

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021618\
 Data File : BF103062.D
 Acq On : 16 Feb 2018 19:39
 Operator : SJ/JU
 Sample : J1584-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 23:18:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

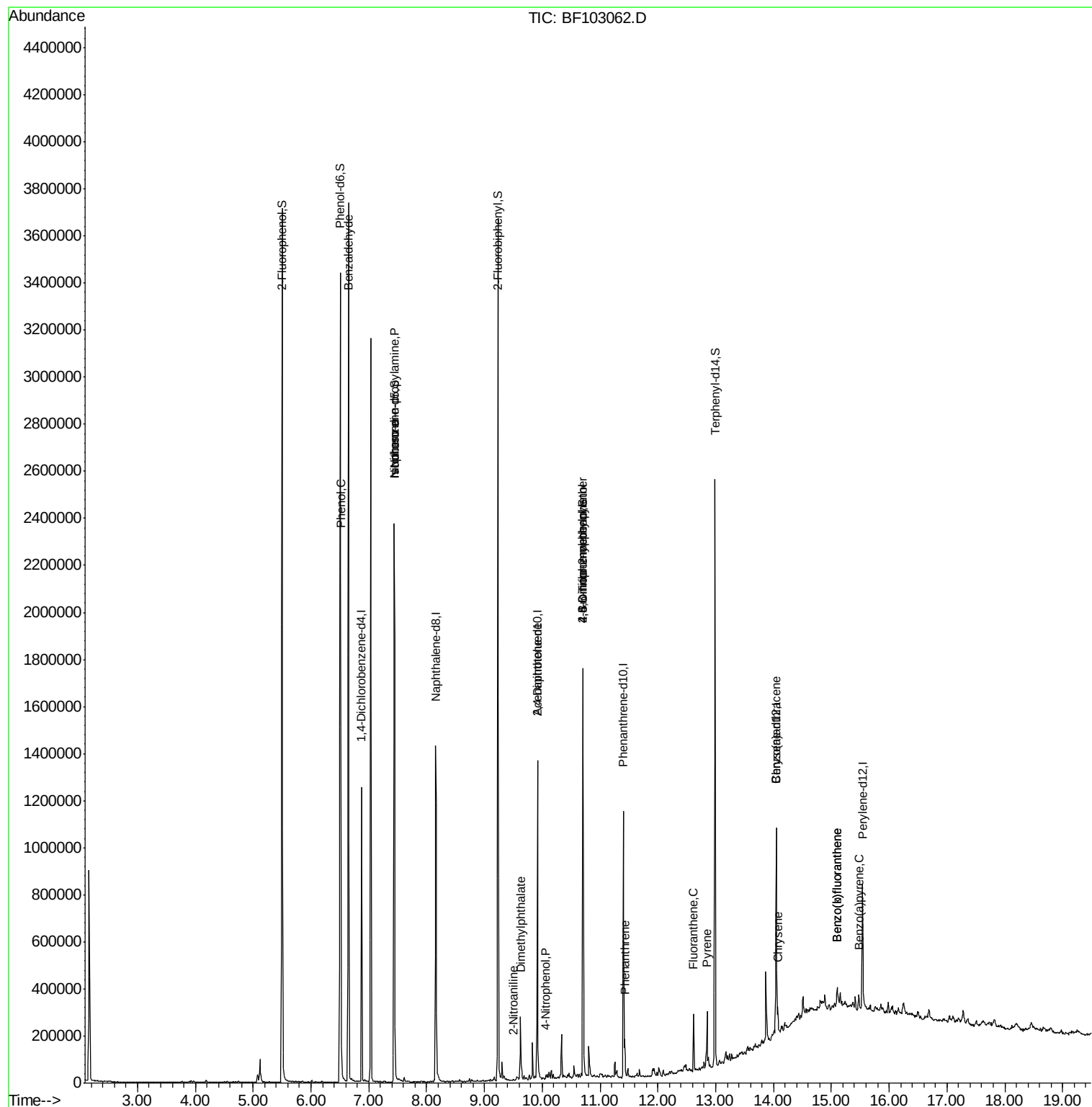
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	171503	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	662271	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	250753	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	378352	20.00	ng	0.00
75) Chrysene-d12	14.04	240	286908	20.00	ng	-0.01
86) Perylene-d12	15.54	264	232634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1111757	98.45	ng	0.01
7) Phenol-d6	6.51	99	1314444	96.67	ng	0.00
23) Nitrobenzene-d5	7.44	82	801348	83.94	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	194601	96.42	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1118816	74.04	ng	0.00
78) Terphenyl-d14	12.99	244	854089	70.49	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	22207	2.20	ng	86
10) Phenol	6.52	94	34296	2.35	ng	89
19) n-Nitroso-di-n-propylamine	7.44	70	105040	11.72	ng	# 84
25) Isophorone	7.44	82	801337	36.45	ng	# 64
47) 2-Nitroaniline	9.51	65	127	3.50	ng	# 2
49) Dimethylphthalate	9.62	163	93977	4.81	ng	100
55) 4-Nitrophenol	10.06	139	109	4.05	ng	# 19
56) 2,4-Dinitrotoluene	9.92	165	32198	9.12	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	464	9.06	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	13279	3.32	ng	# 1
70) Phenanthrene	11.43	178	50358	2.39	ng	97
74) Fluoranthene	12.62	202	92528	4.36	ng	96
77) Pyrene	12.85	202	89278	3.97	ng	98
80) Benzo(a)anthracene	14.04	228	41711	2.31	ng	93
82) Chrysene	14.07	228	42414	2.33	ng	96
87) Benzo(b)fluoranthene	15.10	252	56367	3.74	ng	# 86
88) Benzo(k)fluoranthene	15.10	252	56367	3.91	ng	# 89
89) Benzo(a)pyrene	15.47	252	28919	2.13	ng	# 91

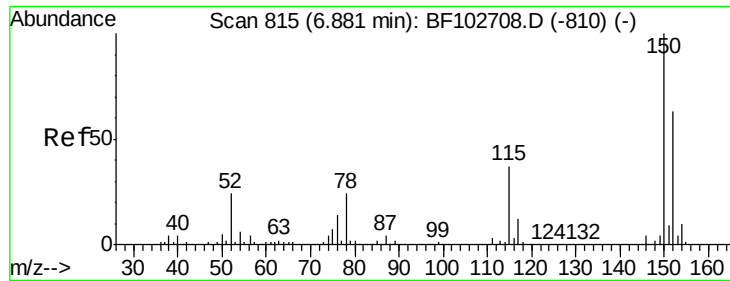
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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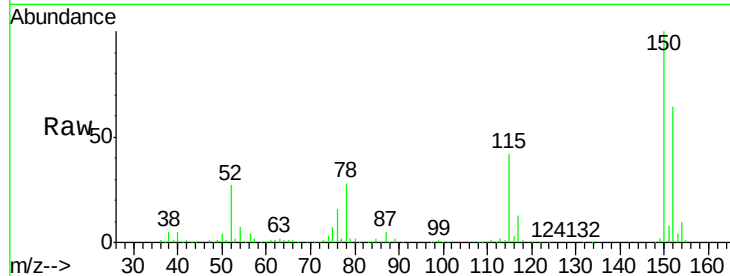


#1

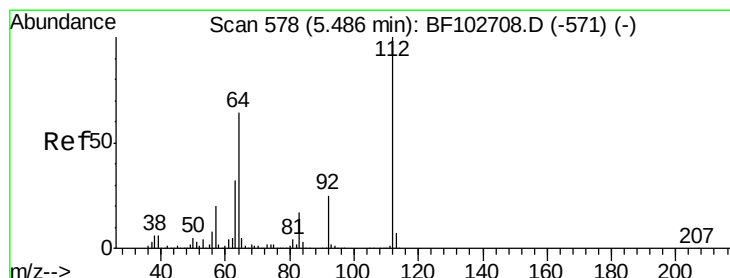
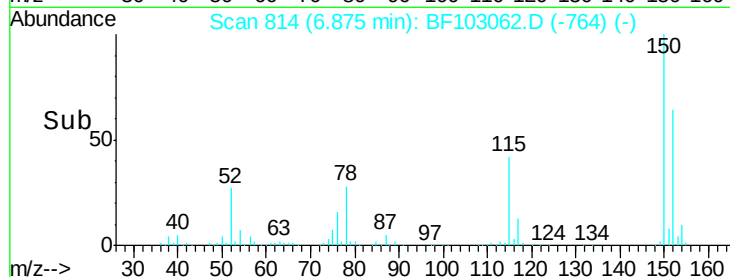
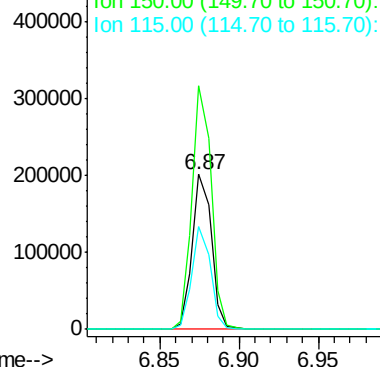
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171503
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 66.5 50.1 75.1



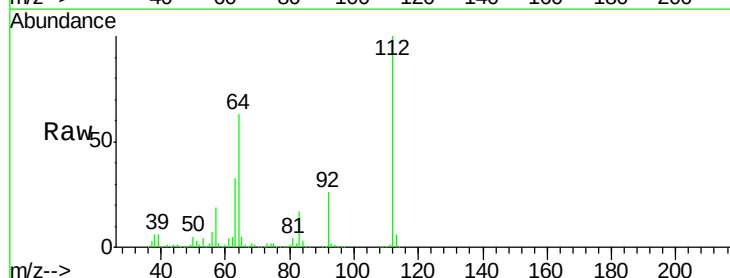
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



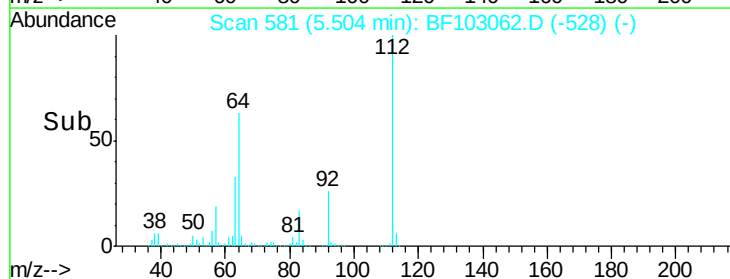
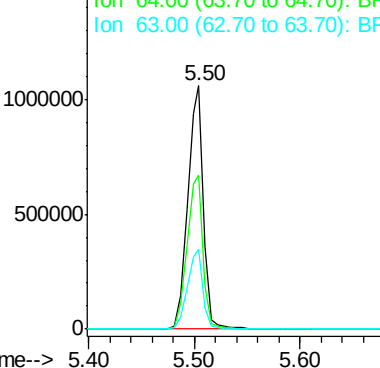
#5

