

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
 Data File : BF107052.D
 Acq On : 2 Jul 2018 18:50
 Operator : JU/SJ
 Sample : J3629-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 01:24:27 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	6.96	152	63533	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	225295	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	97121	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	190307	20.00	ng	0.00
75) Chrysene-d12	14.16	240	146978	20.00	ng	0.00
86) Perylene-d12	15.71	264	105447	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	385878	102.85	ng	0.00
7) Phenol-d6	6.61	99	462113	98.63	ng	0.00
23) Nitrobenzene-d5	7.52	82	255863	63.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	124399	110.51	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	419361	70.58	ng	-0.01
78) Terphenyl-d14	13.08	244	481451	79.35	ng	0.00

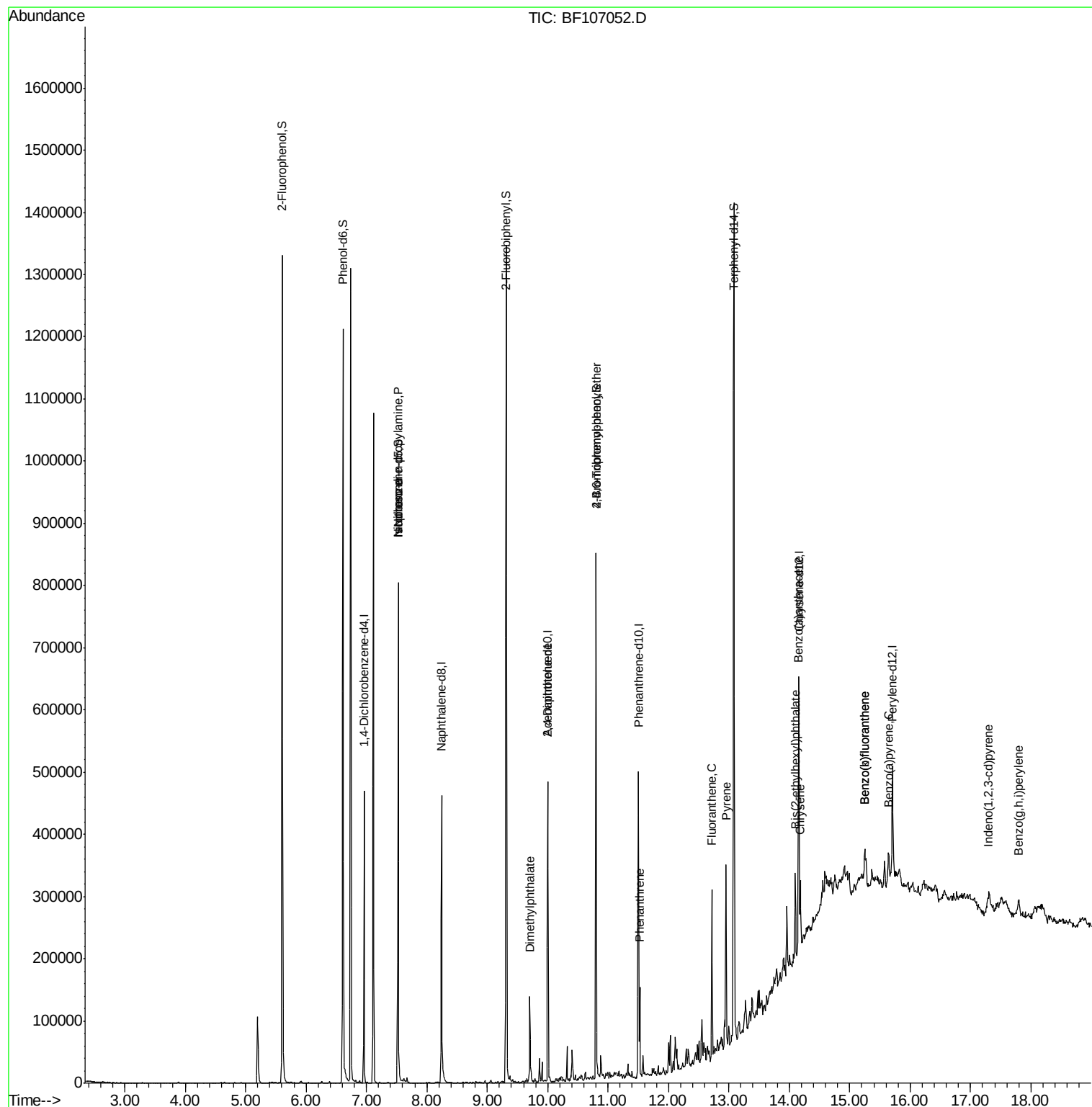
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	33312	10.786	ng	# 73
25) Isophorone	7.52	82	255861	35.816	ng	# 64
49) Dimethylphthalate	9.71	163	57696	7.921	ng	# 98
56) 2,4-Dinitrotoluene	10.00	165	12785	6.350	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	7396	3.256	ng	# 1
70) Phenanthrene	11.52	178	53088	5.784	ng	97
74) Fluoranthene	12.72	202	105579	10.436	ng	95
77) Pyrene	12.95	202	117449	12.118	ng	97
80) Benzo(a)anthracene	14.15	228	40429	4.513	ng	94
82) Chrysene	14.18	228	40254	4.884	ng	97
83) Bis(2-ethylhexyl)phthalate	14.10	149	36891	7.241	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.31	276	17361	2.482	ng	# 88
87) Benzo(b)fluoranthene	15.25	252	46725	7.133	ng	# 88
88) Benzo(k)fluoranthene	15.25	252	46725	7.491	ng	# 91
89) Benzo(a)pyrene	15.64	252	28657	4.921	ng	# 91
91) Benzo(g,h,i)perylene	17.80	276	21817	4.523	ng	# 82

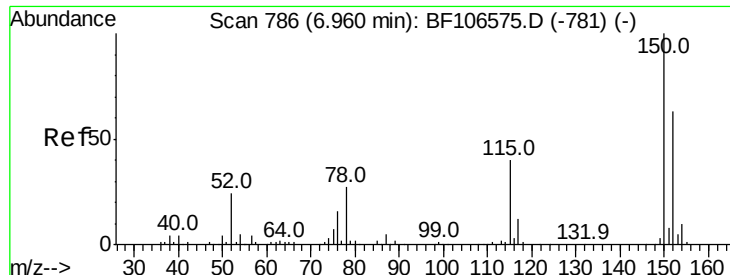
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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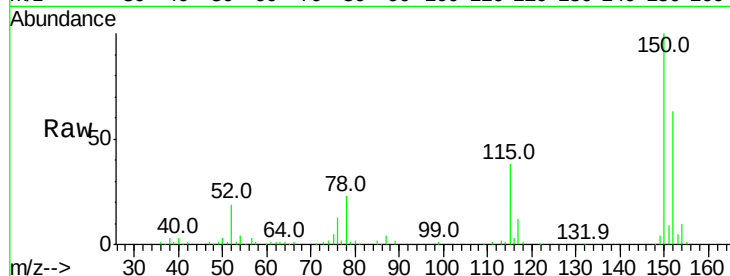


#1

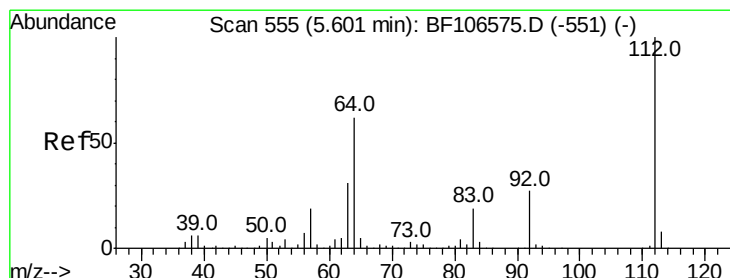
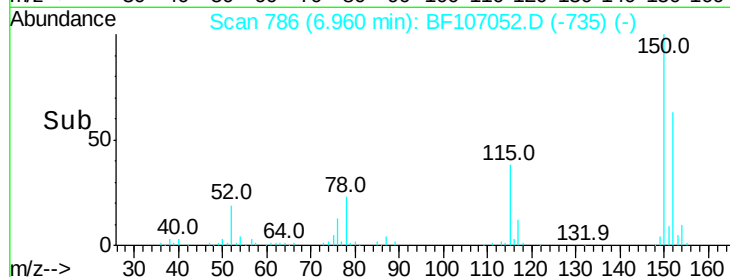
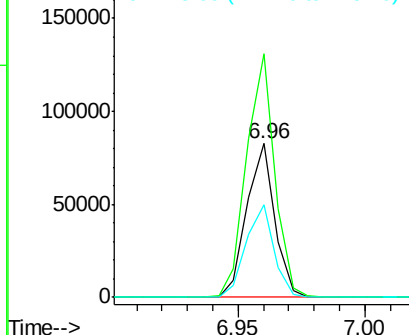
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 63533
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 60.6 50.1 75.1



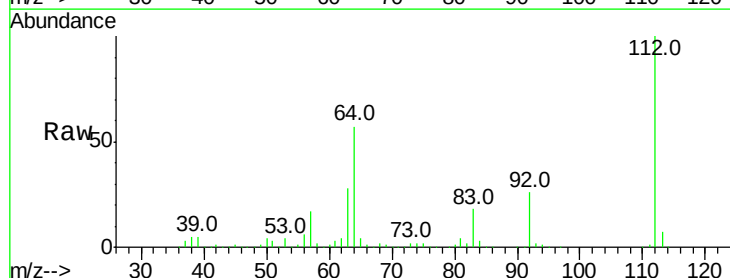
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



