

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102767.D
 Acq On : 6 Feb 2018 5:18
 Operator : SJ/JU
 Sample : J1454-07
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 07:25:16 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	222483	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	916205	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	395198	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	571168	20.00	ng	0.00
75) Chrysene-d12	14.05	240	338511	20.00	ng	0.00
86) Perylene-d12	15.53	264	334648	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1053720	71.93	ng	0.00
7) Phenol-d6	6.50	99	1392918	78.97	ng	0.00
23) Nitrobenzene-d5	7.45	82	975895	73.89	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	192398	60.49	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1295818	54.41	ng	0.00
78) Terphenyl-d14	12.99	244	804068	56.24	ng	0.00

Target Compounds

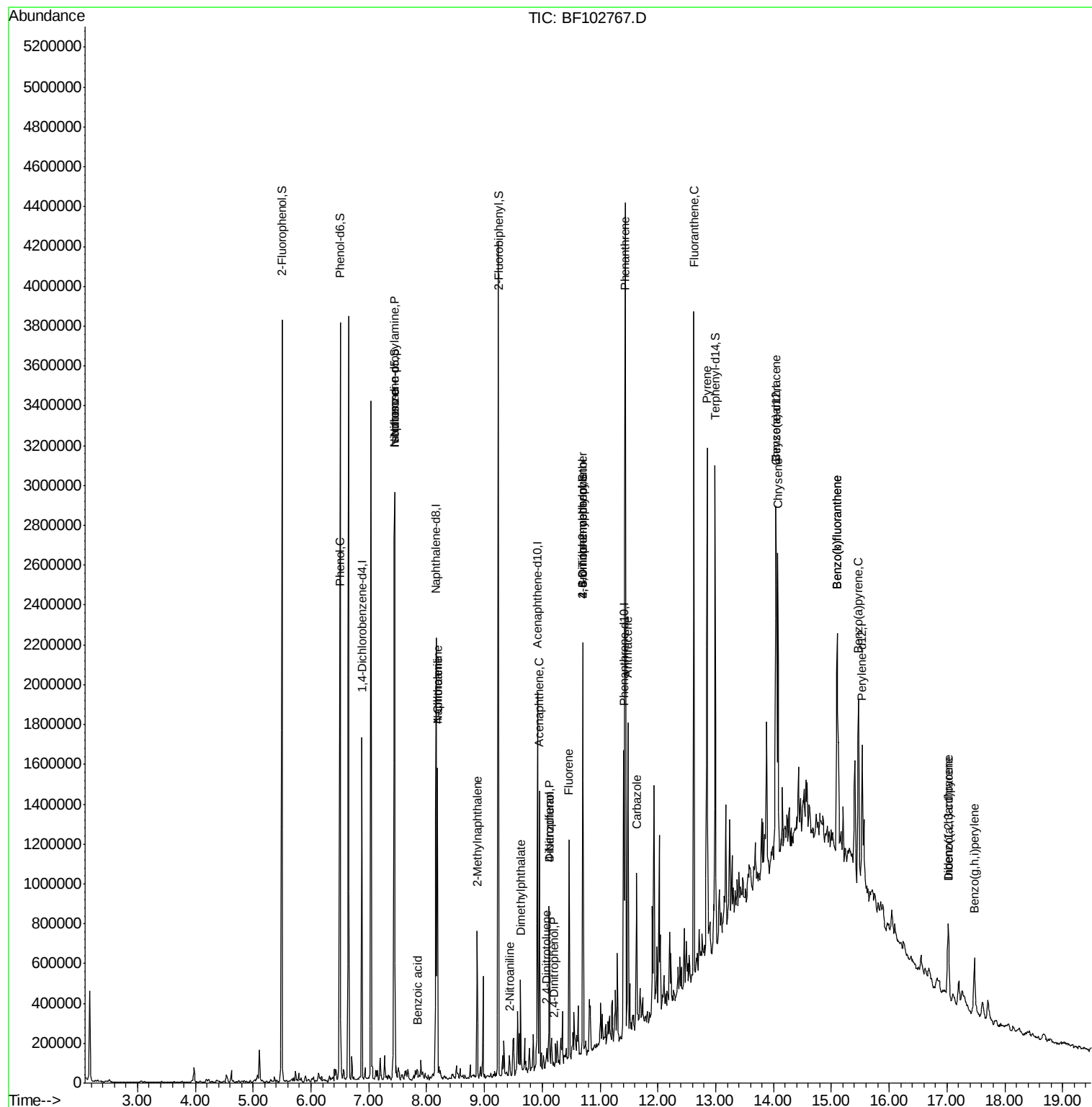
						Qvalue
10) Phenol	6.52	94	44808	2.370	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	130704	11.238	ng	# 80
25) Isophorone	7.45	82	973806	32.020	ng	# 64
31) Naphthalene	8.19	128	639102	14.277	ng	100
32) Benzoic acid	7.85	122	8068	9.401	ng	93
33) 4-Chloroaniline	8.19	127	84399	4.377	ng	# 35
37) 2-Methylnaphthalene	8.87	142	177638	6.061	ng	98
47) 2-Nitroaniline	9.43	65	1273	3.618	ng	# 29
49) Dimethylphthalate	9.63	163	146480	4.754	ng	97
51) Acenaphthene	9.95	154	258434	10.617	ng	99
53) 2,4-Dinitrophenol	10.21	184	252	8.164	ng	# 1
54) Dibenzofuran	10.12	168	255110	7.437	ng	99
55) 4-Nitrophenol	10.12	139	98836	19.858	ng	# 11
56) 2,4-Dinitrotoluene	10.07	165	4114	3.565	ng	# 59
57) Fluorene	10.46	166	302515	12.121	ng	99
64) 4,6-Dinitro-2-methylphenol	10.70	198	330	8.921	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12749	2.110	ng	# 1
70) Phenanthrene	11.43	178	1701180	53.479	ng	99
71) Anthracene	11.48	178	562525	17.387	ng	99
72) Carbazole	11.63	167	284812	8.985	ng	99
74) Fluoranthene	12.62	202	1430229	44.688	ng	98
77) Pyrene	12.85	202	1221207	46.006	ng	99
80) Benzo(a)anthracene	14.04	228	676850	31.793	ng	98
82) Chrysene	14.07	228	574799	26.784	ng	97
85) Indeno(1,2,3-cd)pyrene	17.02	276	261602	14.698	ng	94
87) Benzo(b)fluoranthene	15.10	252	941949	43.415	ng	# 94
88) Benzo(k)fluoranthene	15.10	252	941949	45.437	ng	# 97
89) Benzo(a)pyrene	15.47	252	504886	25.853	ng	# 95
90) Dibenzo(a,h)anthracene	17.03	278	69341	4.374	ng	# 87
91) Benzo(g,h,i)perylene	17.47	276	225340	14.524	ng	98

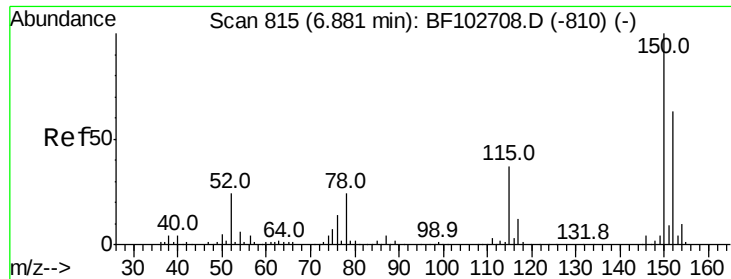
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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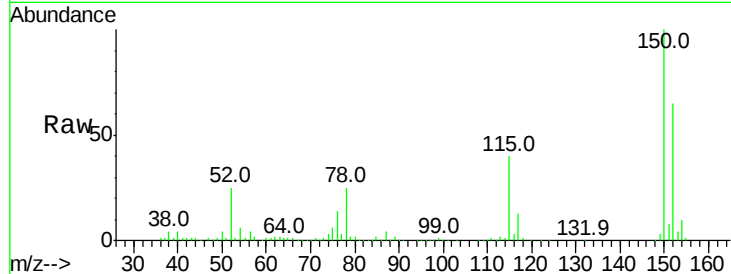


#1

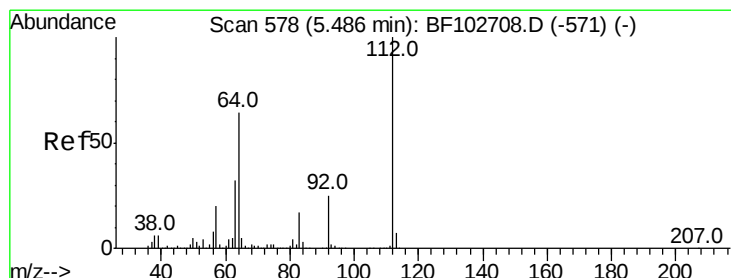
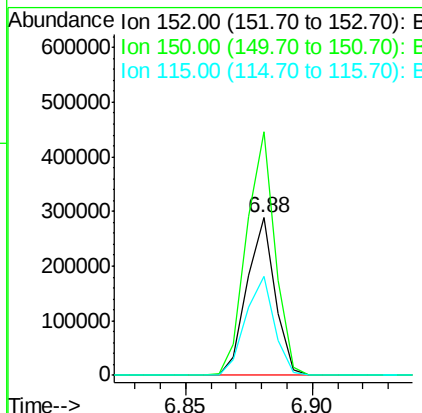
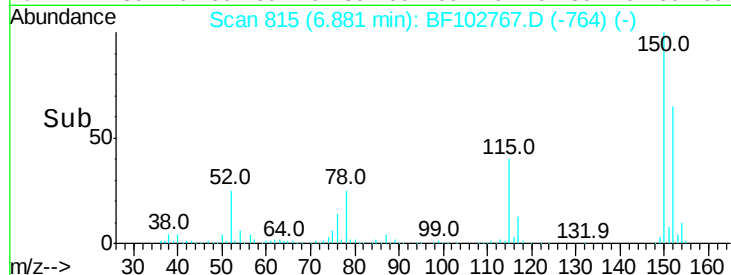
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 222483
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 62.6 50.1 75.1



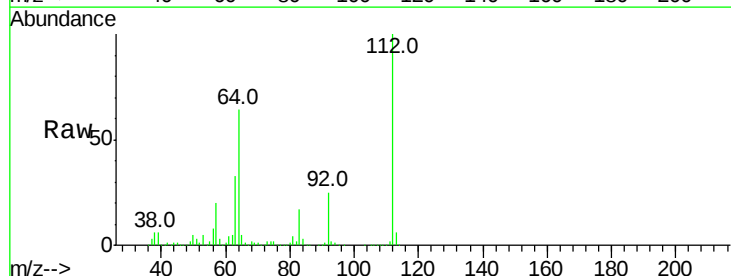
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



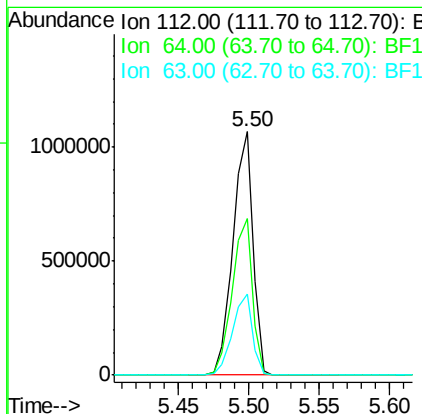
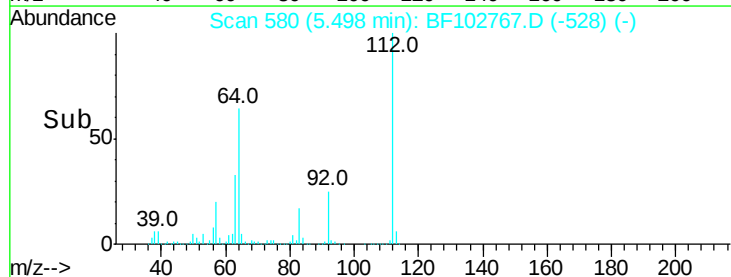
#5

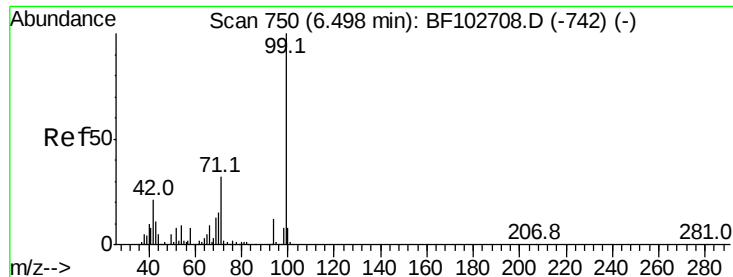
2-Fluorophenol
Concen: 71.927 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Tgt Ion:112 Resp: 1053720
Ion Ratio Lower Upper
112 100
64 64.1 47.9 71.9
63 33.2 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: 78.966 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

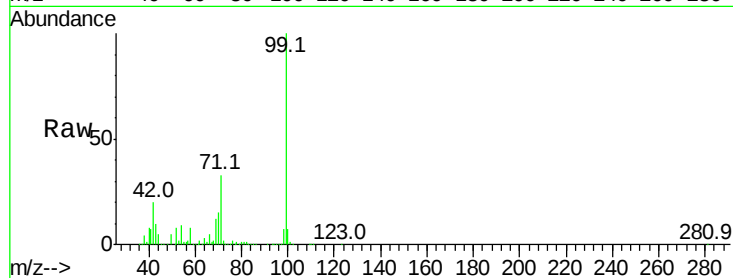
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1392918

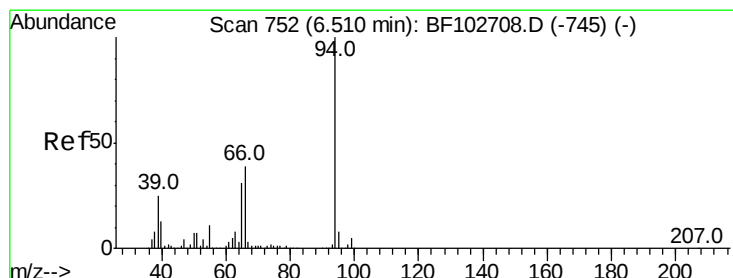
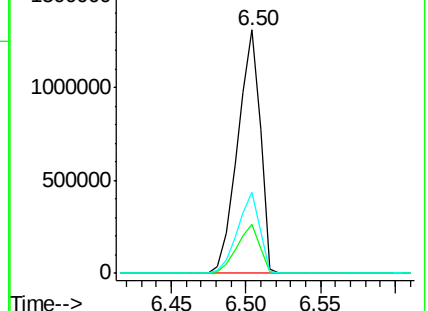
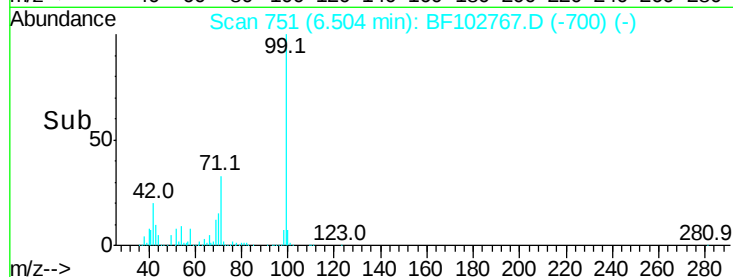
Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.5	21.7
71	33.1	25.4	38.0



