

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
 Data File : BF106792.D
 Acq On : 26 Jun 2018 00:33
 Operator : JU/SJ
 Sample : J3240-05 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 02:12:39 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	6.96	152	45860	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	167652	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	72388	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	137336	20.00	ng	0.00
75) Chrysene-d12	14.15	240	125470	20.00	ng	-0.02
86) Perylene-d12	15.69	264	89505	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	125622	46.38	ng	0.00
7) Phenol-d6	6.60	99	155993	46.12	ng	-0.02
23) Nitrobenzene-d5	7.52	82	89312	29.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	37517	44.72	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	179939	33.06	ng	-0.01
78) Terphenyl-d14	13.08	244	204142	39.41	ng	0.00

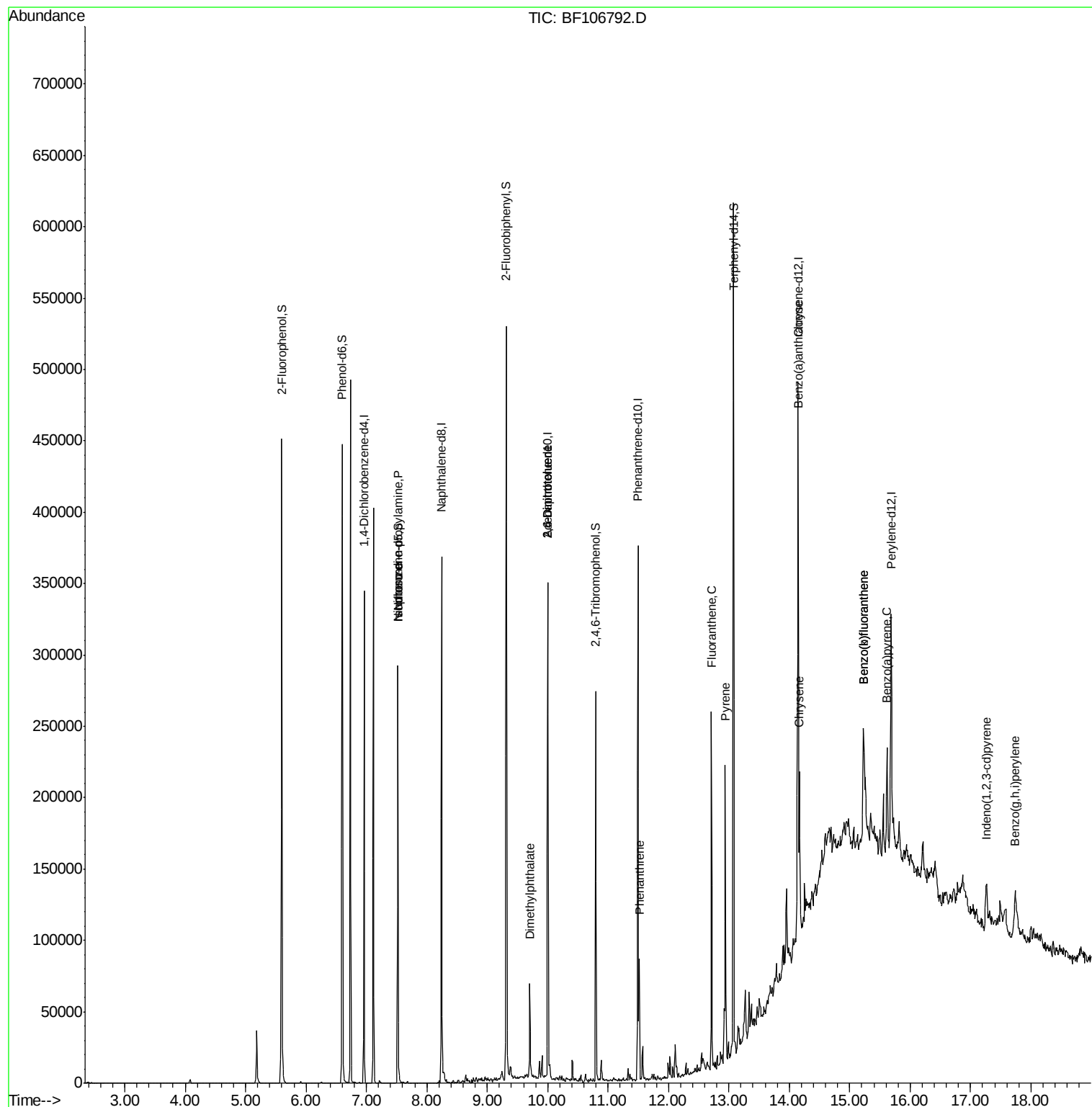
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	11548	5.180	ng	# 75
25) Isophorone	7.52	82	89312	16.801	ng	# 64
49) Dimethylphthalate	9.71	163	25700	4.734	ng	# 97
50) 2,6-Dinitrotoluene	10.00	165	9147	7.956	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	9147	6.096	ng	# 21
70) Phenanthrene	11.52	178	29163	4.403	ng	99
74) Fluoranthene	12.71	202	95410	13.068	ng	95
77) Pyrene	12.94	202	85991	10.393	ng	98
80) Benzo(a)anthracene	14.14	228	53293	6.969	ng	99
82) Chrysene	14.17	228	42525	6.045	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	21688	3.633	ng	# 92
87) Benzo(b)fluoranthene	15.23	252	63947	11.501	ng	# 93
88) Benzo(k)fluoranthene	15.23	252	63947	12.077	ng	95
89) Benzo(a)pyrene	15.62	252	33465	6.771	ng	97
91) Benzo(a,h,i)perylene	17.74	276	27164	6.635	ng	# 91

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

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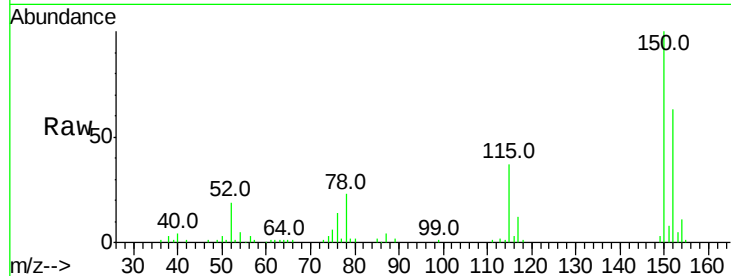


#1

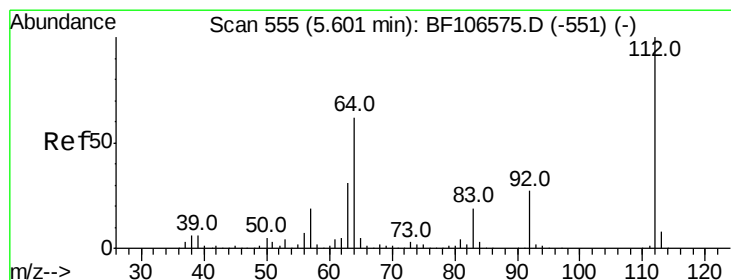
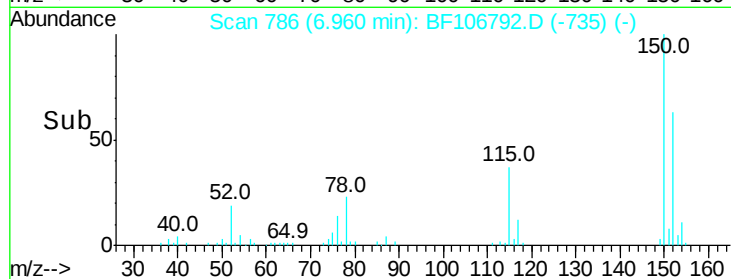
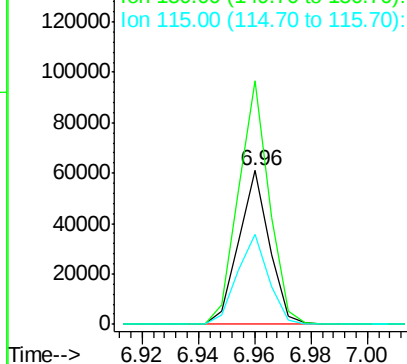
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 45860
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 58.7 50.1 75.1



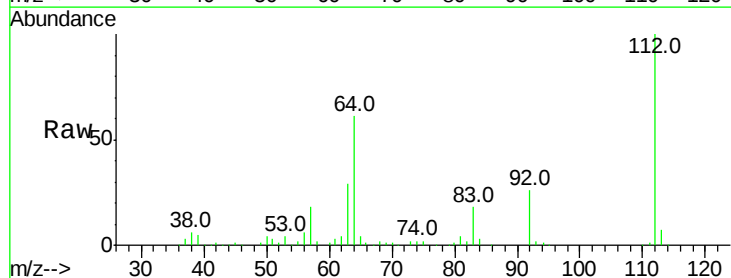
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