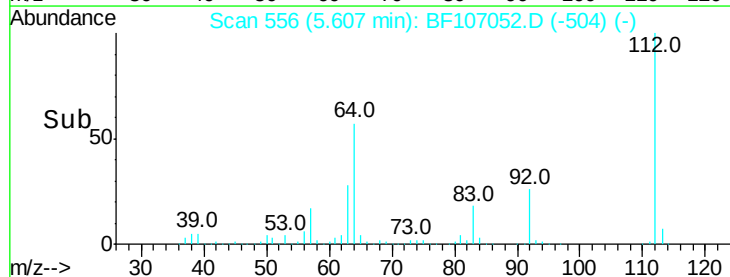
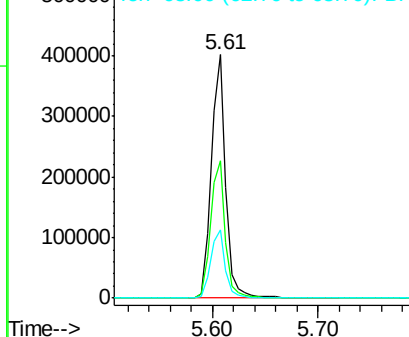
#5

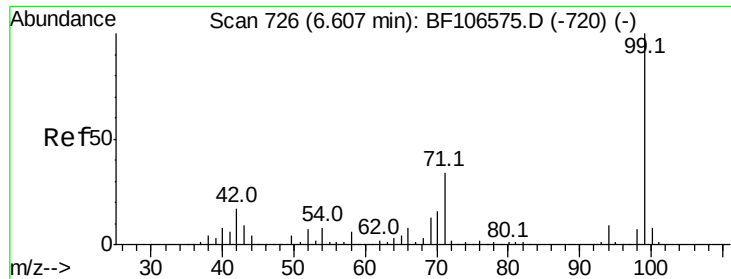
2-Fluorophenol
Concen: 102.846 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Tgt Ion:112 Resp: 385878
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 28.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.626 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

ClientSampled :

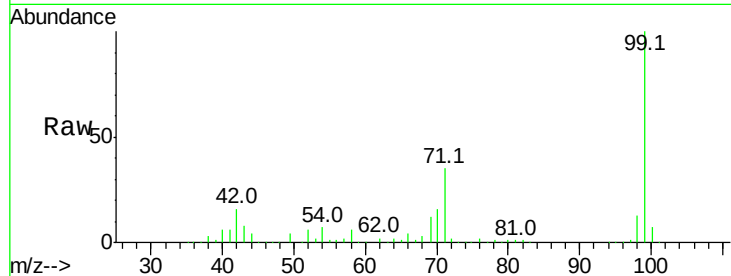
Tot Ion: 99 Resp: 462113

Ion Ratio Lower Upper

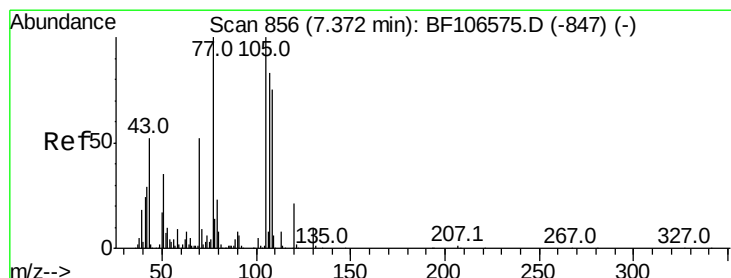
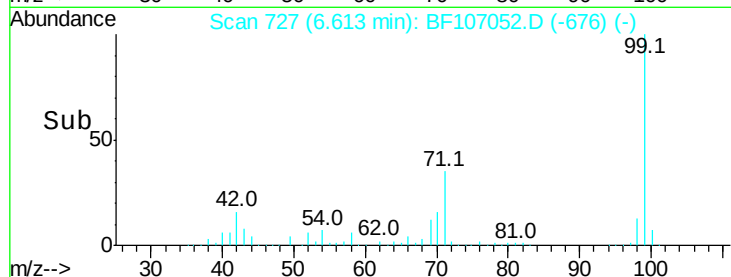
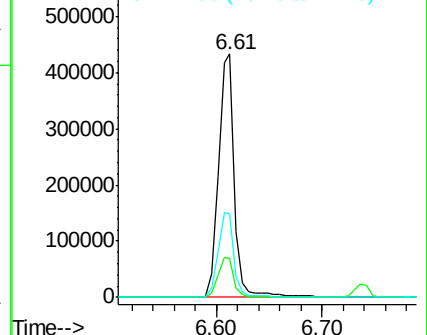
99 100

42 16.0 14.5 21.7

71 34.5 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: 10.786 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Tgt Ion: 70 Resp: 33312

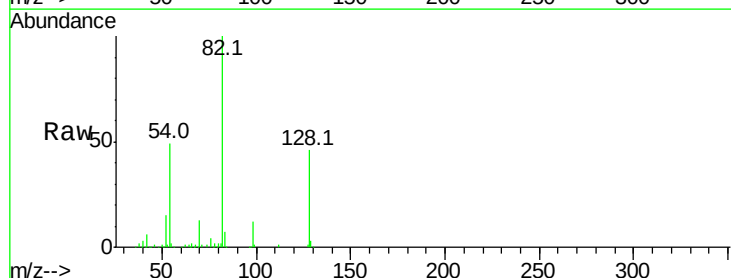
Ion Ratio Lower Upper

70 100

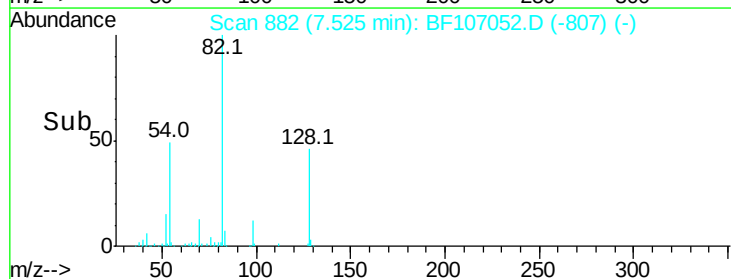
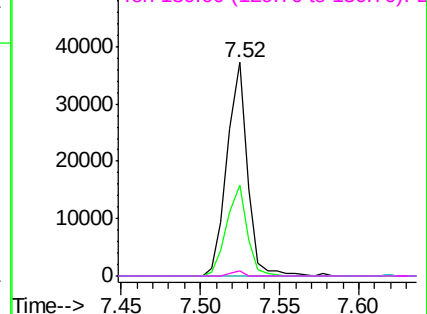
42 42.4 47.5 71.3#

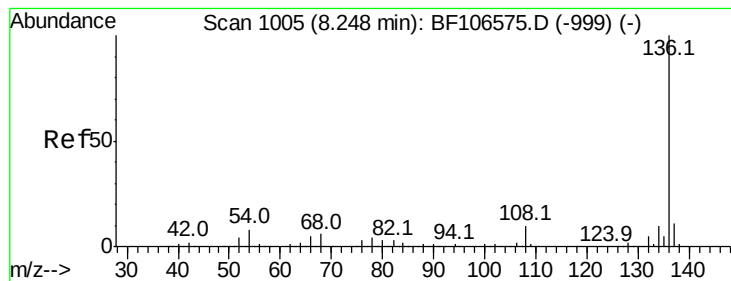
101 0.0 7.4 11.2#

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: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 225295

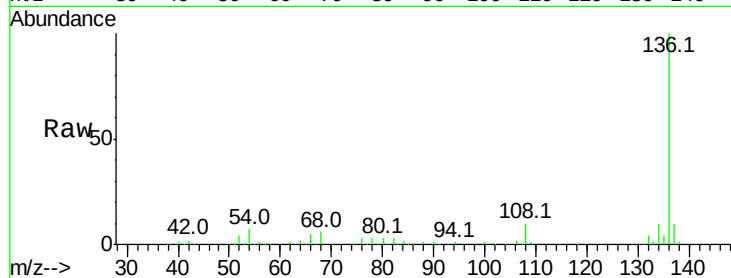
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.3 6.6 9.8

68 6.2 5.0 7.4

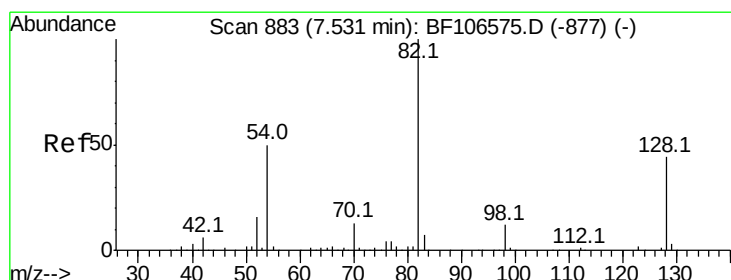
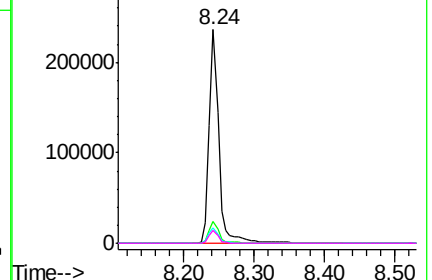
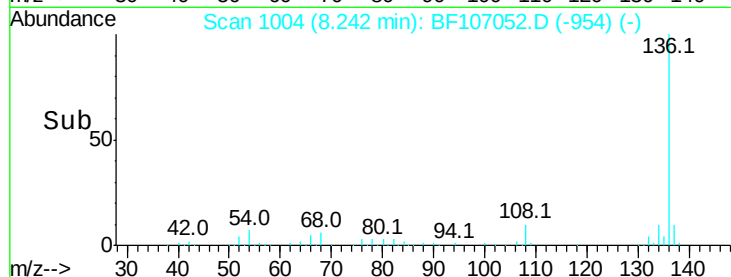


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.114 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

