

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103820.D
 Acq On : 20 Mar 2018 23:14
 Operator : JU/SJ
 Sample : J1979-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

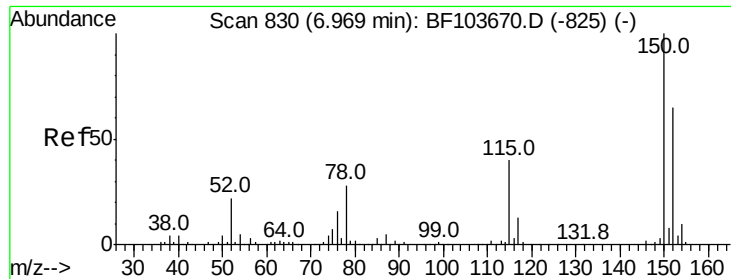
Quant Time: Mar 21 01:01:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	142168	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	558752	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	274244	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	393928	20.00	ng	0.01
75) Chrysene-d12	14.16	240	271946	20.00	ng	0.00
86) Perylene-d12	15.70	264	237209	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1130926	120.99	ng	0.02
7) Phenol-d6	6.60	99	1395011	121.99	ng	0.01
23) Nitrobenzene-d5	7.54	82	908261	113.36	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	303747	128.82	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1218892	70.90	ng	0.00
78) Terphenyl-d14	13.10	244	891154	76.06	ng	0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.75	77	23036	3.066	ng	88
19) n-Nitroso-di-n-propylamine	7.54	70	120779	16.480	ng	# 72
25) Isophorone	7.54	82	906484	48.872	ng	# 64
31) Naphthalene	8.27	128	79249	2.808	ng	98
32) Benzoic acid	8.03	122	786	10.016	ng	# 1
47) 2-Nitroaniline	9.47	65	231	6.856	ng	# 2
49) Dimethylphthalate	9.72	163	202452	9.676	ng	100
50) 2,6-Dinitrotoluene	9.72	165	2359	4.518	ng	# 20
51) Acenaphthene	10.05	154	92756	5.546	ng	99
52) 3-Nitroaniline	10.22	138	999	4.004	ng	# 21
54) Dibenzofuran	10.22	168	62456	2.615	ng	99
55) 4-Nitrophenol	10.05	139	1017	5.219	ng	# 68
56) 2,4-Dinitrotoluene	10.02	165	36890	12.476	ng	# 23
57) Fluorene	10.56	166	69902	3.772	ng	97
61) 4-Nitroaniline	10.56	138	932	3.933	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.81	198	693	8.644	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	18310	4.527	ng	# 1
70) Phenanthrene	11.53	178	459969	21.346	ng	98
71) Anthracene	11.58	178	105071	4.801	ng	97
72) Carbazole	11.73	167	56948	2.677	ng	99
74) Fluoranthene	12.73	202	415748	18.727	ng	97
77) Pyrene	12.96	202	335628	16.805	ng	99
80) Benzo(a)anthracene	14.15	228	163468	9.496	ng	99
82) Chrysene	14.19	228	147691	9.000	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	57086	3.984	ng	# 91
87) Benzo(b)fluoranthene	15.24	252	219215	14.628	ng	# 95
88) Benzo(k)fluoranthene	15.24	252	219215	15.217	ng	98
89) Benzo(a)pyrene	15.63	252	112299	8.262	ng	# 96
91) Benzo(g,h,i)perylene	17.75	276	49380	4.313	ng	# 92

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

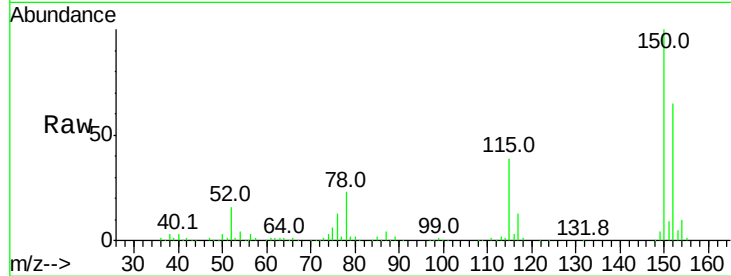


#1

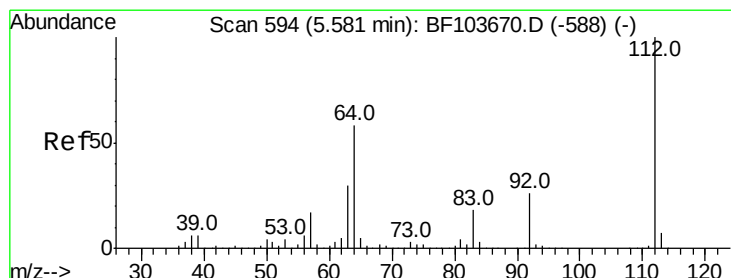
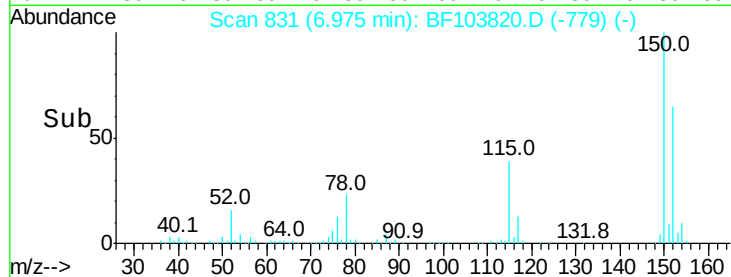
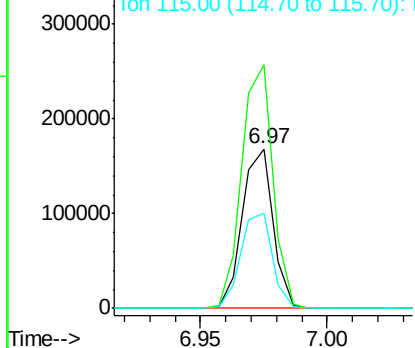
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142168
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 59.8 50.1 75.1



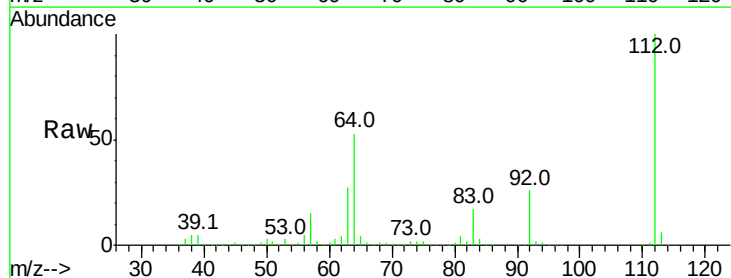
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



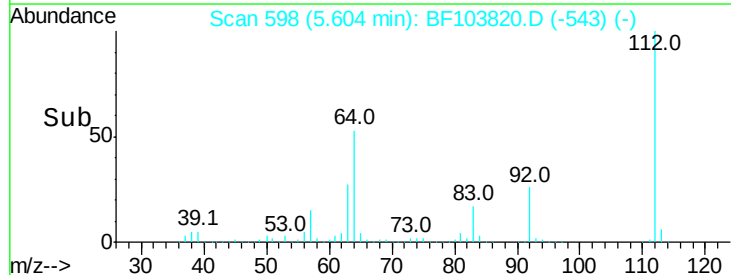
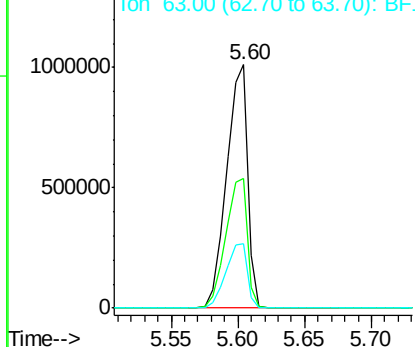
#5

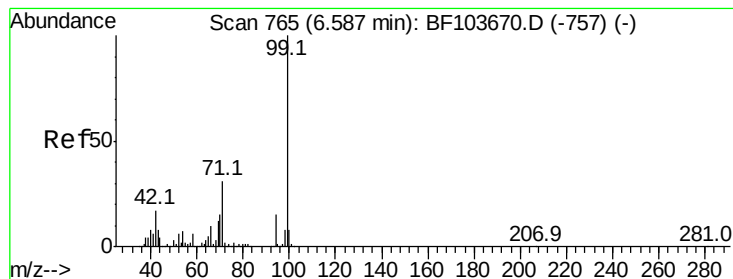
2-Fluorophenol
Concen: 120.993 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion:112 Resp: 1130926
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 26.6 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: 121.990 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

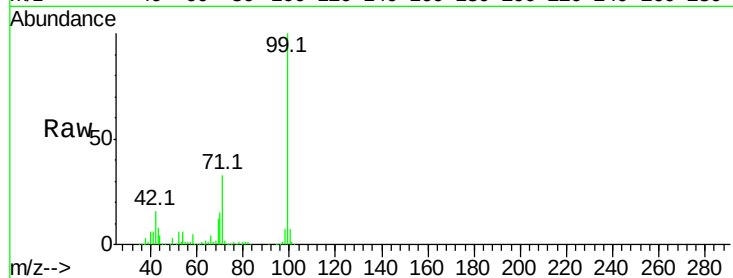
Tot Ion: 99 Resp: 1395011

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

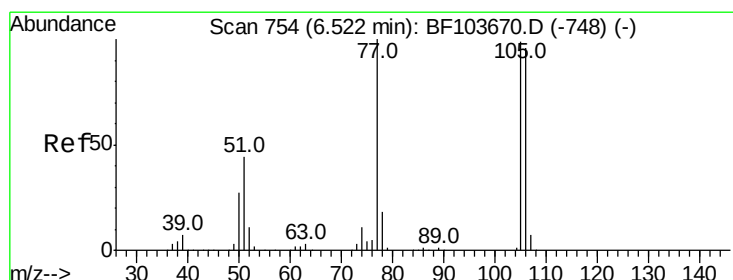
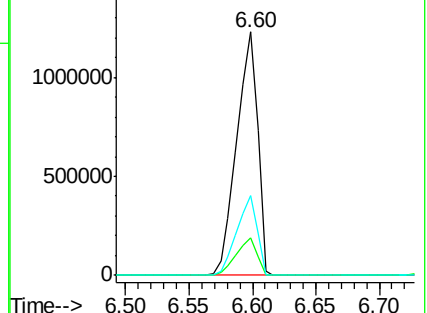
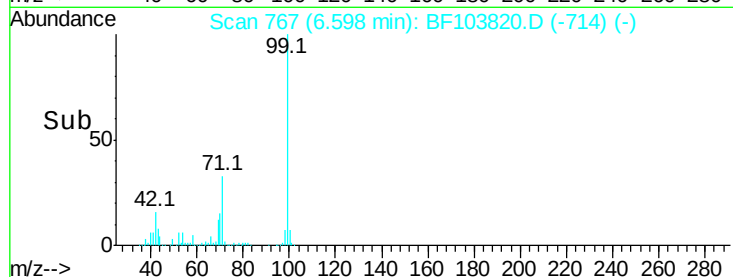
71 32.9 25.4 38.0



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: 3.066 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

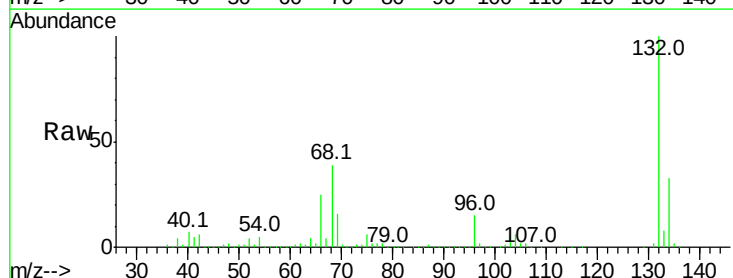
Tgt Ion: 77 Resp: 23036

Ion Ratio Lower Upper

77 100

105 88.6 81.1 121.1

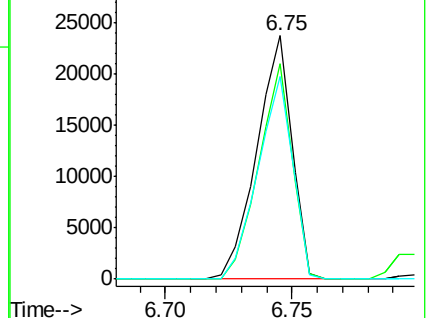
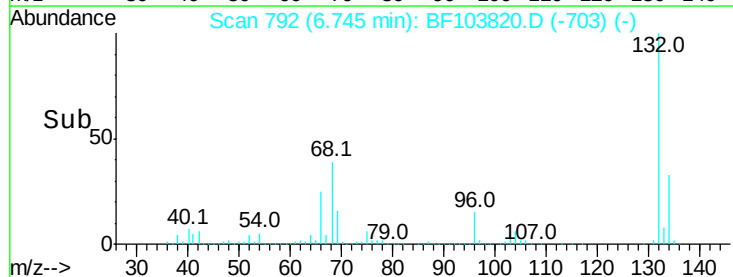
106 83.1 74.5 114.5

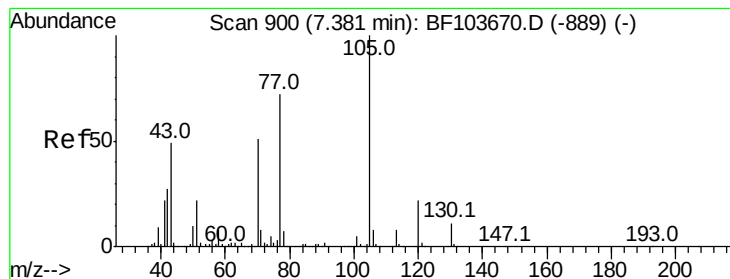


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 16.480 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.16 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 120779

