

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
 Data File : BF106707.D
 Acq On : 22 Jun 2018 14:23
 Operator : JU/SJ
 Sample : J3523-06 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 15:12:54 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	68067	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	264574	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	129487	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	222124	20.00	ng	0.00
75) Chrysene-d12	14.15	240	199014	20.00	ng	0.00
86) Perylene-d12	15.69	264	198155	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	33000	8.21	ng	0.00
7) Phenol-d6	6.60	99	120451	23.99	ng	-0.01
23) Nitrobenzene-d5	7.52	82	80261	16.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	1637	1.09	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	166663	8.51	ng	-0.01
78) Terphenyl-d14	13.07	244	151756	18.47	ng	-0.01

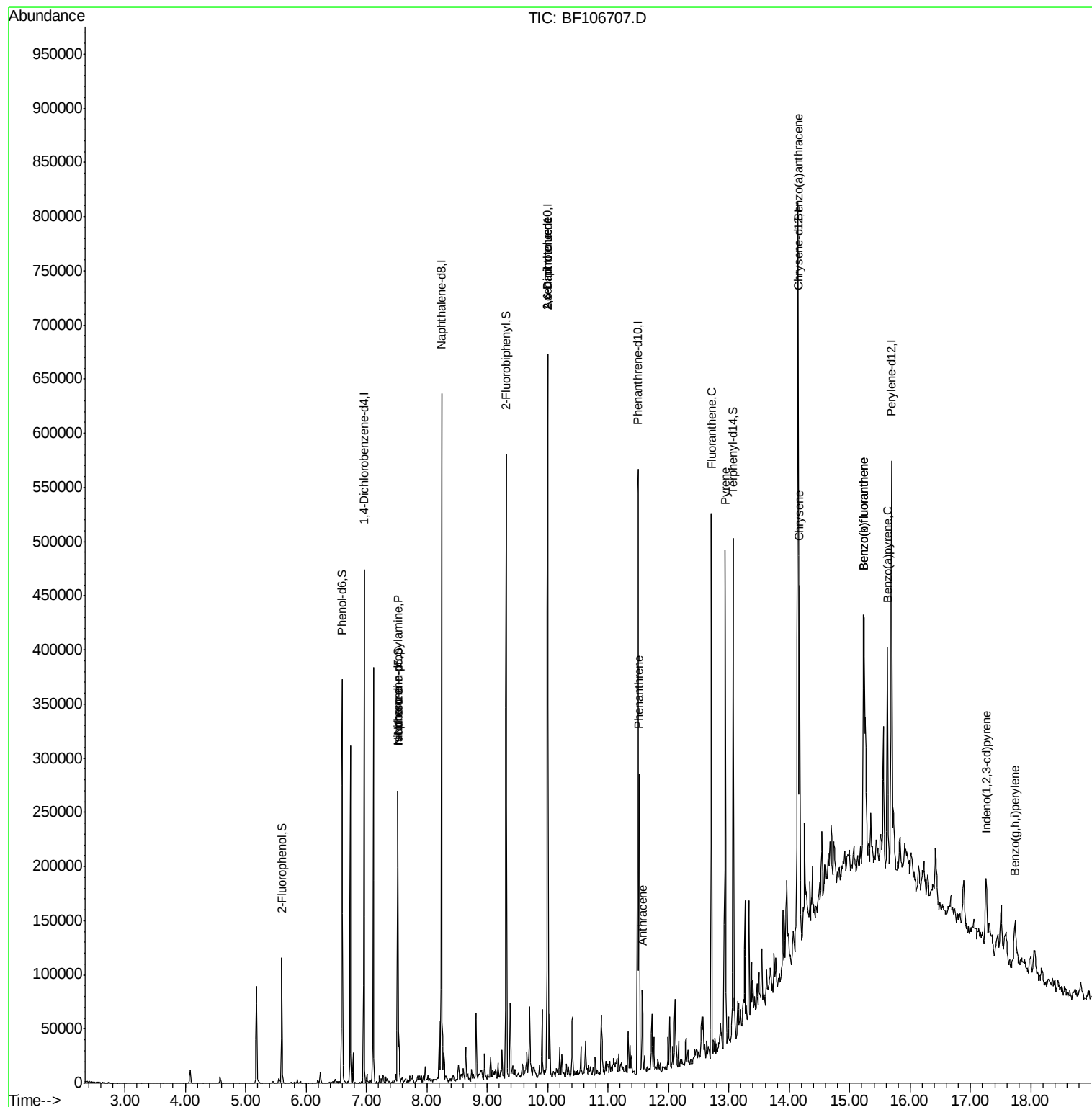
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	11607	3.508	ng	# 74
25) Isophorone	7.52	82	80260	9.567	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	16812	8.175	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	16812	6.263	ng	# 21
70) Phenanthrene	11.52	178	106150	9.908	ng	98
71) Anthracene	11.57	178	28799	2.634	ng	98
74) Fluoranthene	12.71	202	208788	17.681	ng	94
77) Pyrene	12.94	202	194483	14.819	ng	99
80) Benzo(a)anthracene	14.14	228	154677	12.752	ng	99
82) Chrysene	14.17	228	126586	11.344	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	41327	4.364	ng	# 89
87) Benzo(b)fluoranthene	15.23	252	211746	17.202	ng	96
88) Benzo(k)fluoranthene	15.23	252	211746	18.064	ng	97
89) Benzo(a)pyrene	15.62	252	103965	9.501	ng	95
91) Benzo(a,h,i)perylene	17.74	276	38944	4.296	ng	# 89

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

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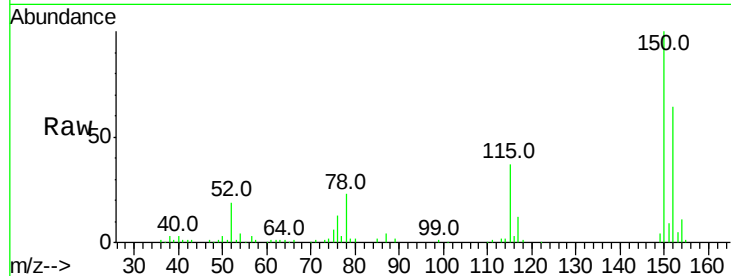


#1

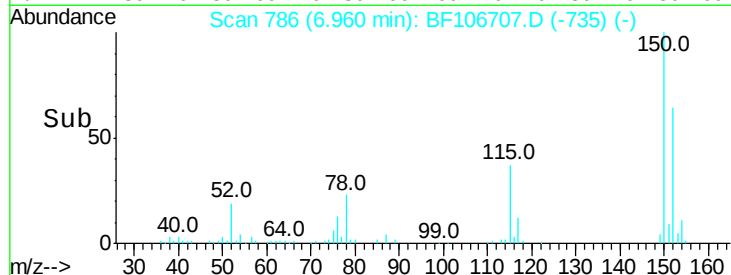
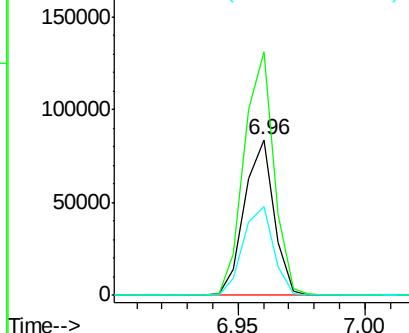
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 68067
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 57.0 50.1 75.1



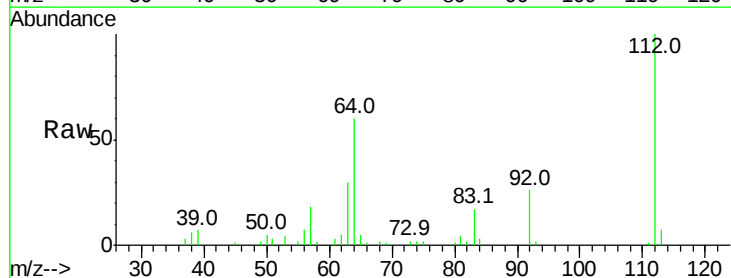
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



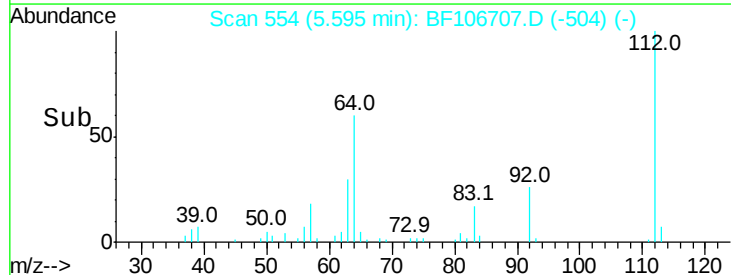
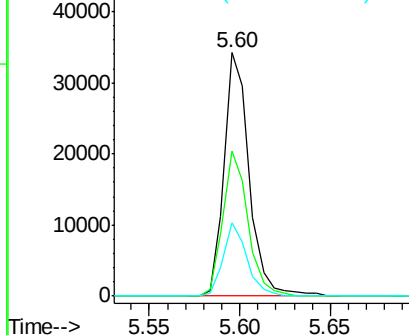
#5

