

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021518\
 Data File : BF103022.D
 Acq On : 15 Feb 2018 17:21
 Operator : SJ/JU
 Sample : J1393-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-021418-C

Quant Time: Feb 15 18:07:21 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	193827	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	764927	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	326186	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	491821	20.00	ng	0.00
75) Chrysene-d12	14.05	240	310440	20.00	ng	0.00
86) Perylene-d12	15.53	264	292145	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	637107	49.92	ng	0.00
7) Phenol-d6	6.50	99	772351	50.26	ng	0.00
23) Nitrobenzene-d5	7.44	82	460820	41.79	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	120790	46.01	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	708927	36.06	ng	0.00
78) Terphenyl-d14	12.99	244	482968	36.84	ng	0.00

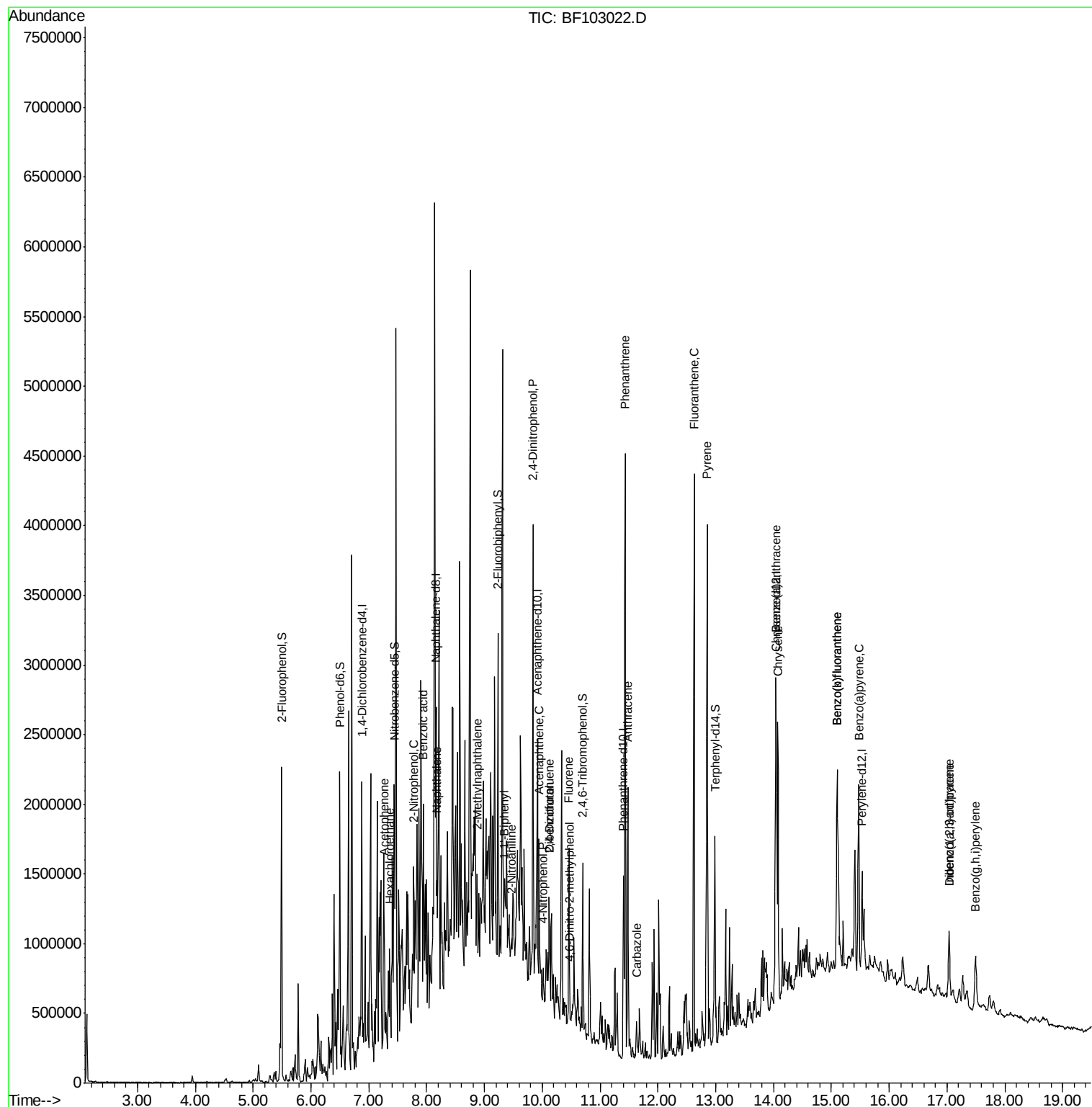
Target Compounds				Qvalue		
18) Hexachloroethane	7.36	117	15518	2.986	ng	# 1
22) Acetophenone	7.27	105	197472	10.550	ng	# 60
26) 2-Nitrophenol	7.77	139	3945	9.273	ng	# 1
31) Naphthalene	8.18	128	121465	3.250	ng	# 90
32) Benzoic acid	7.95	122	3286	8.962	ng	# 14
37) 2-Methylnaphthalene	8.87	142	139520	5.702	ng	99
45) 1,1'-Biphenyl	9.33	154	56769	2.066	ng	97
47) 2-Nitroaniline	9.47	65	1433	3.671	ng	# 1
51) Acenaphthene	9.95	154	200707	9.990	ng	99
53) 2,4-Dinitrophenol	9.84	184	335	8.316	ng	# 1
54) Dibenzofuran	10.12	168	204057	7.207	ng	99
55) 4-Nitrophenol	10.02	139	3817	4.765	ng	# 1
56) 2,4-Dinitrotoluene	10.12	165	2841	3.485	ng	# 1
57) Fluorene	10.46	166	311803	15.136	ng	98
64) 4,6-Dinitro-2-methylphenol	10.48	198	113	8.843	ng	# 1
70) Phenanthrene	11.43	178	1746524	63.762	ng	99
71) Anthracene	11.48	178	667022	23.942	ng	99
72) Carbazole	11.63	167	88832	3.255	ng	98
74) Fluoranthene	12.63	202	1948293	70.696	ng	99
77) Pyrene	12.86	202	1754757	72.084	ng	99
80) Benzo(a)anthracene	14.04	228	991624	50.791	ng	99
82) Chrysene	14.07	228	781500	39.708	ng	98
85) Indeno(1,2,3-cd)pyrene	17.04	276	349126	21.389	ng	95
87) Benzo(b)fluoranthene	15.10	252	1274805	67.305	ng	# 93
88) Benzo(k)fluoranthene	15.10	252	1274805	70.440	ng	96
89) Benzo(a)pyrene	15.47	252	678350	39.788	ng	# 94
90) Dibenzo(a,h)anthracene	17.04	278	90245	6.521	ng	# 90
91) Benzo(g,h,i)perylene	17.50	276	322981	23.846	ng	97

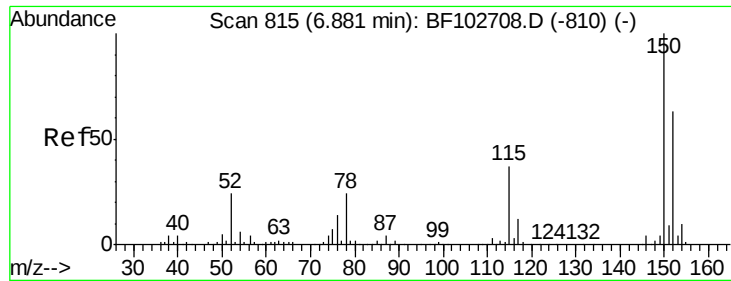
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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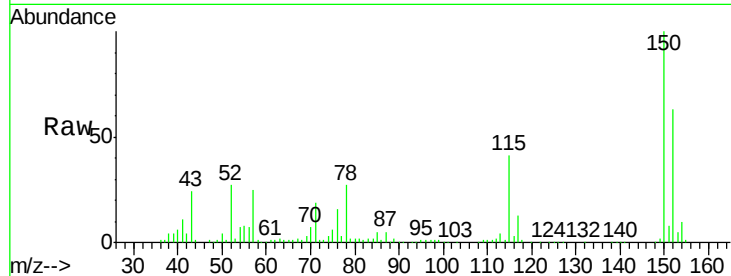


#1

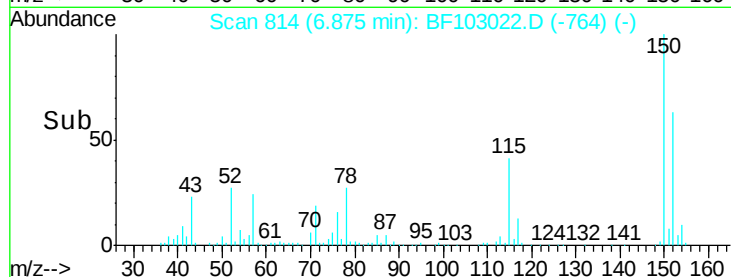
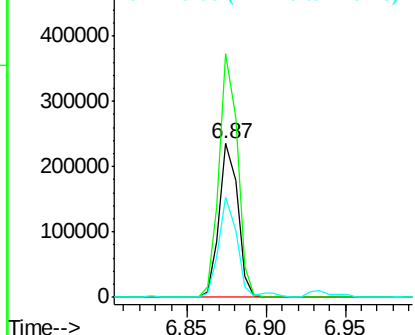
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

Tgt Ion:152 Resp: 193827
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 65.3 50.1 75.1



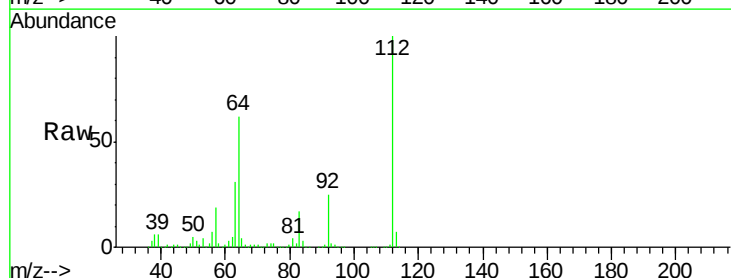
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



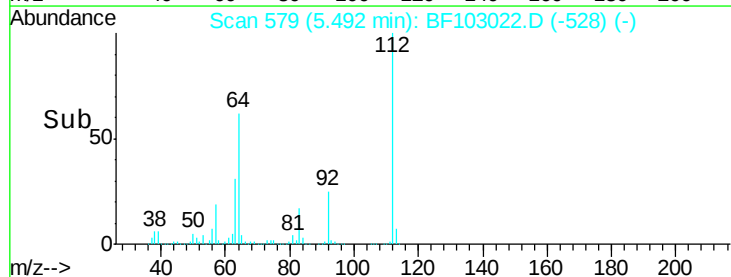
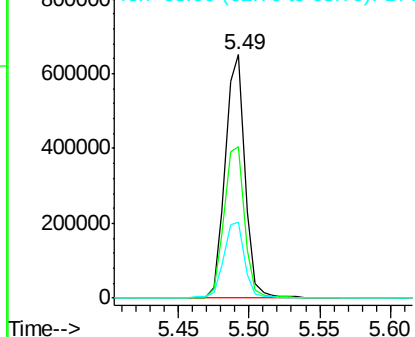
#5

2-Fluorophenol
Concen: 49.918 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:112 Resp: 637107
Ion Ratio Lower Upper
112 100
64 62.1 47.9 71.9
63 31.1 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: 50.259 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

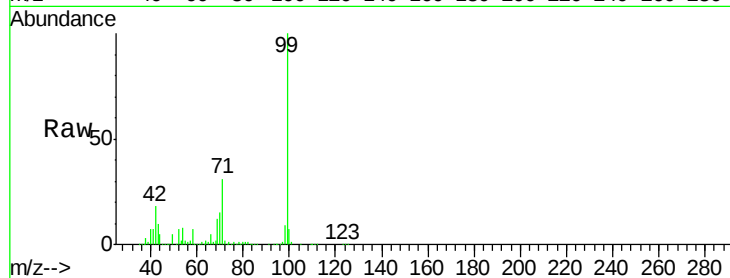
Tgt Ion: 99 Resp: 772351

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

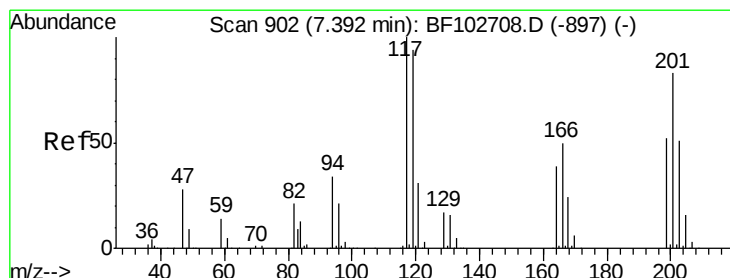
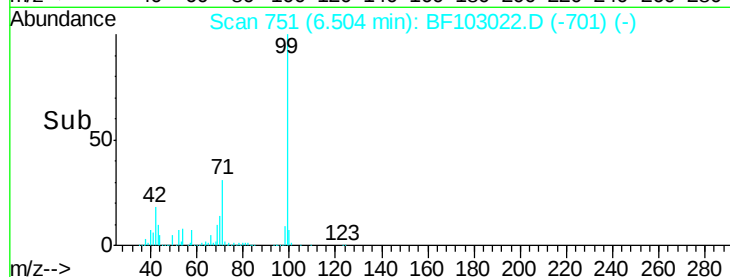
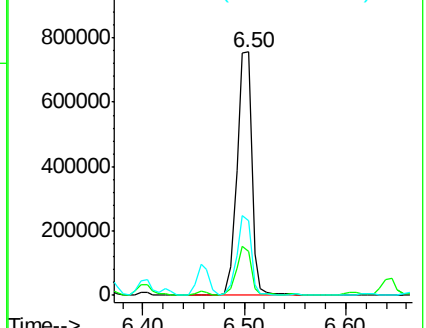
71 30.9 25.4 38.0