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: 2.370 ng

RT: 6.52 min Scan# 753

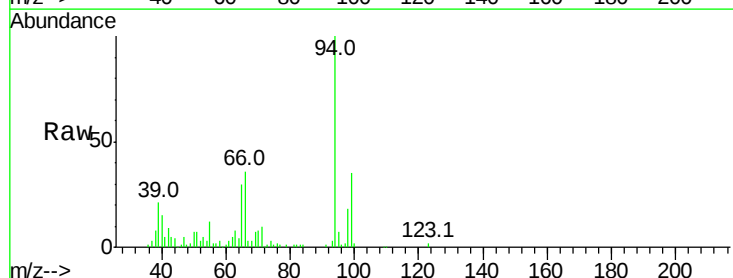
Delta R.T. -0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

Tgt Ion: 94 Resp: 44808

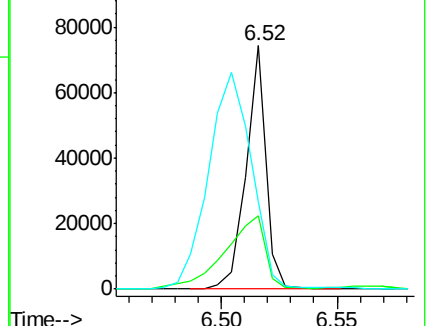
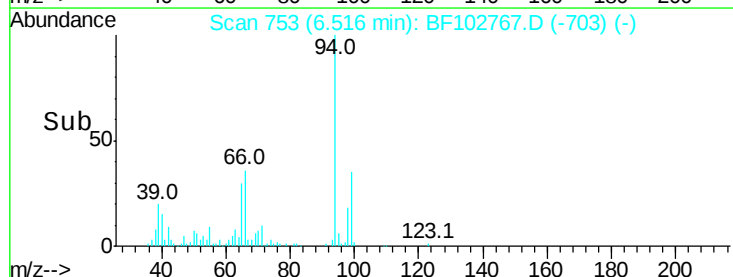
Ion	Ratio	Lower	Upper
94	100		
65	30.4	7.9	47.9
66	35.9	16.2	56.2

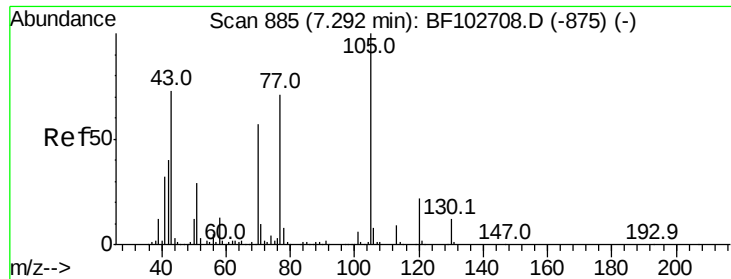


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 11.238 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102767.D

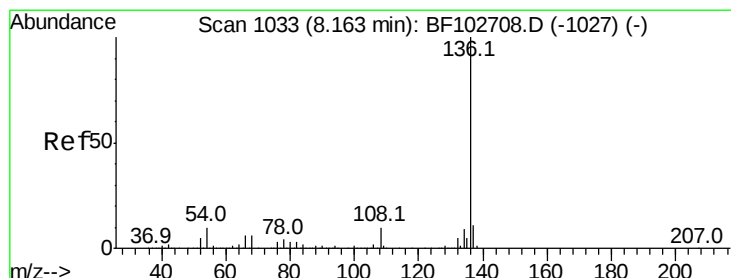
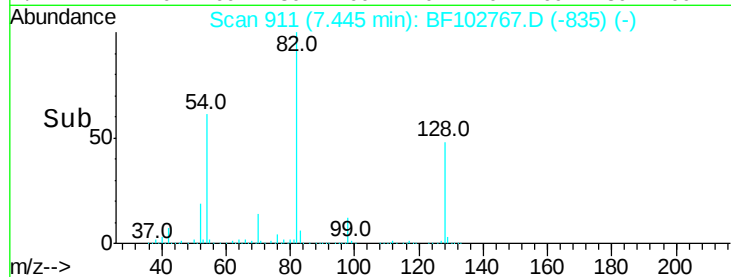
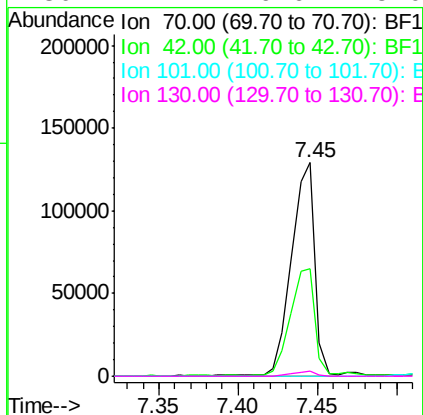
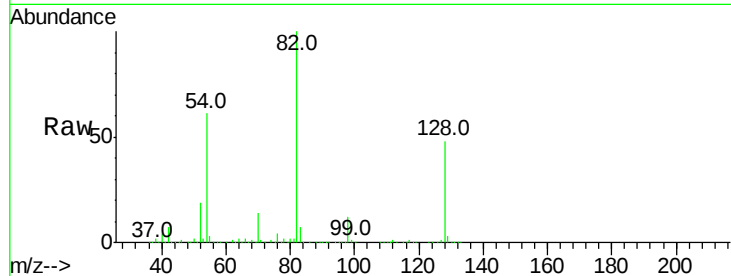
Acq: 6 Feb 2018 5:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	130704
Ion	Ratio	Lower	Upper
70	100		
42	50.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

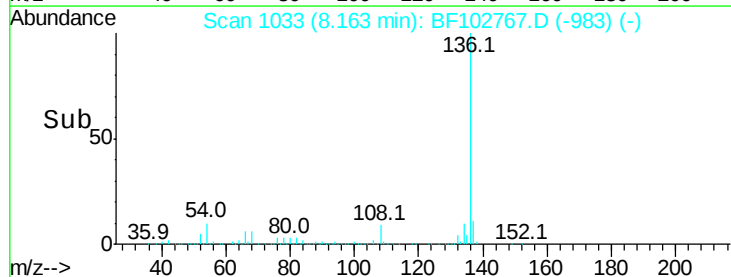
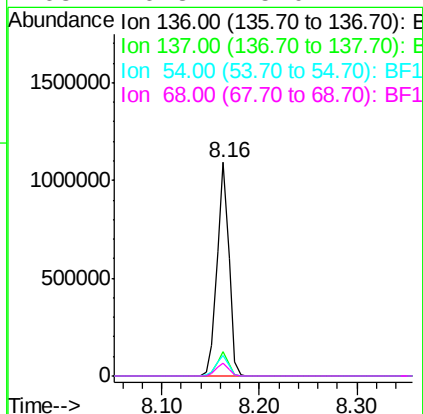
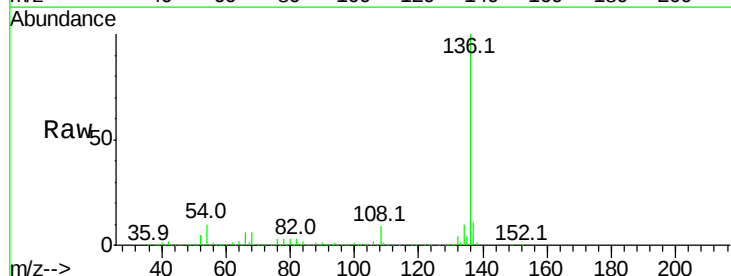
RT: 8.16 min Scan# 1033

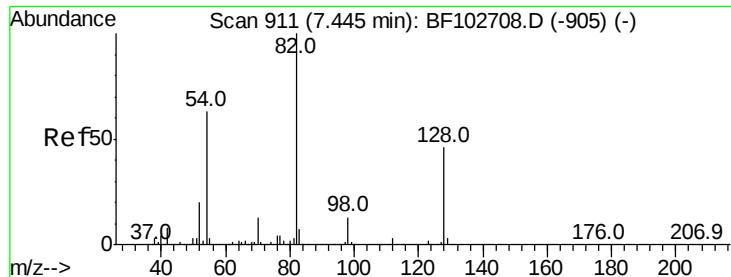
Delta R.T. -0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

Tgt Ion:	136	Resp:	916205
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.8	6.6	9.8
68	6.3	5.0	7.4

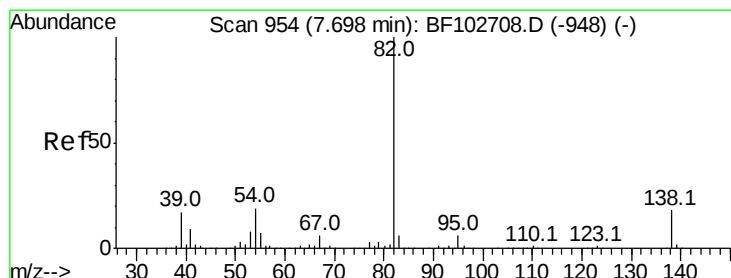
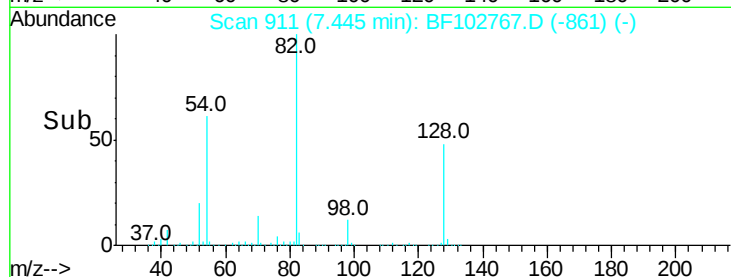
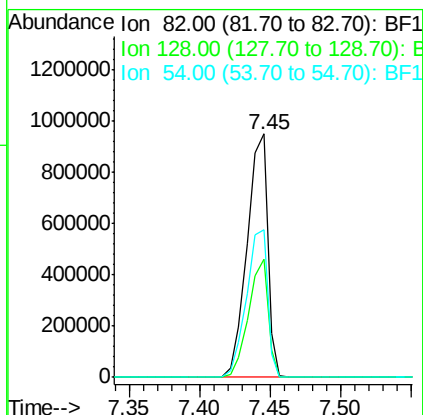
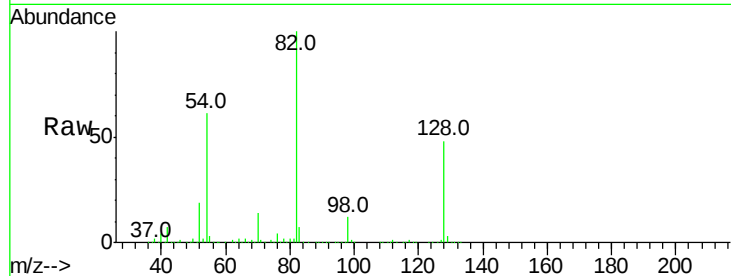




#23
Nitrobenzene-d5
Concen: 73.890 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

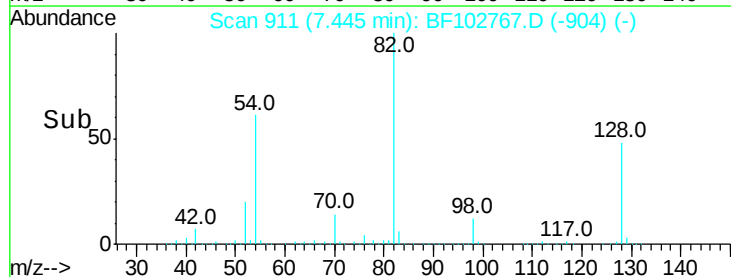
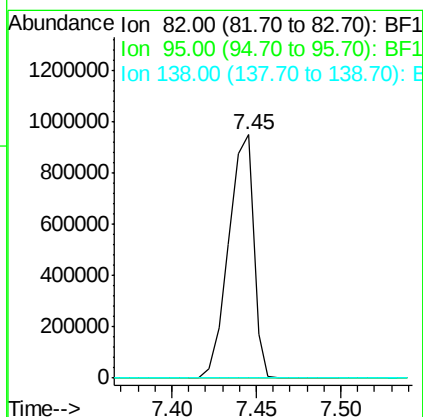
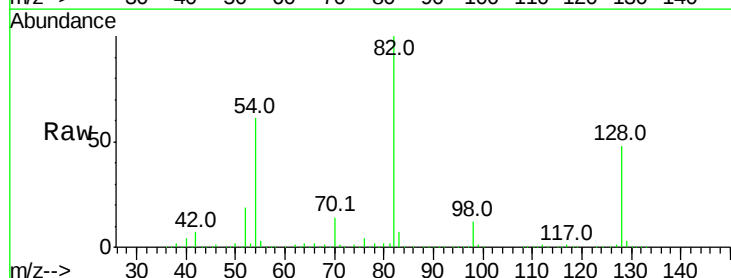
Instrument :
BNA_F
ClientSampleId :

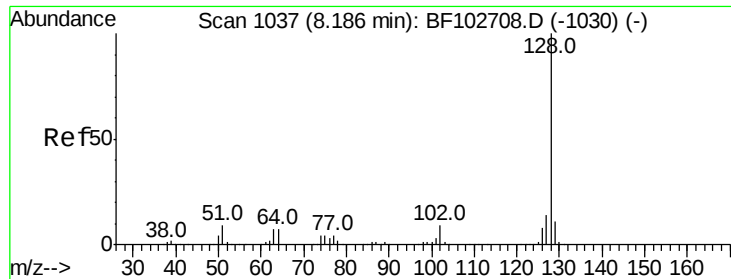
Tot Ion: 82 Resp: 975895
Ion Ratio Lower Upper
82 100
128 48.4 36.1 54.1
54 60.6 41.4 62.2



#25
Isophorone
Concen: 32.020 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Tgt Ion: 82 Resp: 973806
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#

