

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102835.D
 Acq On : 8 Feb 2018 00:50
 Operator : SJ/JU
 Sample : J1473-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 06:29:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	187959	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	757016	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	301991	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	452196	20.00	ng	0.00
75) Chrysene-d12	14.05	240	349894	20.00	ng	0.00
86) Perylene-d12	15.53	264	272291	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1381116	111.59	ng	0.02
7) Phenol-d6	6.52	99	1622099	108.85	ng	0.01
23) Nitrobenzene-d5	7.45	82	1011513	92.69	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	274925	113.11	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1517514	83.38	ng	0.00
78) Terphenyl-d14	13.00	244	1116523	75.56	ng	0.00

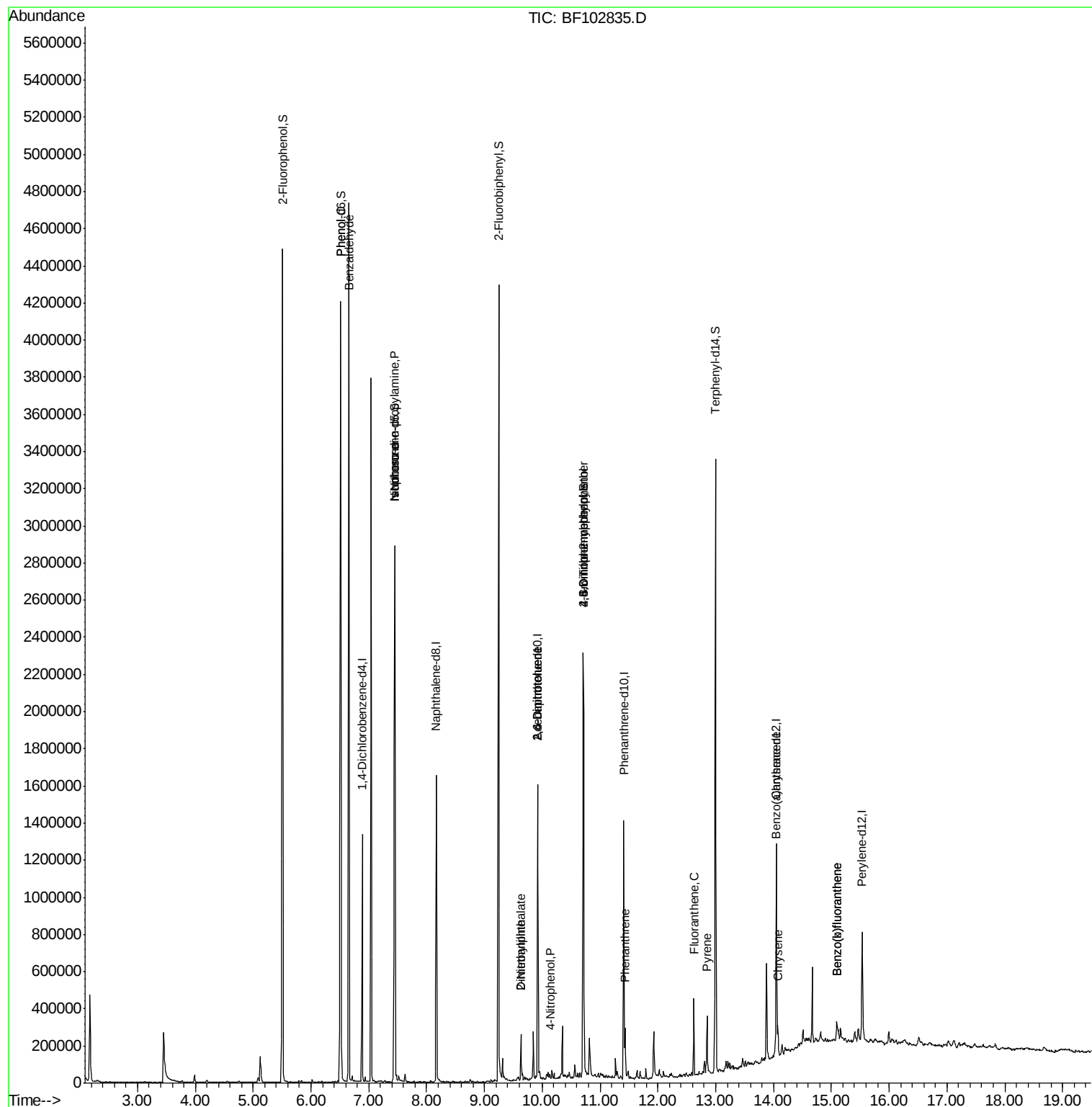
Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	28710	2.59	ng	85
10) Phenol	6.52	94	39991	2.50	ng	# 63
19) n-Nitroso-di-n-propylamine	7.45	70	136424	13.88	ng	# 80
25) Isophorone	7.45	82	1011495	40.25	ng	# 64
47) 2-Nitroaniline	9.63	65	1045	3.63	ng	# 1
49) Dimethylphthalate	9.63	163	93494	3.97	ng	# 98
50) 2,6-Dinitrotoluene	9.92	165	38044	8.49	ng	# 25
55) 4-Nitrophenol	10.13	139	1594	4.36	ng	# 27
56) 2,4-Dinitrotoluene	9.92	165	38044	9.00	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	584	9.08	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	17994	3.76	ng	# 1
70) Phenanthrene	11.43	178	82235	3.27	ng	98
74) Fluoranthene	12.62	202	140439	5.54	ng	99
77) Pyrene	12.85	202	114446	4.17	ng	98
80) Benzo(a)anthracene	14.04	228	44249	2.01	ng	98
82) Chrysene	14.07	228	52489	2.37	ng	97
87) Benzo(b)fluoranthene	15.09	252	70170	3.97	ng	# 87
88) Benzo(k)fluoranthene	15.09	252	70170	4.16	ng	# 90

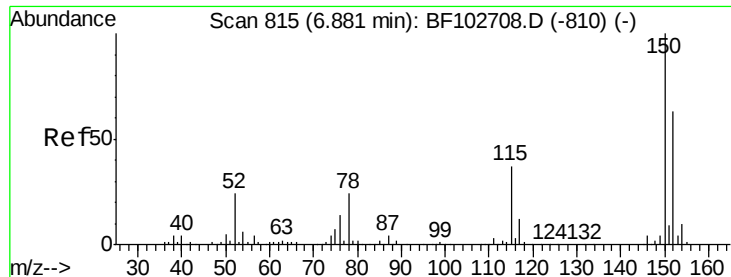
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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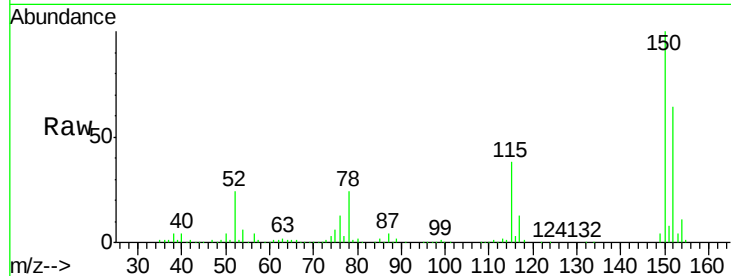


#1

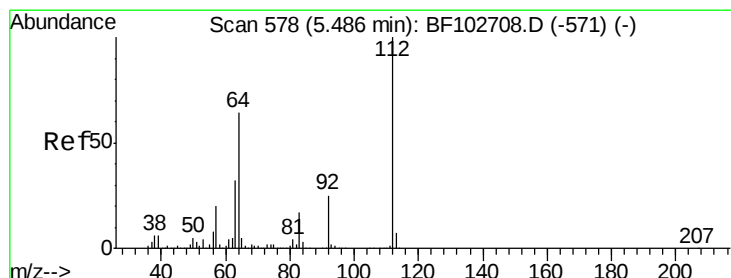
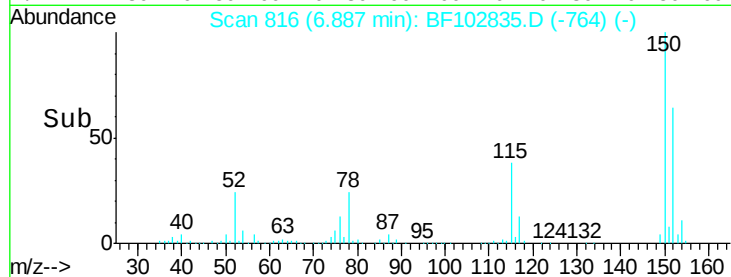
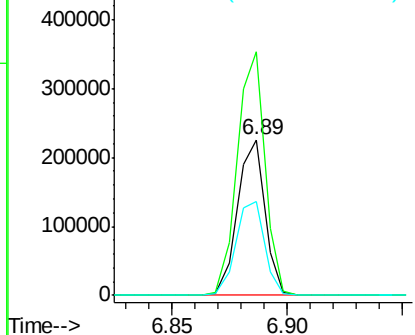
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 187959
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 60.0 50.1 75.1



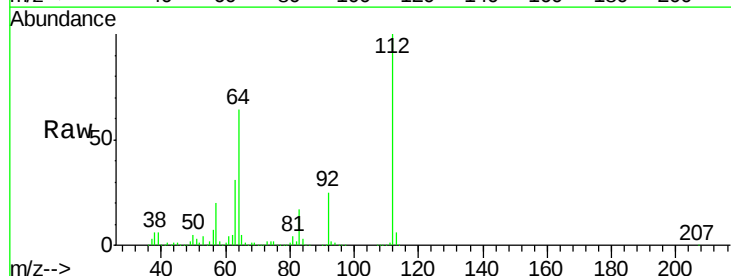
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



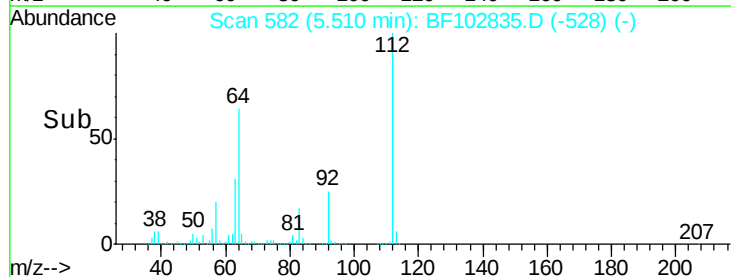
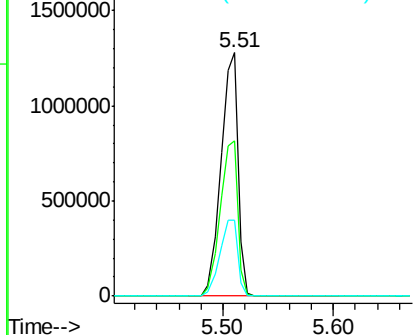
#5

