

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103712.D
 Acq On : 16 Mar 2018 22:27
 Operator : JU/SJ
 Sample : J1756-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 17 03:21:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	144094	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	539409	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	209473	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	323131	20.00	ng	0.00
75) Chrysene-d12	14.16	240	299806	20.00	ng	0.00
86) Perylene-d12	15.69	264	221003	20.00	ng	0.01

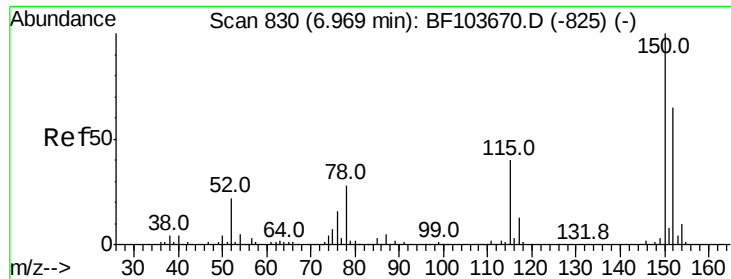
System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	965575	101.92	ng	0.01
7) Phenol-d6	6.59	99	1153892	99.56	ng	0.00
23) Nitrobenzene-d5	7.53	82	666064	86.11	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	177129	98.35	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	998385	76.03	ng	0.00
78) Terphenyl-d14	13.09	244	802285	62.11	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.60	94	41692	3.385	ng	96
19) n-Nitroso-di-n-propylamine	7.53	70	89859	12.098	ng	# 74
25) Isophorone	7.53	82	666064	37.198	ng	# 64
31) Naphthalene	8.27	128	98209	3.604	ng	99
32) Benzoic acid	7.92	122	254	9.942	ng	# 75
37) 2-Methylnaphthalene	8.96	142	46852	2.711	ng	99
47) 2-Nitroaniline	9.59	65	678	6.975	ng	# 2
48) Acenaphthylene	9.87	152	91702	4.263	ng	99
49) Dimethylphthalate	9.72	163	118138	7.392	ng	99
50) 2,6-Dinitrotoluene	9.71	165	1337	4.380	ng	# 1
51) Acenaphthene	10.04	154	31438	2.461	ng	99
52) 3-Nitroaniline	10.22	138	366	3.905	ng	# 2
55) 4-Nitrophenol	10.32	139	1483	5.445	ng	87
56) 2,4-Dinitrotoluene	10.16	165	1196	6.479	ng	# 45
57) Fluorene	10.56	166	50291	3.552	ng	98
61) 4-Nitroaniline	10.56	138	783	3.952	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	516	8.595	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	11681	3.521	ng	# 1
70) Phenanthrene	11.53	178	277529	15.701	ng	99
71) Anthracene	11.57	178	112527	6.268	ng	99
74) Fluoranthene	12.72	202	438720	24.092	ng	98
77) Pyrene	12.95	202	472145	21.444	ng	99
80) Benzo(a)anthracene	14.18	228	216090	11.387	ng	94
82) Chrysene	14.18	228	216090	11.945	ng	98
87) Benzo(b)fluoranthene	15.23	252	301718	21.609	ng	# 92
88) Benzo(k)fluoranthene	15.23	252	301718	22.480	ng	# 95
89) Benzo(a)pyrene	15.63	252	164163	12.963	ng	# 94
90) Dibenzo(a,h)anthracene	17.27	278	22153	2.020	ng	# 71
91) Benzo(g,h,i)perylene	17.74	276	84439	7.915	ng	97

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

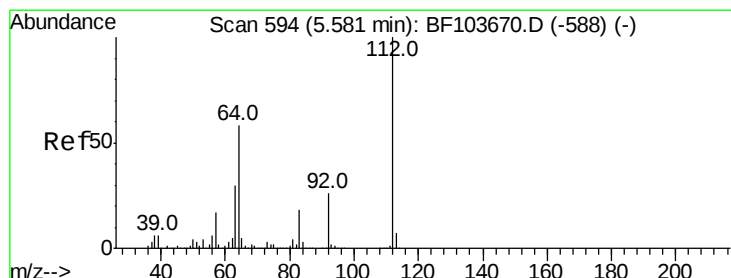
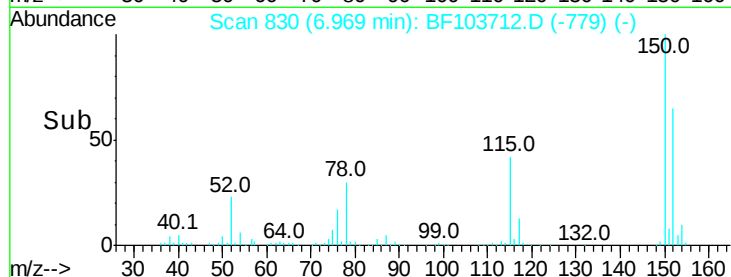
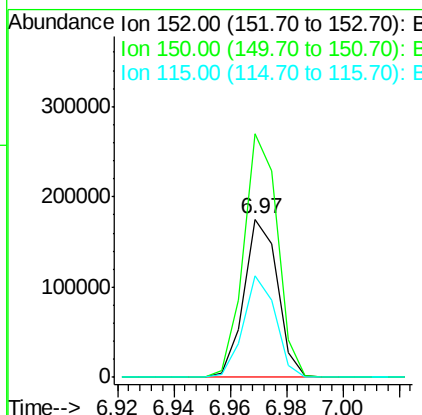
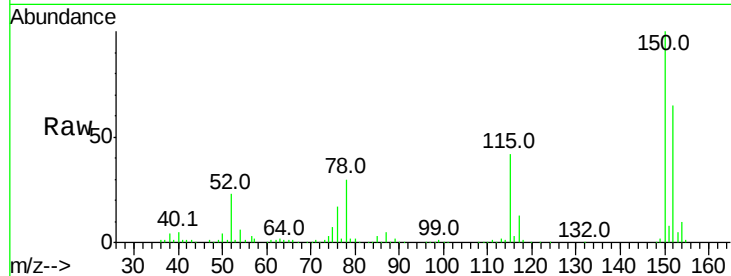


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

Instrument :
BNA_F
ClientSampleId :

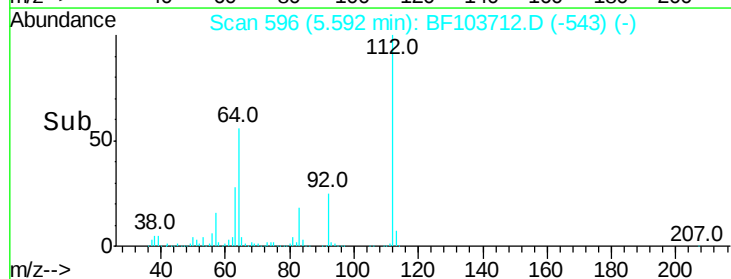
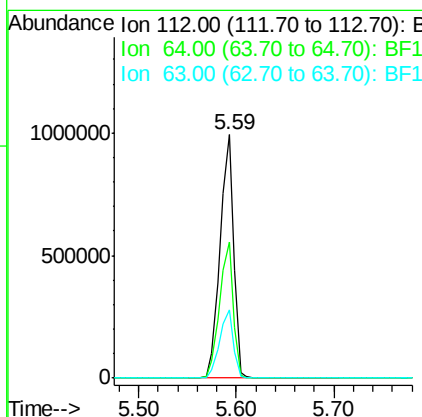
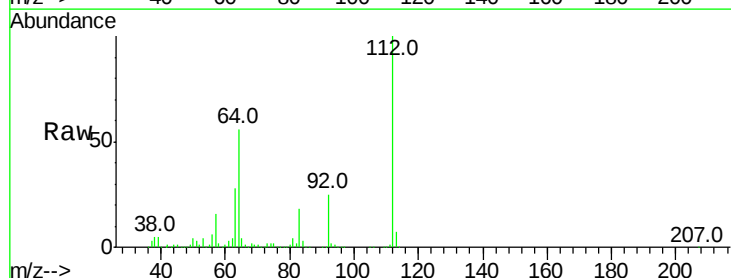
Tot Ion:152 Resp: 144094
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 64.0 50.1 75.1

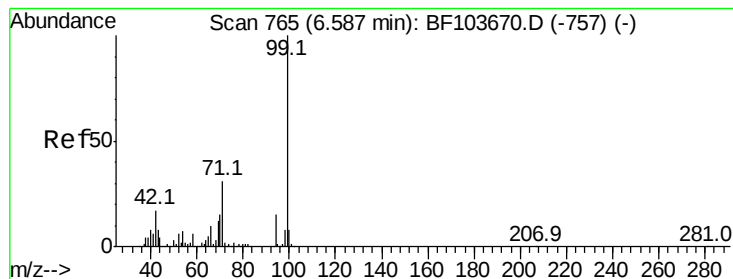


#5

2-Fluorophenol
Concen: 101.922 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

Tgt Ion:112 Resp: 965575
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 28.2 23.7 35.5





#7

Phenol-d6

Concen: 99.556 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Instrument :

BNA_F

ClientSampleId :

