

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070918\
 Data File : BF107235.D
 Acq On : 9 Jul 2018 18:08
 Operator : JU/SJ
 Sample : J3880-11RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 10 01:08:01 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

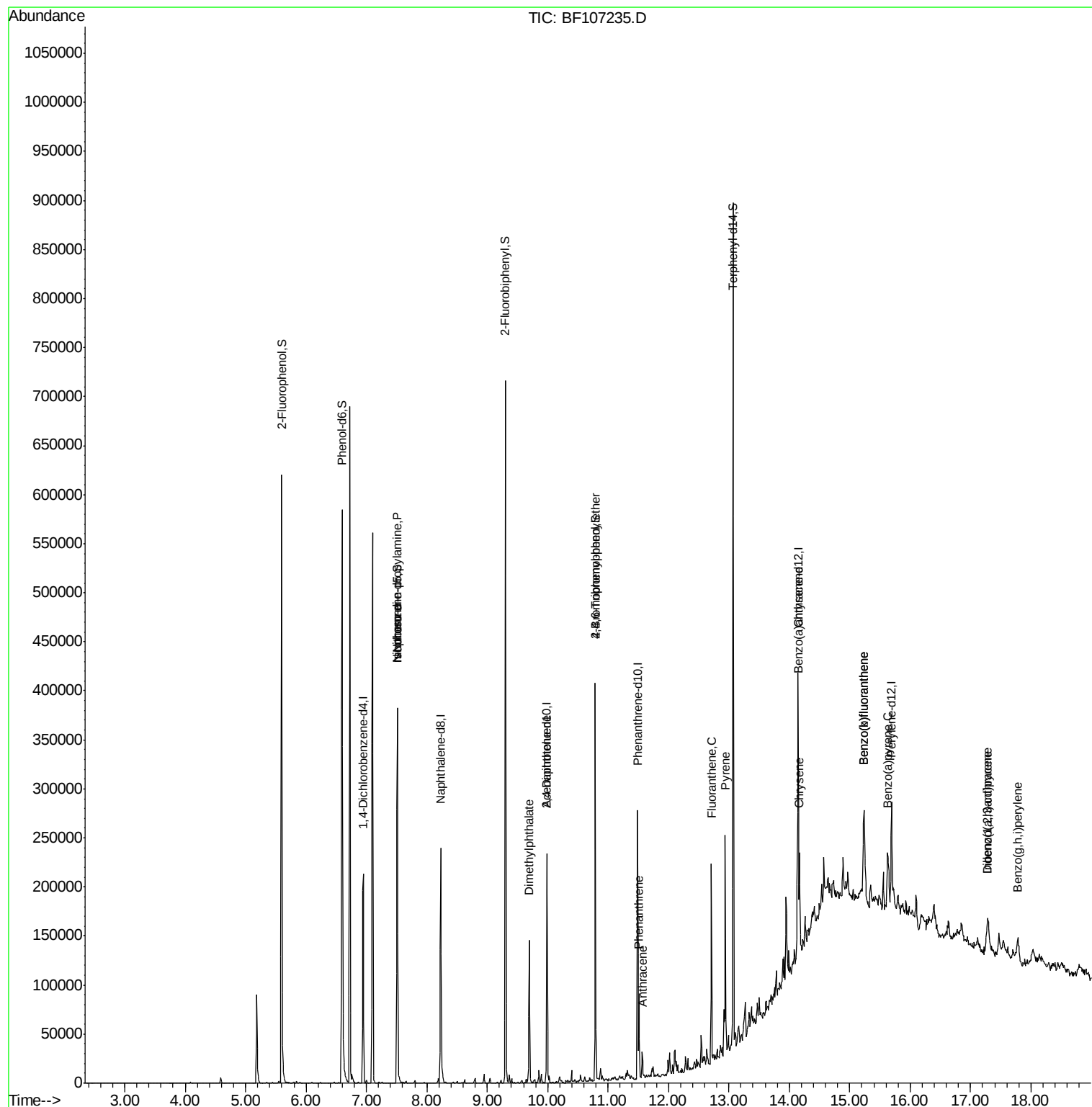
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	32850	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	113440	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	48908	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	99491	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	90519	20.00	ng	-0.02
86) Perylene-d12	15.69	264	57358	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	188826	97.33	ng	0.00
7) Phenol-d6	6.60	99	228095	94.15	ng	-0.02
23) Nitrobenzene-d5	7.51	82	129748	63.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	54784	96.65	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	230102	78.51	ng	-0.02
78) Terphenyl-d14	13.07	244	303789	81.29	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	16533	10.353	ng	Qvalue # 72
25) Isophorone	7.51	82	129746	36.071	ng	# 64
49) Dimethylphthalate	9.70	163	56721	15.463	ng	98
56) 2,4-Dinitrotoluene	9.99	165	6392	6.305	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	3315	2.792	ng	# 1
70) Phenanthrene	11.51	178	31234	6.509	ng	99
71) Anthracene	11.57	178	13035	2.661	ng	99
74) Fluoranthene	12.71	202	87335	16.512	ng	93
77) Pyrene	12.94	202	87153	14.601	ng	98
80) Benzo(a)anthracene	14.14	228	46807	8.484	ng	99
82) Chrysene	14.17	228	40446	7.969	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	18959	4.402	ng	98
87) Benzo(b)fluoranthene	15.23	252	56523	15.864	ng	# 91
88) Benzo(k)fluoranthene	15.23	252	56523	16.658	ng	94
89) Benzo(a)pyrene	15.62	252	28050	8.856	ng	# 91
90) Dibenzo(a,h)anthracene	17.28	278	5614	2.091	ng	# 68
91) Benzo(g,h,i)perylene	17.78	276	22403	8.538	ng	# 87

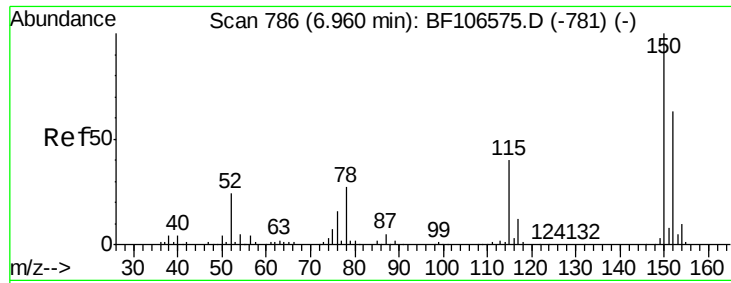
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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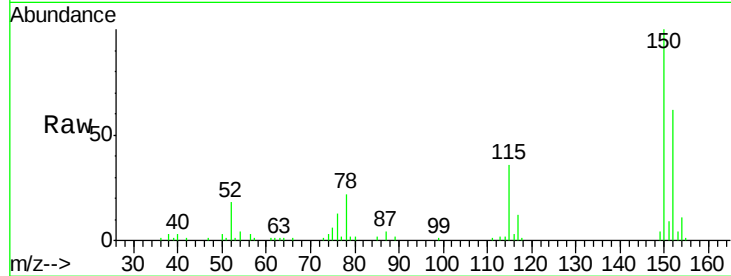


#1

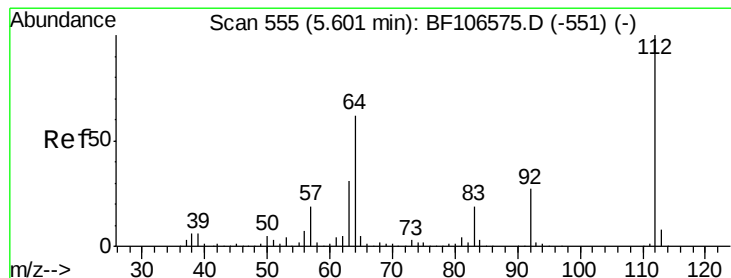
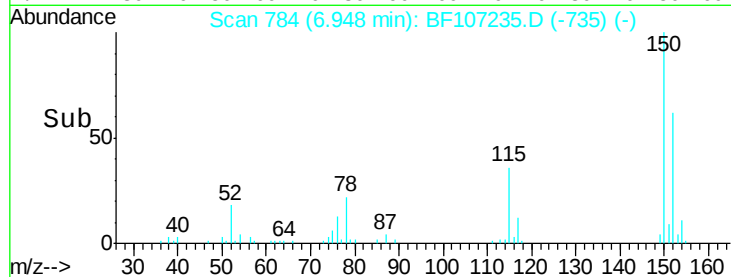
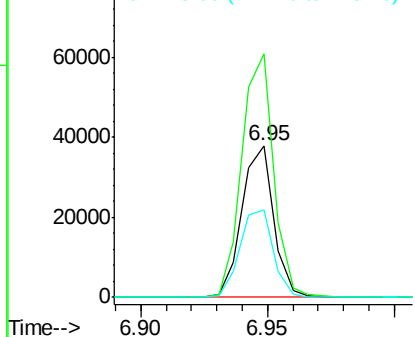
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 32850
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 58.0 50.1 75.1



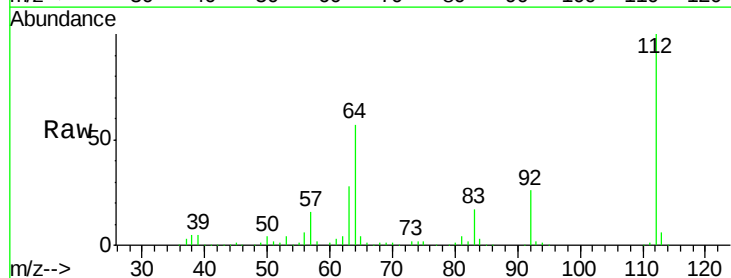
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



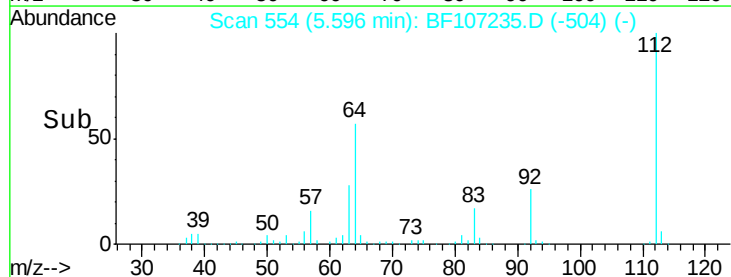
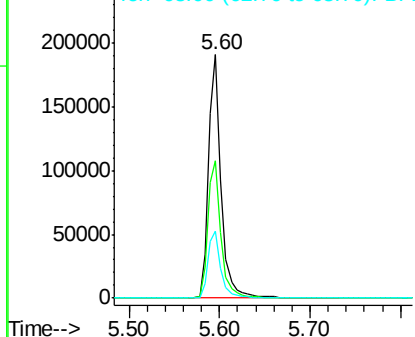
#5