2-Fluorophenol
Concen: 111.59 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

Tgt Ion:112 Resp: 1381116
Ion Ratio Lower Upper
112 100
64 63.6 47.9 71.9
63 31.4 23.7 35.5



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





#7

Phenol-d6

Concen: 108.85 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

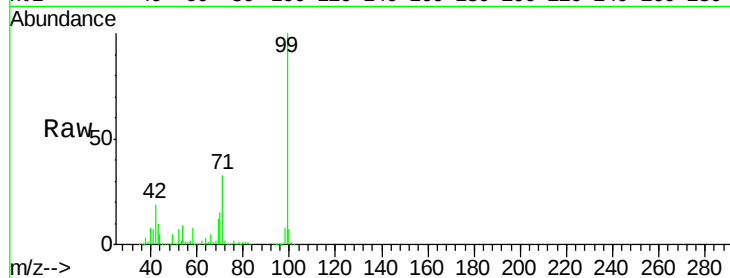
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1622099

Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.5	21.7
71	32.8	25.4	38.0

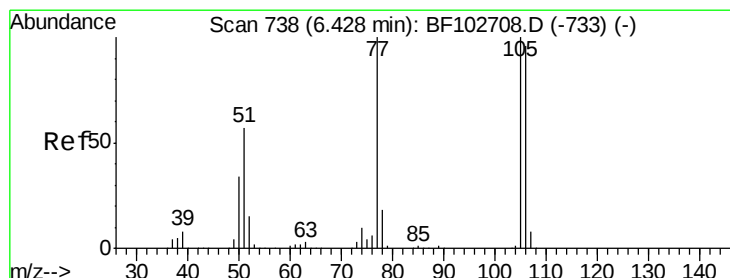
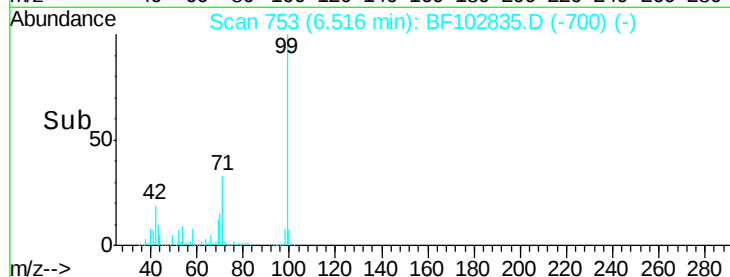
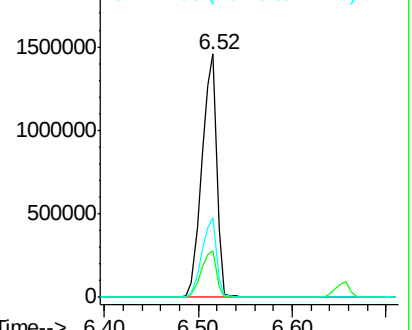


Abundance

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



#9

Benzaldehyde

Concen: 2.59 ng

RT: 6.66 min Scan# 777

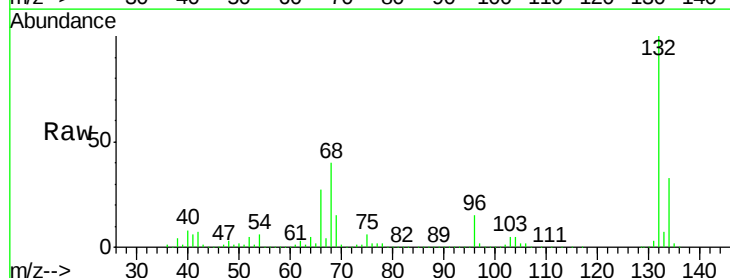
Delta R.T. 0.22 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

Tgt Ion: 77 Resp: 28710

Ion	Ratio	Lower	Upper
77	100		
105	81.6	81.1	121.1
106	84.4	74.5	114.5

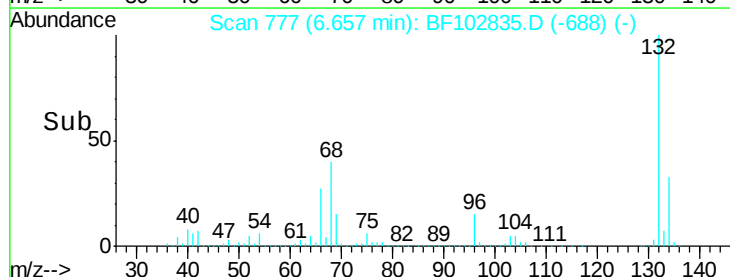
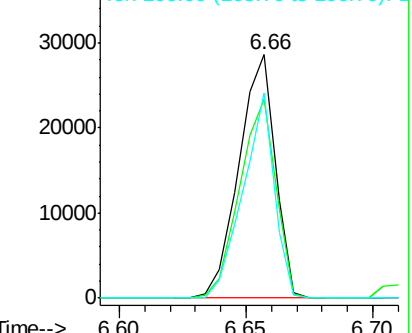


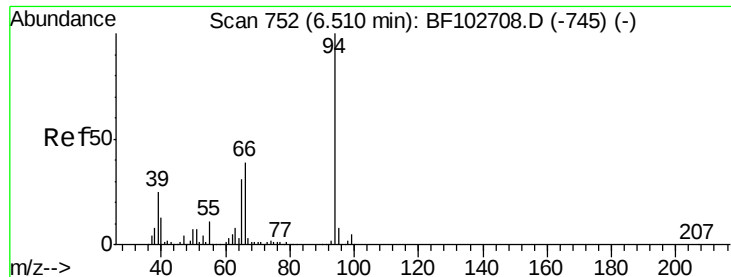
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

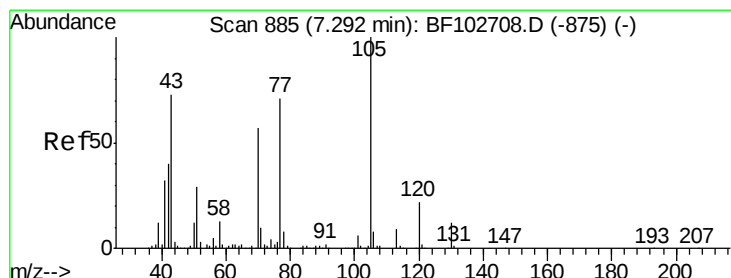
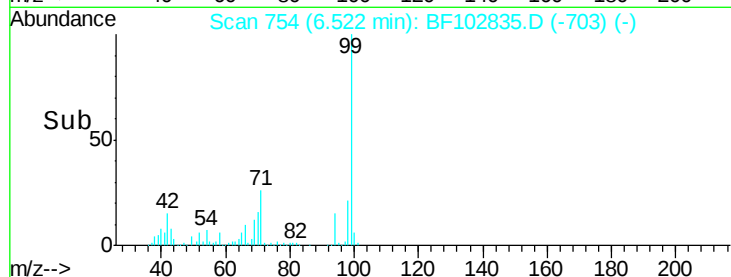
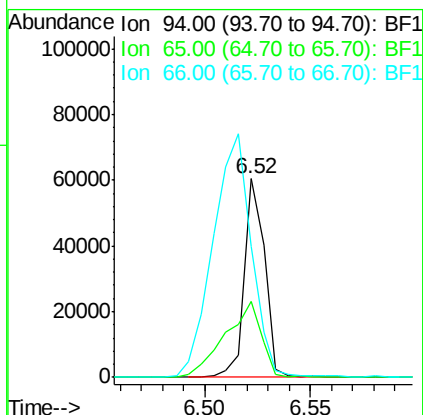
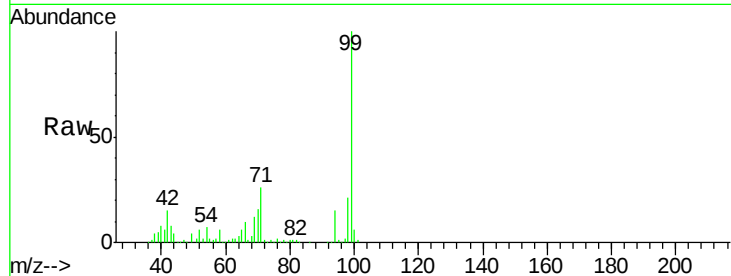




#10
Phenol
Concen: 2.50 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

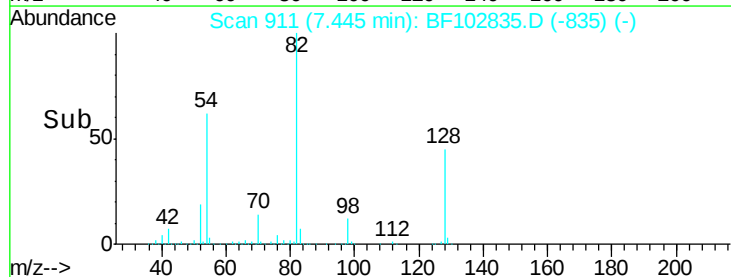
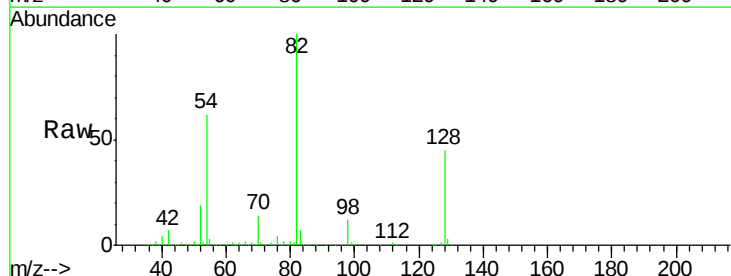
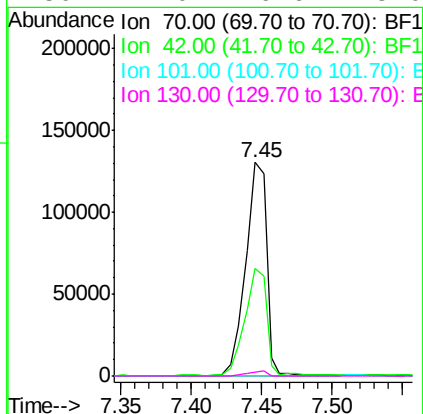
Instrument :
BNA_F
ClientSampleId :