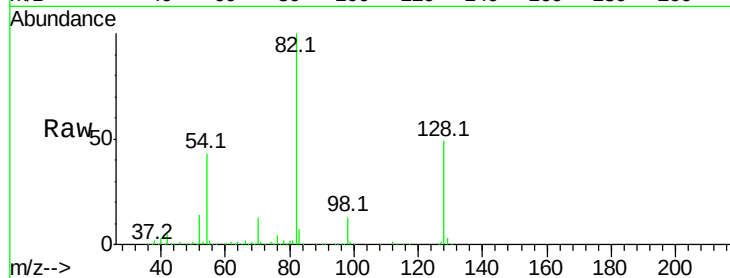
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

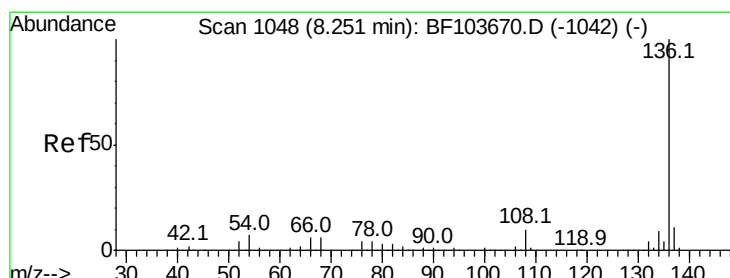
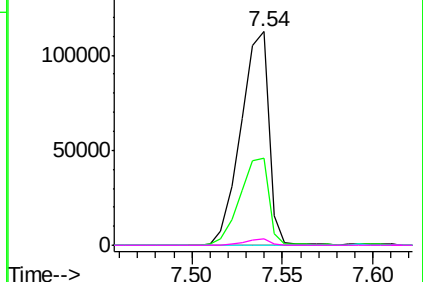
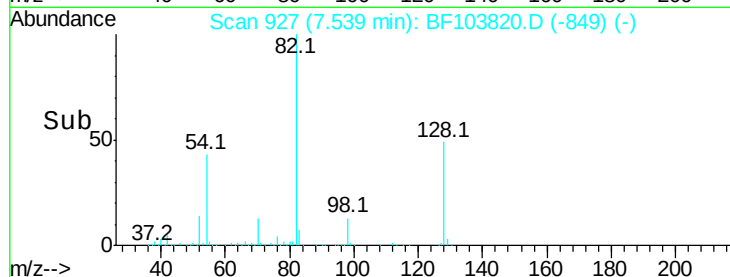


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Tgt Ion:136 Resp: 558752

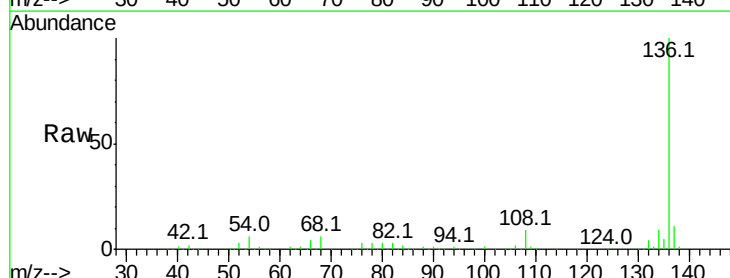
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.1 6.6 9.8#

68 5.7 5.0 7.4

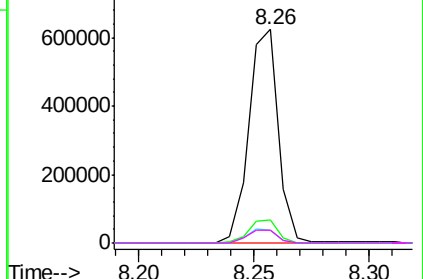
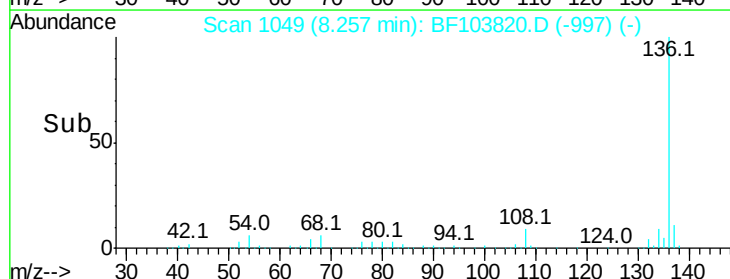


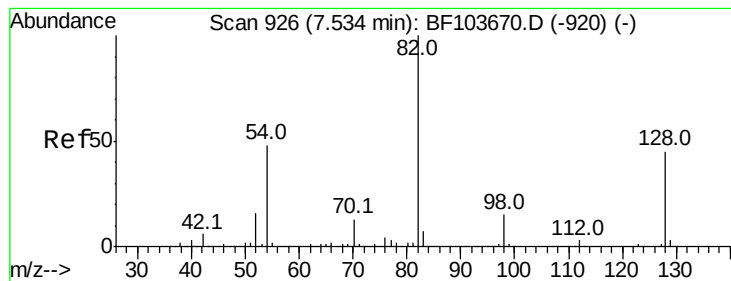
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 113.357 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

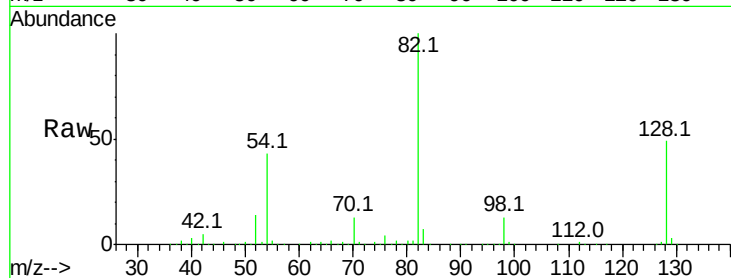
Tot Ion: 82 Resp: 908261

Ion Ratio Lower Upper

82 100

128 49.1 36.1 54.1

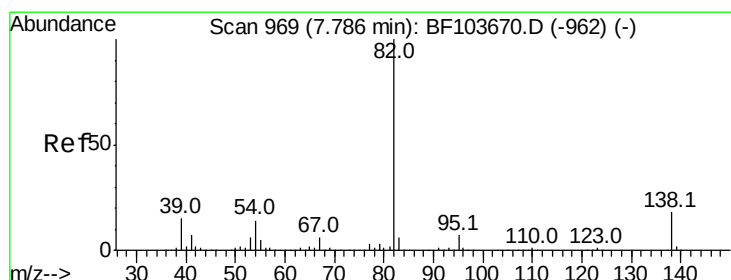
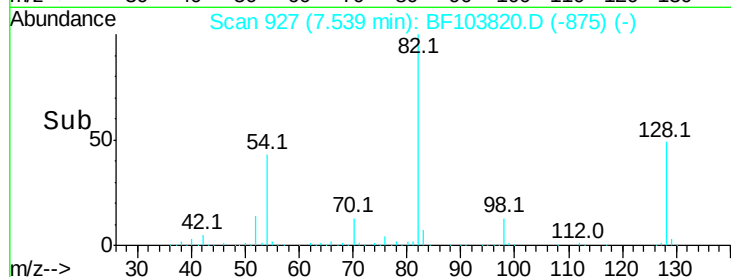
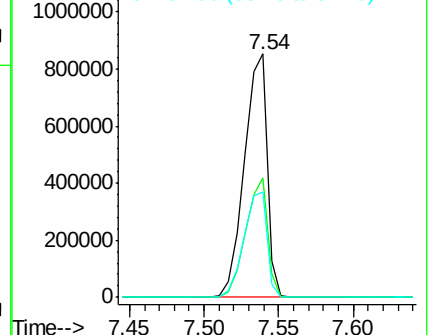
54 43.0 41.4 62.2



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



#25

Isophorone

Concen: 48.872 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

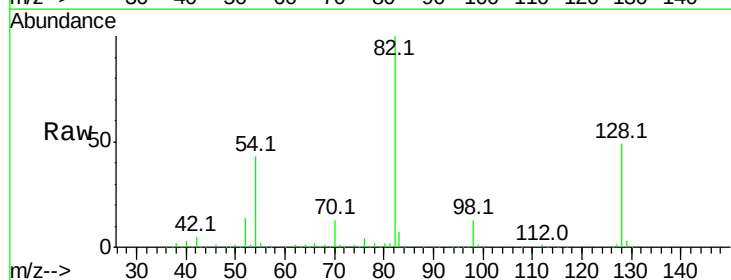
Tgt Ion: 82 Resp: 906484

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

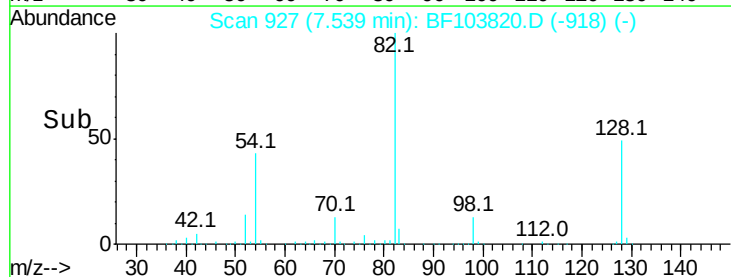
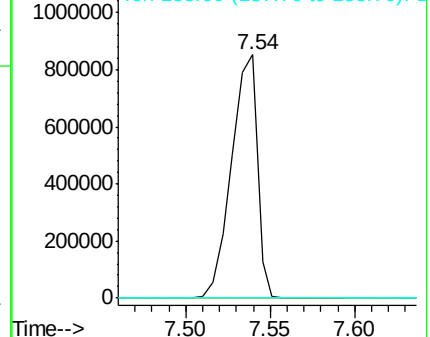
138 0.0 14.9 22.3#

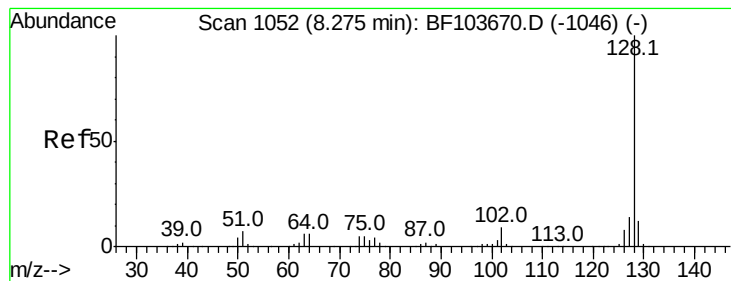


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 2.808 ng

RT: 8.27 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

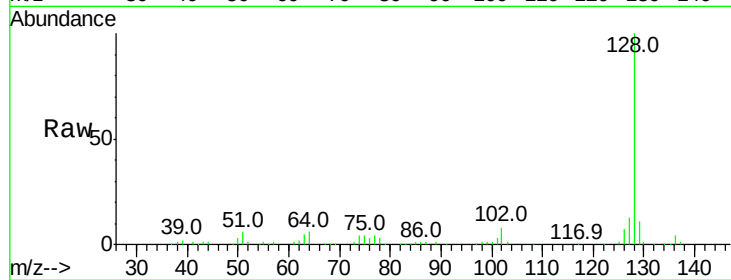
Tot Ion:128 Resp: 79249

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

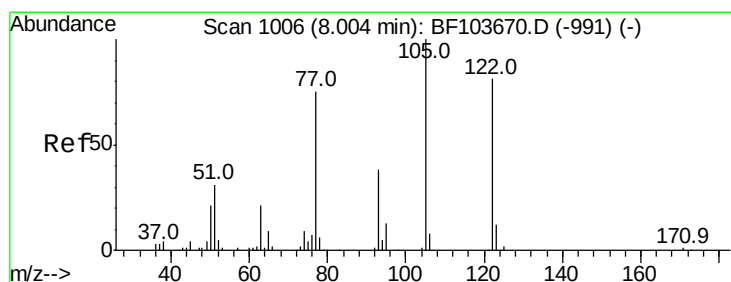
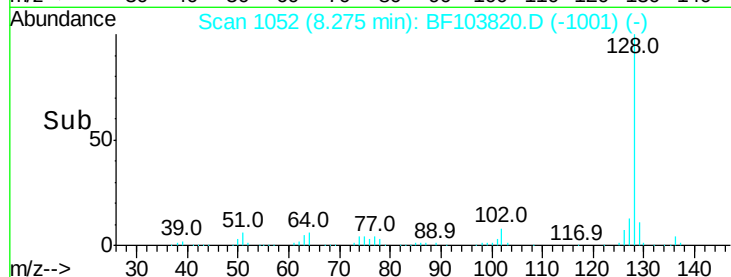
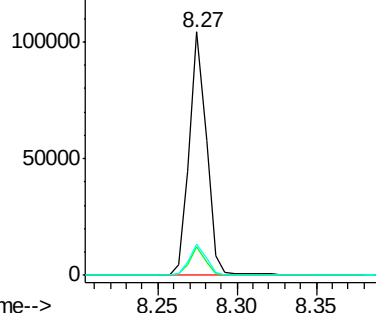
127 12.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.016 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.02 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