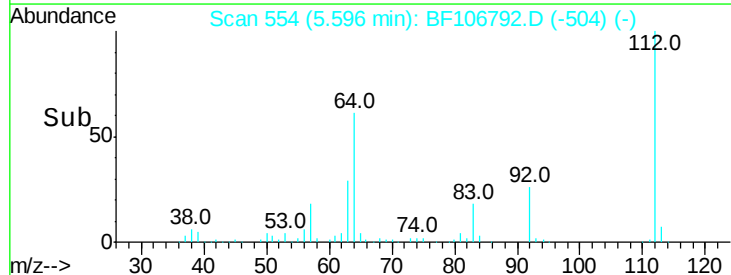
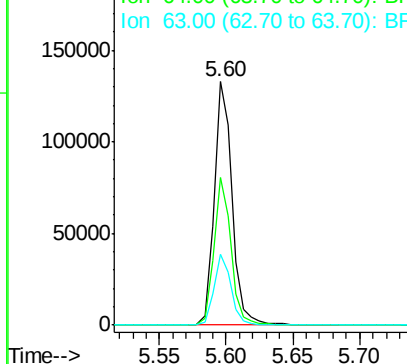
#5

2-Fluorophenol
Concen: 46.384 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

Tgt Ion:112 Resp: 125622
Ion Ratio Lower Upper
112 100
64 60.6 47.9 71.9
63 29.1 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: 46.123 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106792.D

Acq: 26 Jun 2018 00:33

Instrument :

BNA_F

ClientSampleId :

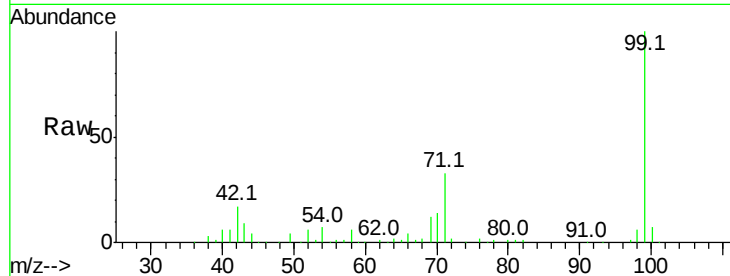
Tot Ion: 99 Resp: 155993

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

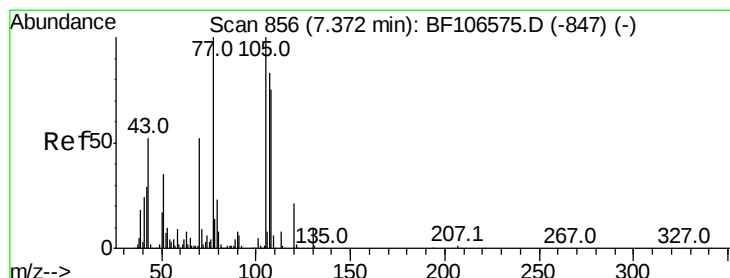
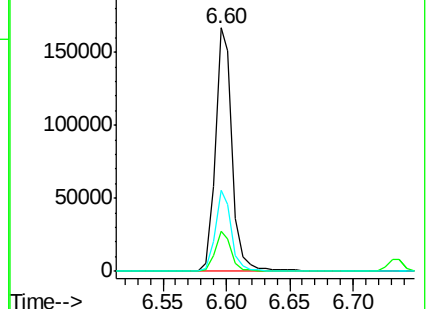
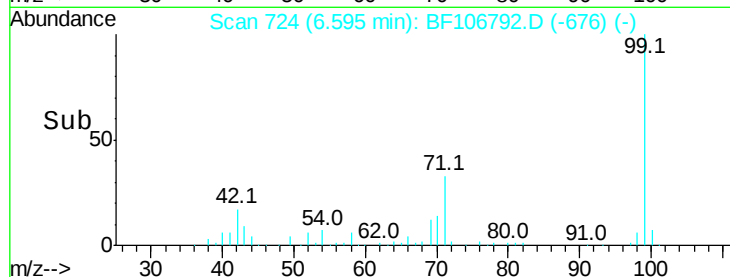
71 33.4 25.4 38.0



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: 5.180 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF106792.D

Acq: 26 Jun 2018 00:33

Tgt Ion: 70 Resp: 11548

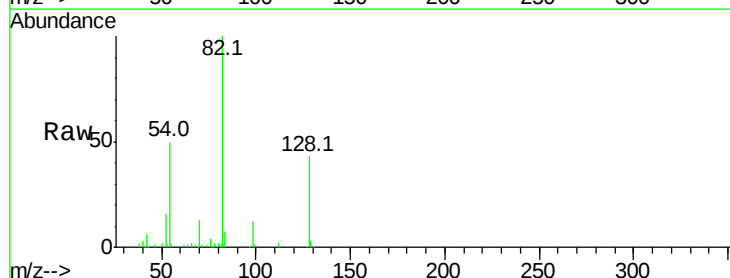
Ion Ratio Lower Upper

70 100

42 44.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

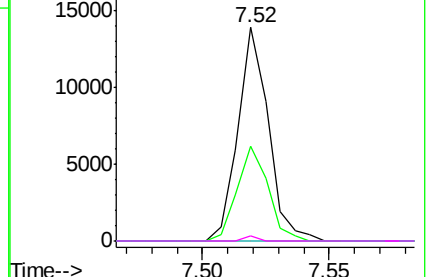
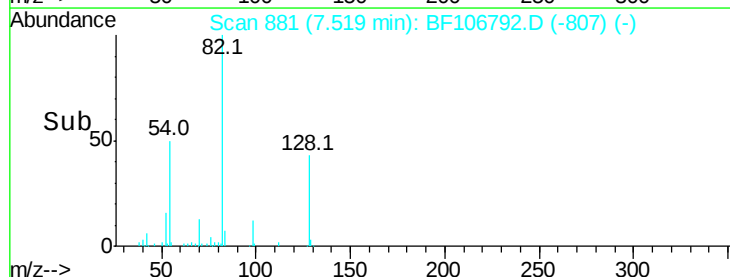


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF106792.D

Acq: 26 Jun 2018 00:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 167652

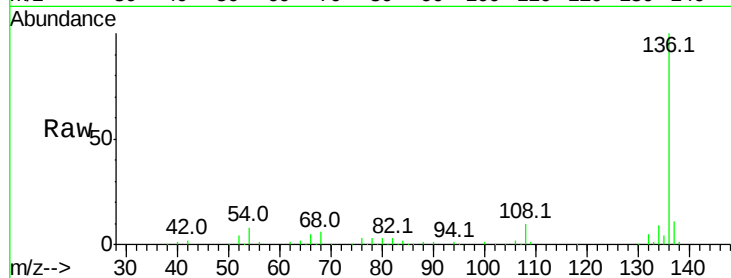
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.9 6.6 9.8

68 6.5 5.0 7.4

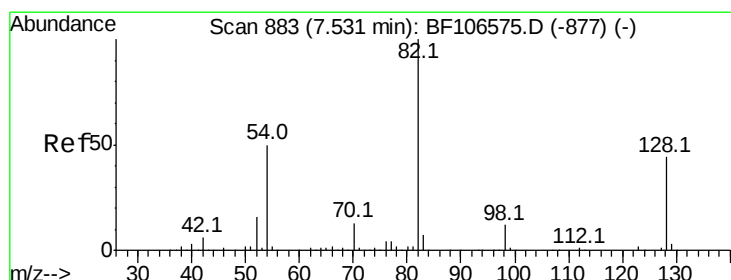
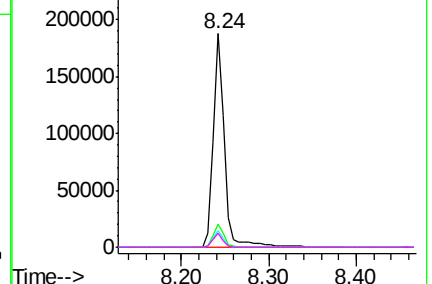
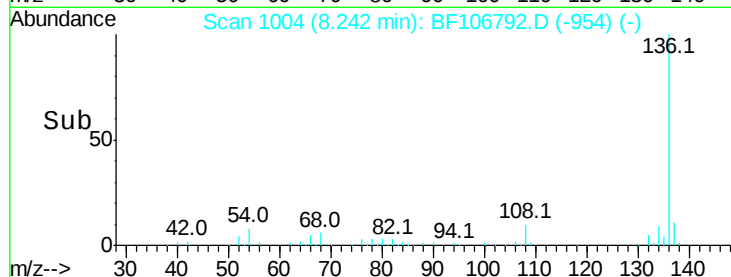


Abundance Ion 136.00 (135.70 to 136.70): E

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: 29.605 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF106792.D

Acq: 26 Jun 2018 00:33

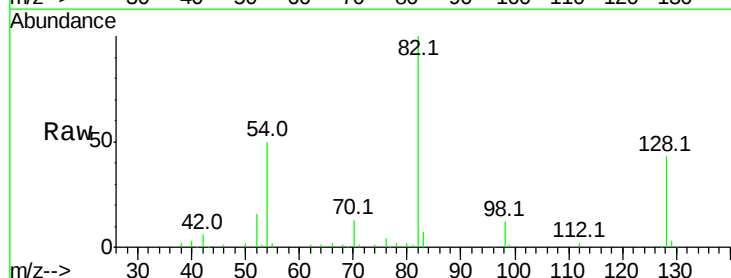
Tgt Ion: 82 Resp: 89312

Ion Ratio Lower Upper

82 100

128 42.7 36.1 54.1

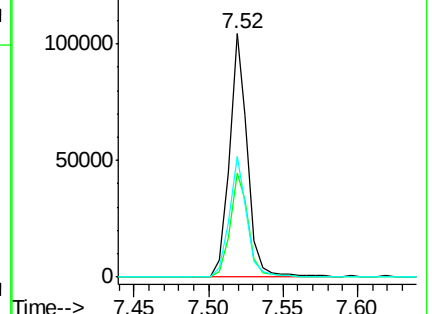
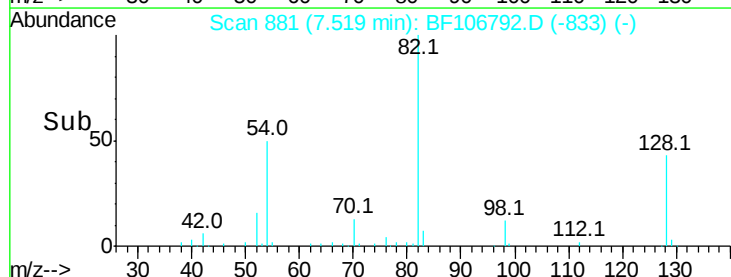
54 49.8 41.4 62.2