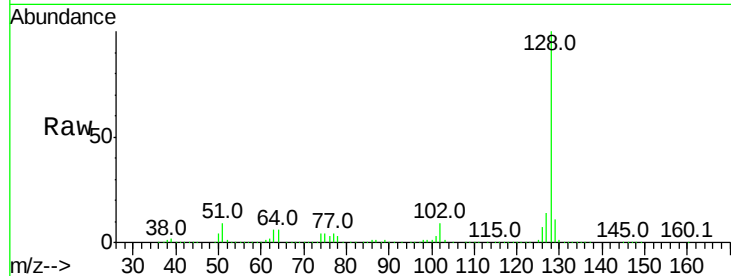




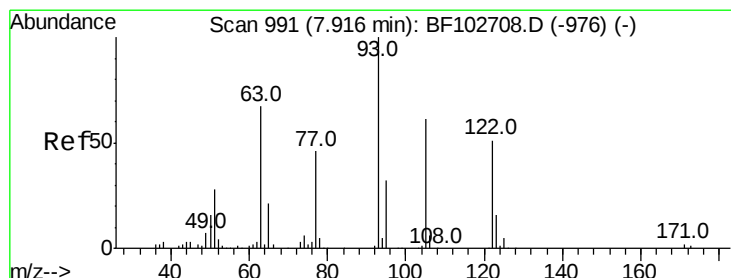
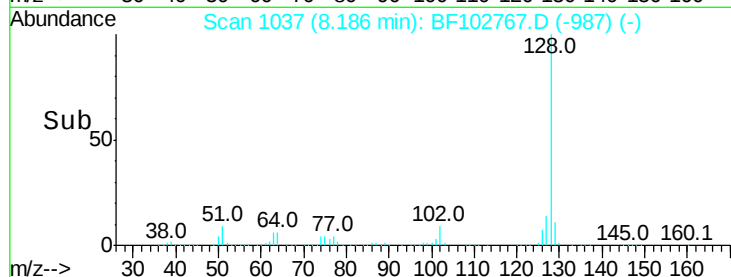
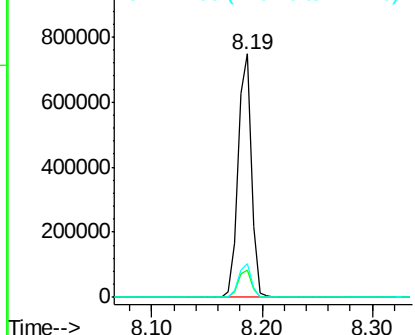
#31
Naphthalene
Concen: 14.277 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 639102
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.7 10.9 16.3

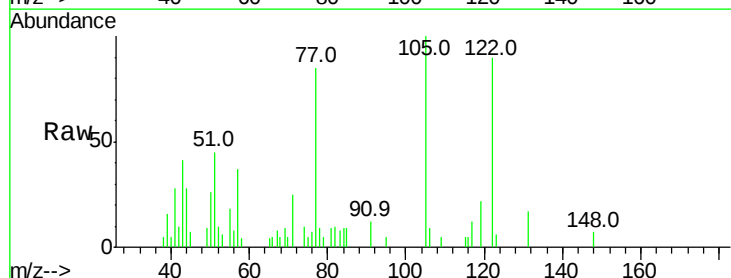


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

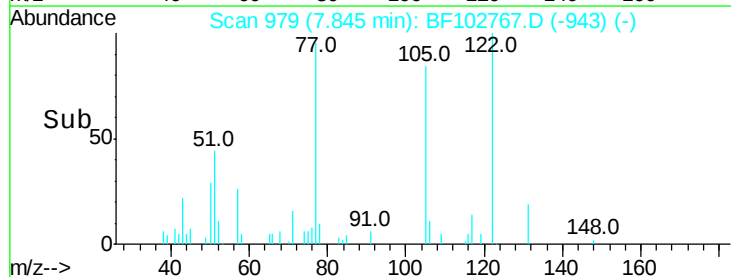
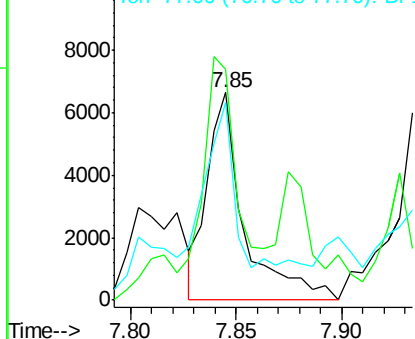


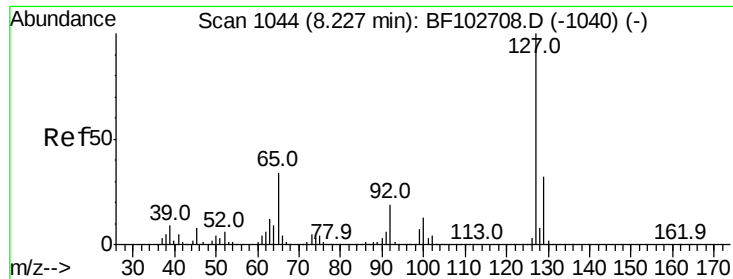
#32
Benzoic acid
Concen: 9.401 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.09 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Tgt Ion:122 Resp: 8068
Ion Ratio Lower Upper
122 100
105 111.5 101.1 141.1
77 95.0 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

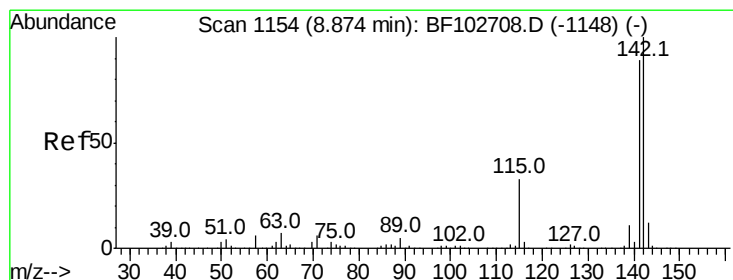
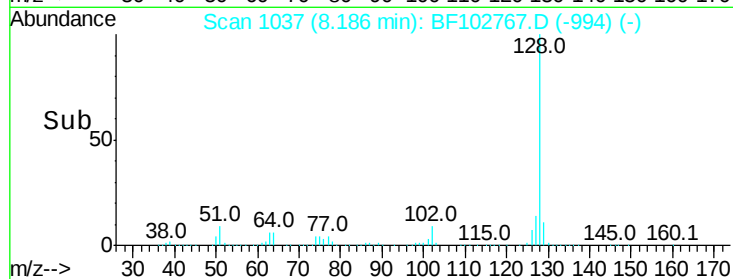
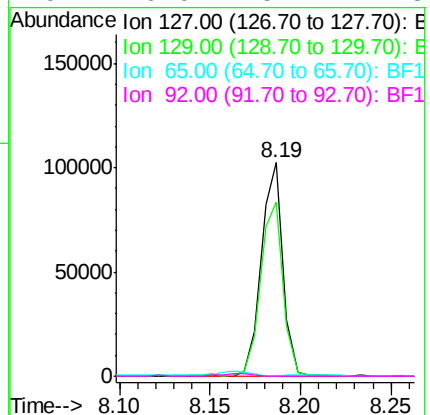
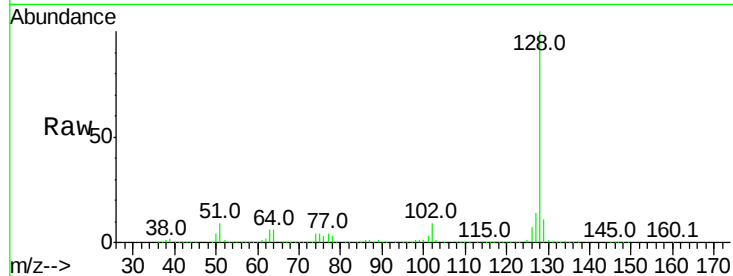




#33
 4-Chloroaniline
 Concen: 4.377 ng
 RT: 8.19 min Scan# 1037
 Delta R.T. -0.05 min
 Lab File: BF102767.D
 Acq: 6 Feb 2018 5:18

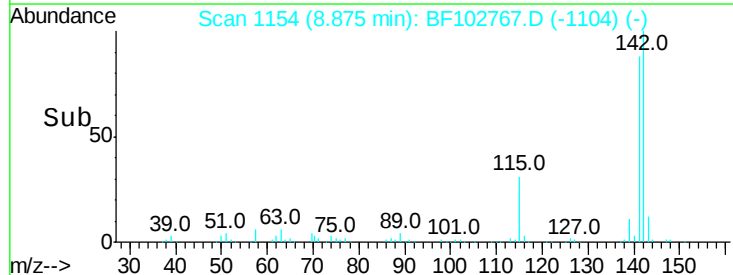
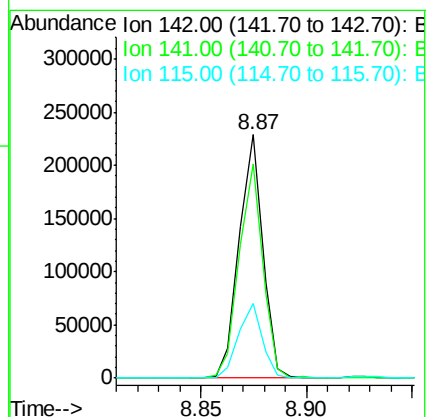
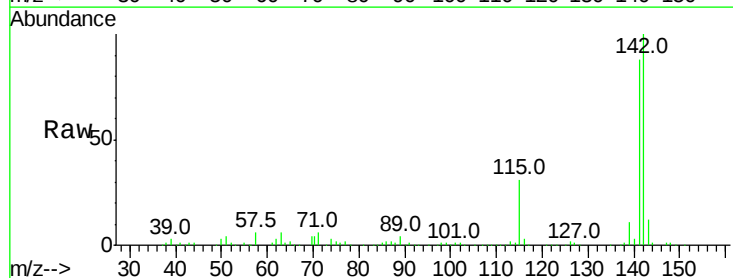
Instrument :
 BNA_F
 ClientSampleId :

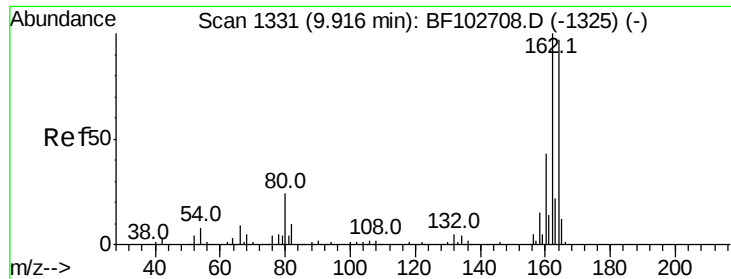
Tot Ion:	127	Resp:	84399
Ion	Ratio	Lower	Upper
127	100		
129	81.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
 2-Methylnaphthalene
 Concen: 6.061 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF102767.D
 Acq: 6 Feb 2018 5:18

Tgt Ion:	142	Resp:	177638
Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.8	106.2
115	30.7	26.1	39.1

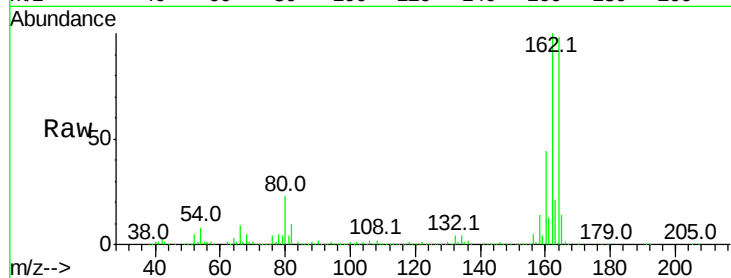




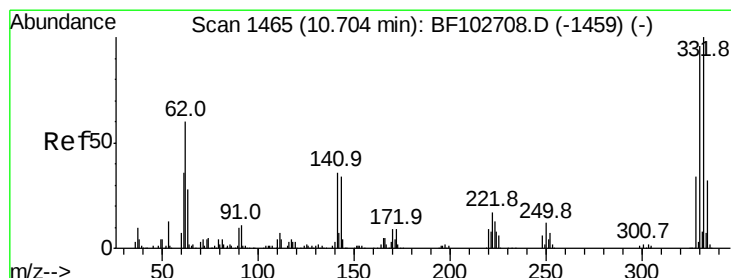
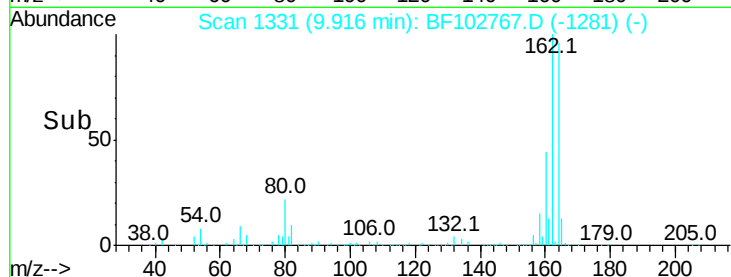
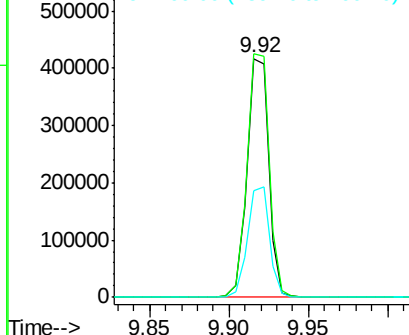
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF102767.D
 Acq: 6 Feb 2018 5:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 395198
 Ion Ratio Lower Upper
 164 100
 162 101.8 86.1 129.1
 160 44.6 38.3 57.5

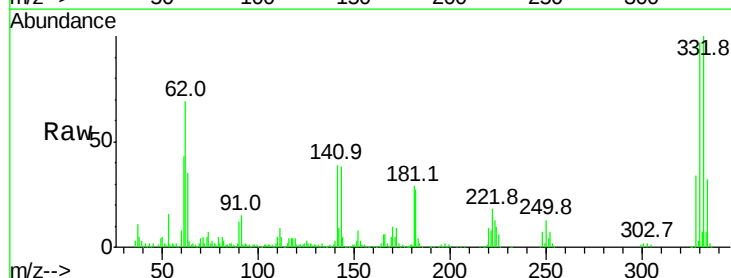


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

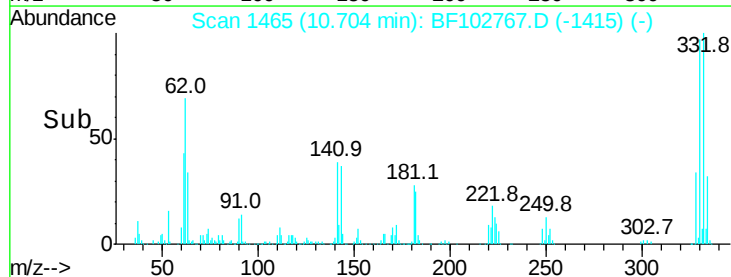
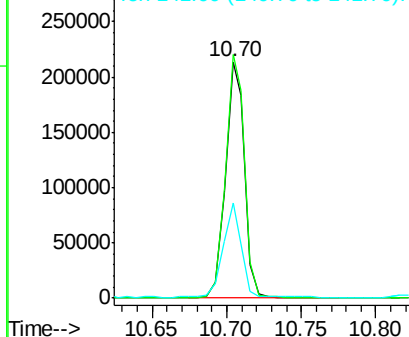


