

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106674.D
 Acq On : 21 Jun 2018 21:22
 Operator : JU/SJ
 Sample : J3245-15 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 03:23:57 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	61530	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	236611	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	112151	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	207444	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	196101	20.00	ng	0.00
86) Perylene-d12	15.69	264	148349	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	160649	44.21	ng	0.00
7) Phenol-d6	6.60	99	197636	43.55	ng	-0.01
23) Nitrobenzene-d5	7.52	82	122669	28.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	52441	40.34	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	240560	26.08	ng	-0.01
78) Terphenyl-d14	13.08	244	273515	33.79	ng	0.00

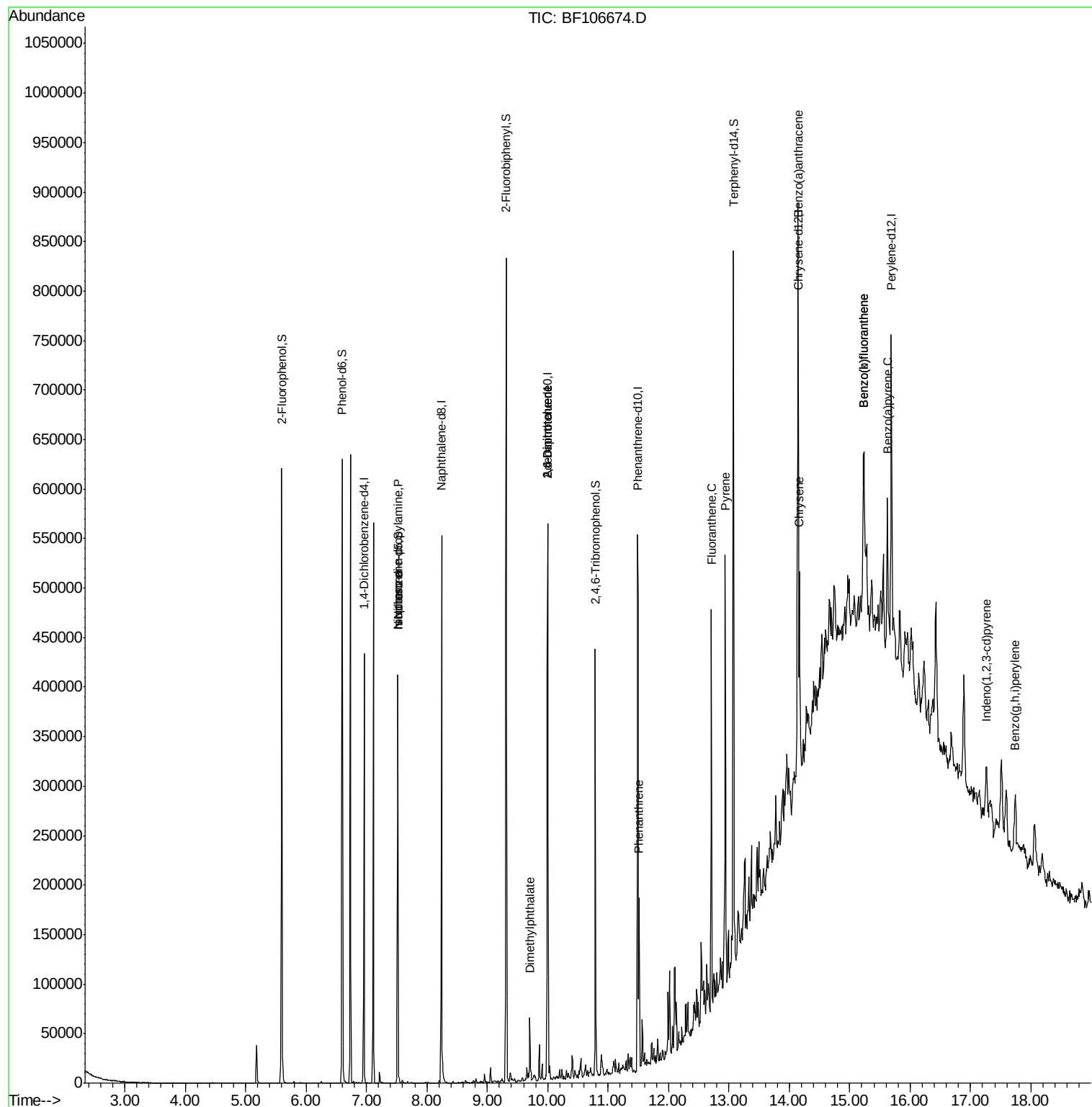
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	15924	5.324	ng	# 75
25) Isophorone	7.52	82	122667	16.350	ng	# 64
49) Dimethylphthalate	9.71	163	23067	2.742	ng	99
50) 2,6-Dinitrotoluene	10.00	165	14671	8.237	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	14671	6.310	ng	# 21
70) Phenanthrene	11.51	178	62645	6.261	ng	98
74) Fluoranthene	12.71	202	154623	14.021	ng	97
77) Pyrene	12.94	202	175593	13.579	ng	99
80) Benzo(a)anthracene	14.14	228	85117	7.122	ng	95
82) Chrysene	14.17	228	90815	8.259	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	38674	4.145	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	126327	13.708	ng	# 86
88) Benzo(k)fluoranthene	15.23	252	126327	14.395	ng	# 90
89) Benzo(a)pyrene	15.62	252	66715	8.144	ng	# 93
91) Benzo(a,h,i)perylene	17.74	276	46174	6.804	ng	# 90

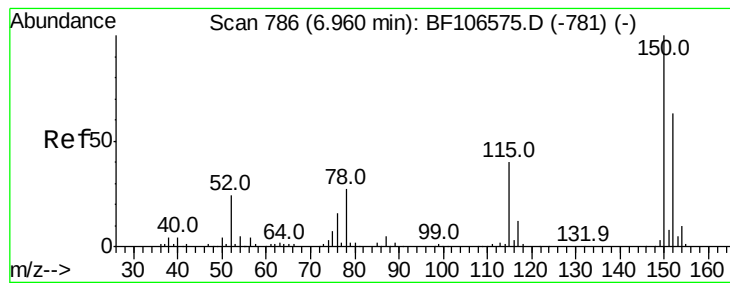
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106674.D
Acq On : 21 Jun 2018 21:22
Operator : JU/SJ
Sample : J3245-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 22 03:23:57 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



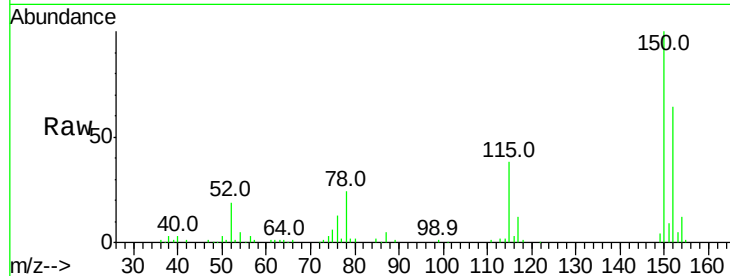


#1

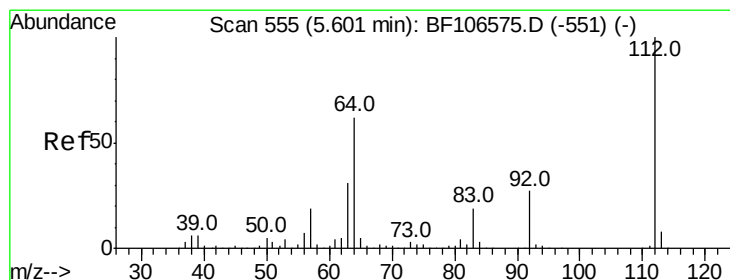
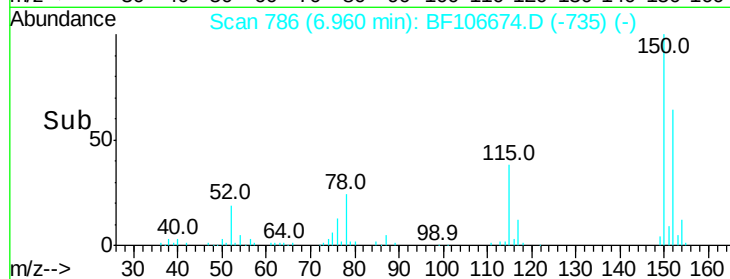
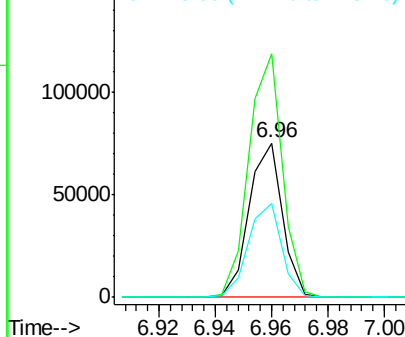
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 61530
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 60.5 50.1 75.1



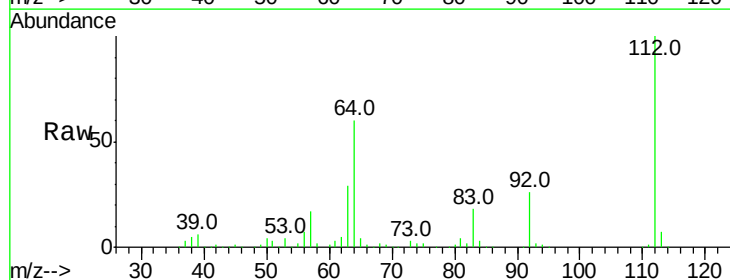
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



