

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103762.D
 Acq On : 19 Mar 2018 18:16
 Operator : JU/SJ
 Sample : J1755-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 00:55:55 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	150173	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	595422	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	258988	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	403920	20.00	ng	0.00
75) Chrysene-d12	14.15	240	304308	20.00	ng	0.00
86) Perylene-d12	15.69	264	249075	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	201520	20.41	ng	0.00
7) Phenol-d6	6.58	99	245083	20.29	ng	0.00
23) Nitrobenzene-d5	7.52	82	138248	16.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	48361	21.72	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	266081	16.39	ng	0.00
78) Terphenyl-d14	13.09	244	253007	19.30	ng	0.00

Target Compounds

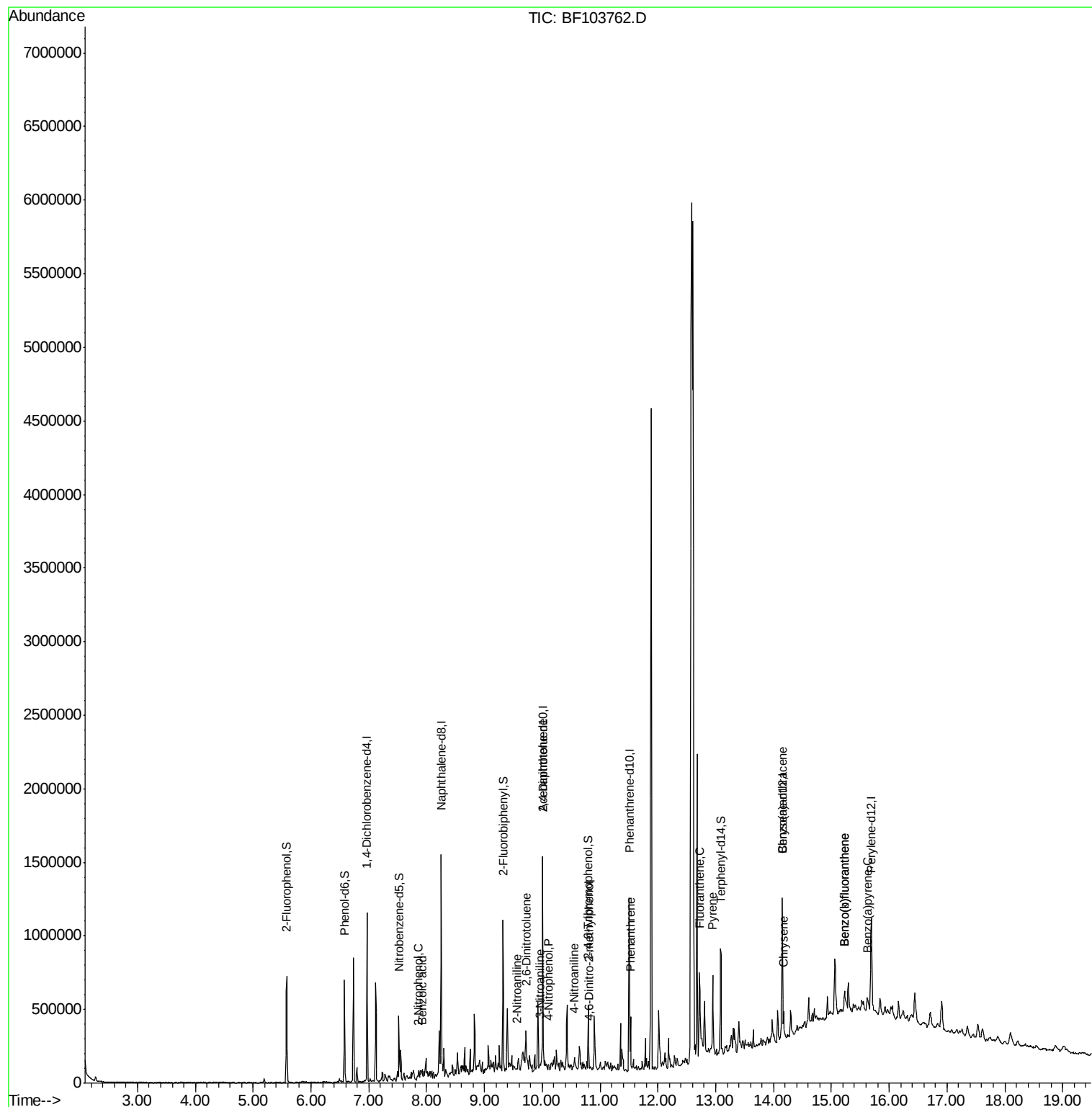
						Qvalue
26) 2-Nitrophenol	7.86	139	133	9.474	ng	# 1
32) Benzoic acid	7.93	122	1565	10.113	ng	# 56
47) 2-Nitroaniline	9.55	65	359	6.883	ng	# 1
50) 2,6-Dinitrotoluene	9.72	165	1818	4.420	ng	# 53
52) 3-Nitroaniline	9.96	138	1062	4.028	ng	# 62
55) 4-Nitrophenol	10.10	139	2606	5.645	ng	# 45
56) 2,4-Dinitrotoluene	10.01	165	37498	12.955	ng	# 24
61) 4-Nitroaniline	10.56	138	547	3.864	ng	# 50
64) 4,6-Dinitro-2-methylphenol	10.82	198	111	8.198	ng	# 1
70) Phenanthrene	11.53	178	130827	5.921	ng	96
74) Fluoranthene	12.72	202	139343	6.121	ng	98
77) Pylene	12.95	202	155640	6.964	ng	99
80) Benzo(a)anthracene	14.14	228	69901	3.629	ng	93
82) Chrysene	14.18	228	71559	3.897	ng	97
87) Benzo(b)fluoranthene	15.23	252	87384	5.553	ng	# 83
88) Benzo(k)fluoranthene	15.23	252	87384	5.777	ng	# 86
89) Benzo(a)pyrene	15.62	252	45880	3.215	ng	# 86

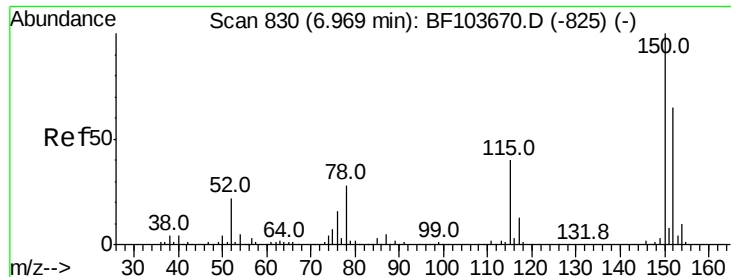
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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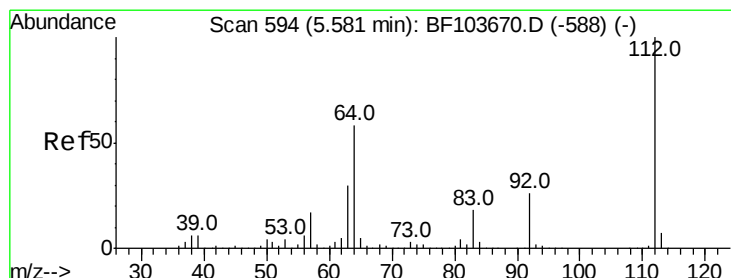
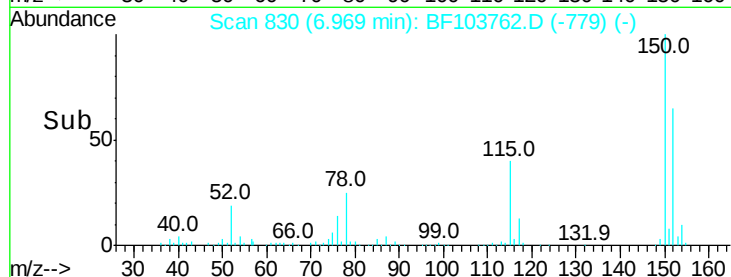
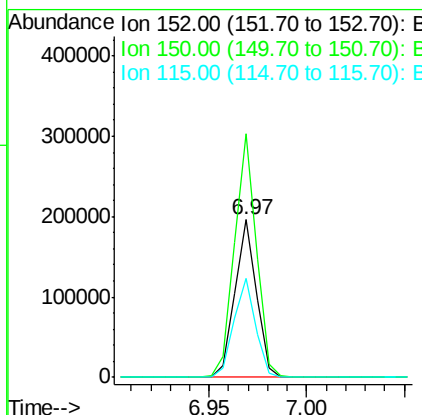
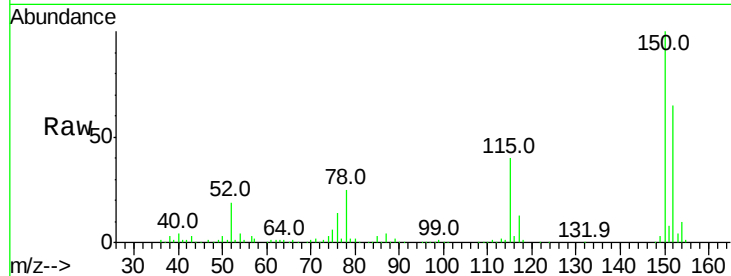


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

Instrument :
BNA_F
ClientSampleId :

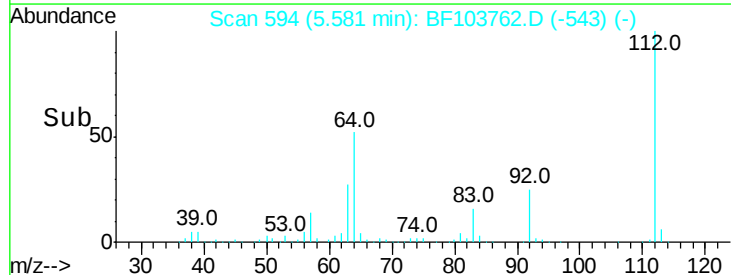
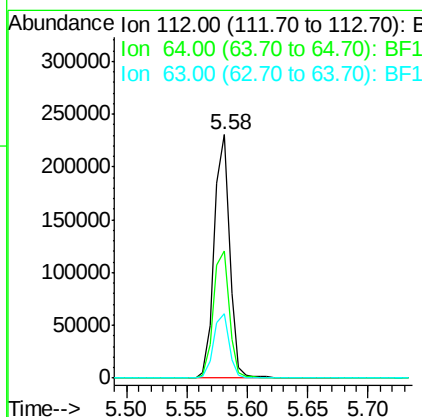
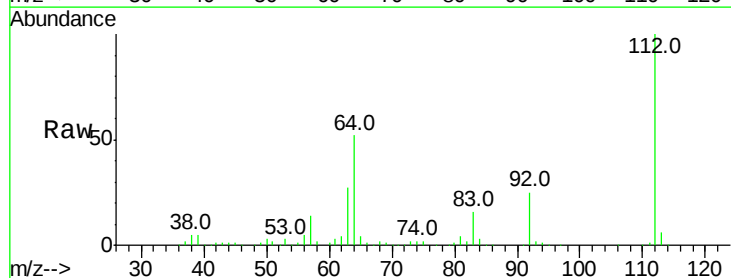
Tot Ion:152 Resp: 150173
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 62.5 50.1 75.1