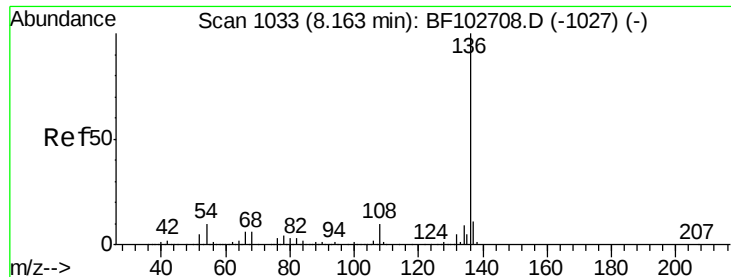
Tot Ion: 94 Resp: 39991
Ion Ratio Lower Upper
94 100
65 38.4 7.9 47.9
66 66.1 16.2 56.2#



#19
n-Nitroso-di-n-propylamine
Concen: 13.88 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

Tgt Ion: 70 Resp: 136424
Ion Ratio Lower Upper
70 100
42 50.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#

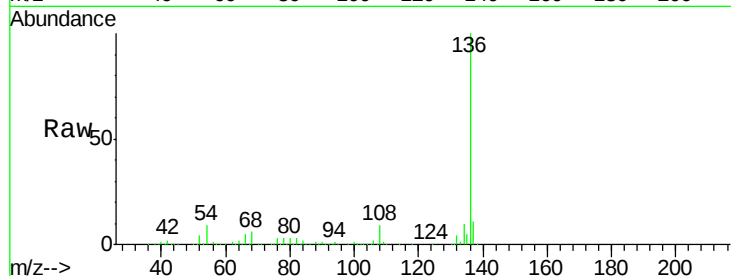




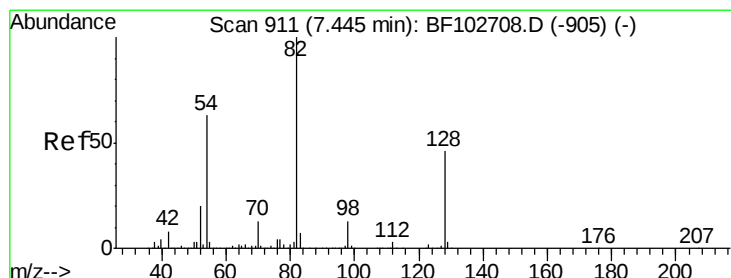
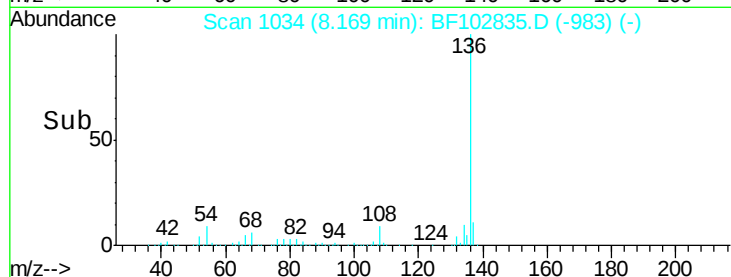
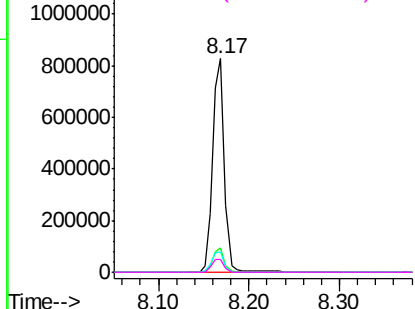
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	757016
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.9	13.3
54 9.4	6.6	9.8
68 6.3	5.0	7.4

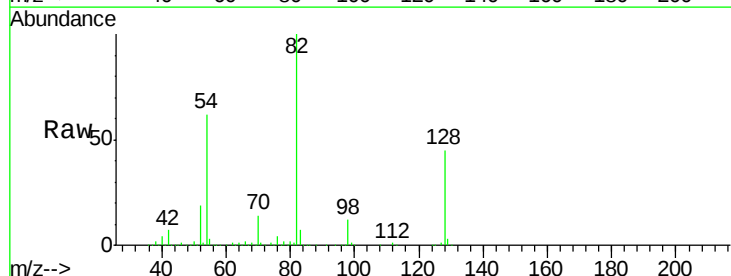


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

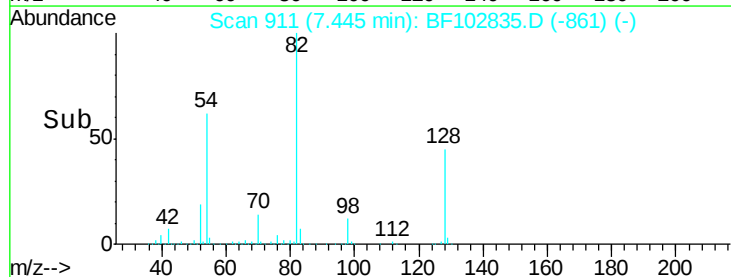
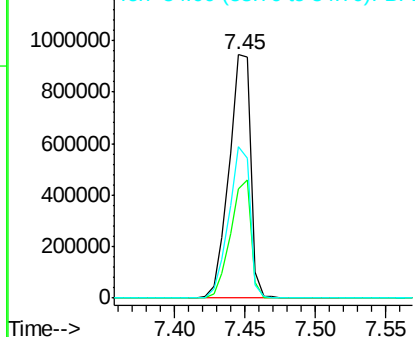


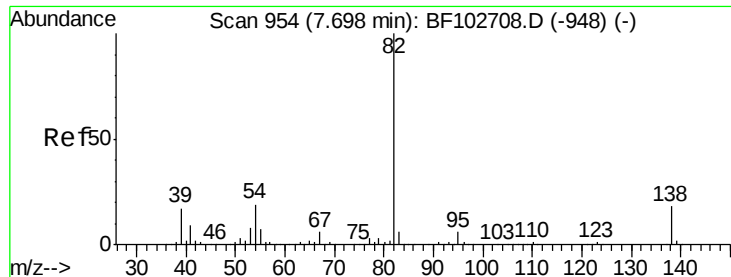
#23
Nitrobenzene-d5
Concen: 92.69 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

Tgt Ion: 82	Resp: 1011513
Ion Ratio	Lower Upper
82 100	
128 44.8	36.1 54.1
54 62.2	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: 40.25 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

Instrument :

BNA_F

ClientSampled :

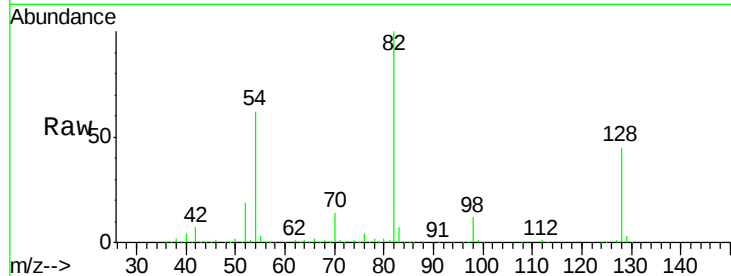
Tot Ion: 82 Resp: 1011495

Ion Ratio Lower Upper

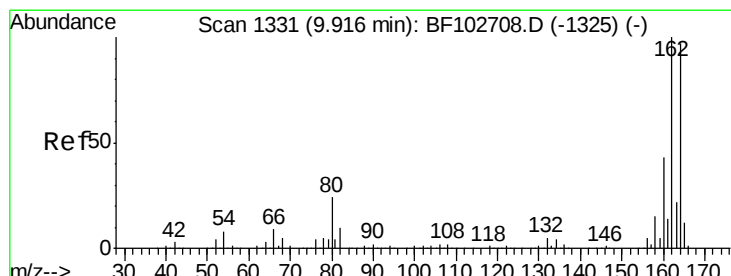
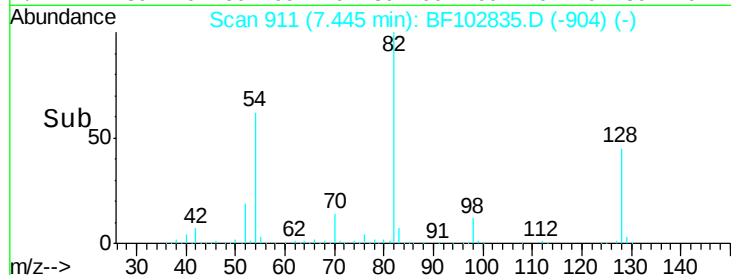
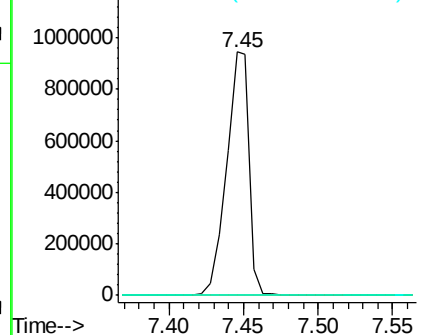
82 100

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: 20.00 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

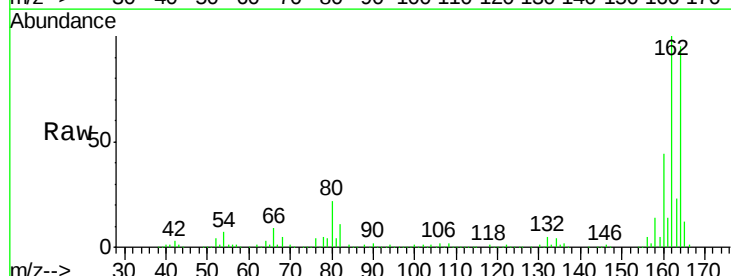
Tgt Ion: 164 Resp: 301991

Ion Ratio Lower Upper

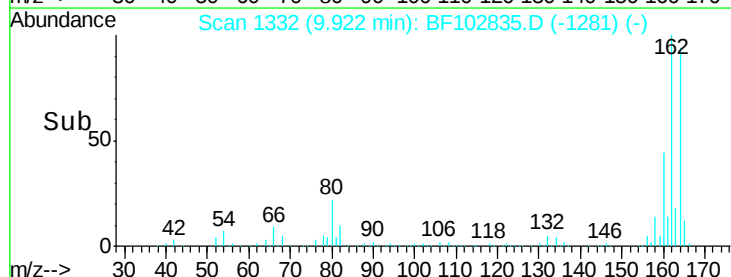
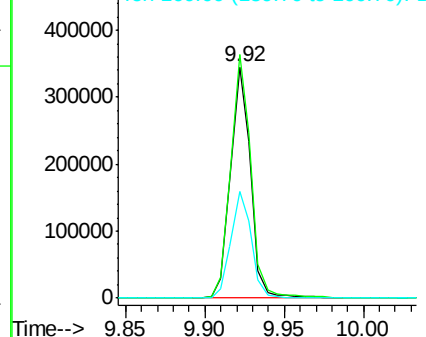
164 100

