

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
 Data File : BF106785.D
 Acq On : 25 Jun 2018 21:28
 Operator : JU/SJ
 Sample : J3241-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 02:10:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

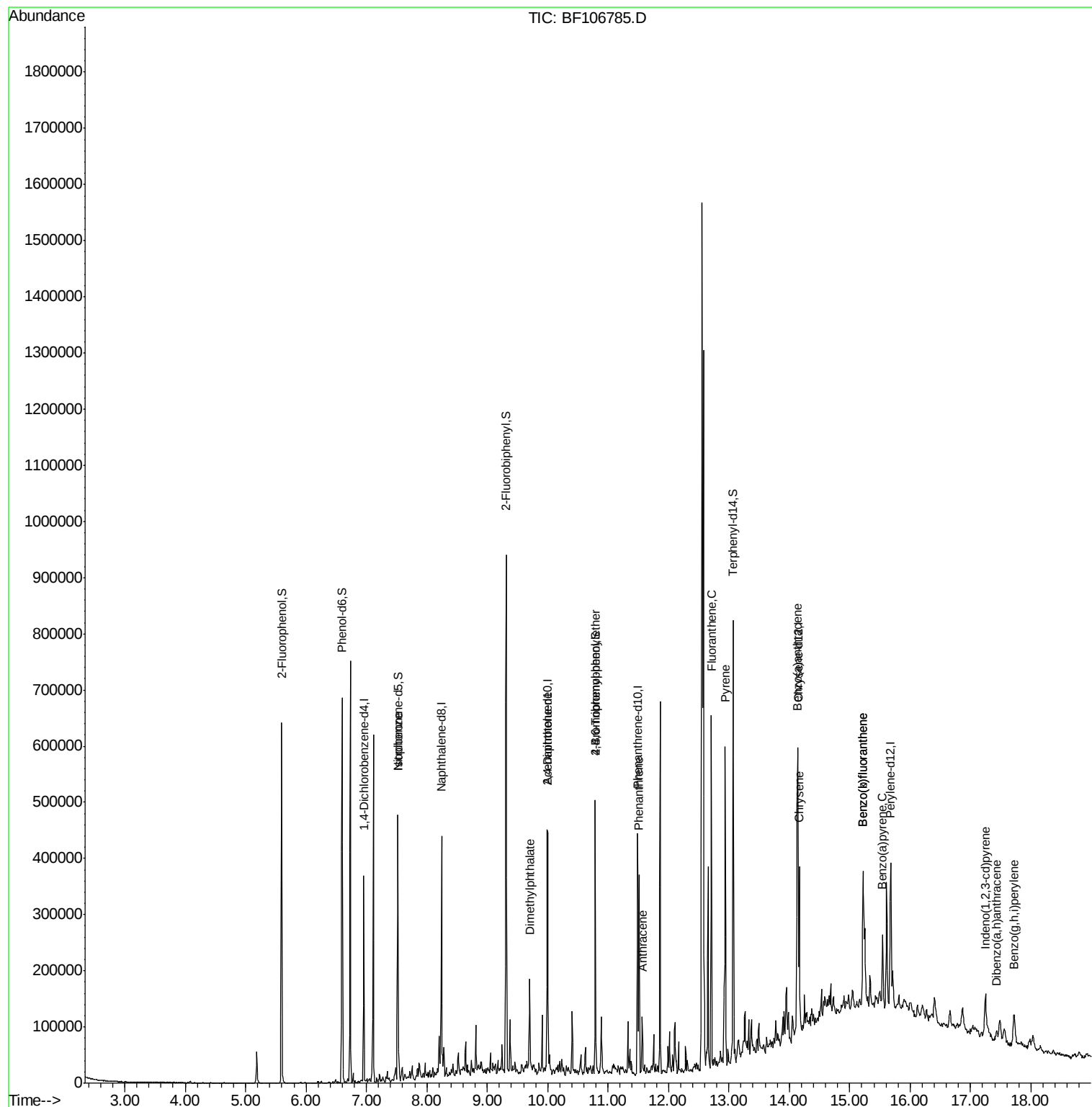
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	52663	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	199612	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	94294	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	158117	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	140671	20.00	ng	-0.02
86) Perylene-d12	15.68	264	133610	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	177309	57.01	ng	0.00
7) Phenol-d6	6.60	99	228405	58.81	ng	-0.02
23) Nitrobenzene-d5	7.52	82	140609	39.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	63191	57.82	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	281981	43.40	ng	-0.01
78) Terphenyl-d14	13.07	244	260407	44.84	ng	-0.01
Target Compounds						
25) Isophorone	7.52	82	138776	21.926	ng	# 64
49) Dimethylphthalate	9.70	163	46276	6.543	ng	# 98
56) 2,4-Dinitrotoluene	10.00	165	13153	6.729	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	3988	2.113	ng	# 1
70) Phenanthrene	11.51	178	124156	16.280	ng	99
71) Anthracene	11.57	178	38583	4.957	ng	98
74) Fluoranthene	12.71	202	263698	31.371	ng	96
77) Pyrene	12.94	202	227310	24.504	ng	99
80) Benzo(a)anthracene	14.13	228	141636	16.520	ng	99
82) Chrysene	14.17	228	115667	14.665	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	52608	7.859	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	210720	25.389	ng	95
88) Benzo(k)fluoranthene	15.22	252	210720	26.660	ng	# 95
89) Benzo(a)pyrene	15.54	252	69016	9.354	ng	95
90) Dibenzo(a,h)anthracene	17.44	278	12847	2.055	ng	96
91) Benzo(g,h,i)perylene	17.72	276	49625	8.119	ng	# 86

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

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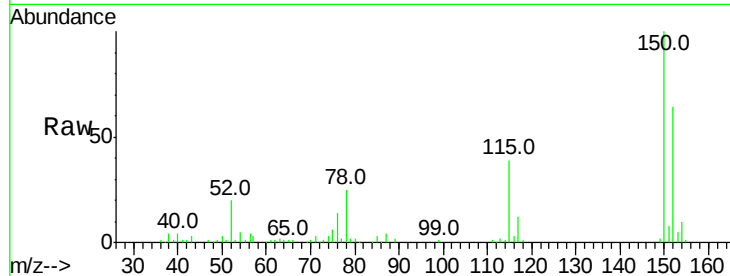


#1

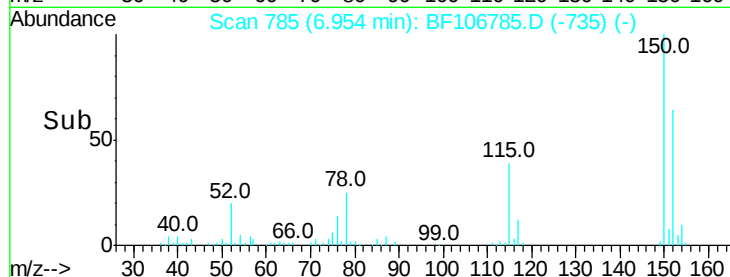
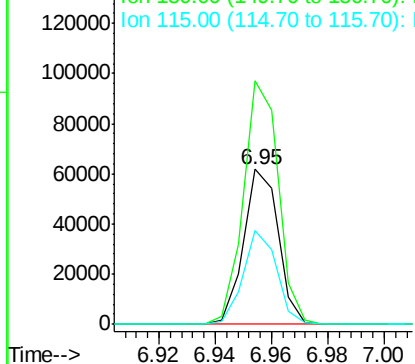
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 52663
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 60.4 50.1 75.1



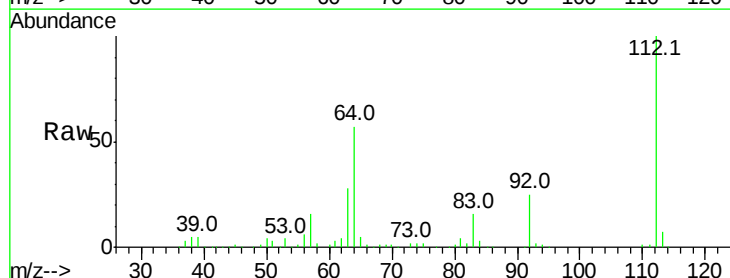
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



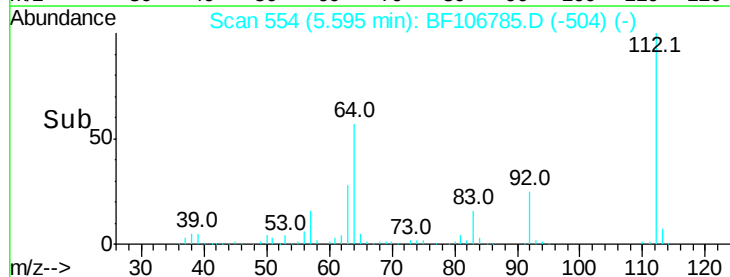
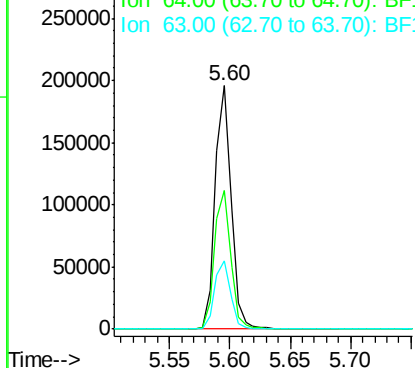
#5

2-Fluorophenol
Concen: 57.012 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Tgt Ion:112 Resp: 177309
Ion Ratio Lower Upper
112 100
64 57.0 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: 58.809 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