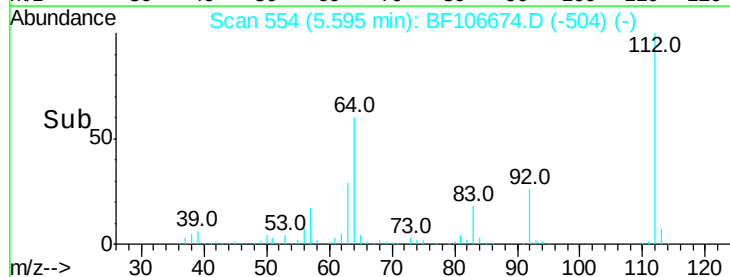
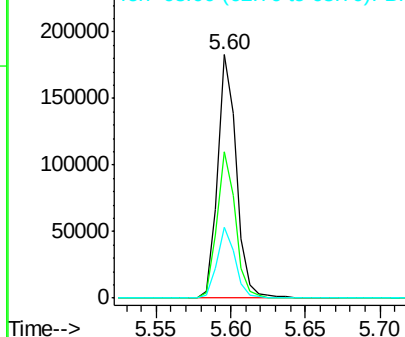
#5

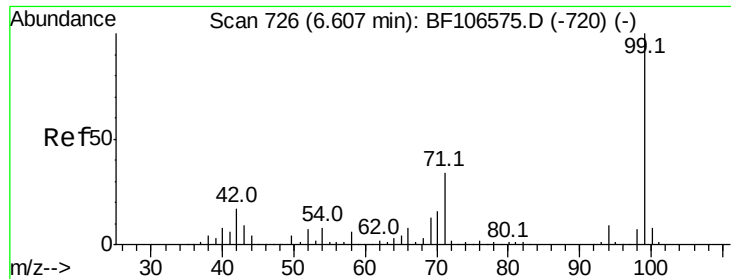
2-Fluorophenol
Concen: 44.211 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Tgt Ion:112 Resp: 160649
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 29.2 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: 43.553 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

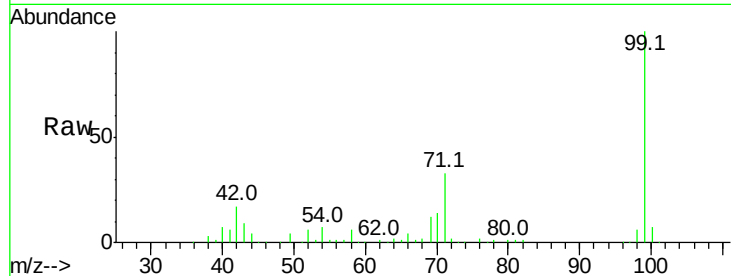
Tot Ion: 99 Resp: 197636

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

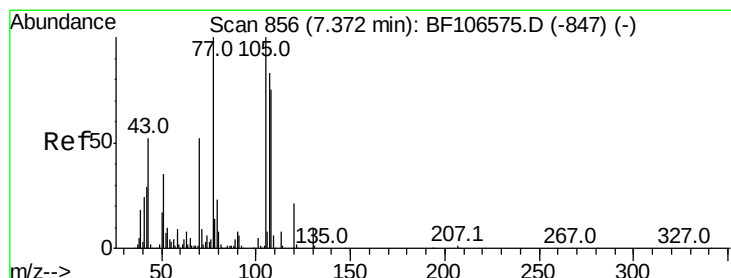
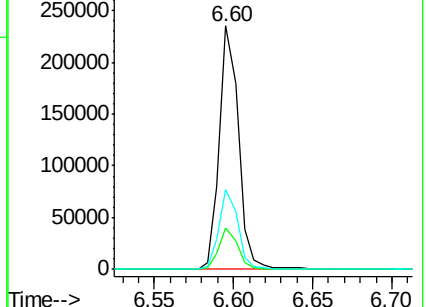
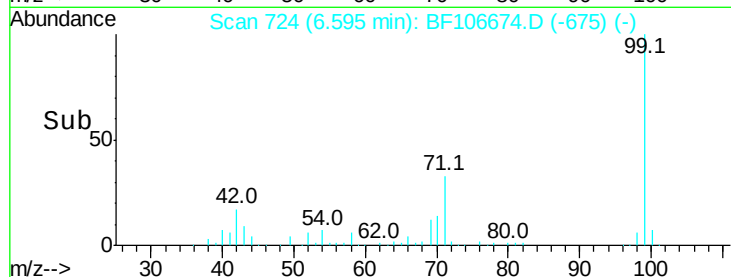
71 32.7 25.4 38.0



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: 5.324 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Tgt Ion: 70 Resp: 15924

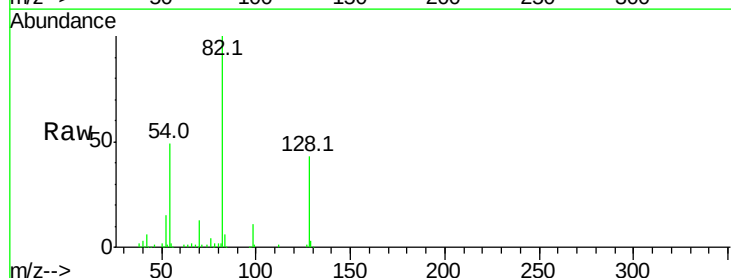
Ion Ratio Lower Upper

70 100

42 44.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

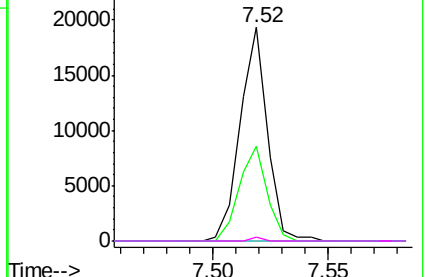
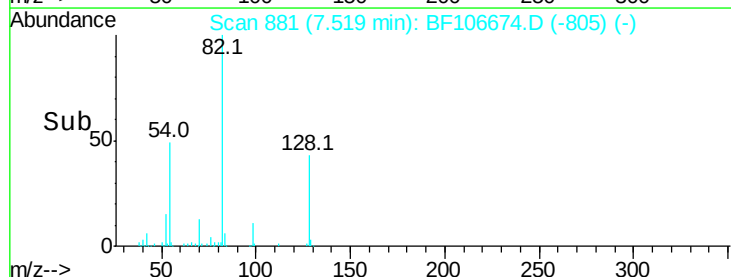


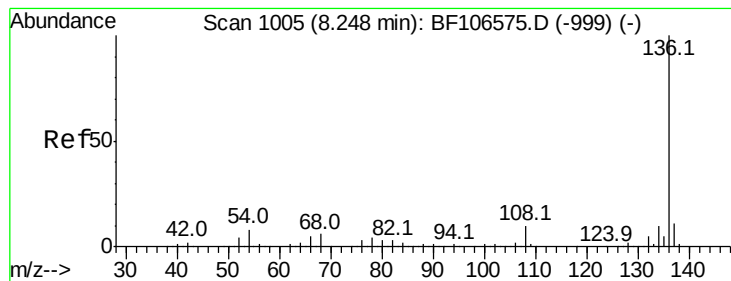
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 236611

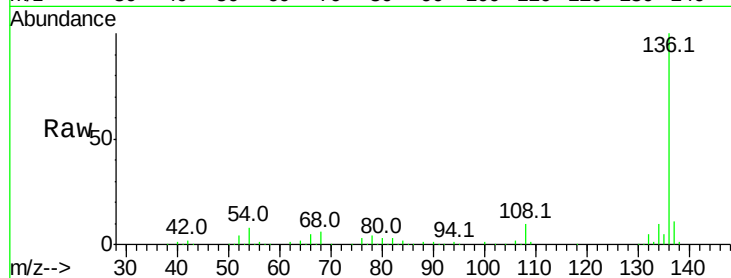
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.0 6.6 9.8

68 6.2 5.0 7.4

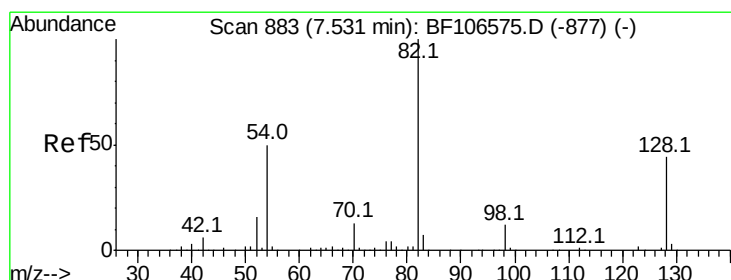
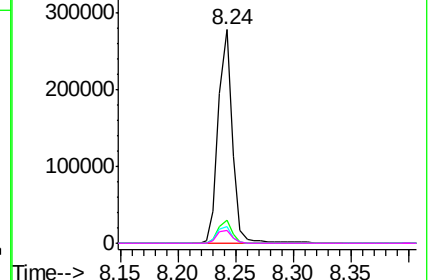
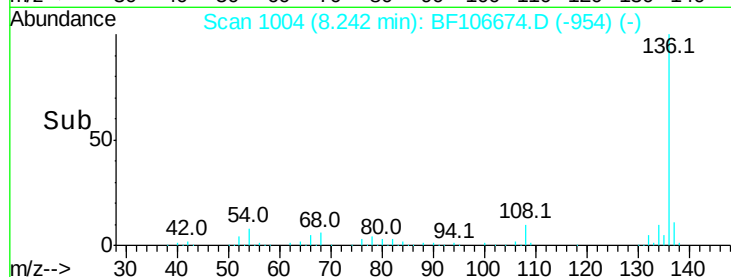