#5

2-Fluorophenol
Concen: 20.411 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

Tgt Ion:112 Resp: 201520
Ion Ratio Lower Upper
112 100
64 52.3 47.9 71.9
63 26.6 23.7 35.5





#7

Phenol-d6

Concen: 20.289 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

Instrument :

BNA_F

ClientSampleId :

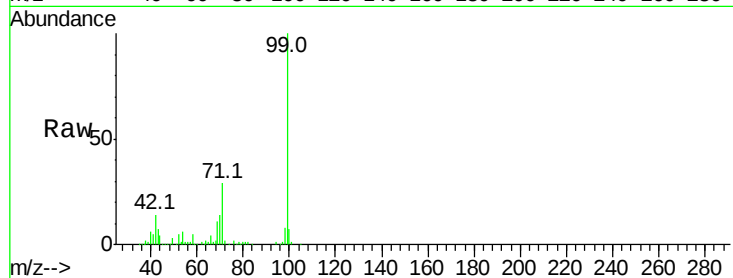
Tot Ion: 99 Resp: 245083

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

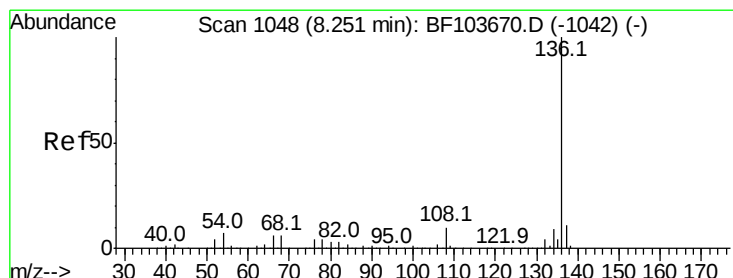
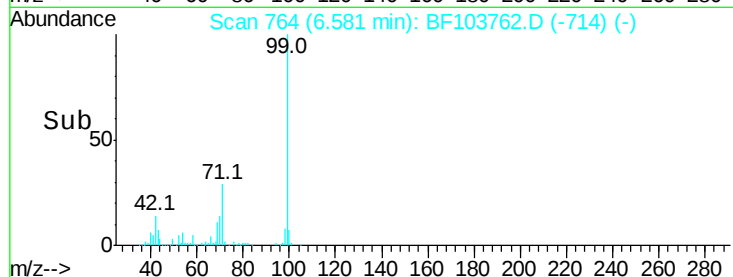
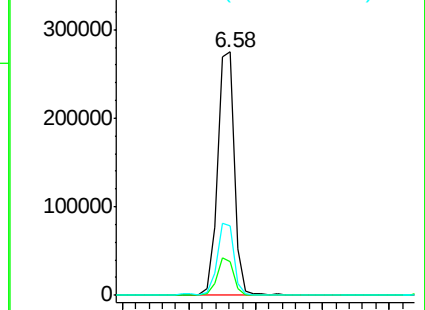
71 28.7 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

Tgt Ion: 136 Resp: 595422

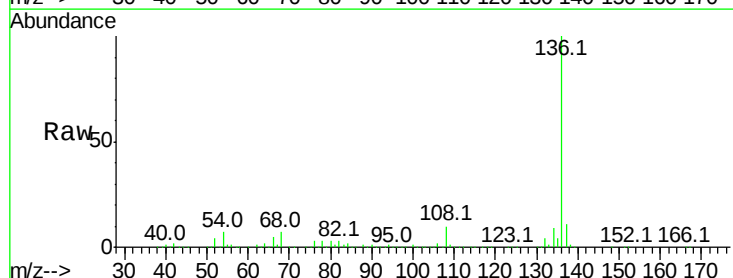
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.3 6.6 9.8

68 6.6 5.0 7.4

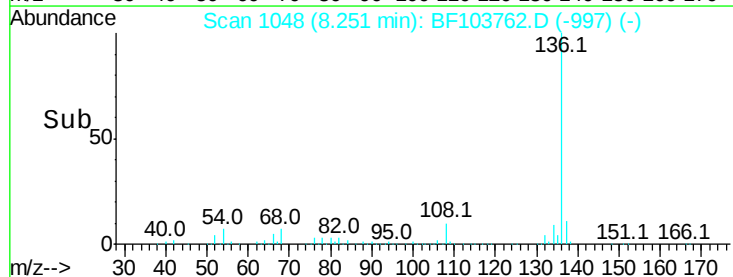
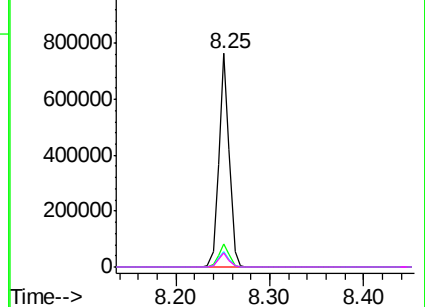


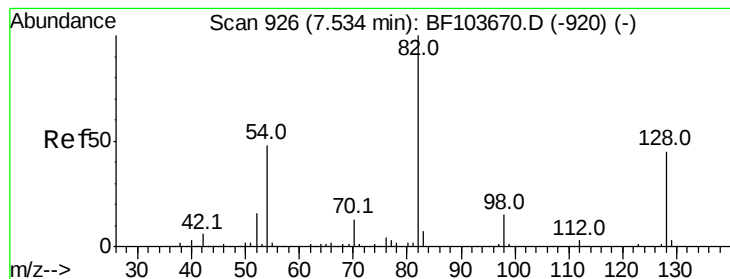
Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.192 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

Instrument :

BNA_F

ClientSampleId :

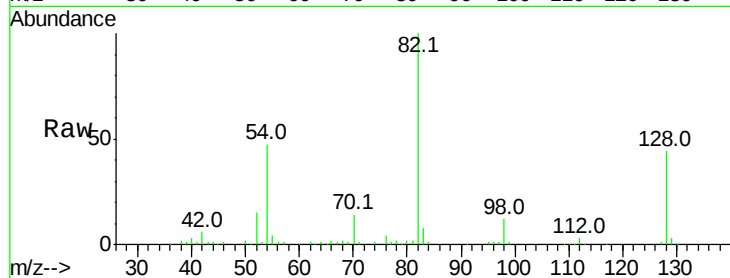
Tot Ion: 82 Resp: 138248

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

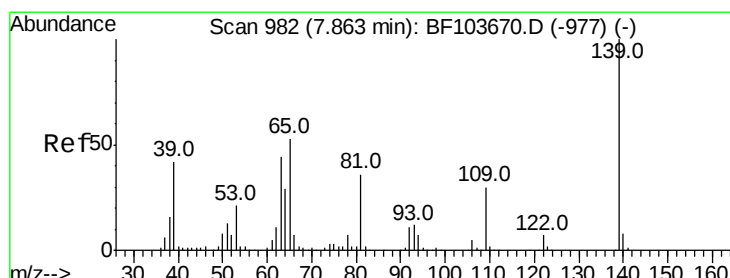
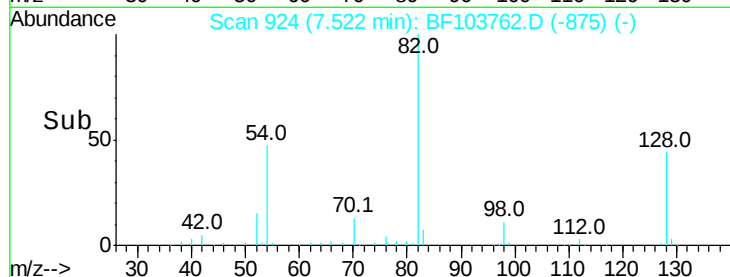
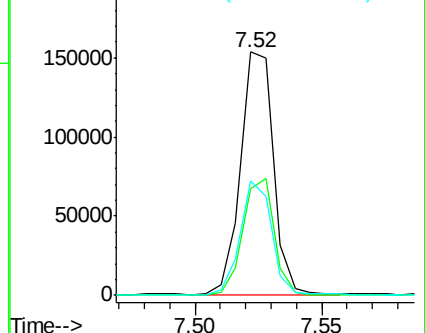
54 47.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#26

2-Nitrophenol

Concen: 9.474 ng

RT: 7.86 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

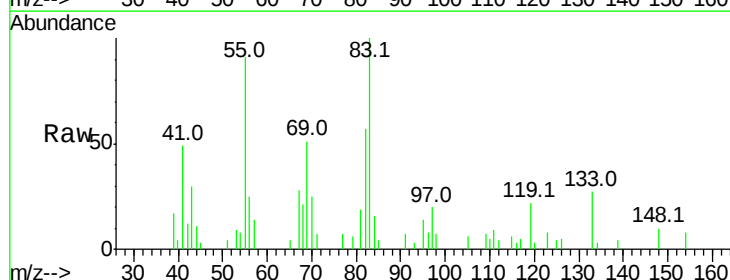
Tgt Ion: 139 Resp: 133

Ion Ratio Lower Upper

139 100

109 206.6 22.7 34.1#

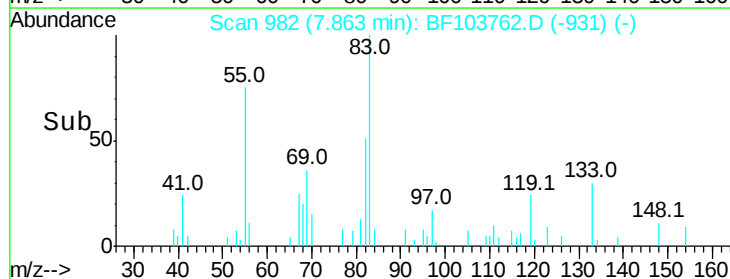
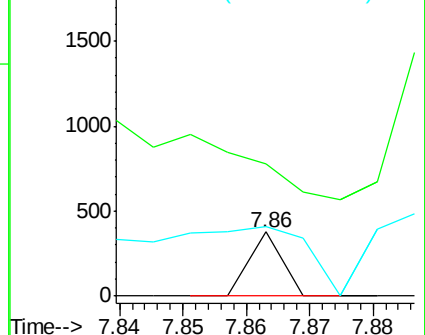
65 108.5 40.5 60.7#