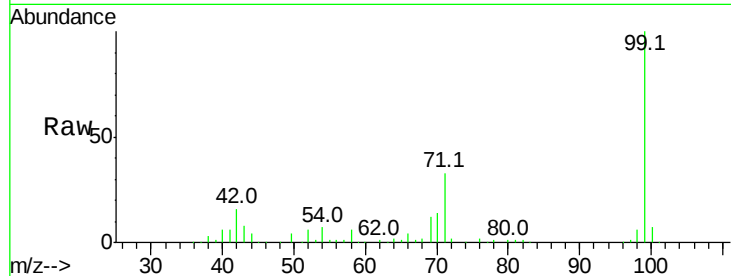
Tot Ion: 99 Resp: 228405

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

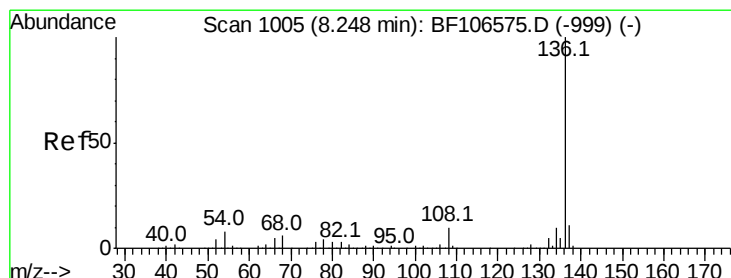
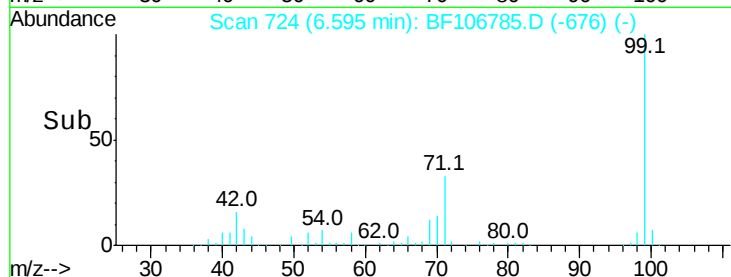
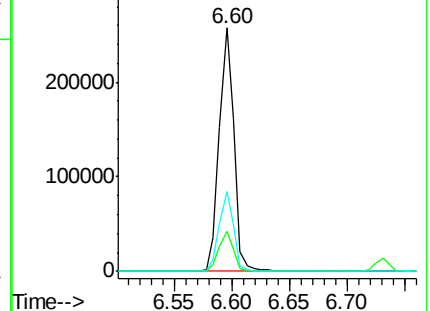
71 33.0 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Tgt Ion: 136 Resp: 199612

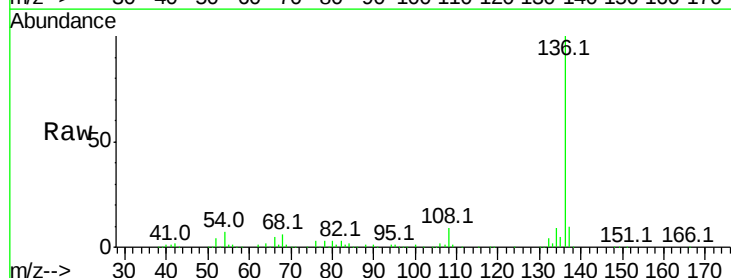
Ion Ratio Lower Upper

136 100

137 10.1 8.9 13.3

54 7.2 6.6 9.8

68 5.8 5.0 7.4

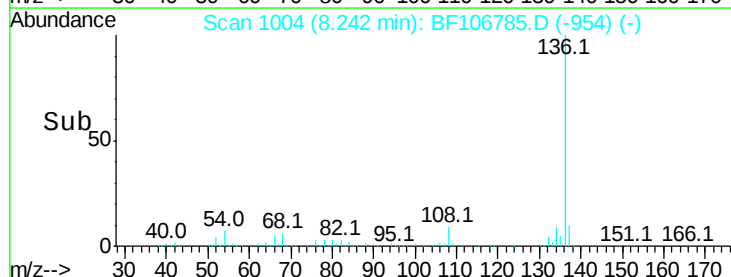
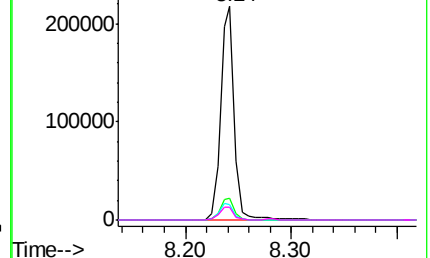


Abundance Ion 136.00 (135.70 to 136.70): E

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

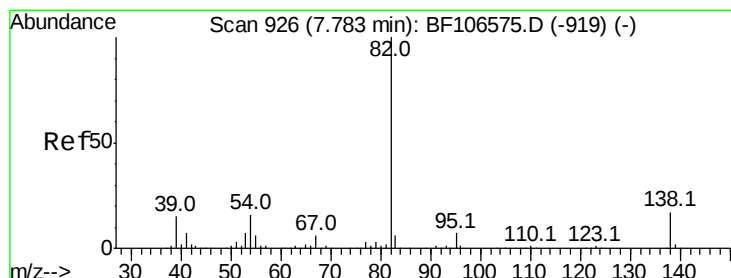
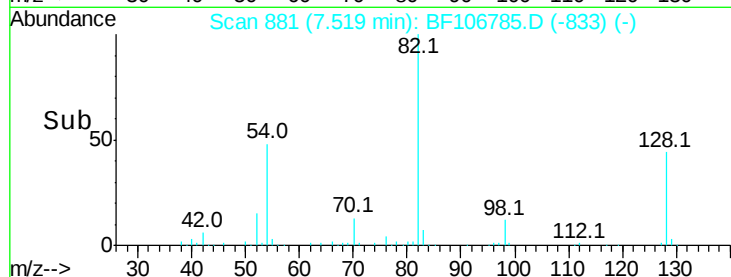
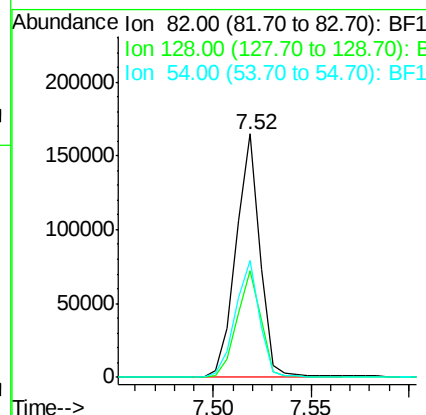
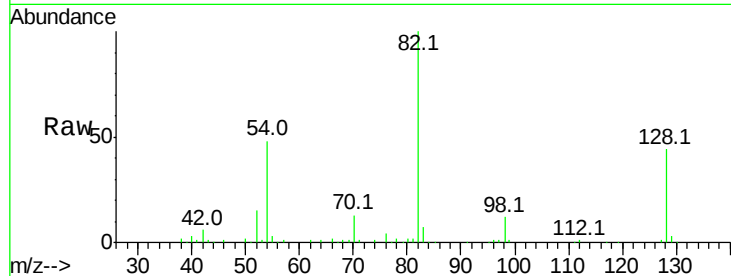




#23
 Nitrobenzene-d5
 Concen: 39.147 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

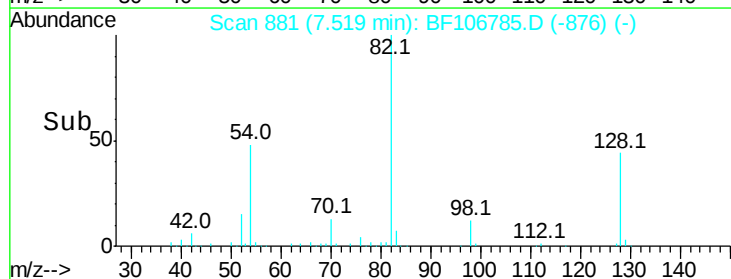
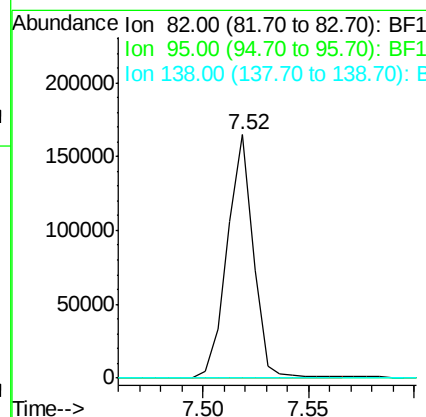
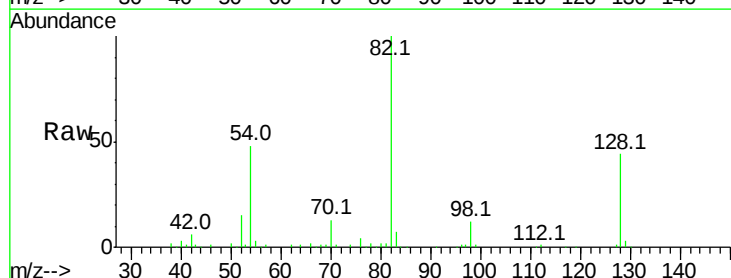
Instrument :
 BNA_F
 ClientSampleId :

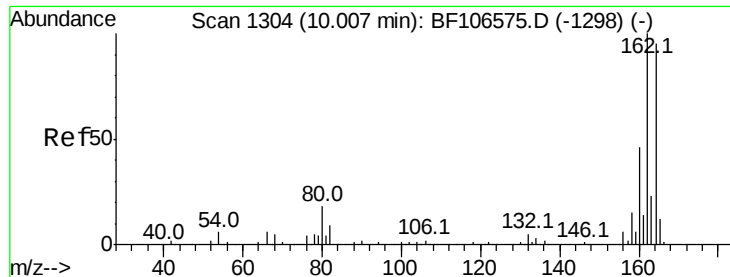
Tot Ion	82	Resp	140609
Ion Ratio	Lower	Upper	
82	100		
128	44.0	36.1	54.1
54	48.0	41.4	62.2