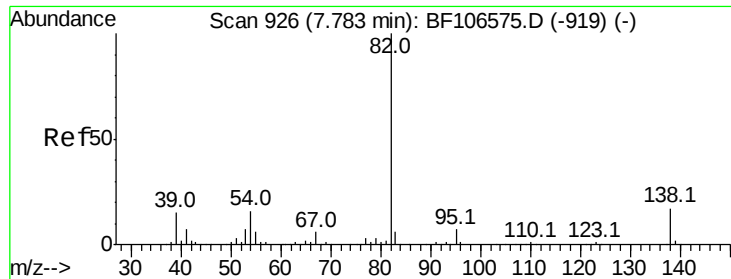


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.801 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF106792.D

Acq: 26 Jun 2018 00:33

Instrument :

BNA_F

ClientSampleId :

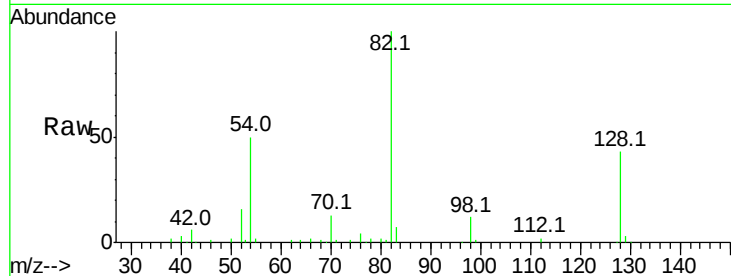
Tot Ion: 82 Resp: 89312

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

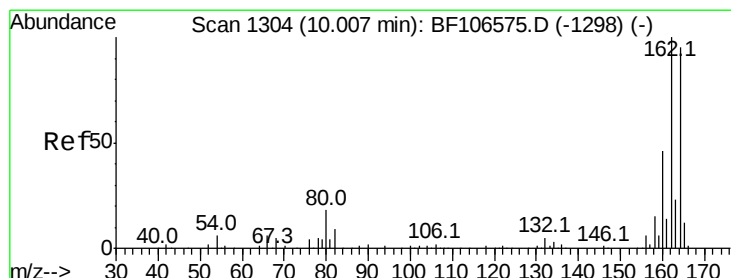
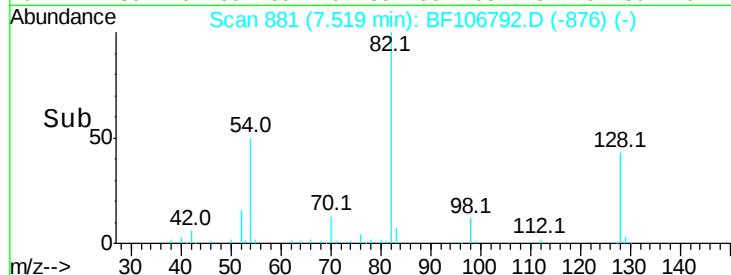
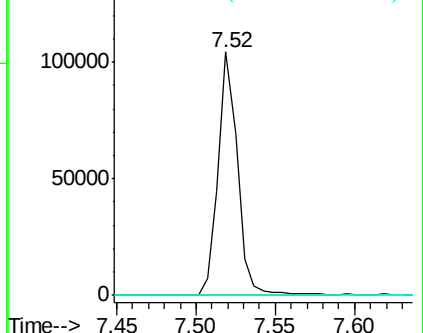
138 0.0 14.9 22.3#



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: BF106792.D

Acq: 26 Jun 2018 00:33

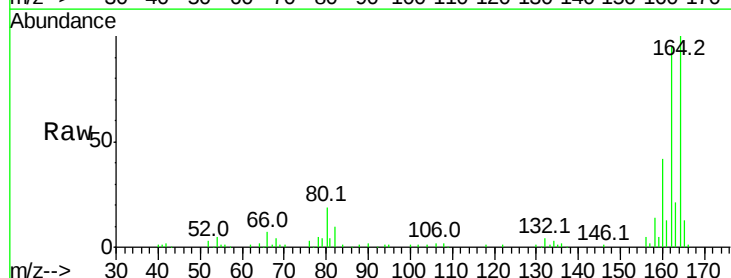
Tgt Ion:164 Resp: 72388

Ion Ratio Lower Upper

164 100

162 94.7 86.1 129.1

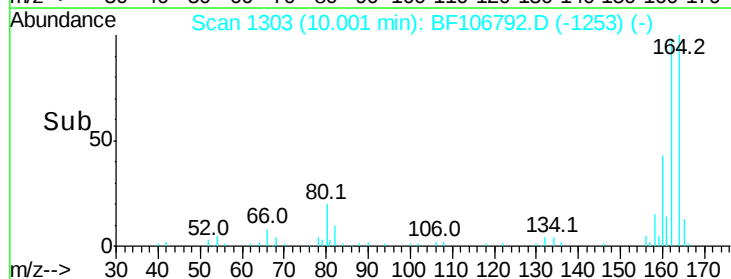
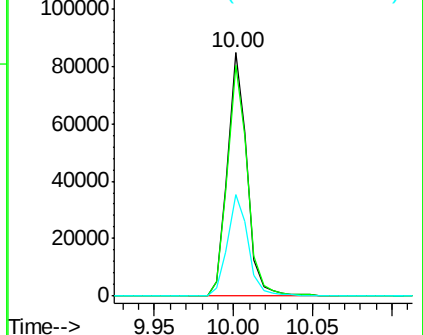
160 41.6 38.3 57.5

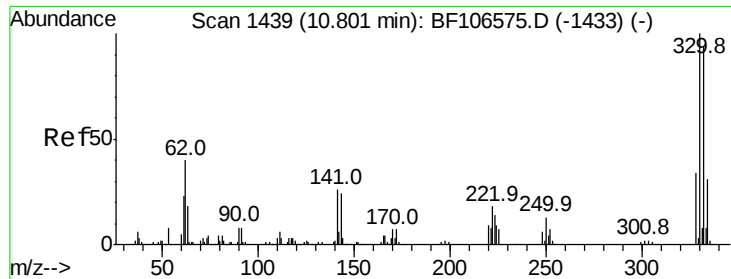


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

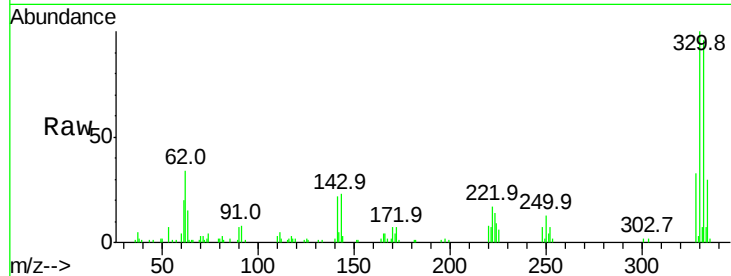




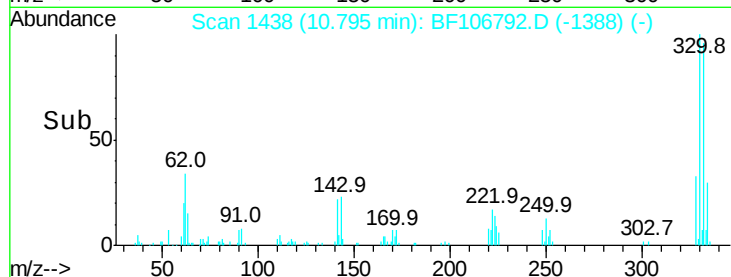
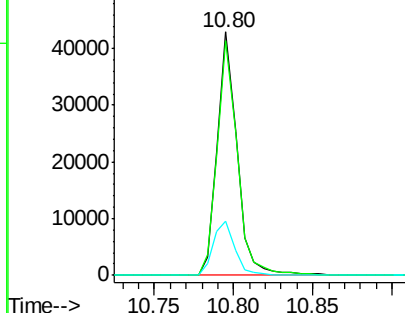
#41
 2,4,6-Tribromophenol
 Concen: 44.717 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106792.D
 Acq: 26 Jun 2018 00:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 37517
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 24.3 29.9 44.9#

