

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102999.D
 Acq On : 14 Feb 2018 19:40
 Operator : SJ/JU
 Sample : J1539-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 00:08:33 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 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	170855	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	678532	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	248094	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	362489	20.00	ng	0.01
75) Chrysene-d12	14.07	240	211766	20.00	ng	0.03
86) Perylene-d12	15.56	264	199820	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1027949	91.37	ng	0.01
7) Phenol-d6	6.51	99	1228267	90.67	ng	0.01
23) Nitrobenzene-d5	7.44	82	752295	76.91	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	169683	84.97	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	974869	65.20	ng	0.00
78) Terphenyl-d14	13.00	244	623780	69.75	ng	0.01

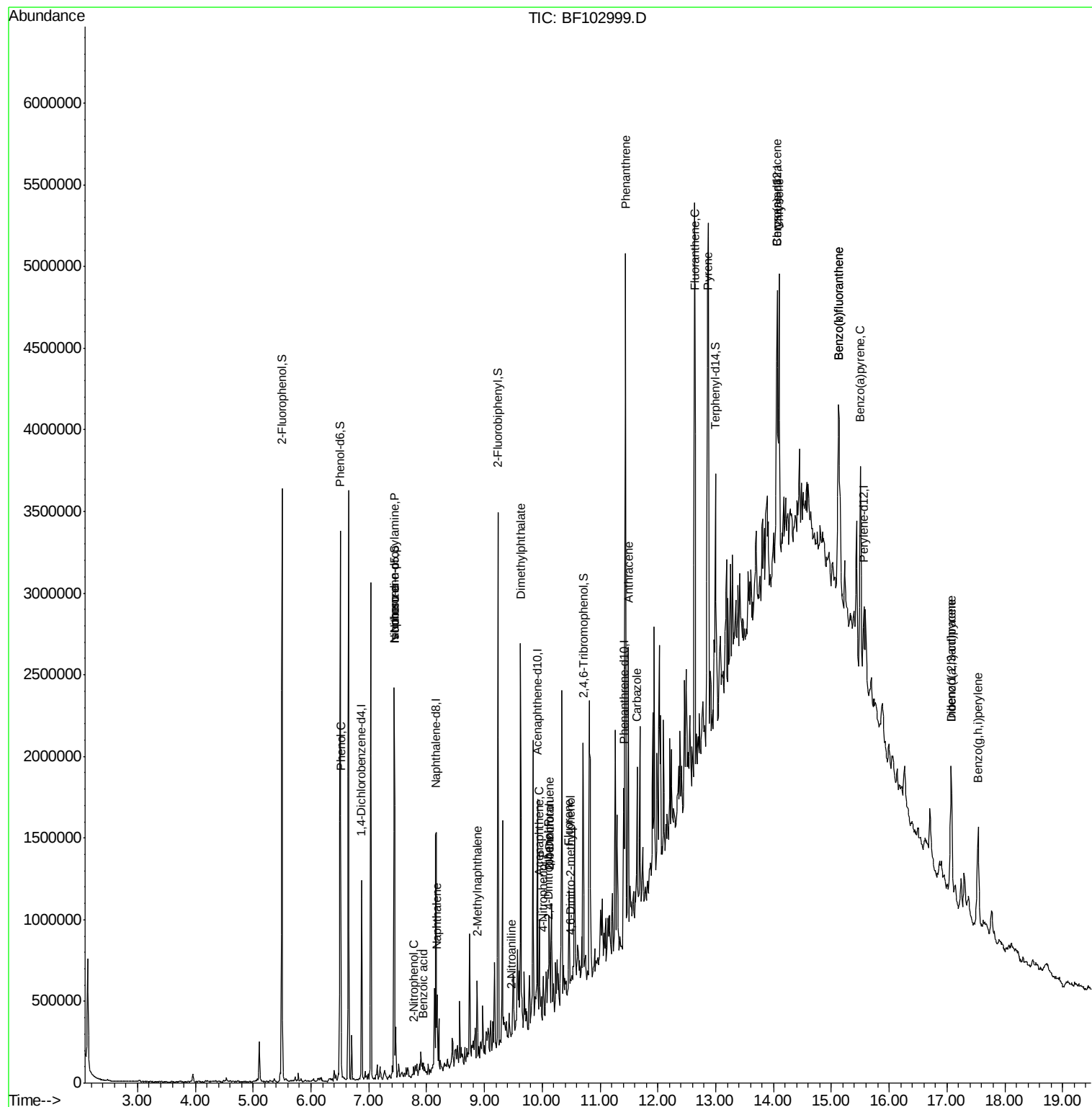
Target Compounds				Qvalue		
10) Phenol	6.52	94	38558	2.66	ng	99
19) n-Nitroso-di-n-propylamine	7.44	70	94695	10.60	ng	# 83
25) Isophorone	7.44	82	752633	33.42	ng	# 64
26) 2-Nitrophenol	7.77	139	267	8.71	ng	# 1
31) Naphthalene	8.18	128	153570	4.63	ng	99
32) Benzoic acid	7.94	122	12998	10.40	ng	# 20
37) 2-Methylnaphthalene	8.87	142	126471	5.83	ng	100
47) 2-Nitroaniline	9.46	65	514	3.57	ng	# 41
49) Dimethylphthalate	9.63	163	621685	32.14	ng	100
51) Acenaphthene	9.95	154	107119	7.01	ng	98
53) 2,4-Dinitrophenol	10.10	184	107	8.08	ng	# 1
54) Dibenzofuran	10.12	168	117094	5.44	ng	# 92
55) 4-Nitrophenol	10.02	139	5182	5.35	ng	# 11
56) 2,4-Dinitrotoluene	10.12	165	3017	3.65	ng	# 23
57) Fluorene	10.46	166	153286	9.78	ng	97
64) 4,6-Dinitro-2-methylphenol	10.49	198	109	8.86	ng	# 1
70) Phenanthrene	11.44	178	1912556	94.74	ng	99
71) Anthracene	11.49	178	637061	31.03	ng	100
72) Carbazole	11.64	167	257083	12.78	ng	97
74) Fluoranthene	12.64	202	2244444	110.50	ng	100
77) Pyrene	12.87	202	2186343	131.66	ng	99
80) Benzo(a)anthracene	14.06	228	1212841	91.07	ng	97
82) Chrysene	14.10	228	1049764	78.19	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	607002	54.51	ng	94
87) Benzo(b)fluoranthene	15.13	252	1553639	119.93	ng	# 91
88) Benzo(k)fluoranthene	15.13	252	1553639	125.51	ng	# 94
89) Benzo(a)pyrene	15.50	252	900575	77.23	ng	# 92
90) Dibenzo(a,h)anthracene	17.08	278	157539	16.64	ng	# 88
91) Benzo(g,h,i)perylene	17.54	276	577077	62.29	ng	97

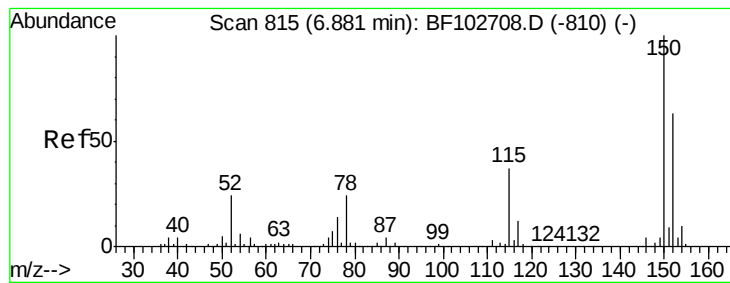
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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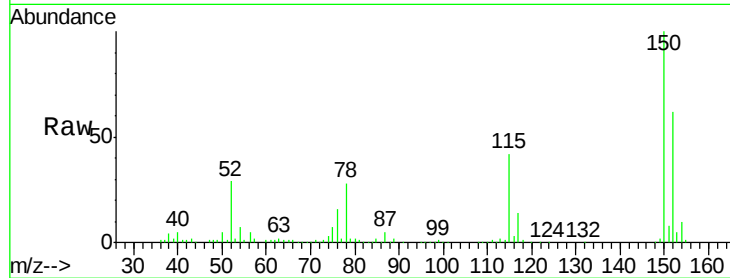


#1

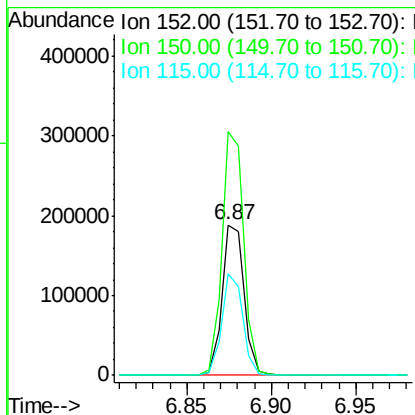
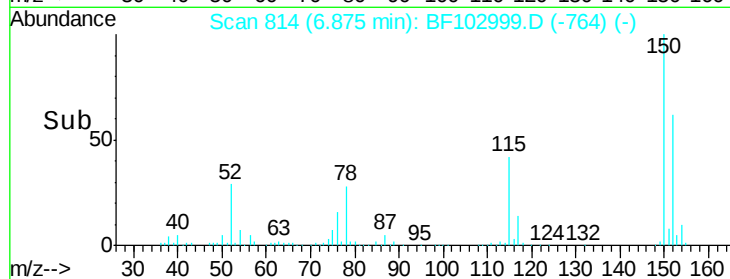
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	124.6	186.8
115	67.8	50.1	75.1



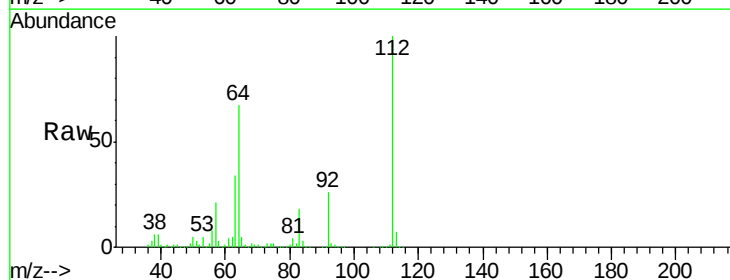
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



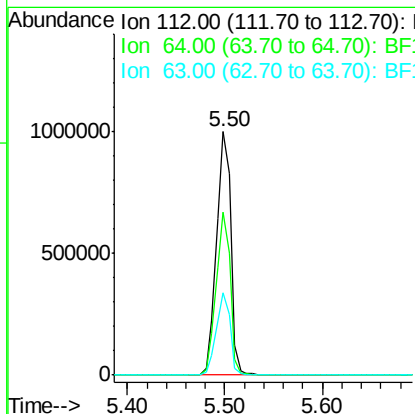
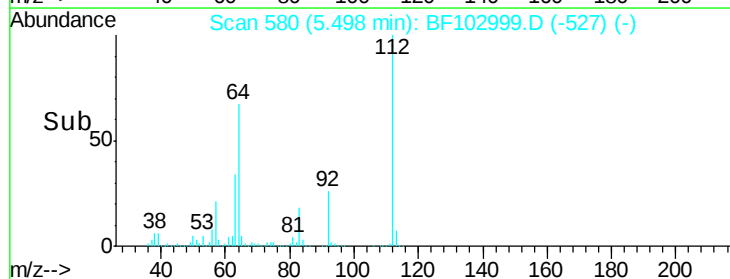
#5

2-Fluorophenol
Concen: 91.37 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	33.6	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.67 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

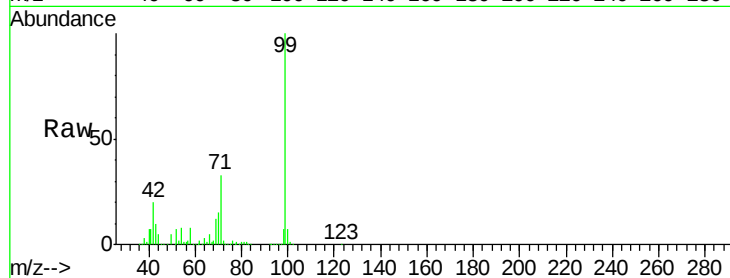
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1228267

Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	32.7	25.4	38.0

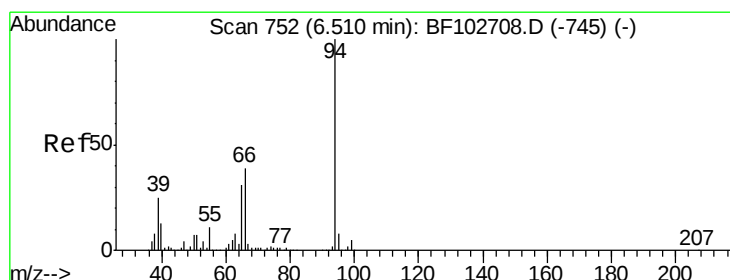
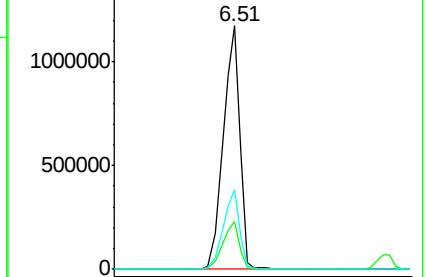
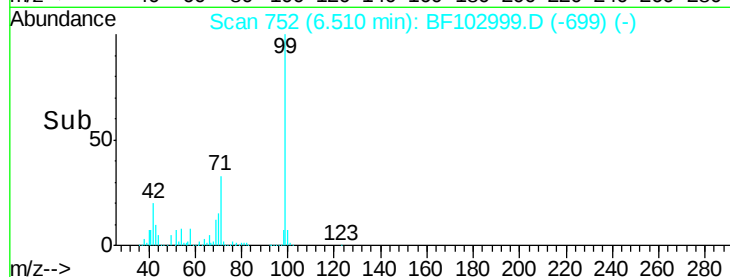


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.66 ng

RT: 6.52 min Scan# 754

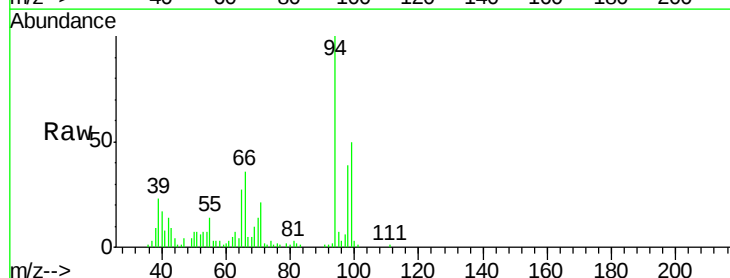
Delta R.T. 0.01 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