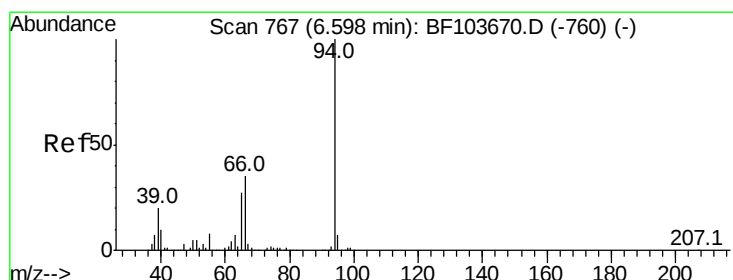
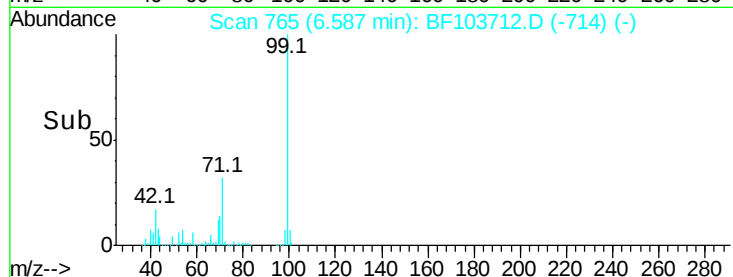
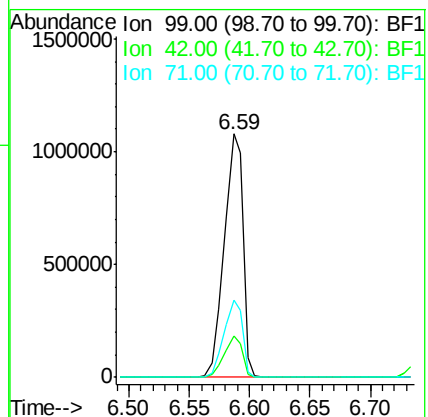
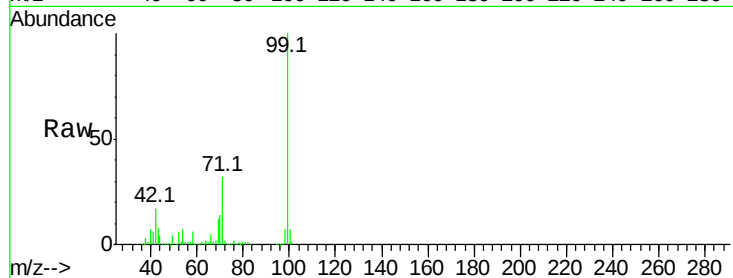
Tot Ion: 99 Resp: 1153892

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

71 31.9 25.4 38.0



#10

Phenol

Concen: 3.385 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

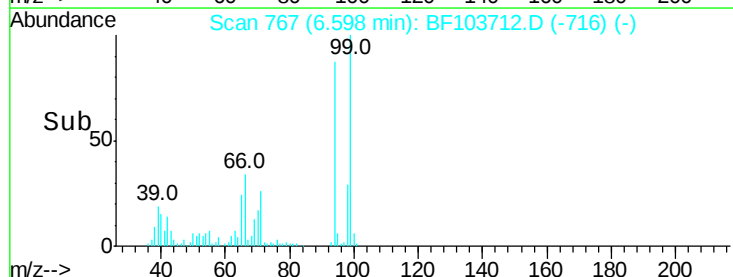
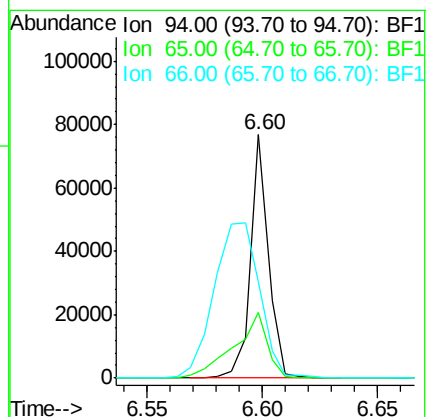
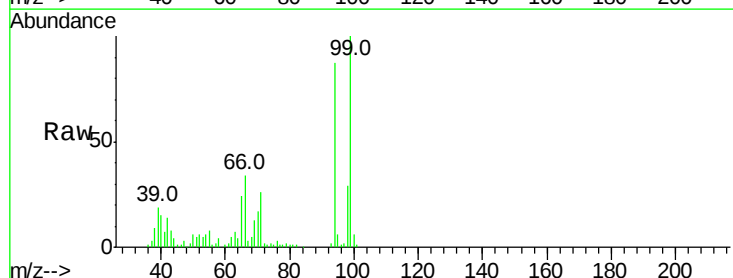
Tgt Ion: 94 Resp: 41692

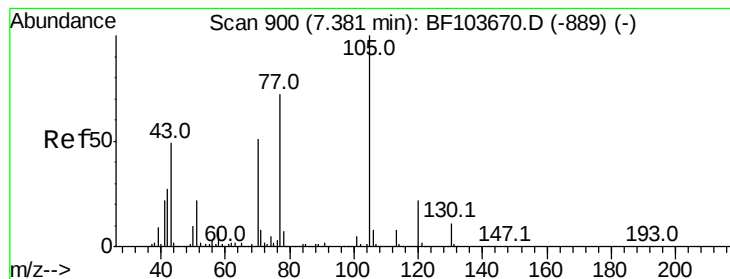
Ion Ratio Lower Upper

94 100

65 27.2 7.9 47.9

66 39.7 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.098 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 89859

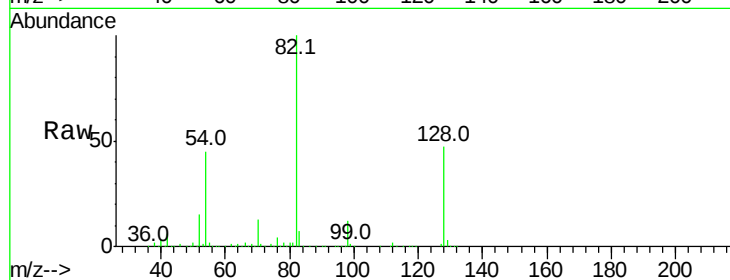
Ion Ratio Lower Upper

70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

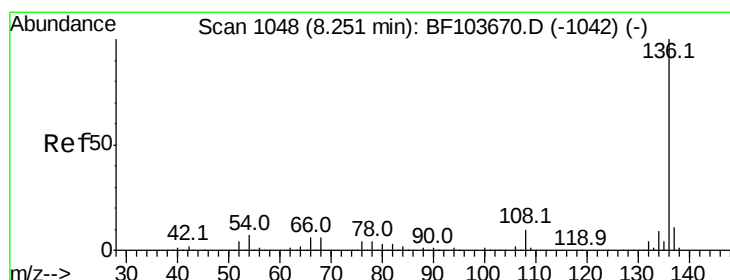
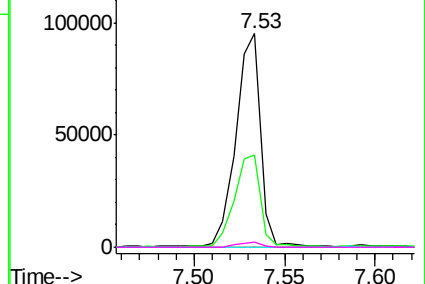
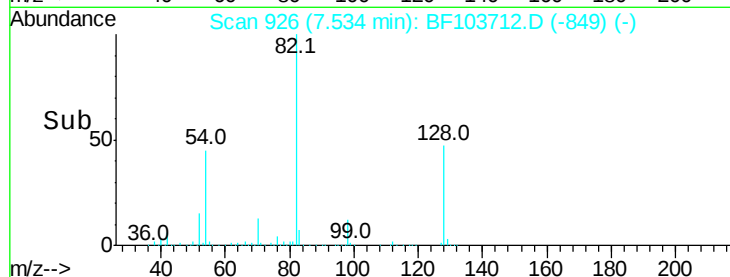


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Tgt Ion:136 Resp: 539409

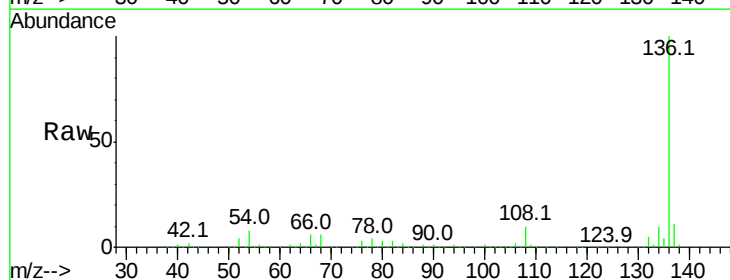
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.9 6.6 9.8

68 6.3 5.0 7.4

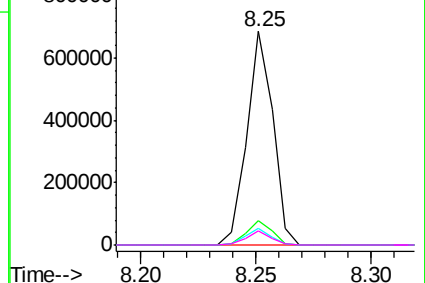
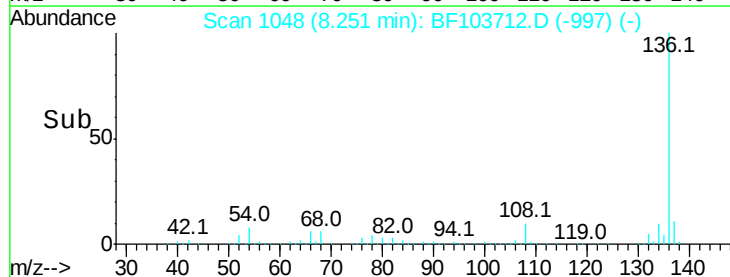


