

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103793.D
 Acq On : 20 Mar 2018 9:02
 Operator : JU/SJ
 Sample : J1973-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 10:38:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	155954	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	625480	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	278865	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	444658	20.00	ng	0.00
75) Chrysene-d12	14.16	240	300124	20.00	ng	0.00
86) Perylene-d12	15.70	264	264709	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	939317	91.61	ng	0.01
7) Phenol-d6	6.59	99	1180239	94.09	ng	0.00
23) Nitrobenzene-d5	7.53	82	697956	77.82	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	256197	106.85	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1045277	59.79	ng	0.00
78) Terphenyl-d14	13.09	244	787636	60.92	ng	0.00

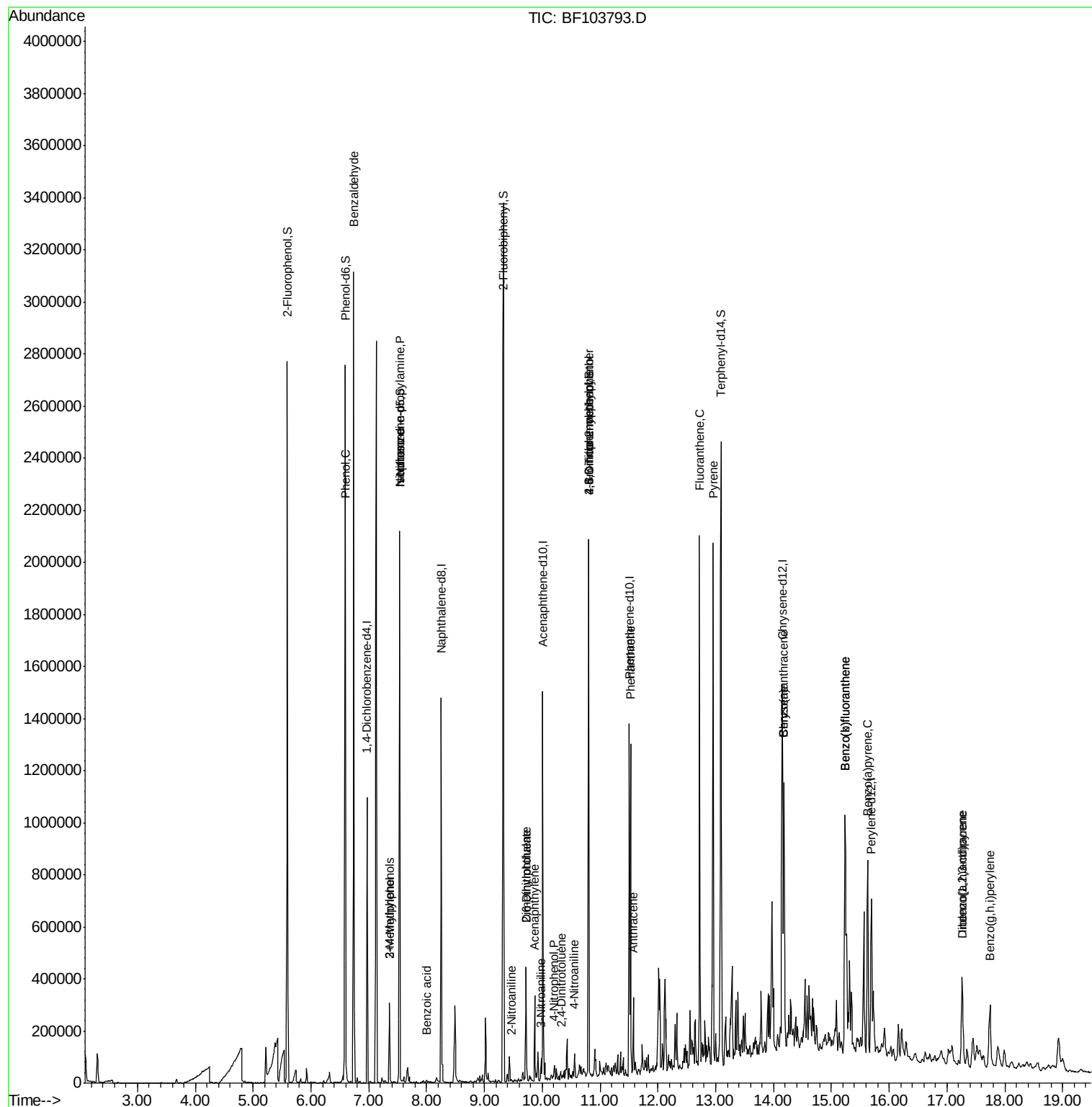
Target Compounds				Qvalue		
9) Benzaldehyde	6.74	77	20072	2.436	ng	85
10) Phenol	6.60	94	40256	3.020	ng	97
17) 2-Methylphenol	7.36	107	76652	8.014	ng	# 70
19) n-Nitroso-di-n-propylamine	7.53	70	91172	11.341	ng	# 72
20) 3+4-Methylphenols	7.36	107	76652	6.315	ng	# 86
25) Isophorone	7.53	82	697947	33.615	ng	# 64
32) Benzoic acid	8.00	122	1517	10.097	ng	# 30
47) 2-Nitroaniline	9.46	65	110	6.834	ng	# 2
48) Acenaphthylene	9.87	152	133986	4.678	ng	99
49) Dimethylphthalate	9.72	163	149482	7.026	ng	100
50) 2,6-Dinitrotoluene	9.72	165	1664	4.354	ng	# 35
52) 3-Nitroaniline	9.97	138	204	3.852	ng	# 2
55) 4-Nitrophenol	10.22	139	4585	6.074	ng	# 9
56) 2,4-Dinitrotoluene	10.32	165	1343	6.438	ng	# 41
61) 4-Nitroaniline	10.56	138	287	3.805	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	397	8.384	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	15396	3.372	ng	# 1
70) Phenanthrene	11.53	178	408978	16.814	ng	98
71) Anthracene	11.58	178	109493	4.432	ng	97
74) Fluoranthene	12.73	202	840232	33.530	ng	97
77) Pyrene	12.96	202	786426	35.680	ng	99
80) Benzo(a)anthracene	14.19	228	410955	21.632	ng	97
82) Chrysene	14.19	228	410955	22.693	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	216094	13.664	ng	# 94
87) Benzo(b)fluoranthene	15.24	252	711254	42.530	ng	96
88) Benzo(k)fluoranthene	15.24	252	711254	44.243	ng	98
89) Benzo(a)pyrene	15.63	252	345210	22.758	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	55910	4.257	ng	97
91) Benzo(g,h,i)perylene	17.74	276	197766	15.477	ng	95

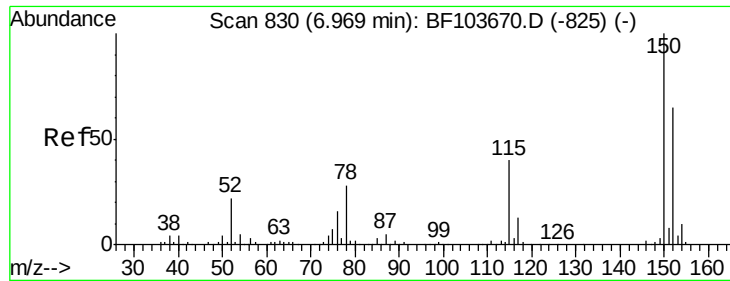
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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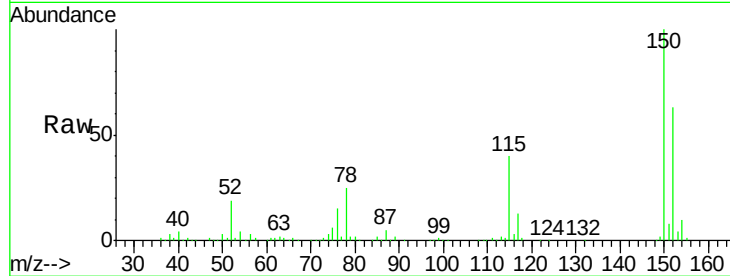


#1

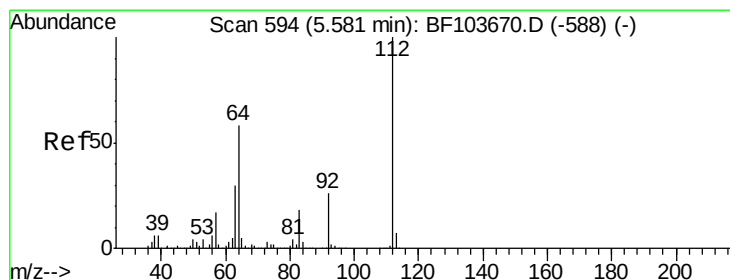
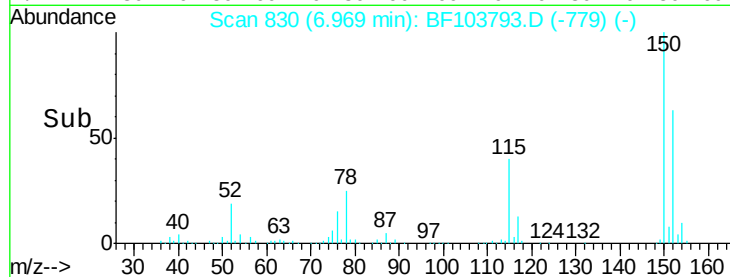
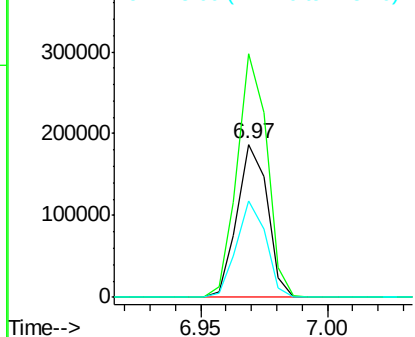
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155954
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 63.5 50.1 75.1



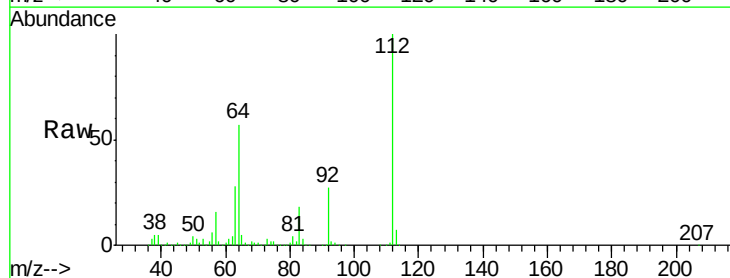
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



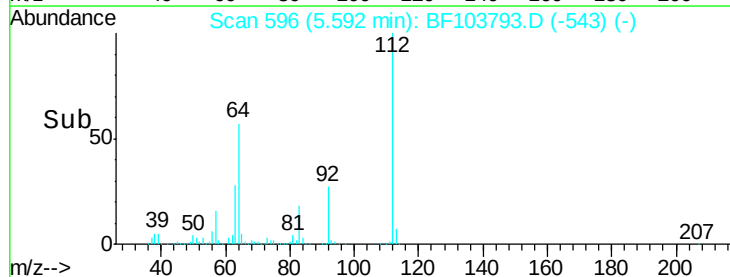
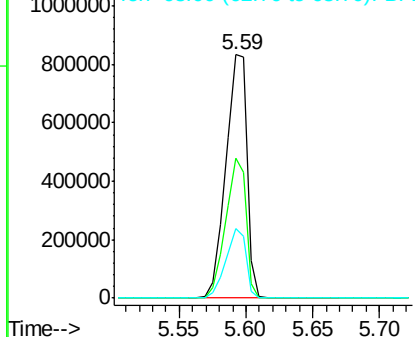
#5

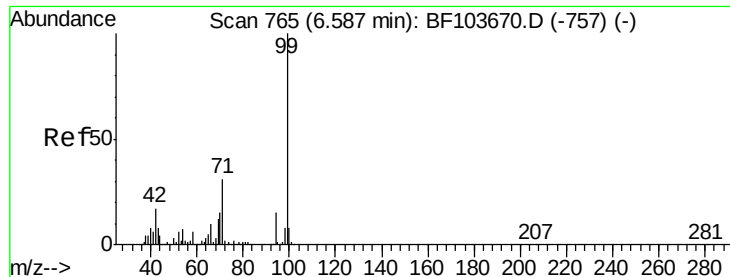
2-Fluorophenol
Concen: 91.610 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Tgt Ion:112 Resp: 939317
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 28.4 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: 94.085 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampled :

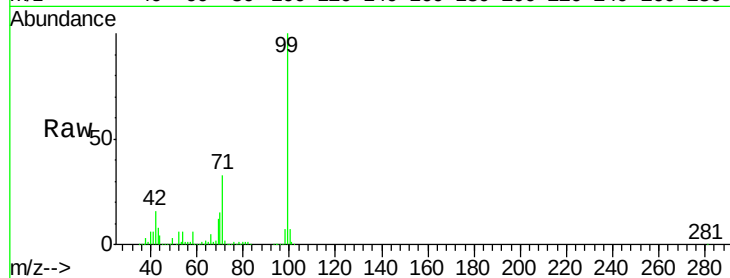
Tot Ion: 99 Resp: 1180239

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

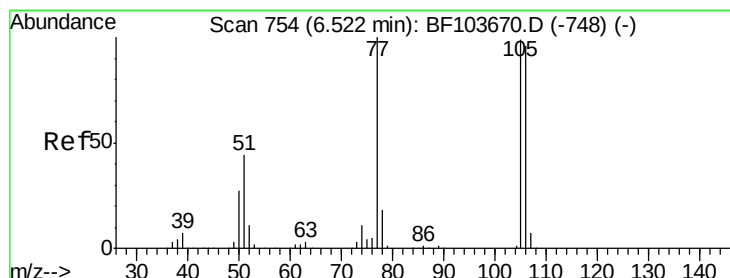
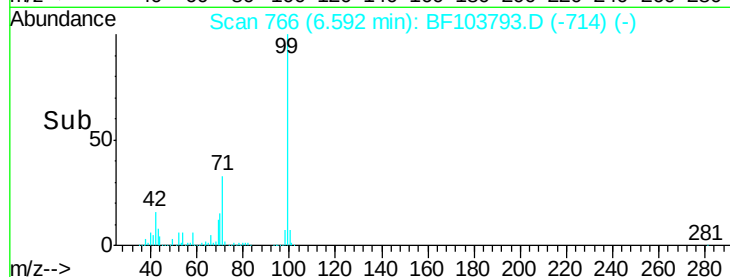
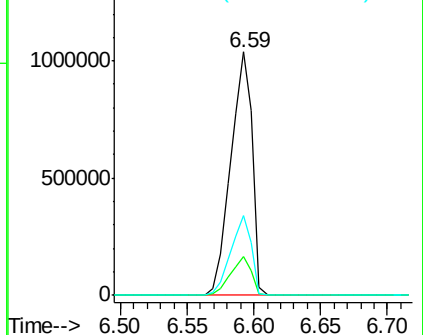
71 32.7 25.4 38.0