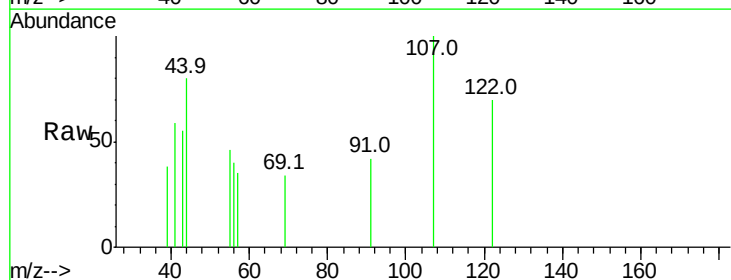
Tgt Ion:122 Resp: 786

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

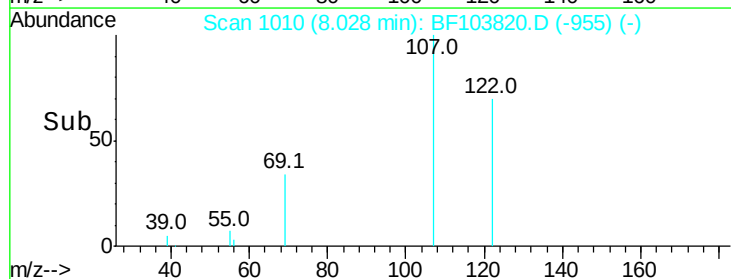
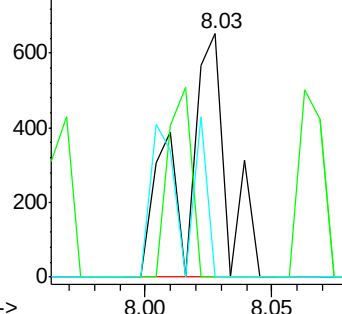
77 0.0 70.7 110.7#

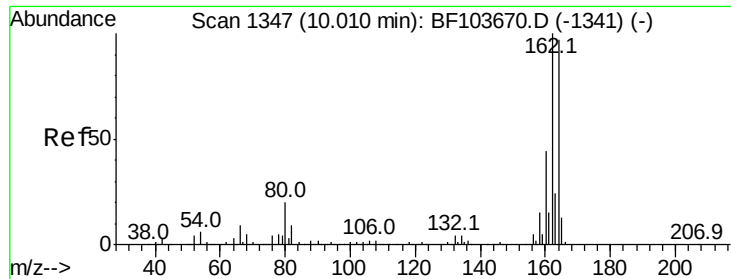


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

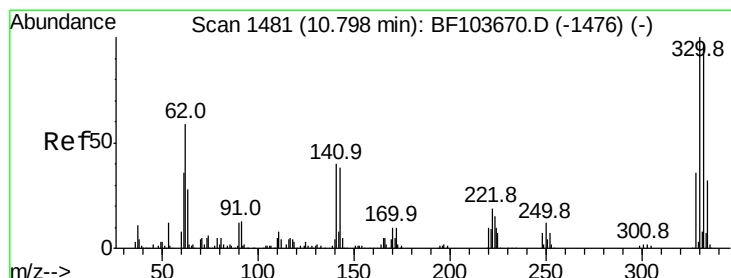
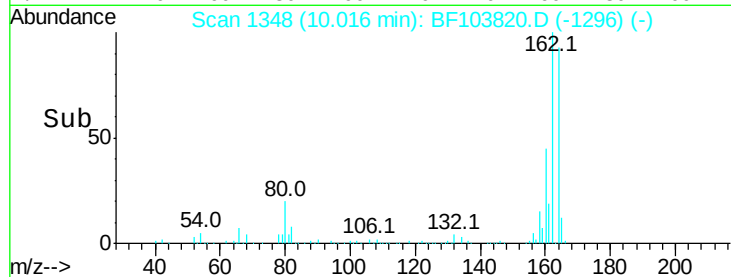
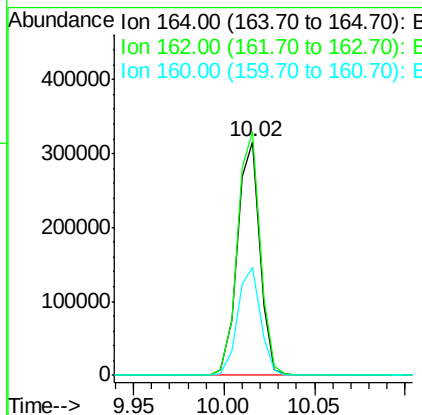
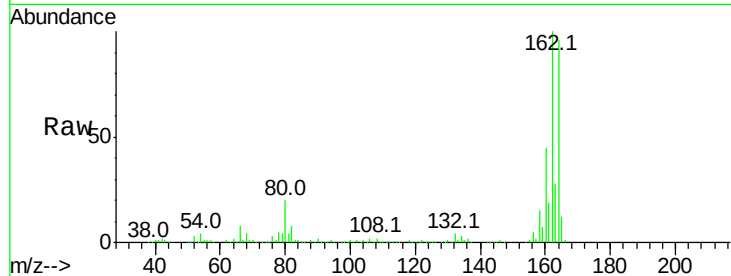




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: BF103820.D
 Acq: 20 Mar 2018 23:14

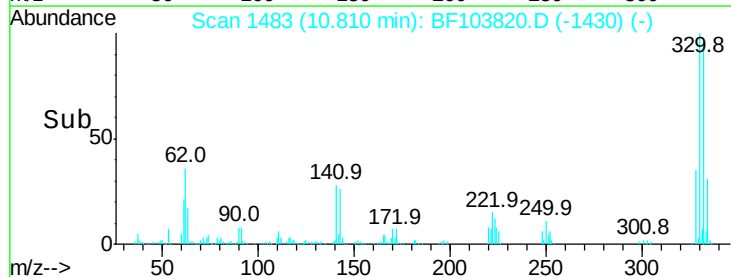
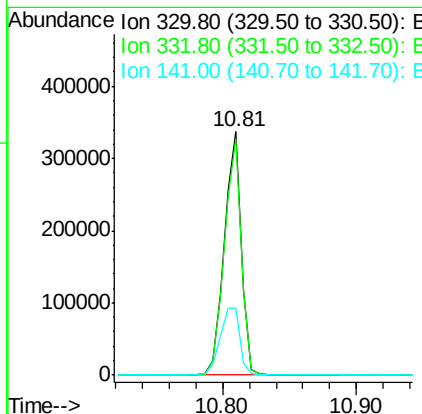
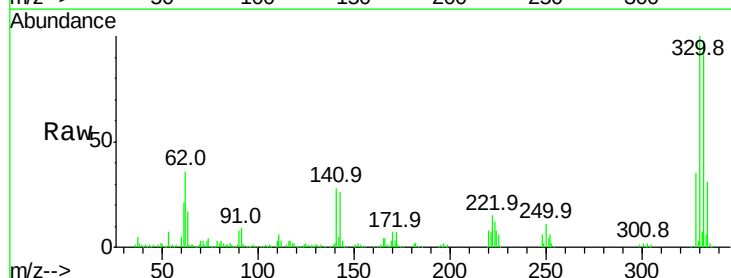
Instrument :
 BNA_F
 ClientSampleId :

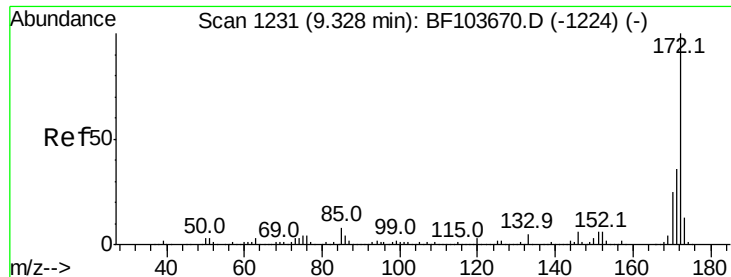
Tot Ion:164 Resp: 274244
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 46.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 128.817 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: BF103820.D
 Acq: 20 Mar 2018 23:14

Tgt Ion:330 Resp: 303747
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 32.7 29.9 44.9

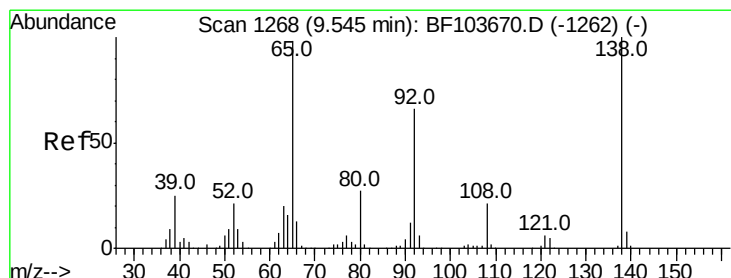
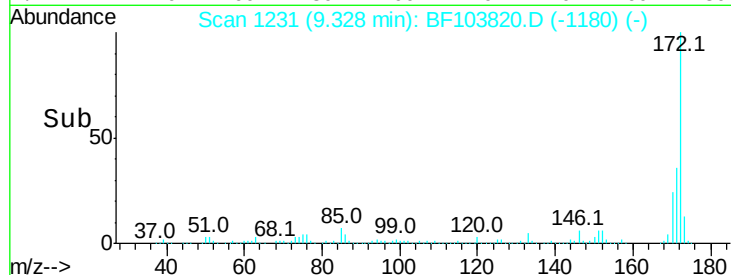
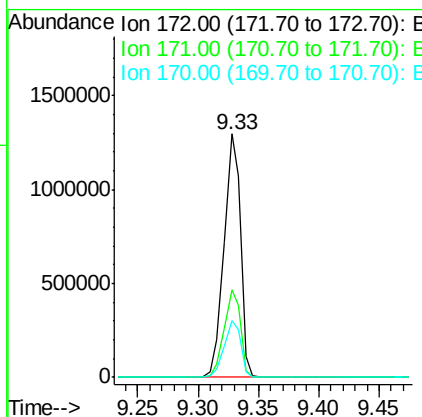
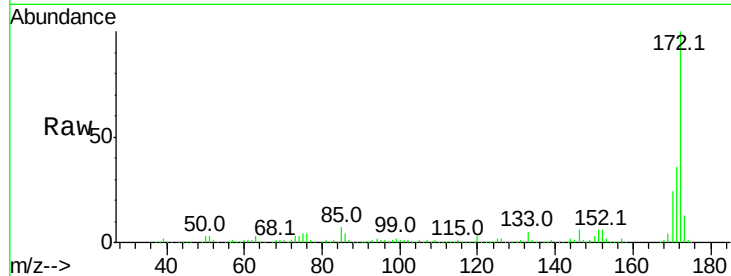




#44
2-Fluorobiphenyl
Concen: 70.897 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

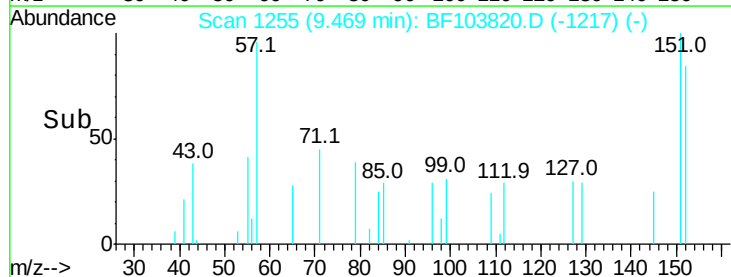
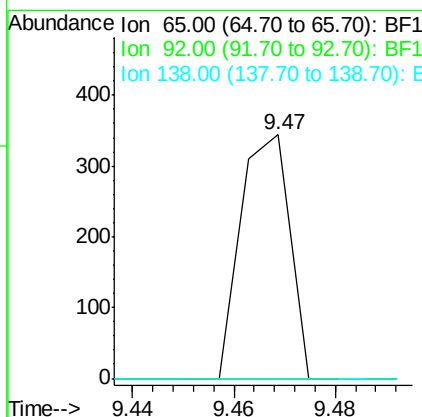
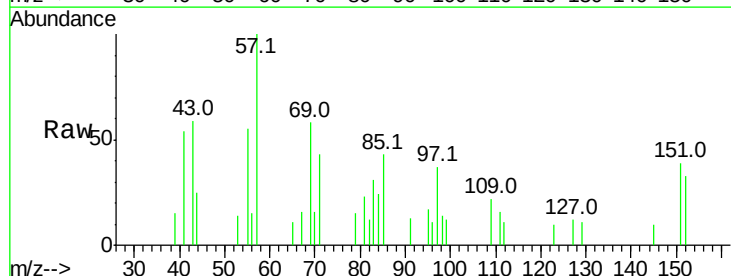
Instrument :
BNA_F
ClientSampleId :

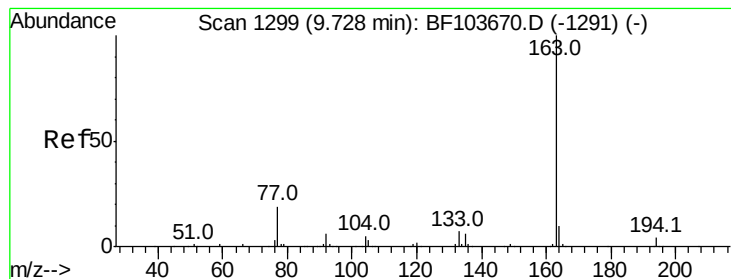
Tot Ion:172 Resp: 1218892
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.6 19.6 29.4



#47
2-Nitroaniline
Concen: 6.856 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.08 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion: 65 Resp: 231
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 9.676 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