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.812 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

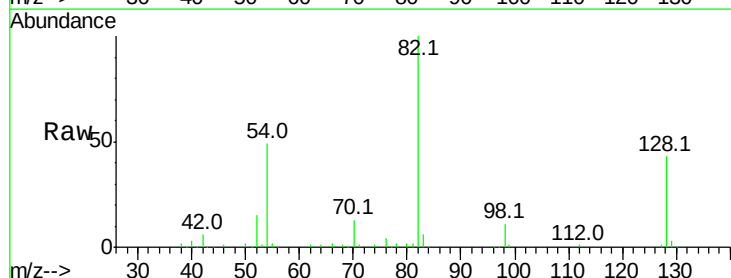
Tgt Ion: 82 Resp: 122669

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

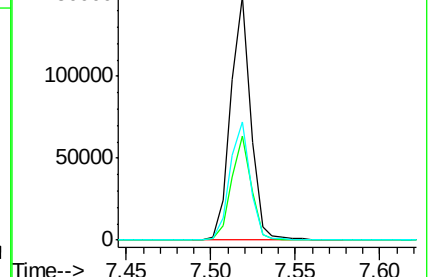
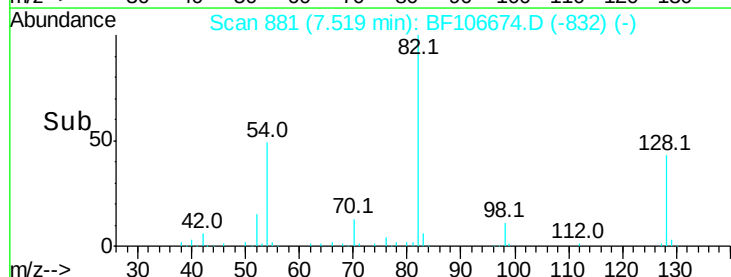
54 48.6 41.4 62.2

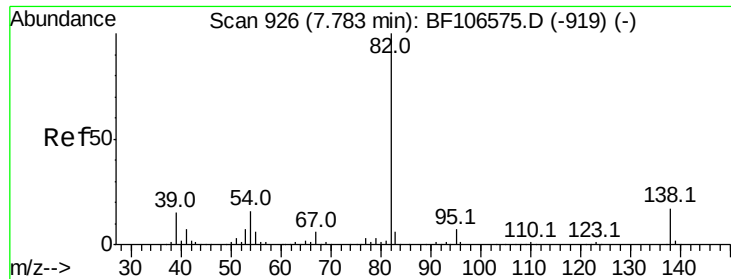


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.350 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

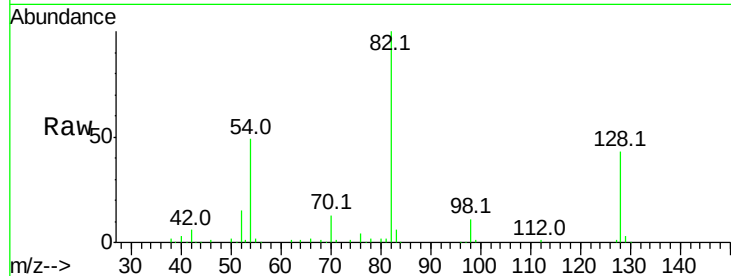
Tot Ion: 82 Resp: 122667

Ion Ratio Lower Upper

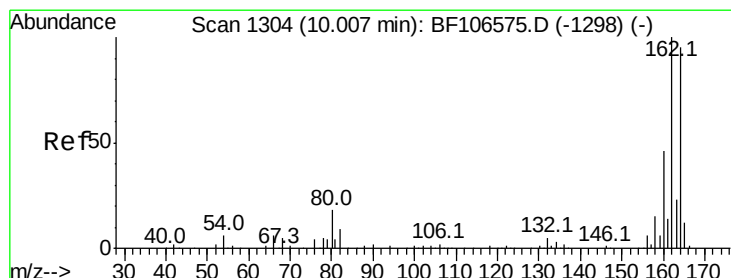
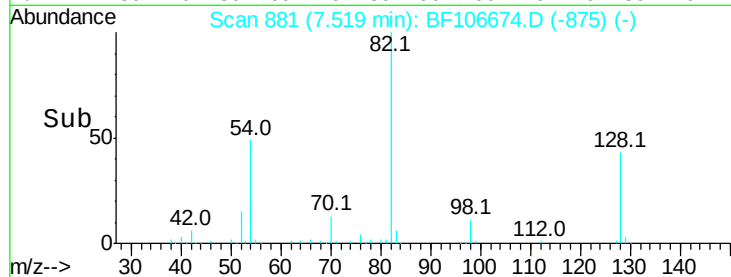
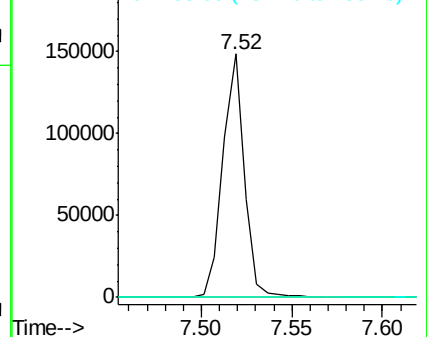
82 100

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: BF106674.D

Acq: 21 Jun 2018 21:22

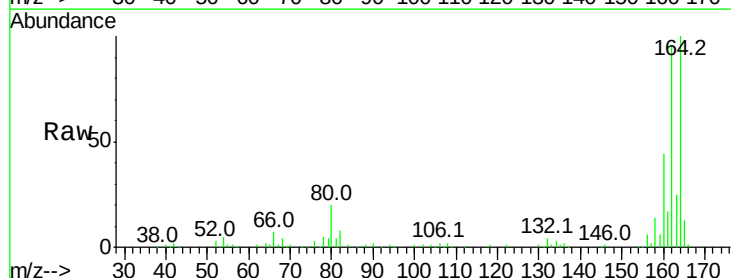
Tgt Ion: 164 Resp: 112151

Ion Ratio Lower Upper

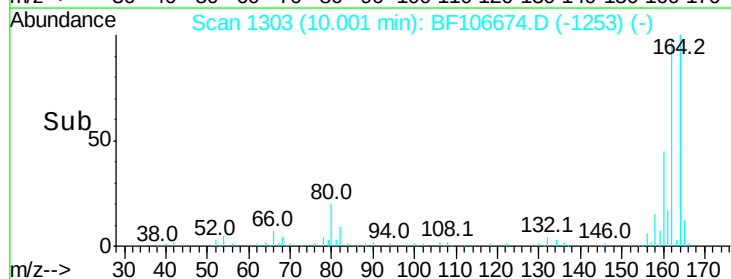
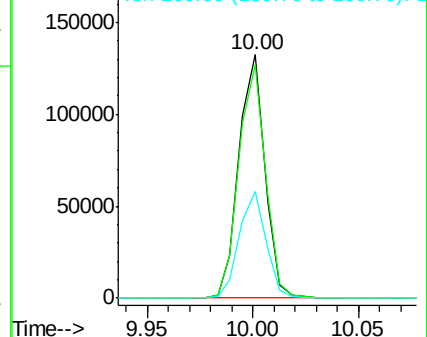
164 100

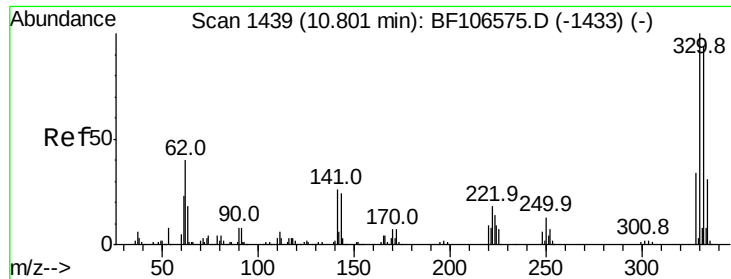
162 95.9 86.1 129.1

160 44.0 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

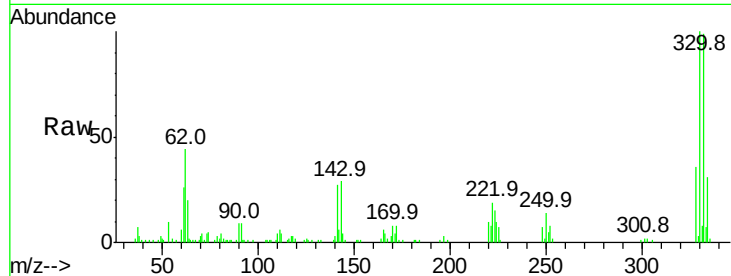




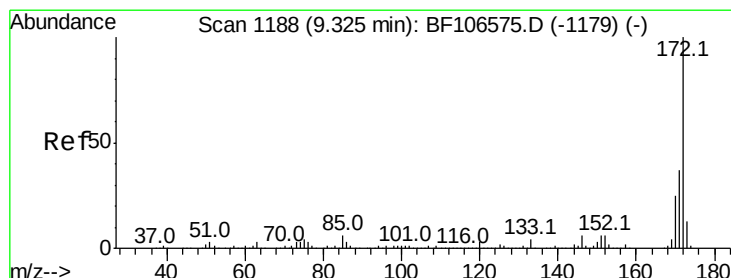
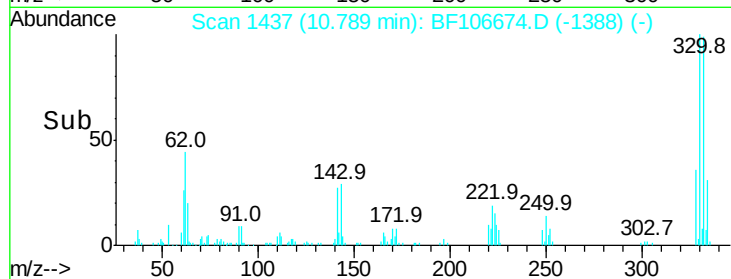
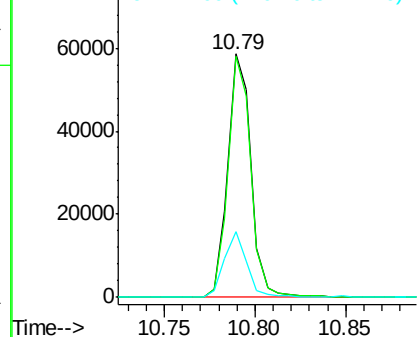
#41
 2,4,6-Tribromophenol
 Concen: 40.344 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 52441
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 26.0 29.9 44.9#