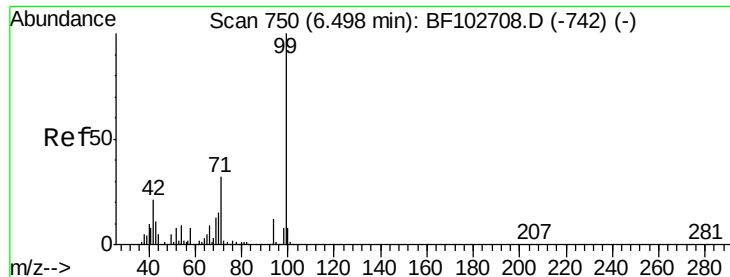
2-Fluorophenol
Concen: 98.45 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Tgt Ion:112 Resp: 1111757
Ion Ratio Lower Upper
112 100
64 63.4 47.9 71.9
63 32.8 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: 96.67 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103062.D

Acq: 16 Feb 2018 19:39

Instrument :

BNA_F

ClientSampleId :

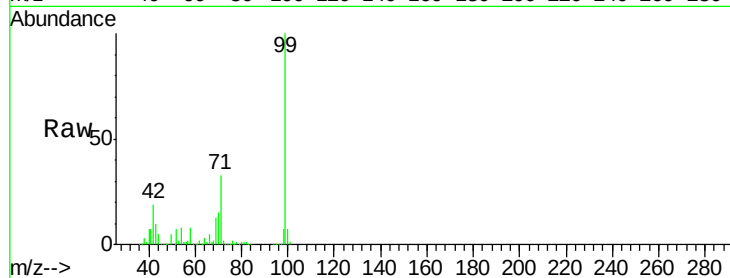
Tot Ion: 99 Resp: 1314444

Ion Ratio Lower Upper

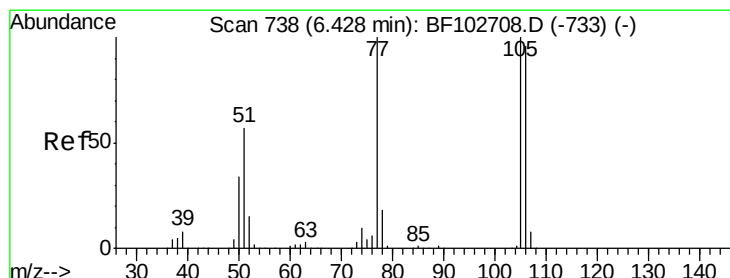
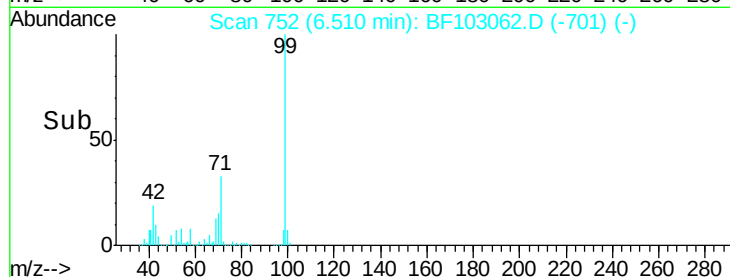
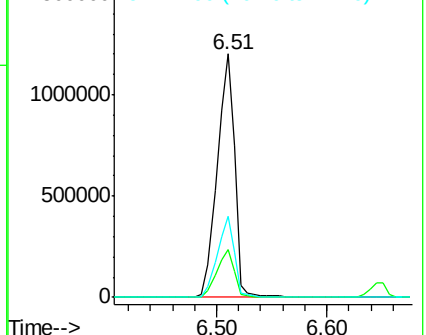
99 100

42 19.4 14.5 21.7

71 33.1 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: 2.20 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103062.D

Acq: 16 Feb 2018 19:39

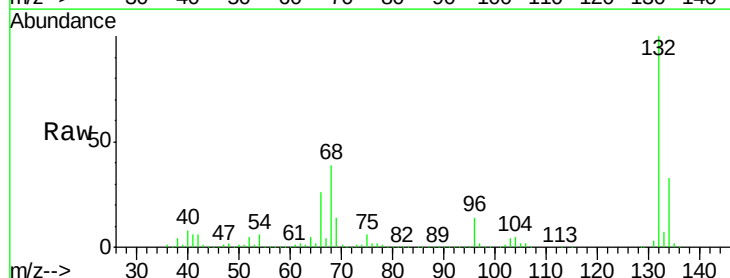
Tgt Ion: 77 Resp: 22207

Ion Ratio Lower Upper

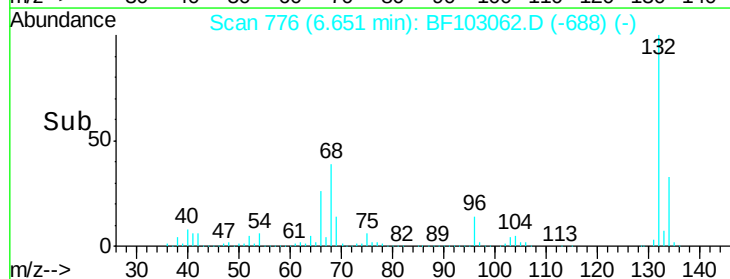
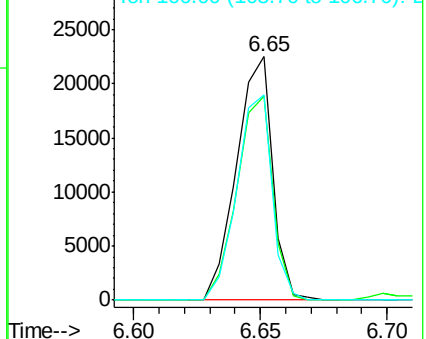
77 100

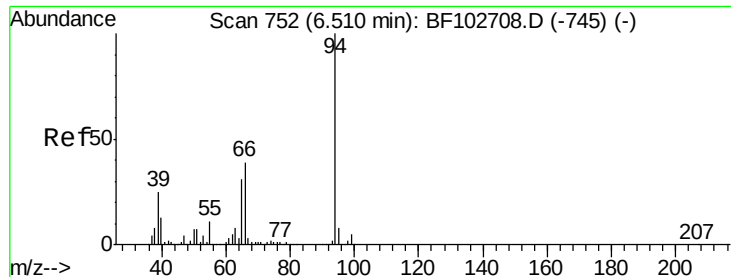
105 83.6 81.1 121.1

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

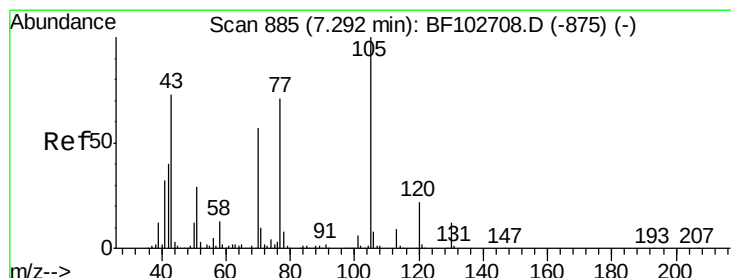
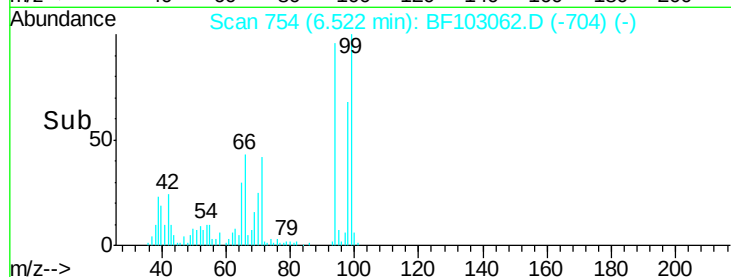
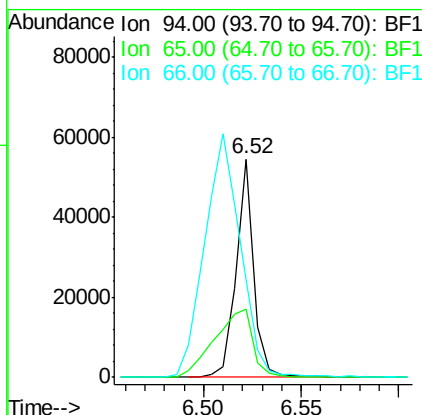
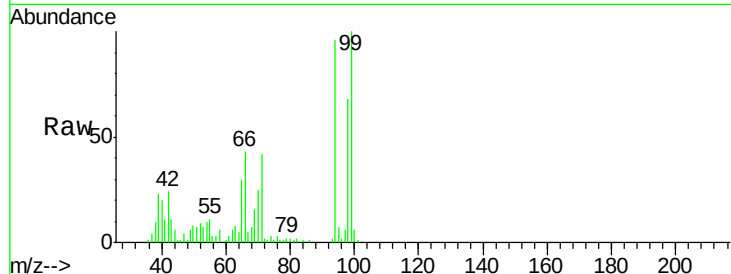




#10
Phenol
Concen: 2.35 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

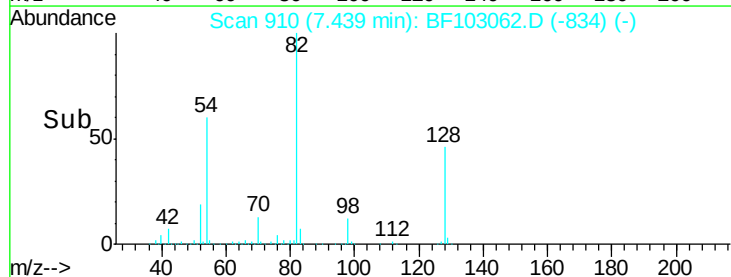
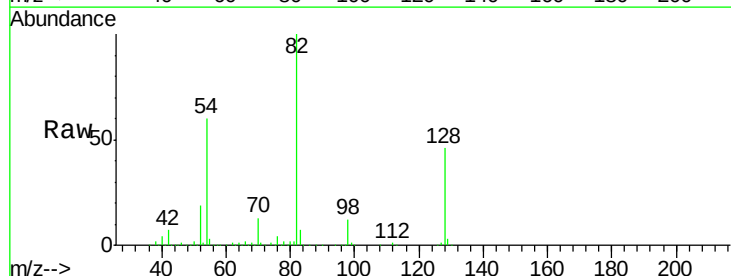
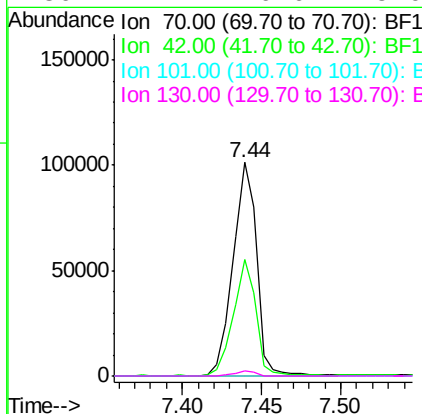
Instrument :
BNA_F
ClientSampleId :

