

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102736.D
 Acq On : 5 Feb 2018 14:28
 Operator : SJ/JU
 Sample : J1399-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 15:58:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	220240	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	878574	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	379245	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	553744	20.00	ng	0.00
75) Chrysene-d12	14.04	240	363814	20.00	ng	0.00
86) Perylene-d12	15.53	264	350839	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	774760	53.42	ng	0.00
7) Phenol-d6	6.50	99	904895	51.82	ng	0.00
23) Nitrobenzene-d5	7.44	82	548053	43.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	165336	54.16	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	909660	39.80	ng	0.00
78) Terphenyl-d14	12.99	244	601469	39.14	ng	0.00

Target Compounds

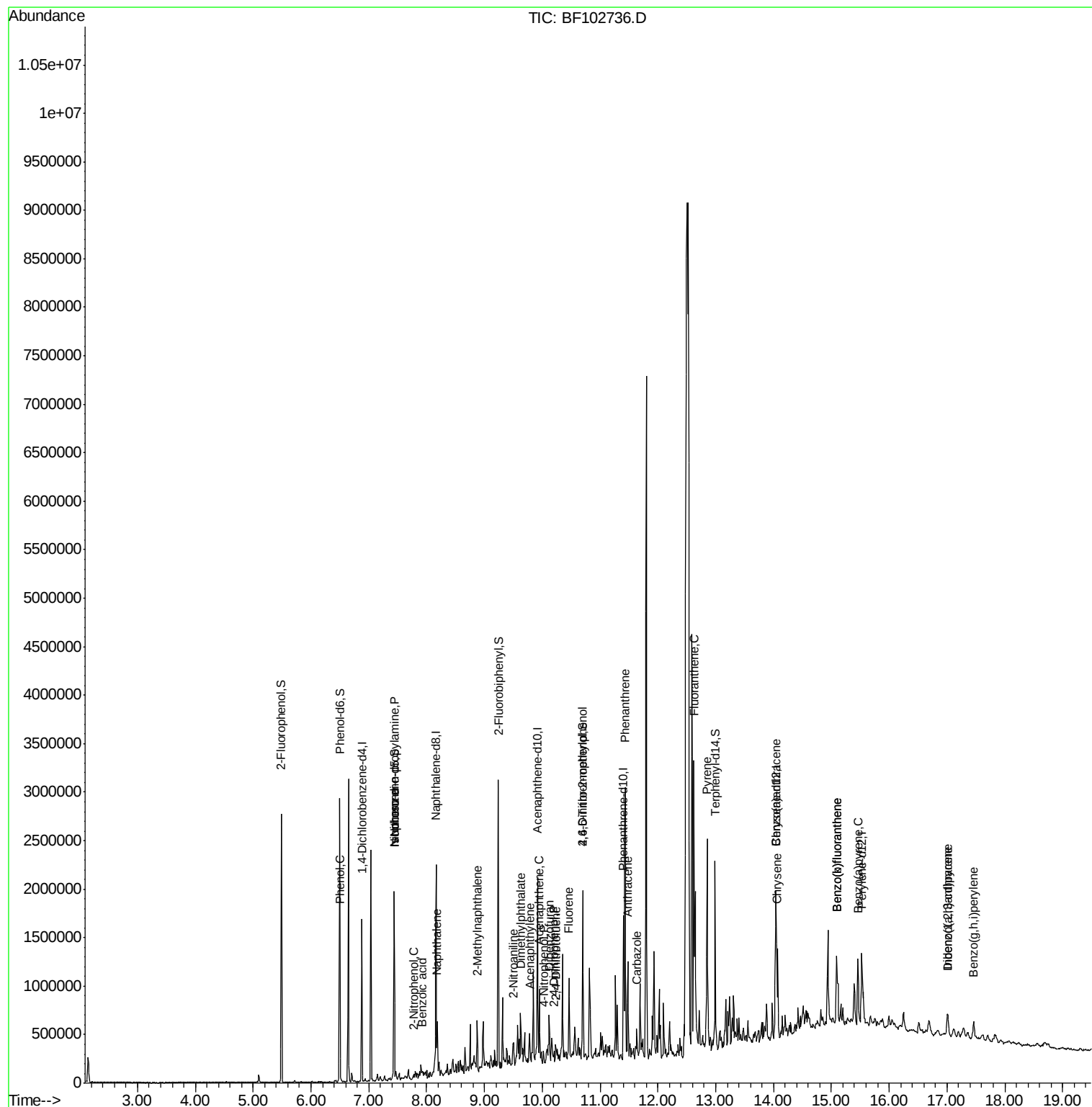
						Qvalue
10) Phenol	6.51	94	41339	2.209	ng	97
19) n-Nitroso-di-n-propylamine	7.44	70	69471	6.034	ng	# 84
24) Nitrobenzene	7.49	77	650	Below Cal		# 1
25) Isophorone	7.44	82	545229	18.696	ng	# 64
26) 2-Nitrophenol	7.77	139	289	8.705	ng	# 1
31) Naphthalene	8.19	128	222422	5.182	ng	97
32) Benzoic acid	7.93	122	1053	8.660	ng	# 1
37) 2-Methylnaphthalene	8.87	142	122935	4.374	ng	99
47) 2-Nitroaniline	9.49	65	1856	3.694	ng	# 39
48) Acenaphthylene	9.78	152	95861	2.454	ng	99
49) Dimethylphthalate	9.63	163	102515	3.467	ng	# 98
51) Acenaphthene	9.95	154	127897	5.475	ng	99
53) 2,4-Dinitrophenol	10.21	184	262	8.185	ng	# 29
54) Dibenzofuran	10.12	168	136906	4.159	ng	95
55) 4-Nitrophenol	10.02	139	2050	4.366	ng	# 47
56) 2,4-Dinitrotoluene	10.23	165	3218	3.475	ng	# 66
57) Fluorene	10.46	166	213333	8.907	ng	98
64) 4,6-Dinitro-2-methylphenol	10.70	198	340	8.929	ng	# 1
70) Phenanthrene	11.43	178	1015647	32.933	ng	99
71) Anthracene	11.48	178	331100	10.556	ng	99
72) Carbazole	11.63	167	108400	3.528	ng	99
74) Fluoranthene	12.62	202	923034	29.748	ng	99
77) Pyrene	12.86	202	877710	30.766	ng	99
80) Benzo(a)anthracene	14.03	228	403555	17.638	ng	94
82) Chrysene	14.07	228	378232	16.399	ng	97
85) Indeno(1,2,3-cd)pyrene	17.01	276	156447	8.178	ng	94
87) Benzo(b)fluoranthene	15.09	252	571876	25.142	ng	# 96
88) Benzo(k)fluoranthene	15.09	252	571876	26.313	ng	98
89) Benzo(a)pyrene	15.46	252	331887	16.210	ng	95
90) Dibenzo(a,h)anthracene	17.02	278	39820	2.396	ng	# 77
91) Benzo(g,h,i)perylene	17.46	276	154981	9.528	ng	97

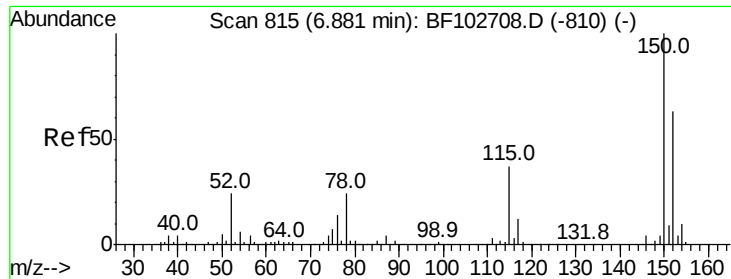
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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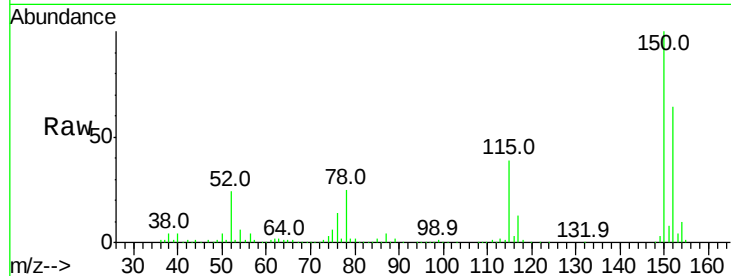


#1

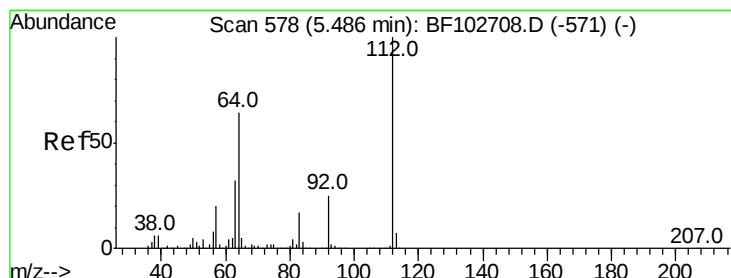
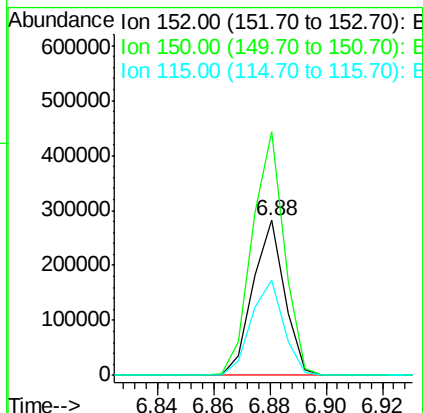
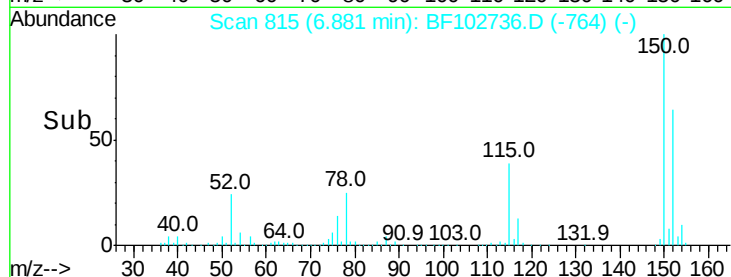
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	61.2	50.1	75.1



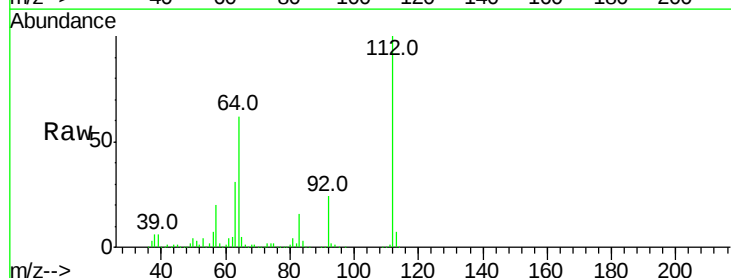
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



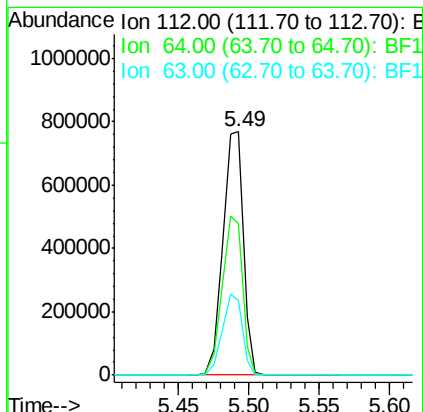
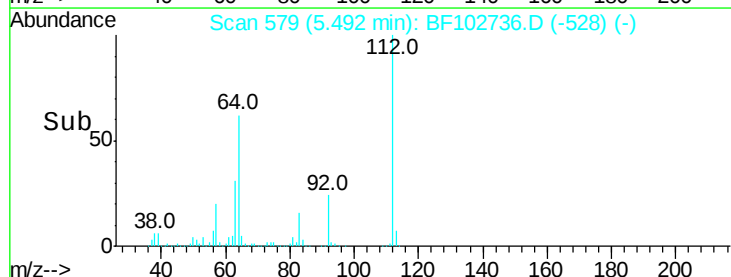
#5

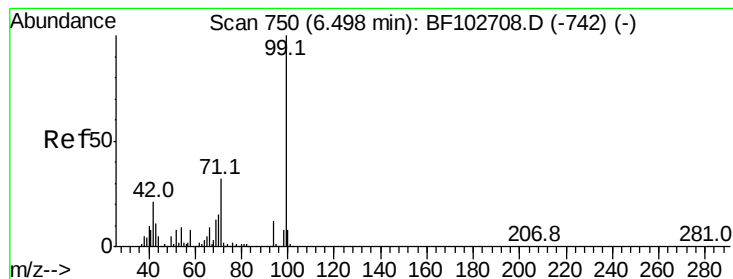
2-Fluorophenol
Concen: 53.424 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	30.8	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: 51.822 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

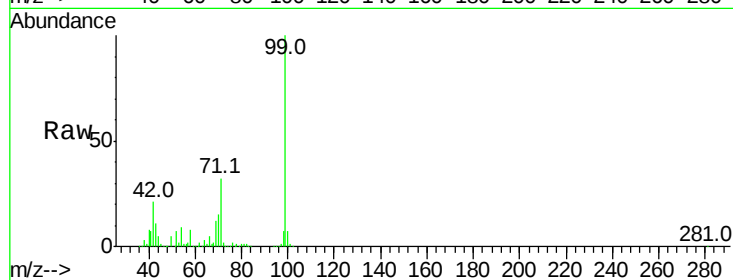
Tot Ion: 99 Resp: 904895

Ion Ratio Lower Upper

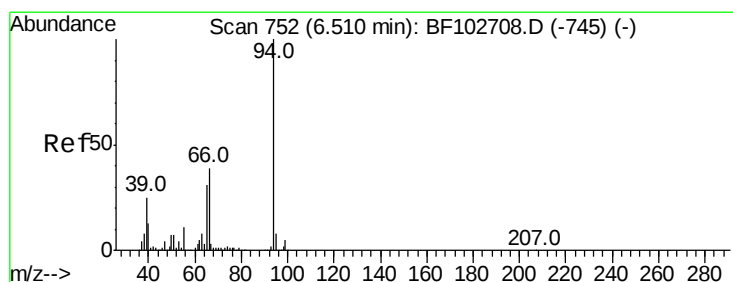
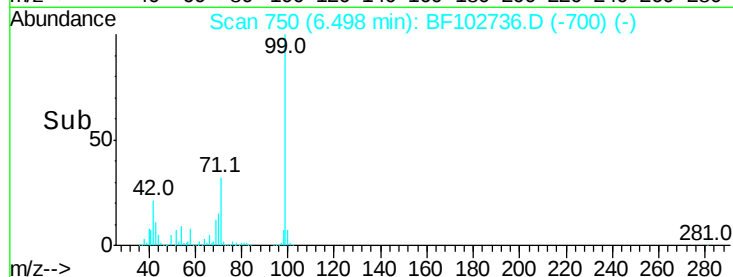
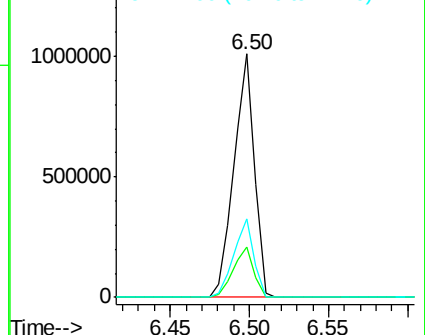
99 100