2-Fluorophenol
Concen: 8.209 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Tgt Ion:112 Resp: 33000
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 30.2 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: 23.995 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Instrument :

BNA_F

ClientSampleId :

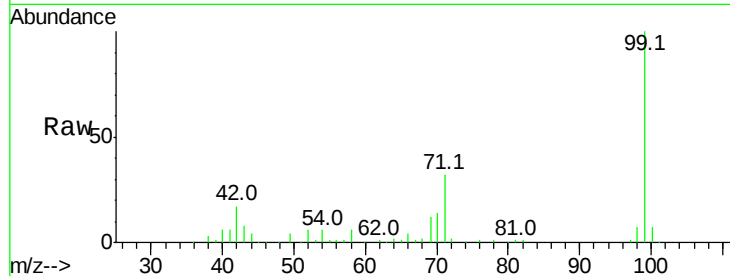
Tot Ion: 99 Resp: 120451

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

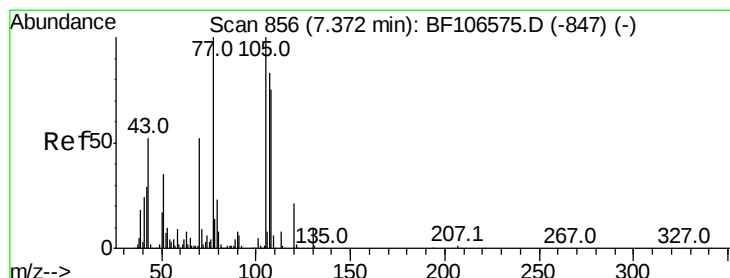
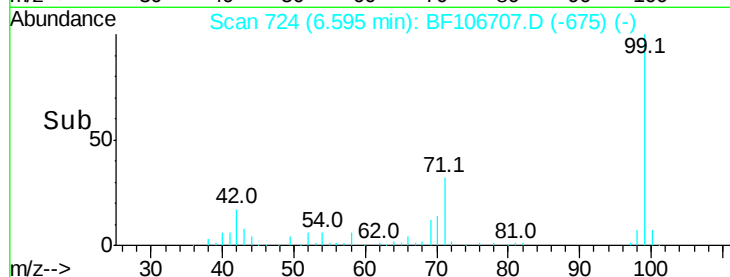
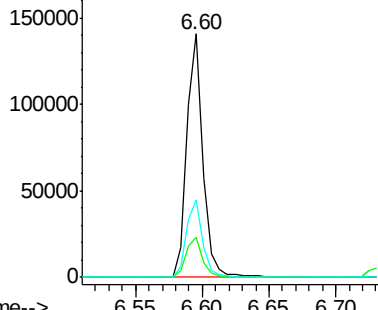
71 31.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 3.508 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Tgt Ion: 70 Resp: 11607

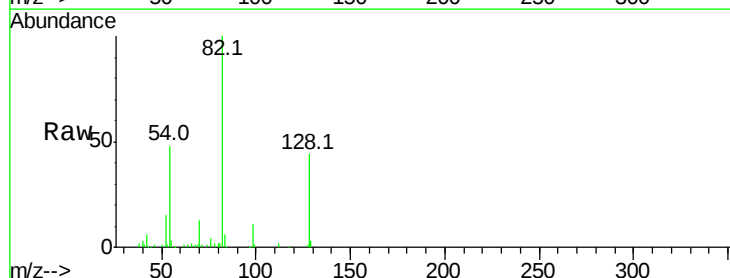
Ion Ratio Lower Upper

70 100

42 44.5 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

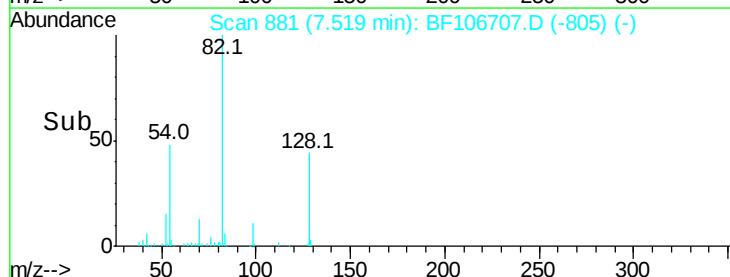
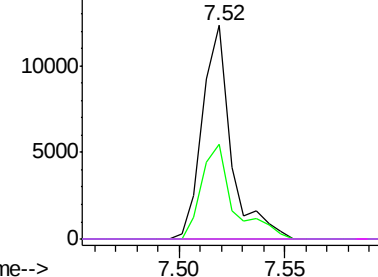


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

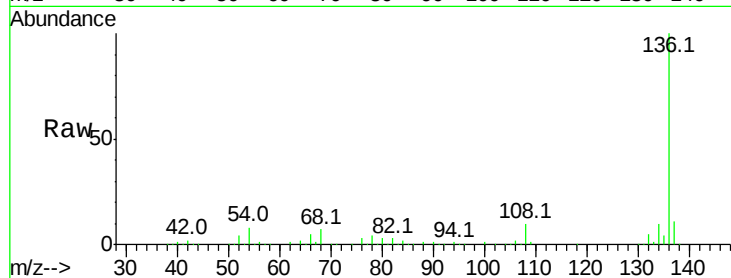




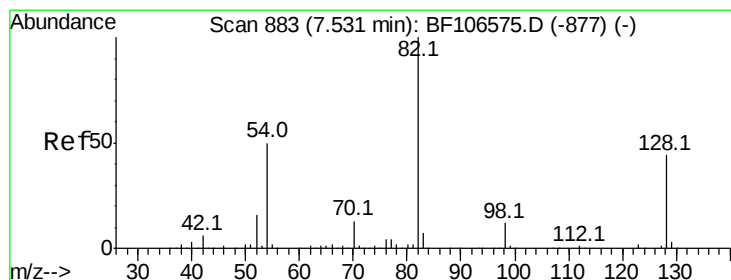
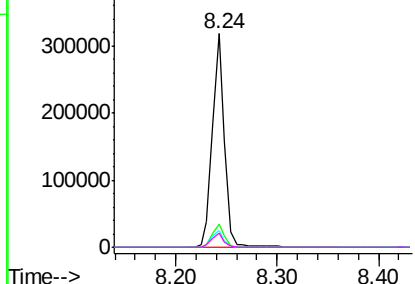
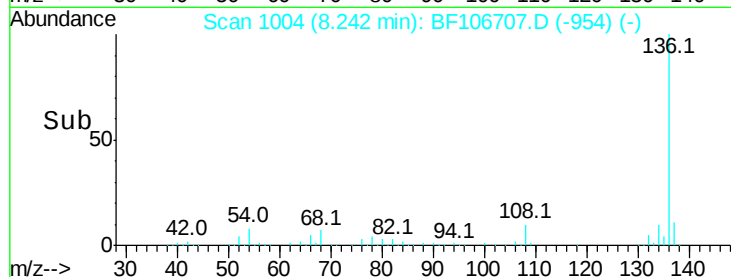
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	264574
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.6	6.6	9.8
68	6.6	5.0	7.4

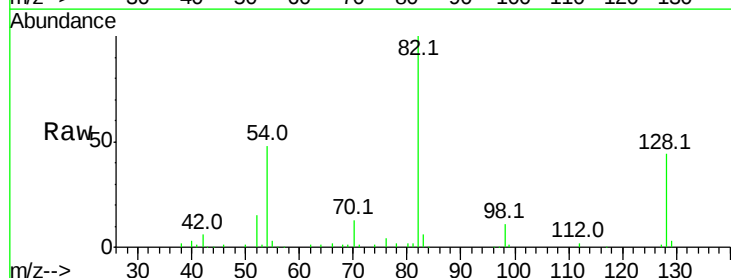


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

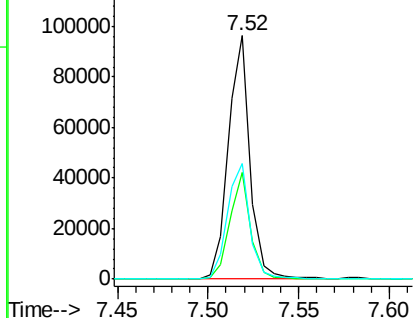
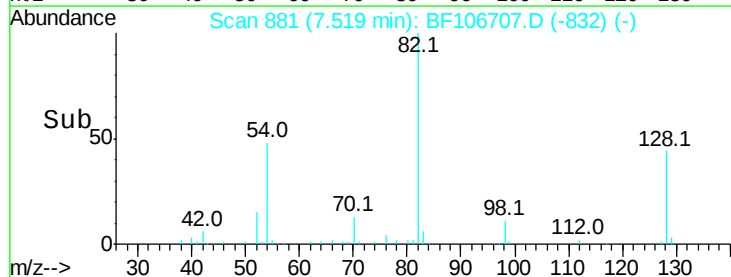