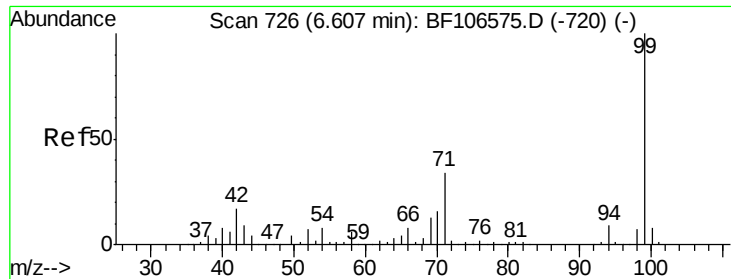
2-Fluorophenol
Concen: 97.334 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion:112 Resp: 188826
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 27.6 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: 94.151 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Instrument :

BNA_F

ClientSampleId :

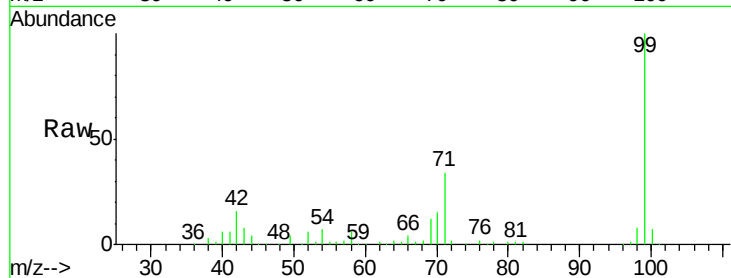
Tgt Ion: 99 Resp: 228095

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

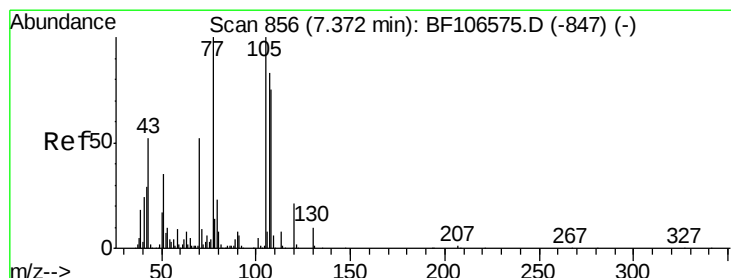
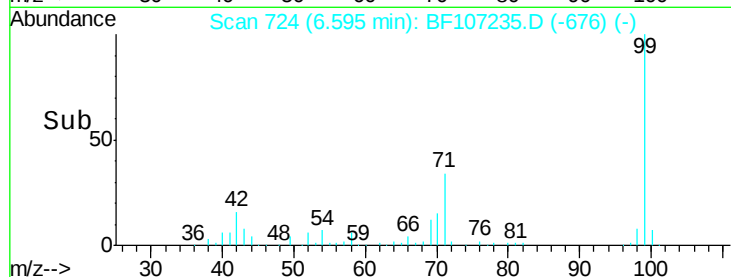
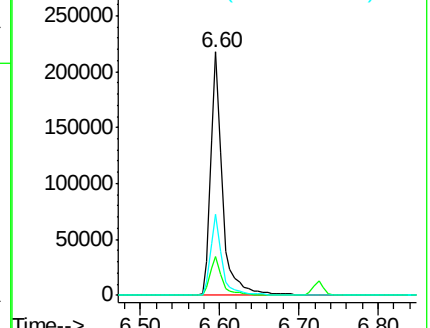
71 33.5 25.4 38.0



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: 10.353 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Tgt Ion: 70 Resp: 16533

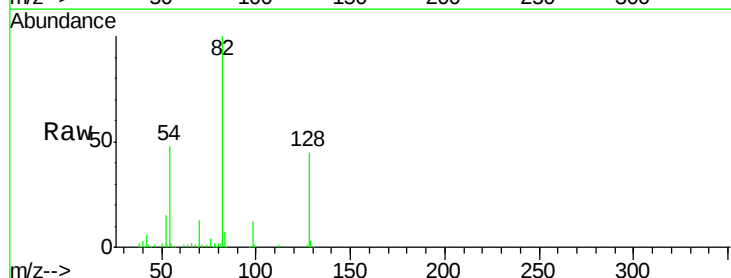
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

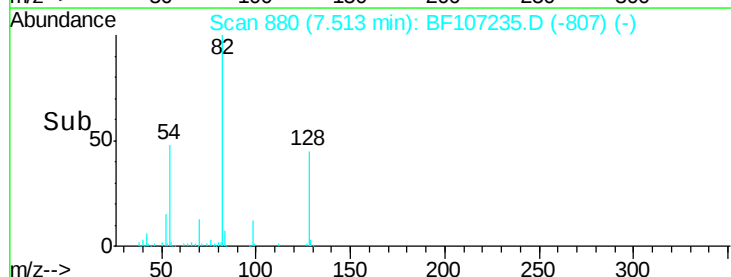
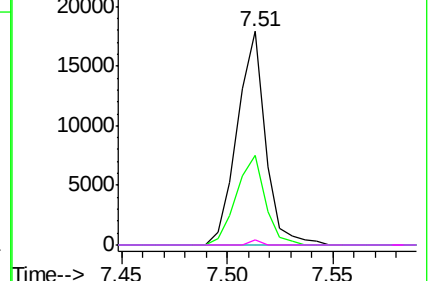


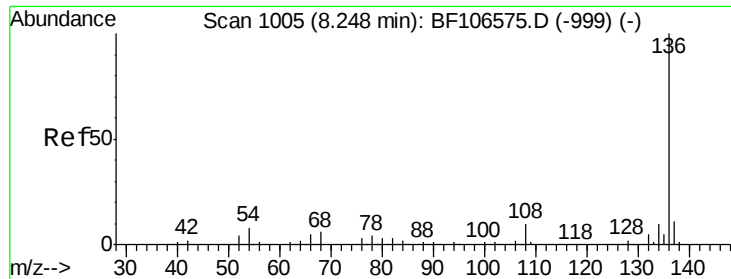
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

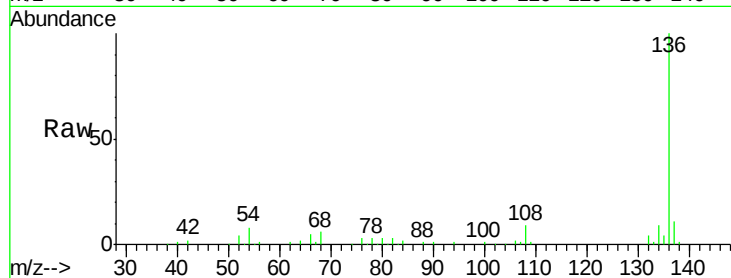




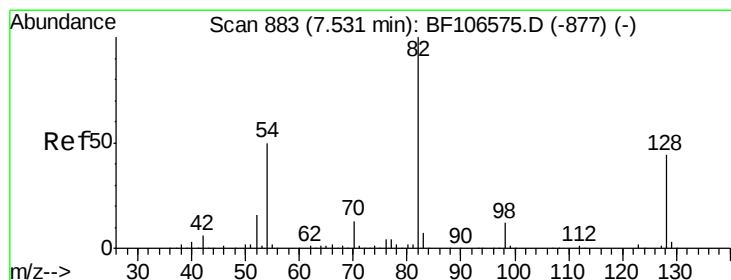
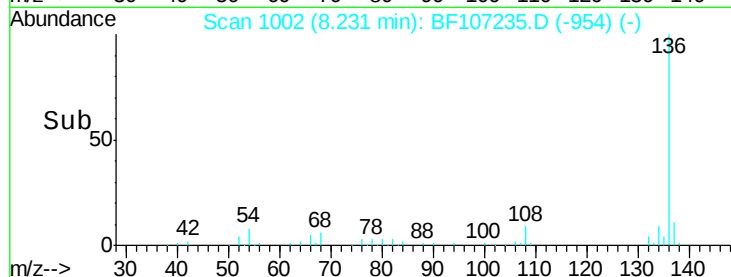
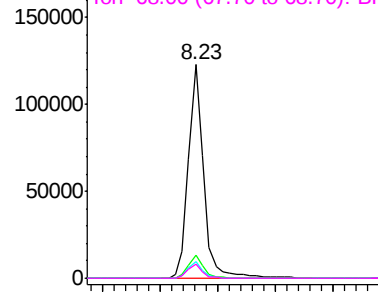
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 136 Resp: 113440
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.9 6.6 9.8
68 6.4 5.0 7.4

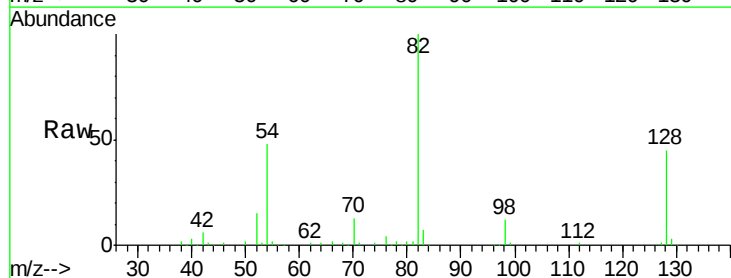


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

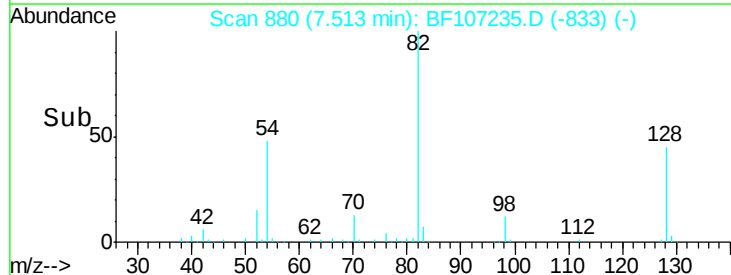
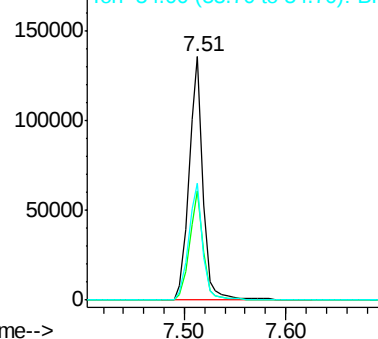


