

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021518\
 Data File : BF103023.D
 Acq On : 15 Feb 2018 17:48
 Operator : SJ/JU
 Sample : J1404-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 00:02:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

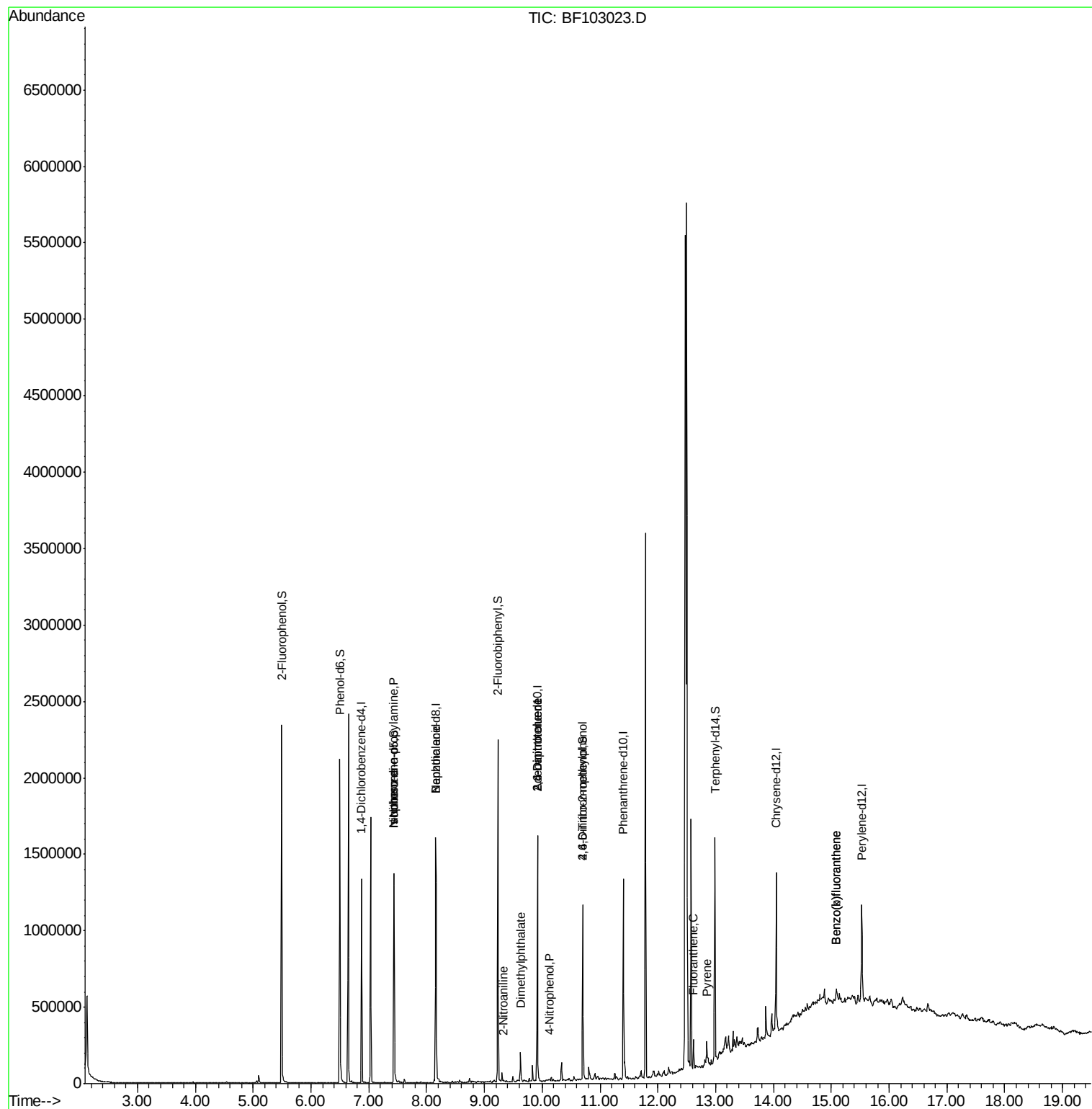
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	175336	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	721422	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	301667	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	441295	20.00	ng	0.00
75) Chrysene-d12	14.05	240	313742	20.00	ng	0.00
86) Perylene-d12	15.53	264	269271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	611923	53.00	ng	0.00
7) Phenol-d6	6.50	99	732507	52.69	ng	-0.01
23) Nitrobenzene-d5	7.43	82	439321	42.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	122816	50.58	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	677708	37.28	ng	0.00
78) Terphenyl-d14	12.99	244	444746	33.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	57414	6.26	ng	# 83
25) Isophorone	7.43	82	439318	18.35	ng	# 64
32) Benzoic acid	8.16	122	118	8.56	ng	# 1
47) 2-Nitroaniline	9.33	65	180	3.50	ng	# 2
49) Dimethylphthalate	9.62	163	60197	2.56	ng	98
50) 2,6-Dinitrotoluene	9.92	165	39370	8.80	ng	# 26
55) 4-Nitrophenol	10.12	139	279	4.08	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	39370	9.22	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	145	8.87	ng	# 1
74) Fluoranthene	12.62	202	60113	2.43	ng	97
77) Pyrene	12.85	202	62437	2.54	ng	99
87) Benzo(b)fluoranthene	15.09	252	42134	2.41	ng	# 68
88) Benzo(k)fluoranthene	15.09	252	42134	2.53	ng	# 71

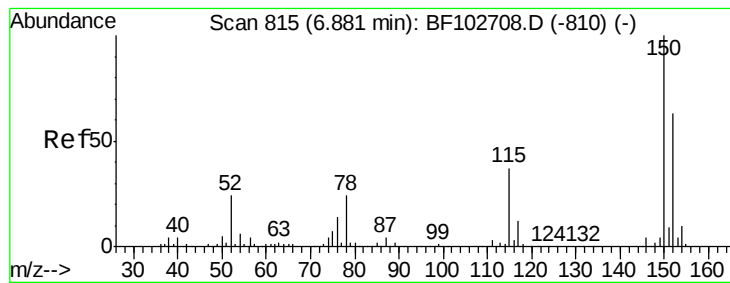
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF103023.D

Acq: 15 Feb 2018 17:48

Instrument :

BNA_F

ClientSampleId :

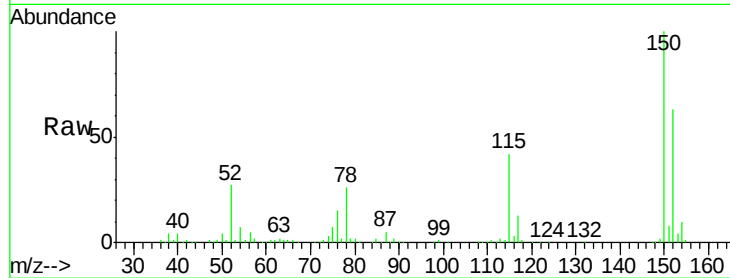
Tot Ion:152 Resp: 175336

Ion Ratio Lower Upper

152 100

150 157.8 124.6 186.8

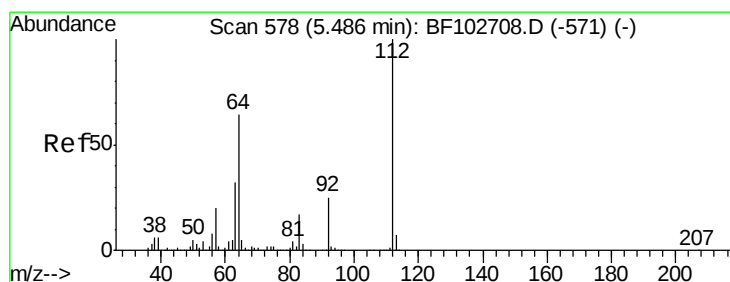
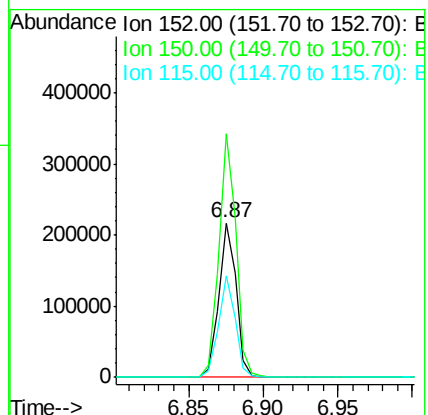
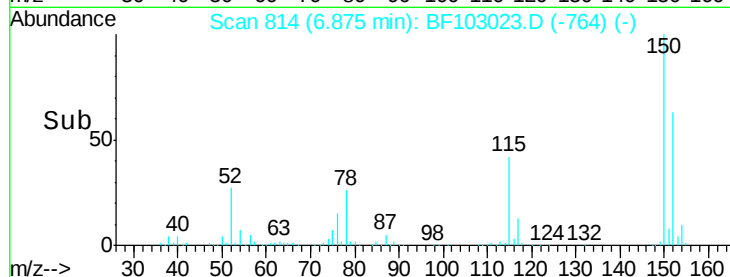
115 65.7 50.1 75.1