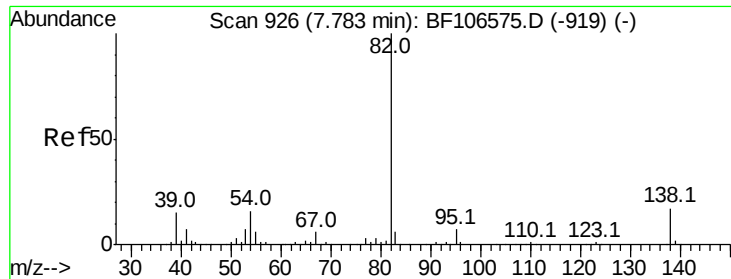
#23
Nitrobenzene-d5
Concen: 16.859 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Tgt Ion:	82	Resp:	80261
Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	47.7	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: 9.567 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Instrument :

BNA_F

ClientSampleId :

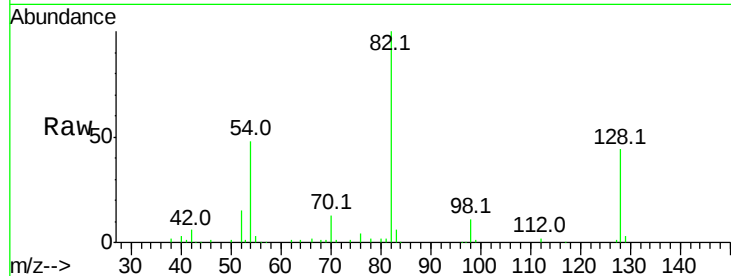
Tot Ion: 82 Resp: 80260

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

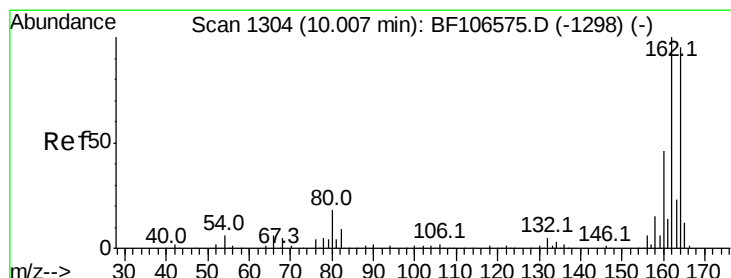
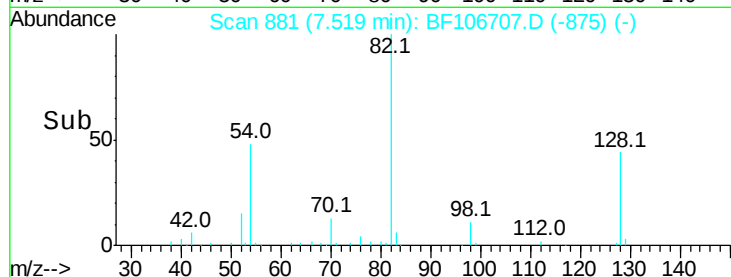
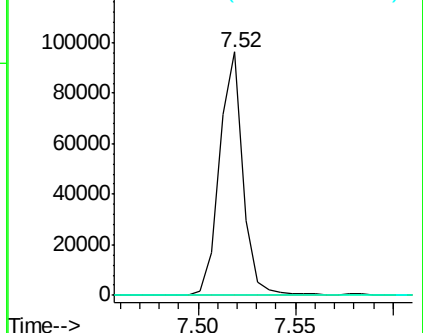
138 0.0 14.9 22.3#



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: BF106707.D

Acq: 22 Jun 2018 14:23

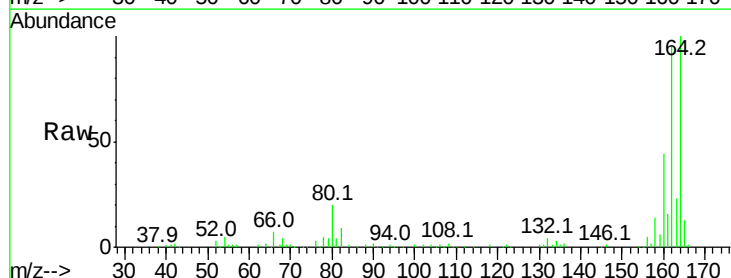
Tgt Ion:164 Resp: 129487

Ion Ratio Lower Upper

164 100

162 96.4 86.1 129.1

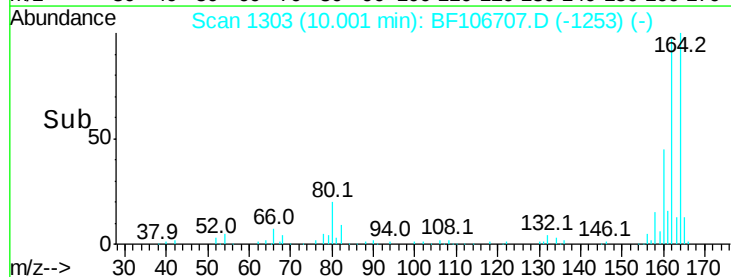
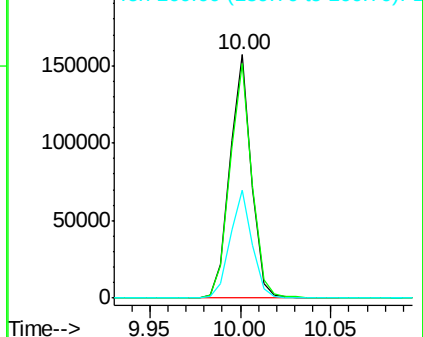
160 44.4 38.3 57.5



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

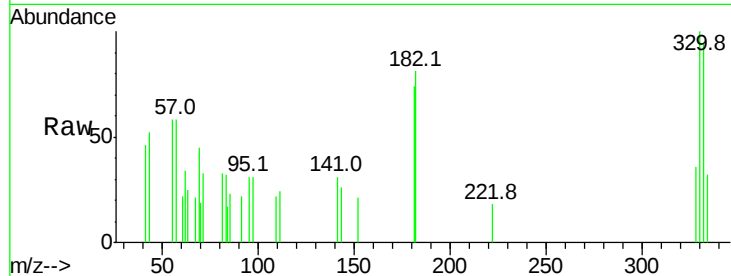




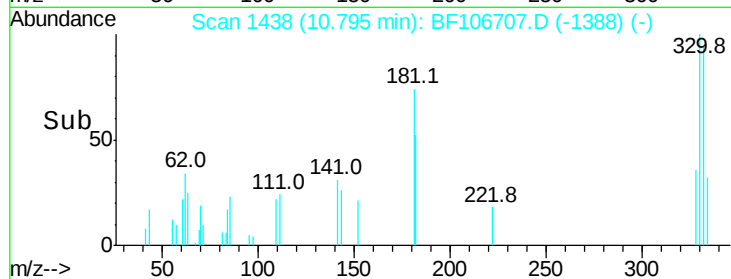
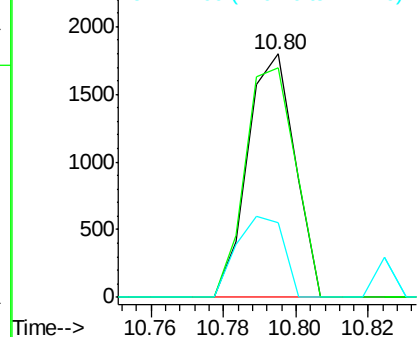
#41
 2,4,6-Tribromophenol
 Concen: 1.091 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 1637
 Ion Ratio Lower Upper
 330 100
 332 100.4 77.0 115.6
 141 33.2 29.9 44.9

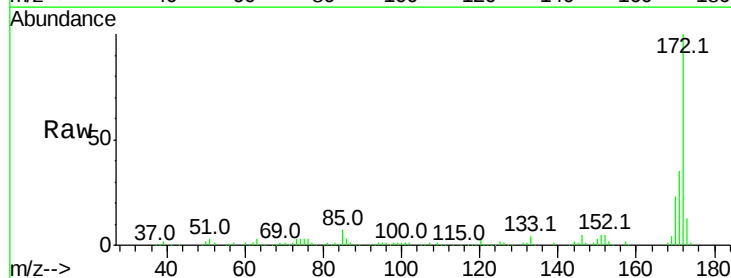


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

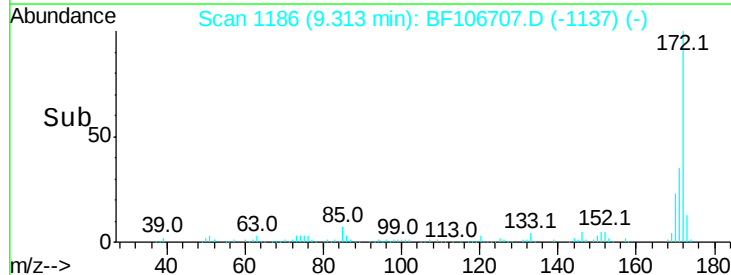
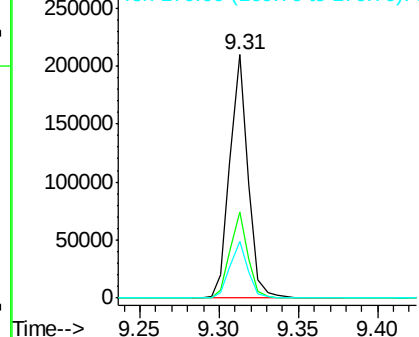