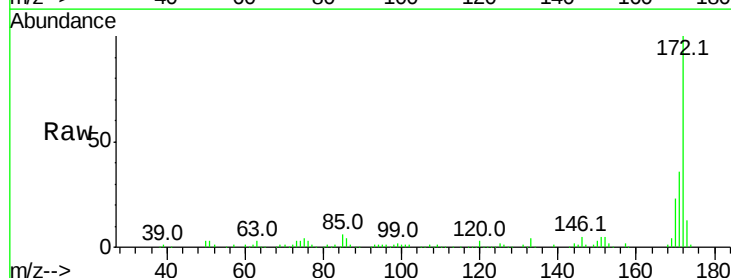


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

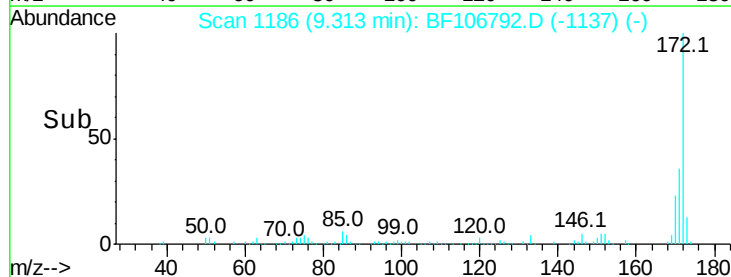
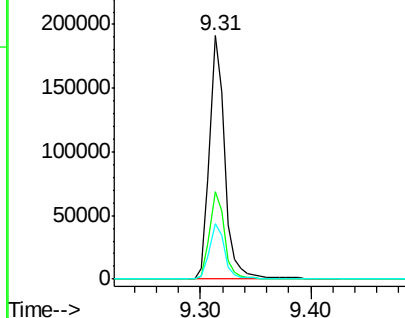


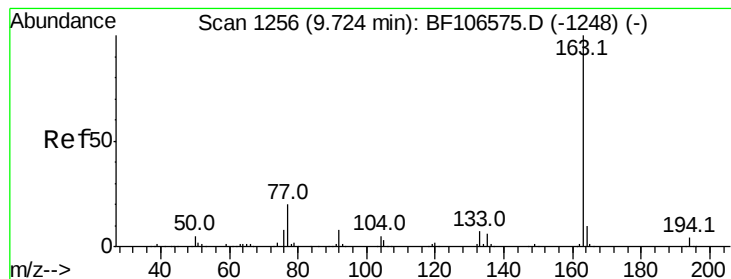
#44
 2-Fluorobiphenyl
 Concen: 33.061 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106792.D
 Acq: 26 Jun 2018 00:33

Tgt Ion:172 Resp: 179939
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 22.7 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: 4.734 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106792.D

Acq: 26 Jun 2018 00:33

Instrument :

BNA_F

ClientSampleId :

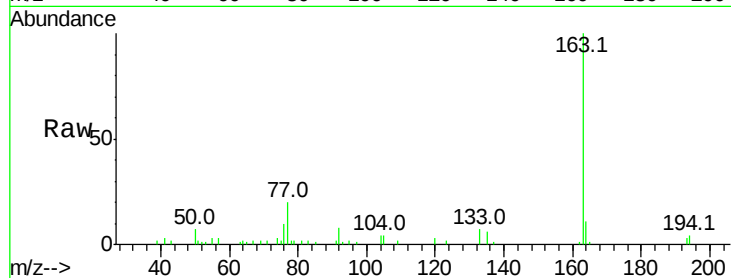
Tot Ion:163 Resp: 25700

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

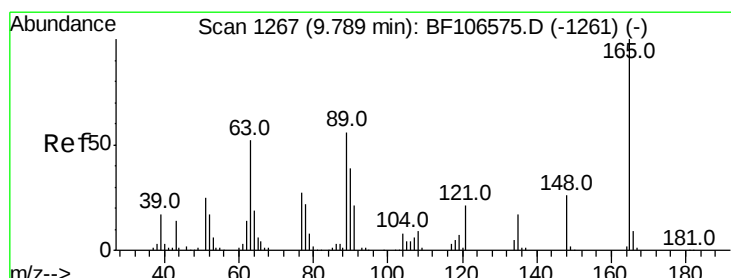
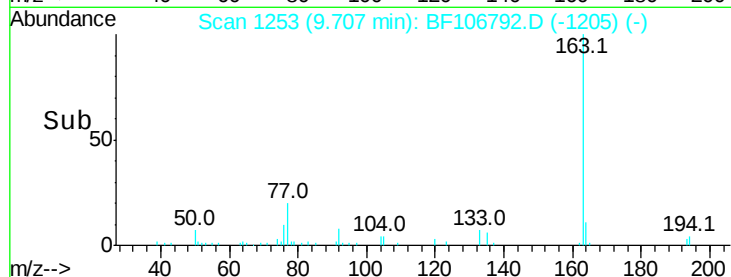
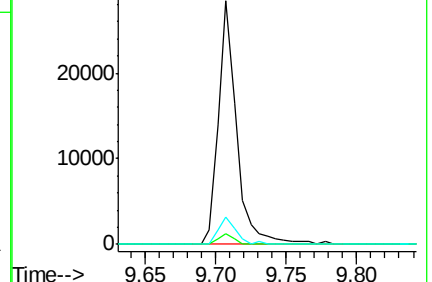
164 11.2 8.2 12.2



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: 7.956 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF106792.D

Acq: 26 Jun 2018 00:33

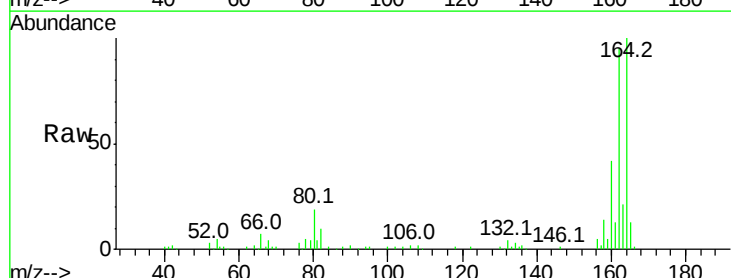
Tgt Ion:165 Resp: 9147

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

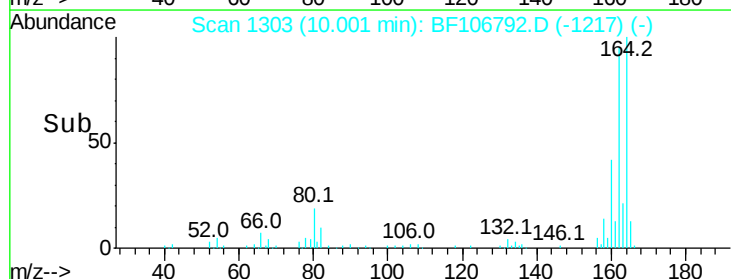
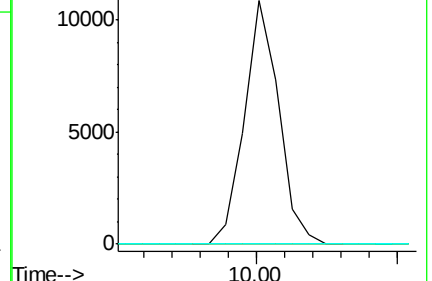
89 0.0 44.0 66.0#



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

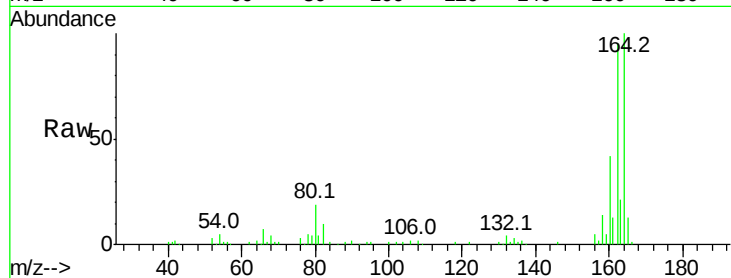




#56
2,4-Dinitrotoluene
Concen: 6.096 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

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#

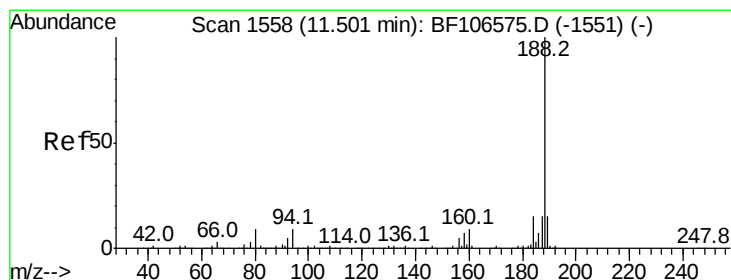
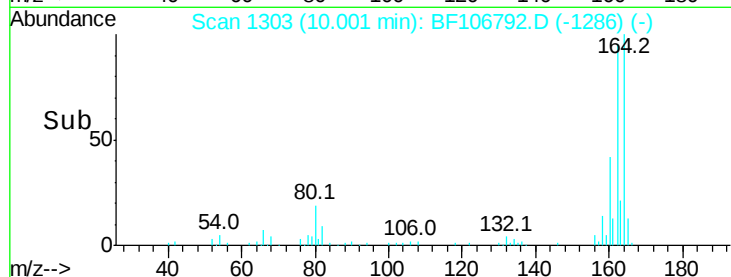
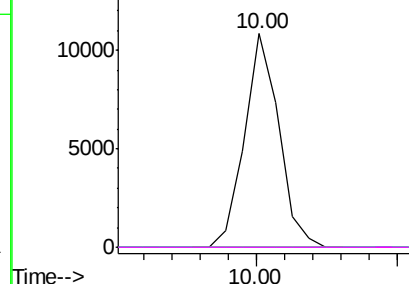