42 20.7 14.5 21.7

71 32.1 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



#10

Phenol

Concen: 2.209 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

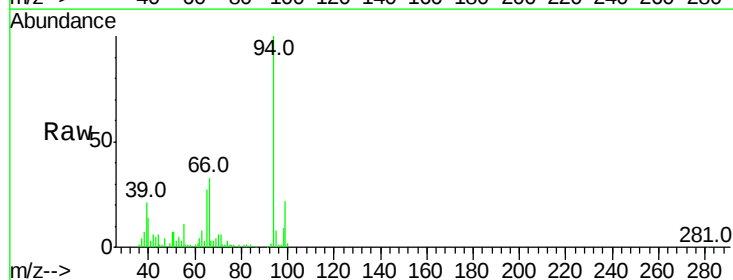
Tgt Ion: 94 Resp: 41339

Ion Ratio Lower Upper

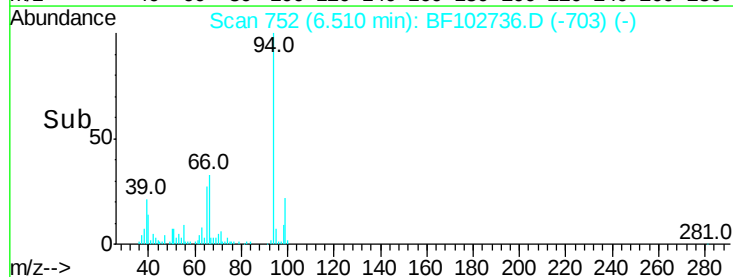
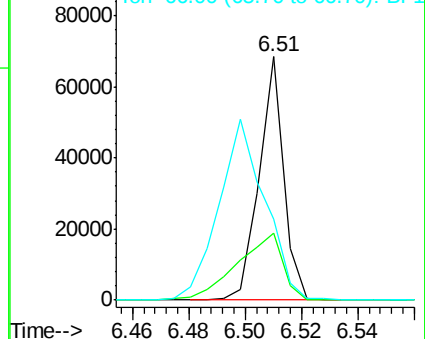
94 100

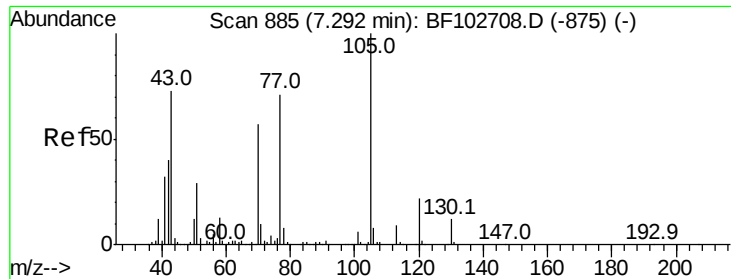
65 27.3 7.9 47.9

66 33.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 6.034 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 69471

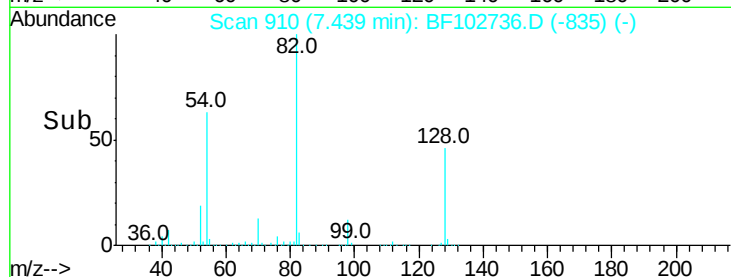
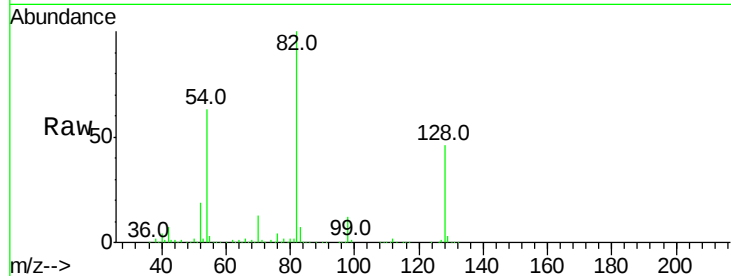
Ion Ratio Lower Upper

70 100

42 55.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

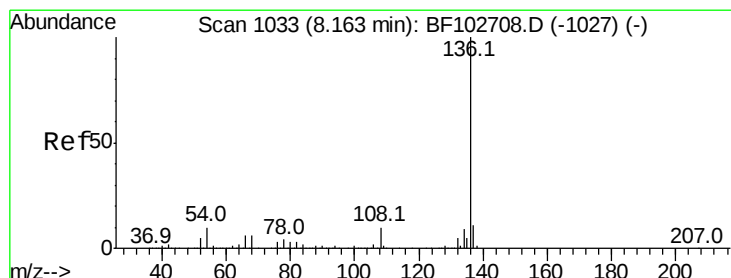
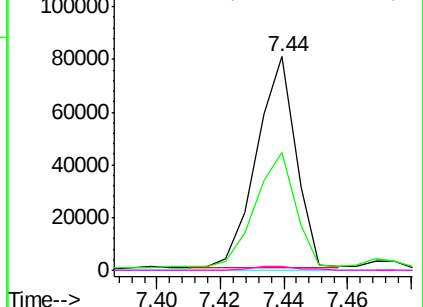


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Tgt Ion:136 Resp: 878574

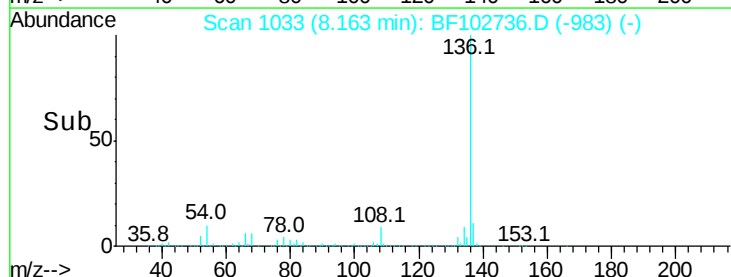
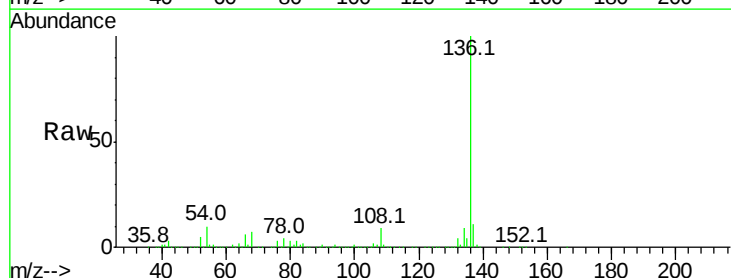
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.9 6.6 9.8#

68 6.5 5.0 7.4

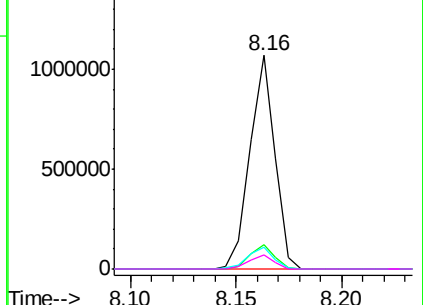


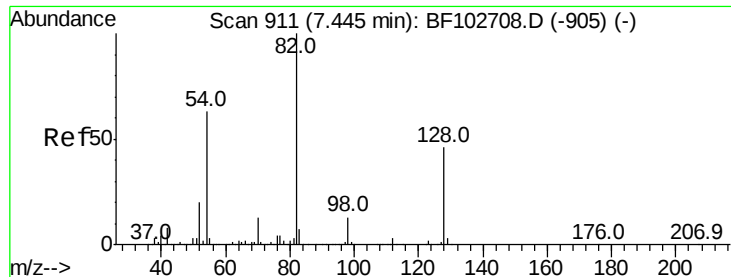
Abundance Ion 136.00 (135.70 to 136.70): BF1

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: 43.273 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

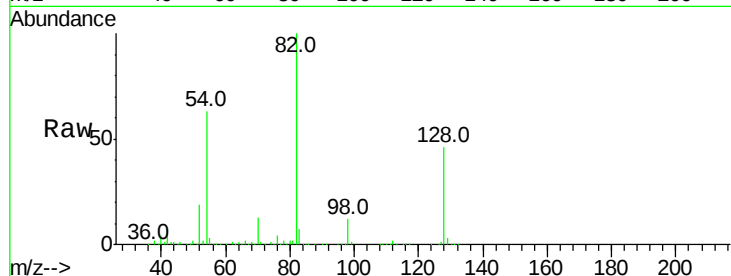
Tot Ion: 82 Resp: 548053

Ion Ratio Lower Upper

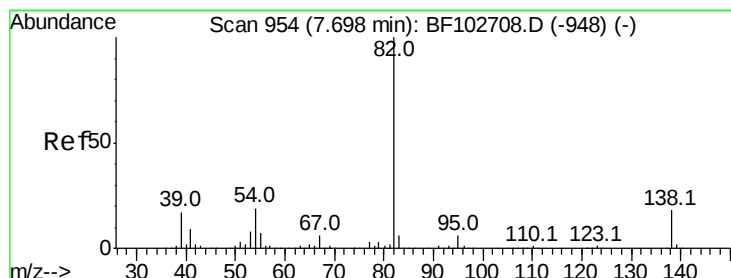
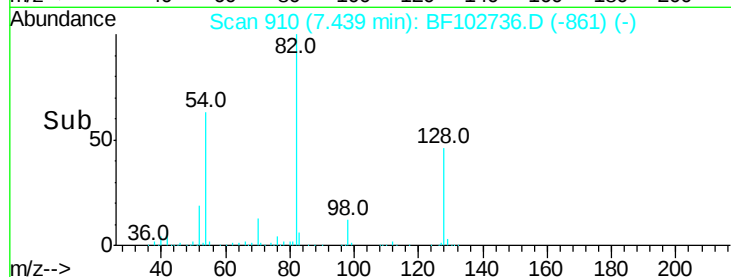
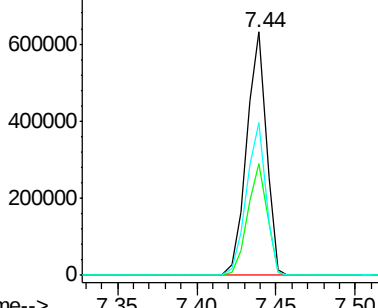
82 100

128 46.2 36.1 54.1

54 62.7 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: 18.696 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

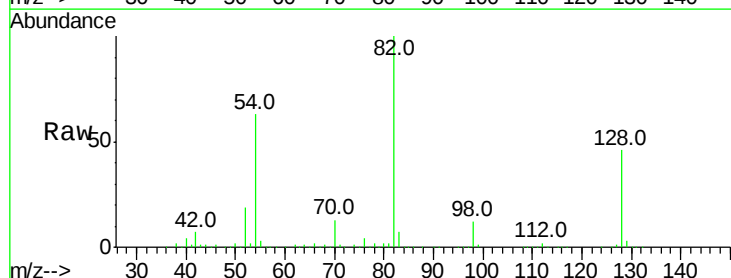
Tgt Ion: 82 Resp: 545229

Ion Ratio Lower Upper

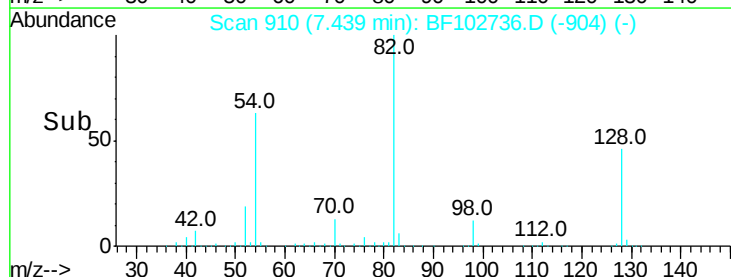
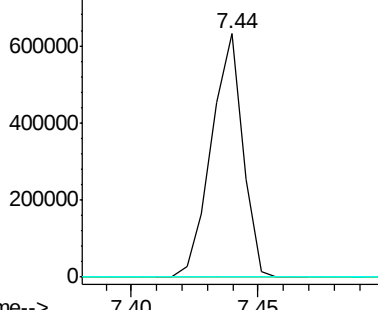
82 100

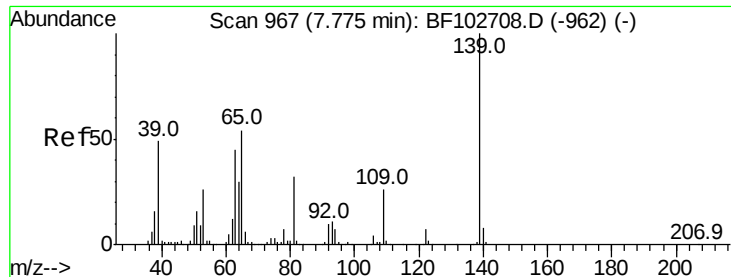
95 0.1 5.2 7.8#

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





#26

2-Nitrophenol

Concen: 8.705 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampled :