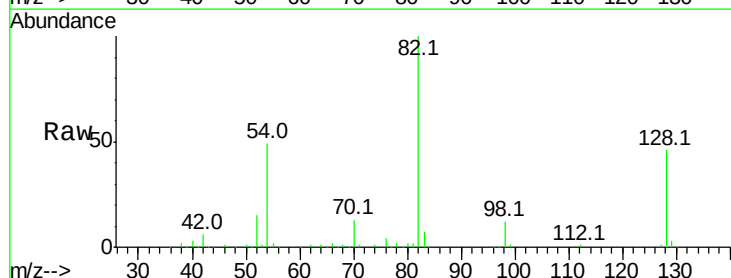
Tgt Ion: 82 Resp: 255863

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

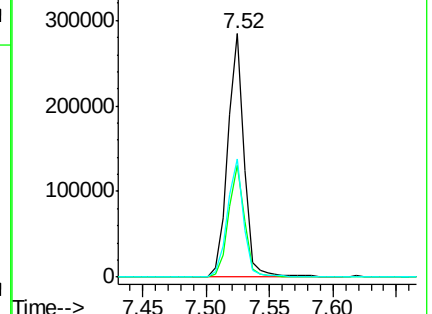
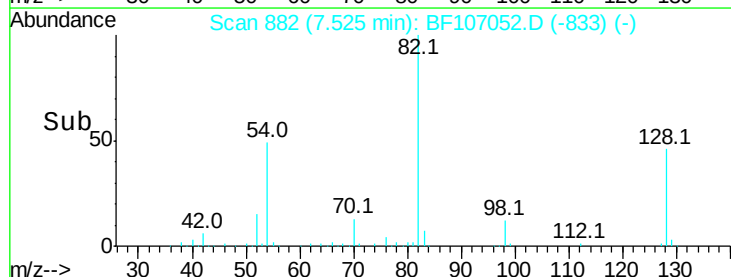
54 48.5 41.4 62.2

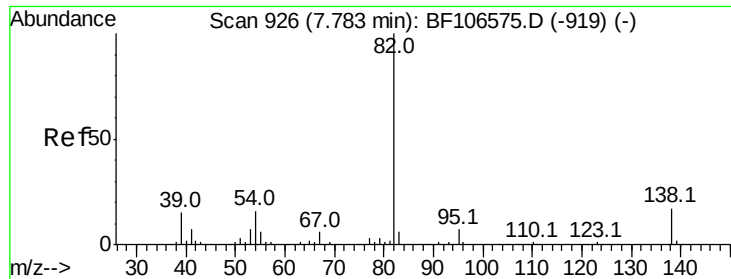


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.816 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

ClientSampleId :

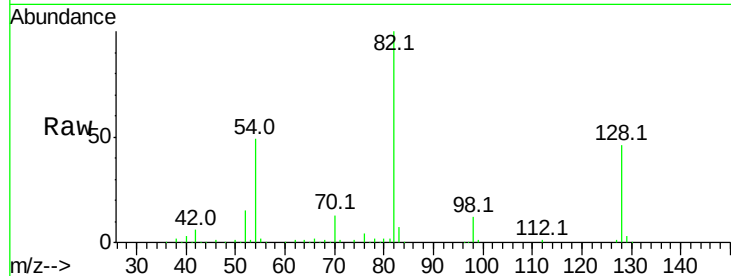
Tot Ion: 82 Resp: 255861

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

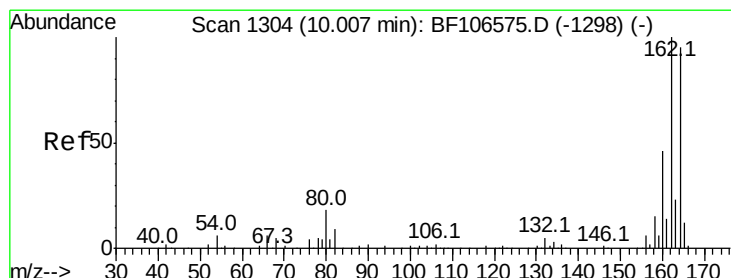
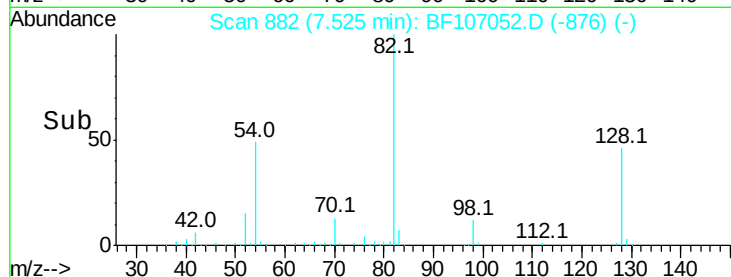
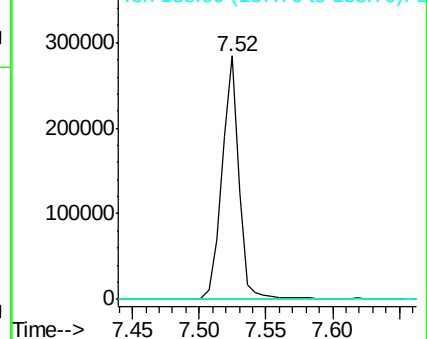
138 0.0 14.9 22.3#



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: BF107052.D

Acq: 2 Jul 2018 18:50

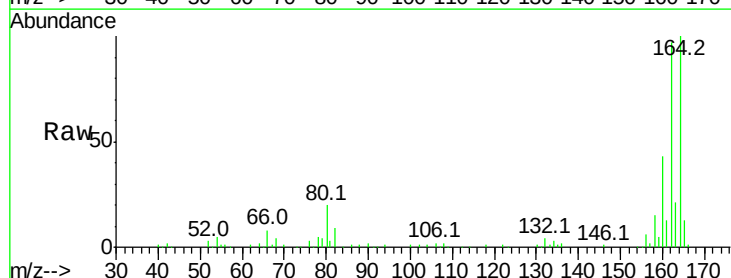
Tgt Ion: 164 Resp: 97121

Ion Ratio Lower Upper

164 100

162 97.4 86.1 129.1

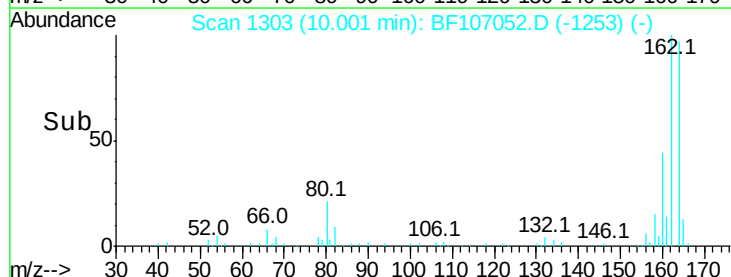
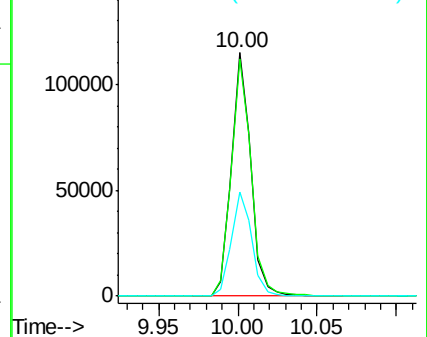
160 43.0 38.3 57.5

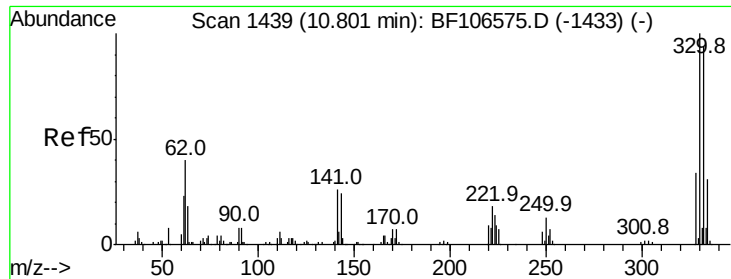


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 110.512 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF107052.D

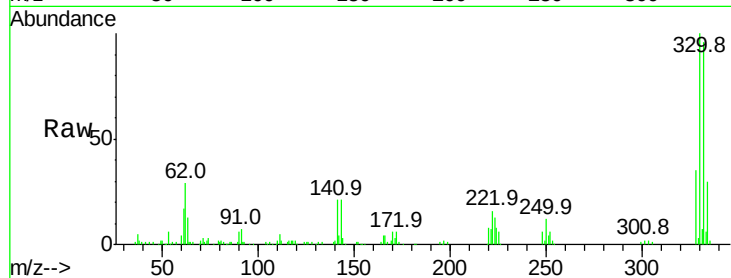
Acq: 2 Jul 2018 18:50

Instrument :

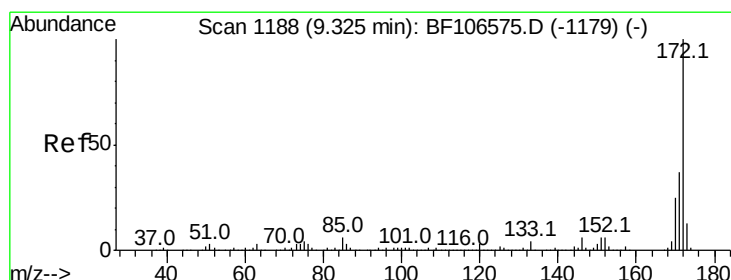
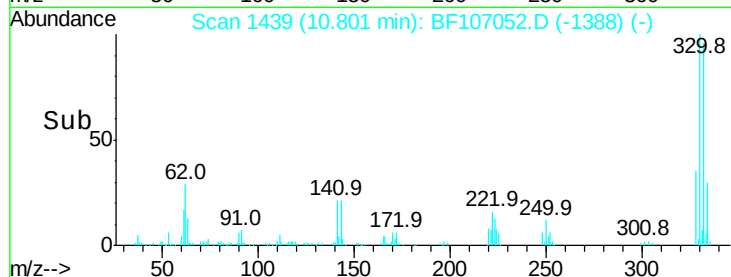
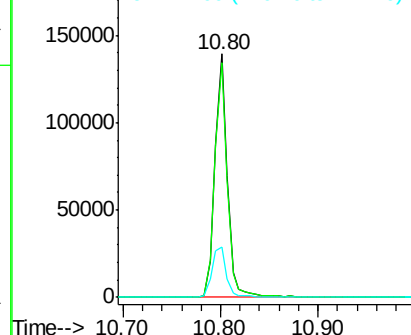
BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	124399
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	23.5	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: 70.585 ng