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: 2.436 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.22 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

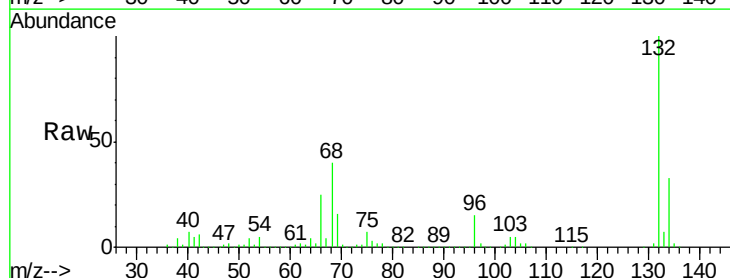
Tgt Ion: 77 Resp: 20072

Ion Ratio Lower Upper

77 100

105 82.4 81.1 121.1

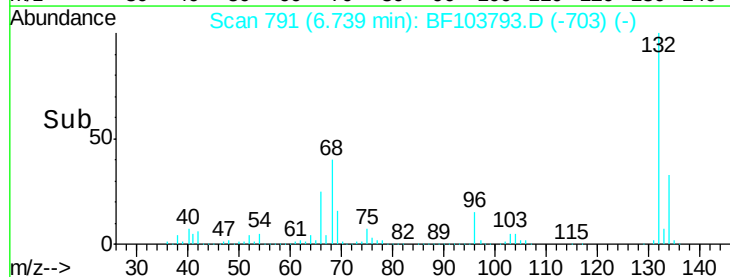
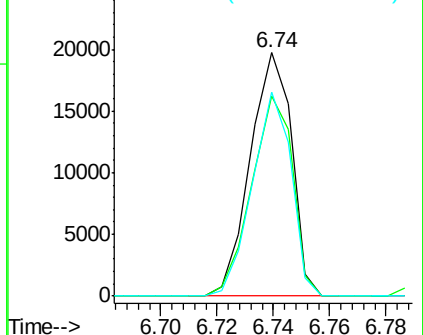
106 83.9 74.5 114.5

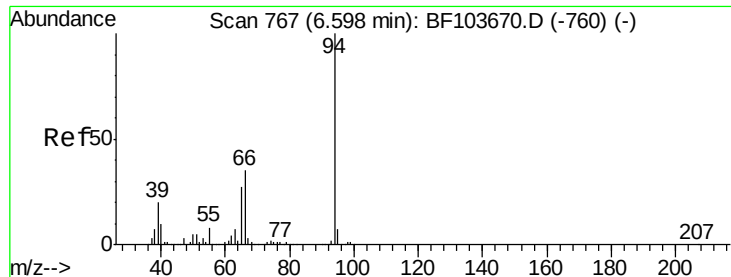


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.020 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampled :

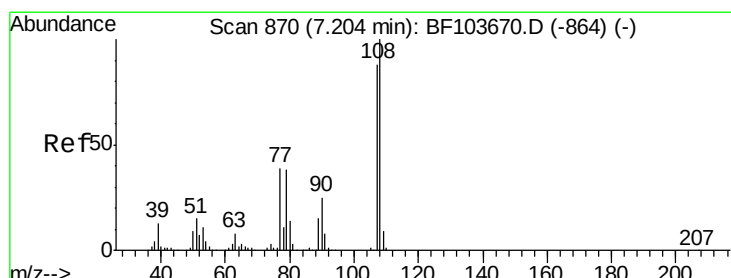
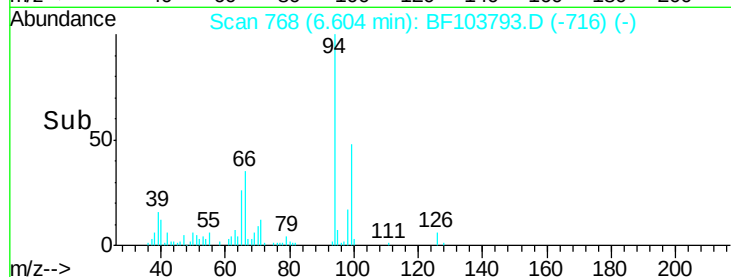
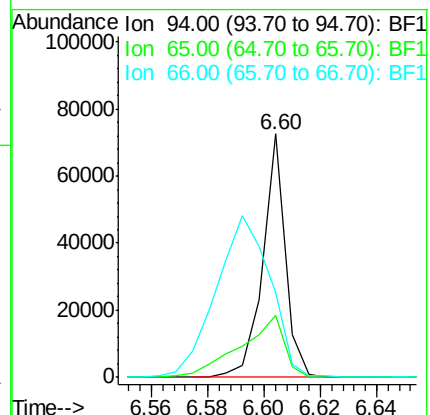
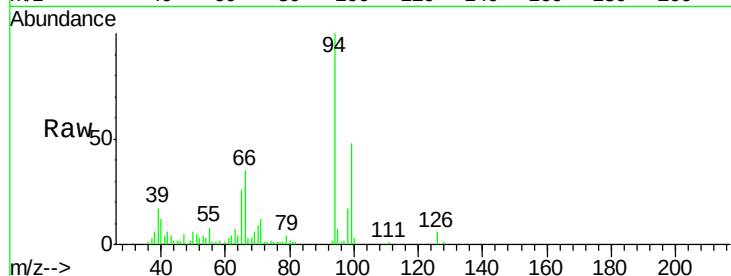
Tot Ion: 94 Resp: 40256

Ion Ratio Lower Upper

94 100

65 25.6 7.9 47.9

66 34.6 16.2 56.2



#17

2-Methylphenol

Concen: 8.014 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Tgt Ion: 107 Resp: 76652

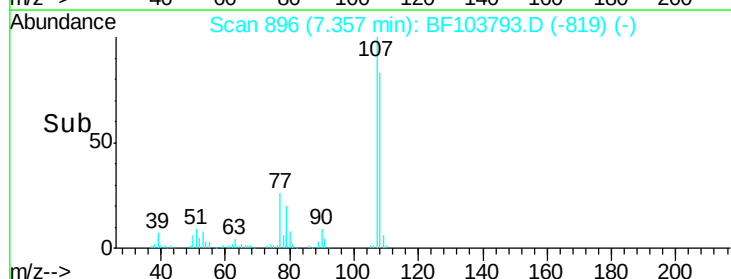
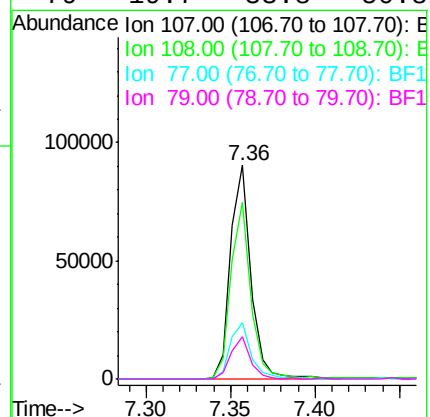
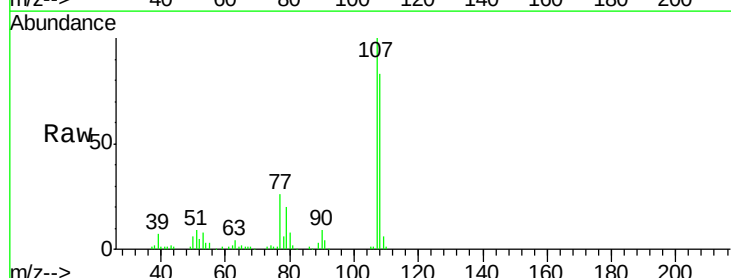
Ion Ratio Lower Upper

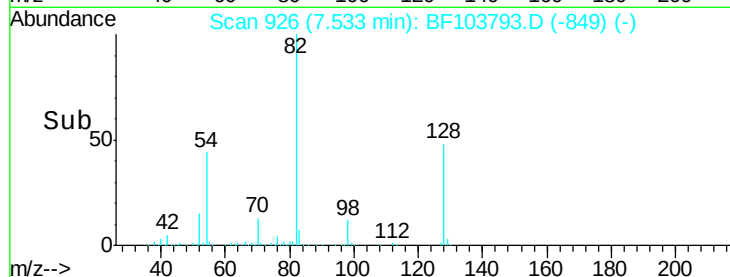
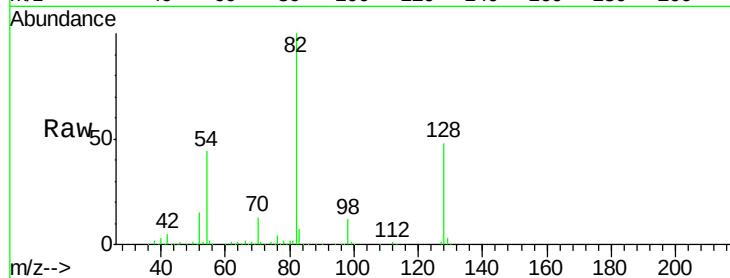
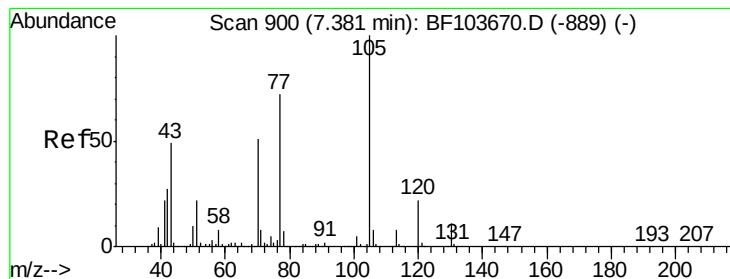
107 100

108 83.0 91.7 137.5#

77 26.1 33.8 50.8#

79 19.7 33.8 50.8#





#19

n-Nitroso-di-n-propylamine

Concen: 11.341 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 91172

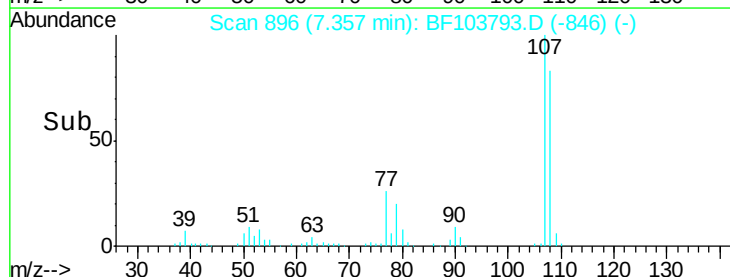
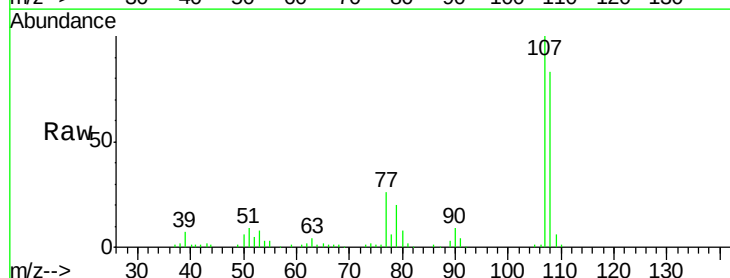
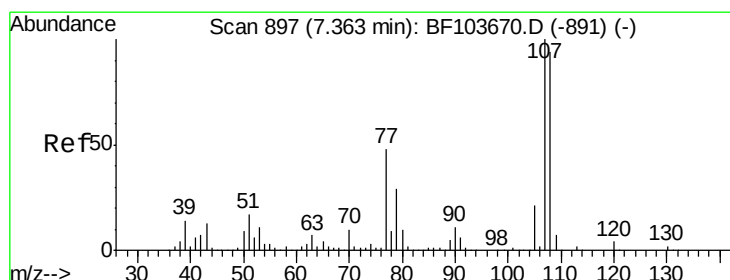
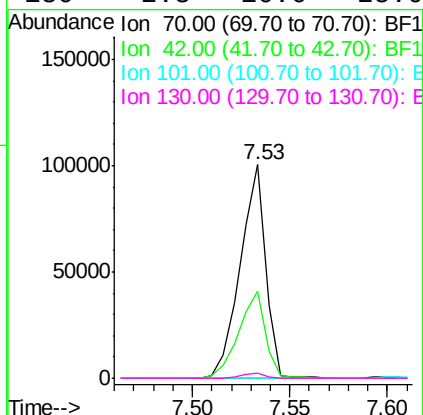
Ion Ratio Lower Upper

70 100

42 40.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#20

3+4-Methylphenols

Concen: 6.315 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Tgt Ion:107 Resp: 76652

