

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107183.D
 Acq On : 6 Jul 2018 19:53
 Operator : JU/SJ
 Sample : J3854-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5

Quant Time: Jul 06 22:55:41 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 29 14:38:29 2018
 Response via : Initial Calibration

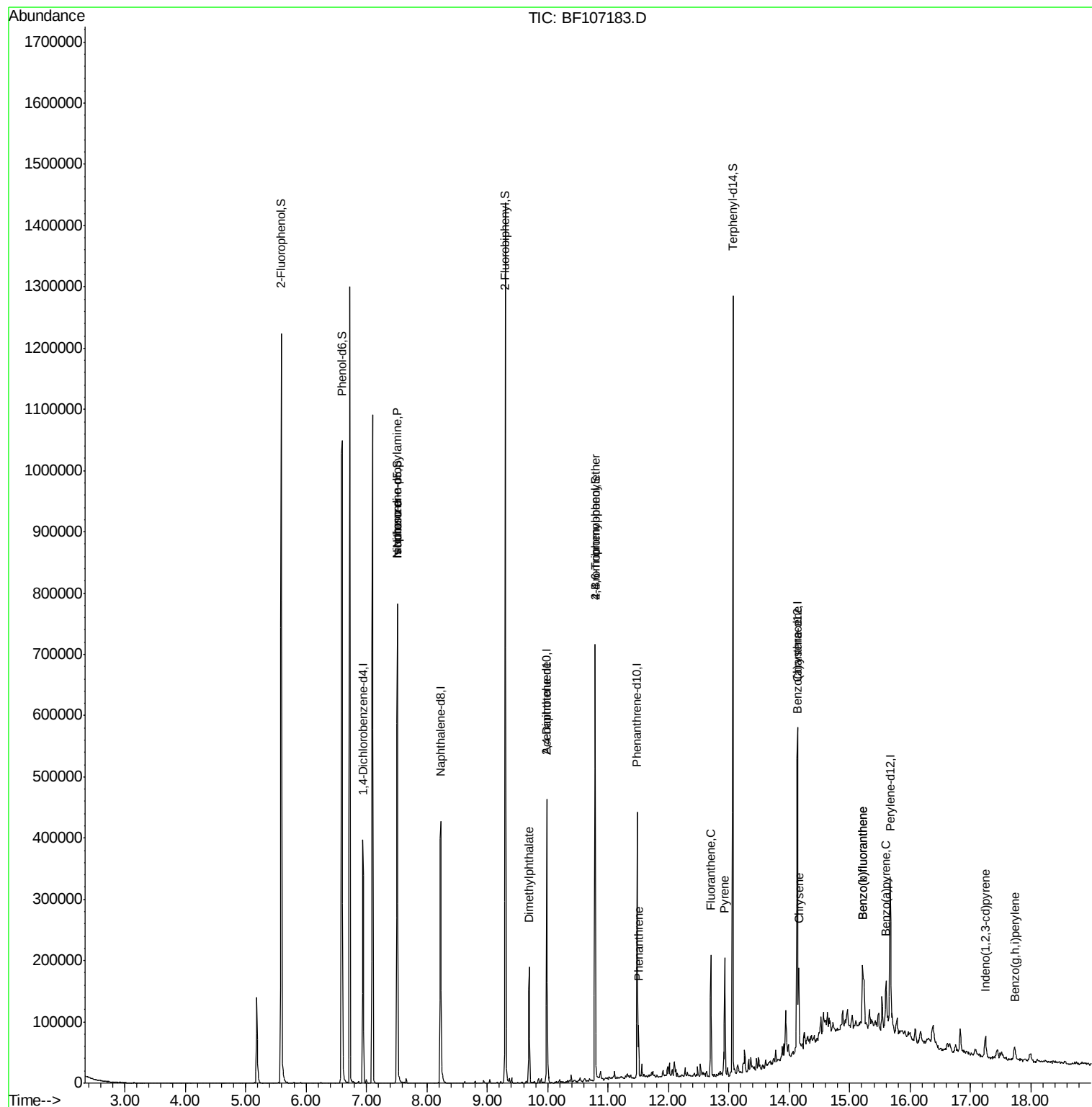
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	60722	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	227714	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	100997	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	162732	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	174690	20.00	ng	-0.03
86) Perylene-d12	15.67	264	132883	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	349106	97.35	ng	-0.01
7) Phenol-d6	6.60	99	436642	97.50	ng	-0.02
23) Nitrobenzene-d5	7.51	82	267376	65.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	101971	87.11	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	466620	76.77	ng	-0.02
78) Terphenyl-d14	13.07	244	455323	63.14	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	34421	11.661	ng	Qvalue # 72
25) Isophorone	7.51	82	267373	37.030	ng	# 64
49) Dimethylphthalate	9.70	163	81520	10.762	ng	# 97
56) 2,4-Dinitrotoluene	9.99	165	12975	6.197	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	6273	3.230	ng	# 1
70) Phenanthrene	11.51	178	32666	4.162	ng	98
74) Fluoranthene	12.70	202	78381	9.060	ng	96
77) Pyrene	12.93	202	78411	6.807	ng	97
80) Benzo(a)anthracene	14.12	228	51625	4.849	ng	98
82) Chrysene	14.16	228	49665	5.070	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	20510	2.467	ng	# 87
87) Benzo(b)fluoranthene	15.21	252	79067	9.579	ng	98
88) Benzo(k)fluoranthene	15.21	252	79388	10.099	ng	98
89) Benzo(a)pyrene	15.60	252	37939	5.170	ng	95
91) Benzo(g,h,i)perylene	17.73	276	18547	3.051	ng	# 87

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

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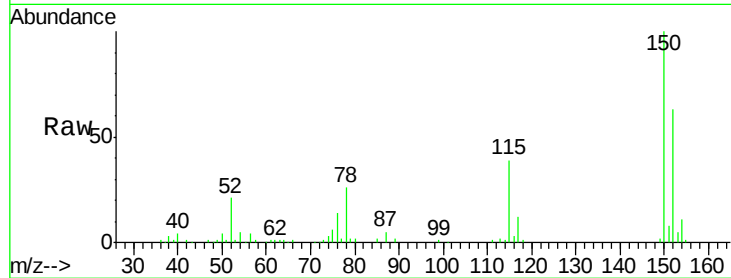




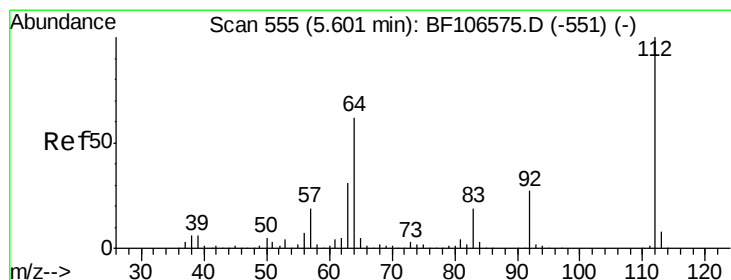
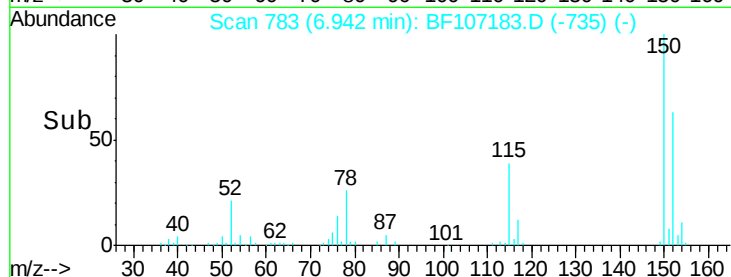
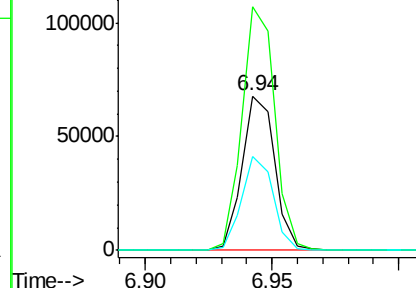
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
 S5

Tgt Ion:152 Resp: 60722
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.6 186.8
 115 61.1 50.1 75.1

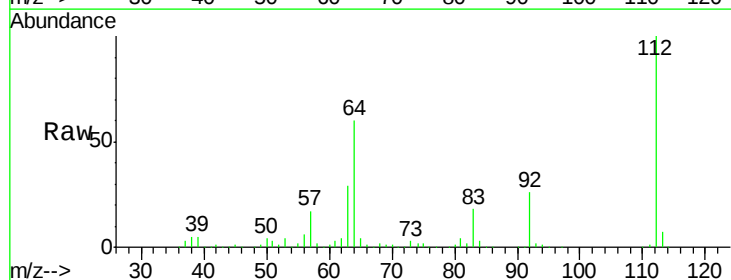


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

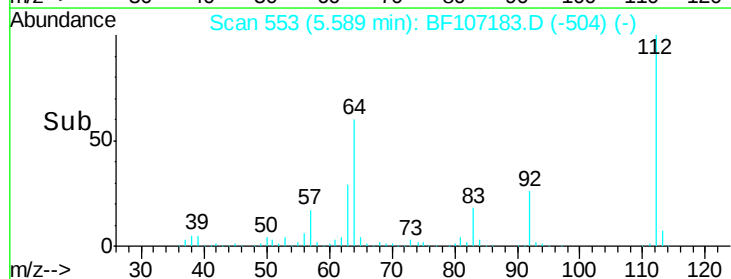
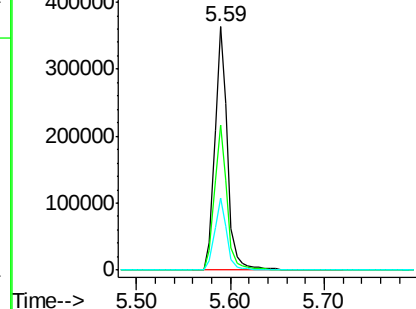