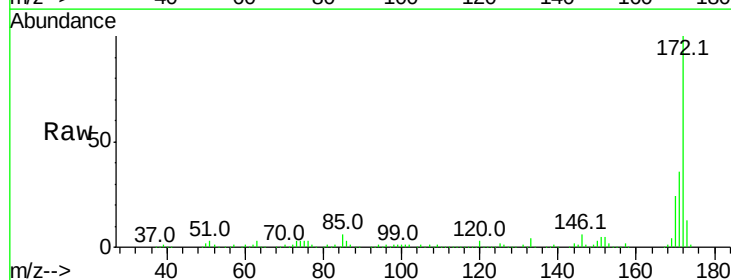
RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

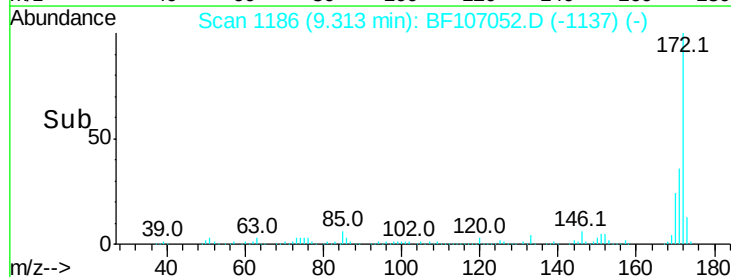
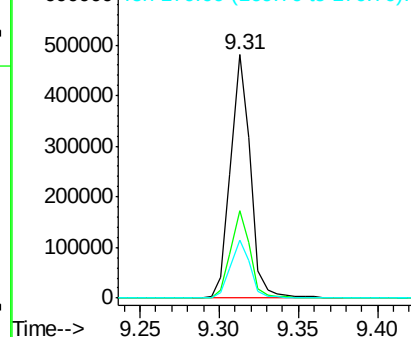
Lab File: BF107052.D

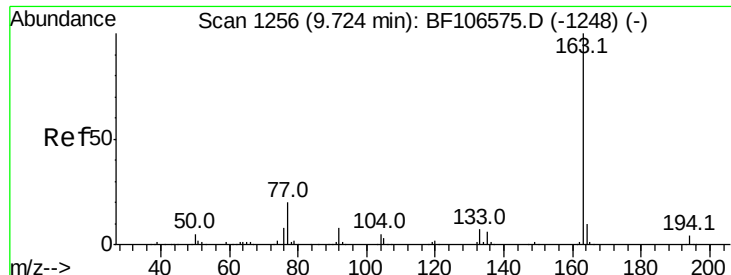
Acq: 2 Jul 2018 18:50

Tgt Ion:	172	Resp:	419361
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.0	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

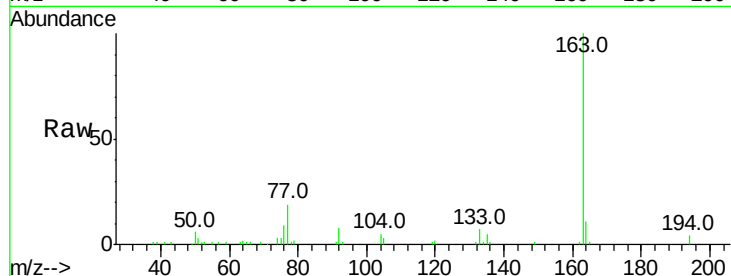




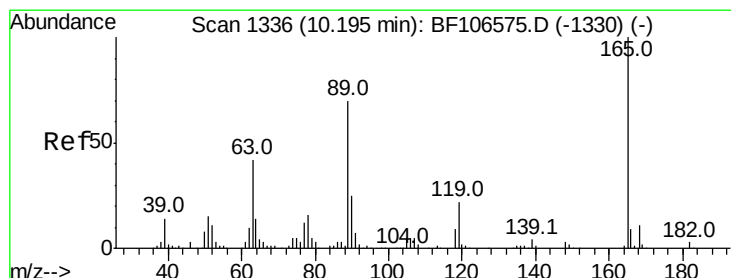
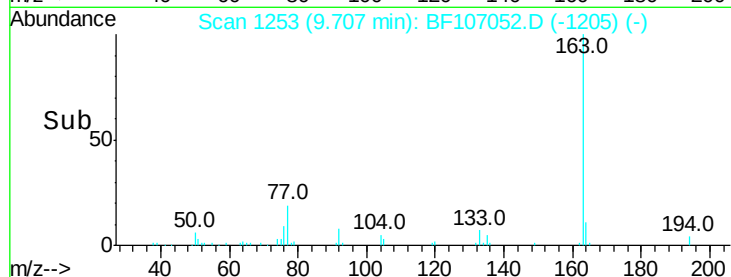
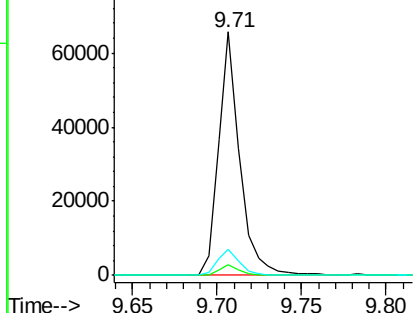
#49
 Dimethylphthalate
 Concen: 7.921 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF107052.D
 Acq: 2 Jul 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	10.8	8.2	12.2

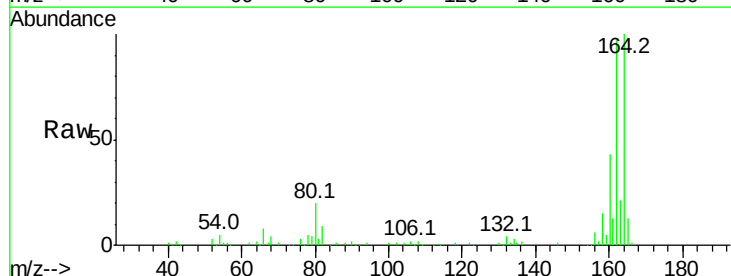


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

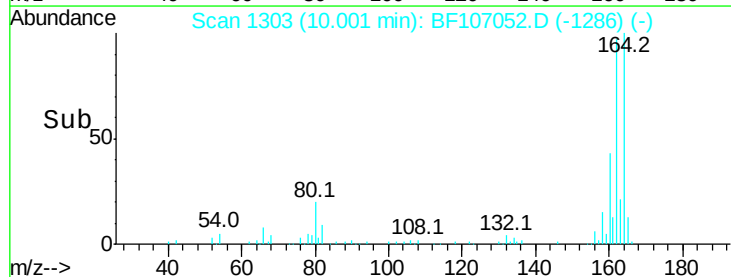
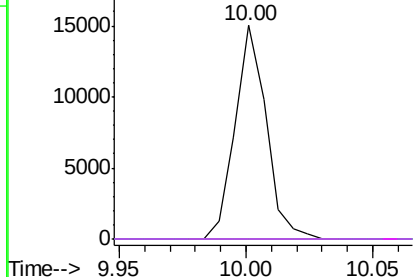


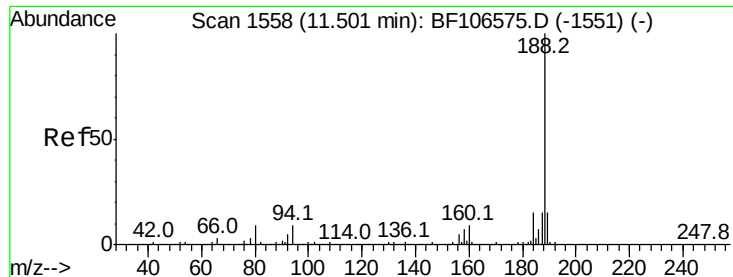
#56
 2,4-Dinitrotoluene
 Concen: 6.350 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107052.D
 Acq: 2 Jul 2018 18:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



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

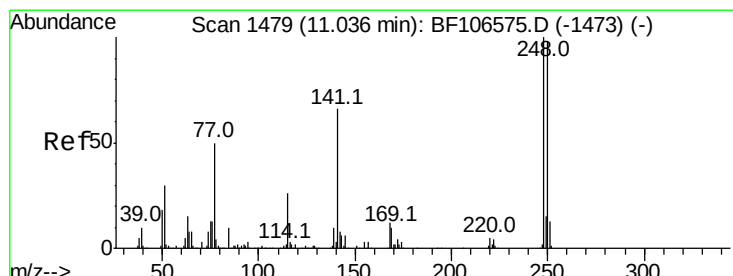
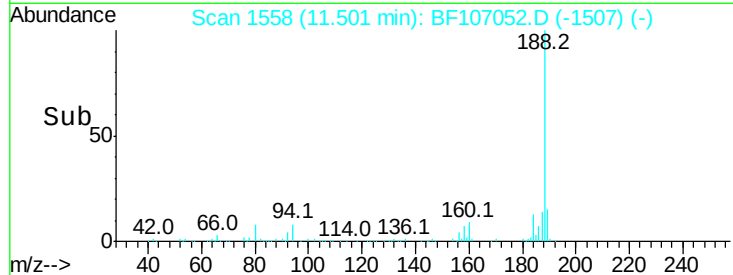
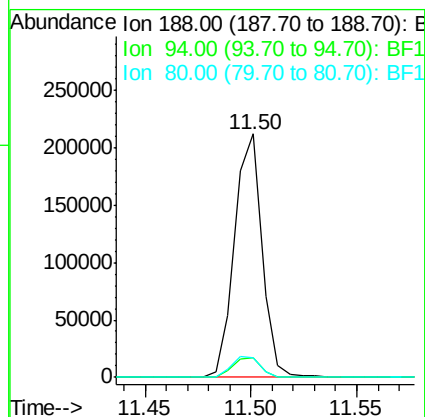
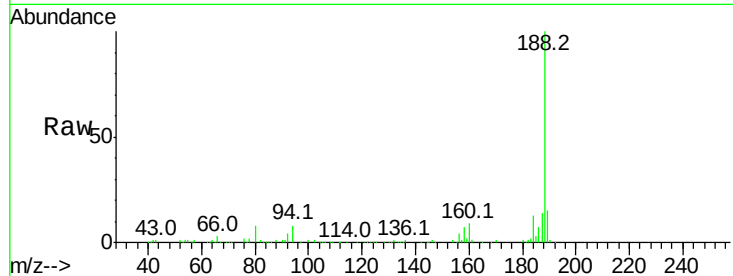