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: 53.00 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.00 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

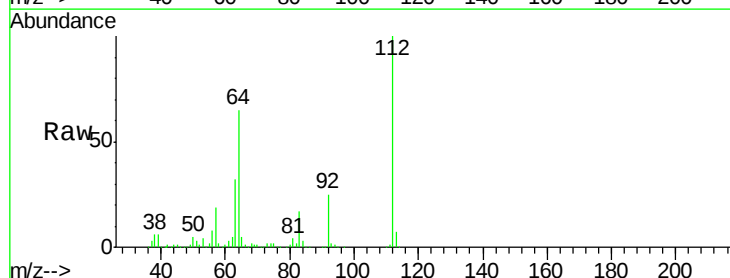
Tgt Ion:112 Resp: 611923

Ion Ratio Lower Upper

112 100

64 64.7 47.9 71.9

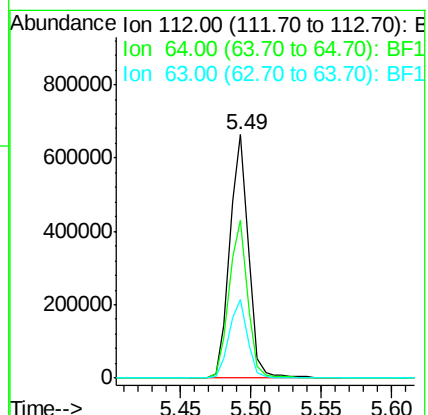
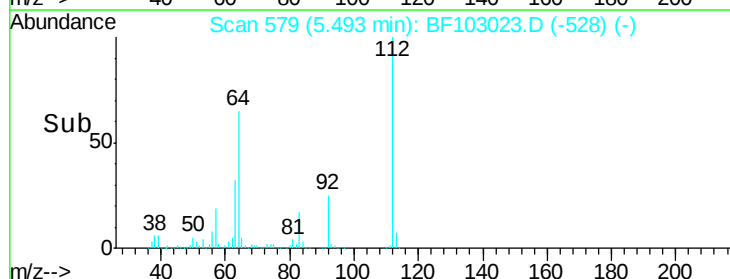
63 32.5 23.7 35.5



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: 52.69 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

Instrument :

BNA_F

ClientSampled :

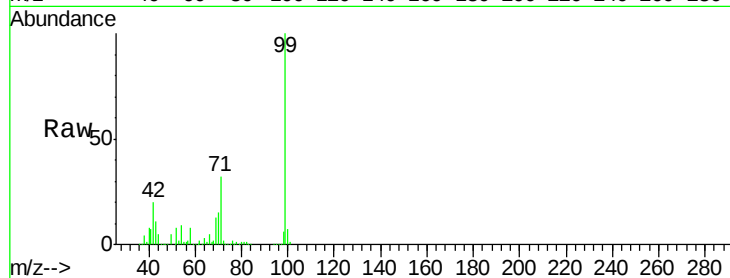
Tot Ion: 99 Resp: 732507

Ion Ratio Lower Upper

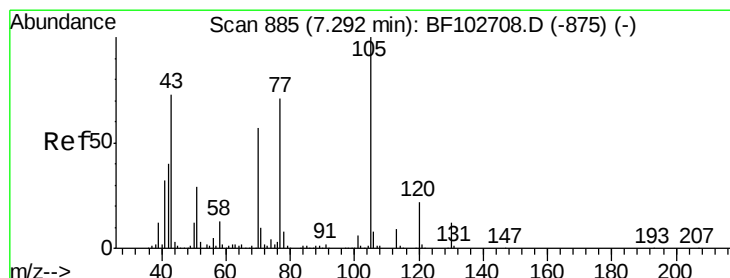
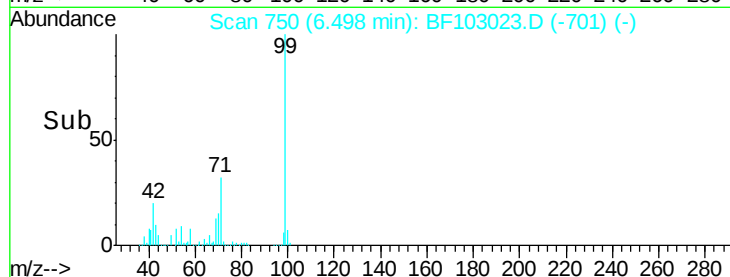
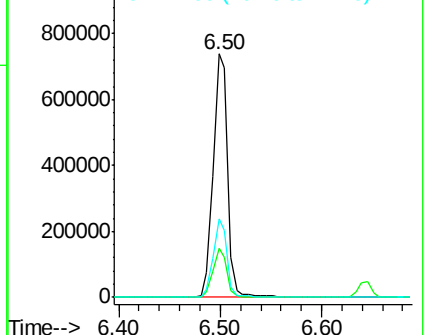
99 100

42 20.0 14.5 21.7

71 32.3 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: 6.26 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

Tgt Ion: 70 Resp: 57414

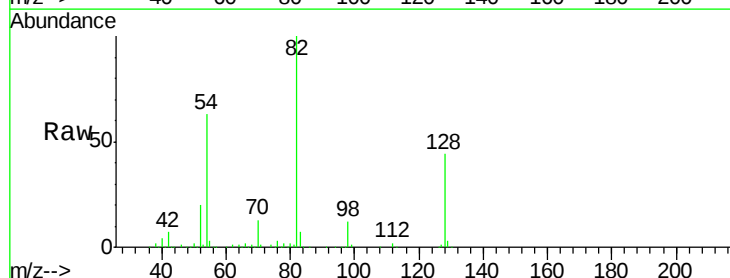
Ion Ratio Lower Upper

70 100

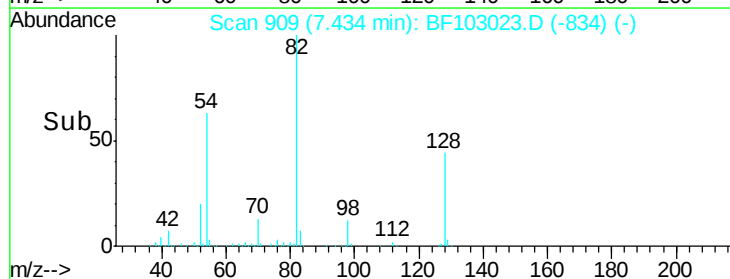
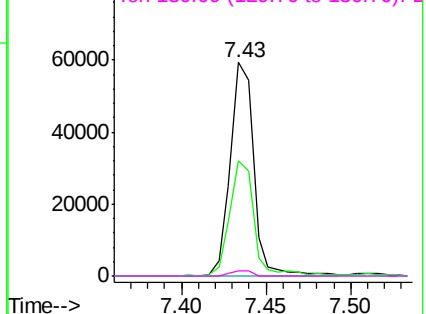
42 54.1 47.5 71.3

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: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 721422

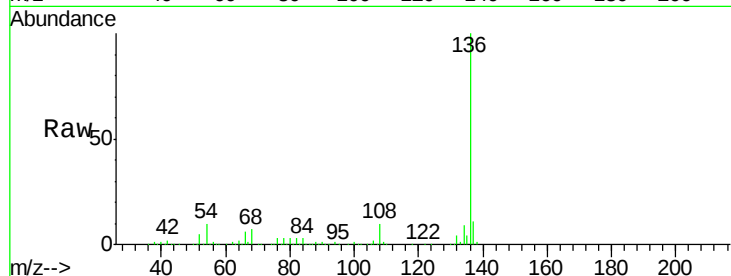
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.3 6.6 9.8#

68 7.0 5.0 7.4

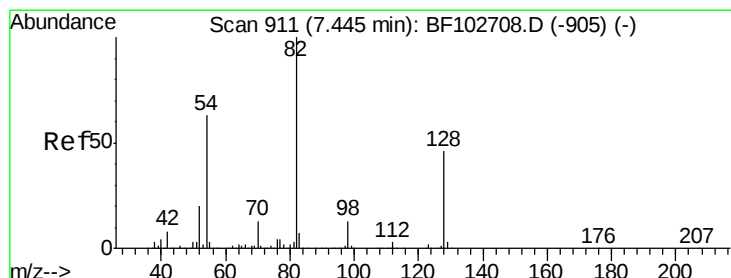
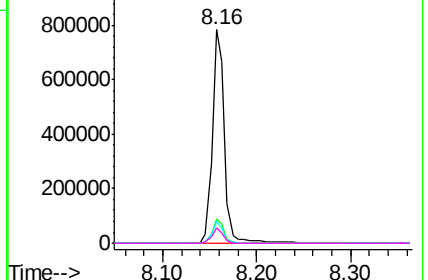
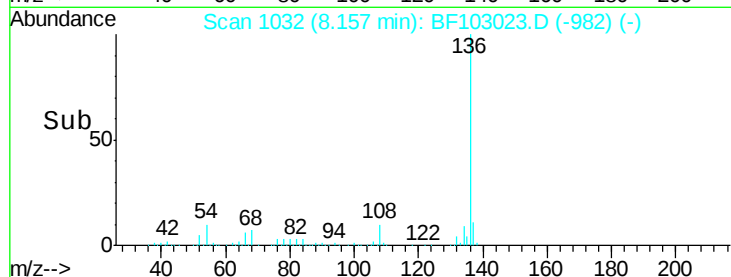