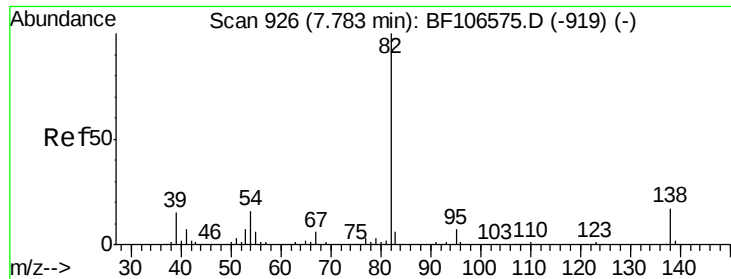
#23
Nitrobenzene-d5
Concen: 63.563 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion: 82 Resp: 129748
Ion Ratio Lower Upper
82 100
128 45.0 36.1 54.1
54 48.0 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

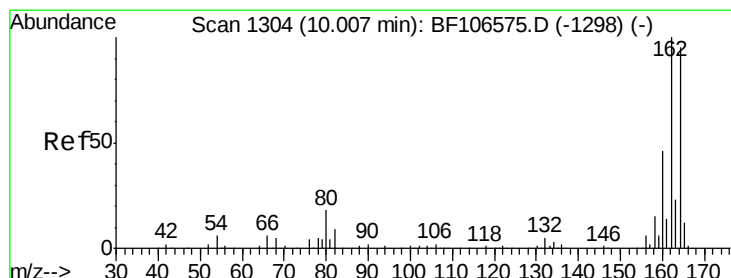
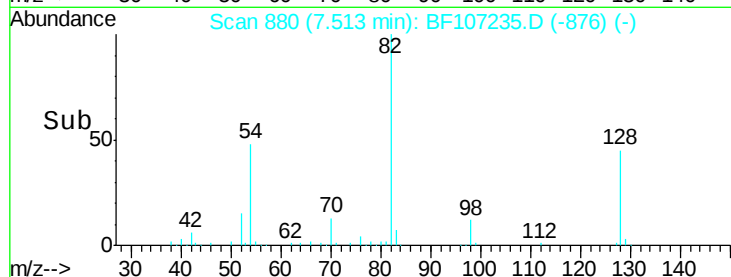
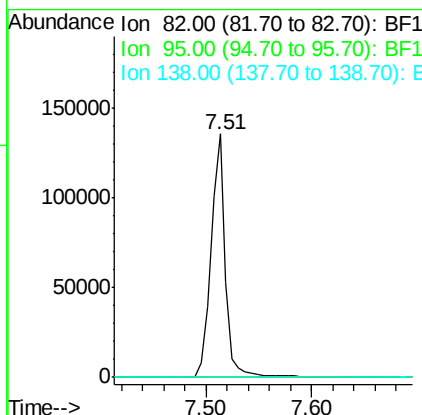
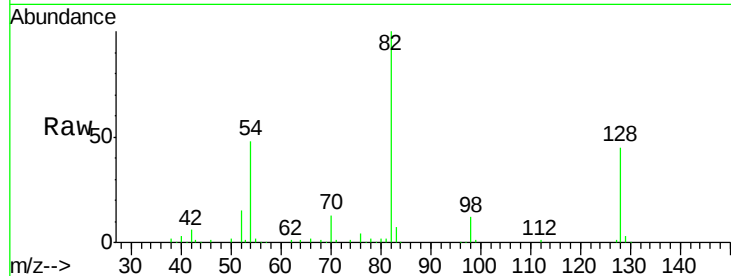




#25
Isophorone
Concen: 36.071 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

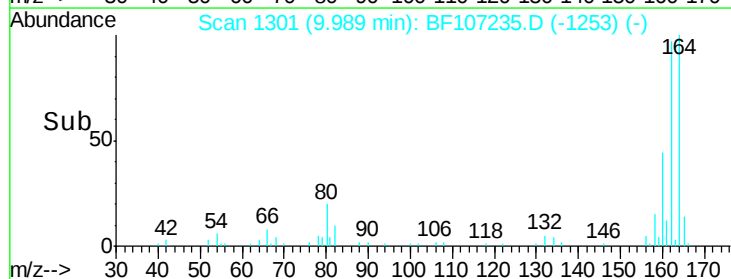
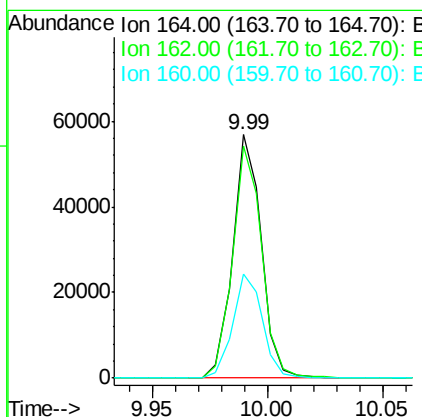
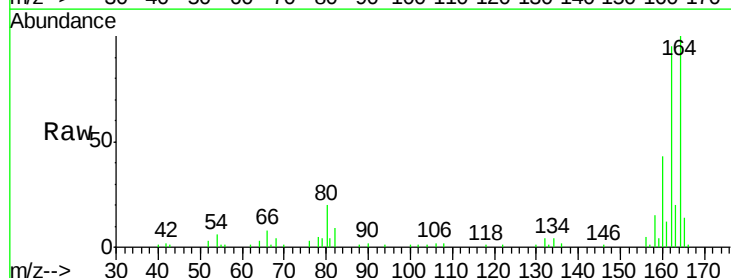
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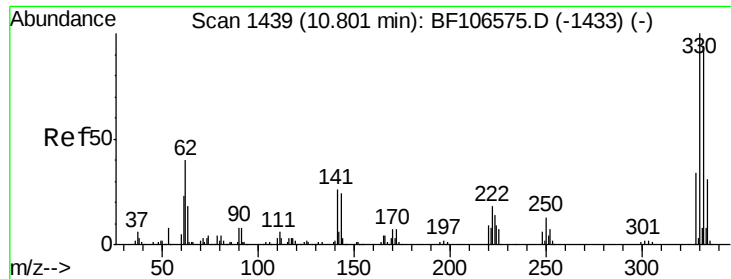
Tgt Ion: 82 Resp: 129746
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion: 164 Resp: 48908
Ion Ratio Lower Upper
164 100
162 95.2 86.1 129.1
160 43.0 38.3 57.5

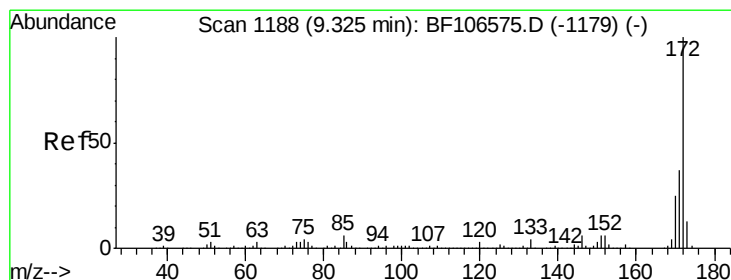
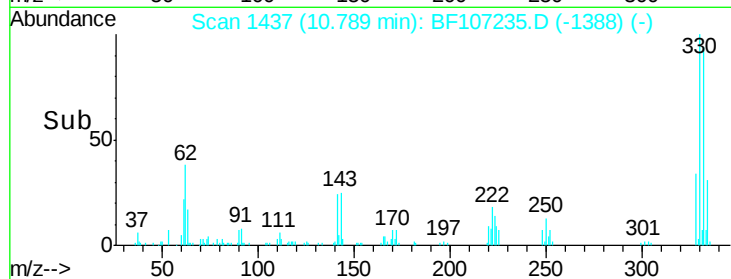
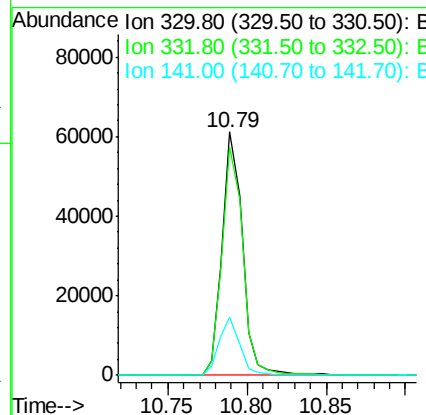
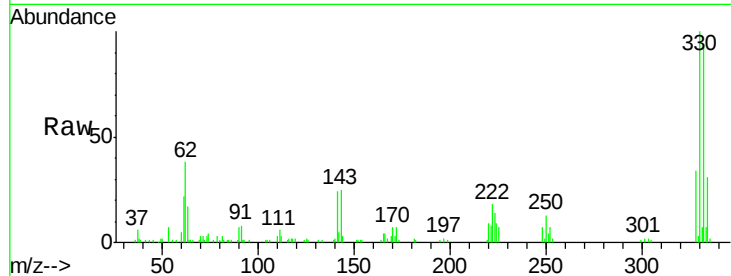




#41
 2,4,6-Tribromophenol
 Concen: 96.645 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