#5
 2-Fluorophenol
 Concen: 97.353 ng
 RT: 5.59 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Tgt Ion:112 Resp: 349106
 Ion Ratio Lower Upper
 112 100
 64 59.7 47.9 71.9
 63 29.4 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: 97.504 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Instrument :

BNA_F

ClientSampleId :

S5

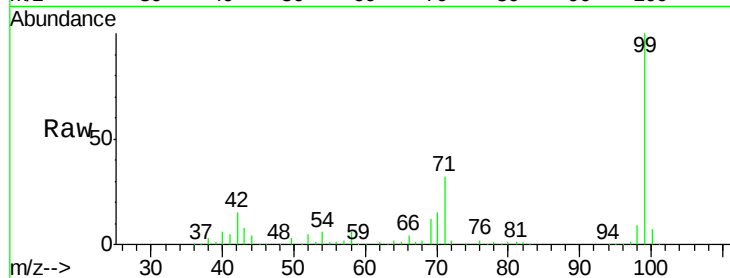
Tgt Ion: 99 Resp: 436642

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

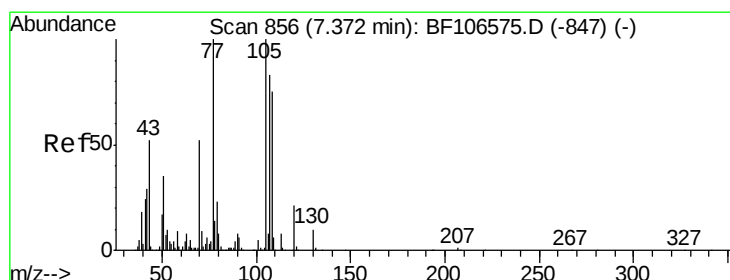
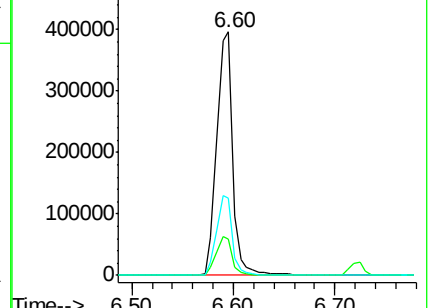
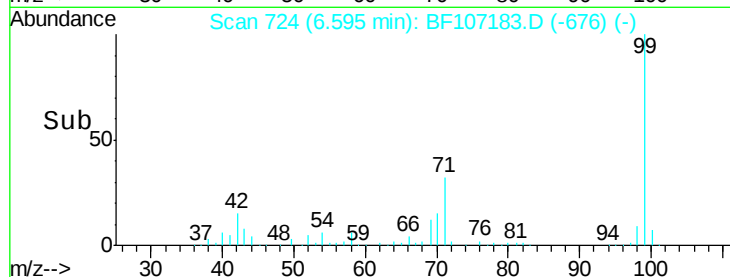
71 32.0 25.4 38.0



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: 11.661 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Tgt Ion: 70 Resp: 34421

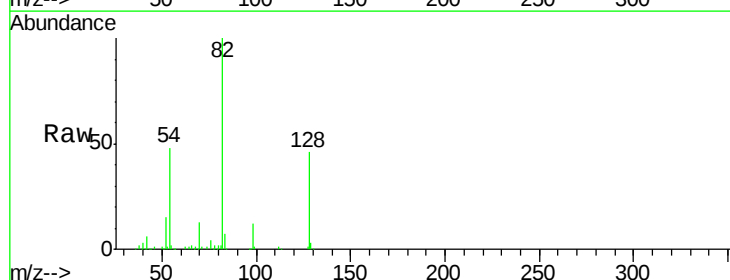
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

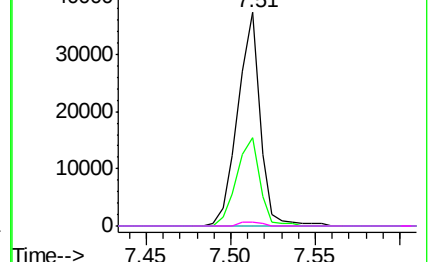
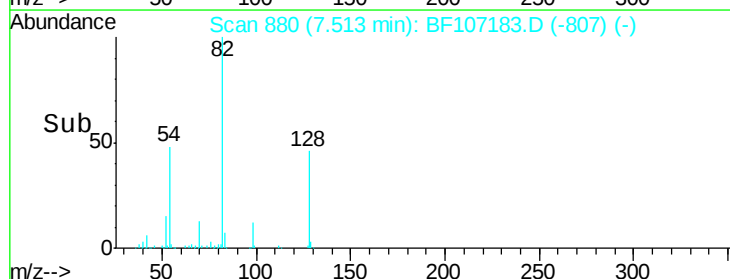


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

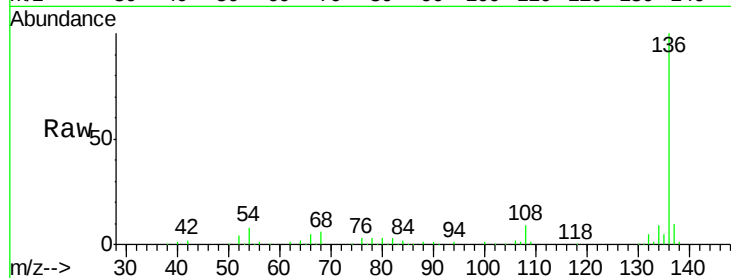




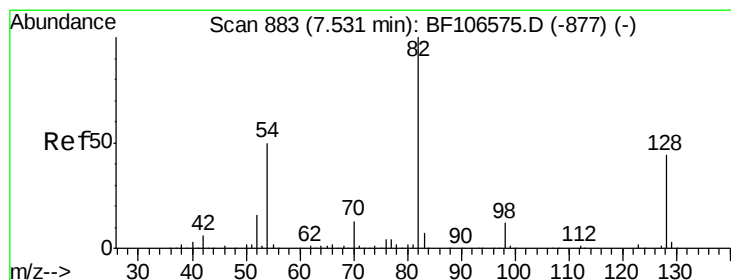
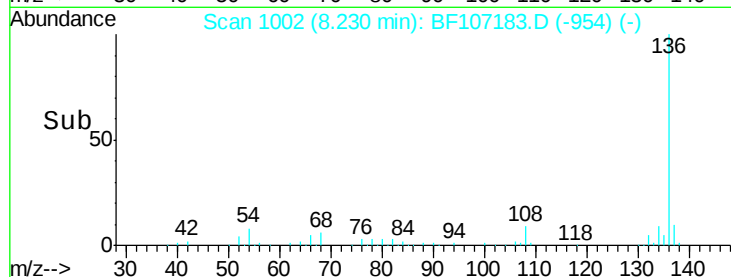
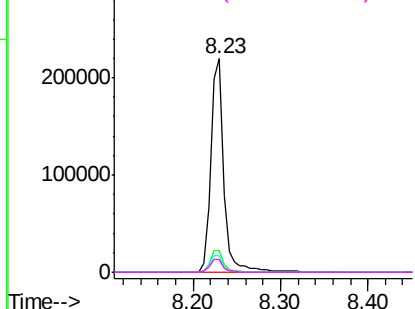
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Instrument :
BNA_F
ClientSampleId :
S5

Tgt Ion:	136	Resp:	227714
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	7.8	6.6	9.8
68	6.3	5.0	7.4