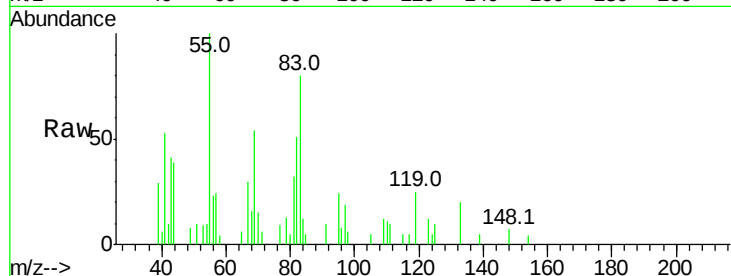
Tot Ion:139 Resp: 289

Ion Ratio Lower Upper

139 100

109 223.8 22.7 34.1#

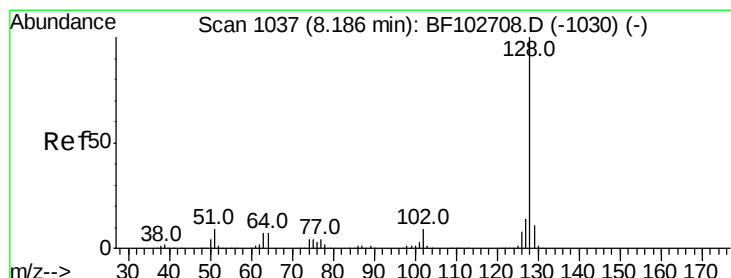
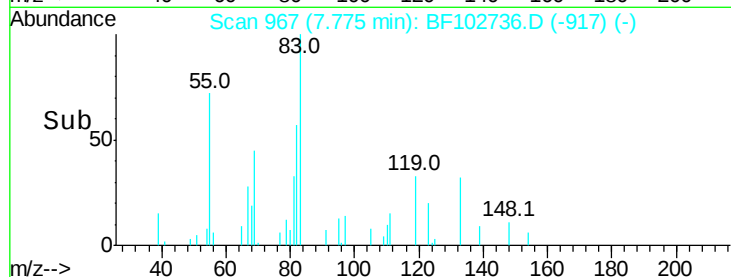
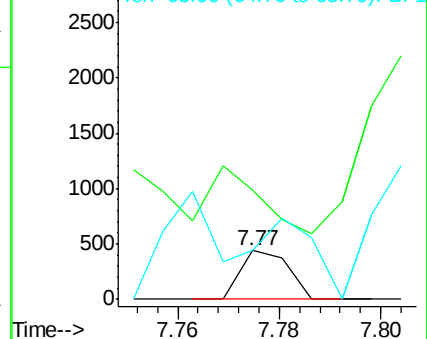
65 101.4 40.5 60.7#



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



#31

Naphthalene

Concen: 5.182 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

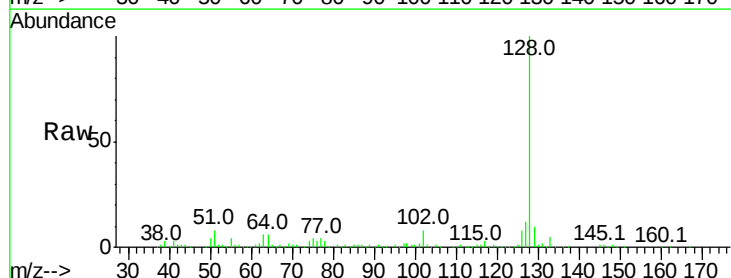
Tgt Ion:128 Resp: 222422

Ion Ratio Lower Upper

128 100

129 10.0 8.8 13.2

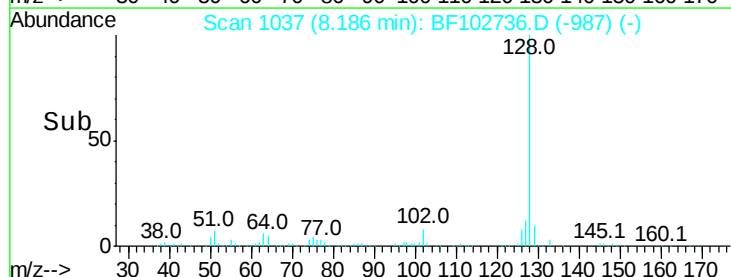
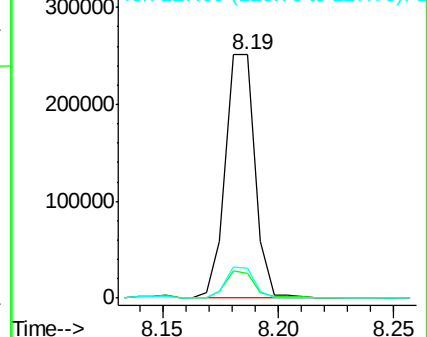
127 12.4 10.9 16.3

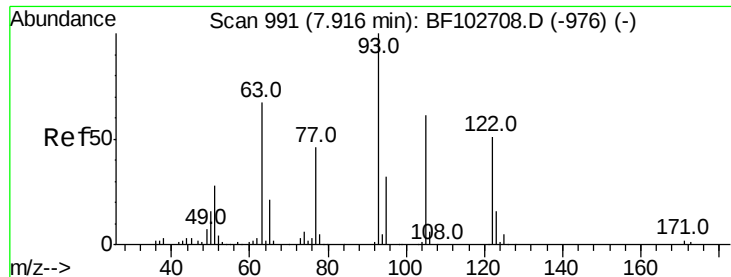


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

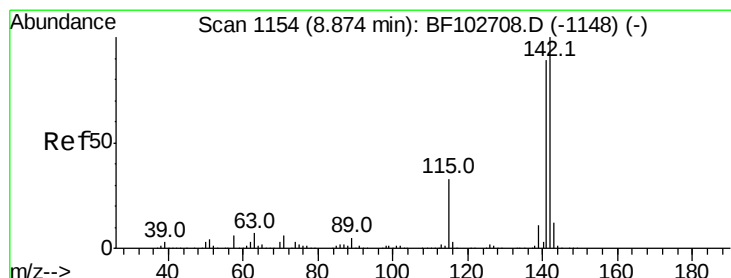
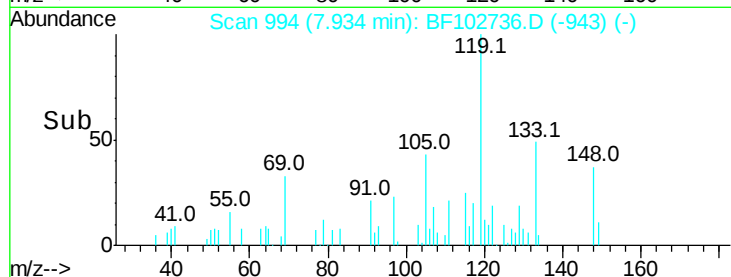
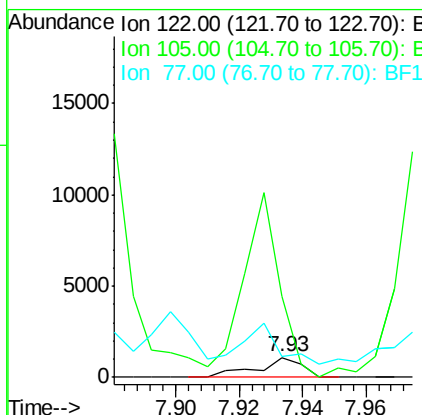
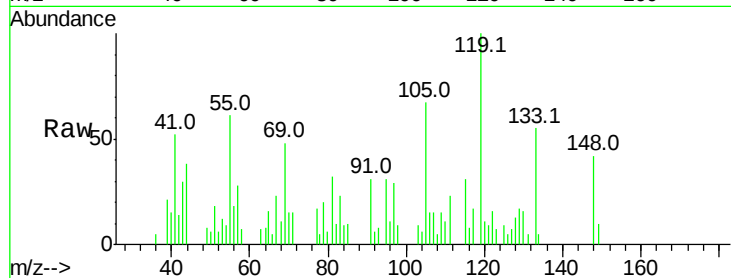




#32
Benzoic acid
Concen: 8.660 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

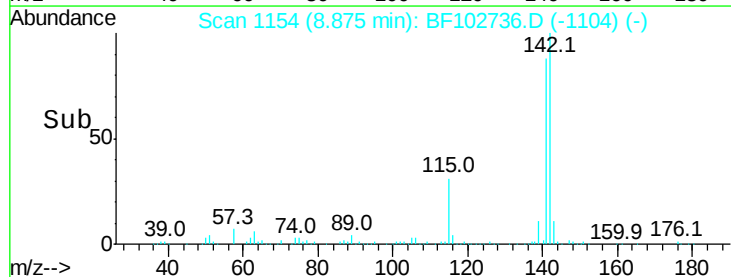
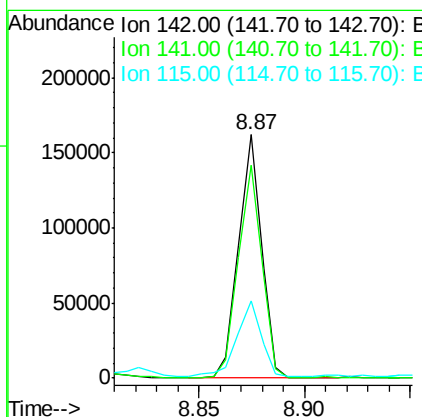
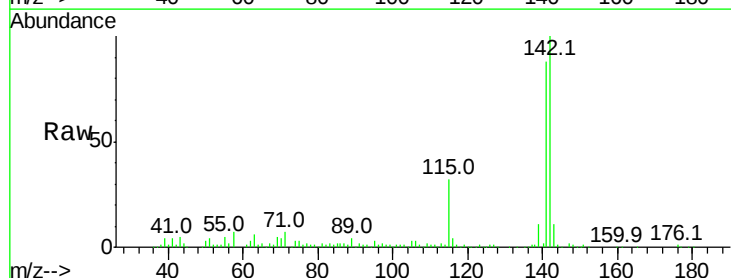
Instrument :
BNA_F
ClientSampleId :

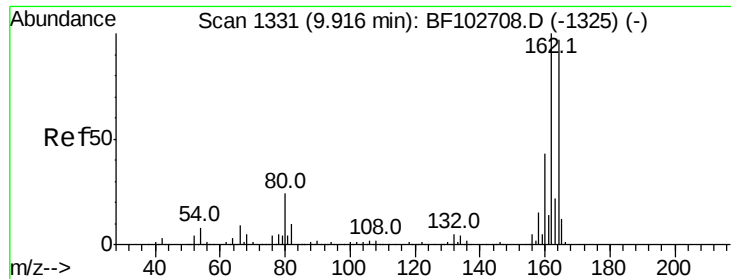
Tot Ion:122 Resp: 1053
Ion Ratio Lower Upper
122 100
105 409.1 101.1 141.1#
77 105.0 70.7 110.7



#37
2-Methylnaphthalene
Concen: 4.374 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion:142 Resp: 122935
Ion Ratio Lower Upper
142 100
141 87.5 70.8 106.2
115 31.6 26.1 39.1

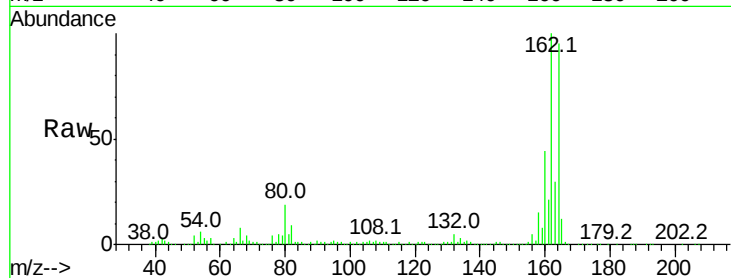




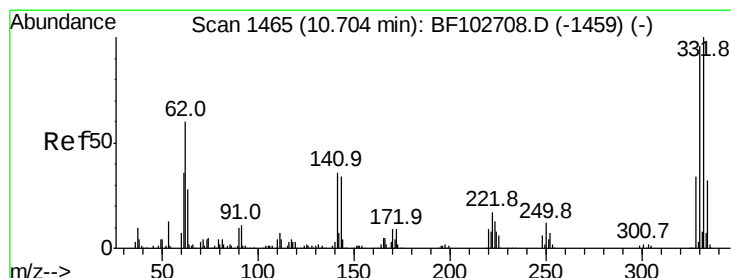
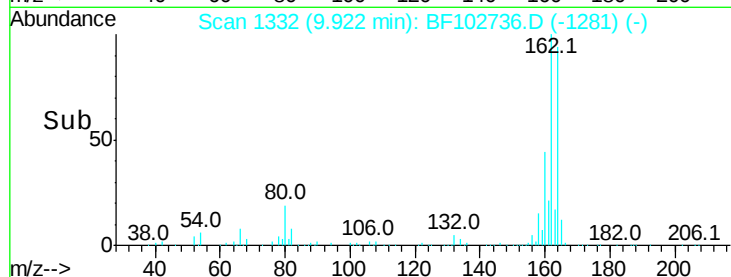
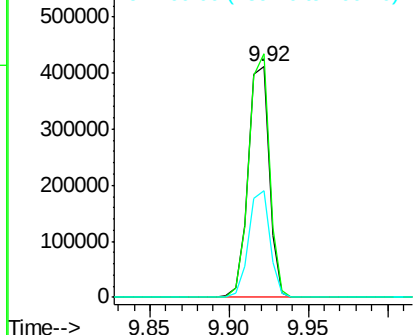
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF102736.D
 Acq: 5 Feb 2018 14:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 379245
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 46.1 38.3 57.5

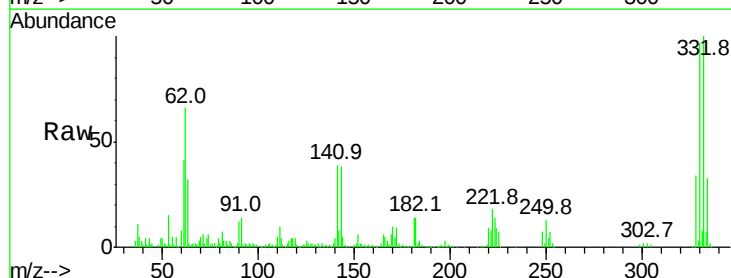


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

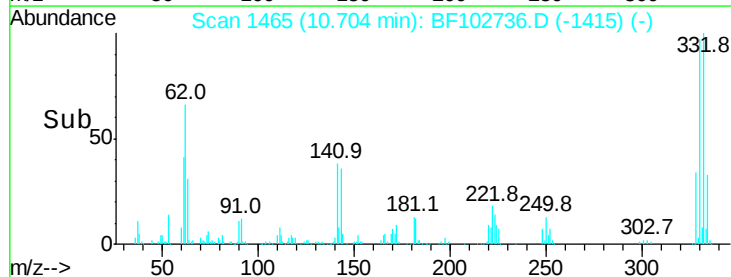
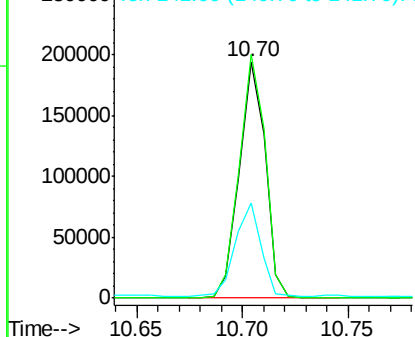