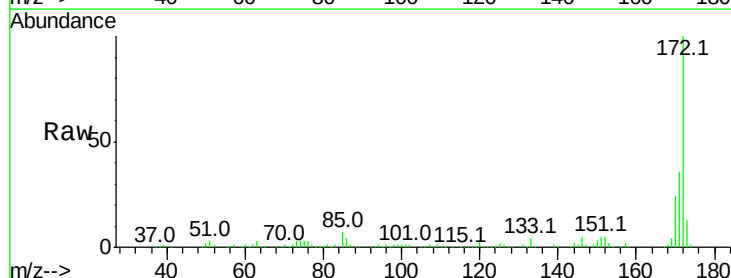


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

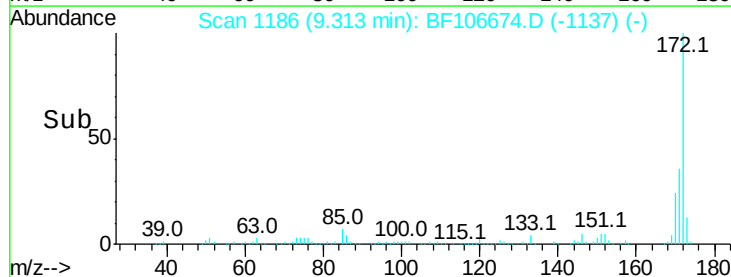
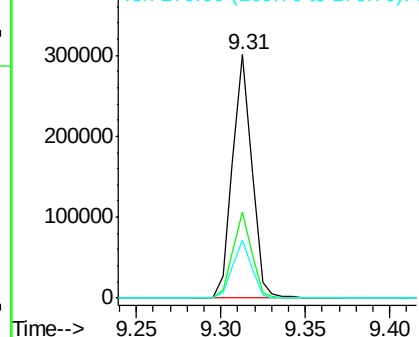


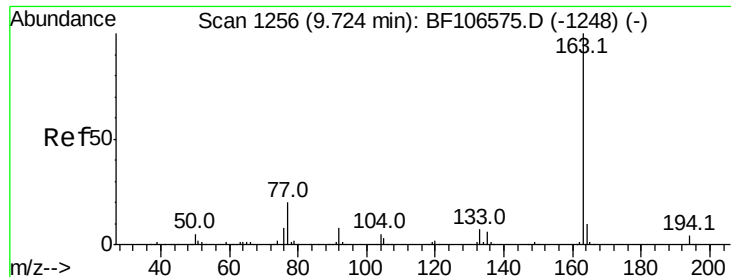
#44
 2-Fluorobiphenyl
 Concen: 26.081 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

Tgt Ion:172 Resp: 240560
 Ion Ratio Lower Upper
 172 100
 171 35.7 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

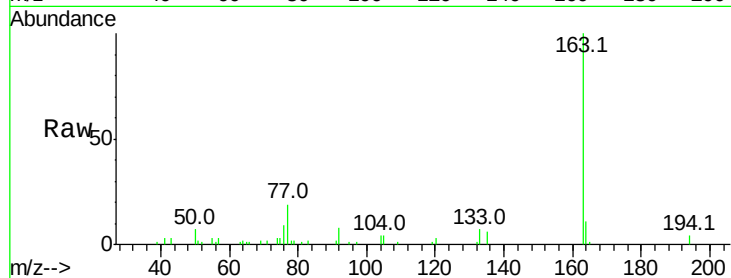




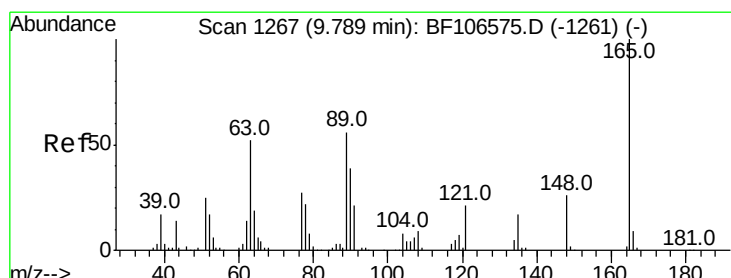
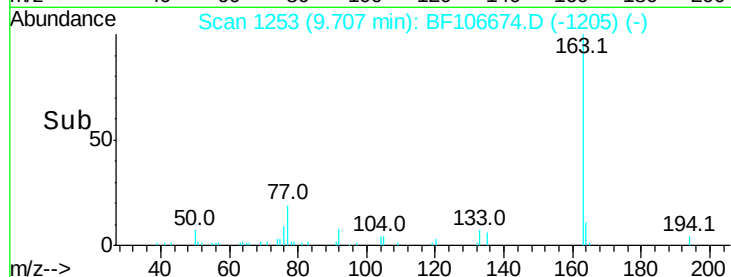
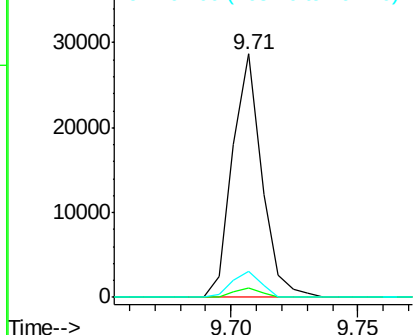
#49
Dimethylphthalate
Concen: 2.742 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 23067
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.5 8.2 12.2

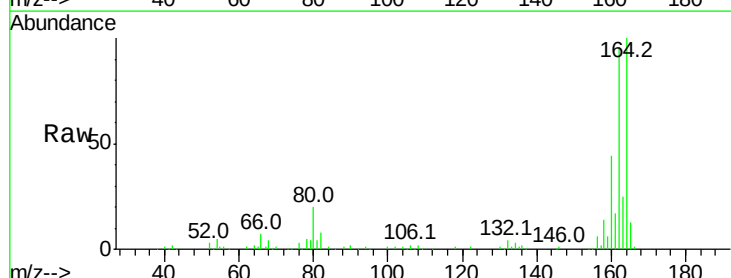


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

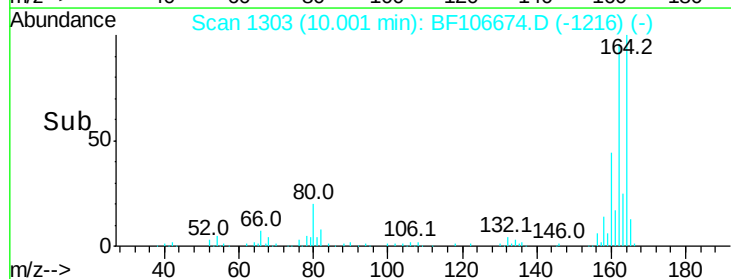
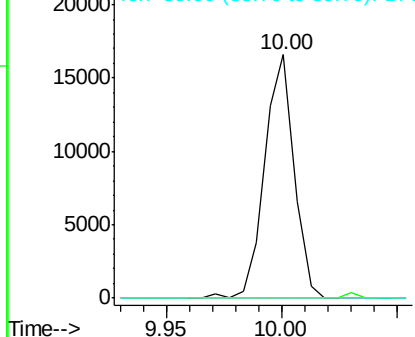


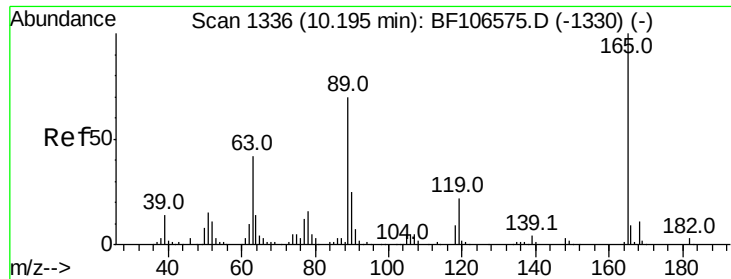
#50
2,6-Dinitrotoluene
Concen: 8.237 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Tgt Ion:165 Resp: 14671
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