Tgt Ion: 94 Resp: 38558

Ion	Ratio	Lower	Upper
94	100		
65	27.4	7.9	47.9
66	35.7	16.2	56.2

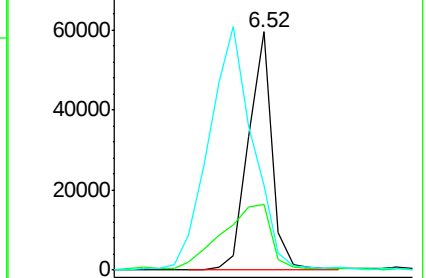
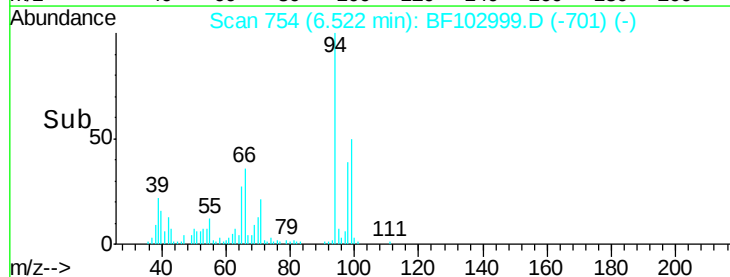


Abundance

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

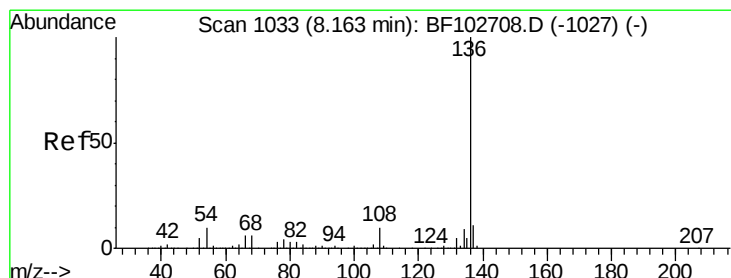
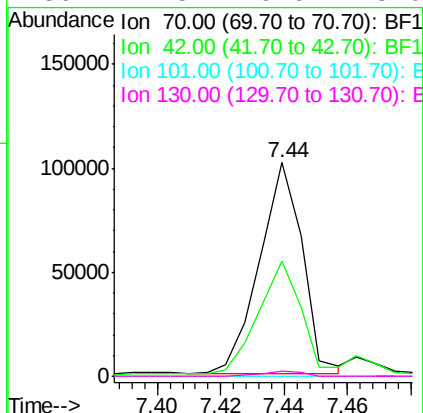
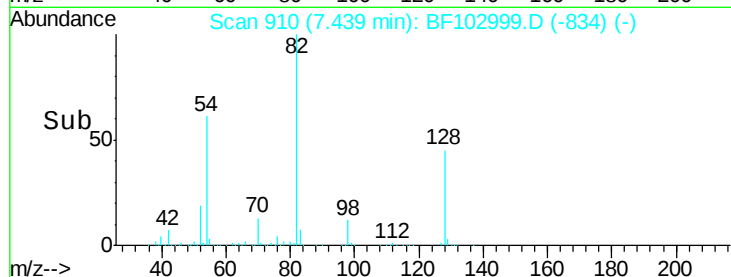
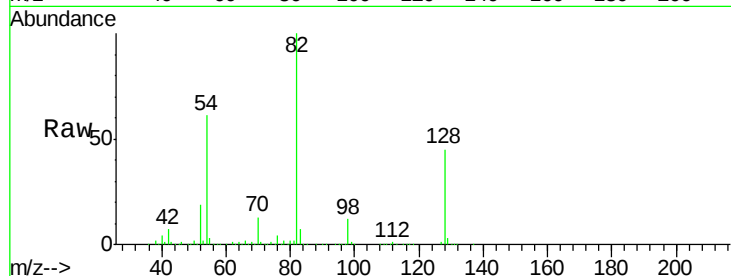




#19
n-Nitroso-di-n-propylamine
Concen: 10.60 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

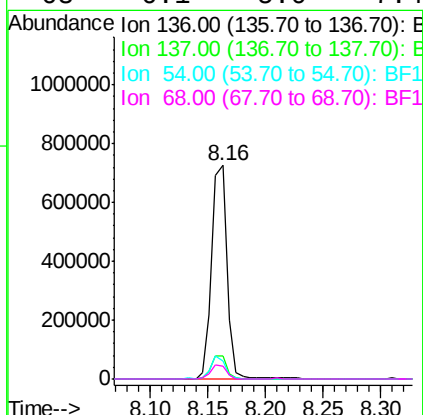
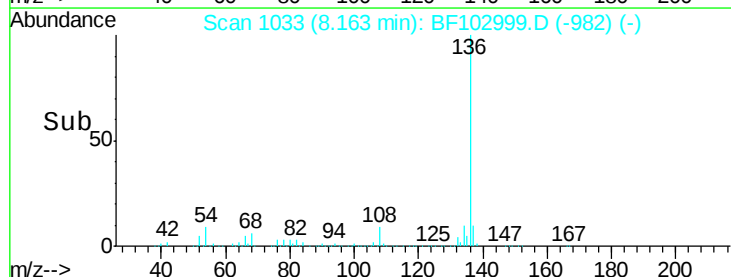
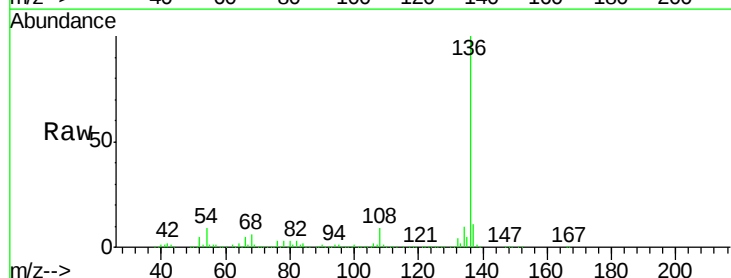
Instrument :
BNA_F
ClientSampleId :

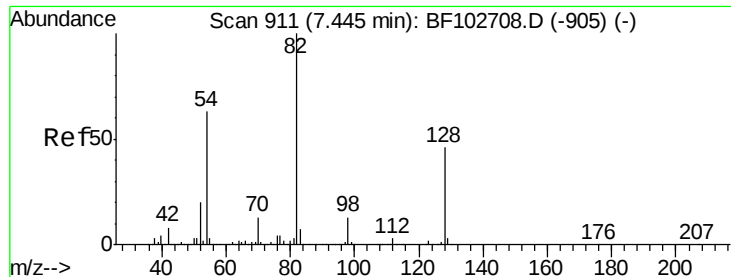
Tot Ion: 70 Resp: 94695
Ion Ratio Lower Upper
70 100
42 53.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Tgt Ion:136 Resp: 678532
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 8.7 6.6 9.8
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 76.91 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

Instrument :

BNA_F

ClientSampled :

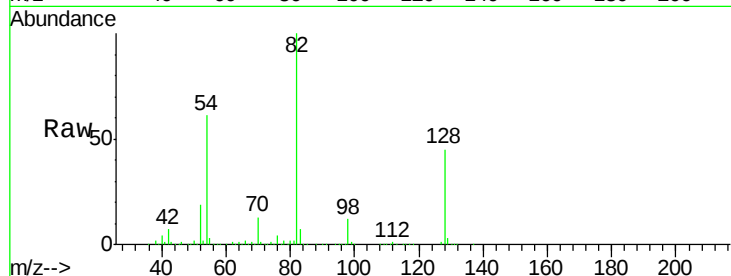
Tot Ion: 82 Resp: 752295

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

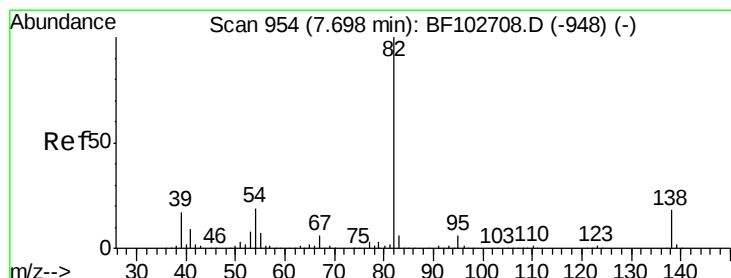
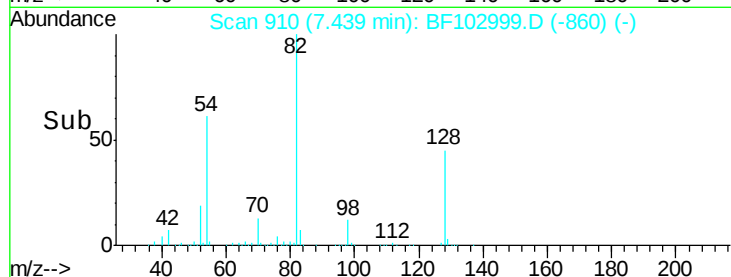
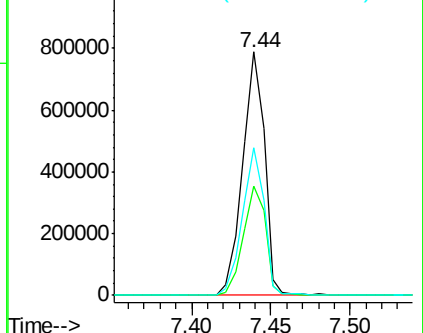
54 60.9 41.4 62.2



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: 33.42 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

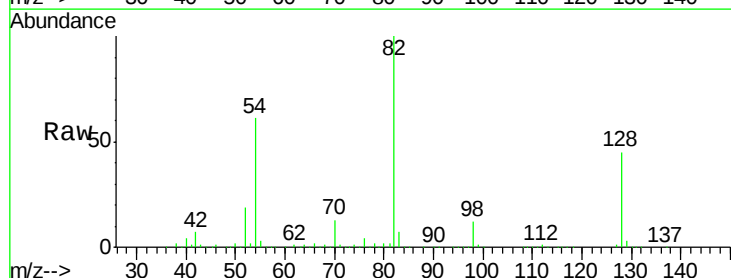
Tgt Ion: 82 Resp: 752633

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

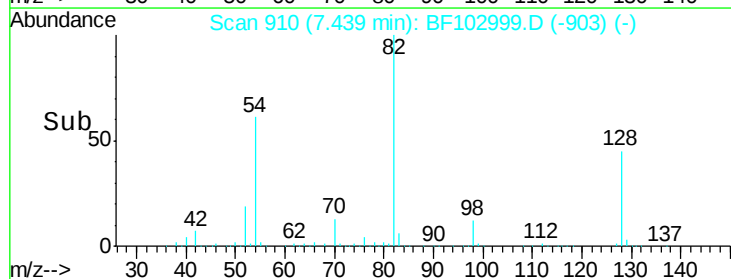
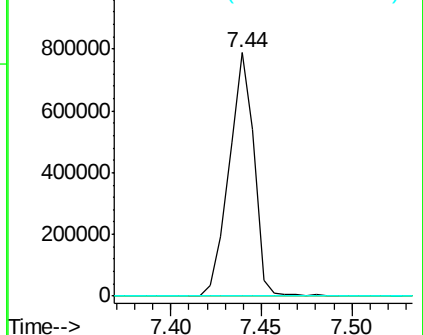
138 0.0 14.9 22.3#

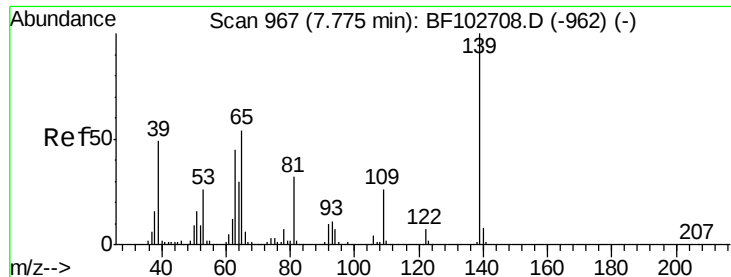


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

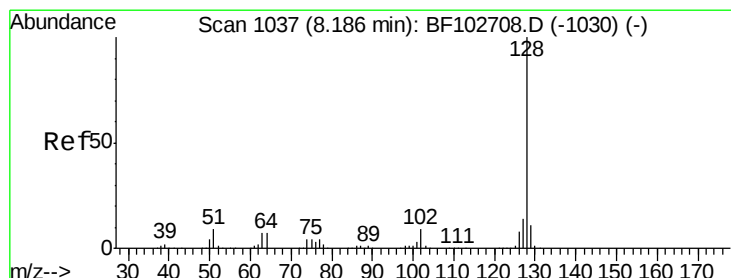
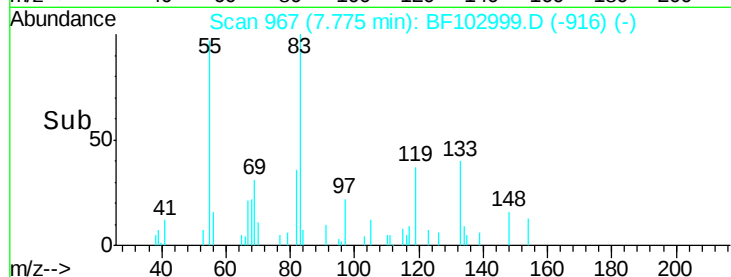
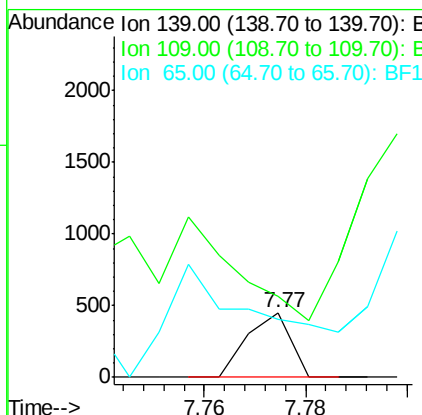
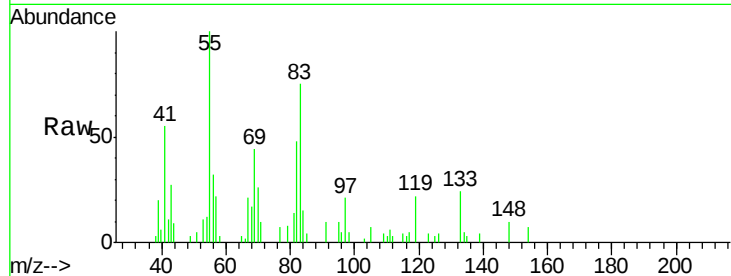