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.24 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

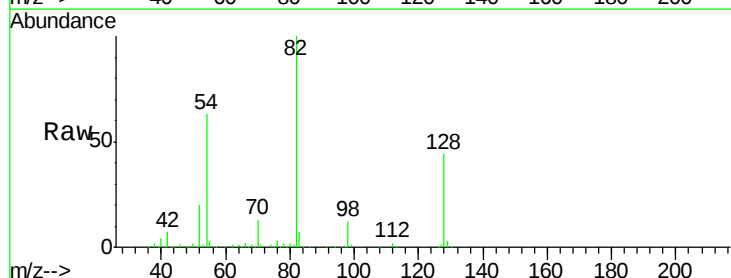
Tgt Ion: 82 Resp: 439321

Ion Ratio Lower Upper

82 100

128 44.4 36.1 54.1

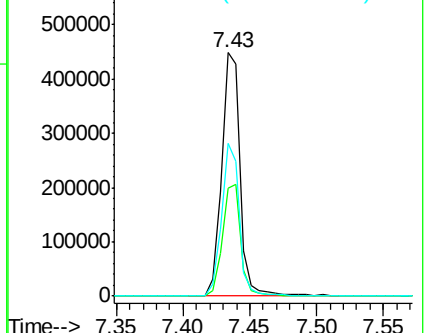
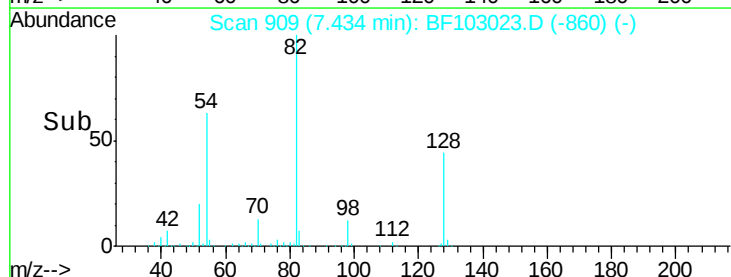
54 63.0 41.4 62.2#



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: 18.35 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

Instrument :

BNA_F

ClientSampleId :

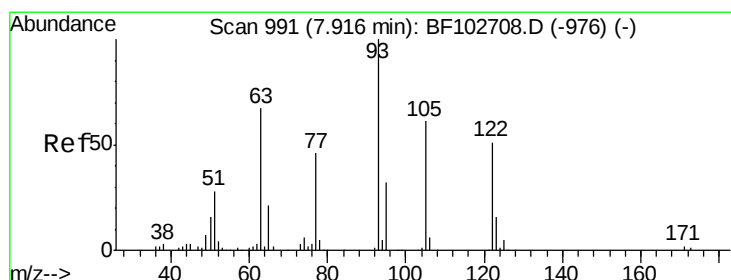
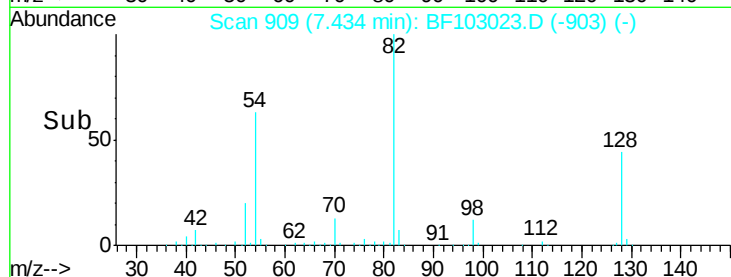
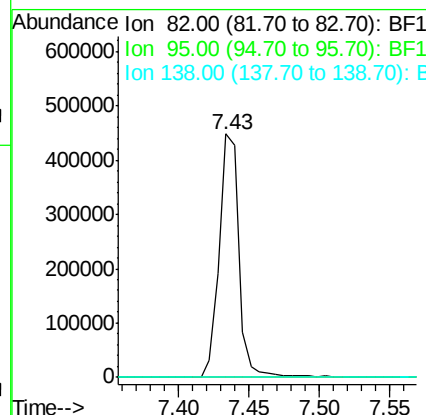
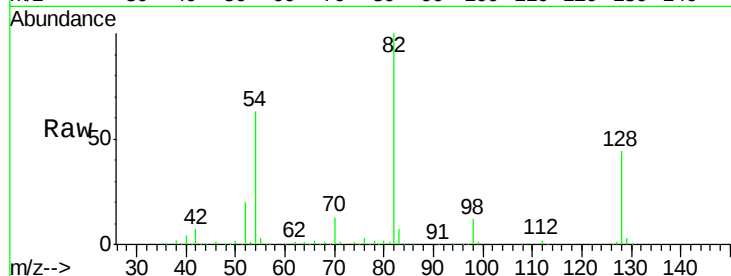
Tot Ion: 82 Resp: 439318

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 8.56 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.21 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

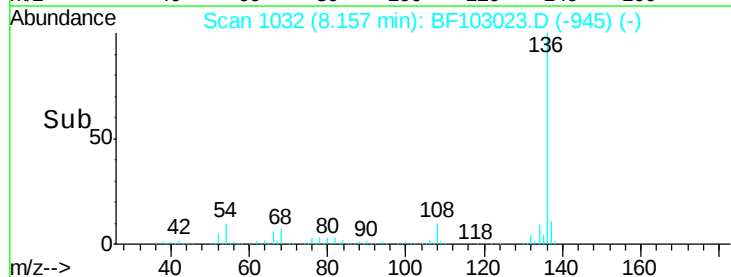
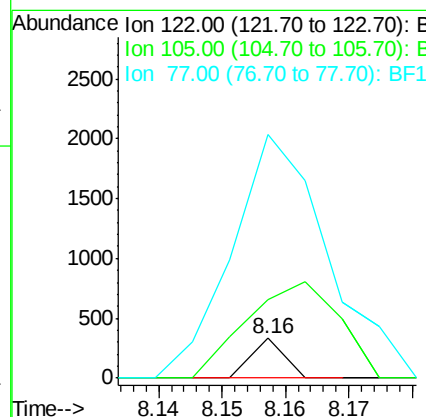
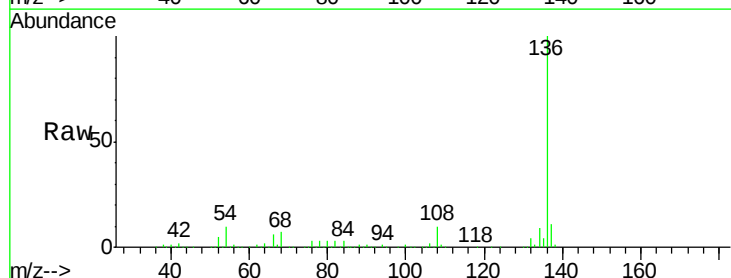
Tgt Ion: 122 Resp: 118

Ion Ratio Lower Upper

122 100

105 195.8 101.1 141.1#

77 609.0 70.7 110.7#

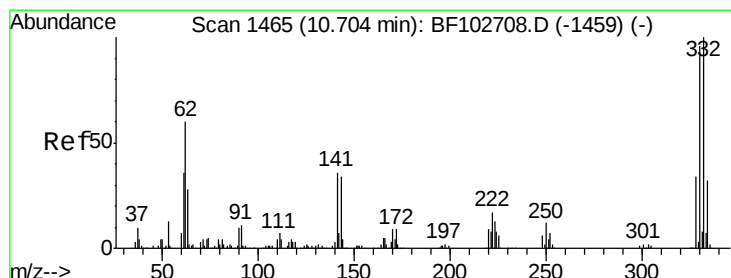
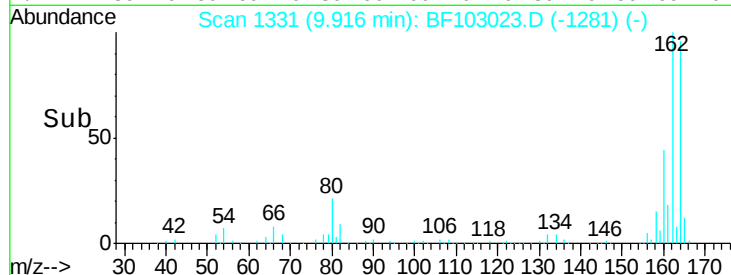
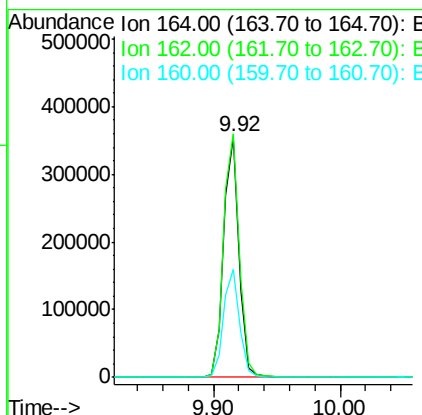
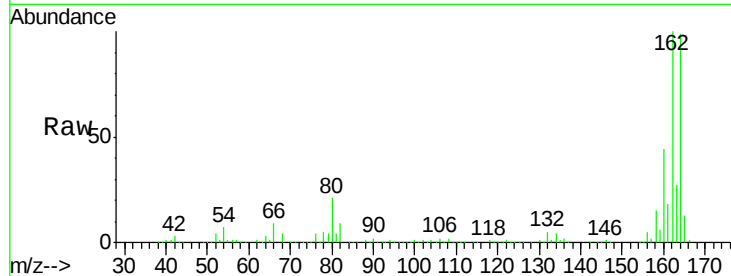