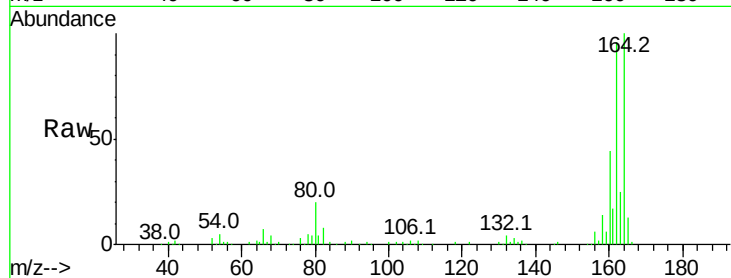




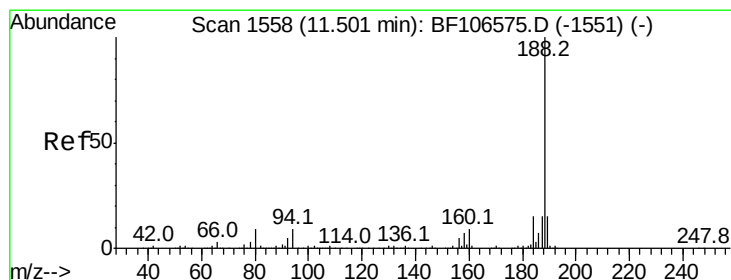
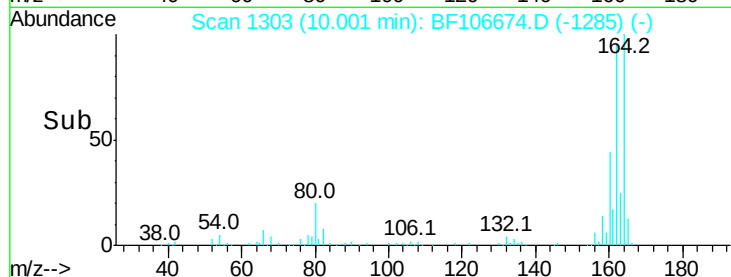
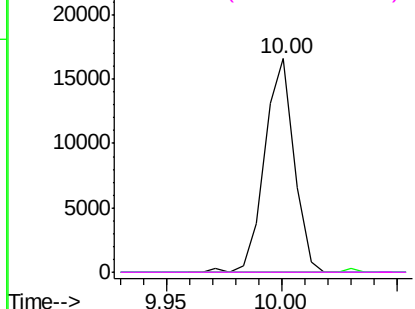
#56
 2,4-Dinitrotoluene
 Concen: 6.310 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 14671
 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#

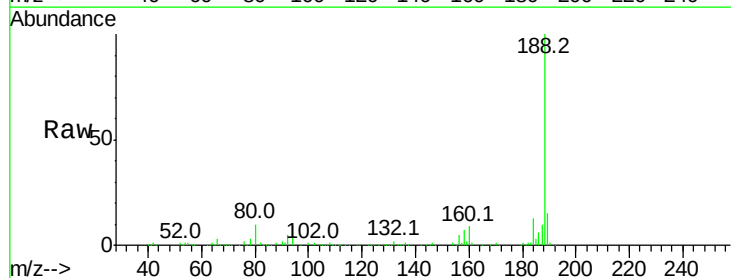


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

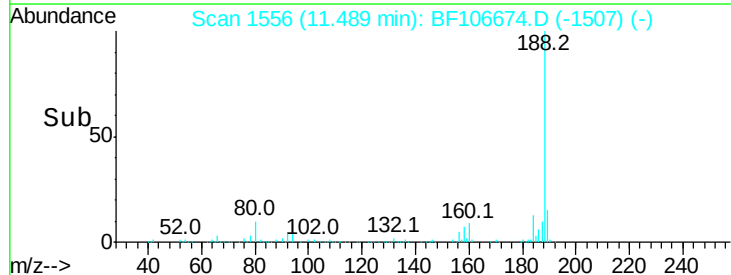
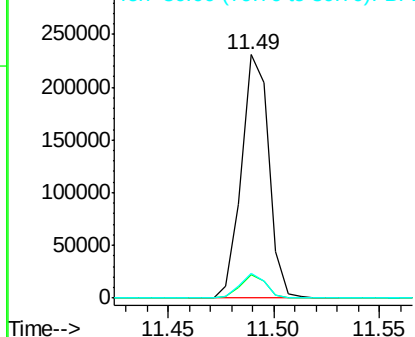


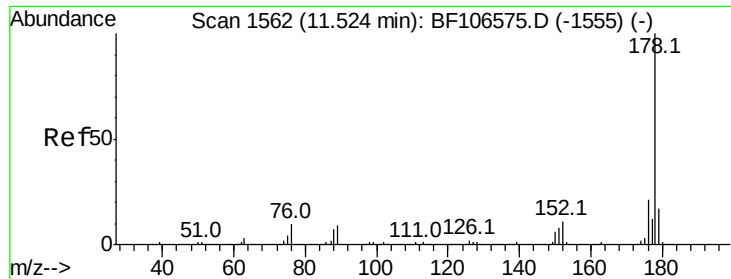
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

Tgt Ion:188 Resp: 207444
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.5 12.7
 80 10.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

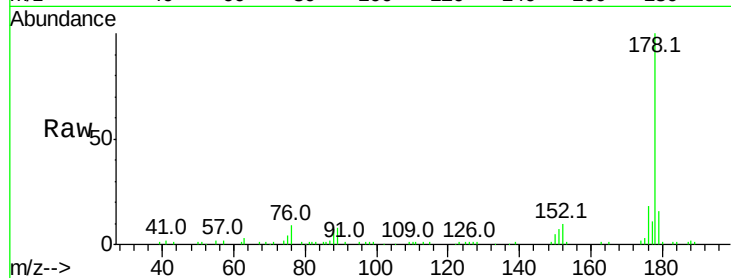




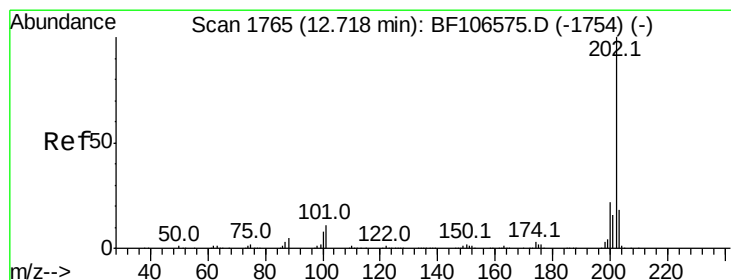
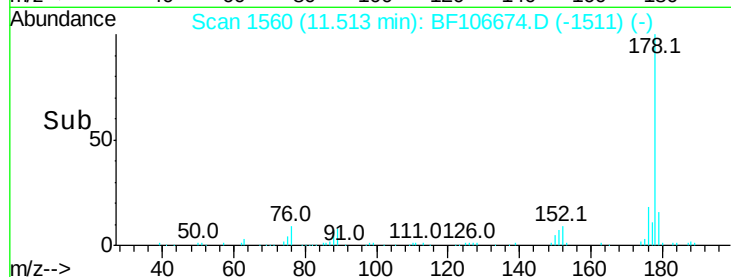
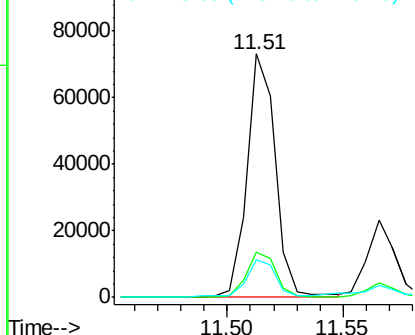
#70
Phenanthrene
Concen: 6.261 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 62645
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.6 13.0 19.6

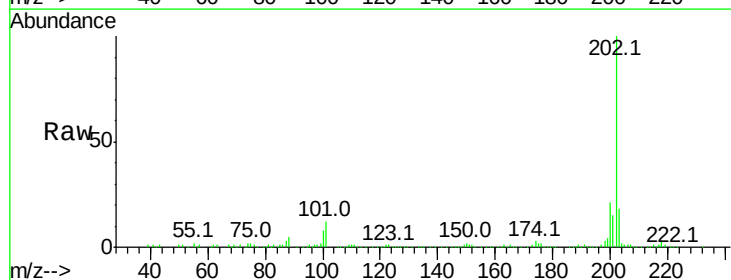


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

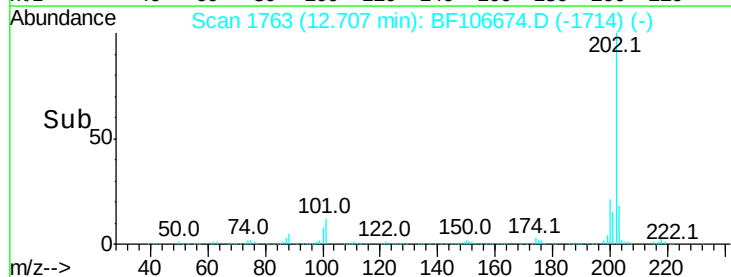
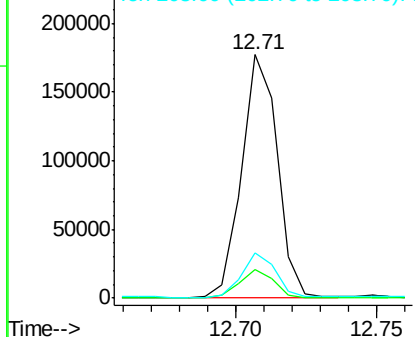