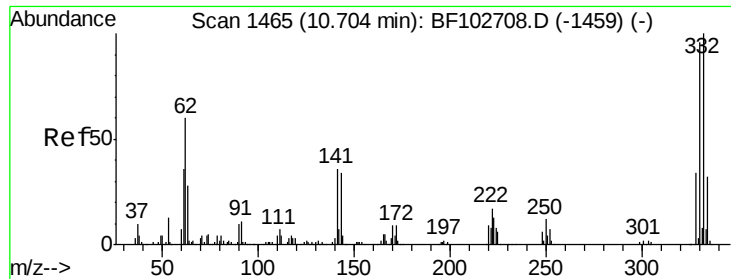
162 105.3 86.1 129.1

160 45.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

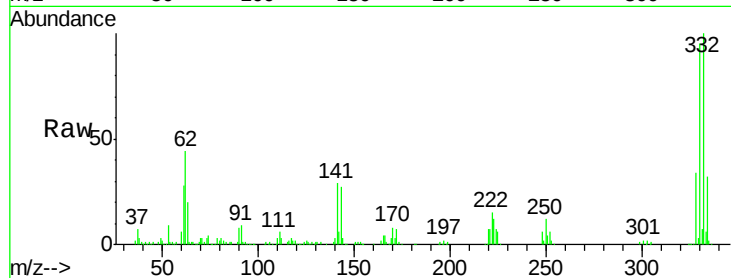




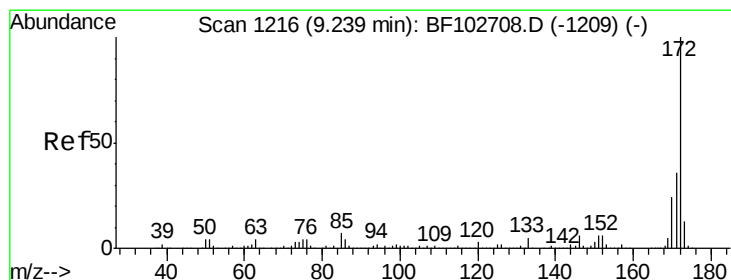
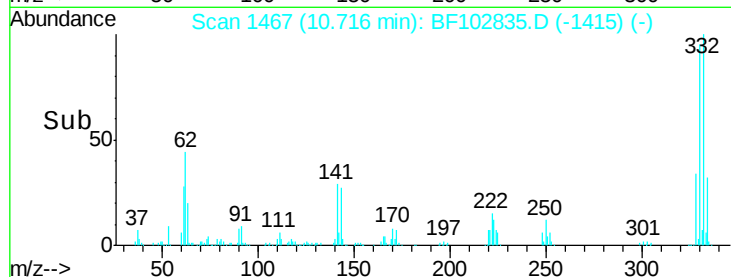
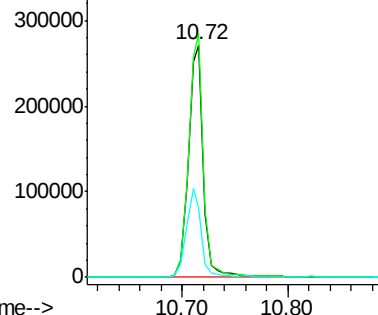
#41
 2,4,6-Tribromophenol
 Concen: 113.11 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102835.D
 Acq: 8 Feb 2018 00:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.3	77.0	115.6
141	38.5	29.9	44.9

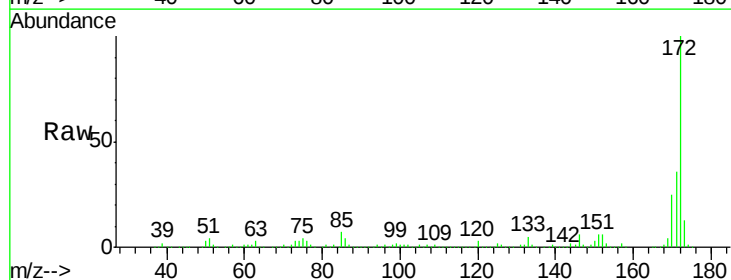


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

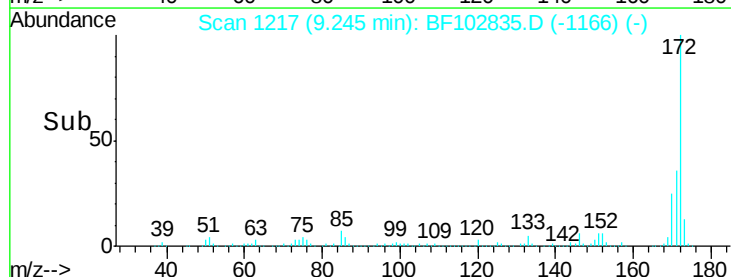
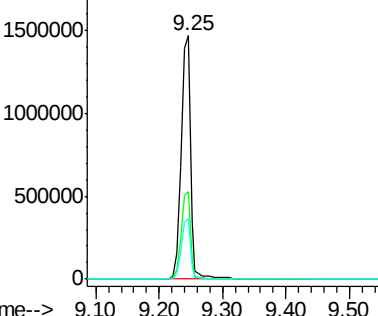


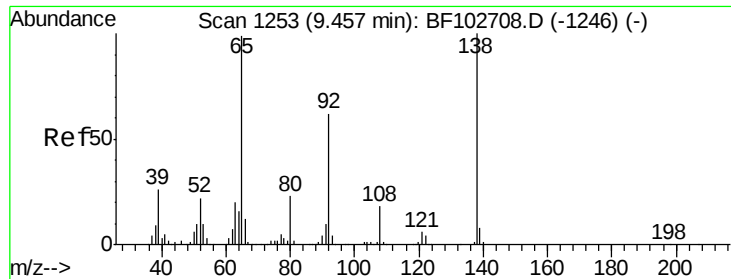
#44
 2-Fluorobiphenyl
 Concen: 83.38 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF102835.D
 Acq: 8 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.9	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





#47

2-Nitroaniline

Concen: 3.63 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.17 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

Instrument :

BNA_F

ClientSampled :

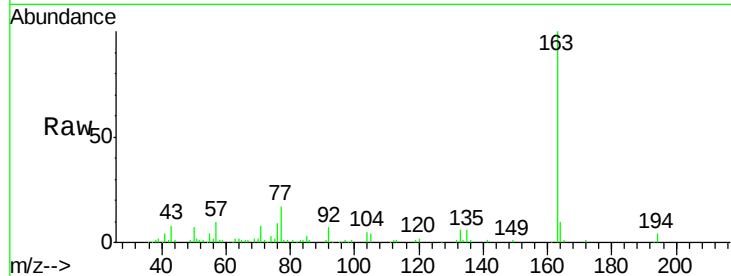
Tot Ion: 65 Resp: 1045

Ion Ratio Lower Upper

65 100

92 623.2 55.8 83.6#

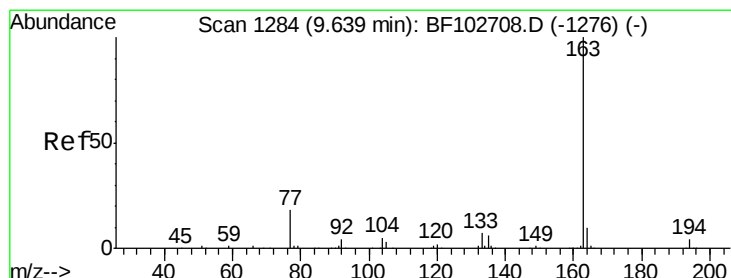
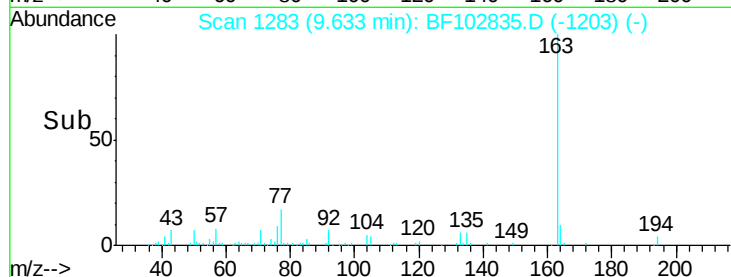
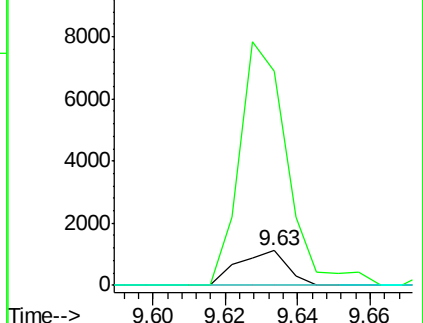
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 3.97 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

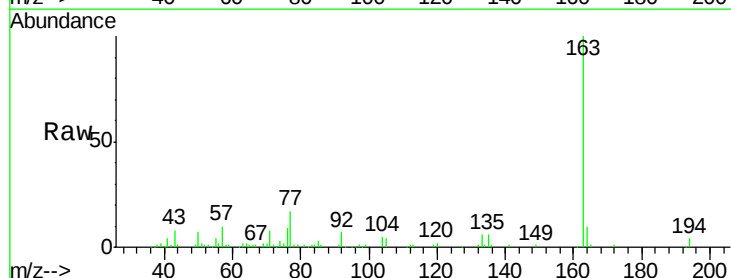
Tgt Ion: 163 Resp: 93494

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

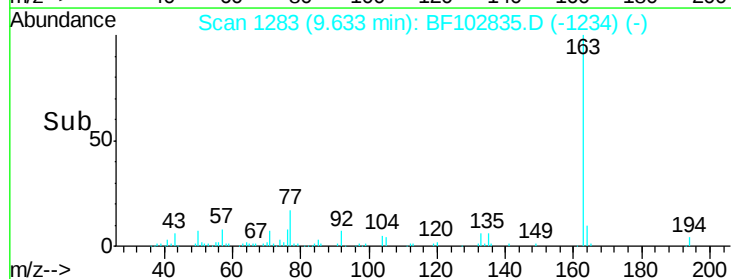
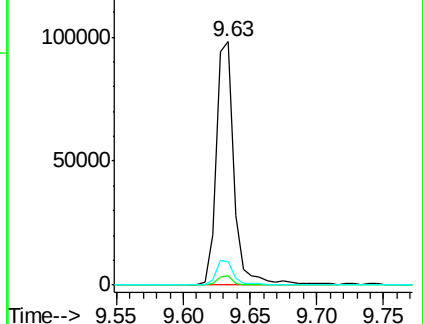
164 9.6 8.2 12.2