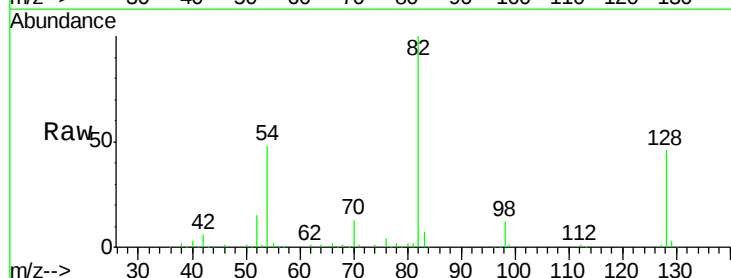


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

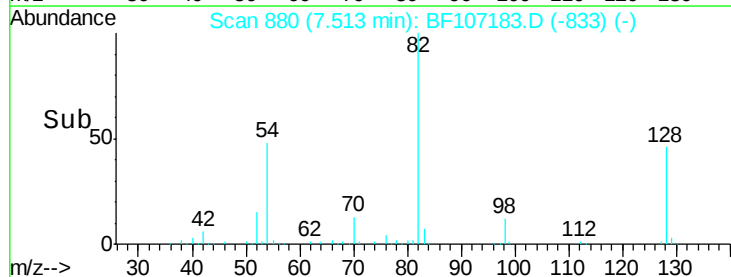
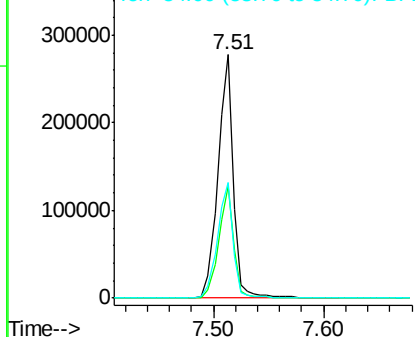


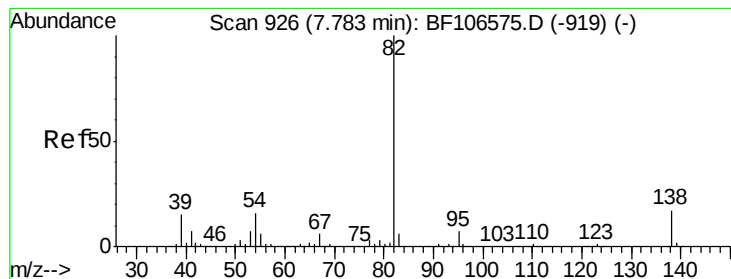
#23
Nitrobenzene-d5
Concen: 65.253 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion:	82	Resp:	267376
Ion	Ratio	Lower	Upper
82	100		
128	45.8	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: 37.030 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Instrument :

BNA_F

ClientSampleId :

S5

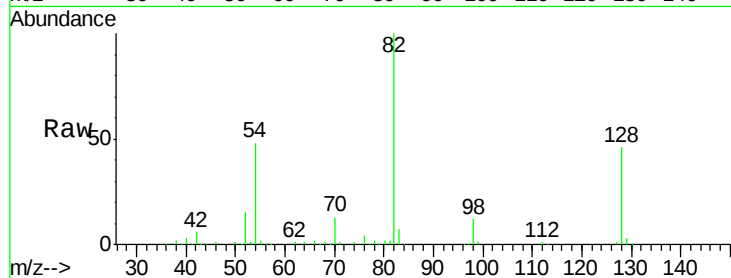
Tgt Ion: 82 Resp: 267373

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

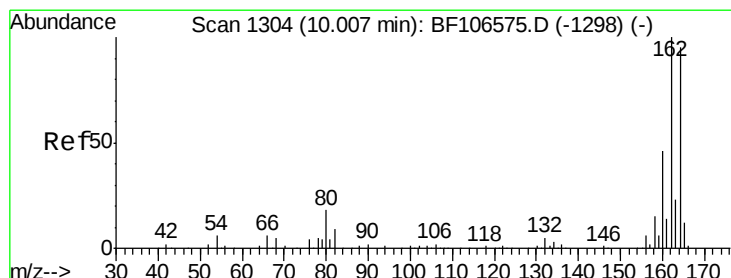
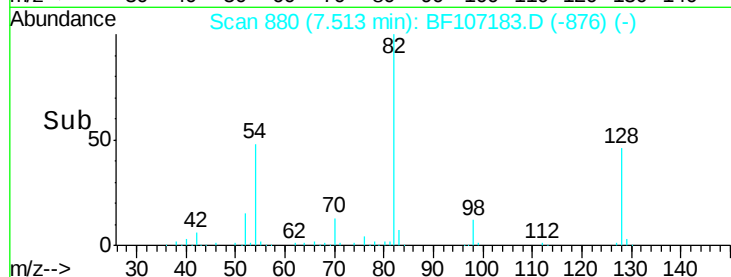
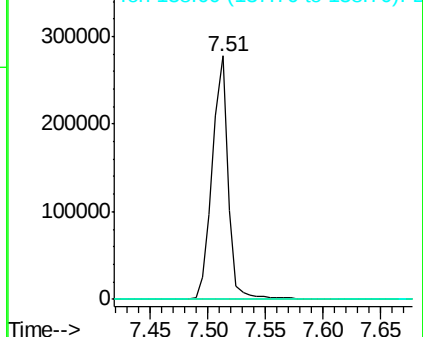
138 0.0 14.9 22.3#



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: 9.99 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

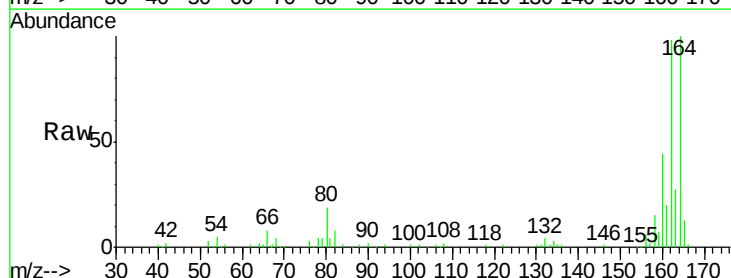
Tgt Ion: 164 Resp: 100997

Ion Ratio Lower Upper

164 100

162 98.0 86.1 129.1

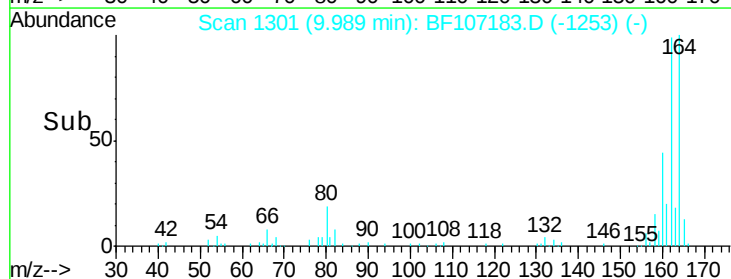
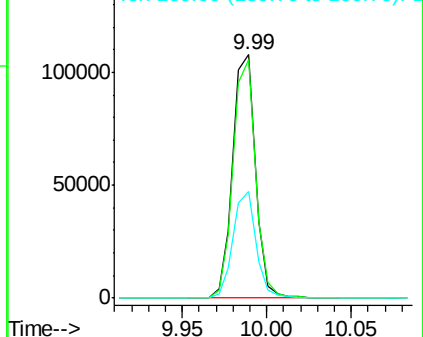
160 43.8 38.3 57.5



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

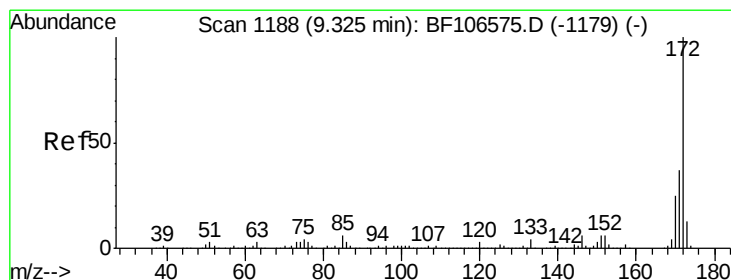
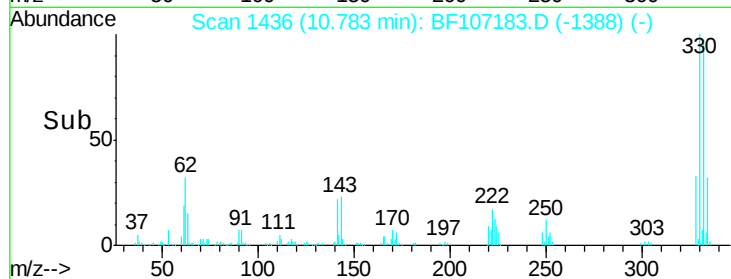
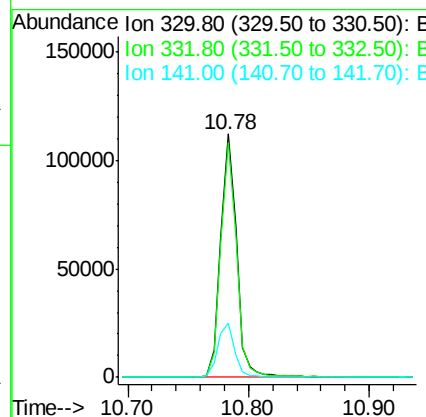
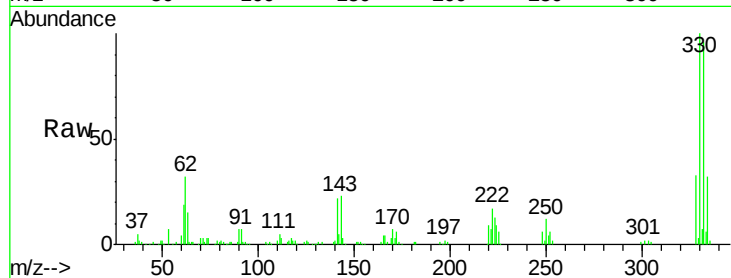