#25
 Isophorone
 Concen: 21.926 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.27 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Tgt Ion	82	Resp	138776
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

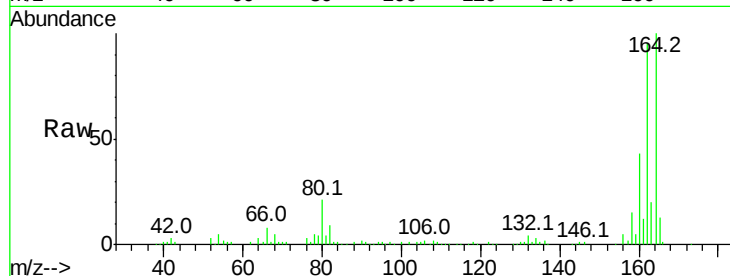
Tot Ion:164 Resp: 94294

Ion Ratio Lower Upper

164 100

162 95.4 86.1 129.1

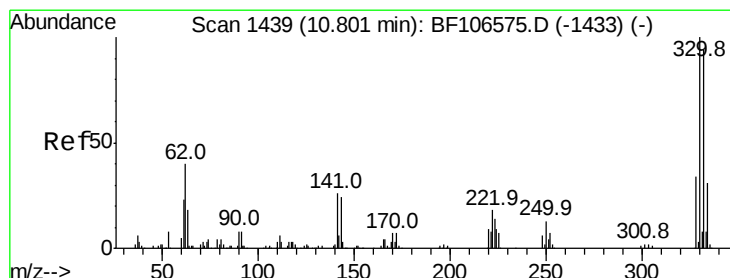
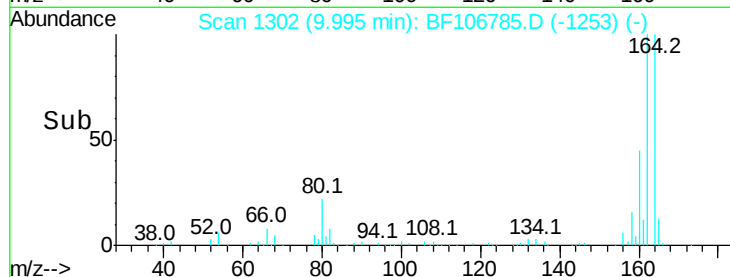
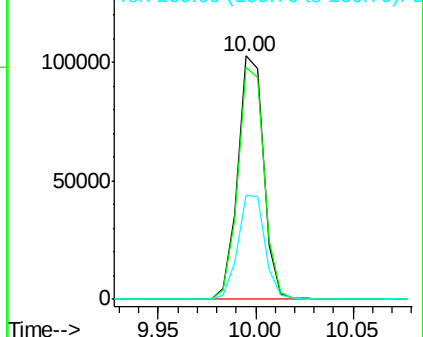
160 42.7 38.3 57.5



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: 57.820 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

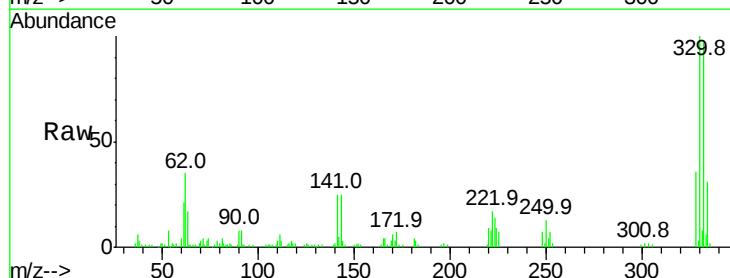
Tgt Ion:330 Resp: 63191

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

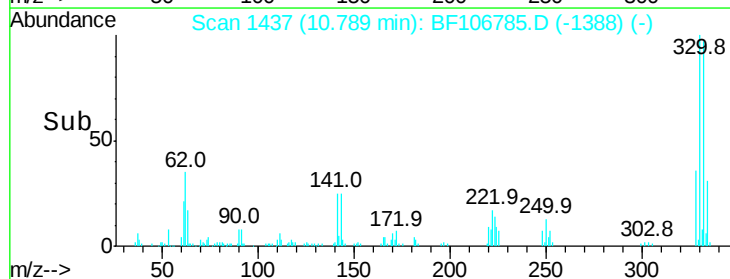
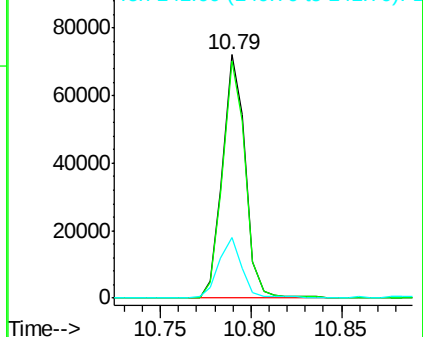
141 25.4 29.9 44.9#

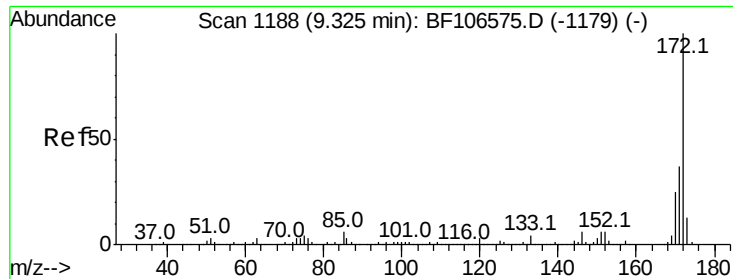


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

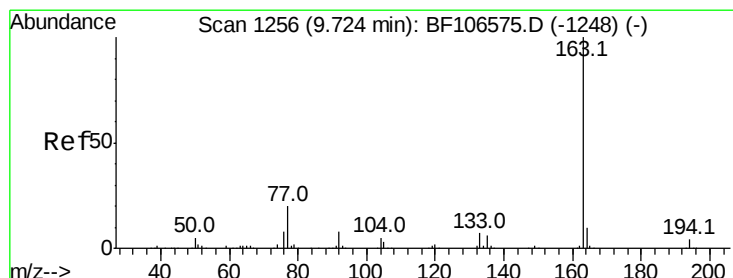
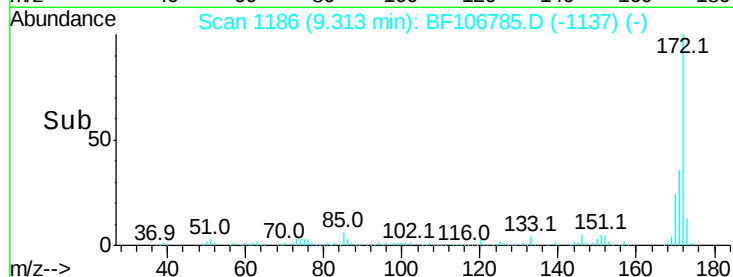
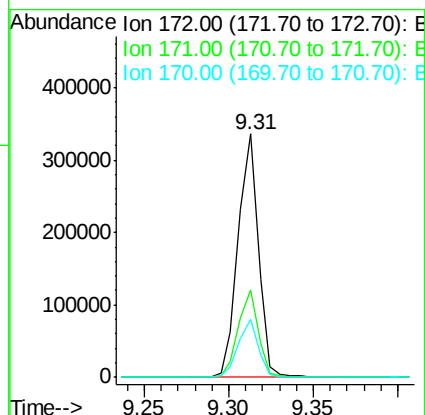
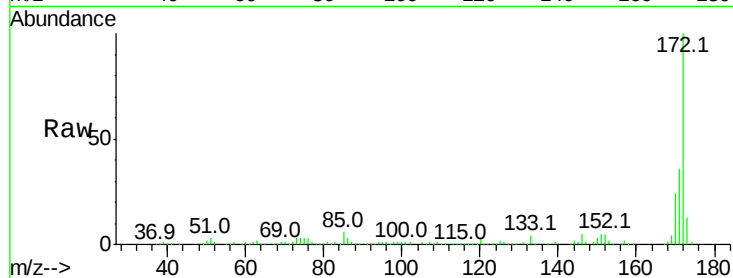




#44
 2-Fluorobiphenyl
 Concen: 43.397 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

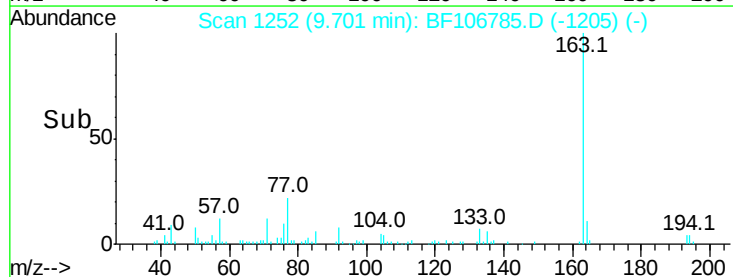
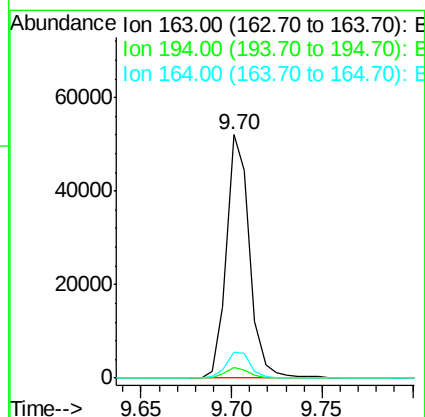
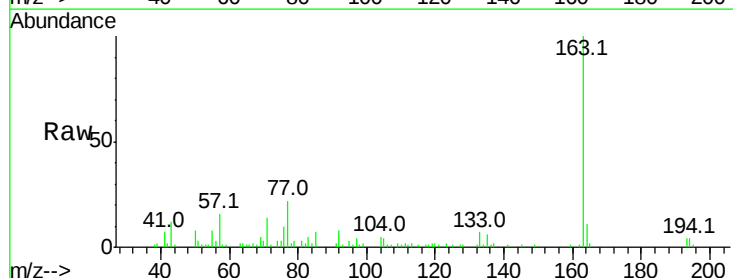
Instrument :
 BNA_F
 ClientSampleId :

