

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106680.D
 Acq On : 22 Jun 2018 00:02
 Operator : JU/SJ
 Sample : J3245-11 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 03:25:21 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

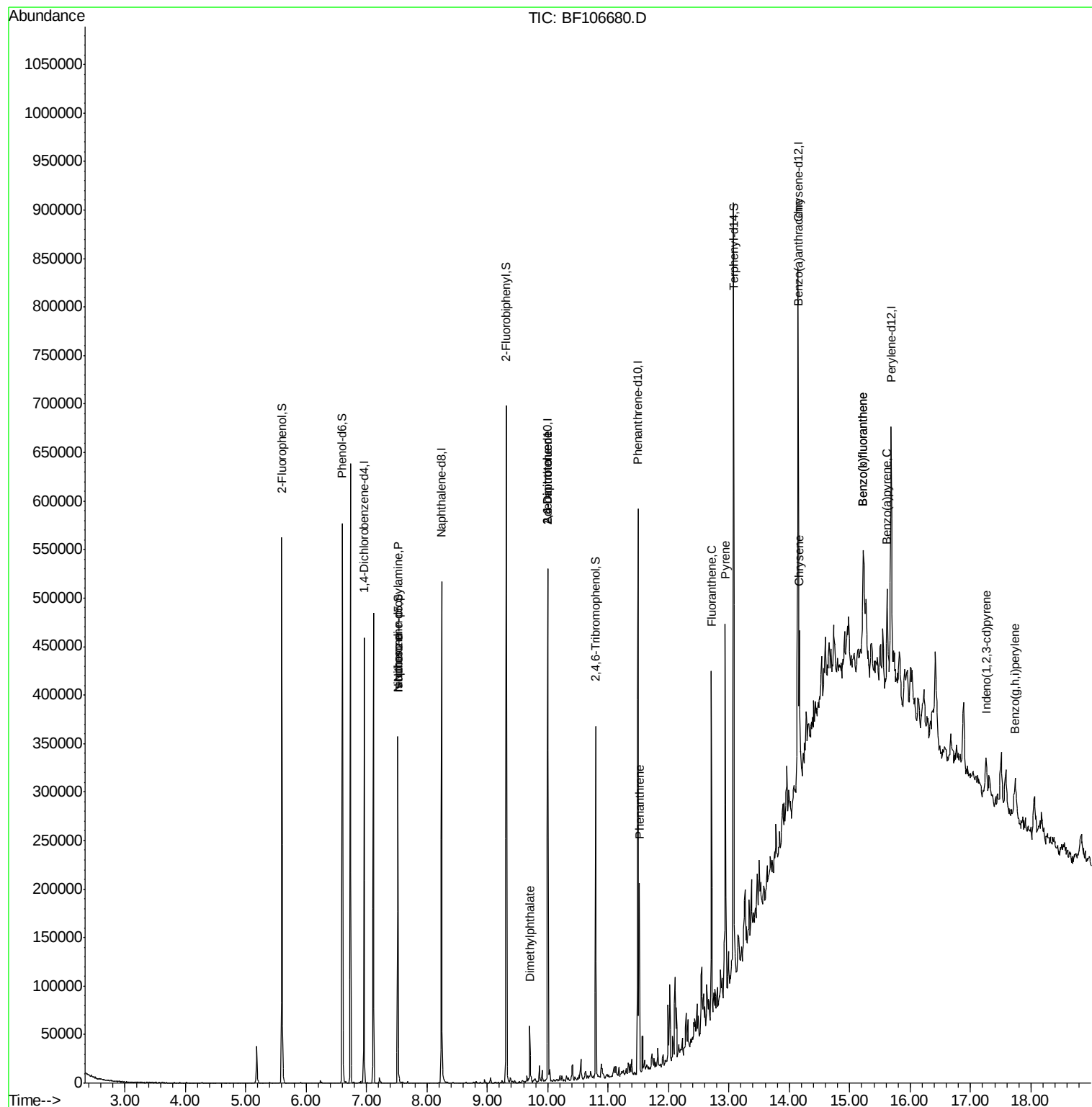
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	59679	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	219231	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	100309	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	201148	20.00	ng	0.00
75) Chrysene-d12	14.15	240	176941	20.00	ng	0.00
86) Perylene-d12	15.69	264	124747	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	151851	43.09	ng	0.00
7) Phenol-d6	6.60	99	182560	41.48	ng	0.00
23) Nitrobenzene-d5	7.52	82	107831	27.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	47744	41.07	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	206953	24.41	ng	-0.01
78) Terphenyl-d14	13.08	244	265738	36.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	13527	4.663	ng	# 77
25) Isophorone	7.52	82	107829	15.512	ng	# 64
49) Dimethylphthalate	9.71	163	20584	2.736	ng	# 97
50) 2,6-Dinitrotoluene	10.00	165	12928	8.115	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	12928	6.217	ng	# 21
70) Phenanthrene	11.52	178	69978	7.213	ng	98
74) Fluoranthene	12.71	202	131684	12.315	ng	96
77) Pyrene	12.94	202	149999	12.856	ng	99
80) Benzo(a)anthracene	14.14	228	61262	5.681	ng	95
82) Chrysene	14.17	228	59208	5.968	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	25845	3.070	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	77305	9.976	ng	# 73
88) Benzo(k)fluoranthene	15.23	252	77305	10.476	ng	# 77
89) Benzo(a)pyrene	15.62	252	43067	6.252	ng	# 91
91) Benzo(a,h,i)perylene	17.74	276	31647	5.546	ng	# 89

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

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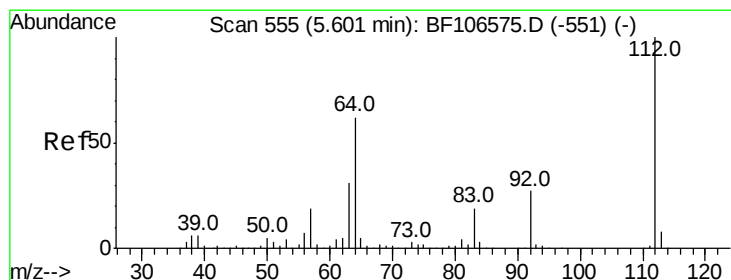
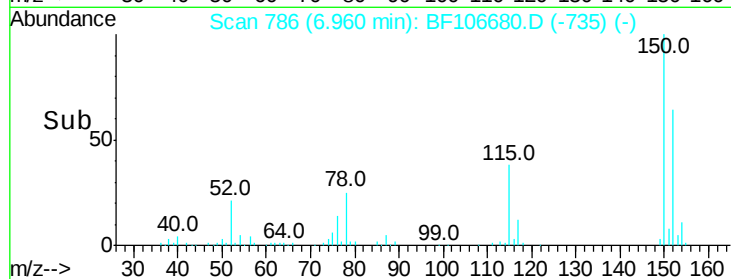
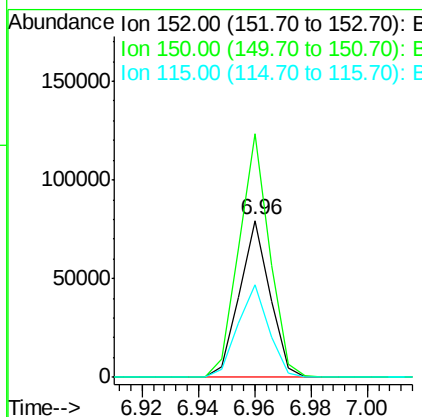
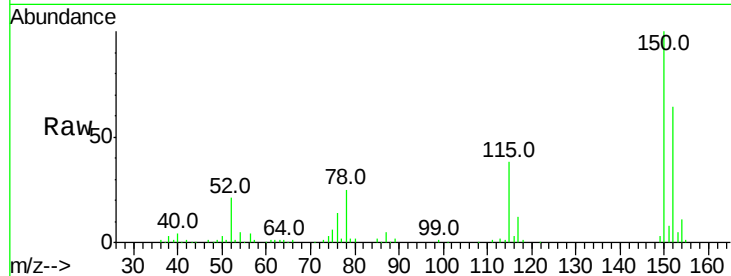


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Instrument :
BNA_F
ClientSampleId :