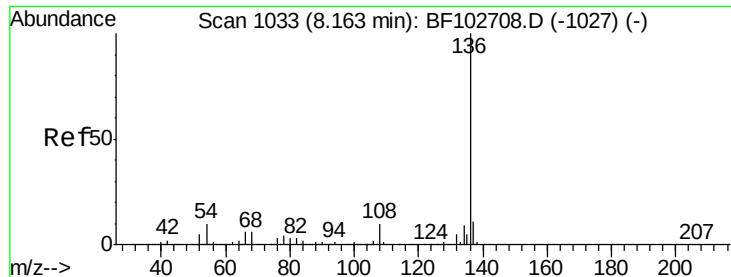
Tot Ion: 94 Resp: 34296
Ion Ratio Lower Upper
94 100
65 31.2 7.9 47.9
66 44.5 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.72 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Tgt Ion: 70 Resp: 105040
Ion Ratio Lower Upper
70 100
42 54.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#

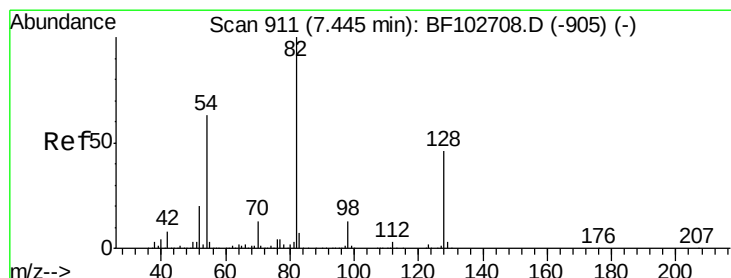
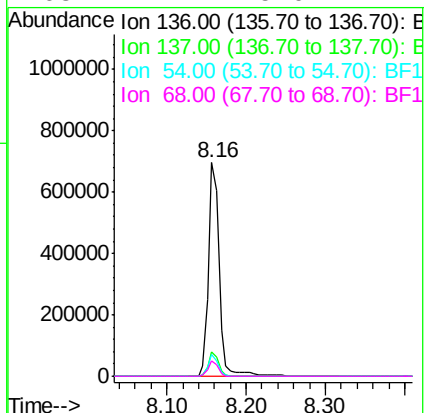
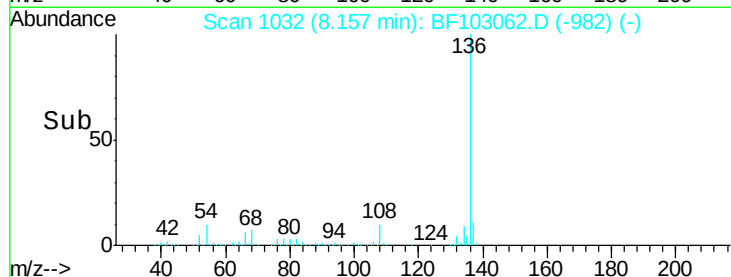
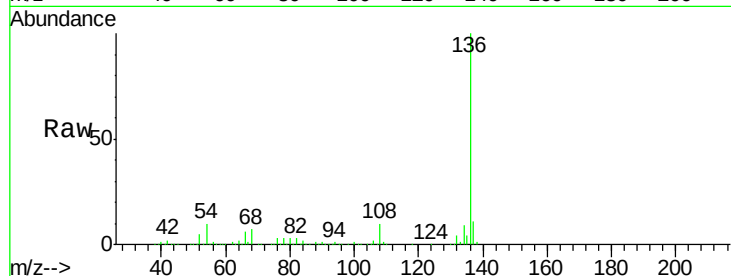




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

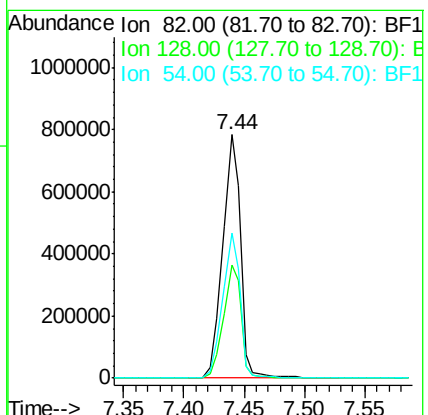
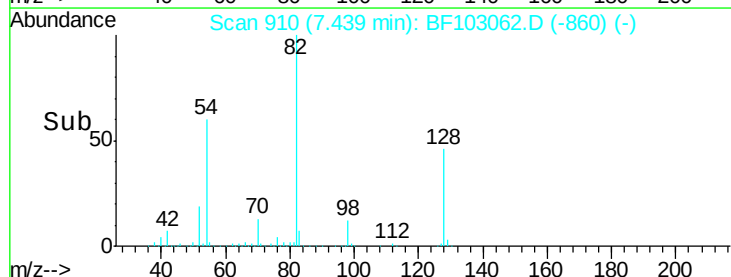
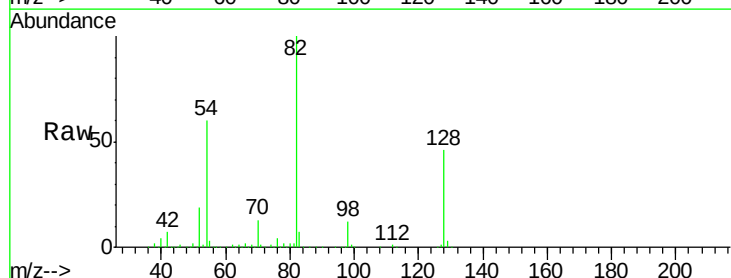
Instrument :
BNA_F
ClientSampleId :

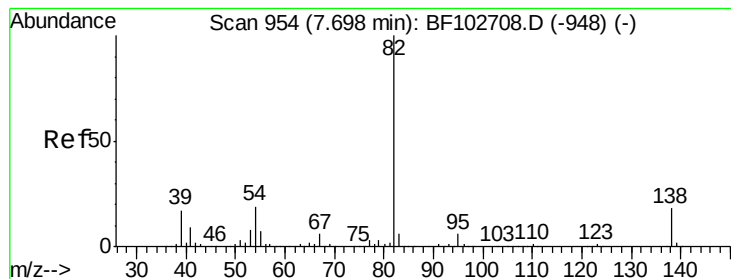
Tot Ion:136	Resp:	662271
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.9 13.3
54	10.3	6.6 9.8#
68	7.1	5.0 7.4



#23
Nitrobenzene-d5
Concen: 83.94 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Tgt Ion: 82	Resp:	801348
Ion	Ratio	Lower Upper
82	100	
128	46.2	36.1 54.1
54	59.8	41.4 62.2





#25

Isophorone

Concen: 36.45 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103062.D

Acq: 16 Feb 2018 19:39

Instrument :

BNA_F

ClientSampleId :

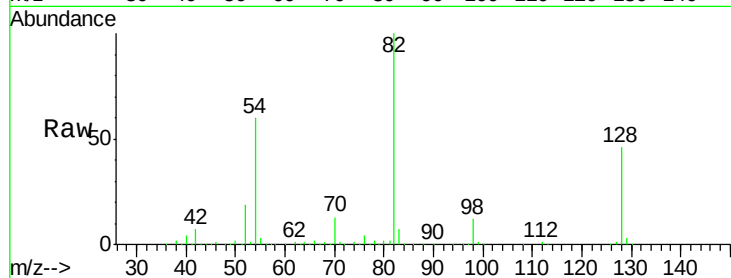
Tot Ion: 82 Resp: 801337

Ion Ratio Lower Upper

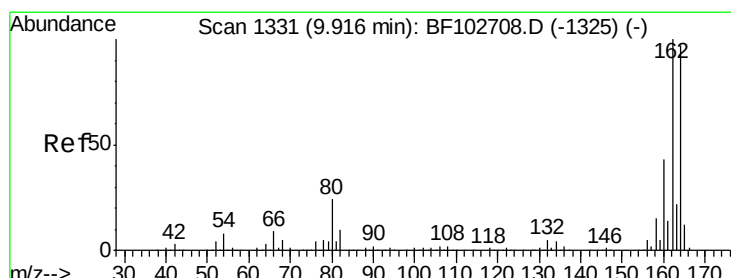
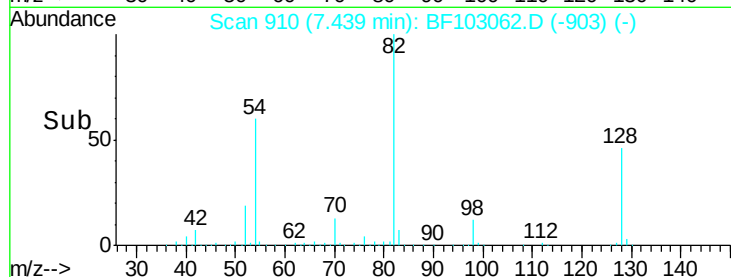
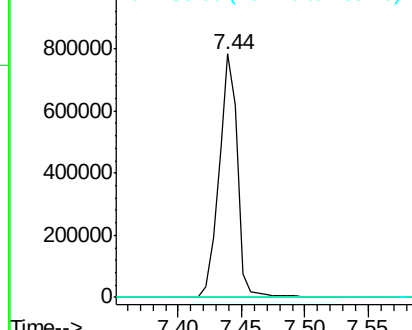
82 100

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# 1331

Delta R.T. -0.01 min

Lab File: BF103062.D

Acq: 16 Feb 2018 19:39

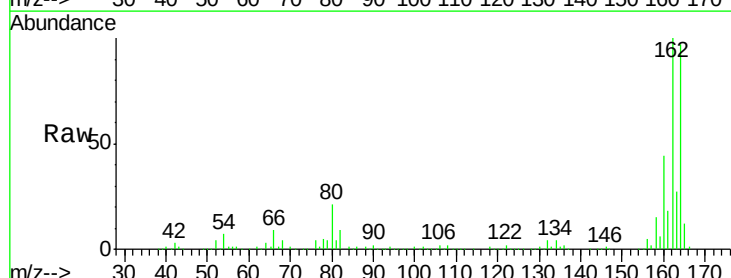
Tgt Ion: 164 Resp: 250753

Ion Ratio Lower Upper

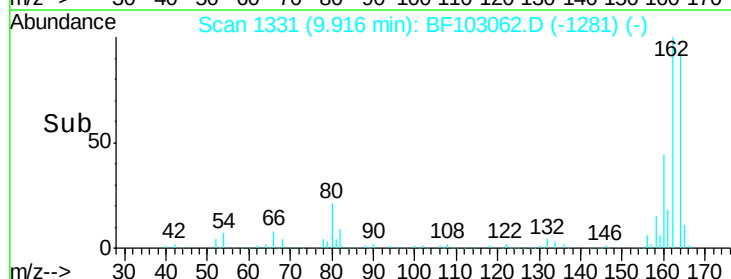
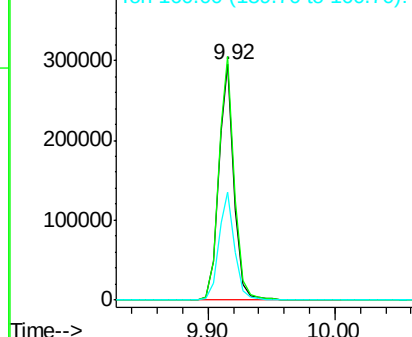
164 100