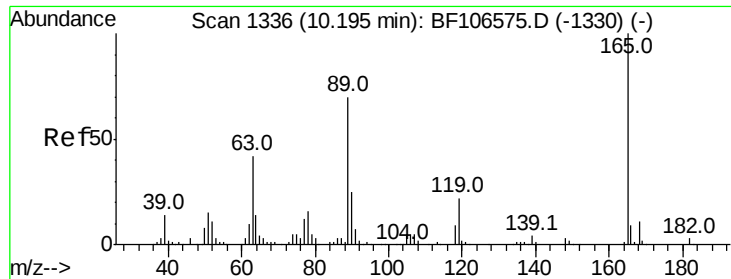
Tot Ion:172 Resp: 281981
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.8 19.6 29.4



#49
 Dimethylphthalate
 Concen: 6.543 ng
 RT: 9.70 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Tgt Ion:163 Resp: 46276
 Ion Ratio Lower Upper
 163 100
 194 4.4 2.7 4.1#
 164 10.6 8.2 12.2





#56

2,4-Dinitrotoluene

Concen: 6.729 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF106785.D

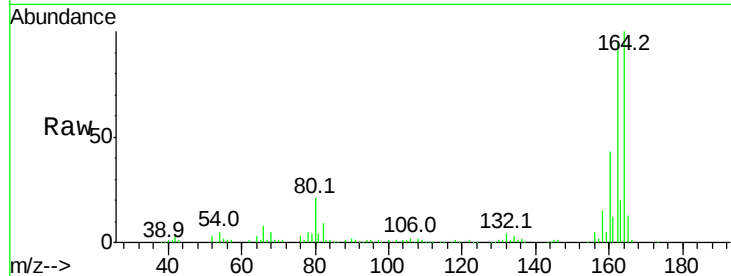
Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	13153
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#

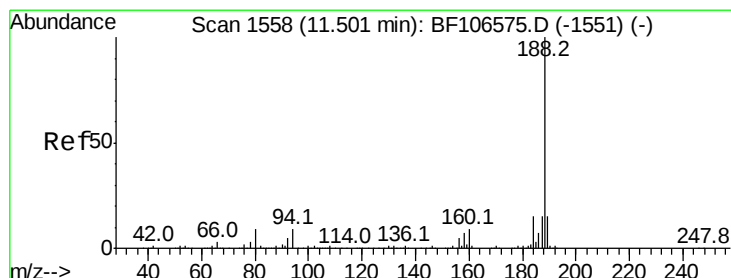
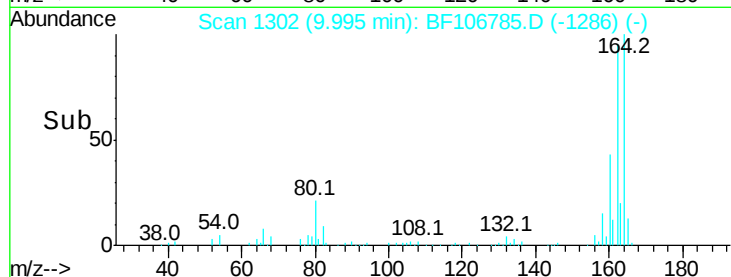
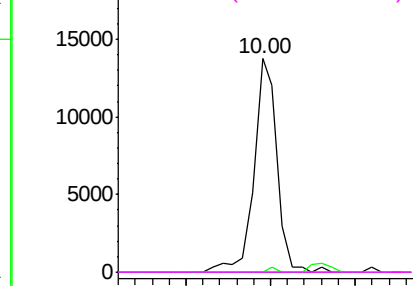


Abundance Ion 165.00 (164.70 to 165.70): E

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

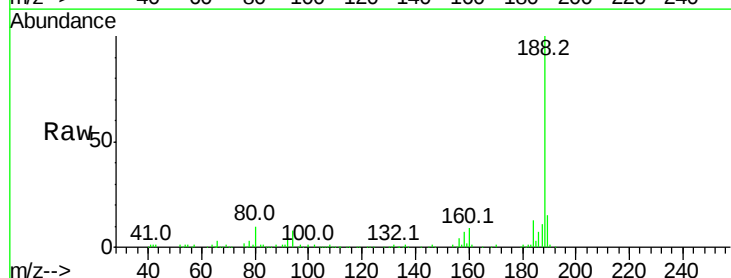
RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

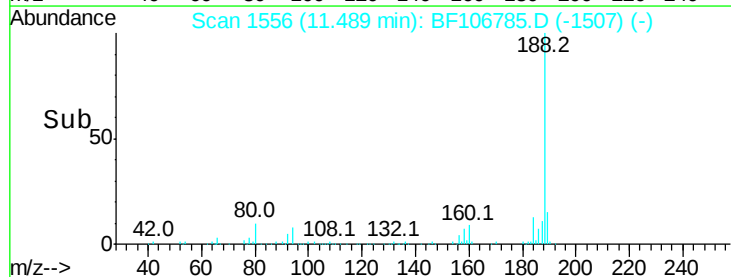
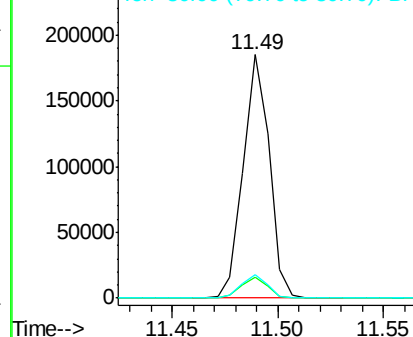
Tgt Ion:188	Resp:	158117
Ion Ratio	Lower	Upper
188	100	
94	8.5	8.5 12.7
80	9.6	9.2 13.8

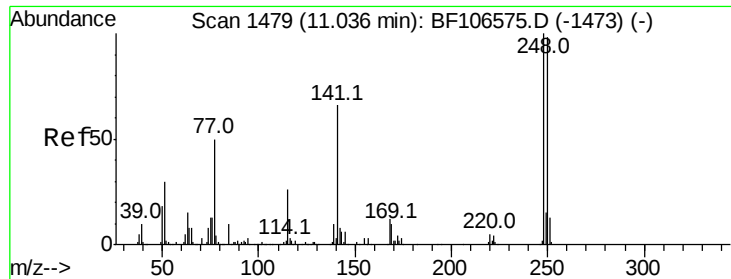


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

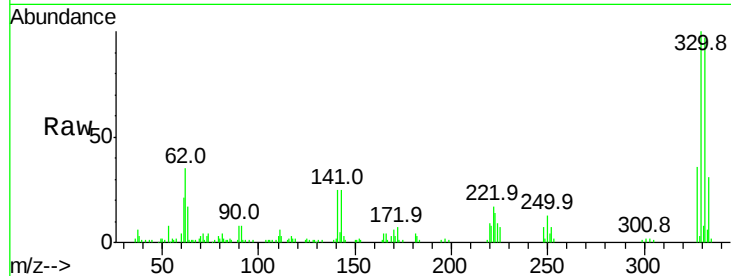




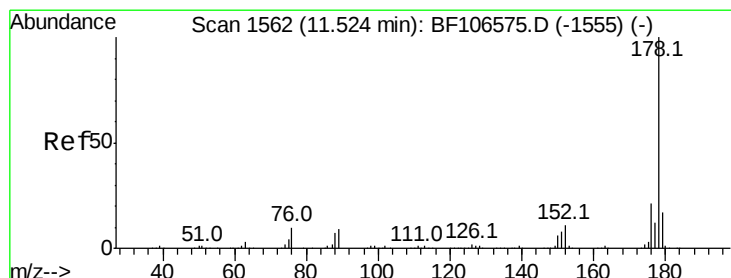
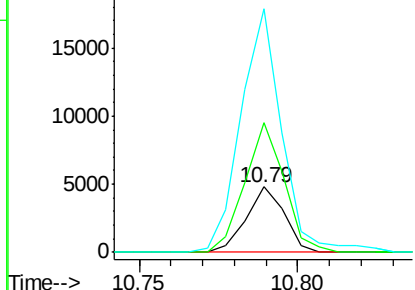
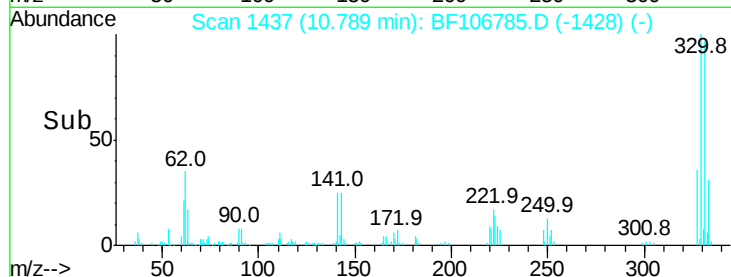
#66
4-Bromophenyl-phenylether
Concen: 2.113 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 3988
Ion Ratio Lower Upper
248 100
250 197.4 76.9 115.3#
141 371.8 74.4 111.6#