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF107052.D
 Acq: 2 Jul 2018 18:50

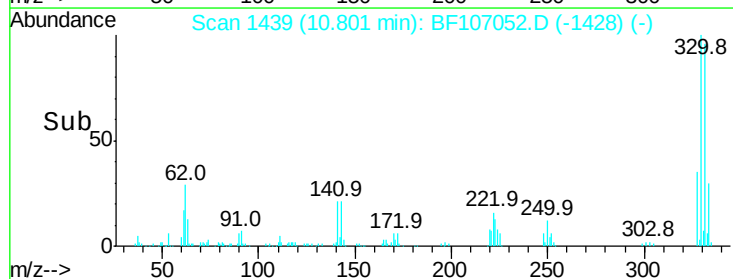
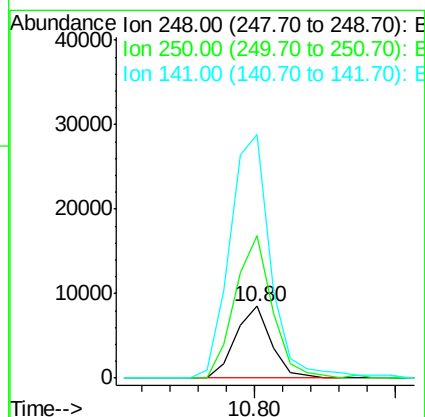
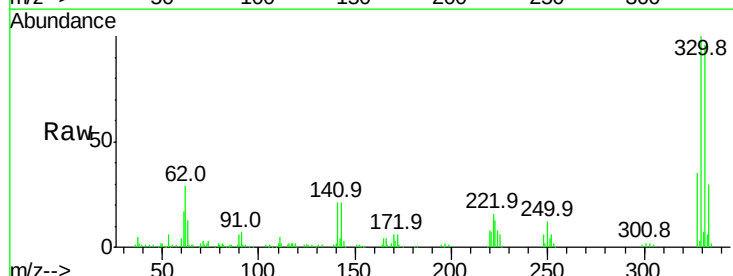
Instrument :
 BNA_F
 ClientSampleId :

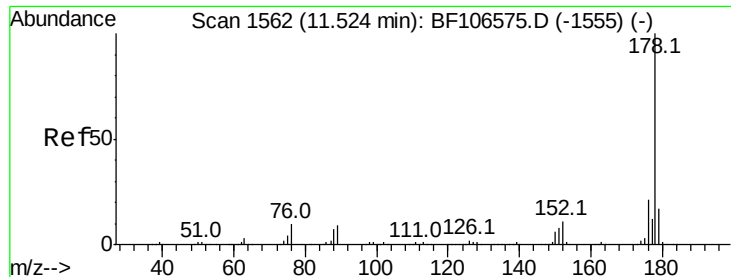
Tot Ion:188 Resp: 190307
 Ion Ratio Lower Upper
 188 100
 94 7.8 8.5 12.7#
 80 8.3 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.256 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF107052.D
 Acq: 2 Jul 2018 18:50

Tgt Ion:248 Resp: 7396
 Ion Ratio Lower Upper
 248 100
 250 198.3 76.9 115.3#
 141 340.2 74.4 111.6#

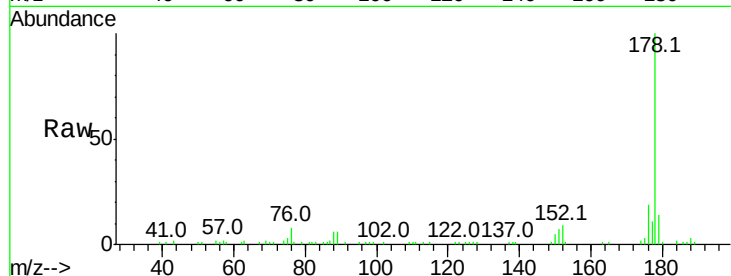




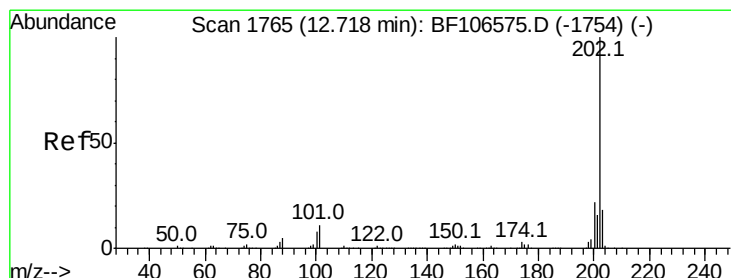
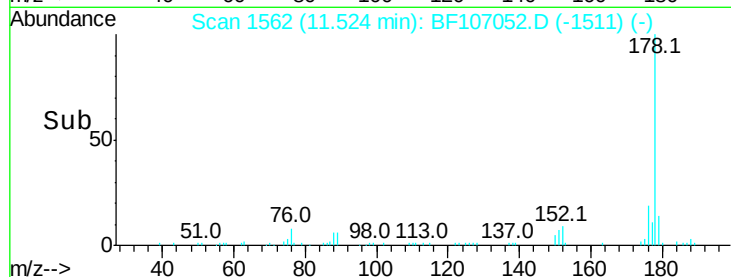
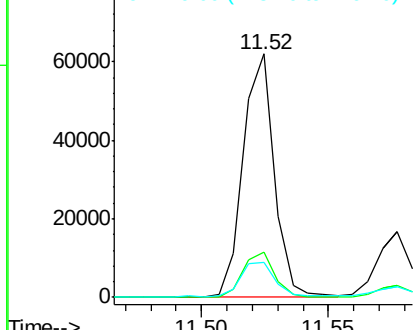
#70
Phenanthrene
Concen: 5.784 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 53088
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 14.4 13.0 19.6

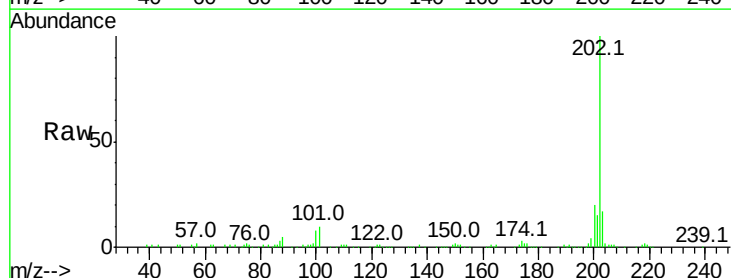


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

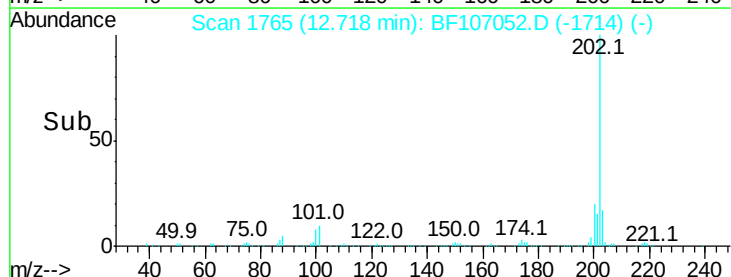
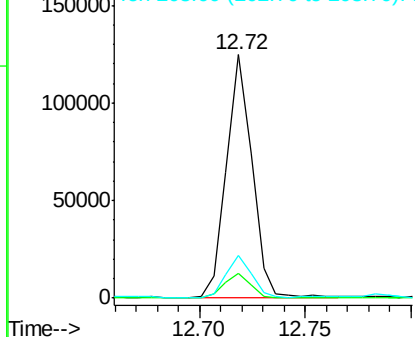


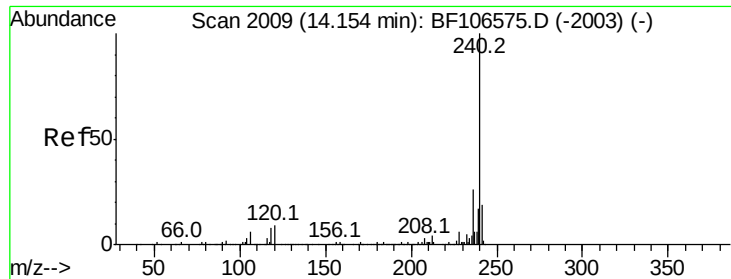
#74
Fluoranthene
Concen: 10.436 ng
RT: 12.72 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Tgt Ion:202 Resp: 105579
Ion Ratio Lower Upper
202 100
101 10.0 0.0 34.1
203 17.4 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: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

ClientSampleId :