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



#18

Hexachloroethane

Concen: 2.986 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.03 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

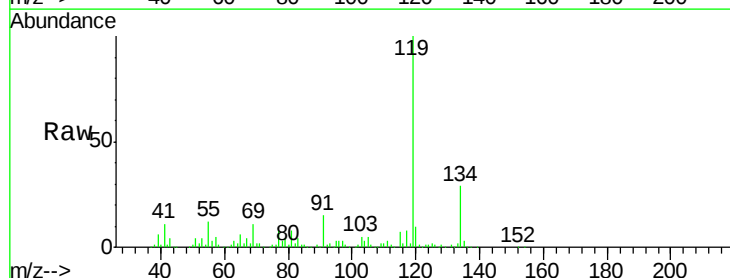
Tgt Ion: 117 Resp: 15518

Ion Ratio Lower Upper

117 100

119 1297.5 75.8 113.8#

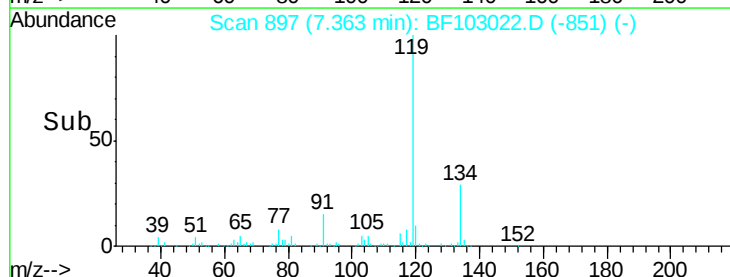
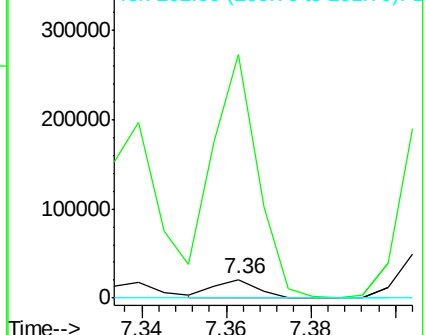
201 0.0 75.7 113.5#

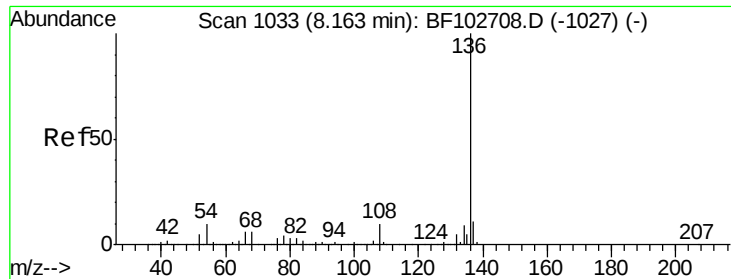


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

Tgt Ion:136 Resp: 764927

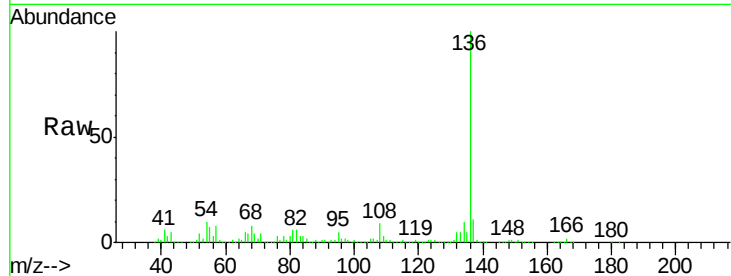
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.0 6.6 9.8#

68 7.5 5.0 7.4#

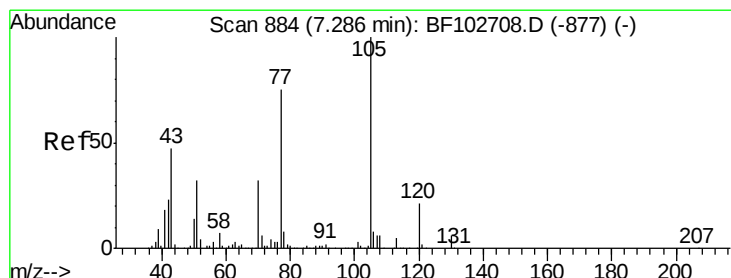
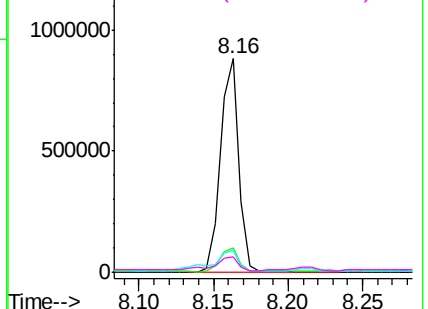
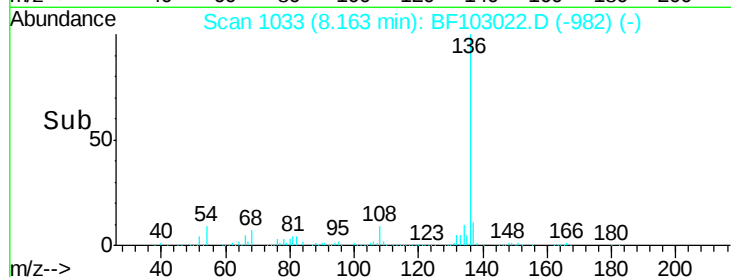


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 10.550 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Tgt Ion:105 Resp: 197472

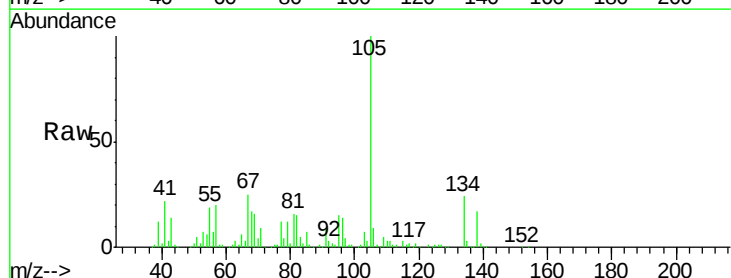
Ion Ratio Lower Upper

105 100

71 8.6 4.4 6.6#

51 5.1 22.3 33.5#

120 0.3 16.9 25.3#

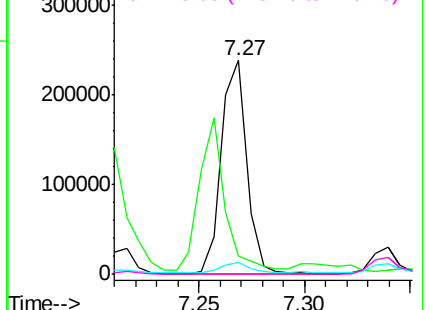
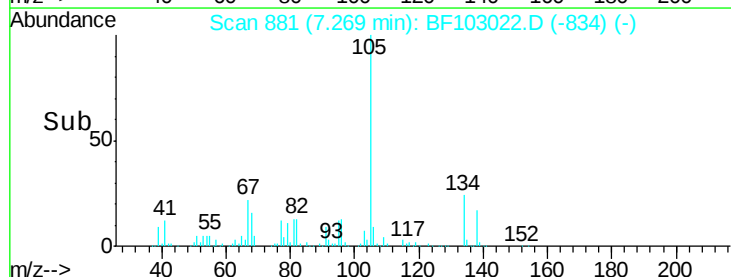


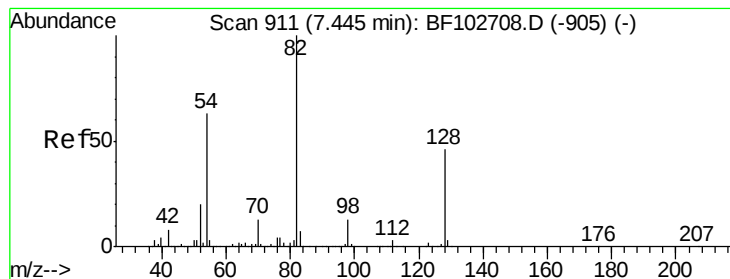
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 41.791 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

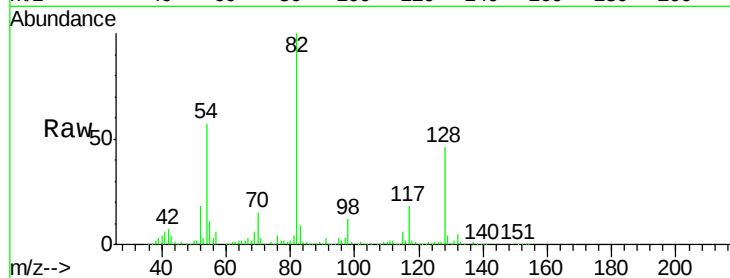
Tgt Ion: 82 Resp: 460820

Ion Ratio Lower Upper

82 100

128 46.4 36.1 54.1

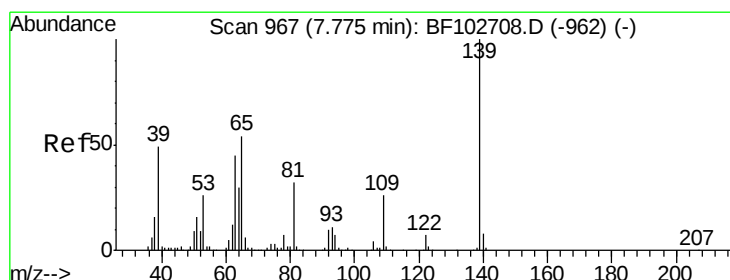
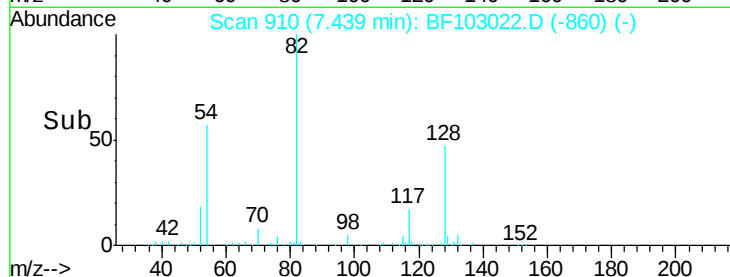
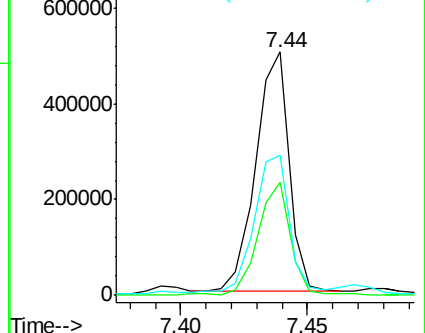
54 57.4 41.4 62.2



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: 9.273 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

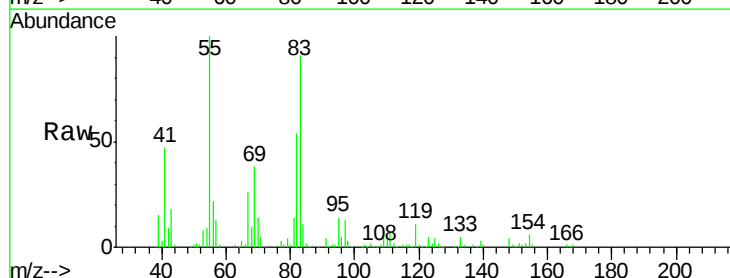
Tgt Ion: 139 Resp: 3945

Ion Ratio Lower Upper

139 100

109 308.0 22.7 34.1#

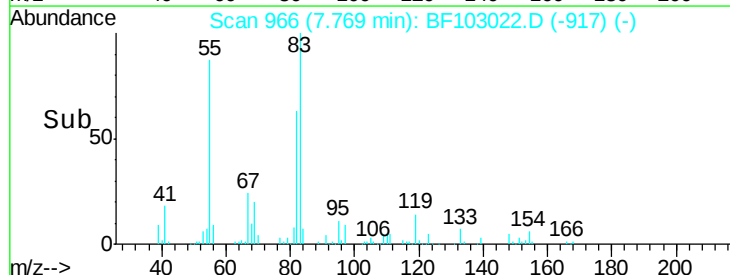
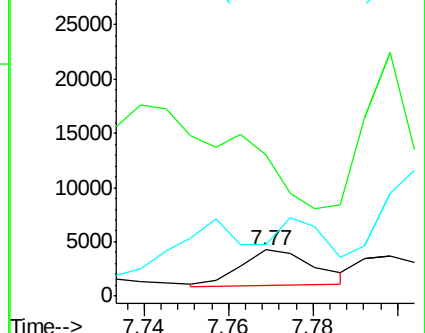
65 111.5 40.5 60.7#