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103023.D
 Acq: 15 Feb 2018 17:48

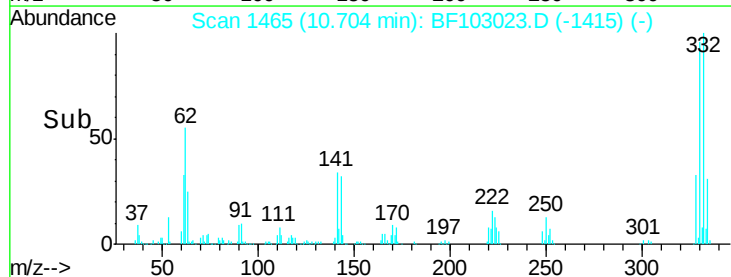
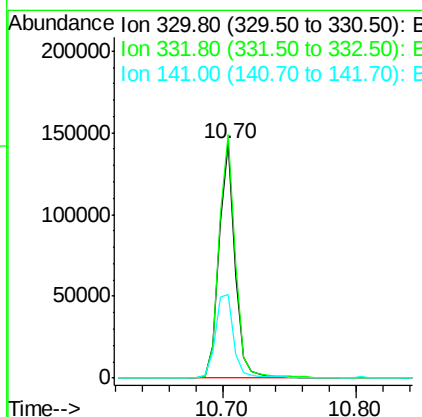
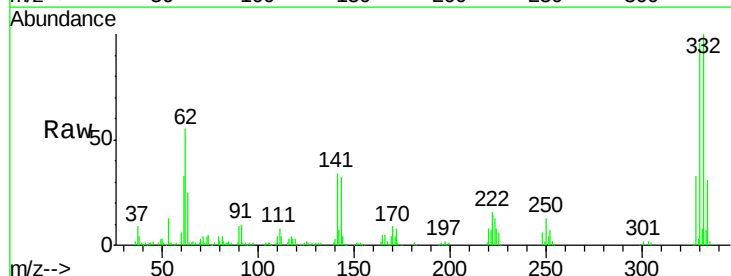
Instrument :
 BNA_F
 ClientSampleId :

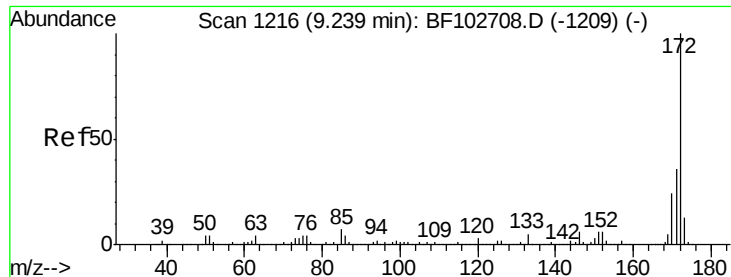
Tot Ion:164 Resp: 301667
 Ion Ratio Lower Upper
 164 100
 162 101.4 86.1 129.1
 160 44.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 50.58 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103023.D
 Acq: 15 Feb 2018 17:48

Tgt Ion:330 Resp: 122816
 Ion Ratio Lower Upper
 330 100
 332 105.5 77.0 115.6
 141 40.5 29.9 44.9

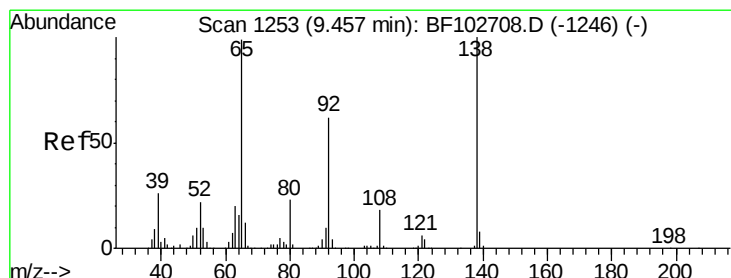
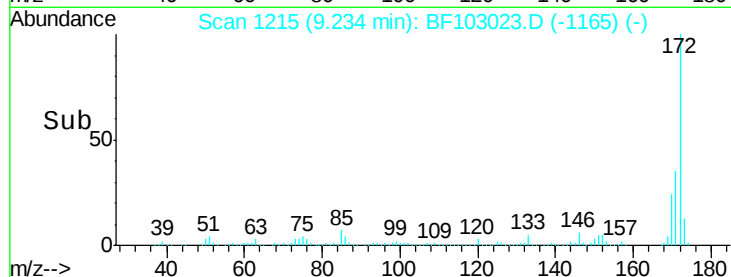
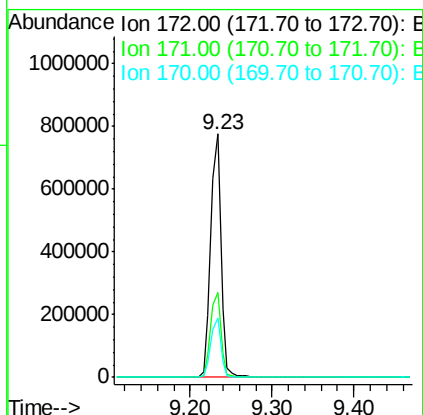
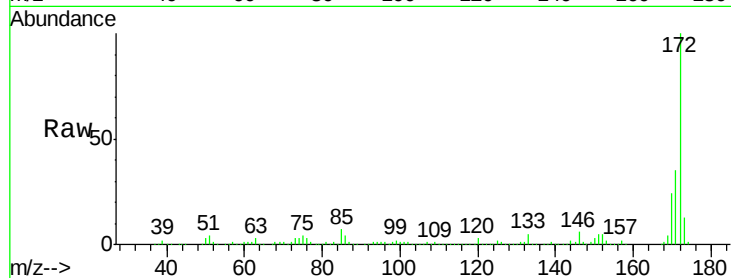




#44
 2-Fluorobiphenyl
 Concen: 37.28 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103023.D
 Acq: 15 Feb 2018 17:48

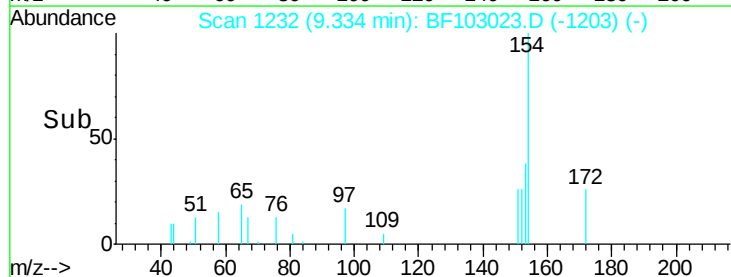
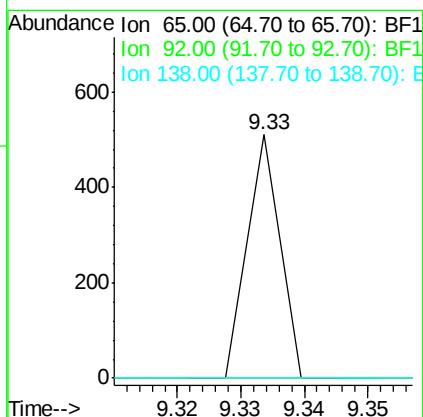
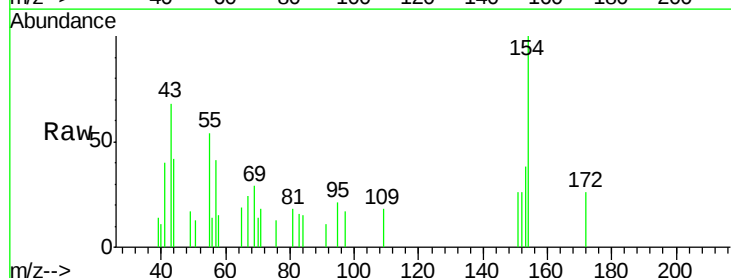
Instrument :
 BNA_F
 ClientSampleId :