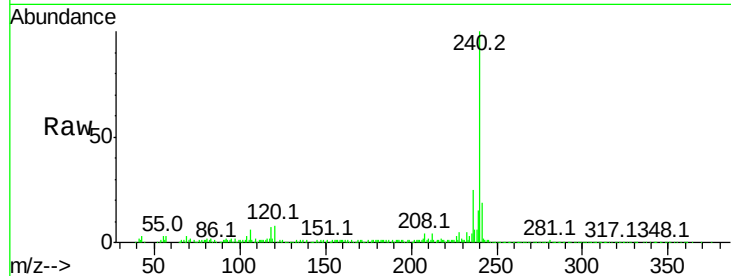
Tot Ion:240 Resp: 146978

Ion Ratio Lower Upper

240 100

120 8.3 9.5 14.3#

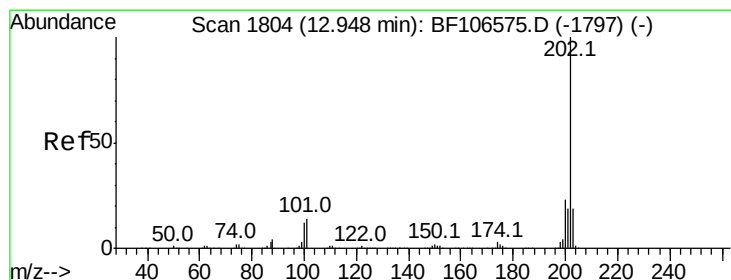
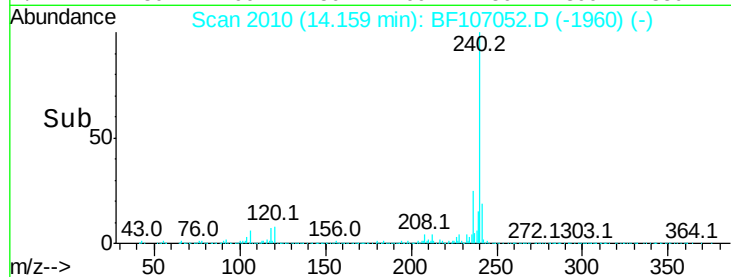
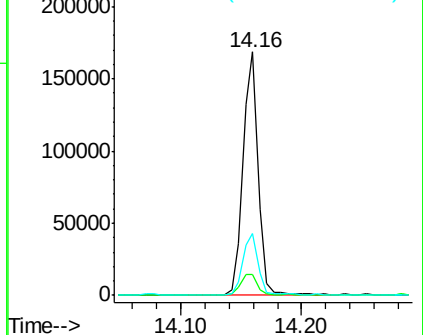
236 25.4 20.7 31.1



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: 12.118 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

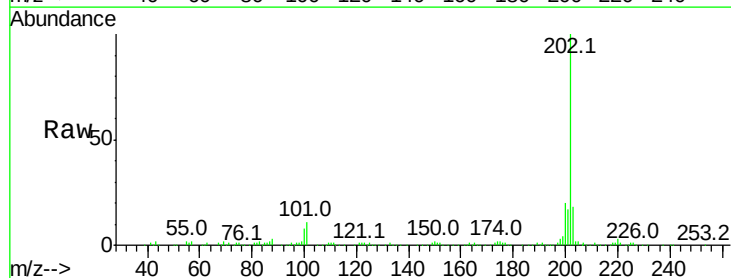
Tgt Ion:202 Resp: 117449

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

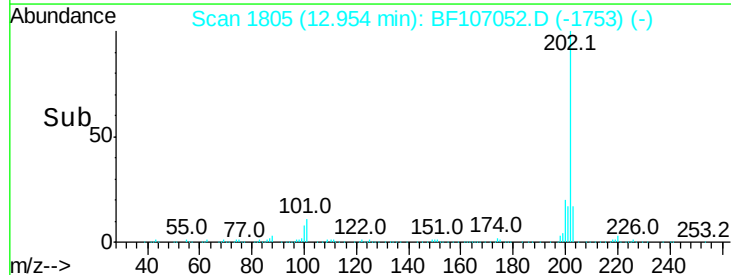
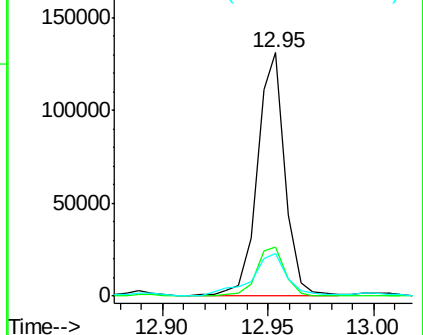
203 17.5 14.3 21.5

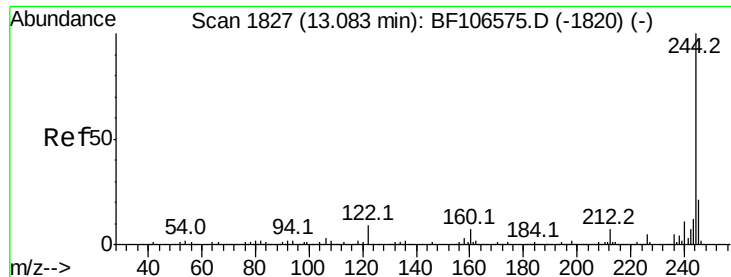


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

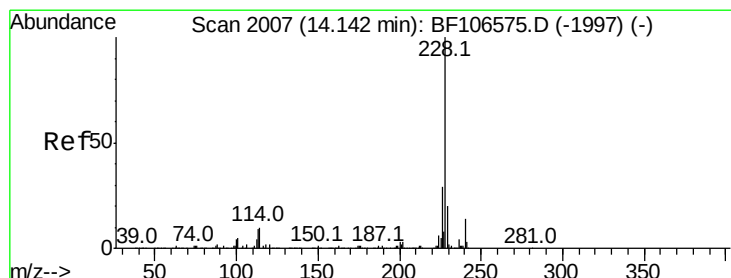
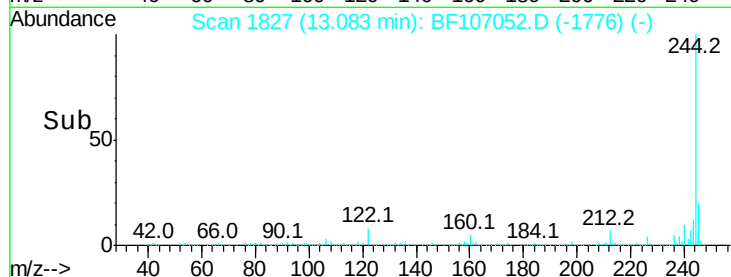
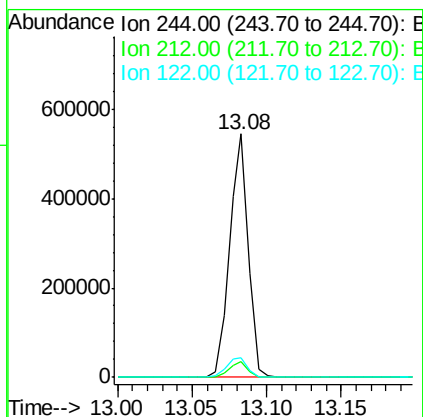
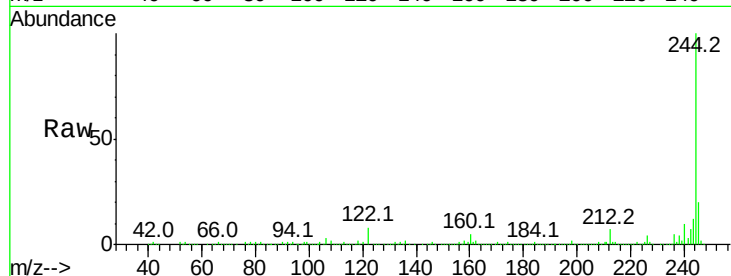




#78
 Terphenyl-d14
 Concen: 79.346 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF107052.D
 Acq: 2 Jul 2018 18:50

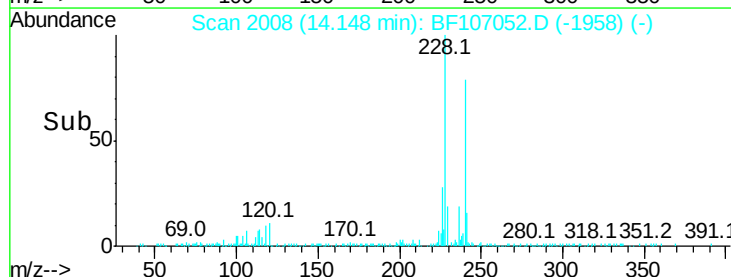
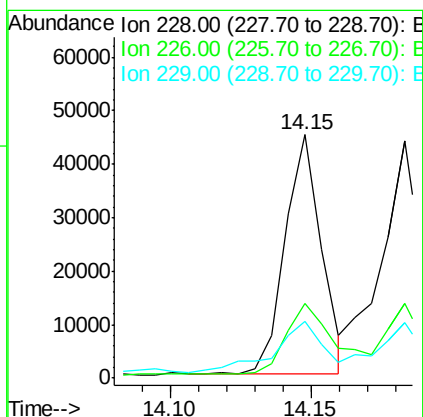
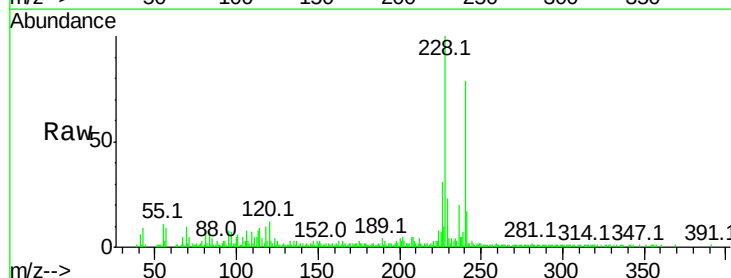
Instrument :
 BNA_F
 ClientSampleId :

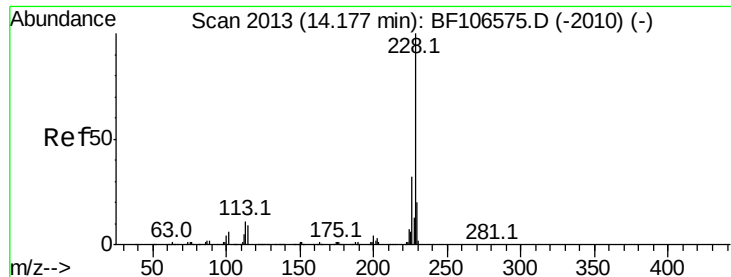
Tot Ion:244 Resp: 481451
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 8.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 4.513 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF107052.D
 Acq: 2 Jul 2018 18:50