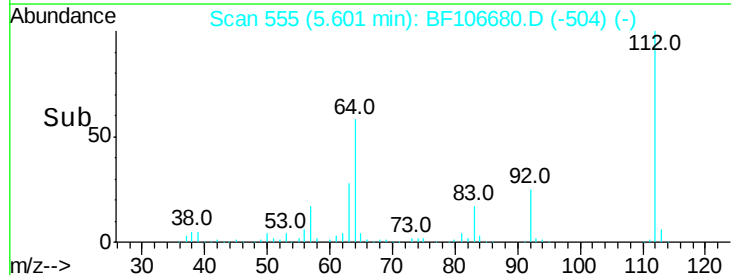
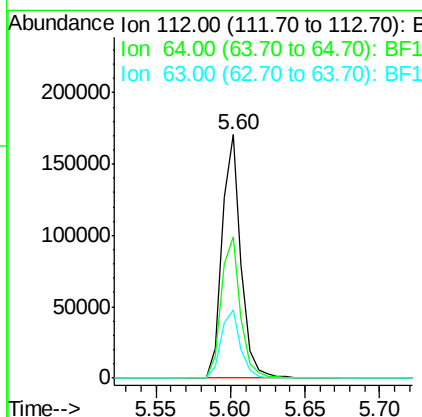
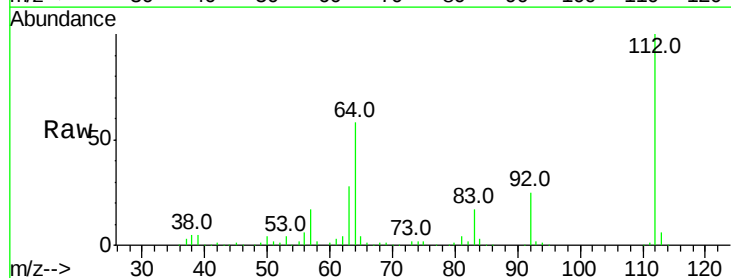
Tot Ion:152 Resp: 59679
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 59.4 50.1 75.1



#5

2-Fluorophenol
Concen: 43.086 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Tgt Ion:112 Resp: 151851
Ion Ratio Lower Upper
112 100
64 57.9 47.9 71.9
63 28.2 23.7 35.5





#7

Phenol-d6

Concen: 41.479 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

ClientSampleId :

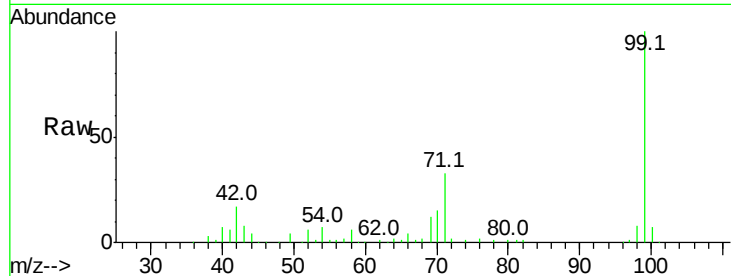
Tot Ion: 99 Resp: 182560

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

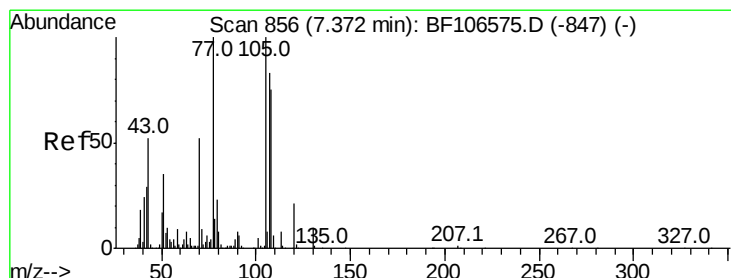
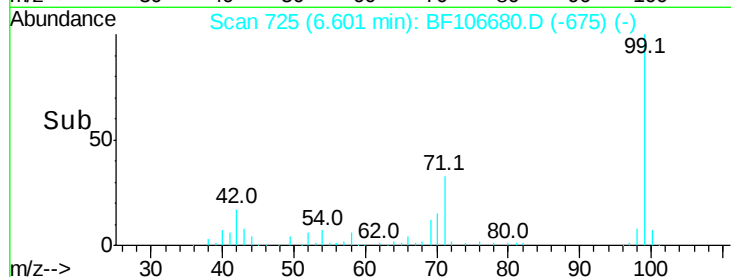
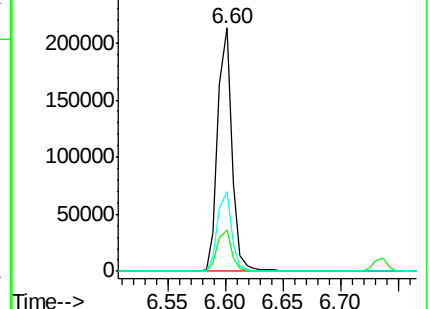
71 33.0 25.4 38.0



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: 4.663 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Tgt Ion: 70 Resp: 13527

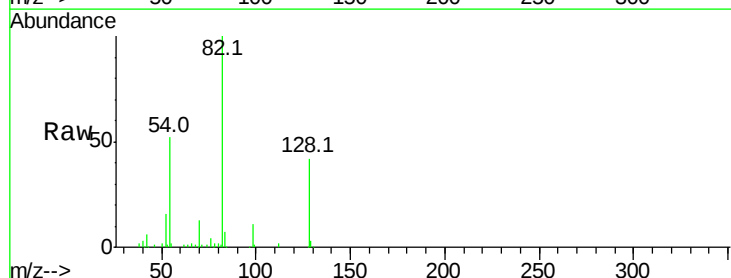
Ion Ratio Lower Upper

70 100

42 46.7 47.5 71.3#

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#

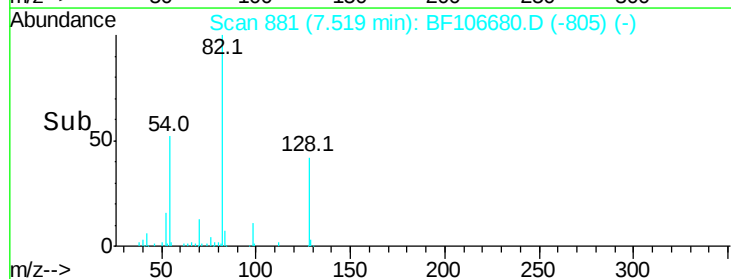
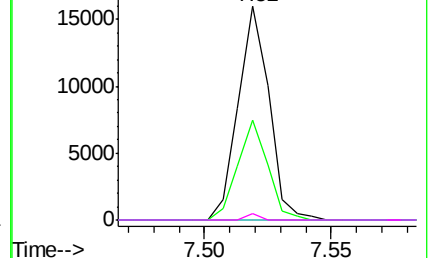


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 219231

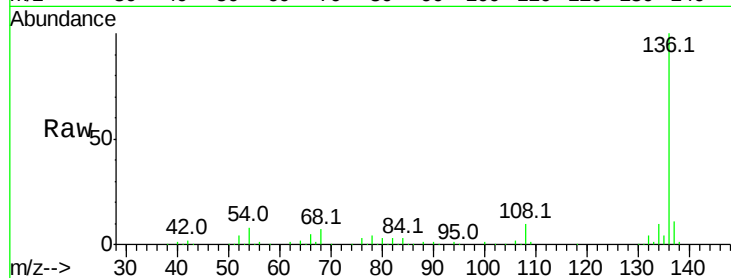
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.2 6.6 9.8

68 6.7 5.0 7.4

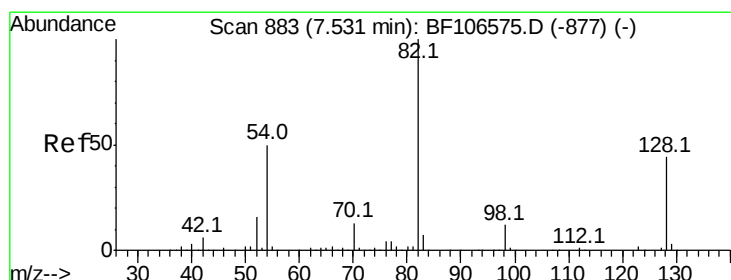
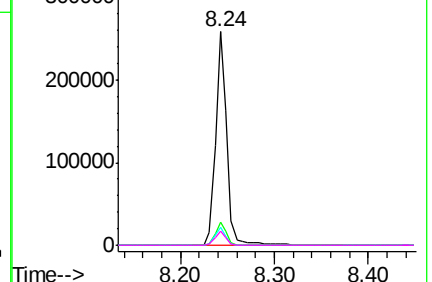
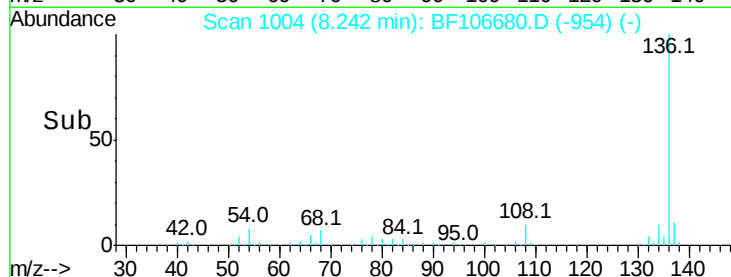


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 27.334 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