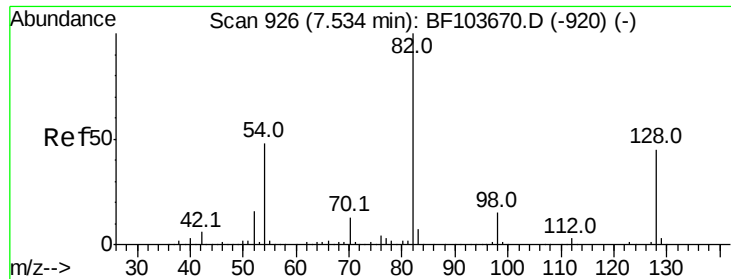
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

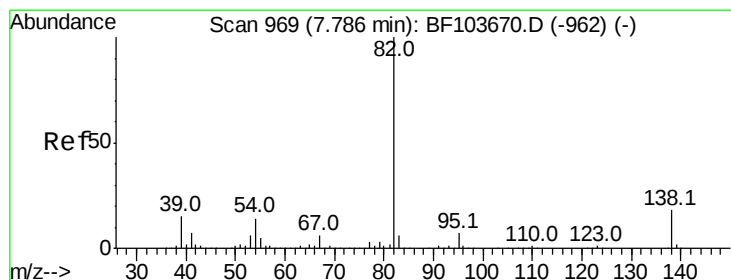
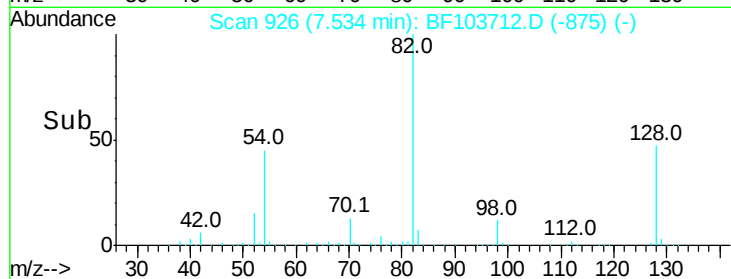
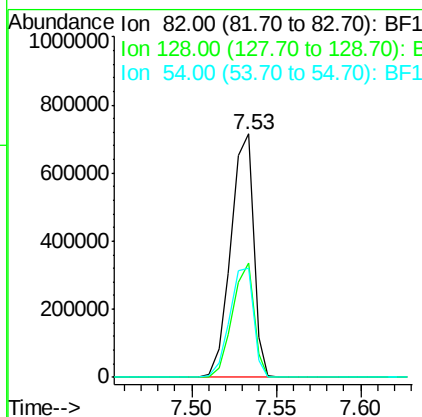
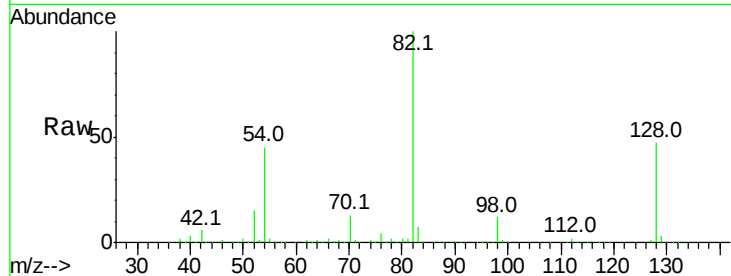




#23
Nitrobenzene-d5
Concen: 86.110 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

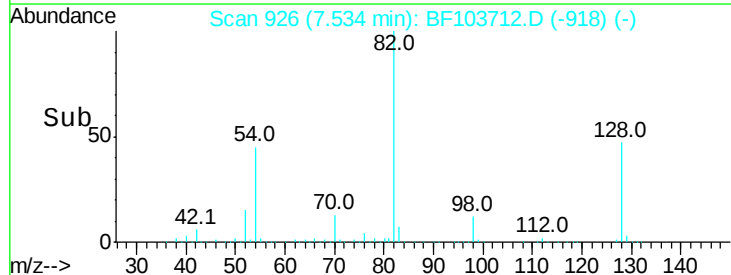
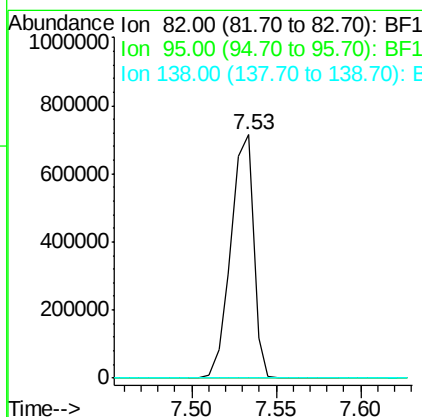
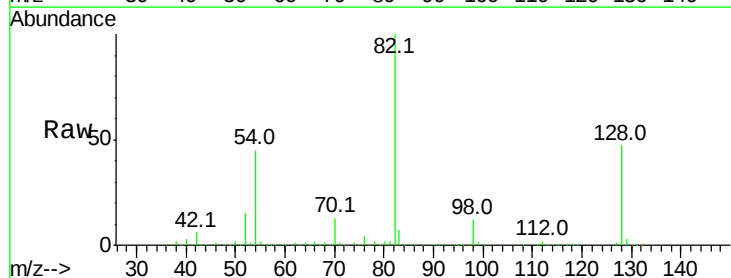
Instrument :
BNA_F
ClientSampleId :

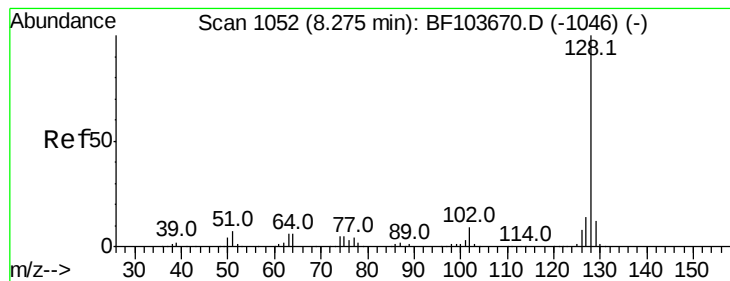
Tot Ion: 82 Resp: 666064
Ion Ratio Lower Upper
82 100
128 46.9 36.1 54.1
54 44.8 41.4 62.2



#25
Isophorone
Concen: 37.198 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

Tgt Ion: 82 Resp: 666064
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#





#31

Naphthalene

Concen: 3.604 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Instrument :

BNA_F

ClientSampleId :

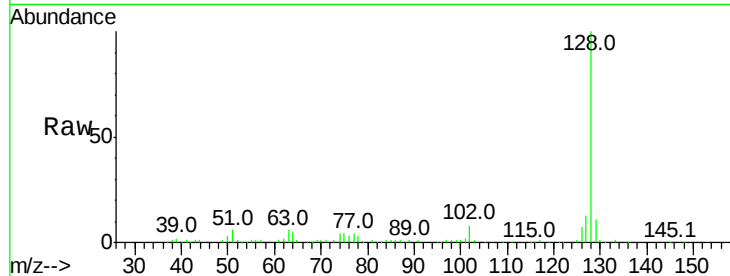
Tot Ion:128 Resp: 98209

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

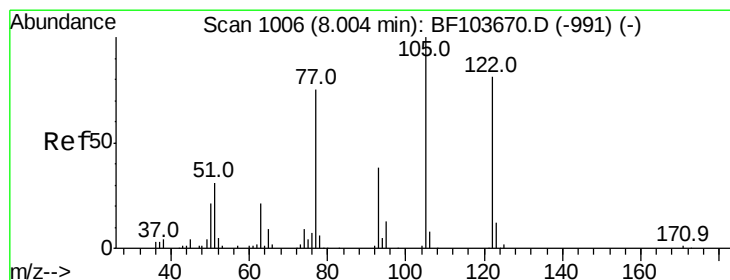
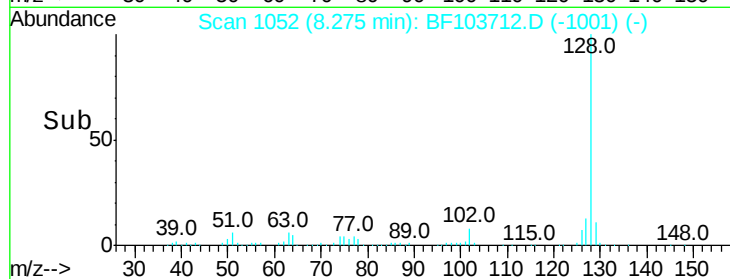
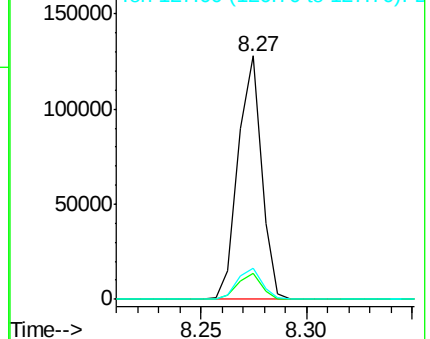
127 13.0 10.9 16.3



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: 9.942 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.09 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