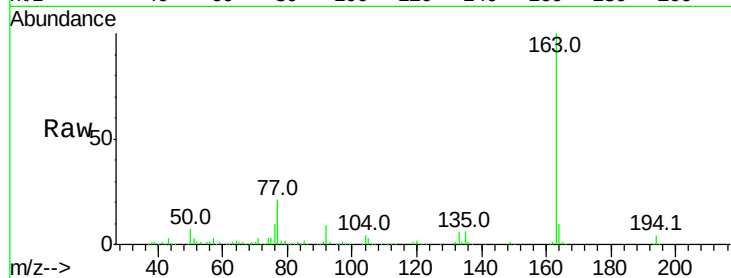
Tot Ion:163 Resp: 202452

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

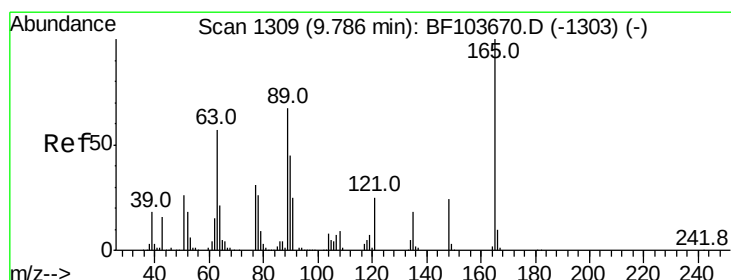
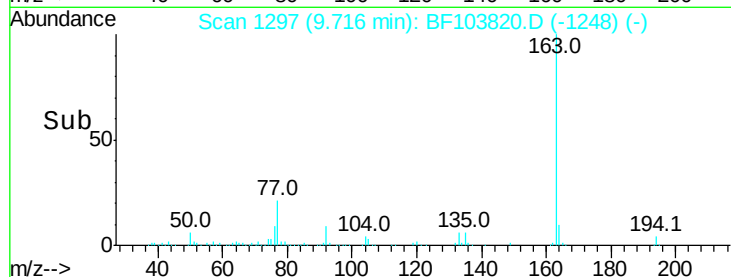
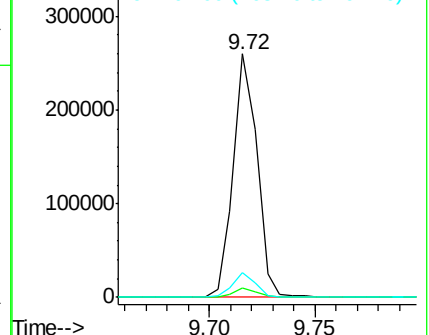
164 10.1 8.2 12.2



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: 4.518 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.07 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

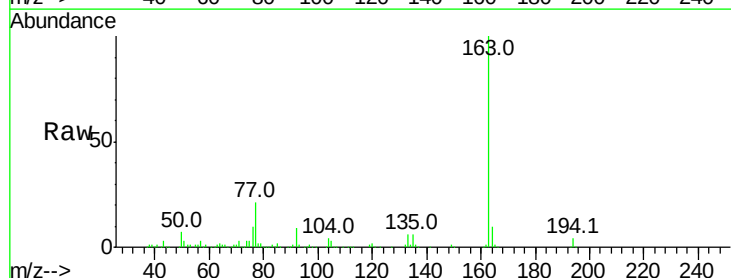
Tgt Ion:165 Resp: 2359

Ion Ratio Lower Upper

165 100

63 127.4 44.7 67.1#

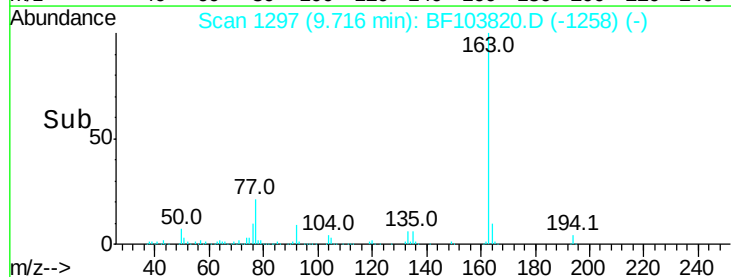
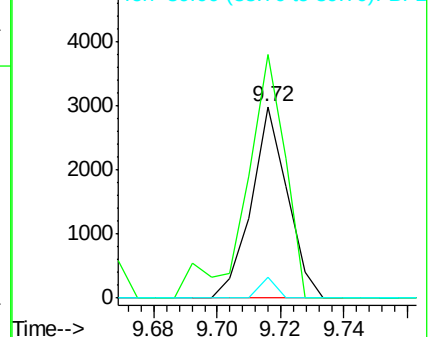
89 10.6 44.0 66.0#

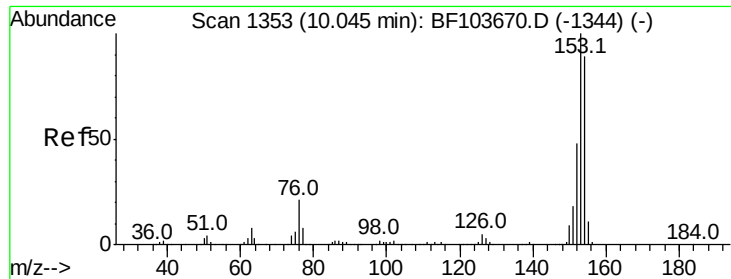


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 5.546 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

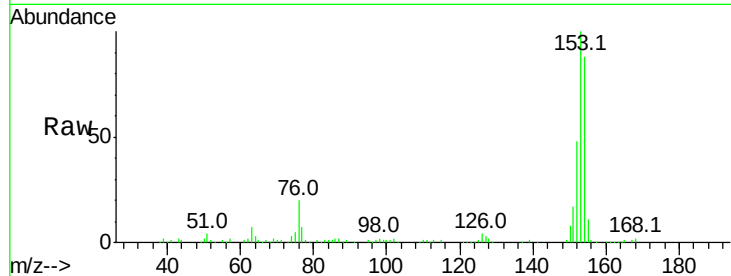
Tot Ion:154 Resp: 92756

Ion Ratio Lower Upper

154 100

153 113.4 91.2 136.8

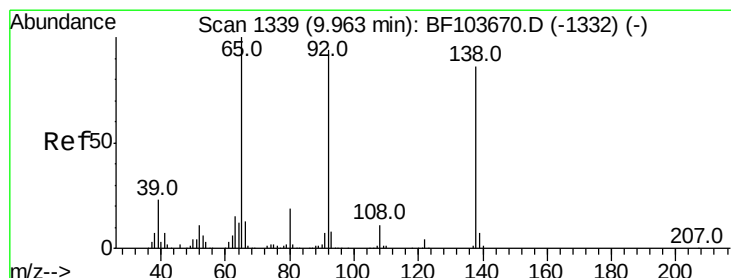
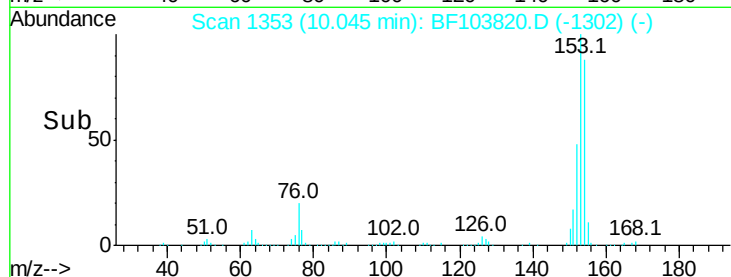
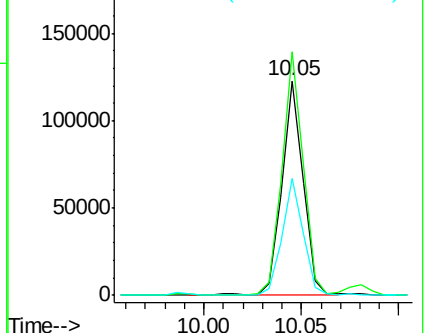
152 54.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 4.004 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.25 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

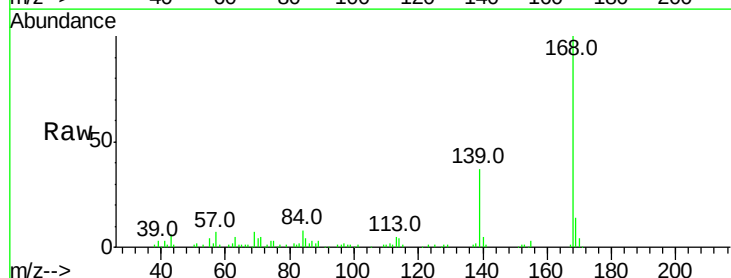
Tgt Ion:138 Resp: 999

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

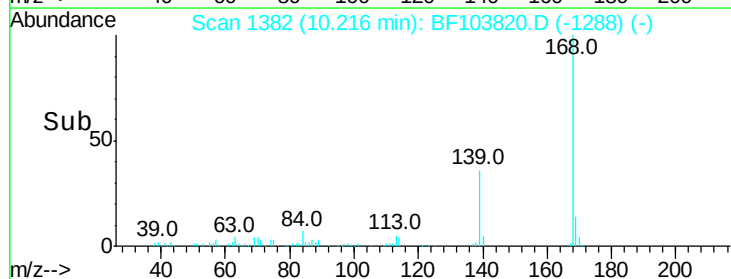
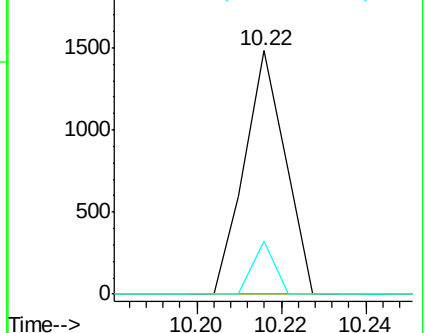
92 21.9 89.4 134.2#

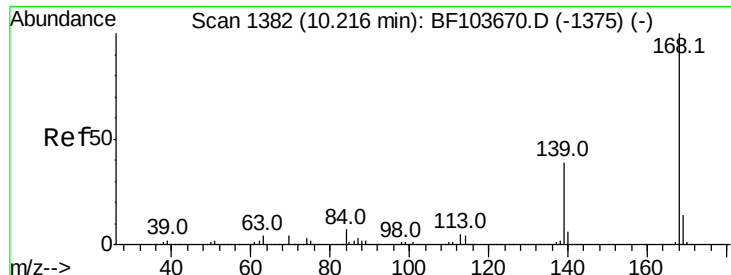


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

Dibenzenofuran

Concen: 2.615 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

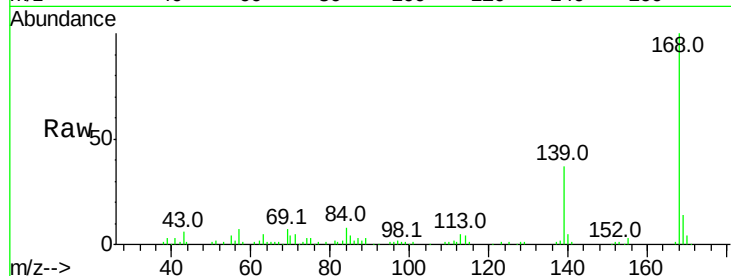
Tot Ion:168 Resp: 62456

Ion Ratio Lower Upper

168 100

139 36.8 30.1 45.1

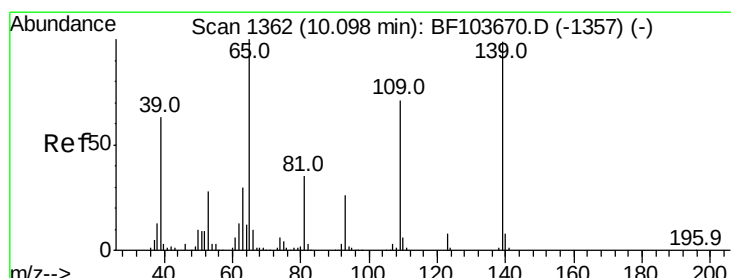
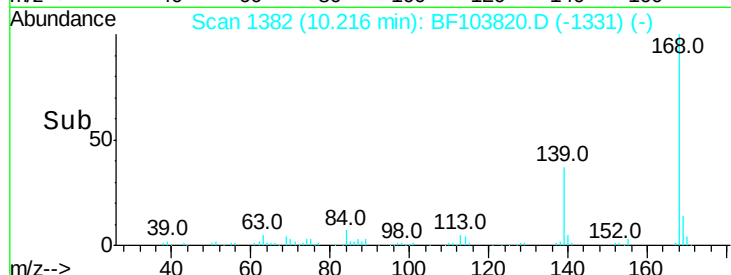
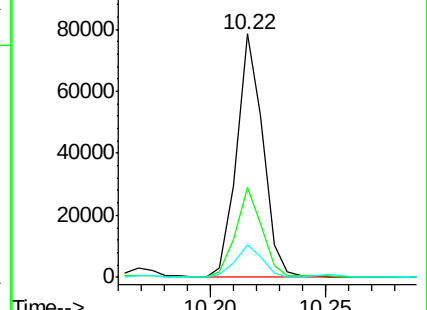
169 13.6 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 5.219 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.05 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

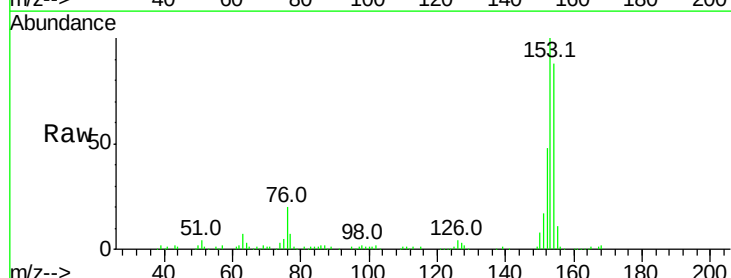
Tgt Ion:139 Resp: 1017

Ion Ratio Lower Upper

139 100

109 46.3 48.4 88.4#

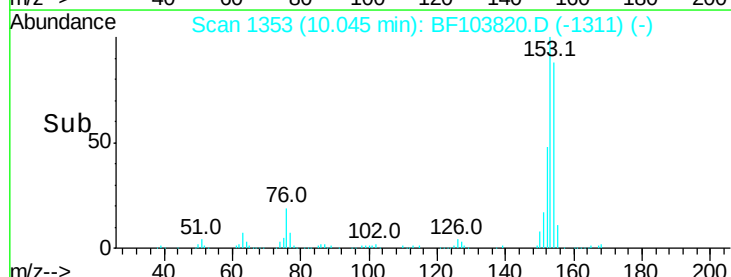
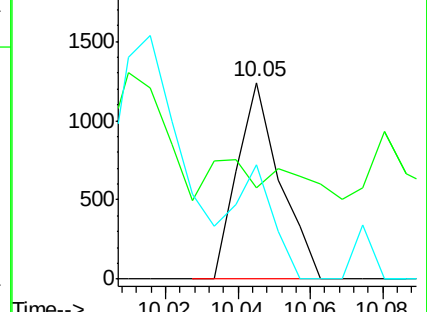
65 57.9 72.6 112.6#