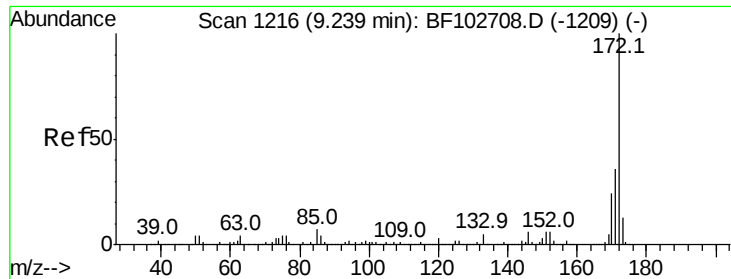
#41
 2,4,6-Tribromophenol
 Concen: 54.164 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102736.D
 Acq: 5 Feb 2018 14:28

Tgt Ion:330 Resp: 165336
 Ion Ratio Lower Upper
 330 100
 332 103.3 77.0 115.6
 141 39.3 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: 39.801 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

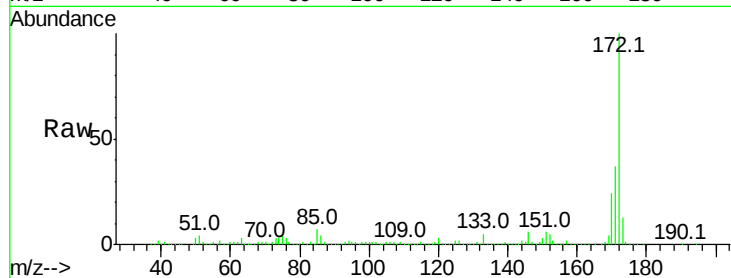
Tot Ion:172 Resp: 909660

Ion Ratio Lower Upper

172 100

171 36.7 29.7 44.5

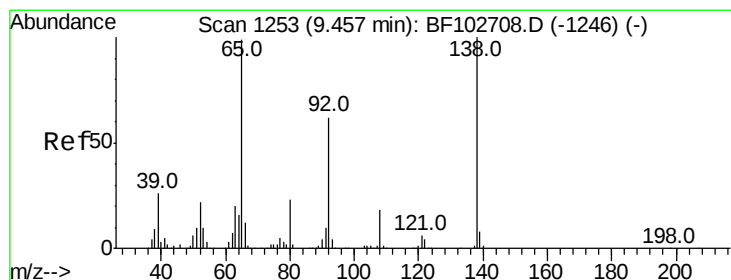
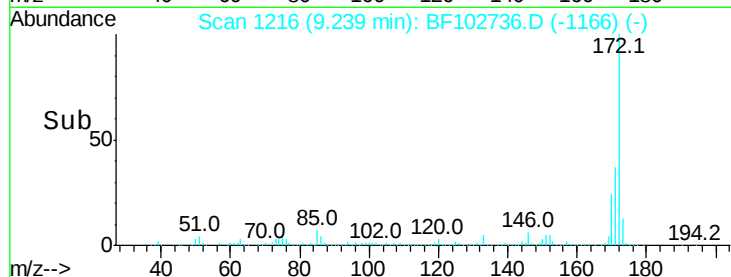
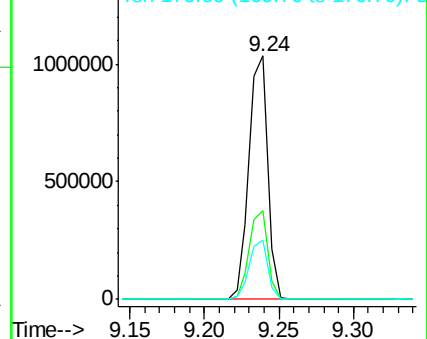
170 24.5 19.6 29.4



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: 3.694 ng

RT: 9.49 min Scan# 1259

Delta R.T. 0.03 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

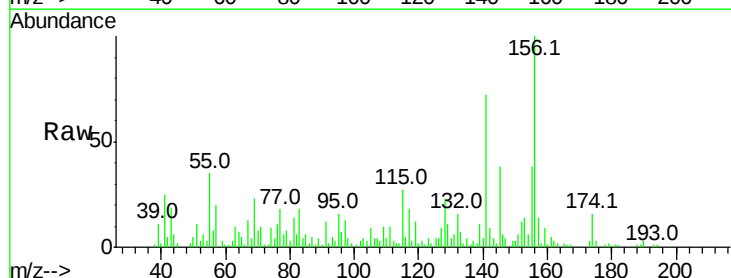
Tgt Ion: 65 Resp: 1856

Ion Ratio Lower Upper

65 100

92 38.3 55.8 83.6#

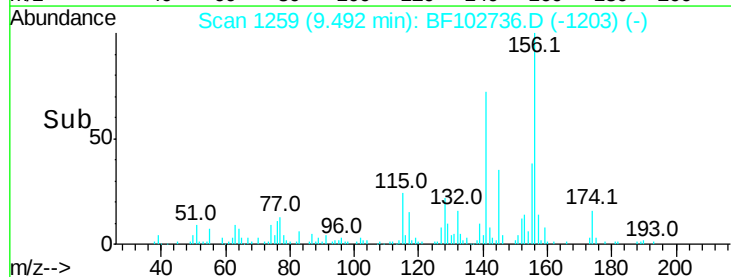
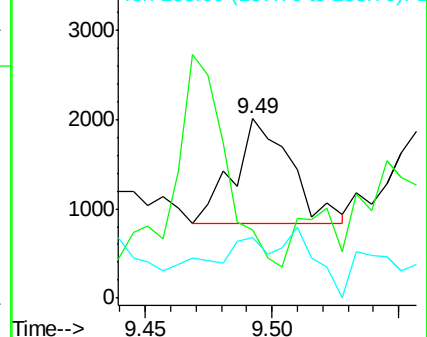
138 34.0 91.2 136.8#

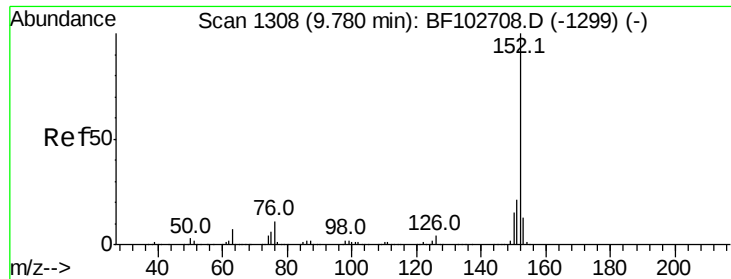


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 2.454 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

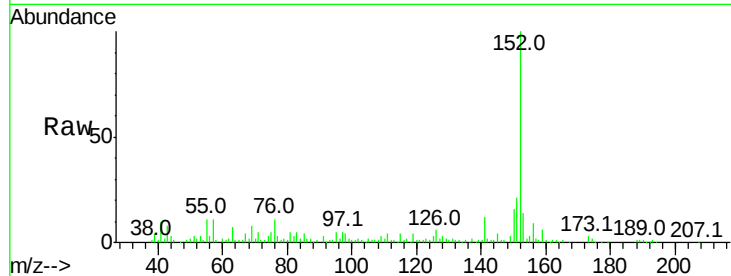
Tot Ion:152 Resp: 95861

Ion Ratio Lower Upper

152 100

151 20.9 16.3 24.5

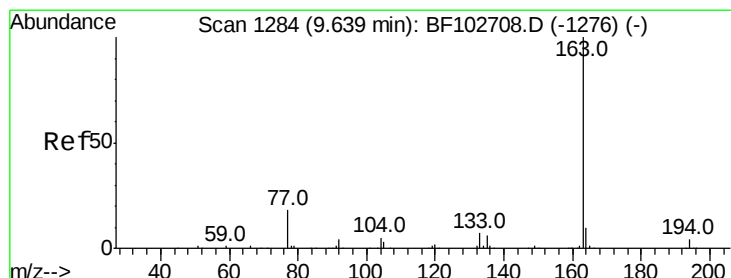
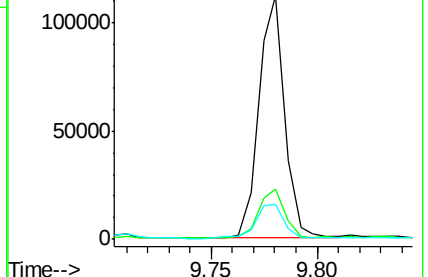
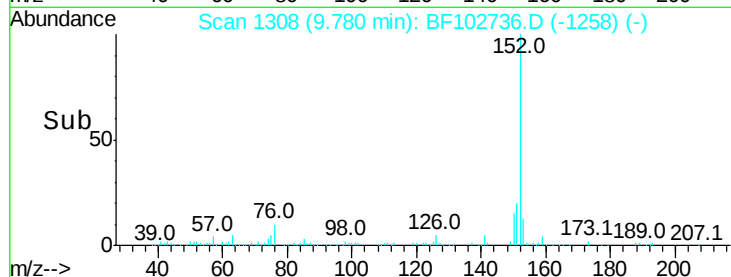
153 14.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.467 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

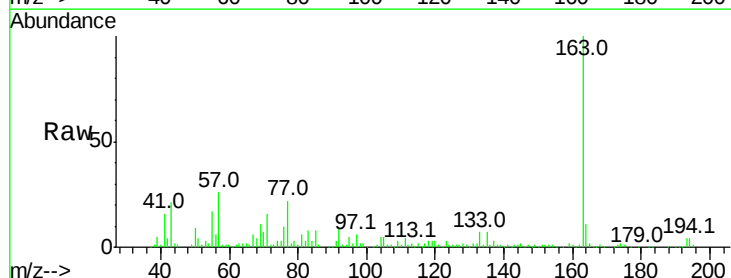
Tgt Ion:163 Resp: 102515

Ion Ratio Lower Upper

163 100

194 4.5 2.7 4.1#

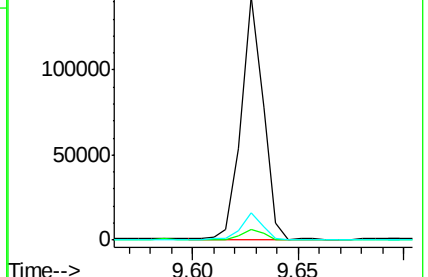
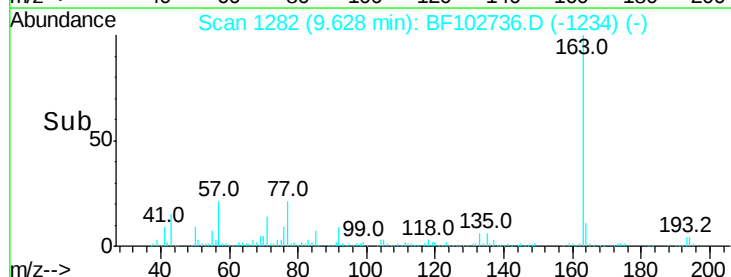
164 11.0 8.2 12.2

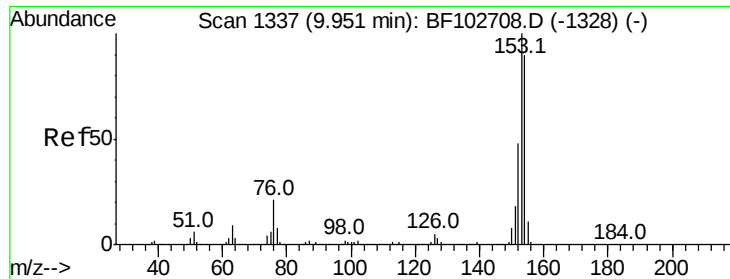


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 5.475 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

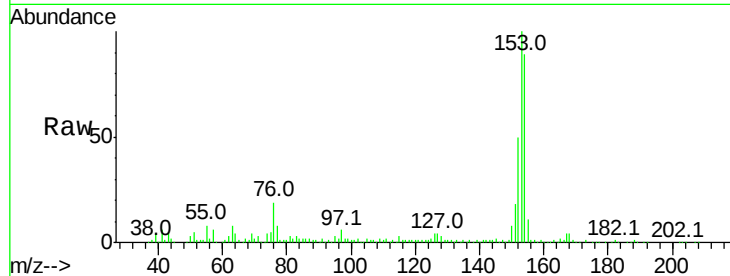
Tot Ion:154 Resp: 127897

Ion Ratio Lower Upper

154 100

153 113.0 91.2 136.8

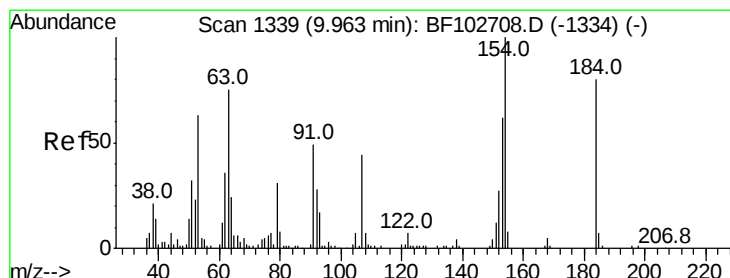
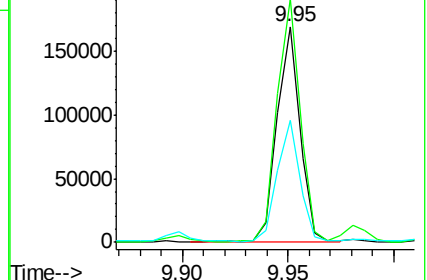
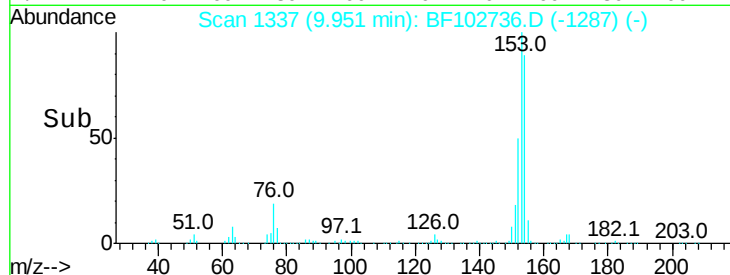
152 56.5 43.8 65.8



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: 8.185 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.24 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