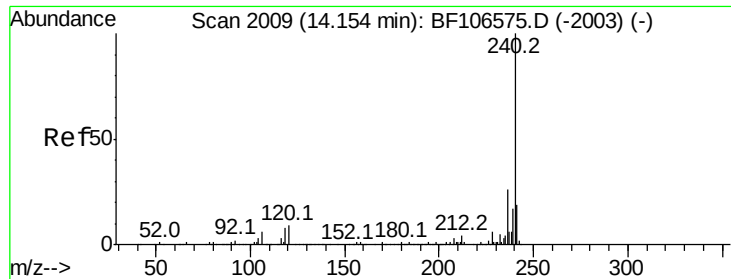
#74
Fluoranthene
Concen: 14.021 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Tgt Ion:202 Resp: 154623
Ion Ratio Lower Upper
202 100
101 11.8 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: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

ClientSampled :

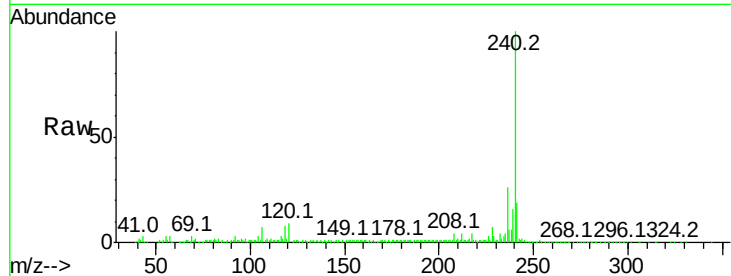
Tot Ion:240 Resp: 196101

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

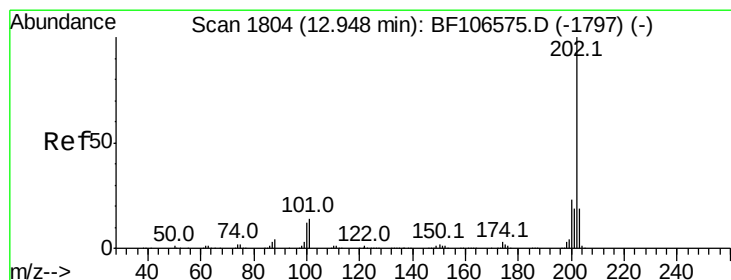
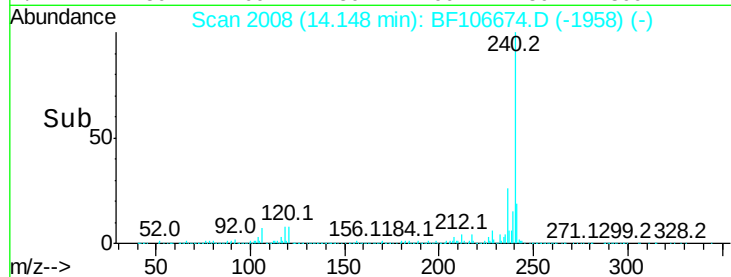
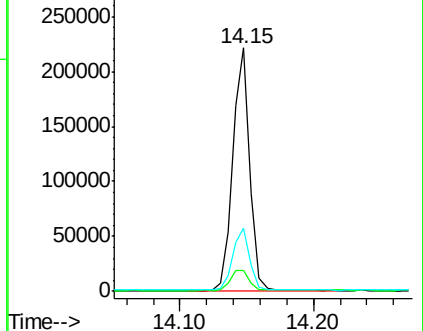
236 25.9 20.7 31.1



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: 13.579 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

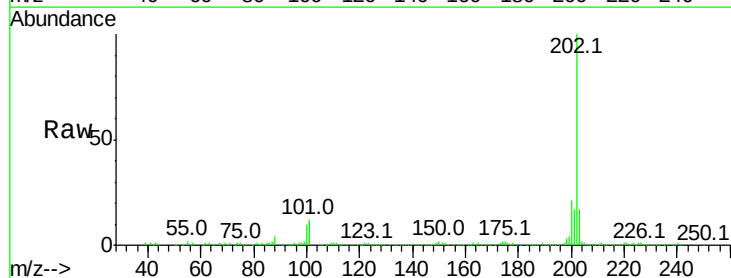
Tgt Ion:202 Resp: 175593

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

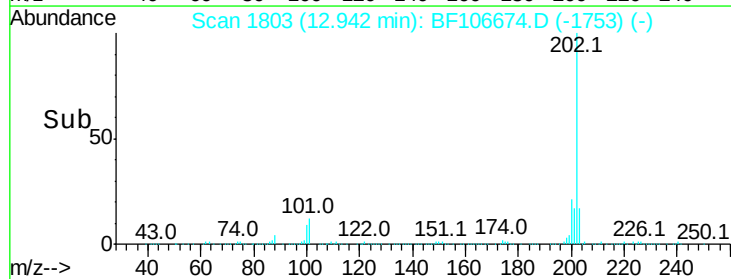
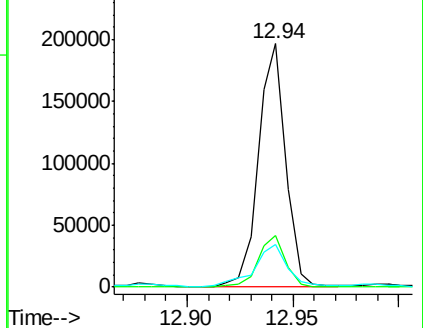
203 17.5 14.3 21.5

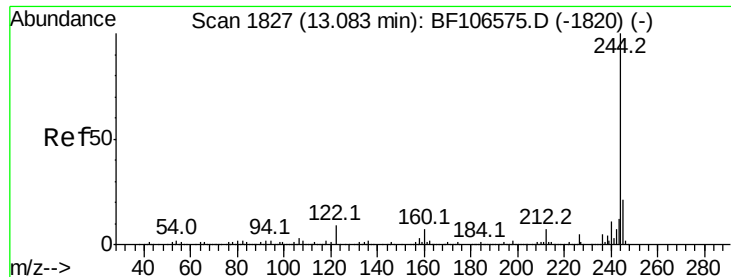


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 33.785 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

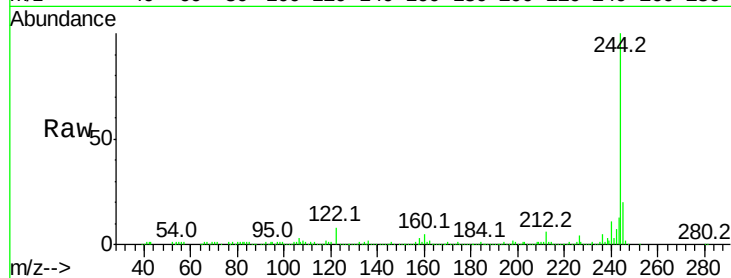
Tot Ion:244 Resp: 273515

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

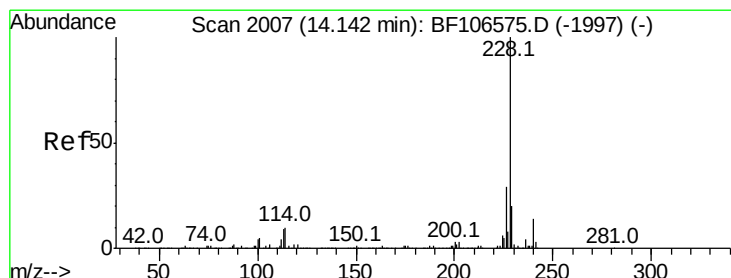
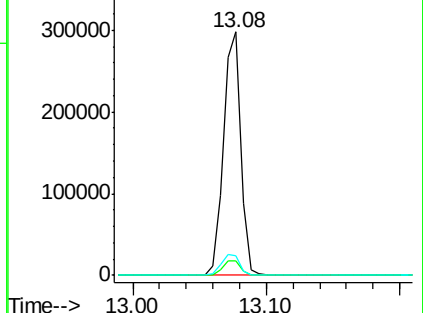
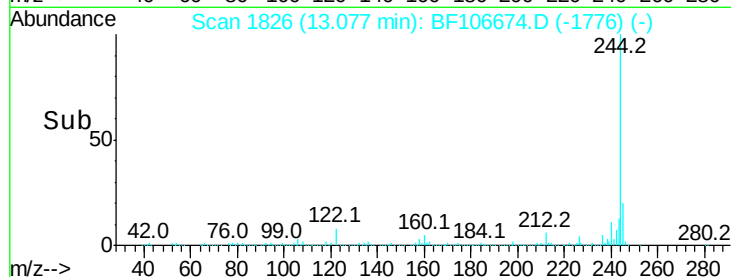
122 8.1 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 7.122 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