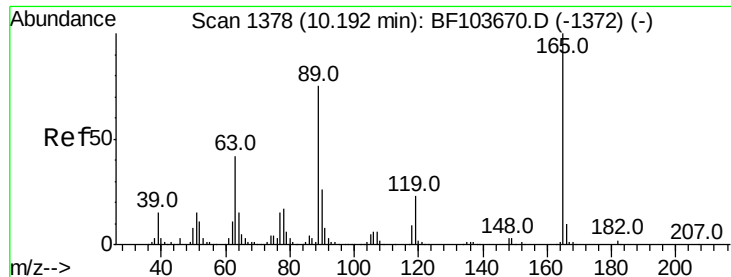


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

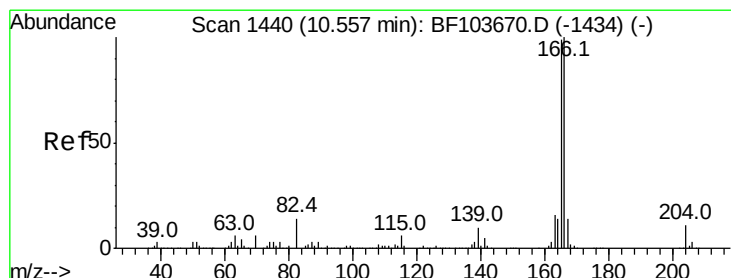
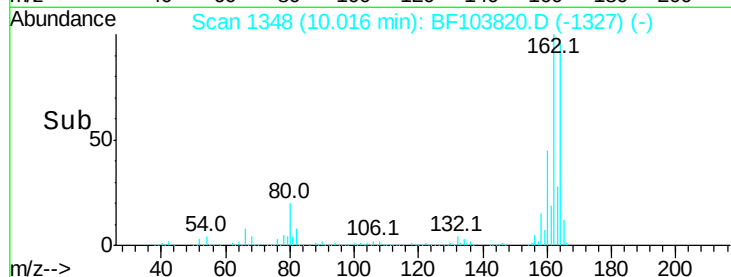
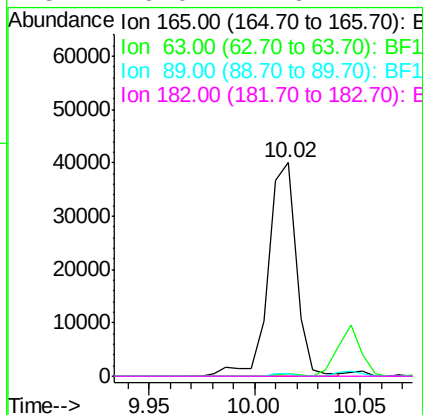
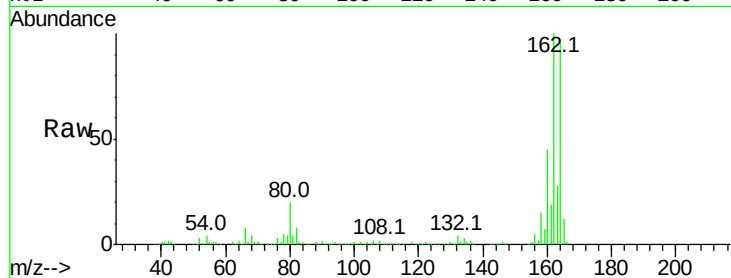




#56
2,4-Dinitrotoluene
Concen: 12.476 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.18 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

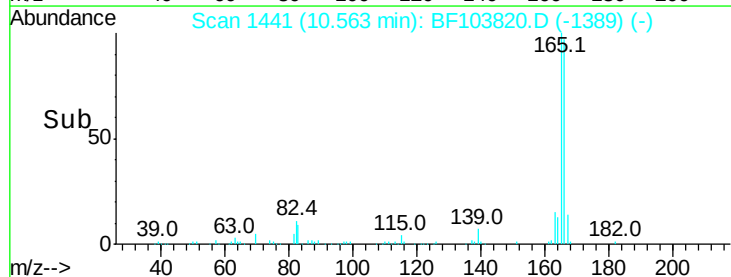
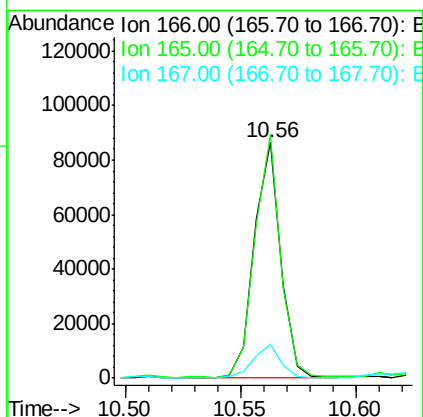
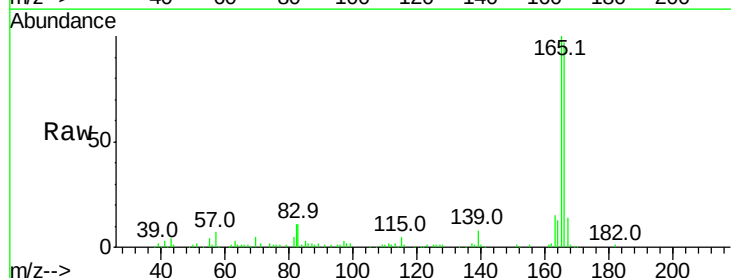
Instrument :
BNA_F
ClientSampleId :

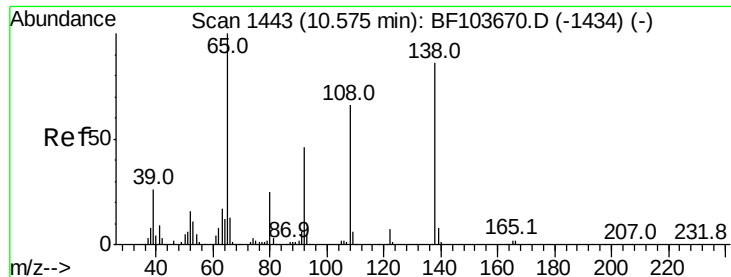
Tot Ion:165 Resp: 36890
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#



#57
Fluorene
Concen: 3.772 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion:166 Resp: 69902
Ion Ratio Lower Upper
166 100
165 103.5 79.8 119.8
167 14.1 10.6 16.0





#61

4-Nitroaniline

Concen: 3.933 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

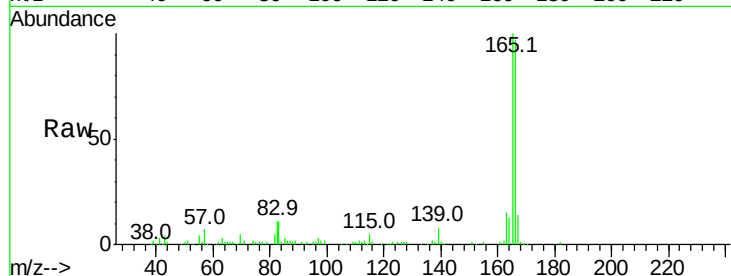
Tot Ion:138 Resp: 932

Ion Ratio Lower Upper

138 100

92 0.0 30.2 70.2#

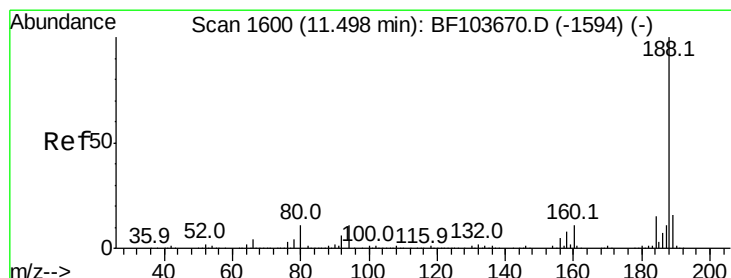
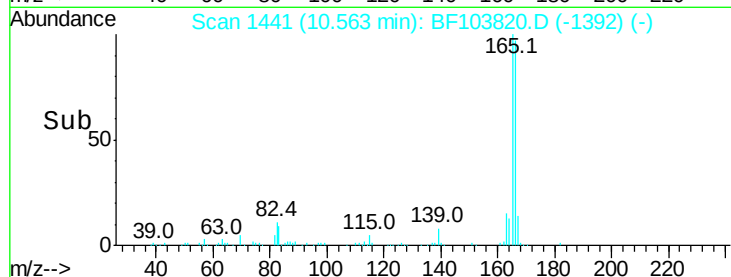
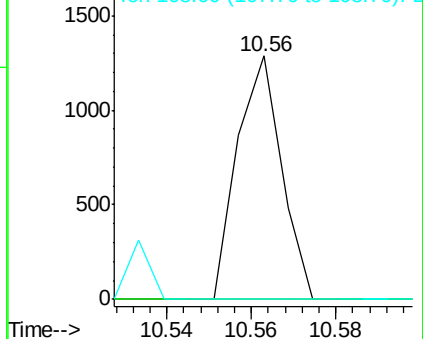
108 0.0 52.5 92.5#



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: 11.51 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

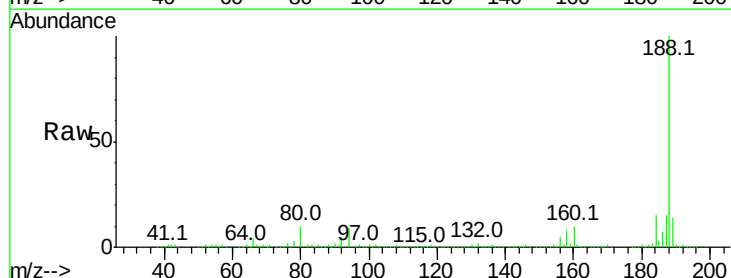
Tgt Ion:188 Resp: 393928

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

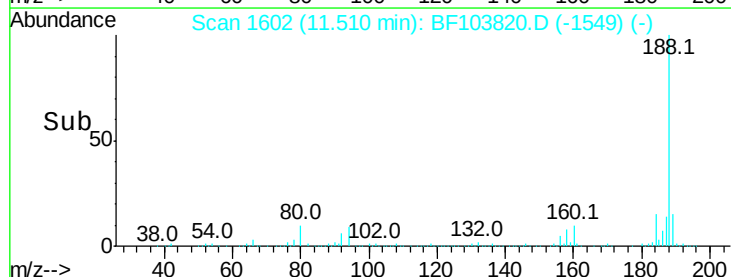
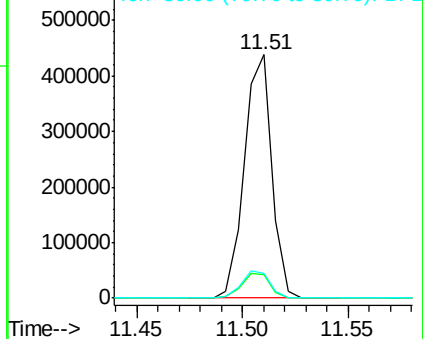
80 10.3 9.2 13.8

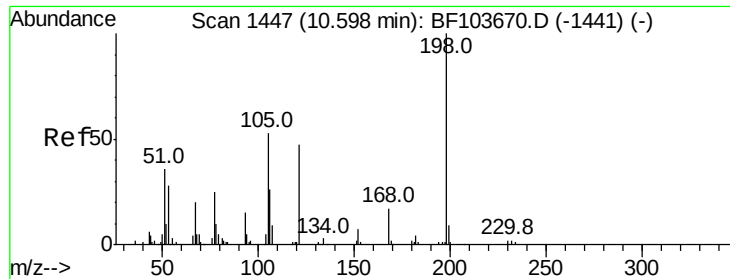


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.644 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.21 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

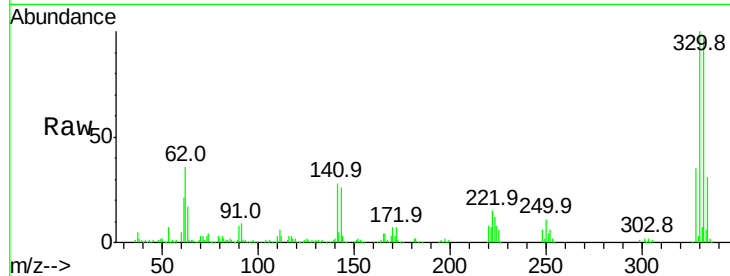
Tot Ion:198 Resp: 693

Ion Ratio Lower Upper

198 100

51 131.8 37.7 77.7#

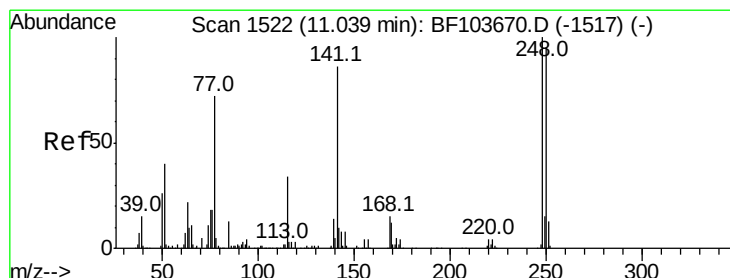
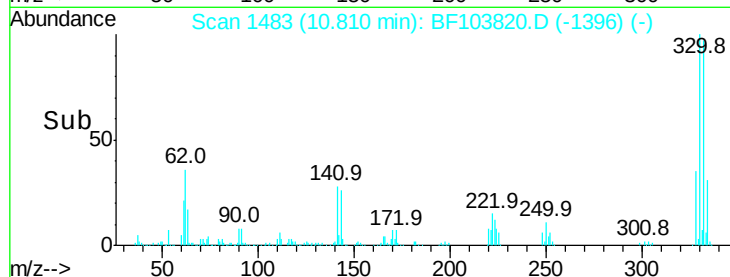
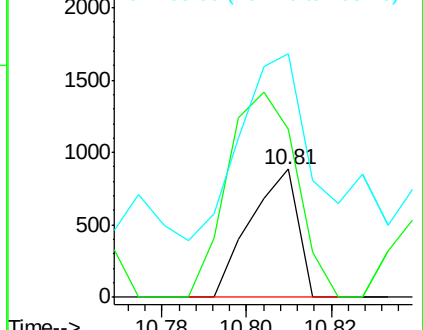
105 190.2 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 4.527 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.23 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