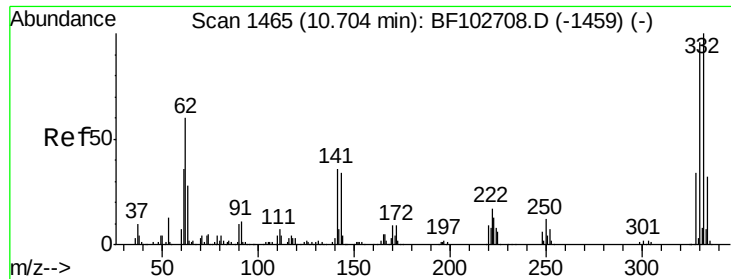
162 103.4 86.1 129.1

160 45.8 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

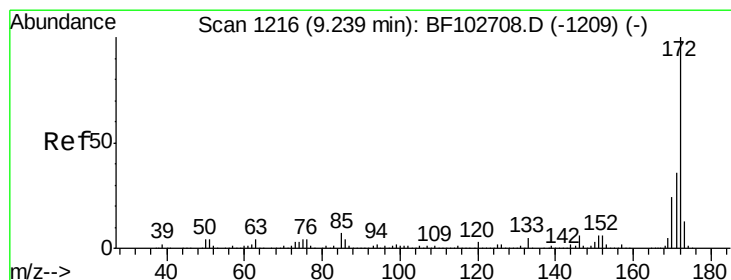
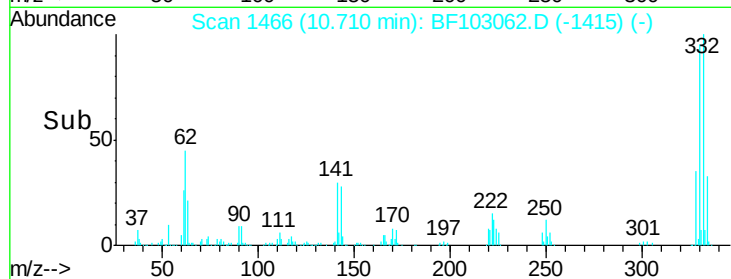
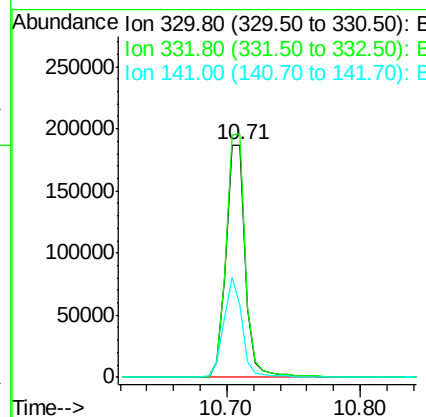
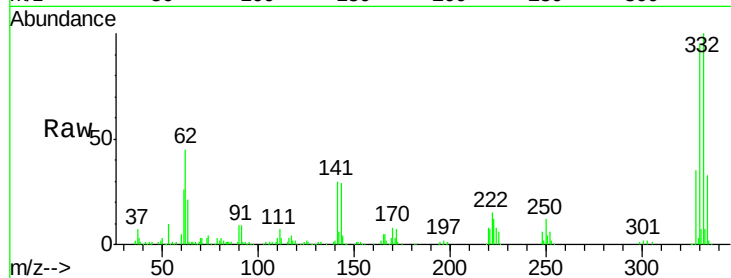




#41
 2,4,6-Tribromophenol
 Concen: 96.42 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103062.D
 Acq: 16 Feb 2018 19:39

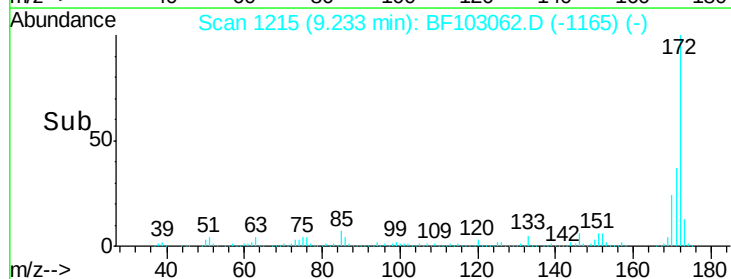
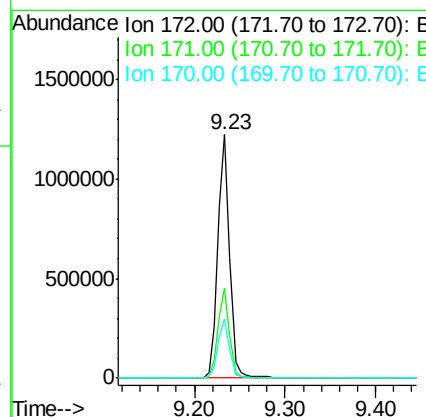
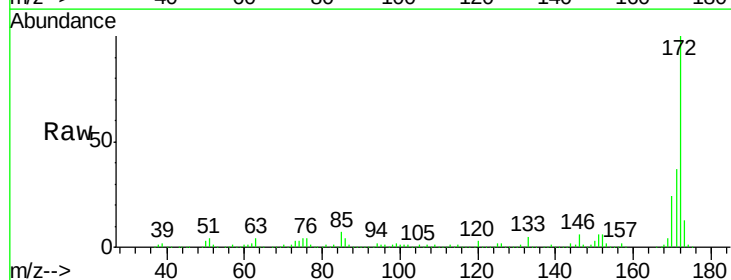
Instrument :
 BNA_F
 ClientSampled :

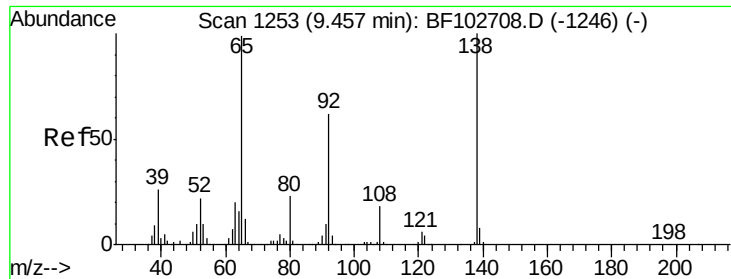
Tot Ion	Ratio	Lower	Upper
330	100		
332	103.7	77.0	115.6
141	41.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 74.04 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103062.D
 Acq: 16 Feb 2018 19:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	19.6	29.4





#47

2-Nitroaniline

Concen: 3.50 ng

RT: 9.51 min Scan# 1262

Delta R.T. 0.05 min

Lab File: BF103062.D

Acq: 16 Feb 2018 19:39

Instrument :

BNA_F

ClientSampleId :

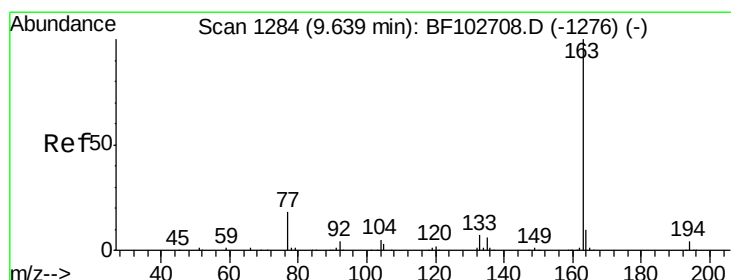
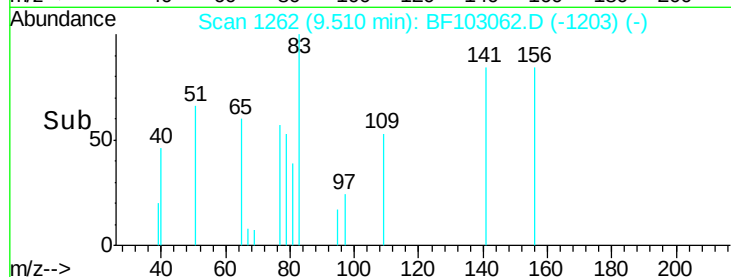
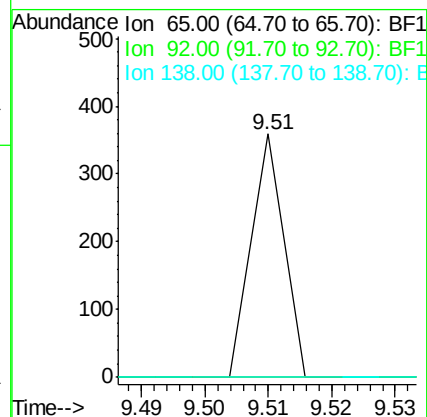
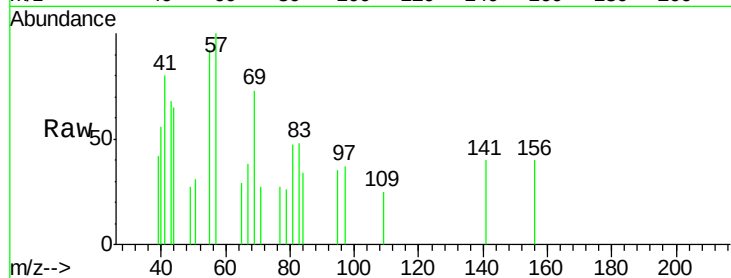
Tot Ion: 65 Resp: 127

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 4.81 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103062.D