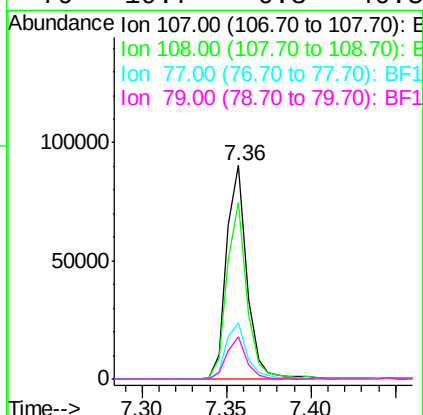
Ion Ratio Lower Upper

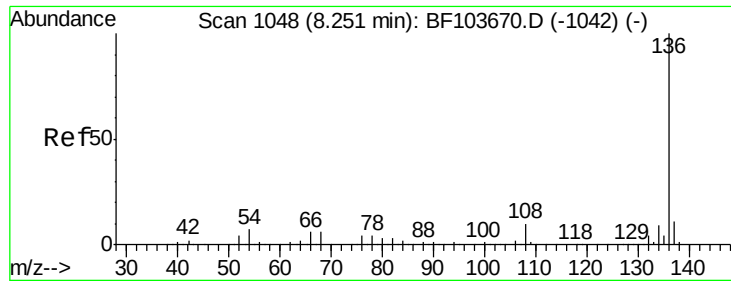
107 100

108 83.0 68.2 108.2

77 26.1 26.7 66.7#

79 19.7 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 625480

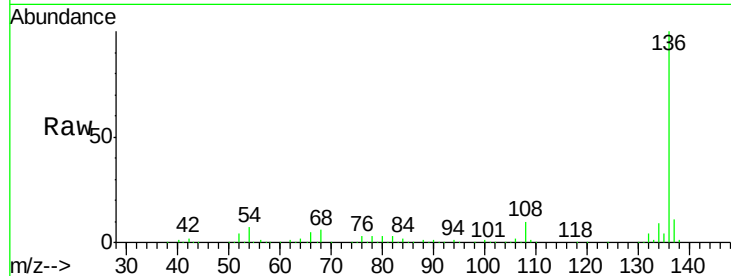
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.2 6.6 9.8

68 6.4 5.0 7.4

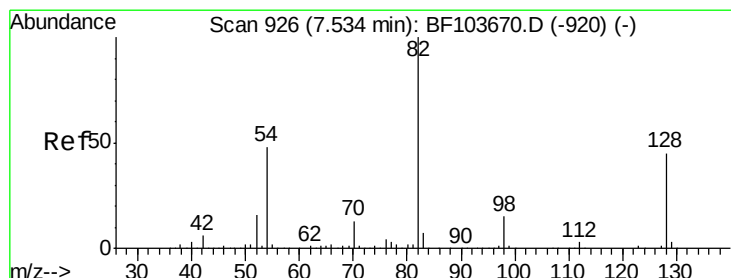
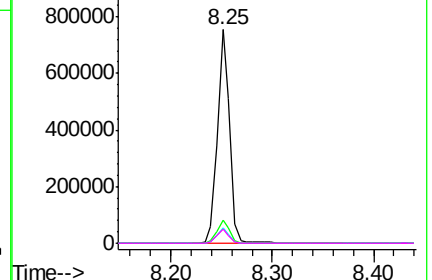
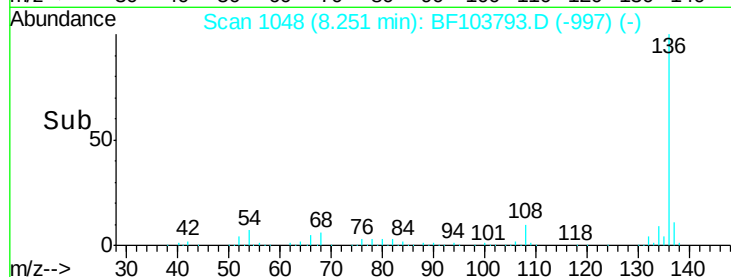


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.816 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

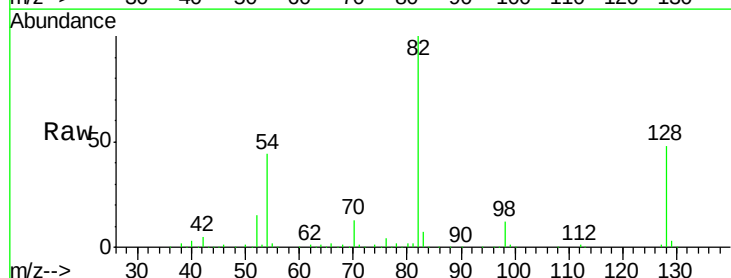
Tgt Ion: 82 Resp: 697956

Ion Ratio Lower Upper

82 100

128 47.9 36.1 54.1

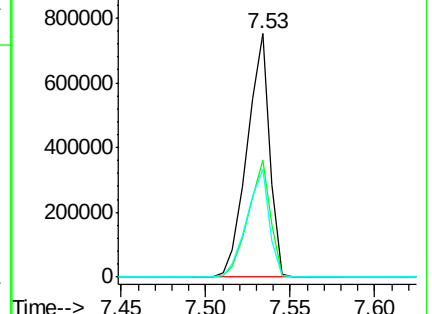
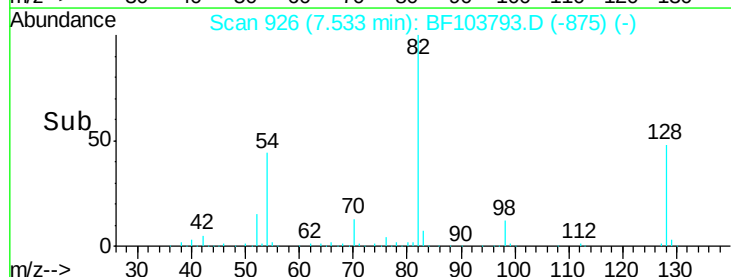
54 44.2 41.4 62.2

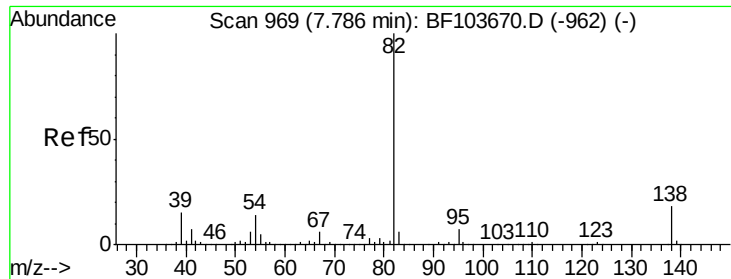


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.615 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampleId :

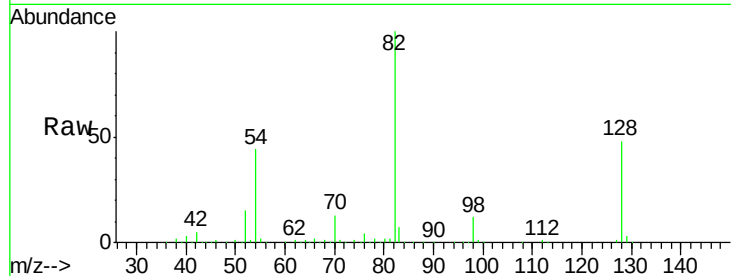
Tot Ion: 82 Resp: 697947

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

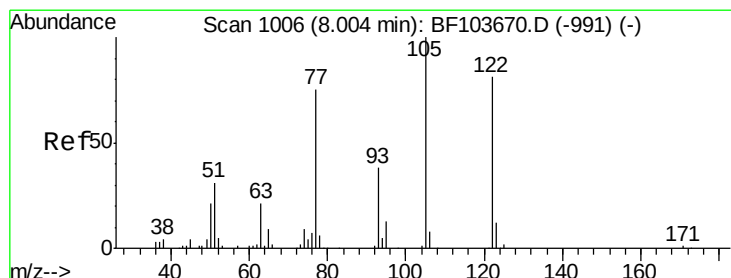
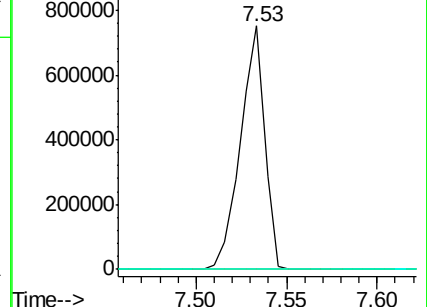
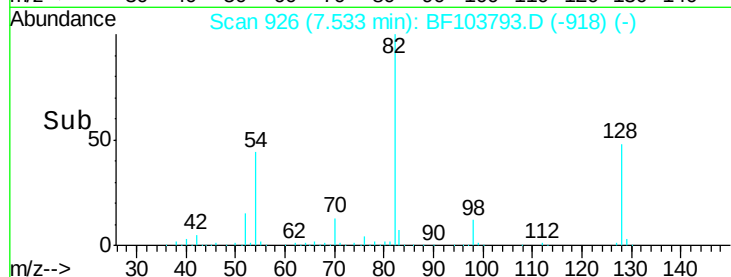
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 10.097 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

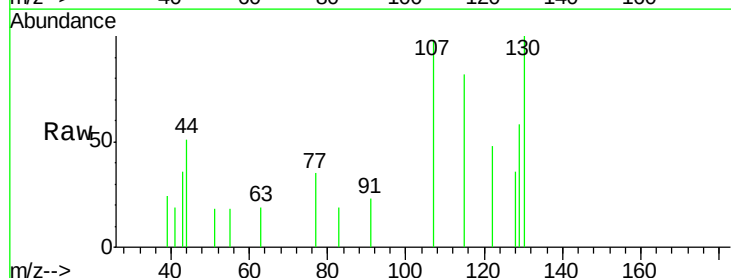
Tgt Ion: 122 Resp: 1517

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

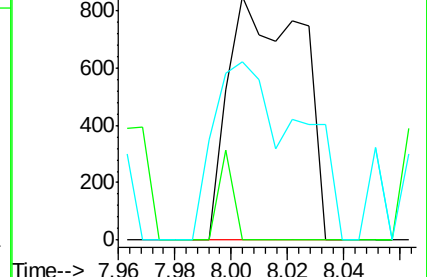
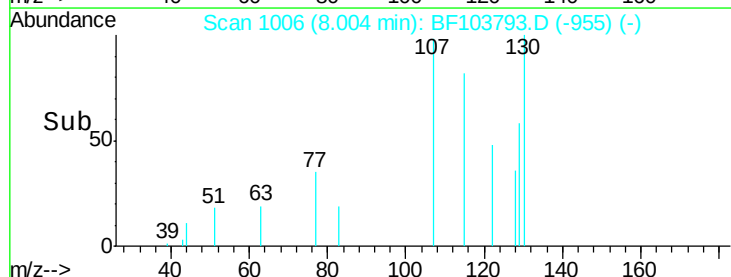
77 73.4 70.7 110.7

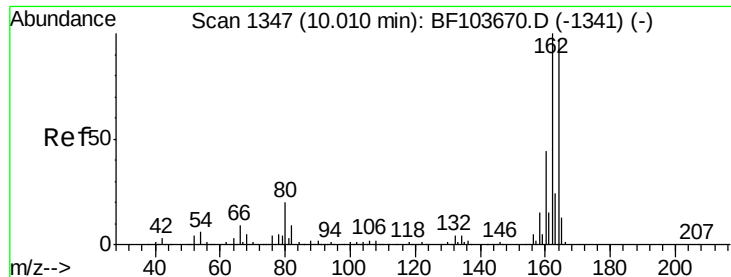


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

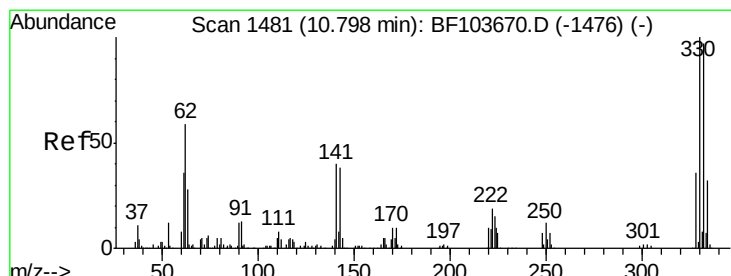
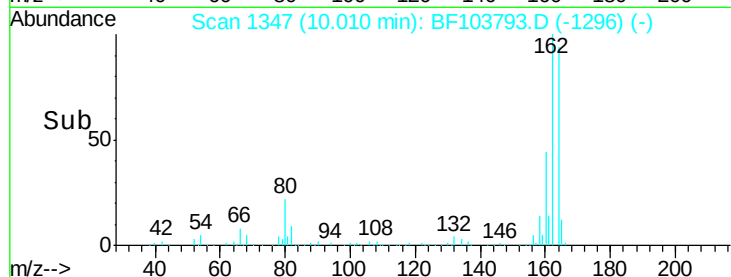
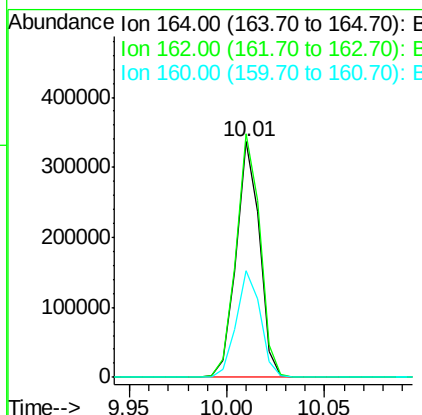
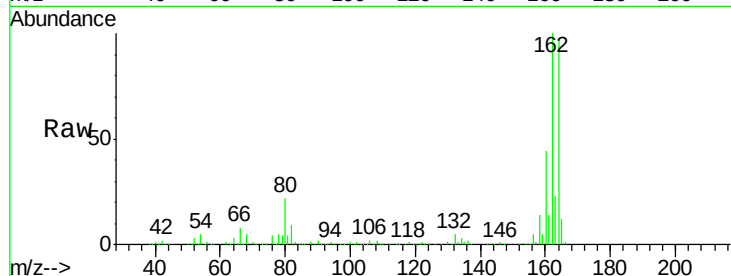