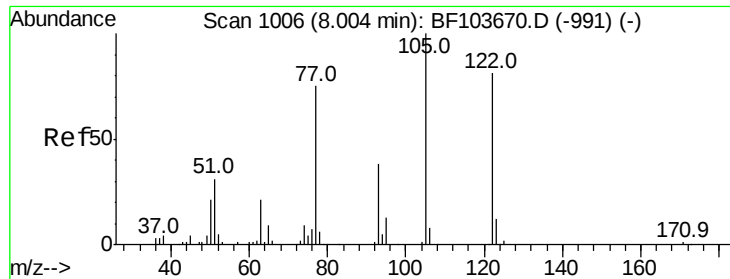


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#32

Benzoic acid

Concen: 10.113 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.08 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

Instrument :

BNA_F

ClientSampleId :

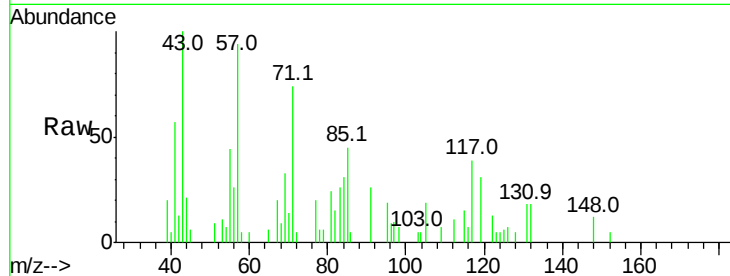
Tot Ion:122 Resp: 1565

Ion Ratio Lower Upper

122 100

105 146.6 101.1 141.1#

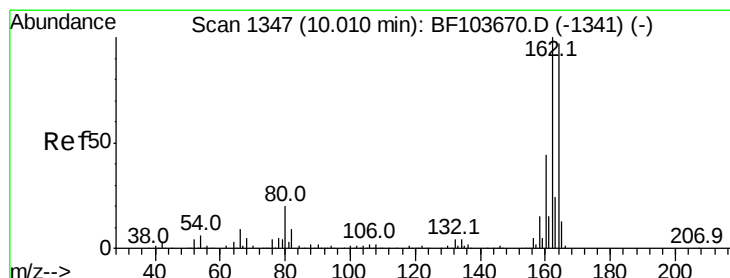
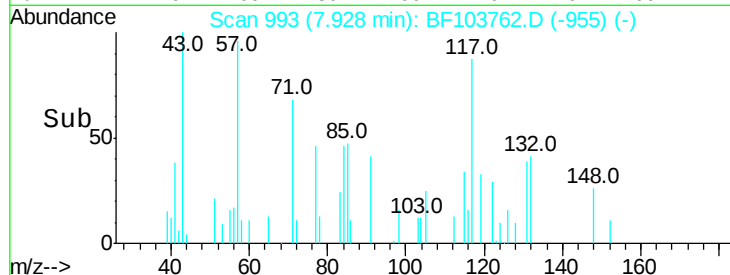
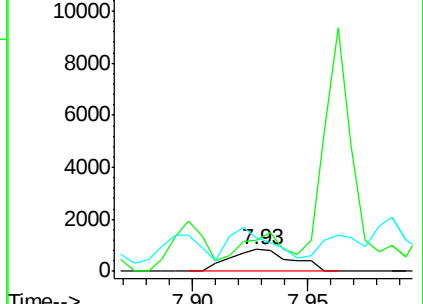
77 159.3 70.7 110.7#



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: BF103762.D

Acq: 19 Mar 2018 18:16

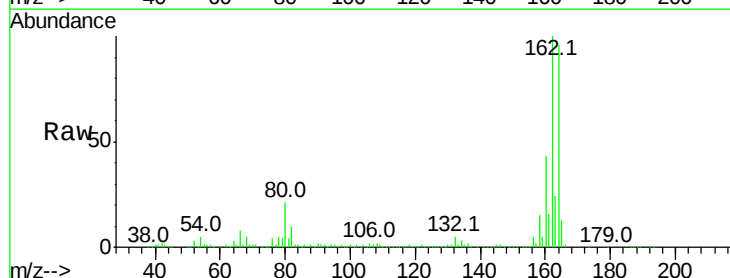
Tgt Ion:164 Resp: 258988

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

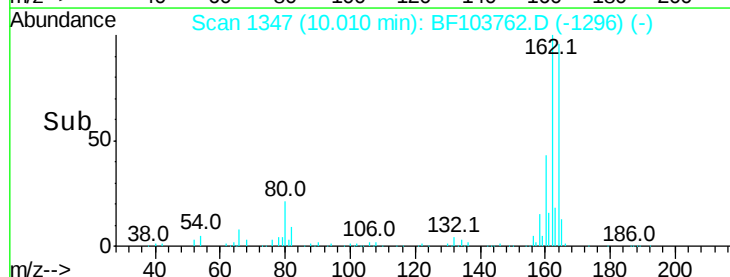
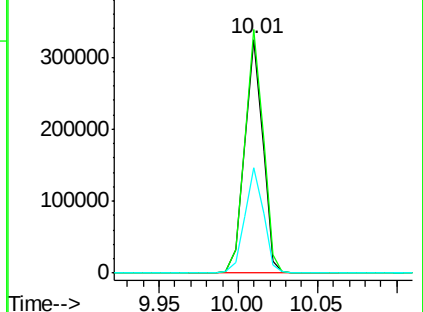
160 45.2 38.3 57.5

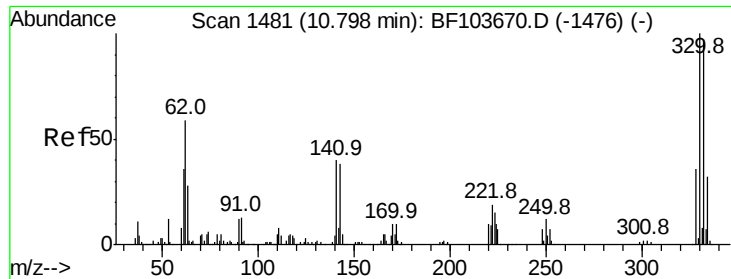


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

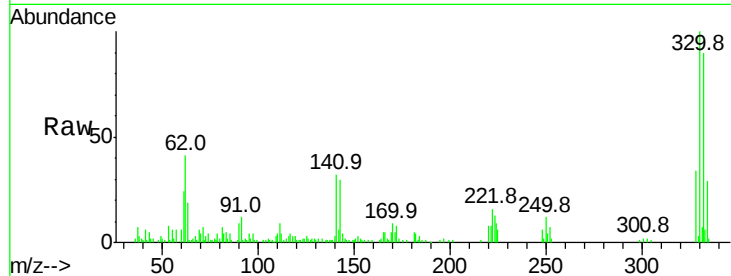




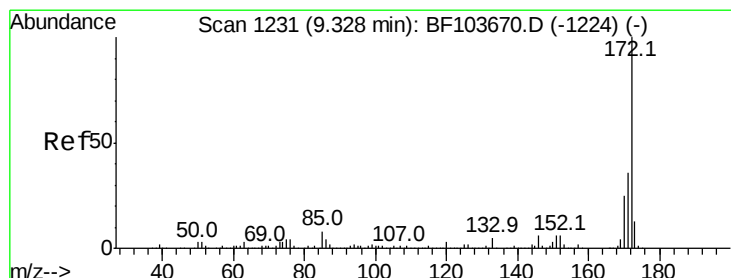
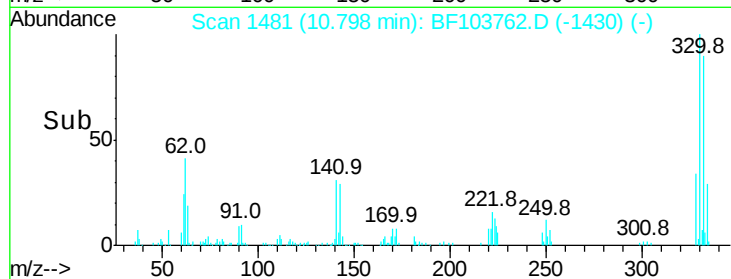
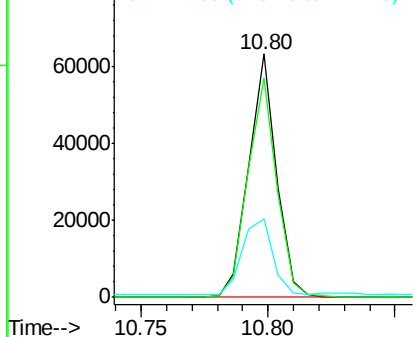
#41
 2,4,6-Tribromophenol
 Concen: 21.718 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: BF103762.D
 Acq: 19 Mar 2018 18:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.0	115.6
141	33.9	29.9	44.9