#26
2-Nitrophenol
Concen: 8.71 ng
RT: 7.77 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

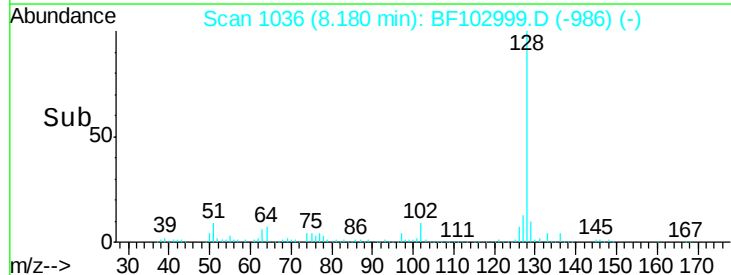
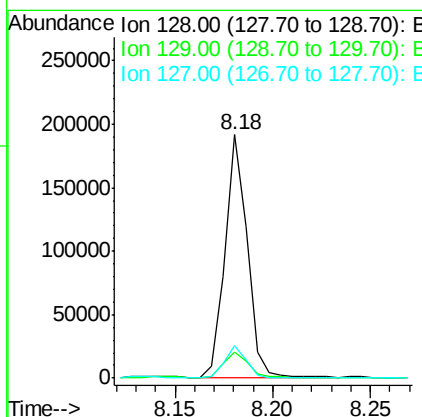
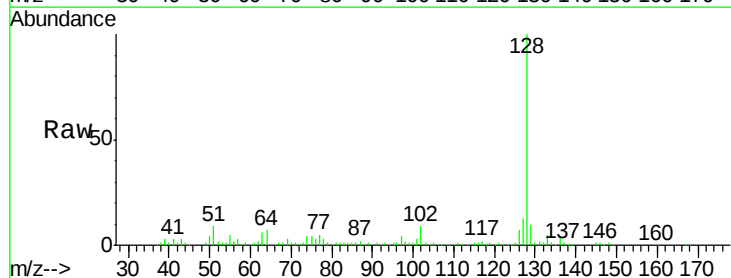
Instrument :
BNA_F
ClientSampled :

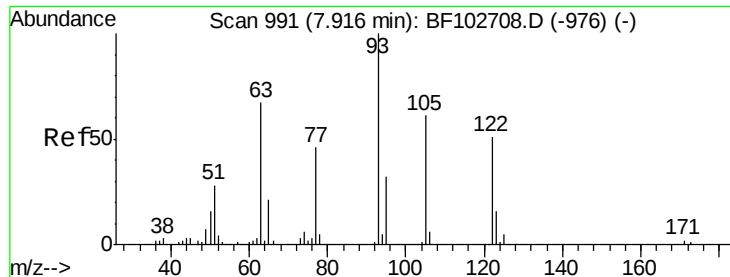
Tot Ion:139 Resp: 267
Ion Ratio Lower Upper
139 100
109 125.9 22.7 34.1#
65 90.7 40.5 60.7#



#31
Naphthalene
Concen: 4.63 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Tgt Ion:128 Resp: 153570
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.1 10.9 16.3





#32

Benzoic acid

Concen: 10.40 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.02 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

Instrument :

BNA_F

ClientSampled :

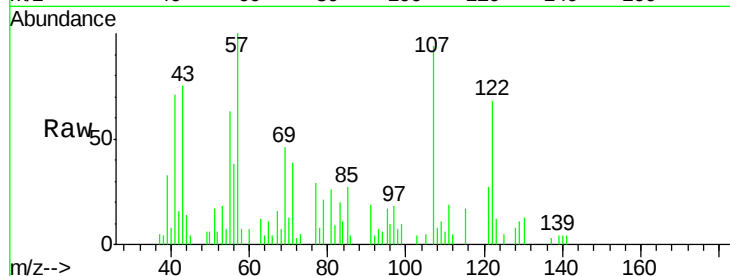
Tot Ion:122 Resp: 12998

Ion Ratio Lower Upper

122 100

105 7.8 101.1 141.1#

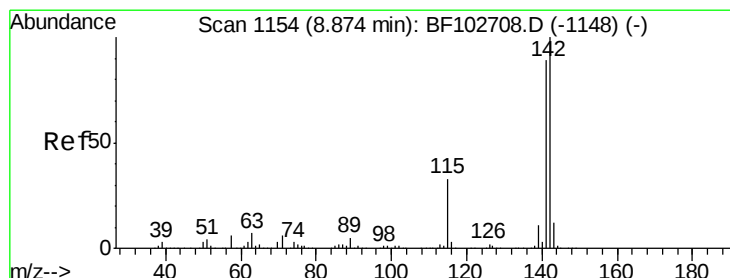
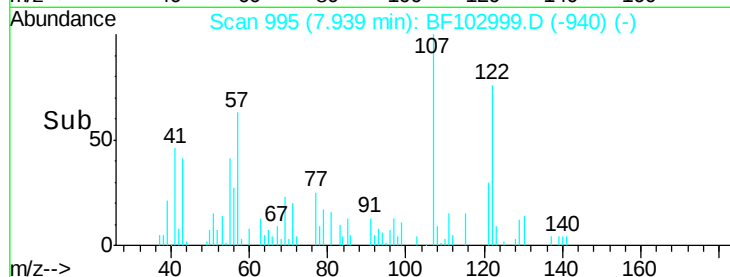
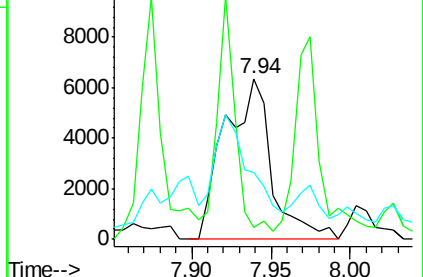
77 41.9 70.7 110.7#



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



#37

2-Methylnaphthalene

Concen: 5.83 ng

RT: 8.87 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

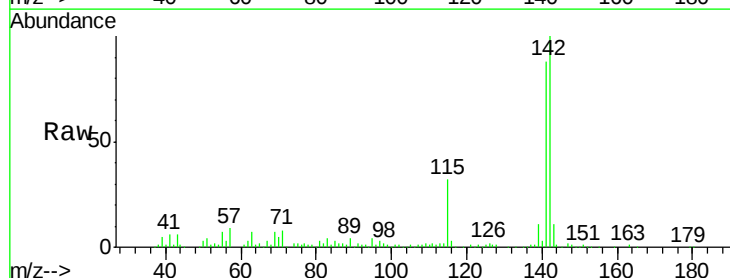
Tgt Ion:142 Resp: 126471

Ion Ratio Lower Upper

142 100

141 88.3 70.8 106.2

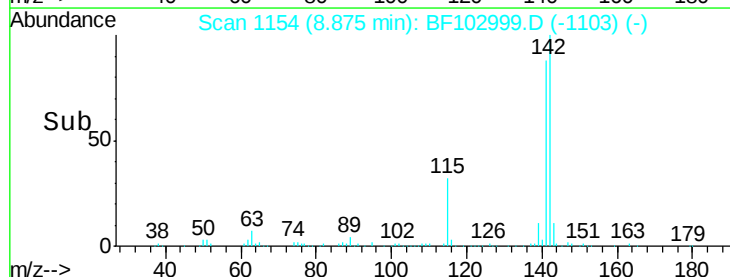
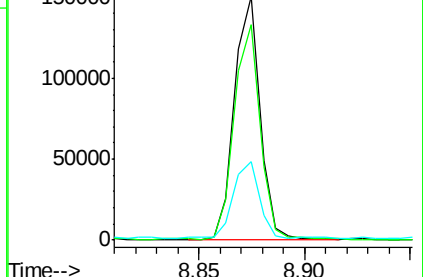
115 32.1 26.1 39.1

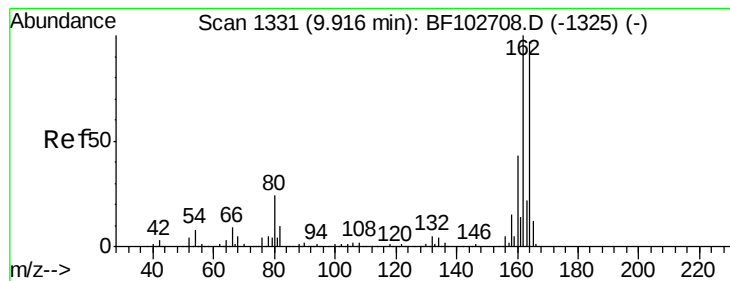


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

Instrument :

BNA_F

ClientSampleId :

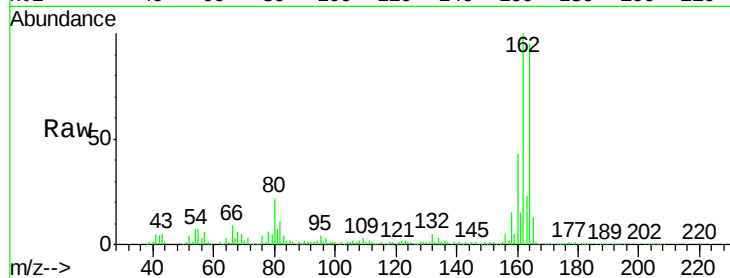
Tot Ion:164 Resp: 248094

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

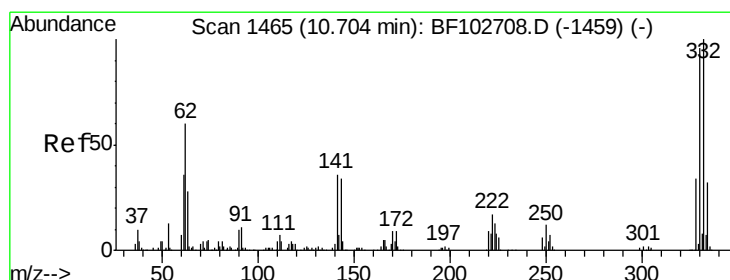
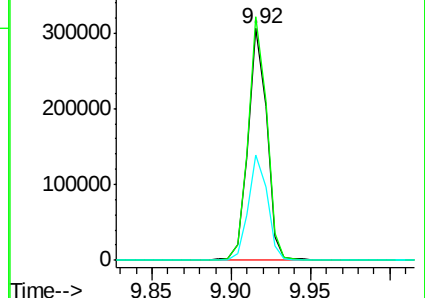
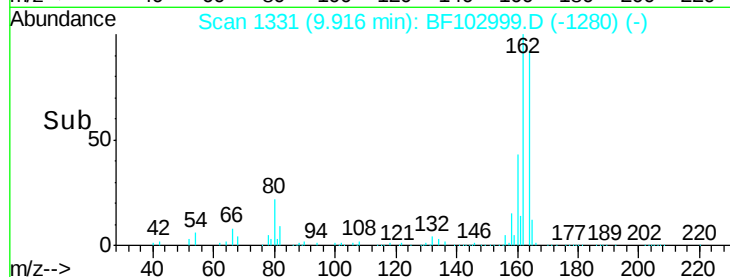
160 45.3 38.3 57.5



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: 84.97 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

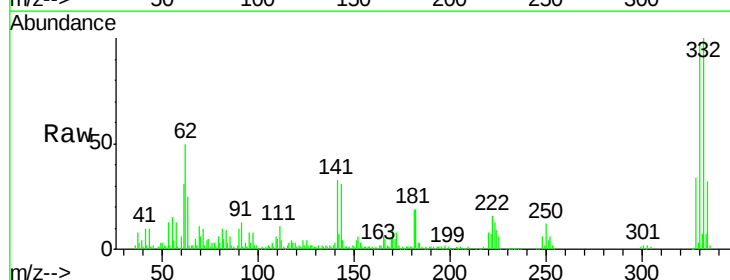
Tgt Ion:330 Resp: 169683

Ion Ratio Lower Upper

330 100

332 101.7 77.0 115.6

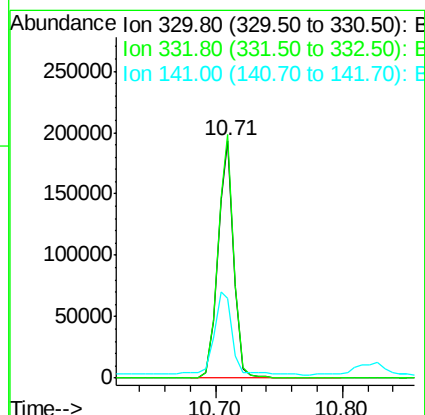
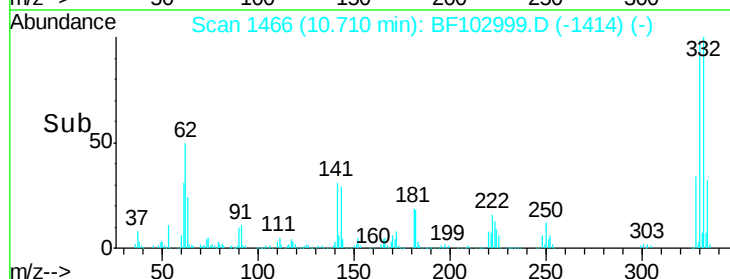
141 38.3 29.9 44.9

