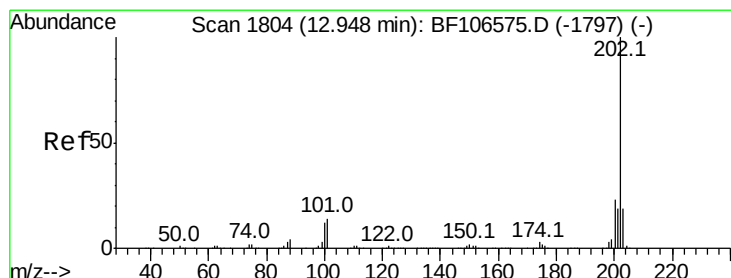
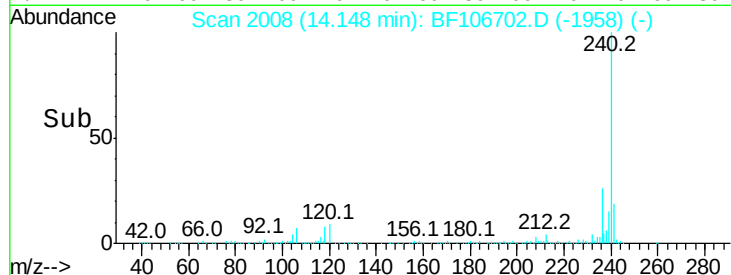
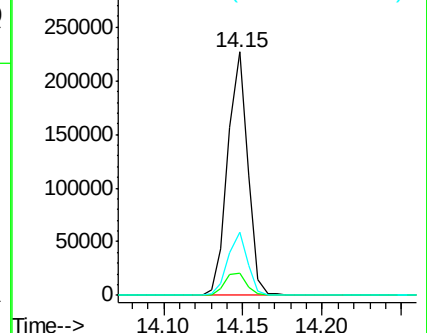
236 25.8 20.7 31.1



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: 3.034 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106702.D

Acq: 22 Jun 2018 12:10

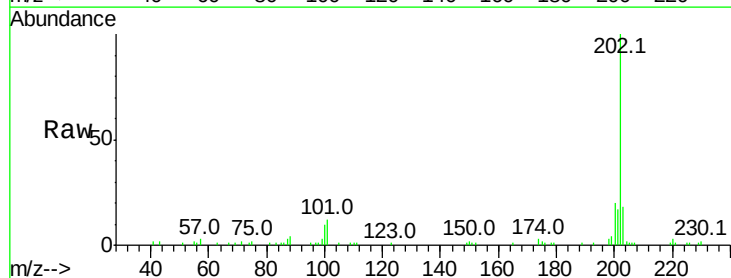
Tgt Ion:202 Resp: 39914

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

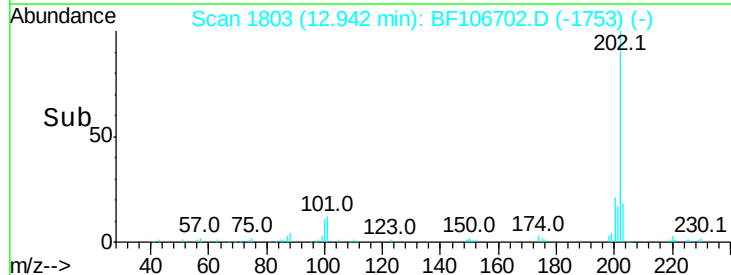
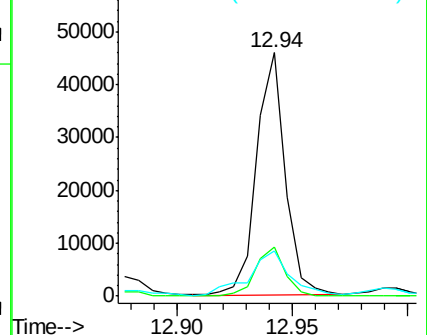
203 18.4 14.3 21.5