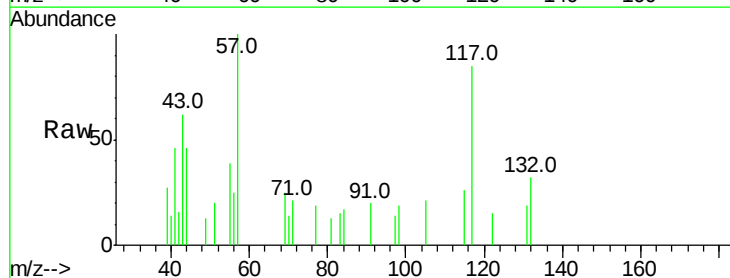
Tgt Ion:122 Resp: 254

Ion Ratio Lower Upper

122 100

105 139.9 101.1 141.1

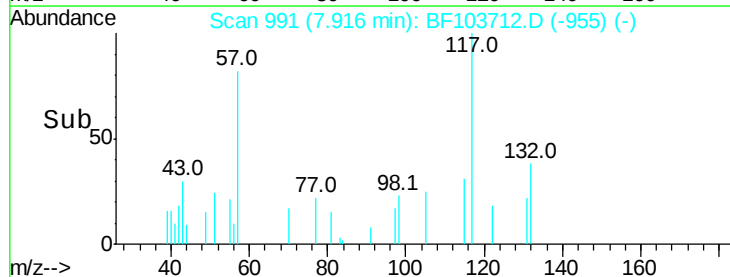
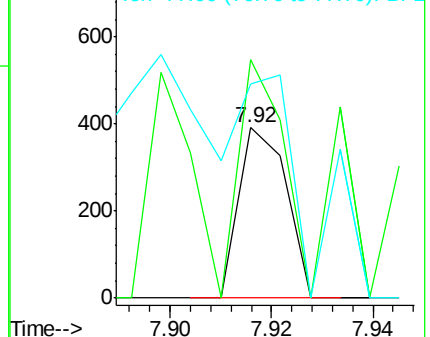
77 125.6 70.7 110.7#

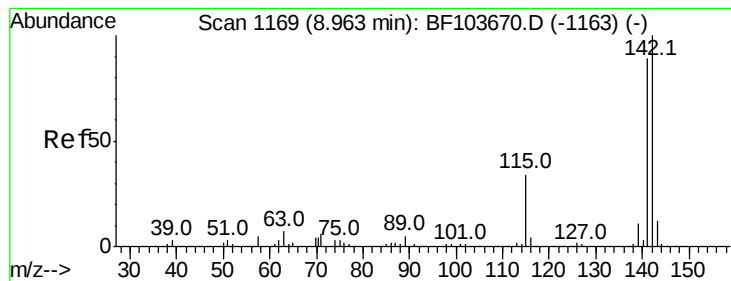


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#37

2-Methylnaphthalene

Concen: 2.711 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Instrument :

BNA_F

ClientSampleId :

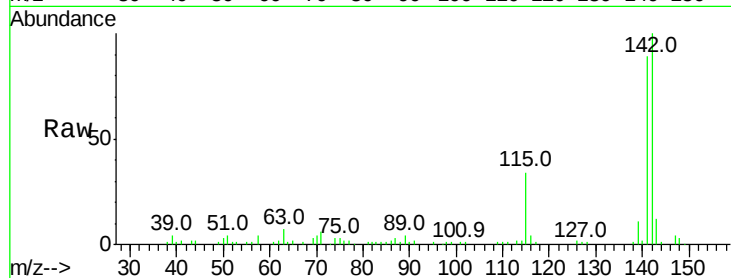
Tot Ion:142 Resp: 46852

Ion Ratio Lower Upper

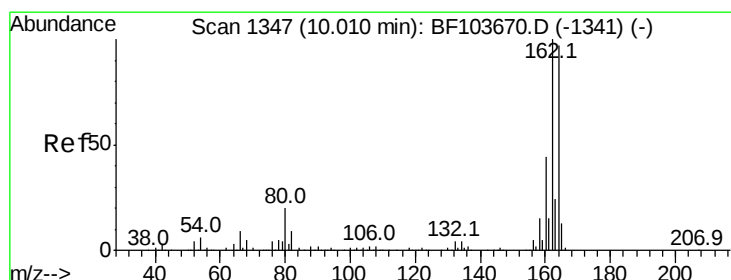
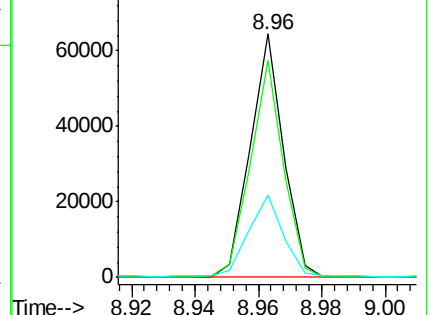
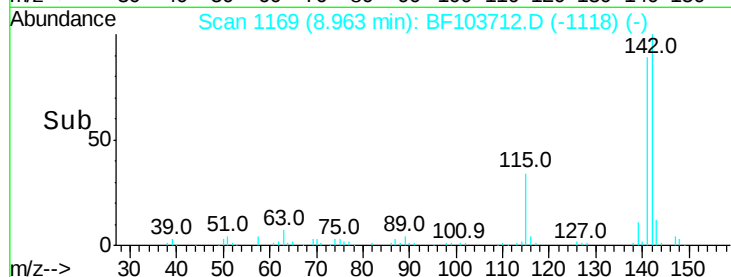
142 100

141 89.1 70.8 106.2

115 34.0 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

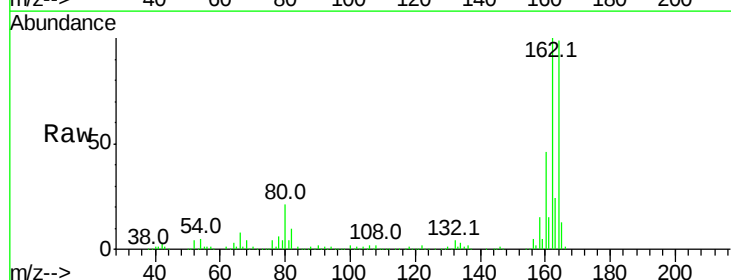
Tgt Ion:164 Resp: 209473

Ion Ratio Lower Upper

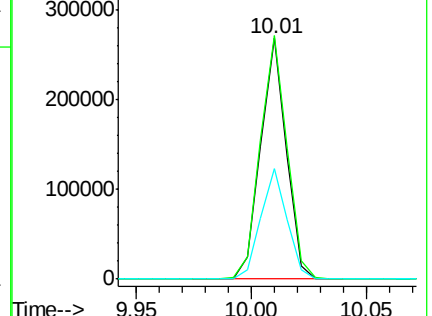
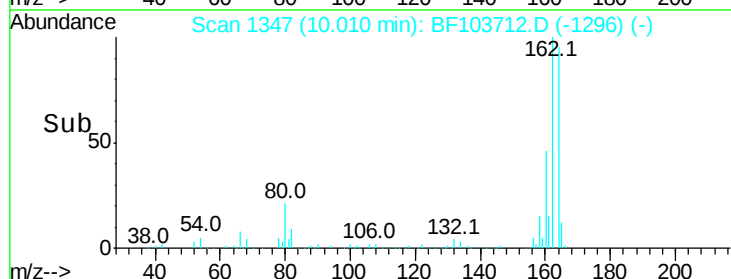
164 100

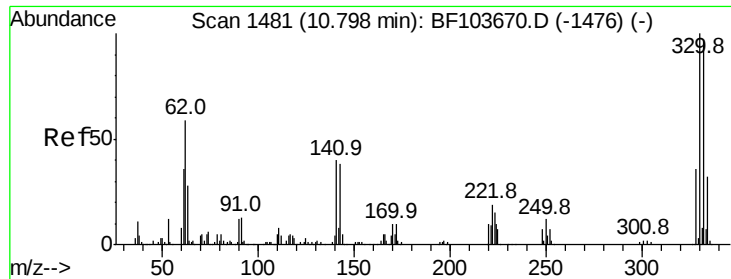
162 101.2 86.1 129.1

160 46.2 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

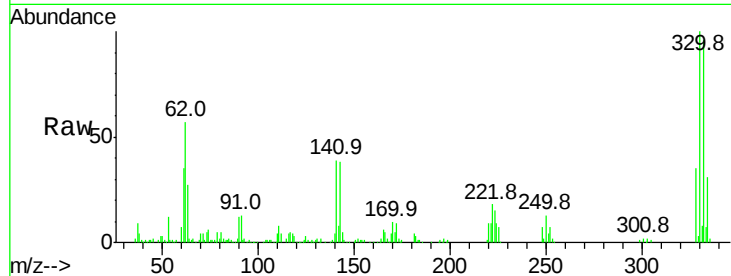




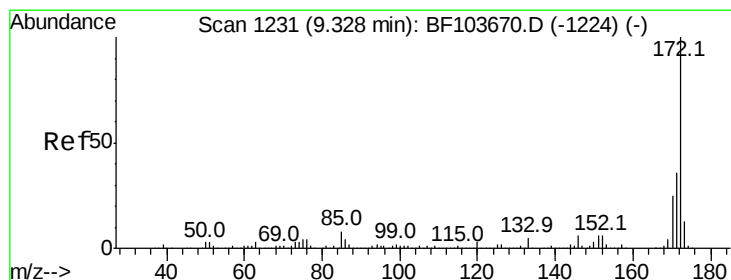
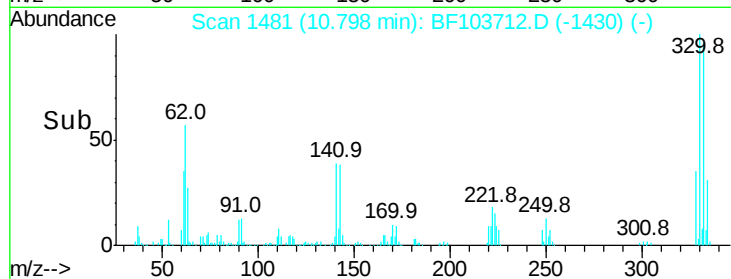
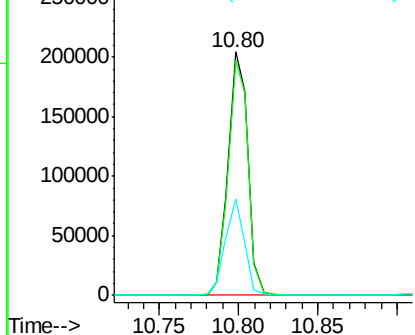
#41
 2,4,6-Tribromophenol
 Concen: 98.347 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	37.6	29.9	44.9