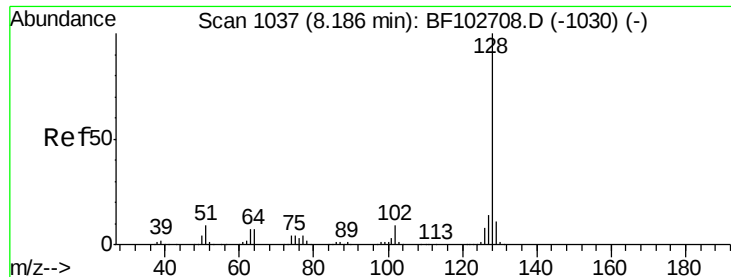


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

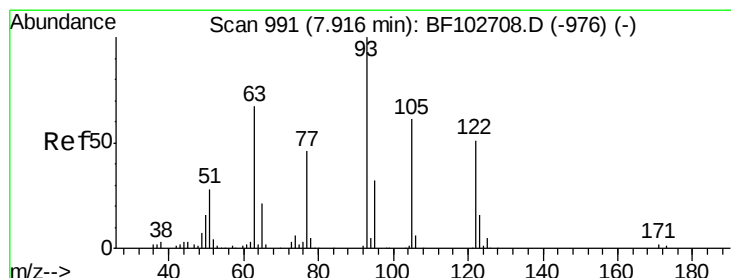
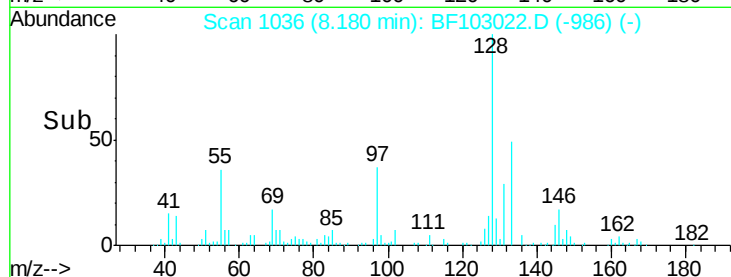
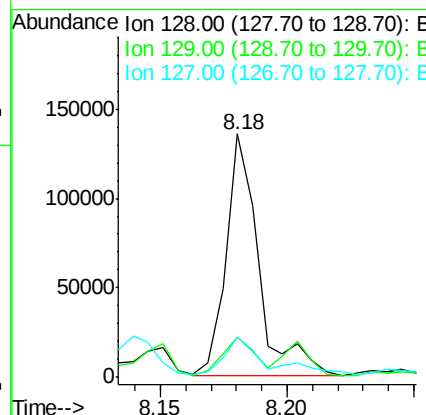
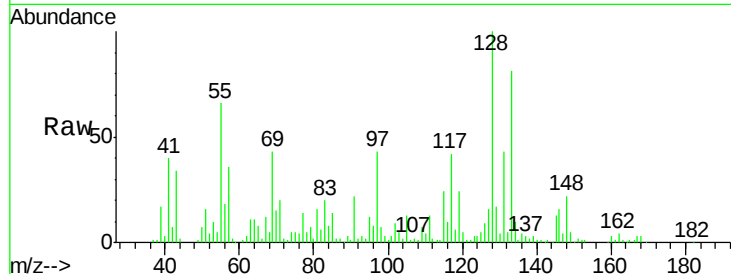




#31
Naphthalene
Concen: 3.250 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

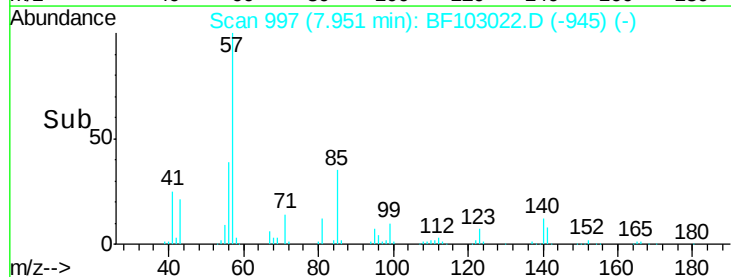
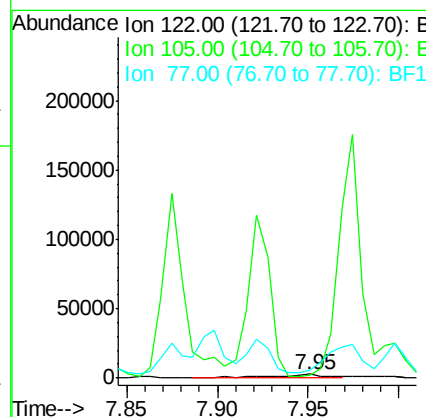
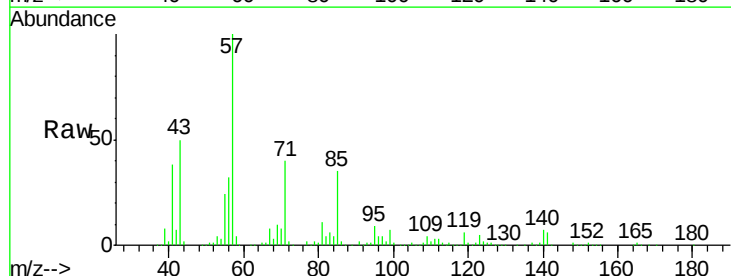
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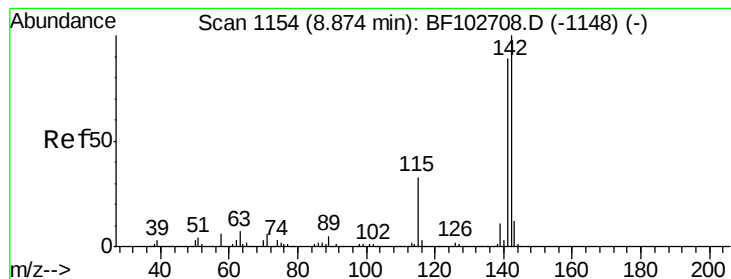
Tgt Ion:128 Resp: 121465
Ion Ratio Lower Upper
128 100
129 16.5 8.8 13.2#
127 16.3 10.9 16.3#



#32
Benzoic acid
Concen: 8.962 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:122 Resp: 3286
Ion Ratio Lower Upper
122 100
105 68.3 101.1 141.1#
77 221.8 70.7 110.7#





#37

2-Methylnaphthalene

Concen: 5.702 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

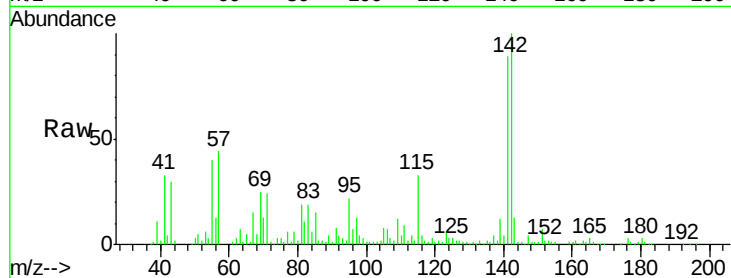
Tgt Ion:142 Resp: 139520

Ion Ratio Lower Upper

142 100

141 89.1 70.8 106.2

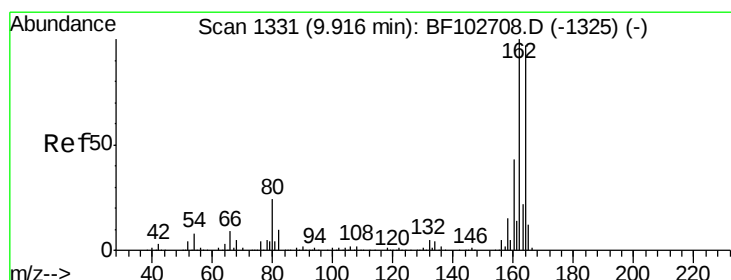
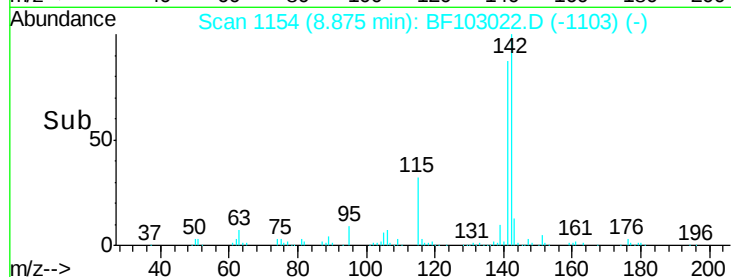
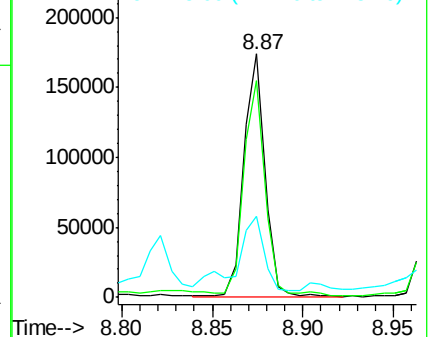
115 33.3 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

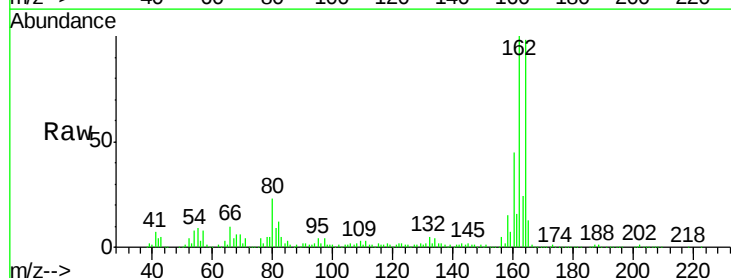
Tgt Ion:164 Resp: 326186

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

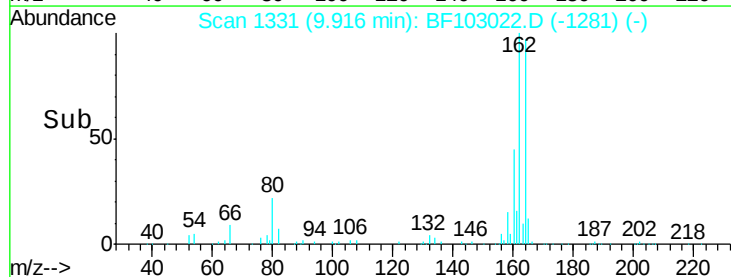
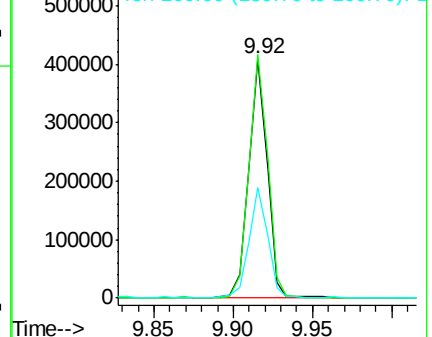
160 46.1 38.3 57.5

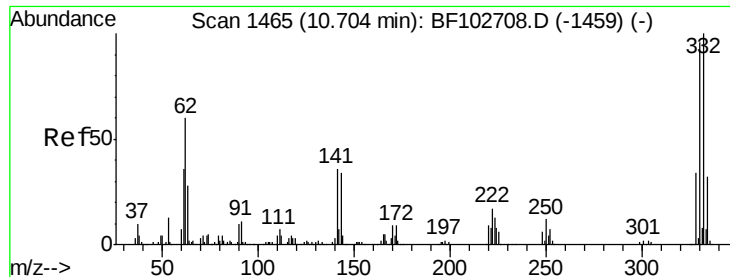


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 46.008 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

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HR-06-021418-C

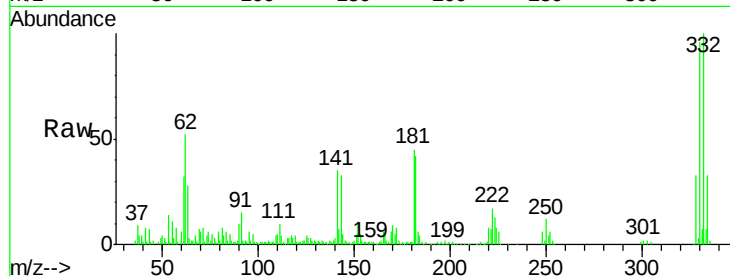
Tgt Ion:330 Resp: 120790

Ion Ratio Lower Upper

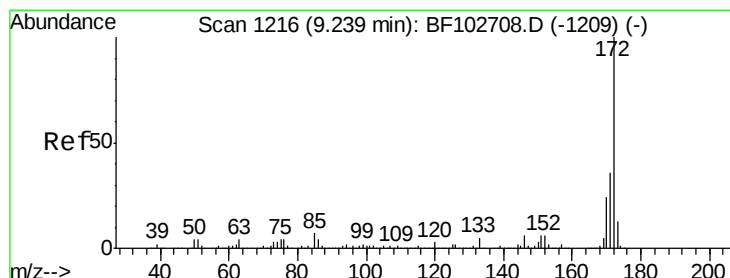
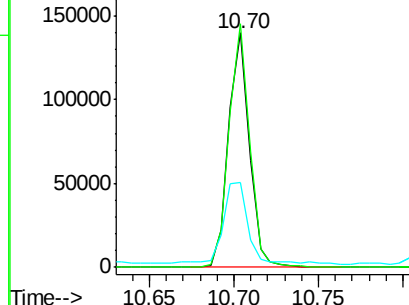
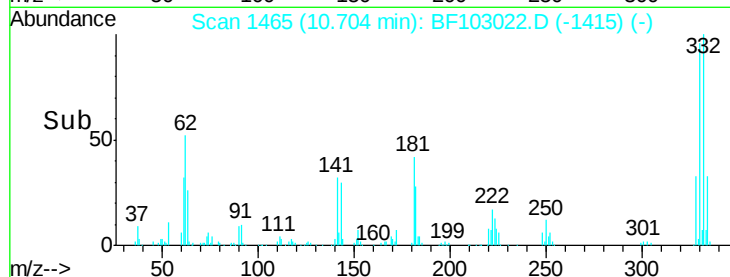
330 100

332 102.5 77.0 115.6

141 39.8 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: 36.064 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

