

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
 Data File : BF107142.D
 Acq On : 5 Jul 2018 22:15
 Operator : JU/SJ
 Sample : J3815-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 04:14:16 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	6.95	152	55351	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	204738	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	90451	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	158017	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	169532	20.00	ng	-0.03
86) Perylene-d12	15.67	264	126651	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	283487	86.73	ng	-0.01
7) Phenol-d6	6.60	99	347928	85.23	ng	-0.02
23) Nitrobenzene-d5	7.51	82	213907	58.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	91470	87.25	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	401220	73.00	ng	-0.02
78) Terphenyl-d14	13.07	244	449024	64.16	ng	-0.02

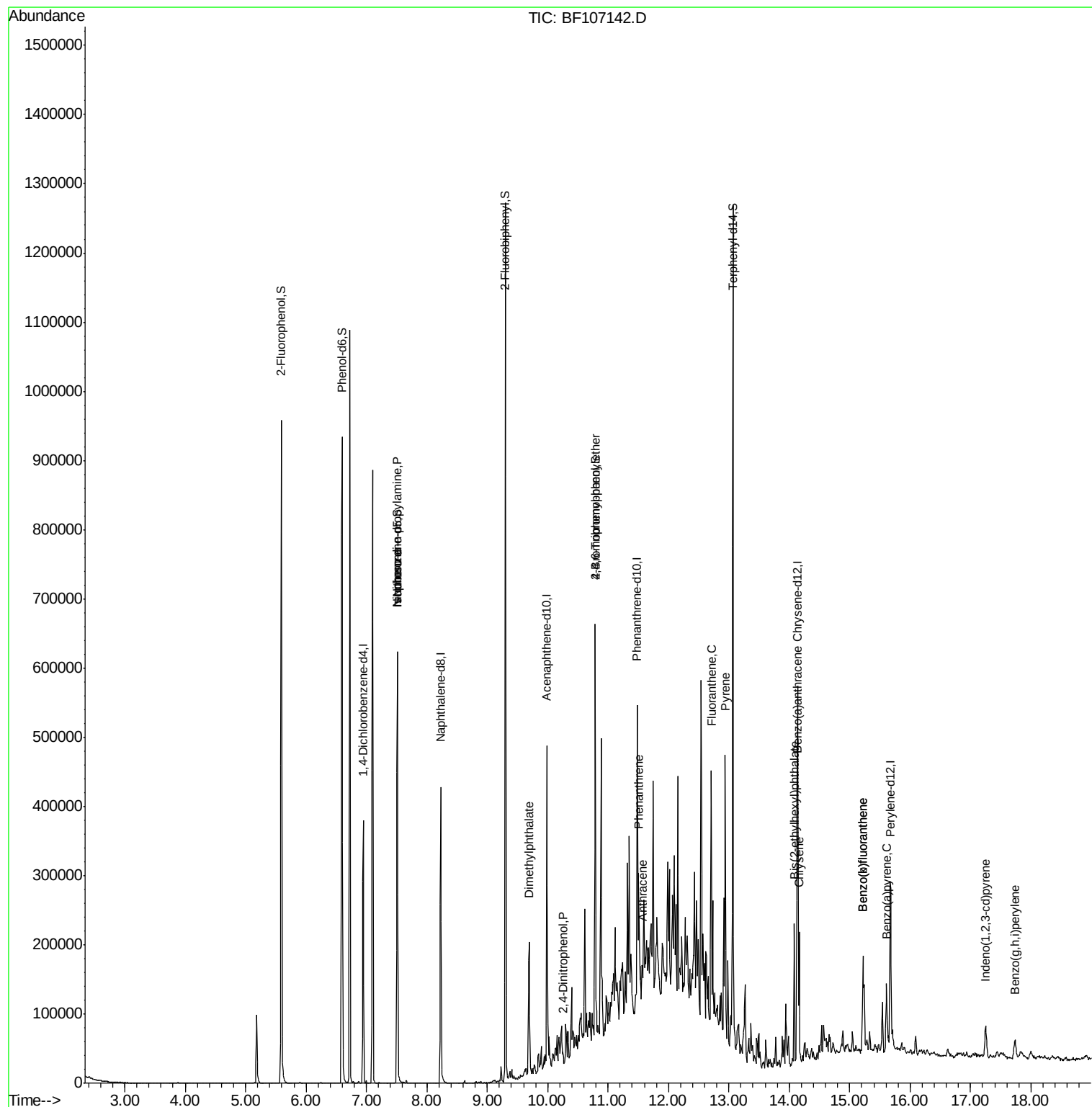
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.51	70	27487	10.215	ng	# 72
25) Isophorone	7.51	82	213905	32.950	ng	# 64
49) Dimethylphthalate	9.70	163	67078	9.888	ng	99
53) 2,4-Dinitrophenol	10.27	184	116	5.498	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	5432	2.880	ng	# 1
70) Phenanthrene	11.51	178	59746	7.839	ng	97
71) Anthracene	11.56	178	20620	2.651	ng	97
74) Fluoranthene	12.71	202	142704	16.988	ng	95
77) Pyrene	12.94	202	148831	13.313	ng	99
80) Benzo(a)anthracene	14.12	228	80212	7.763	ng	98
82) Chrysene	14.17	228	79567	8.370	ng	99
83) Bis(2-ethylhexyl)phthalate	14.08	149	52781	8.982	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.25	276	26746	3.316	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	104944	13.339	ng	97
88) Benzo(k)fluoranthene	15.22	252	104944	14.007	ng	98
89) Benzo(a)pyrene	15.61	252	49936	7.140	ng	97
91) Benzo(a,h,i)perylene	17.74	276	24737	4.270	ng	94

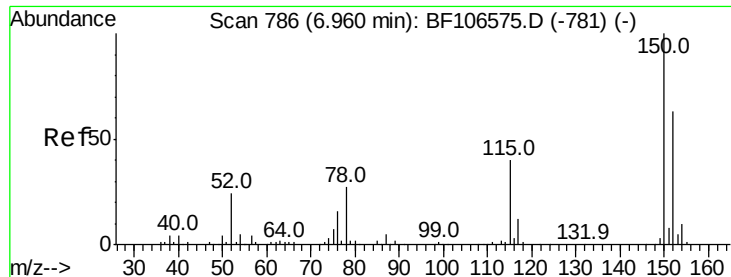
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107142.D
Acq On : 5 Jul 2018 22:15
Operator : JU/SJ
Sample : J3815-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 06 04:14:16 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



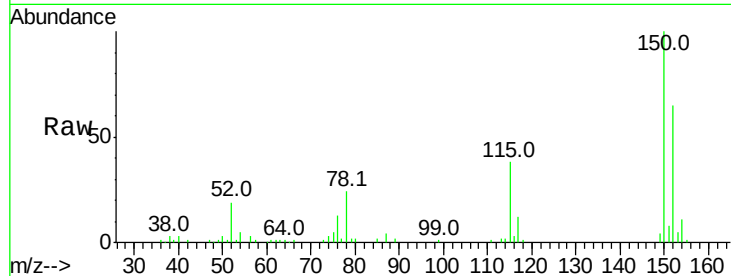


#1

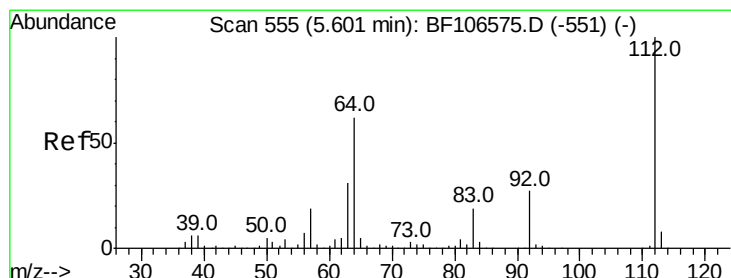
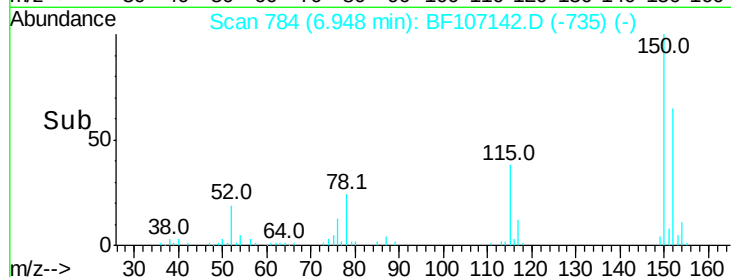
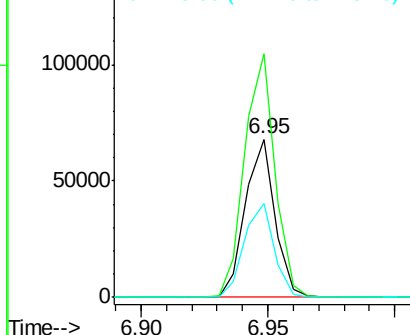
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 55351
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 59.0 50.1 75.1



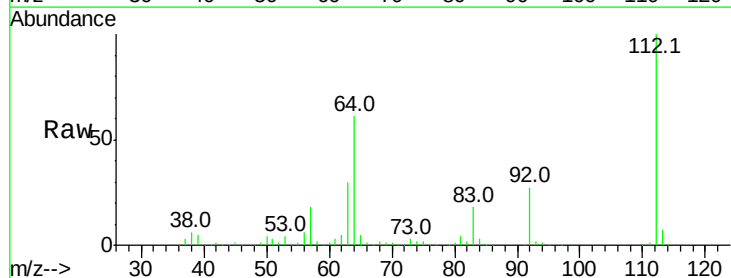
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



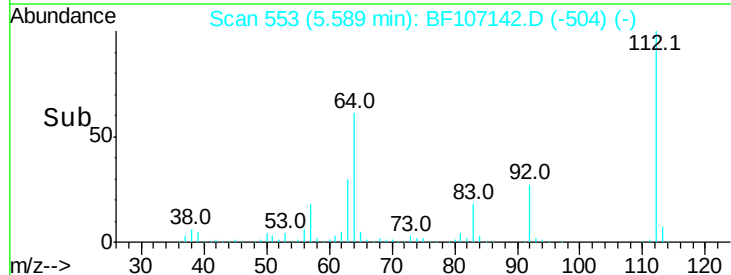
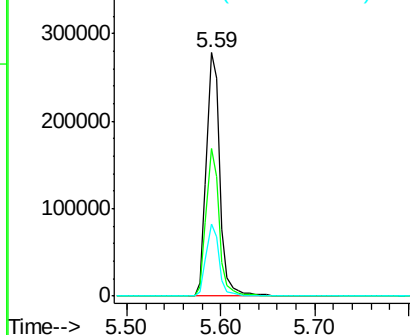
#5