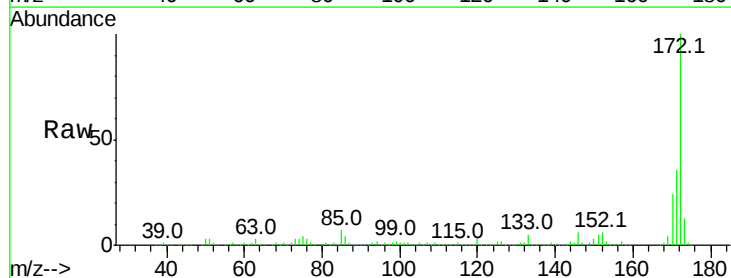


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

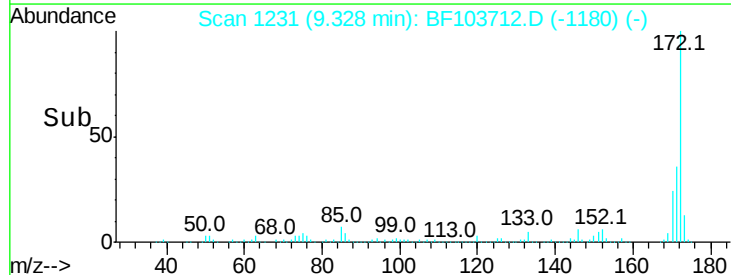
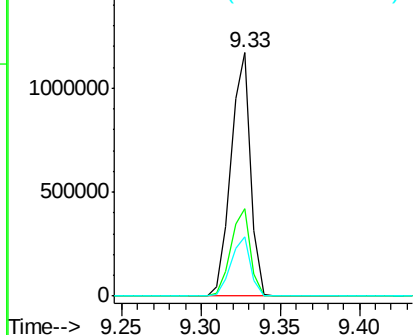


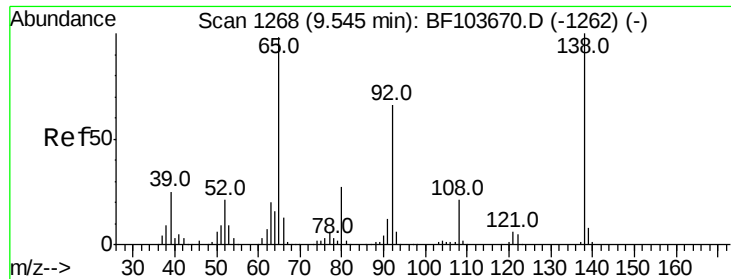
#44
 2-Fluorobiphenyl
 Concen: 76.028 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.3	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

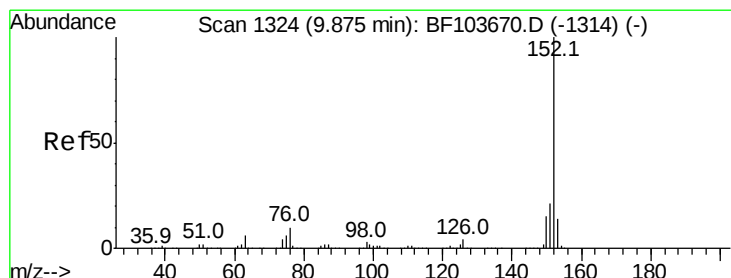
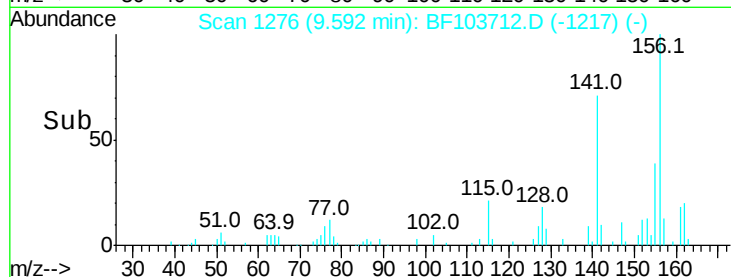
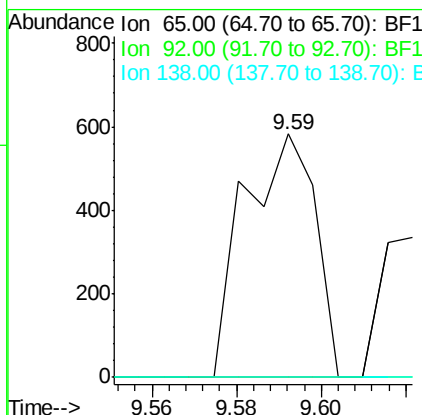
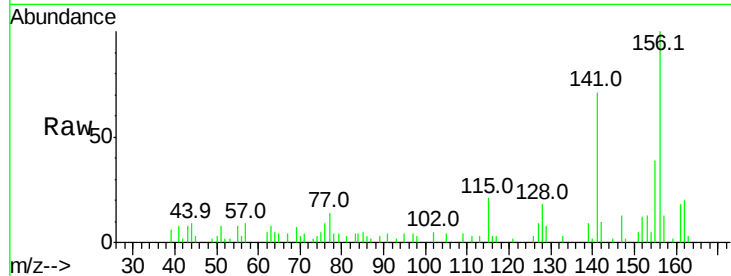




#47
2-Nitroaniline
Concen: 6.975 ng
RT: 9.59 min Scan# 1276
Delta R.T. 0.05 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

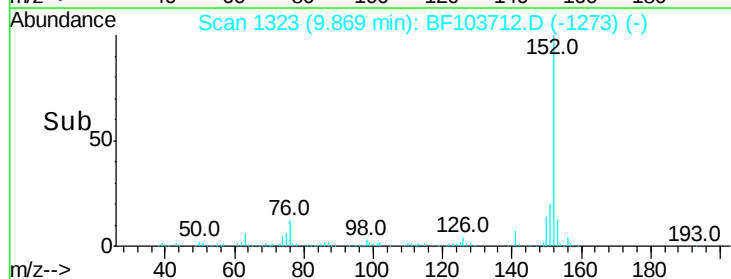
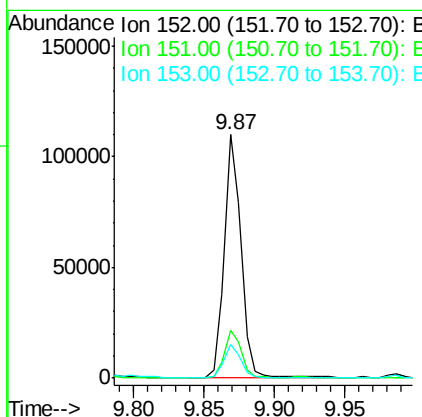
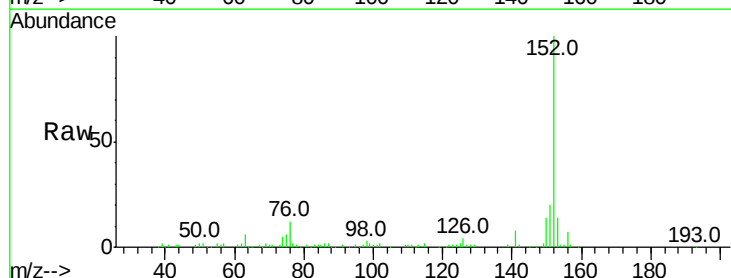
Instrument :
BNA_F
ClientSampleId :

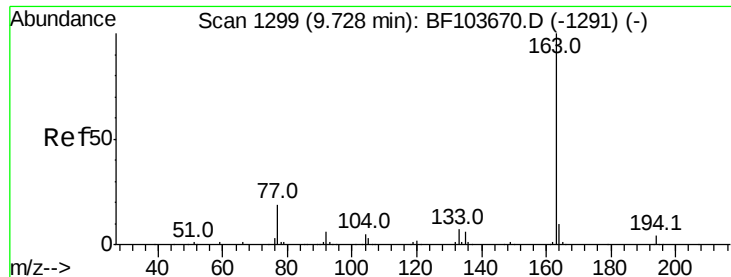
Tot Ion: 65 Resp: 678
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#48
Acenaphthylene
Concen: 4.263 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