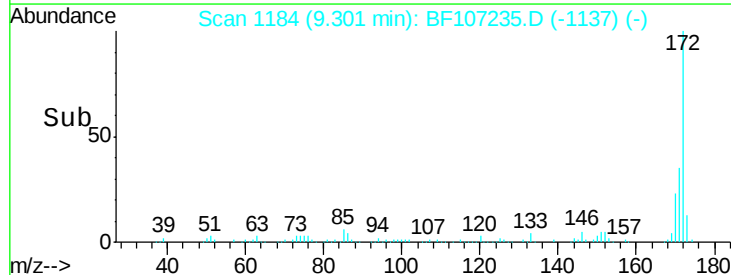
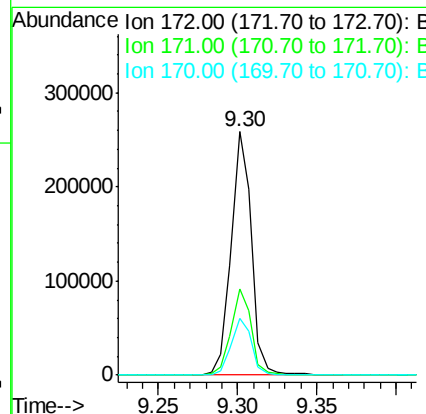
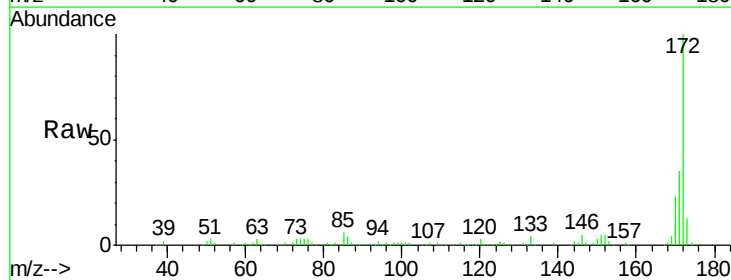
Instrument :
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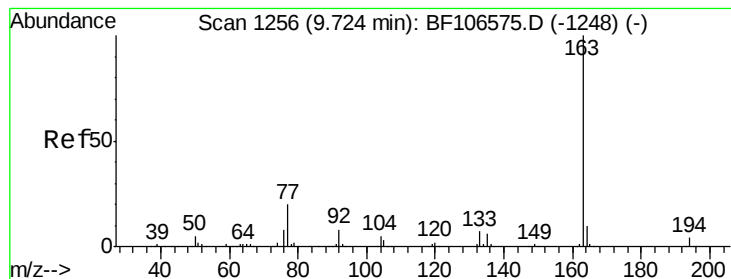
Tgt Ion:330 Resp: 54784
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 23.8 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 78.508 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

Tgt Ion:172 Resp: 230102
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.3 19.6 29.4





#49

Dimethylphthalate

Concen: 15.463 ng

RT: 9.70 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Instrument :

BNA_F

ClientSampleId :

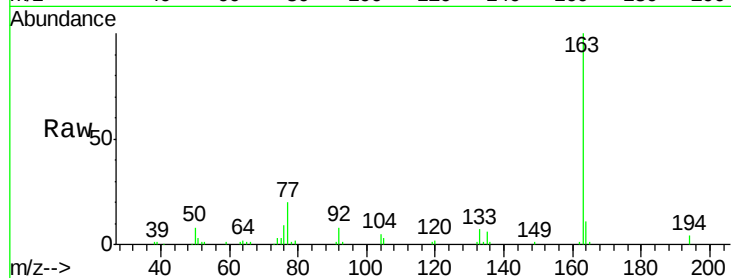
Tgt Ion:163 Resp: 56721

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

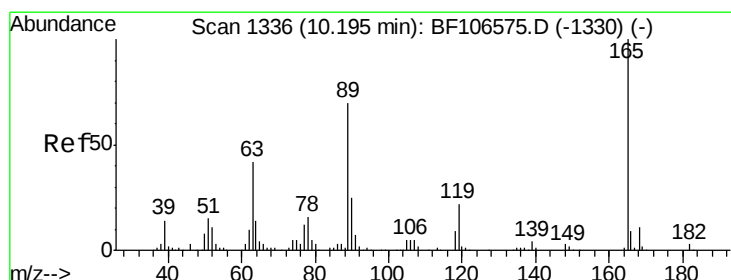
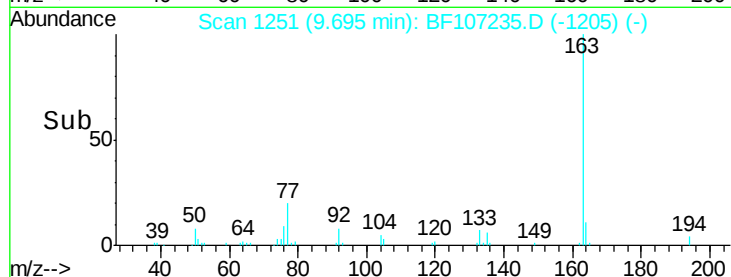
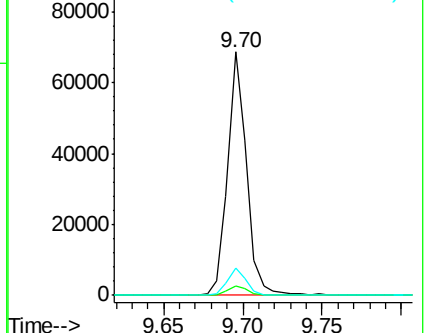
164 11.0 8.2 12.2



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: 6.305 ng

RT: 9.99 min Scan# 1301

Delta R.T. -0.21 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Tgt Ion:165 Resp: 6392

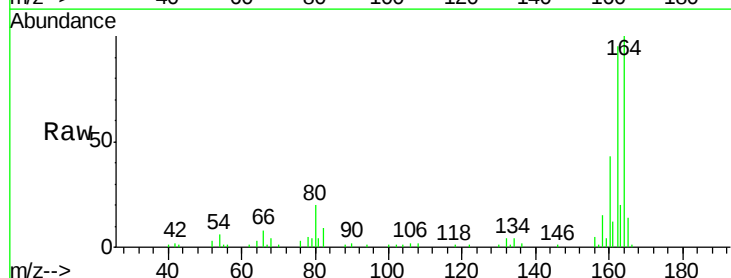
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

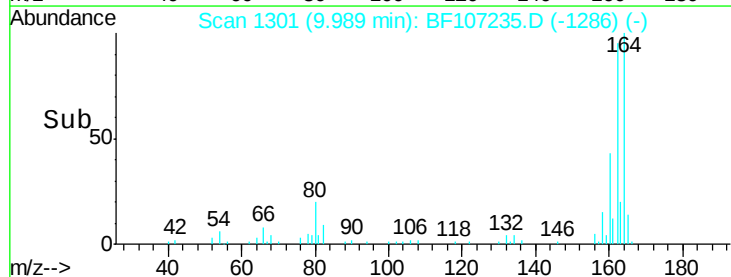
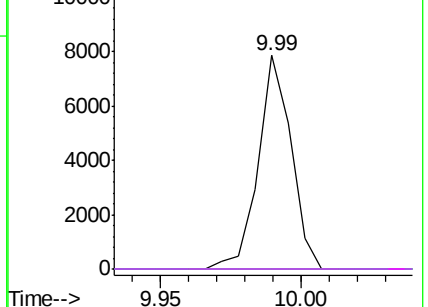


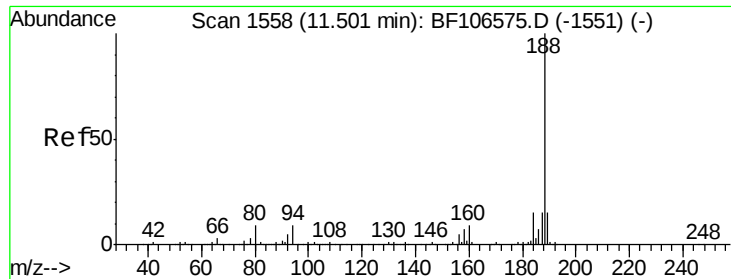
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

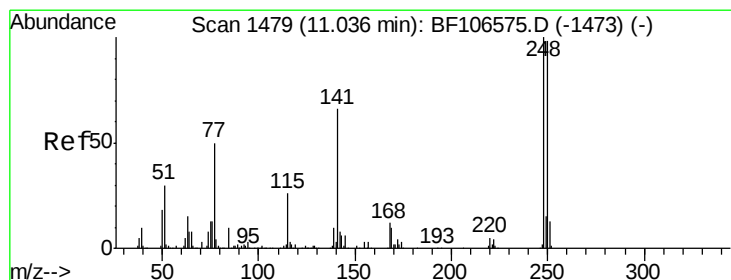
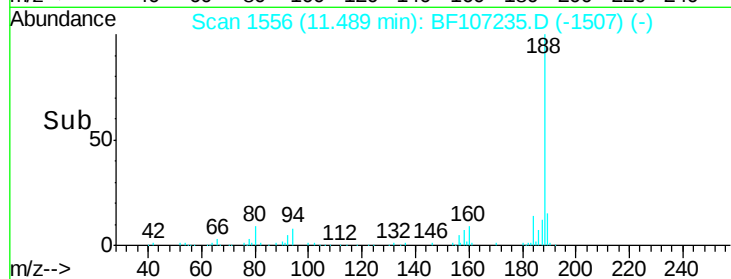
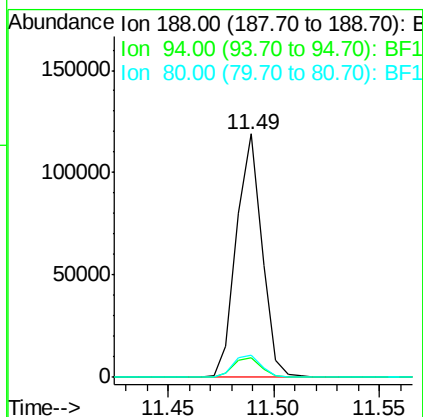
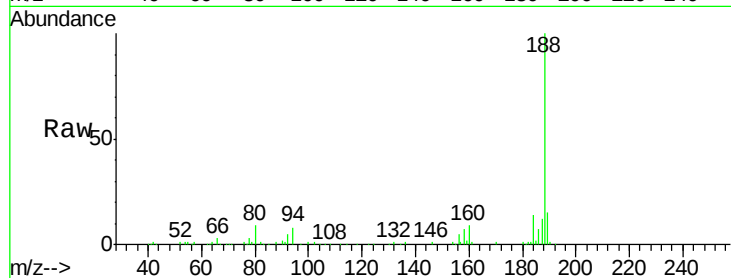