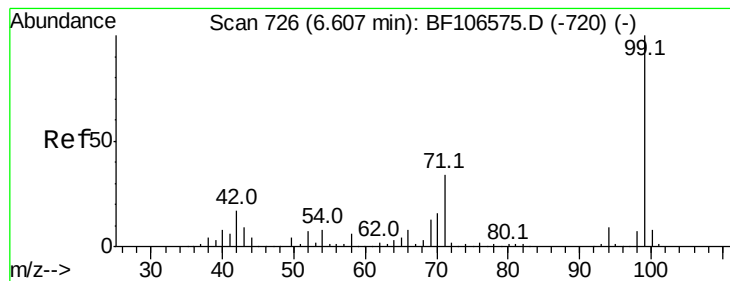
2-Fluorophenol
Concen: 86.725 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

Tgt Ion:112 Resp: 283487
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 29.6 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: 85.233 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

Instrument :

BNA_F

ClientSampleId :

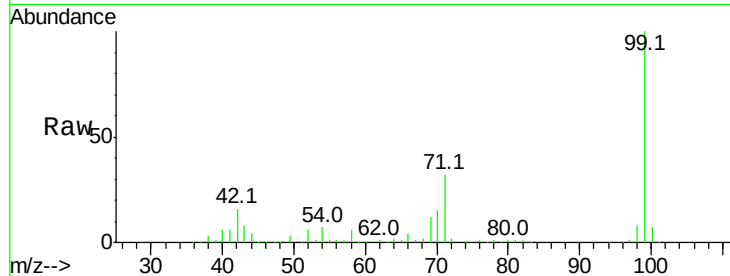
Tot Ion: 99 Resp: 347928

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

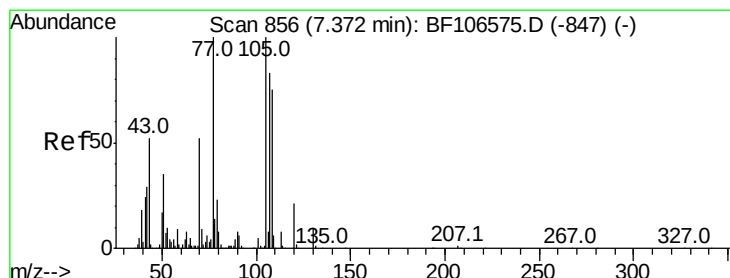
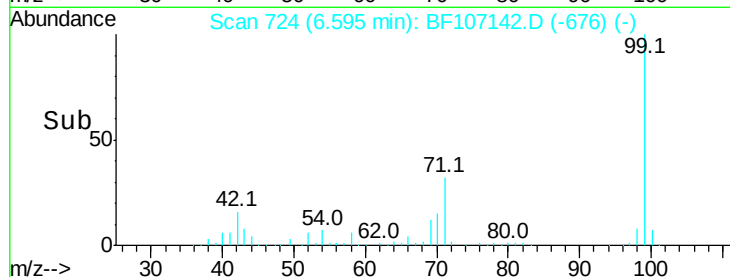
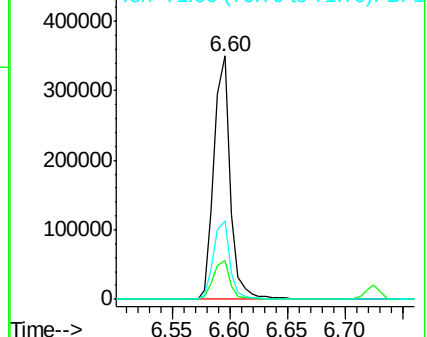
71 32.2 25.4 38.0



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: 10.215 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

Tgt Ion: 70 Resp: 27487

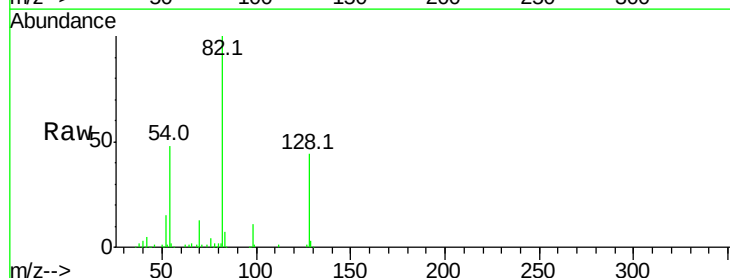
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

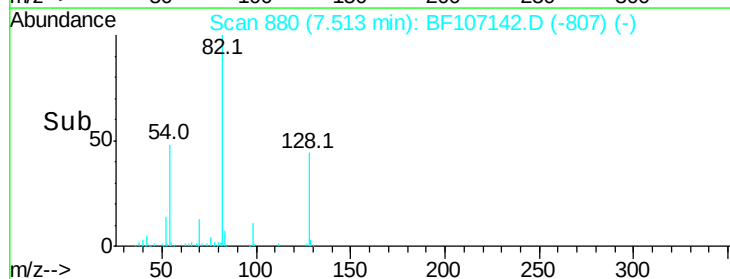
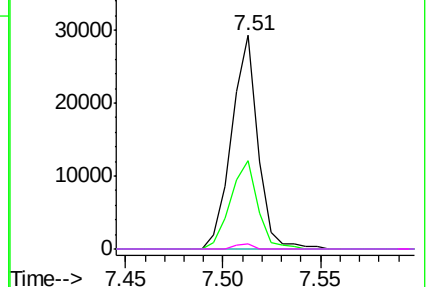


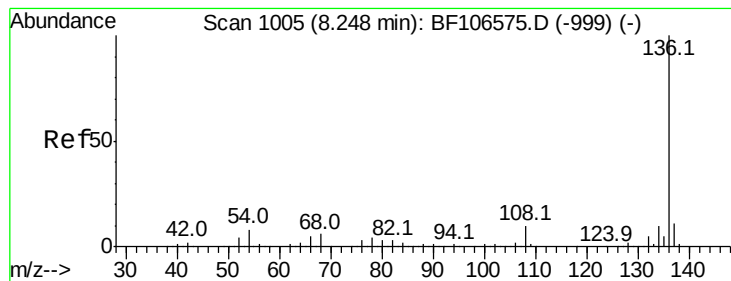
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF107142.D

Acq: 5 Jul 2018 22:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 204738

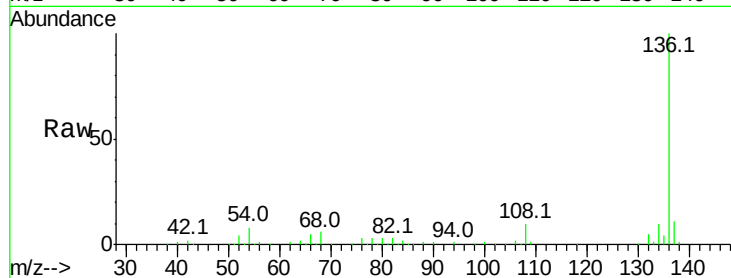
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.5 6.6 9.8

68 6.1 5.0 7.4

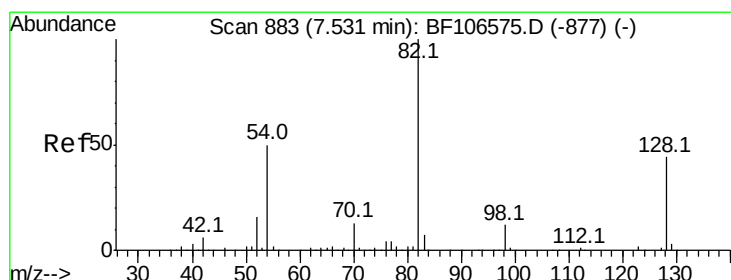
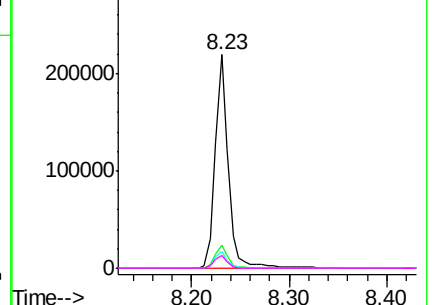
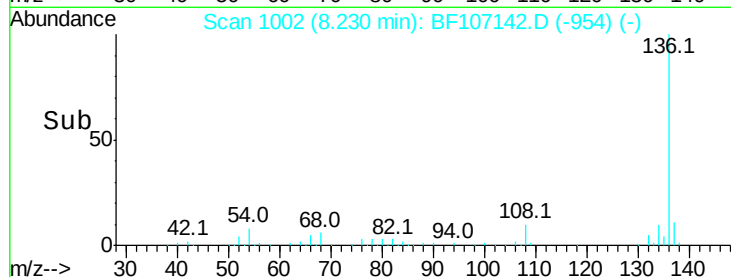


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.062 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

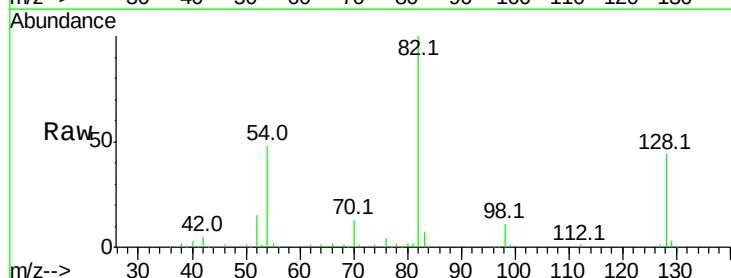
Tgt Ion: 82 Resp: 213907

Ion Ratio Lower Upper

82 100

128 43.7 36.1 54.1

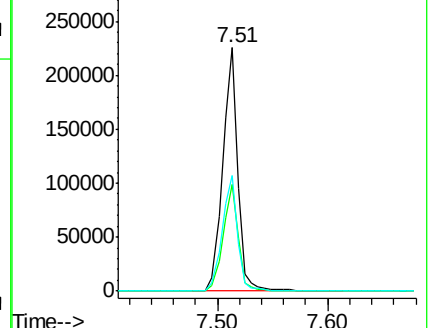
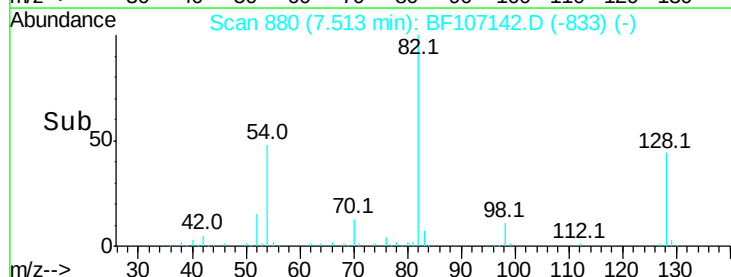
54 47.6 41.4 62.2