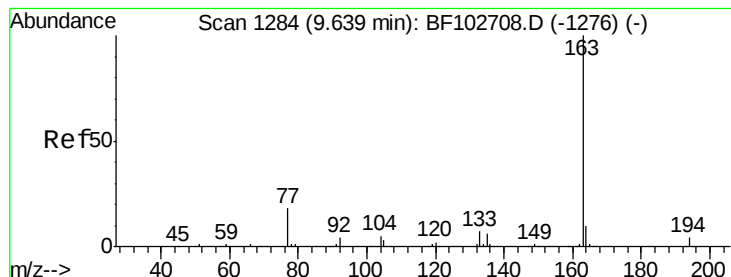
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	24.2	19.6	29.4



#47
 2-Nitroaniline
 Concen: 3.50 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.13 min
 Lab File: BF103023.D
 Acq: 15 Feb 2018 17:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#





#49

Dimethylphthalate

Concen: 2.56 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

Instrument :

BNA_F

ClientSampled :

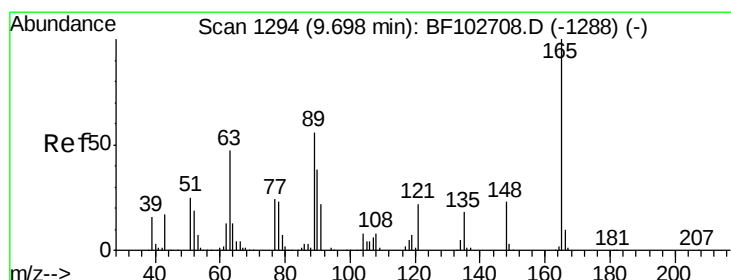
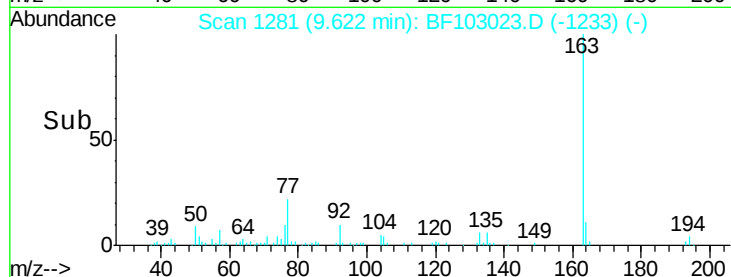
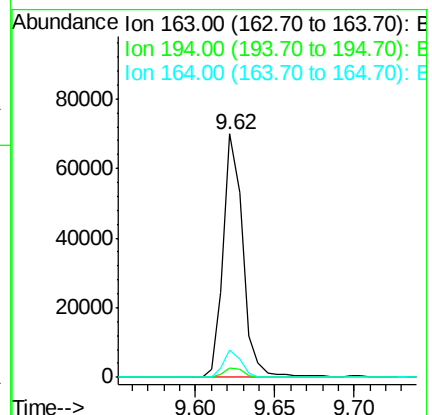
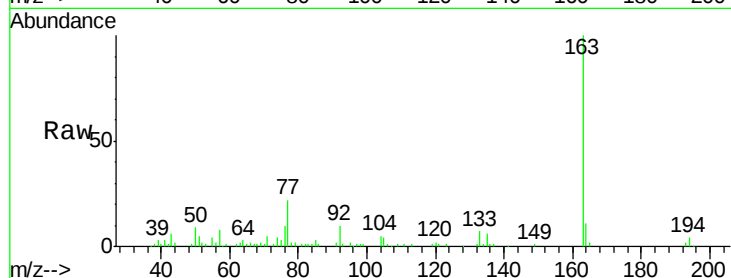
Tot Ion:163 Resp: 60197

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

164 11.2 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 8.80 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

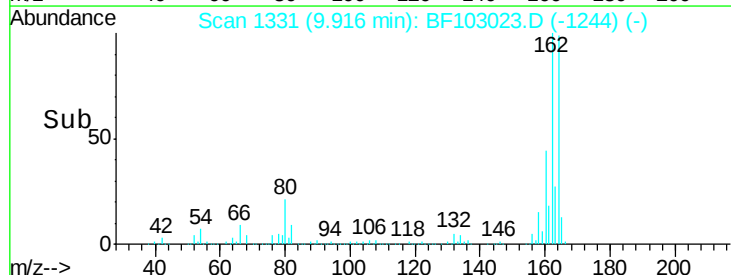
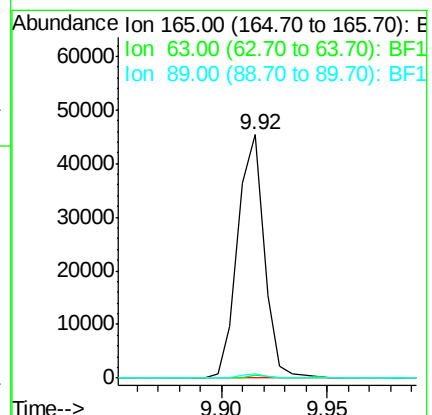
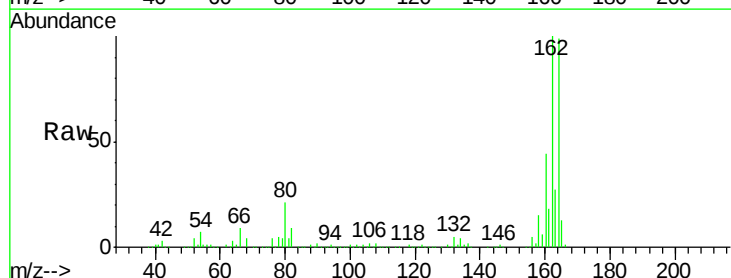
Tgt Ion:165 Resp: 39370

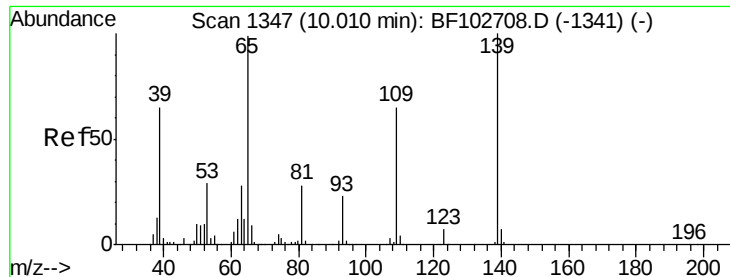
Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

89 1.9 44.0 66.0#

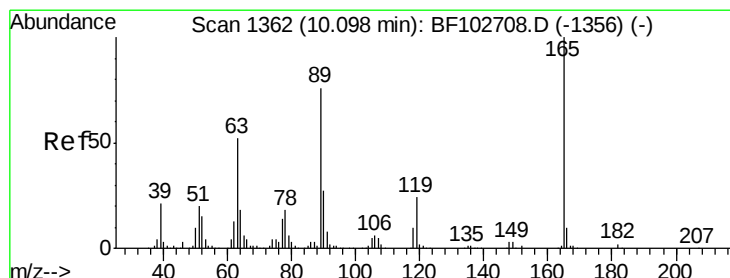
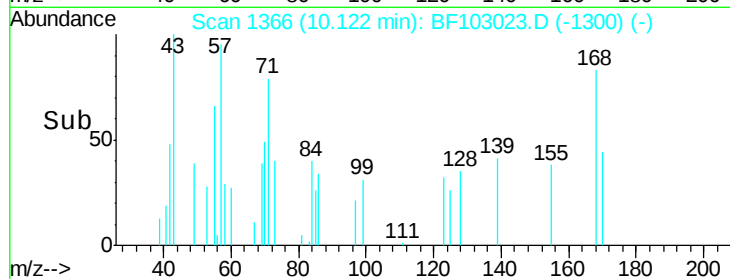
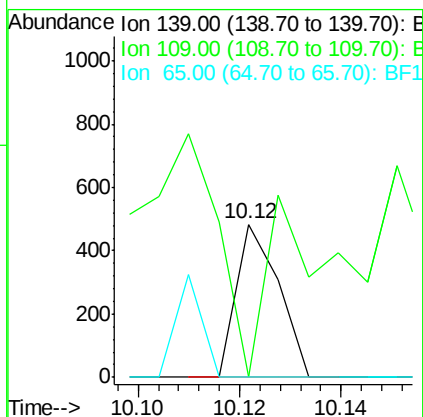
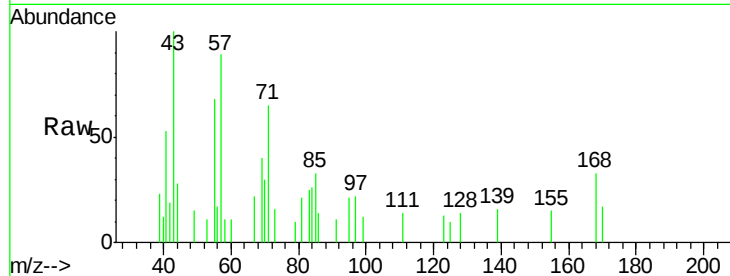