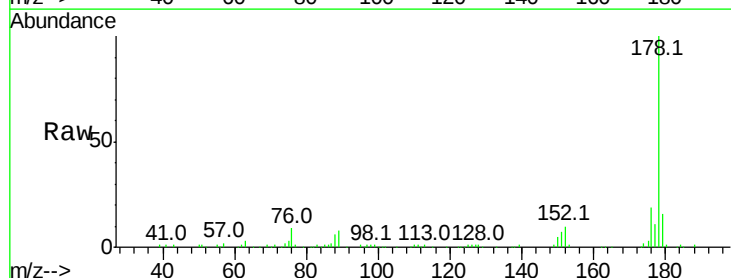


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

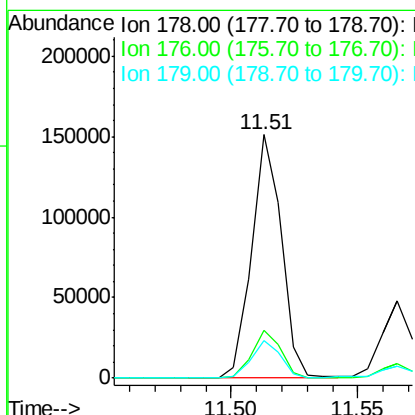
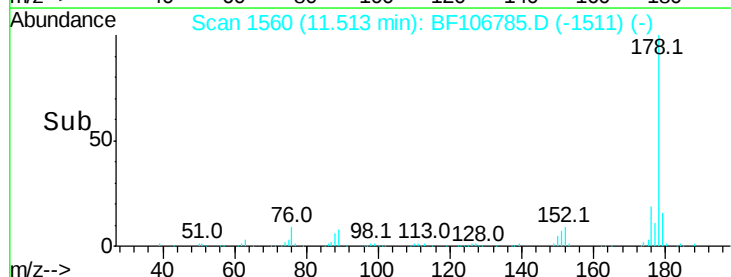


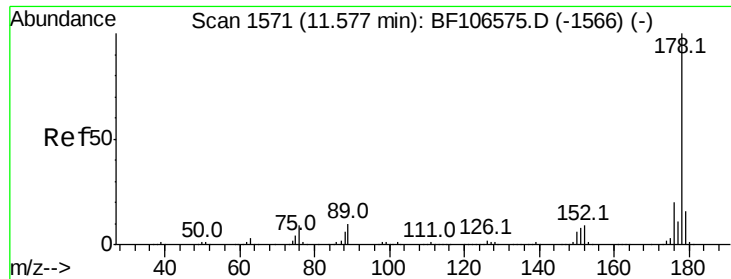
#70
Phenanthrene
Concen: 16.280 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Tgt Ion:178 Resp: 124156
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.7 13.0 19.6



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

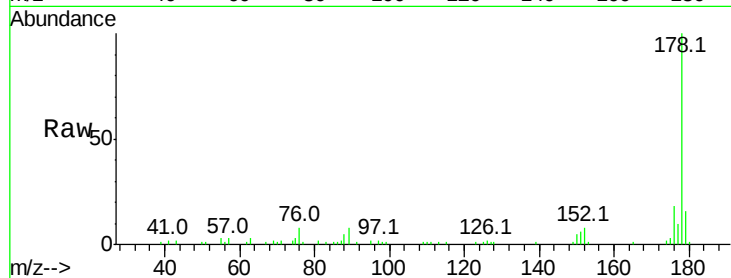




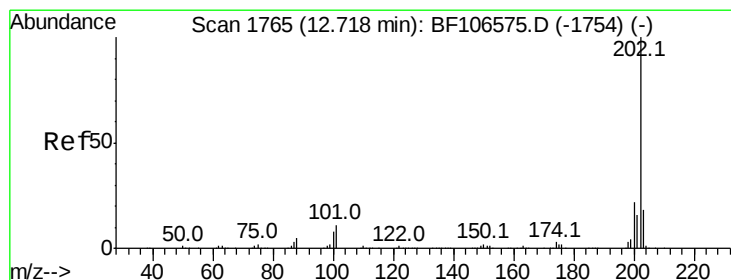
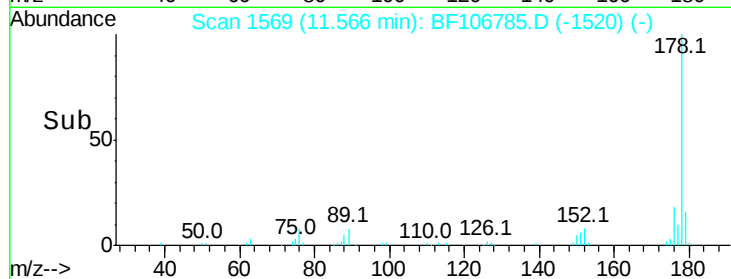
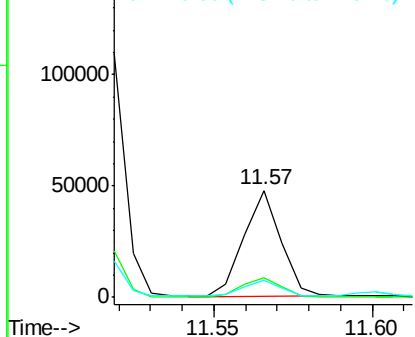
#71
 Anthracene
 Concen: 4.957 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 38583
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.5 12.6 19.0

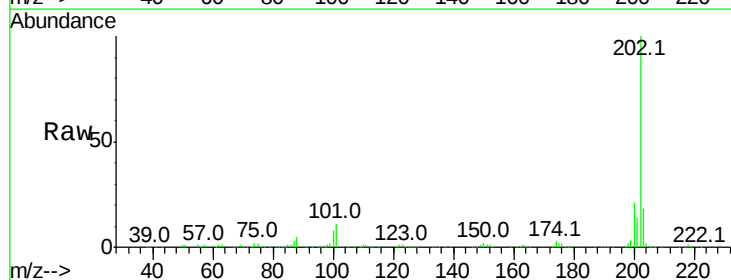


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

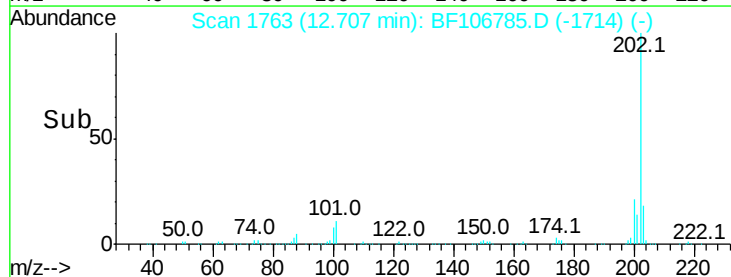
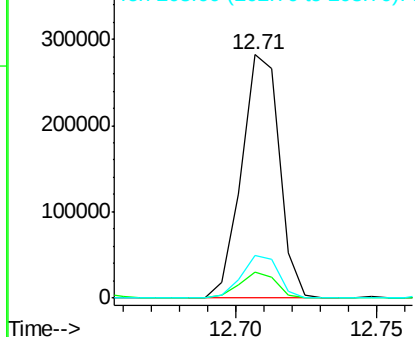


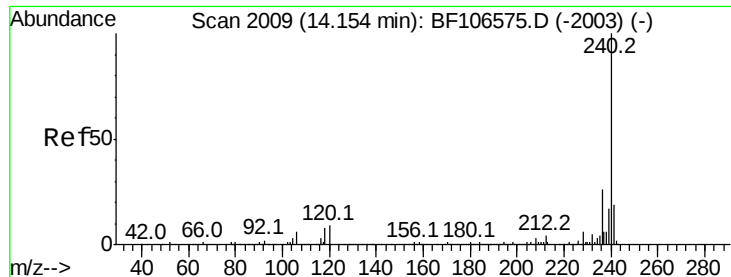
#74
 Fluoranthene
 Concen: 31.371 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Tgt Ion:202 Resp: 263698
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 34.1
 203 17.7 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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Instrument :

BNA_F

ClientSampleId :

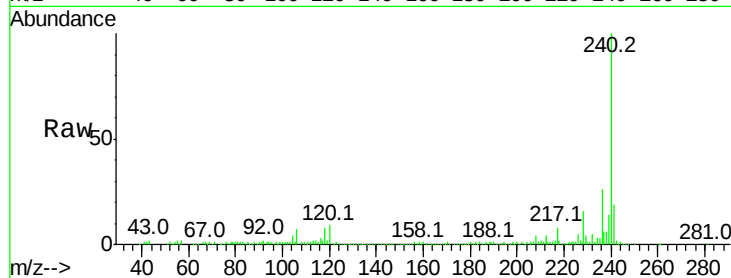
Tot Ion:240 Resp: 140671

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

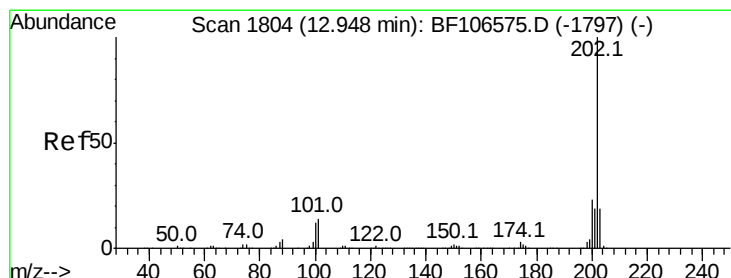
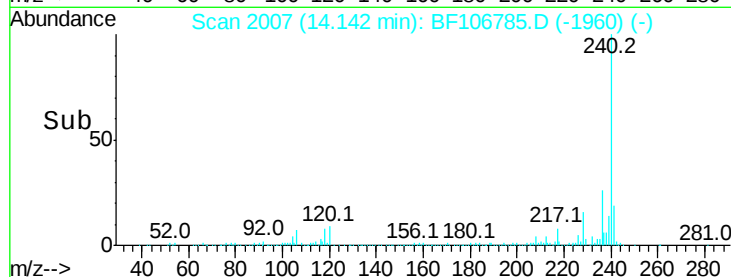
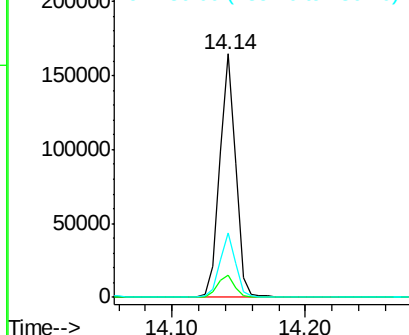
236 26.3 20.7 31.1