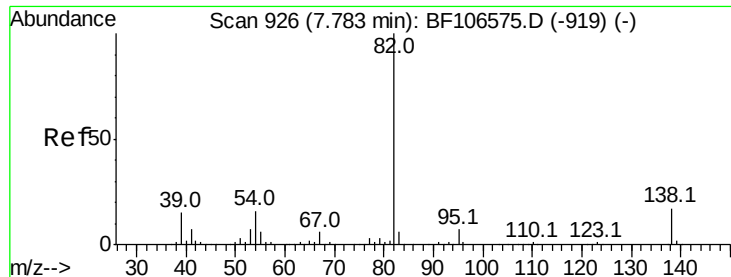


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.950 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

Instrument :

BNA_F

ClientSampled :

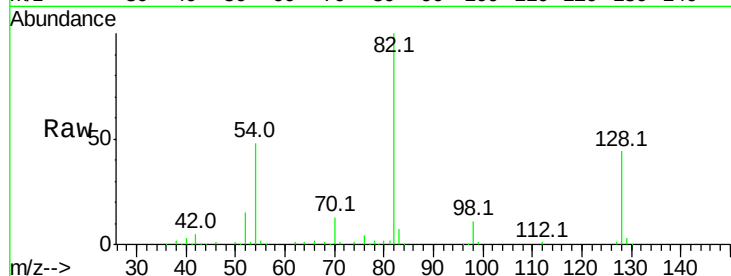
Tot Ion: 82 Resp: 213905

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

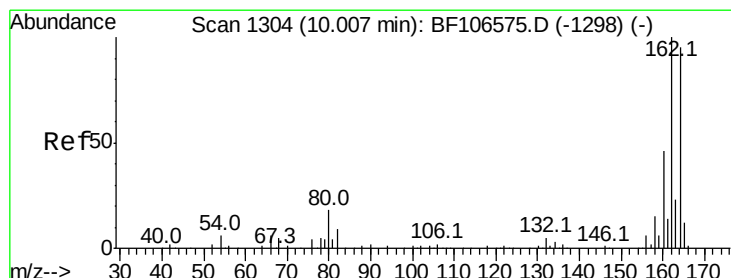
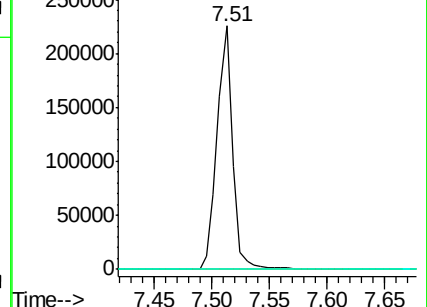
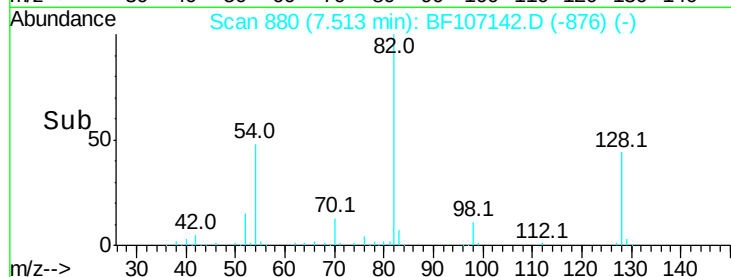
138 0.0 14.9 22.3#



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: BF107142.D

Acq: 5 Jul 2018 22:15

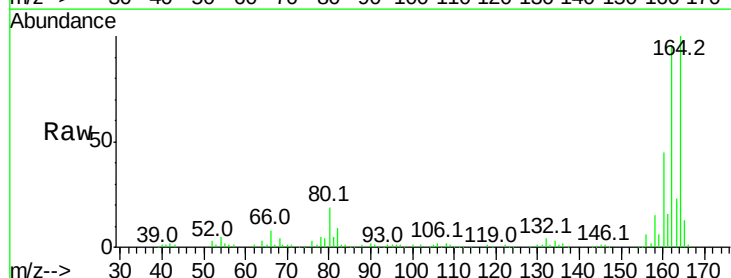
Tgt Ion:164 Resp: 90451

Ion Ratio Lower Upper

164 100

162 96.4 86.1 129.1

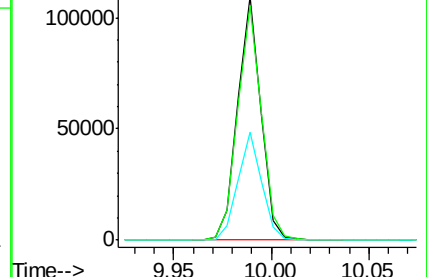
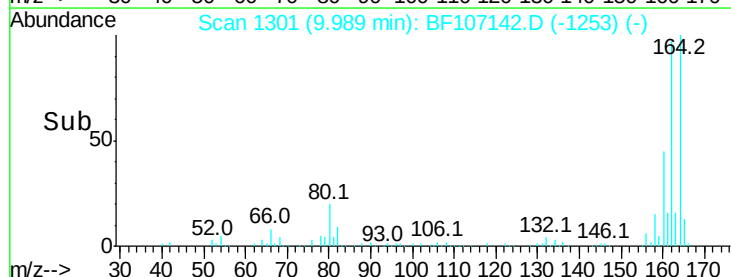
160 44.6 38.3 57.5

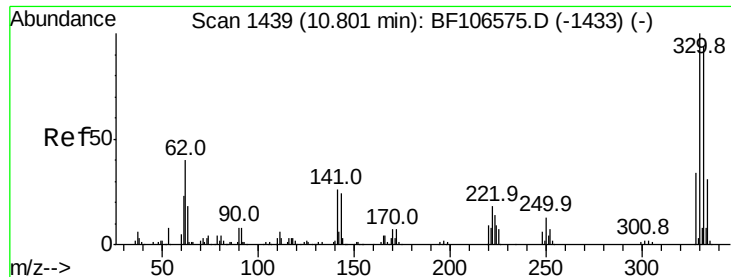


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

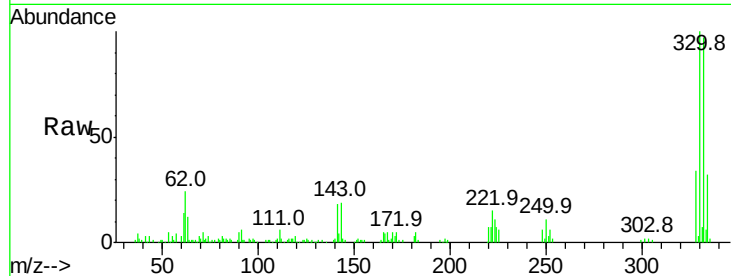




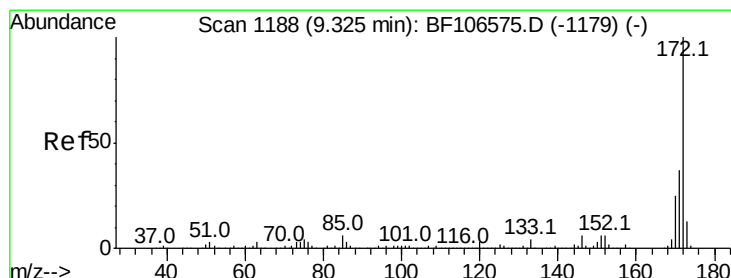
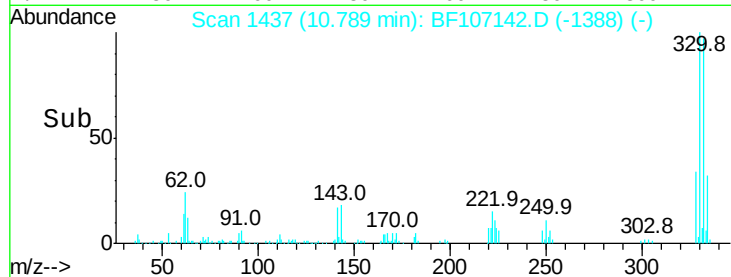
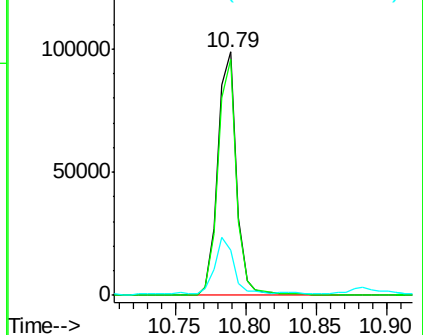
#41
 2,4,6-Tribromophenol
 Concen: 87.251 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107142.D
 Acq: 5 Jul 2018 22:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 91470
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 25.0 29.9 44.9#