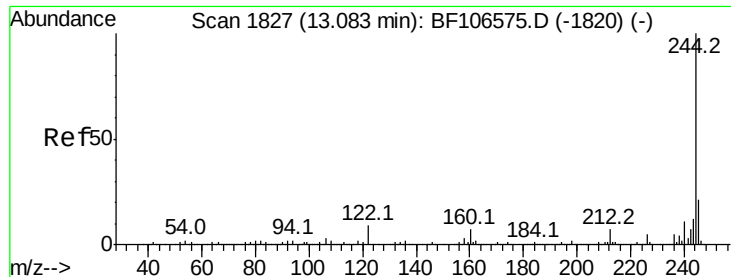


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

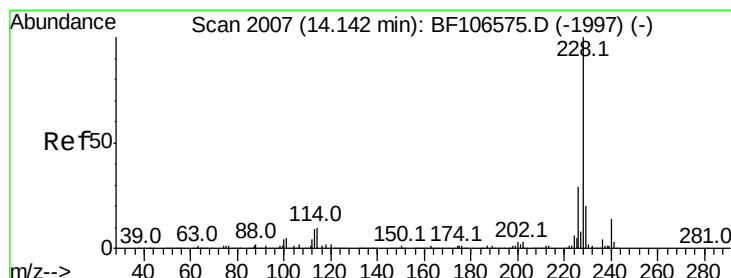
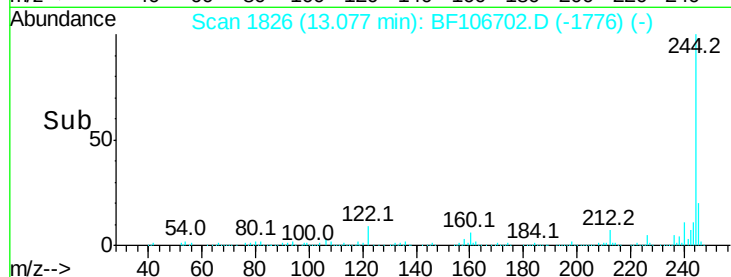
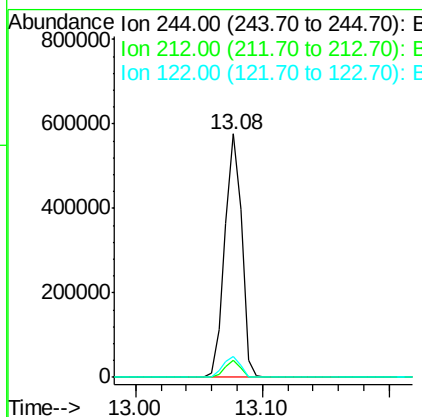
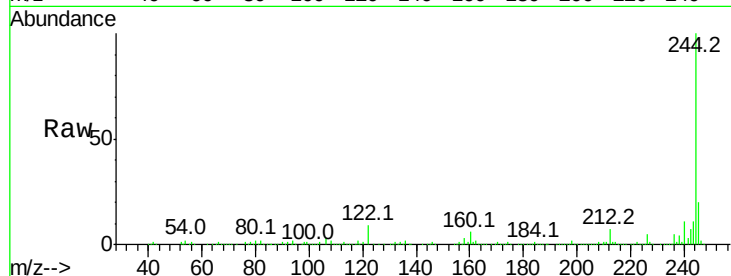




#78
 Terphenyl-d14
 Concen: 64.766 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106702.D
 Acq: 22 Jun 2018 12:10

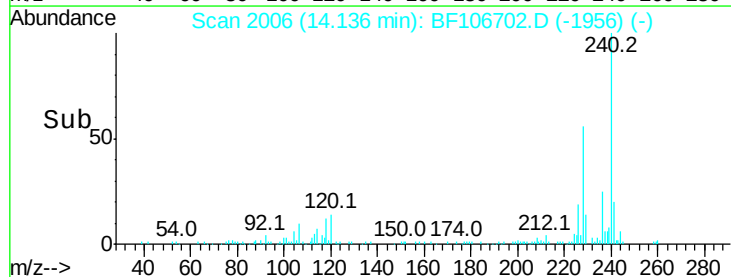
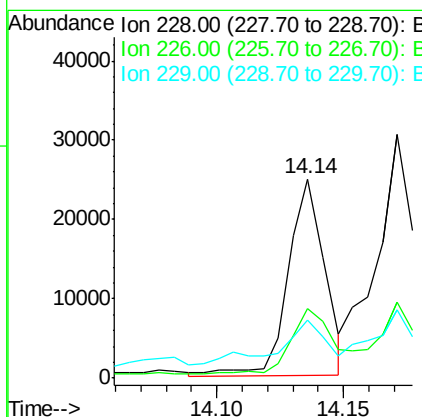
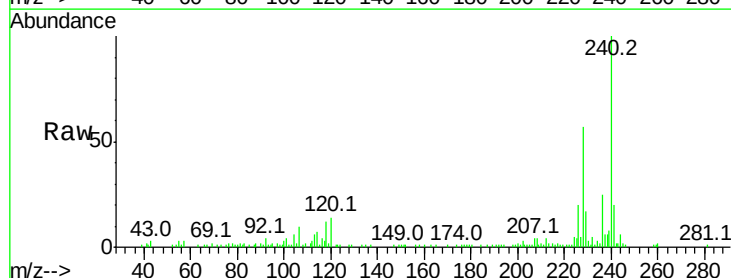
Instrument :
 BNA_F
 ClientSampleId :