Tgt Ion:152 Resp: 91702
Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 13.8 10.7 16.1

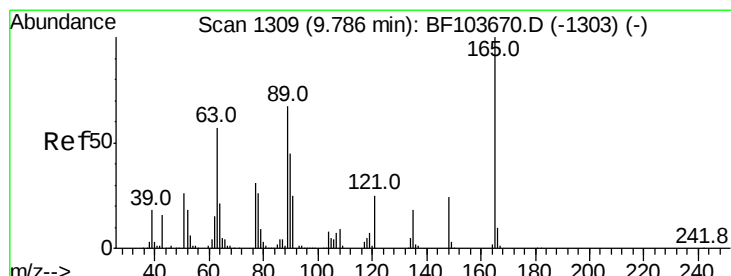
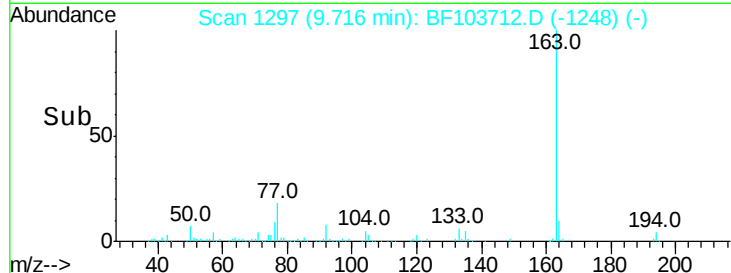
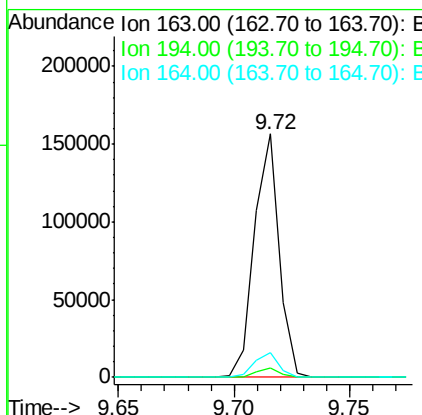
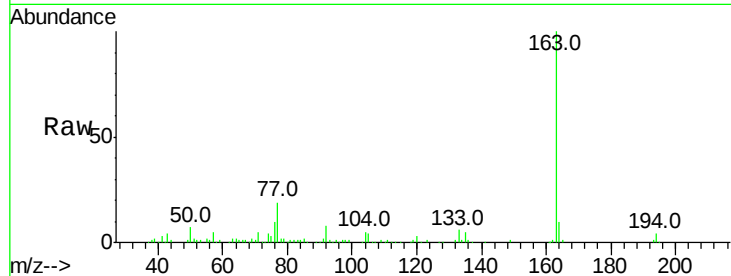




#49
Dimethylphthalate
Concen: 7.392 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

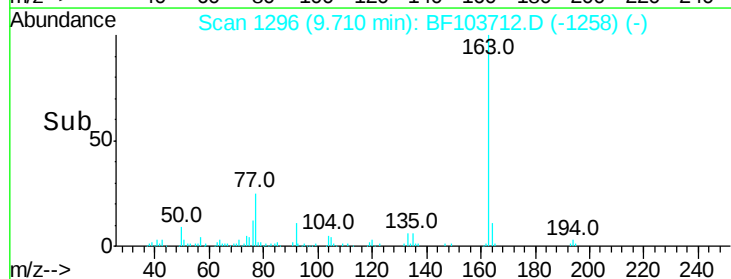
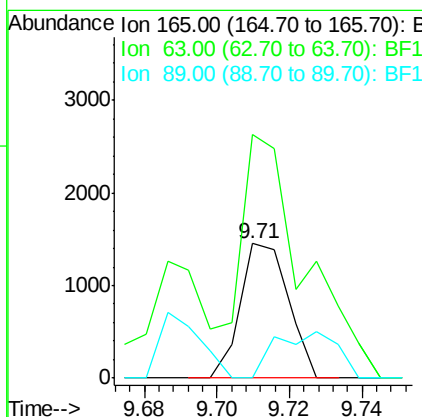
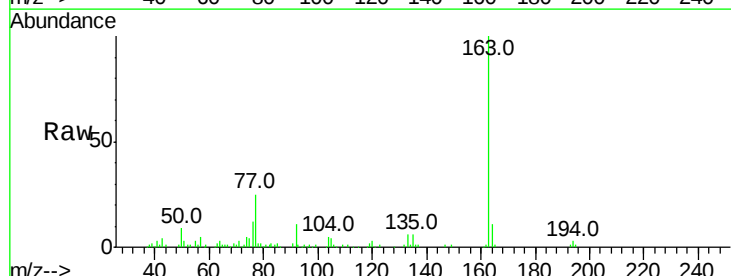
Instrument :
BNA_F
ClientSampleId :

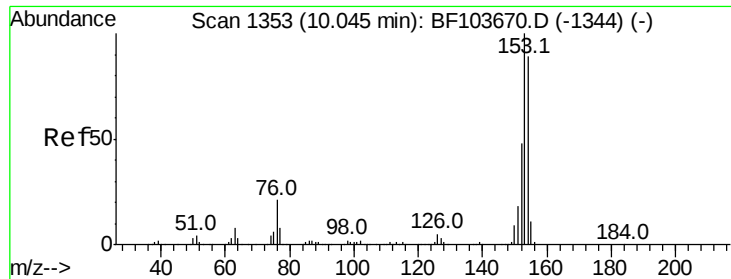
Tot Ion:163 Resp: 118138
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.0 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 4.380 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.08 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

Tgt Ion:165 Resp: 1337
Ion Ratio Lower Upper
165 100
63 181.4 44.7 67.1#
89 0.0 44.0 66.0#





#51

Acenaphthene

Concen: 2.461 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Instrument :

BNA_F

ClientSampled :

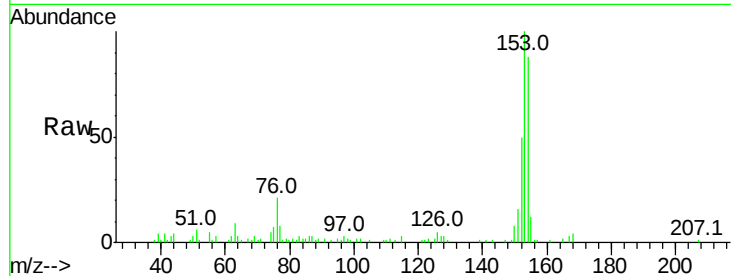
Tot Ion:154 Resp: 31438

Ion Ratio Lower Upper

154 100

153 113.4 91.2 136.8

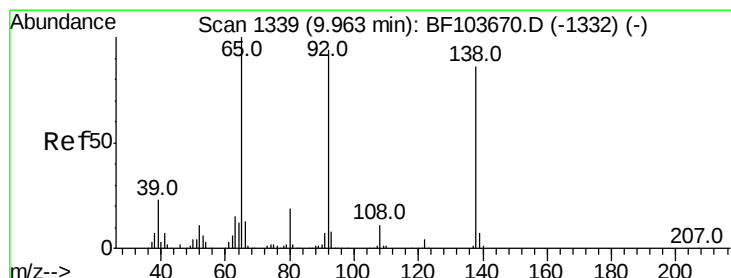
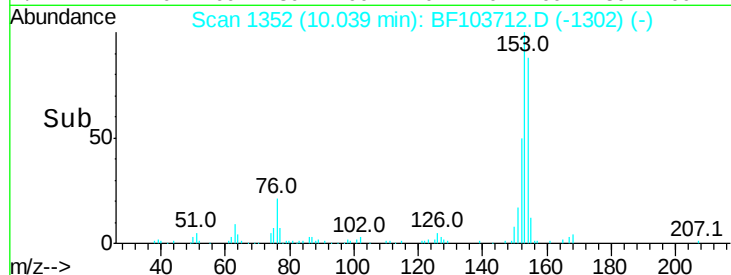
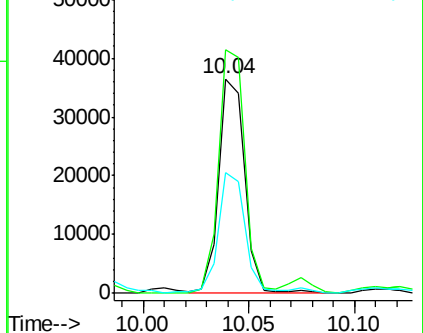
152 56.5 43.8 65.8



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



#52

3-Nitroaniline

Concen: 3.905 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.25 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