Acq: 16 Feb 2018 19:39

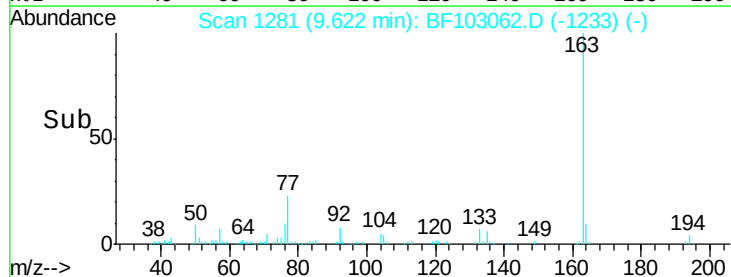
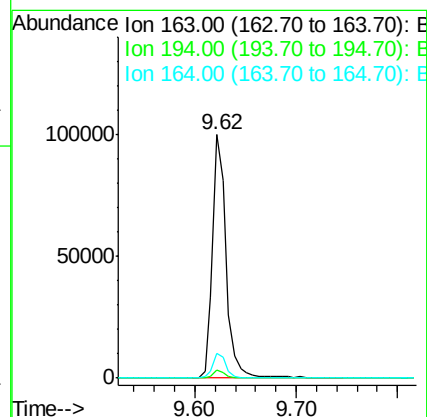
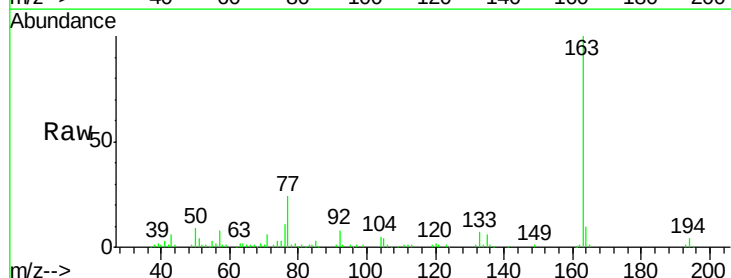
Tgt Ion: 163 Resp: 93977

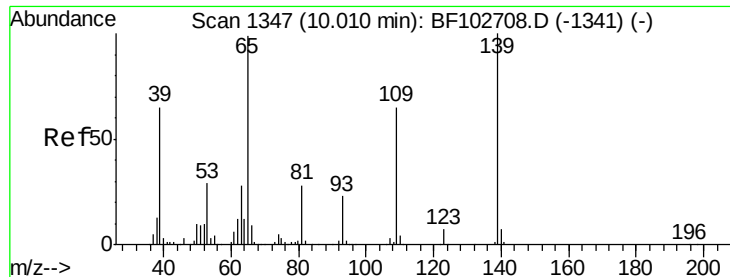
Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

164 10.3 8.2 12.2

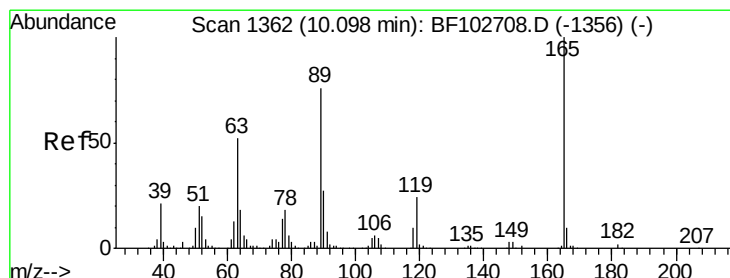
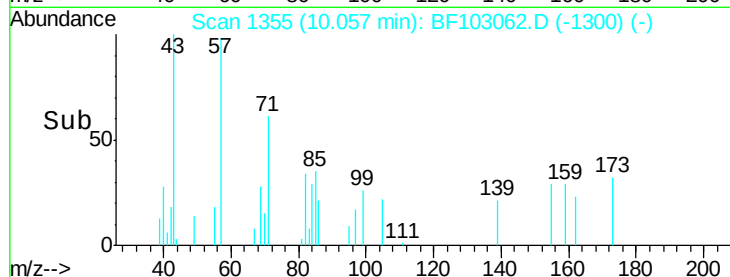
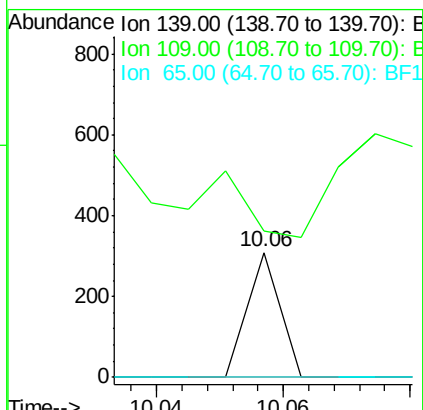
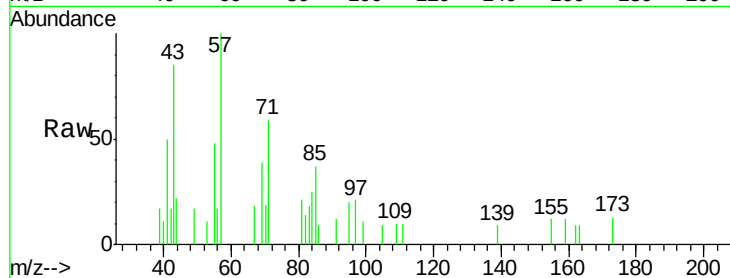




#55
4-Nitrophenol
Concen: 4.05 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.02 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

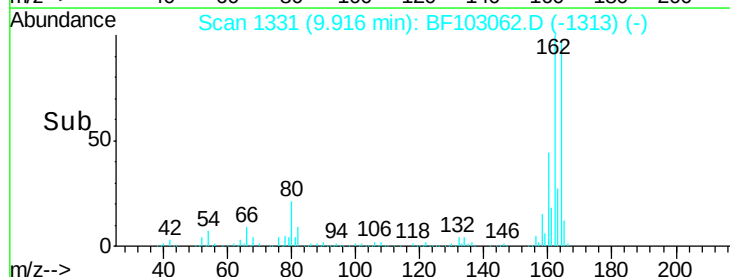
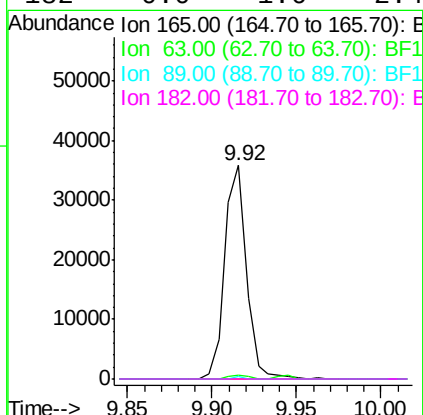
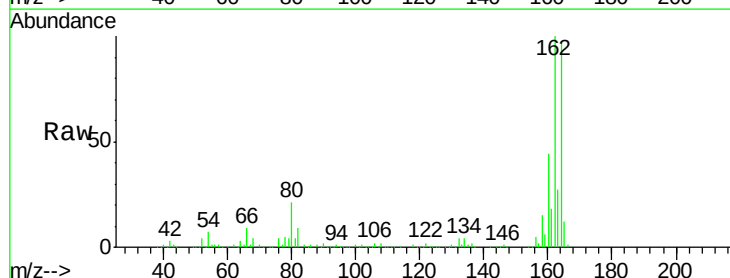
Instrument :
BNA_F
ClientSampled :

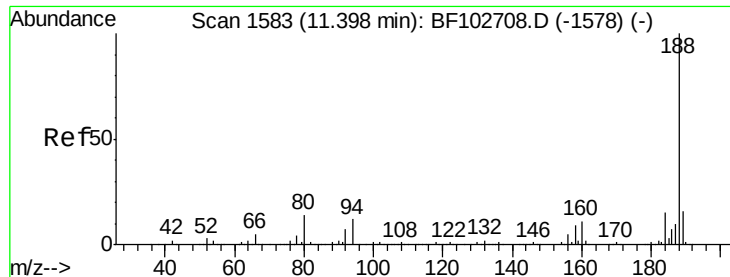
Tot Ion:139 Resp: 109
Ion Ratio Lower Upper
139 100
109 117.5 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.12 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Tgt Ion:165 Resp: 32198
Ion Ratio Lower Upper
165 100
63 1.9 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#

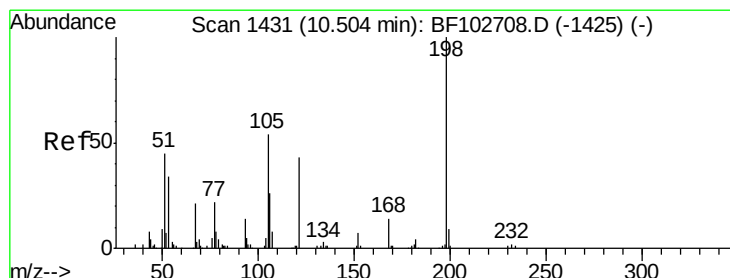
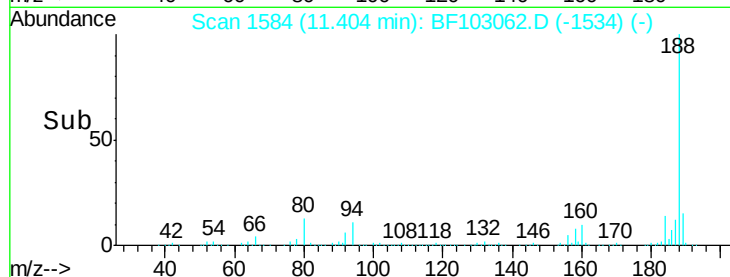
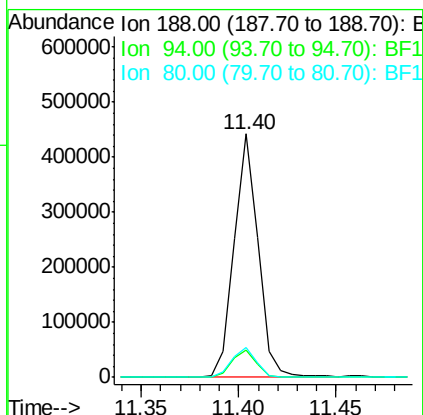
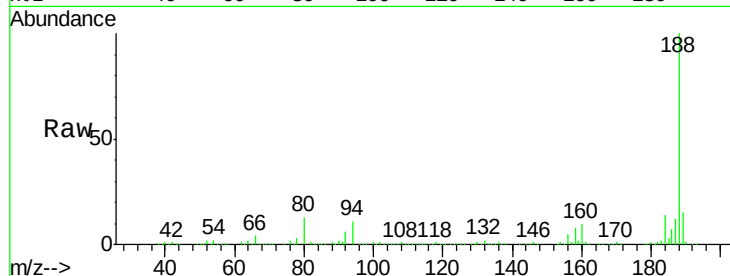