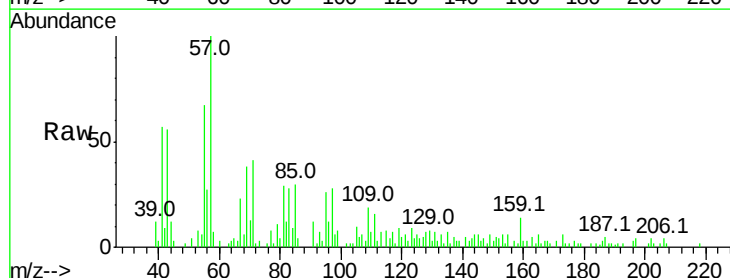
Tgt Ion:184 Resp: 262

Ion Ratio Lower Upper

184 100

63 80.6 54.2 81.2

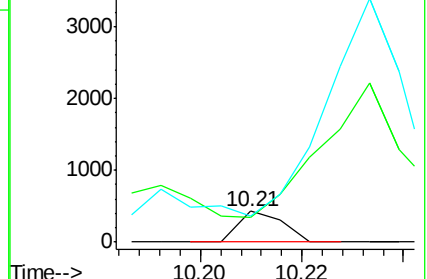
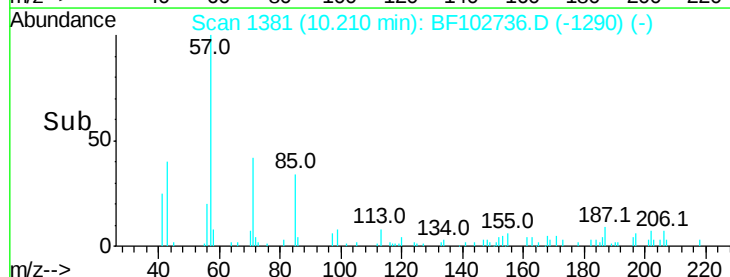
154 86.0 184.0 276.0#

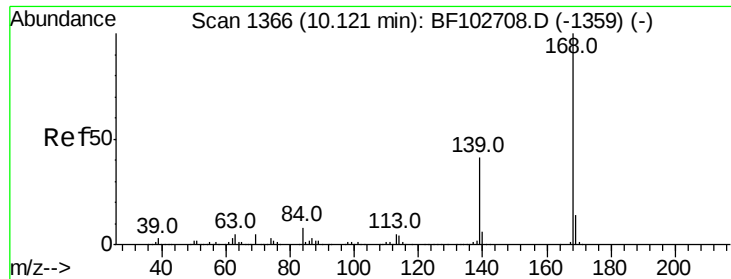


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

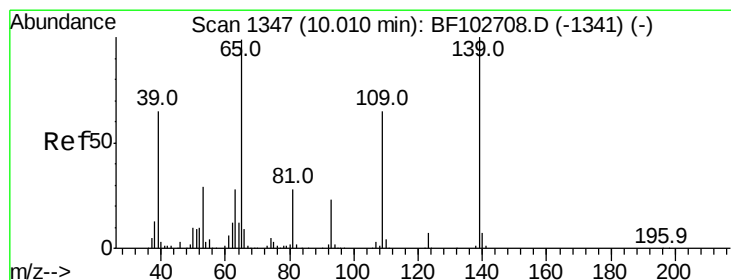
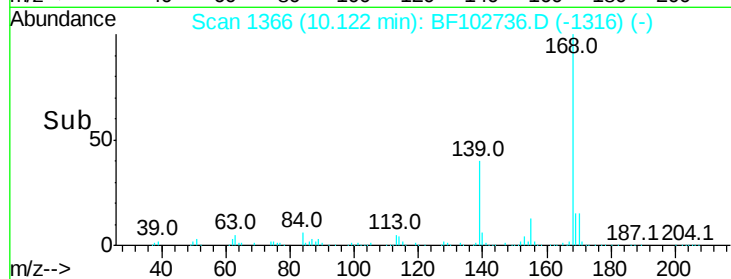
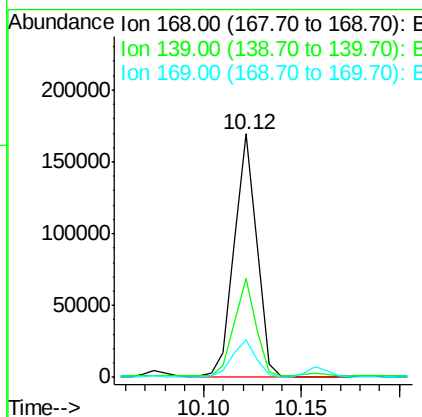
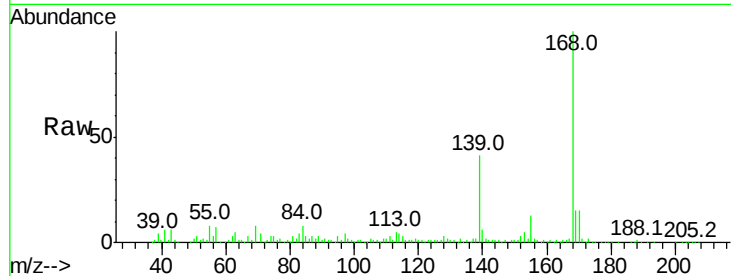




#54
Dibenzenofuran
Concen: 4.159 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

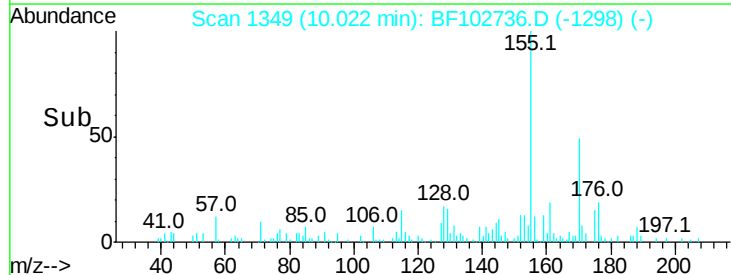
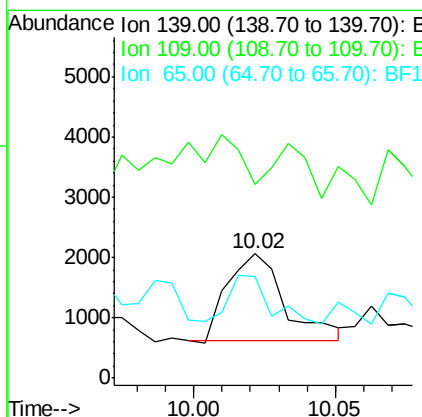
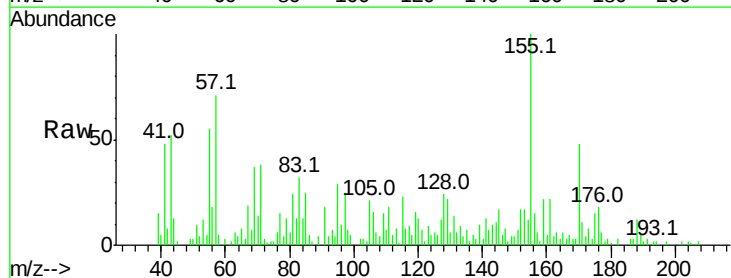
Instrument :
BNA_F
ClientSampled :

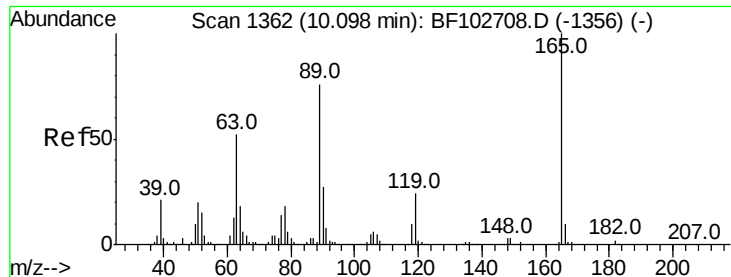
Tot Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.1	45.1
169	15.3	10.9	16.3



#55
4-Nitrophenol
Concen: 4.366 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion	Ratio	Lower	Upper
139	100		
109	156.5	48.4	88.4#
65	81.6	72.6	112.6

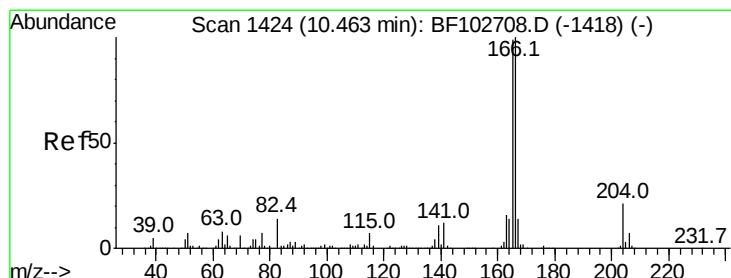
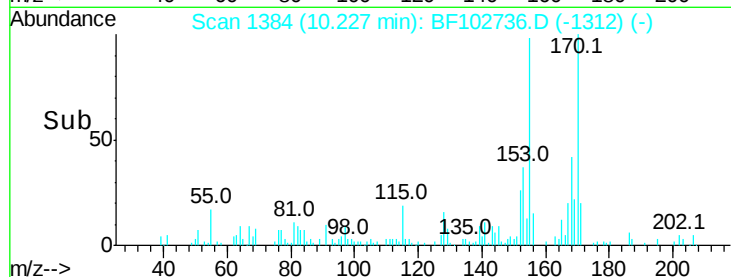
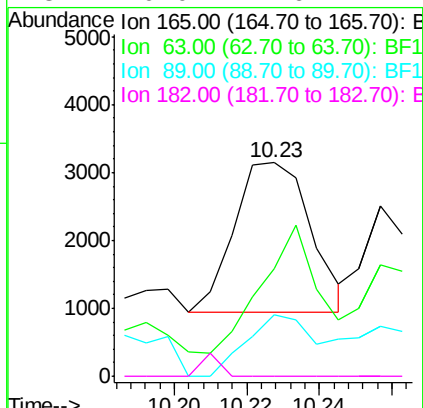
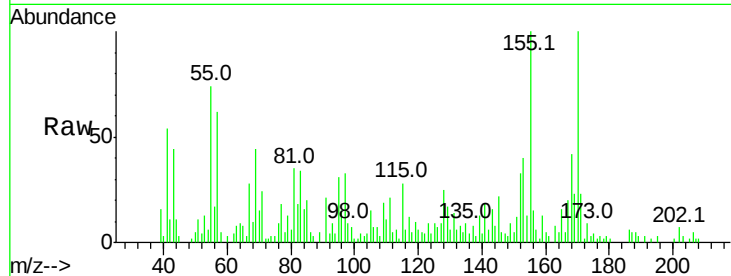




#56
2,4-Dinitrotoluene
Concen: 3.475 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.12 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

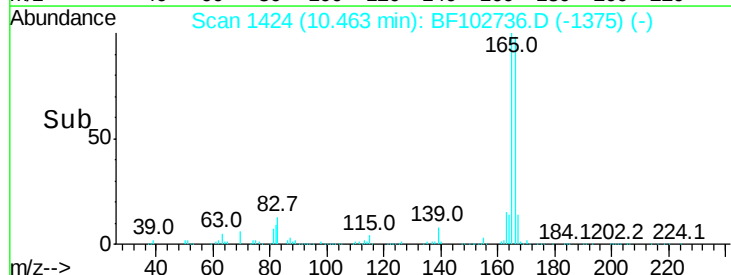
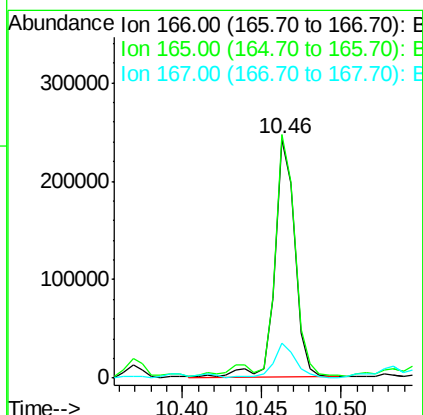
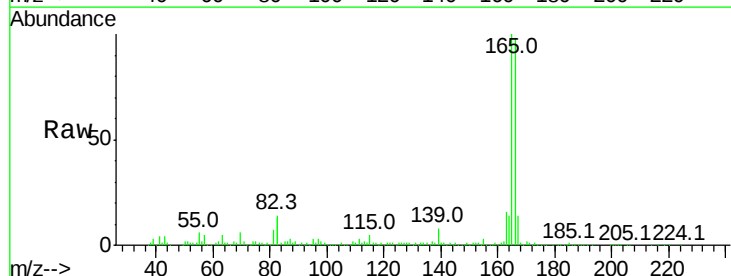
Instrument :
BNA_F
ClientSampled :

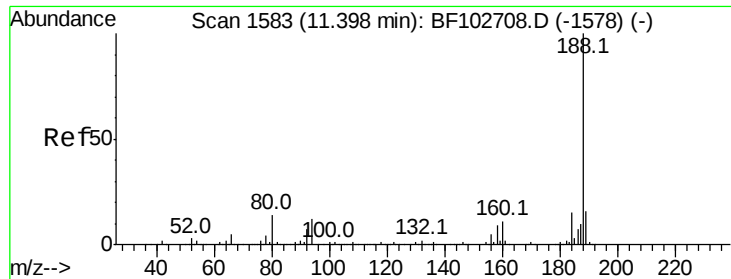
Tot Ion:165 Resp: 3218
Ion Ratio Lower Upper
165 100
63 50.2 36.4 54.6
89 29.0 57.8 86.6#
182 0.0 1.6 2.4#



#57
Fluorene
Concen: 8.907 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion:166 Resp: 213333
Ion Ratio Lower Upper
166 100
165 101.8 79.8 119.8
167 14.7 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

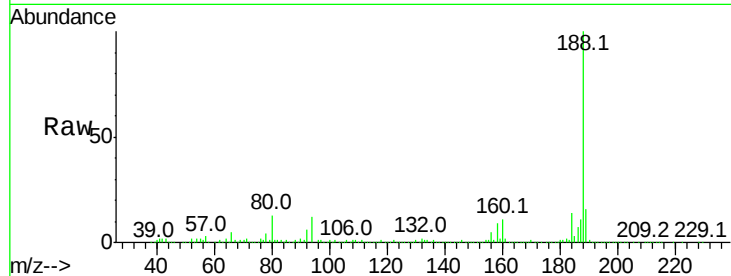
Tot Ion:188 Resp: 553744

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

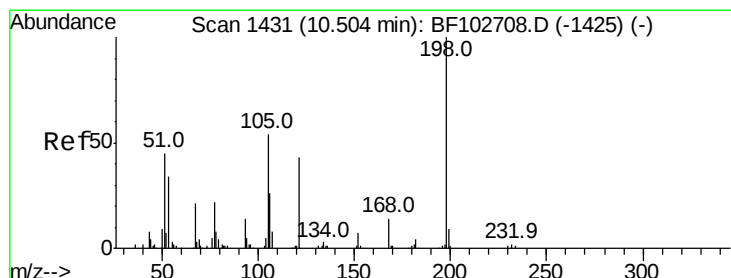
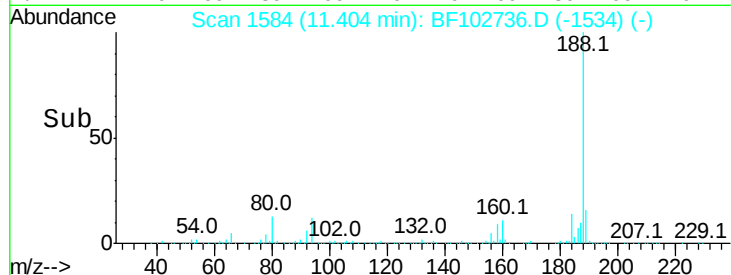
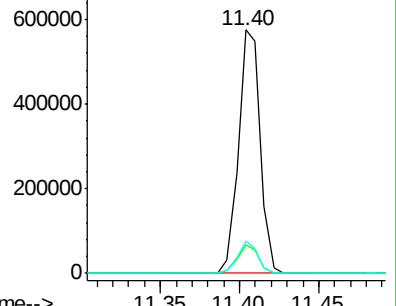
80 13.2 9.2 13.8