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

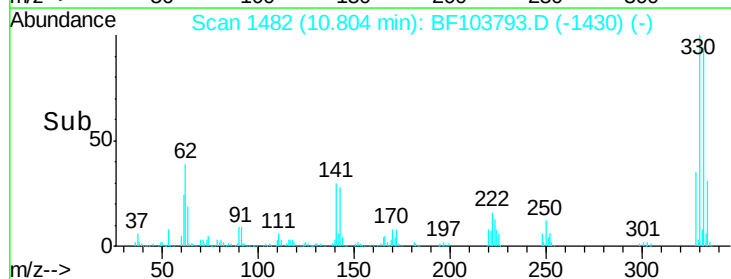
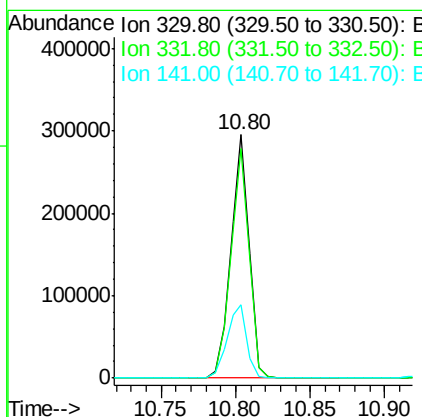
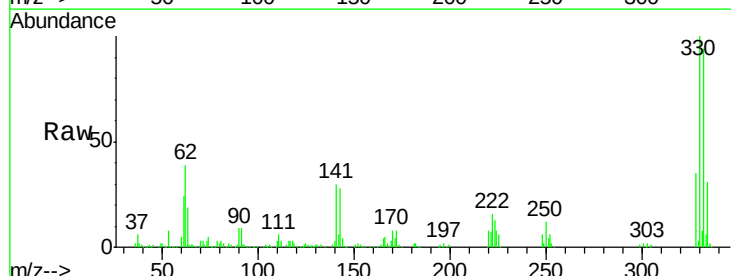
Instrument :
 BNA_F
 ClientSampleId :

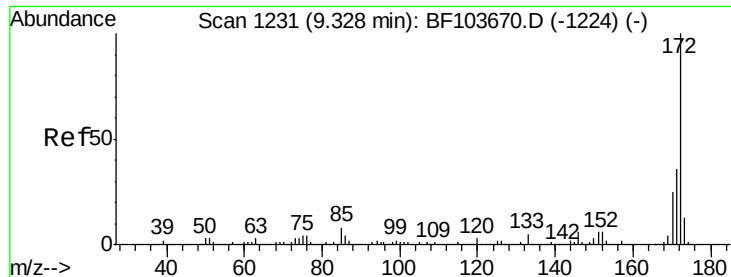
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	45.5	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 106.851 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.8	29.9	44.9

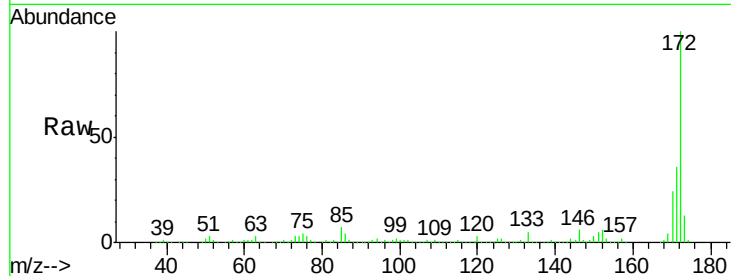




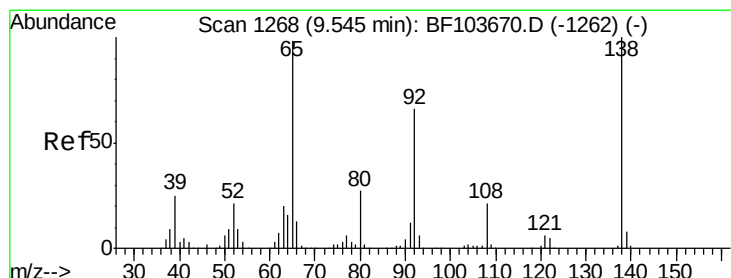
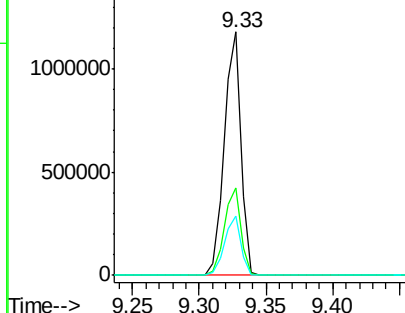
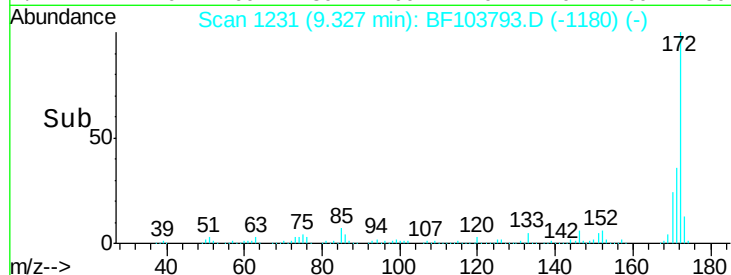
#44
2-Fluorobiphenyl
Concen: 59.791 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1045277
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.3 19.6 29.4

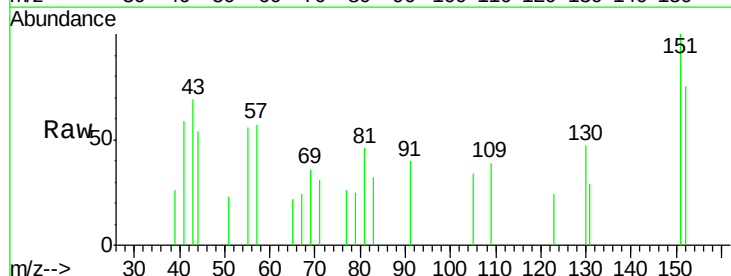


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

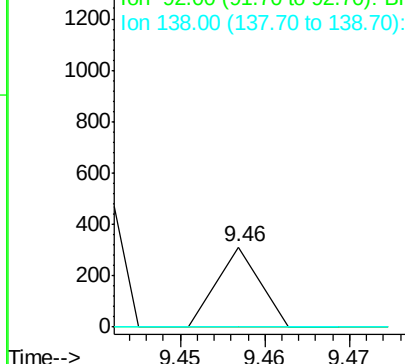
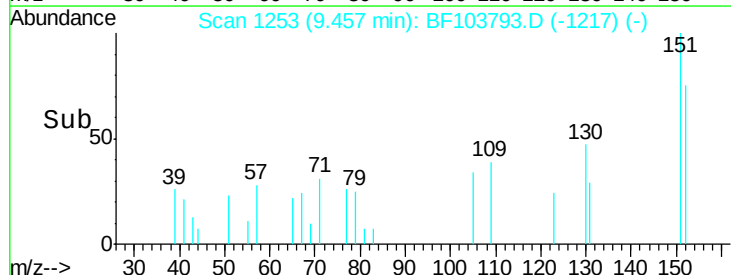


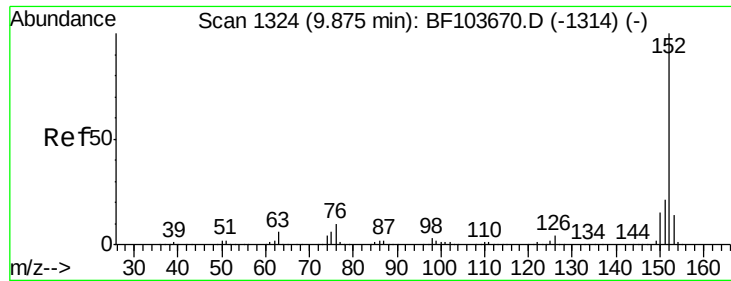
#47
2-Nitroaniline
Concen: 6.834 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.09 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Tgt Ion: 65 Resp: 110
Ion Ratio Lower Upper
65 100
92 0.0 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): E





#48

Acenaphthylene

Concen: 4.678 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampleId :

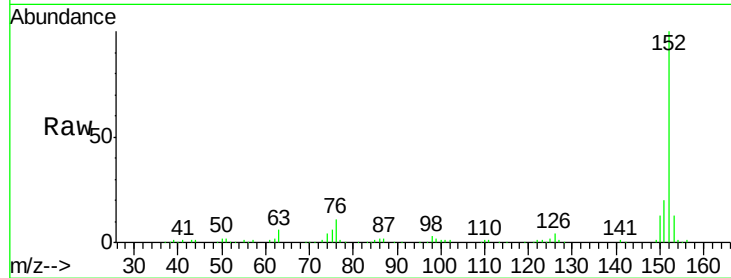
Tot Ion:152 Resp: 133986

Ion Ratio Lower Upper

152 100

151 19.7 16.3 24.5

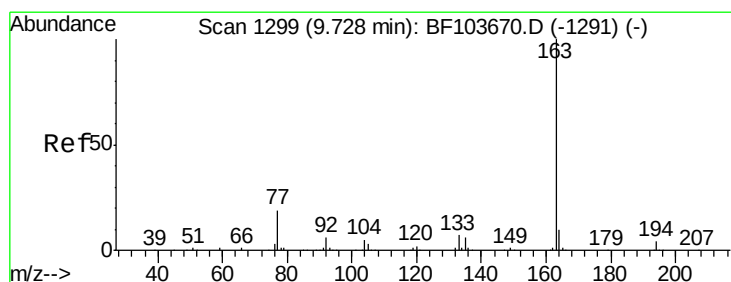
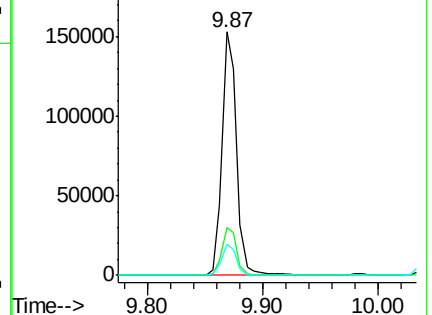
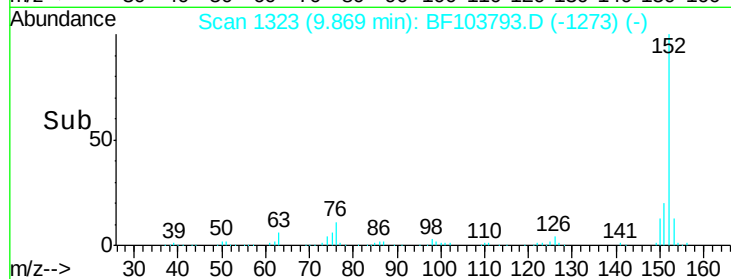
153 12.9 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.026 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

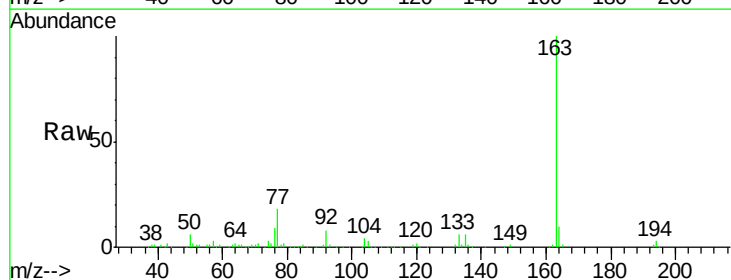
Tgt Ion:163 Resp: 149482

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

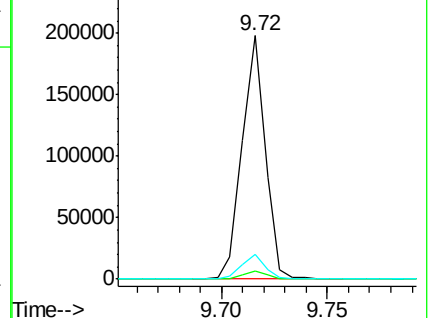
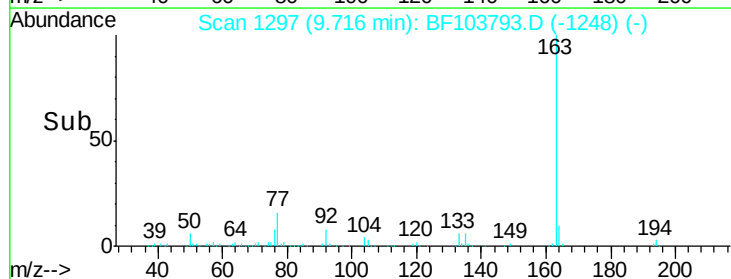
164 10.2 8.2 12.2

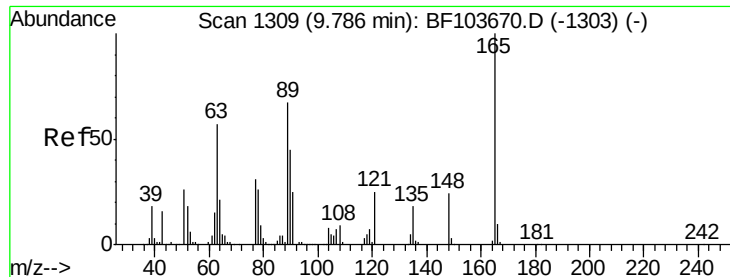


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

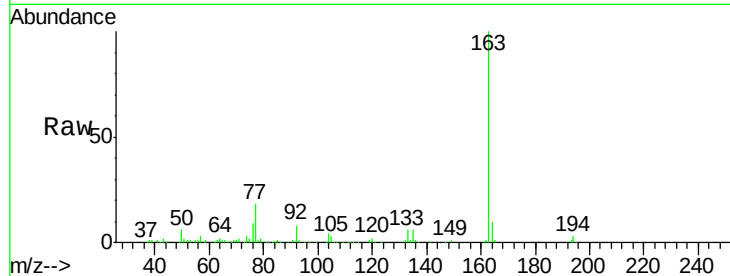




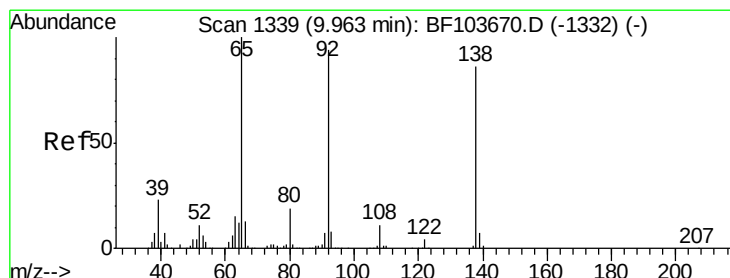
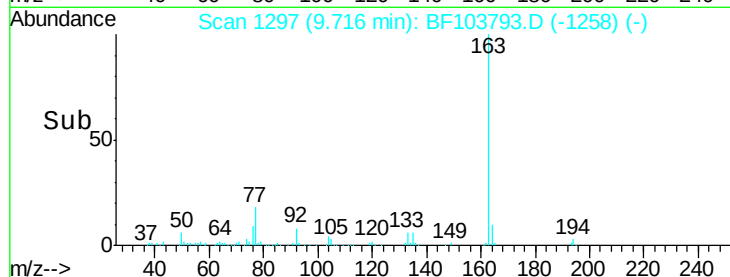
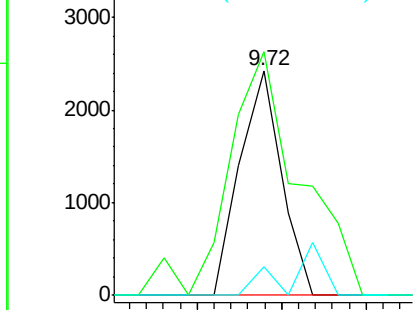
#50
 2,6-Dinitrotoluene
 Concen: 4.354 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.07 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 1664
 Ion Ratio Lower Upper
 165 100
 63 108.2 44.7 67.1#
 89 12.7 44.0 66.0#