#41
 2,4,6-Tribromophenol
 Concen: 87.111 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

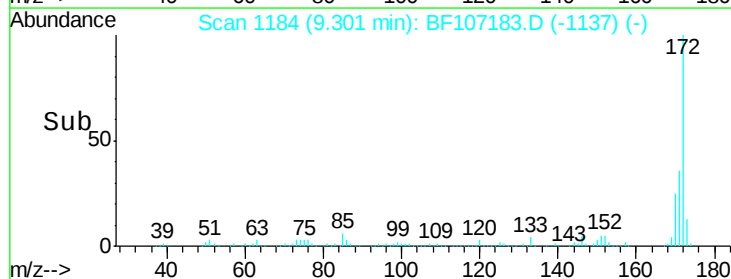
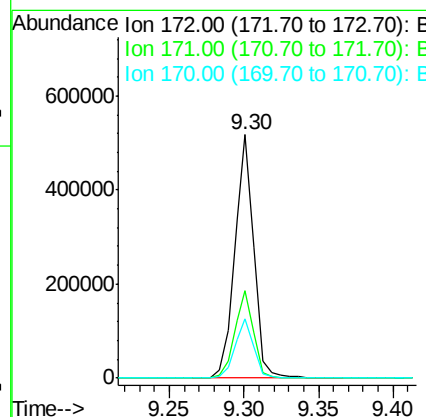
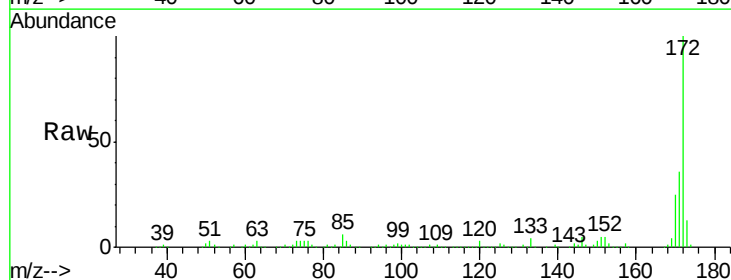
Instrument :
 BNA_F
 ClientSampled :
 S5

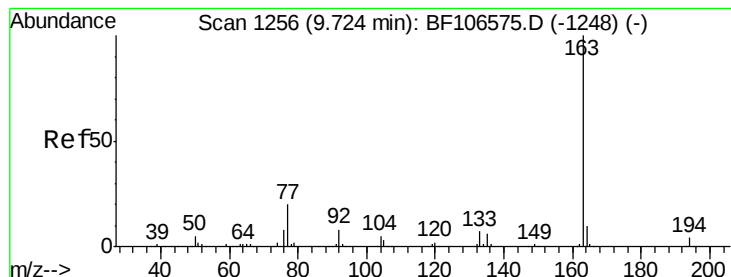
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	23.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 76.774 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.5	19.6	29.4





#49

Dimethylphthalate

Concen: 10.762 ng

RT: 9.70 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Instrument :

BNA_F

ClientSampleId :

S5

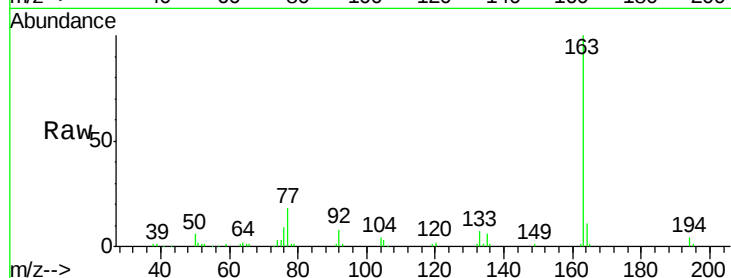
Tgt Ion:163 Resp: 81520

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

164 11.2 8.2 12.2

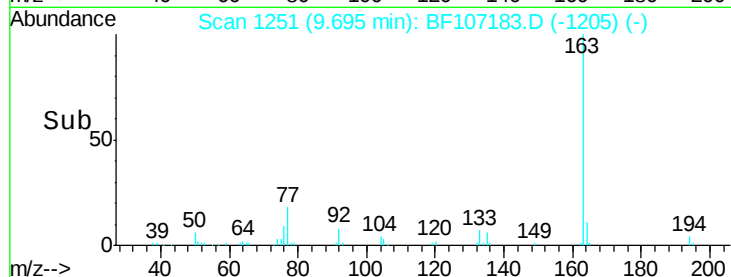


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

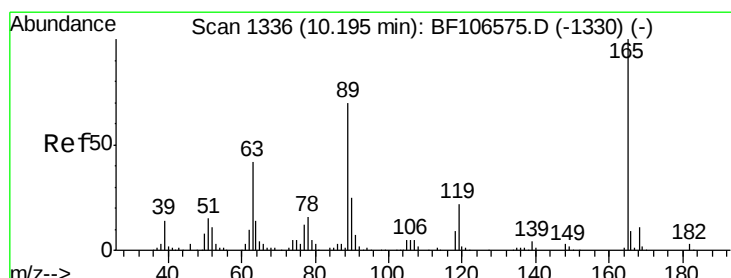
Ion 164.00 (163.70 to 164.70): E

Time-->



Abundance

Time-->



#56

2,4-Dinitrotoluene

Concen: 6.197 ng

RT: 9.99 min Scan# 1301

Delta R.T. -0.21 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Tgt Ion:165 Resp: 12975

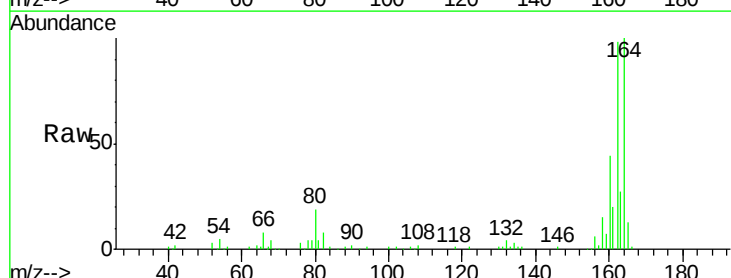
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#



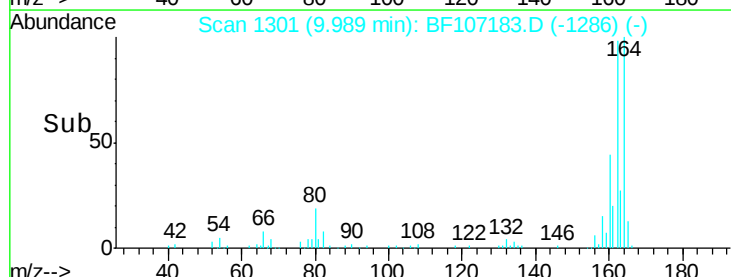
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

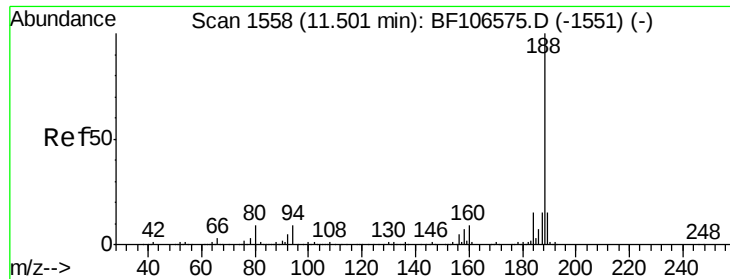
Ion 182.00 (181.70 to 182.70): E

Time-->



Abundance

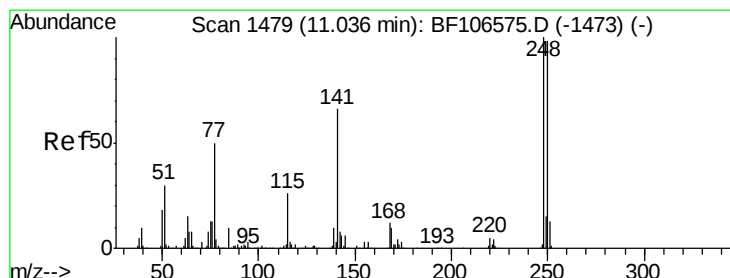
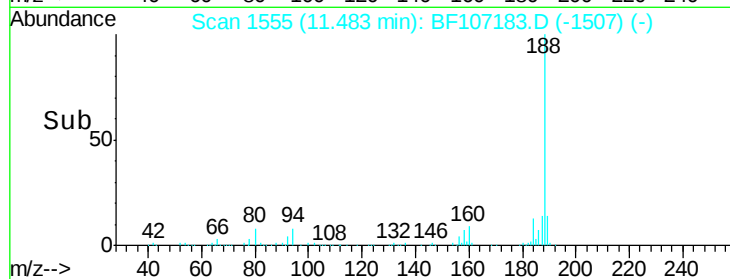
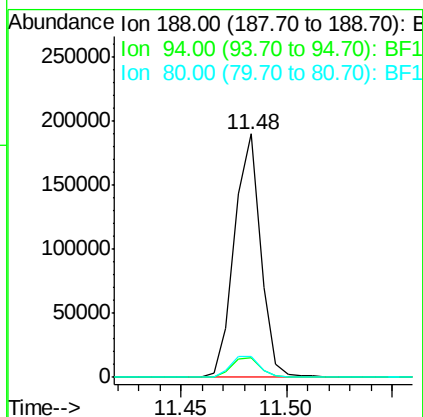
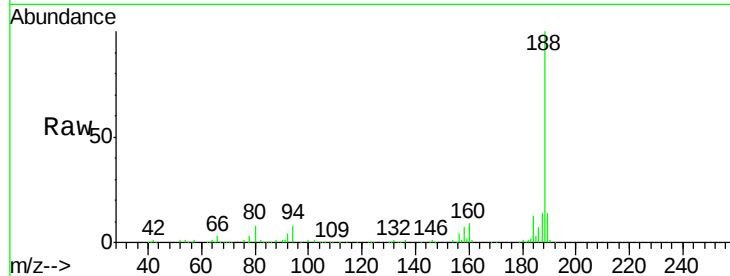
Time-->