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: 24.504 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

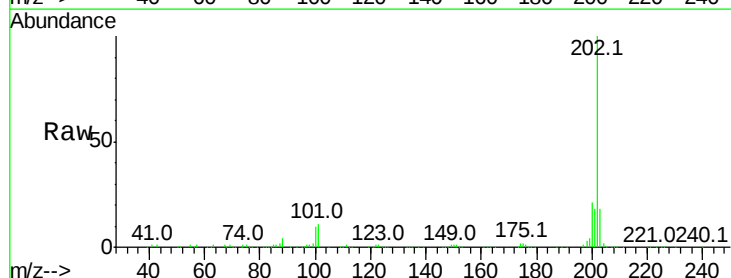
Tgt Ion:202 Resp: 227310

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

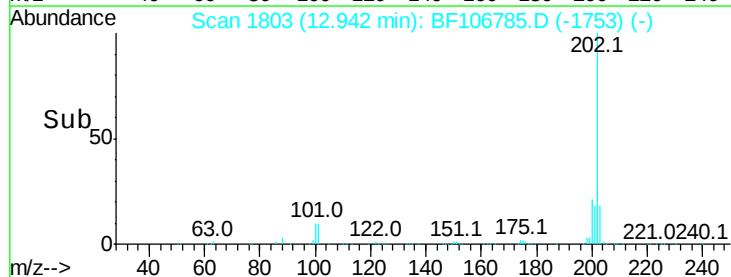
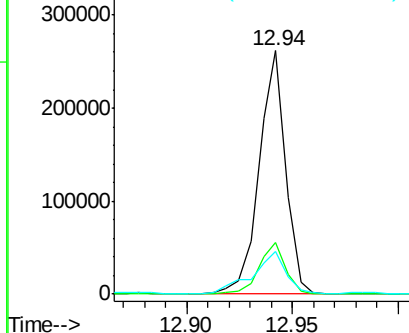
203 17.8 14.3 21.5

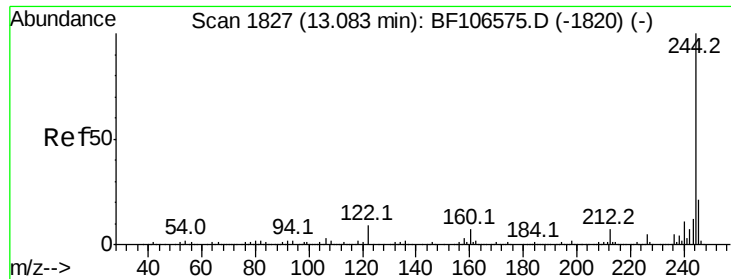


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

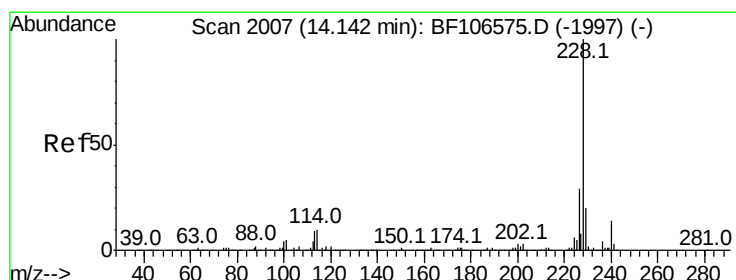
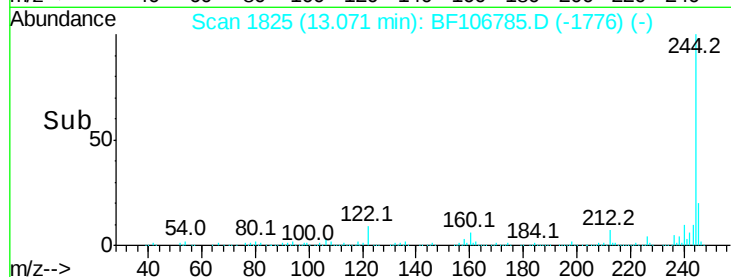
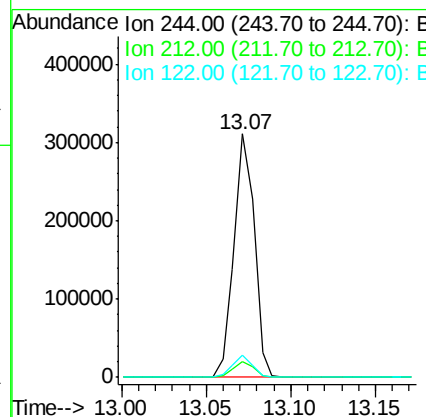
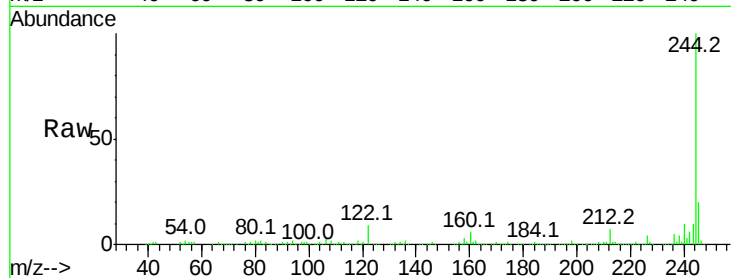




#78
 Terphenyl-d14
 Concen: 44.841 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

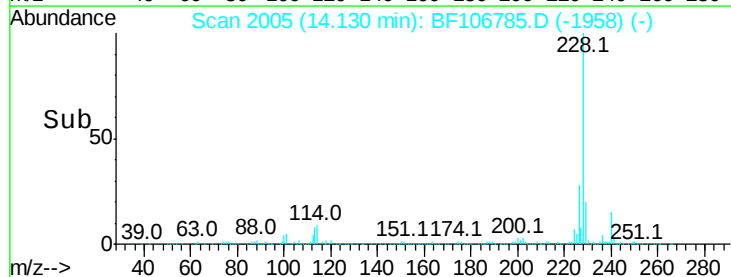
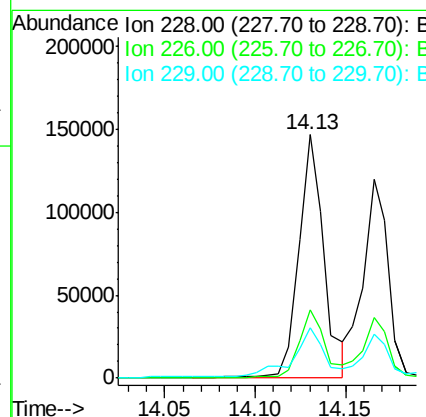
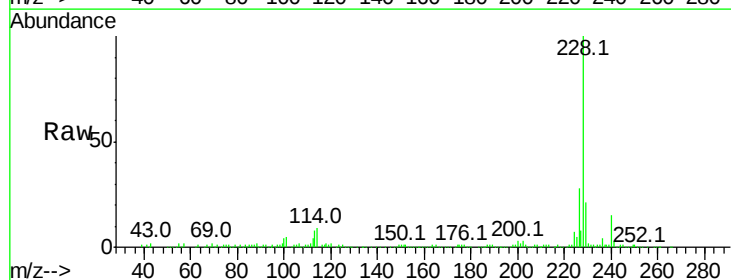
Instrument :
 BNA_F
 ClientSampleId :

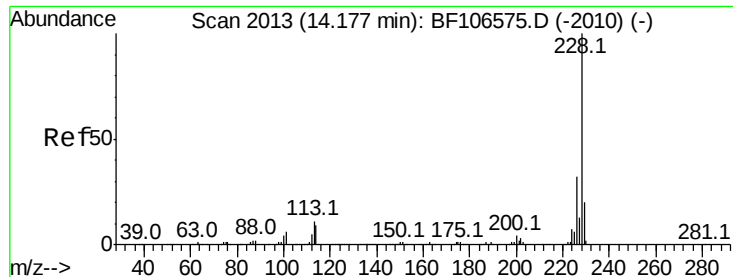
Tot Ion:244 Resp: 260407
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 16.520 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF106785.D
 Acq: 25 Jun 2018 21:28

Tgt Ion:228 Resp: 141636
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 33.8
 229 20.5 15.8 23.6