#55
4-Nitrophenol
Concen: 4.08 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF103023.D
Acq: 15 Feb 2018 17:48

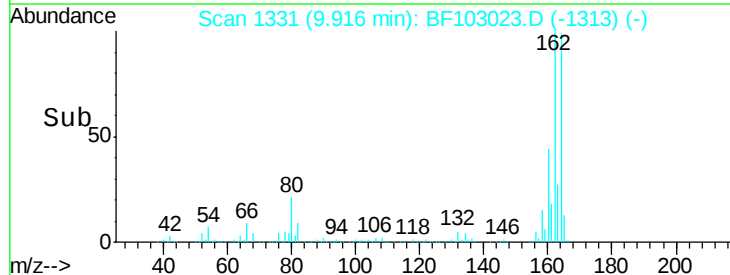
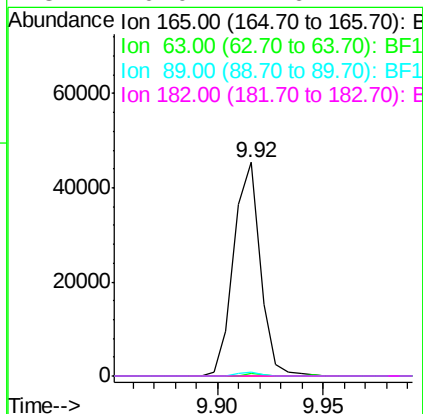
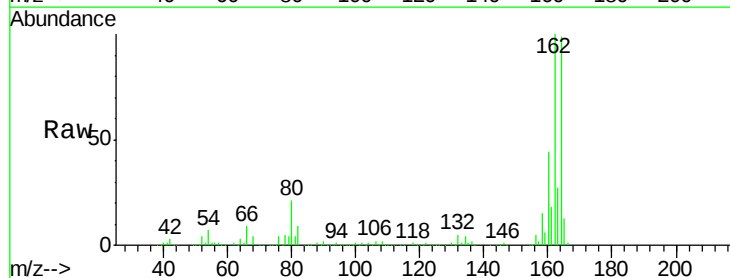
Instrument :
BNA_F
ClientSampled :

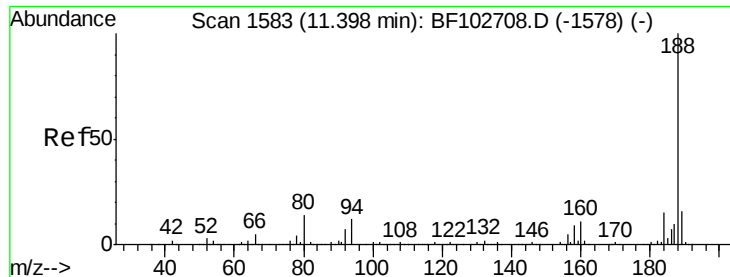
Tot Ion:139 Resp: 279
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.22 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103023.D
Acq: 15 Feb 2018 17:48

Tgt Ion:165 Resp: 39370
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.9 57.8 86.6#
182 0.0 1.6 2.4#

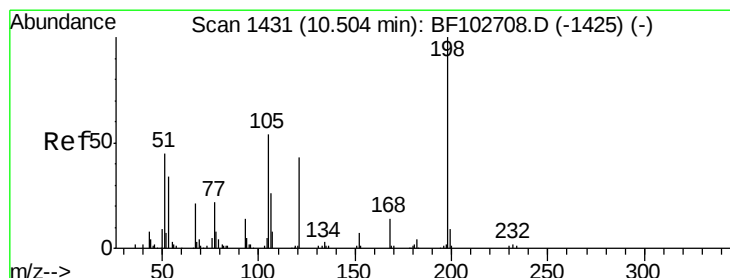
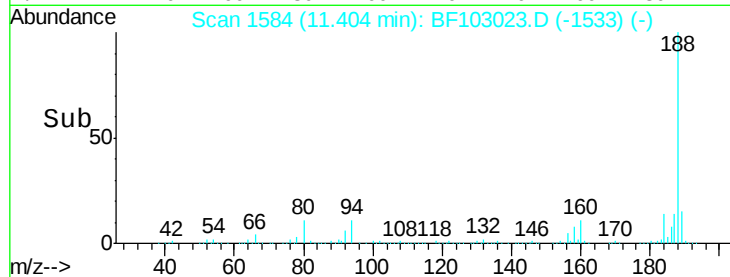
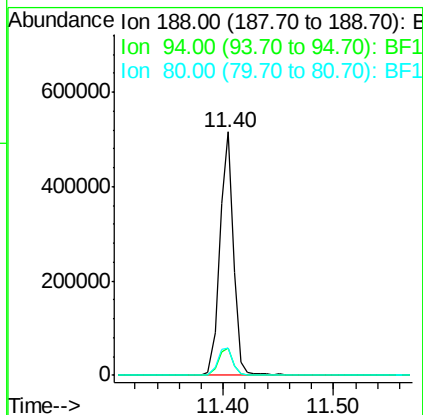
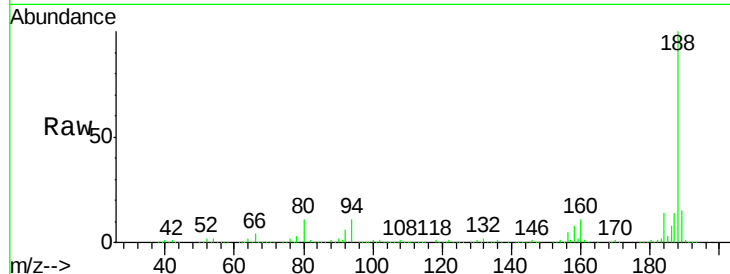




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103023.D
Acq: 15 Feb 2018 17:48

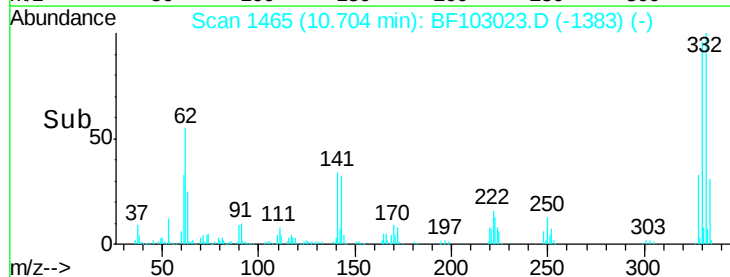
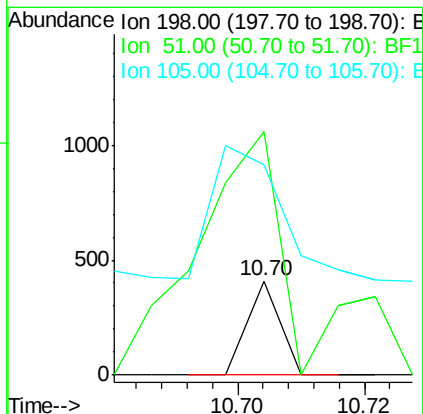
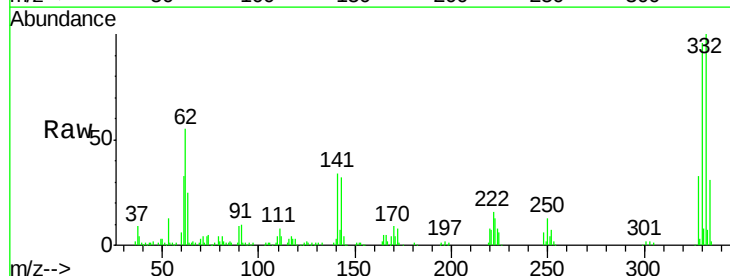
Instrument :
BNA_F
ClientSampleId :

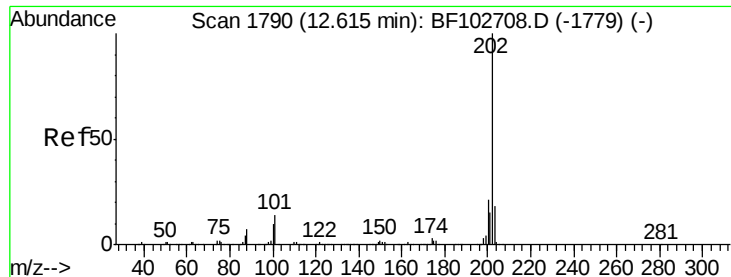
Tot Ion:188 Resp: 441295
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.87 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103023.D
Acq: 15 Feb 2018 17:48