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

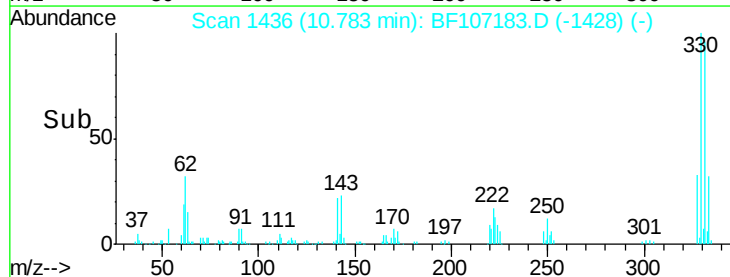
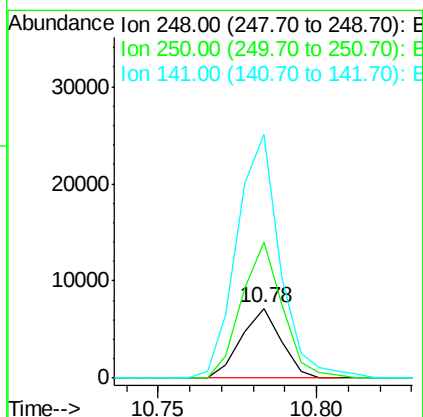
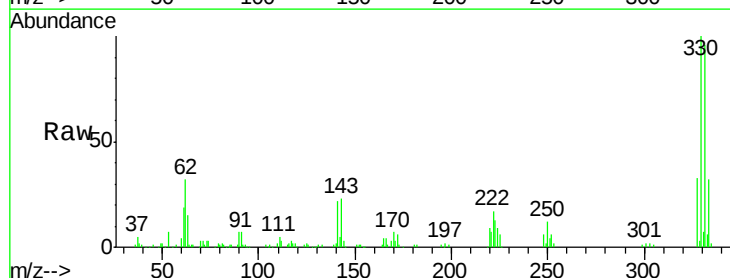
Instrument :
BNA_F
ClientSampleId :
S5

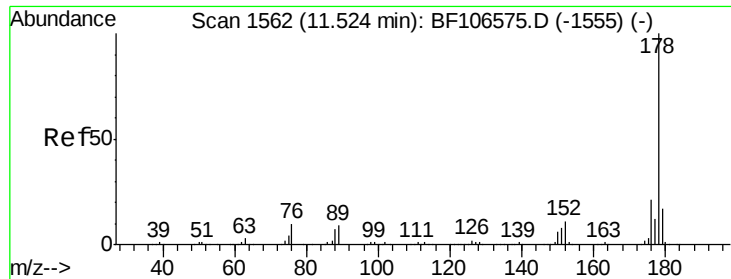
Tgt Ion:188 Resp: 162732
Ion Ratio Lower Upper
188 100
94 8.2 8.5 12.7#
80 8.4 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.230 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion:248 Resp: 6273
Ion Ratio Lower Upper
248 100
250 195.1 76.9 115.3#
141 349.0 74.4 111.6#

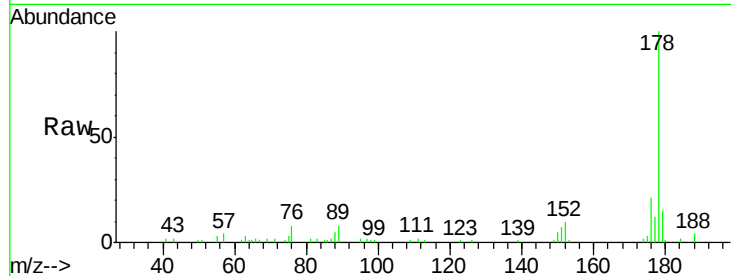




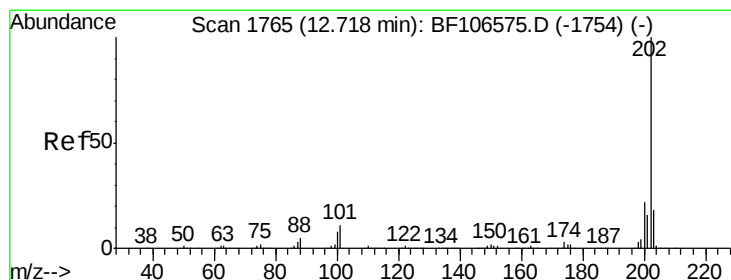
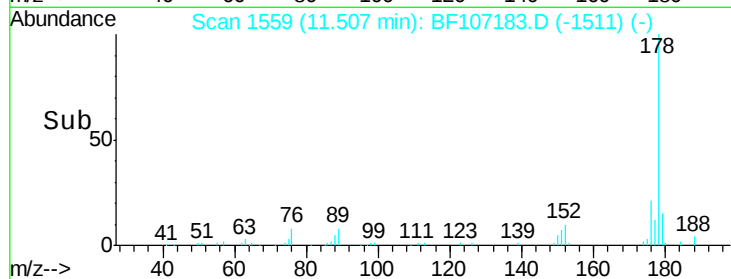
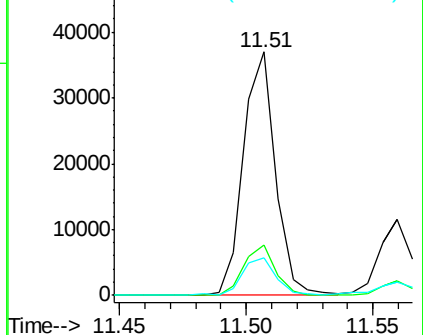
#70
 Phenanthrene
 Concen: 4.162 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
 S5

Tgt Ion:178 Resp: 32666
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.8 23.8
 179 15.5 13.0 19.6

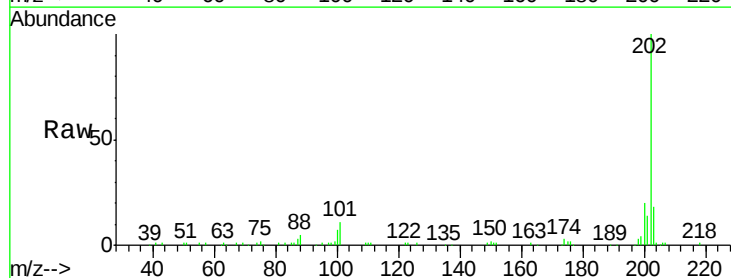


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

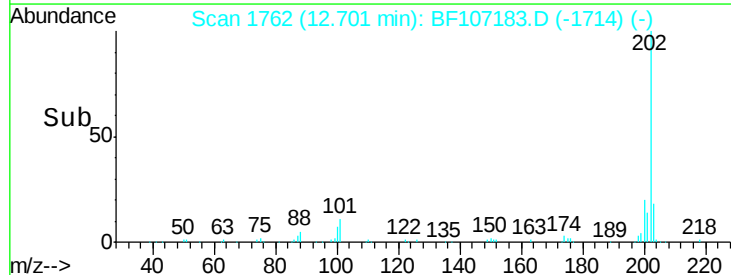
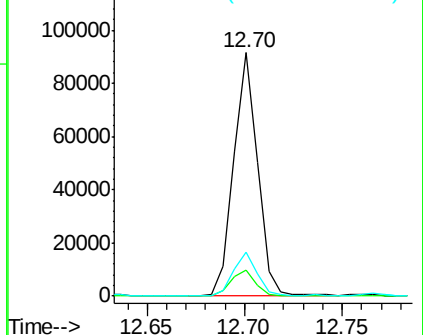


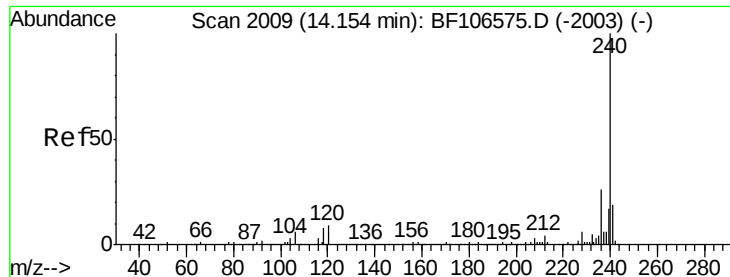
#74
 Fluoranthene
 Concen: 9.060 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Tgt Ion:202 Resp: 78381
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 34.1
 203 18.1 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# 2006