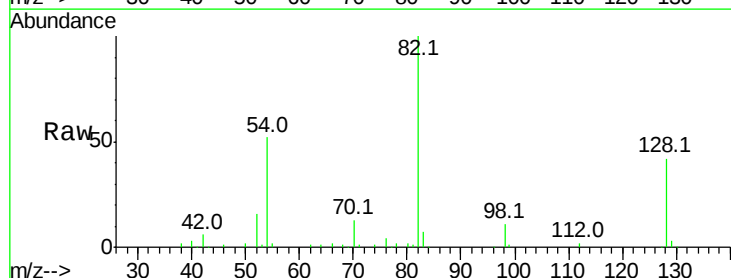
Tgt Ion: 82 Resp: 107831

Ion Ratio Lower Upper

82 100

128 42.4 36.1 54.1

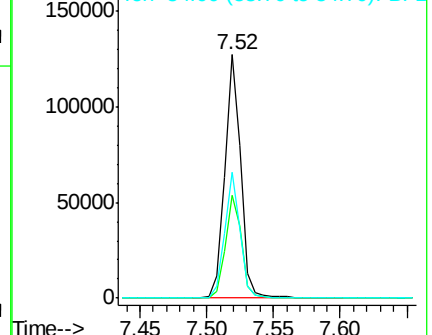
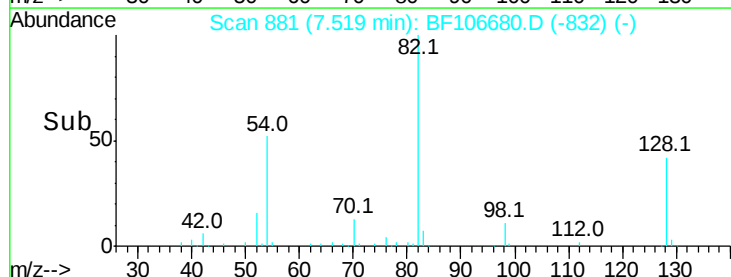
54 51.7 41.4 62.2

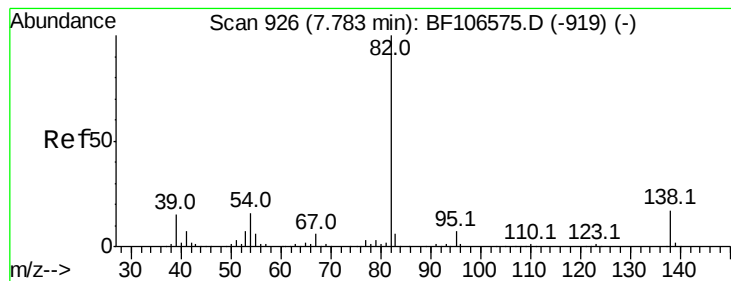


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.512 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

ClientSampleId :

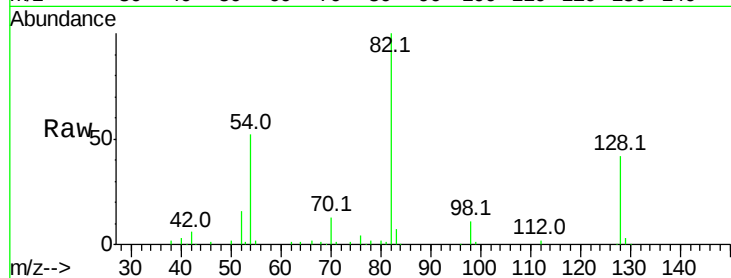
Tot Ion: 82 Resp: 107829

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

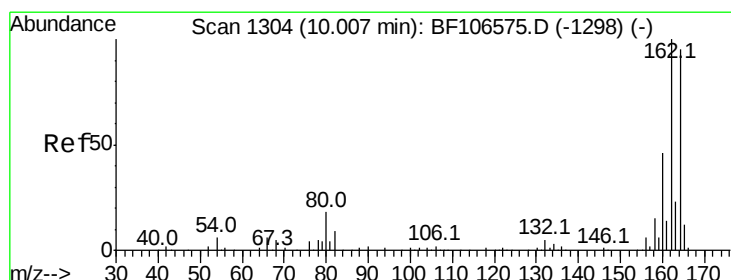
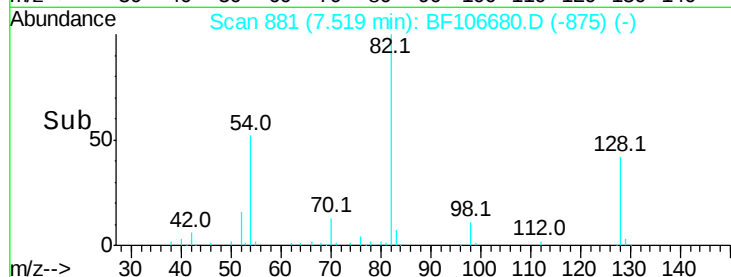
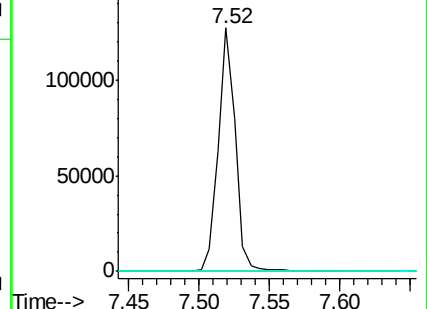
138 0.0 14.9 22.3#



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: BF106680.D

Acq: 22 Jun 2018 00:02

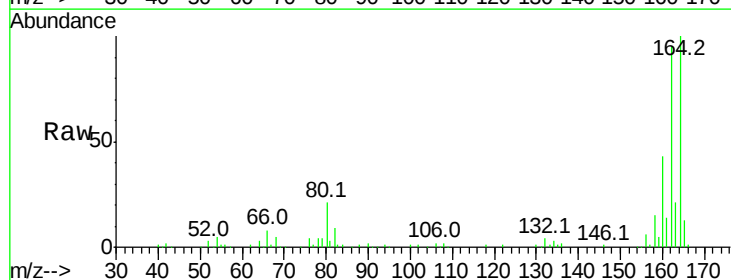
Tgt Ion:164 Resp: 100309

Ion Ratio Lower Upper

164 100

162 95.3 86.1 129.1

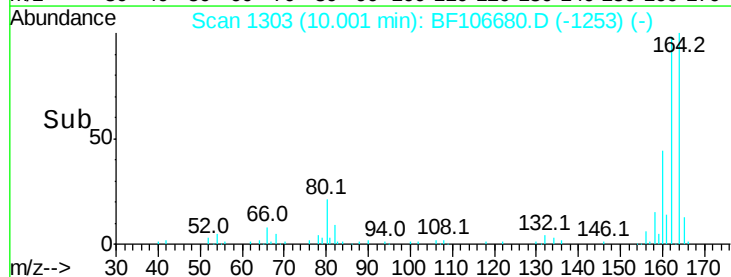
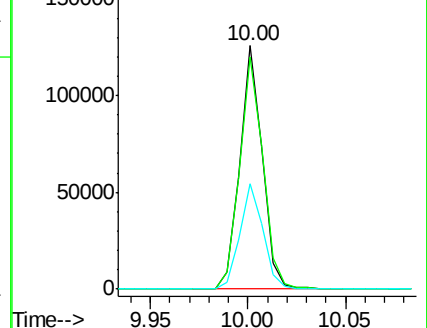
160 43.4 38.3 57.5



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

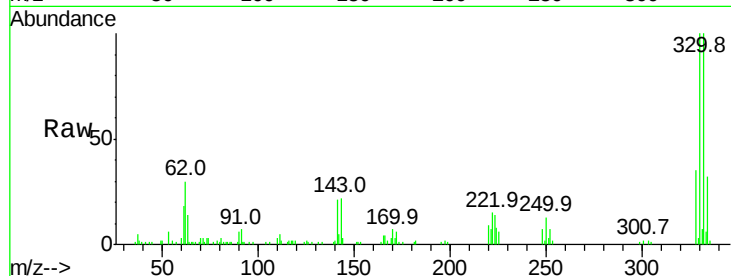




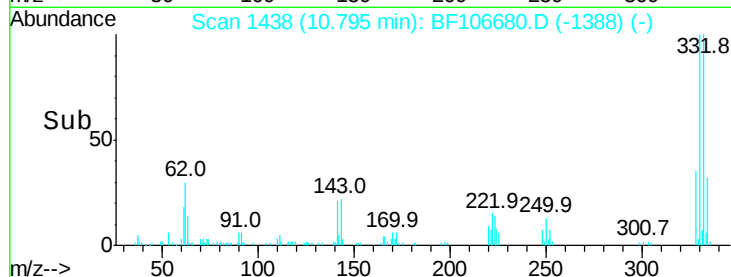
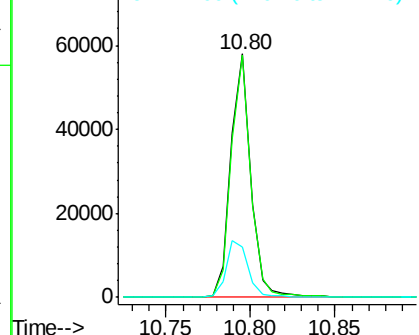
#41
 2,4,6-Tribromophenol
 Concen: 41.066 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	25.7	29.9	44.9#