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

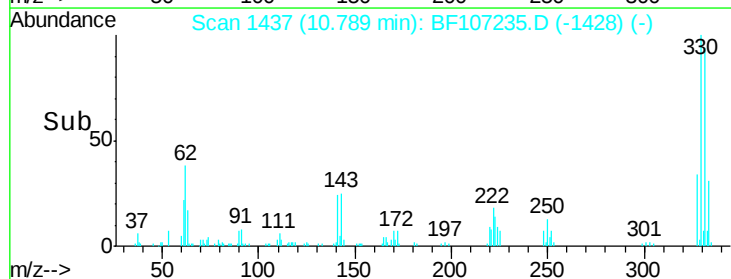
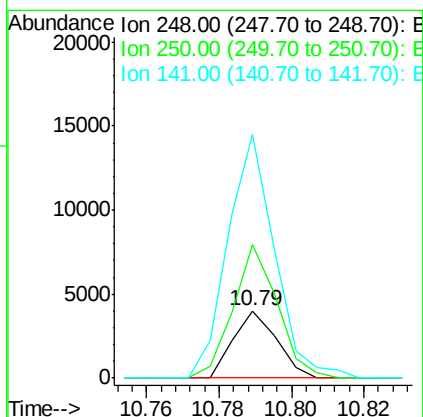
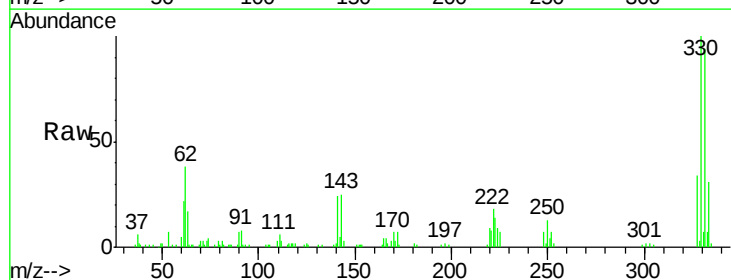
Instrument :
BNA_F
ClientSampleId :

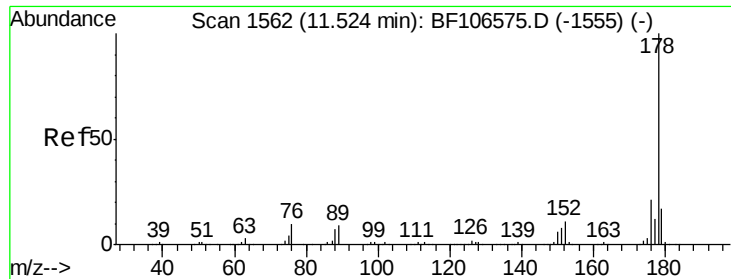
Tgt Ion:188 Resp: 99491
Ion Ratio Lower Upper
188 100
94 8.2 8.5 12.7#
80 9.2 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 2.792 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion:248 Resp: 3315
Ion Ratio Lower Upper
248 100
250 198.9 76.9 115.3#
141 362.4 74.4 111.6#

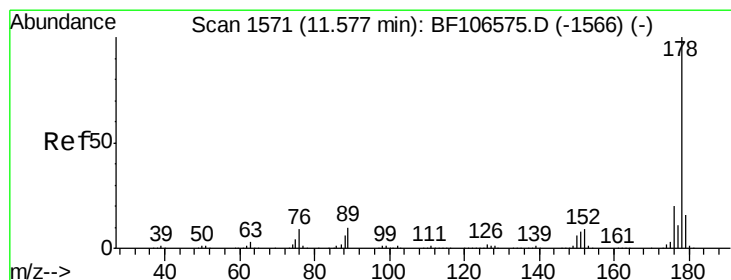
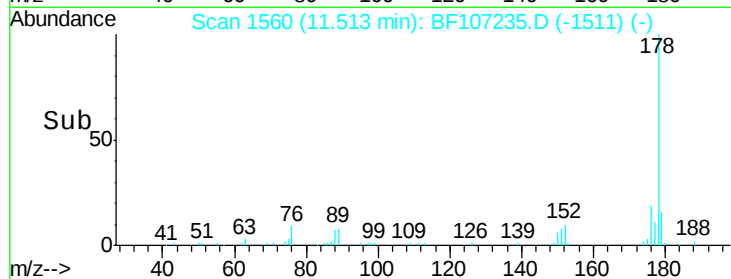
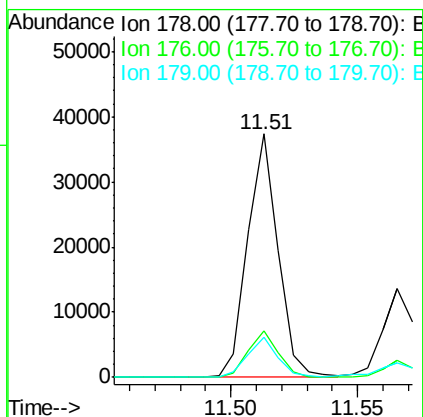
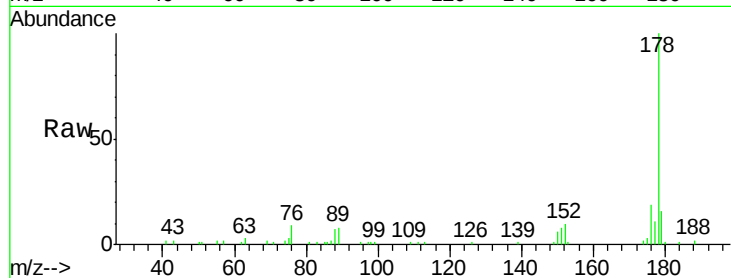




#70
 Phenanthrene
 Concen: 6.509 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

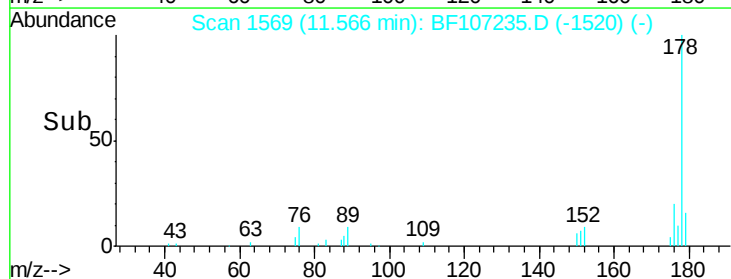
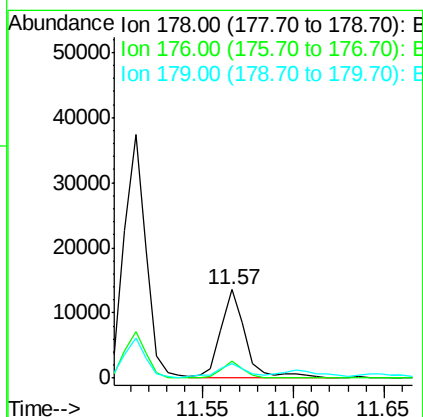
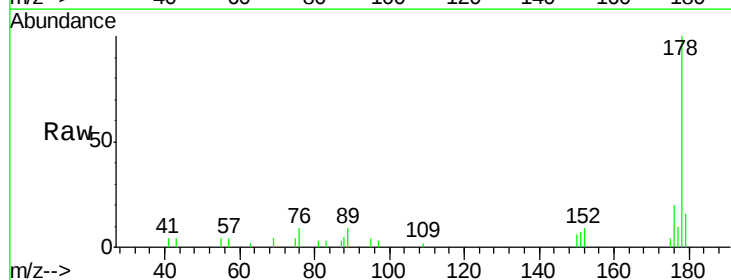
Instrument :
 BNA_F
 ClientSampleId :

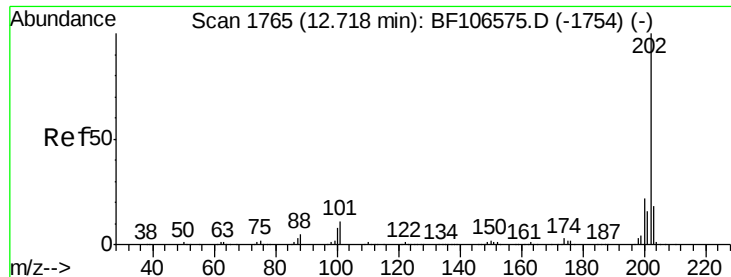
Tgt Ion:178 Resp: 31234
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 16.4 13.0 19.6



#71
 Anthracene
 Concen: 2.661 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

Tgt Ion:178 Resp: 13035
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.4 23.2
 179 16.3 12.6 19.0





#74

Fluoranthene

Concen: 16.512 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Instrument :

BNA_F

ClientSampleId :

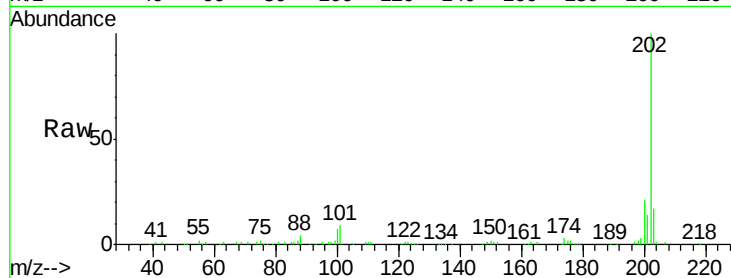
Tgt Ion:202 Resp: 87335

Ion Ratio Lower Upper

202 100

101 9.1 0.0 34.1

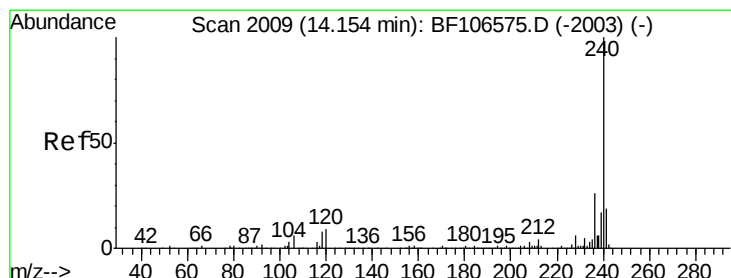
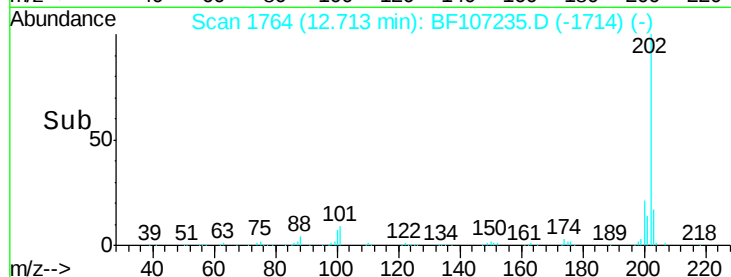
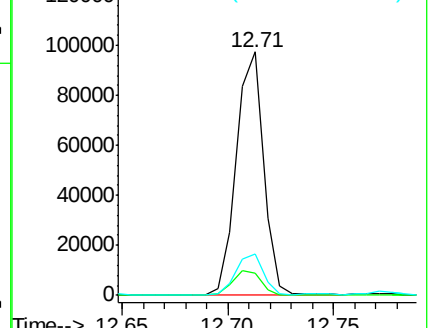
203 17.2 0.0 38.1