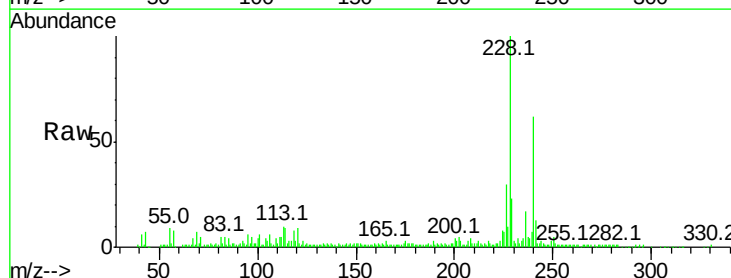
Tgt Ion:228 Resp: 85117

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

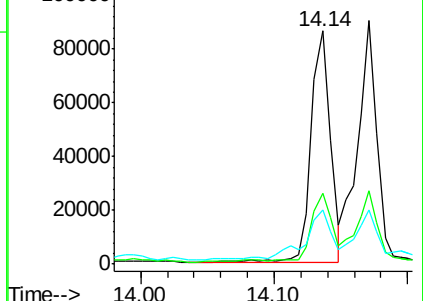
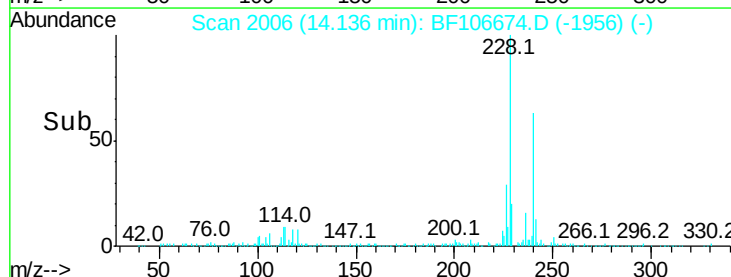
229 23.2 15.8 23.6

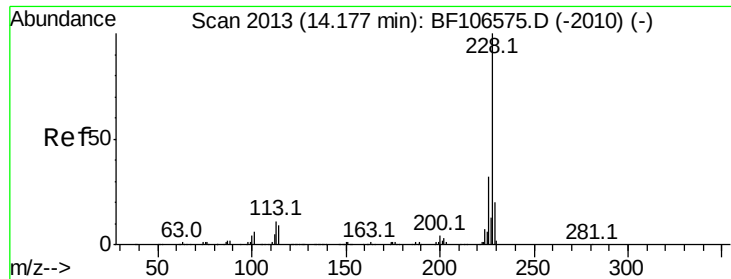


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

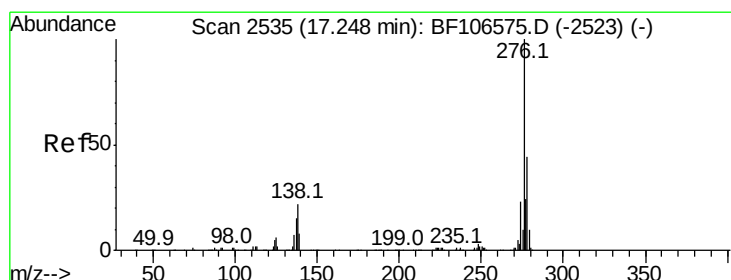
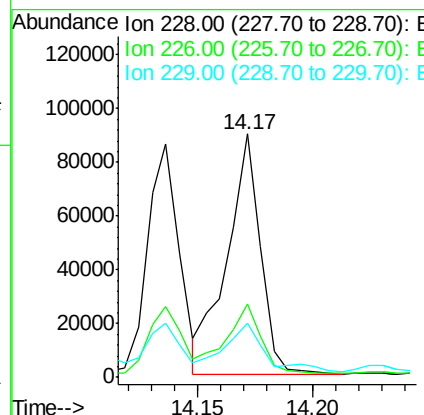
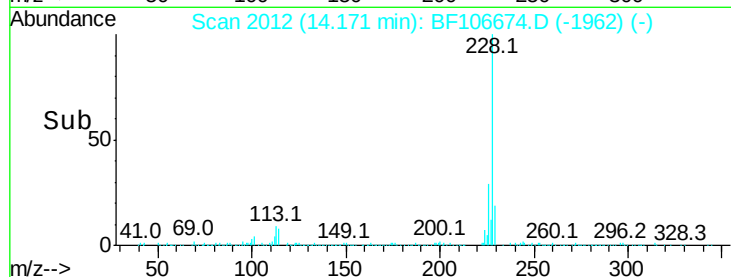
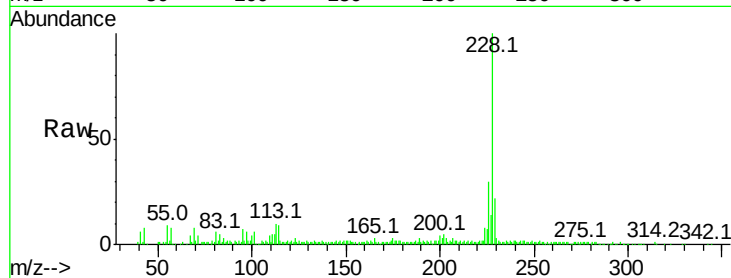




#82
Chrysene
Concen: 8.259 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

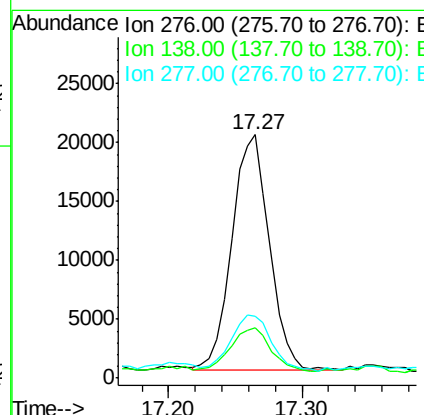
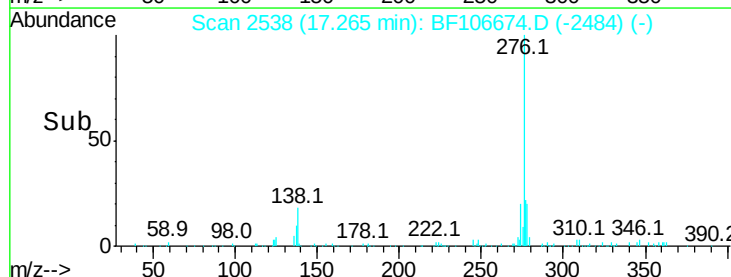
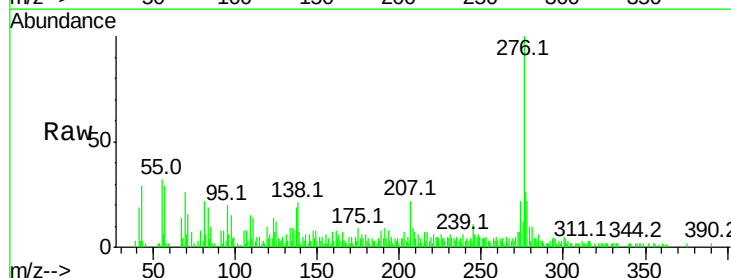
Instrument :
BNA_F
ClientSampleId :

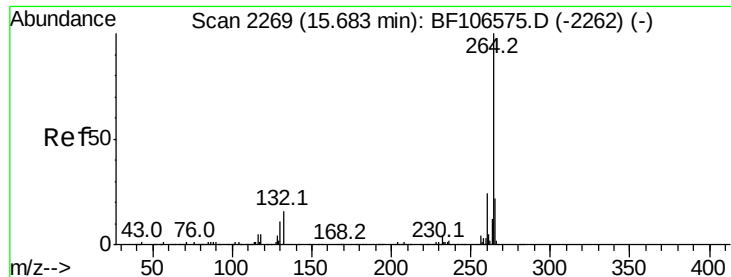
Tot Ion:	228	Resp:	90815
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.4	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.145 ng
RT: 17.27 min Scan# 2538
Delta R.T. 0.02 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Tgt Ion:	276	Resp:	38674
Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	26.1	20.1	30.1



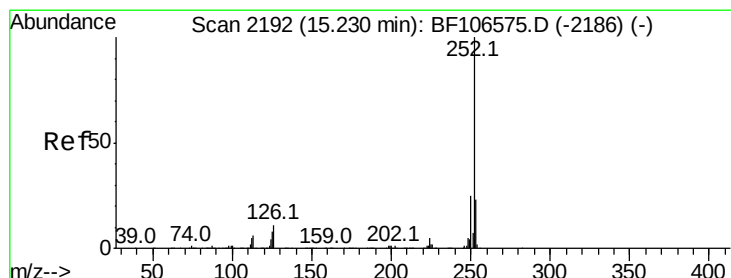
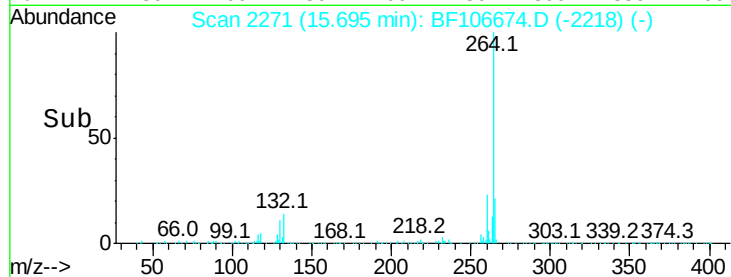
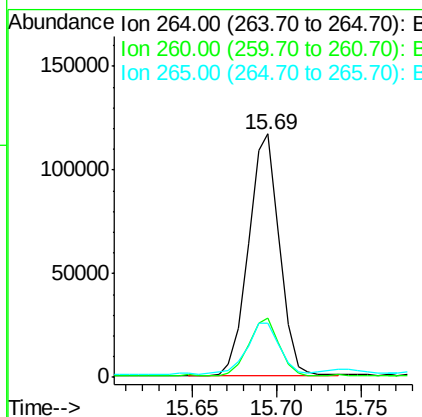
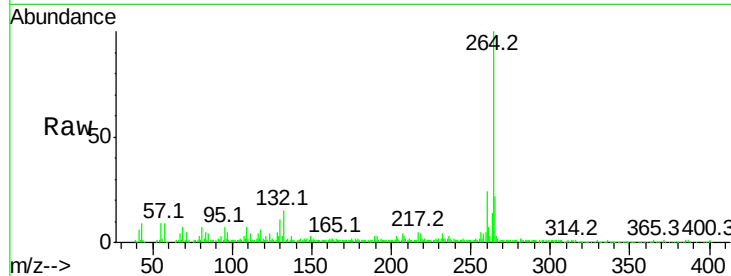