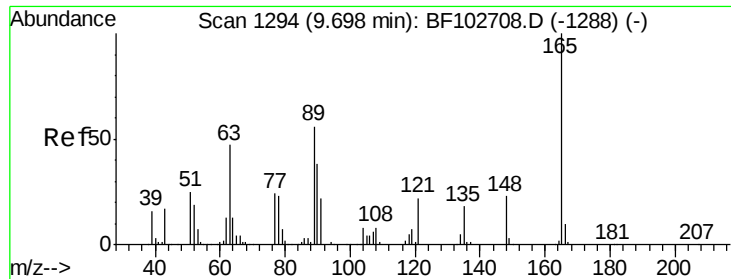


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

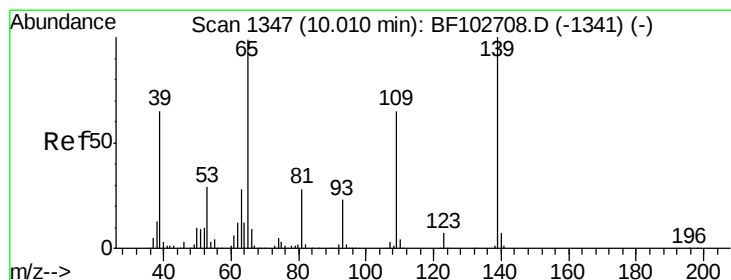
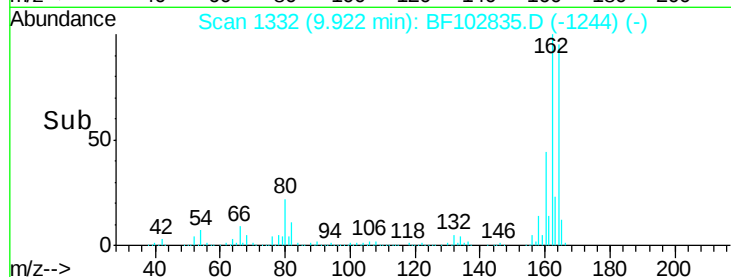
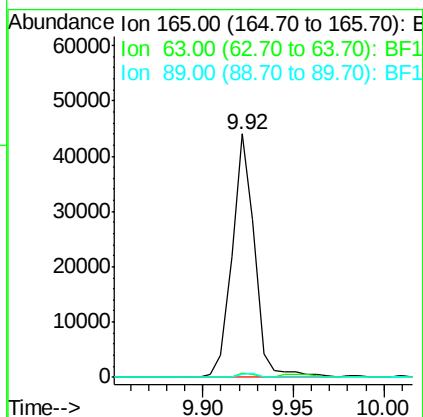
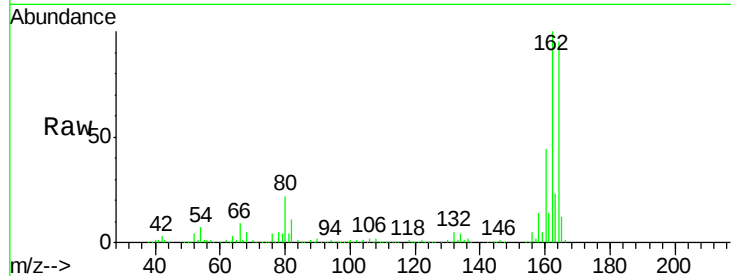




#50
 2,6-Dinitrotoluene
 Concen: 8.49 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102835.D
 Acq: 8 Feb 2018 00:50

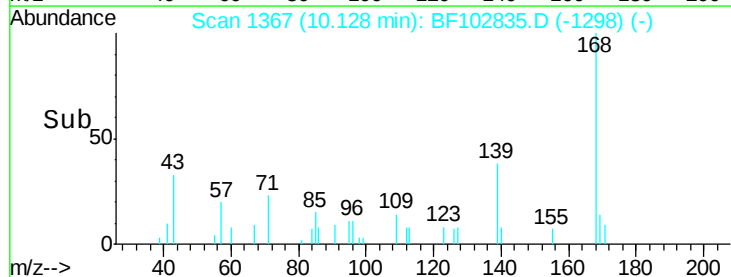
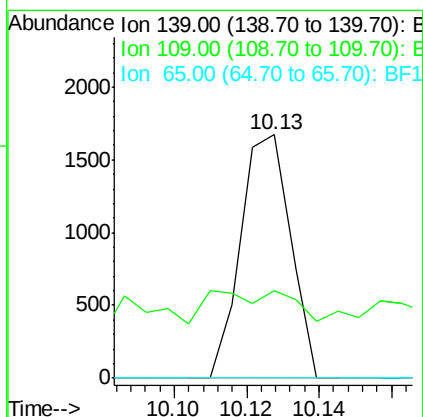
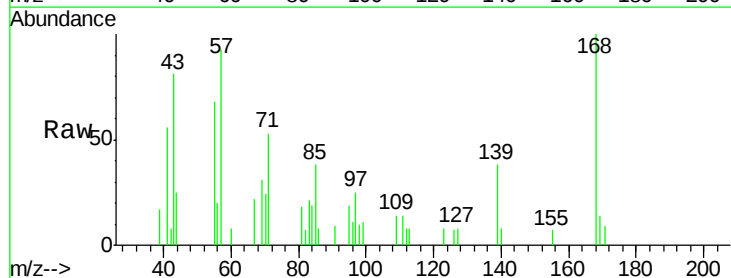
Instrument :
 BNA_F
 ClientSampleId :

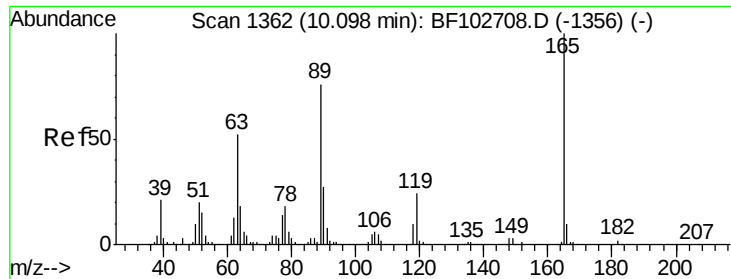
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.0	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.36 ng
 RT: 10.13 min Scan# 1367
 Delta R.T. 0.11 min
 Lab File: BF102835.D
 Acq: 8 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
139	100		
109	36.2	48.4	88.4#
65	0.0	72.6	112.6#

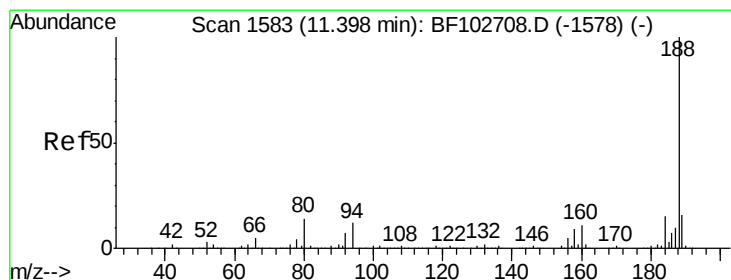
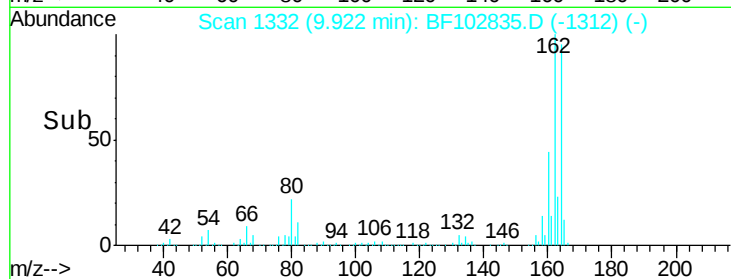
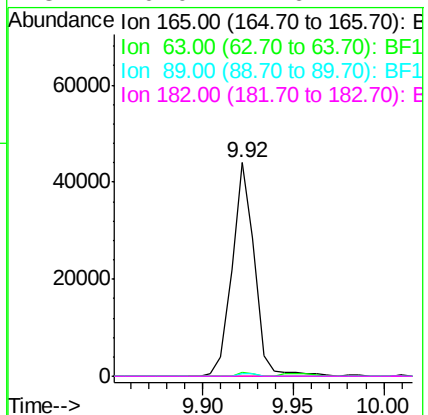
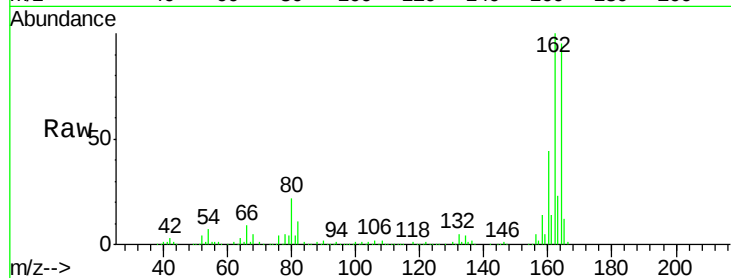




#56
 2,4-Dinitrotoluene
 Concen: 9.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102835.D
 Acq: 8 Feb 2018 00:50

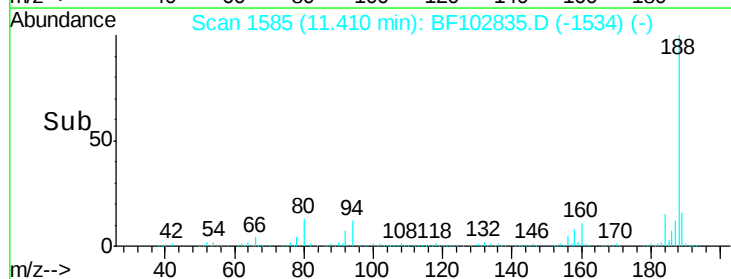
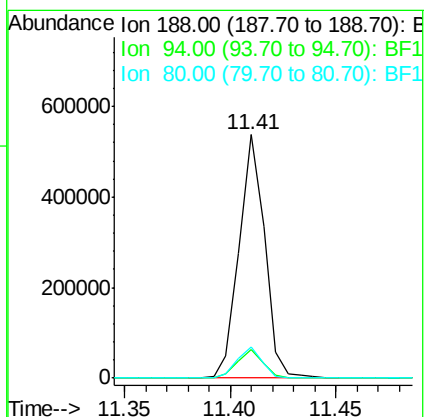
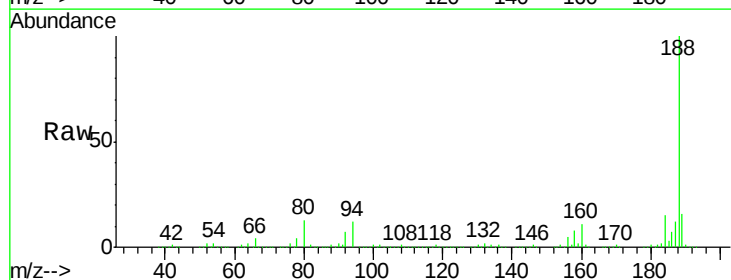
Instrument :
 BNA_F
 ClientSampleId :