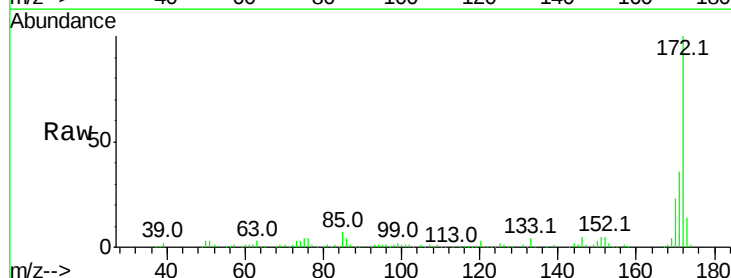


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

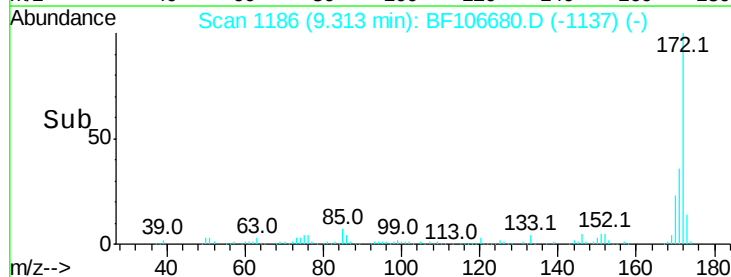
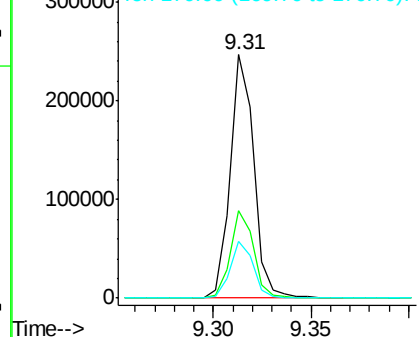


#44
 2-Fluorobiphenyl
 Concen: 24.406 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.3	19.6	29.4



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

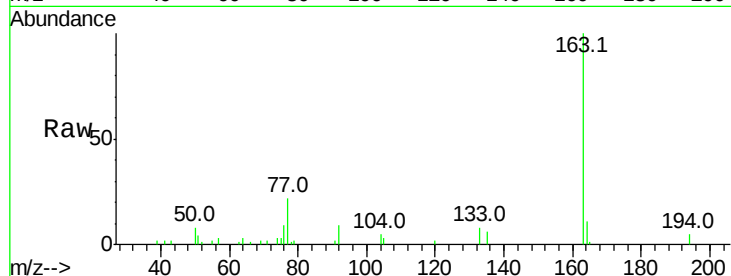




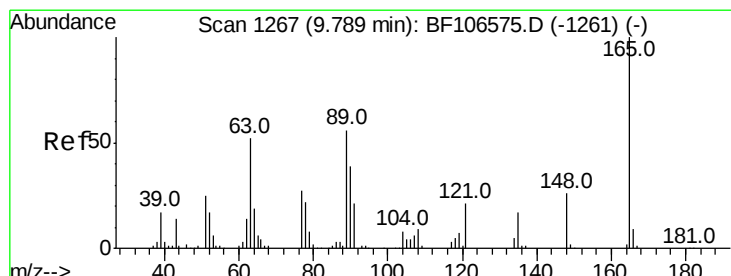
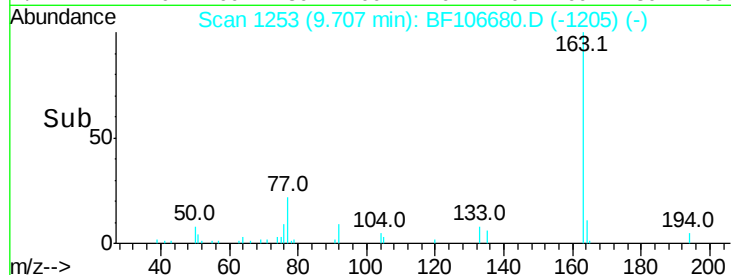
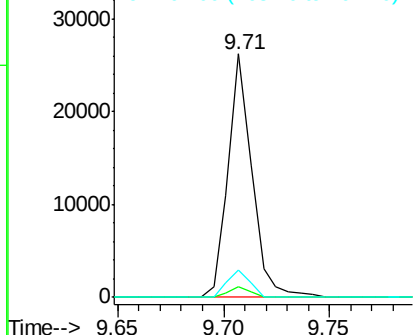
#49
Dimethylphthalate
Concen: 2.736 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 20584
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 11.1 8.2 12.2

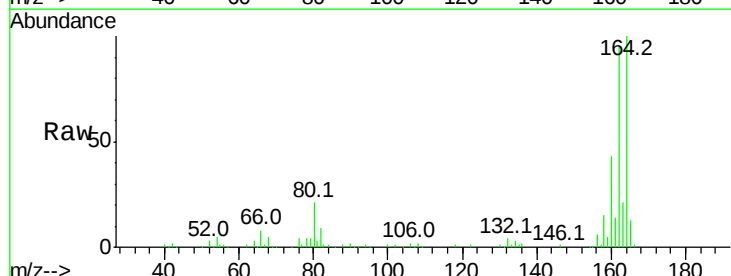


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

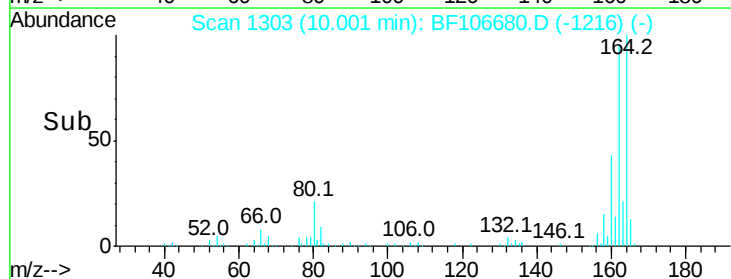
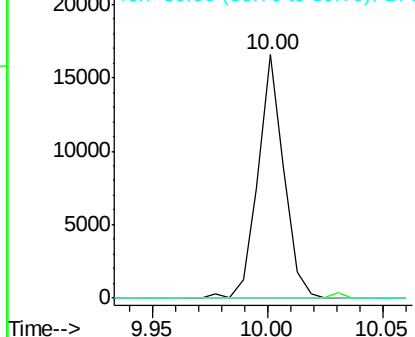


#50
2,6-Dinitrotoluene
Concen: 8.115 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Tgt Ion:165 Resp: 12928
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

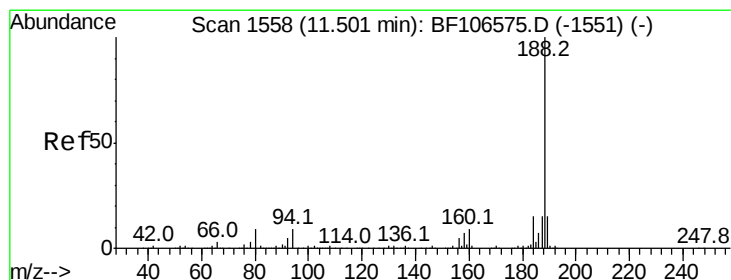
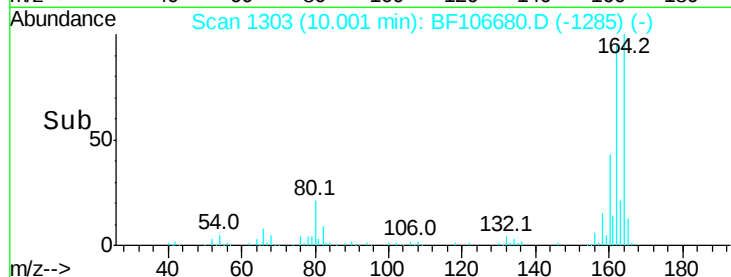
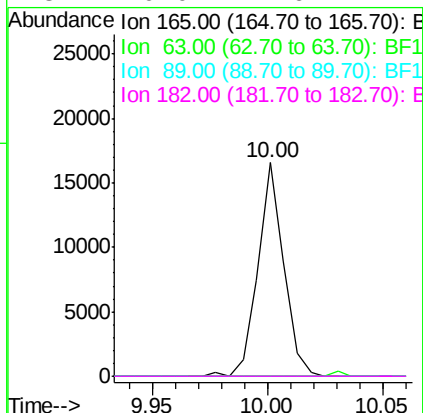
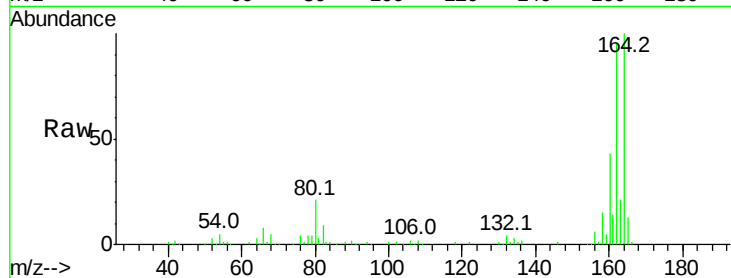