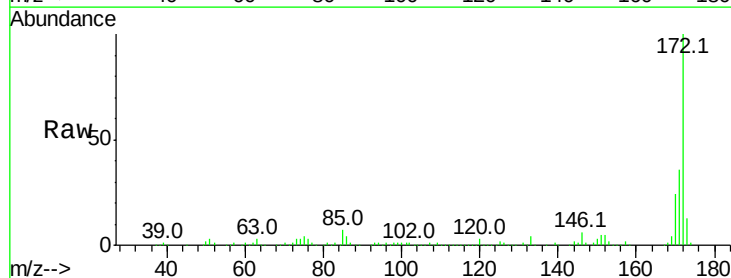


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

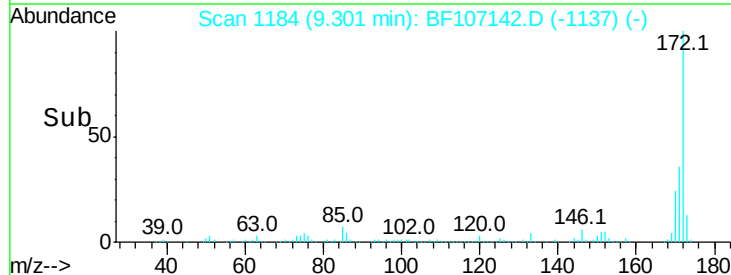
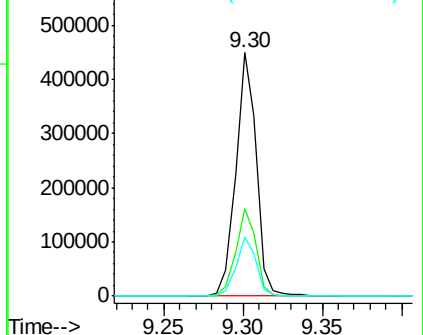


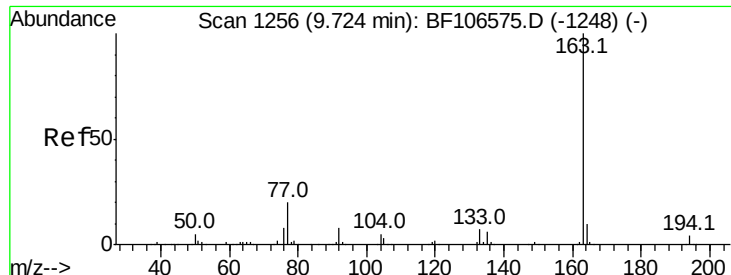
#44
 2-Fluorobiphenyl
 Concen: 72.998 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107142.D
 Acq: 5 Jul 2018 22:15

Tgt Ion:172 Resp: 401220
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.3 19.6 29.4



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

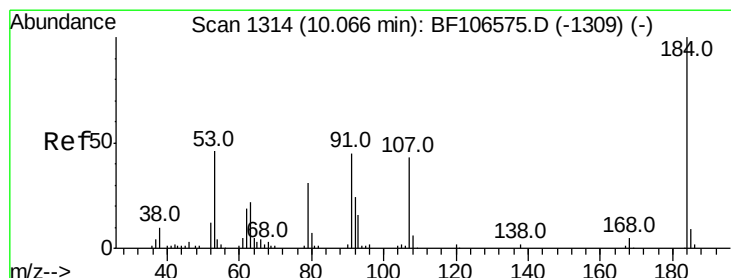
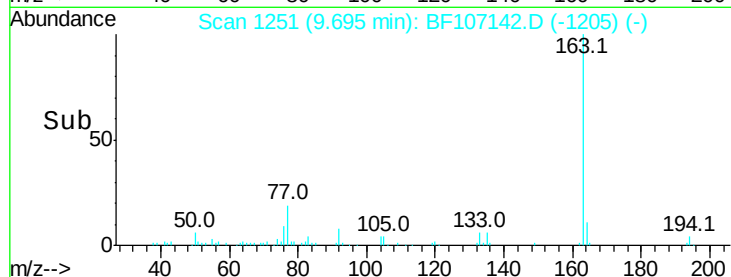
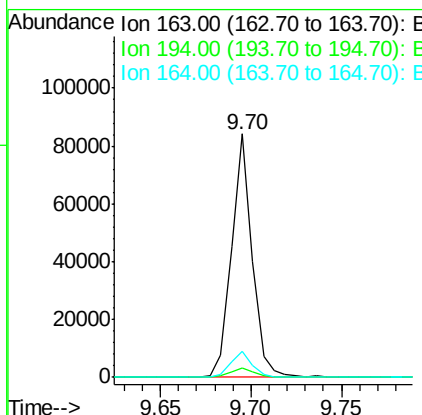
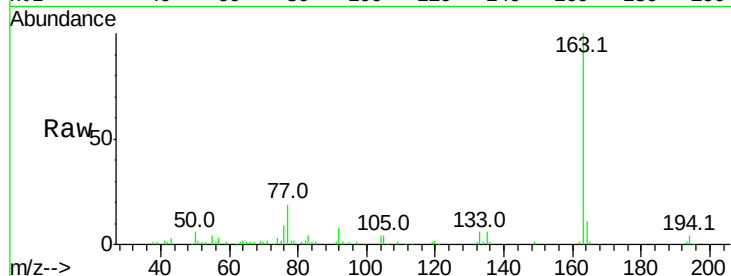




#49
Dimethylphthalate
Concen: 9.888 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

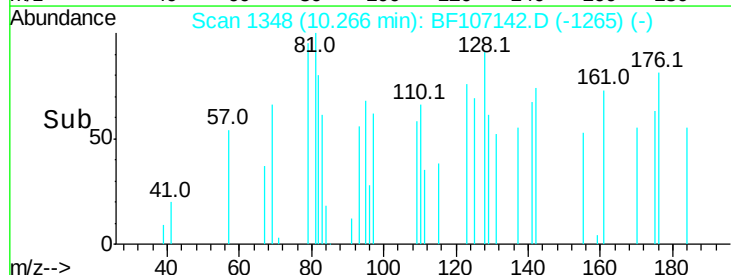
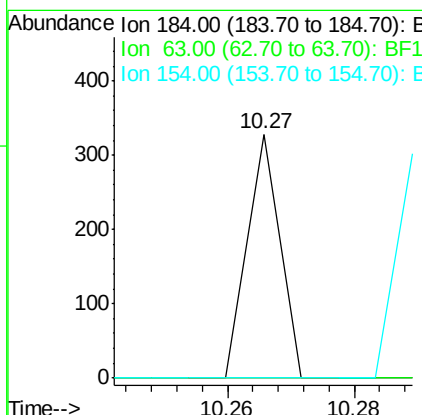
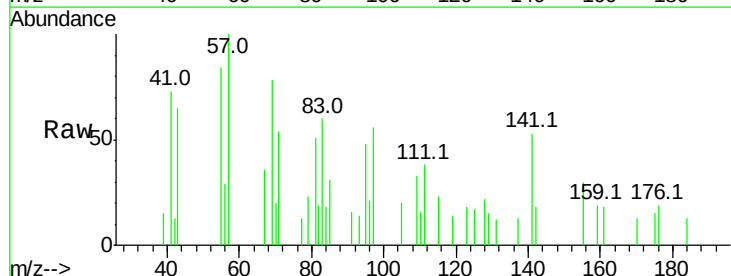
Instrument :
BNA_F
ClientSampleId :

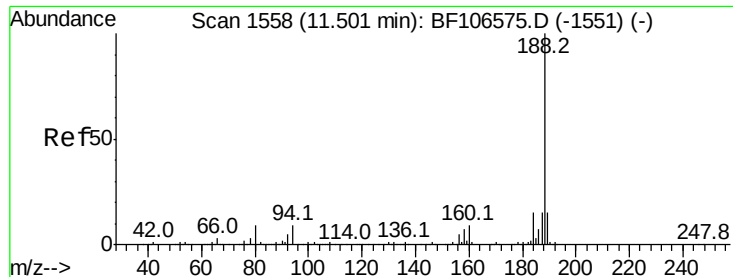
Tot Ion:163 Resp: 67078
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.6 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 5.498 ng
RT: 10.27 min Scan# 1348
Delta R.T. 0.19 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

Tgt Ion:184 Resp: 116
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 184.0 276.0#

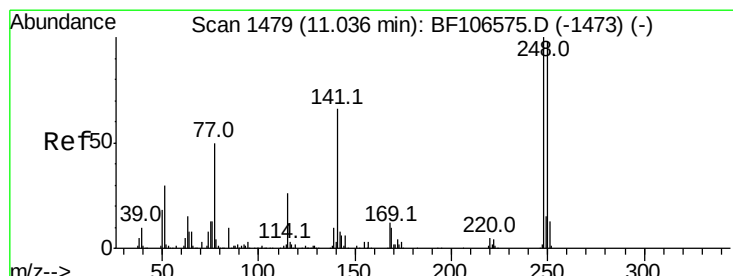
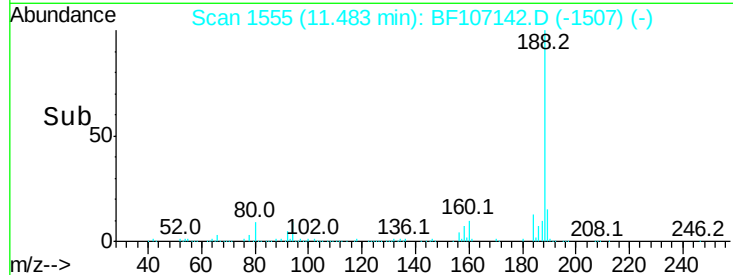
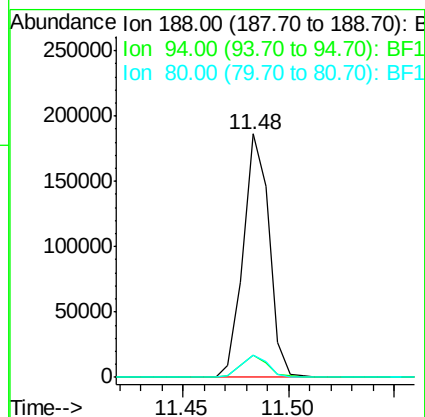
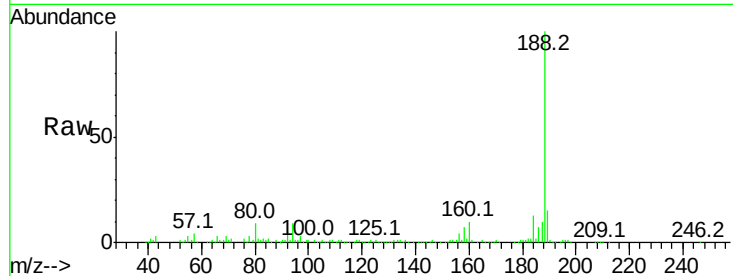