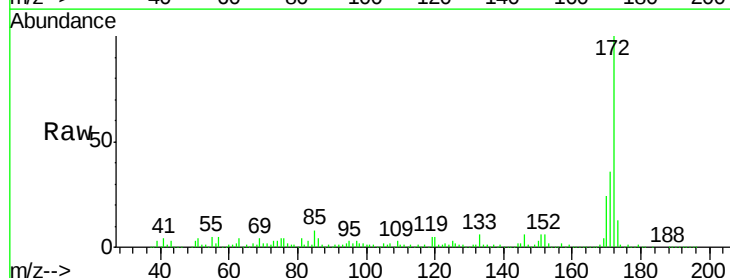
Tgt Ion:172 Resp: 708927

Ion Ratio Lower Upper

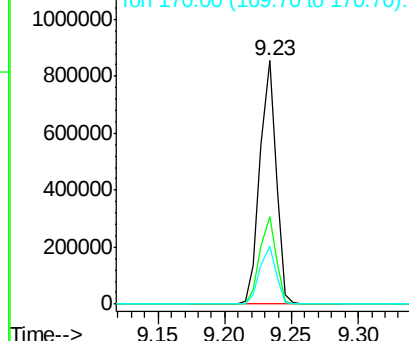
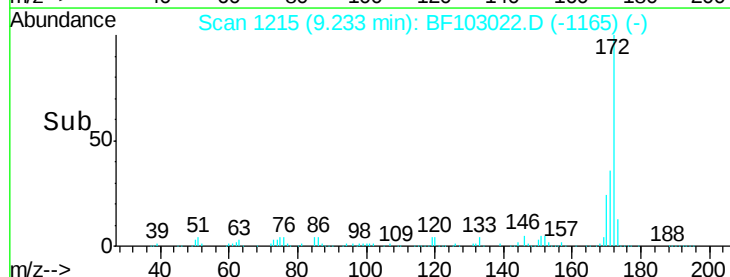
172 100

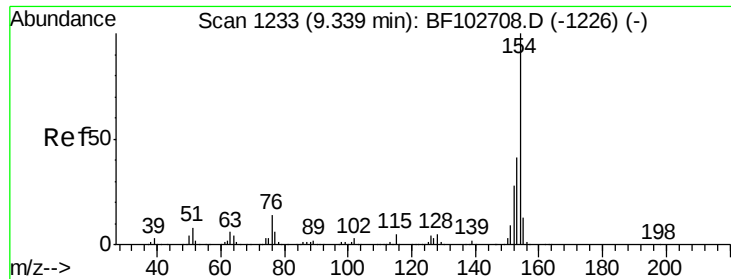
171 35.8 29.7 44.5

170 24.1 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

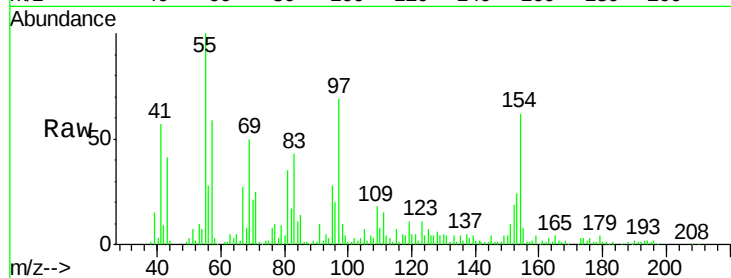




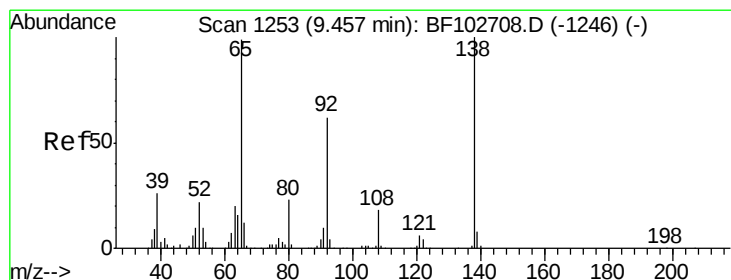
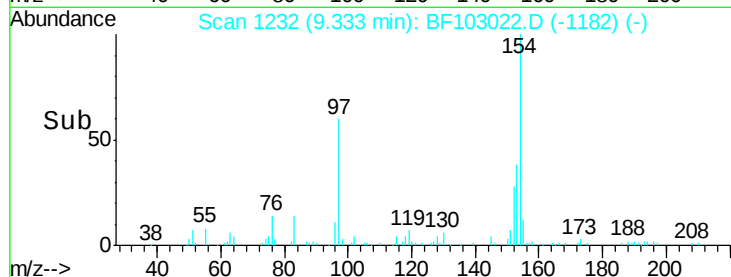
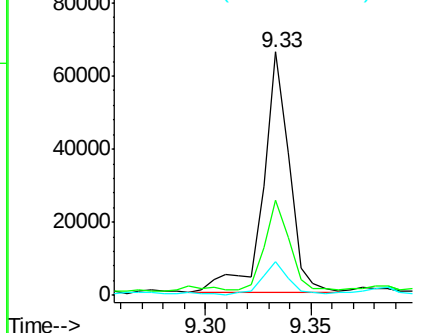
#45
 1,1'-Biphenyl
 Concen: 2.066 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF103022.D
 Acq: 15 Feb 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-021418-C

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.0	21.3	61.3
76	13.7	0.0	34.0

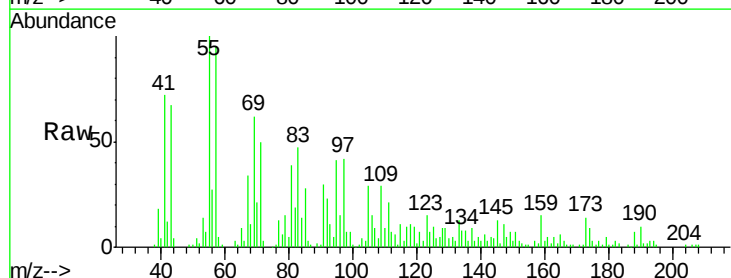


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

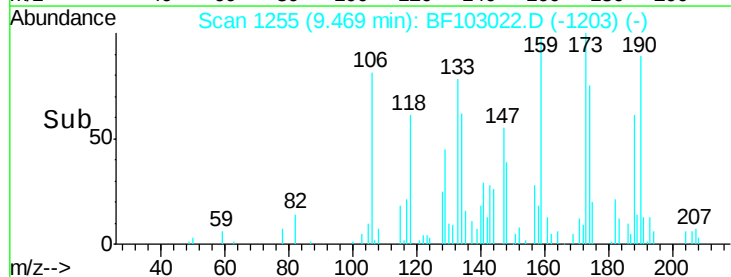
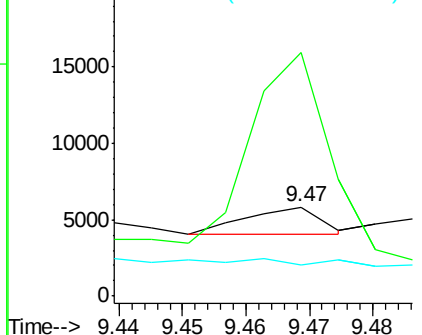


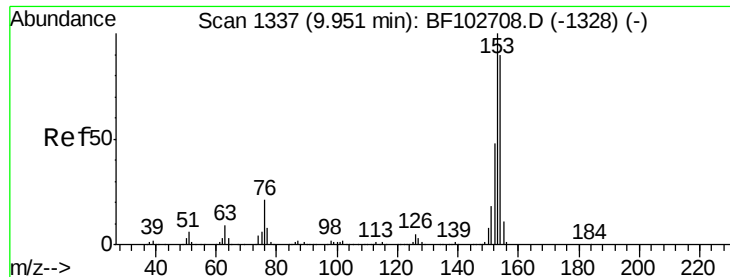
#47
 2-Nitroaniline
 Concen: 3.671 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: BF103022.D
 Acq: 15 Feb 2018 17:21

Tgt Ion	Ratio	Lower	Upper
65	100		
92	272.5	55.8	83.6#
138	35.6	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





#51

Acenaphthene

Concen: 9.990 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

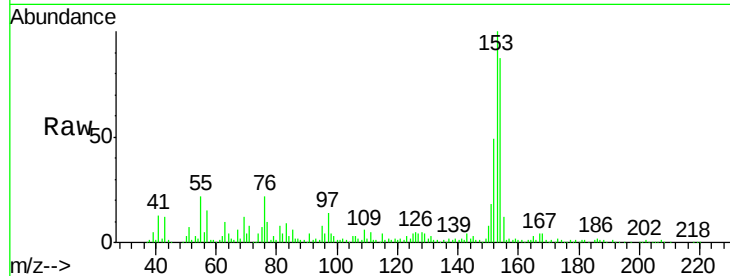
Tgt Ion:154 Resp: 200707

Ion Ratio Lower Upper

154 100

153 114.9 91.2 136.8

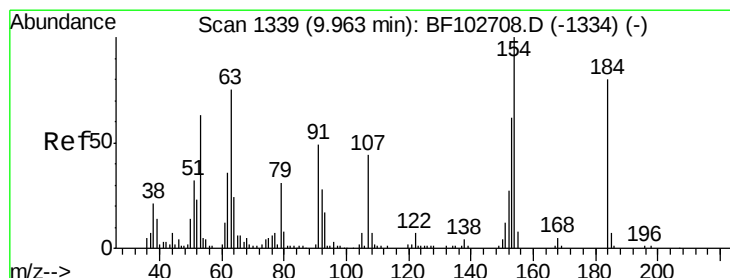
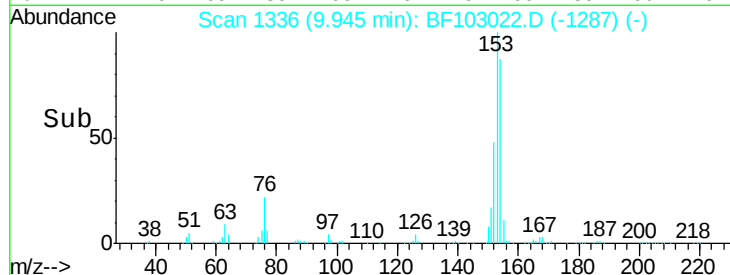
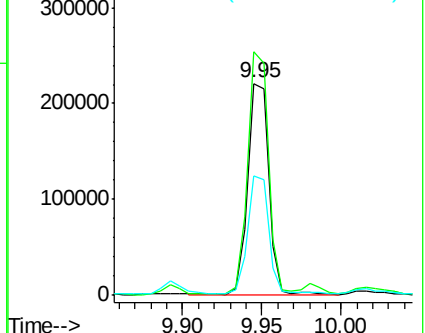
152 56.1 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 8.316 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.14 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

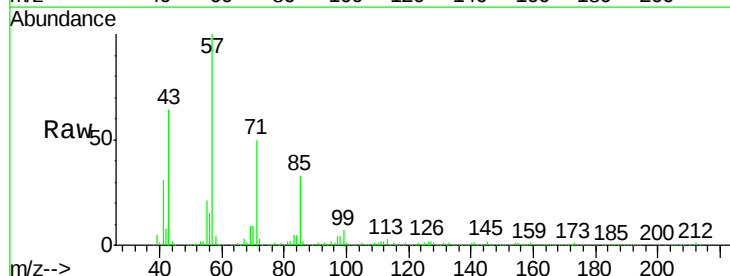
Tgt Ion:184 Resp: 335

Ion Ratio Lower Upper

184 100

63 361.4 54.2 81.2#

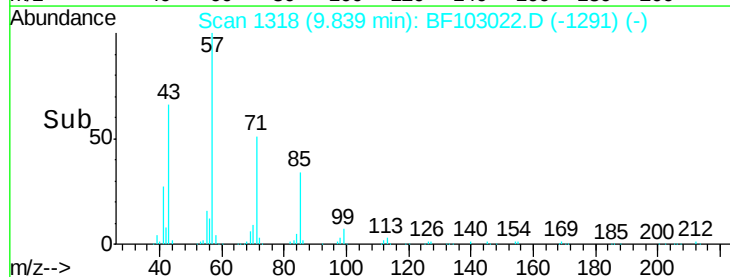
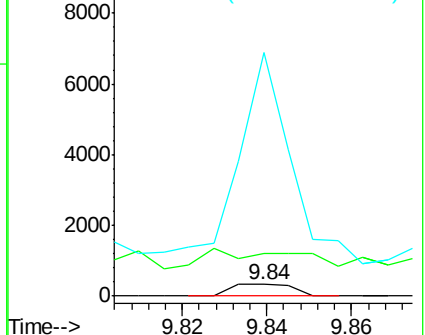
154 2092.7 184.0 276.0#

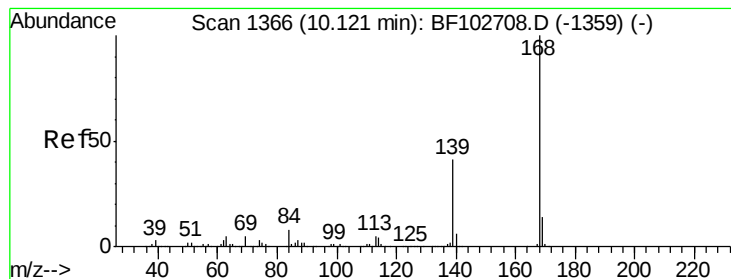


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 7.207 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