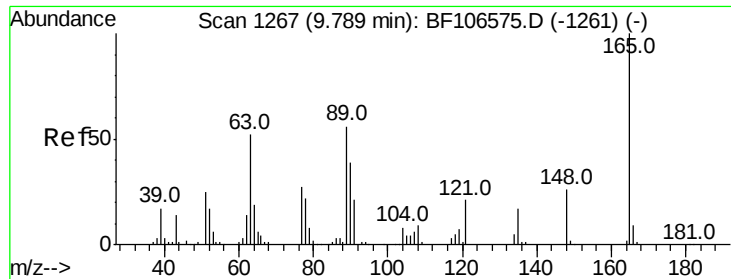
#44
 2-Fluorobiphenyl
 Concen: 8.512 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Tgt Ion:172 Resp: 166663
 Ion Ratio Lower Upper
 172 100
 171 35.3 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

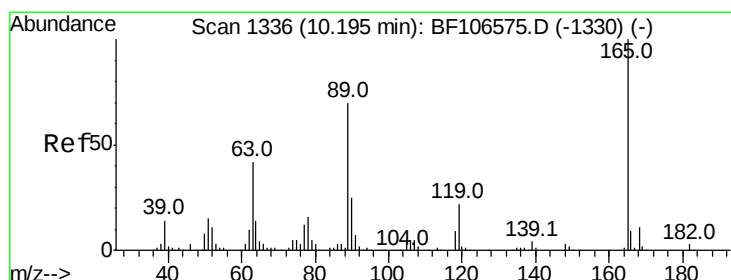
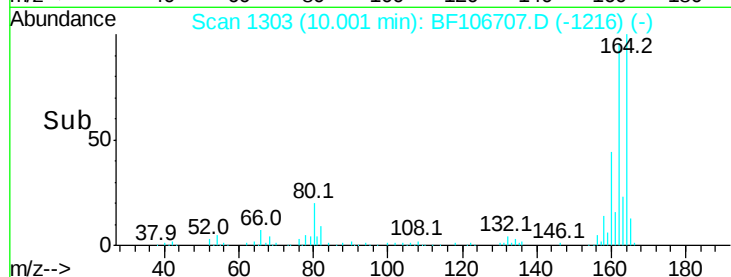
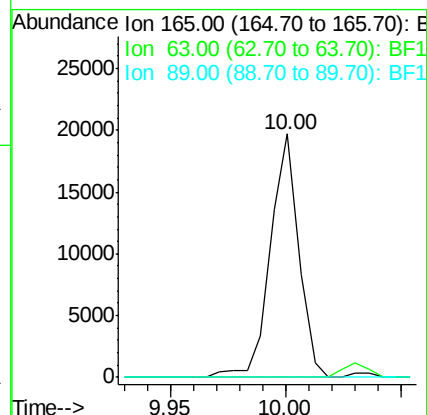
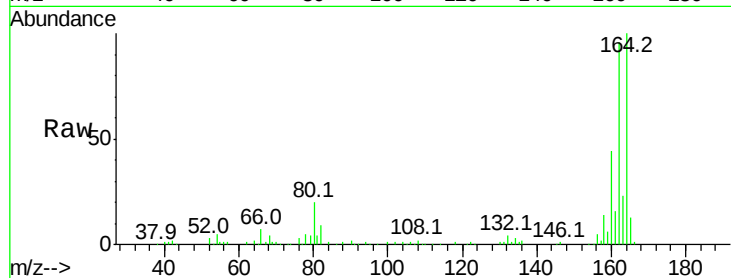




#50
 2,6-Dinitrotoluene
 Concen: 8.175 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

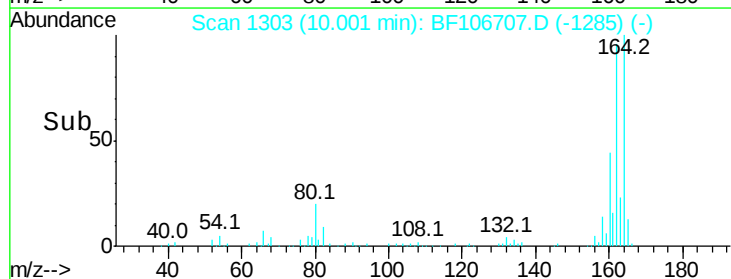
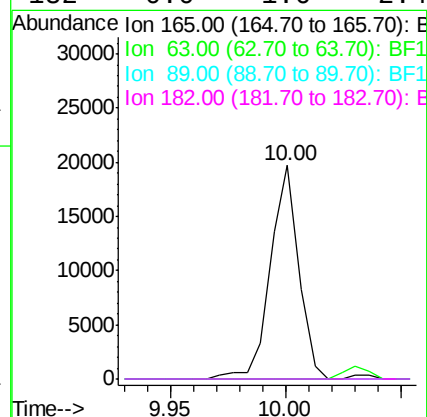
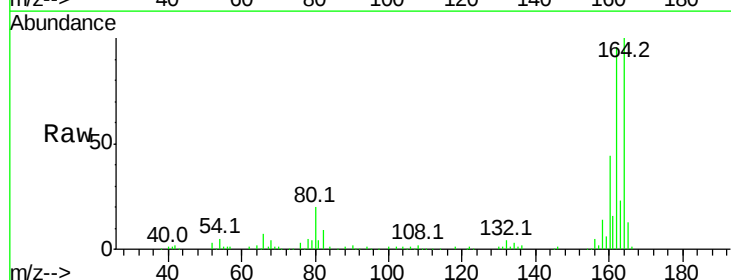
Instrument :
 BNA_F
 ClientSampleId :

Tot 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: 6.263 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Tgt 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#

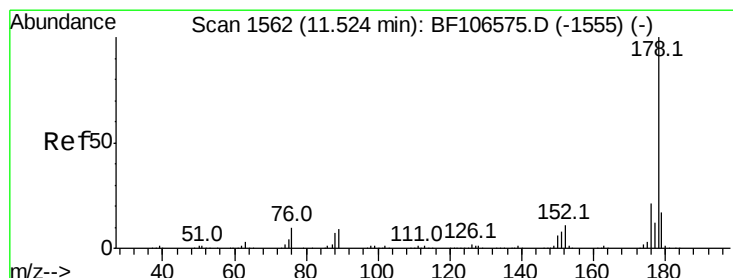
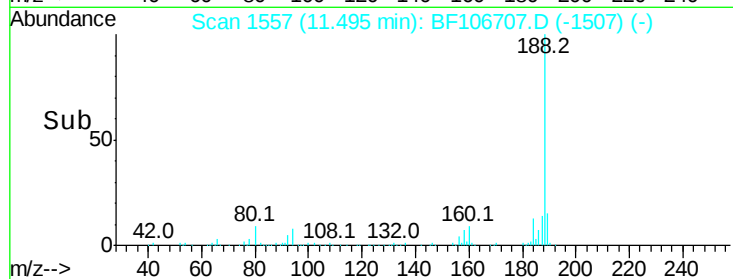
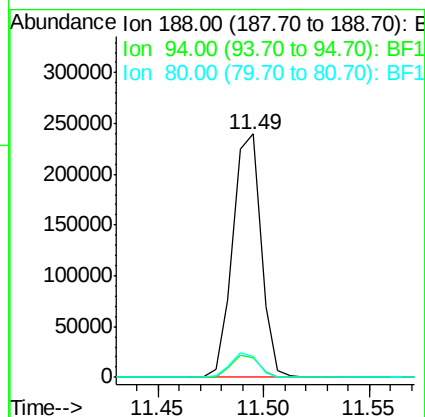
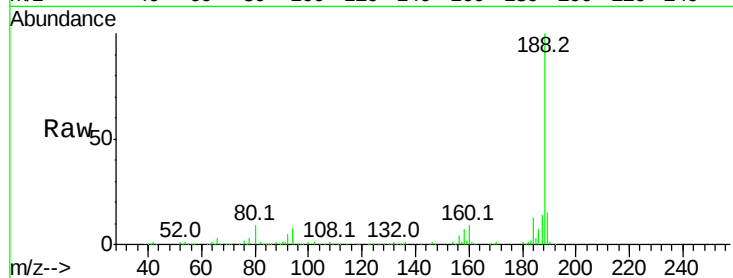