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

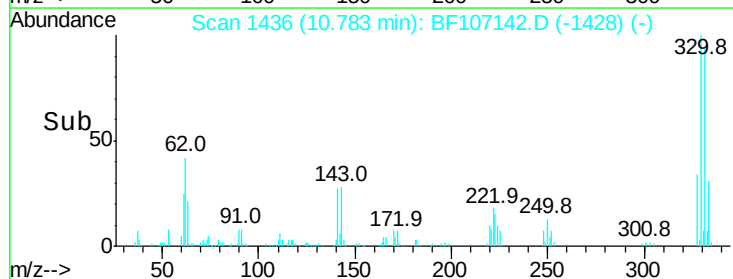
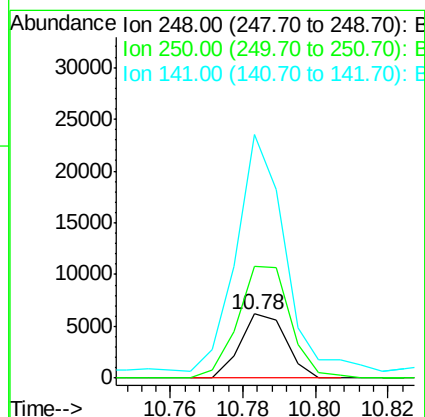
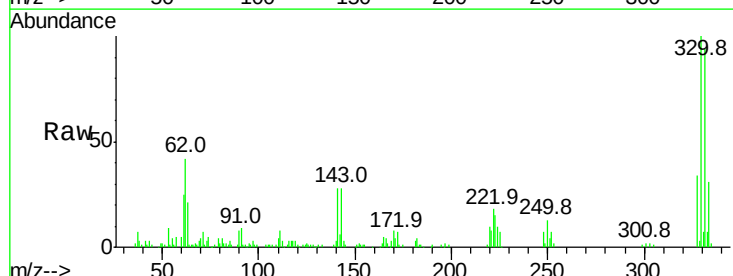
Instrument :
BNA_F
ClientSampled :

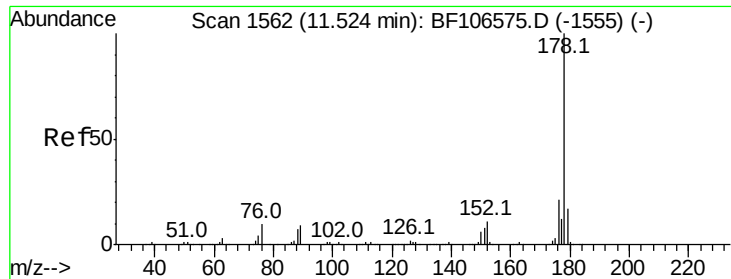
Tot Ion:188 Resp: 158017
Ion Ratio Lower Upper
188 100
94 9.1 8.5 12.7
80 9.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.880 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

Tgt Ion:248 Resp: 5432
Ion Ratio Lower Upper
248 100
250 174.1 76.9 115.3#
141 380.8 74.4 111.6#





#70

Phenanthrene

Concen: 7.839 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

Instrument :

BNA_F

ClientSampleId :

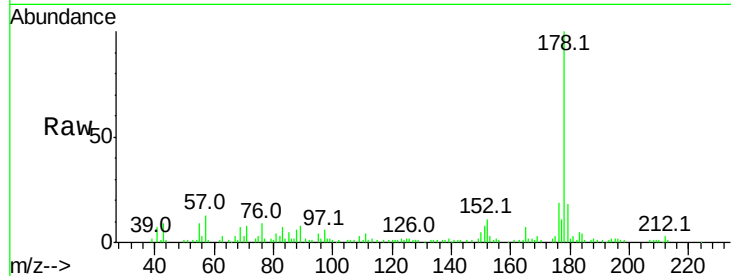
Tot Ion:178 Resp: 59746

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

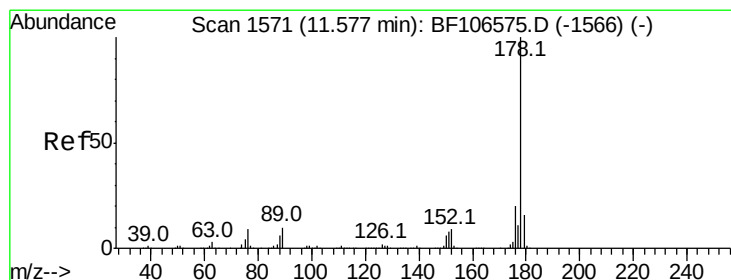
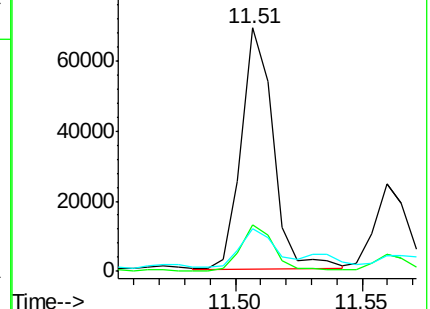
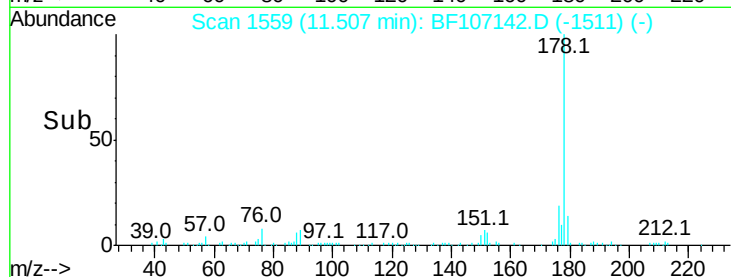
179 17.7 13.0 19.6



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: 2.651 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

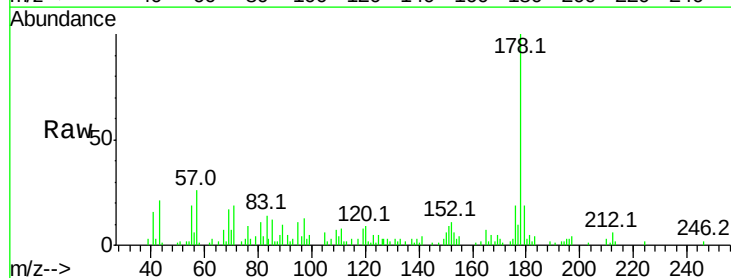
Tgt Ion:178 Resp: 20620

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

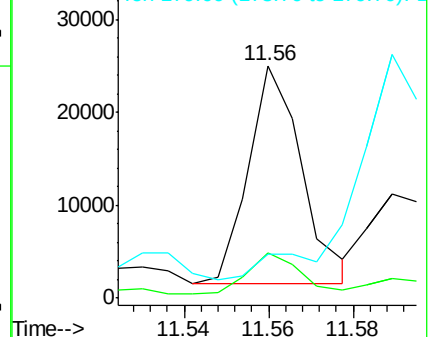
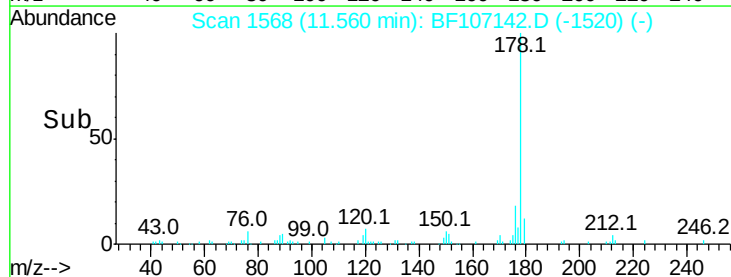
179 18.6 12.6 19.0

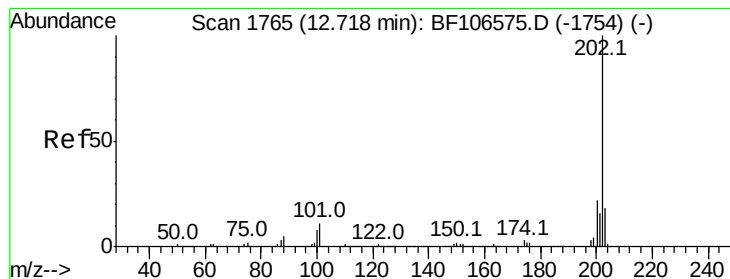


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 16.988 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

Instrument :

BNA_F

ClientSampleId :

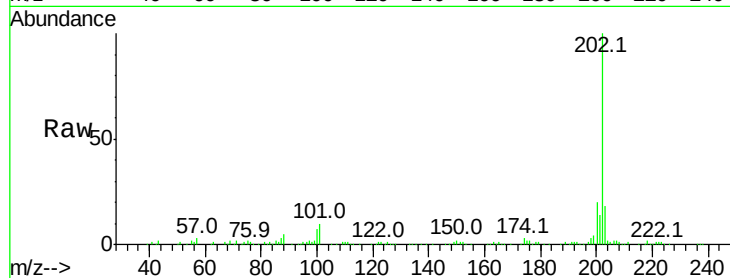
Tot Ion:202 Resp: 142704

Ion Ratio Lower Upper

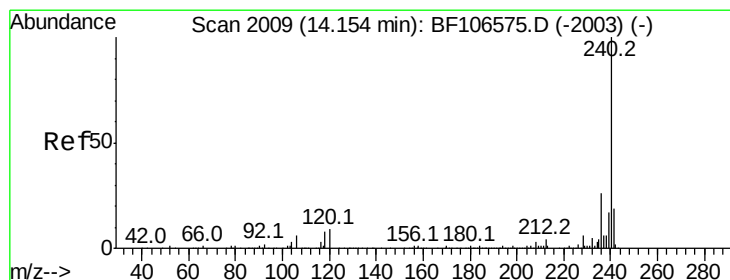
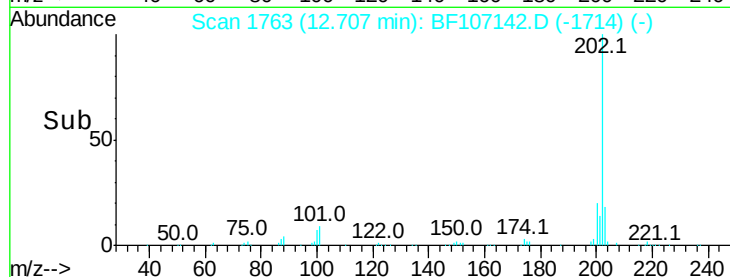
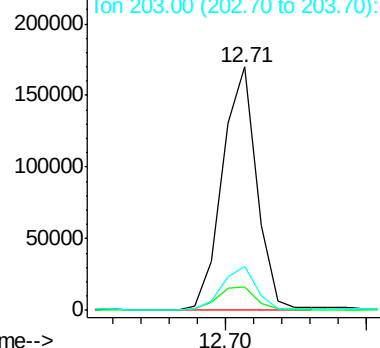
202 100