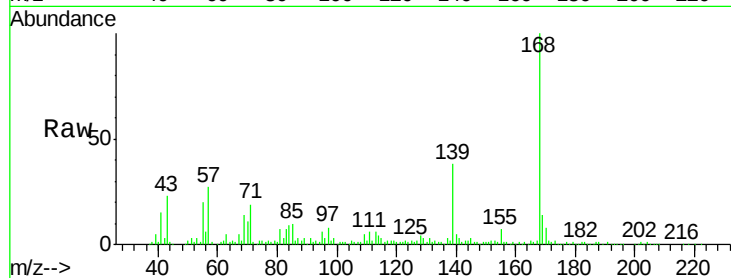
Tgt Ion:168 Resp: 204057

Ion Ratio Lower Upper

168 100

139 38.2 30.1 45.1

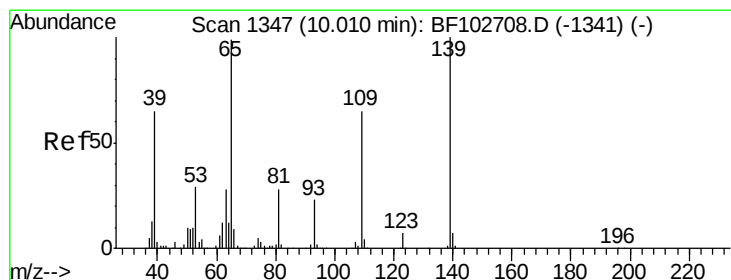
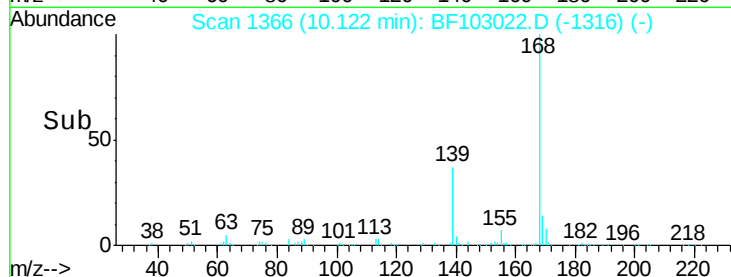
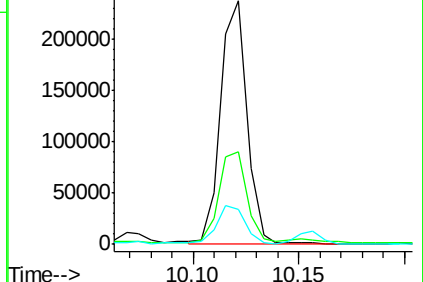
169 14.4 10.9 16.3



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: 4.765 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.02 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

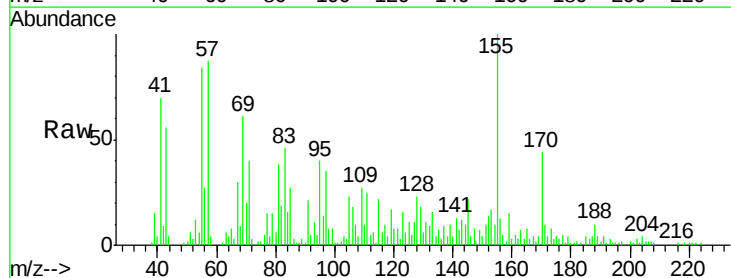
Tgt Ion:139 Resp: 3817

Ion Ratio Lower Upper

139 100

109 257.0 48.4 88.4#

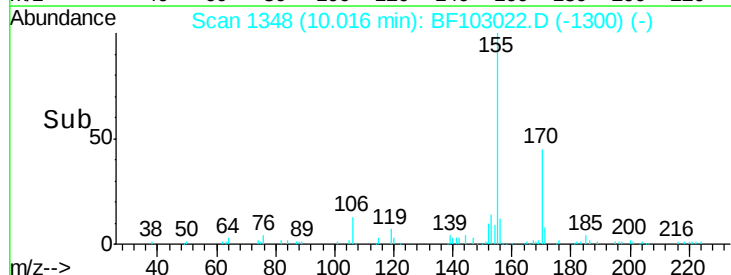
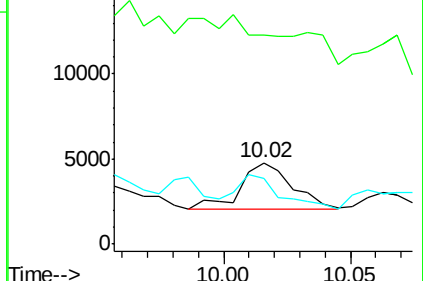
65 81.0 72.6 112.6

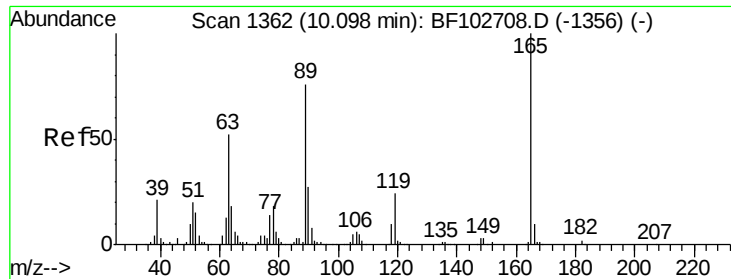


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

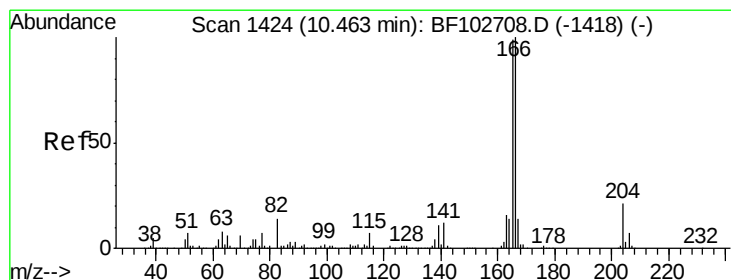
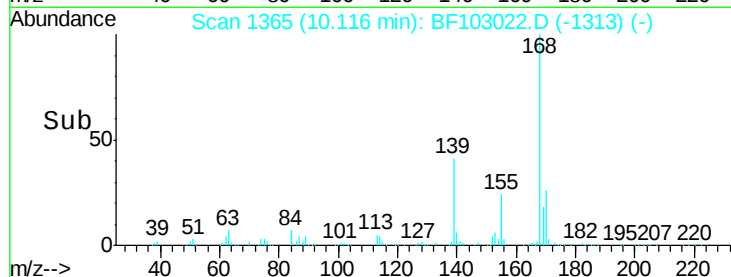
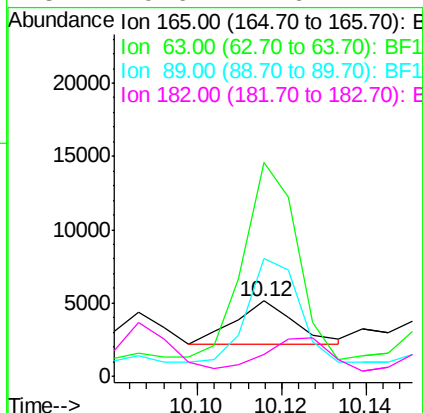
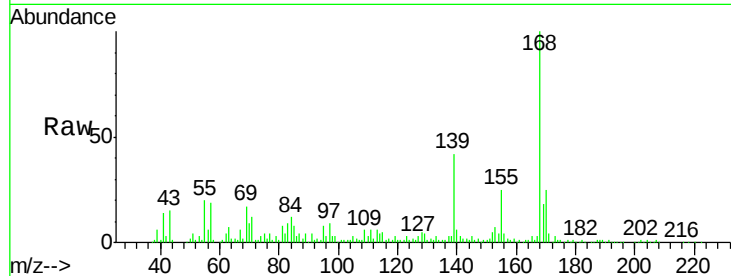




#56
2,4-Dinitrotoluene
Concen: 3.485 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

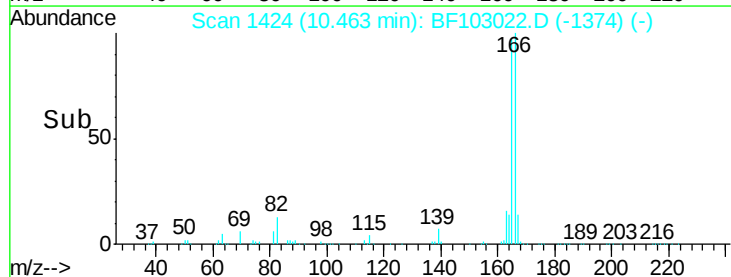
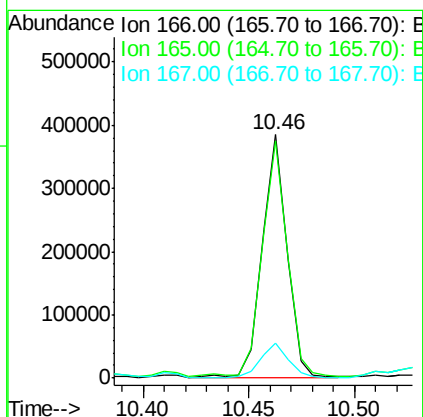
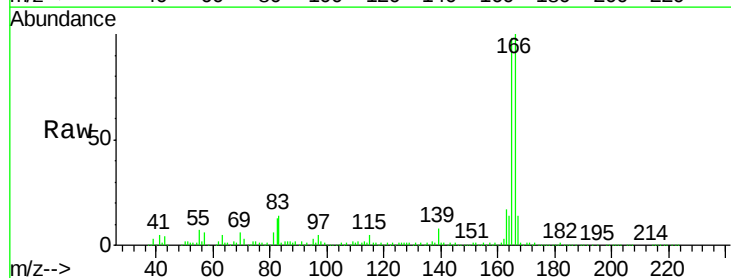
Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

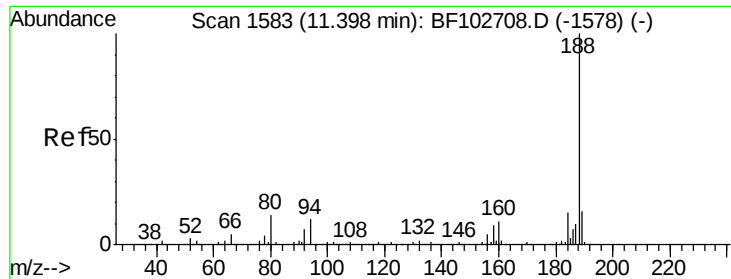
Tgt Ion:165 Resp: 2841
Ion Ratio Lower Upper
165 100
63 285.1 36.4 54.6#
89 157.2 57.8 86.6#
182 29.6 1.6 2.4#



#57
Fluorene
Concen: 15.136 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:166 Resp: 311803
Ion Ratio Lower Upper
166 100
165 97.5 79.8 119.8
167 14.2 10.6 16.0

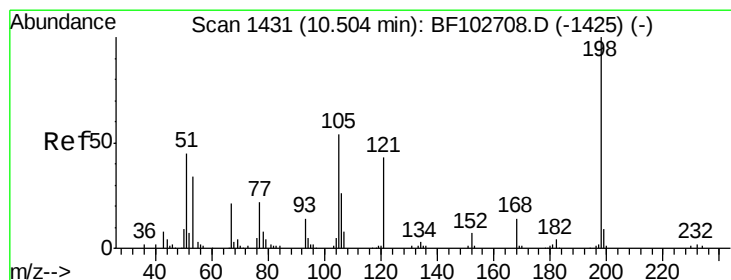
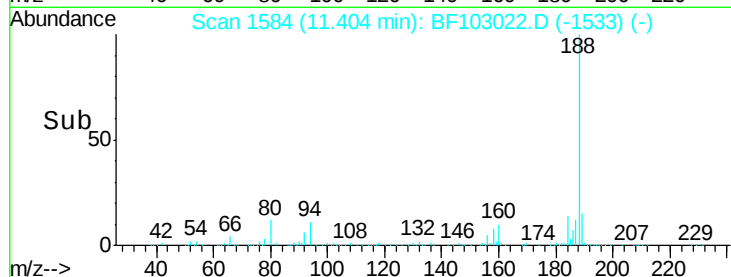
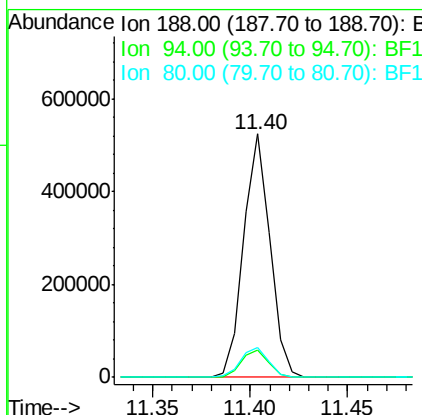
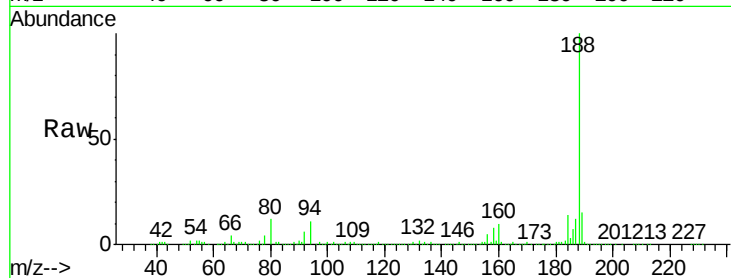




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

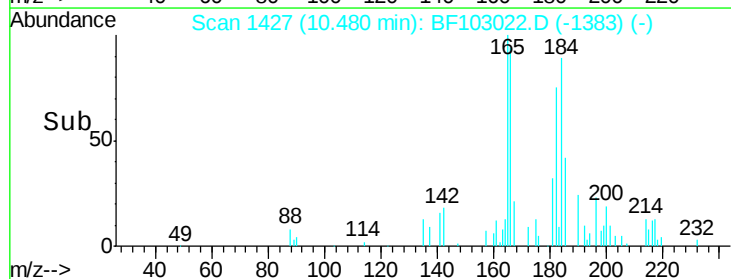
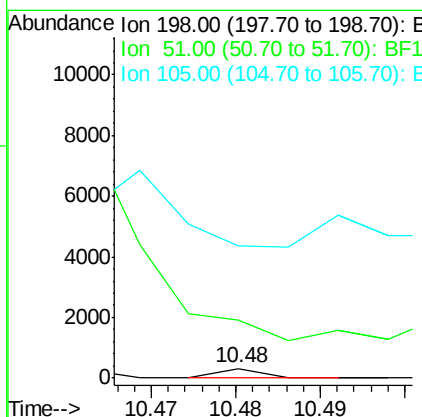
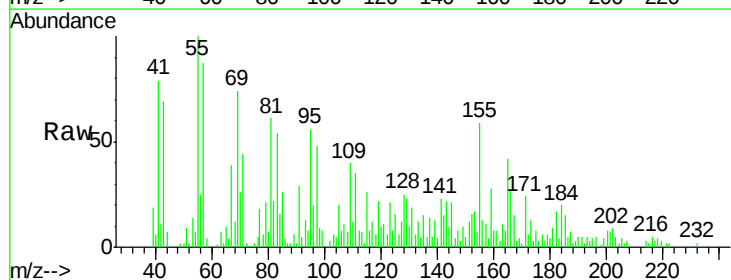
Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