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: BF107235.D

Acq: 9 Jul 2018 18:08

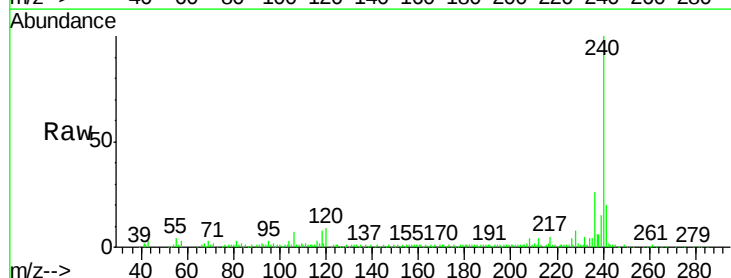
Tgt Ion:240 Resp: 90519

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

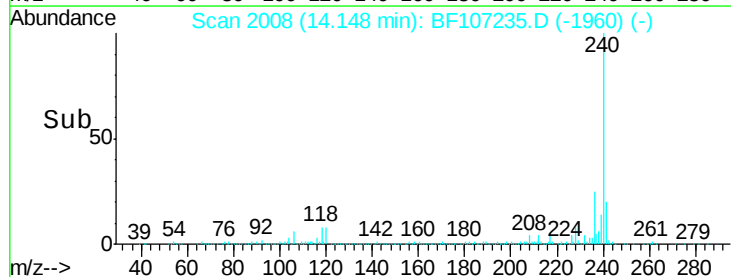
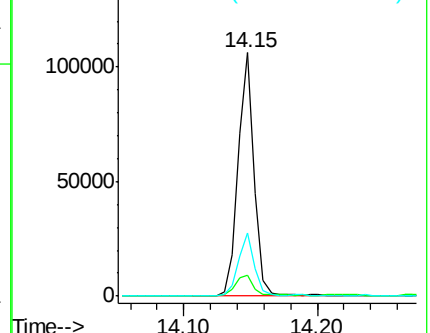
236 25.8 20.7 31.1

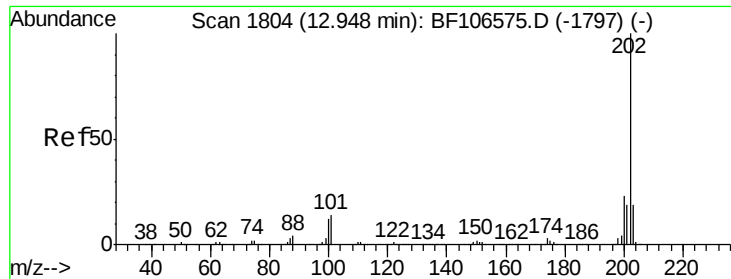


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 14.601 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Instrument :

BNA_F

ClientSampleId :

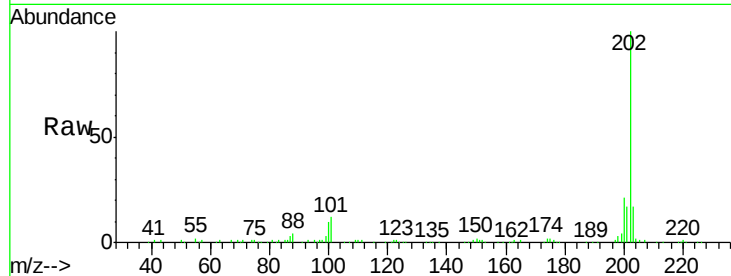
Tgt Ion:202 Resp: 87153

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

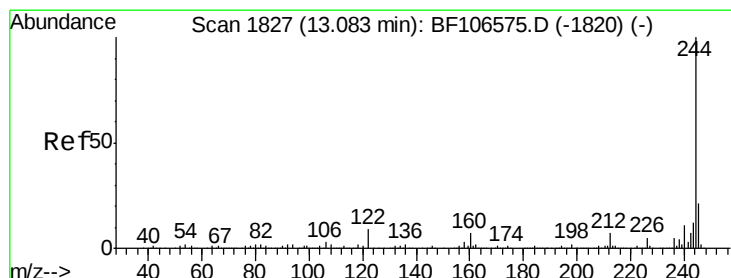
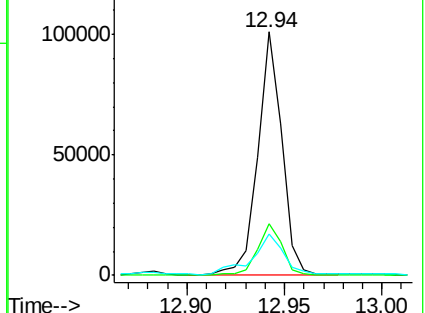
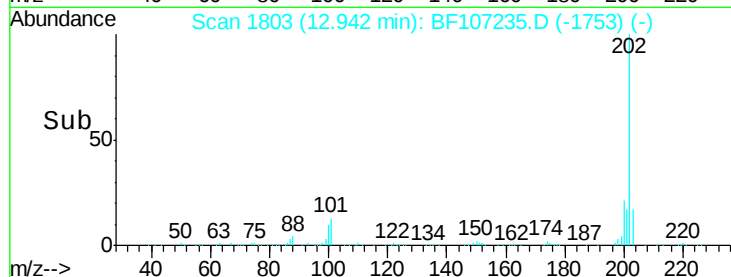
203 17.1 14.3 21.5



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: 81.294 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

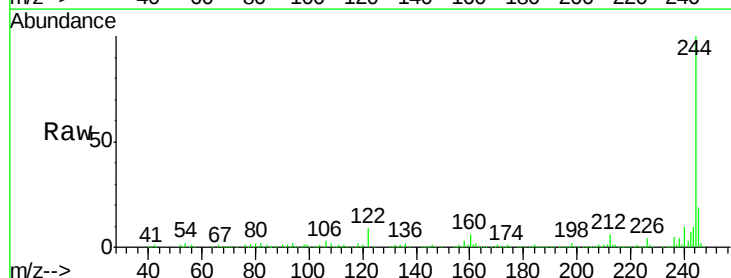
Tgt Ion:244 Resp: 303789

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

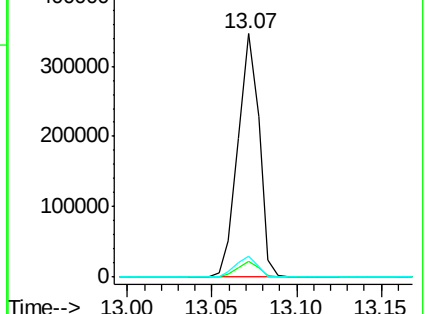
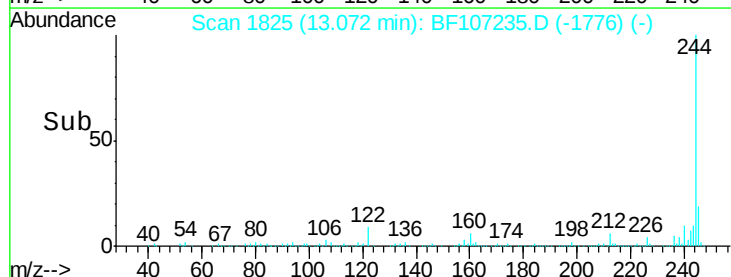
122 8.8 11.0 16.4#

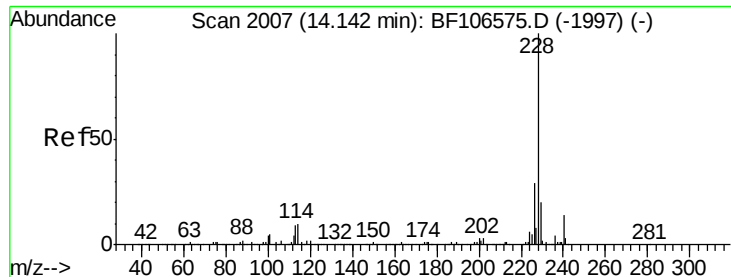


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

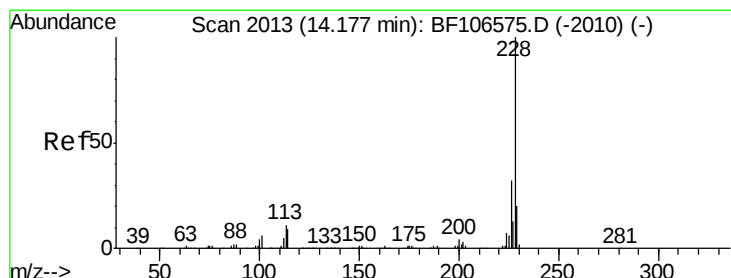
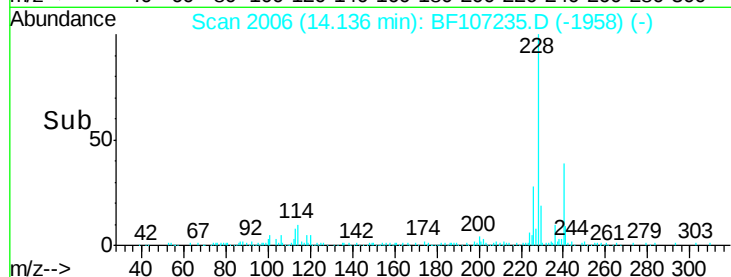
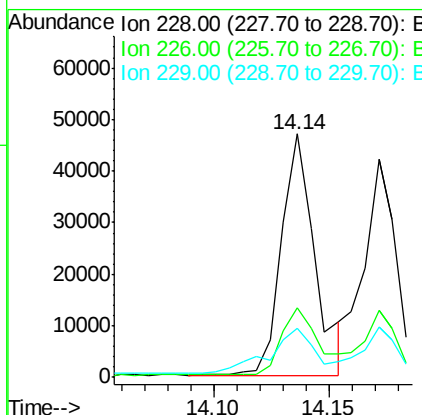
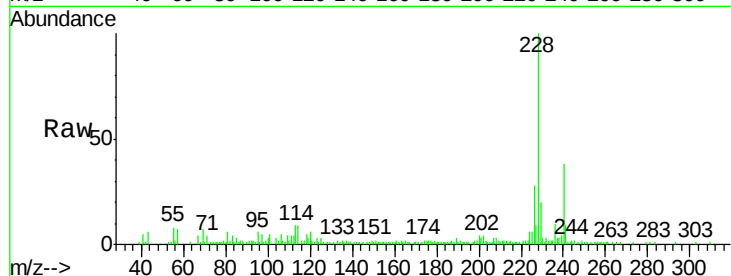