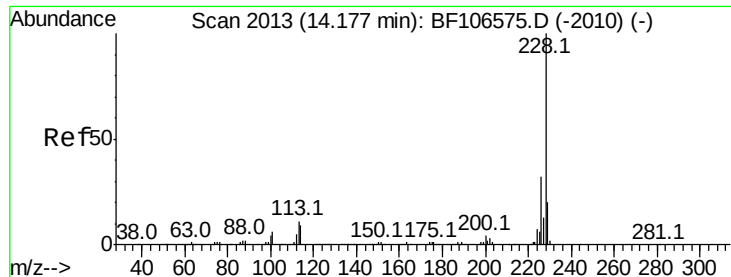
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	8.8	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 2.062 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106702.D
 Acq: 22 Jun 2018 12:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.9	22.6	33.8
229	29.0	15.8	23.6





#82

Chrysene

Concen: 2.856 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106702.D

Acq: 22 Jun 2018 12:10

Instrument :

BNA_F

ClientSampleId :

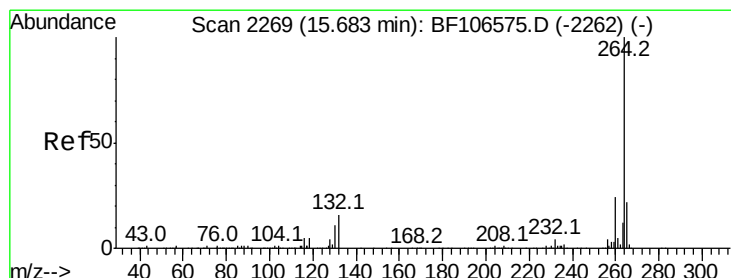
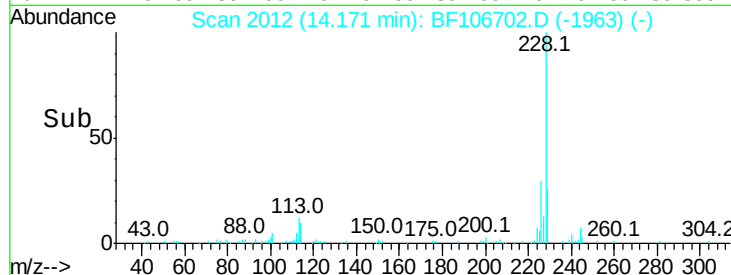
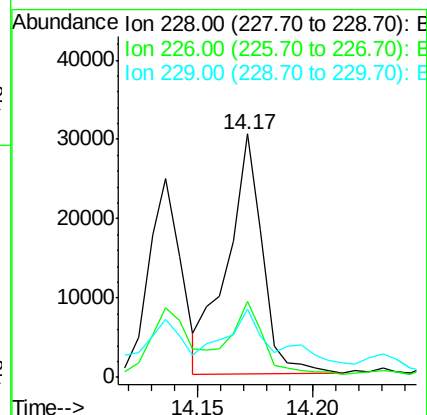
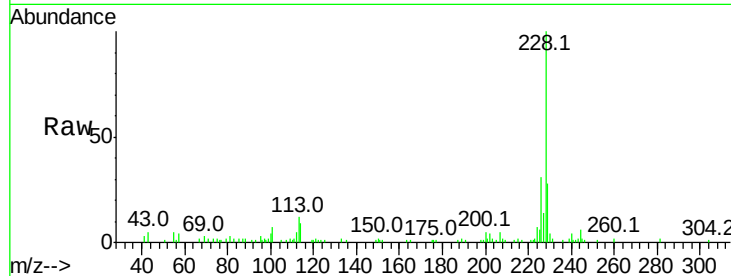
Tot Ion:228 Resp: 31941