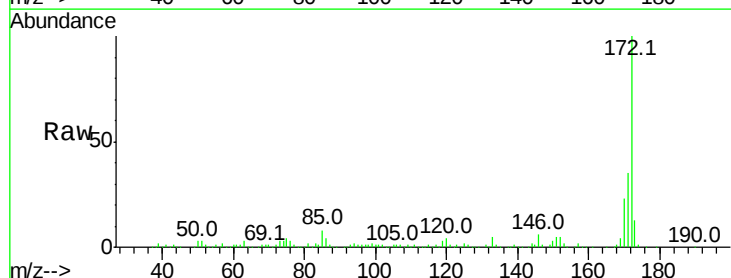


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

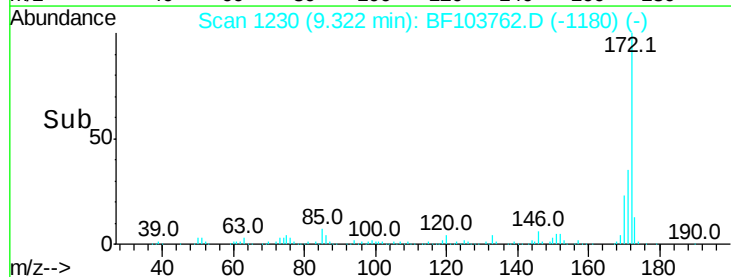
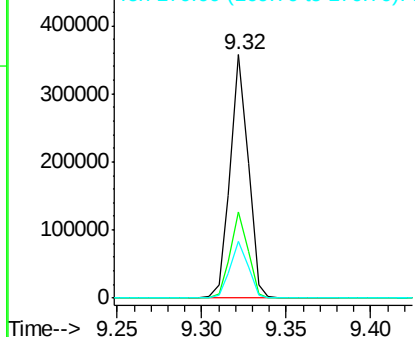


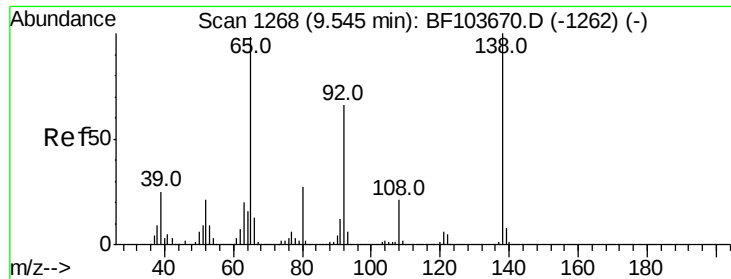
#44
 2-Fluorobiphenyl
 Concen: 16.388 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103762.D
 Acq: 19 Mar 2018 18:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.1	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

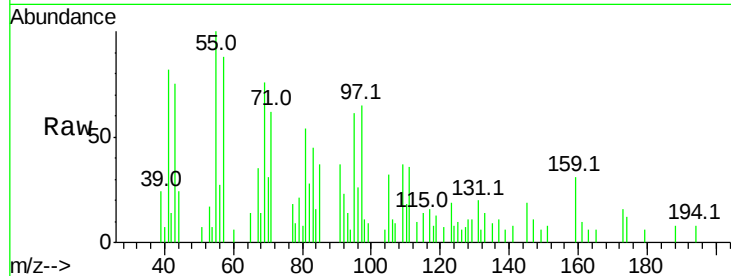




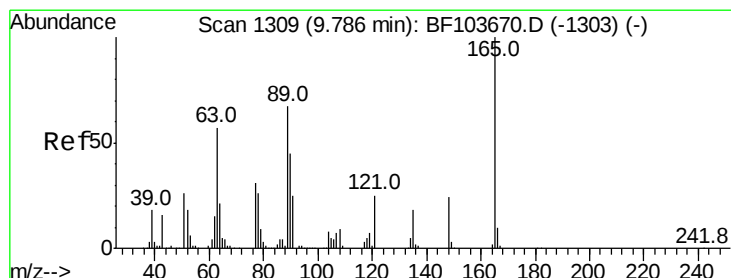
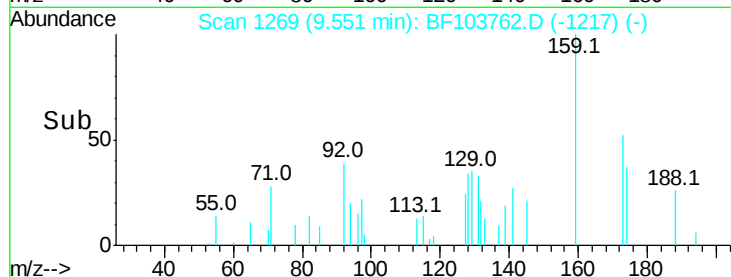
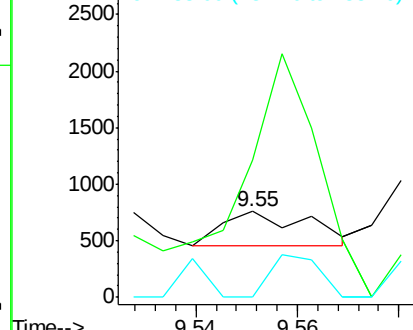
#47
2-Nitroaniline
Concen: 6.883 ng
RT: 9.55 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

Instrument :
BNA_F
ClientSampled :

Tot Ion: 65 Resp: 359
Ion Ratio Lower Upper
65 100
92 160.4 55.8 83.6#
138 0.0 91.2 136.8#

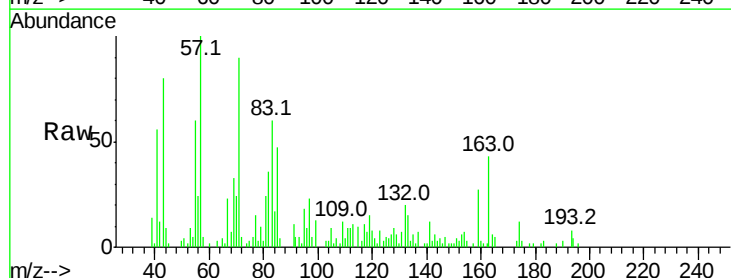


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

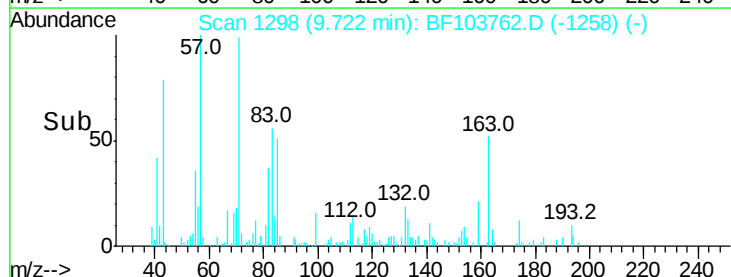
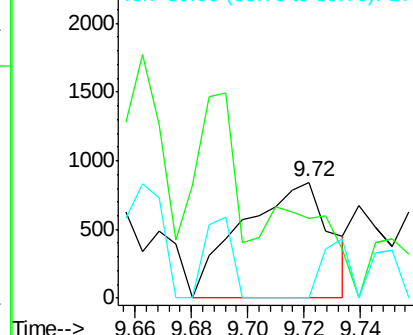


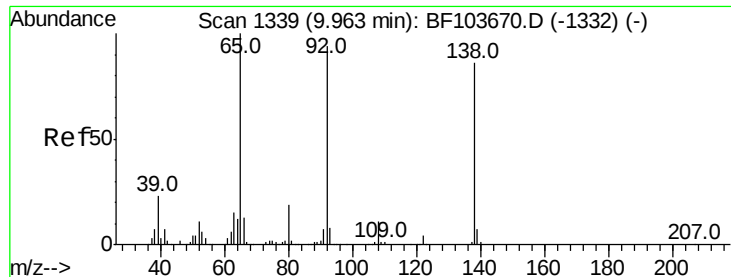
#50
2,6-Dinitrotoluene
Concen: 4.420 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.06 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

Tgt Ion:165 Resp: 1818
Ion Ratio Lower Upper
165 100
63 69.1 44.7 67.1#
89 0.0 44.0 66.0#



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





#52

3-Nitroaniline

Concen: 4.028 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

Instrument :

BNA_F

ClientSampleId :

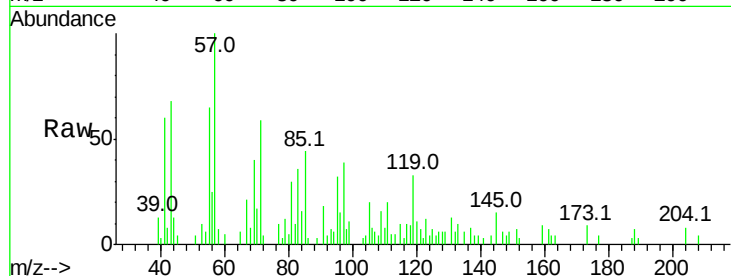
Tot Ion:138 Resp: 1062

Ion Ratio Lower Upper

138 100

108 88.7 9.4 14.0#

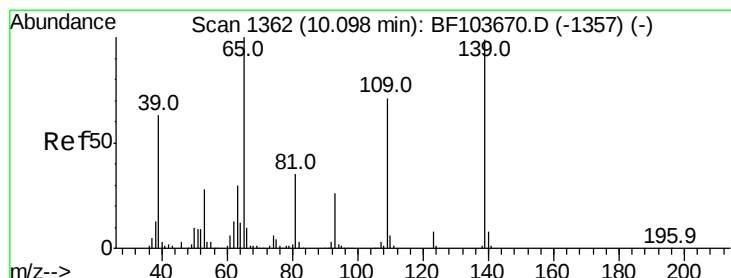
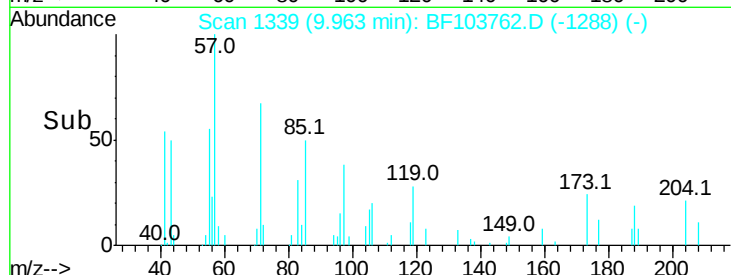
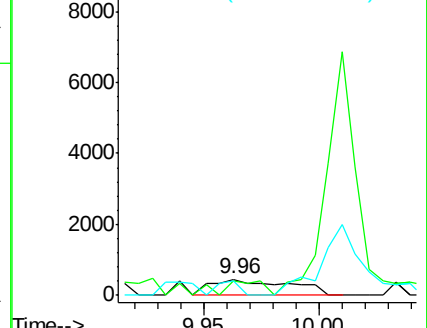
92 89.6 89.4 134.2



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: 5.645 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