Tgt Ion:228 Resp: 40429
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.6 33.8
 229 23.4 15.8 23.6

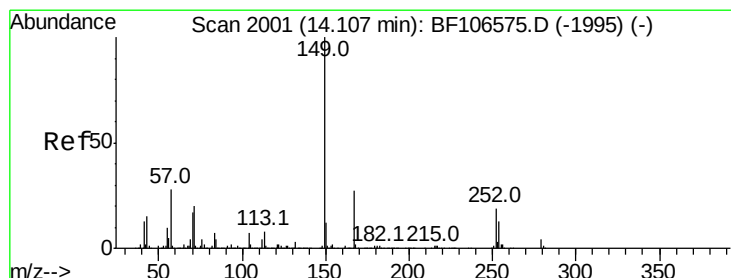
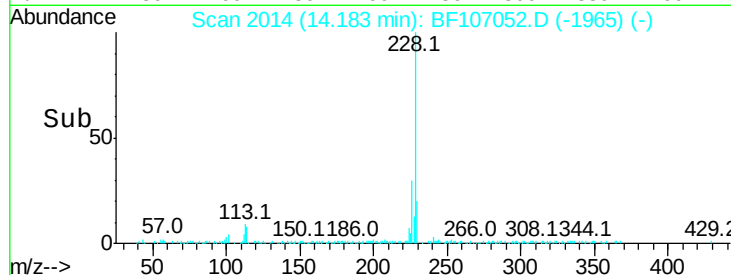
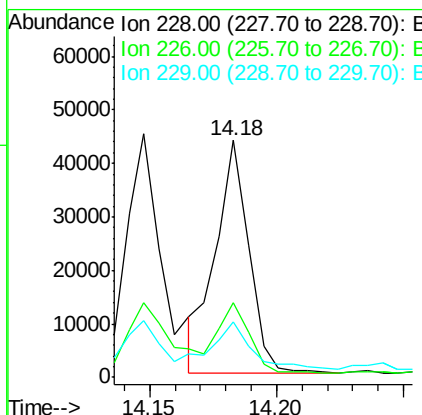
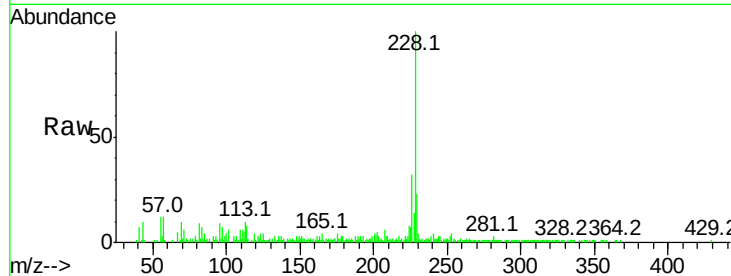




#82
Chrysene
Concen: 4.884 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

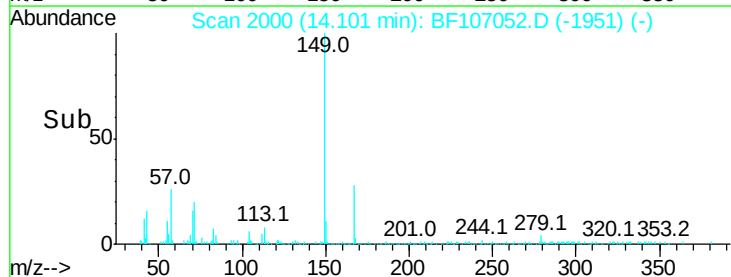
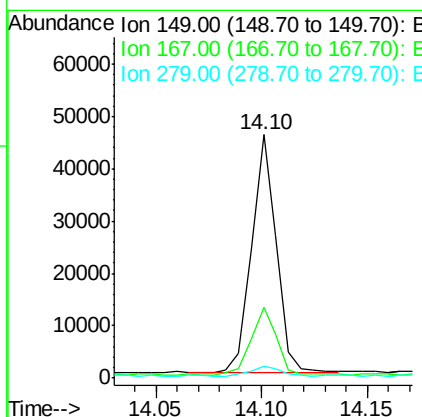
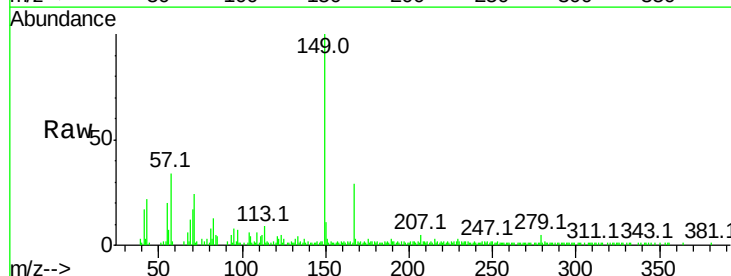
Instrument :
BNA_F
ClientSampleId :

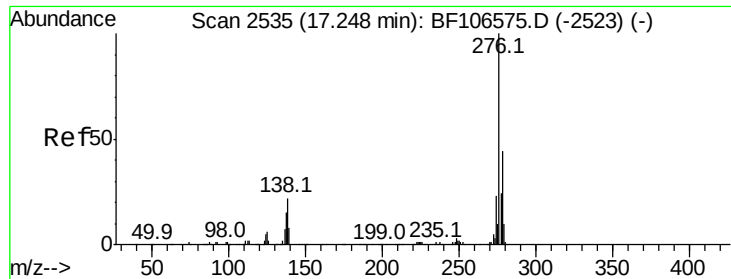
Tot Ion:228 Resp: 40254
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 23.5 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 7.241 ng
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Tgt Ion:149 Resp: 36891
Ion Ratio Lower Upper
149 100
167 29.3 21.3 31.9
279 4.7 3.0 4.4#

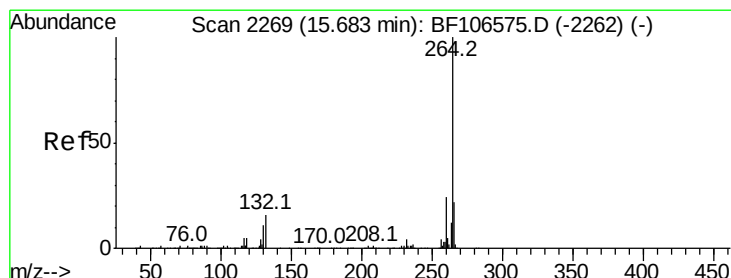
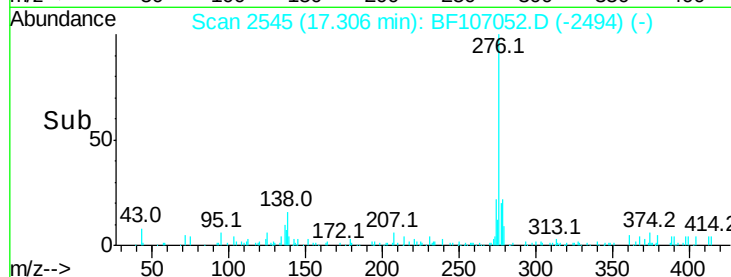
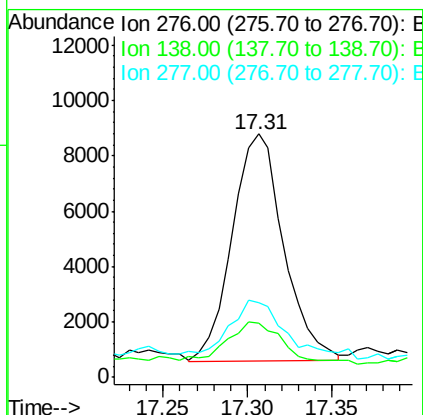
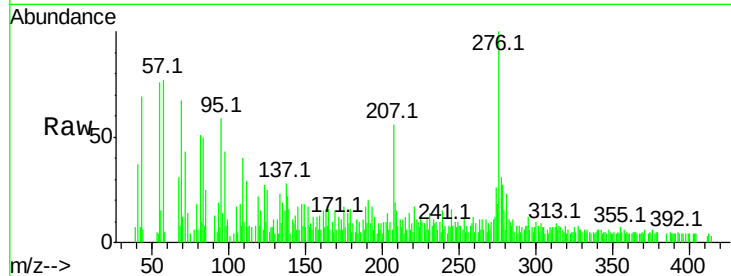




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.482 ng
 RT: 17.31 min Scan# 2545
 Delta R.T. -0.00 min
 Lab File: BF107052.D
 Acq: 2 Jul 2018 18:50

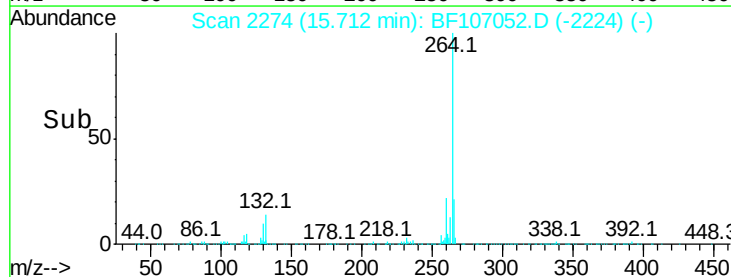
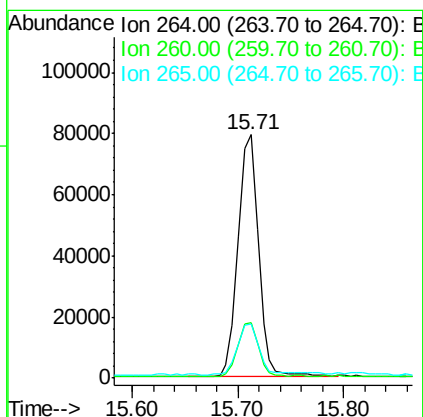
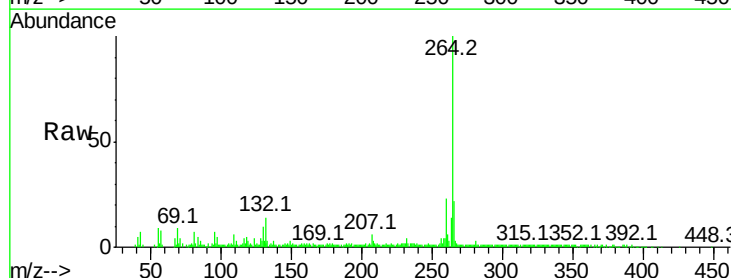
Instrument :
 BNA_F
 ClientSampleId :