#82

Chrysene

Concen: 14.665 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

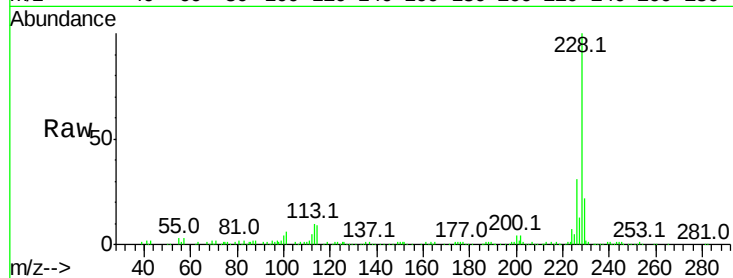
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 115667

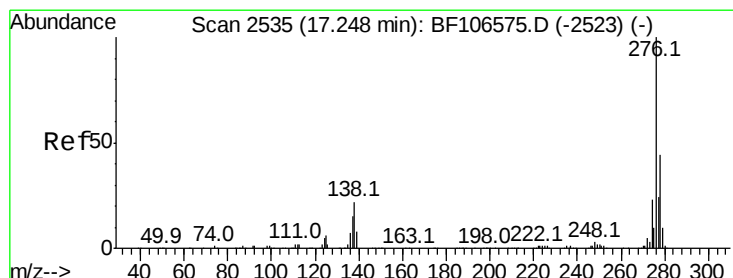
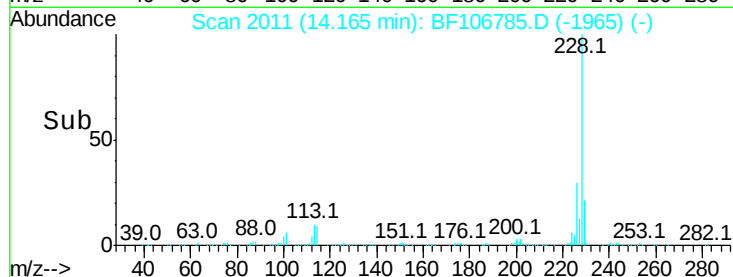
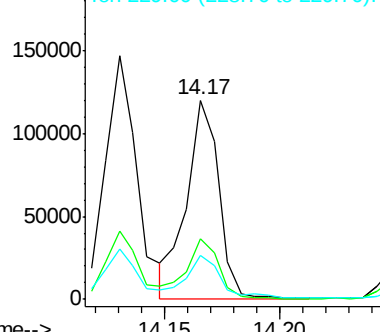
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.4	16.2	24.4



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: 7.859 ng

RT: 17.25 min Scan# 2535

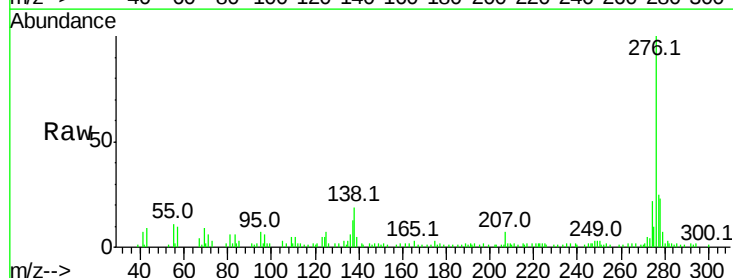
Delta R.T. -0.06 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Tgt Ion:276 Resp: 52608

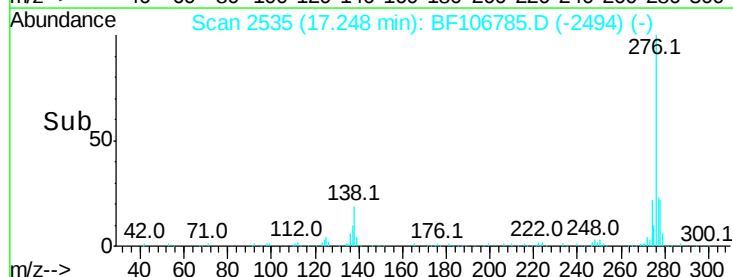
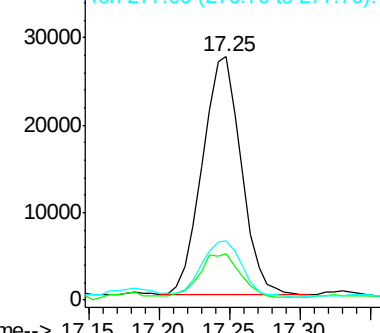
Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.0	37.6#
277	24.8	20.1	30.1

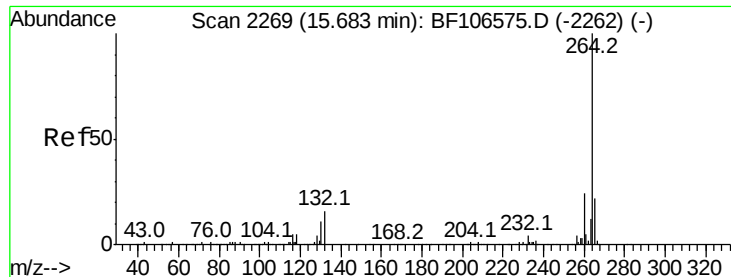


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

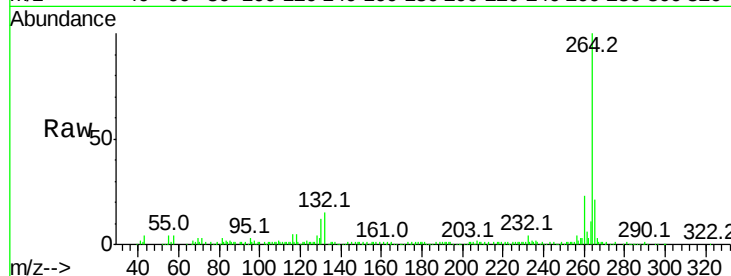




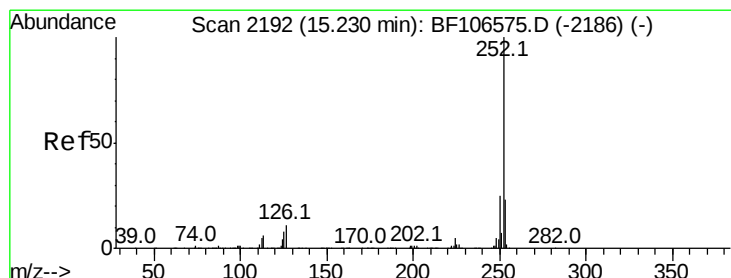
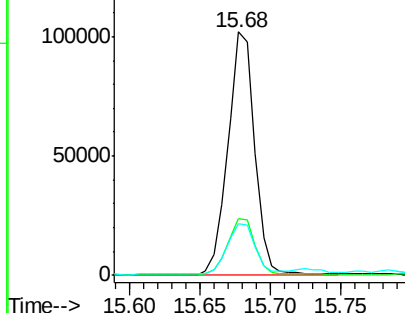
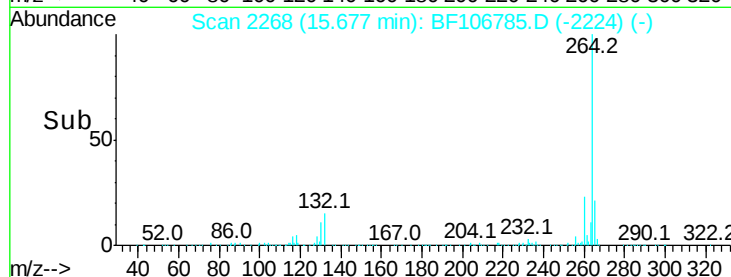
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 133610
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.4 17.5 26.3

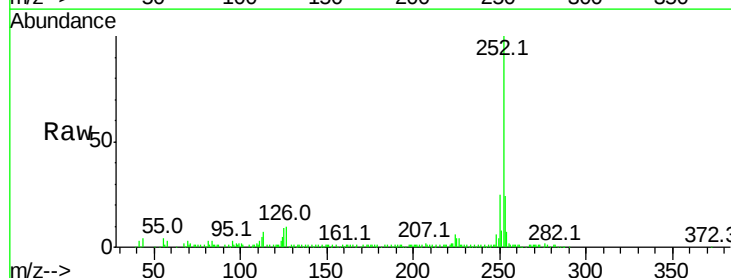


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

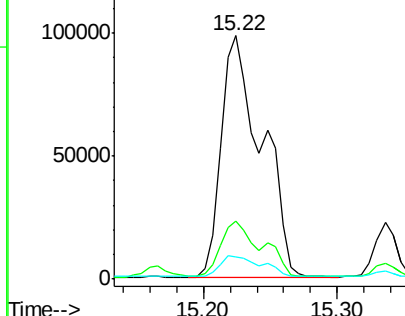
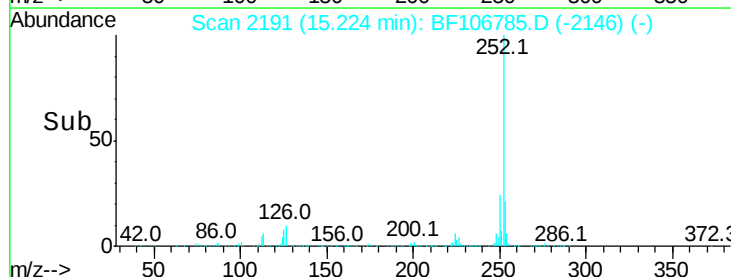