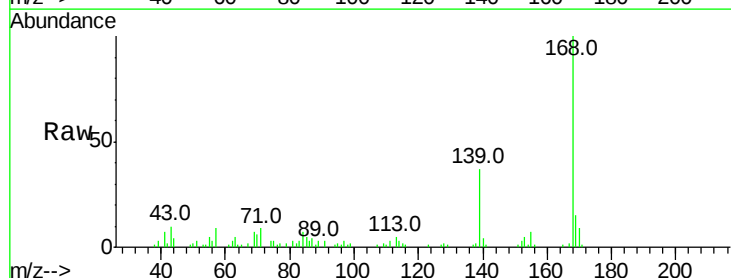
Tgt Ion:138 Resp: 366

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

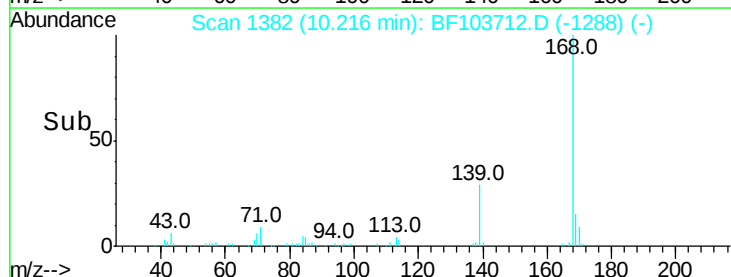
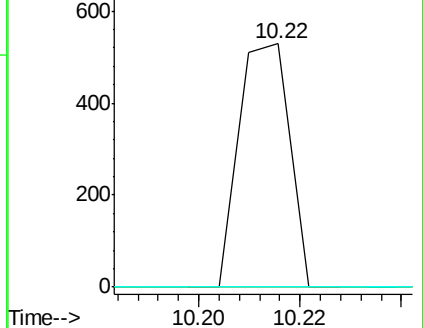
92 0.0 89.4 134.2#

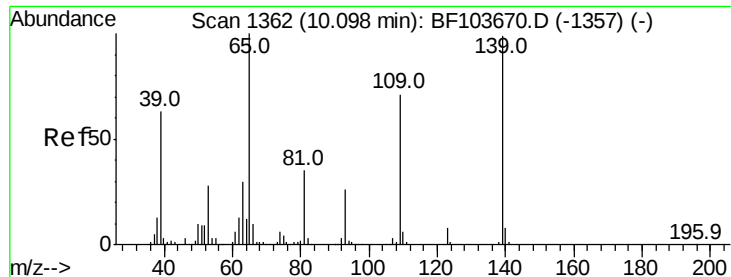


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#55

4-Nitrophenol

Concen: 5.445 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.22 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Instrument :

BNA_F

ClientSampled :

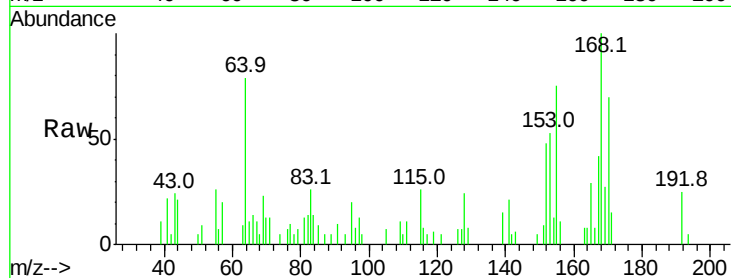
Tot Ion:139 Resp: 1483

Ion Ratio Lower Upper

139 100

109 72.6 48.4 88.4

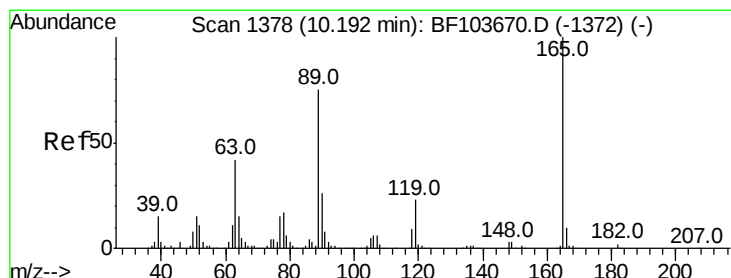
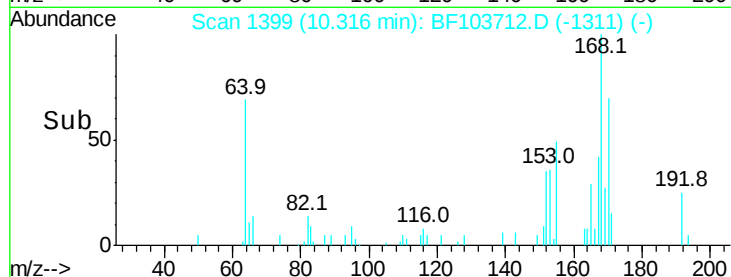
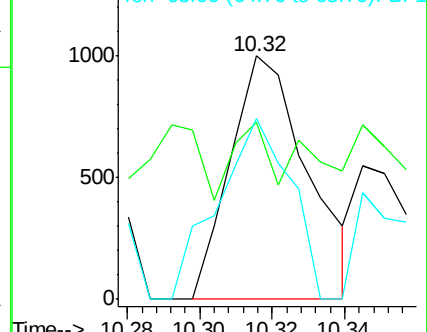
65 74.0 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.479 ng

RT: 10.16 min Scan# 1373

Delta R.T. -0.03 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Tgt Ion:165 Resp: 1196

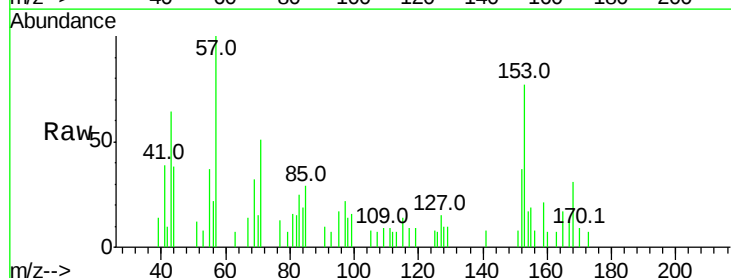
Ion Ratio Lower Upper

165 100

63 41.1 36.4 54.6

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

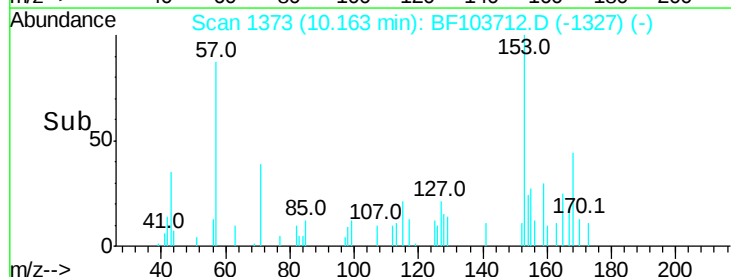
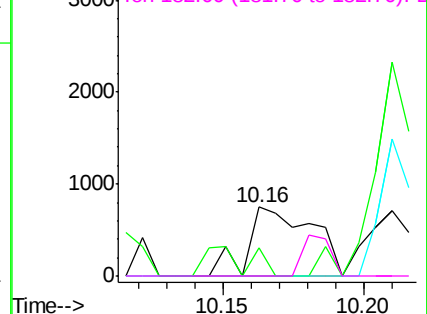


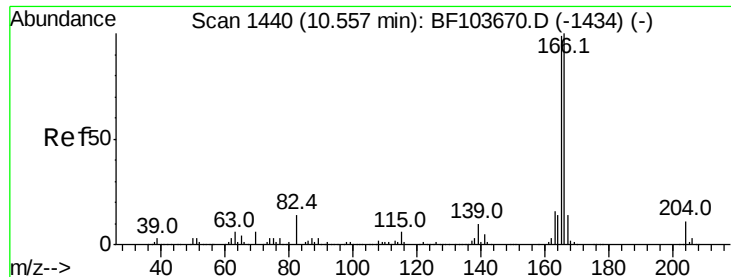
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

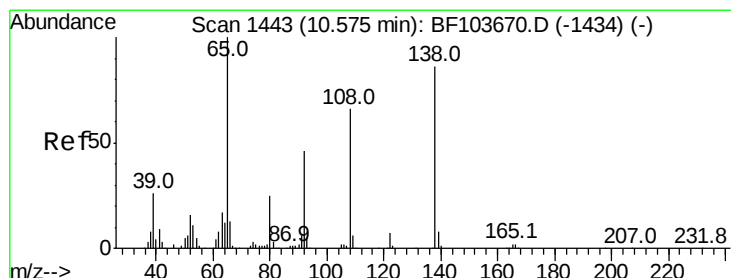
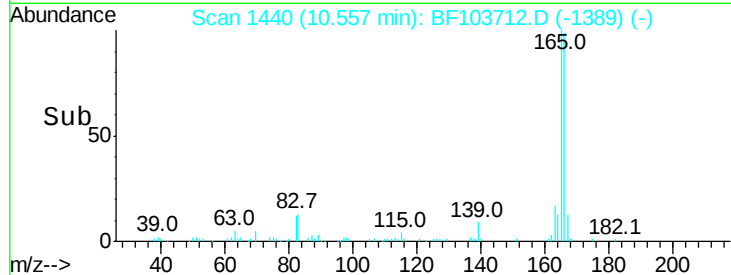
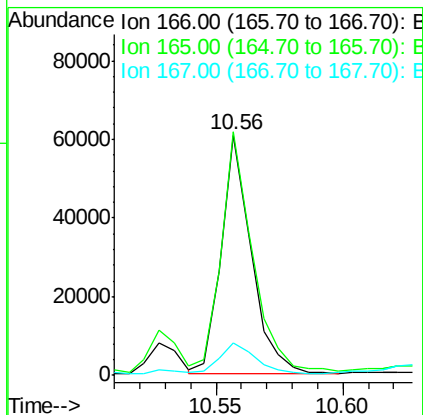
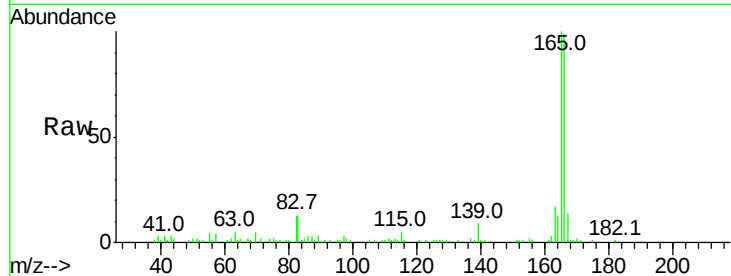