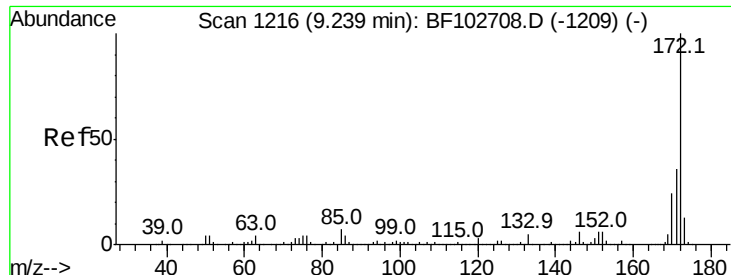
#41
 2,4,6-Tribromophenol
 Concen: 60.486 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102767.D
 Acq: 6 Feb 2018 5:18

Tgt Ion:330 Resp: 192398
 Ion Ratio Lower Upper
 330 100
 332 103.2 77.0 115.6
 141 37.8 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



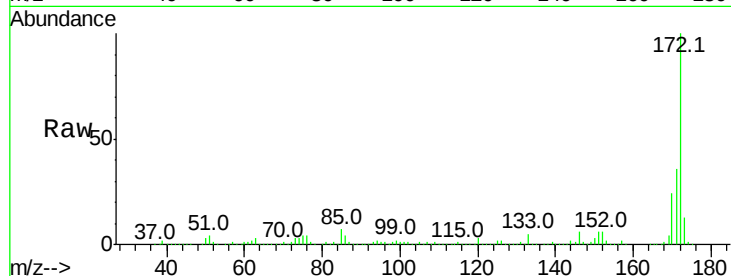


#44
 2-Fluorobiphenyl
 Concen: 54.409 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102767.D
 Acq: 6 Feb 2018 5:18

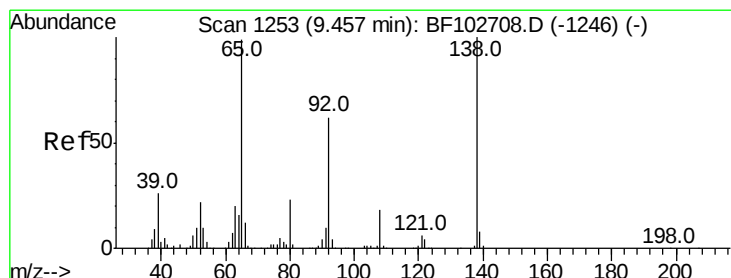
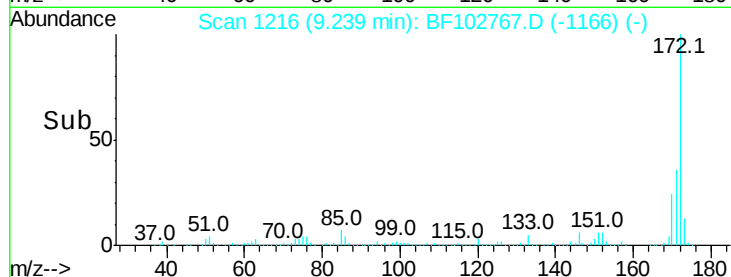
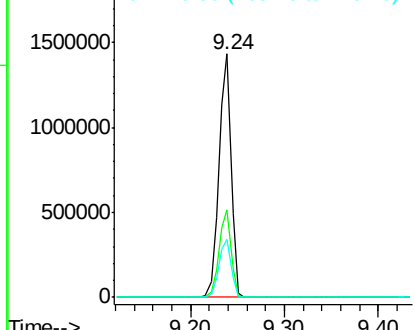
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1295818

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.9	19.6	29.4



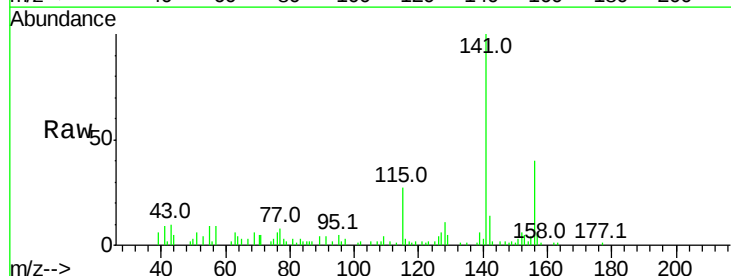
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



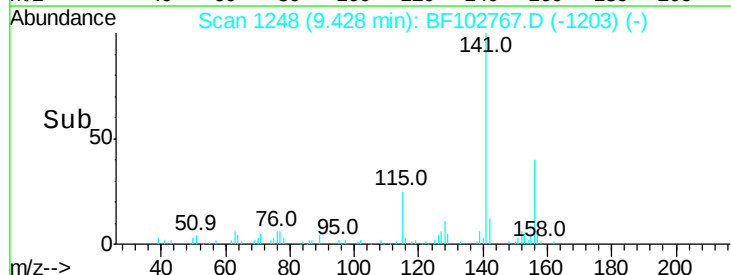
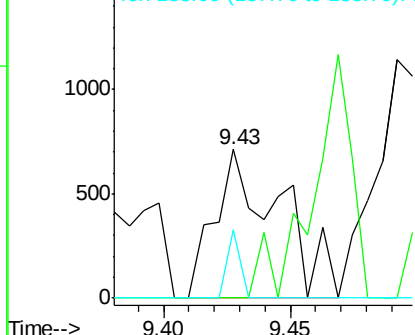
#47
 2-Nitroaniline
 Concen: 3.618 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.04 min
 Lab File: BF102767.D
 Acq: 6 Feb 2018 5:18

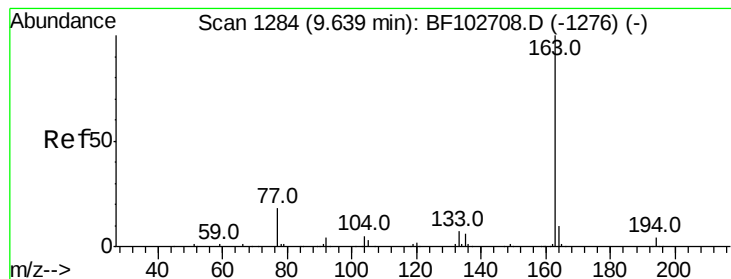
Tgt Ion: 65 Resp: 1273

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	46.1	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





#49

Dimethylphthalate

Concen: 4.754 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

Instrument :

BNA_F

ClientSampleId :

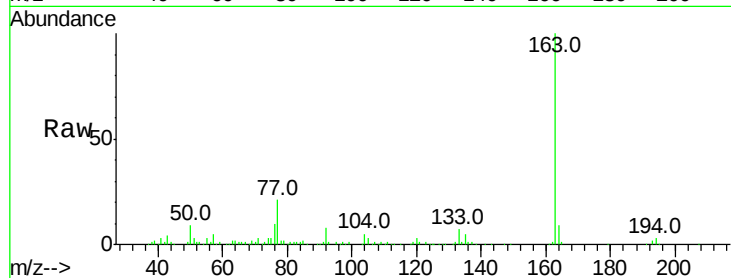
Tot Ion:163 Resp: 146480

Ion Ratio Lower Upper

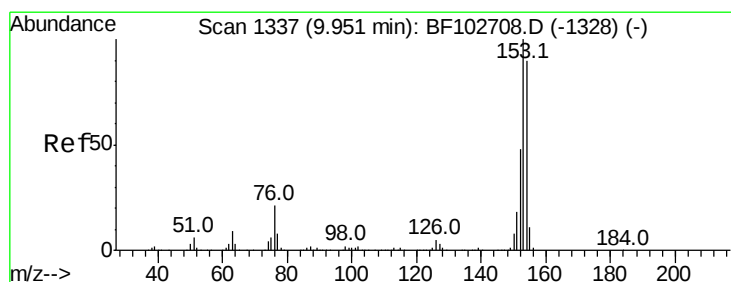
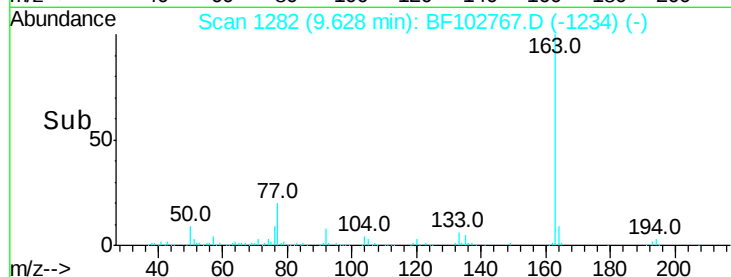
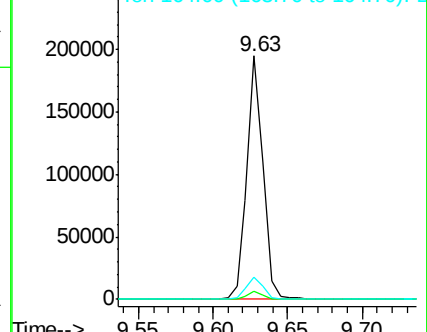
163 100

194 3.2 2.7 4.1

164 9.0 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: 10.617 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

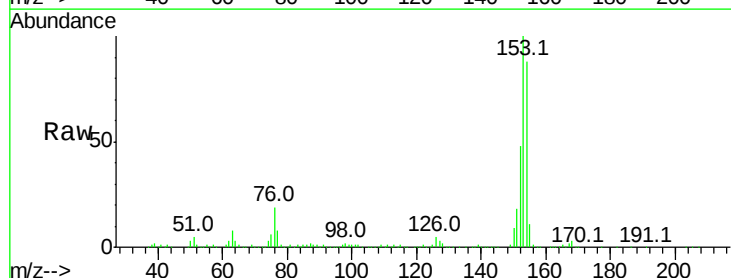
Tgt Ion:154 Resp: 258434

Ion Ratio Lower Upper

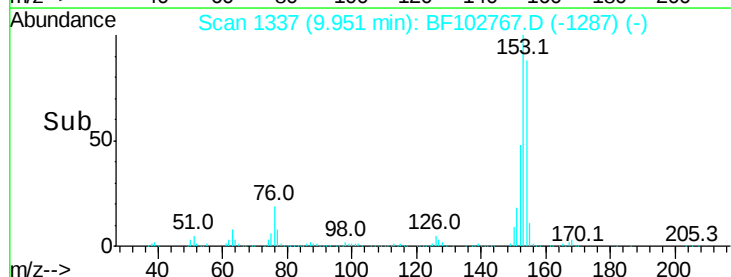
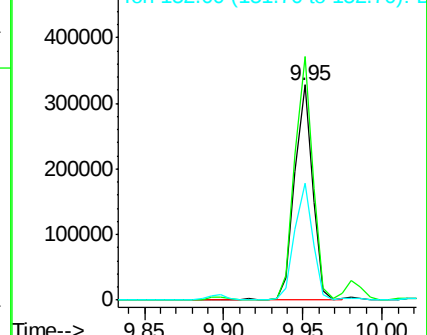
154 100

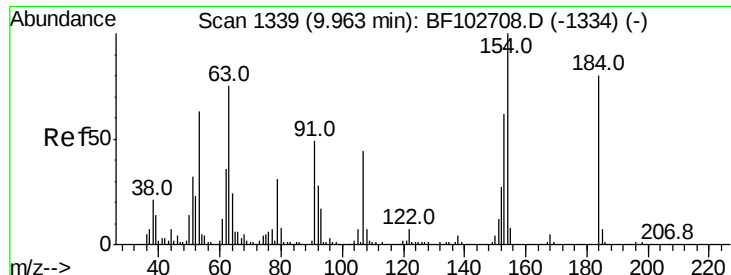
153 113.3 91.2 136.8

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





#53

2,4-Dinitrophenol

Concen: 8.164 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.24 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

Instrument :

BNA_F

ClientSampleId :

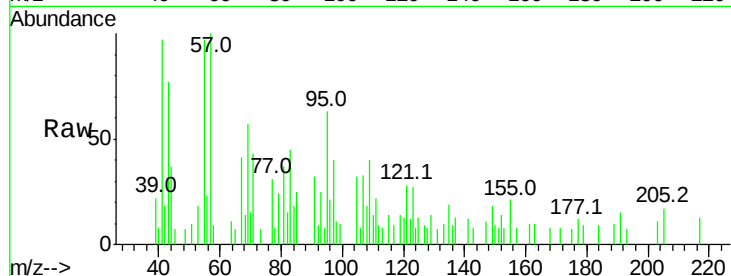
Tot Ion:184 Resp: 252

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

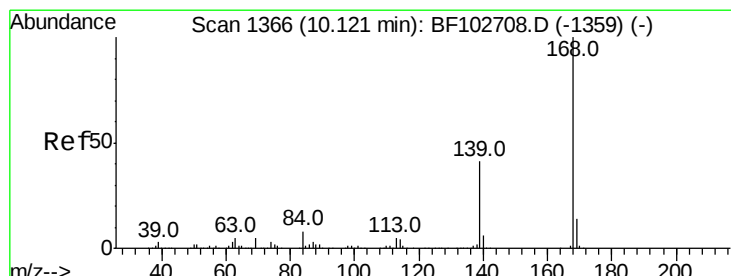
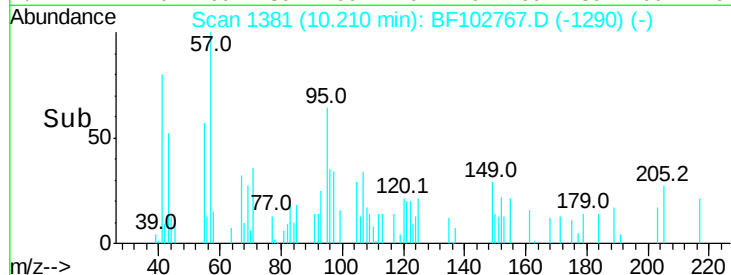
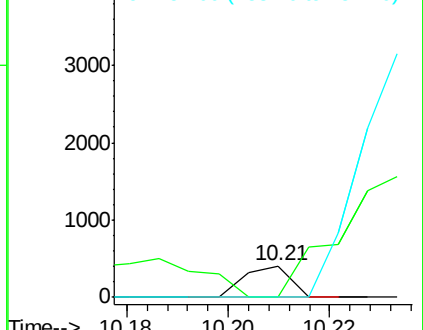
154 0.0 184.0 276.0#