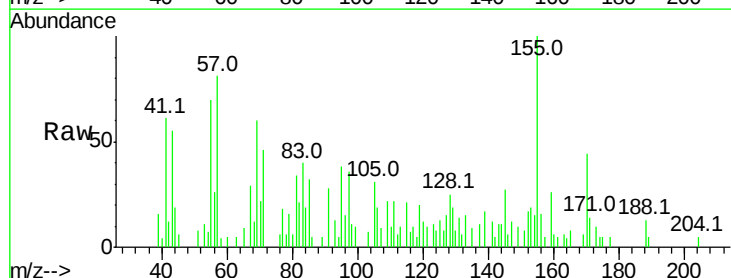
Tgt Ion:139 Resp: 2606

Ion Ratio Lower Upper

139 100

109 128.1 48.4 88.4#

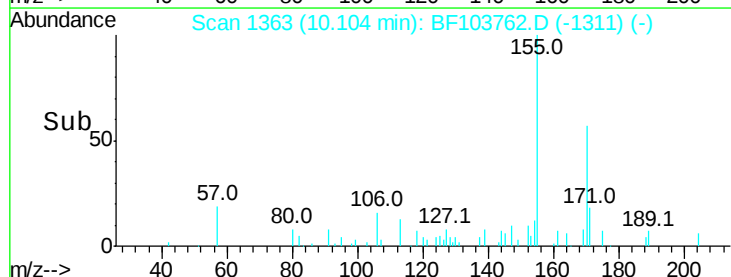
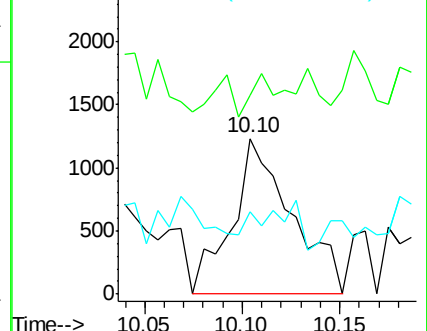
65 52.9 72.6 112.6#

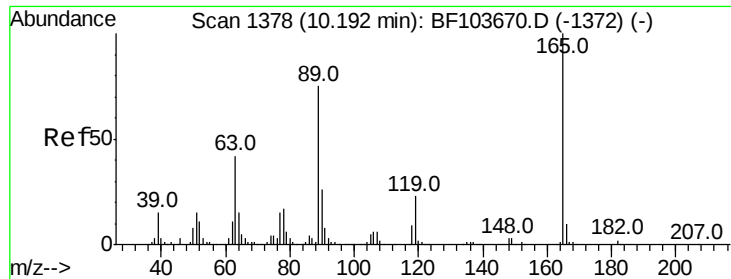


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

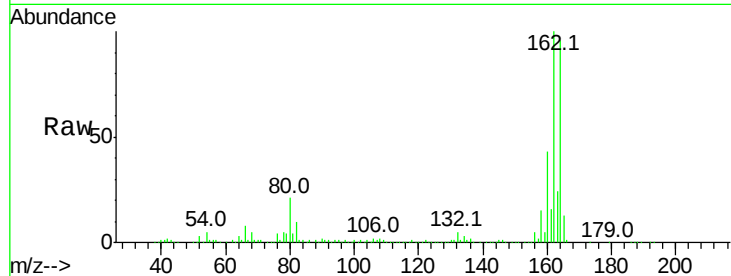




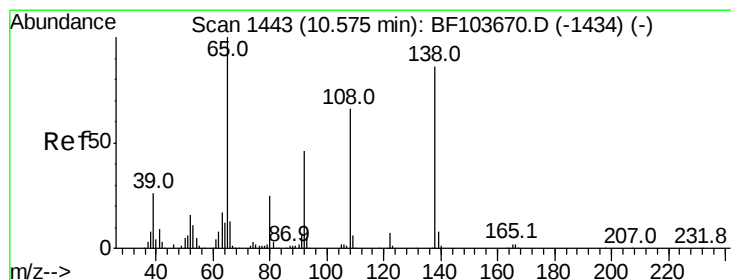
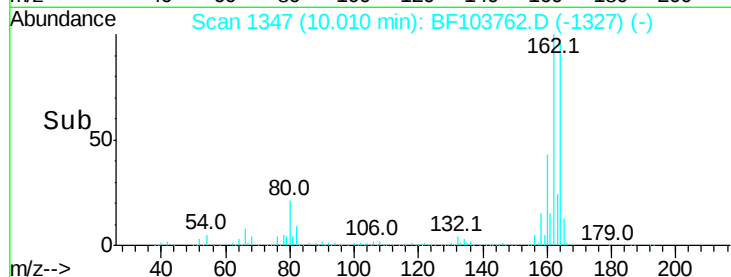
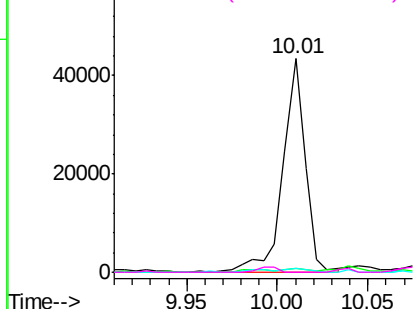
#56
2,4-Dinitrotoluene
Concen: 12.955 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 37498
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

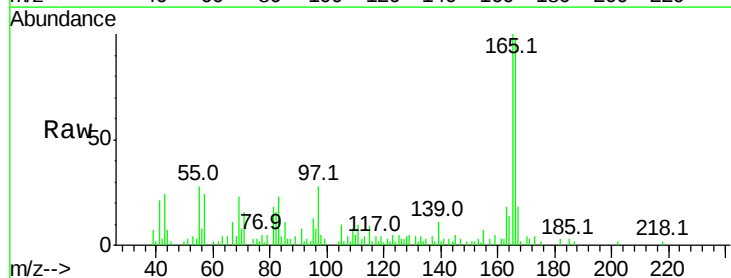


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

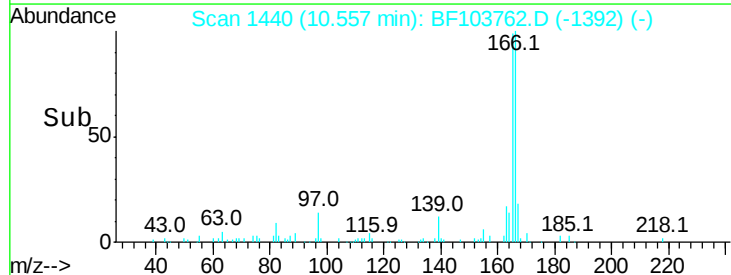
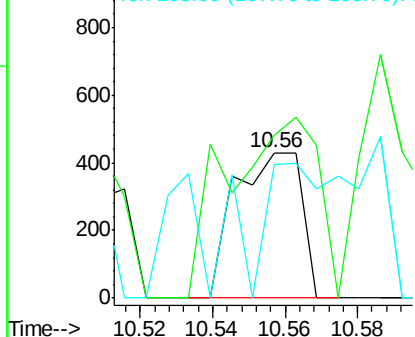


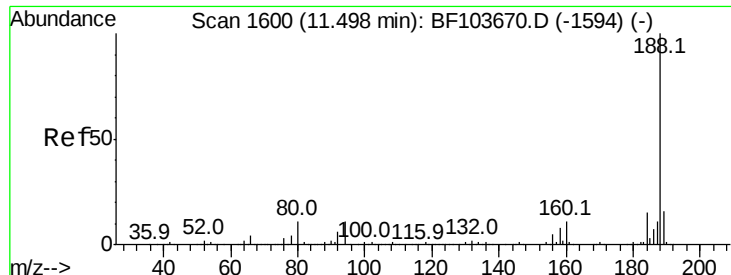
#61
4-Nitroaniline
Concen: 3.864 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

Tgt Ion:138 Resp: 547
Ion Ratio Lower Upper
138 100
92 112.1 30.2 70.2#
108 91.9 52.5 92.5



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

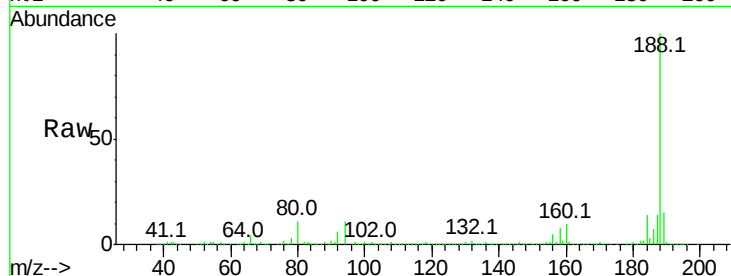




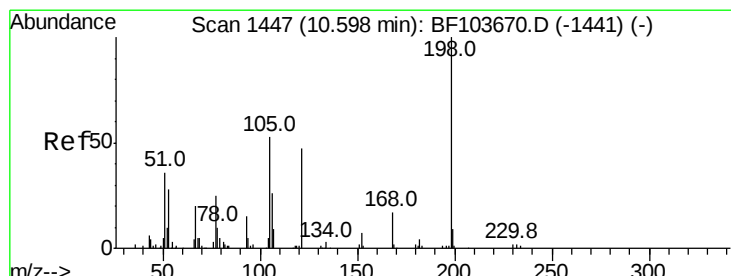
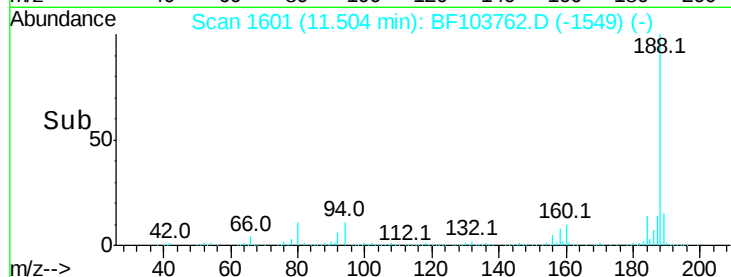
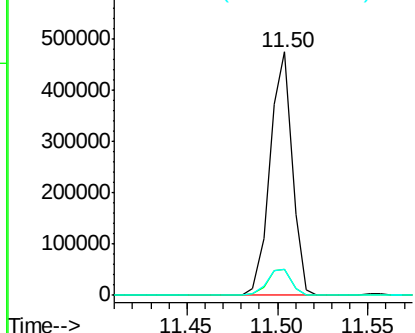
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103762.D
 Acq: 19 Mar 2018 18:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 403920
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 10.9 9.2 13.8