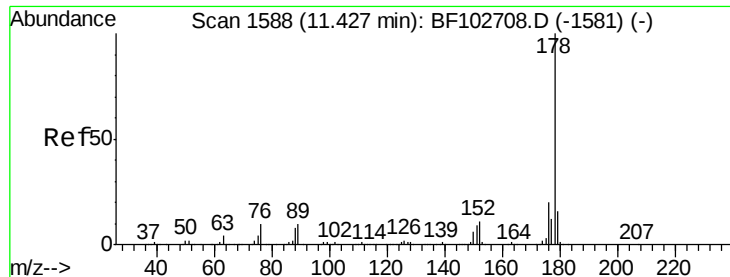
Tgt Ion:188 Resp: 491821
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.843 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.04 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:198 Resp: 113
Ion Ratio Lower Upper
198 100
51 594.7 37.7 77.7#
105 1365.2 36.3 76.3#





#70

Phenanthrene

Concen: 63.762 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

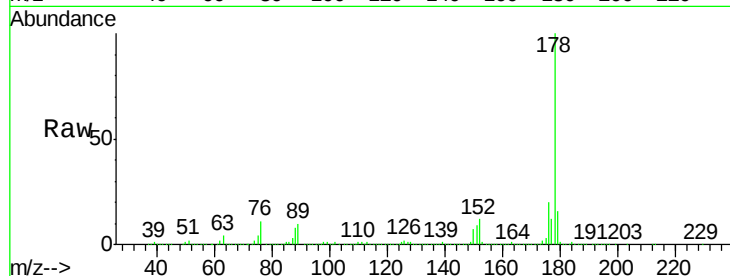
Tgt Ion:178 Resp: 1746524

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

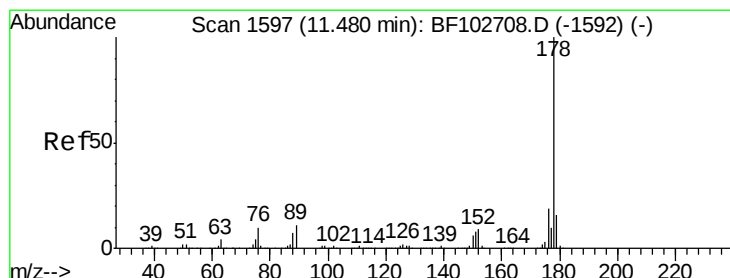
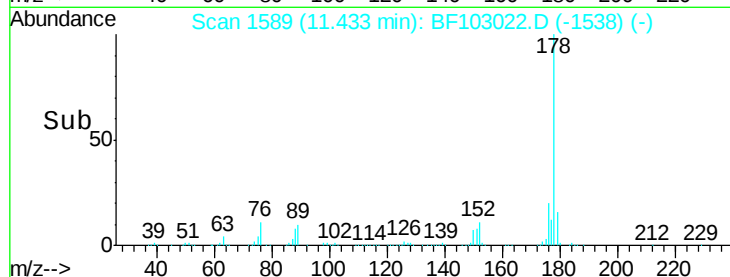
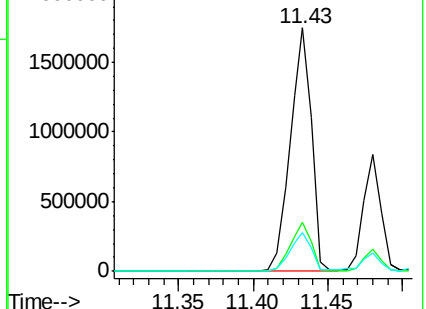
179 15.7 13.0 19.6



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: 23.942 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

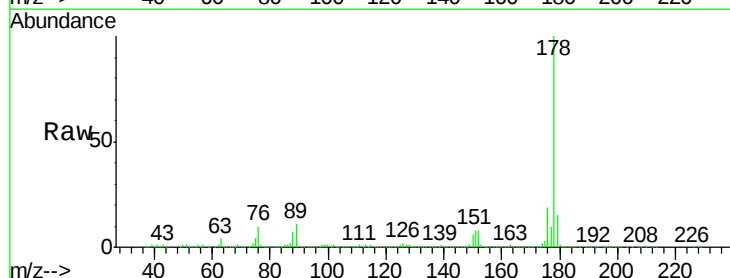
Tgt Ion:178 Resp: 667022

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

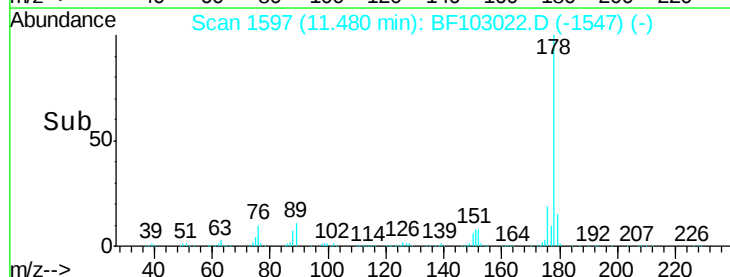
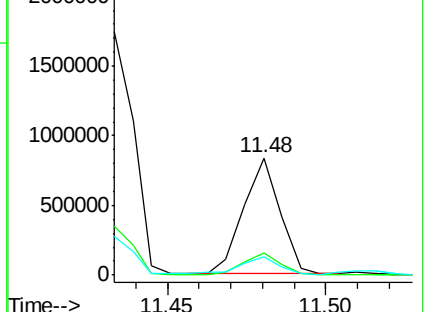
179 15.5 12.6 19.0

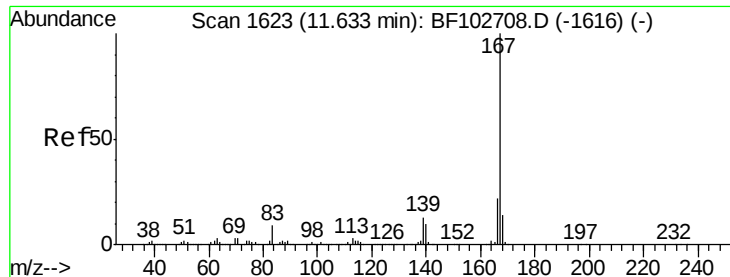


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.255 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

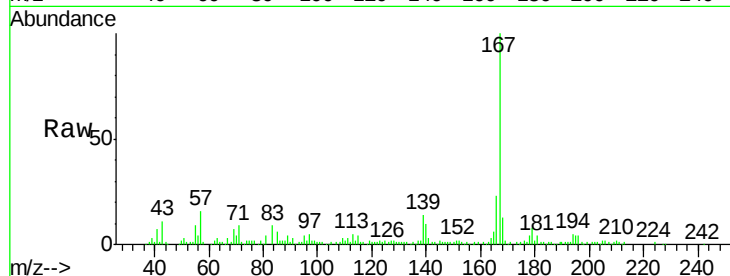
Tgt Ion:167 Resp: 88832

Ion Ratio Lower Upper

167 100

166 23.3 17.6 26.4

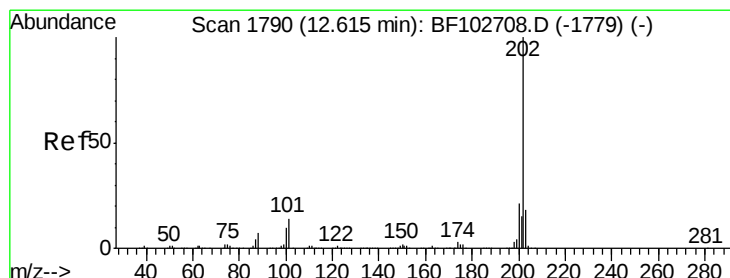
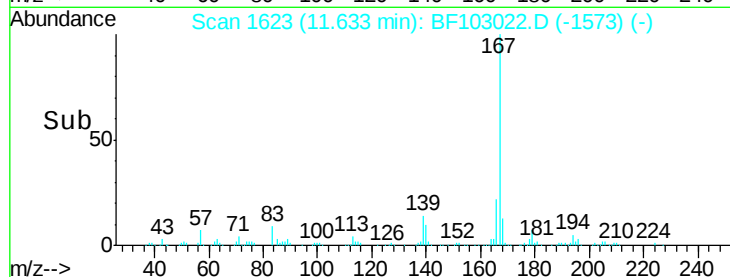
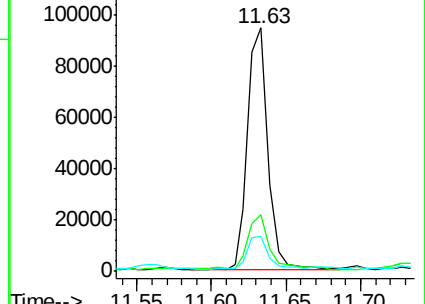
139 14.5 10.9 16.3



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: 70.696 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

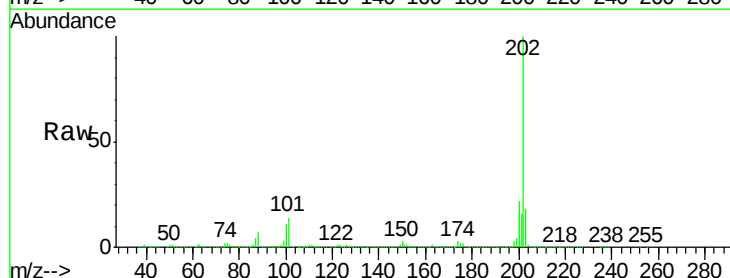
Tgt Ion:202 Resp: 1948293

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.1

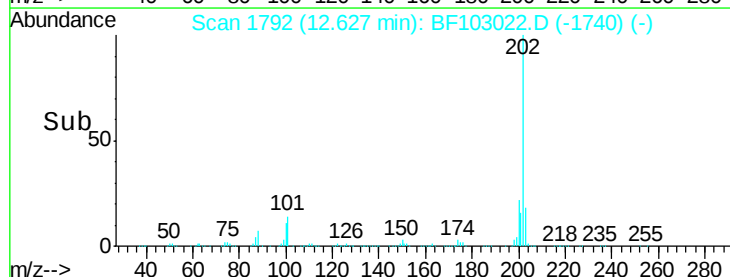
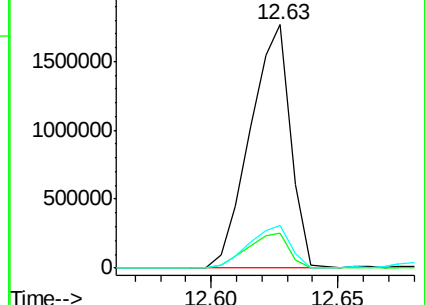
203 17.8 0.0 38.1

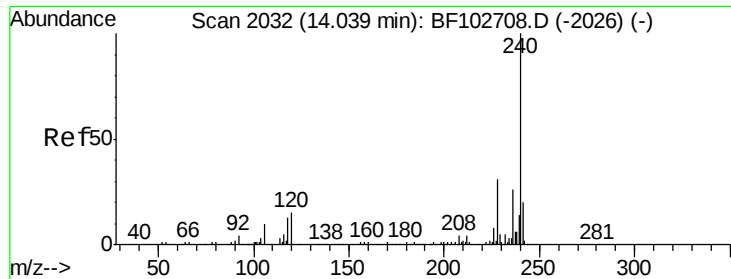


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

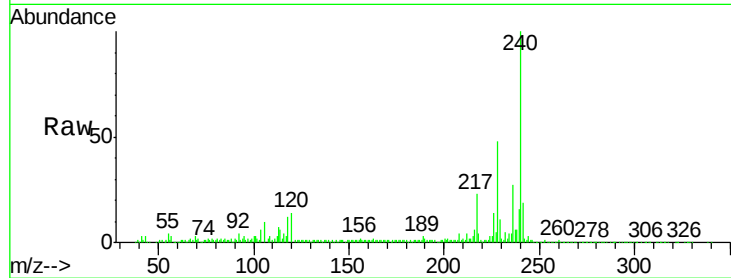
Tgt Ion:240 Resp: 310440

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

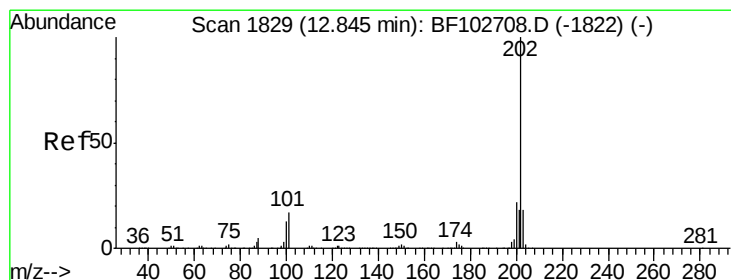
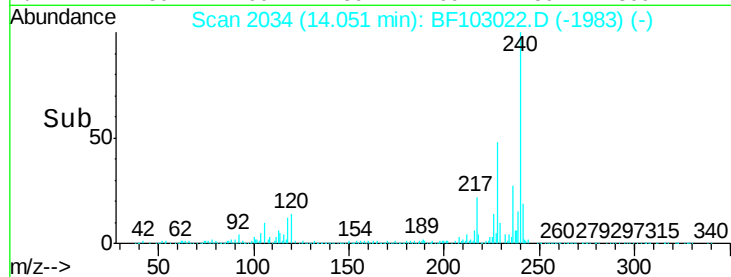
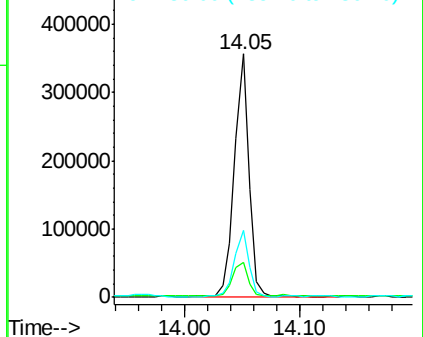
236 27.3 20.7 31.1