Delta R.T. -0.03 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Instrument :

BNA_F

ClientSampleId :

S5

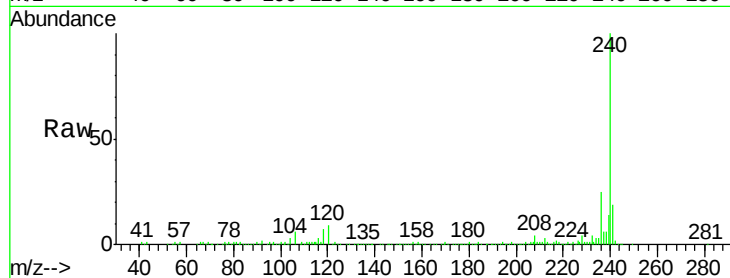
Tgt Ion:240 Resp: 174690

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

236 25.1 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

250000

200000

150000

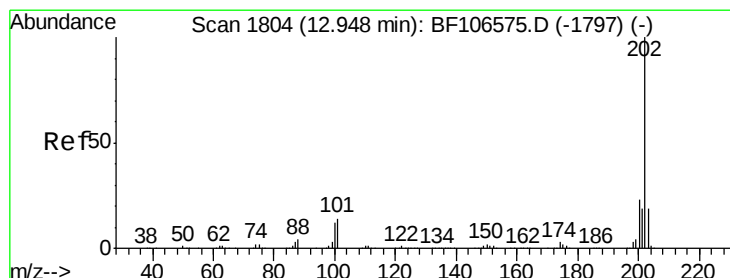
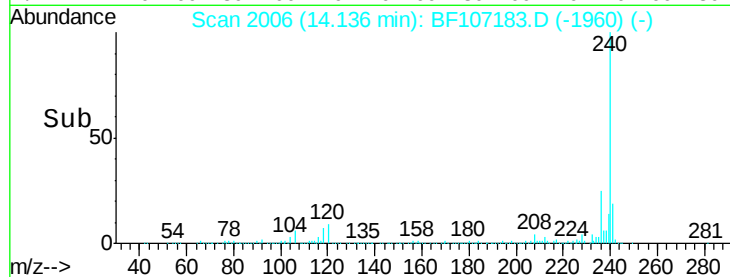
100000

50000

0

14.10 14.15 14.20

Time-->



#77

Pyrene

Concen: 6.807 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

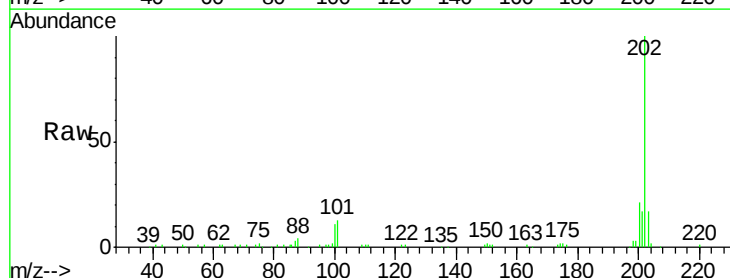
Tgt Ion:202 Resp: 78411

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

203 16.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

120000

100000

80000

60000

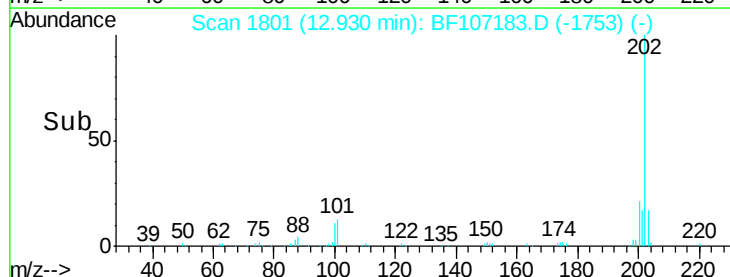
40000

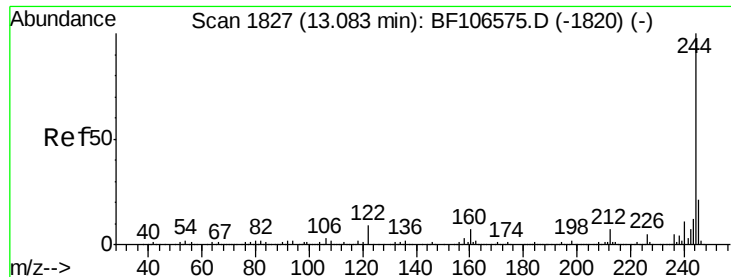
20000

0

12.90 12.95

Time-->

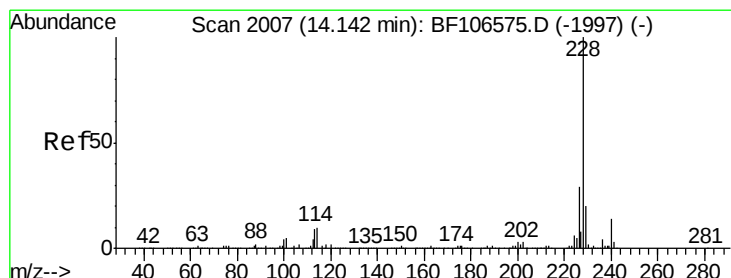
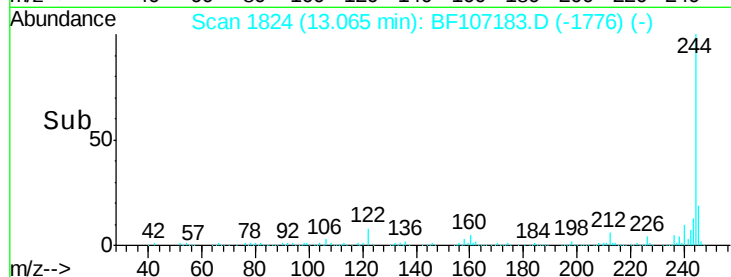
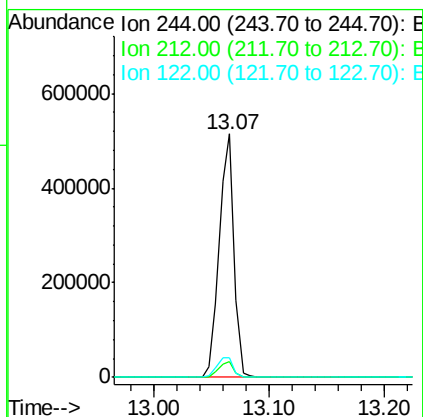
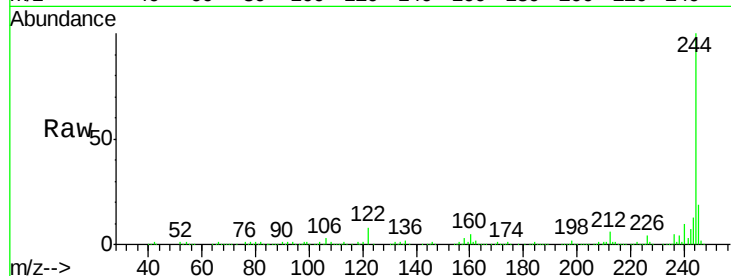




#78
 Terphenyl-d14
 Concen: 63.136 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

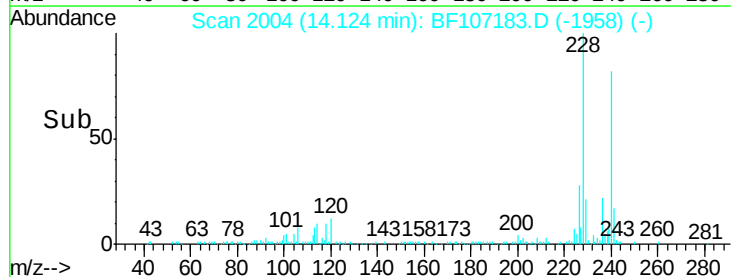
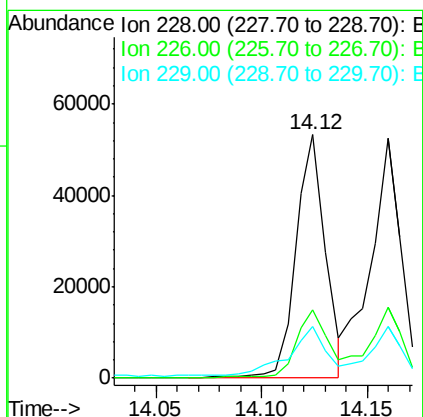
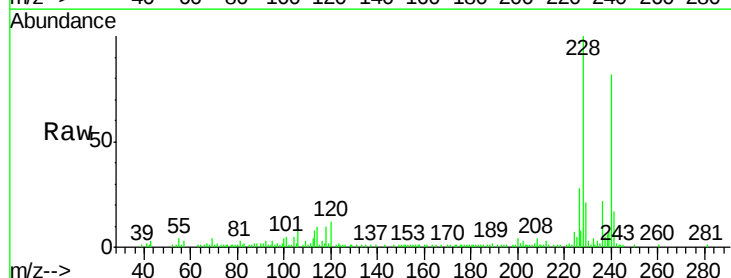
Instrument :
 BNA_F
 ClientSampleId :
 S5