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

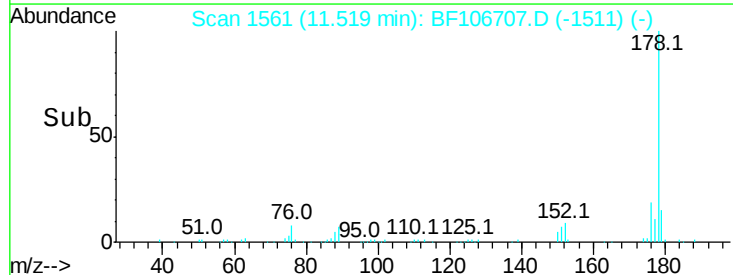
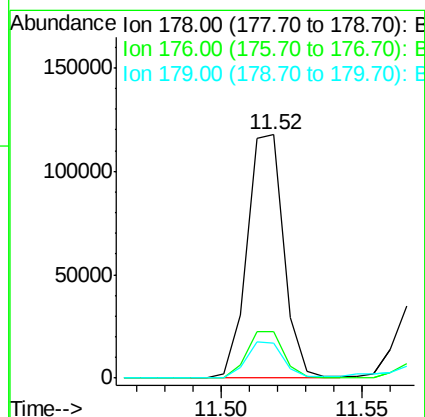
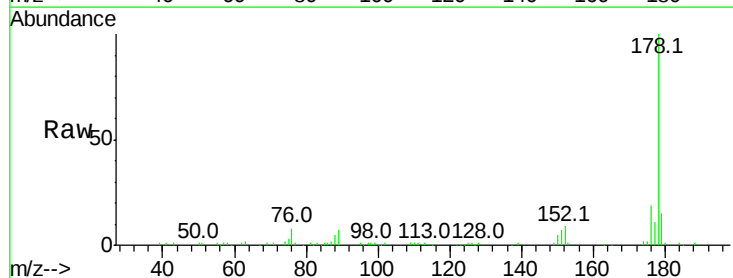
Instrument :
BNA_F
ClientSampleId :

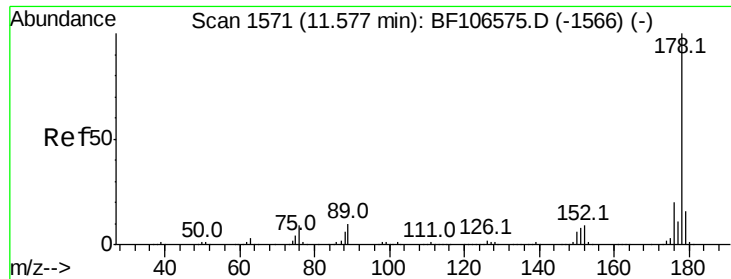
Tot Ion:188 Resp: 222124
Ion Ratio Lower Upper
188 100
94 7.9 8.5 12.7#
80 8.7 9.2 13.8#



#70
Phenanthrene
Concen: 9.908 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Tgt Ion:178 Resp: 106150
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 14.6 13.0 19.6





#71

Anthracene

Concen: 2.634 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Instrument :

BNA_F

ClientSampleId :

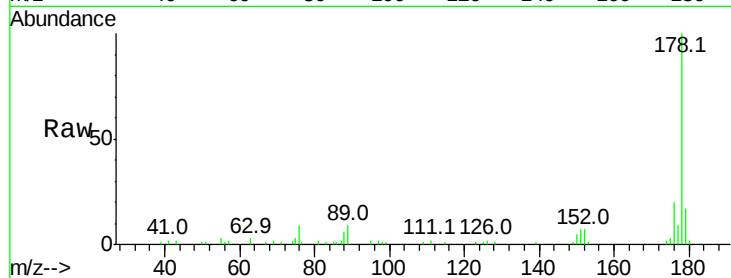
Tot Ion:178 Resp: 28799

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.2

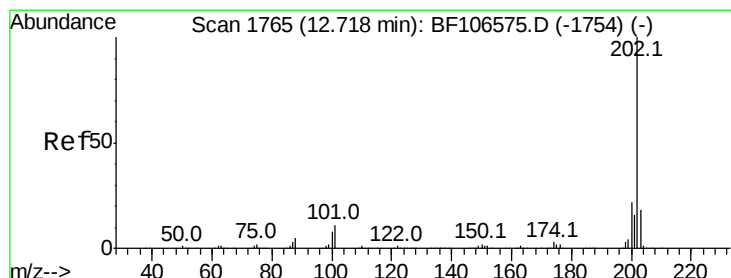
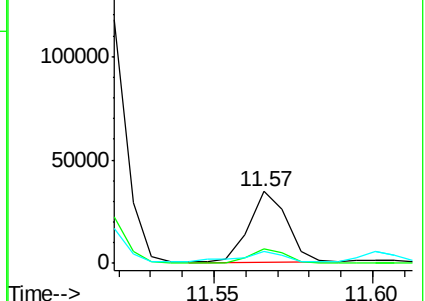
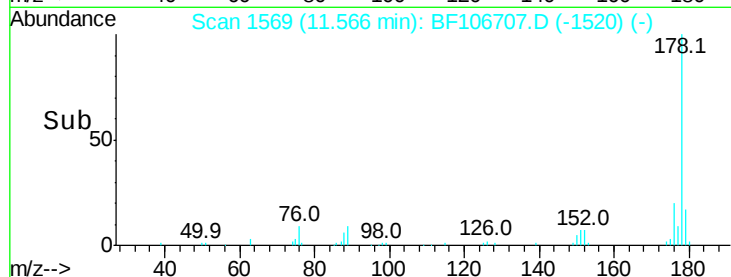
179 17.4 12.6 19.0



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: 17.681 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

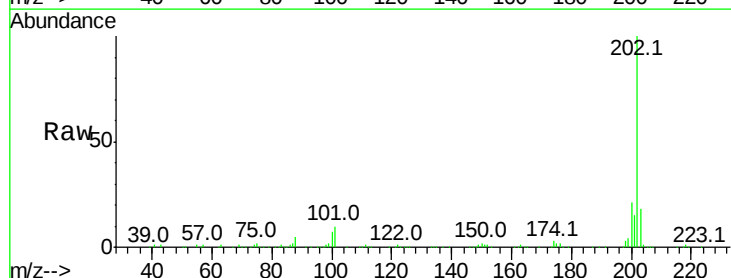
Tgt Ion:202 Resp: 208788

Ion Ratio Lower Upper

202 100

101 9.5 0.0 34.1

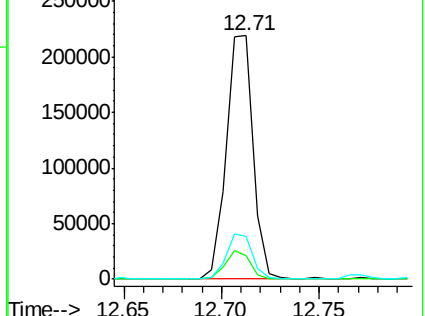
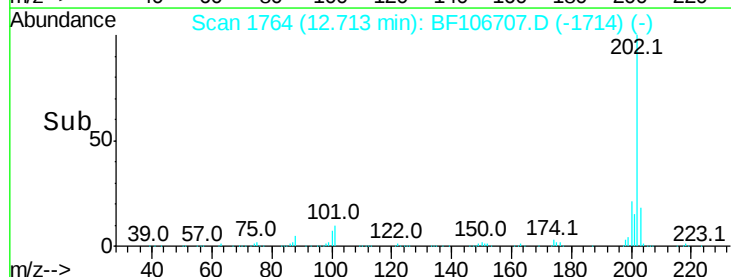
203 17.6 0.0 38.1

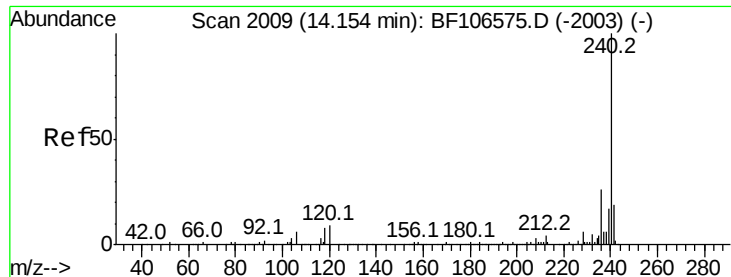


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF106707.D

Acq: 22 Jun 2018 14:23

Instrument :

BNA_F

ClientSampleId :

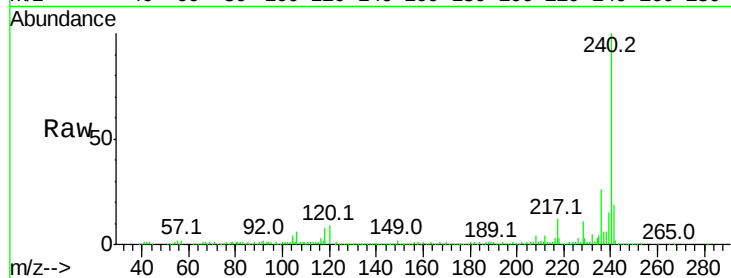
Tot Ion:240 Resp: 199014

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

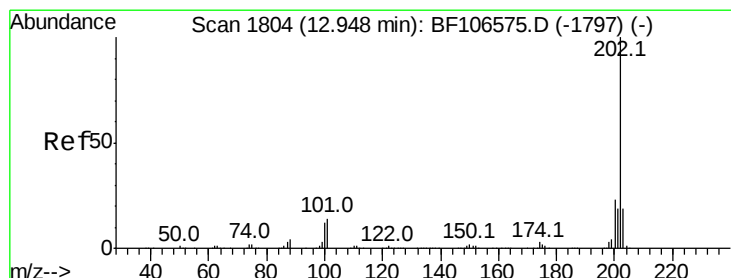
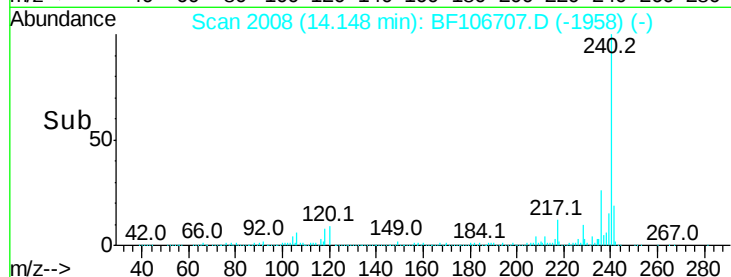
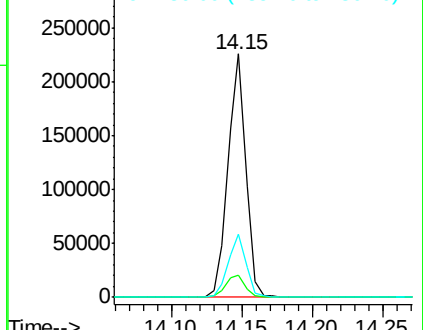
236 25.9 20.7 31.1