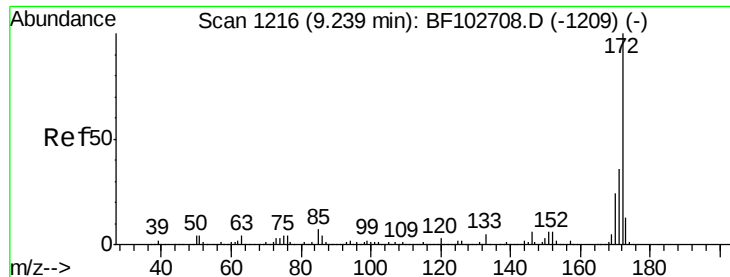


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

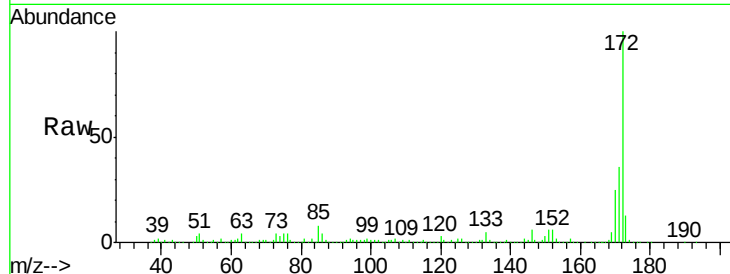




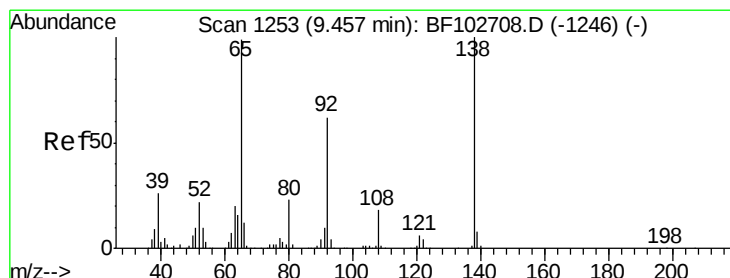
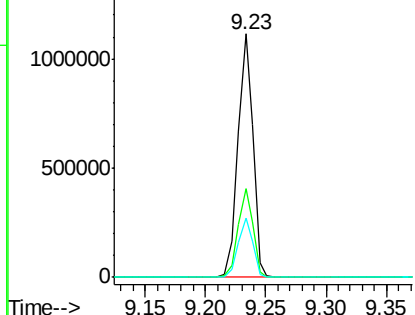
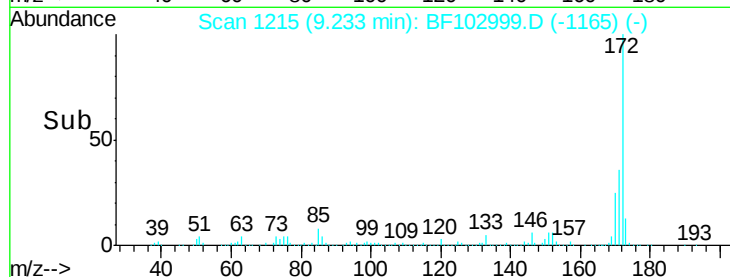
#44
2-Fluorobiphenyl
Concen: 65.20 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 974869
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.5 19.6 29.4

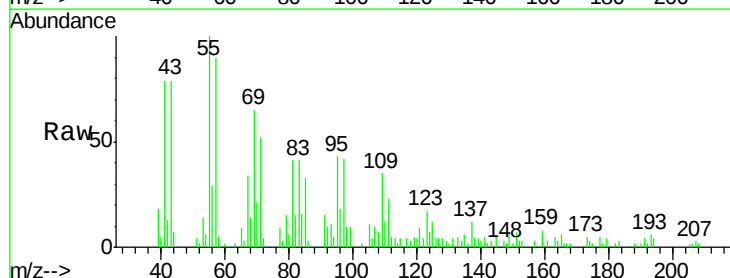


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

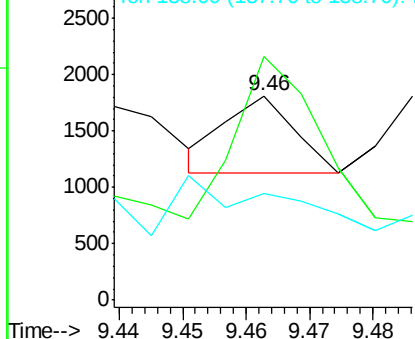
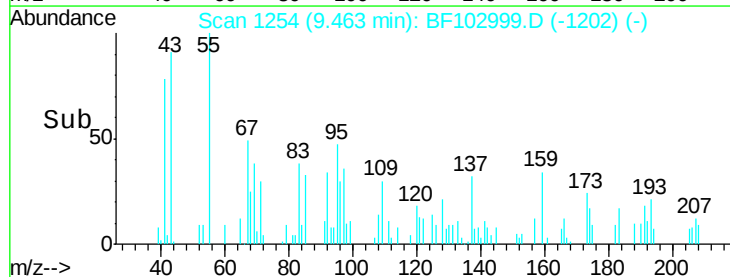


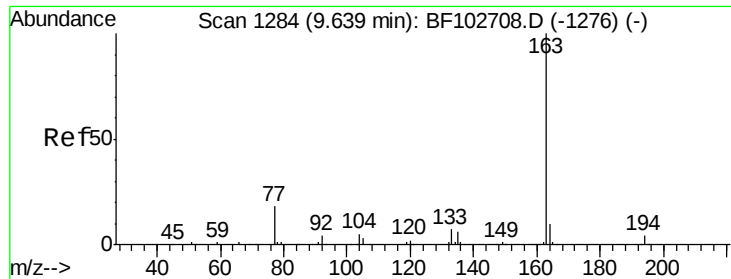
#47
2-Nitroaniline
Concen: 3.57 ng
RT: 9.46 min Scan# 1254
Delta R.T. 0.01 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Tgt Ion: 65 Resp: 514
Ion Ratio Lower Upper
65 100
92 119.3 55.8 83.6#
138 52.2 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

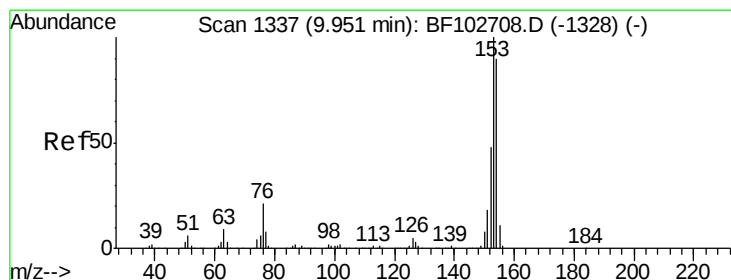
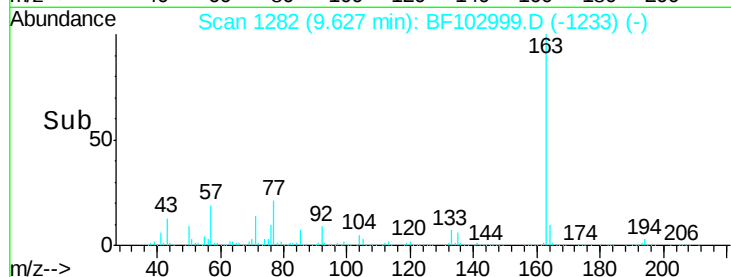
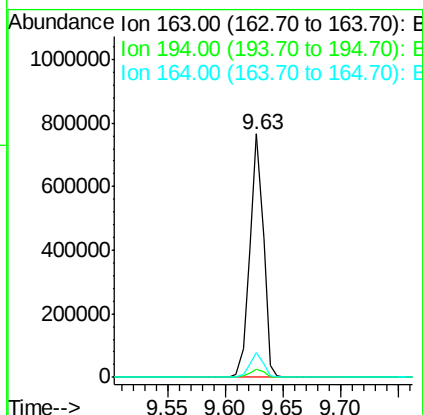
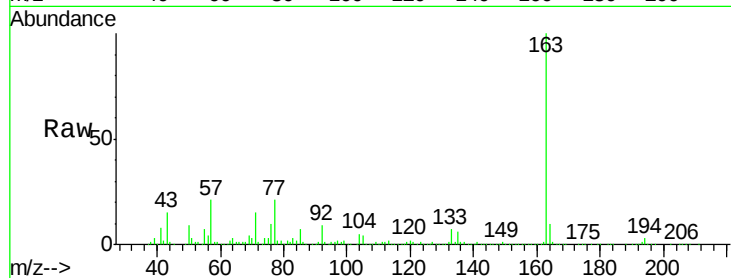




#49
Dimethylphthalate
Concen: 32.14 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

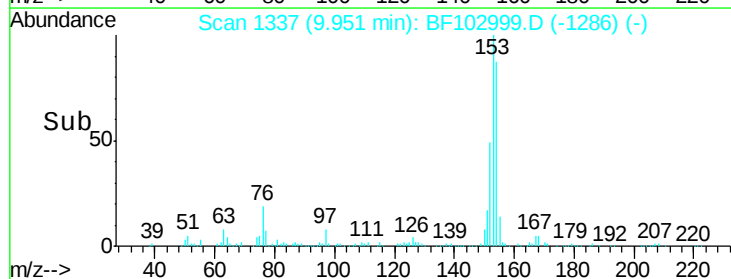
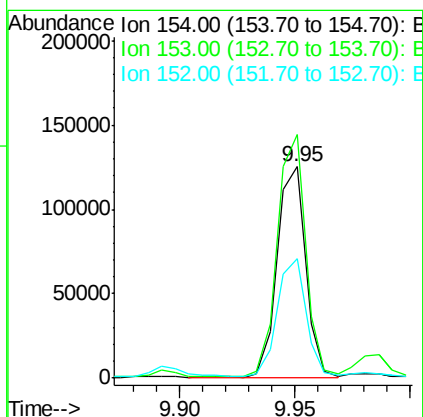
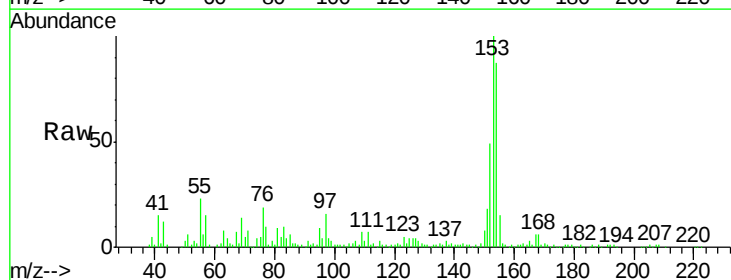
Instrument :
BNA_F
ClientSampleId :

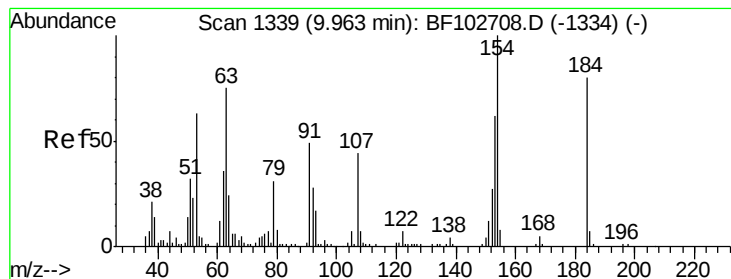
Tot Ion:163 Resp: 621685
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.3 8.2 12.2



#51
Acenaphthene
Concen: 7.01 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Tgt Ion:154 Resp: 107119
Ion Ratio Lower Upper
154 100
153 115.2 91.2 136.8
152 56.6 43.8 65.8





#53

2,4-Dinitrophenol

Concen: 8.08 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.14 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

Instrument :

BNA_F

ClientSampleId :

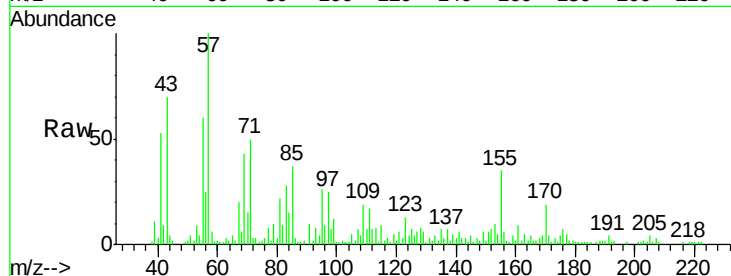
Tot Ion:184 Resp: 107

Ion Ratio Lower Upper

184 100

63 573.8 54.2 81.2#

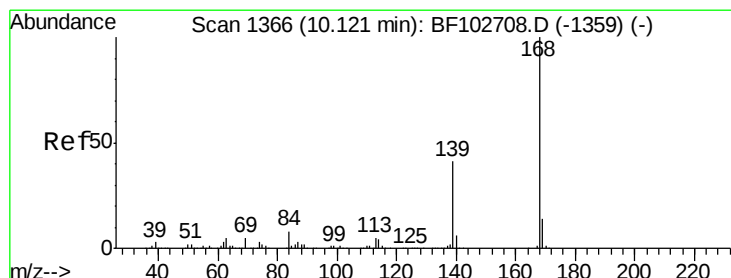
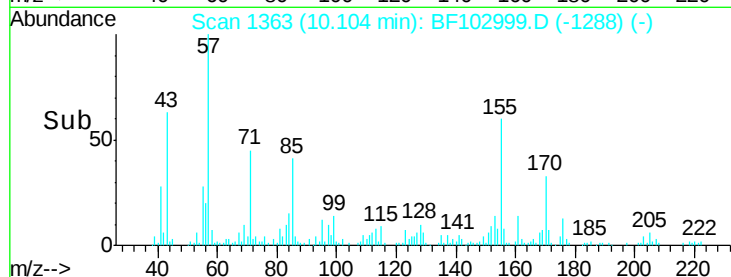
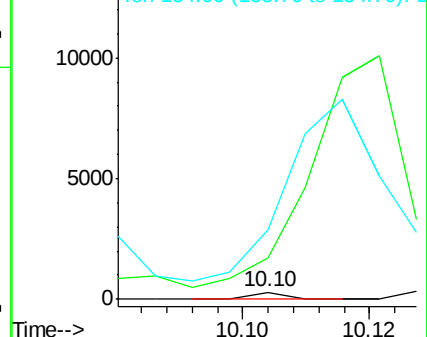
154 957.6 184.0 276.0#



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: 5.44 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

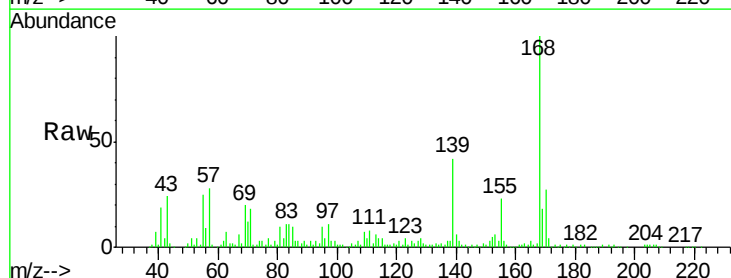
Tgt Ion:168 Resp: 117094

Ion Ratio Lower Upper

168 100

139 42.1 30.1 45.1

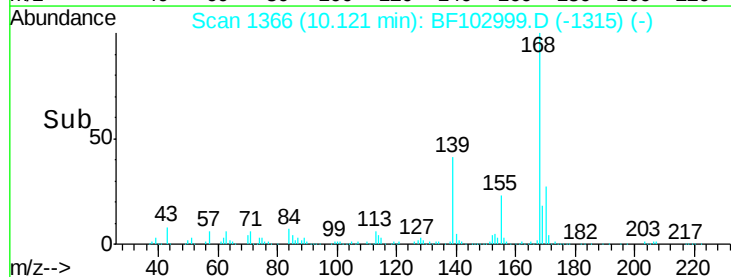
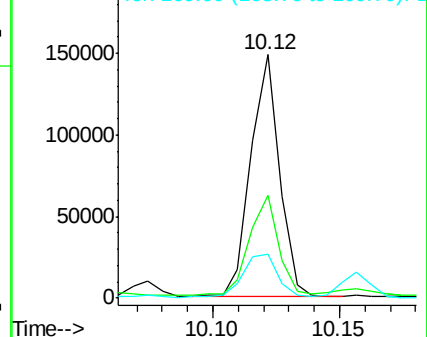
169 18.1 10.9 16.3#