#56
2,4-Dinitrotoluene
Concen: 6.217 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

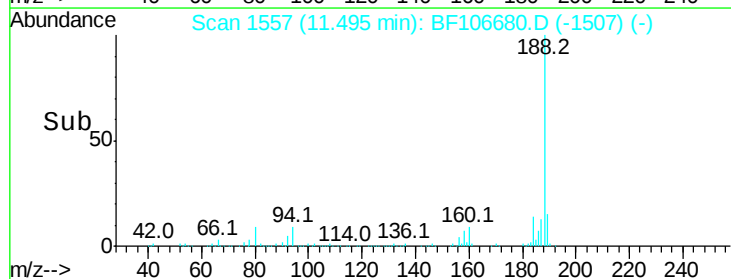
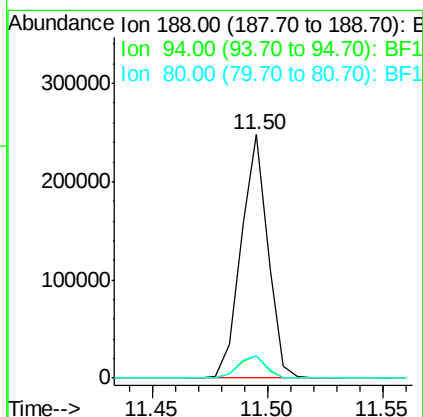
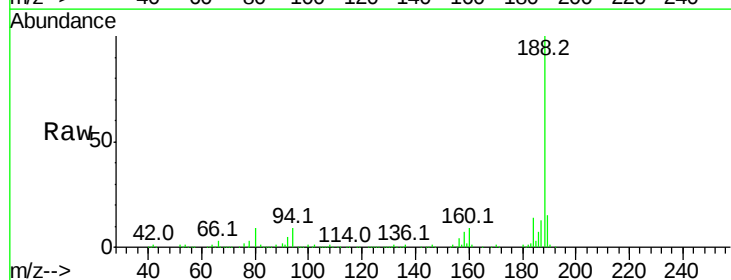
Instrument :
BNA_F
ClientSampleId :

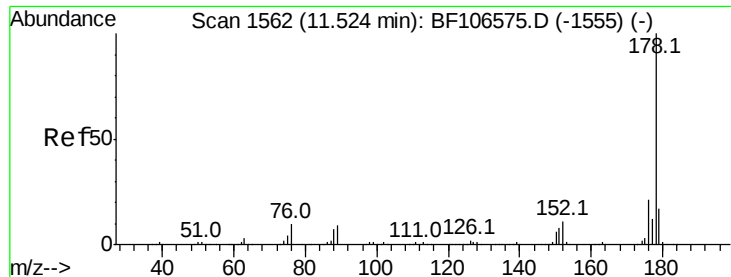
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.3	9.2	13.8

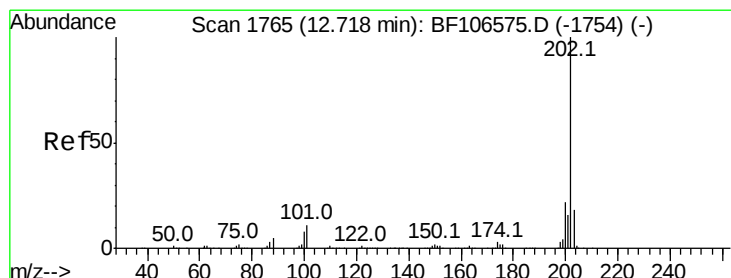
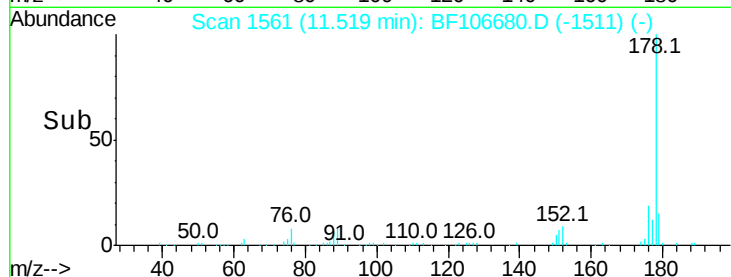
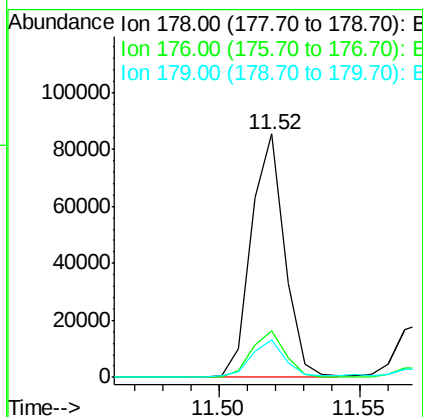
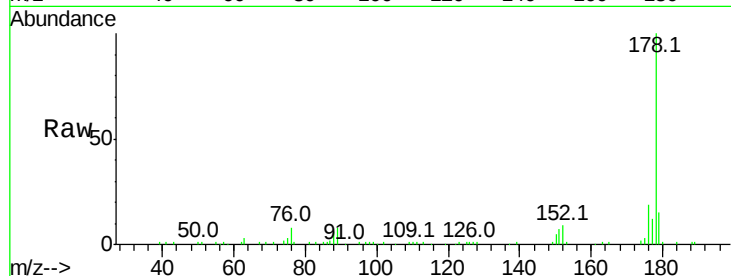




#70
 Phenanthrene
 Concen: 7.213 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

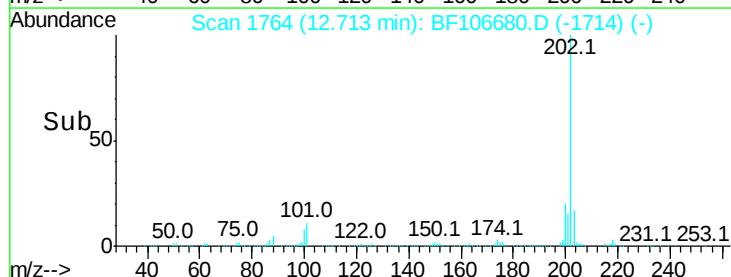
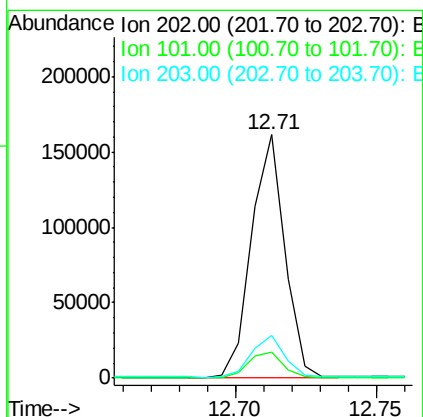
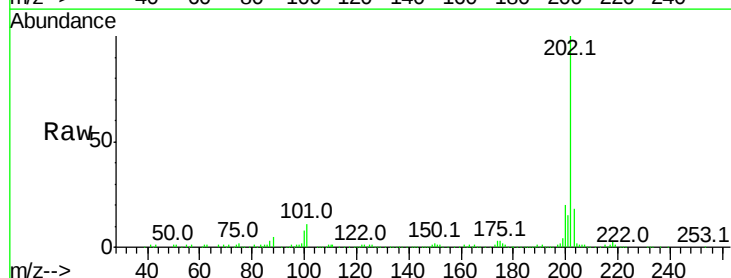
Instrument :
 BNA_F
 ClientSampled :

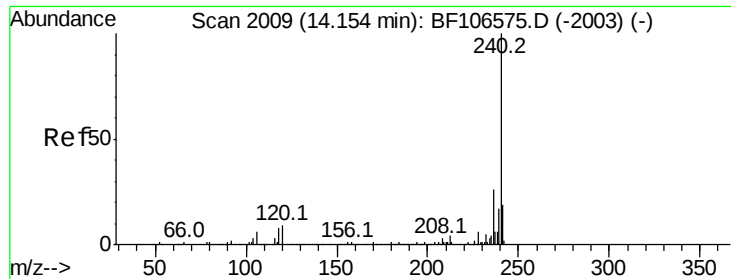
Tot Ion:178 Resp: 69978
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.2 13.0 19.6



#74
 Fluoranthene
 Concen: 12.315 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

Tgt Ion:202 Resp: 131684
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 34.1
 203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

ClientSampled :