#80
Benzo(a)anthracene
Concen: 8.484 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

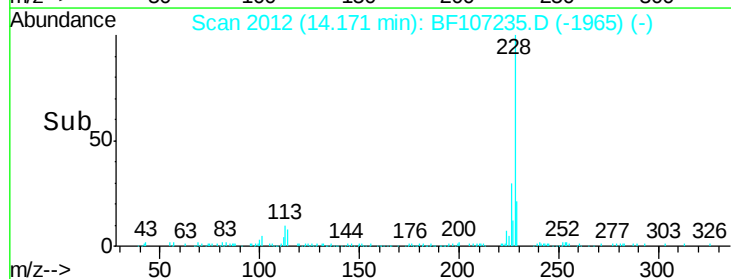
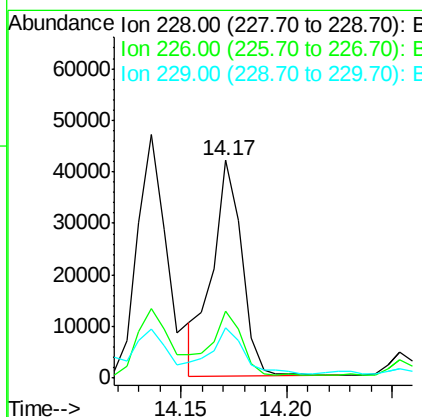
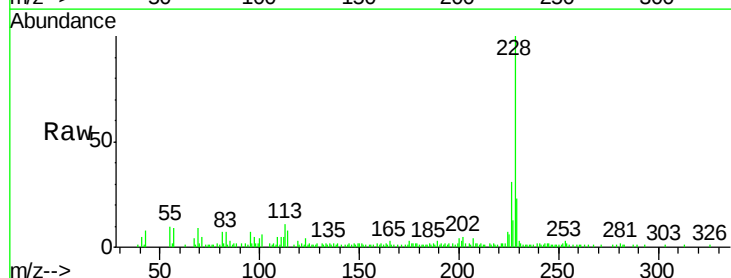
Instrument :
BNA_F
ClientSampleId :

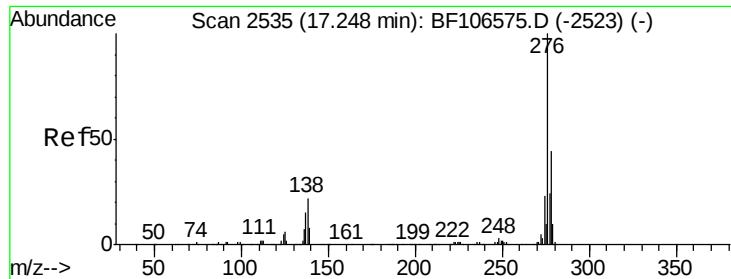
Tgt Ion:228 Resp: 46807
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 20.2 15.8 23.6



#82
Chrysene
Concen: 7.969 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion:228 Resp: 40446
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 23.0 16.2 24.4

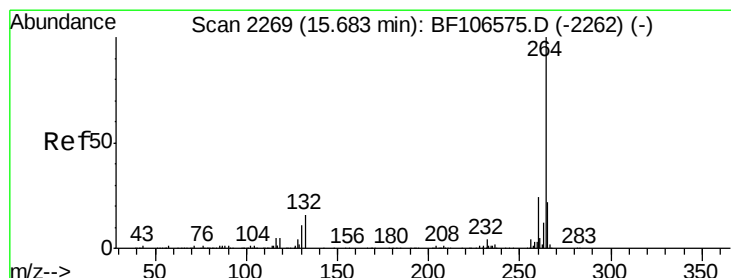
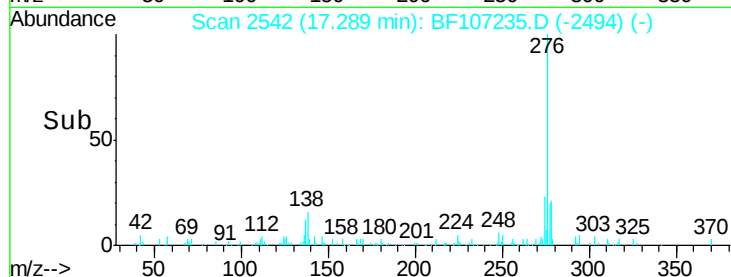
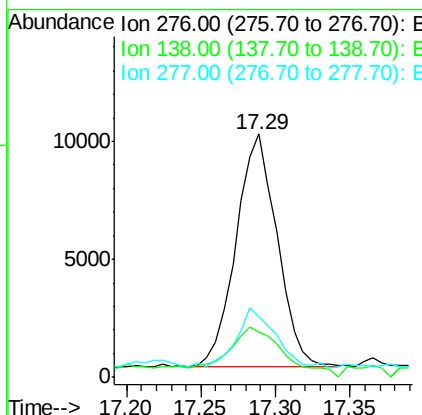
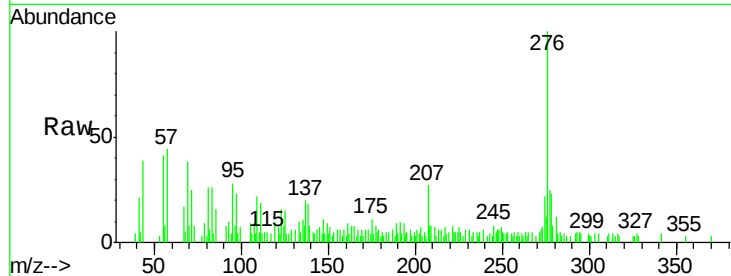




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.402 ng
 RT: 17.29 min Scan# 2542
 Delta R.T. -0.02 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

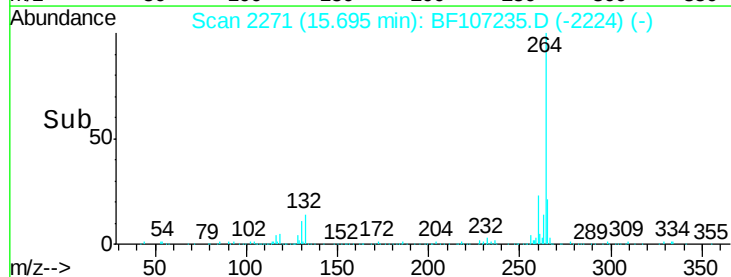
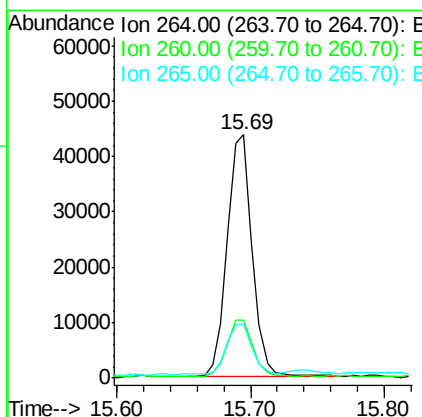
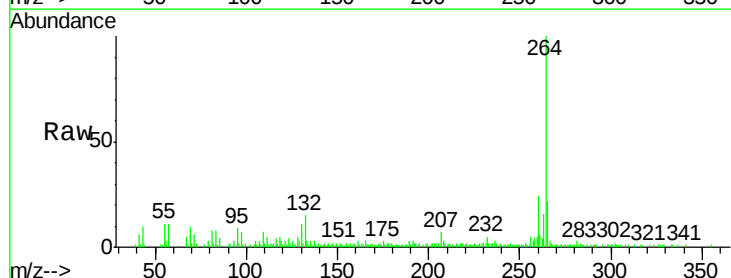
Instrument :
 BNA_F
 ClientSampled :

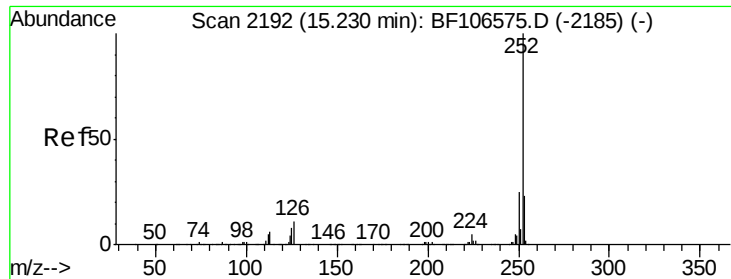
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	24.5	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.864 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107235.D

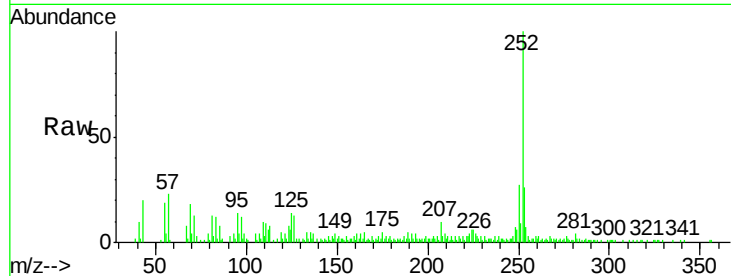
Acq: 9 Jul 2018 18:08

Instrument :