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

Dibenzofuran

Concen: 7.437 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

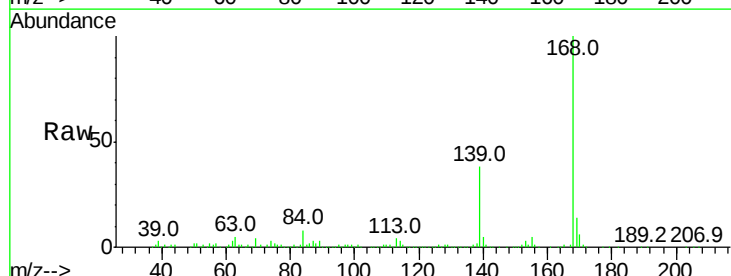
Tgt Ion:168 Resp: 255110

Ion Ratio Lower Upper

168 100

139 37.9 30.1 45.1

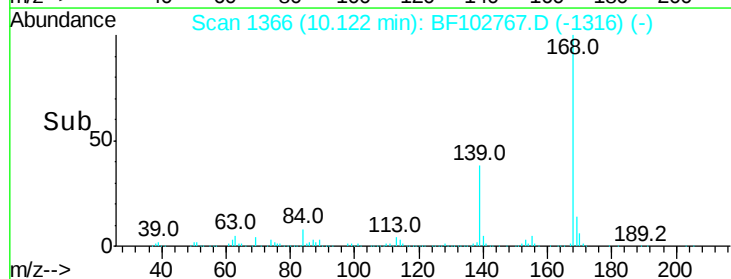
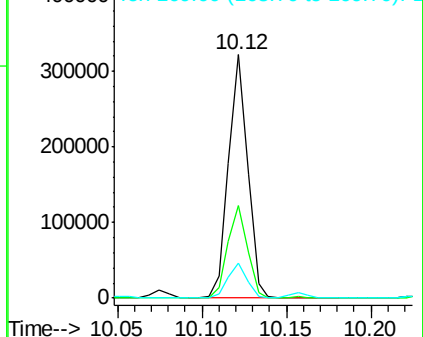
169 14.3 10.9 16.3

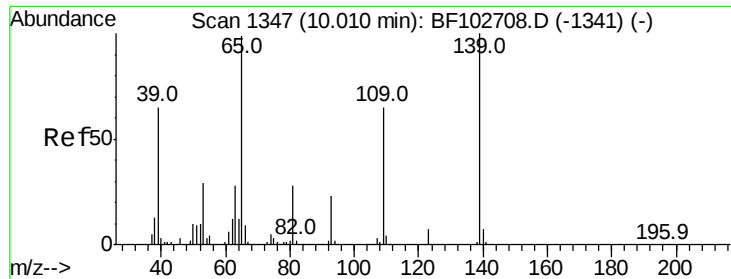


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

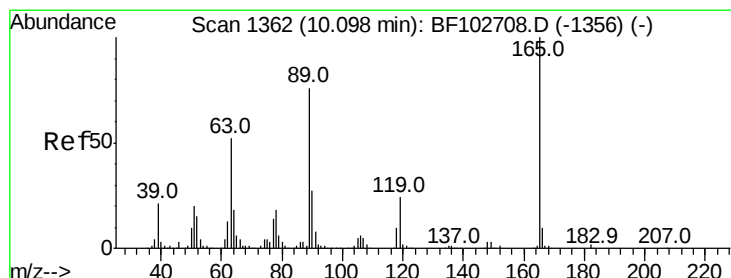
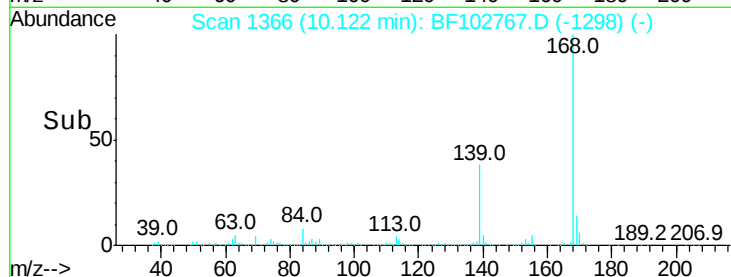
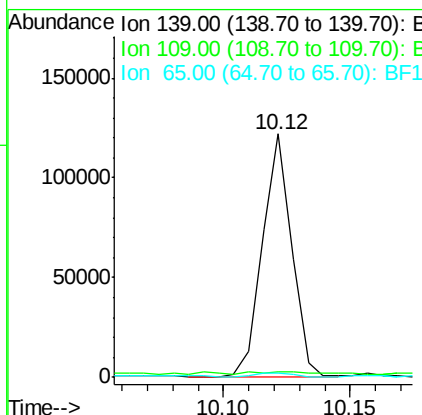
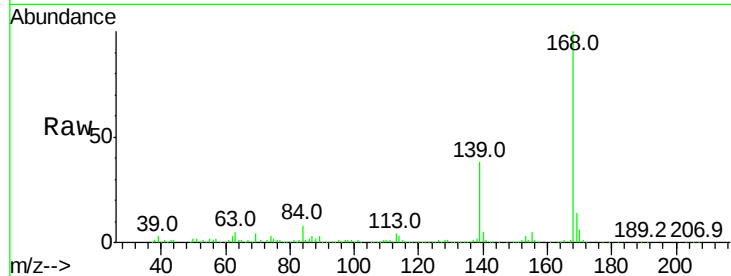




#55
4-Nitrophenol
Concen: 19.858 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

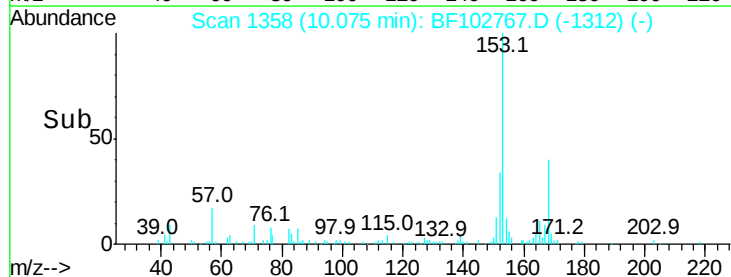
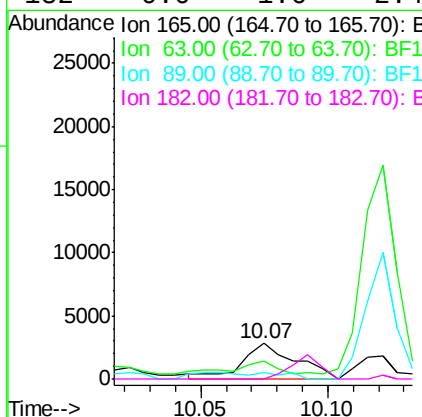
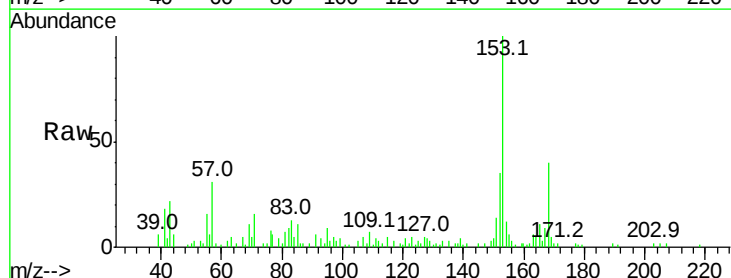
Instrument :
BNA_F
ClientSampleId :

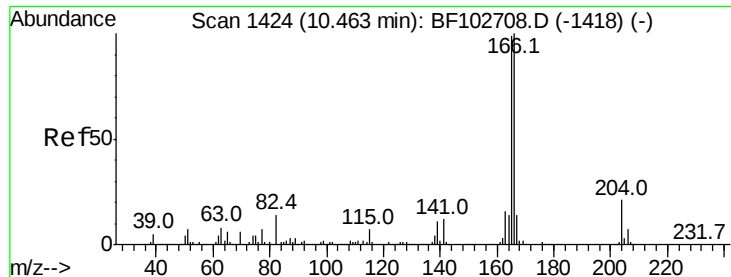
Tot Ion:139 Resp: 98836
Ion Ratio Lower Upper
139 100
109 2.3 48.4 88.4#
65 2.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.565 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.03 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Tgt Ion:165 Resp: 4114
Ion Ratio Lower Upper
165 100
63 50.2 36.4 54.6
89 19.8 57.8 86.6#
182 0.0 1.6 2.4#

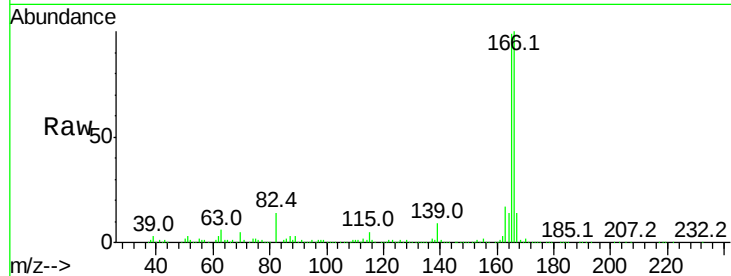




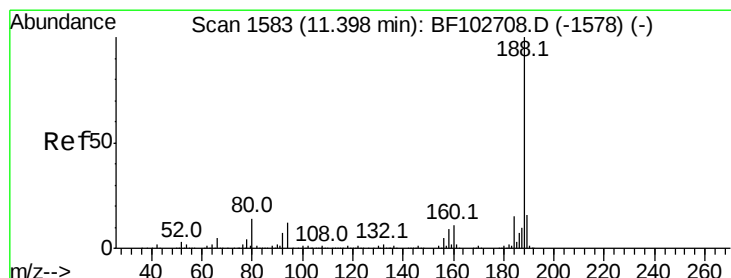
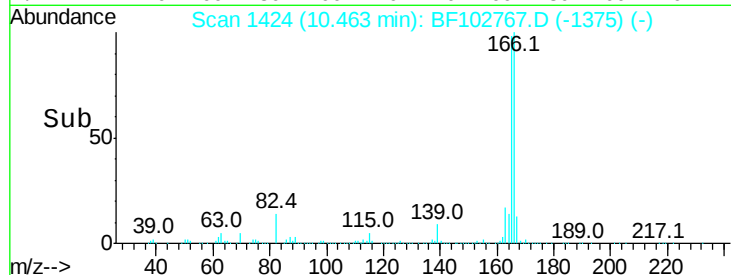
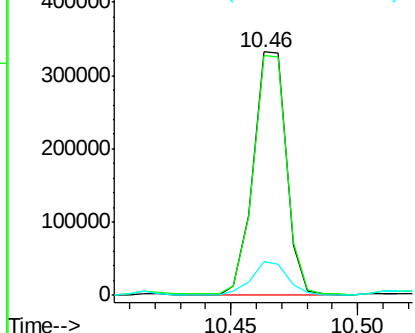
#57
 Fluorene
 Concen: 12.121 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF102767.D
 Acq: 6 Feb 2018 5:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 302515
 Ion Ratio Lower Upper
 166 100
 165 98.5 79.8 119.8
 167 13.7 10.6 16.0

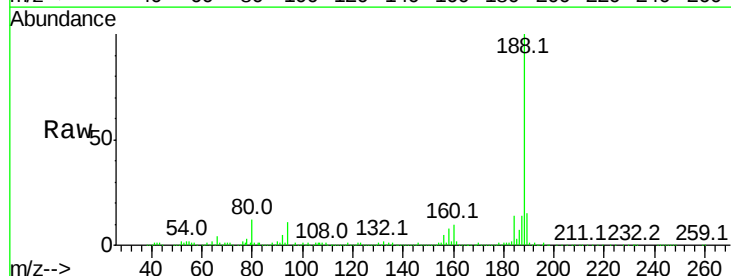


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

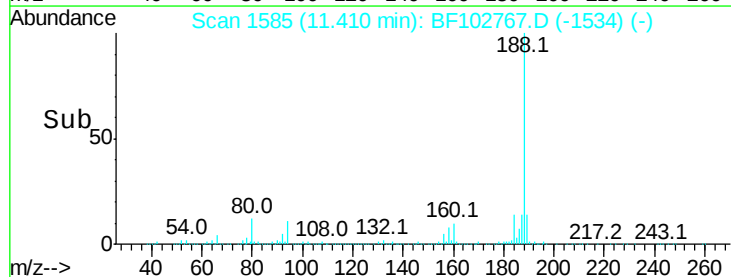
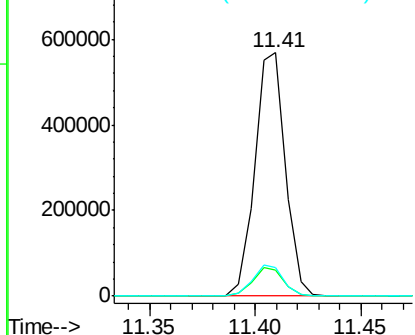


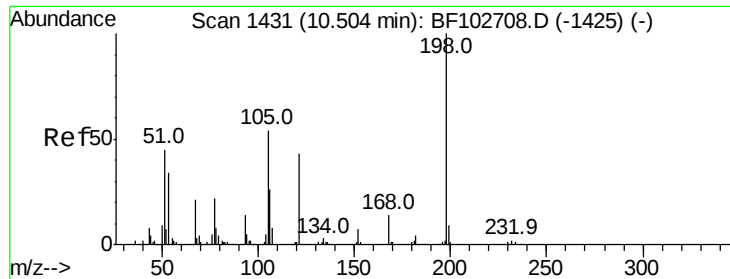
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102767.D
 Acq: 6 Feb 2018 5:18

Tgt Ion:188 Resp: 571168
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.6 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