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

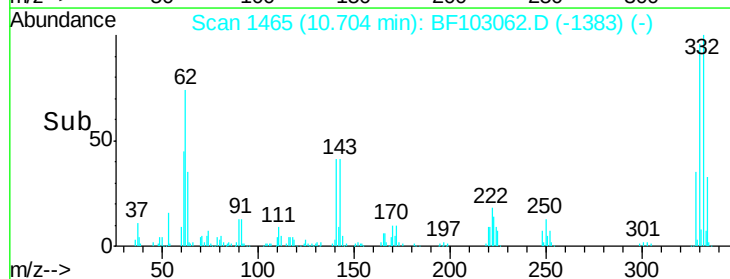
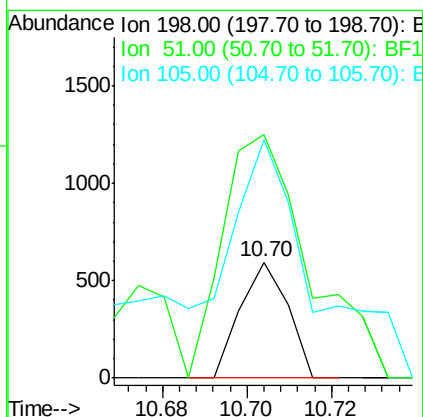
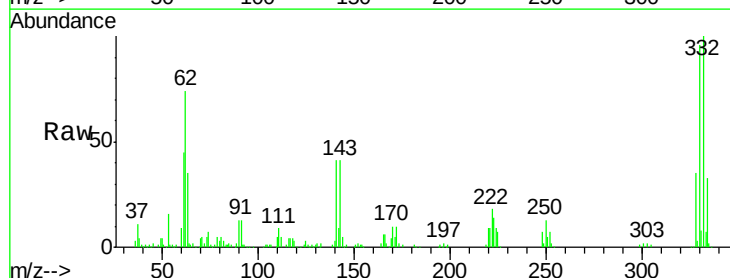
Instrument :
BNA_F
ClientSampled :

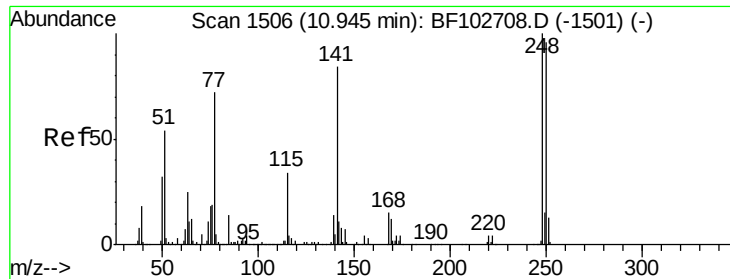
Tot Ion:188 Resp: 378352
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 12.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.06 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Tgt Ion:198 Resp: 464
Ion Ratio Lower Upper
198 100
51 210.1 37.7 77.7#
105 206.1 36.3 76.3#

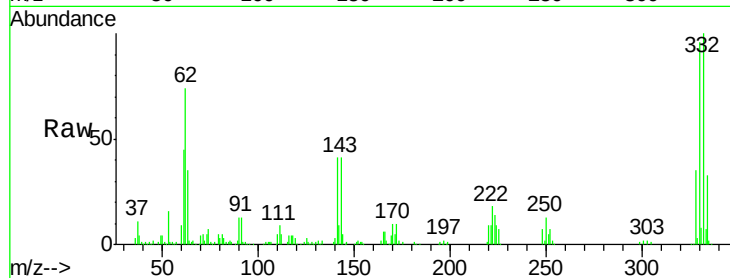




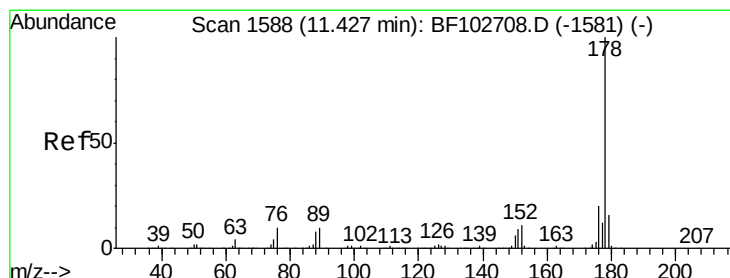
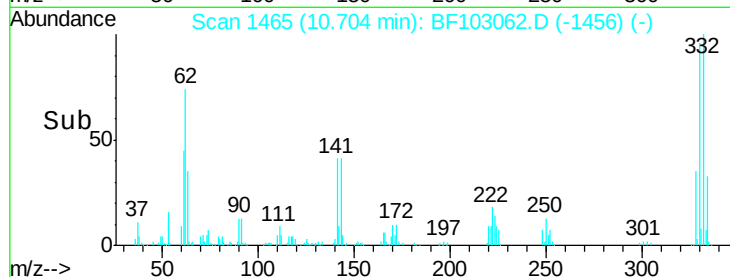
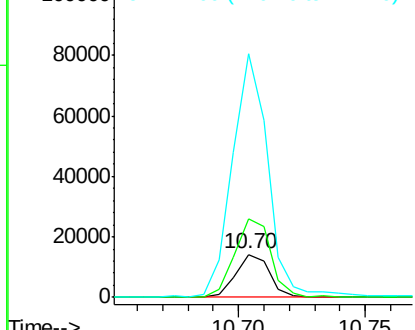
#66
 4-Bromophenyl-phenylether
 Concen: 3.32 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103062.D
 Acq: 16 Feb 2018 19:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13279
 Ion Ratio Lower Upper
 248 100
 250 181.7 76.9 115.3#
 141 564.6 74.4 111.6#

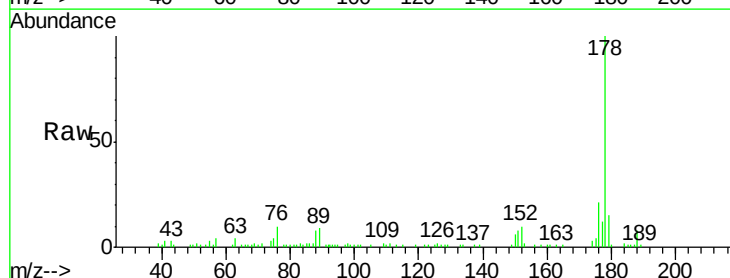


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

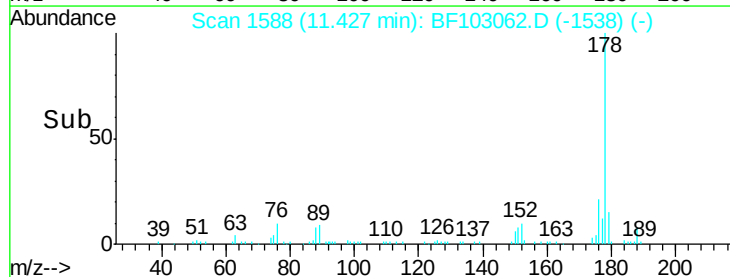
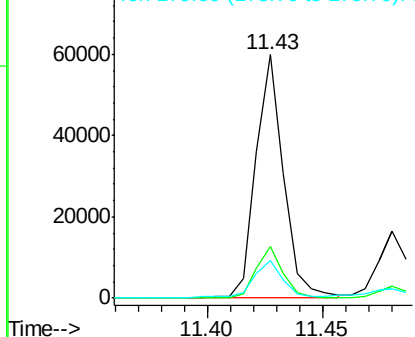


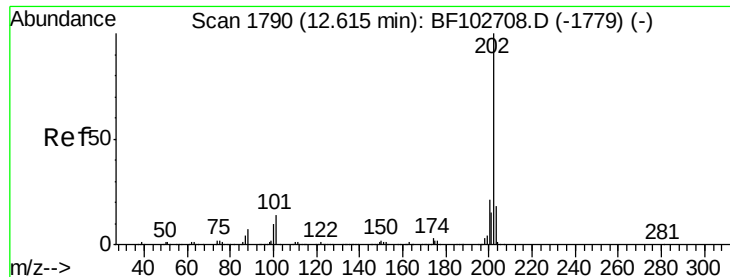
#70
 Phenanthrene
 Concen: 2.39 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF103062.D
 Acq: 16 Feb 2018 19:39

Tgt Ion:178 Resp: 50358
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.8 23.8
 179 15.2 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

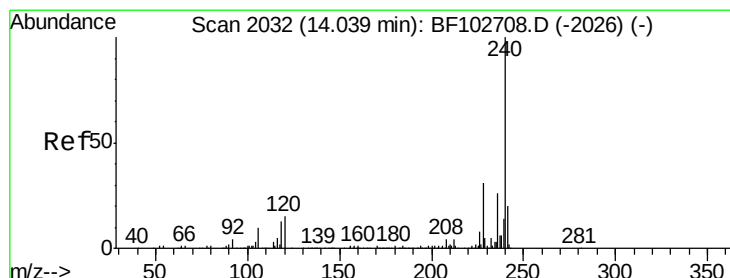
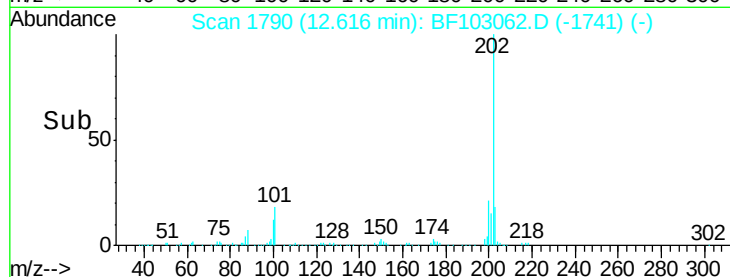
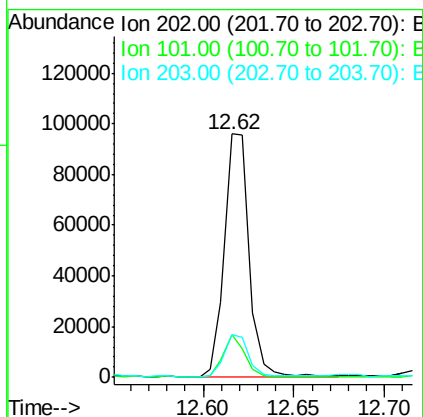
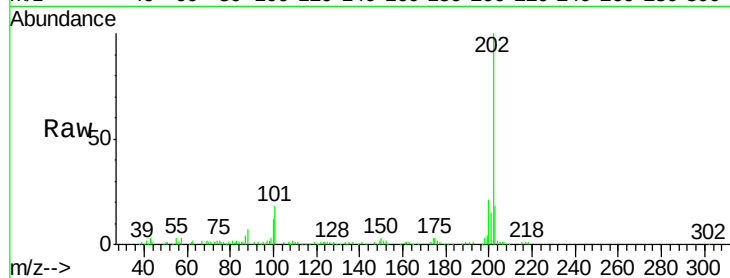




#74
Fluoranthene
Concen: 4.36 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