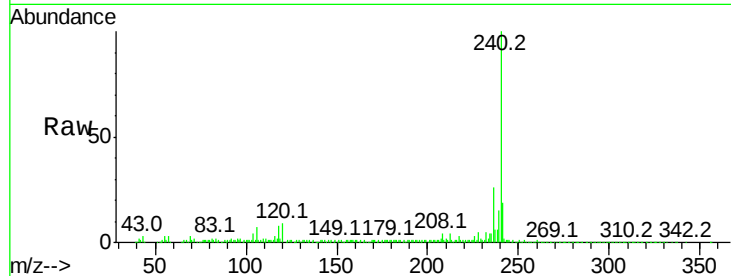
Tot Ion:240 Resp: 176941

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

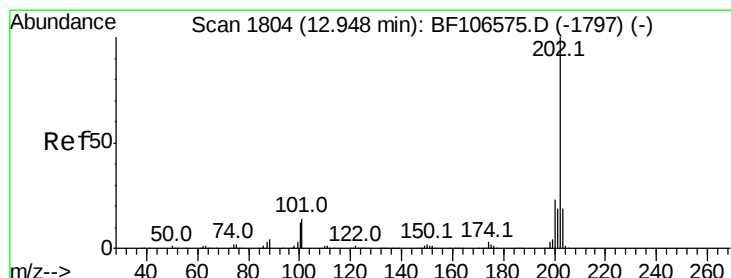
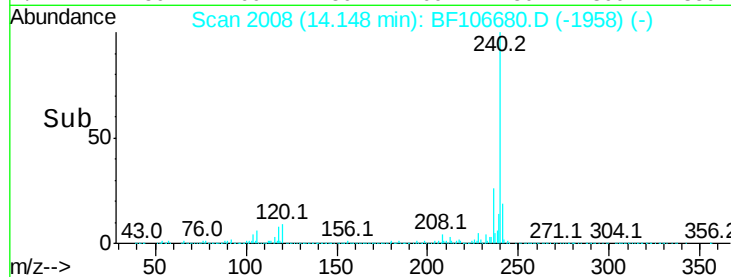
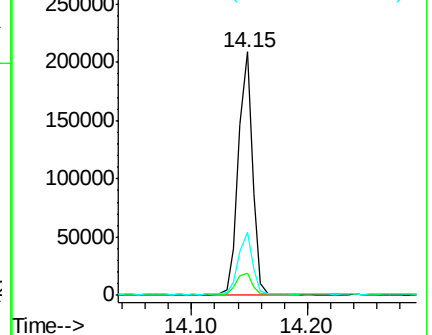
236 26.0 20.7 31.1



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: 12.856 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

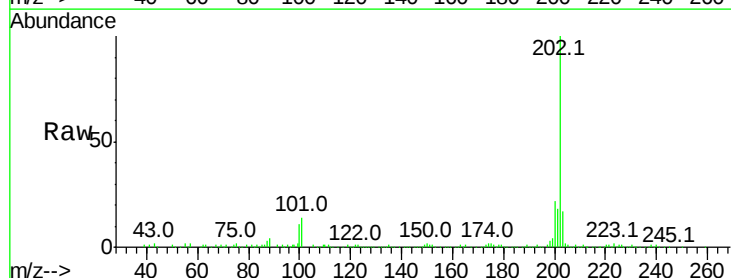
Tgt Ion:202 Resp: 149999

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

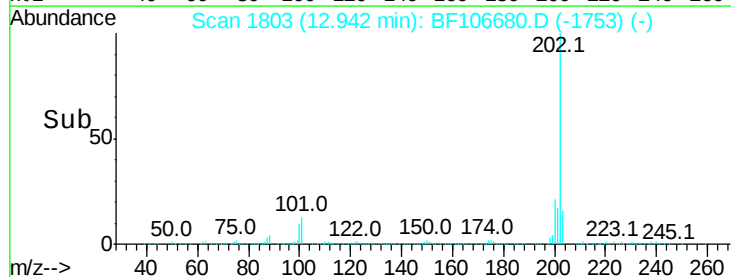
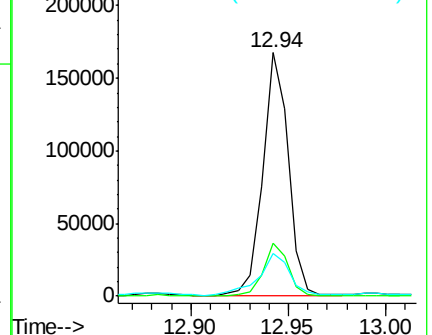
203 17.4 14.3 21.5

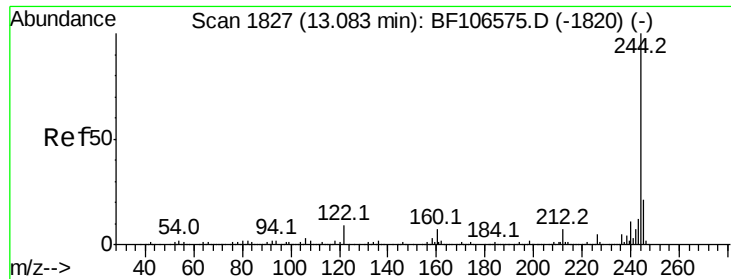


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

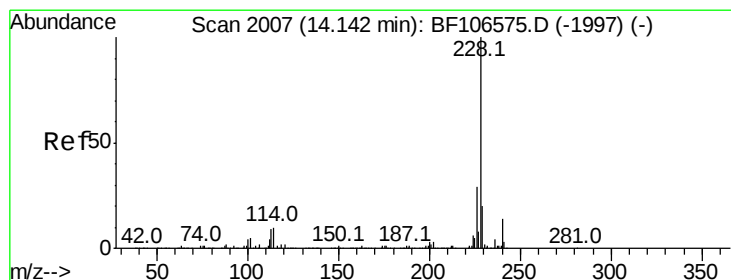
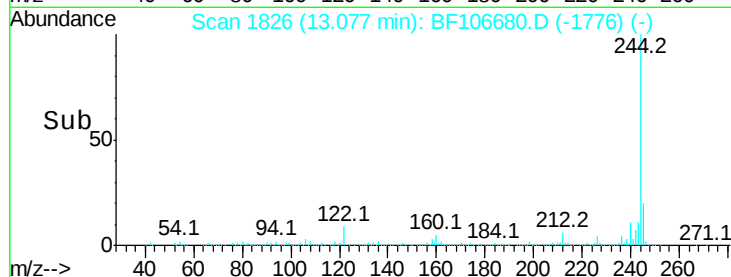
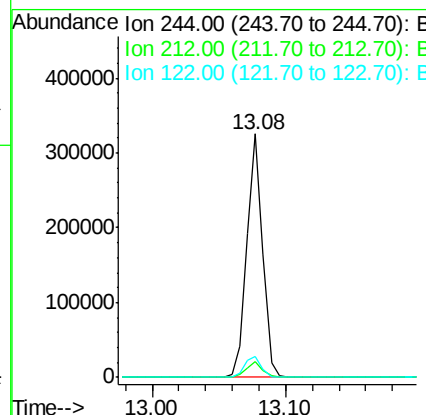
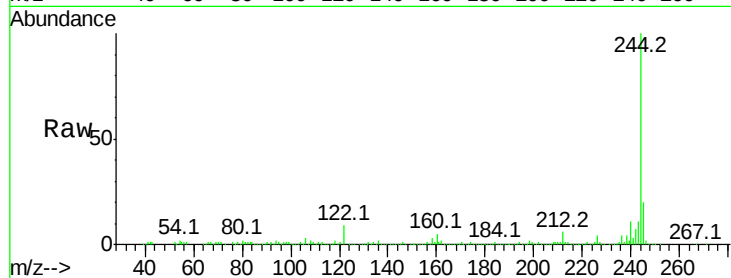




#78
 Terphenyl-d14
 Concen: 36.379 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

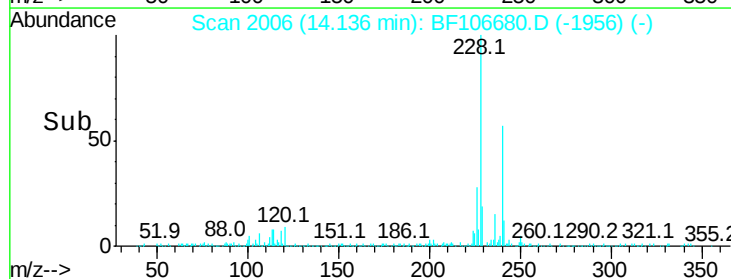
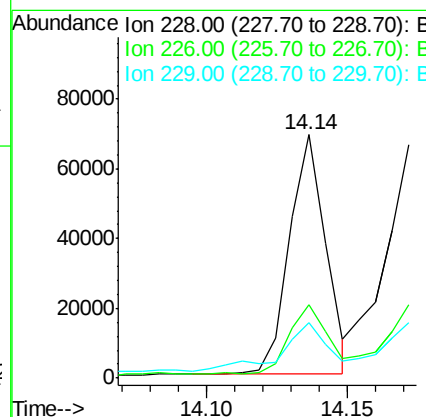
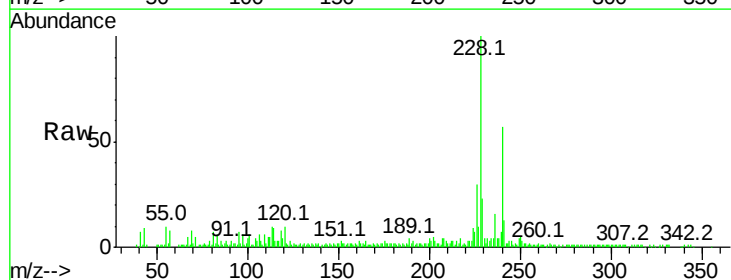
Instrument :
 BNA_F
 ClientSampleId :