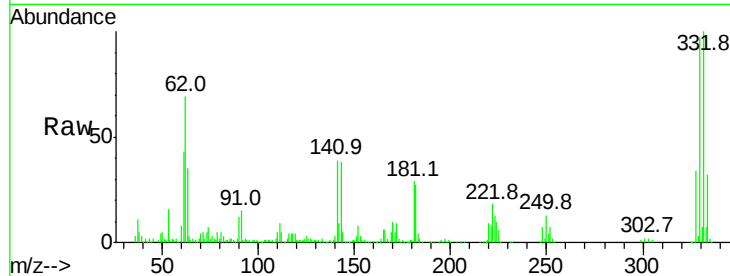




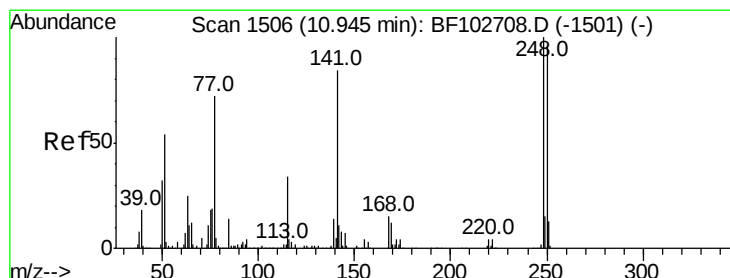
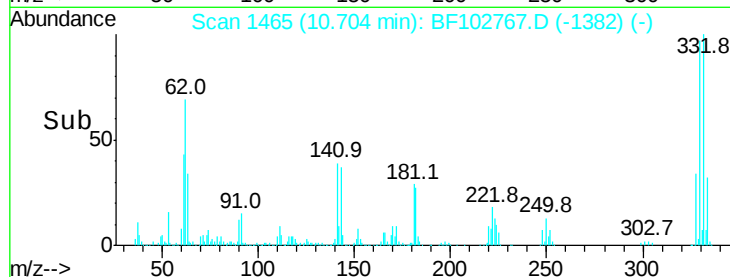
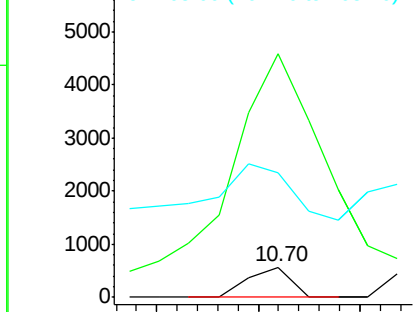
#64
4,6-Dinitro-2-methylphenol
Concen: 8.921 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 330
Ion Ratio Lower Upper
198 100
51 810.2 37.7 77.7#
105 414.0 36.3 76.3#

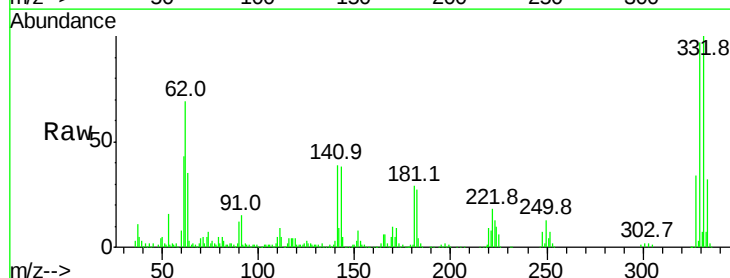


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

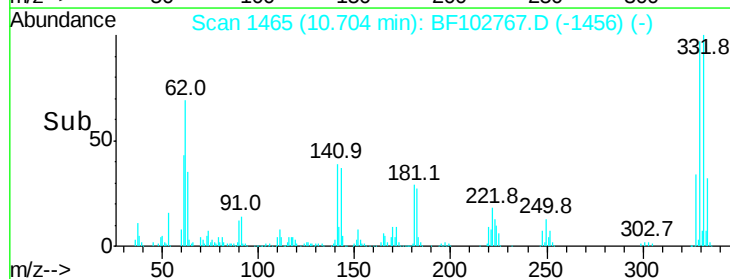
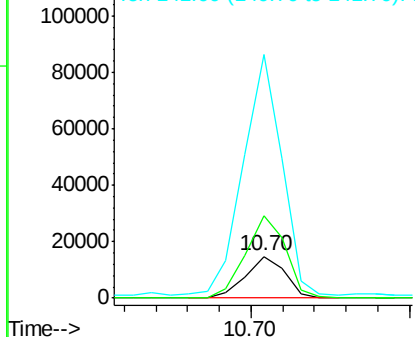


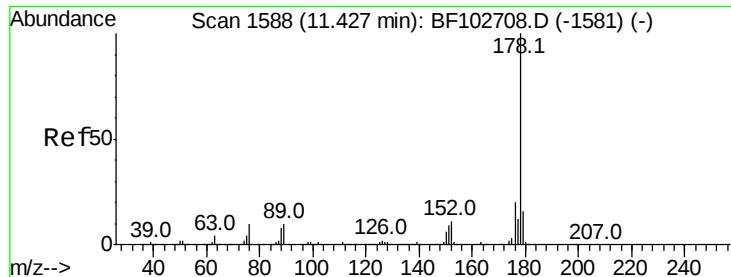
#66
4-Bromophenyl-phenylether
Concen: 2.110 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Tgt Ion:248 Resp: 12749
Ion Ratio Lower Upper
248 100
250 196.9 76.9 115.3#
141 584.9 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: 53.479 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

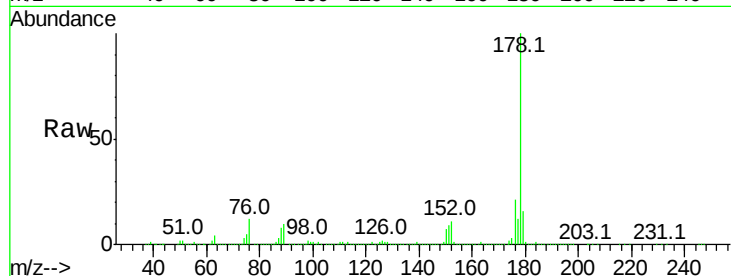
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 1701180

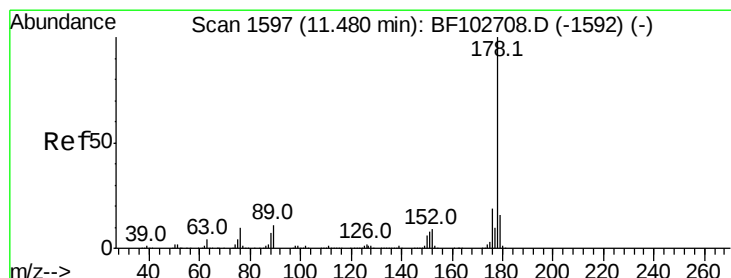
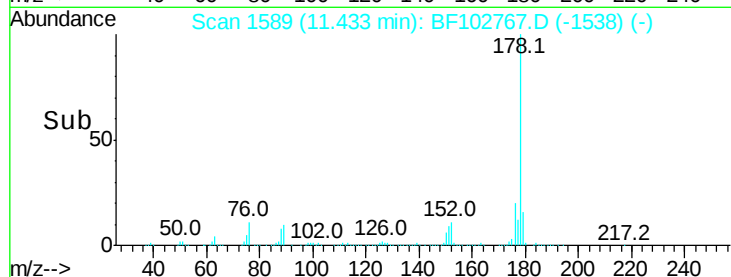
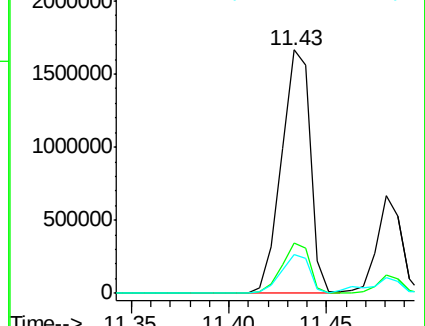
Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	16.1	13.0	19.6



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: 17.387 ng

RT: 11.48 min Scan# 1597

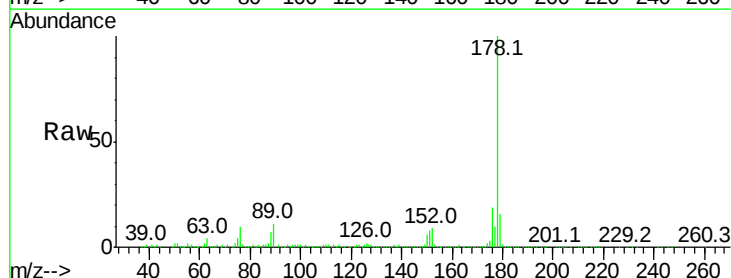
Delta R.T. -0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

Tgt Ion:178 Resp: 562525

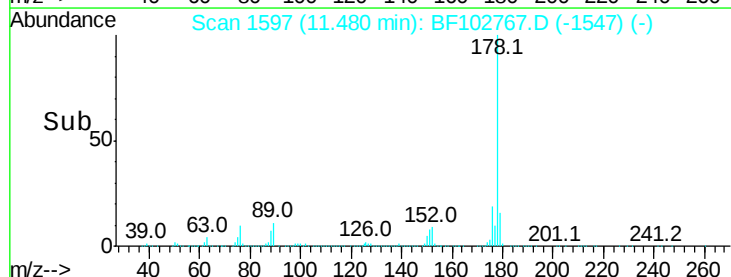
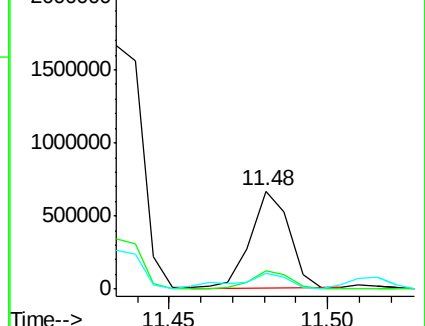
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.8	12.6	19.0

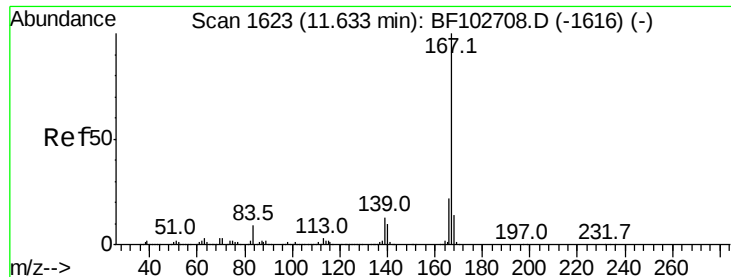


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 8.985 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

Instrument :

BNA_F

ClientSampleId :

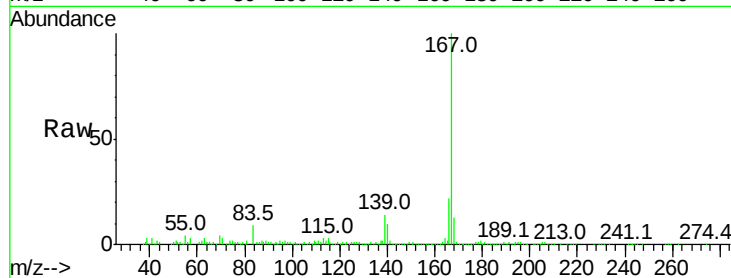
Tot Ion:167 Resp: 284812

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

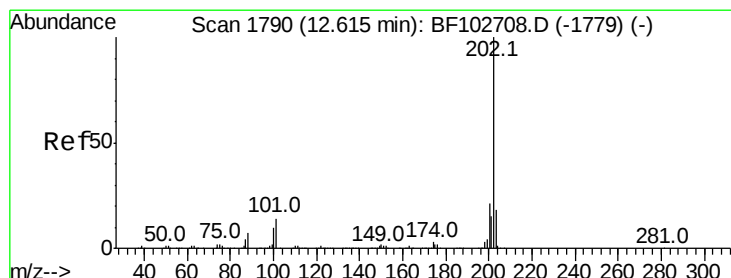
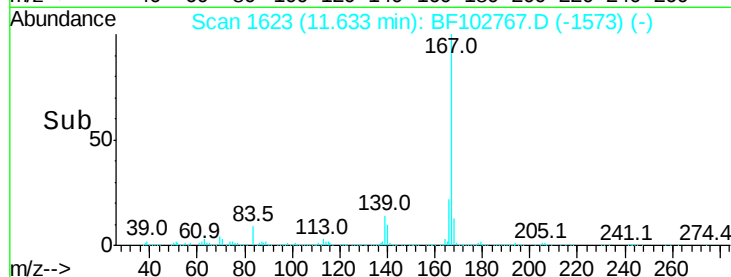
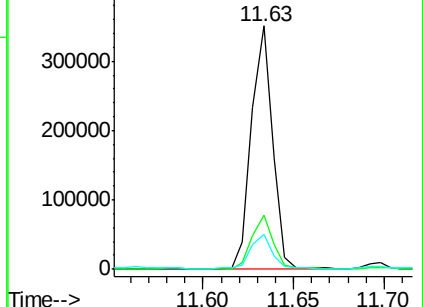
139 14.1 10.9 16.3



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: 44.688 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

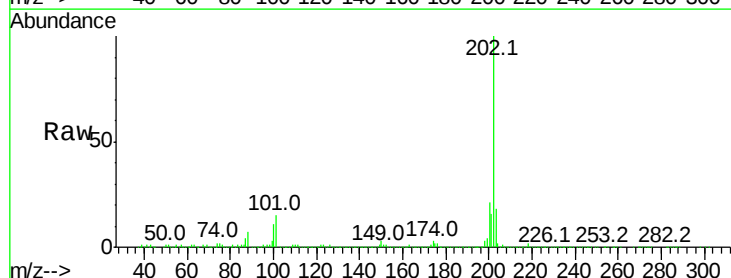
Tgt Ion:202 Resp: 1430229

Ion Ratio Lower Upper

202 100

101 15.3 0.0 34.1

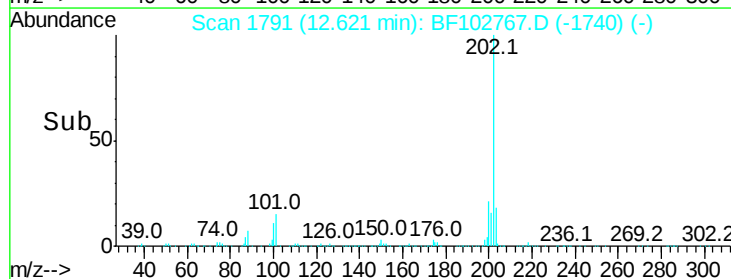
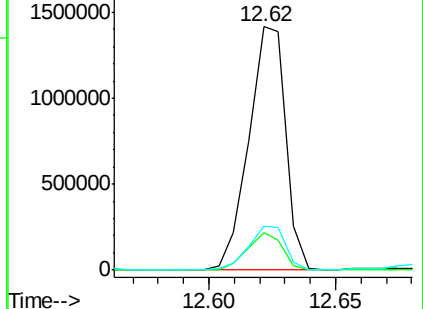
203 18.3 0.0 38.1

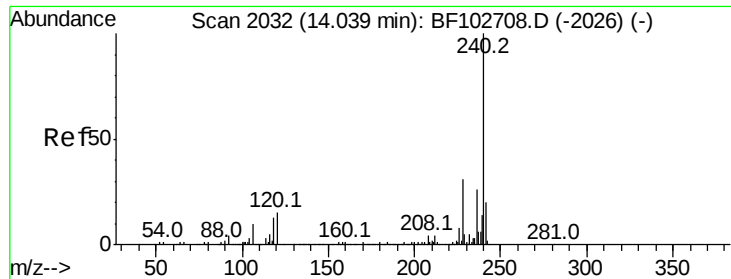


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF102767.D

Acq: 6 Feb 2018 5:18

Instrument :

BNA_F

ClientSampleId :