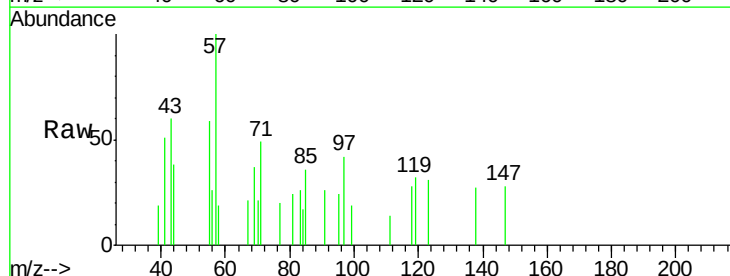


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

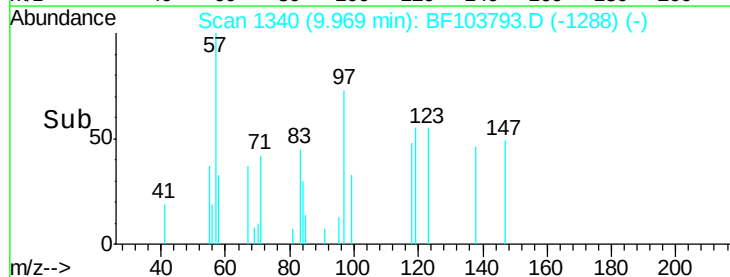
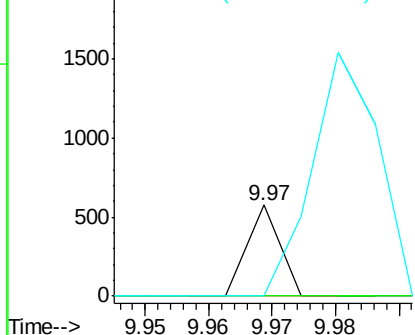


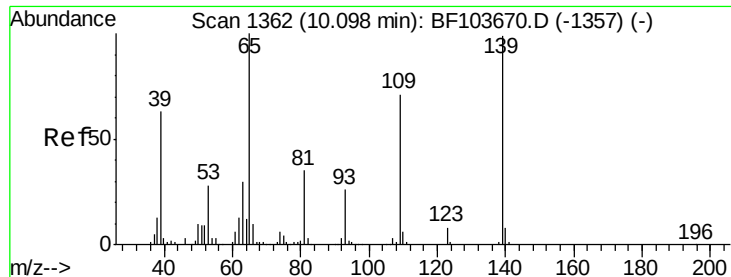
#52
 3-Nitroaniline
 Concen: 3.852 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Tgt Ion:138 Resp: 204
 Ion Ratio Lower Upper
 138 100
 108 0.0 9.4 14.0#
 92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

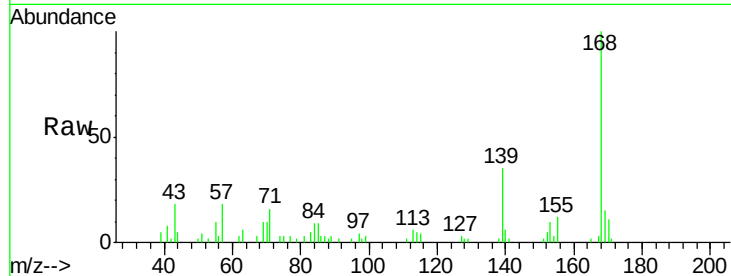




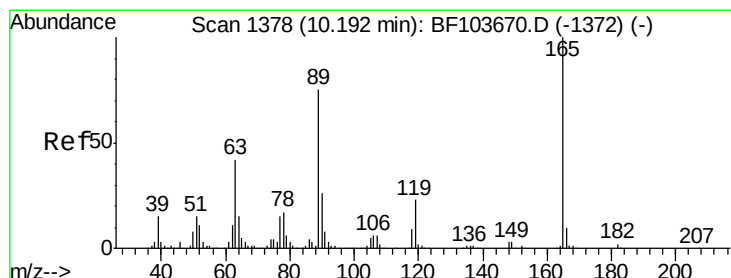
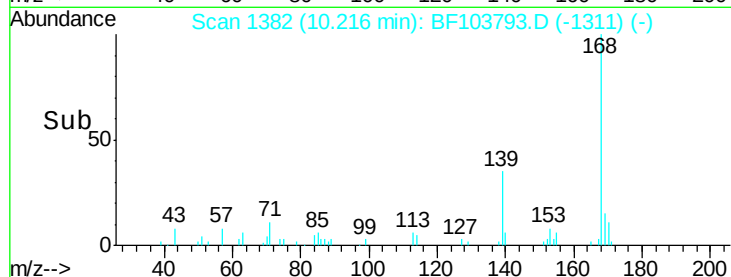
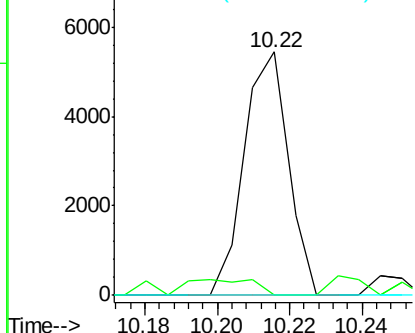
#55
4-Nitrophenol
Concen: 6.074 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.12 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 4585
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

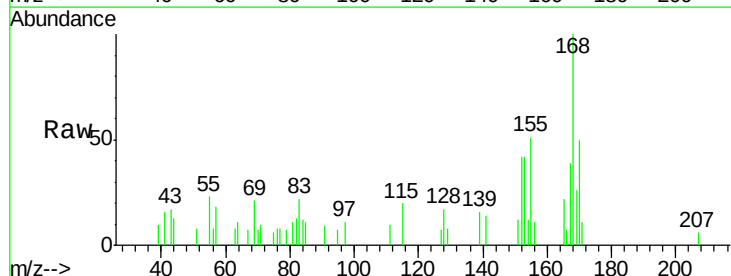


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

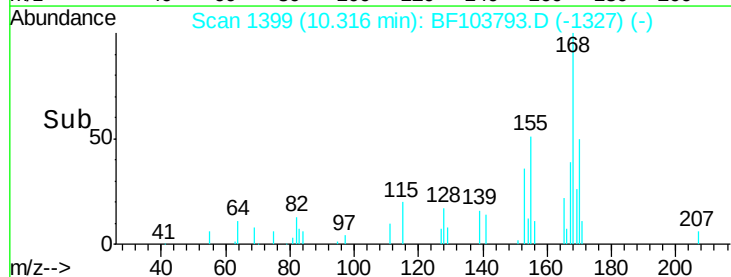
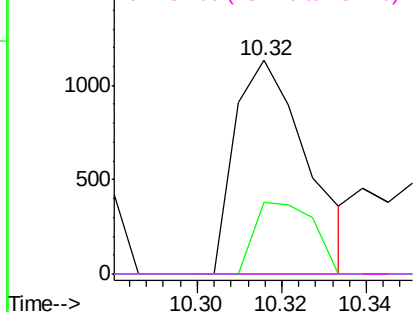


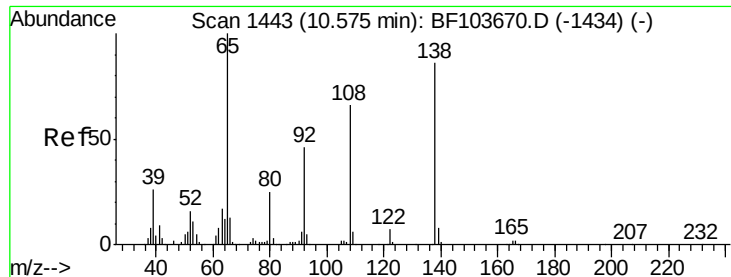
#56
2,4-Dinitrotoluene
Concen: 6.438 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.12 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Tgt Ion:165 Resp: 1343
Ion Ratio Lower Upper
165 100
63 33.7 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

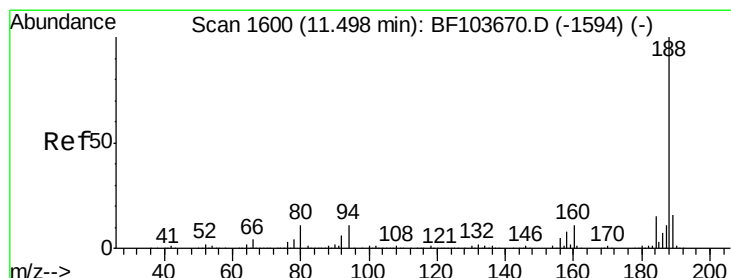
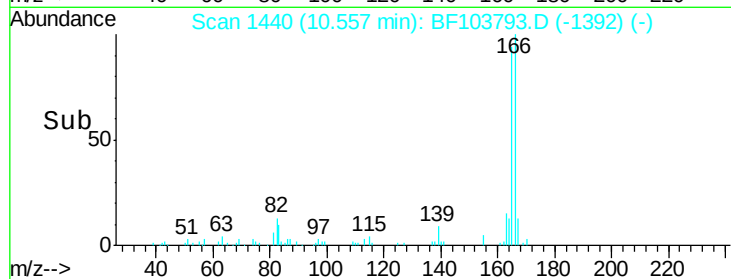
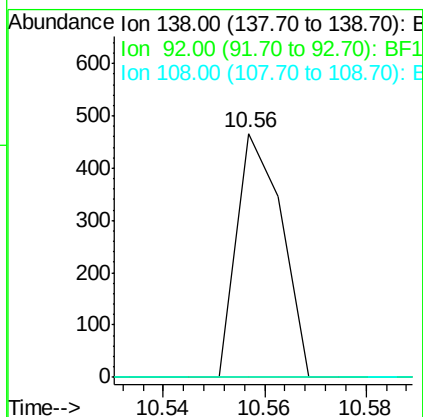
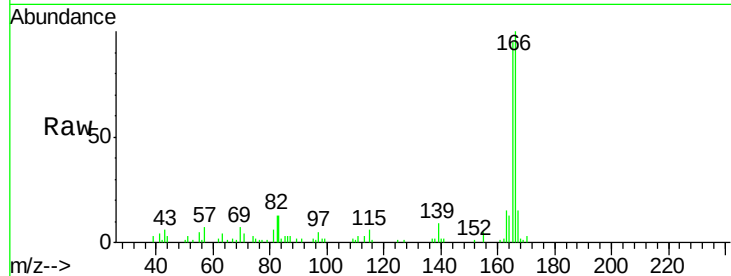




#61
4-Nitroaniline
Concen: 3.805 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

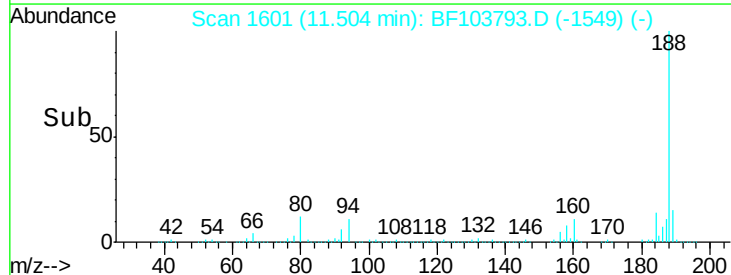
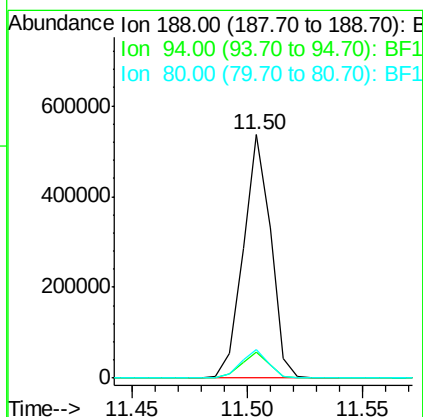
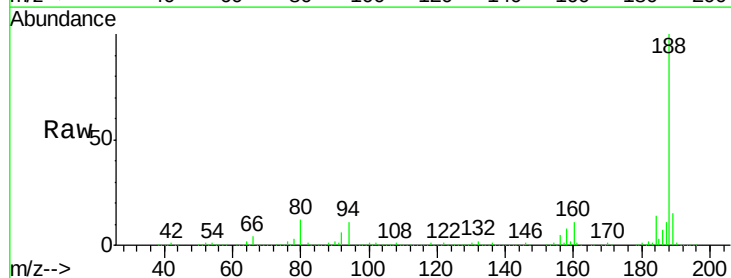
Instrument :
BNA_F
ClientSampleId :

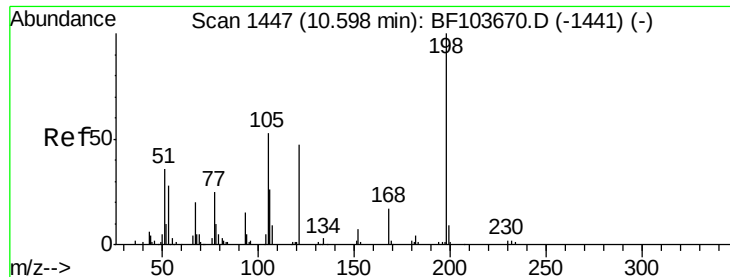
Tot Ion:138 Resp: 287
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Tgt Ion:188 Resp: 444658
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.6 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.384 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.21 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampled :