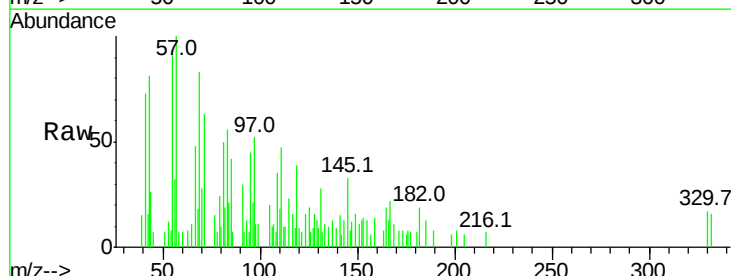


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

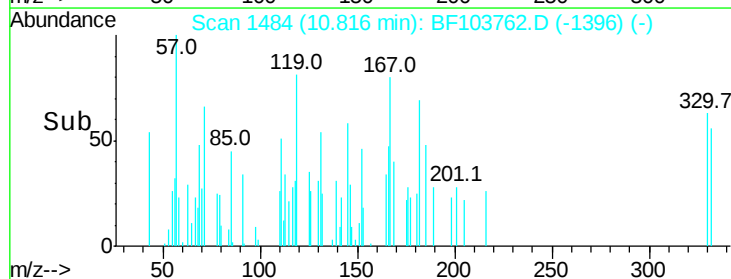
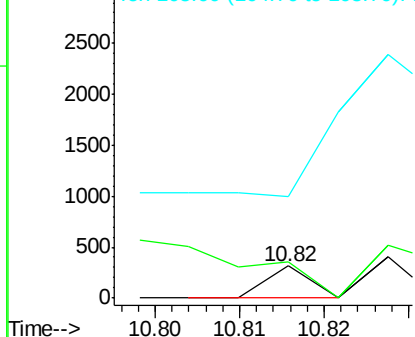


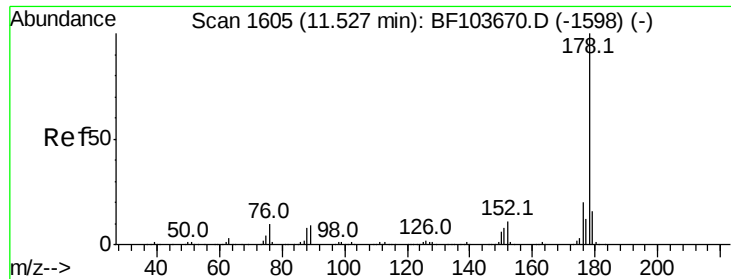
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.198 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.22 min
 Lab File: BF103762.D
 Acq: 19 Mar 2018 18:16

Tgt Ion:198 Resp: 111
 Ion Ratio Lower Upper
 198 100
 51 114.6 37.7 77.7#
 105 318.2 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





#70

Phenanthrene

Concen: 5.921 ng

RT: 11.53 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

Instrument :

BNA_F

ClientSampleId :

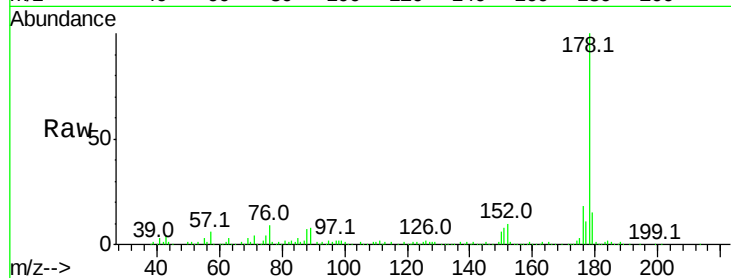
Tot Ion:178 Resp: 130827

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

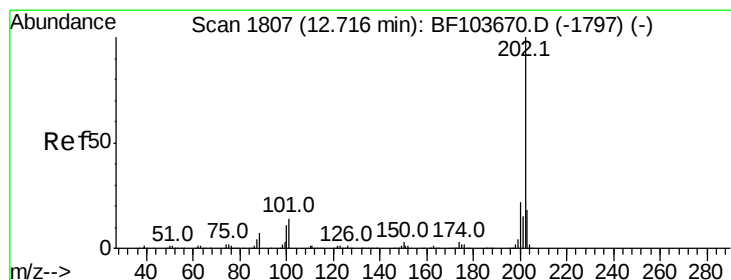
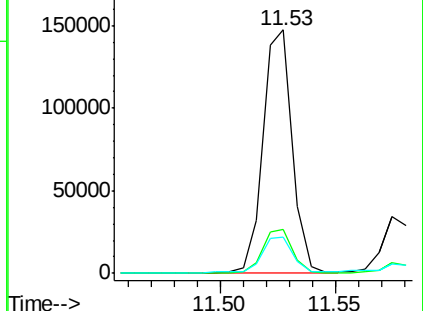
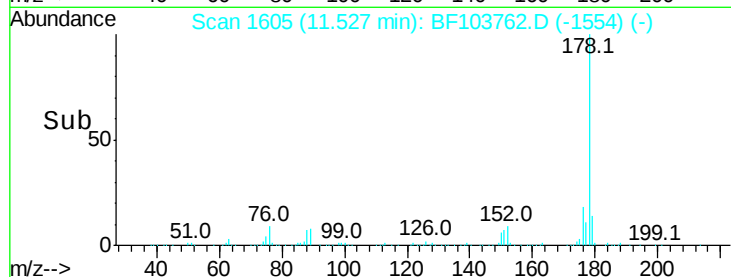
179 14.9 13.0 19.6



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: 6.121 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

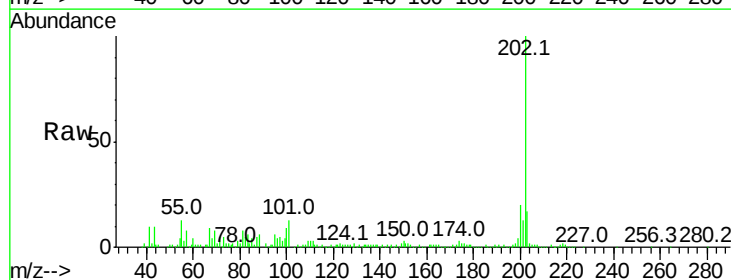
Tgt Ion:202 Resp: 139343

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.1

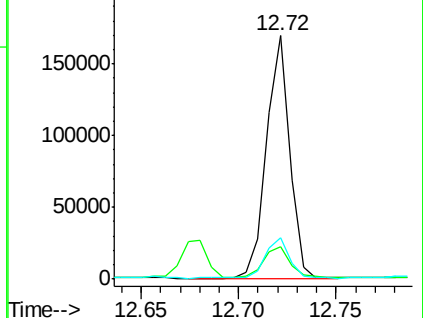
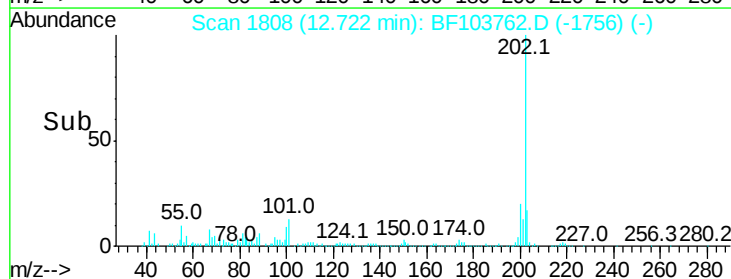
203 17.1 0.0 38.1

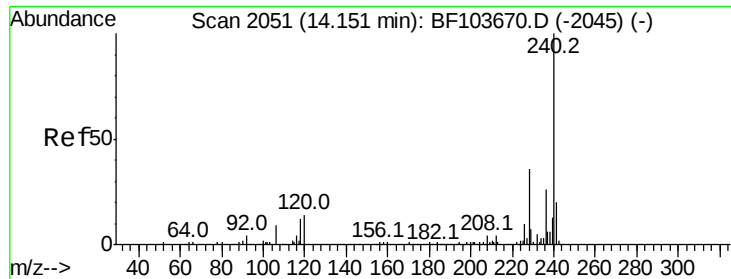


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

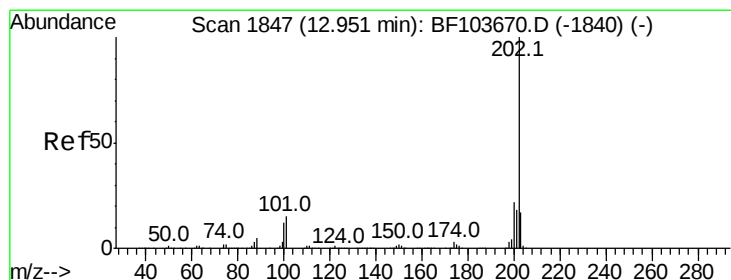
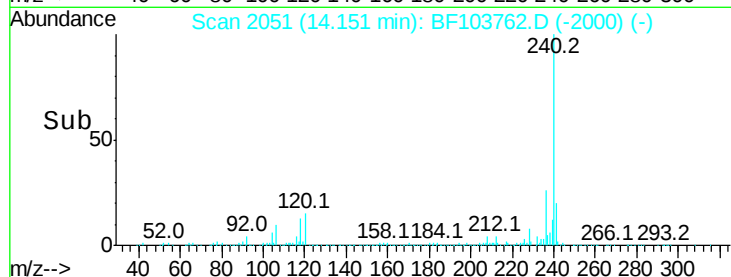
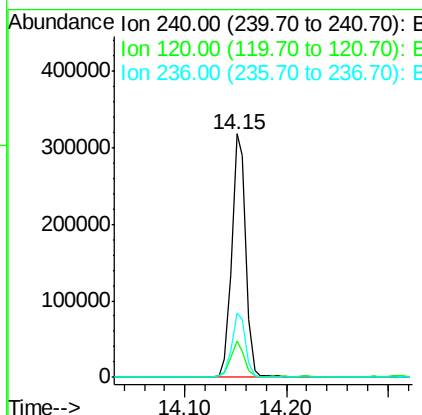
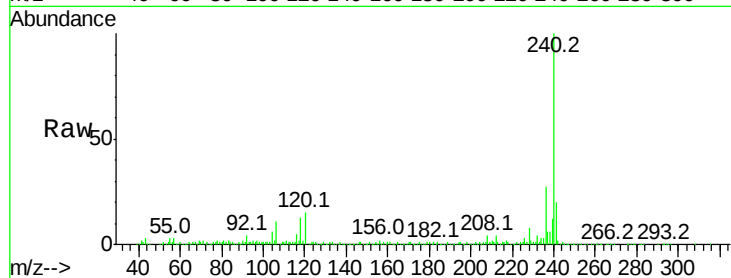