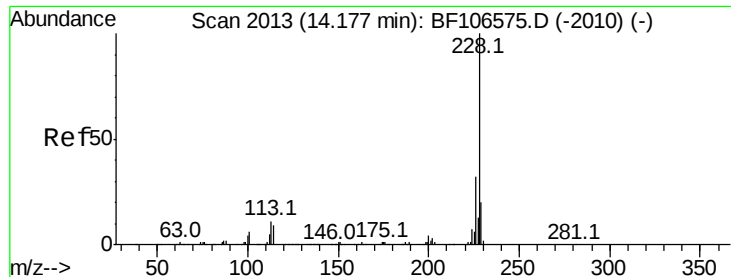
Tot Ion:244 Resp: 265738
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 8.7 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.681 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

Tgt Ion:228 Resp: 61262
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 22.7 15.8 23.6





#82

Chrysene

Concen: 5.968 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

ClientSampleId :

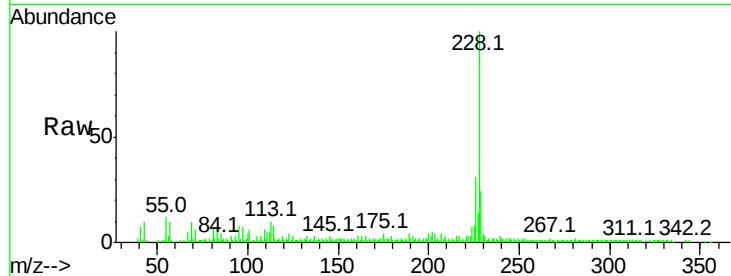
Tot Ion:228 Resp: 59208

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

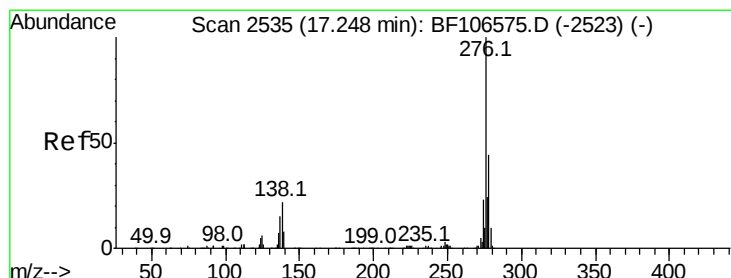
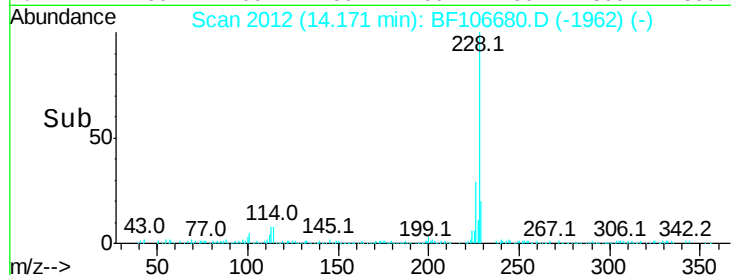
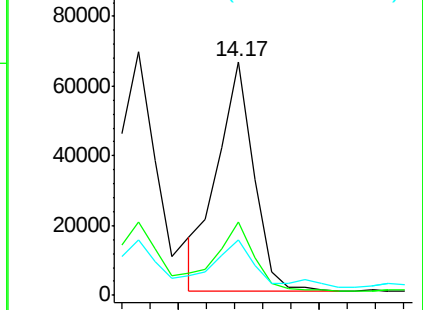
229 23.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.070 ng

RT: 17.26 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

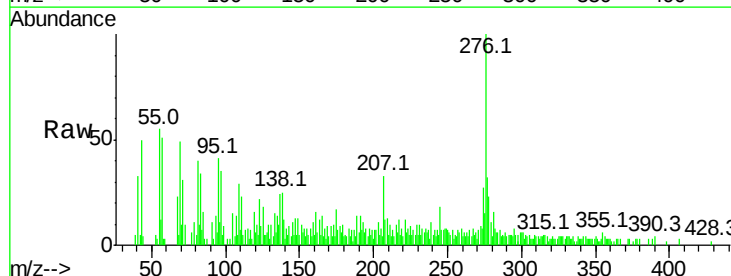
Tgt Ion:276 Resp: 25845

Ion Ratio Lower Upper

276 100

138 20.4 25.0 37.6#

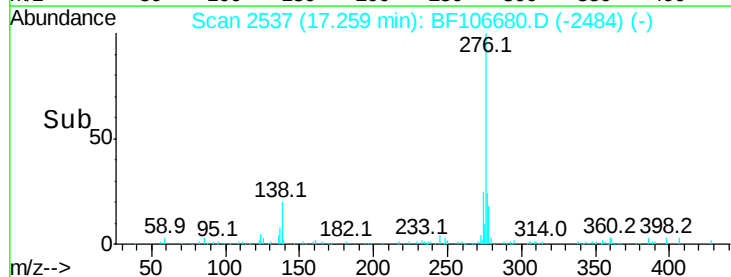
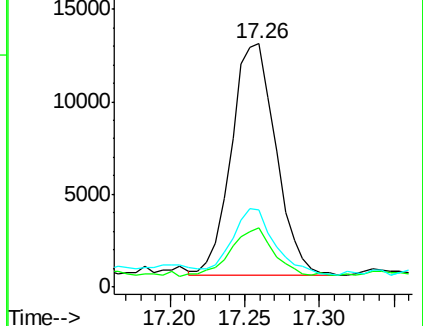
277 27.4 20.1 30.1

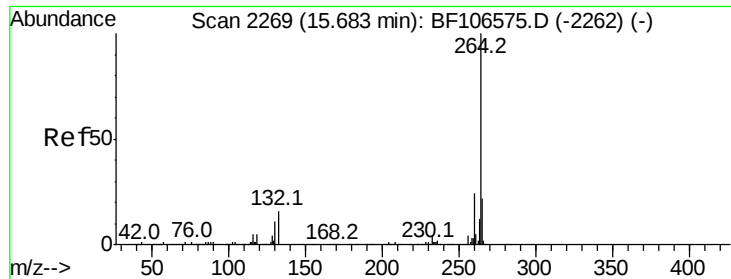


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

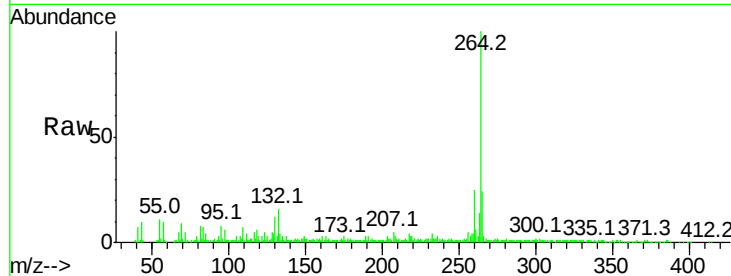




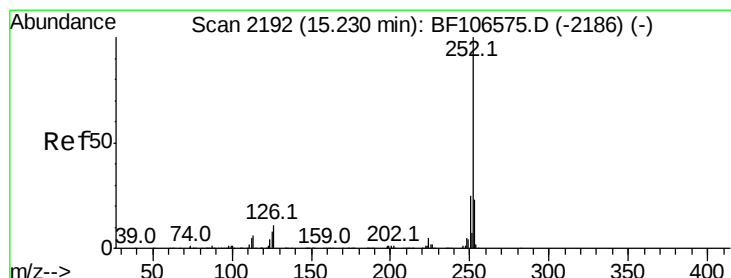
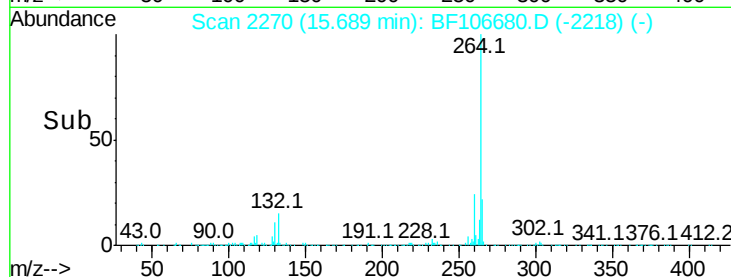
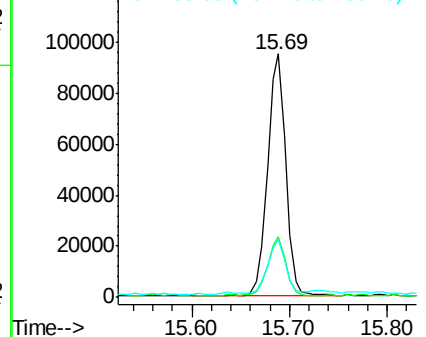
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.7	17.5	26.3