Tgt Ion:198 Resp: 145
Ion Ratio Lower Upper
198 100
51 258.3 37.7 77.7#
105 222.7 36.3 76.3#





#74

Fluoranthene

Concen: 2.43 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

Instrument :

BNA_F

ClientSampled :

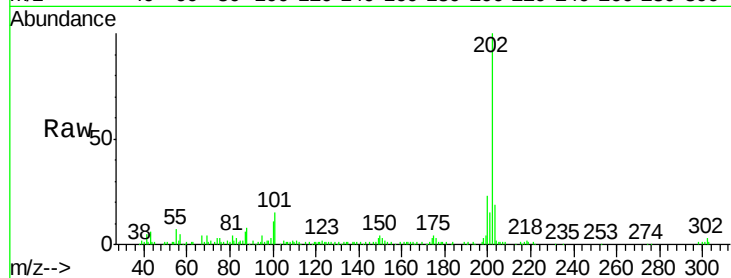
Tot Ion:202 Resp: 60113

Ion Ratio Lower Upper

202 100

101 15.5 0.0 34.1

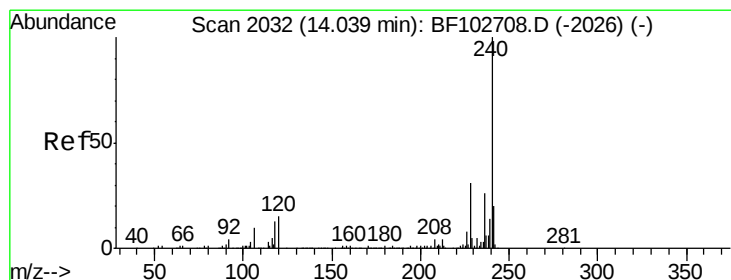
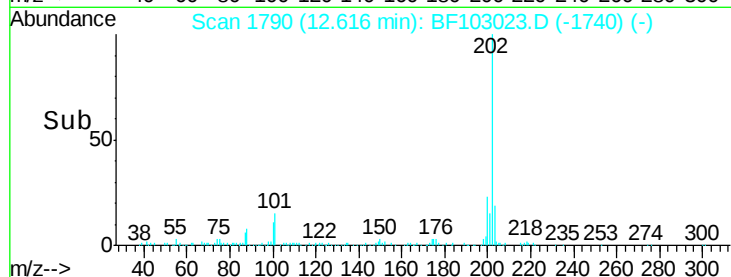
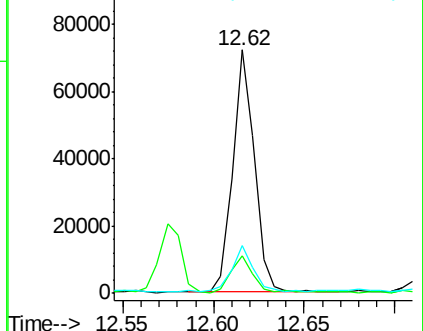
203 19.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

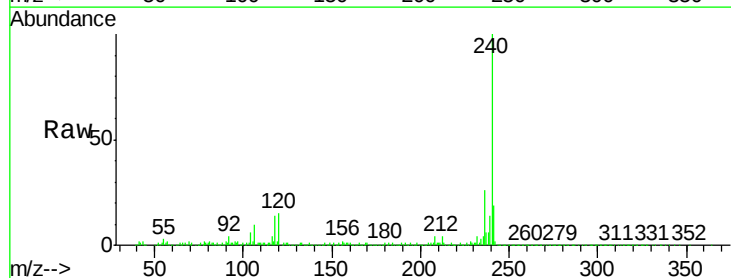
Tgt Ion:240 Resp: 313742

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

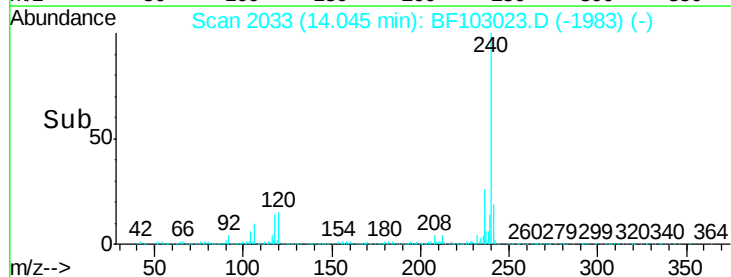
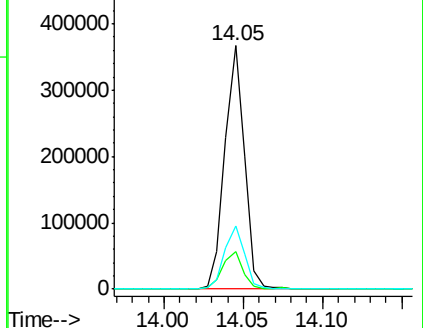
236 26.2 20.7 31.1

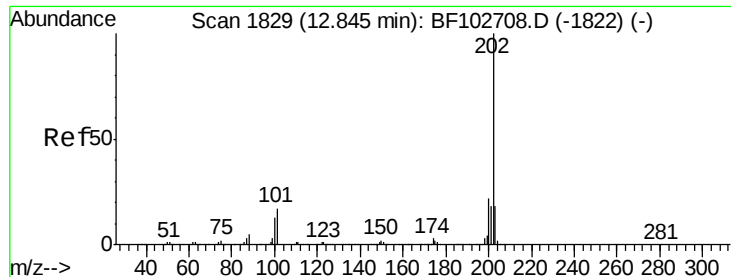


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.54 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

Instrument :

BNA_F

ClientSampleId :

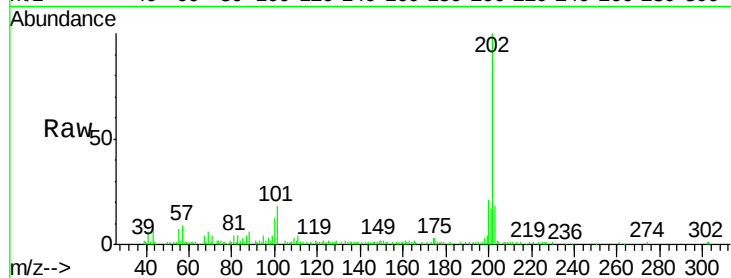
Tot Ion:202 Resp: 62437

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

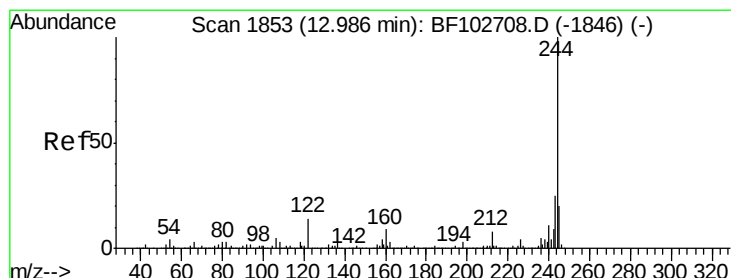
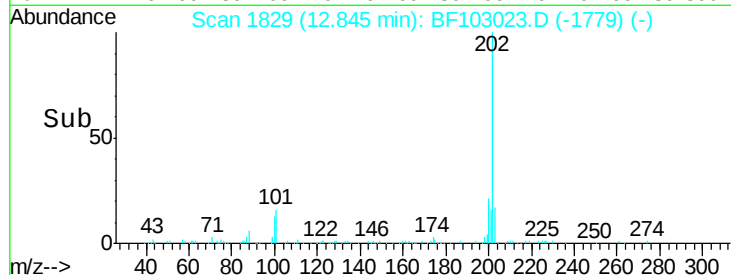
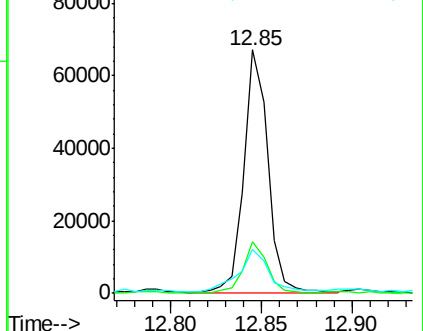
203 17.8 14.3 21.5



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: 33.56 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