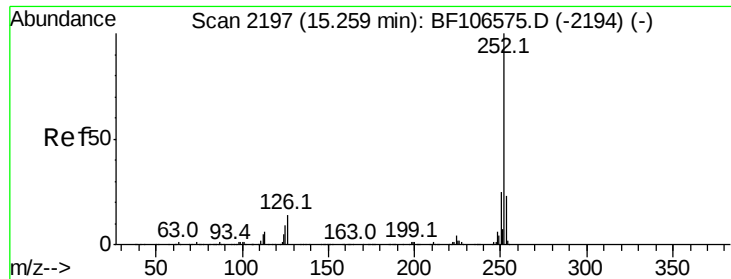
#87
Benzo(b)fluoranthene
Concen: 25.389 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Tgt Ion:252 Resp: 210720
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 9.1 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

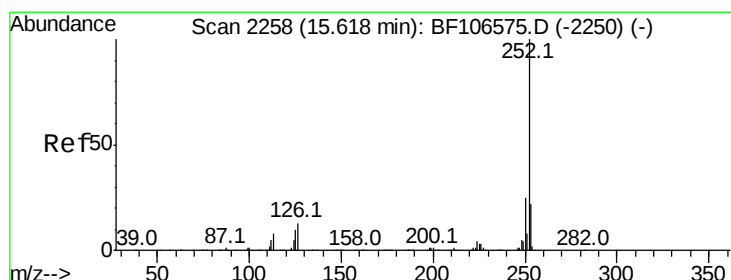
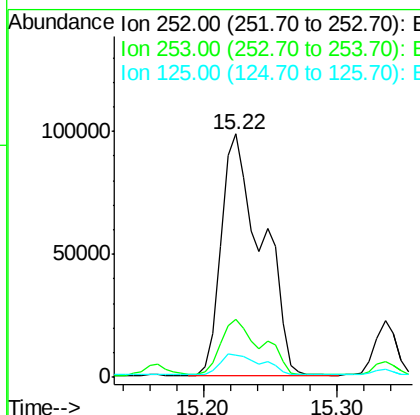
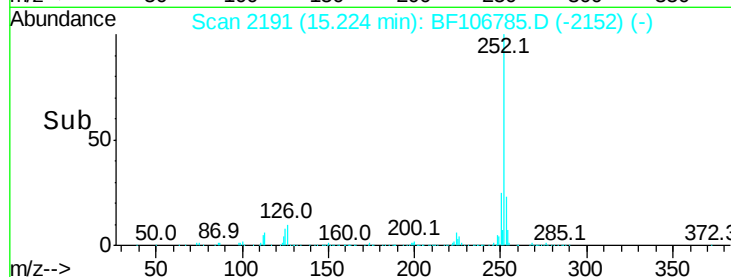
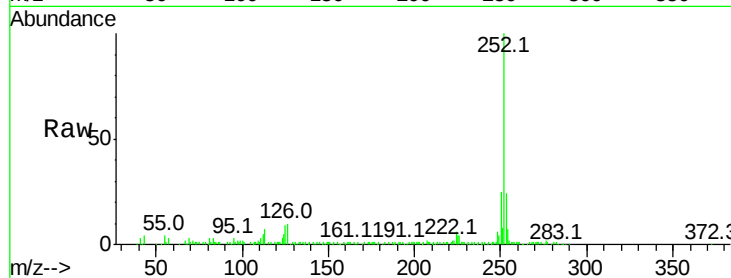




#88
Benzo(k)fluoranthene
Concen: 26.660 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

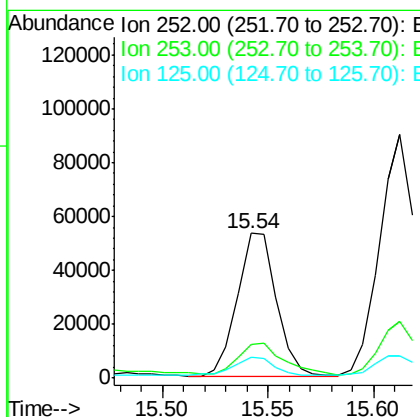
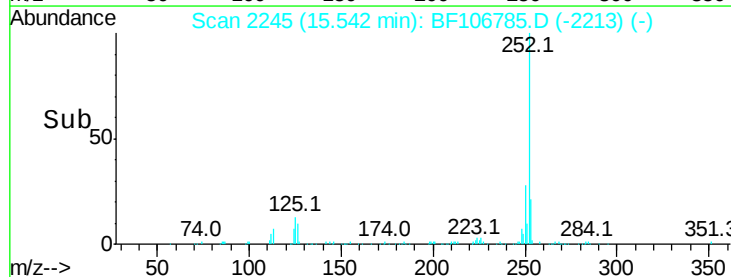
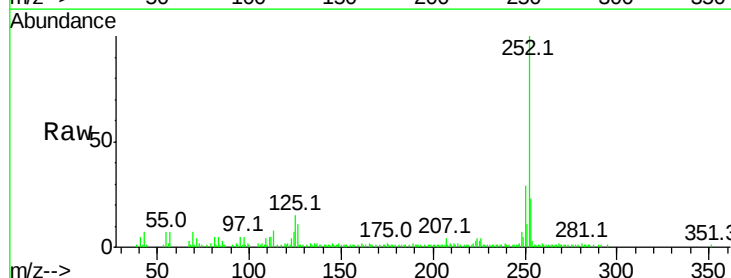
Instrument :
BNA_F
ClientSampleId :

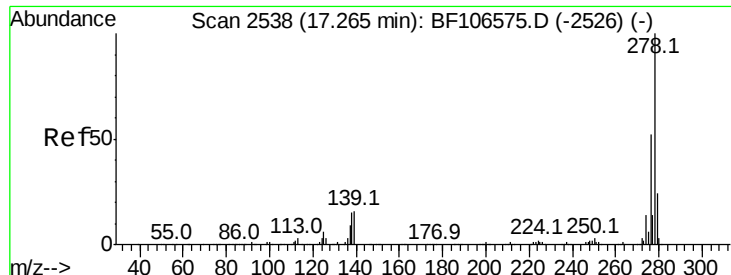
Tot Ion:252 Resp: 210720
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 9.1 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 9.354 ng
RT: 15.54 min Scan# 2245
Delta R.T. -0.11 min
Lab File: BF106785.D
Acq: 25 Jun 2018 21:28

Tgt Ion:252 Resp: 69016
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 14.5 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.055 ng

RT: 17.44 min Scan# 2567

Delta R.T. 0.11 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

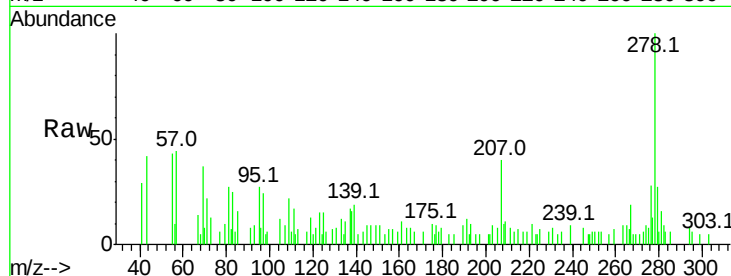
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 12847

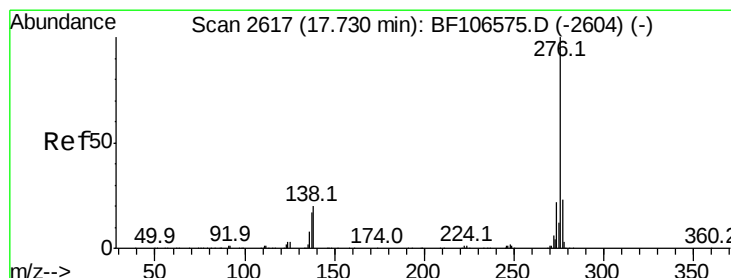
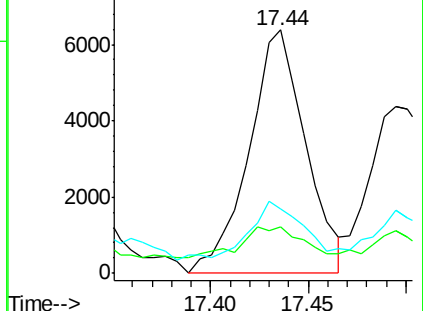
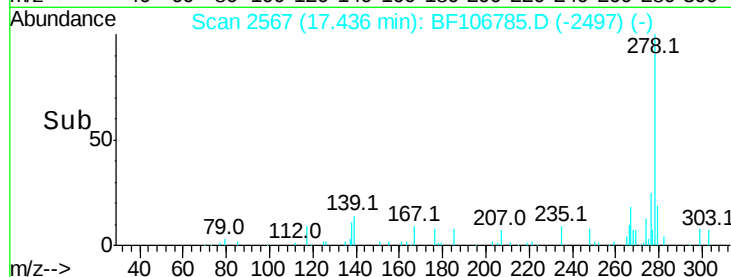
Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.9	23.9
279	26.7	19.0	28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.119 ng

RT: 17.72 min Scan# 2616

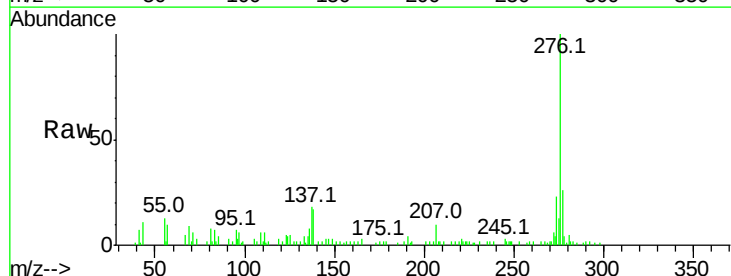
Delta R.T. -0.06 min

Lab File: BF106785.D

Acq: 25 Jun 2018 21:28

Tgt Ion:276 Resp: 49625

Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	17.3	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