101 9.6 0.0 34.1

203 17.9 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: BF107142.D

Acq: 5 Jul 2018 22:15

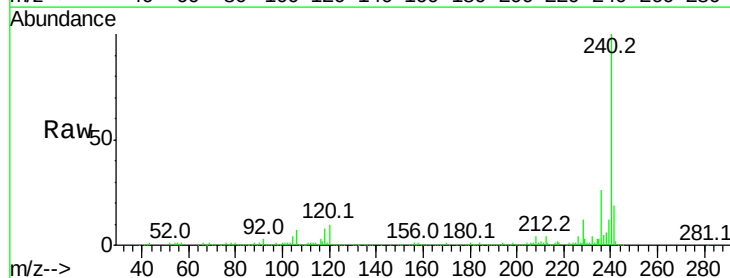
Tgt Ion:240 Resp: 169532

Ion Ratio Lower Upper

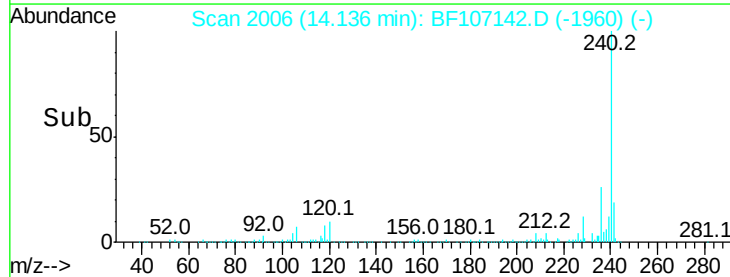
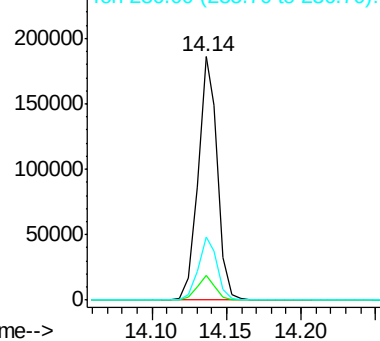
240 100

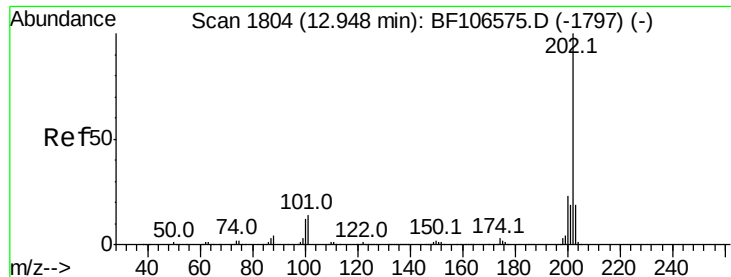
120 10.0 9.5 14.3

236 25.7 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

Pvrene

Concen: 13.313 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

Instrument :

BNA_F

ClientSampleId :

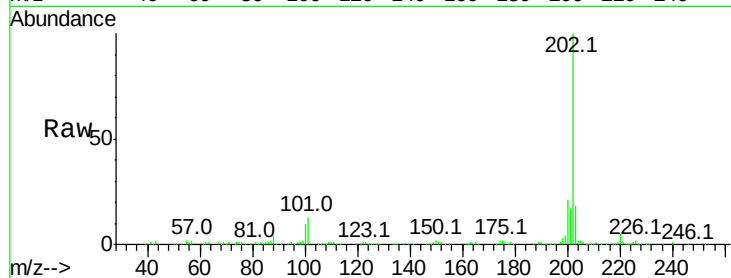
Tot Ion:202 Resp: 148831

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

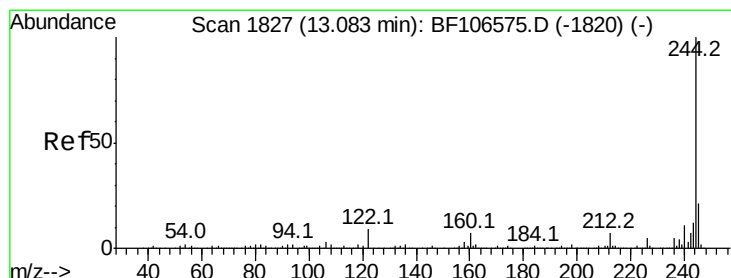
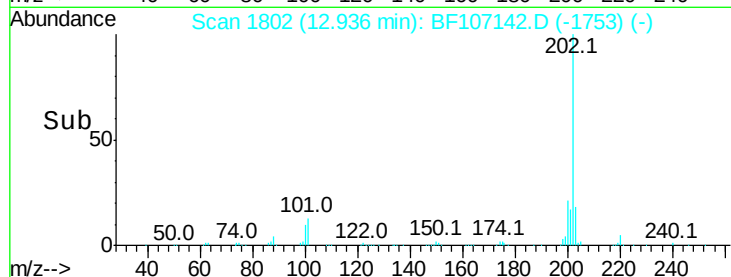
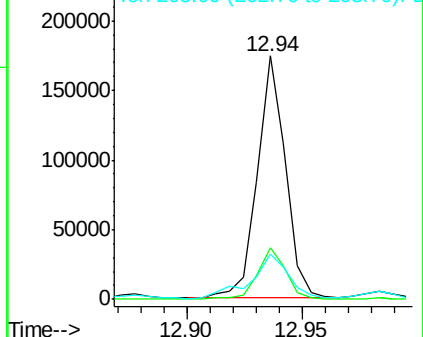
203 18.5 14.3 21.5



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



#78

Terphenyl-d14

Concen: 64.157 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

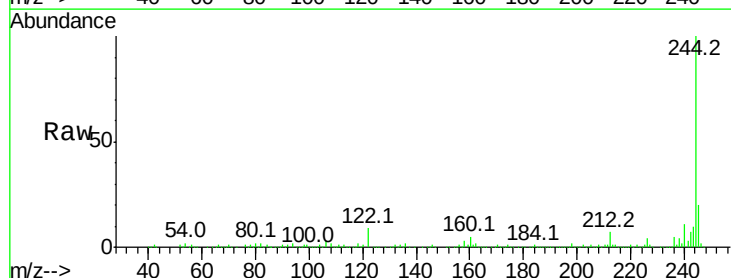
Tgt Ion:244 Resp: 449024

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

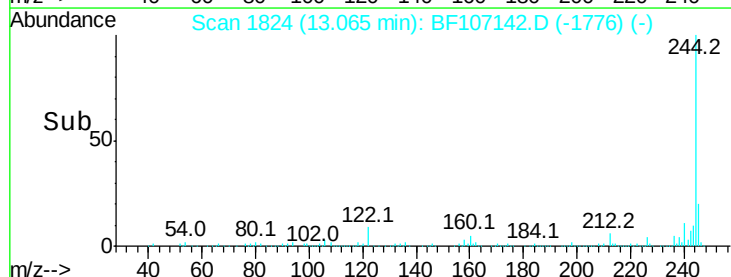
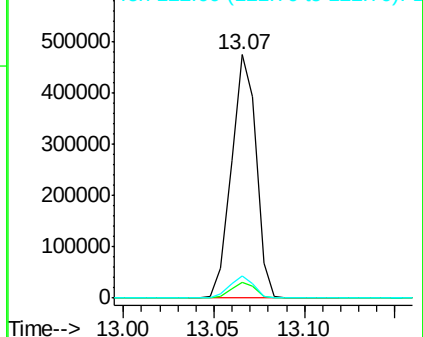
122 9.3 11.0 16.4#

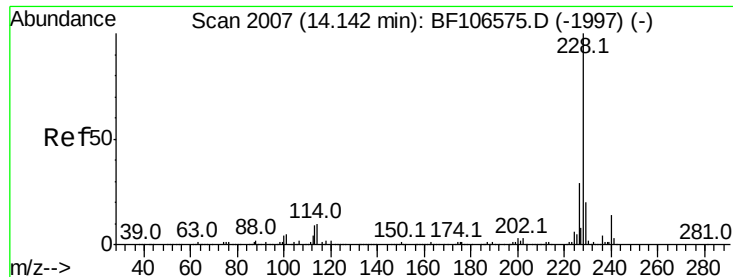


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

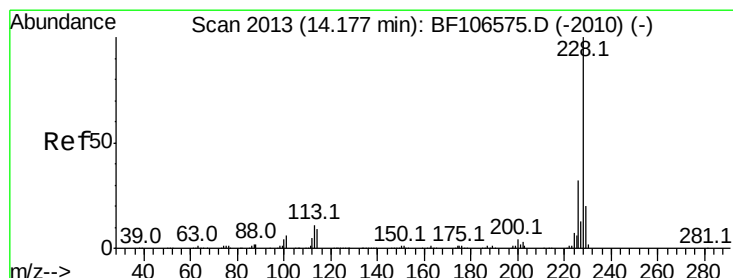
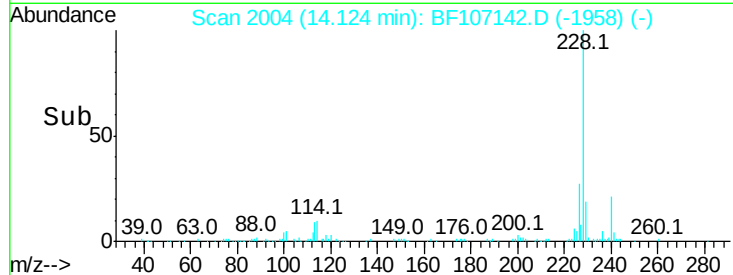
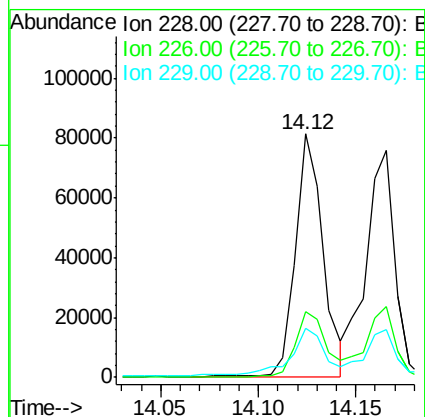
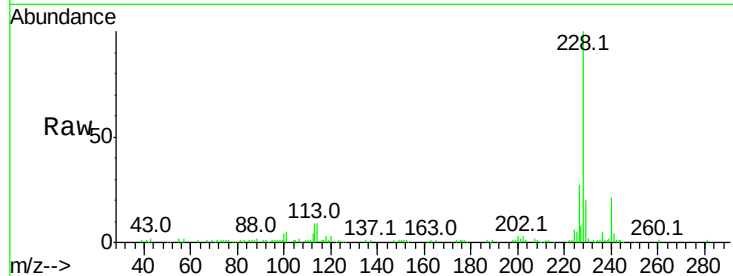