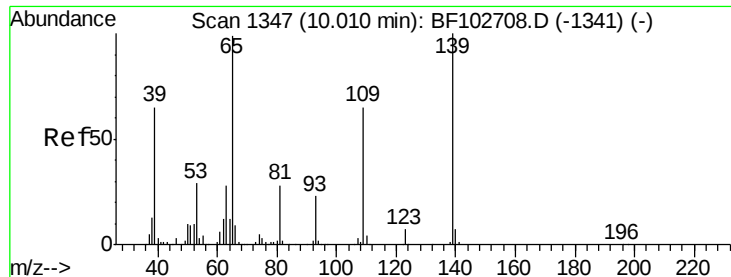


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

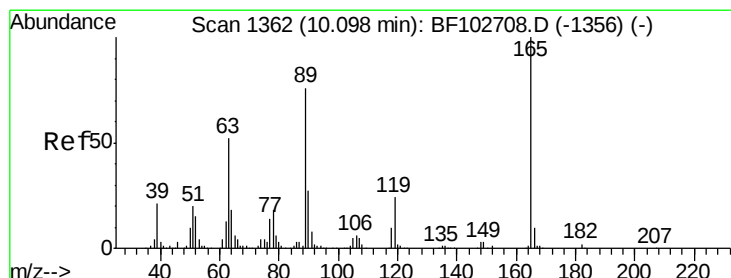
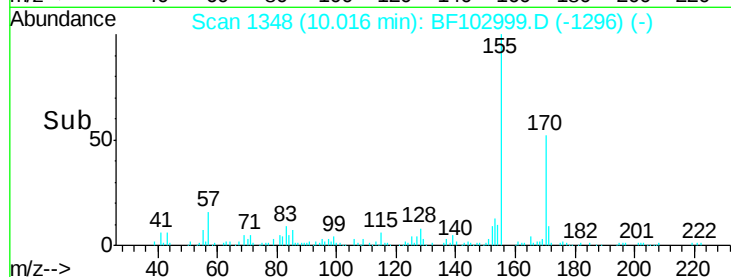
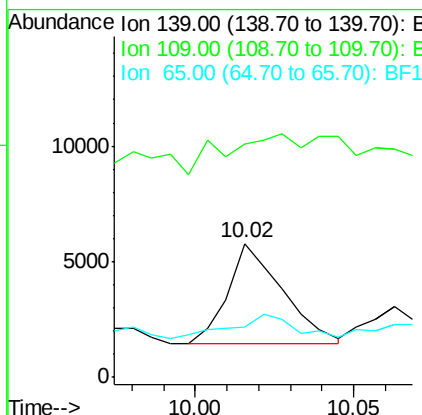
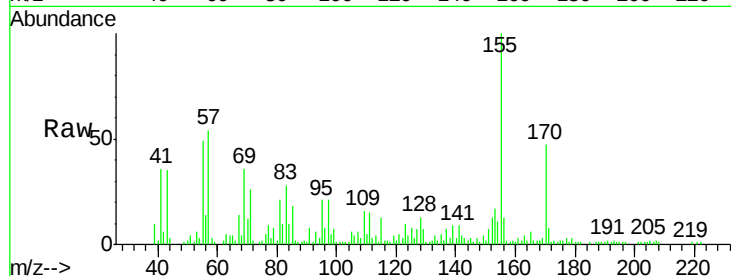




#55
4-Nitrophenol
Concen: 5.35 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

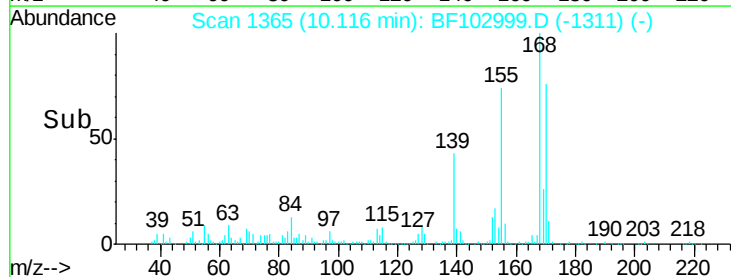
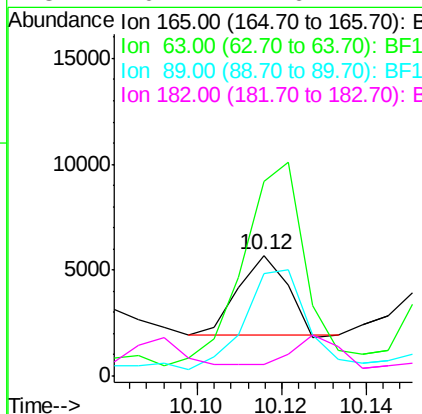
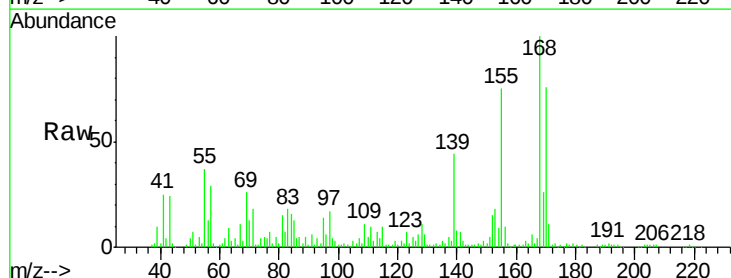
Instrument :
BNA_F
ClientSampleId :

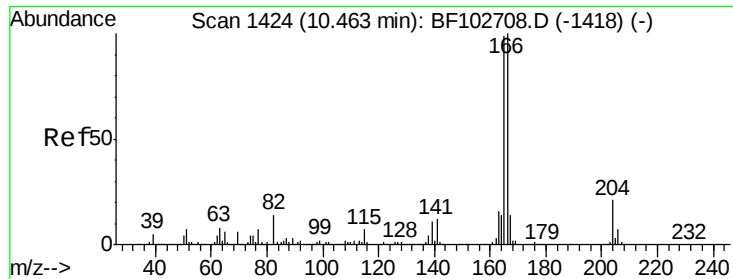
Tot Ion:139 Resp: 5182
Ion Ratio Lower Upper
139 100
109 174.4 48.4 88.4#
65 37.6 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.65 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.02 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Tgt Ion:165 Resp: 3017
Ion Ratio Lower Upper
165 100
63 161.5 36.4 54.6#
89 84.8 57.8 86.6
182 10.1 1.6 2.4#

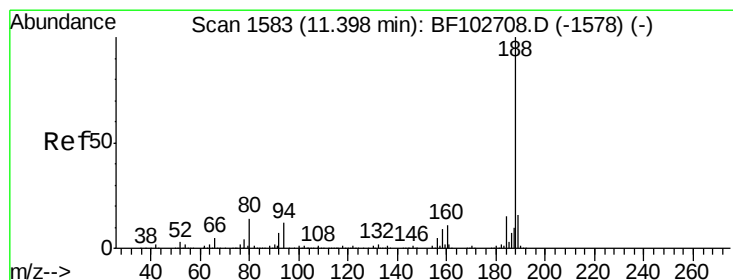
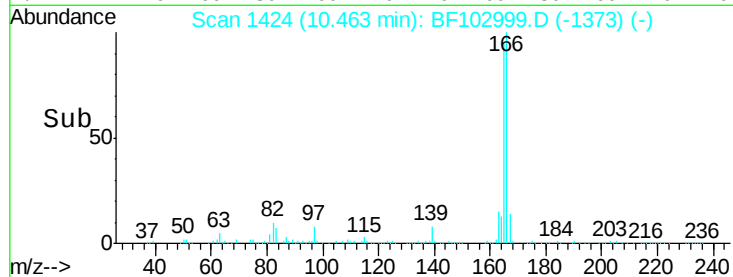
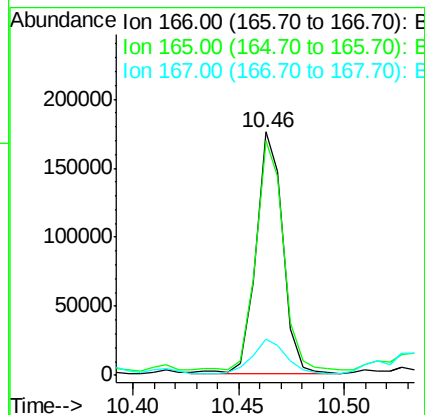
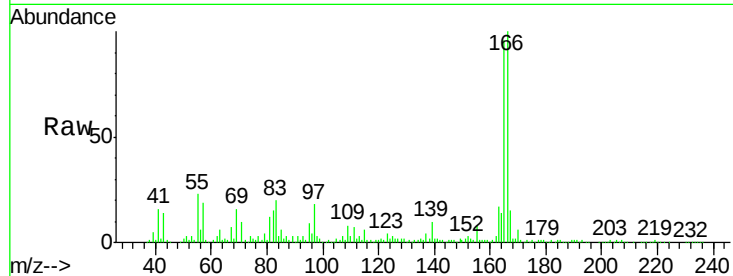




#57
Fluorene
 Concen: 9.78 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF102999.D
 Acq: 14 Feb 2018 19:40

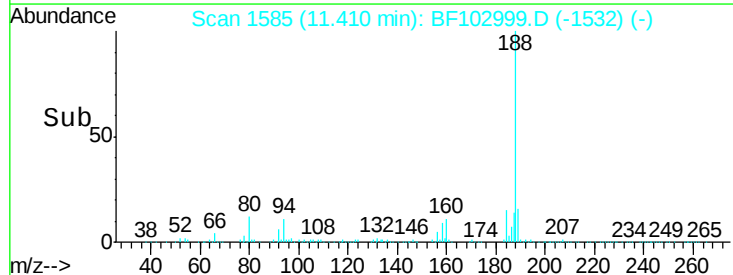
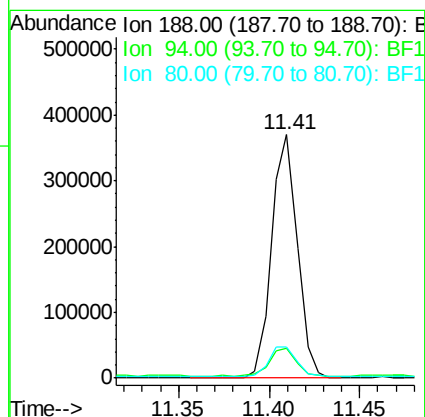
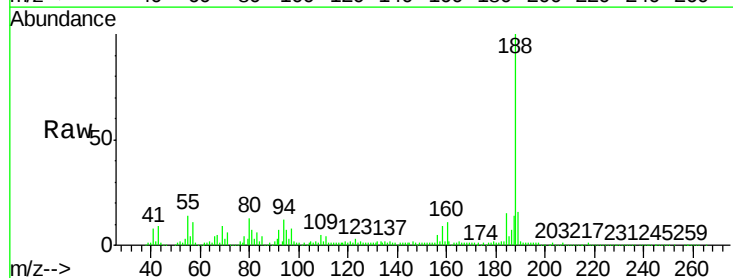
Instrument :
 BNA_F
 ClientSampleId :

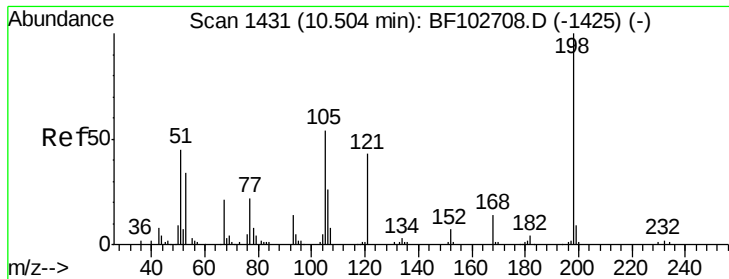
Tot Ion:166 Resp: 153286
 Ion Ratio Lower Upper
 166 100
 165 96.4 79.8 119.8
 167 14.9 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BF102999.D
 Acq: 14 Feb 2018 19:40

Tgt Ion:188 Resp: 362489
 Ion Ratio Lower Upper
 188 100
 94 12.1 8.5 12.7
 80 12.8 9.2 13.8

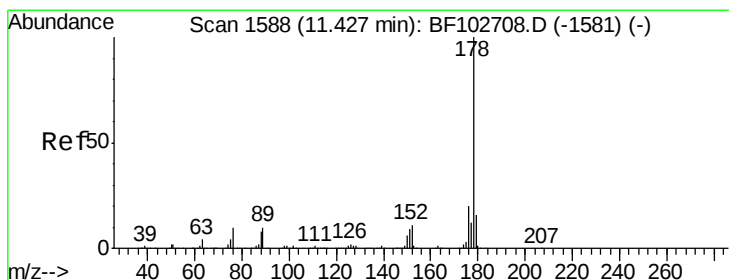
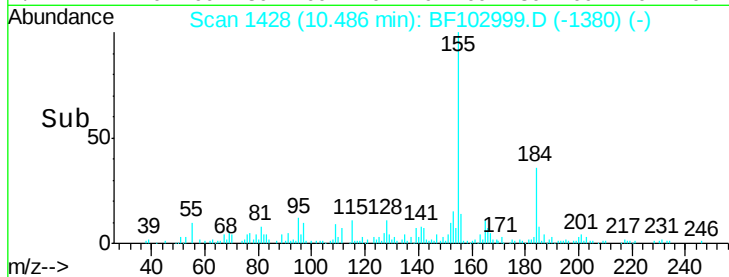
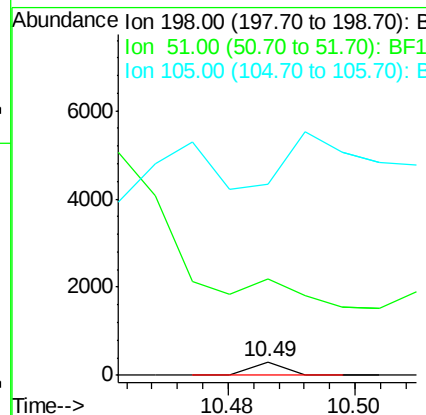
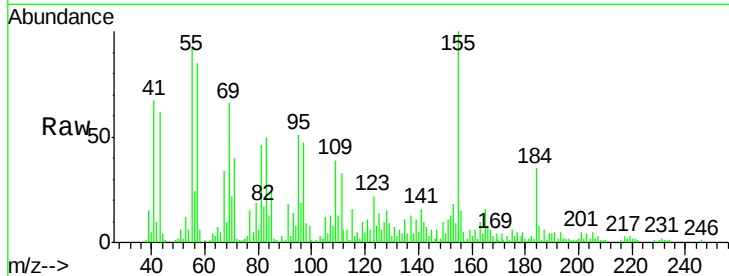