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: 72.084 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

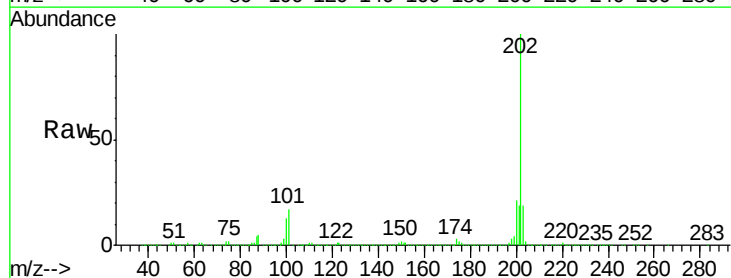
Tgt Ion:202 Resp: 1754757

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

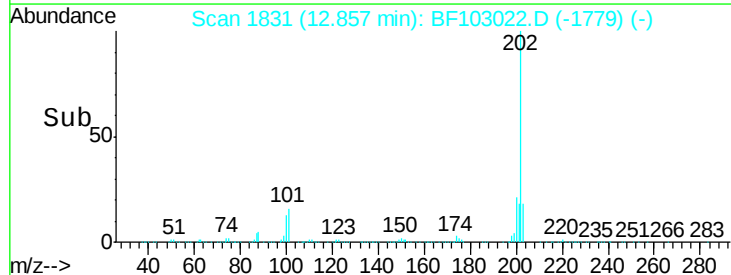
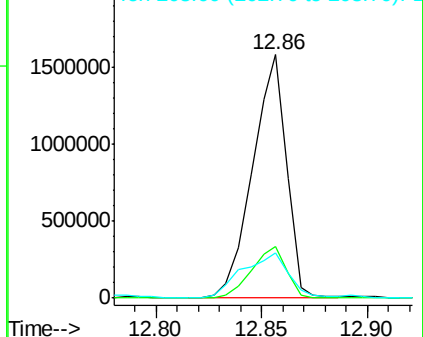
203 18.6 14.3 21.5

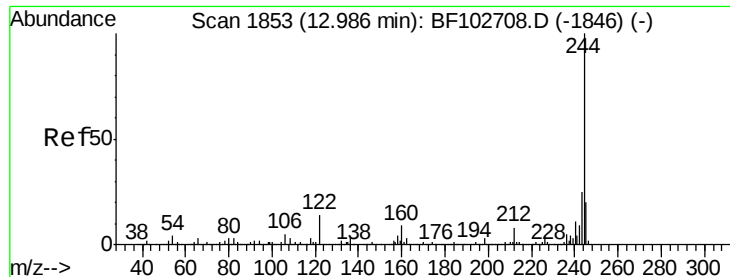


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 36.837 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

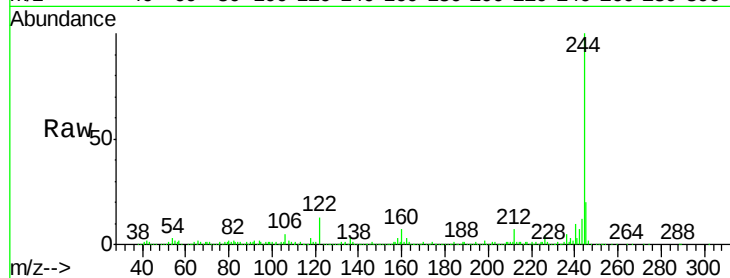
Tgt Ion:244 Resp: 482968

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

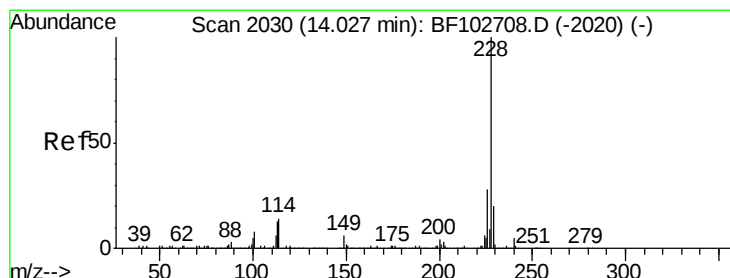
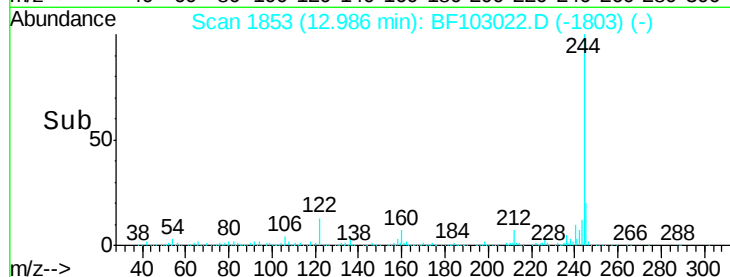
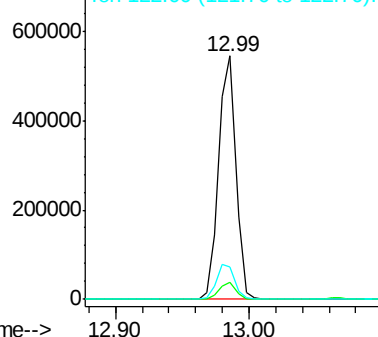
122 13.2 11.0 16.4



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: 50.791 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

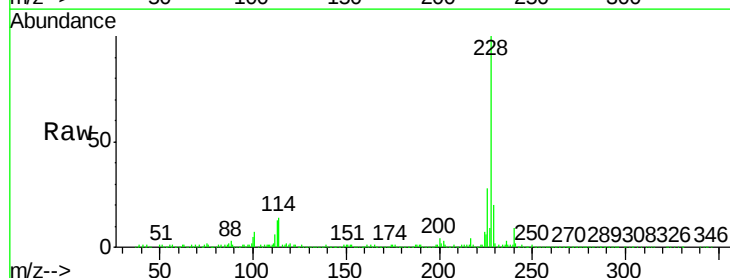
Tgt Ion:228 Resp: 991624

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

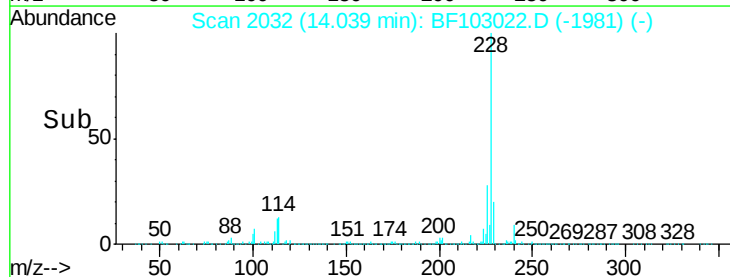
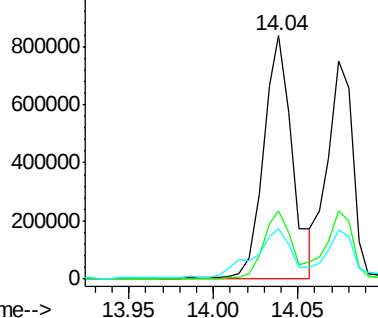
229 20.4 15.8 23.6

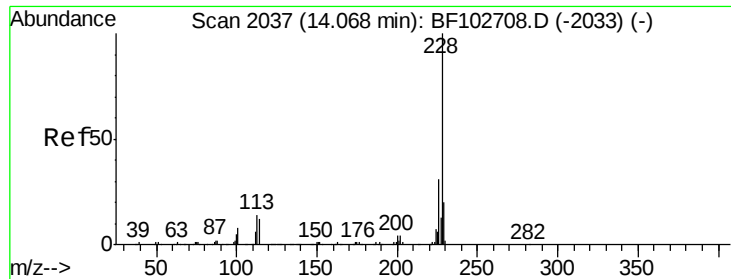


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 39.708 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

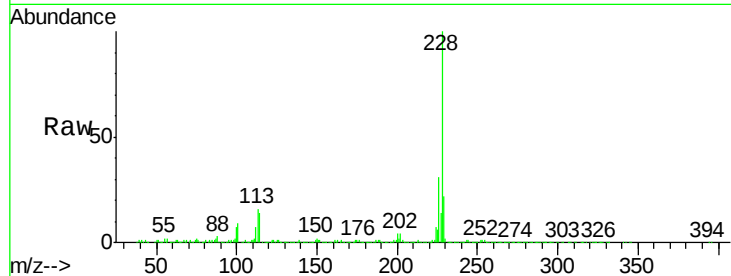
Tgt Ion:228 Resp: 781500

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

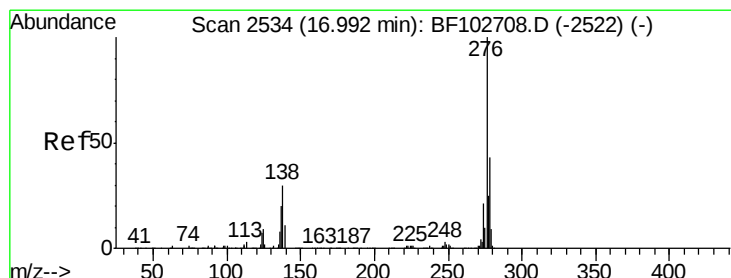
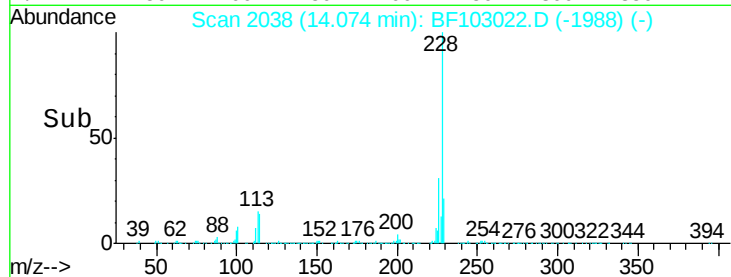
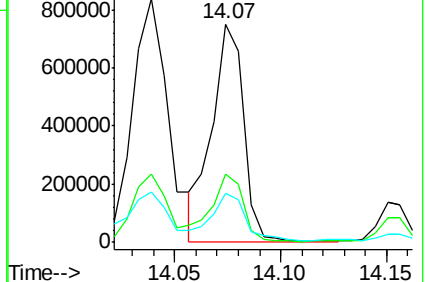
229 22.2 16.2 24.4



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: 21.389 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

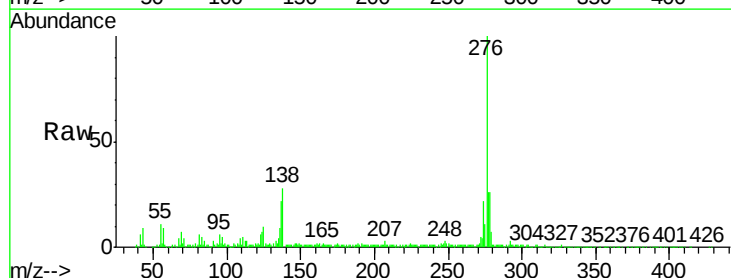
Tgt Ion:276 Resp: 349126

Ion Ratio Lower Upper

276 100

138 27.3 25.0 37.6

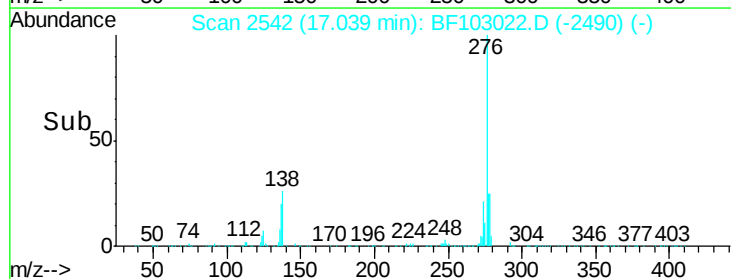
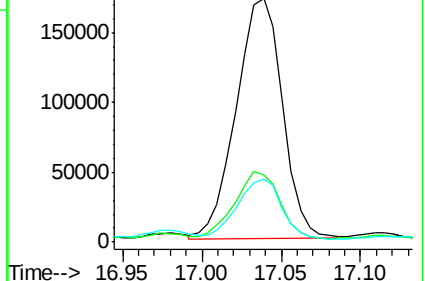
277 24.4 20.1 30.1