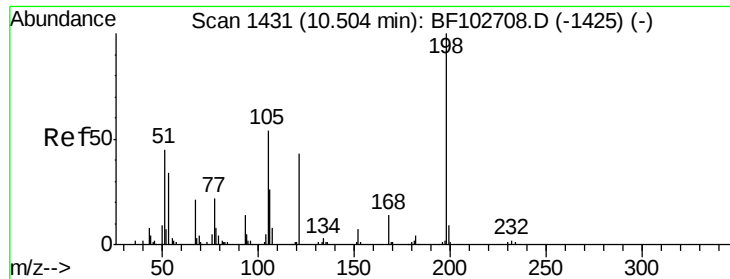
Tot Ion:165 Resp: 38044
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.0 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102835.D
 Acq: 8 Feb 2018 00:50

Tgt Ion:188 Resp: 452196
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.5 12.7
 80 12.5 9.2 13.8

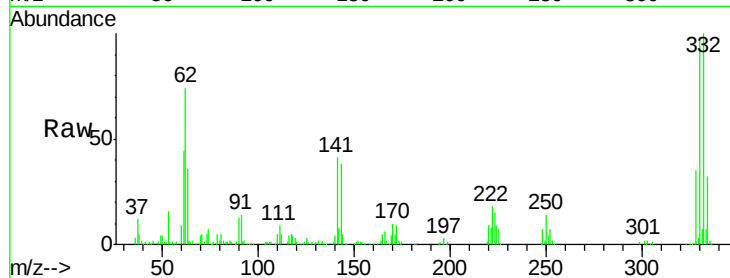




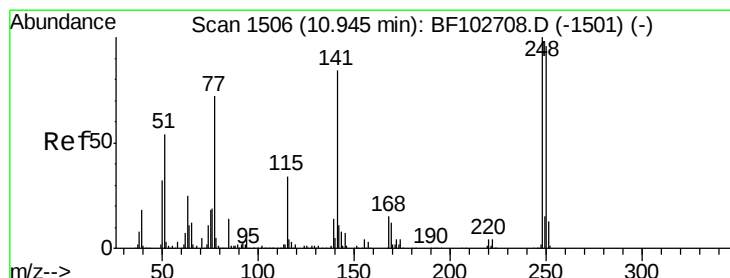
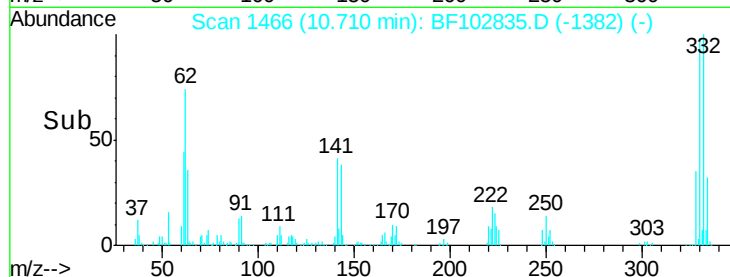
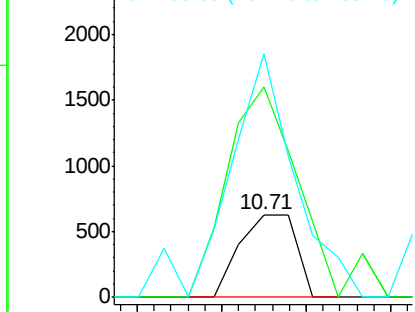
#64
4,6-Dinitro-2-methylphenol
Concen: 9.08 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 584
Ion Ratio Lower Upper
198 100
51 253.4 37.7 77.7#
105 293.7 36.3 76.3#

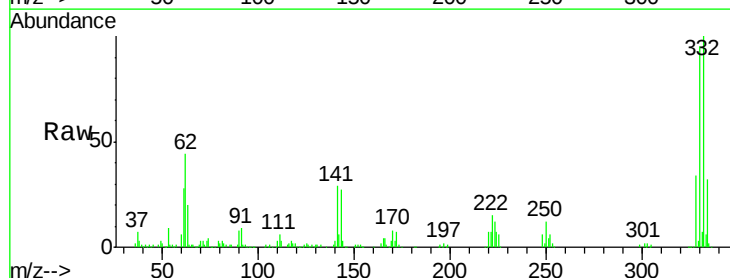


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

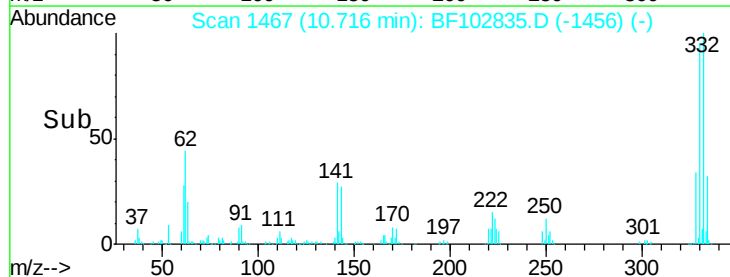
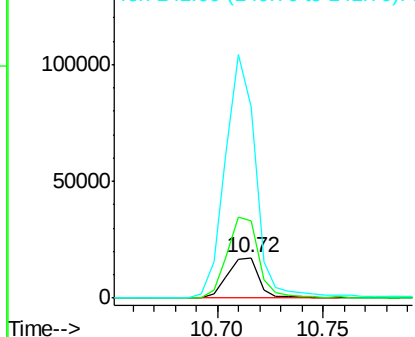


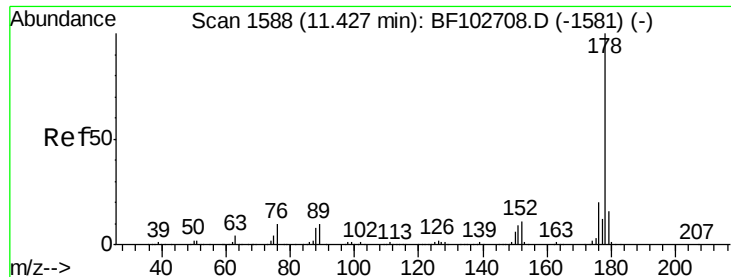
#66
4-Bromophenyl-phenylether
Concen: 3.76 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

Tgt Ion:248 Resp: 17994
Ion Ratio Lower Upper
248 100
250 193.6 76.9 115.3#
141 475.6 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.27 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

Instrument :

BNA_F

ClientSampled :

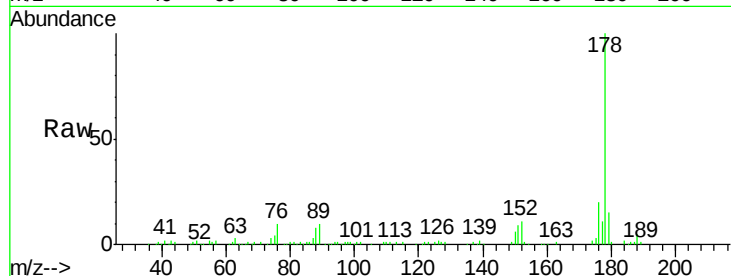
Tot Ion:178 Resp: 82235

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

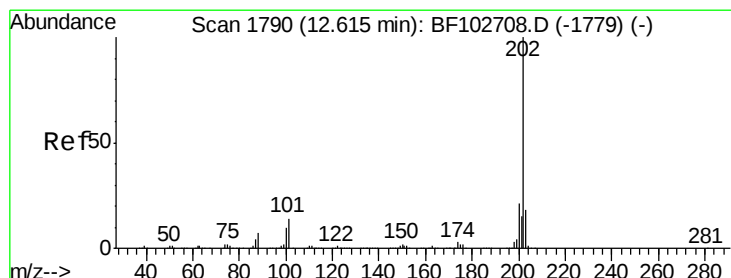
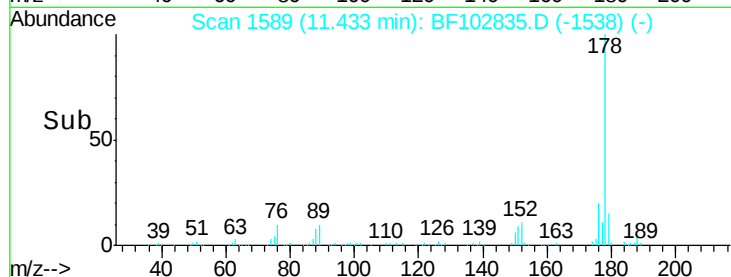
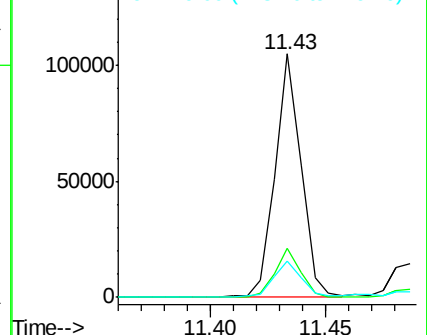
179 14.8 13.0 19.6



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: 5.54 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