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: 14.819 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

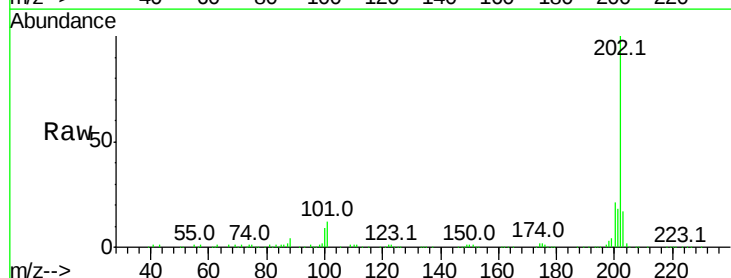
Tgt Ion:202 Resp: 194483

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

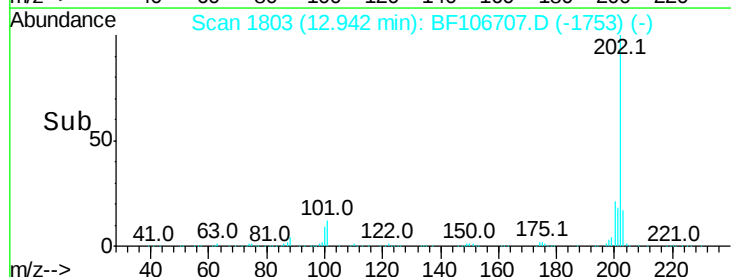
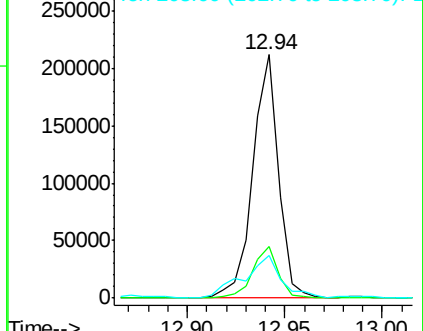
203 17.3 14.3 21.5

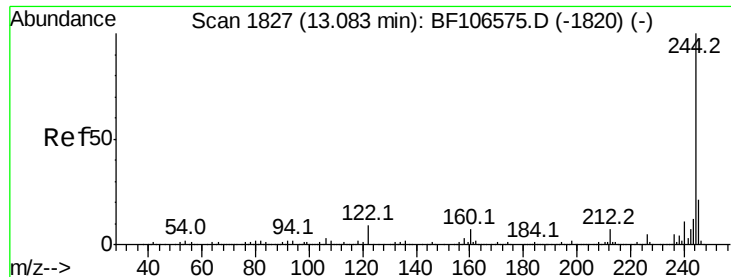


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

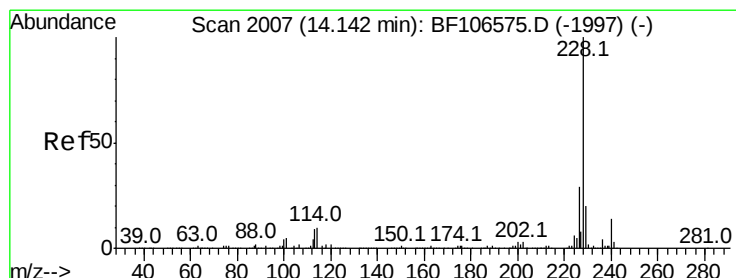
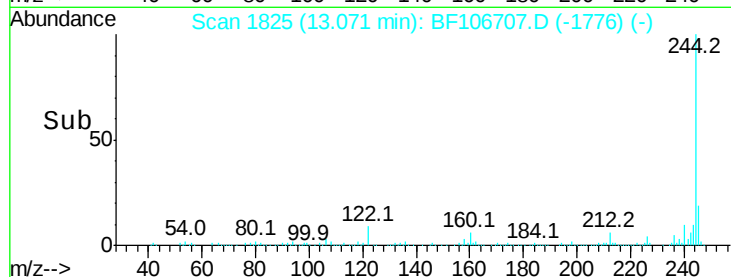
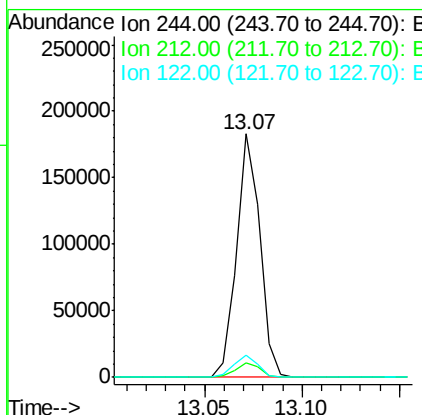
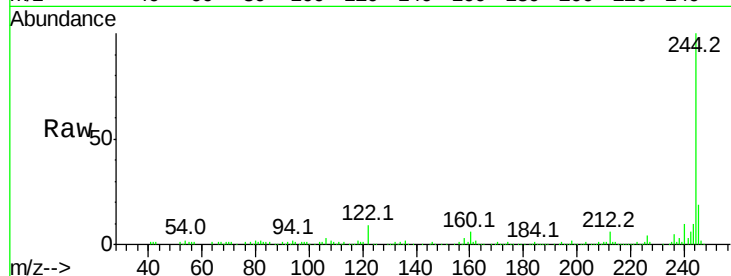




#78
 Terphenyl-d14
 Concen: 18.471 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

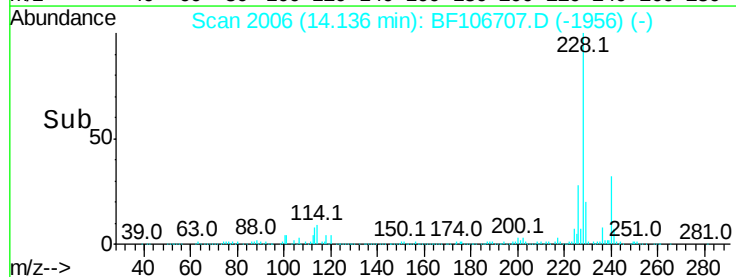
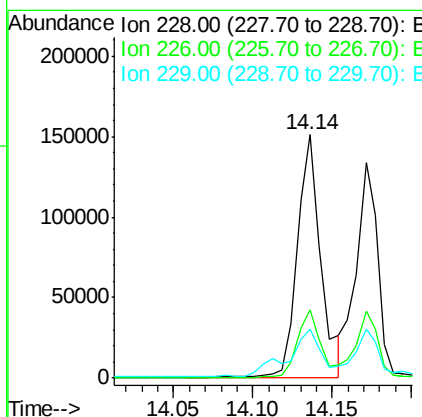
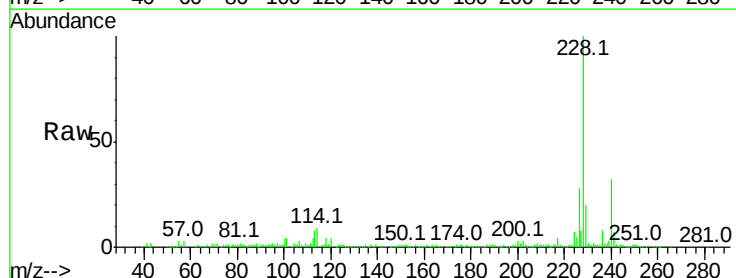
Instrument :
 BNA_F
 ClientSampled :

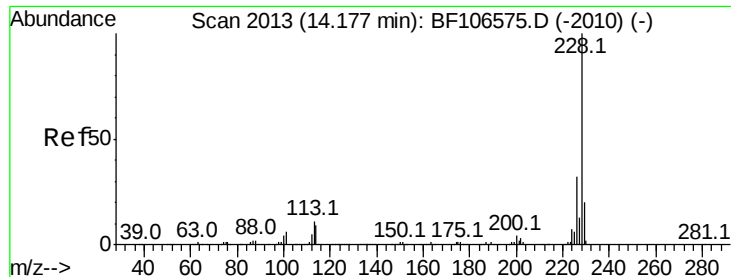
Tot Ion:244 Resp: 151756
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.4 8.0
 122 9.2 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 12.752 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106707.D
 Acq: 22 Jun 2018 14:23