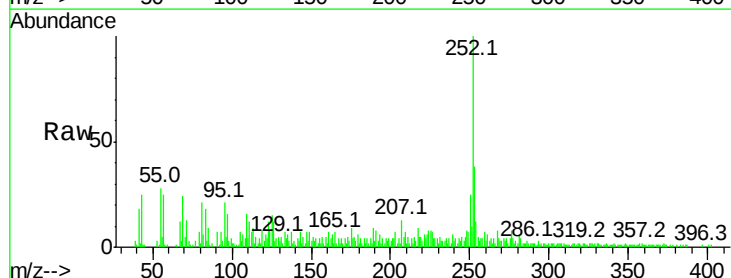


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

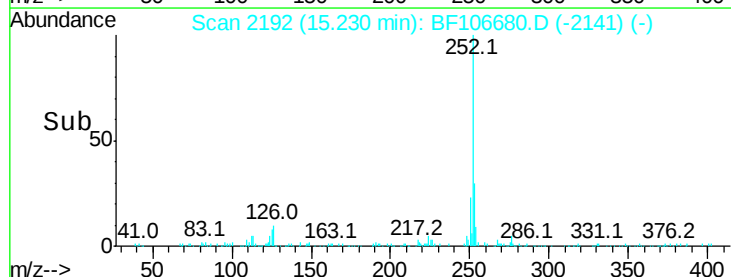
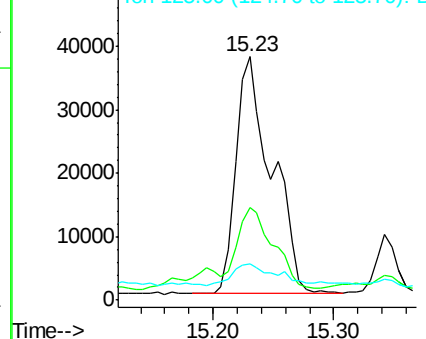


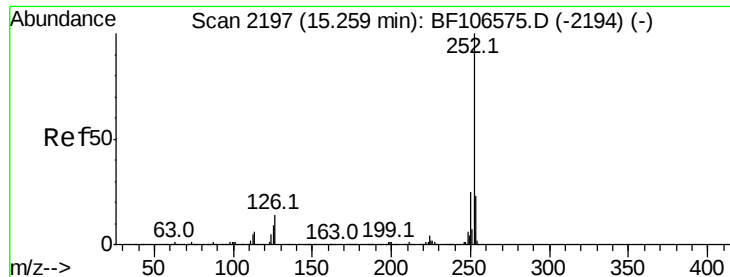
#87
Benzo(b)fluoranthene
Concen: 9.976 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.2	17.0	25.6#
125	15.1	9.0	13.6#



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

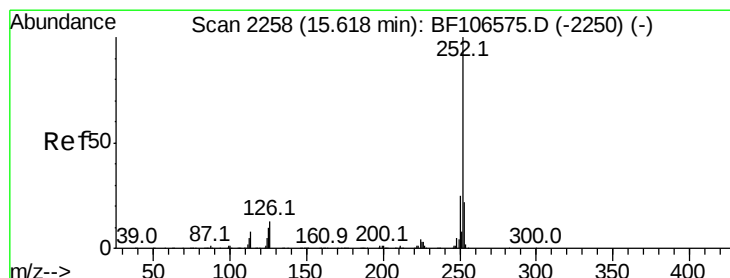
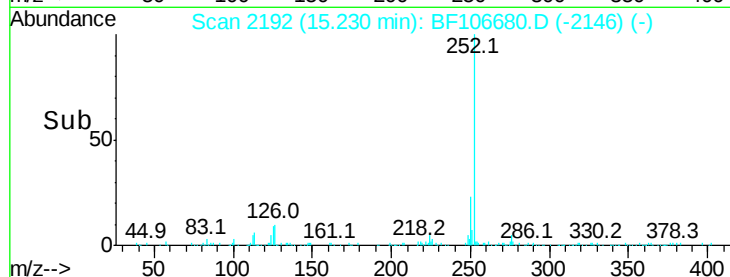
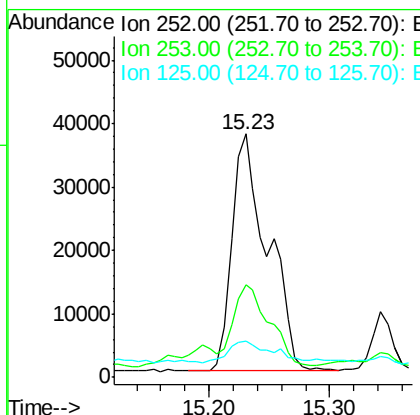
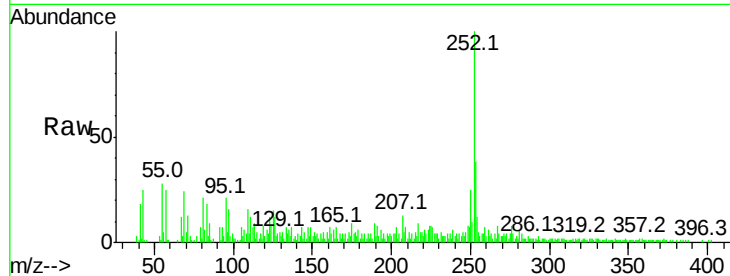




#88
Benzo(k)fluoranthene
Concen: 10.476 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

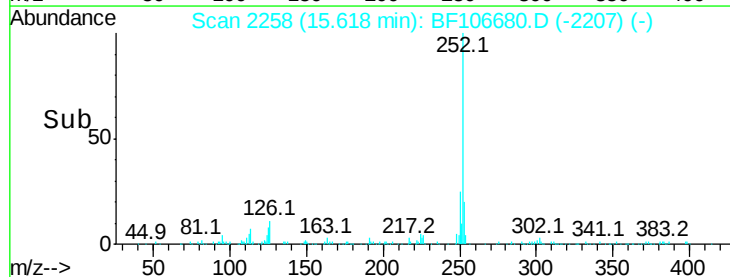
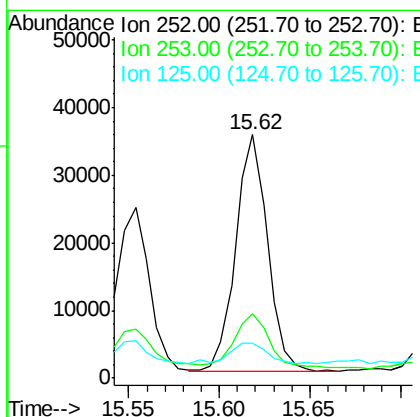
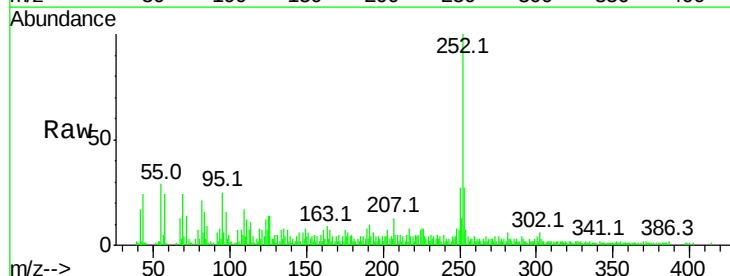
Instrument :
BNA_F
ClientSampleId :

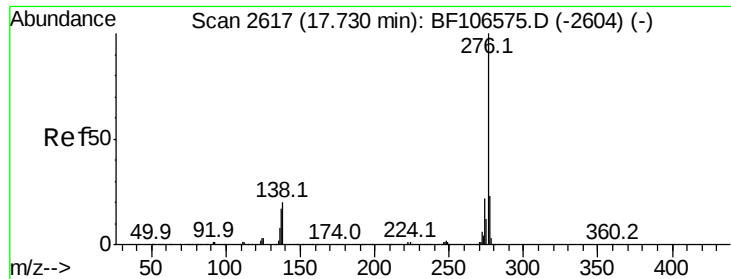
Tot Ion	Ratio	Lower	Upper
252	100		
253	38.2	17.9	26.9#
125	15.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 6.252 ng
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.1	25.7#
125	14.4	9.8	14.6

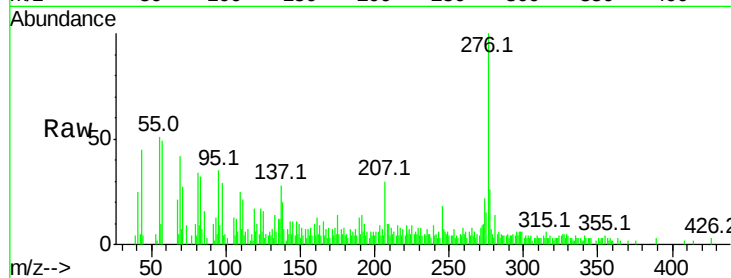




#91
 Benzo(a,h,i)perylene
 Concen: 5.546 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. 0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	19.6	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