#80
Benzo(a)anthracene
Concen: 7.763 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

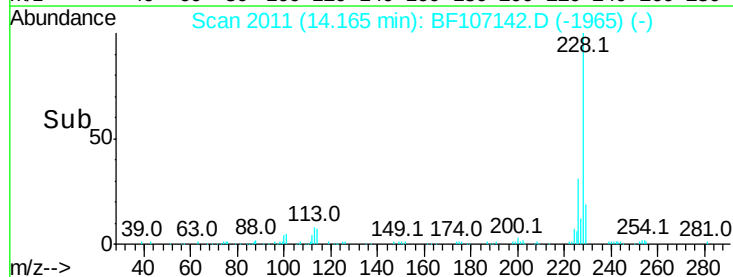
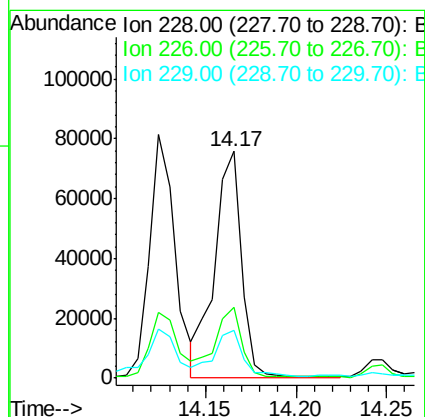
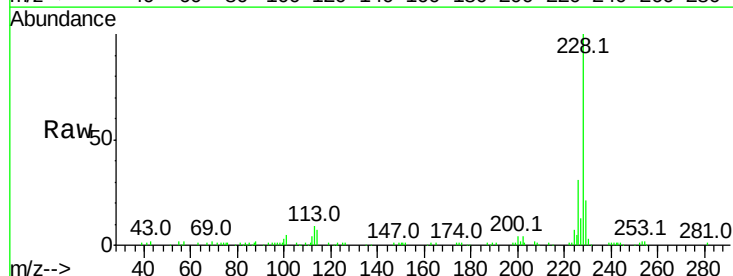
Instrument :
BNA_F
ClientSampled :

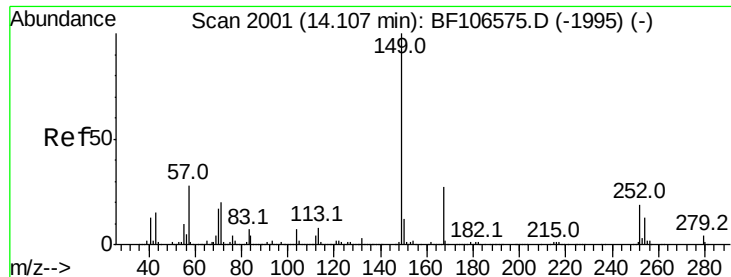
Tot Ion:228 Resp: 80212
Ion Ratio Lower Upper
228 100
226 27.0 22.6 33.8
229 20.0 15.8 23.6



#82
Chrysene
Concen: 8.370 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

Tgt Ion:228 Resp: 79567
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 21.2 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 8.982 ng

RT: 14.08 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

Instrument :

BNA_F

ClientSampleId :

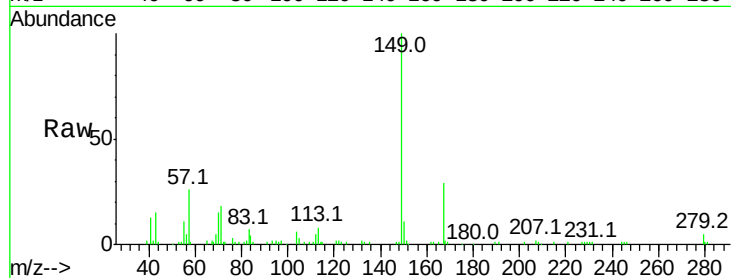
Tot Ion:149 Resp: 52781

Ion Ratio Lower Upper

149 100

167 29.0 21.3 31.9

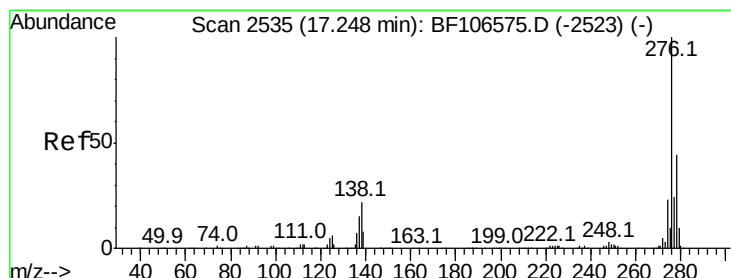
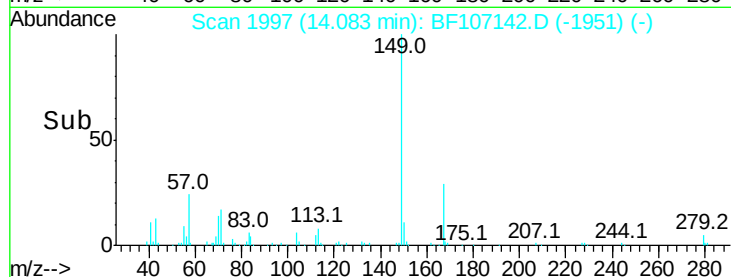
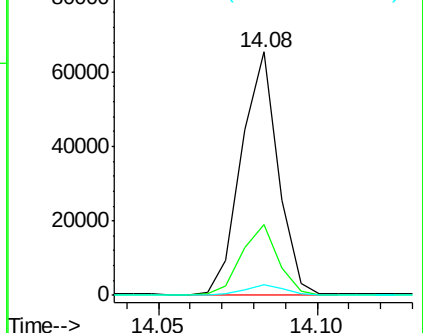
279 4.6 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.316 ng

RT: 17.25 min Scan# 2536

Delta R.T. -0.05 min

Lab File: BF107142.D

Acq: 5 Jul 2018 22:15

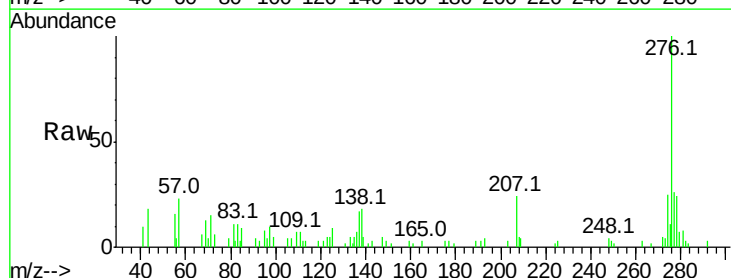
Tgt Ion:276 Resp: 26746

Ion Ratio Lower Upper

276 100

138 20.1 25.0 37.6#

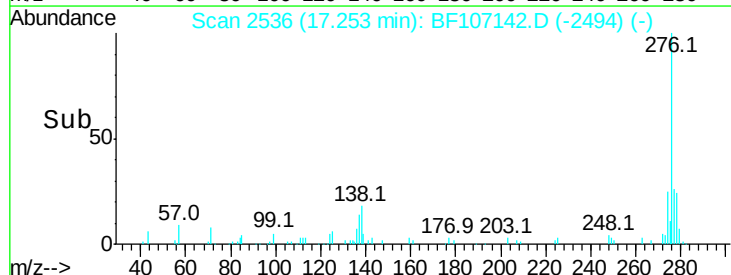
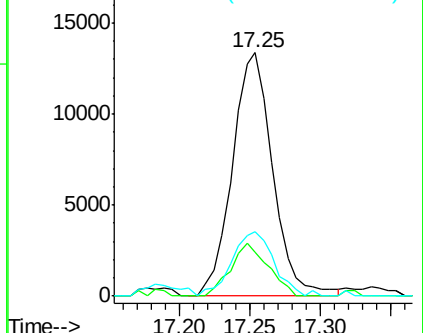
277 27.6 20.1 30.1