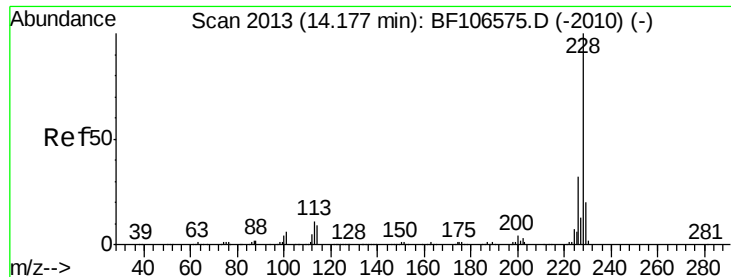
Tgt Ion:244 Resp: 455323
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 8.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 4.849 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Tgt Ion:228 Resp: 51625
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 21.4 15.8 23.6





#82

Chrysene

Concen: 5.070 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.04 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Instrument :

BNA_F

ClientSampleId :

S5

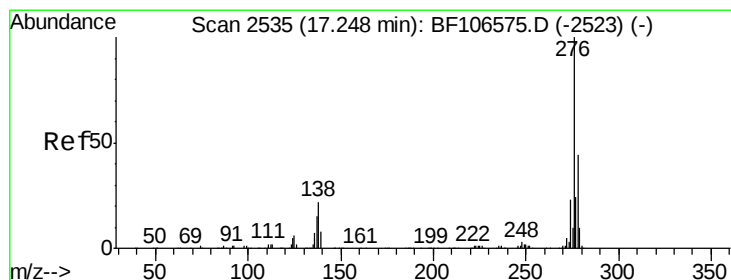
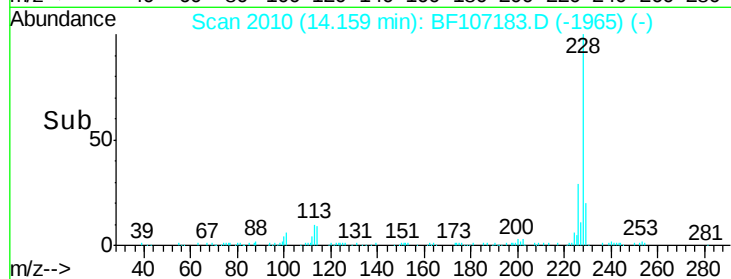
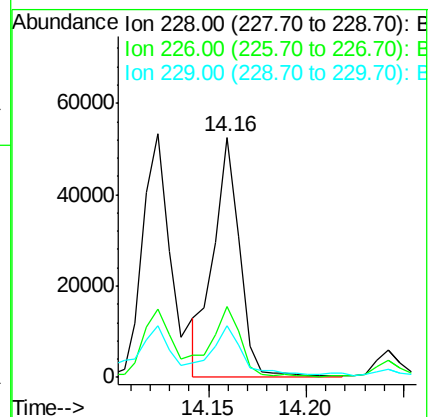
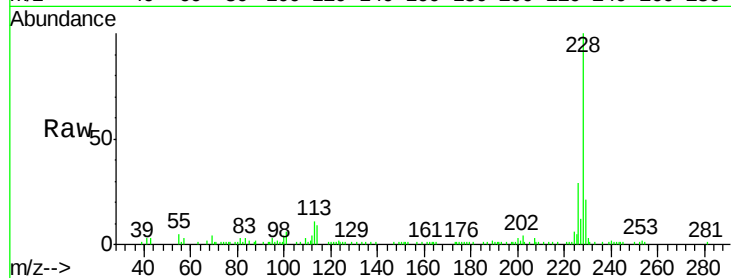
Tgt Ion:228 Resp: 49665

Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

229 21.5 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.467 ng

RT: 17.25 min Scan# 2535

Delta R.T. -0.06 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

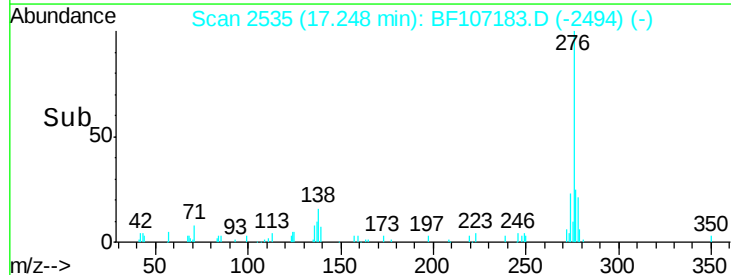
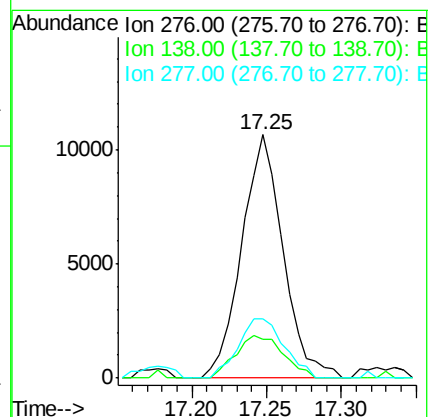
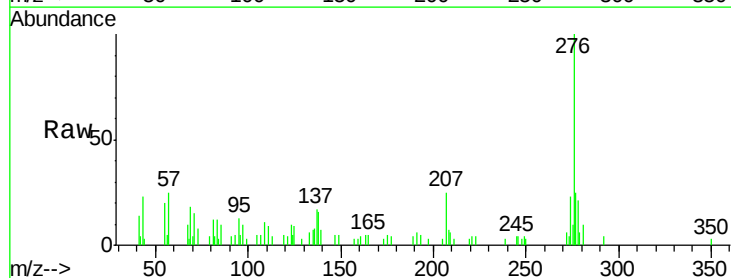
Tgt Ion:276 Resp: 20510

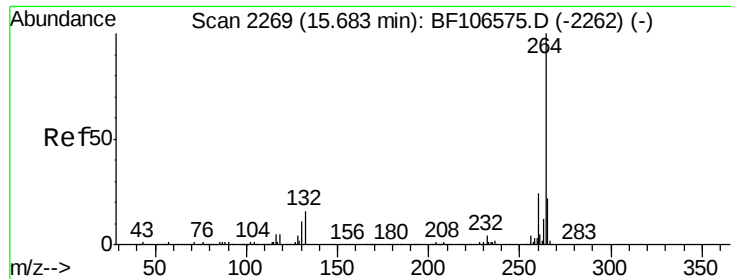
Ion Ratio Lower Upper

276 100

138 20.2 25.0 37.6#

277 27.0 20.1 30.1

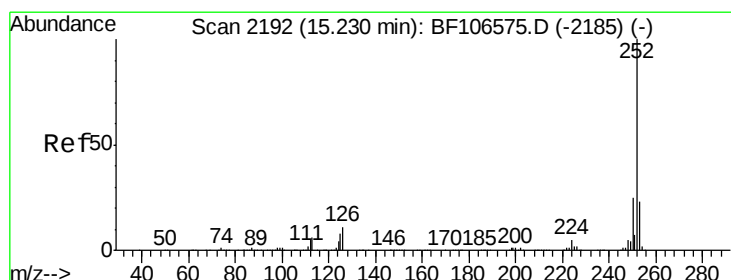
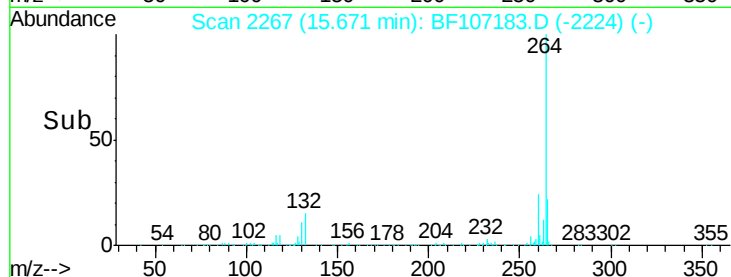
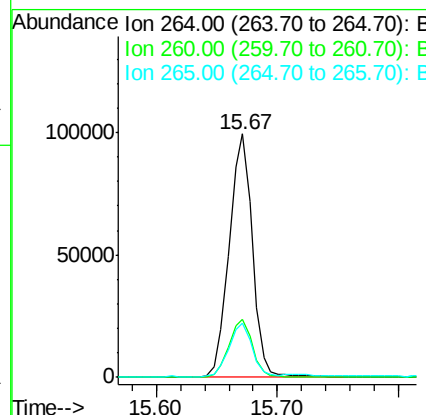
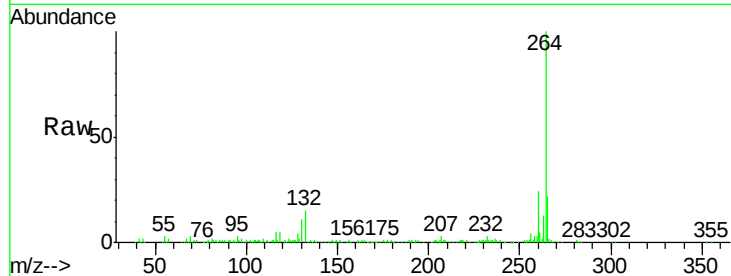