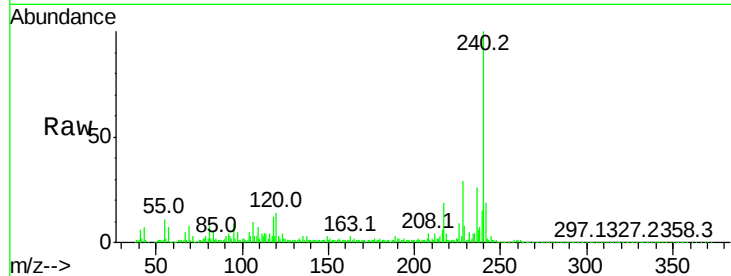
Tot Ion:240 Resp: 338511

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

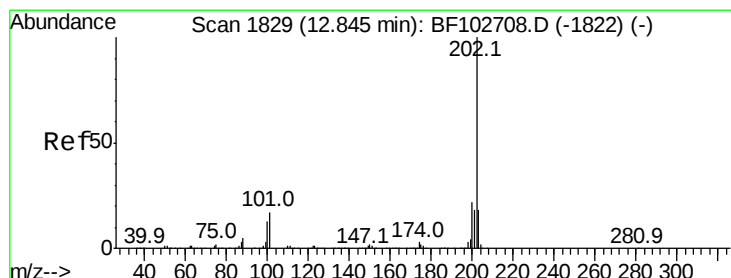
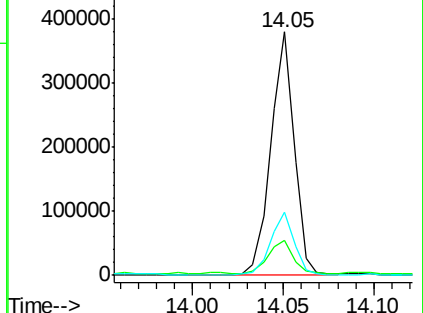
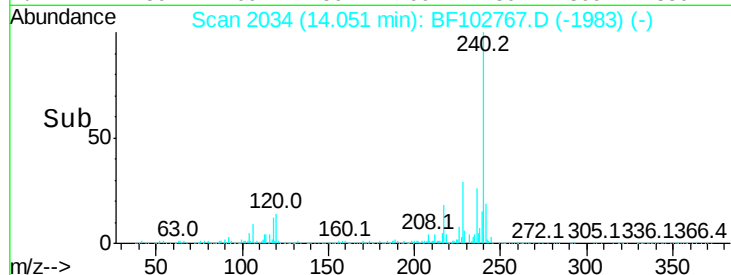
236 26.2 20.7 31.1



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: 46.006 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

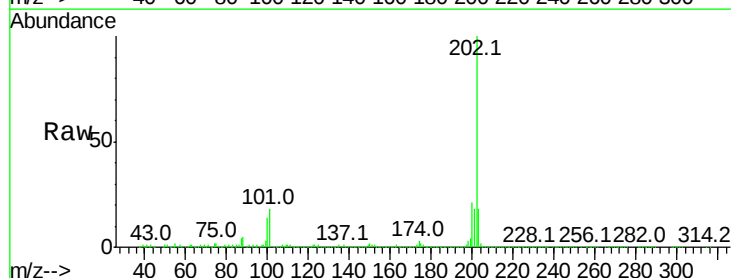
Tgt Ion:202 Resp: 1221207

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

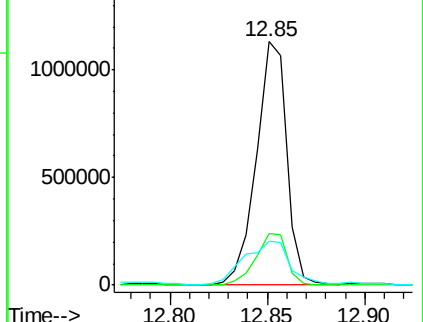
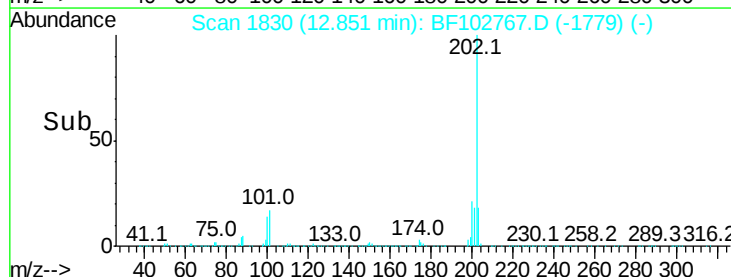
203 18.2 14.3 21.5

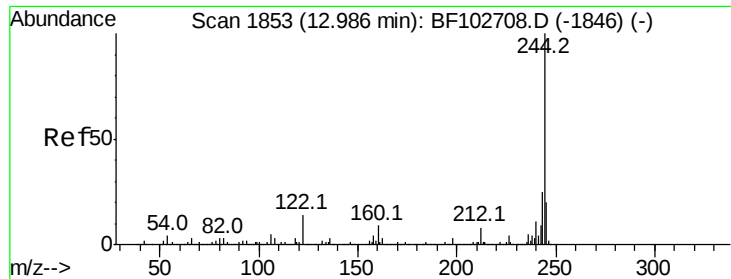


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.242 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

Instrument :

BNA_F

ClientSampleId :

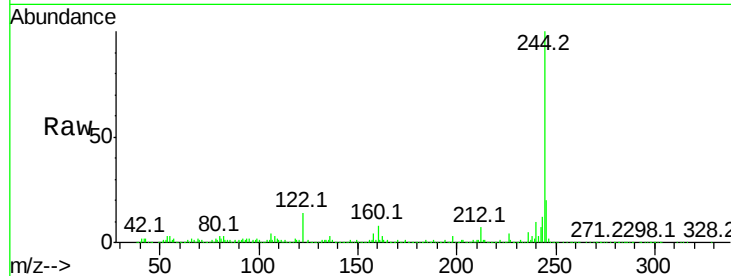
Tot Ion:244 Resp: 804068

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

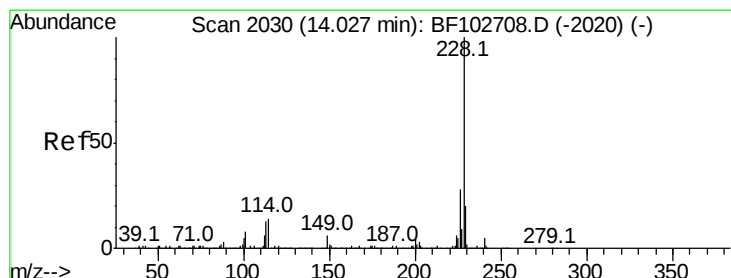
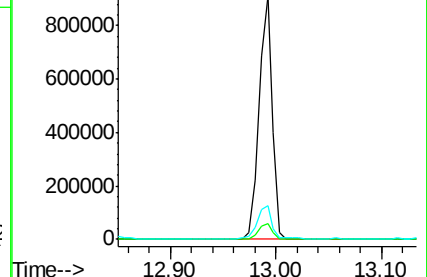
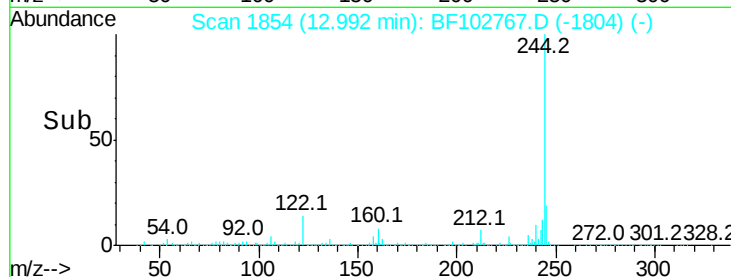
122 13.9 11.0 16.4



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: 31.793 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

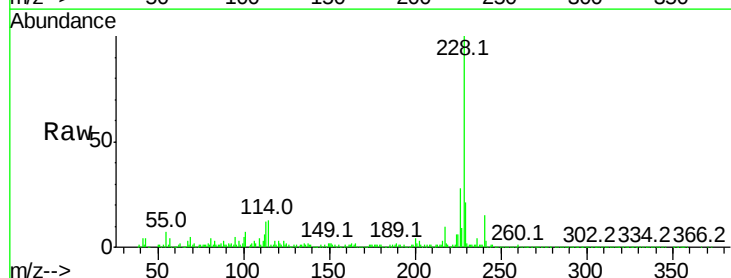
Tgt Ion:228 Resp: 676850

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

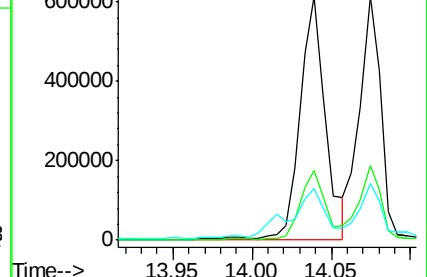
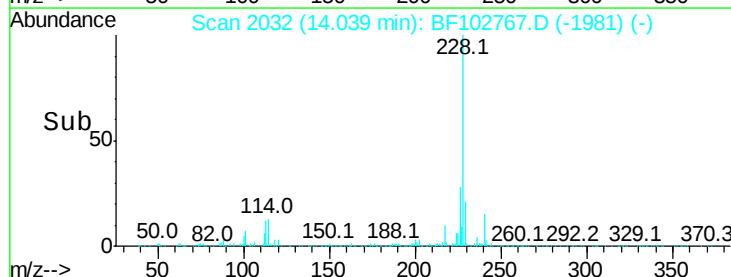
229 21.3 15.8 23.6

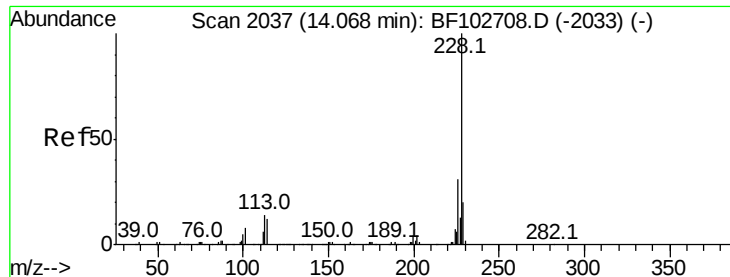


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 26.784 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

Instrument :

BNA_F

ClientSampleId :

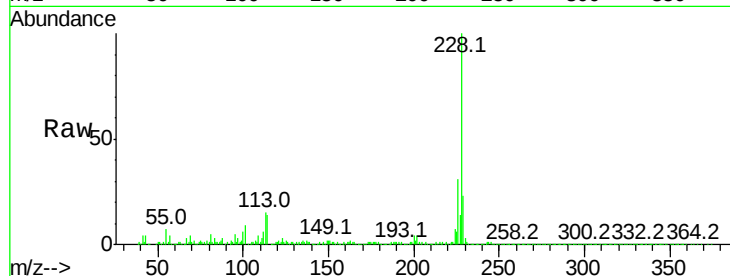
Tot Ion:228 Resp: 574799

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

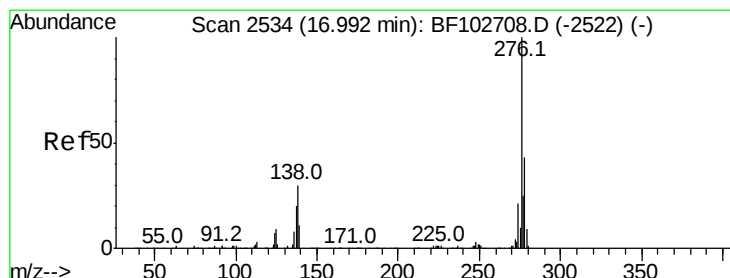
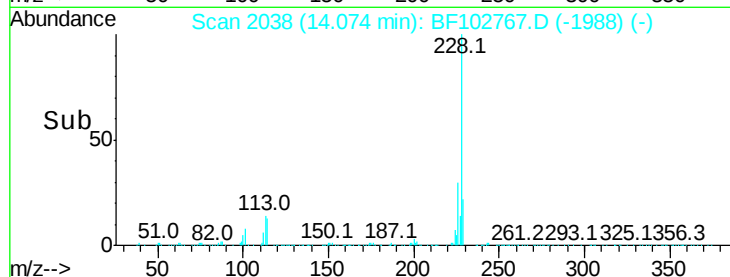
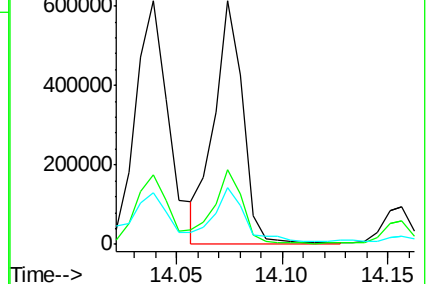
229 23.2 16.2 24.4



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: 14.698 ng

RT: 17.02 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

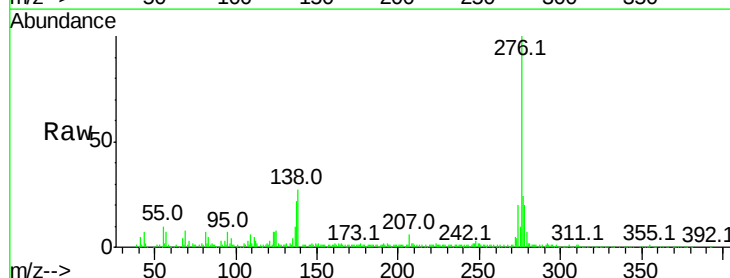
Tgt Ion:276 Resp: 261602

Ion Ratio Lower Upper

276 100

138 26.3 25.0 37.6

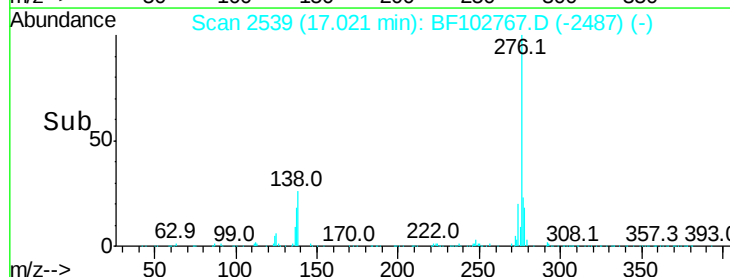
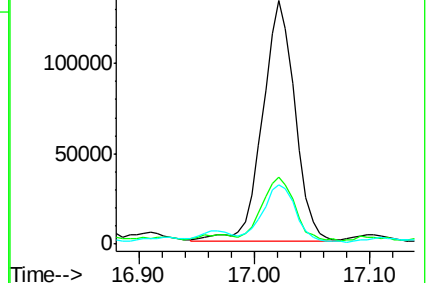
277 24.2 20.1 30.1