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

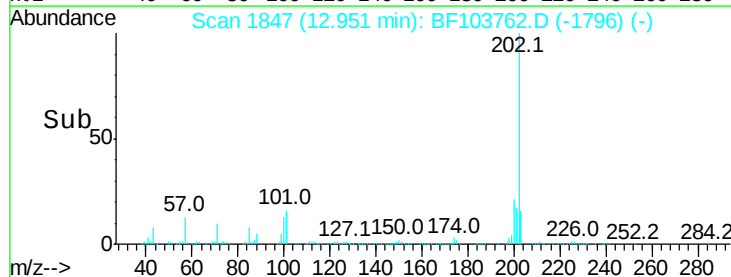
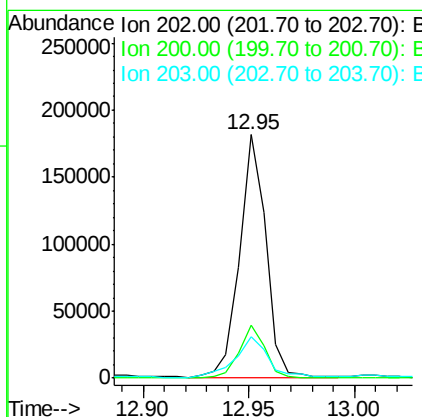
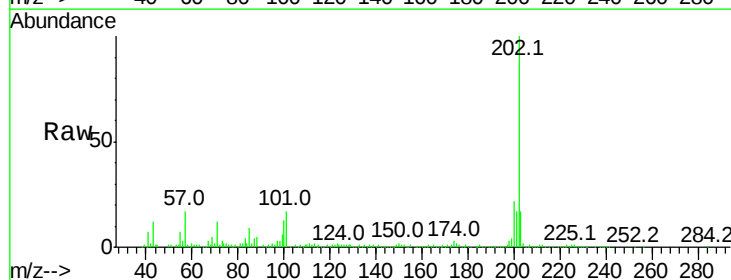
Instrument :
BNA_F
ClientSampleId :

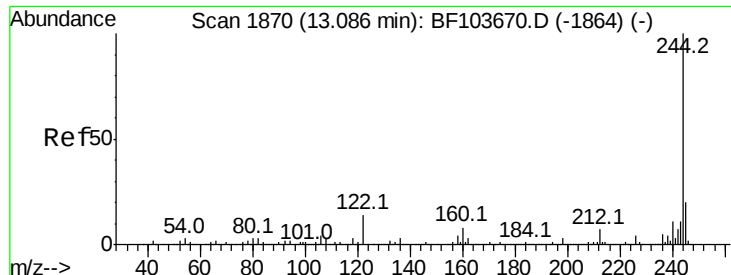
Tot Ion:240 Resp: 304308
Ion Ratio Lower Upper
240 100
120 14.8 9.5 14.3#
236 26.6 20.7 31.1



#77
Pyrene
Concen: 6.964 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

Tgt Ion:202 Resp: 155640
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.1 14.3 21.5





#78

Terphenyl-d14

Concen: 19.298 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

Instrument :

BNA_F

ClientSampleId :

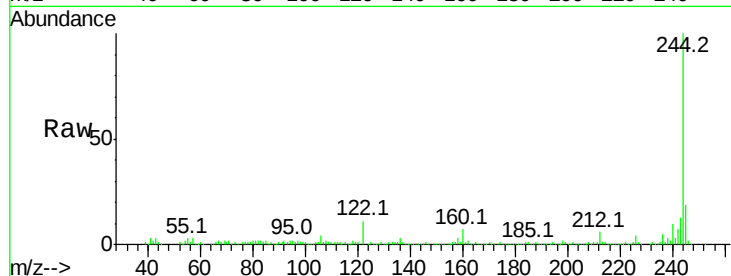
Tot Ion:244 Resp: 253007

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

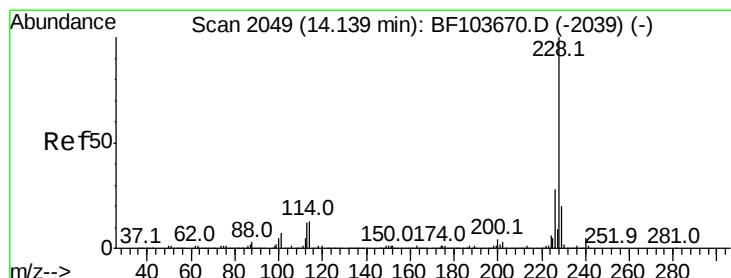
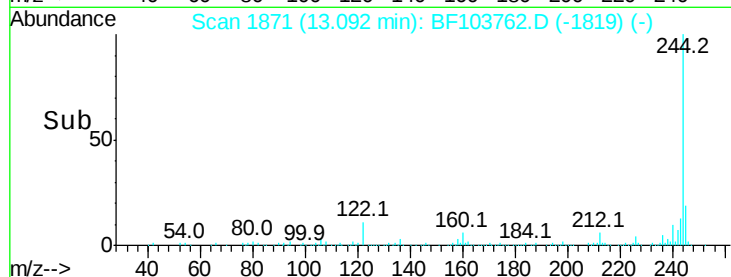
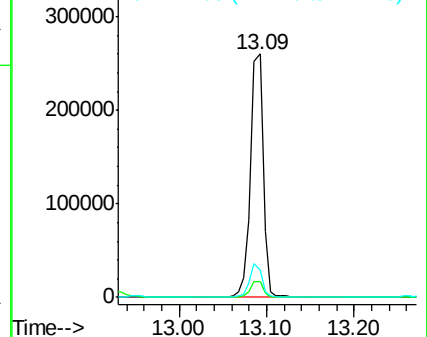
122 11.2 11.0 16.4



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: 3.629 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.01 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

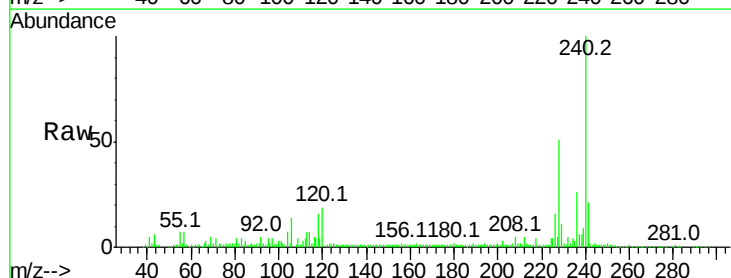
Tgt Ion:228 Resp: 69901

Ion Ratio Lower Upper

228 100

226 32.4 22.6 33.8

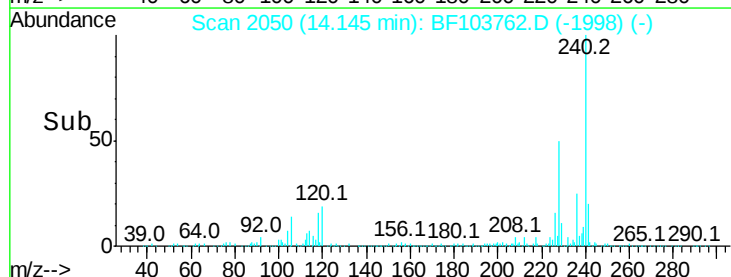
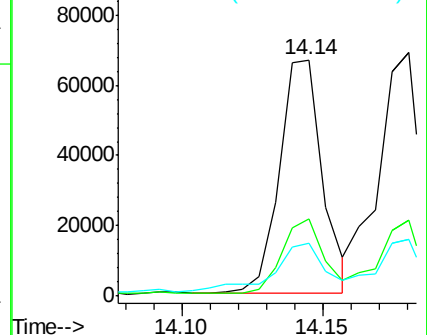
229 22.4 15.8 23.6

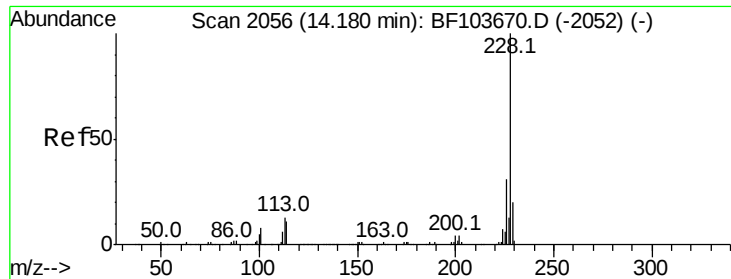


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

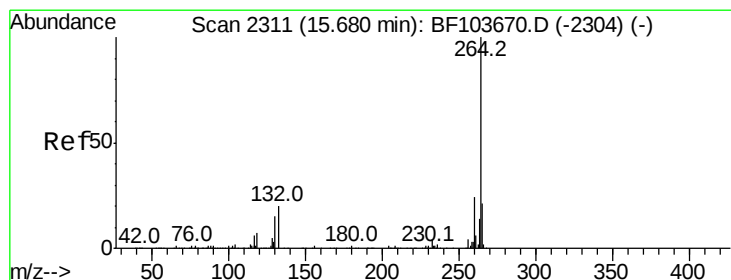
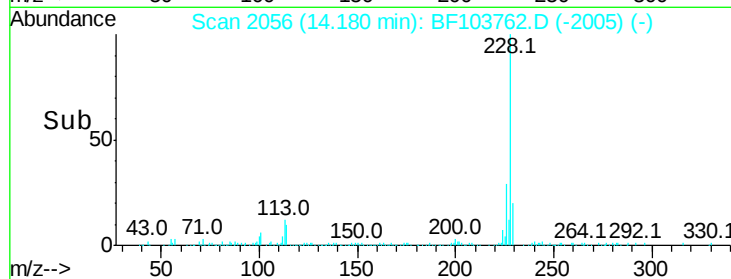
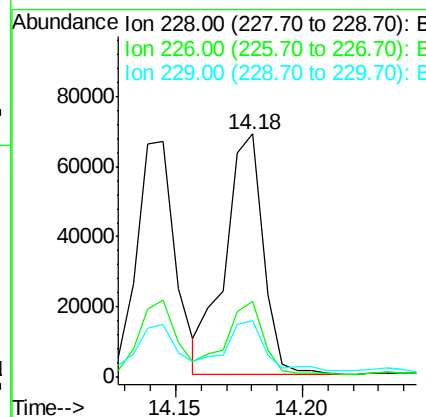
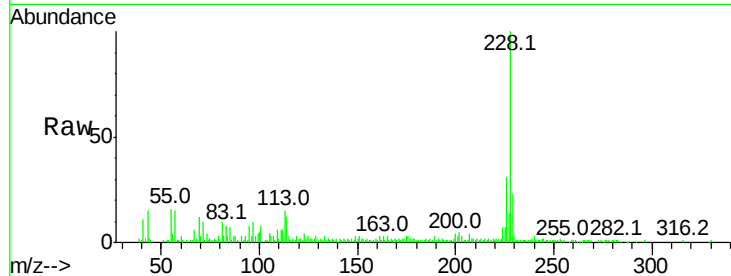