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.05 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

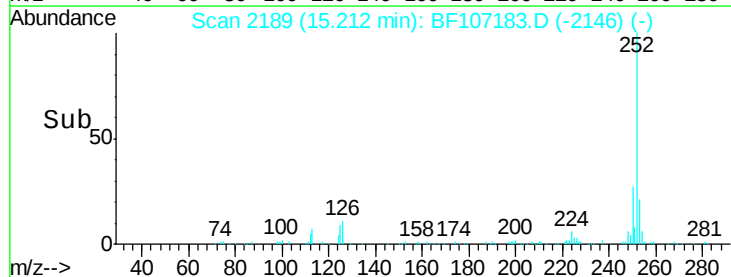
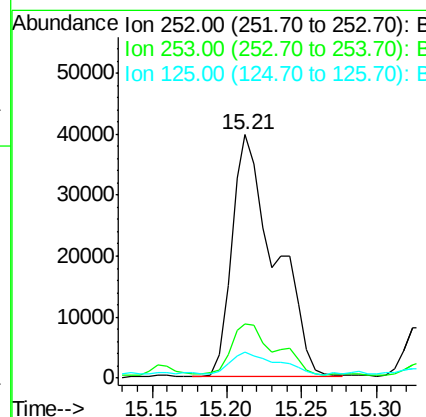
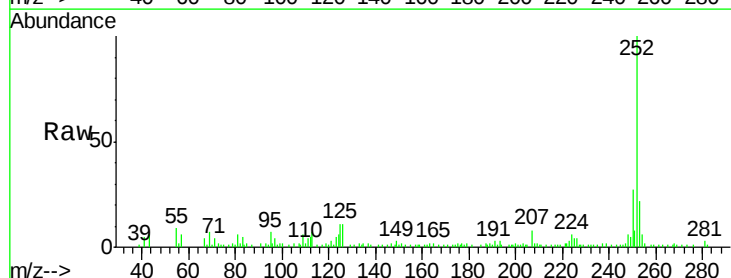
Instrument :
BNA_F
ClientSampleId :
S5

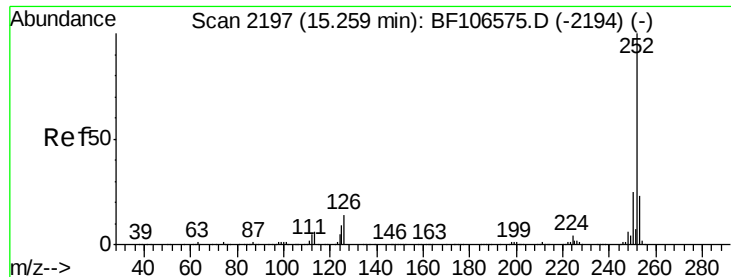
Tgt Ion:264 Resp: 132883
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 9.579 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion:252 Resp: 79067
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 10.7 9.0 13.6

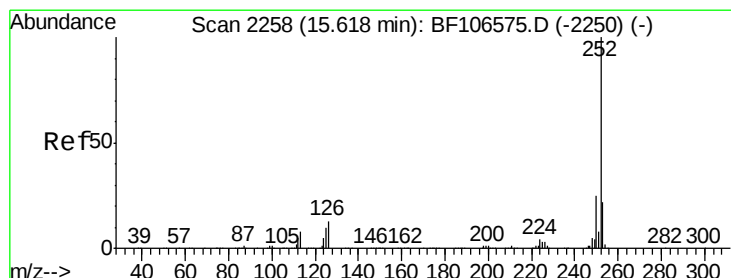
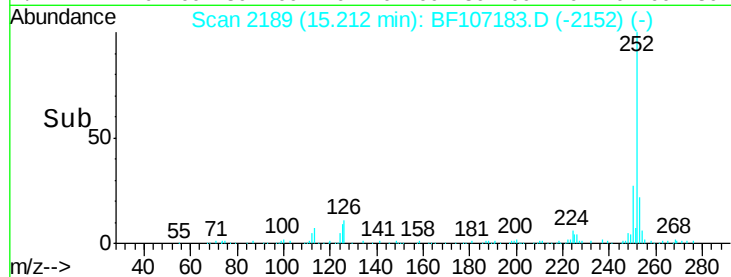
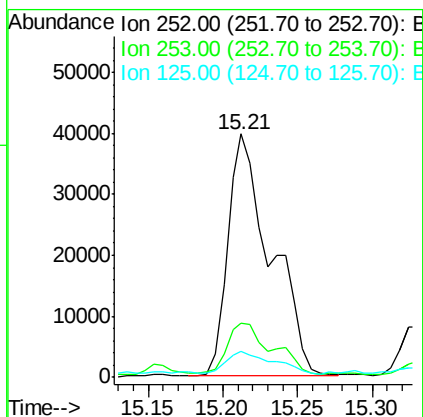
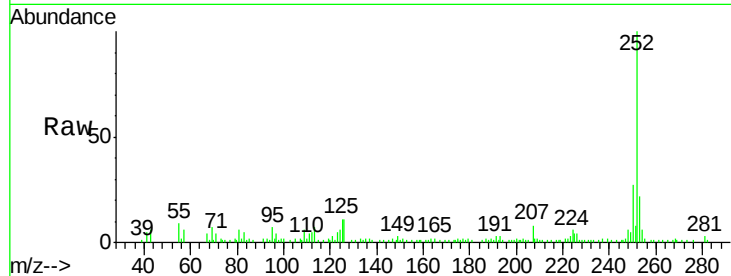




#88
Benzo(k)fluoranthene
Concen: 10.099 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.08 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

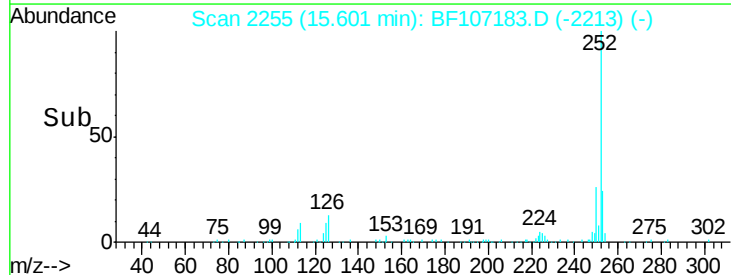
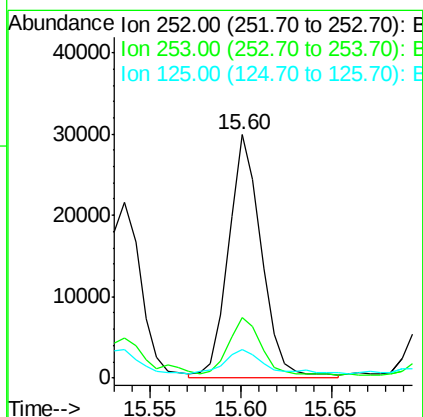
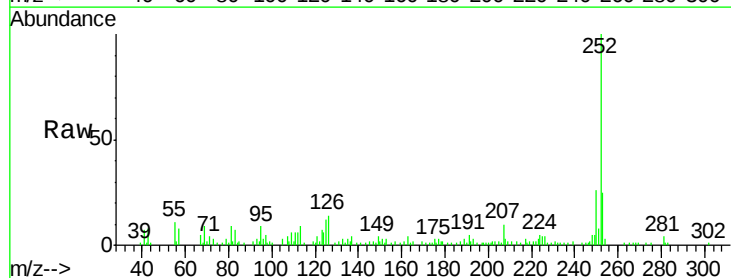
Instrument :
BNA_F
ClientSampled :
S5

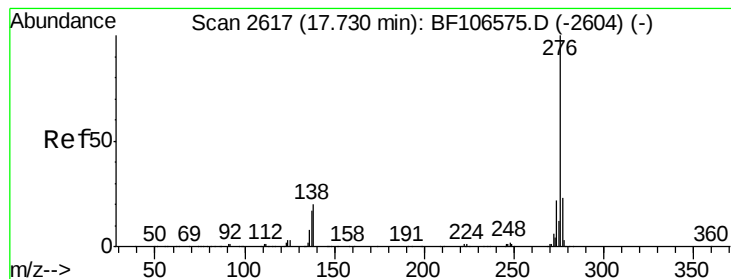
Tgt Ion:252 Resp: 79388
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 10.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 5.170 ng
RT: 15.60 min Scan# 2255
Delta R.T. -0.05 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion:252 Resp: 37939
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 11.8 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 3.051 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.06 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Instrument :

BNA_F

ClientSampleId :

S5

Tgt Ion: 276 Resp: 18547

Ion Ratio Lower Upper

276 100

277 26.6 17.9 26.9

138 19.1 21.8 32.8#