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

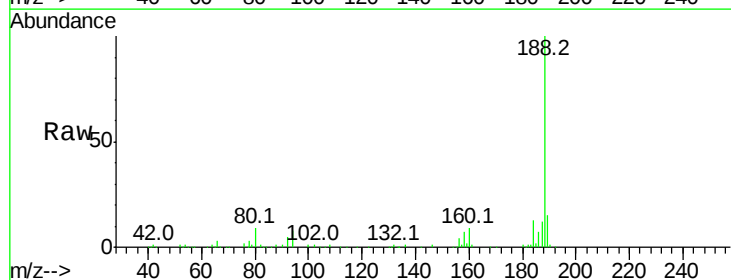
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

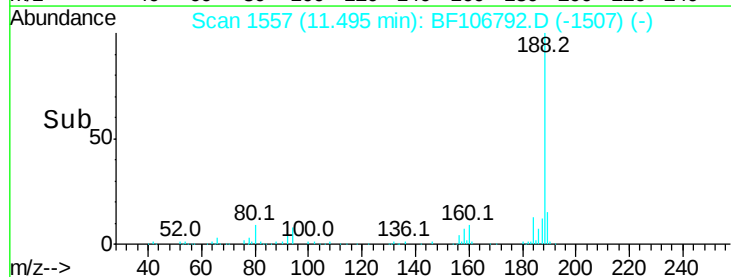
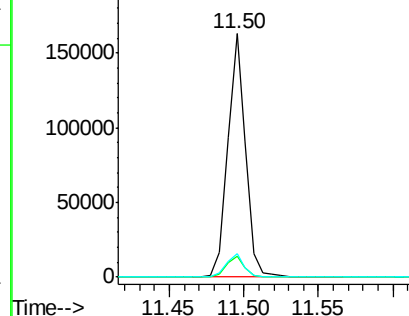
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7
80	9.4	9.2	13.8

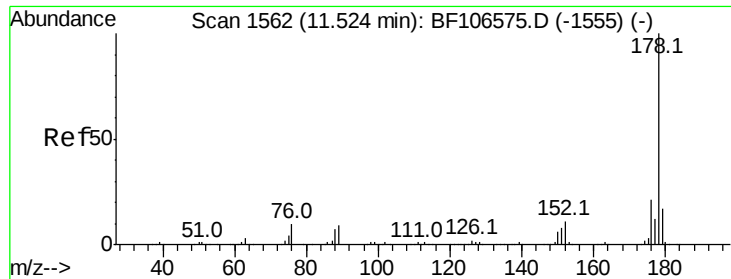


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

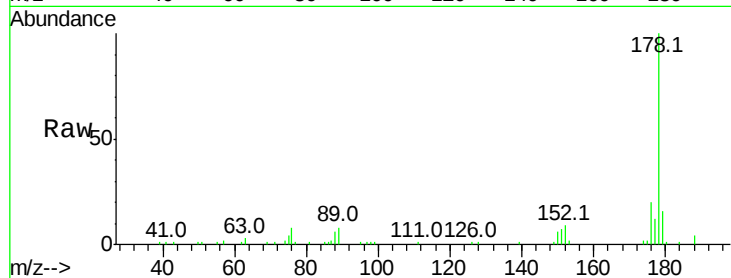




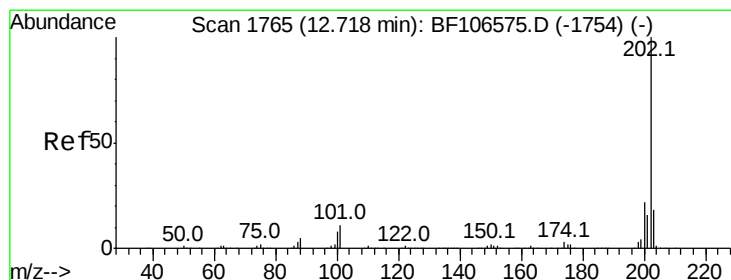
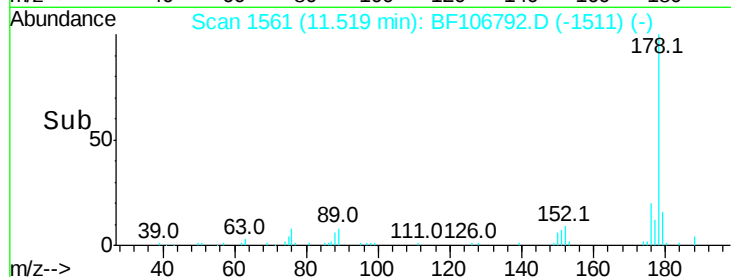
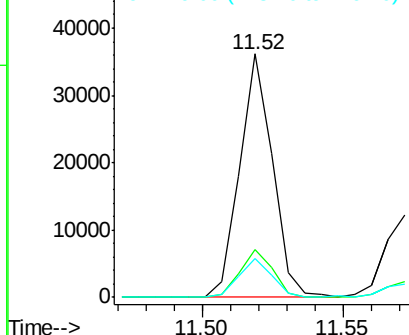
#70
Phenanthrene
Concen: 4.403 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 29163
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.7 13.0 19.6

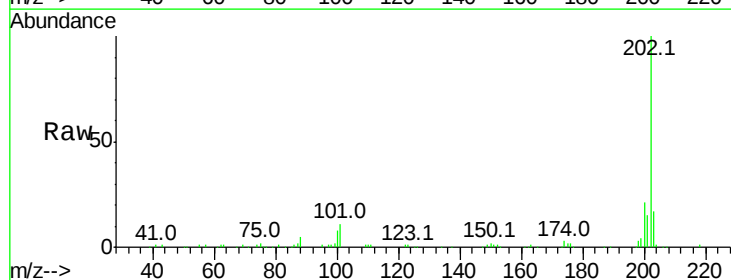


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

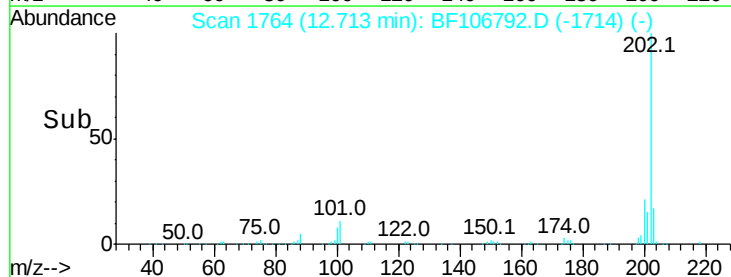
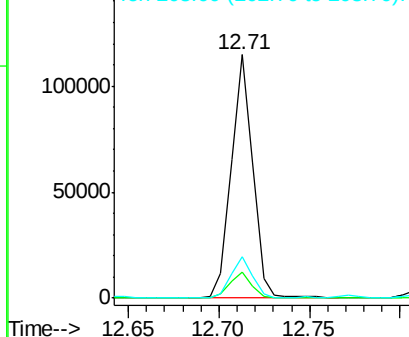


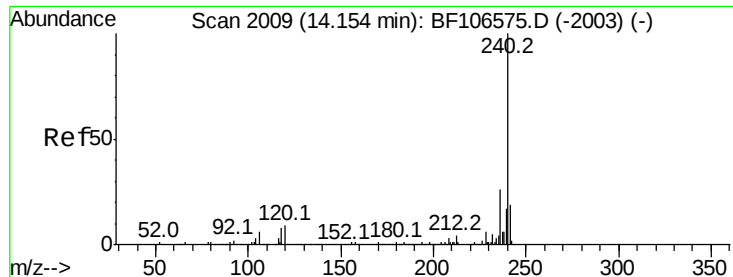
#74
Fluoranthene
Concen: 13.068 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

Tgt Ion:202 Resp: 95410
Ion Ratio Lower Upper
202 100
101 10.7 0.0 34.1
203 17.2 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. -0.02 min

Lab File: BF106792.D

Acq: 26 Jun 2018 00:33

Instrument :

BNA_F

ClientSampleId :