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

229 28.2 16.2 24.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF106702.D

Acq: 22 Jun 2018 12:10

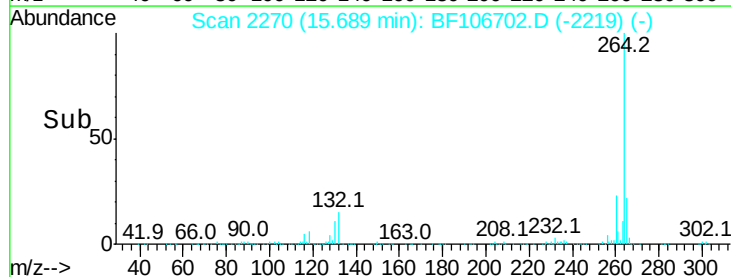
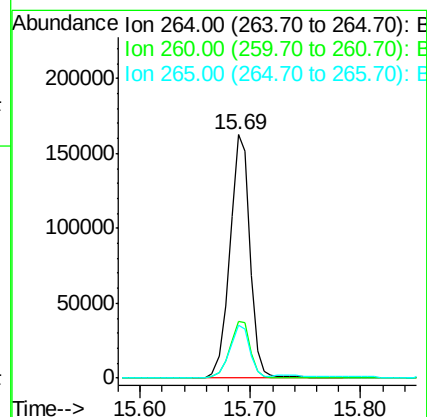
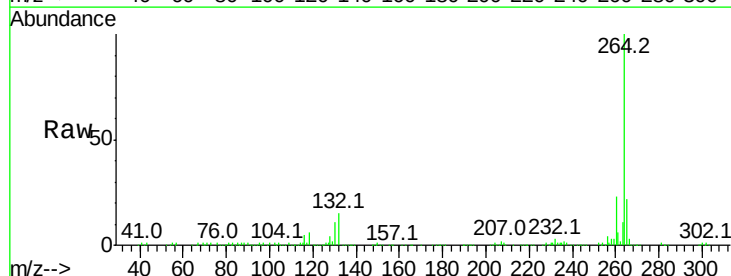
Tgt Ion:264 Resp: 207613

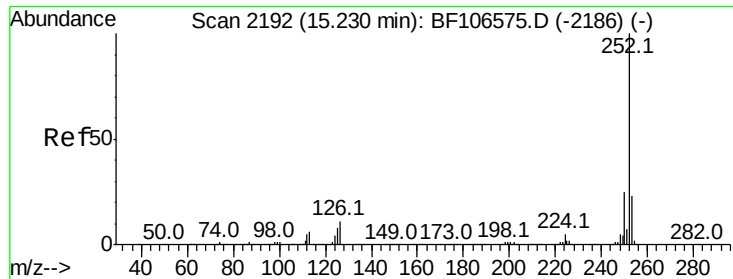
Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.7 17.5 26.3

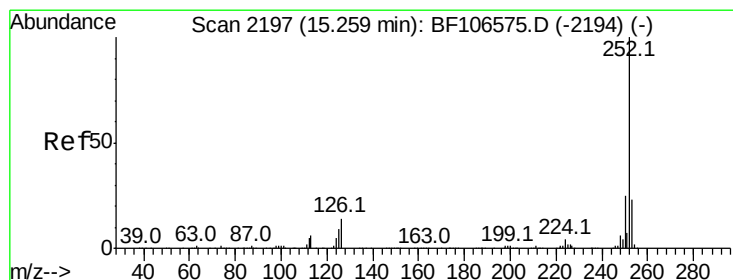
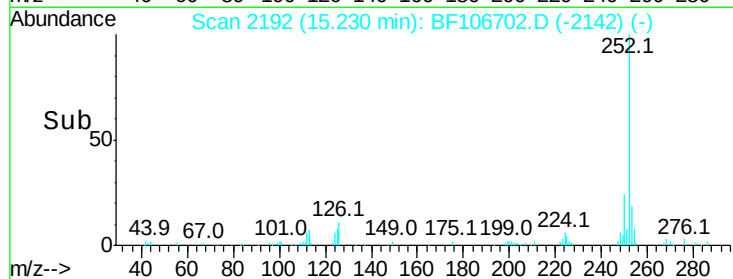
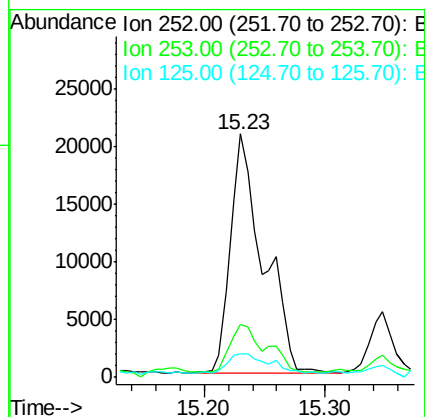
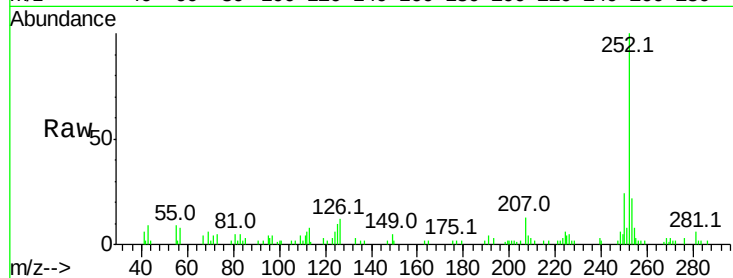