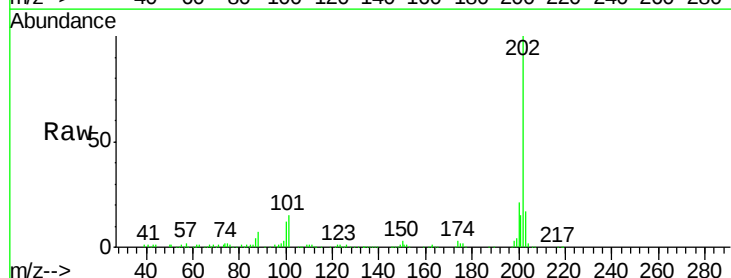
Tgt Ion:202 Resp: 140439

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.1

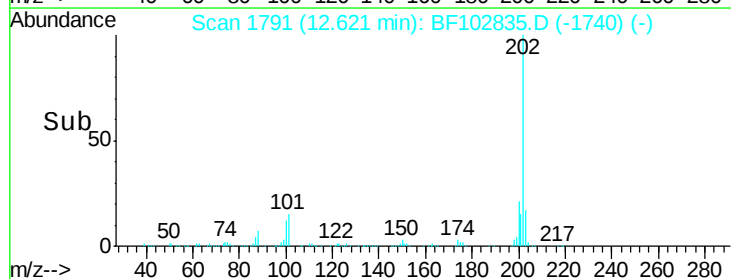
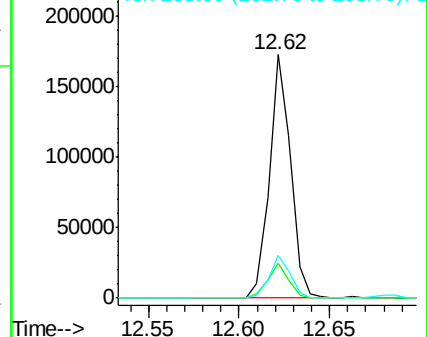
203 17.5 0.0 38.1

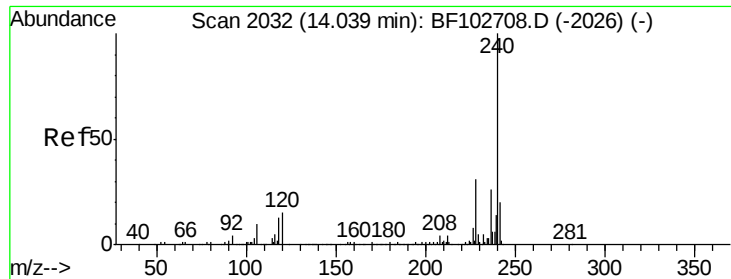


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

Instrument :

BNA_F

ClientSampleId :

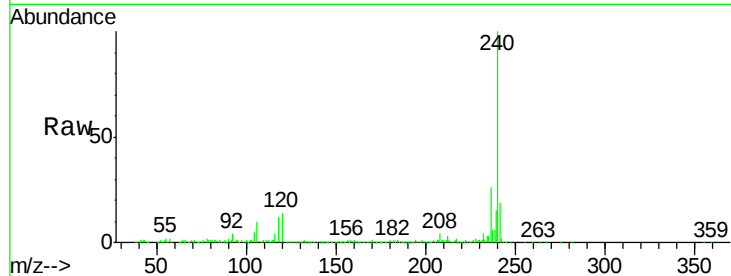
Tot Ion:240 Resp: 349894

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

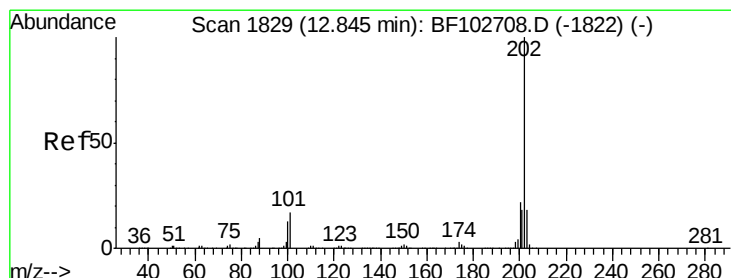
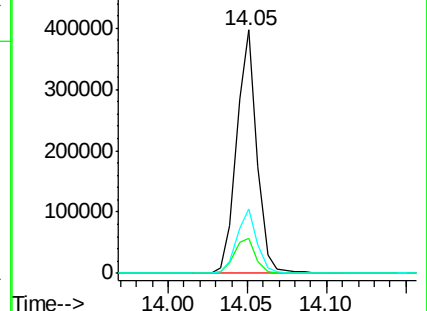
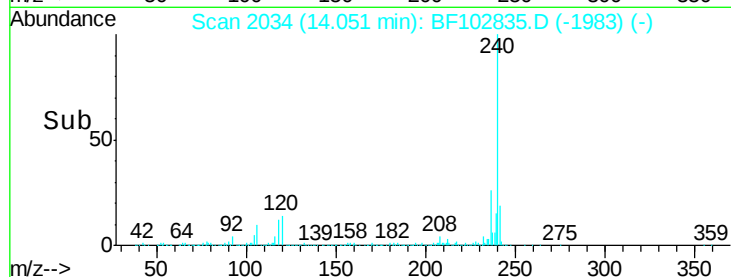
236 26.4 20.7 31.1



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: 4.17 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

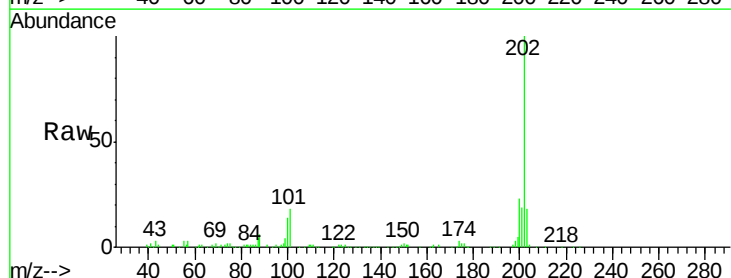
Tgt Ion:202 Resp: 114446

Ion Ratio Lower Upper

202 100

200 22.9 17.4 26.2

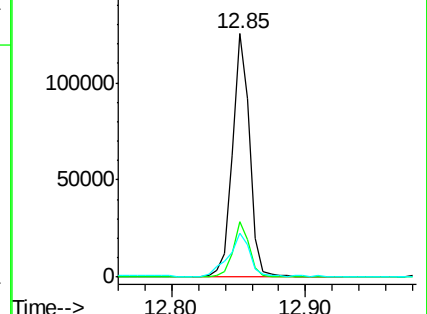
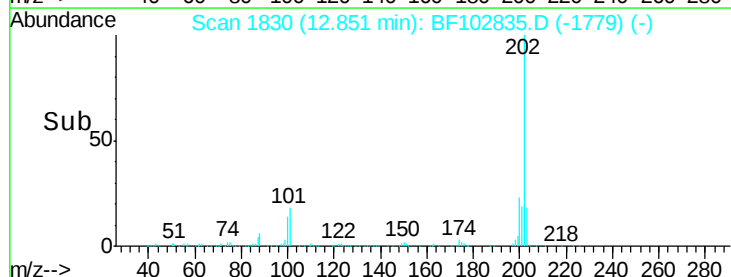
203 18.2 14.3 21.5

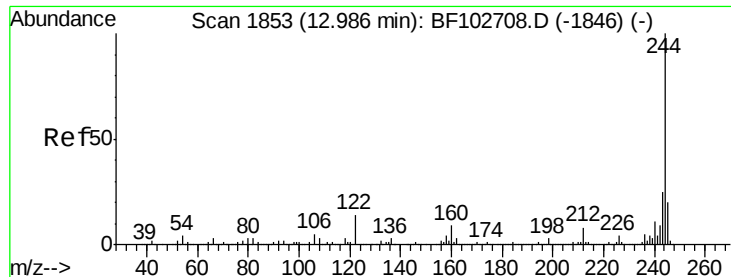


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.56 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

Instrument :

BNA_F

ClientSampleId :

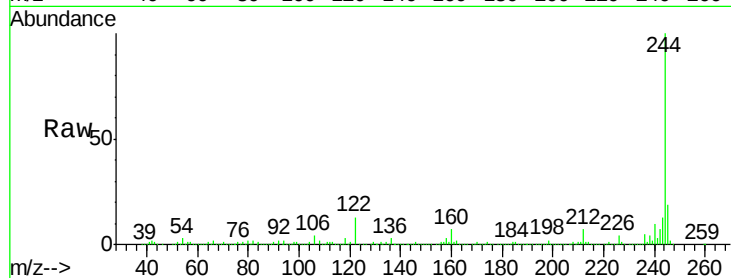
Tot Ion:244 Resp: 1116523

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

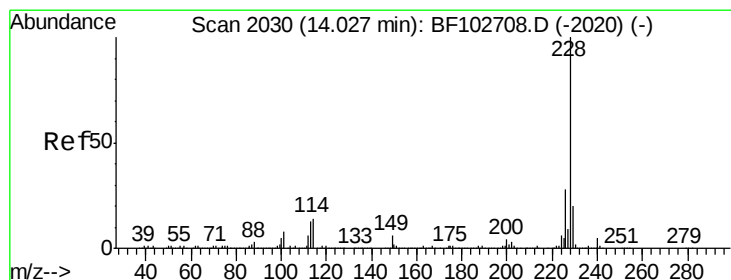
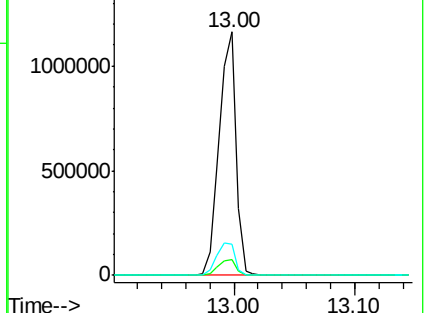
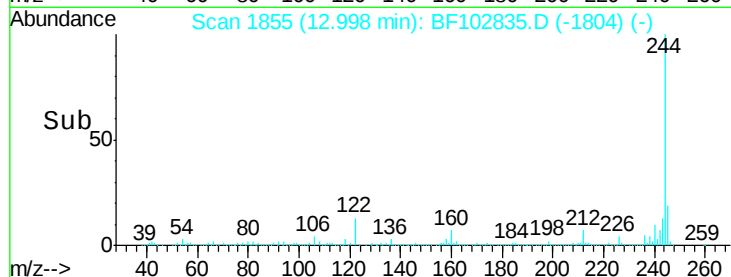
122 13.0 11.0 16.4



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: 2.01 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