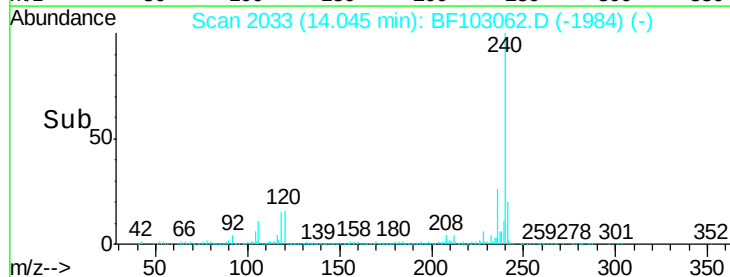
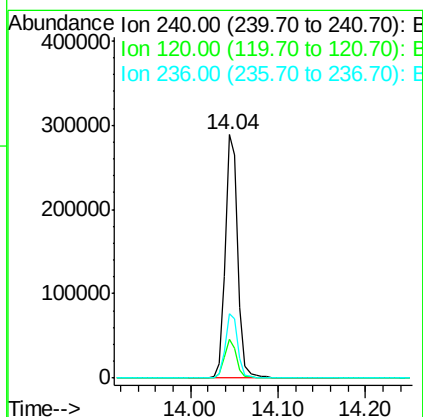
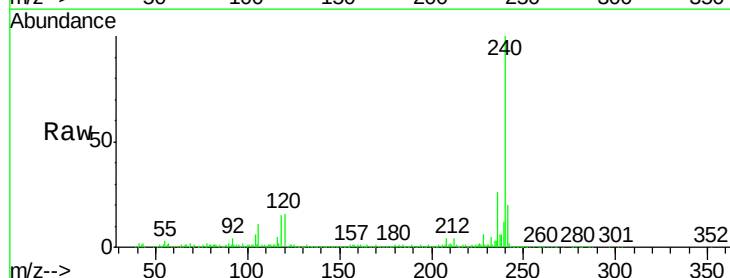
Instrument :
BNA_F
ClientSampleId :

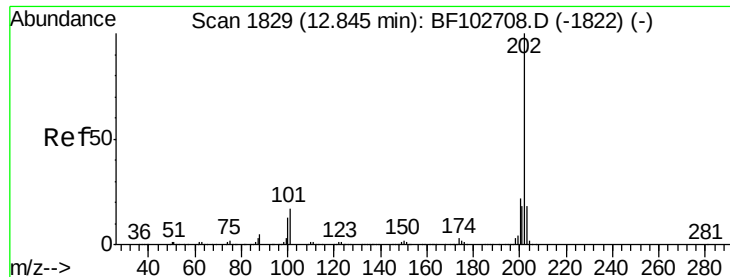
Tot Ion	Ratio	Lower	Upper
202	100		
101	17.6	0.0	34.1
203	17.5	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.1	9.5	14.3#
236	26.2	20.7	31.1





#77

Pvrene

Concen: 3.97 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103062.D

Acq: 16 Feb 2018 19:39

Instrument :

BNA_F

ClientSampleId :

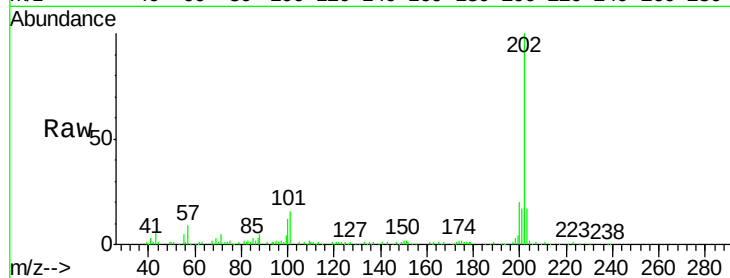
Tot Ion:202 Resp: 89278

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

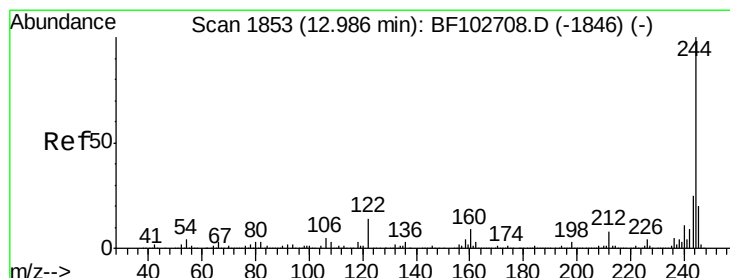
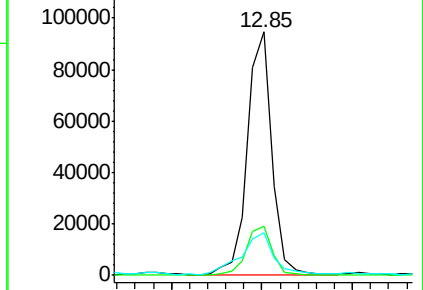
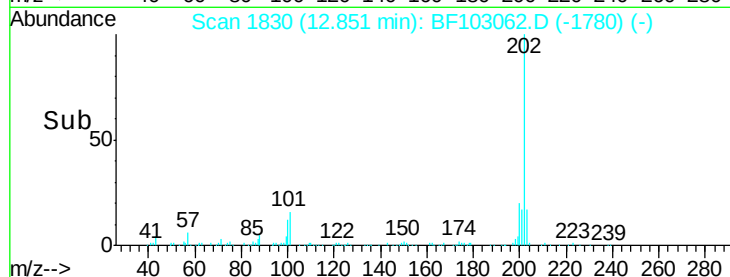
203 17.4 14.3 21.5



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: 70.49 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103062.D

Acq: 16 Feb 2018 19:39

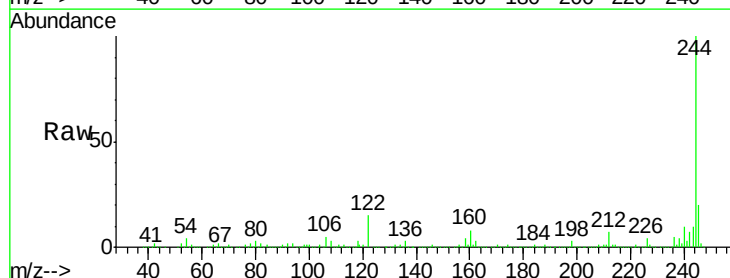
Tgt Ion:244 Resp: 854089

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

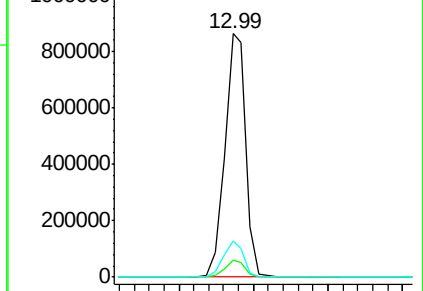
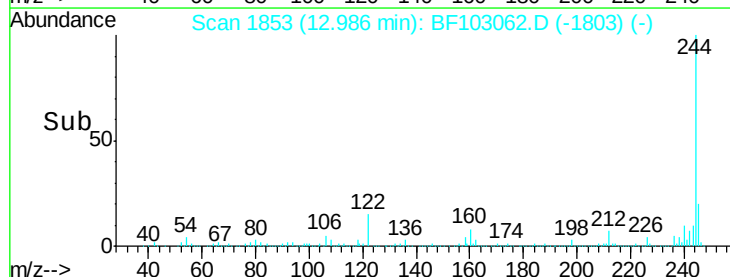
122 15.0 11.0 16.4

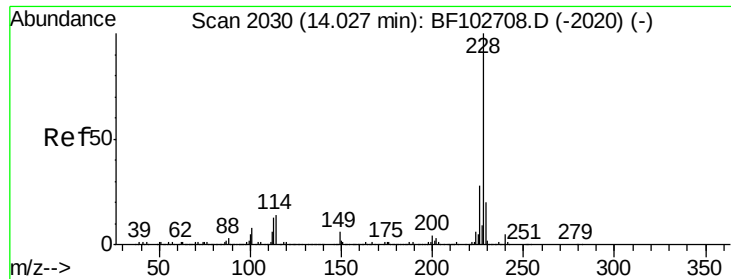


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

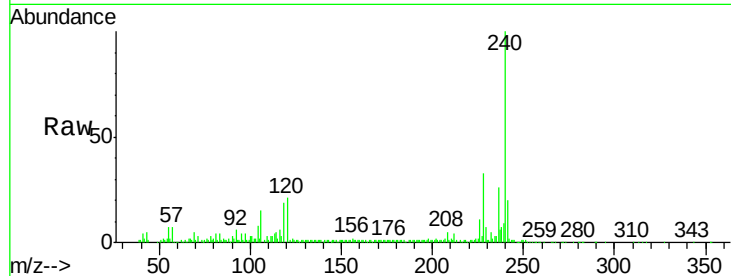




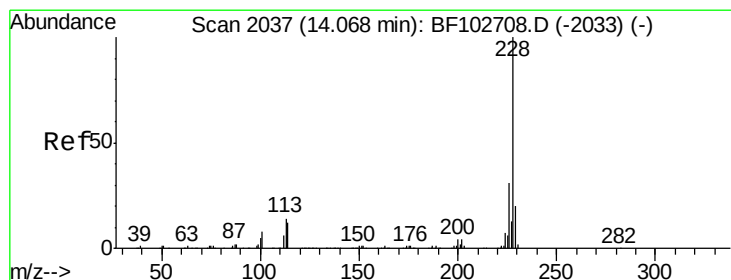
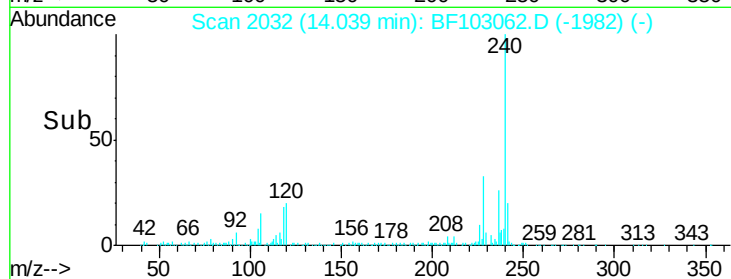
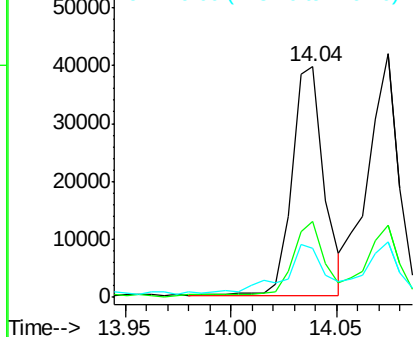
#80
Benzo(a)anthracene
Concen: 2.31 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 41711
Ion Ratio Lower Upper
228 100
226 33.1 22.6 33.8
229 21.2 15.8 23.6