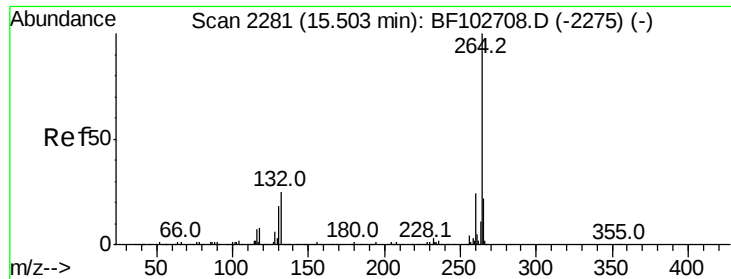


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

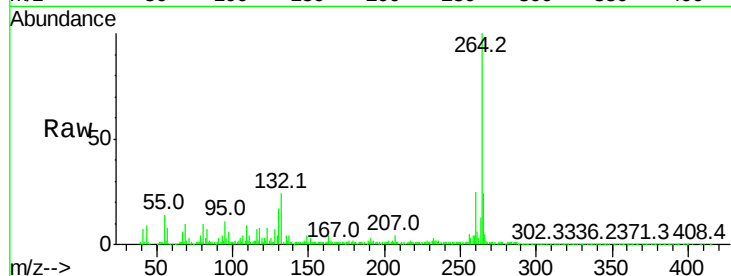




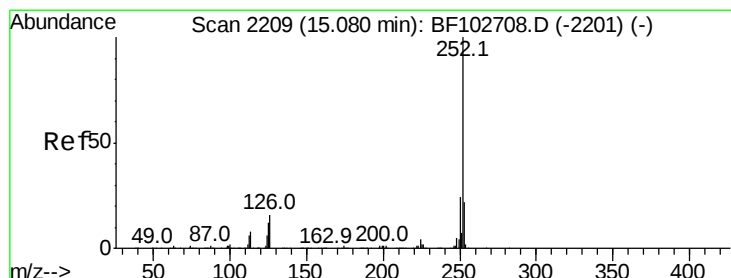
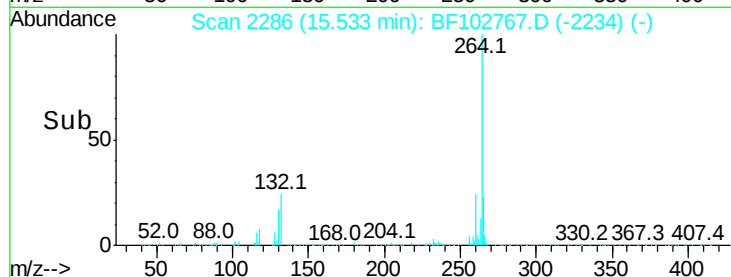
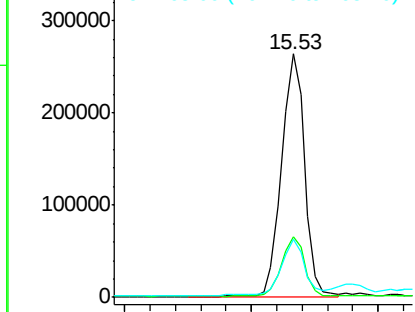
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 334648
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 24.0 17.5 26.3

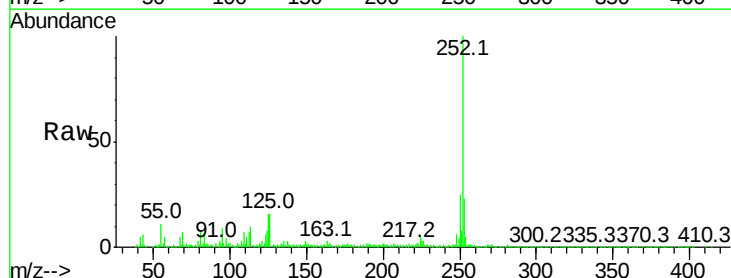


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

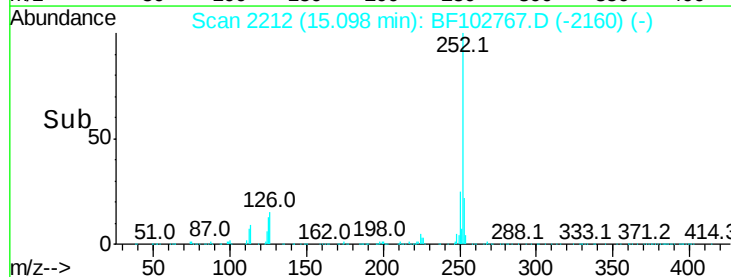
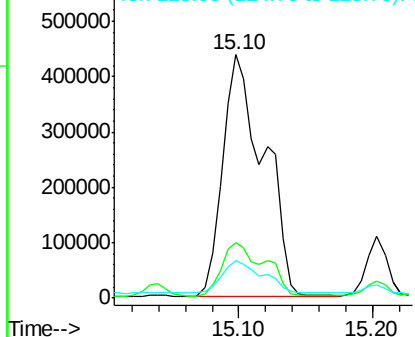


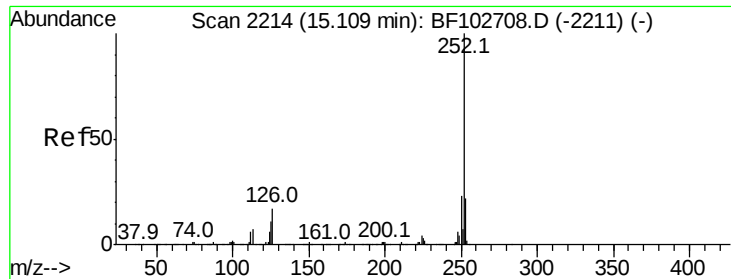
#87
Benzo(b)fluoranthene
Concen: 43.415 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Tgt Ion:252 Resp: 941949
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 15.5 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

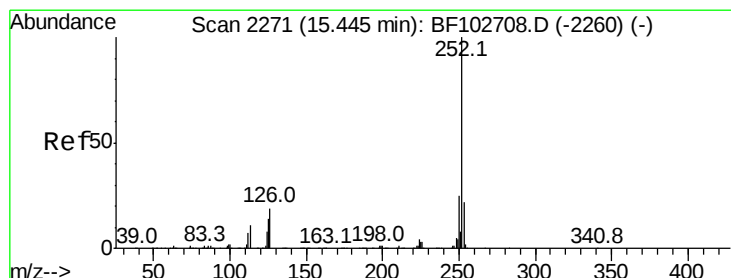
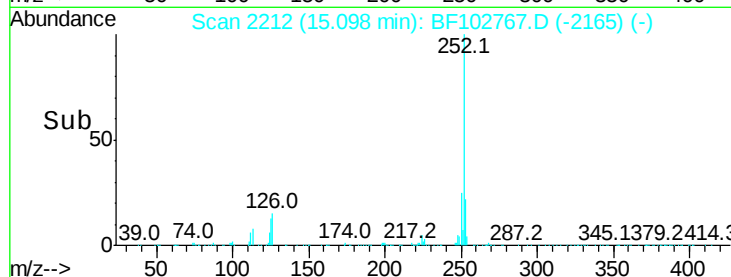
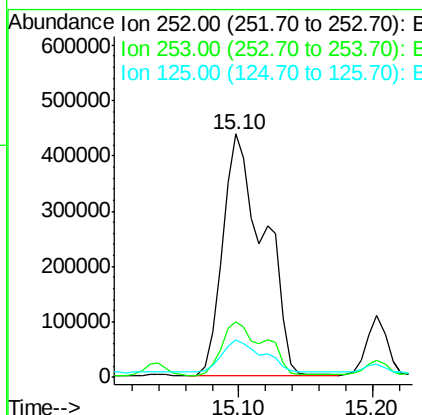
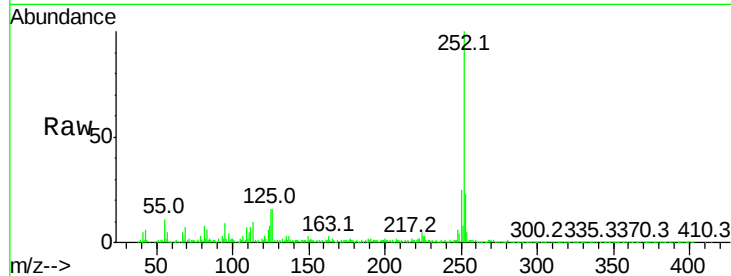




#88
Benzo(k)fluoranthene
Concen: 45.437 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

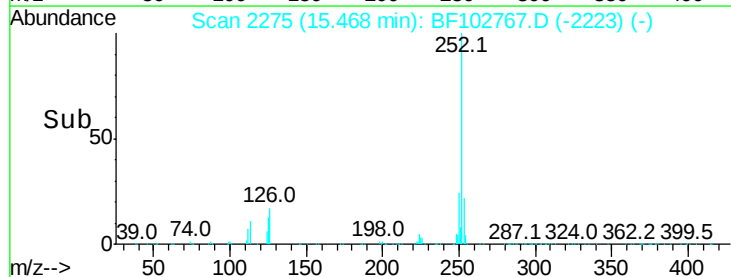
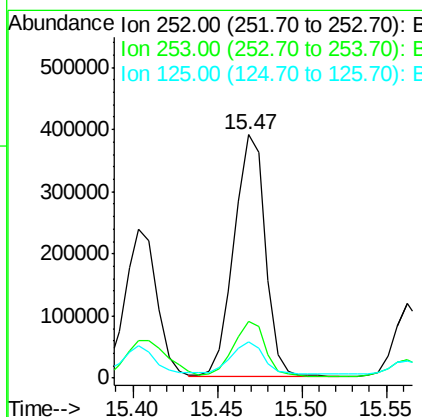
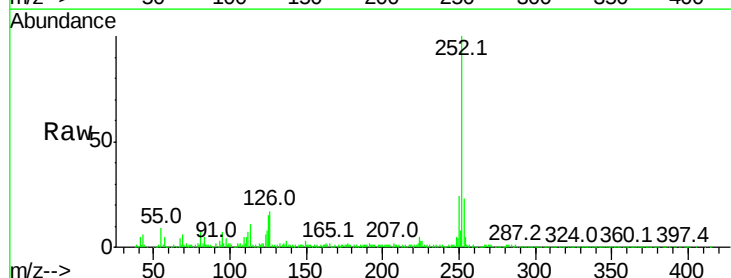
Instrument :
BNA_F
ClientSampleId :

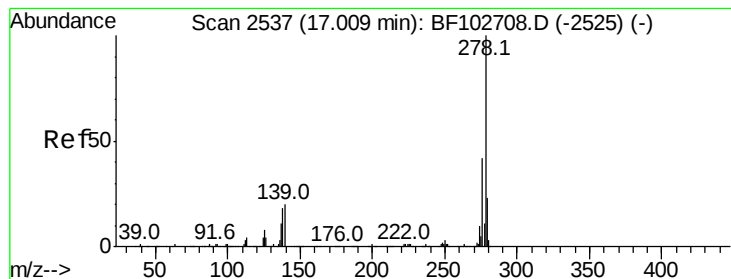
Tot Ion:252 Resp: 941949
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 15.5 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 25.853 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF102767.D
Acq: 6 Feb 2018 5:18

Tgt Ion:252 Resp: 504886
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 15.0 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 4.374 ng

RT: 17.03 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

Instrument :

BNA_F

ClientSampleId :

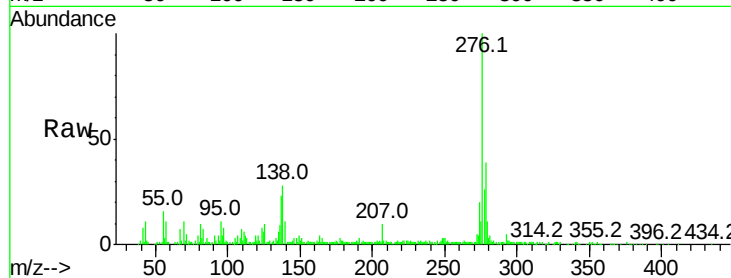
Tot Ion:278 Resp: 69341

Ion Ratio Lower Upper

278 100

139 28.0 15.9 23.9#

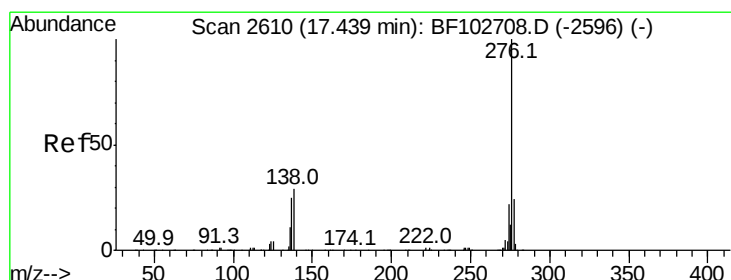
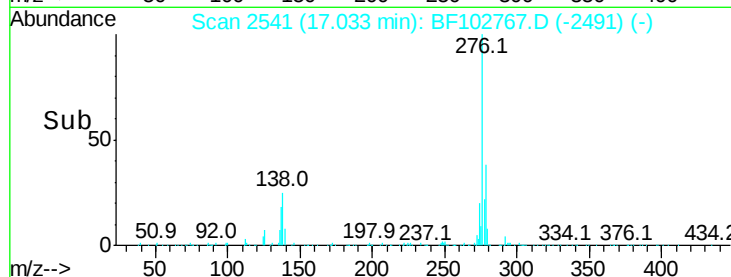
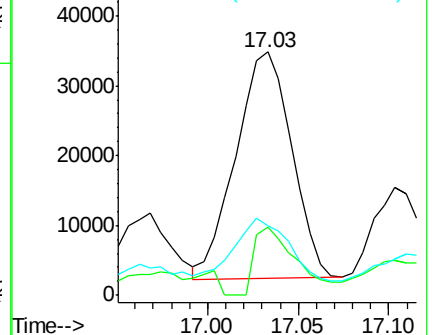
279 28.3 19.0 28.4



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: 14.524 ng

RT: 17.47 min Scan# 2616

Delta R.T. 0.00 min

Lab File: BF102767.D

Acq: 6 Feb 2018 5:18

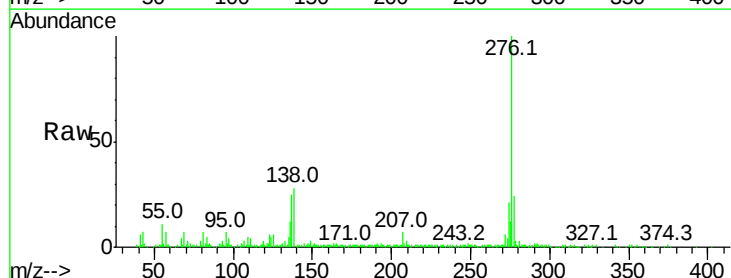
Tgt Ion:276 Resp: 225340

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 27.7 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