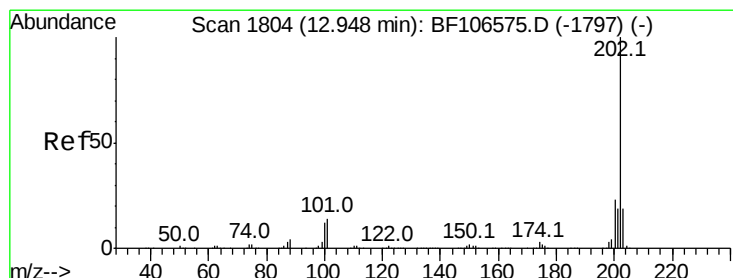
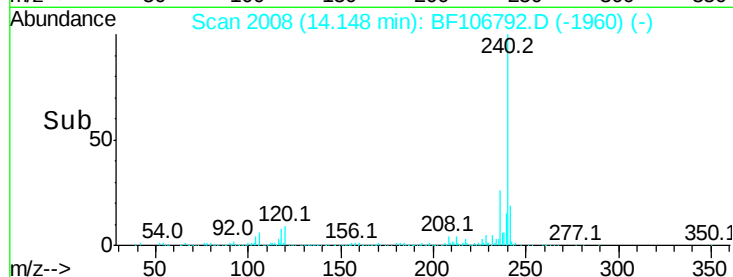
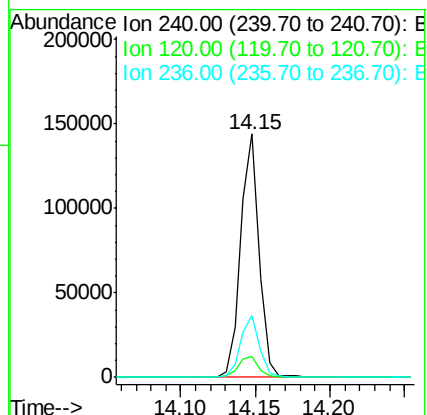
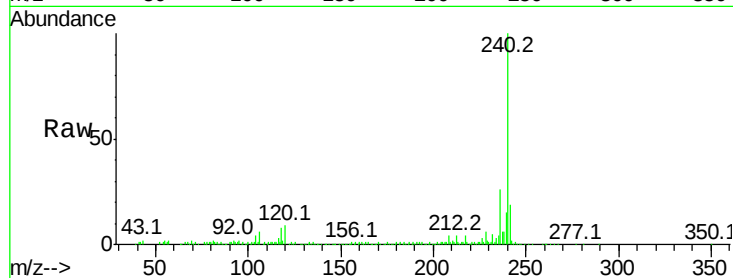
Tot Ion:240 Resp: 125470

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

236 25.6 20.7 31.1



#77

Pyrene

Concen: 10.393 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106792.D

Acq: 26 Jun 2018 00:33

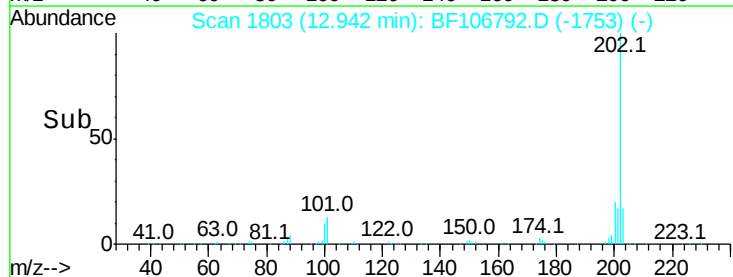
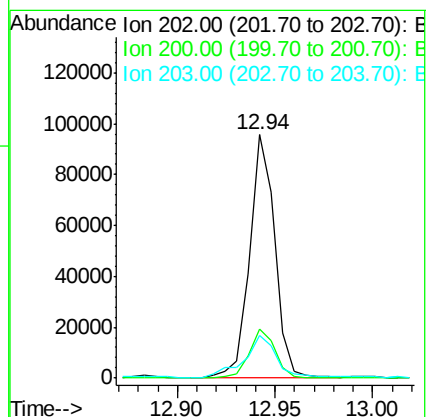
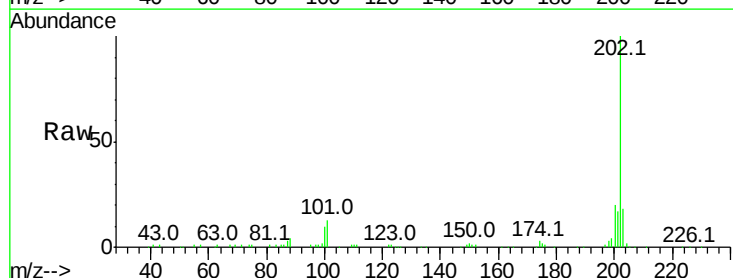
Tgt Ion:202 Resp: 85991

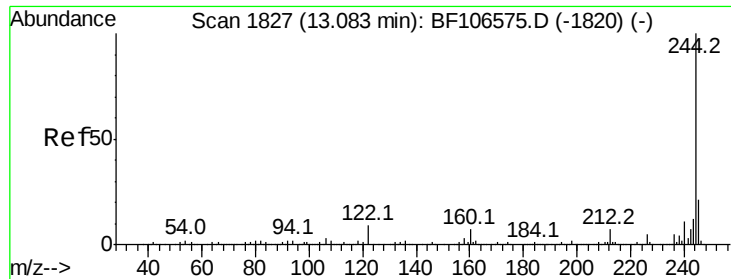
Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

203 17.7 14.3 21.5

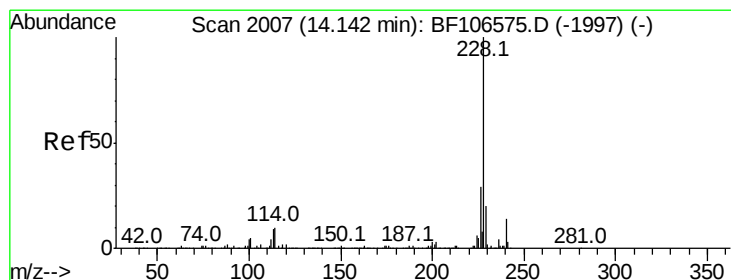
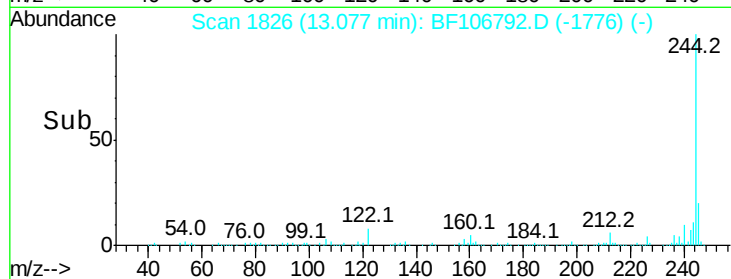
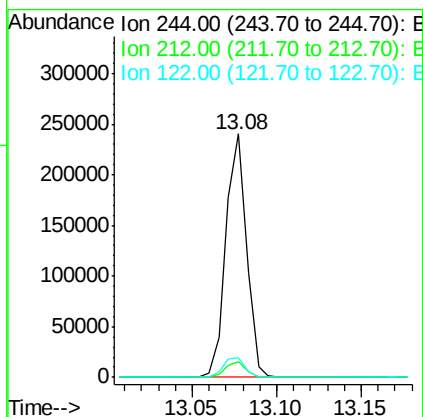
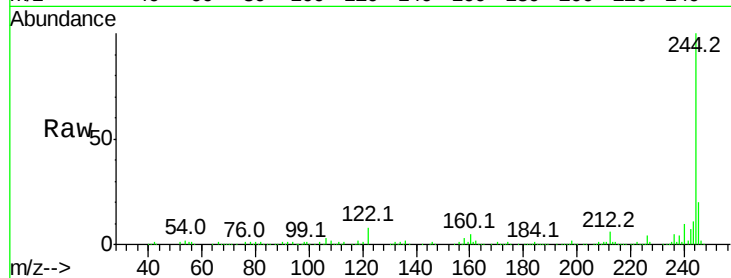




#78
 Terphenyl-d14
 Concen: 39.411 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106792.D
 Acq: 26 Jun 2018 00:33

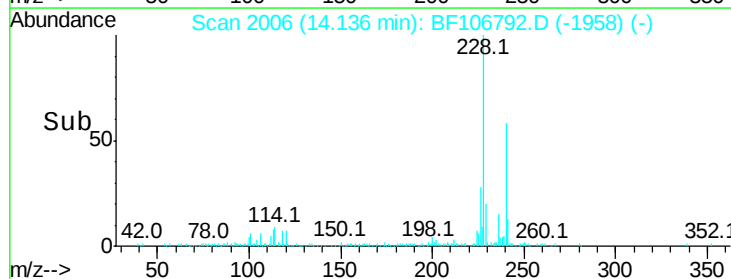
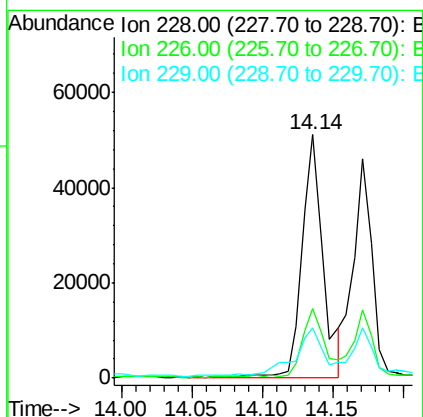
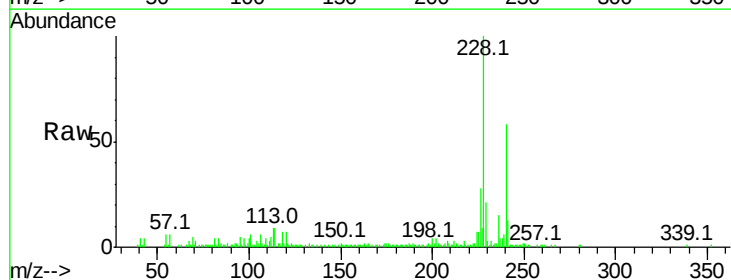
Instrument :
 BNA_F
 ClientSampleId :