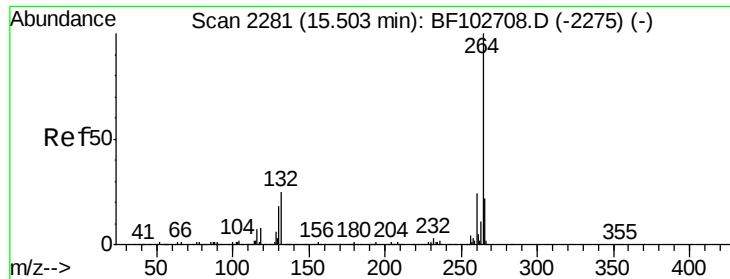


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

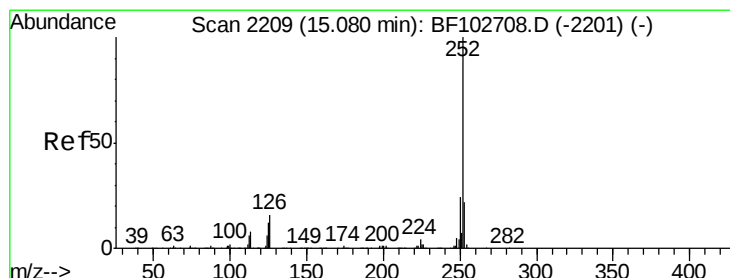
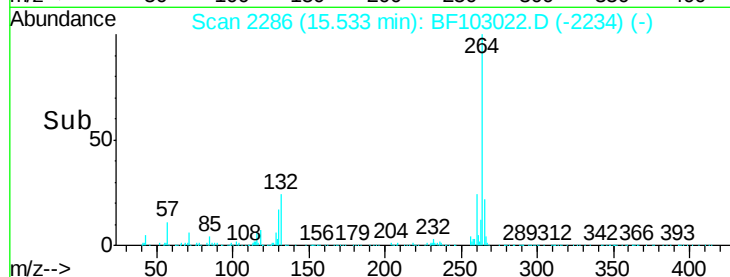
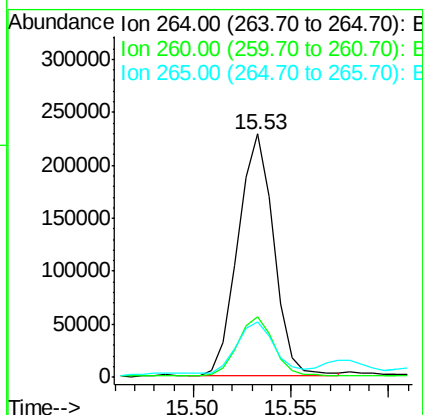
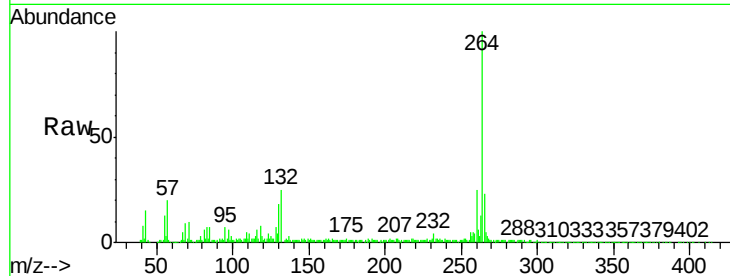




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

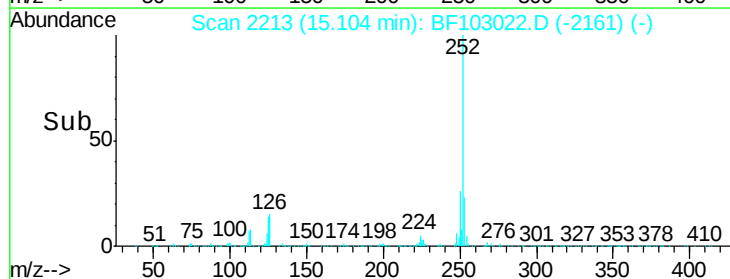
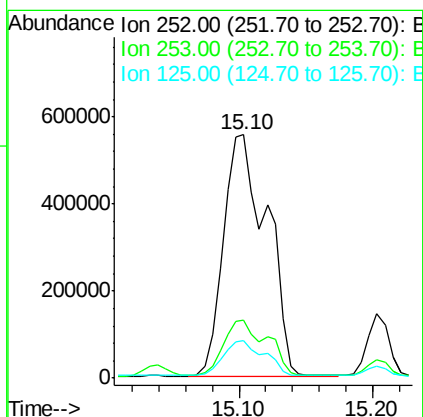
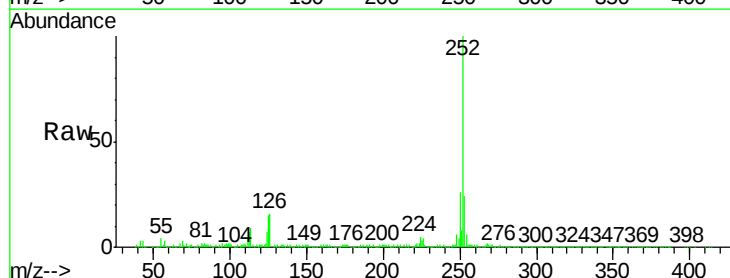
Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

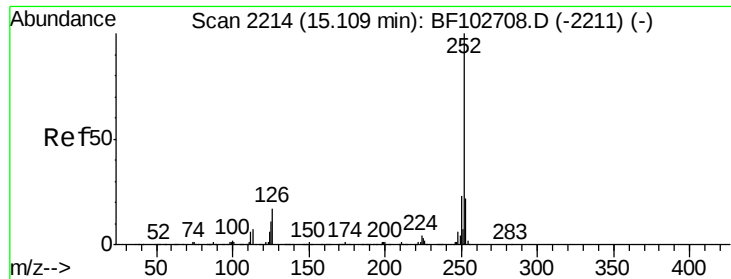
Tgt Ion:264 Resp: 292145
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 67.305 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:252 Resp: 1274805
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 15.2 9.0 13.6#

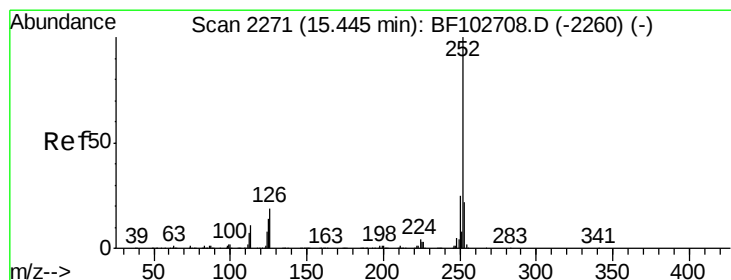
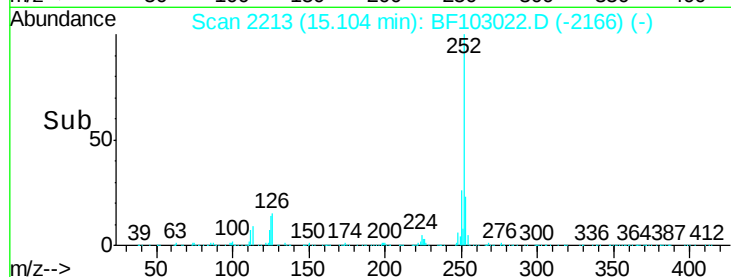
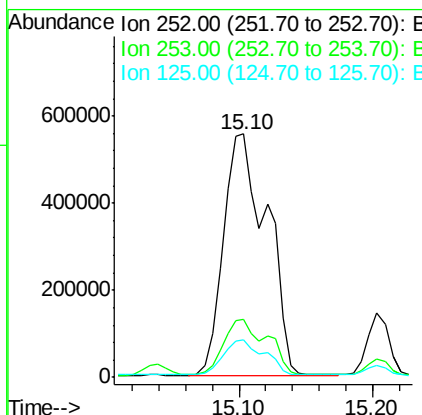
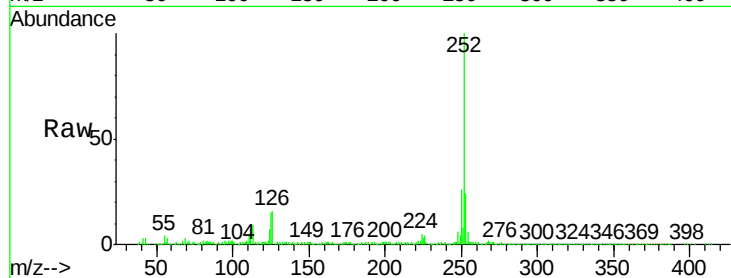




#88
Benzo(k)fluoranthene
Concen: 70.440 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

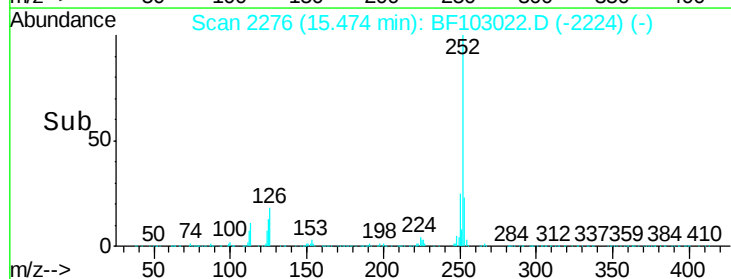
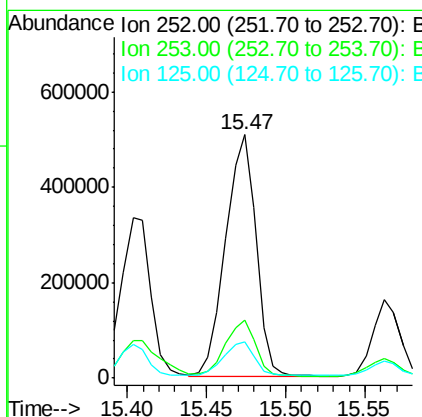
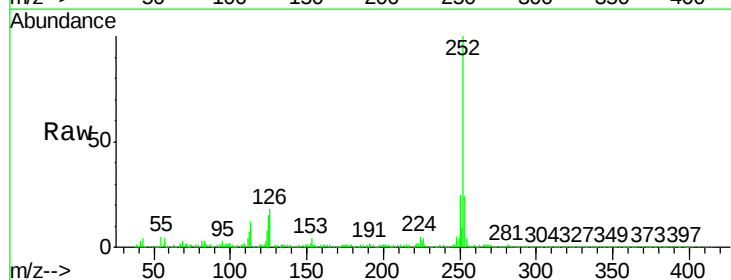
Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

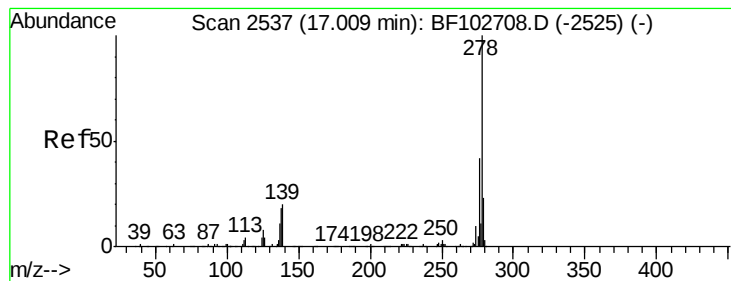
Tgt Ion:252 Resp: 1274805
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 15.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 39.788 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:252 Resp: 678350
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 14.7 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 6.521 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

Instrument :

BNA_F

ClientSampleId :

HR-06-021418-C

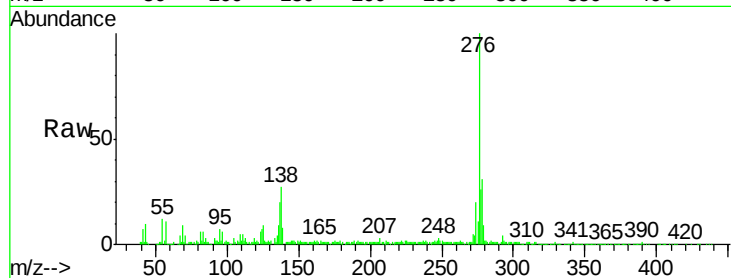
Tgt Ion:278 Resp: 90245

Ion Ratio Lower Upper

278 100

139 25.3 15.9 23.9#

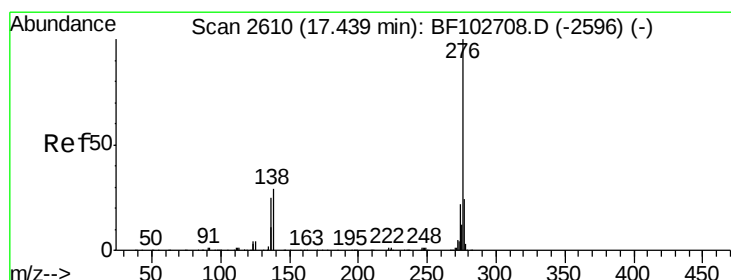
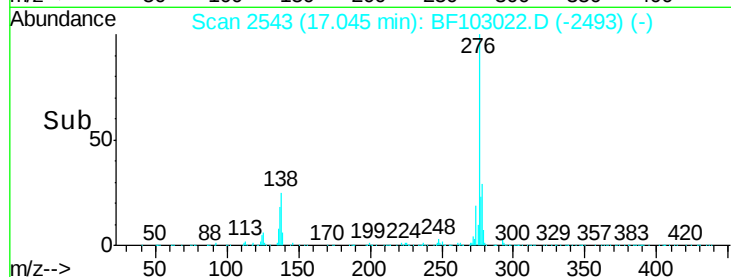
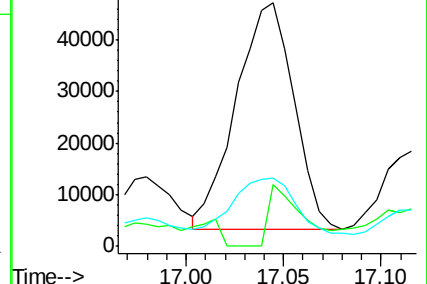
279 28.1 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 23.846 ng

RT: 17.50 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BF103022.D

Acq: 15 Feb 2018 17:21

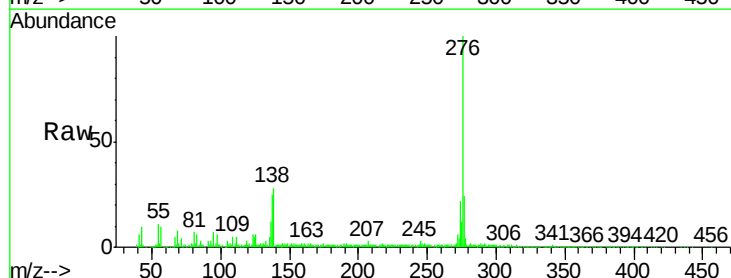
Tgt Ion:276 Resp: 322981

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 28.5 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