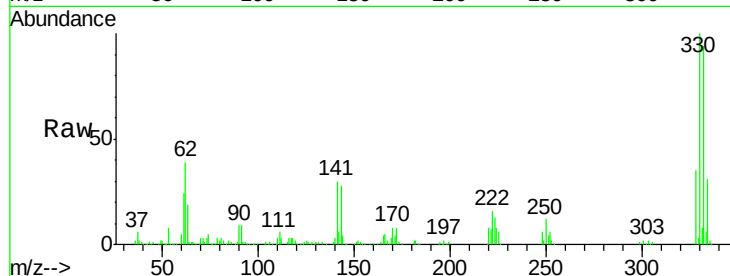
Tot Ion:198 Resp: 397

Ion Ratio Lower Upper

198 100

51 179.6 37.7 77.7#

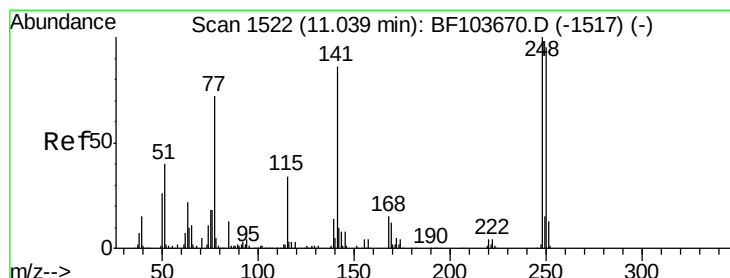
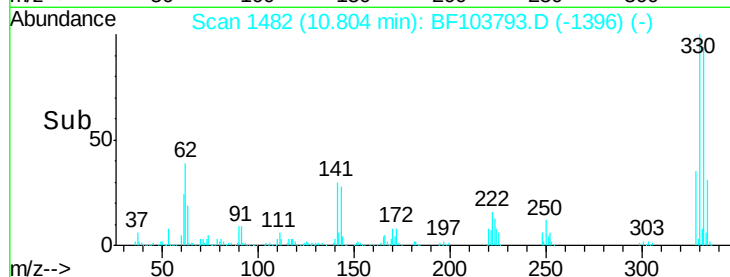
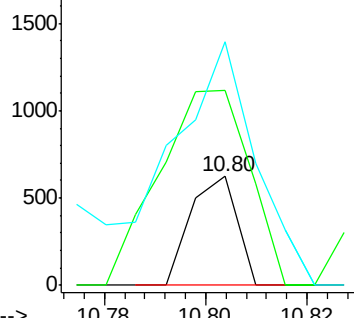
105 224.1 36.3 76.3#



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: 3.372 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.24 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

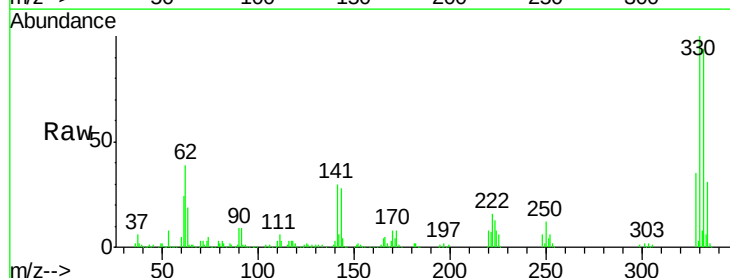
Tgt Ion:248 Resp: 15396

Ion Ratio Lower Upper

248 100

250 203.6 76.9 115.3#

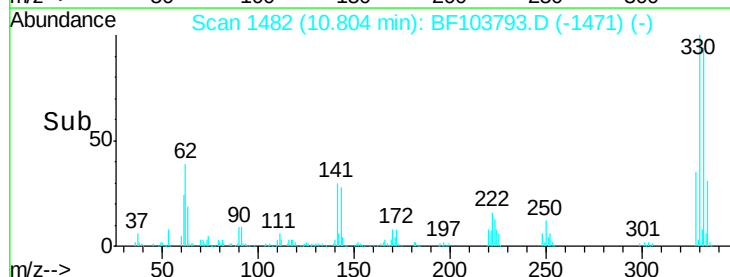
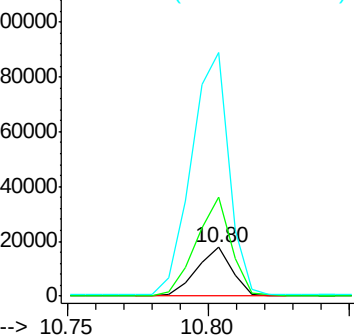
141 502.7 74.4 111.6#

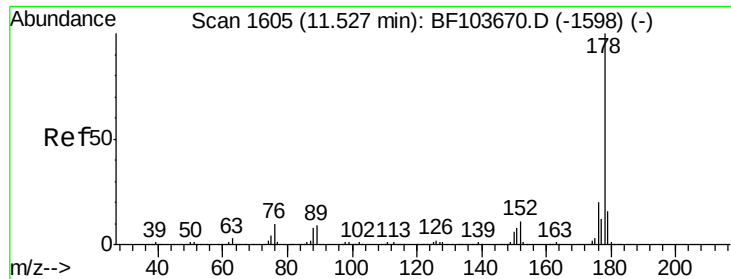


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

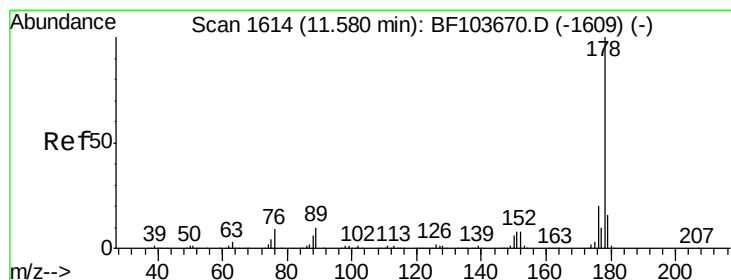
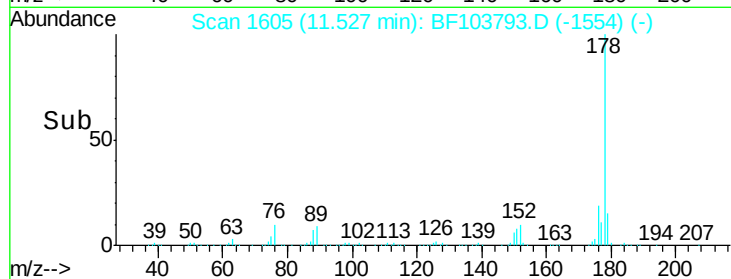
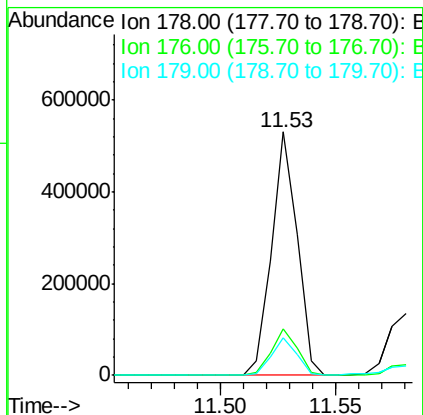
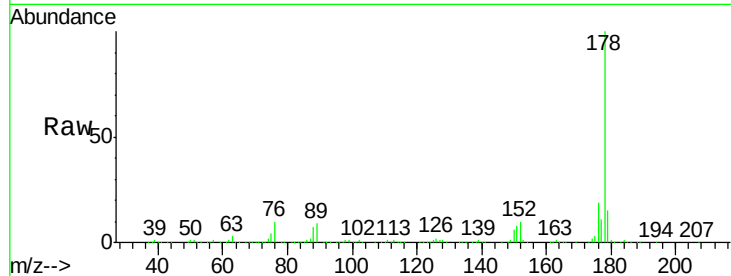




#70
Phenanthrene
Concen: 16.814 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

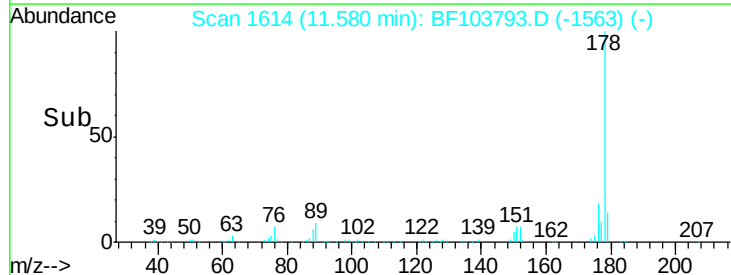
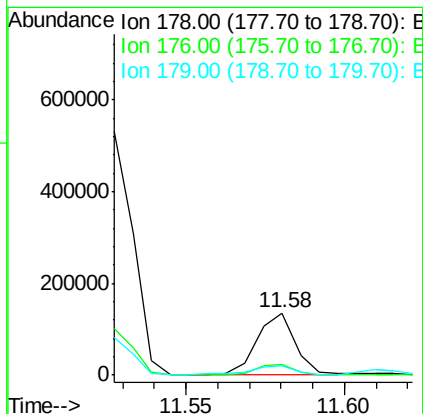
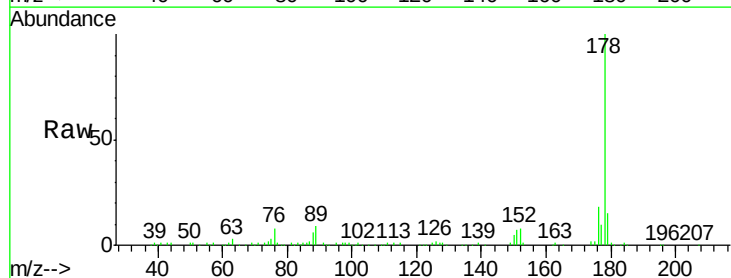
Instrument :
BNA_F
ClientSampleId :

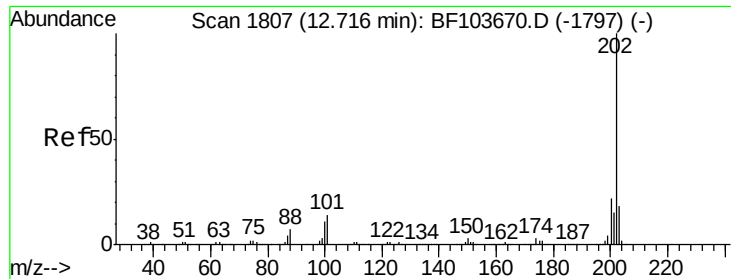
Tot Ion:178 Resp: 408978
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.3 13.0 19.6



#71
Anthracene
Concen: 4.432 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Tgt Ion:178 Resp: 109493
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 14.6 12.6 19.0





#74

Fluoranthene

Concen: 33.530 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampled :

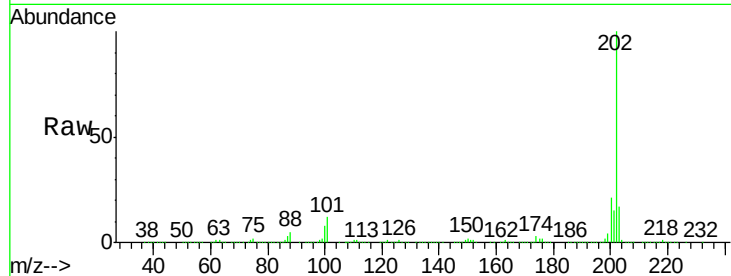
Tot Ion:202 Resp: 840232

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

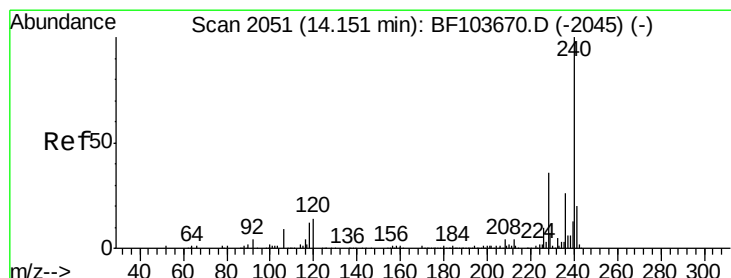
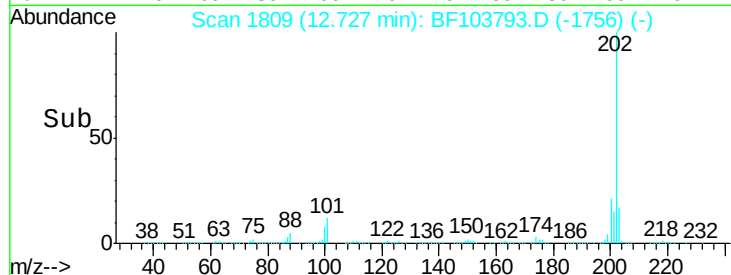
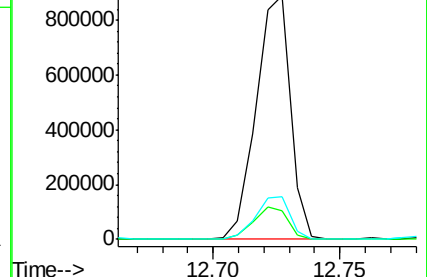
203 17.5 0.0 38.1



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: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