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.86 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.02 min
 Lab File: BF102999.D
 Acq: 14 Feb 2018 19:40

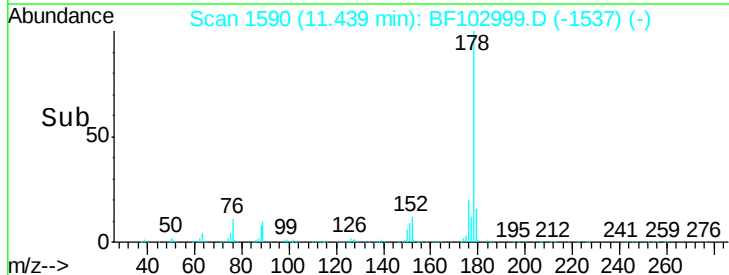
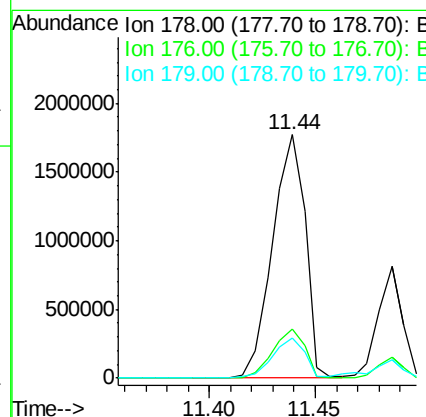
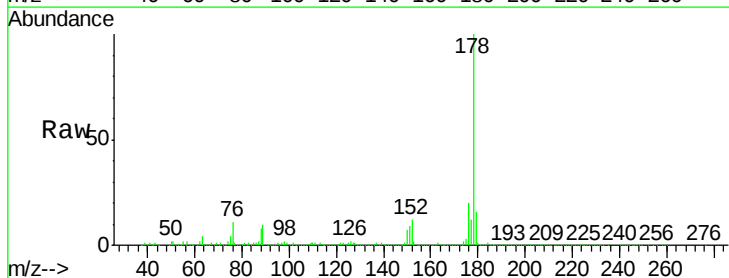
Instrument :
 BNA_F
 ClientSampleId :

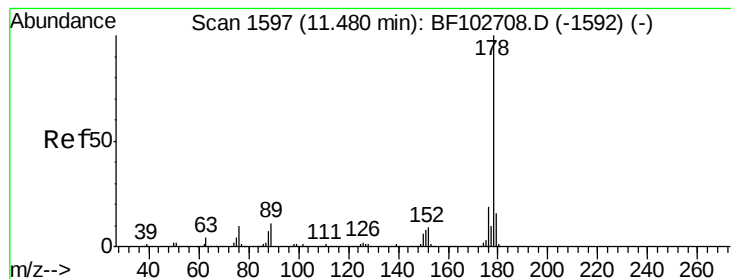
Tot Ion:198 Resp: 109
 Ion Ratio Lower Upper
 198 100
 51 706.8 37.7 77.7#
 105 1402.6 36.3 76.3#



#70
 Phenanthrene
 Concen: 94.74 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF102999.D
 Acq: 14 Feb 2018 19:40

Tgt Ion:178 Resp: 1912556
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.8 23.8
 179 16.5 13.0 19.6





#71

Anthracene

Concen: 31.03 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

Instrument :

BNA_F

ClientSampleId :

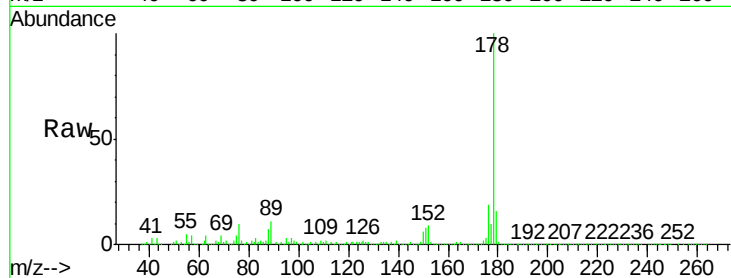
Tot Ion:178 Resp: 637061

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

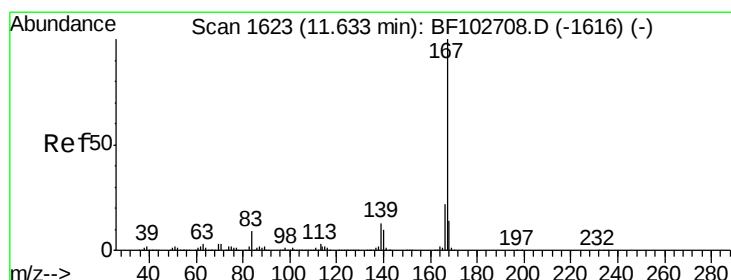
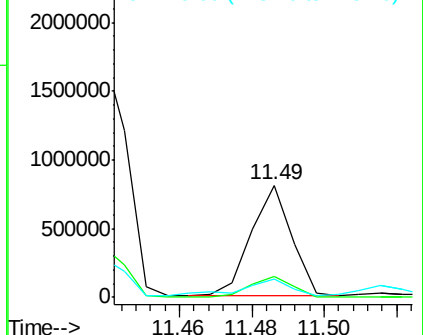
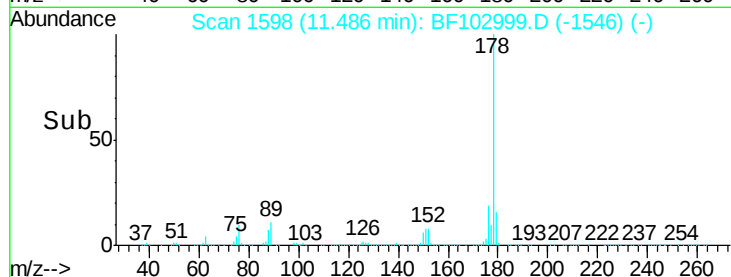
179 16.0 12.6 19.0



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: 12.78 ng

RT: 11.64 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

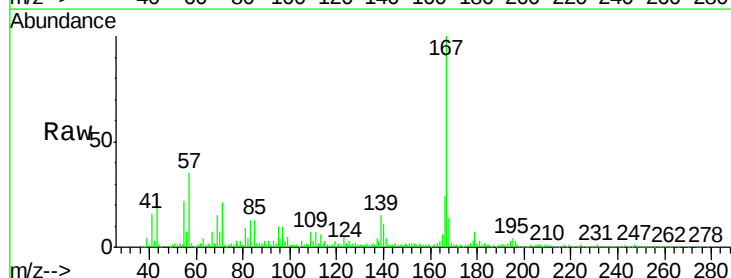
Tgt Ion:167 Resp: 257083

Ion Ratio Lower Upper

167 100

166 23.8 17.6 26.4

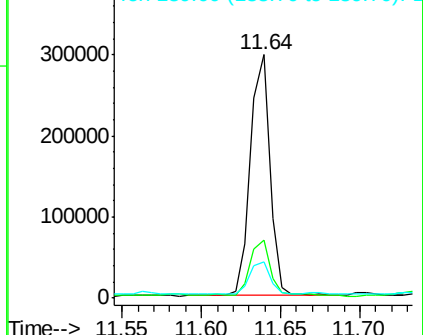
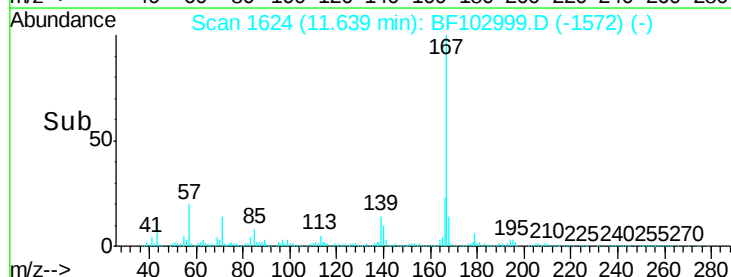
139 14.7 10.9 16.3

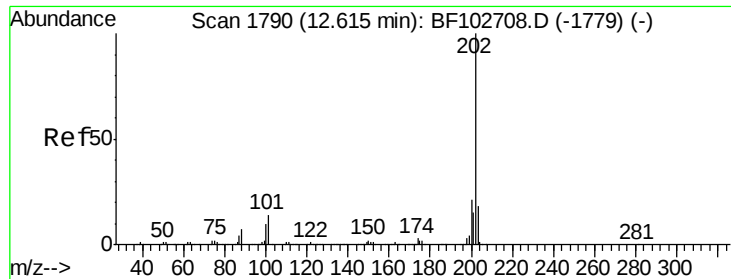


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

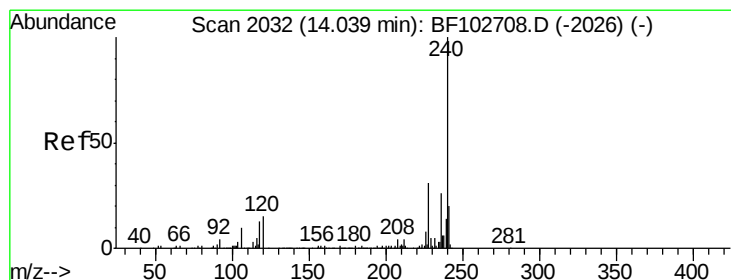
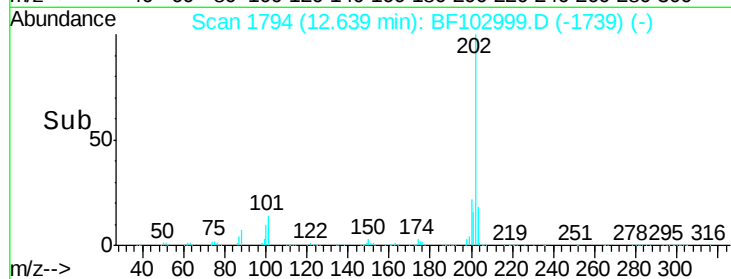
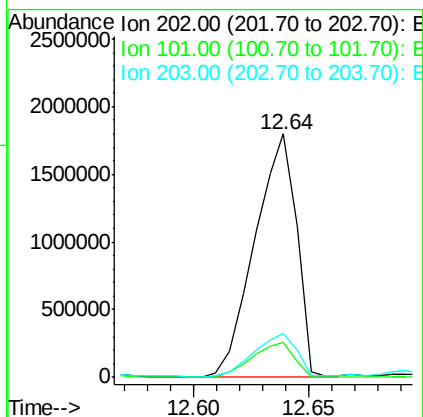
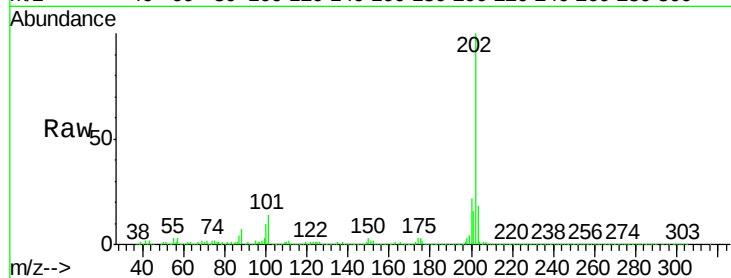




#74
Fluoranthene
Concen: 110.50 ng
RT: 12.64 min Scan# 1794
Delta R.T. 0.02 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

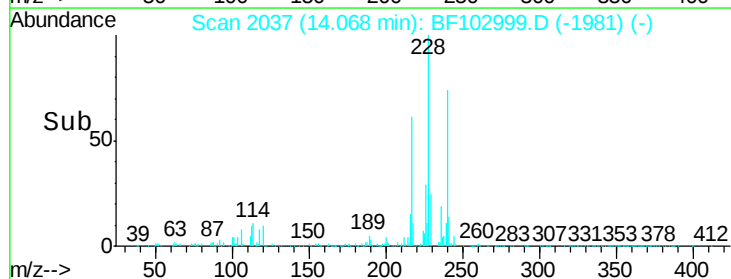
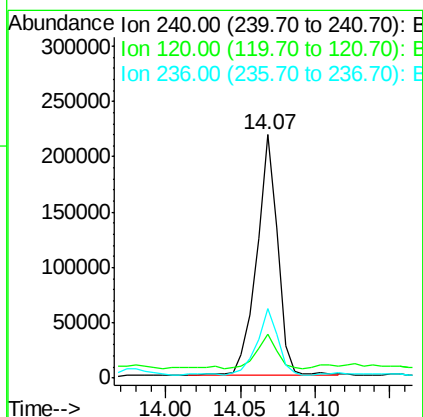
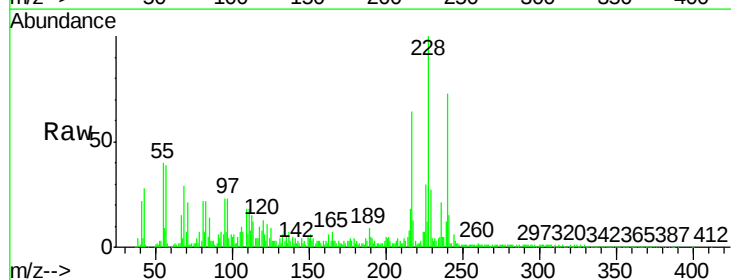
Instrument :
BNA_F
ClientSampleId :