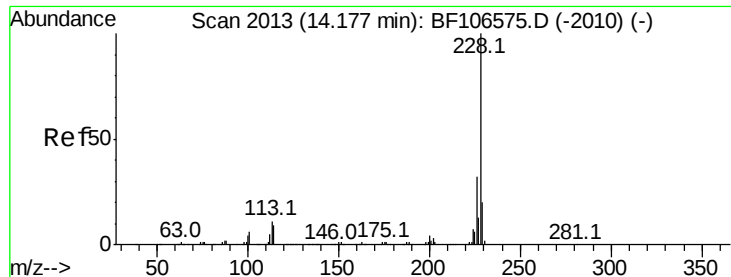
Tot Ion:244 Resp: 204142
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 8.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 6.969 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF106792.D
 Acq: 26 Jun 2018 00:33

Tgt Ion:228 Resp: 53293
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 33.8
 229 20.9 15.8 23.6

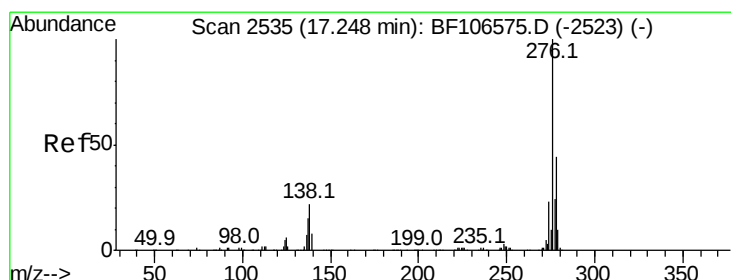
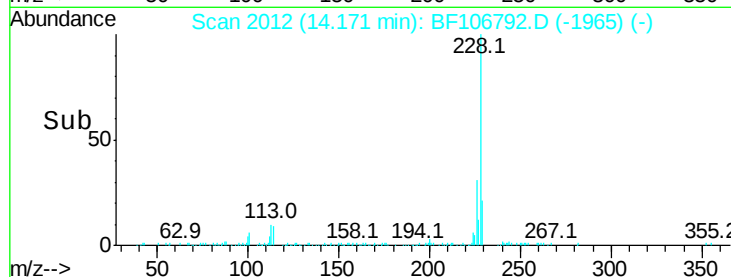
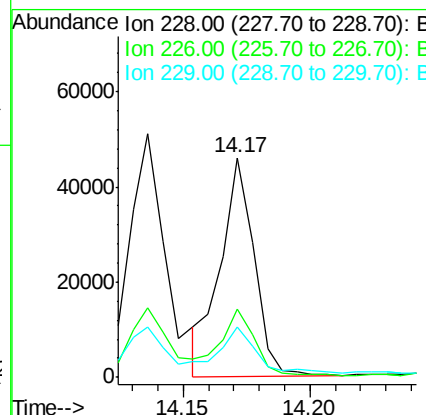
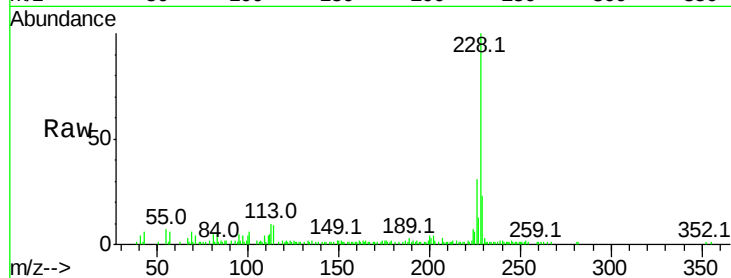




#82
Chrysene
Concen: 6.045 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

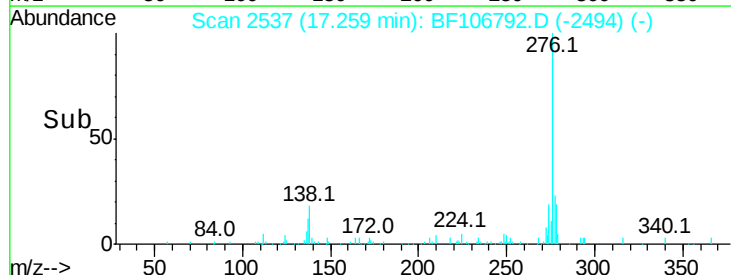
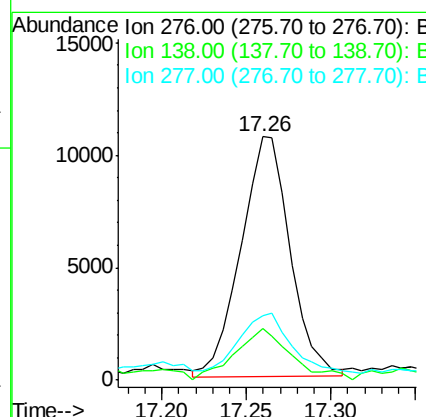
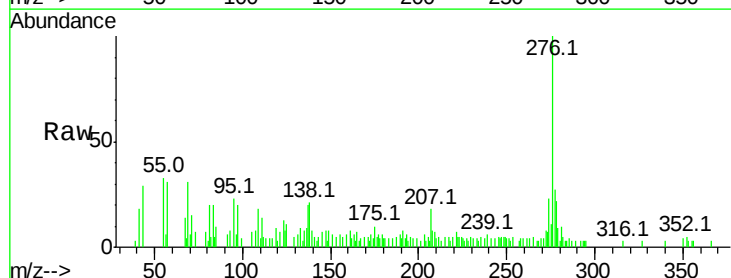
Instrument :
BNA_F
ClientSampleId :

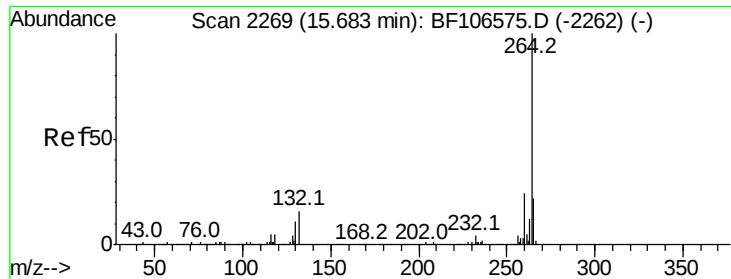
Tot Ion:228 Resp: 42525
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 22.6 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.633 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.05 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

Tgt Ion:276 Resp: 21688
Ion Ratio Lower Upper
276 100
138 24.6 25.0 37.6#
277 26.3 20.1 30.1

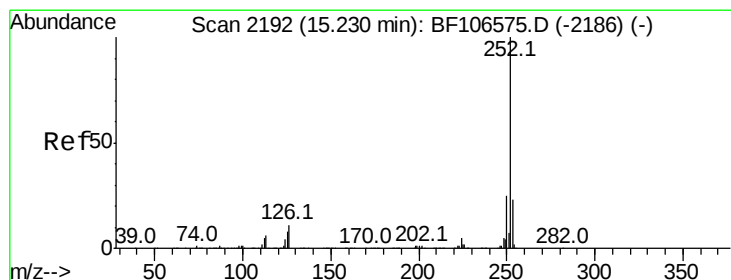
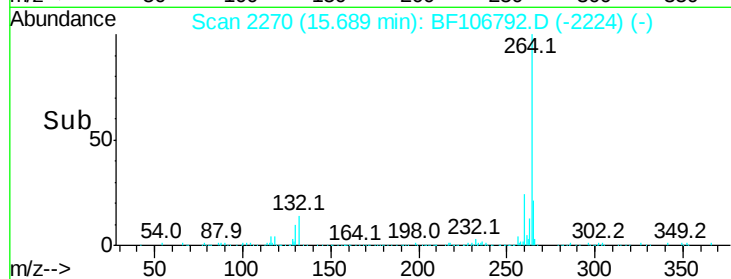
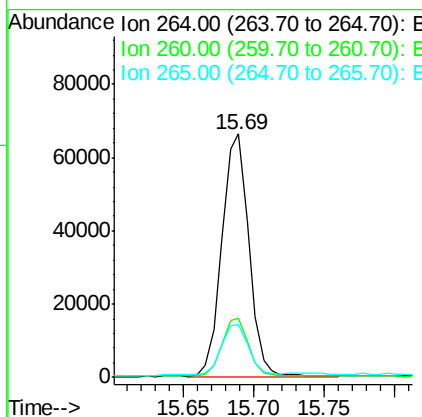
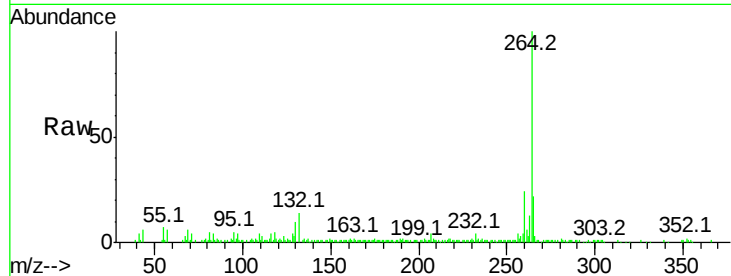