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: 8.929 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

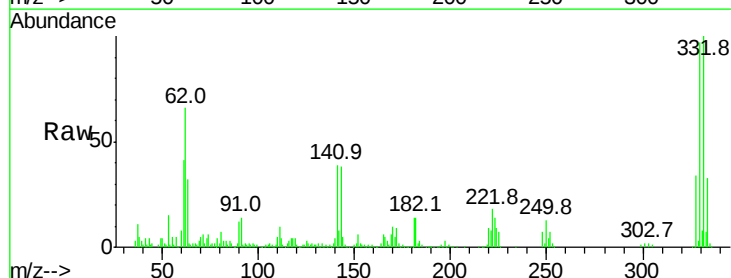
Tgt Ion:198 Resp: 340

Ion Ratio Lower Upper

198 100

51 610.8 37.7 77.7#

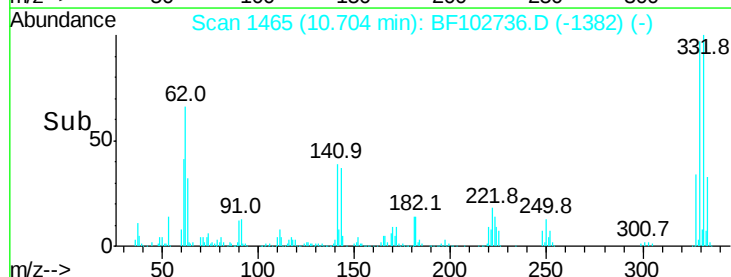
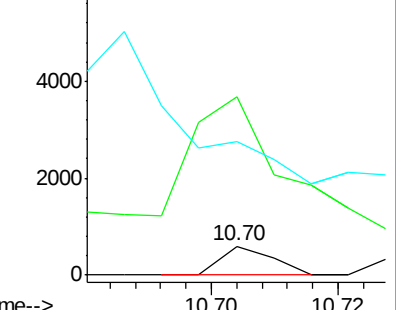
105 459.3 36.3 76.3#

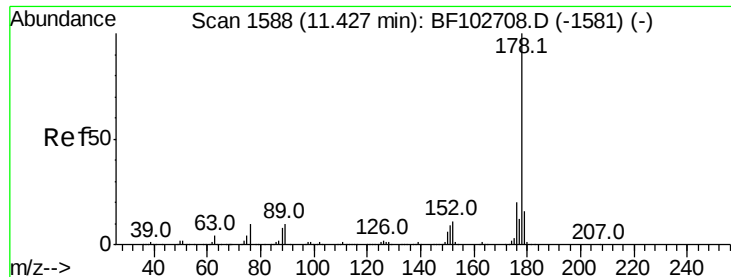


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 32.933 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

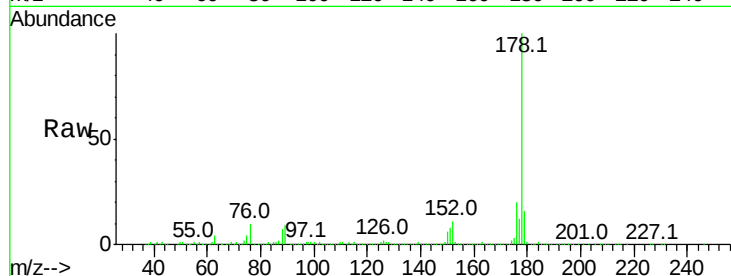
Tot Ion:178 Resp: 1015647

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	13.0	19.6

178 100

176 19.7 15.8 23.8

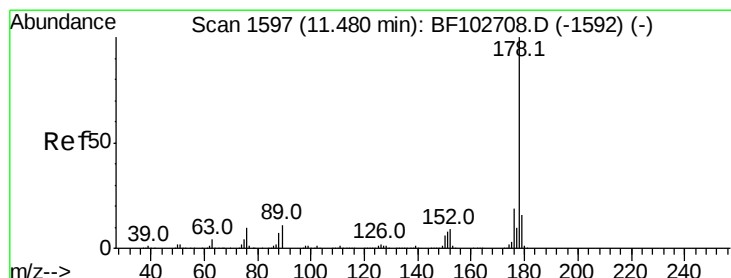
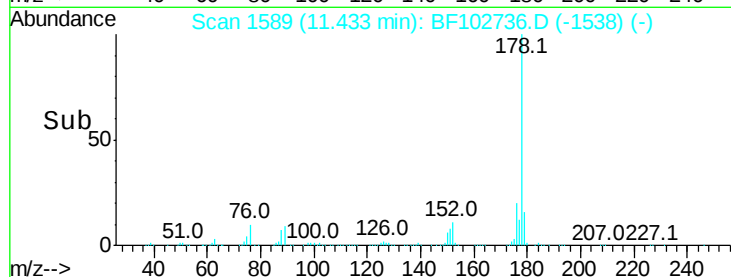
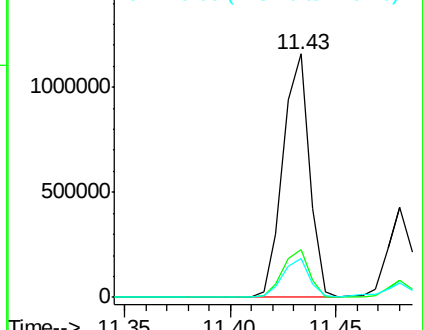
179 15.7 13.0 19.6



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: 10.556 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

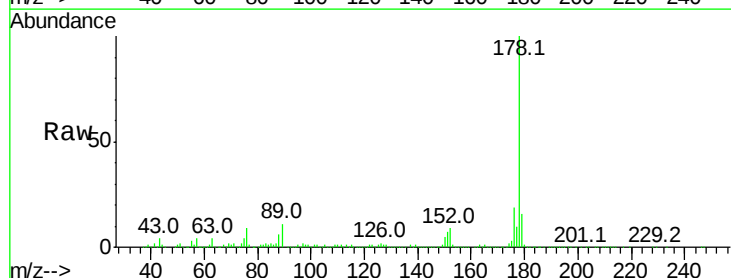
Tgt Ion:178 Resp: 331100

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.6	12.6	19.0

178 100

176 19.0 15.4 23.2

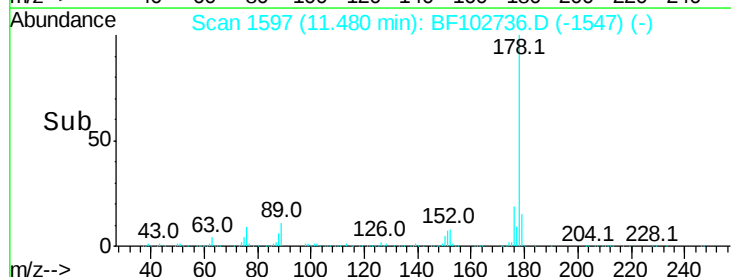
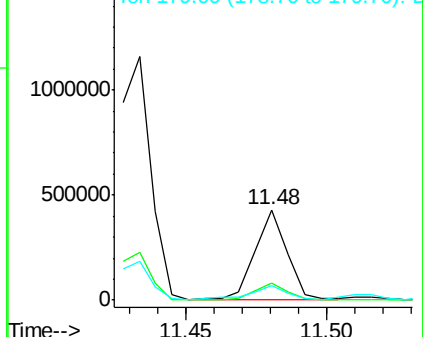
179 15.6 12.6 19.0

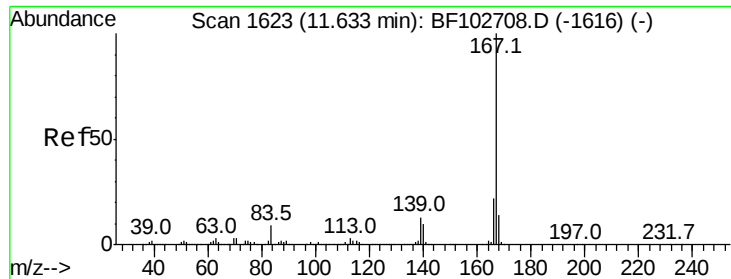


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.528 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

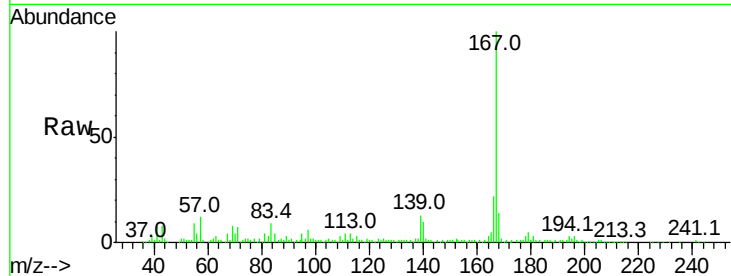
Tot Ion:167 Resp: 108400

Ion Ratio Lower Upper

167 100

166 21.8 17.6 26.4

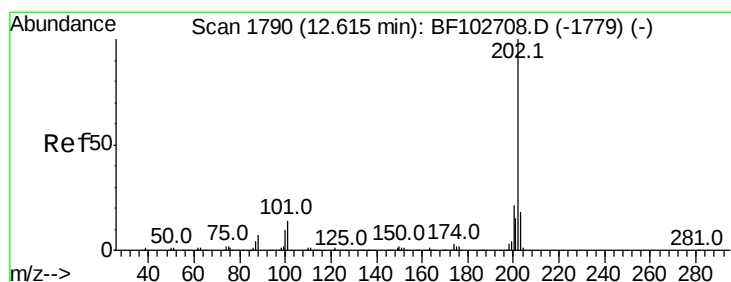
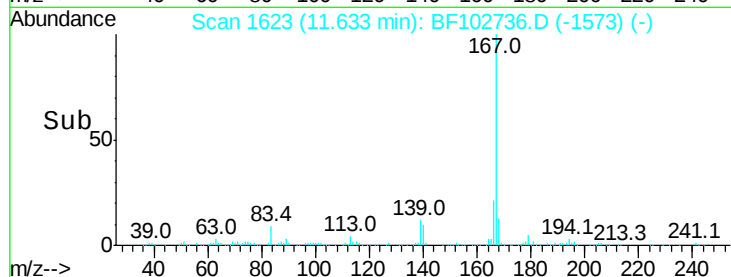
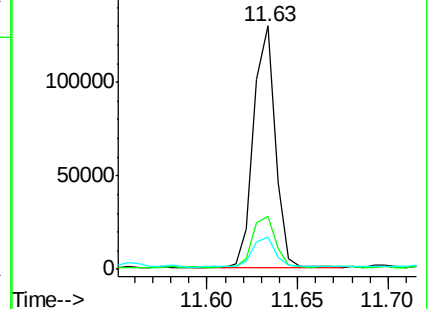
139 13.1 10.9 16.3



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: 29.748 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

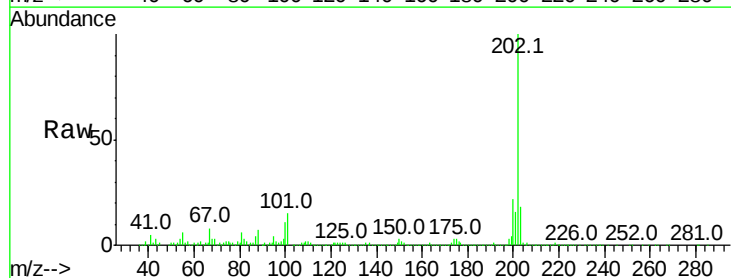
Tgt Ion:202 Resp: 923034

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.1

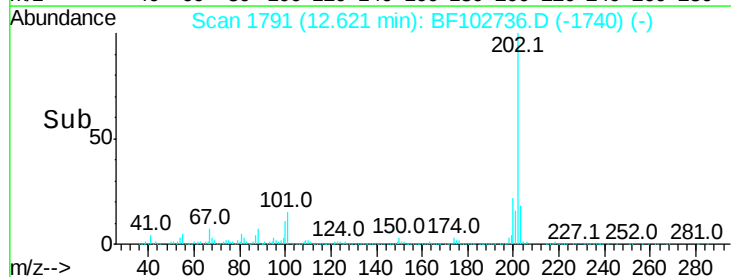
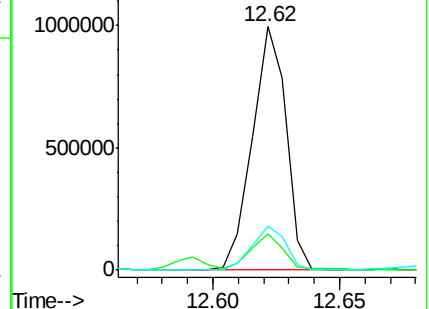
203 17.8 0.0 38.1

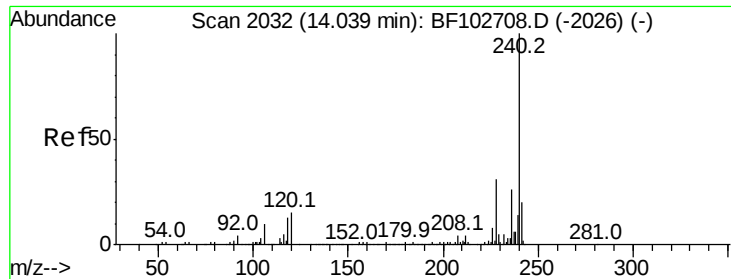


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampled :