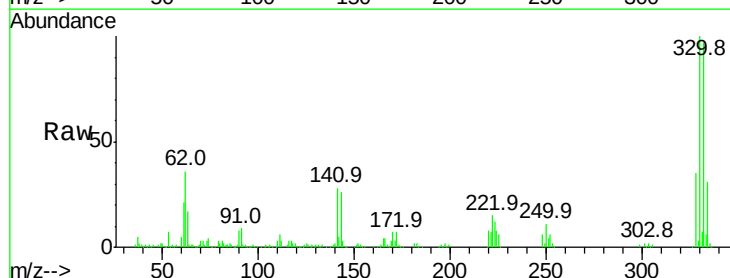
Tgt Ion:248 Resp: 18310

Ion Ratio Lower Upper

248 100

250 197.0 76.9 115.3#

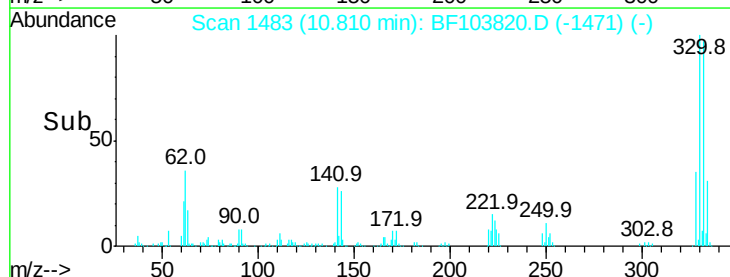
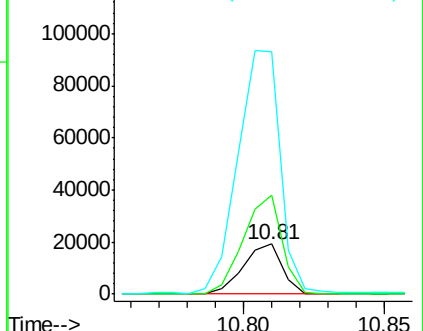
141 483.3 74.4 111.6#

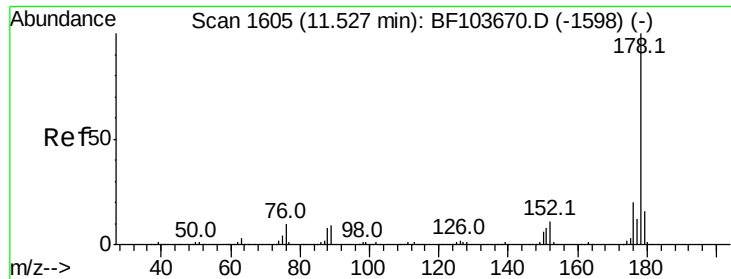


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 21.346 ng

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

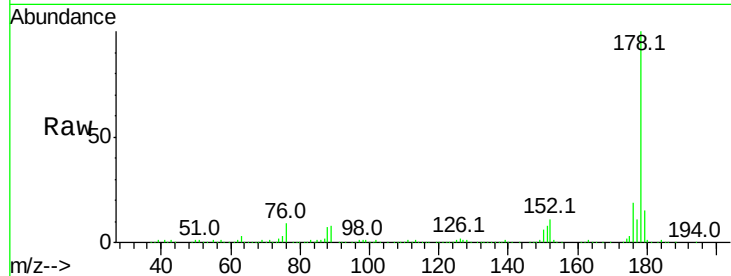
Tot Ion:178 Resp: 459969

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

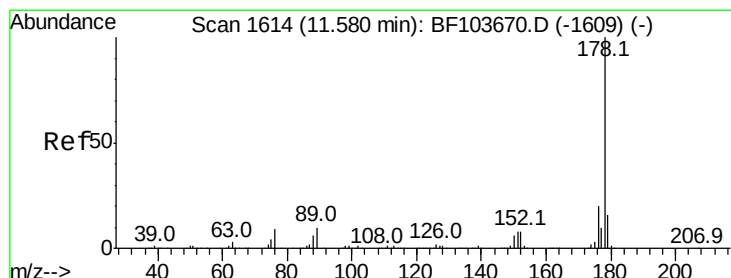
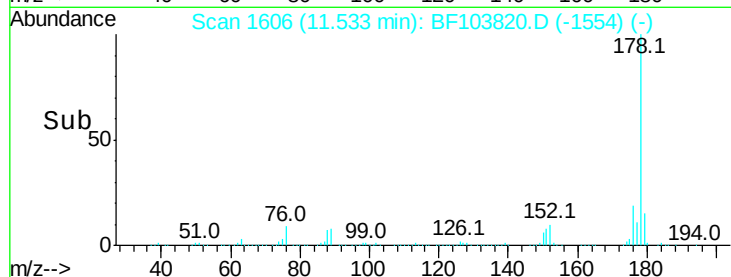
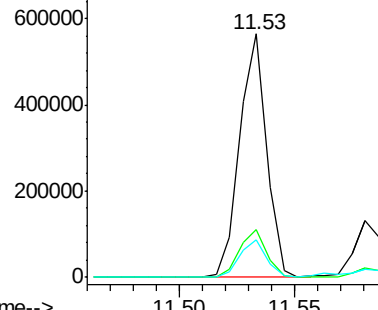
179 15.2 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.801 ng

RT: 11.58 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

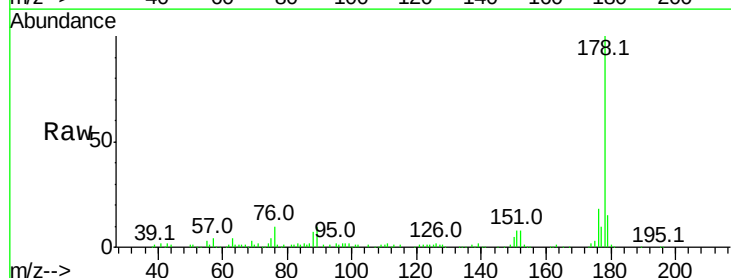
Tgt Ion:178 Resp: 105071

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

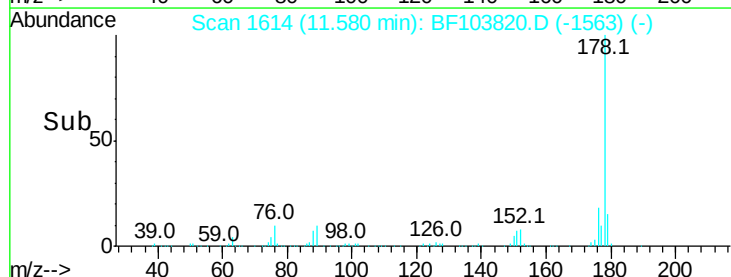
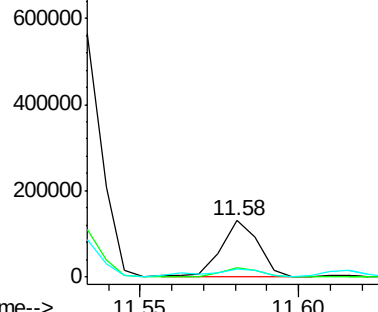
179 14.6 12.6 19.0

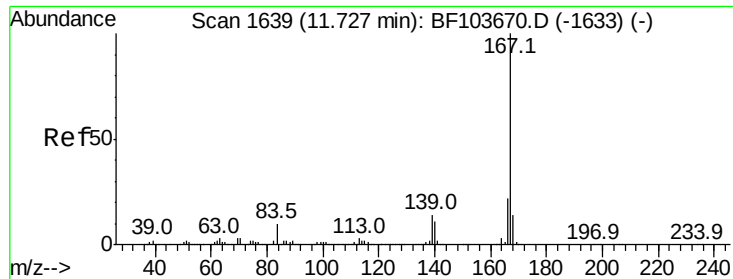


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.677 ng

RT: 11.73 min Scan# 1640

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

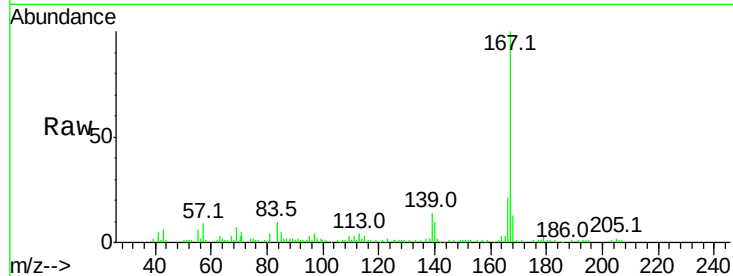
Tot Ion:167 Resp: 56948

Ion Ratio Lower Upper

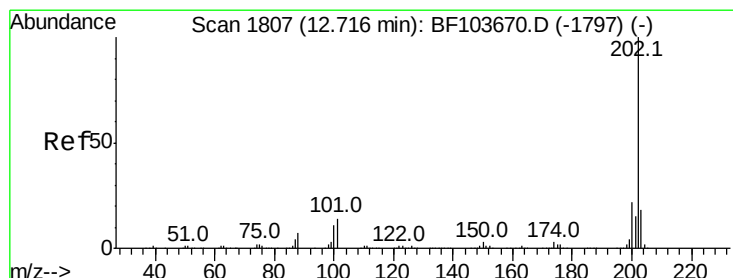
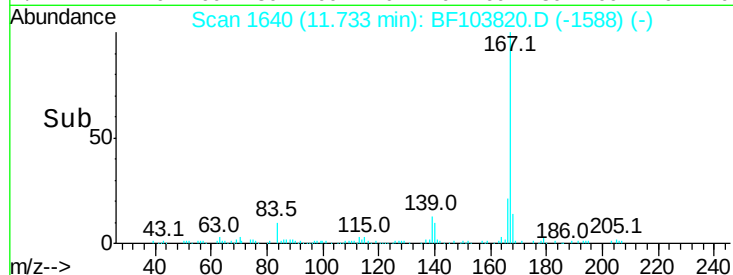
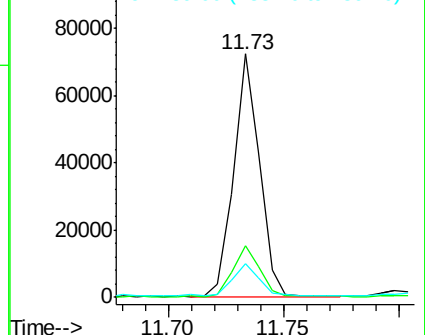
167 100

166 21.3 17.6 26.4

139 13.7 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 18.727 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

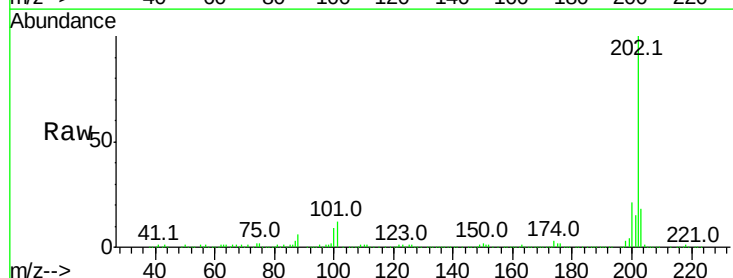
Tgt Ion:202 Resp: 415748

Ion Ratio Lower Upper

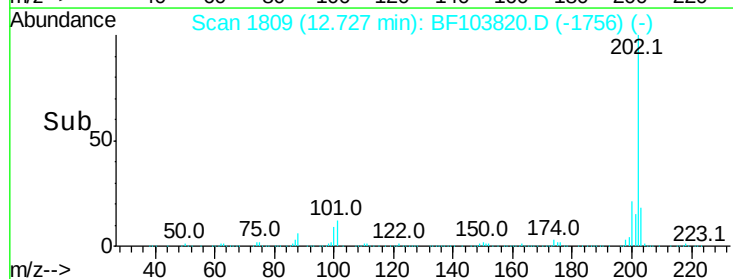
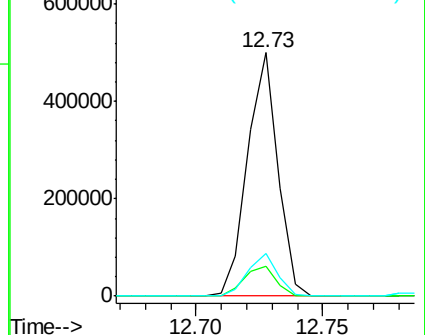
202 100