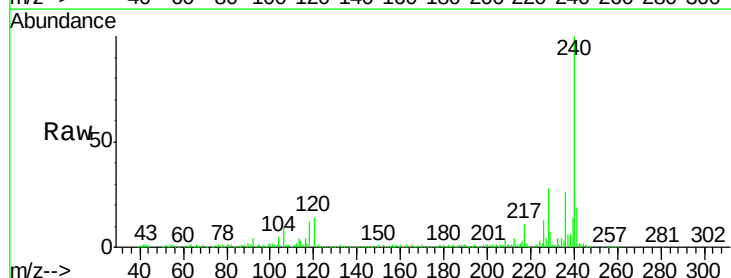
Tgt Ion:240 Resp: 300124

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

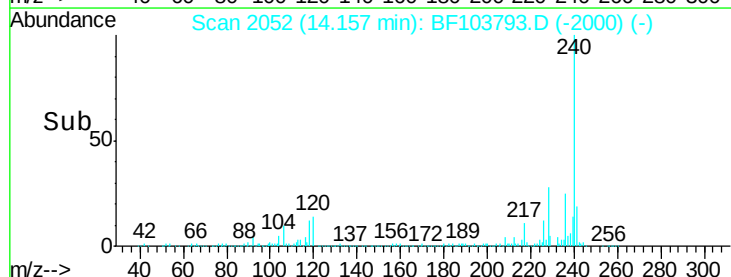
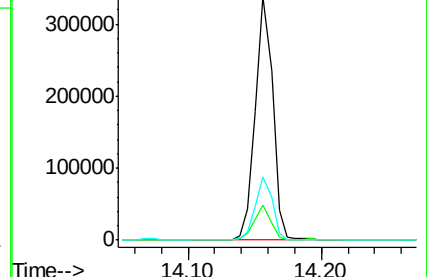
236 25.8 20.7 31.1

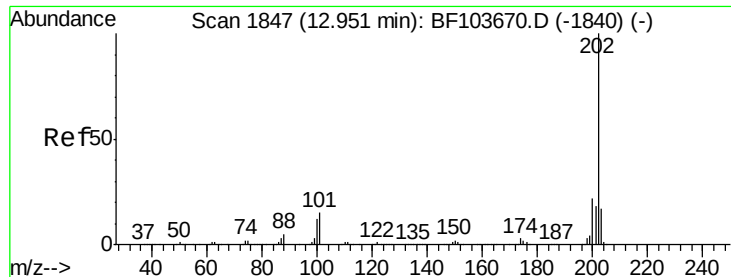


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 35.680 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF103793.D

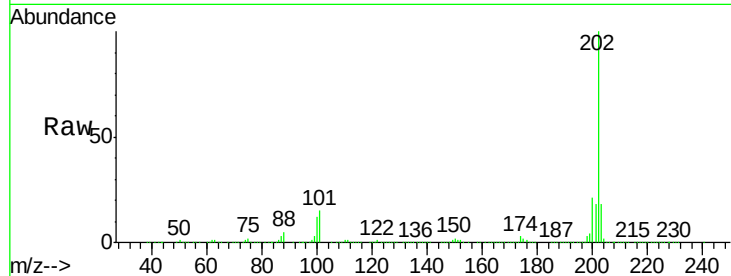
Acq: 20 Mar 2018 9:02

Instrument :

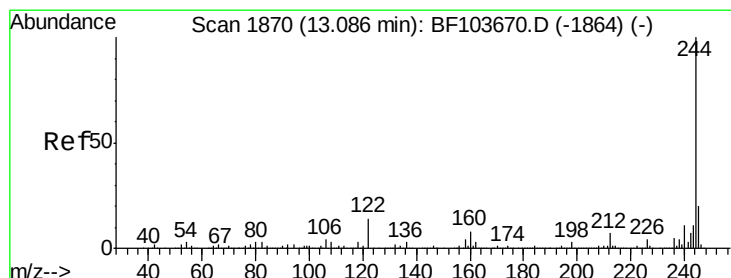
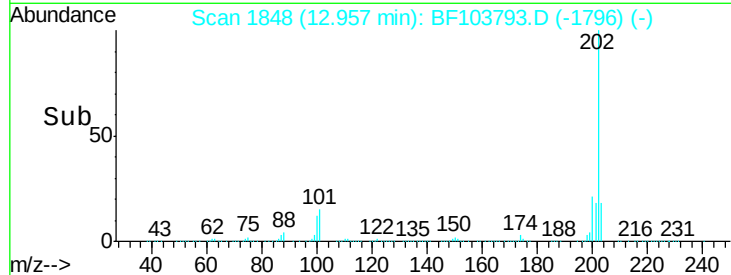
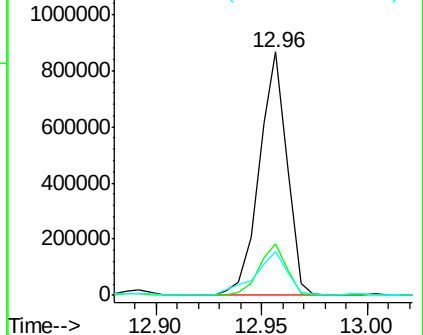
BNA_F

ClientSampled :

Tot Ion:	202	Resp:	786426
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.0	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: 60.915 ng

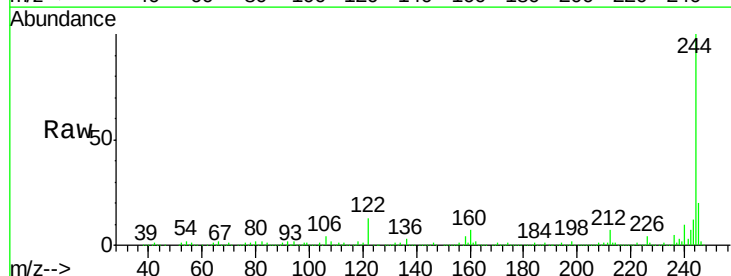
RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

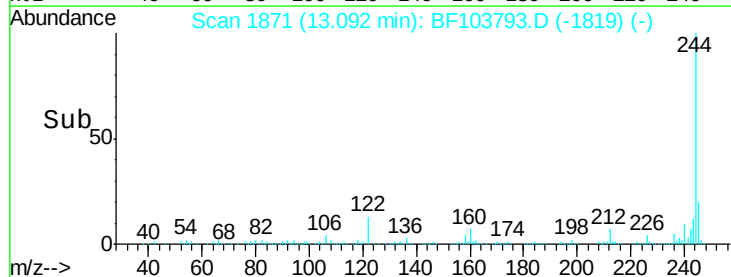
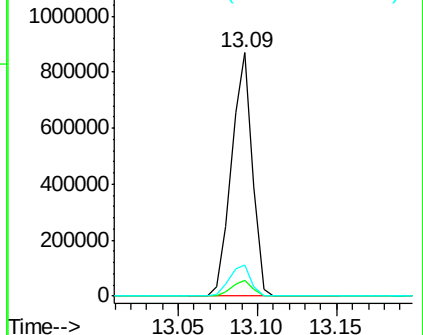
Lab File: BF103793.D

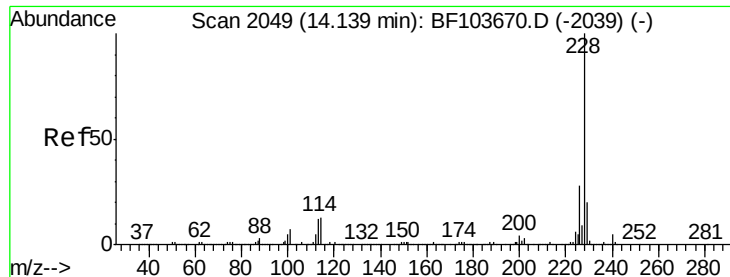
Acq: 20 Mar 2018 9:02

Tgt Ion:	244	Resp:	787636
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.7	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: 21.632 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.05 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampleId :

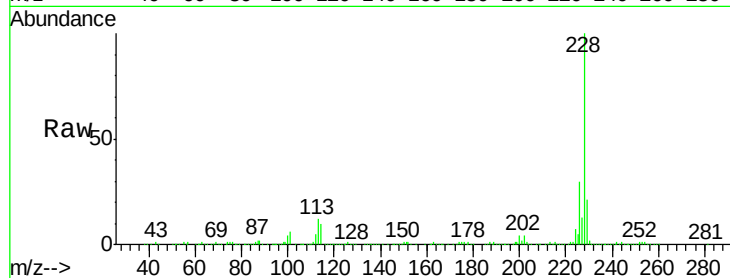
Tot Ion:228 Resp: 410955

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

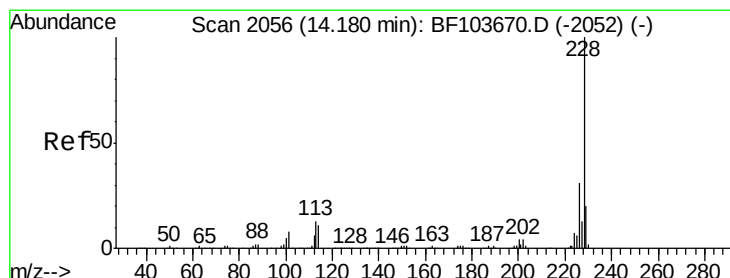
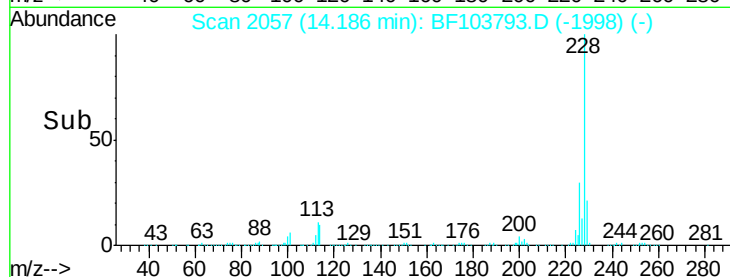
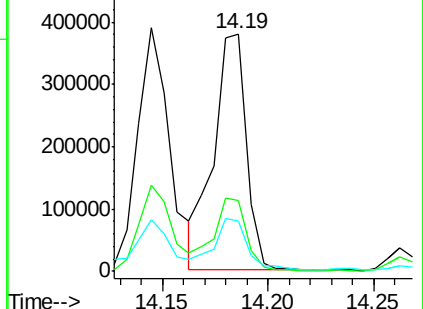
229 21.3 15.8 23.6



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: 22.693 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

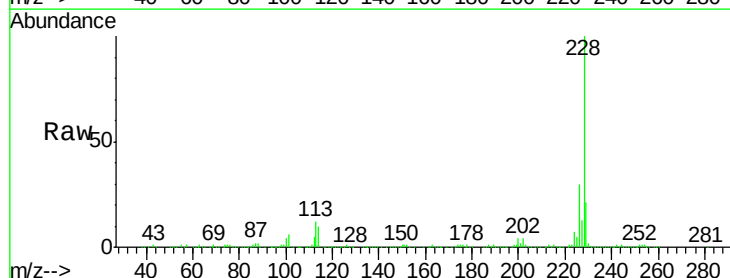
Tgt Ion:228 Resp: 410955

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

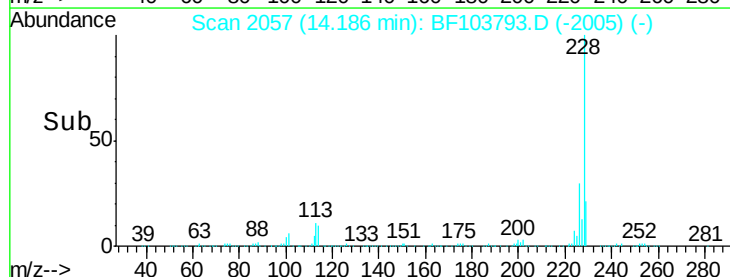
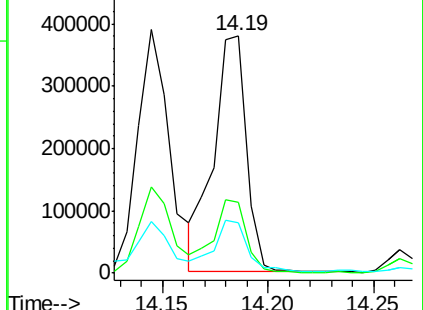
229 21.3 16.2 24.4

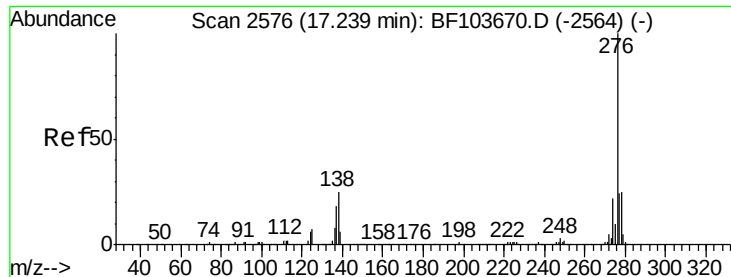


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 13.664 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.02 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampled :

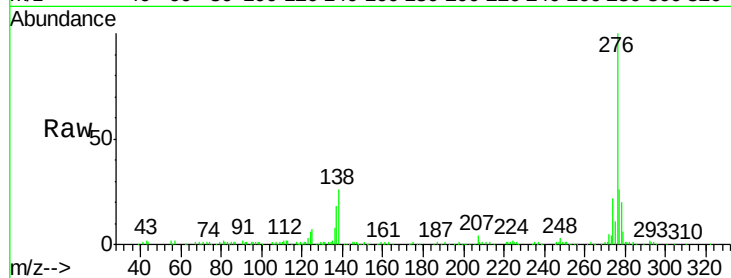
Tot Ion:276 Resp: 216094

Ion Ratio Lower Upper

276 100

138 24.9 25.0 37.6#

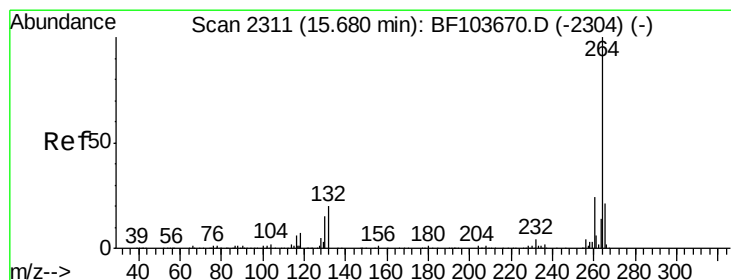
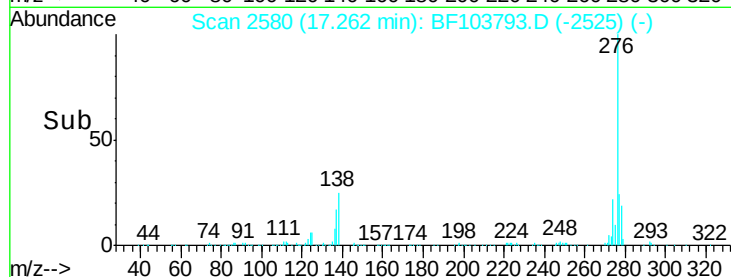
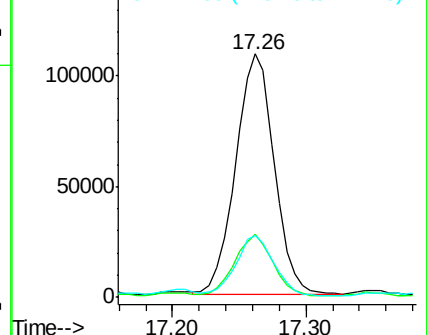
277 25.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