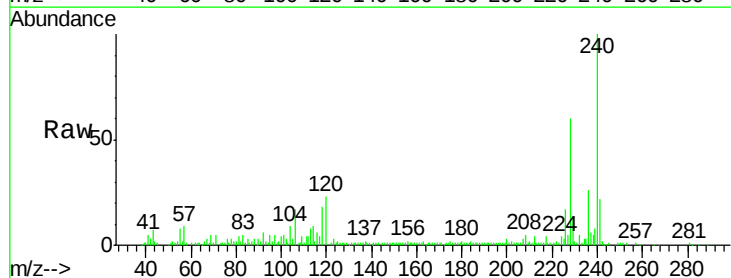
Tgt Ion:228 Resp: 44249

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

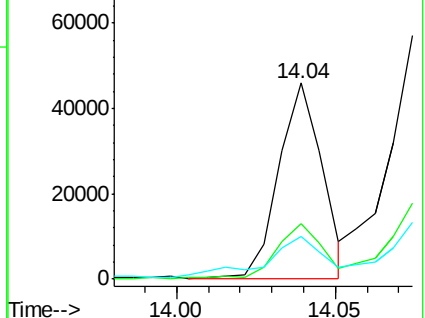
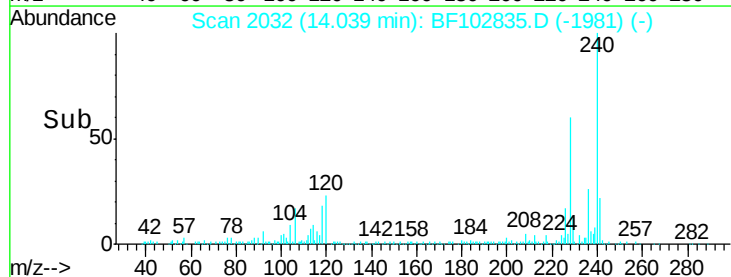
229 22.0 15.8 23.6

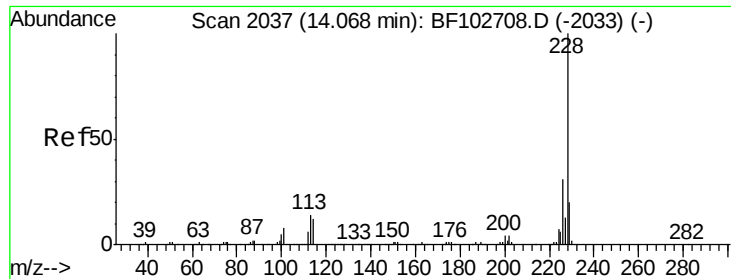


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.37 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

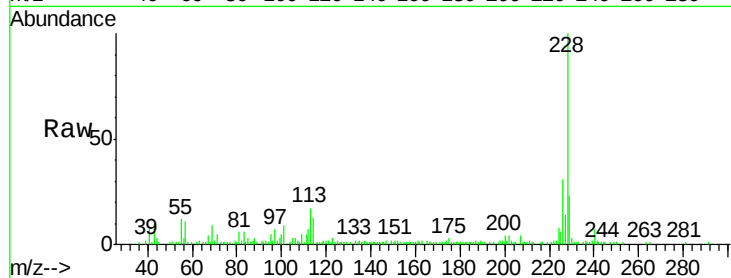
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 52489

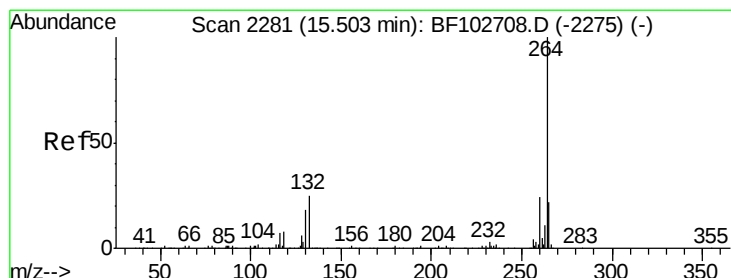
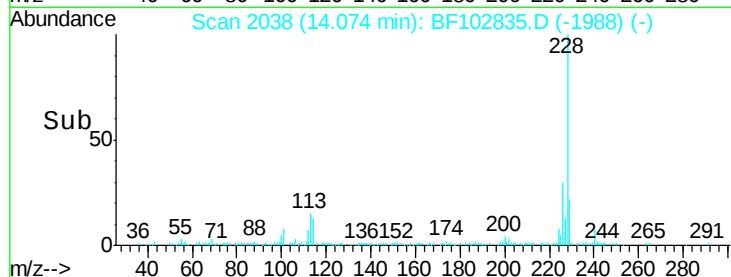
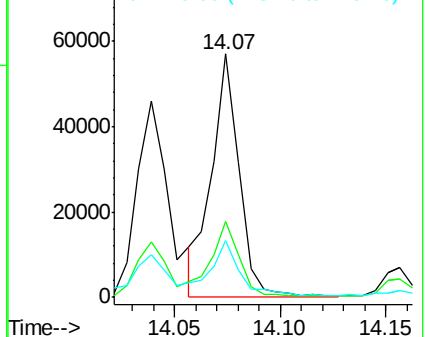
Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	23.2	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.53 min Scan# 2286

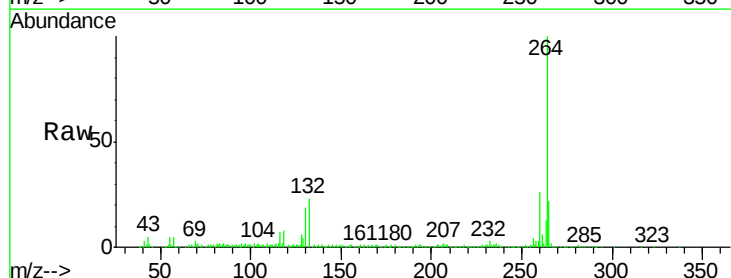
Delta R.T. 0.01 min

Lab File: BF102835.D

Acq: 8 Feb 2018 00:50

Tgt Ion:264 Resp: 272291

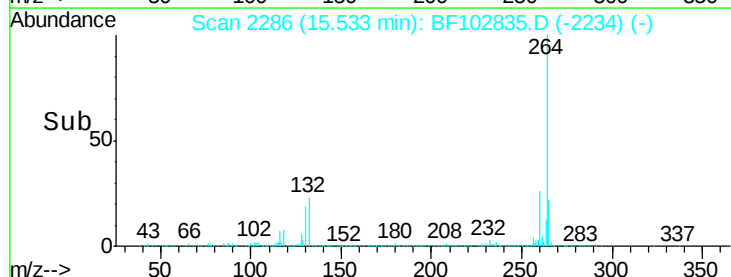
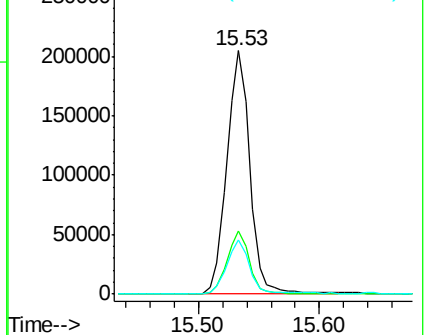
Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.2	28.8
265	22.4	17.5	26.3

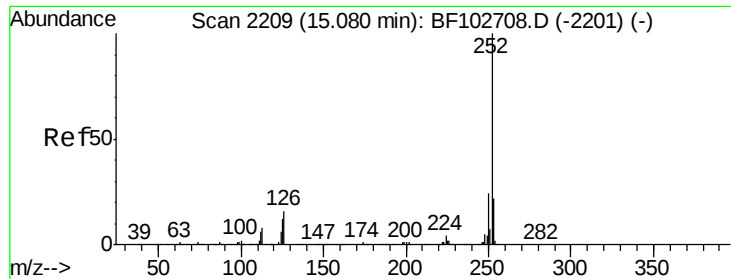


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

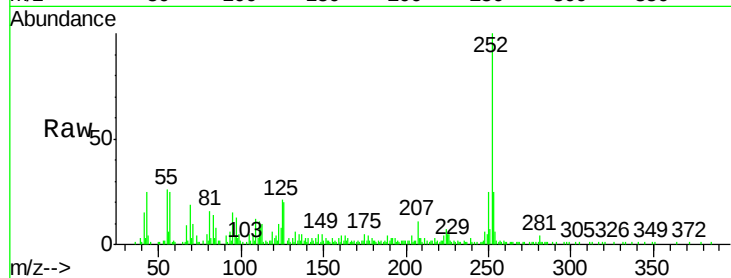




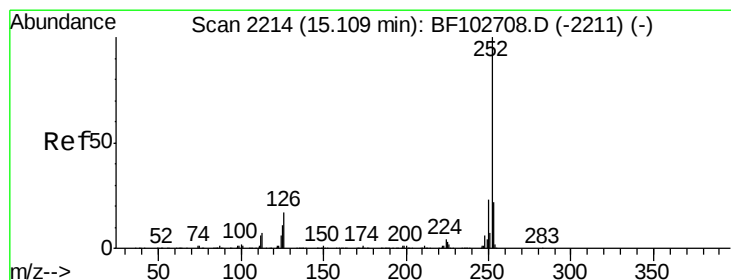
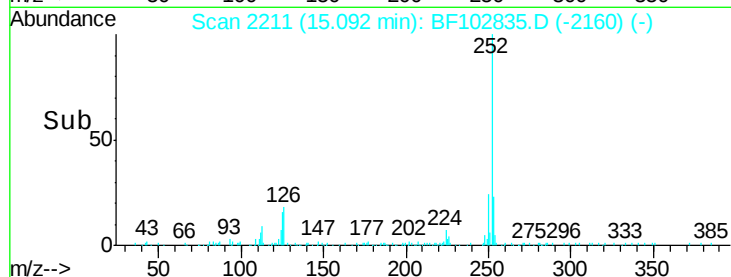
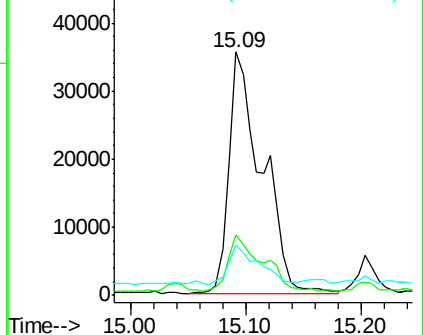
#87
Benzo(b)fluoranthene
Concen: 3.97 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 70170
Ion Ratio Lower Upper
252 100
253 24.7 17.0 25.6
125 20.6 9.0 13.6#

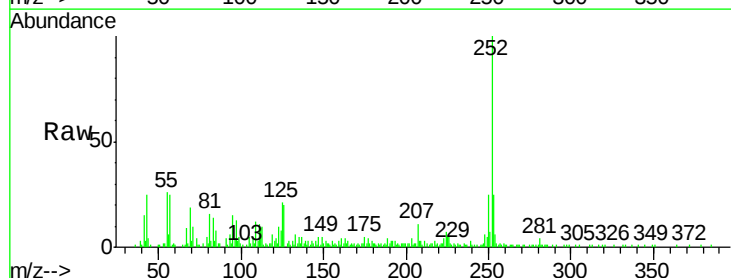


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 4.16 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF102835.D
Acq: 8 Feb 2018 00:50

Tgt Ion:252 Resp: 70170
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 20.6 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