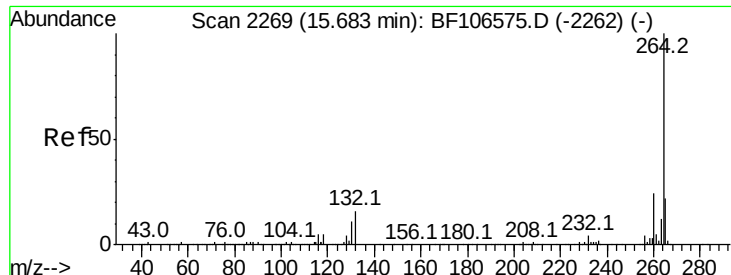


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

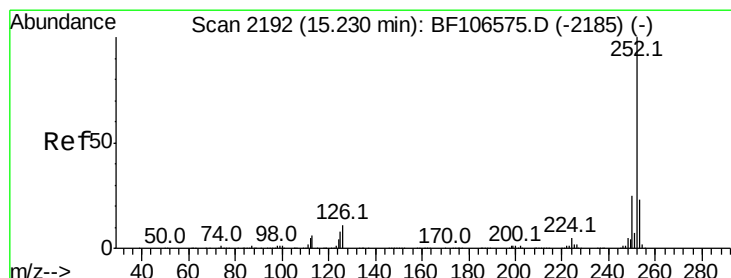
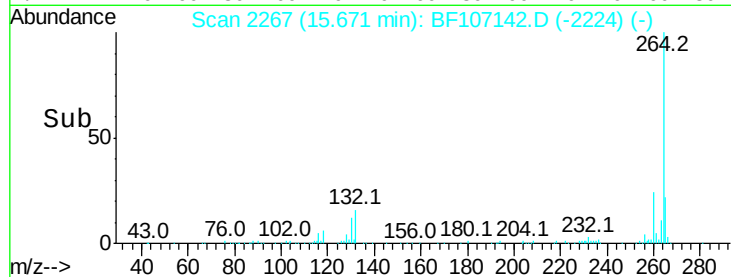
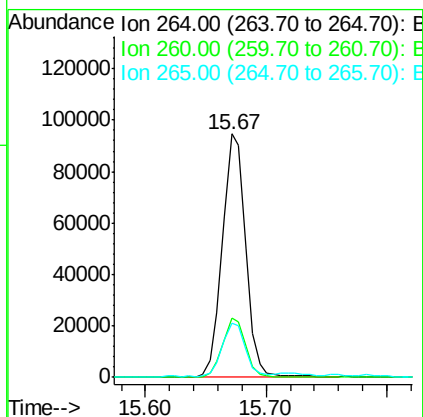
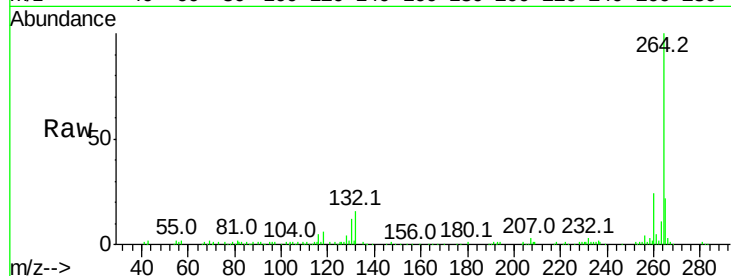




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2267
 Delta R.T. -0.05 min
 Lab File: BF107142.D
 Acq: 5 Jul 2018 22:15

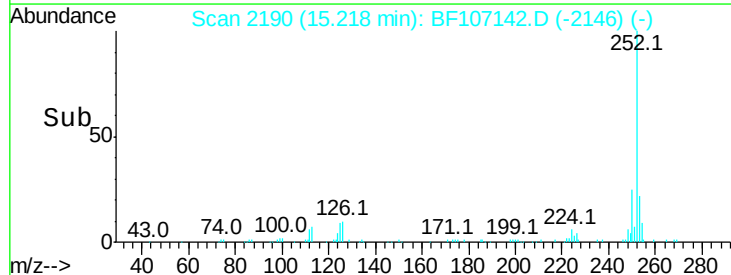
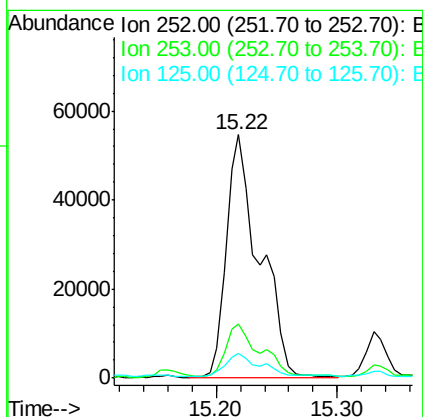
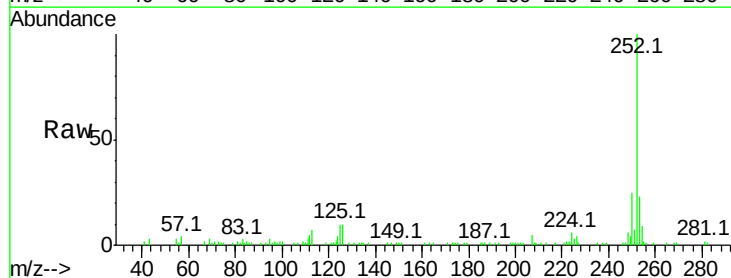
Instrument :
 BNA_F
 ClientSampleId :

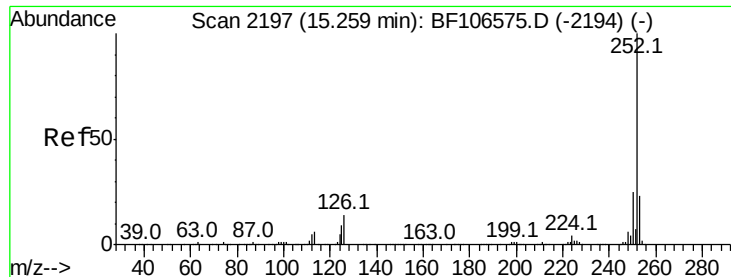
Tot Ion:264 Resp: 126651
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 22.1 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 13.339 ng
 RT: 15.22 min Scan# 2190
 Delta R.T. -0.04 min
 Lab File: BF107142.D
 Acq: 5 Jul 2018 22:15

Tgt Ion:252 Resp: 104944
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.0 25.6
 125 10.3 9.0 13.6

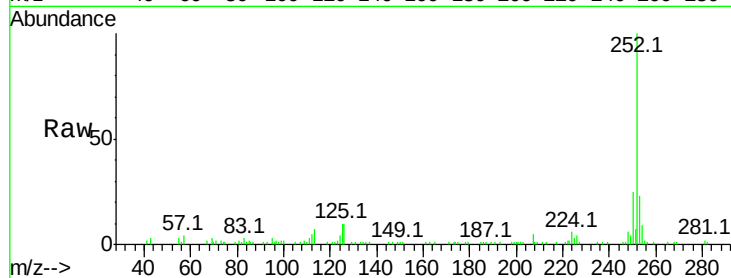




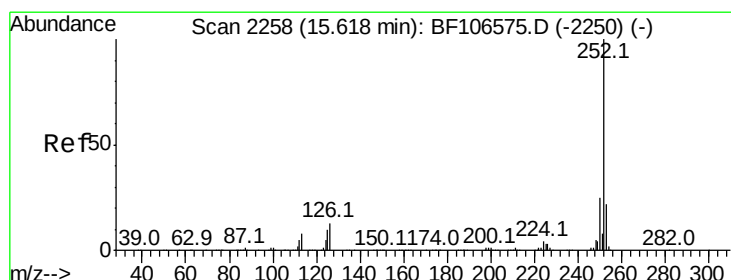
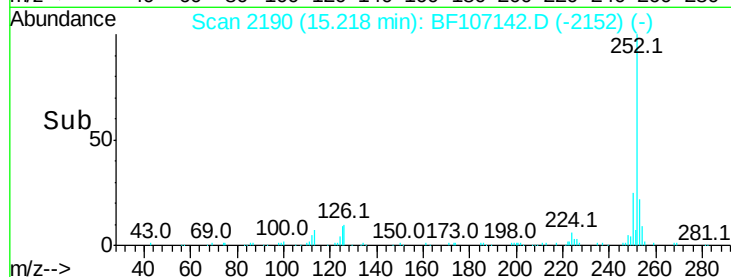
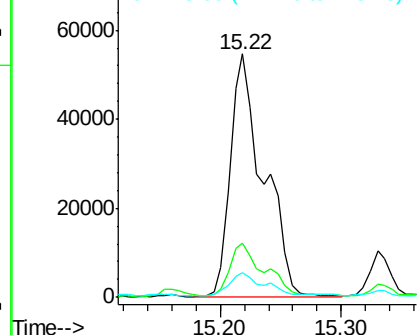
#88
Benzo(k)fluoranthene
Concen: 14.007 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.08 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	10.3	10.2	15.2

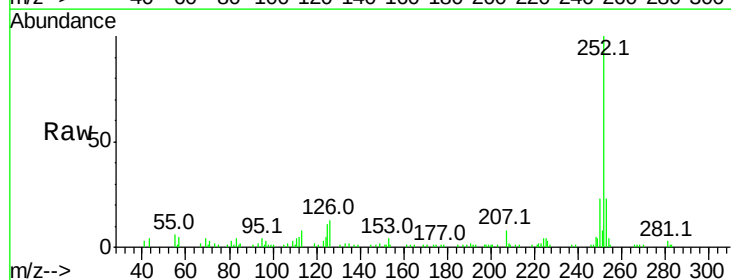


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

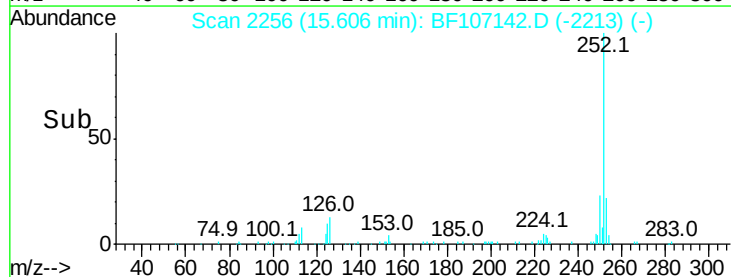
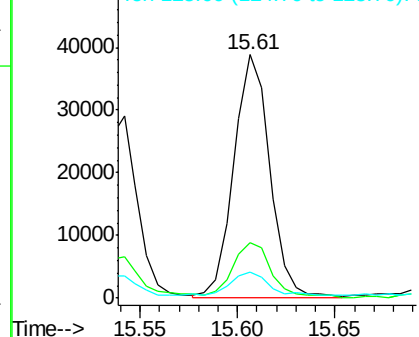


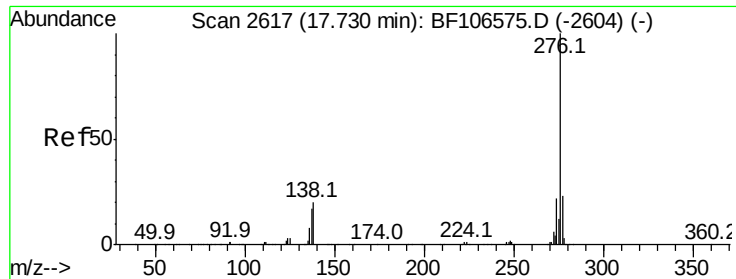
#89
Benzo(a)pyrene
Concen: 7.140 ng
RT: 15.61 min Scan# 2256
Delta R.T. -0.05 min
Lab File: BF107142.D
Acq: 5 Jul 2018 22:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.8	9.8	14.6



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





#91
 Benzo(a,h,i)perylene
 Concen: 4.270 ng
 RT: 17.74 min Scan# 2618
 Delta R.T. -0.05 min
 Lab File: BF107142.D
 Acq: 5 Jul 2018 22:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	22.7	21.8	32.8