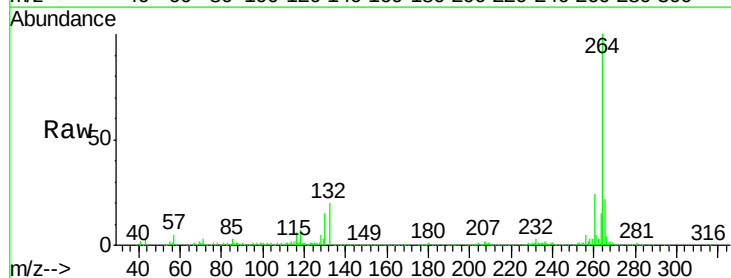
Tgt Ion:264 Resp: 264709

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

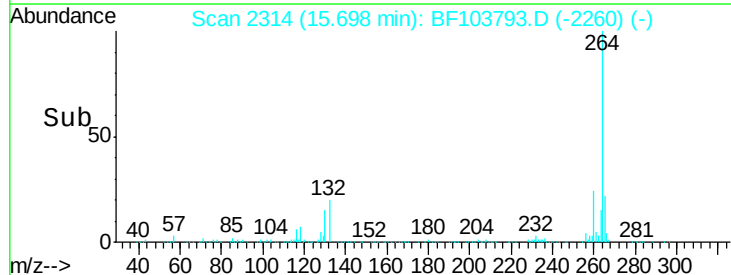
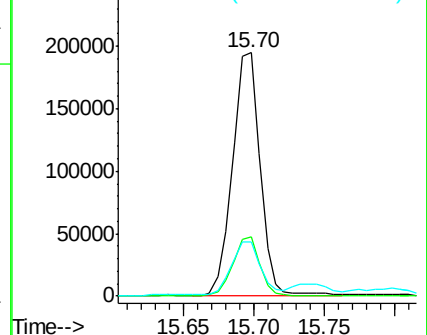
265 22.2 17.5 26.3

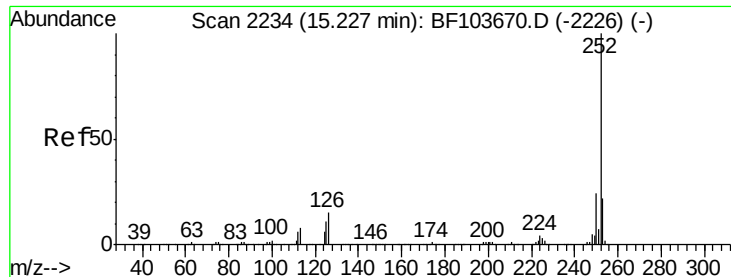


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 42.530 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

ClientSampleId :

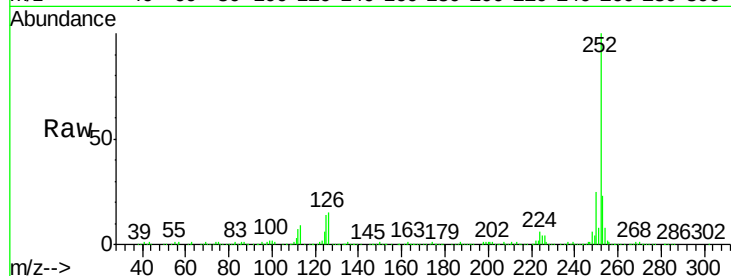
Tot Ion:252 Resp: 711254

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

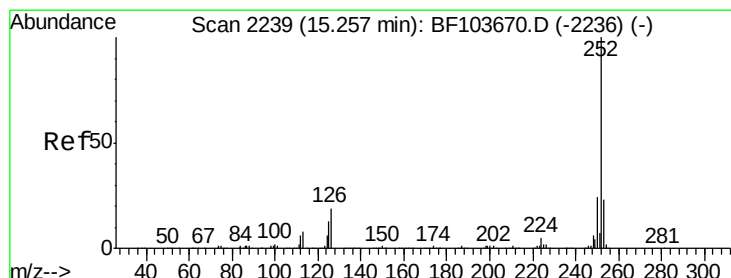
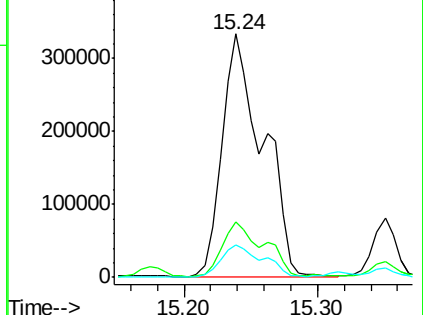
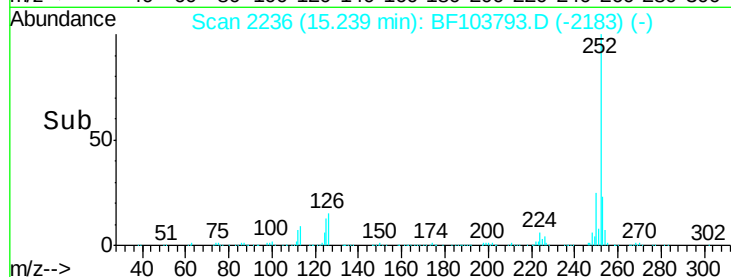
125 13.6 9.0 13.6



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: 44.243 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

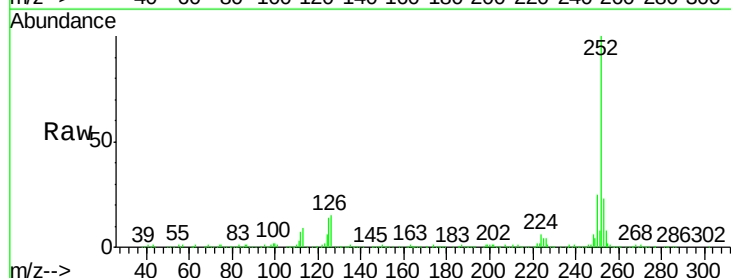
Tgt Ion:252 Resp: 711254

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

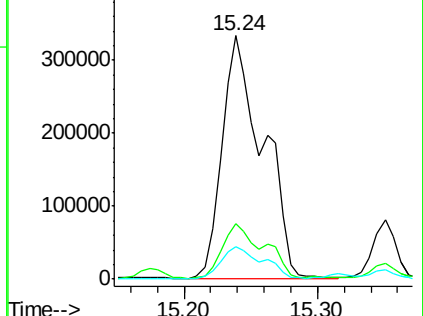
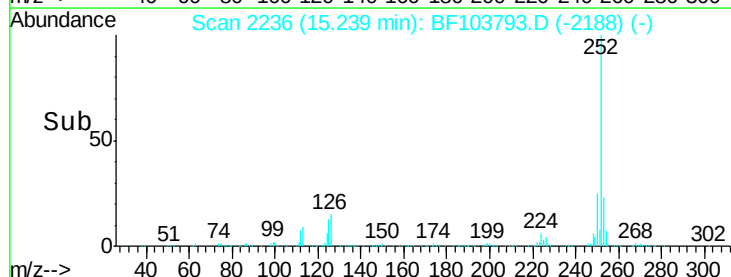
125 13.6 10.2 15.2

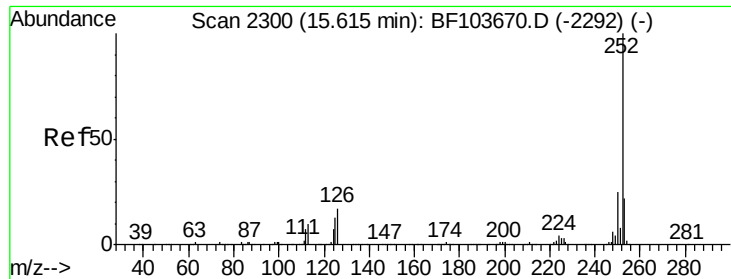


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

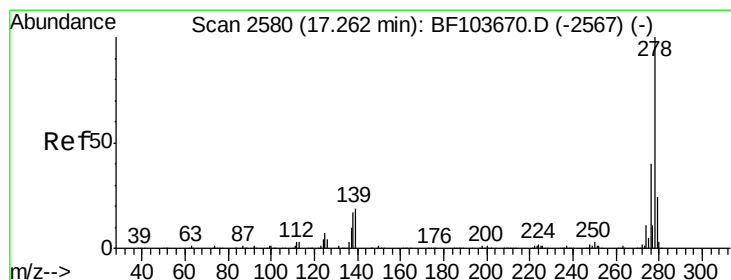
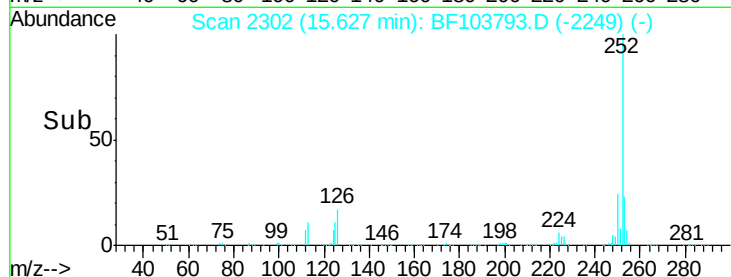
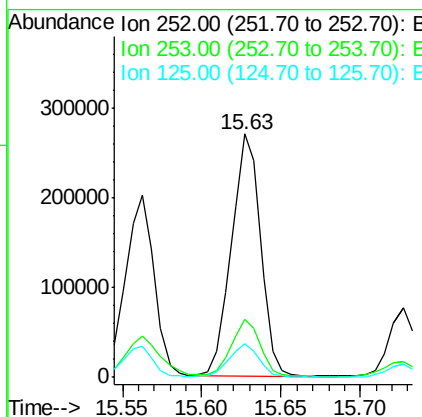
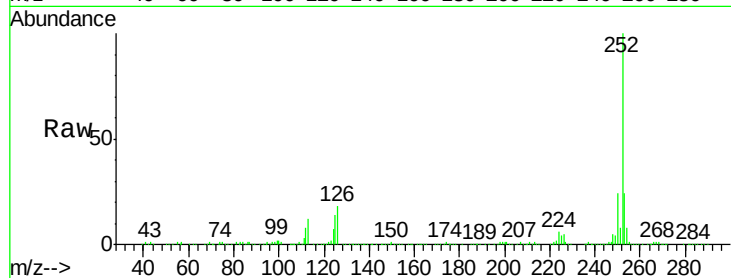




#89
Benzo(a)pyrene
Concen: 22.758 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

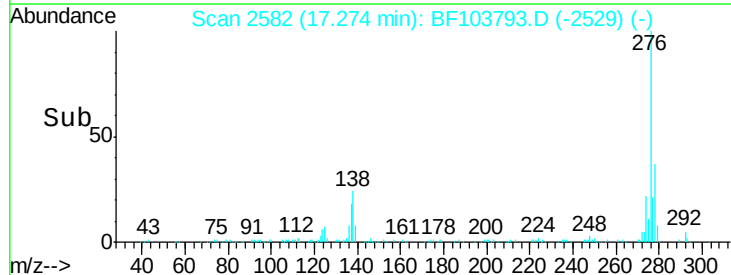
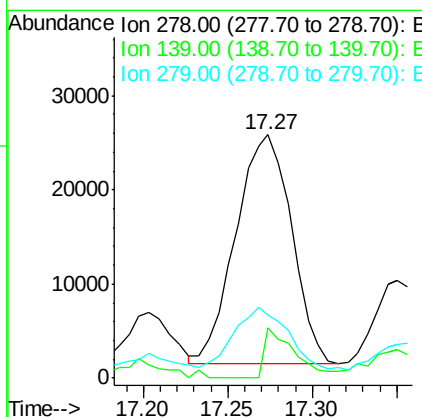
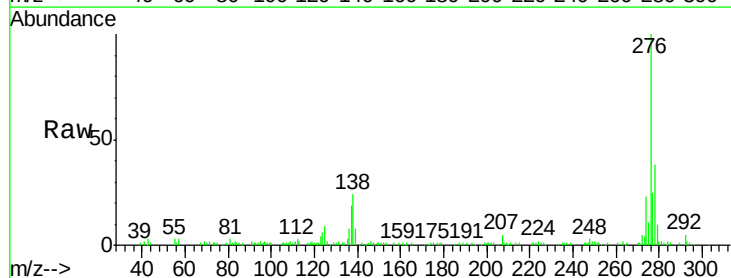
Instrument :
BNA_F
ClientSampleId :

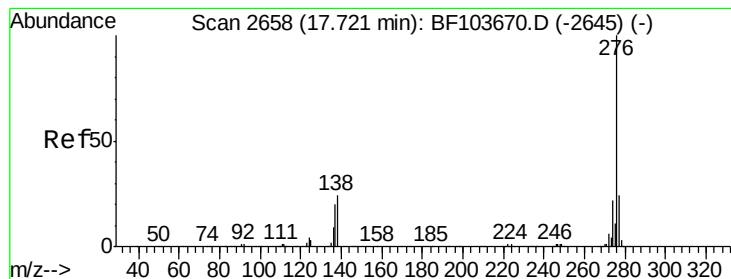
Tot Ion:252 Resp: 345210
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 13.8 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 4.257 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.01 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Tgt Ion:278 Resp: 55910
Ion Ratio Lower Upper
278 100
139 20.8 15.9 23.9
279 25.7 19.0 28.4





#91
 Benzo(a,h,i)perylene
 Concen: 15.477 ng
 RT: 17.74 min Scan# 2662
 Delta R.T. 0.02 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	24.5	21.8	32.8