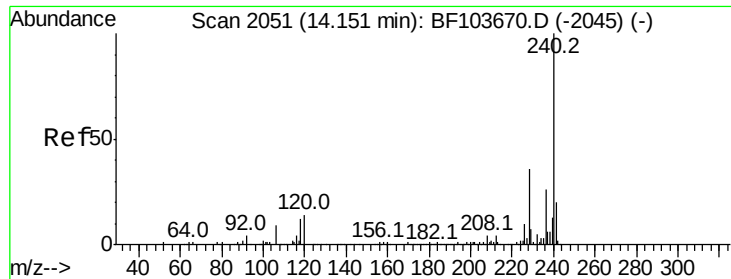
101 12.3 0.0 34.1

203 17.6 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: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

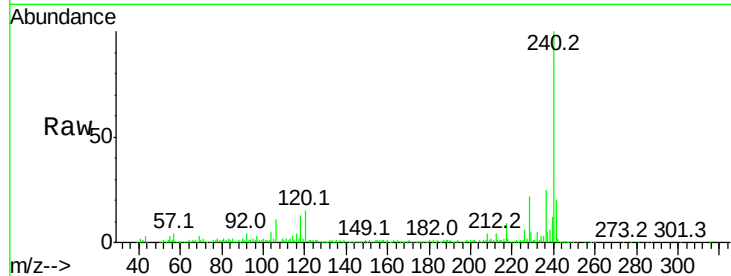
Tot Ion:240 Resp: 271946

Ion Ratio Lower Upper

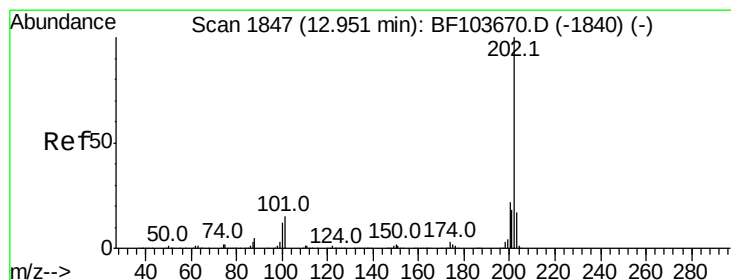
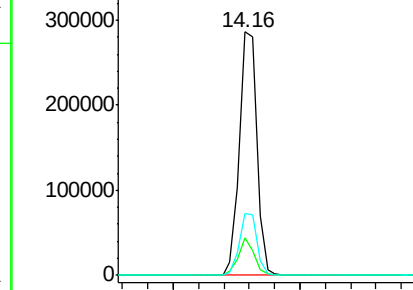
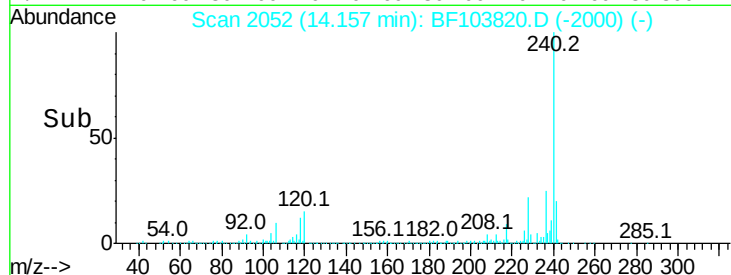
240 100

120 15.3 9.5 14.3#

236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.805 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

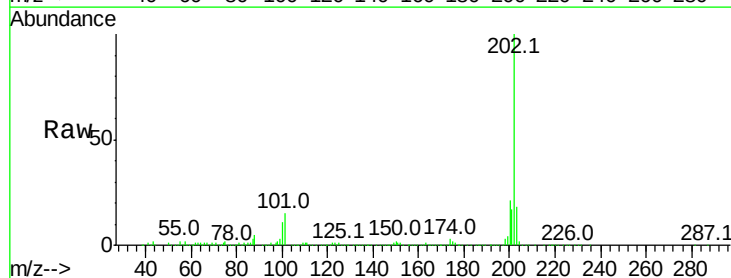
Tgt Ion:202 Resp: 335628

Ion Ratio Lower Upper

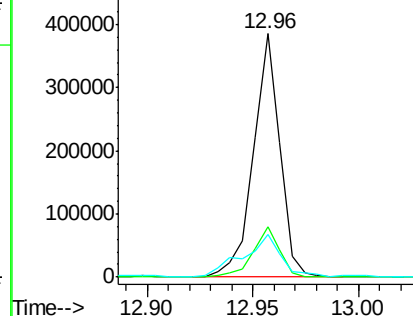
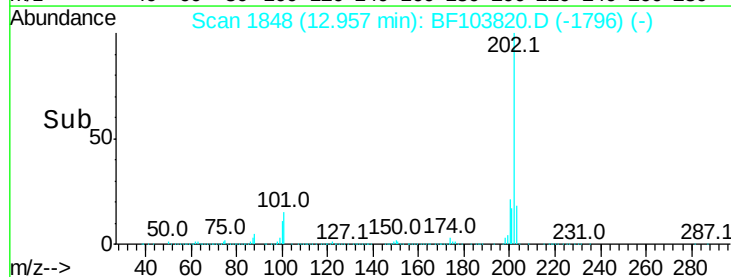
202 100

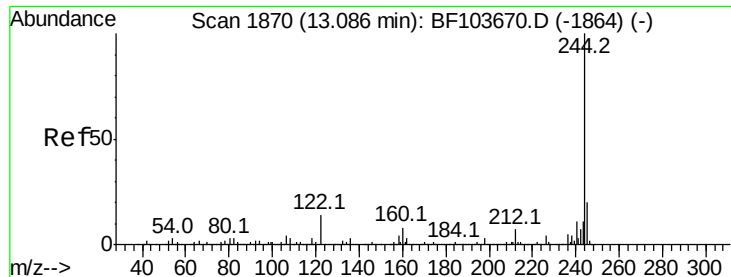
200 20.8 17.4 26.2

203 17.7 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: 76.063 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

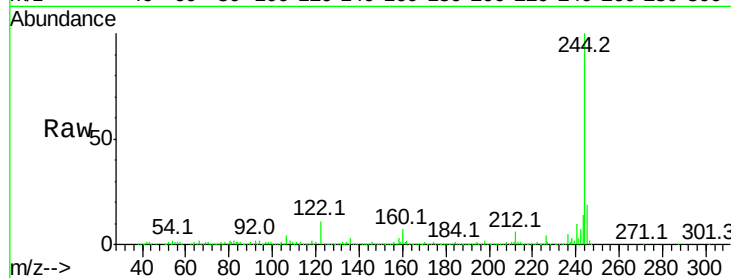
Tot Ion:244 Resp: 891154

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

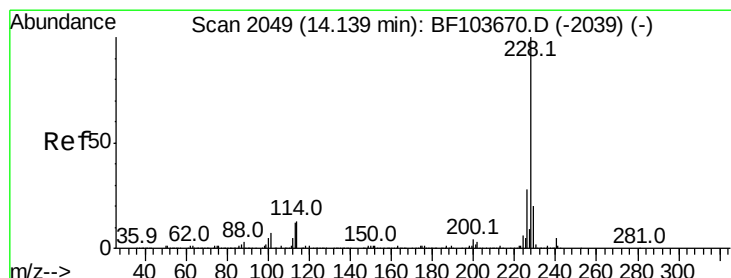
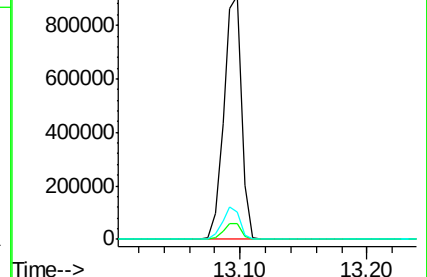
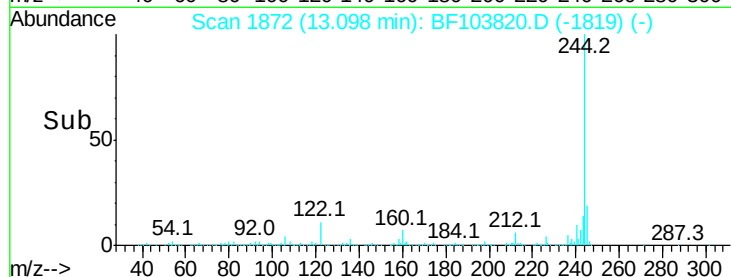
122 11.3 11.0 16.4



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: 9.496 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

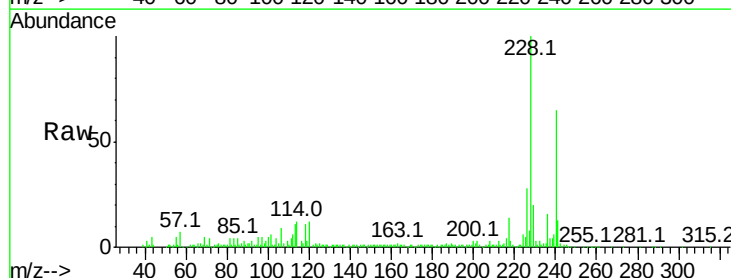
Tgt Ion:228 Resp: 163468

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

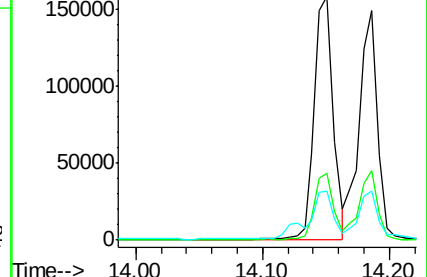
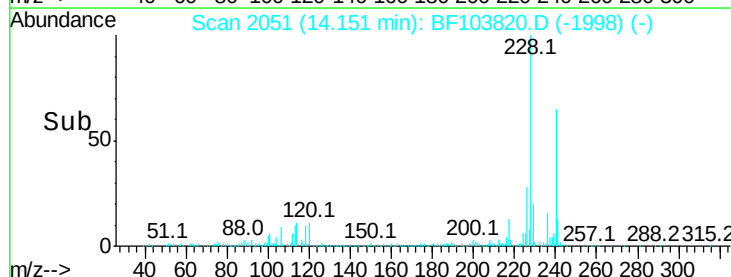
229 20.0 15.8 23.6

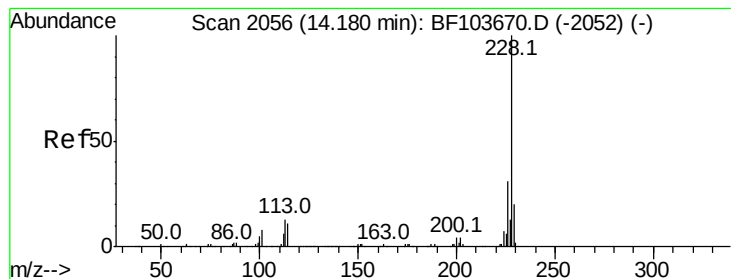


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.000 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

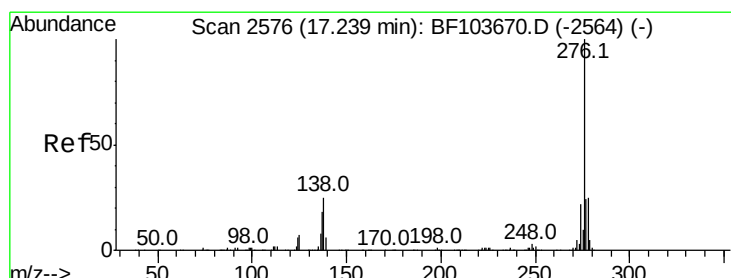
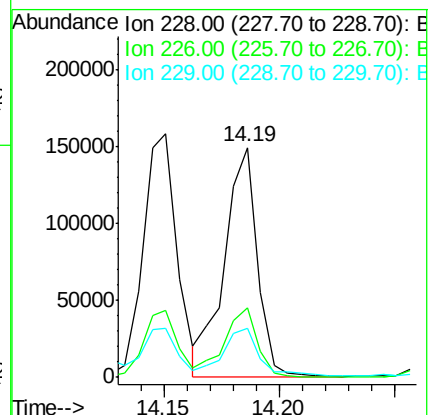
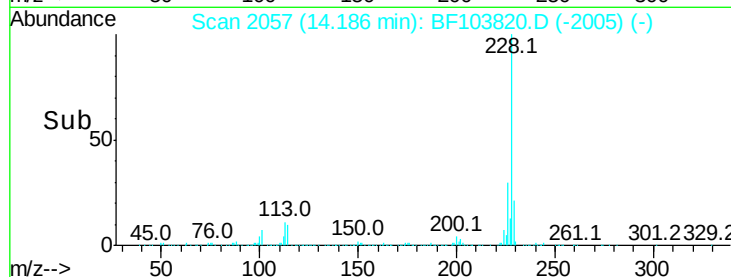
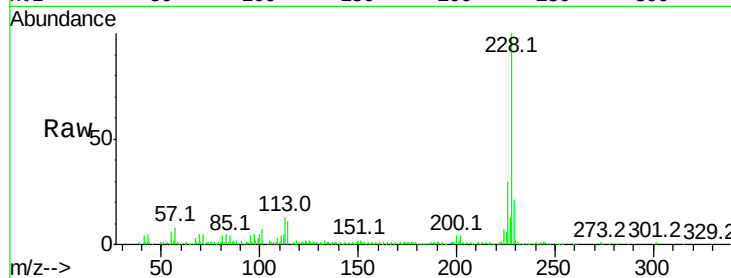
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 147691

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.5	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.984 ng