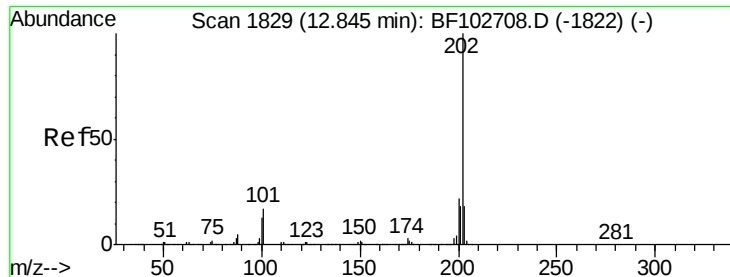
Tot Ion:202 Resp: 2244444
Ion Ratio Lower Upper
202 100
101 14.4 0.0 34.1
203 18.2 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.03 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Tgt Ion:240 Resp: 211766
Ion Ratio Lower Upper
240 100
120 17.8 9.5 14.3#
236 28.6 20.7 31.1

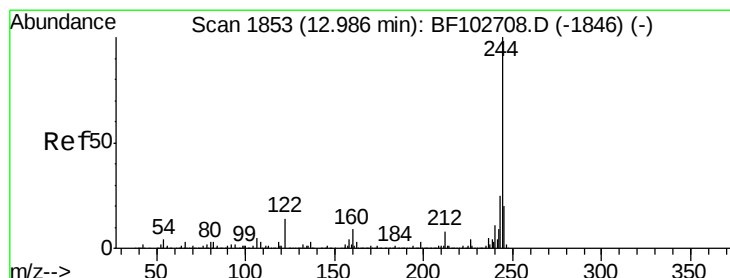
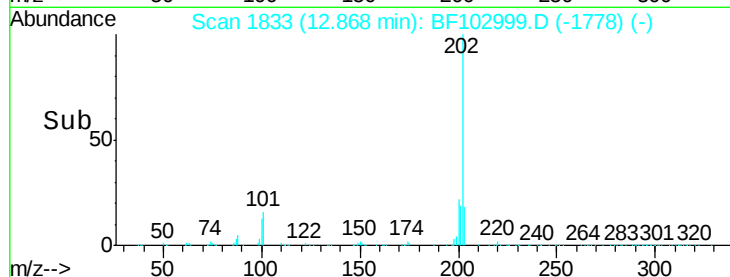
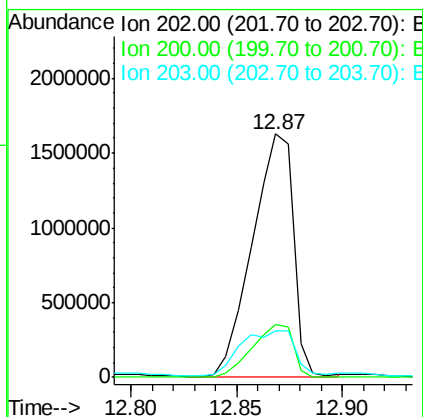
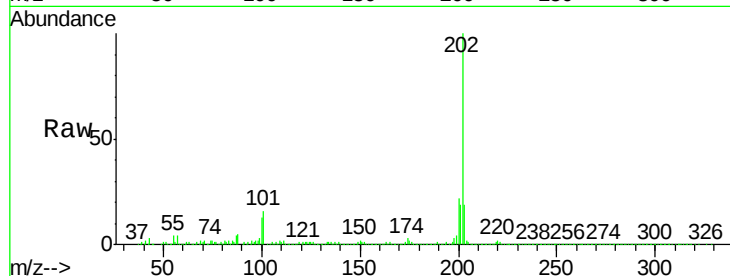




#77
Pvrene
Concen: 131.66 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.02 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

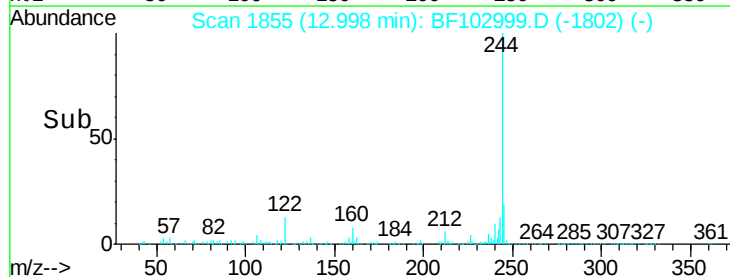
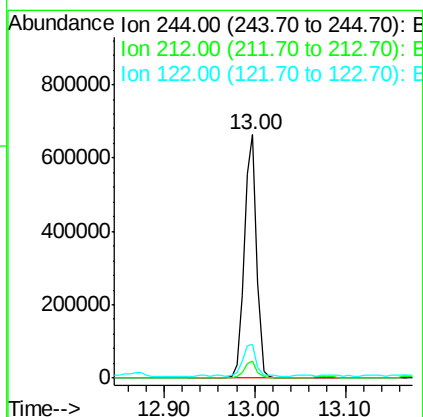
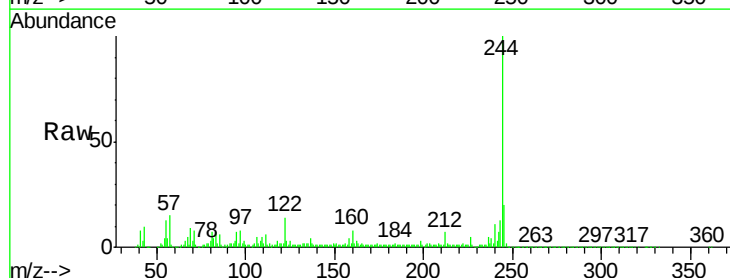
Instrument :
BNA_F
ClientSampleId :

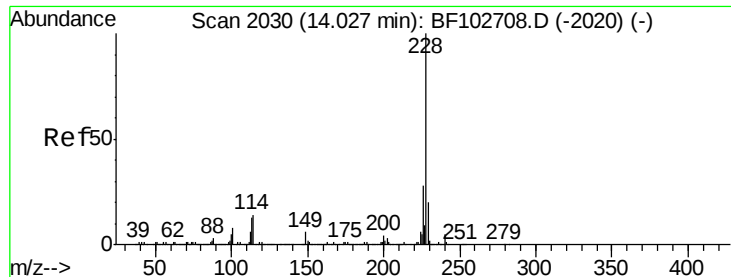
Tot Ion:202 Resp: 2186343
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 18.9 14.3 21.5



#78
Terphenyl-d14
Concen: 69.75 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Tgt Ion:244 Resp: 623780
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 13.8 11.0 16.4





#80

Benzo(a)anthracene

Concen: 91.07 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.03 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

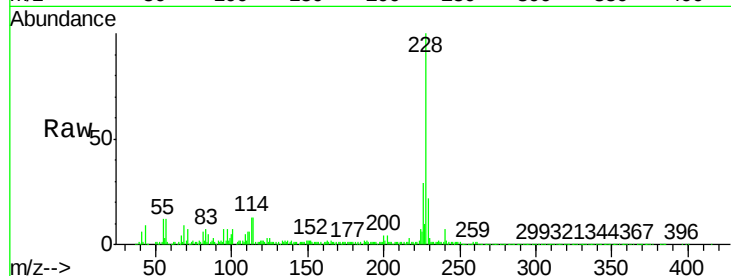
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 1212841

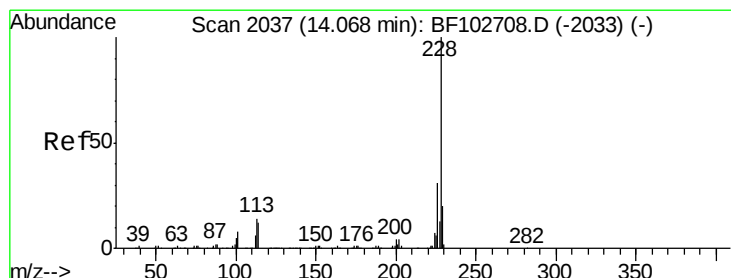
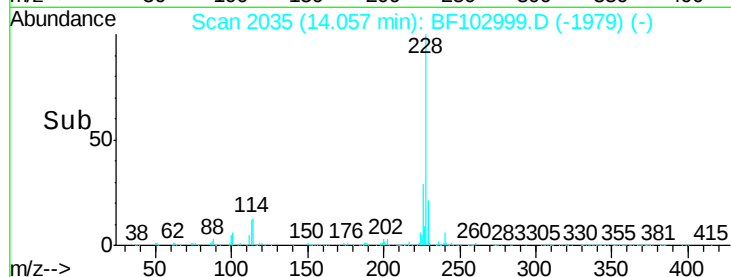
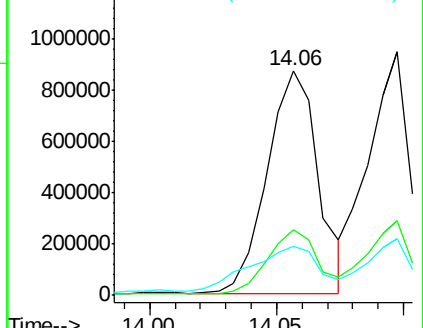
Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	21.7	15.8	23.6



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: 78.19 ng

RT: 14.10 min Scan# 2042

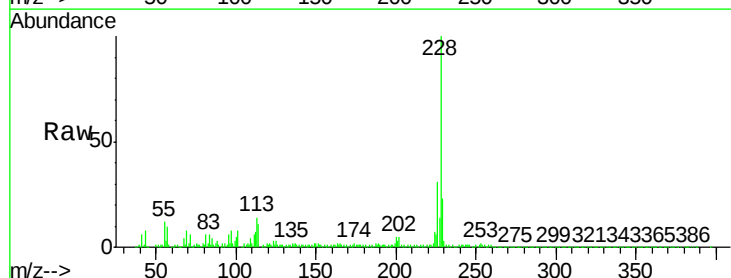
Delta R.T. 0.03 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

Tgt Ion:228 Resp: 1049764

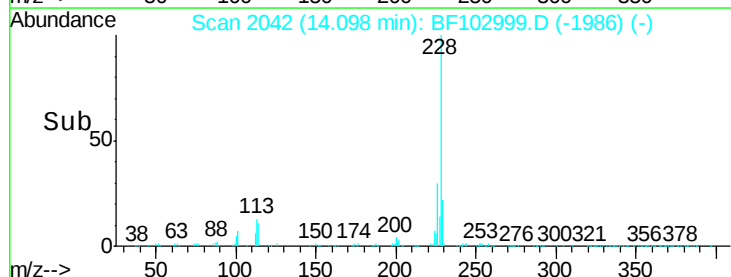
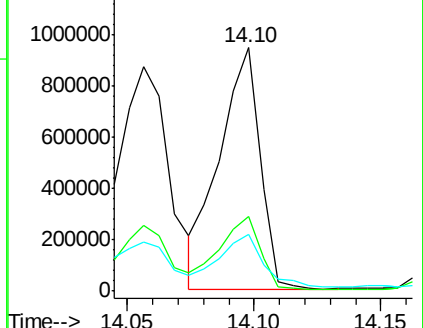
Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.2	16.2	24.4

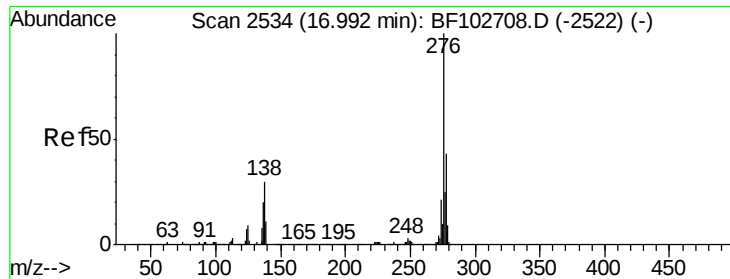


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

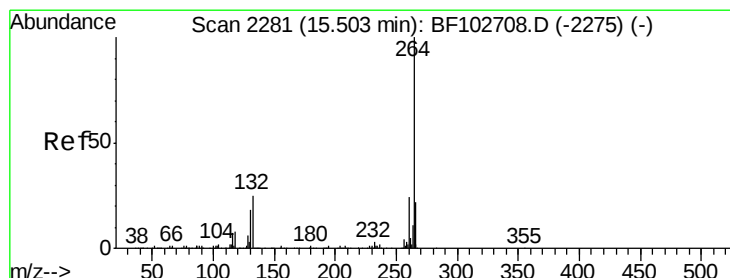
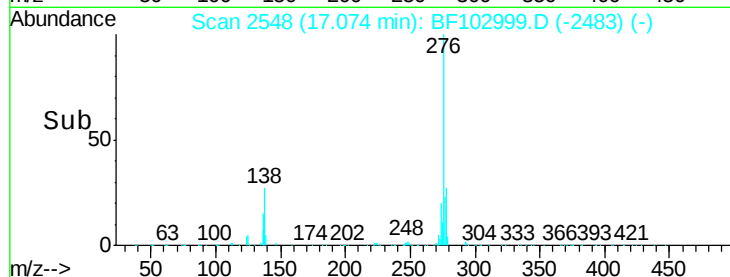
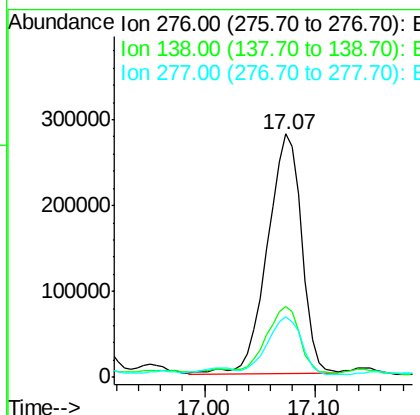
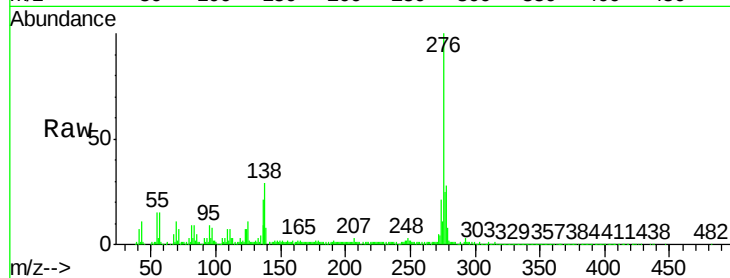




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 54.51 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. 0.08 min
 Lab File: BF102999.D
 Acq: 14 Feb 2018 19:40