#82
Chrysene
Concen: 3.897 ng
RT: 14.18 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

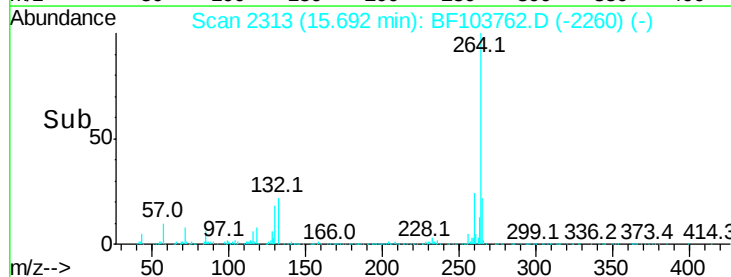
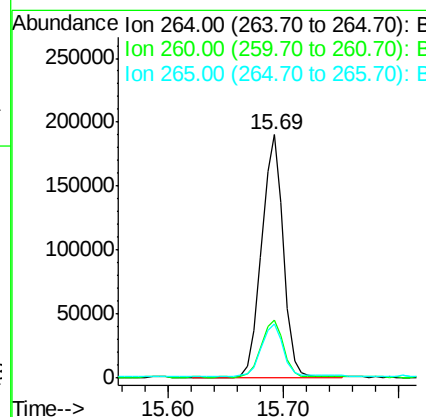
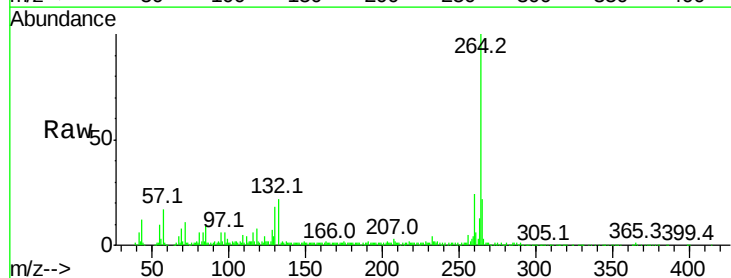
Instrument :
BNA_F
ClientSampleId :

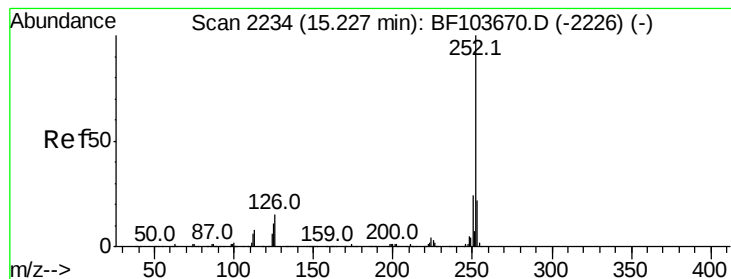
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	23.3	16.2	24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF103762.D
Acq: 19 Mar 2018 18:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.553 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

Instrument :

BNA_F

ClientSampleId :

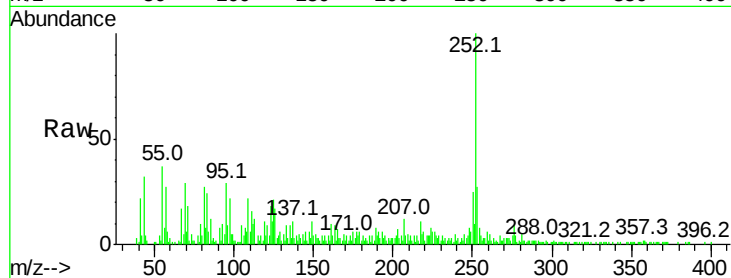
Tot Ion:252 Resp: 87384

Ion Ratio Lower Upper

252 100

253 27.1 17.0 25.6#

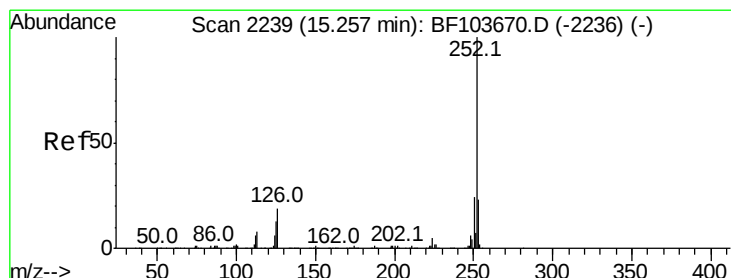
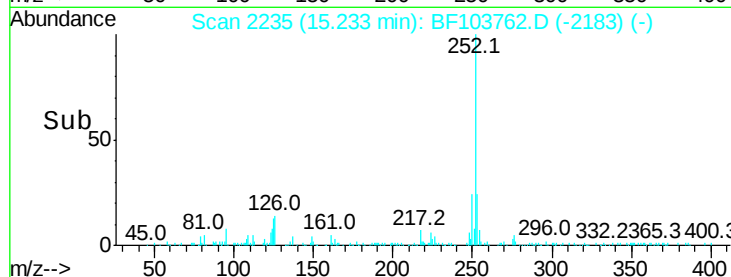
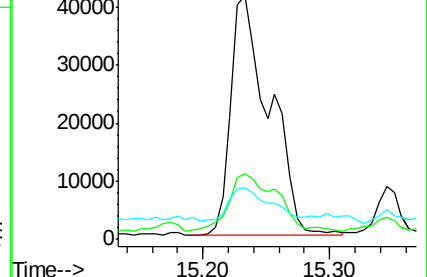
125 21.2 9.0 13.6#



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: 5.777 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

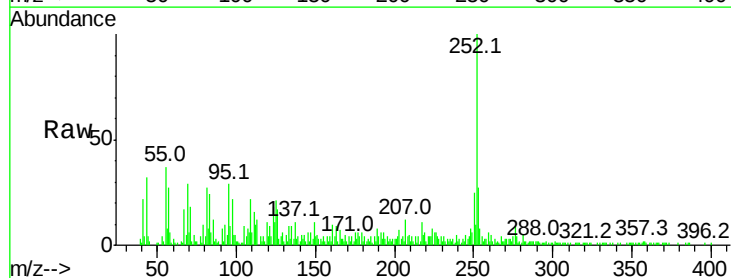
Tgt Ion:252 Resp: 87384

Ion Ratio Lower Upper

252 100

253 27.1 17.9 26.9#

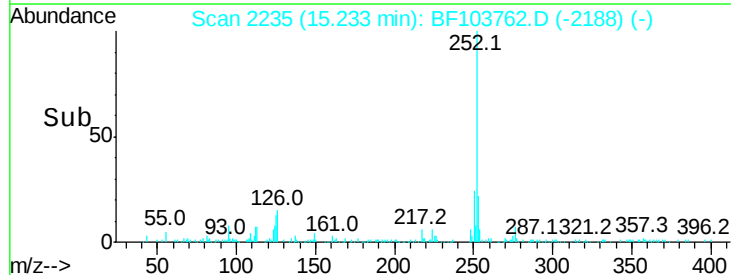
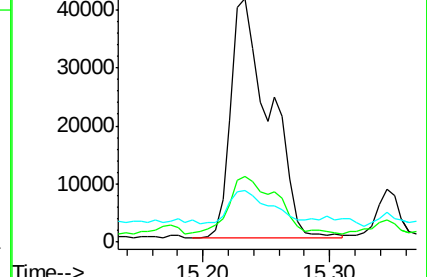
125 21.2 10.2 15.2#

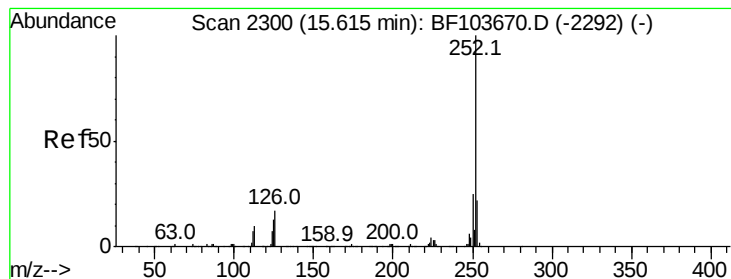


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.215 ng

RT: 15.62 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BF103762.D

Acq: 19 Mar 2018 18:16

Instrument :

BNA_F

ClientSampleId :

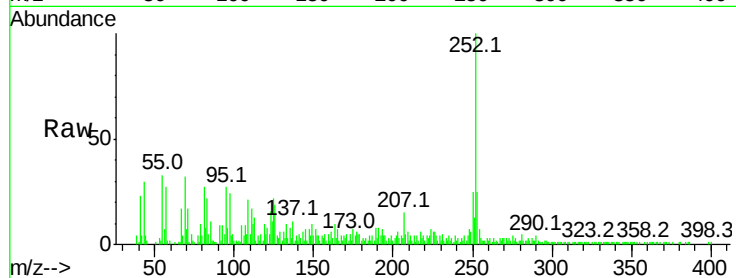
Tot Ion: 252 Resp: 45880

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

125 21.5 9.8 14.6



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