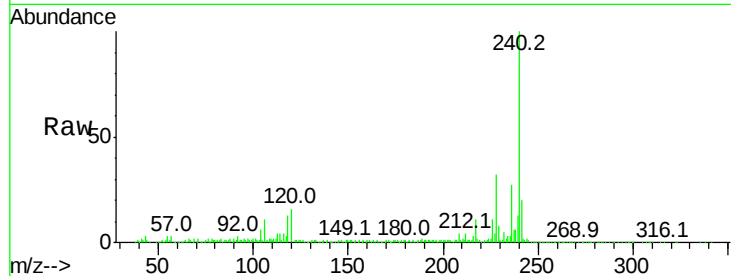
Tot Ion:240 Resp: 363814

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

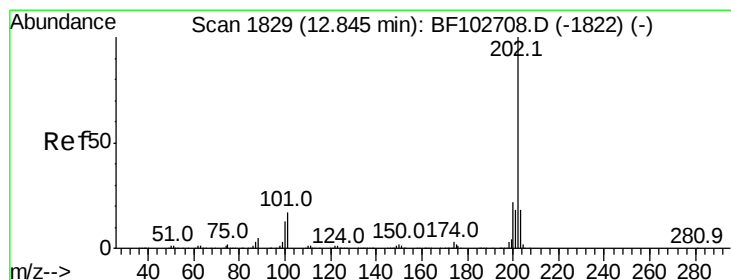
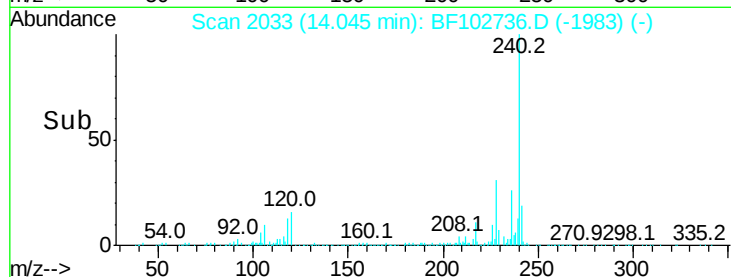
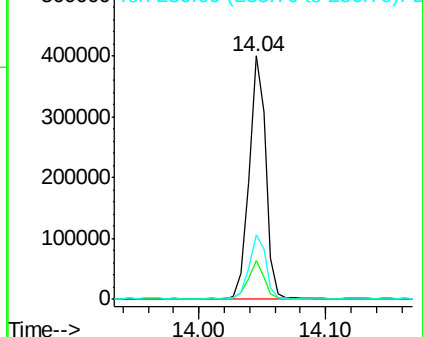
236 26.7 20.7 31.1



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: 30.766 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

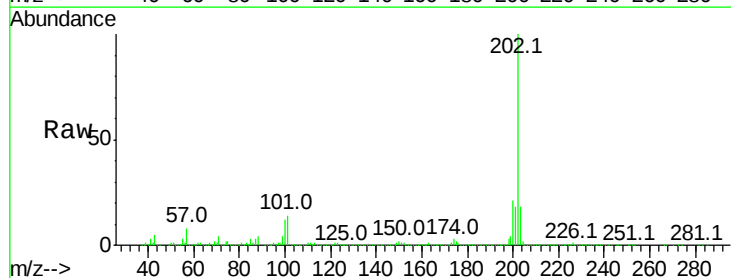
Tgt Ion:202 Resp: 877710

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

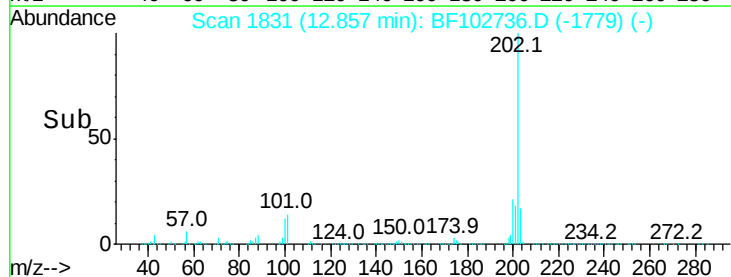
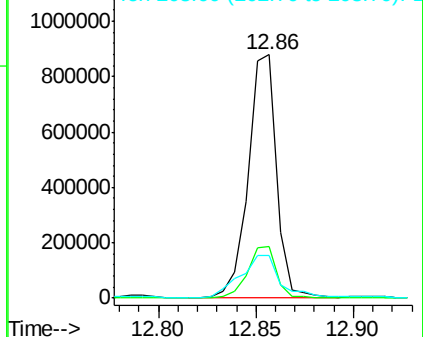
203 17.6 14.3 21.5

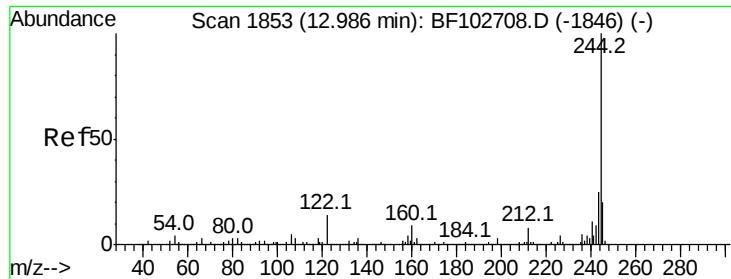


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 39.145 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

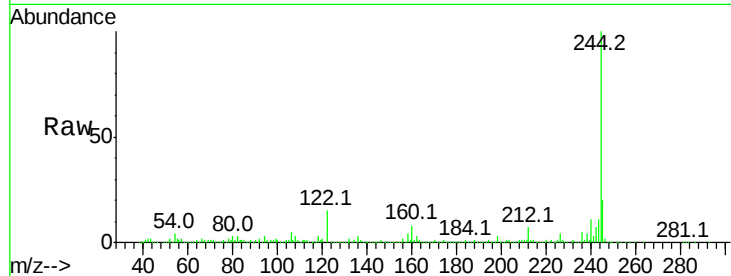
Tot Ion:244 Resp: 601469

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

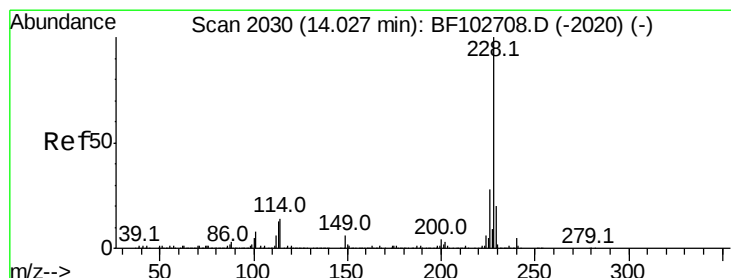
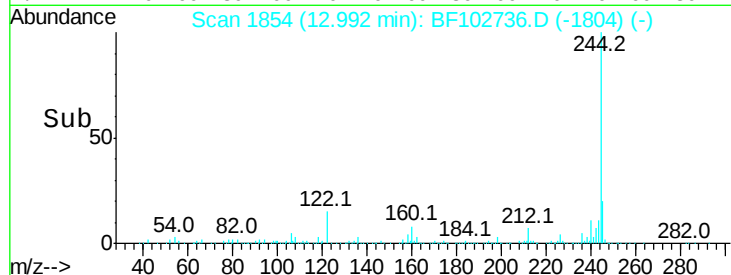
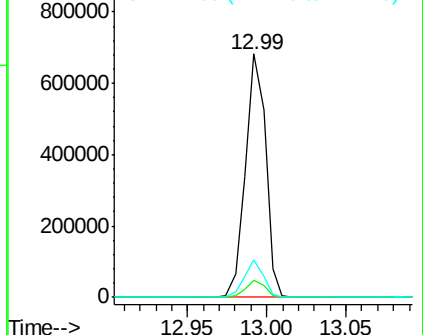
122 15.2 11.0 16.4



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: 17.638 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

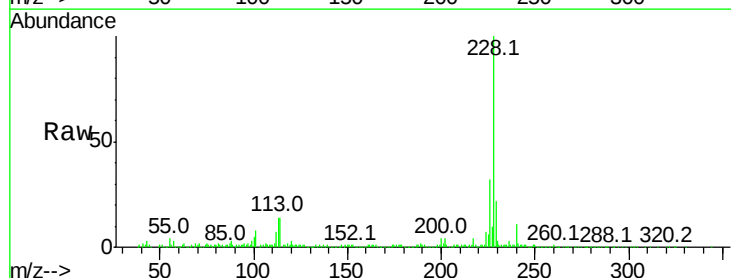
Tgt Ion:228 Resp: 403555

Ion Ratio Lower Upper

228 100

226 31.7 22.6 33.8

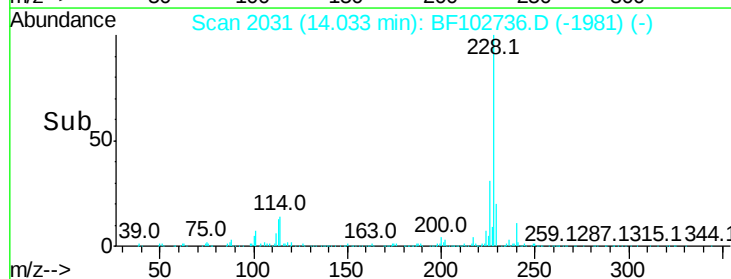
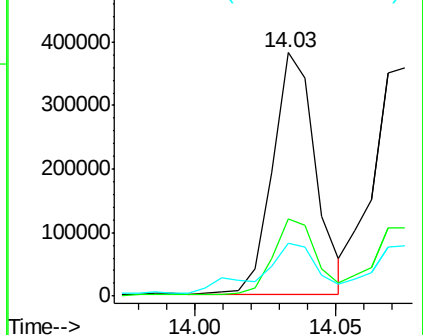
229 21.7 15.8 23.6

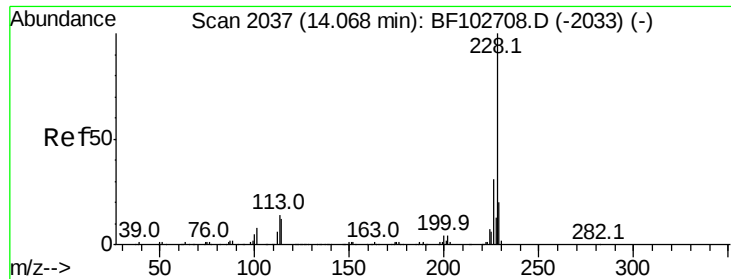


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

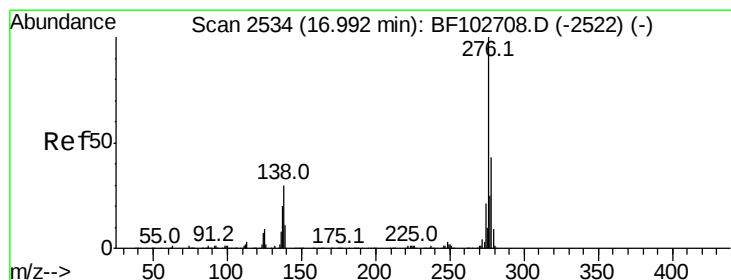
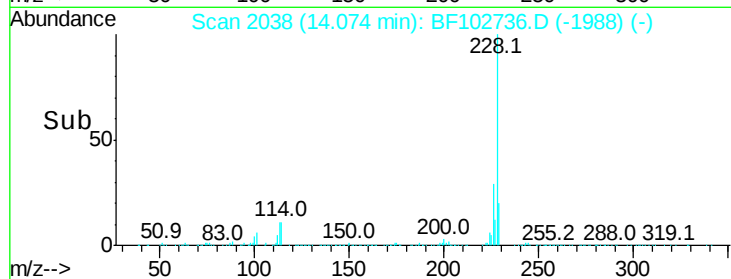
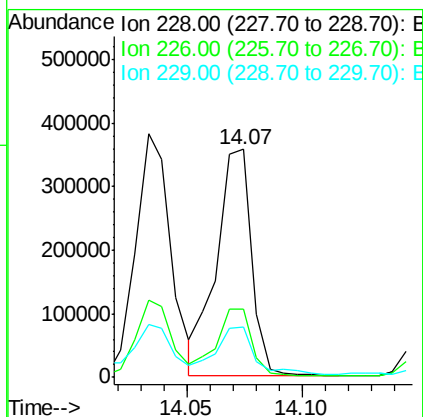
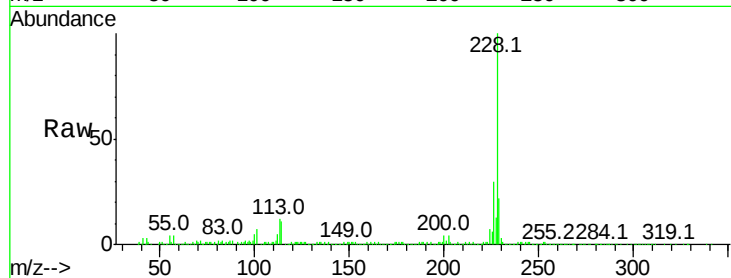




#82
Chrysene
Concen: 16.399 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

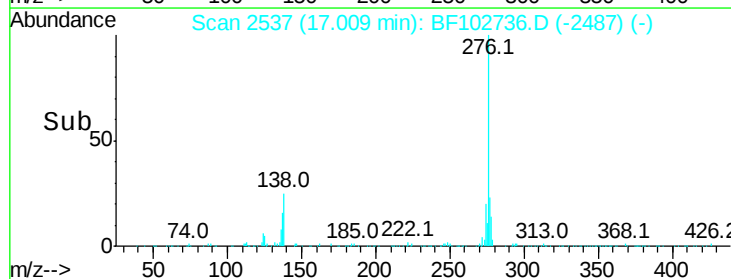
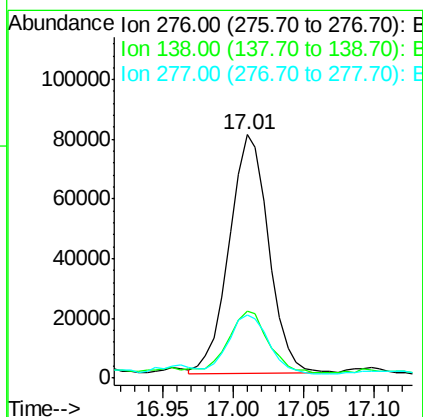
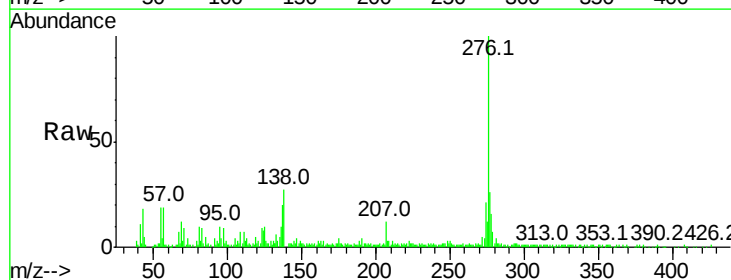
Instrument :
BNA_F
ClientSampleId :