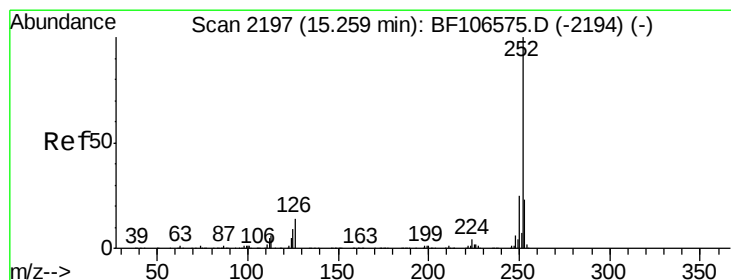
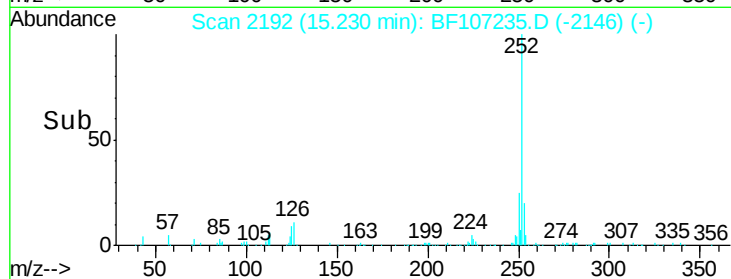
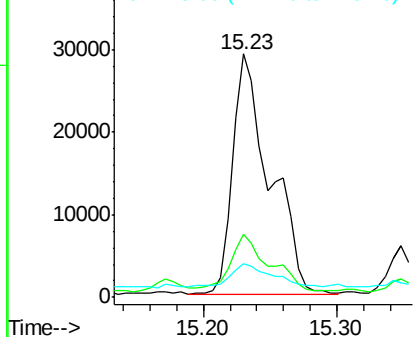
BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	56523
Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	13.8	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: 16.658 ng

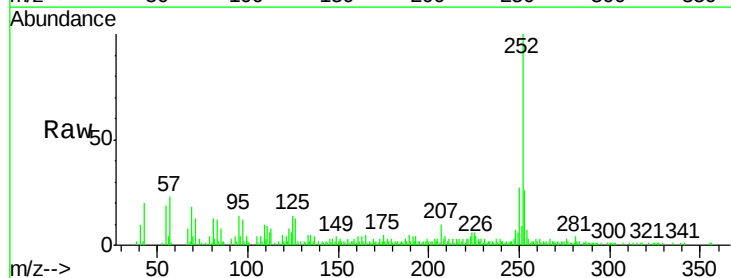
RT: 15.23 min Scan# 2192

Delta R.T. -0.06 min

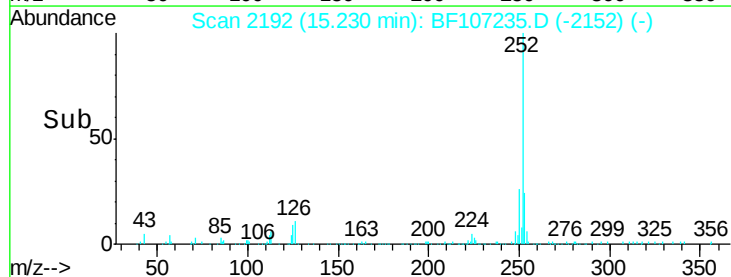
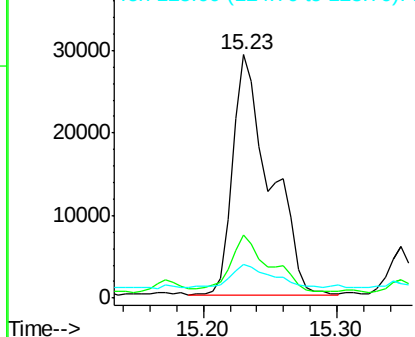
Lab File: BF107235.D

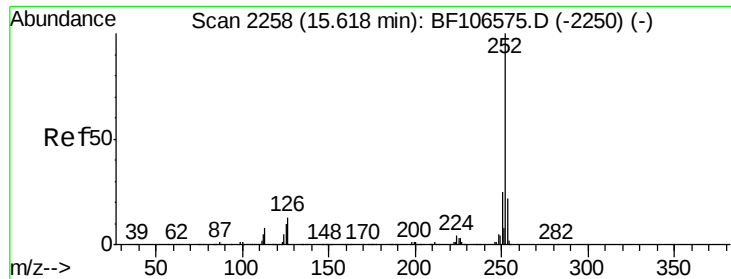
Acq: 9 Jul 2018 18:08

Tgt Ion:	252	Resp:	56523
Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	13.8	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: 8.856 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.03 min

Lab File: BF107235.D

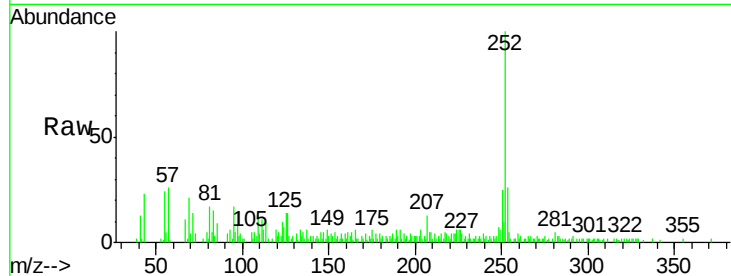
Acq: 9 Jul 2018 18:08

Instrument :

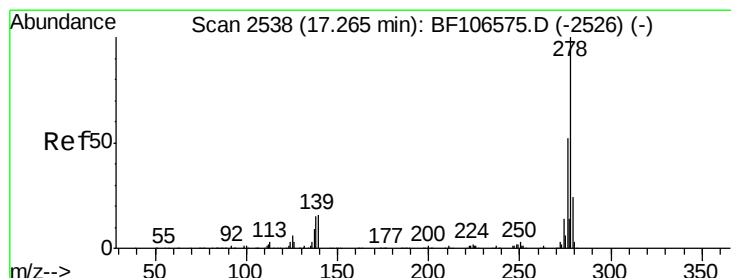
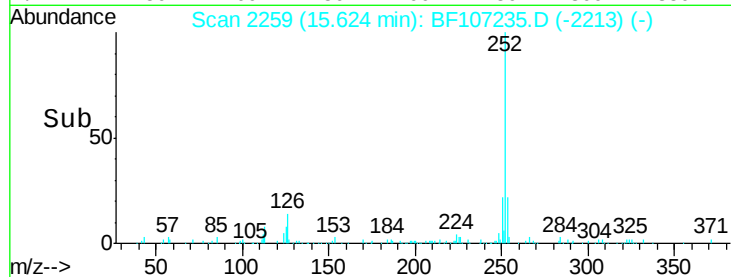
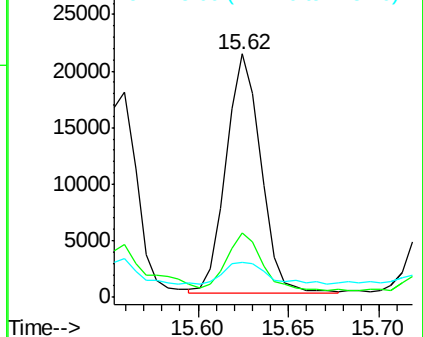
BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	28050
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.1	25.7#
125	14.2	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



#90

Dibenzo(a,h)anthracene

Concen: 2.091 ng

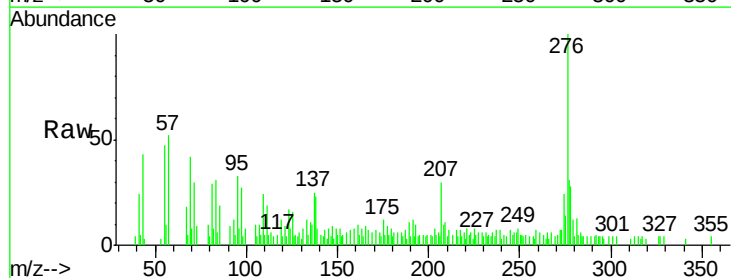
RT: 17.28 min Scan# 2541

Delta R.T. -0.04 min

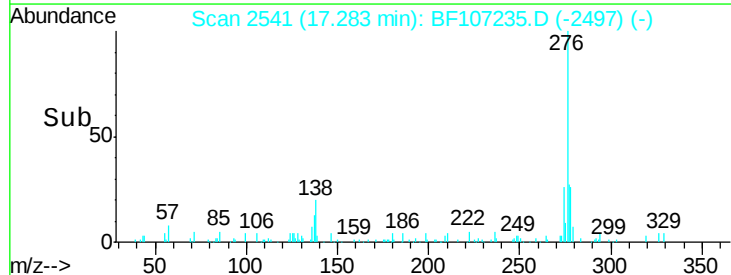
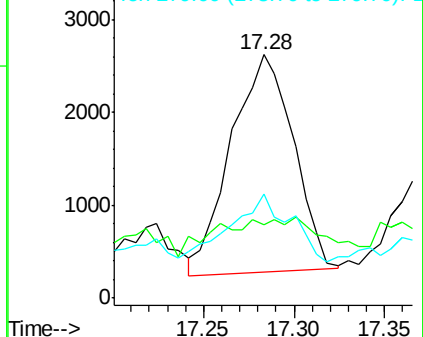
Lab File: BF107235.D

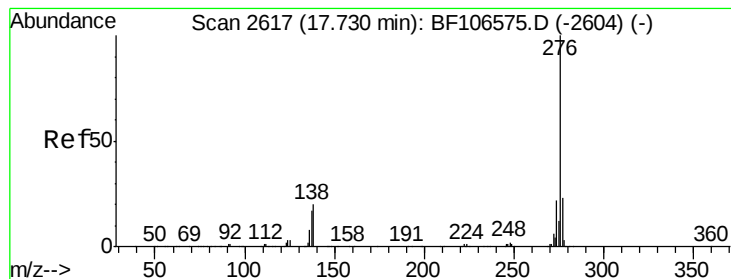
Acq: 9 Jul 2018 18:08

Tgt Ion:	278	Resp:	5614
Ion Ratio	Lower	Upper	
278	100		
139	30.1	15.9	23.9#
279	43.0	19.0	28.4#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 8.538 ng

RT: 17.78 min Scan# 2626

Delta R.T. -0.01 min

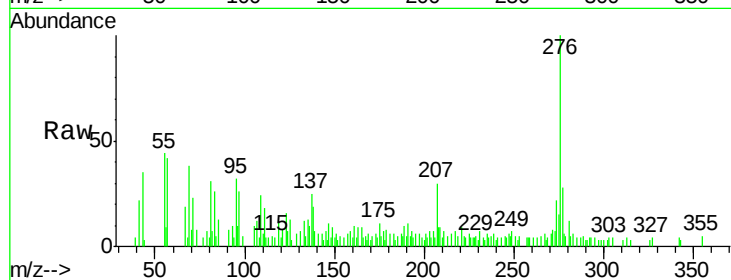
Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	276	Resp:	22403
Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9#
138	19.1	21.8	32.8#