RT: 17.27 min Scan# 2581

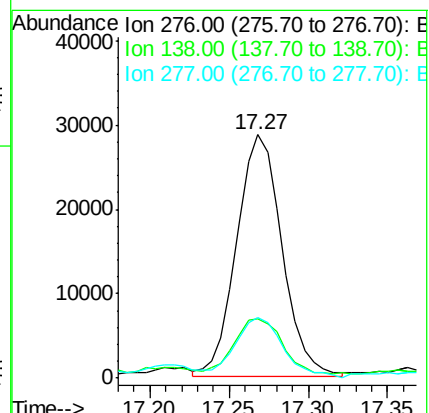
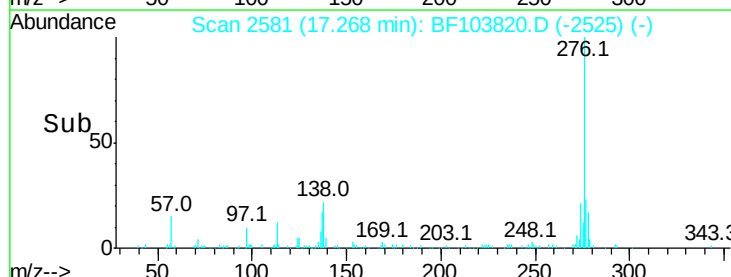
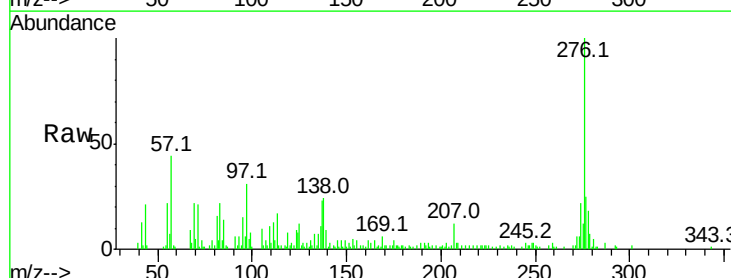
Delta R.T. 0.03 min

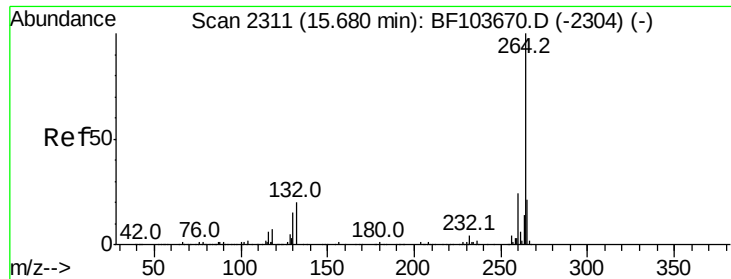
Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Tgt Ion:276 Resp: 57086

Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	26.9	20.1	30.1

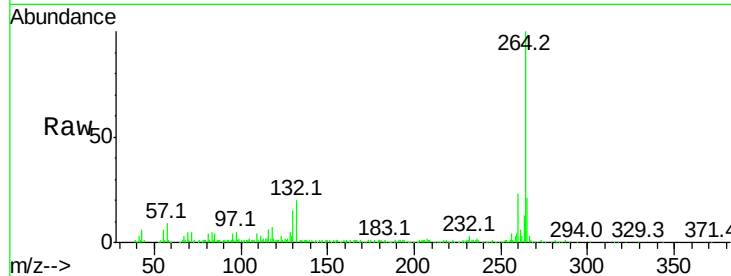




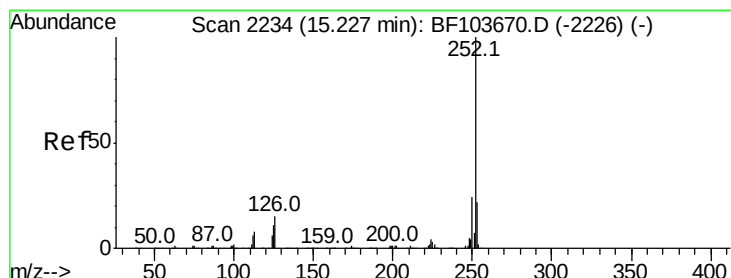
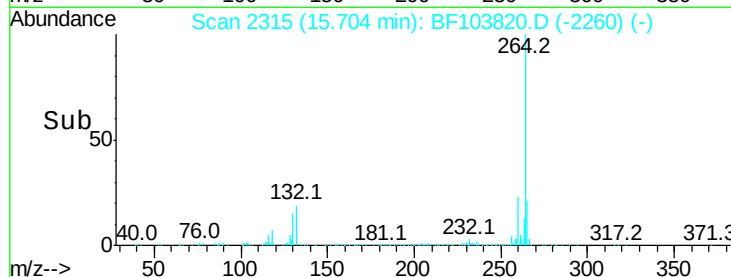
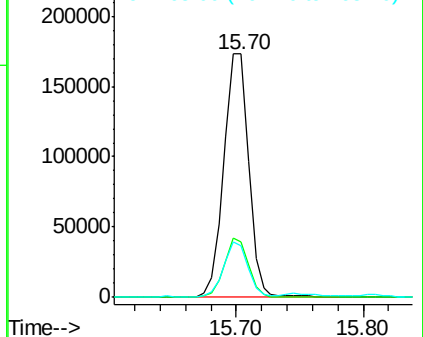
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 237209
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.2 17.5 26.3

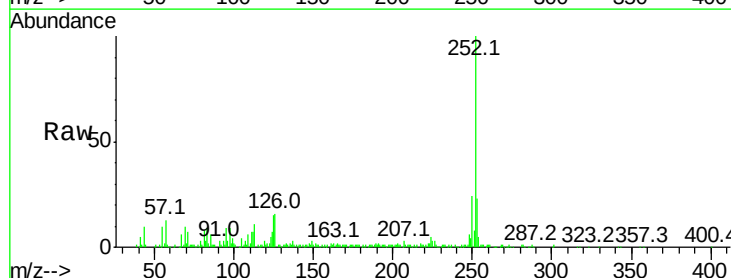


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

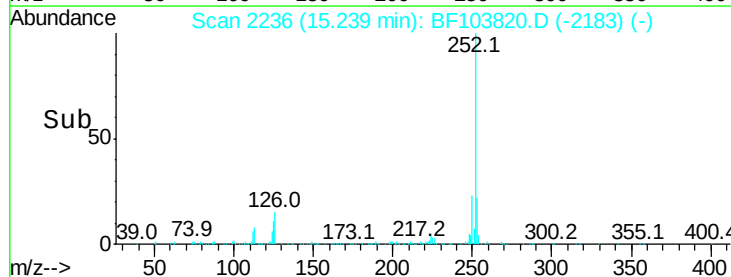
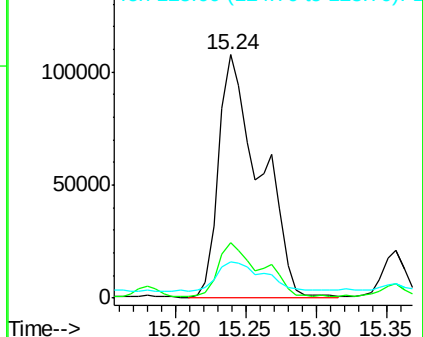


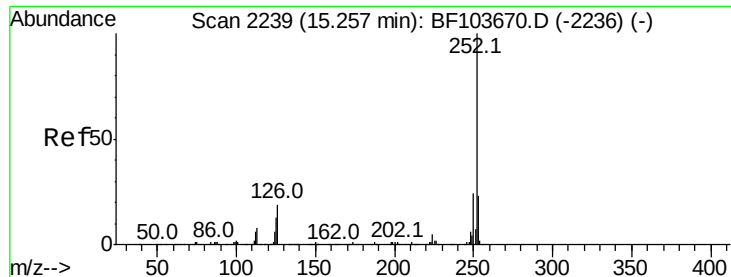
#87
Benzo(b)fluoranthene
Concen: 14.628 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion:252 Resp: 219215
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 14.8 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: 15.217 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

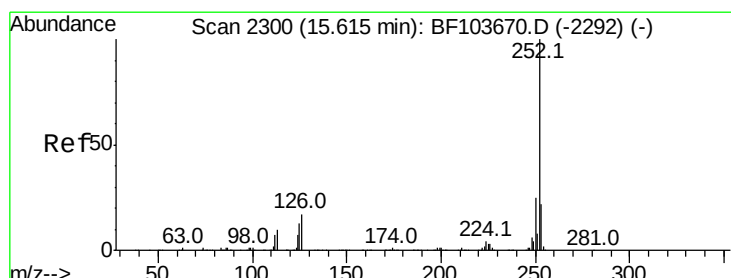
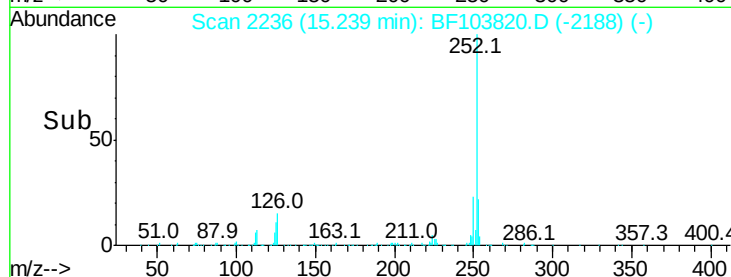
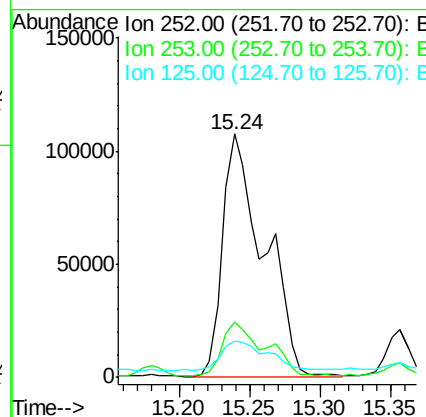
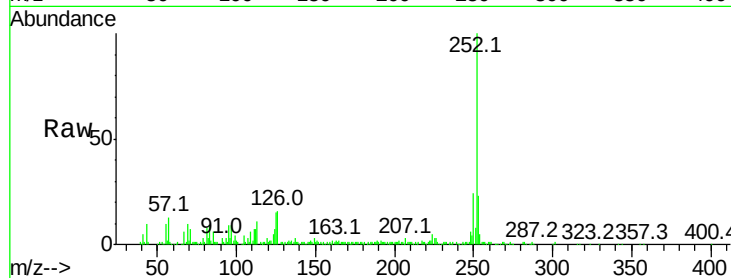
Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 219215

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.8	10.2	15.2



#89

Benzo(a)pyrene

Concen: 8.262 ng

RT: 15.63 min Scan# 2303

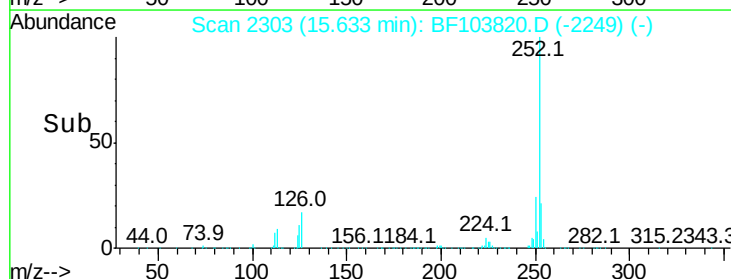
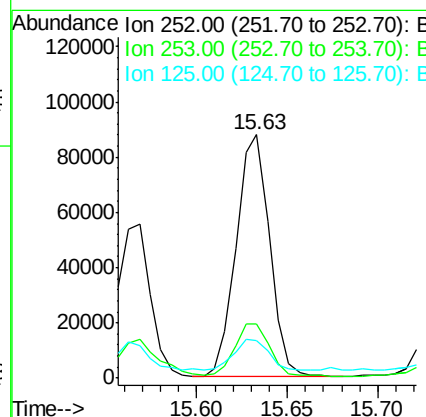
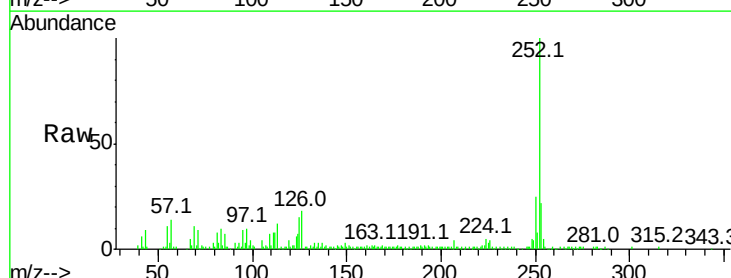
Delta R.T. 0.02 min

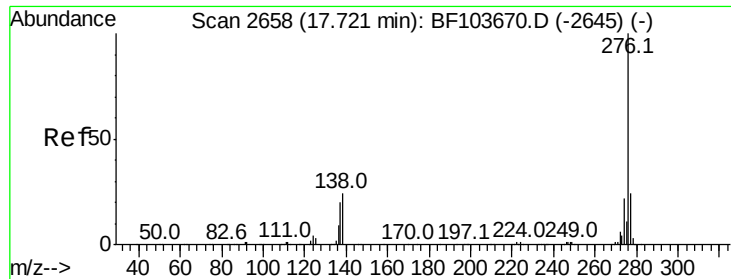
Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Tgt Ion:252 Resp: 112299

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	15.2	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.313 ng

RT: 17.75 min Scan# 2663

Delta R.T. 0.03 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

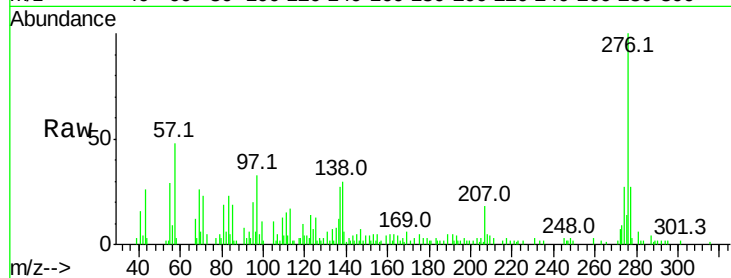
Tot Ion:276 Resp: 49380

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 29.9 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