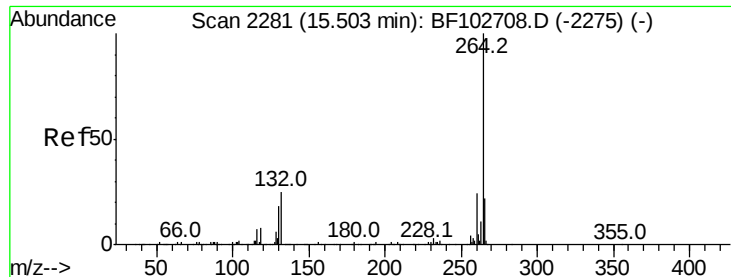
Tot Ion:228 Resp: 378232
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 21.8 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.178 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion:276 Resp: 156447
Ion Ratio Lower Upper
276 100
138 26.1 25.0 37.6
277 25.7 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

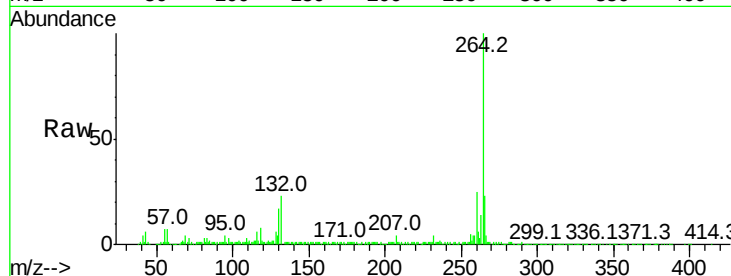
Tot Ion:264 Resp: 350839

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

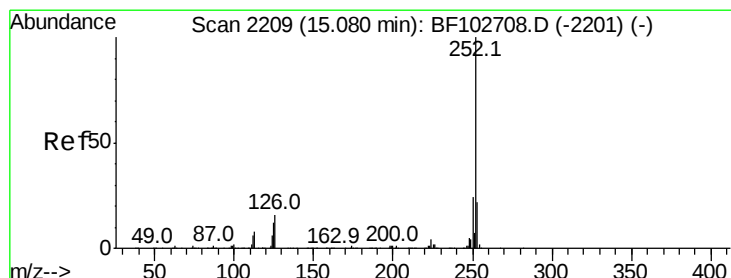
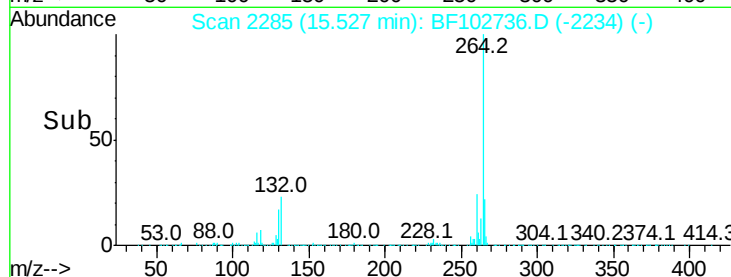
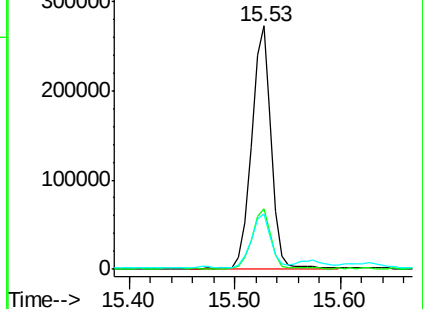
265 22.9 17.5 26.3



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: 25.142 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

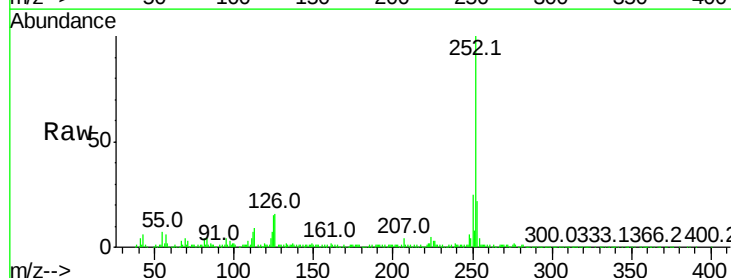
Tgt Ion:252 Resp: 571876

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.6

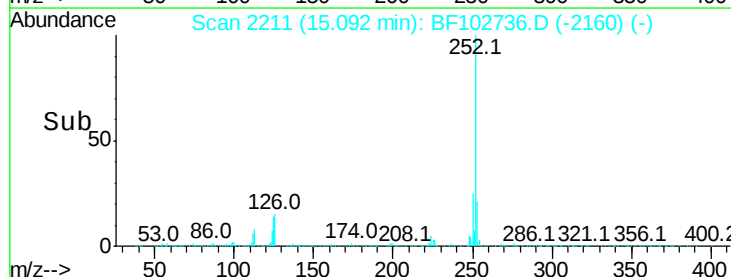
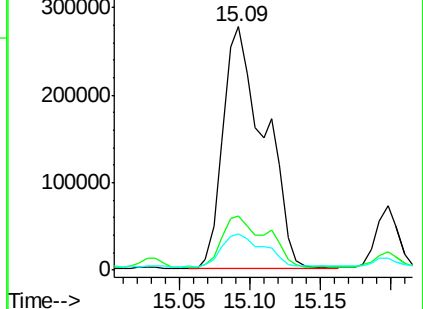
125 14.8 9.0 13.6#

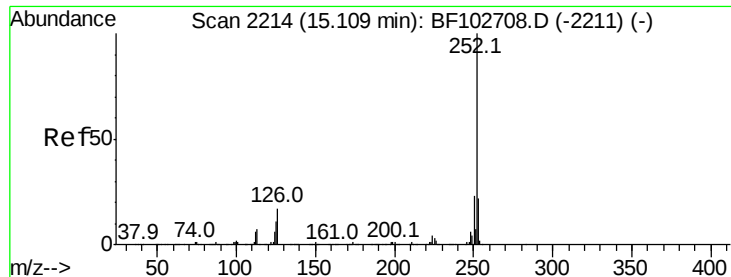


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

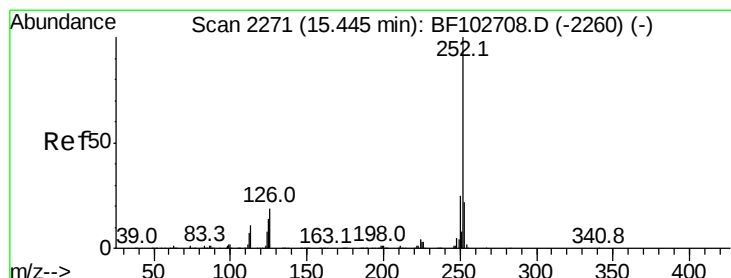
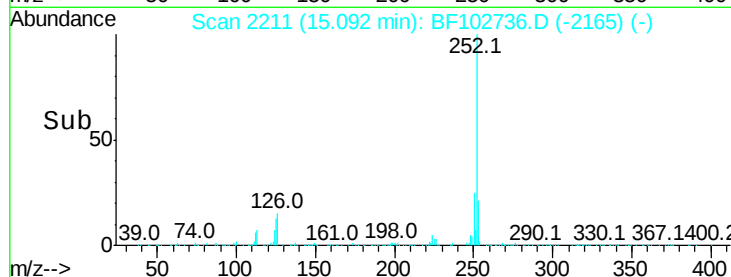
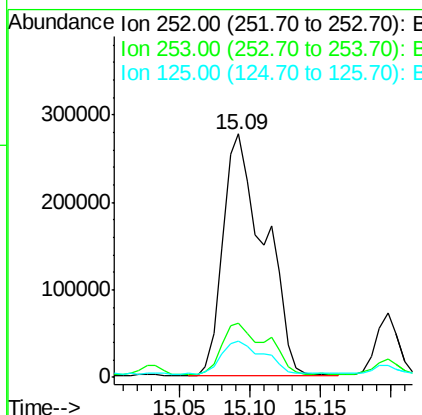
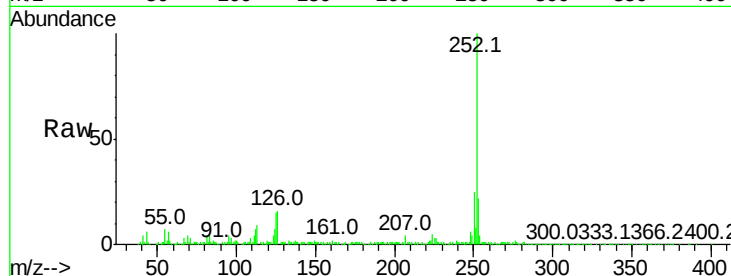




#88
Benzo(k)fluoranthene
Concen: 26.313 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

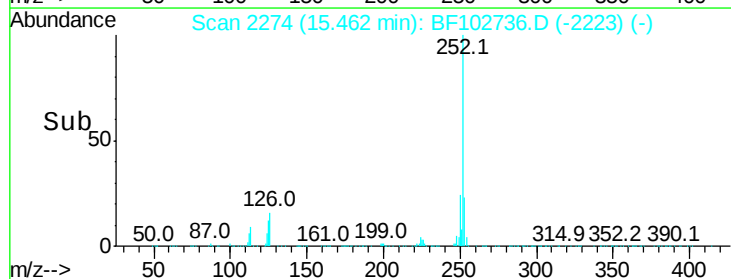
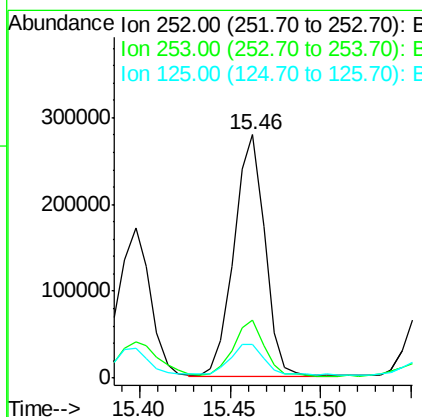
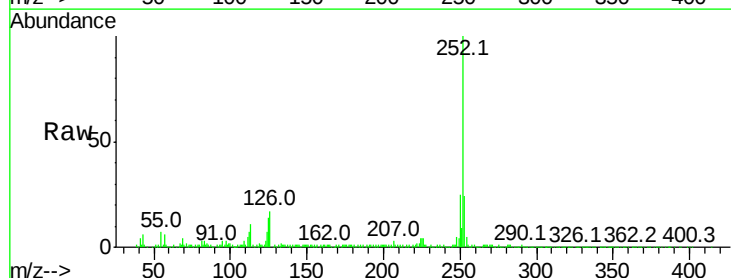
Instrument :
BNA_F
ClientSampleId :

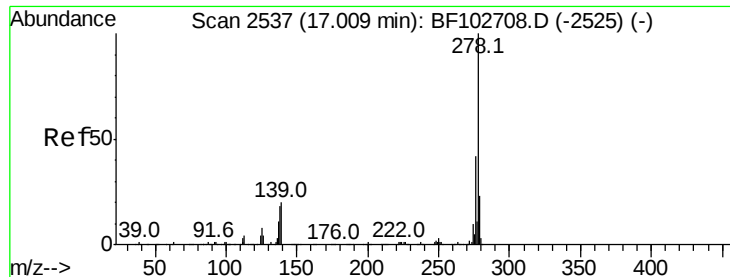
Tot Ion:252 Resp: 571876
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 14.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 16.210 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF102736.D
Acq: 5 Feb 2018 14:28

Tgt Ion:252 Resp: 331887
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 13.9 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.396 ng

RT: 17.02 min Scan# 2539

Delta R.T. -0.02 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Instrument :

BNA_F

ClientSampleId :

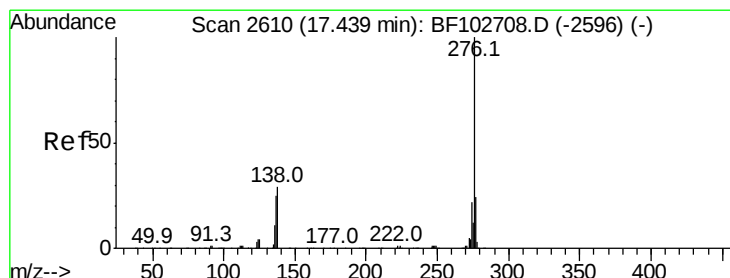
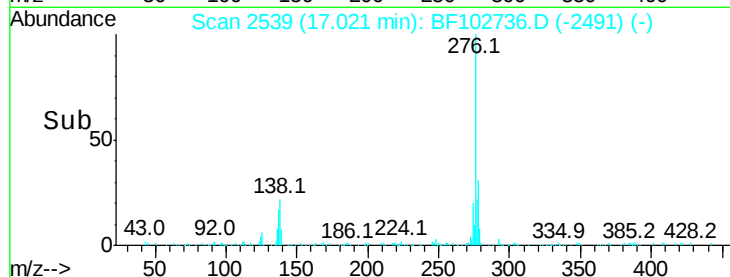
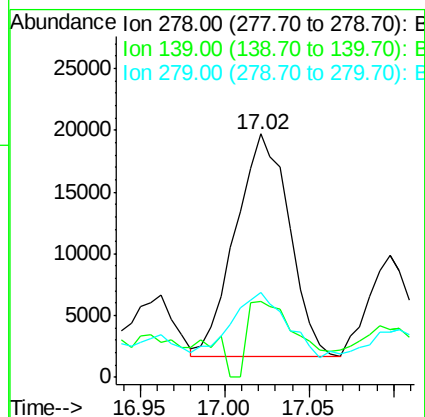
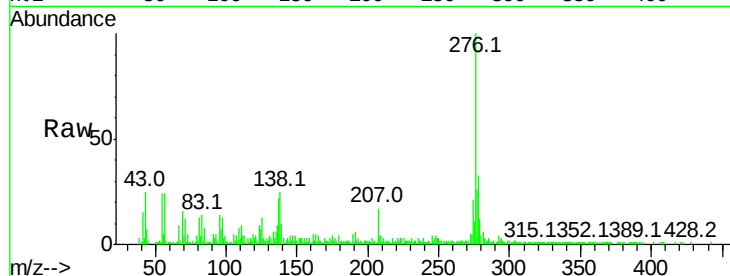
Tot Ion:278 Resp: 39820

Ion Ratio Lower Upper

278 100

139 31.1 15.9 23.9#

279 34.6 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 9.528 ng

RT: 17.46 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF102736.D

Acq: 5 Feb 2018 14:28

Tgt Ion:276 Resp: 154981

Ion Ratio Lower Upper

276 100

277 24.4 17.9 26.9

138 28.1 21.8 32.8