Tgt Ion:228 Resp: 154677
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 20.4 15.8 23.6

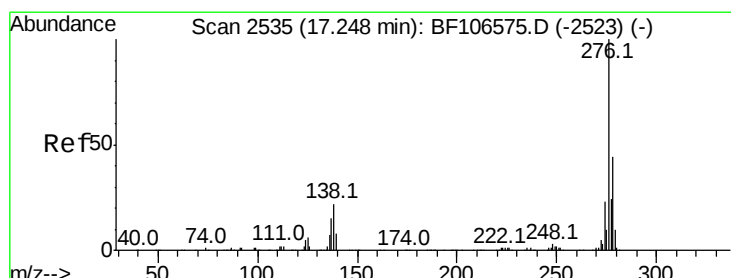
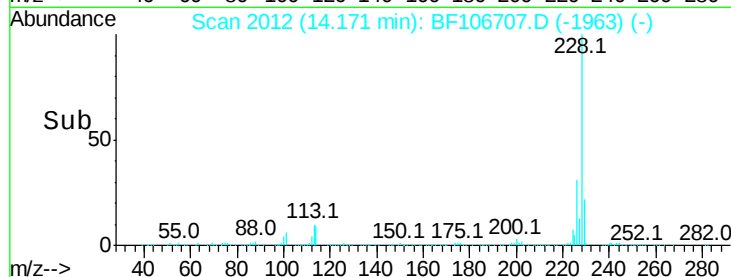
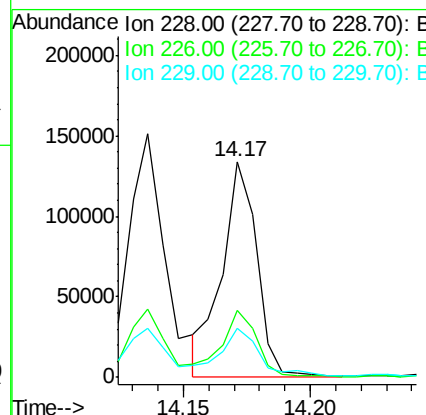
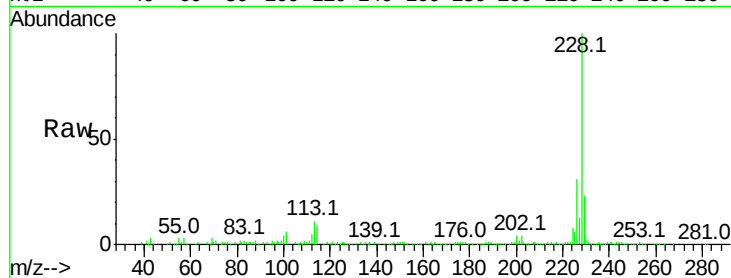




#82
Chrysene
Concen: 11.344 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

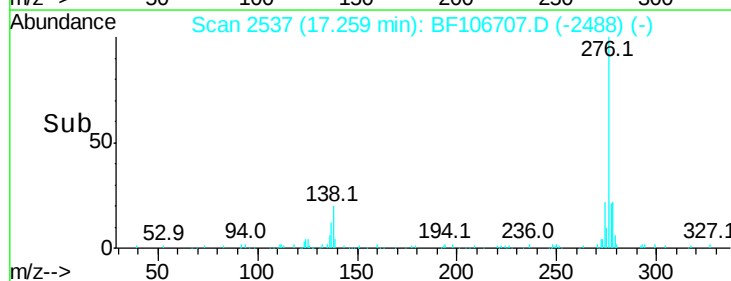
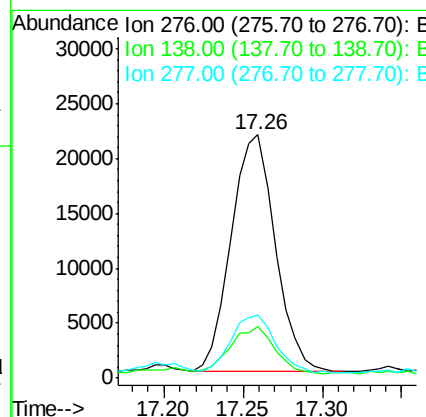
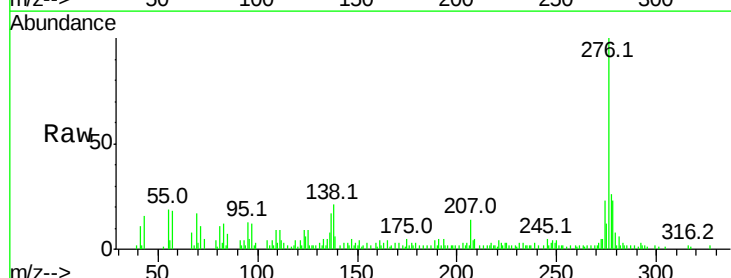
Instrument :
BNA_F
ClientSampleId :

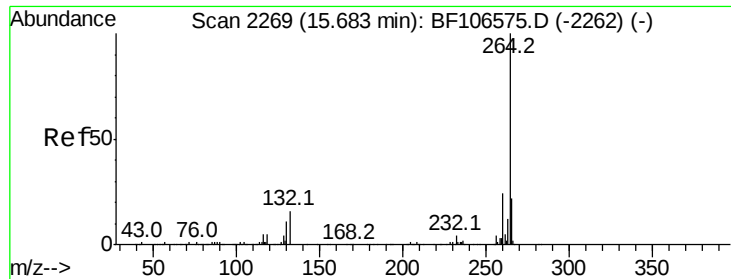
Tot Ion:228 Resp: 126586
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 22.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.364 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Tgt Ion:276 Resp: 41327
Ion Ratio Lower Upper
276 100
138 20.5 25.0 37.6#
277 24.5 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: BF106707.D

Acq: 22 Jun 2018 14:23

Instrument :

BNA_F

ClientSampleId :

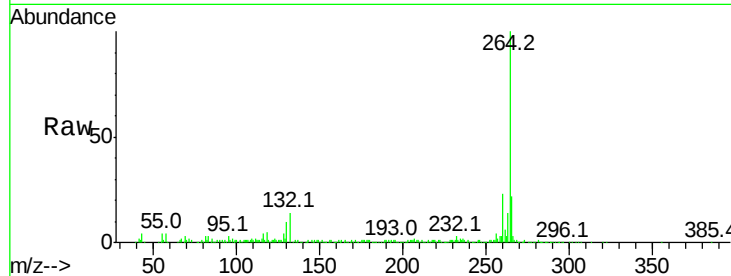
Tot Ion:264 Resp: 198155

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.0	17.5	26.3

264 100

260 23.0 19.2 28.8

265 22.0 17.5 26.3

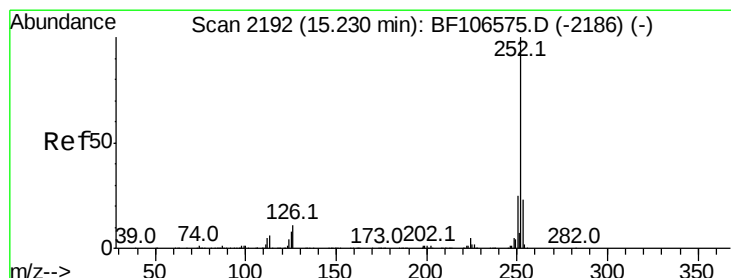
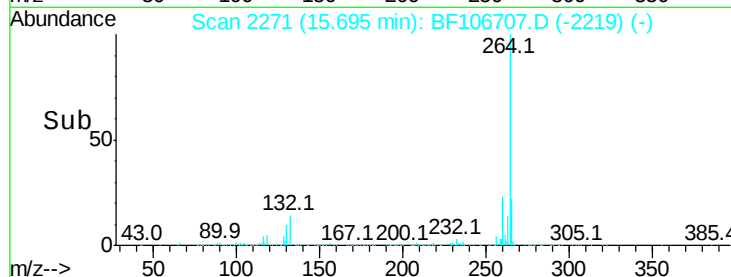
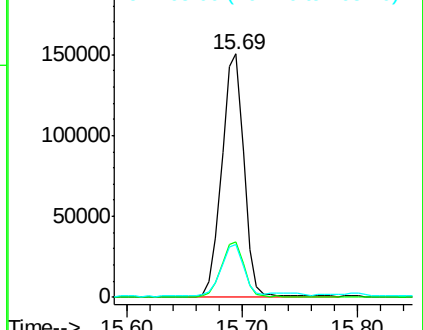


Abundance

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: 17.202 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