#87
Benzo(b)fluoranthene
Concen: 3.058 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

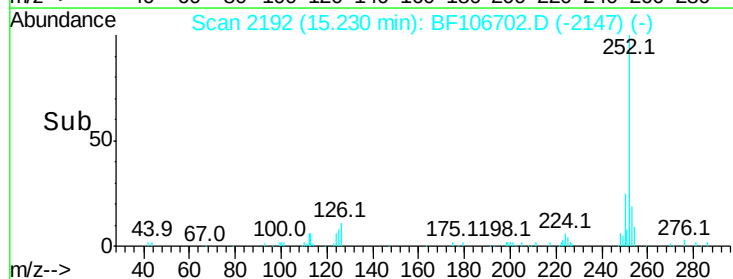
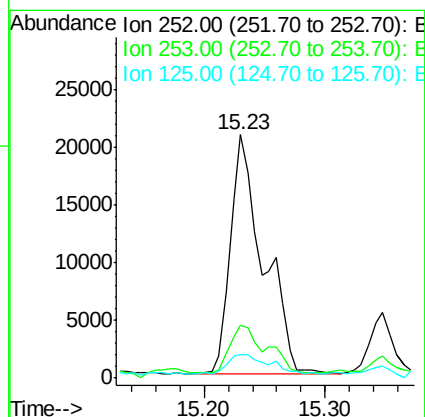
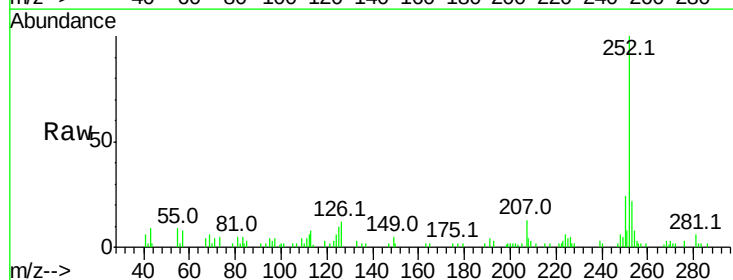
Instrument :
BNA_F
ClientSampleId :

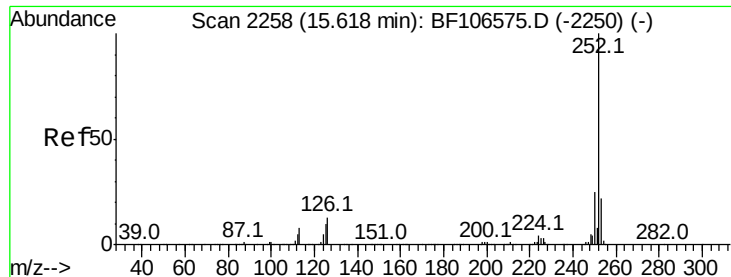
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	9.9	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 3.211 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.04 min
Lab File: BF106702.D
Acq: 22 Jun 2018 12:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	9.9	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.061 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BF106702.D

Acq: 22 Jun 2018 12:10

Instrument :

BNA_F

ClientSampleId :

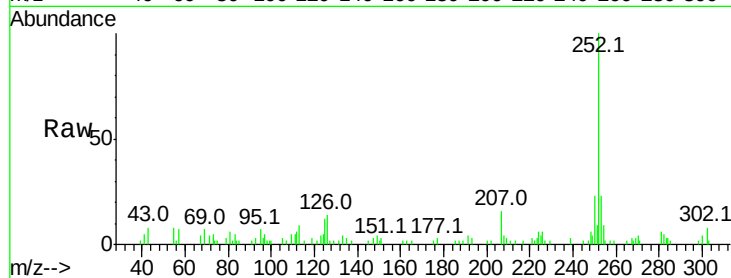
Tot Ion:252 Resp: 23633

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 11.8 9.8 14.6



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