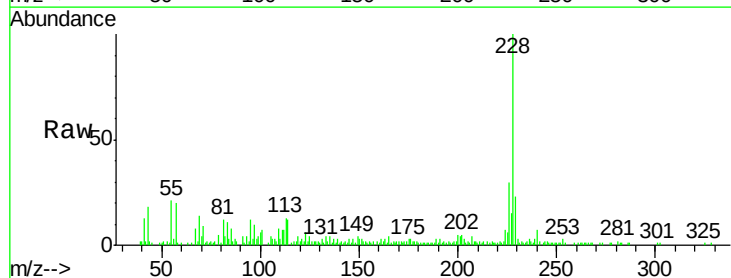


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

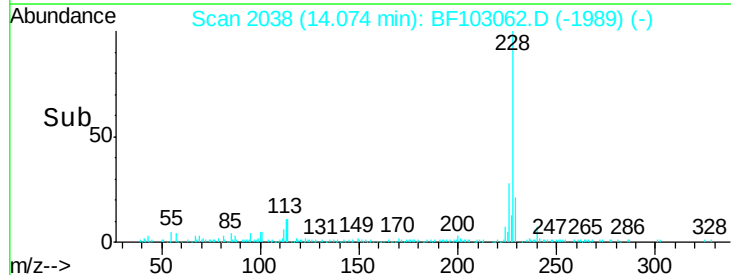
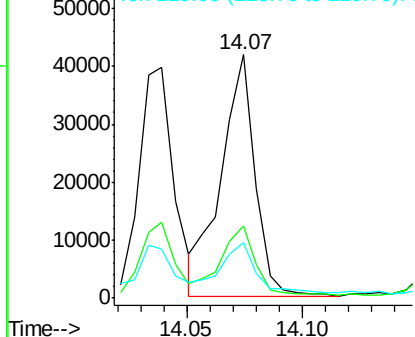


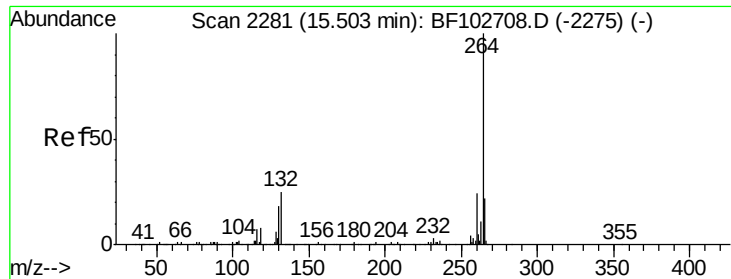
#82
Chrysene
Concen: 2.33 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Tgt Ion:228 Resp: 42414
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 22.7 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

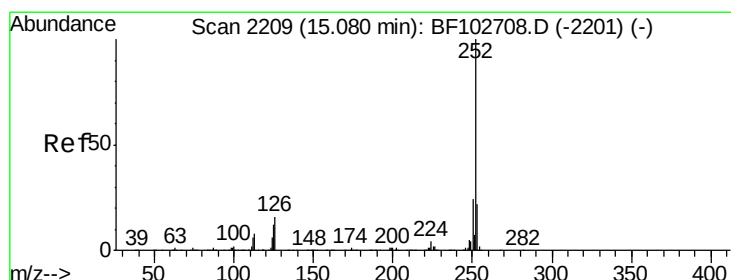
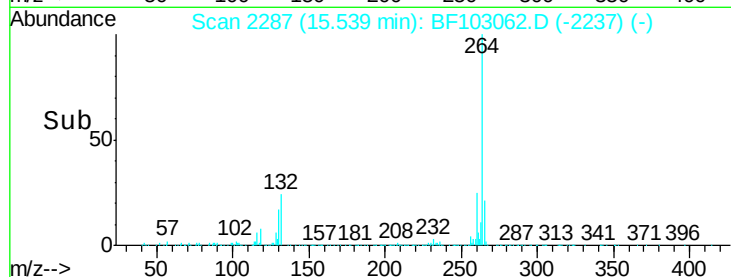
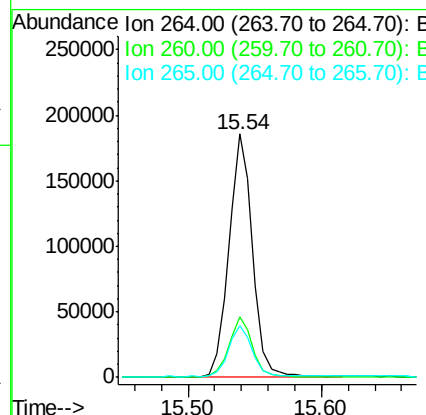
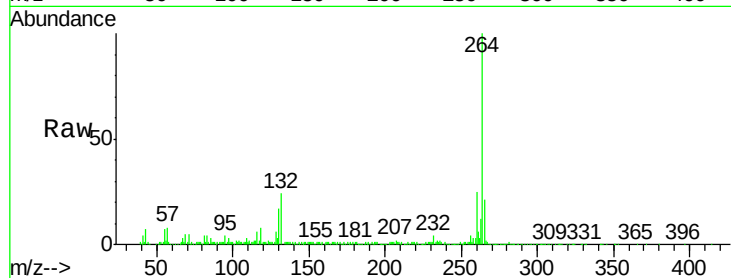




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

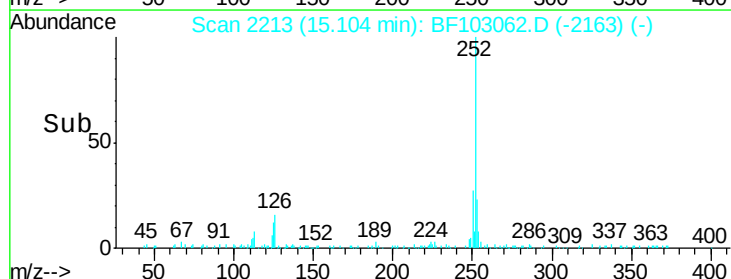
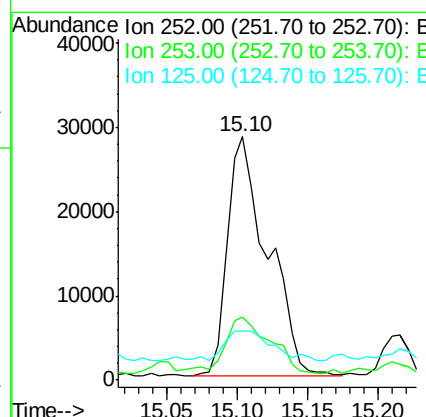
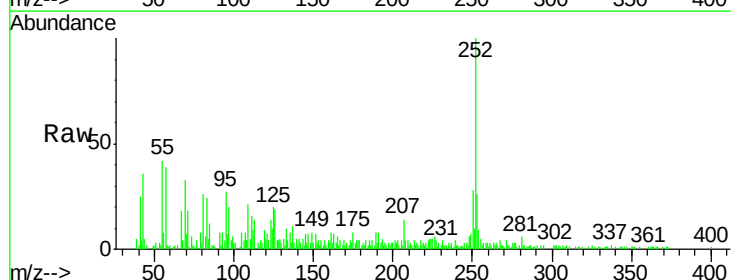
Instrument :
BNA_F
ClientSampleId :

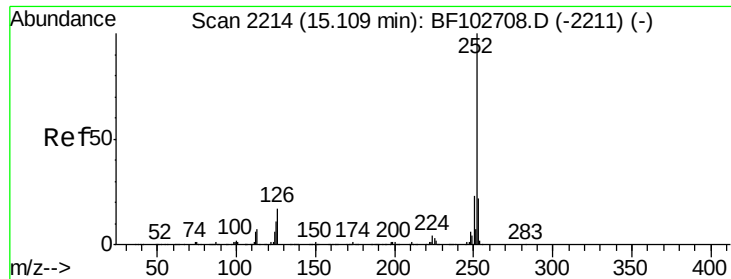
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.74 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.0	25.6#
125	20.3	9.0	13.6#

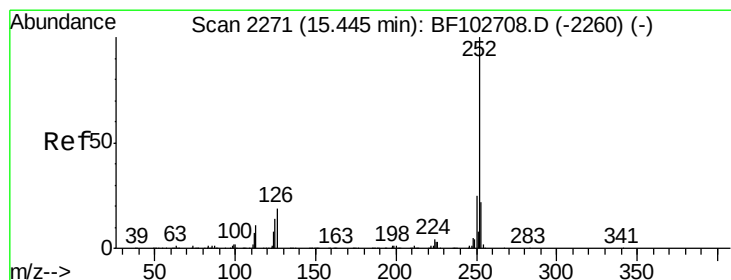
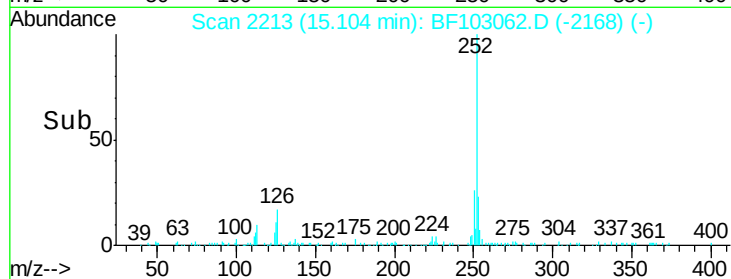
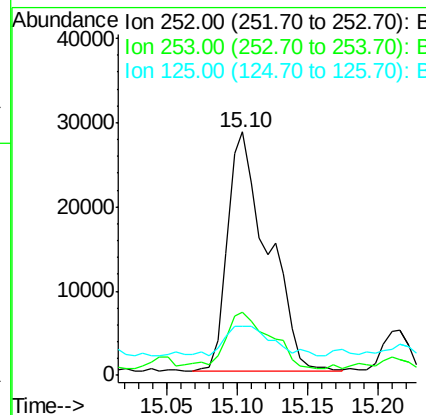
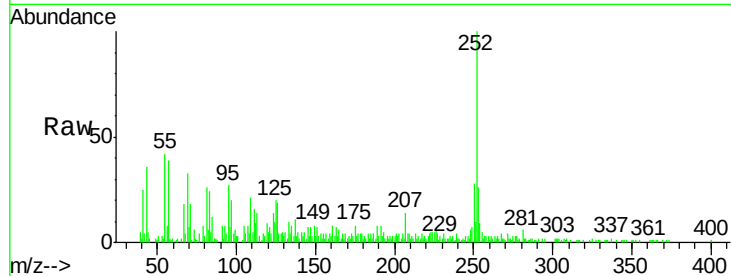




#88
Benzo(k)fluoranthene
Concen: 3.91 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	20.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.13 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BF103062.D
Acq: 16 Feb 2018 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	19.4	9.8	14.6