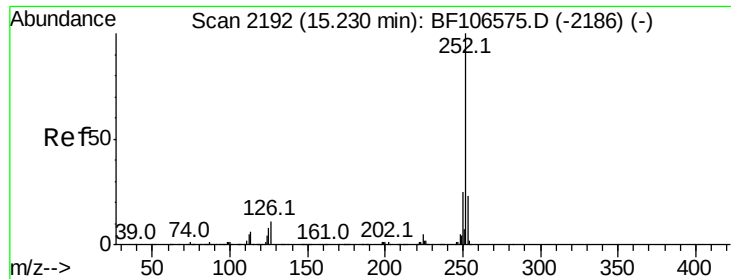
Tot Ion:276 Resp: 17361
 Ion Ratio Lower Upper
 276 100
 138 20.9 25.0 37.6#
 277 26.8 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.71 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF107052.D
 Acq: 2 Jul 2018 18:50

Tgt Ion:264 Resp: 105447
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.2 28.8
 265 22.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 7.133 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

ClientSampleId :

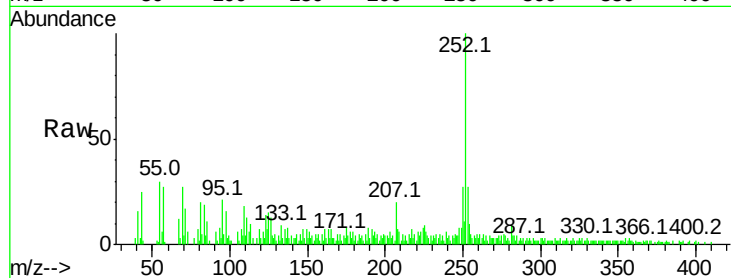
Tot Ion:252 Resp: 46725

Ion Ratio Lower Upper

252 100

253 27.1 17.0 25.6#

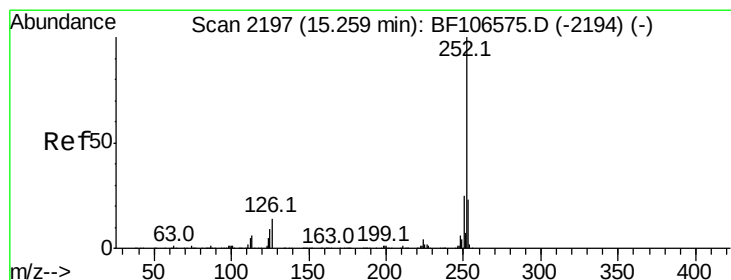
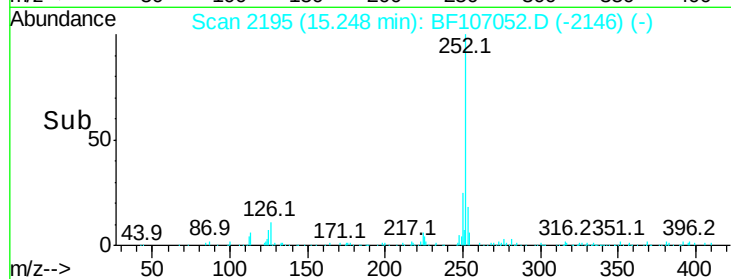
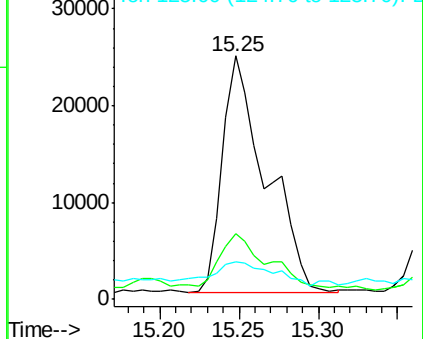
125 15.3 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.491 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.05 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

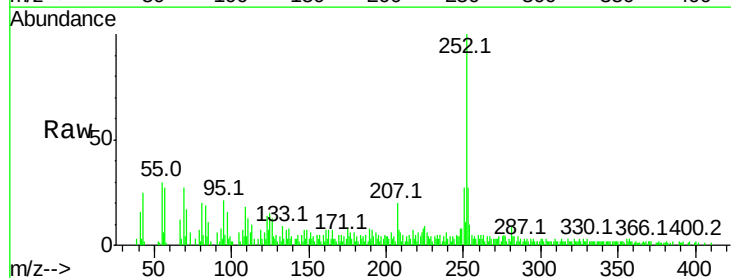
Tgt Ion:252 Resp: 46725

Ion Ratio Lower Upper

252 100

253 27.1 17.9 26.9#

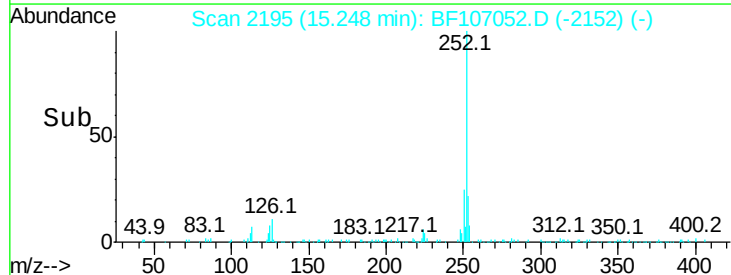
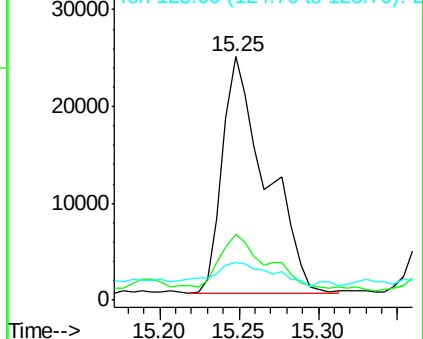
125 15.3 10.2 15.2#

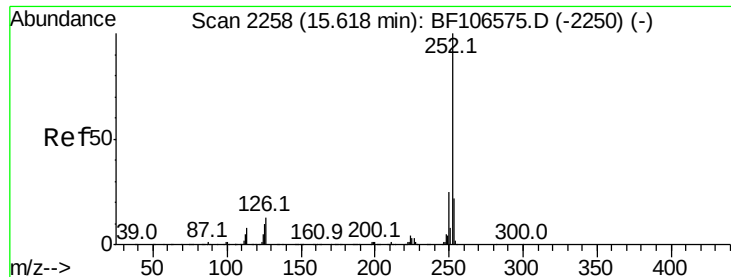


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.921 ng

RT: 15.64 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF107052.D

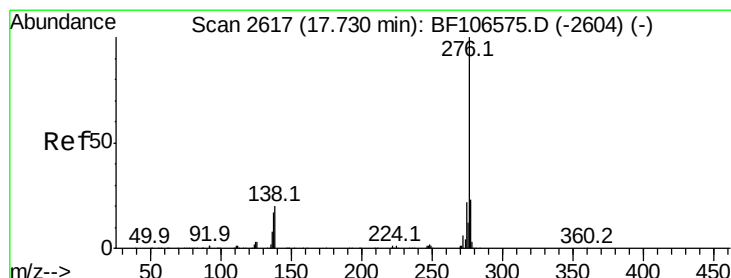
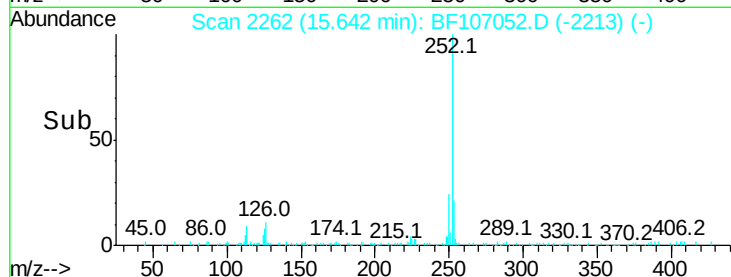
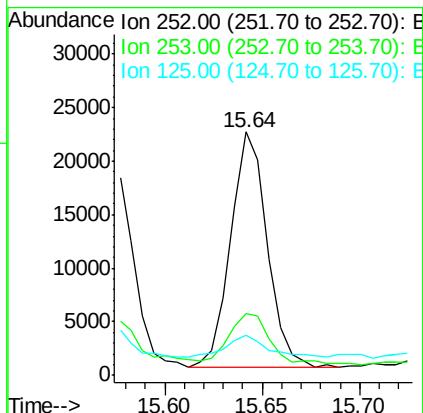
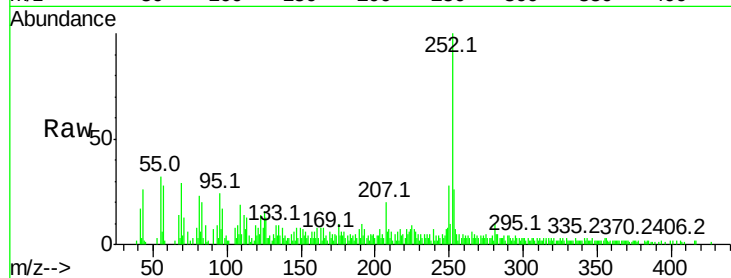
Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	28657
Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.1	25.7
125	16.4	9.8	14.6



#91

Benzo(g,h,i)perylene

Concen: 4.523 ng

RT: 17.80 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Tgt Ion:	276	Resp:	21817
Ion	Ratio	Lower	Upper
276	100		
277	32.3	17.9	26.9
138	18.9	21.8	32.8