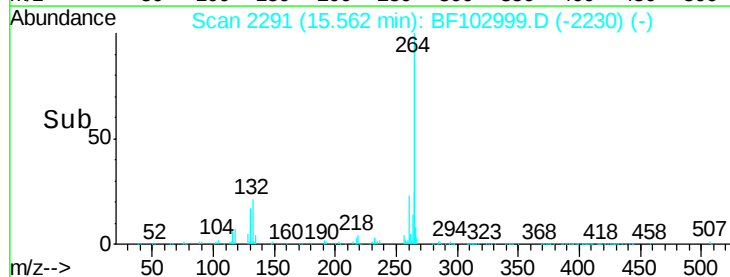
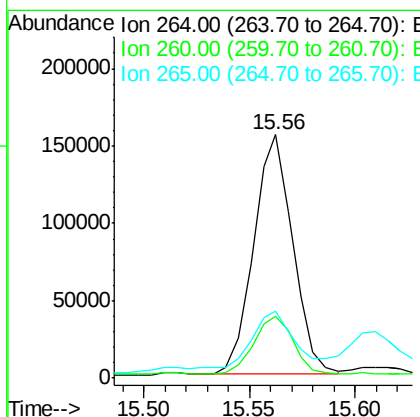
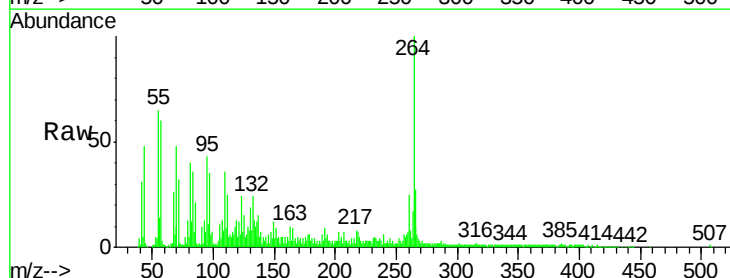
Instrument :
 BNA_F
 ClientSampleId :

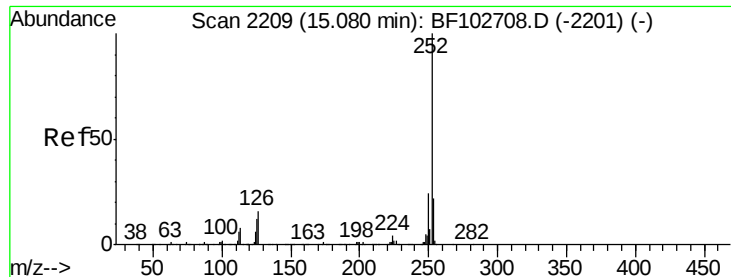
Tot Ion:276 Resp: 607002
 Ion Ratio Lower Upper
 276 100
 138 26.7 25.0 37.6
 277 23.7 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.06 min
 Lab File: BF102999.D
 Acq: 14 Feb 2018 19:40

Tgt Ion:264 Resp: 199820
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.2 28.8
 265 27.3 17.5 26.3#

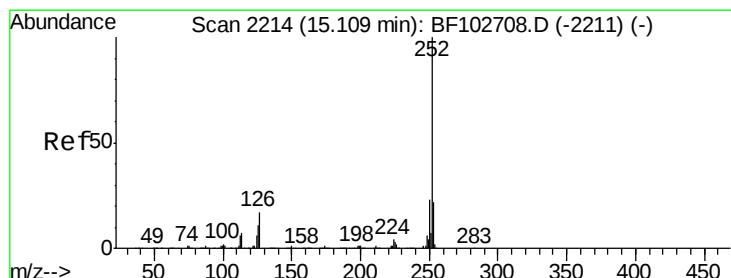
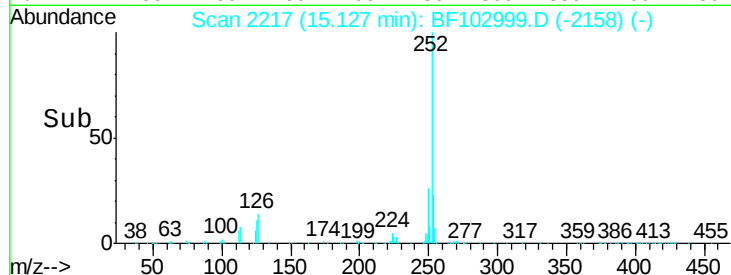
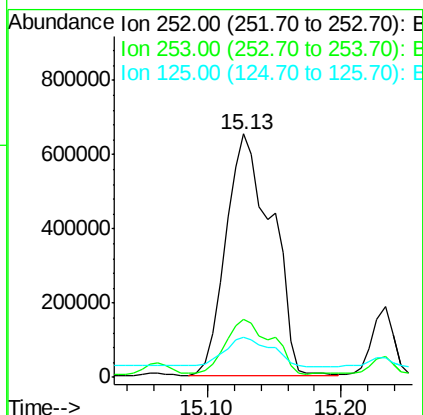
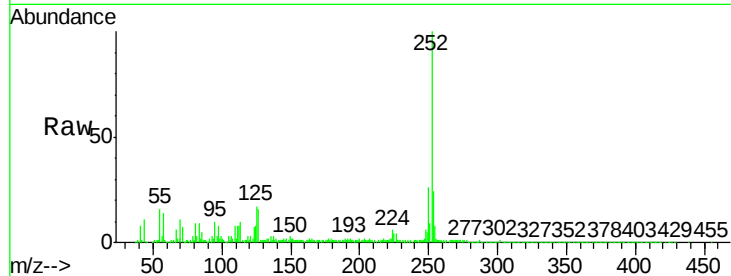




#87
Benzo(b)fluoranthene
Concen: 119.93 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.05 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

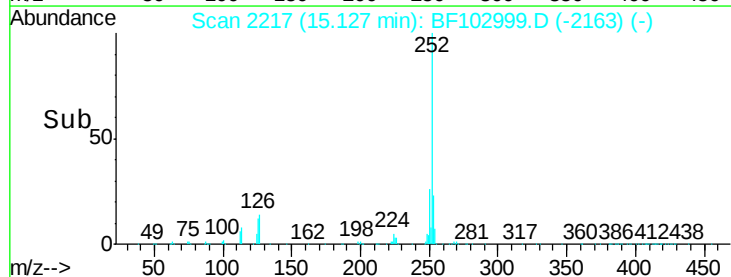
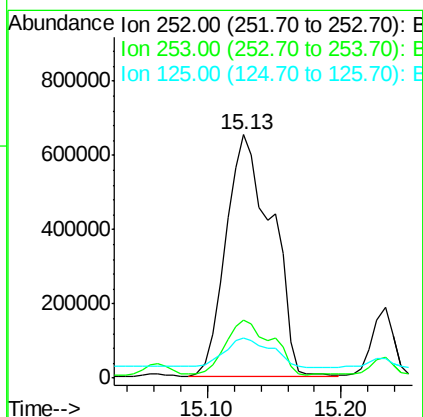
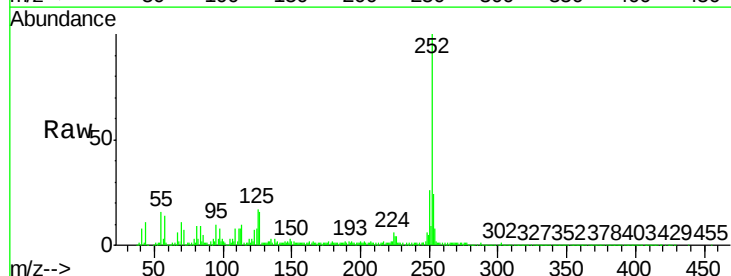
Instrument :
BNA_F
ClientSampleId :

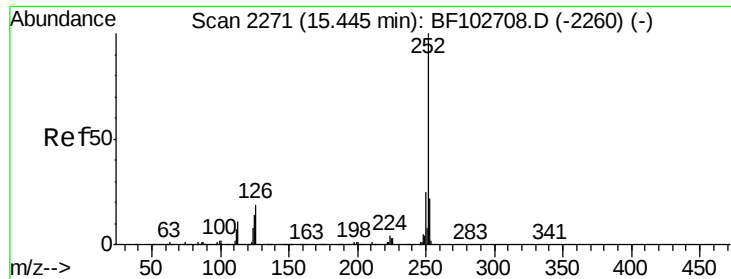
Tot Ion:252 Resp: 1553639
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 16.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 125.51 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.02 min
Lab File: BF102999.D
Acq: 14 Feb 2018 19:40

Tgt Ion:252 Resp: 1553639
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 16.7 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 77.23 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.06 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

Instrument :

BNA_F

ClientSampleId :

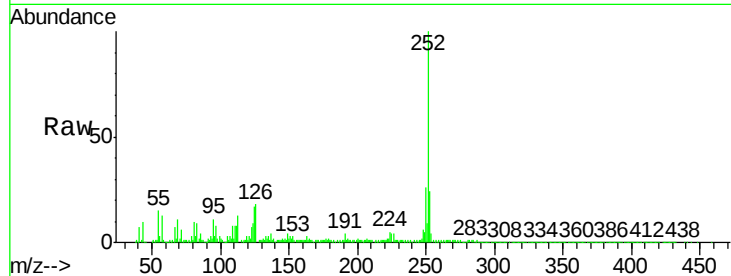
Tot Ion:252 Resp: 900575

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

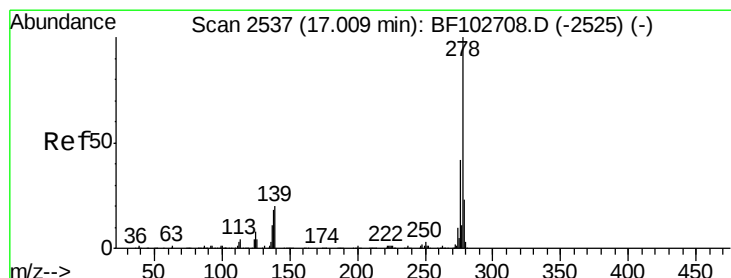
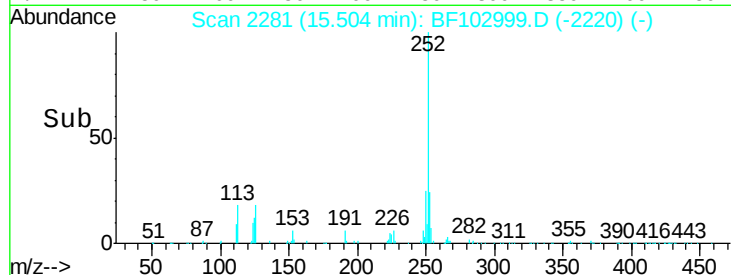
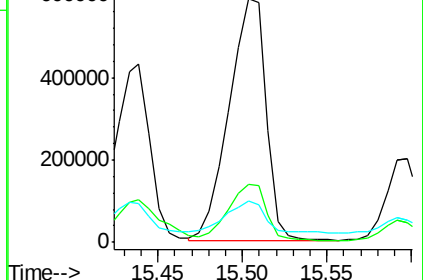
125 17.1 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 16.64 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.07 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

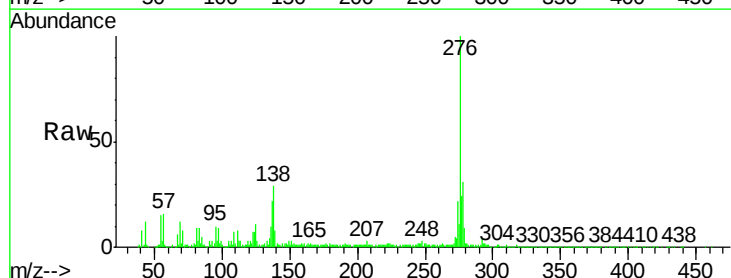
Tgt Ion:278 Resp: 157539

Ion Ratio Lower Upper

278 100

139 26.8 15.9 23.9#

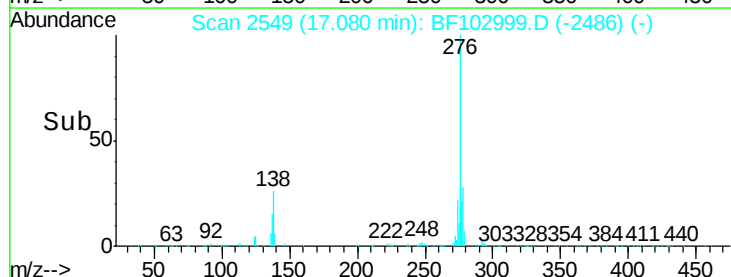
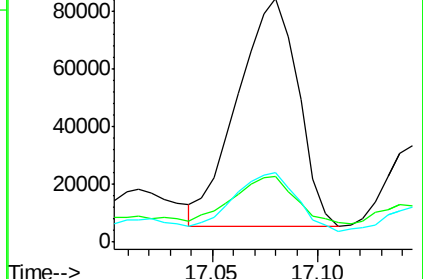
279 28.7 19.0 28.4#

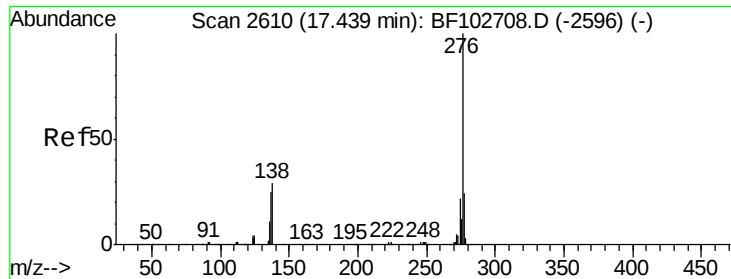


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 62.29 ng

RT: 17.54 min Scan# 2627

Delta R.T. 0.10 min

Lab File: BF102999.D

Acq: 14 Feb 2018 19:40

Instrument :

BNA_F

ClientSampleId :

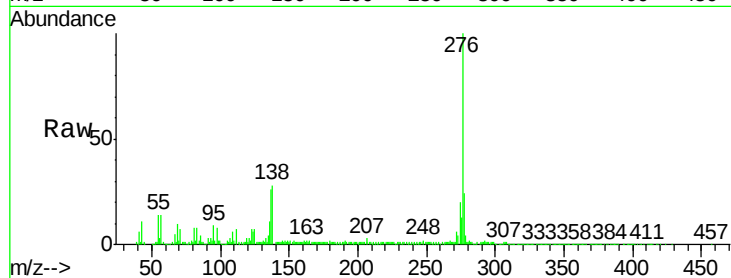
Tot Ion: 276 Resp: 577077

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 28.4 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