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 148349

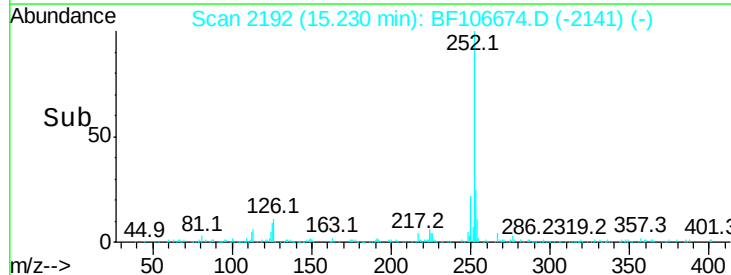
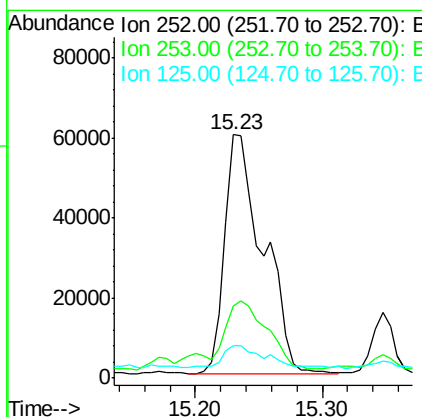
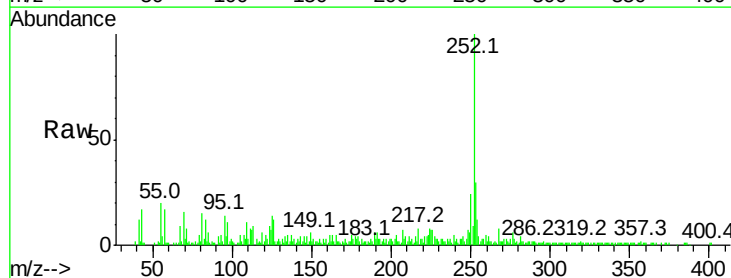
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.3	17.5	26.3

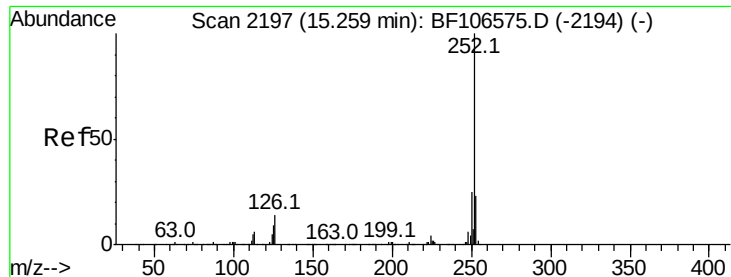


#87
Benzo(b)fluoranthene
Concen: 13.708 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Tgt Ion:252 Resp: 126327

Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.0	25.6#
125	13.5	9.0	13.6

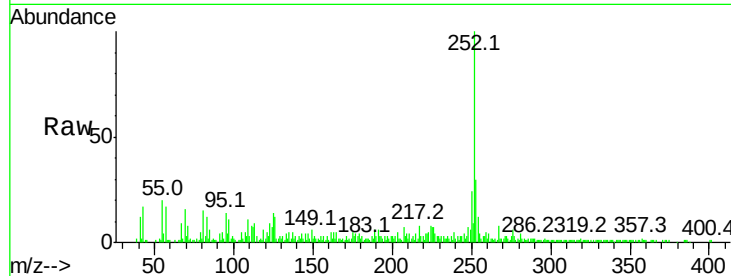




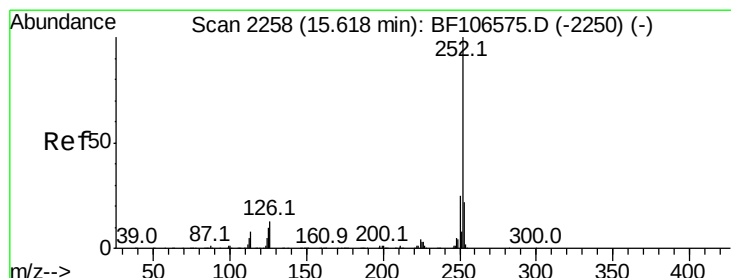
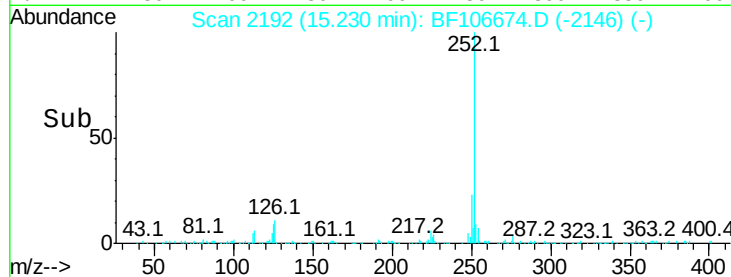
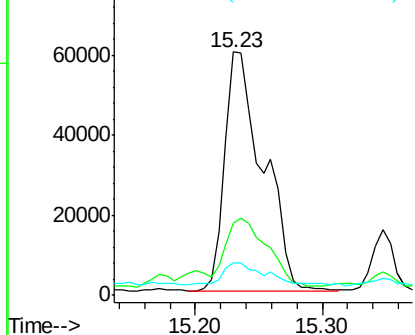
#88
Benzo(k)fluoranthene
Concen: 14.395 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 126327
Ion Ratio Lower Upper
252 100
253 29.7 17.9 26.9#
125 13.5 10.2 15.2

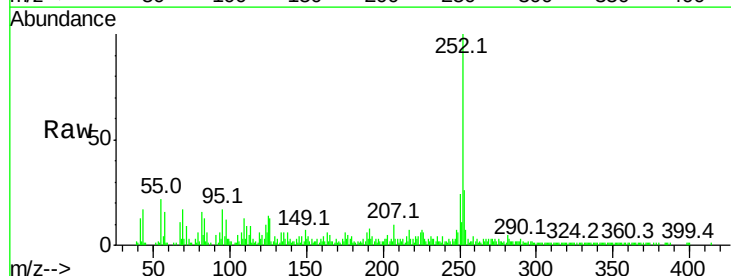


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

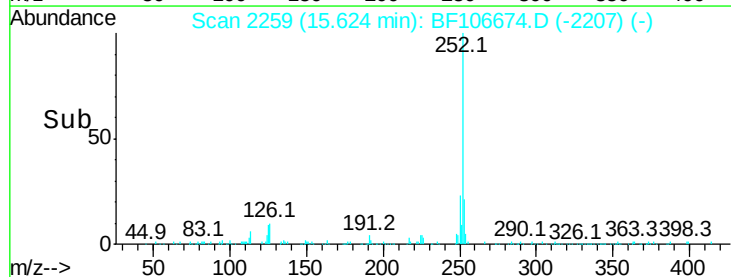
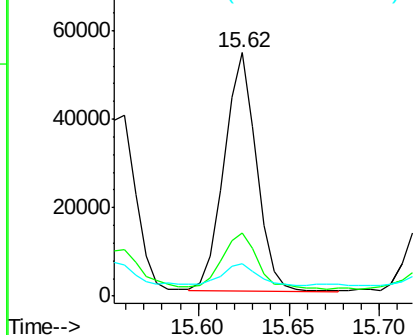


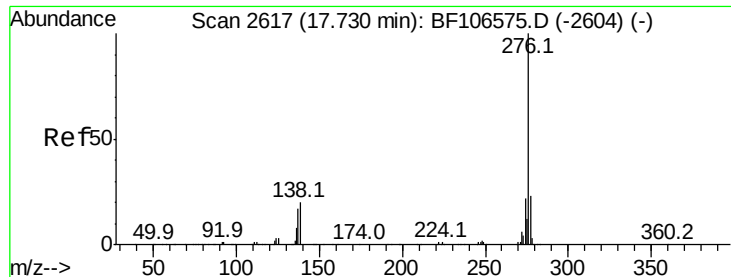
#89
Benzo(a)pyrene
Concen: 8.144 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Tgt Ion:252 Resp: 66715
Ion Ratio Lower Upper
252 100
253 26.0 17.1 25.7#
125 13.6 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

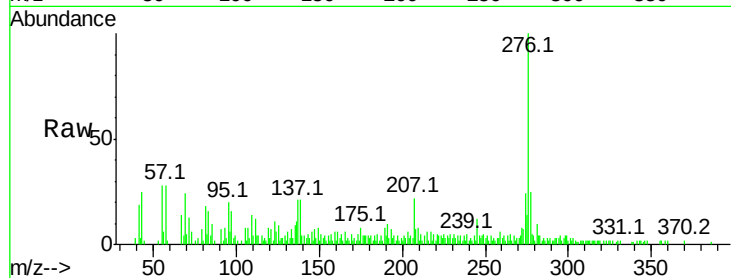




#91
 Benzo(a,h,i)perylene
 Concen: 6.804 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. 0.01 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	20.9	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