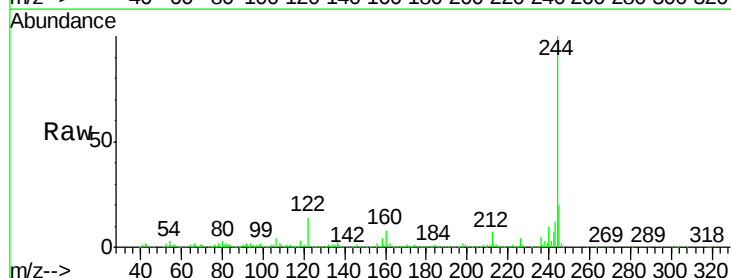
Tgt Ion:244 Resp: 444746

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

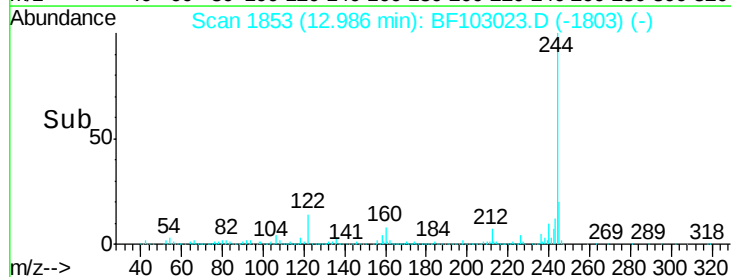
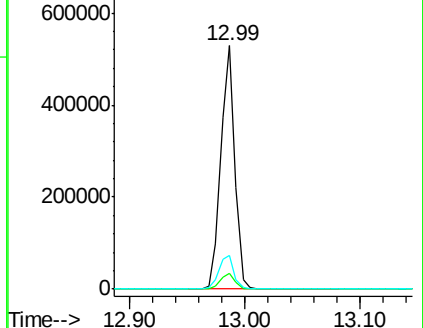
122 14.0 11.0 16.4

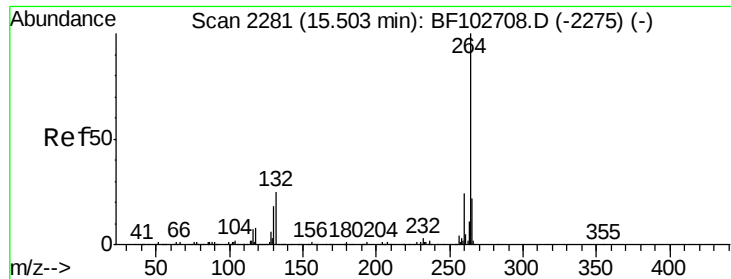


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

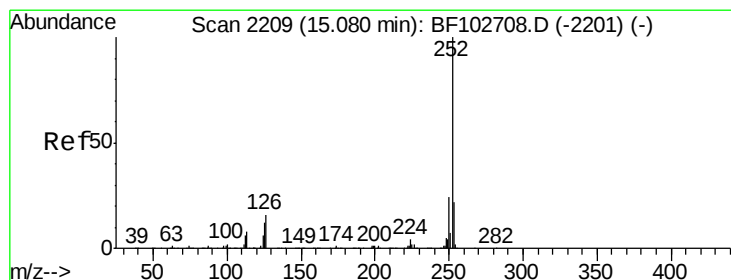
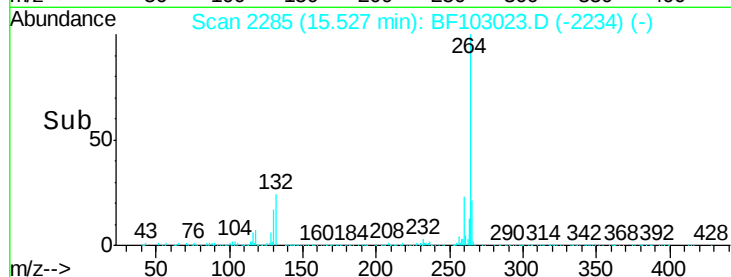
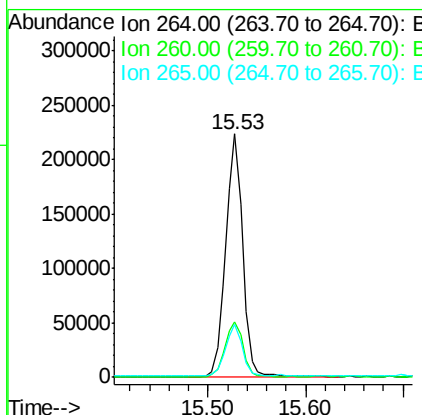
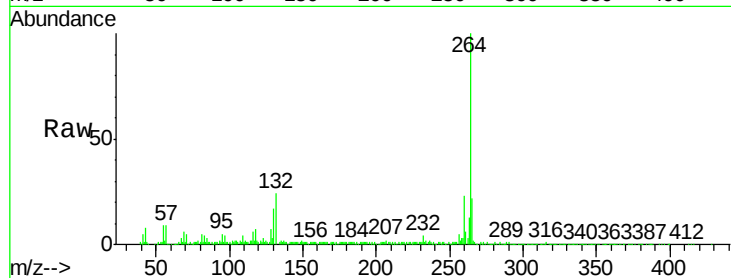




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF103023.D
Acq: 15 Feb 2018 17:48

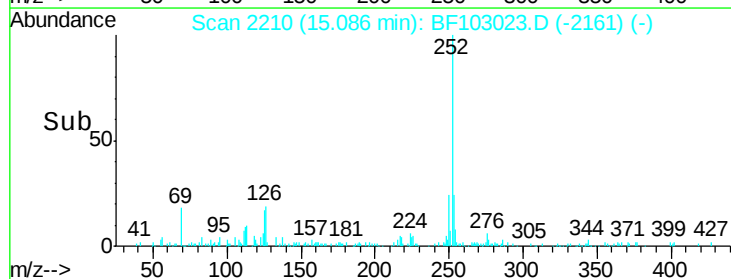
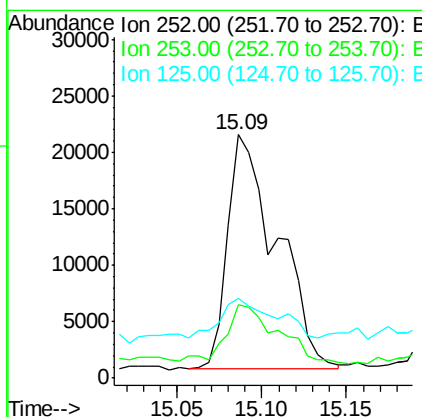
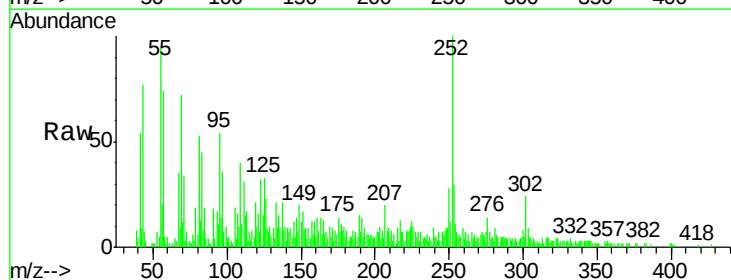
Instrument :
BNA_F
ClientSampleId :

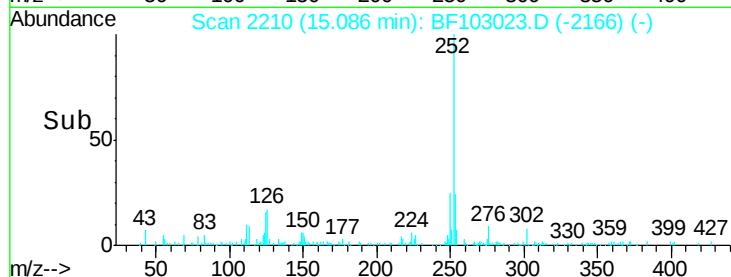
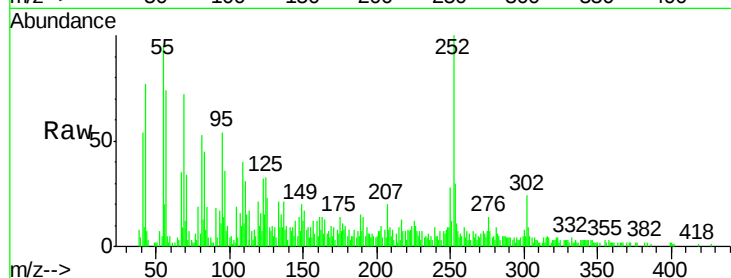
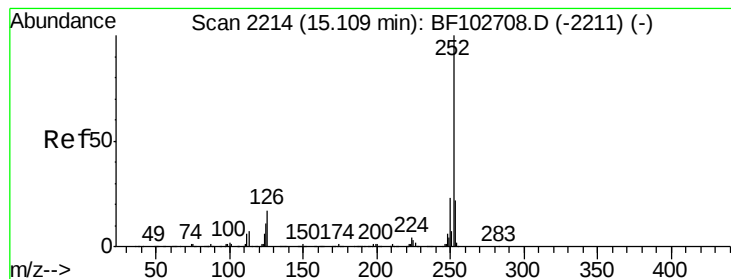
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.41 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF103023.D
Acq: 15 Feb 2018 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.0	25.6#
125	32.8	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.53 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.04 min

Lab File: BF103023.D

Acq: 15 Feb 2018 17:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 42134

Ion Ratio Lower Upper

252 100

253 30.0 17.9 26.9#

125 32.8 10.2 15.2#