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

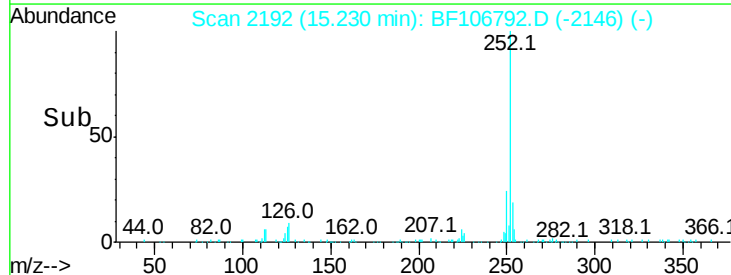
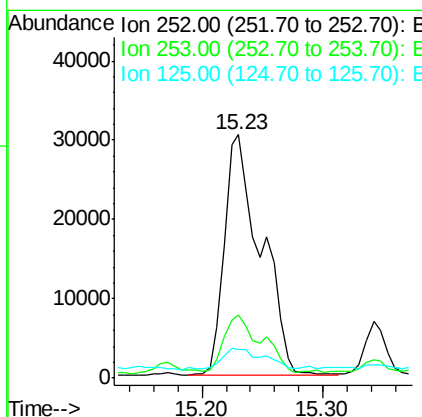
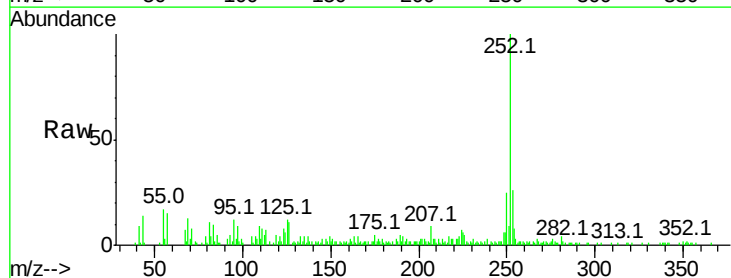
Instrument :
BNA_F
ClientSampleId :

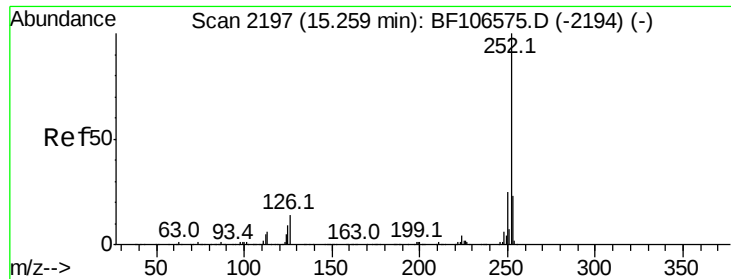
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 11.501 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	11.9	9.0	13.6

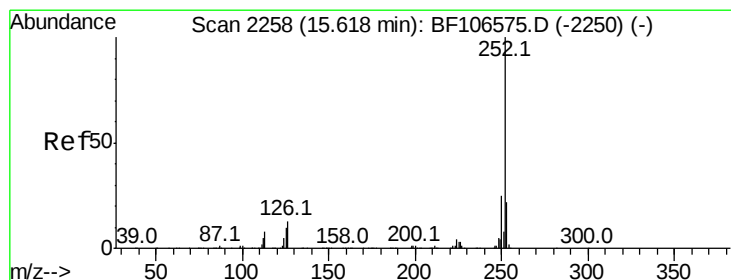
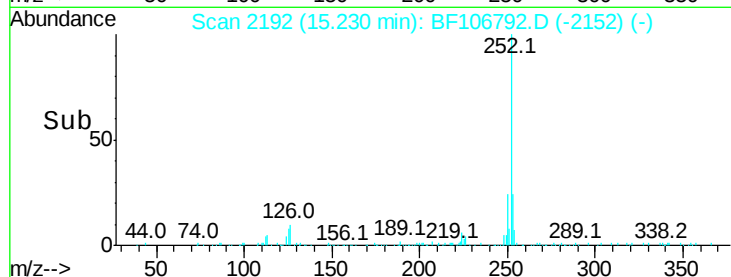
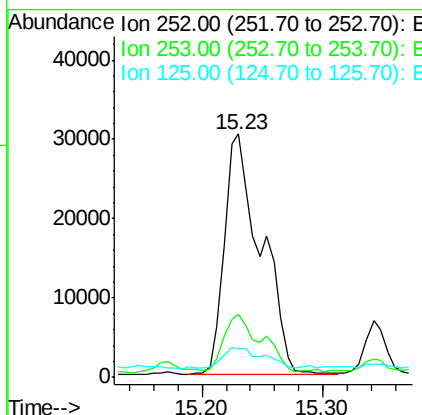
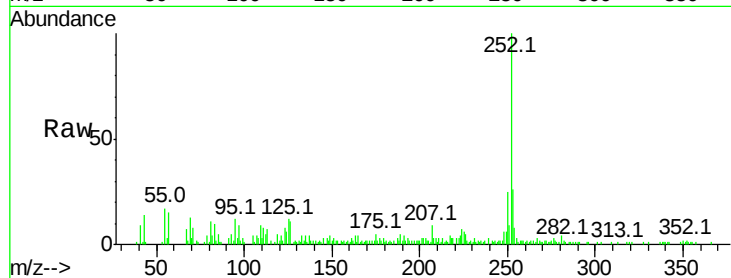




#88
Benzo(k)fluoranthene
Concen: 12.077 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

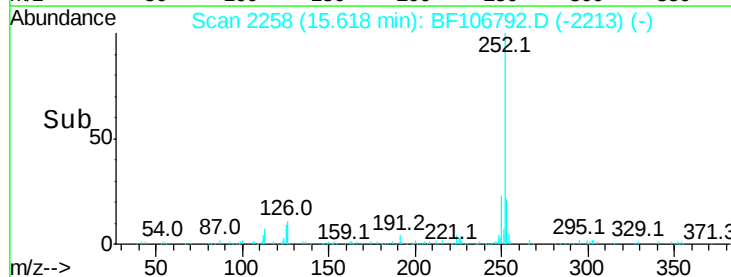
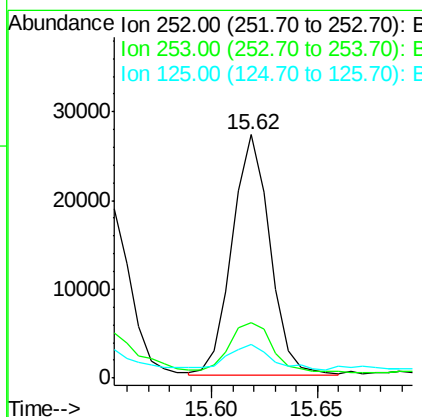
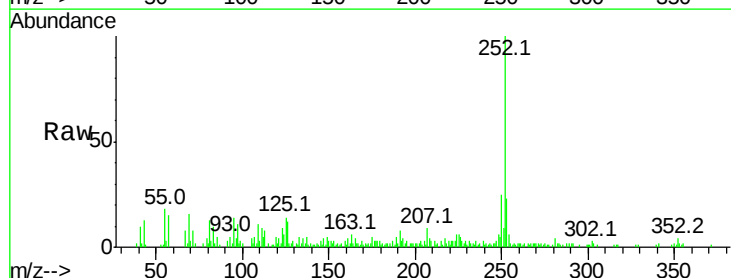
Instrument :
BNA_F
ClientSampleId :

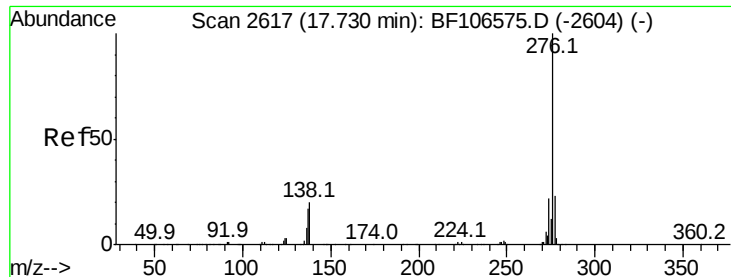
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	11.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 6.771 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF106792.D
Acq: 26 Jun 2018 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	13.6	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 6.635 ng

RT: 17.74 min Scan# 2619

Delta R.T. -0.05 min

Lab File: BF106792.D

Acq: 26 Jun 2018 00:33

Instrument :

BNA_F

ClientSampleId :

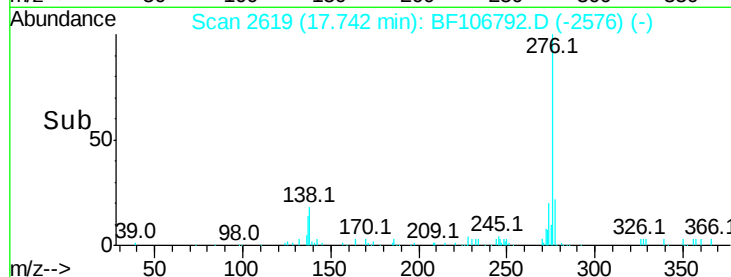
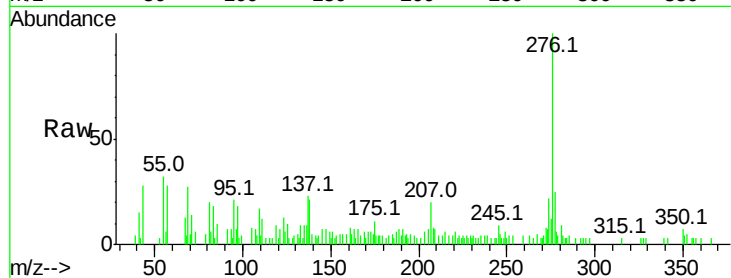
Tot Ion:276 Resp: 27164

Ion Ratio Lower Upper

276 100

277 25.3 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