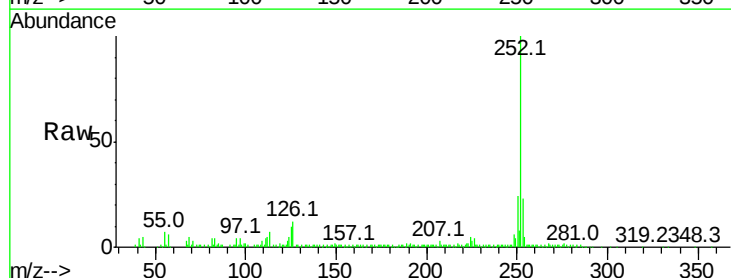
Tgt Ion:252 Resp: 211746

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	10.3	9.0	13.6

252 100

253 23.2 17.0 25.6

125 10.3 9.0 13.6

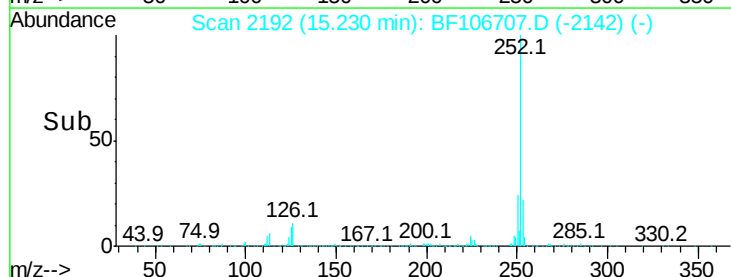
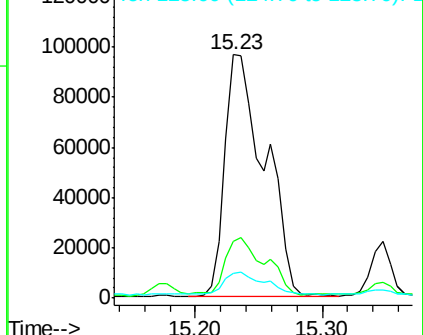


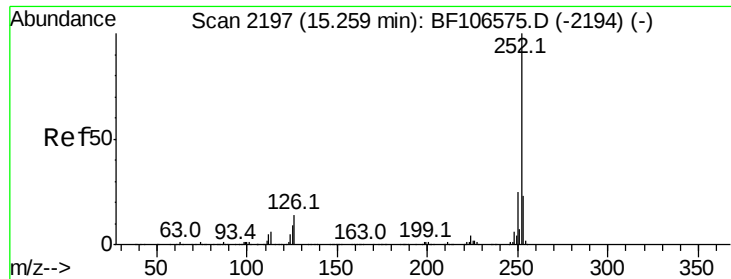
Abundance

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

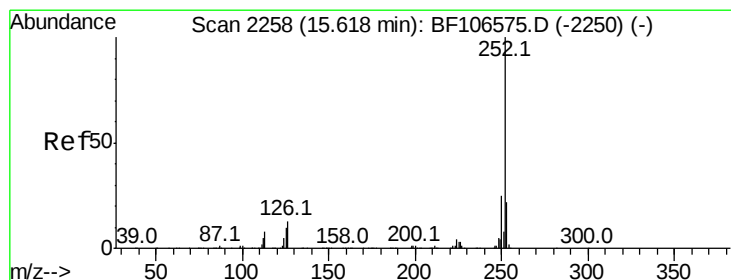
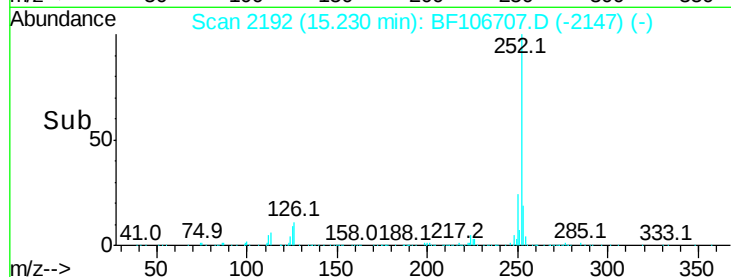
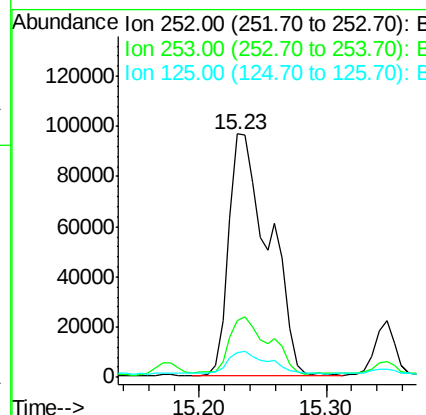
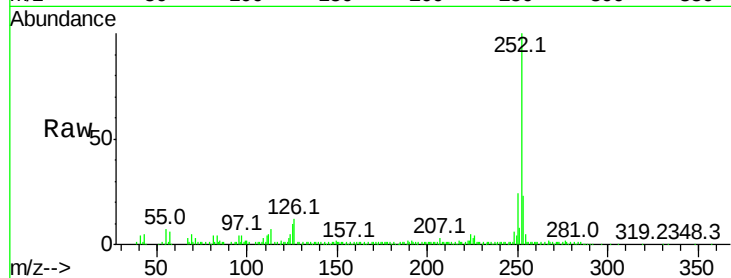




#88
Benzo(k)fluoranthene
Concen: 18.064 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.04 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

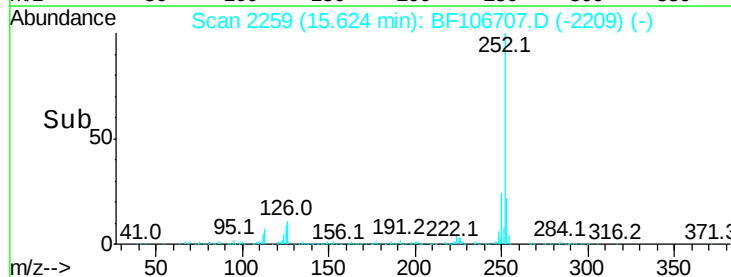
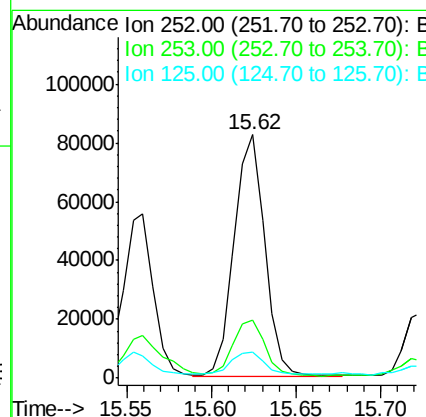
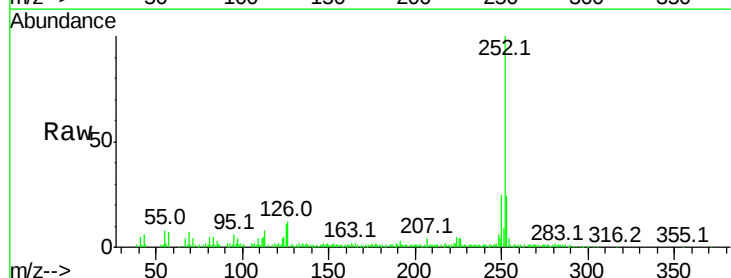
Instrument :
BNA_F
ClientSampleId :

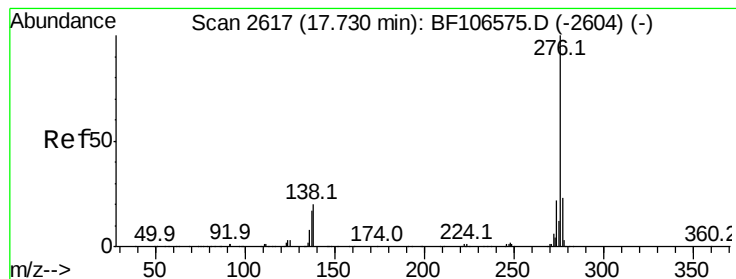
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	10.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 9.501 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF106707.D
Acq: 22 Jun 2018 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	10.6	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.296 ng

RT: 17.74 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF106707.D

Acq: 22 Jun 2018 14:23

Instrument :

BNA_F

ClientSampleId :

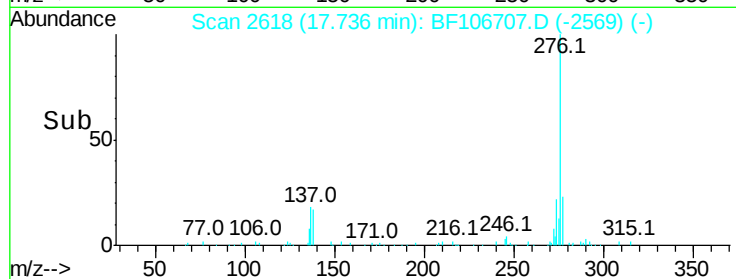
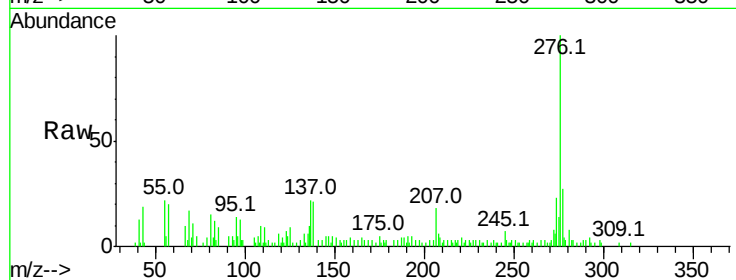
Tot Ion:276 Resp: 38944

Ion Ratio Lower Upper

276 100

277 26.9 17.9 26.9#

138 21.1 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