#57
Fluorene
 Concen: 3.552 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

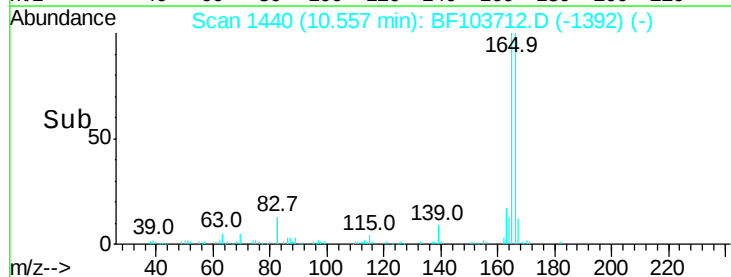
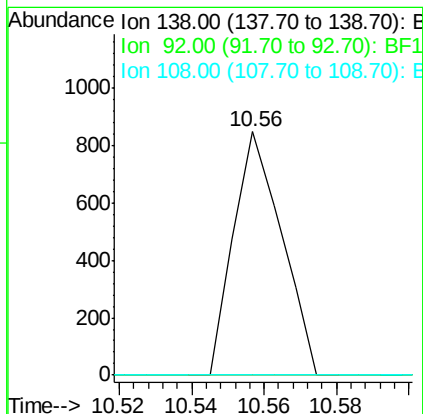
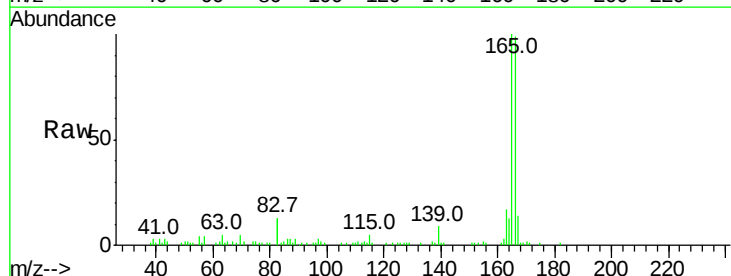
Instrument :
 BNA_F
 ClientSampleId :

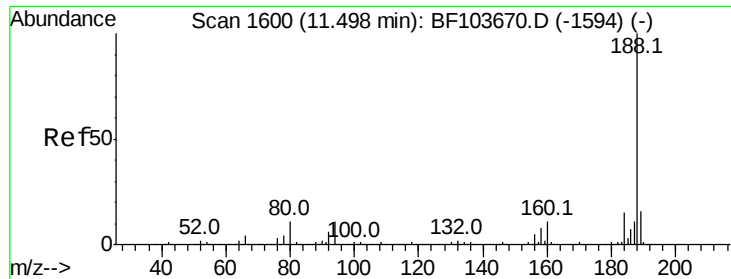
Tot Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.8	119.8
167	13.7	10.6	16.0



#61
4-Nitroaniline
 Concen: 3.952 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	30.2	70.2#
108	0.0	52.5	92.5#

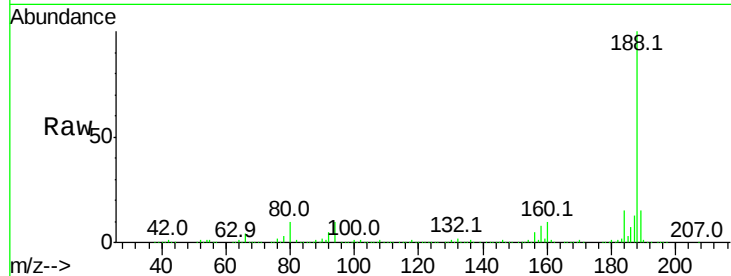




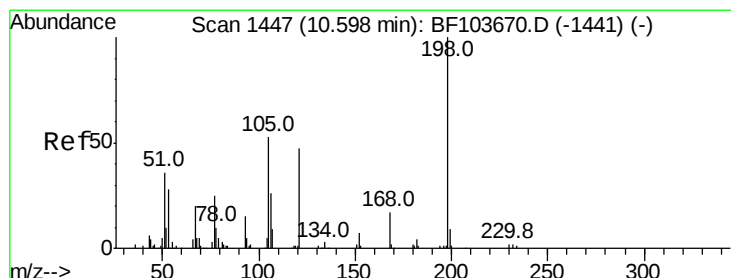
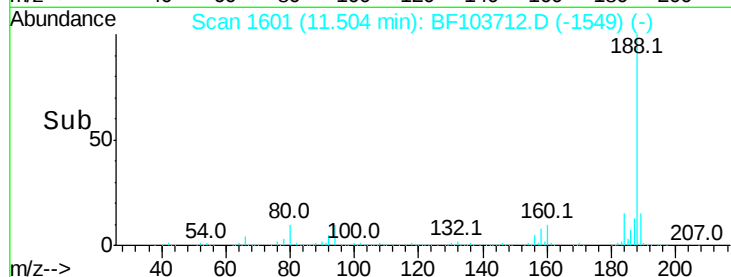
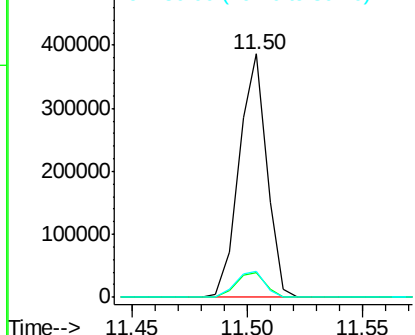
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 323131
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.4 9.2 13.8

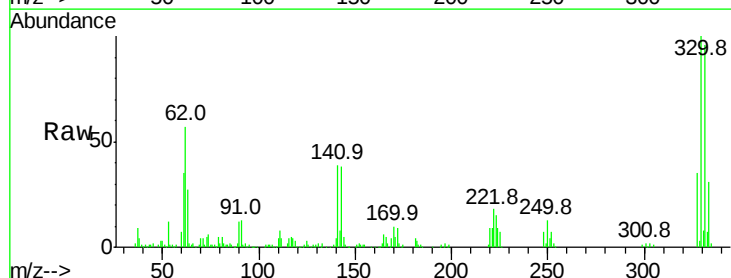


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

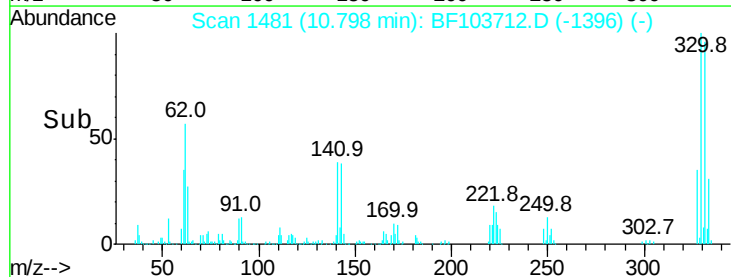
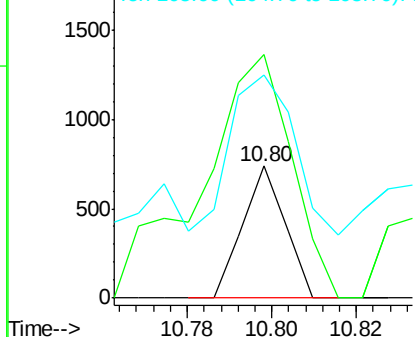


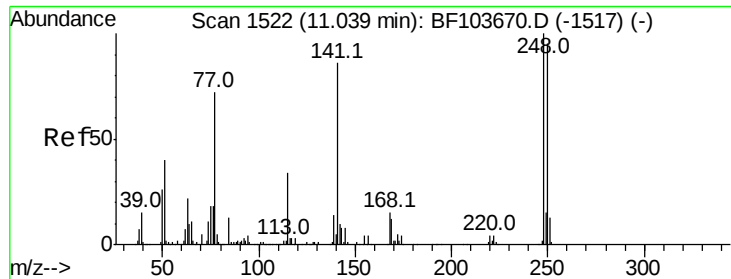
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.595 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.20 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

Tgt Ion:198 Resp: 516
 Ion Ratio Lower Upper
 198 100
 51 184.9 37.7 77.7#
 105 169.2 36.3 76.3#



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

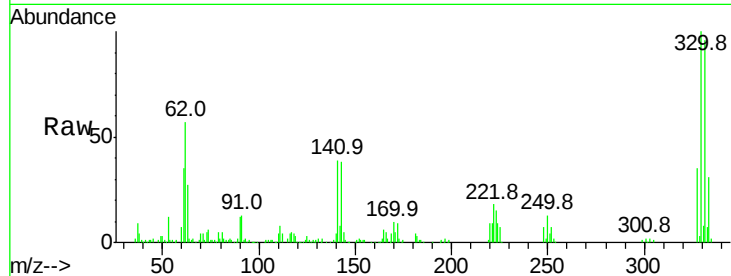




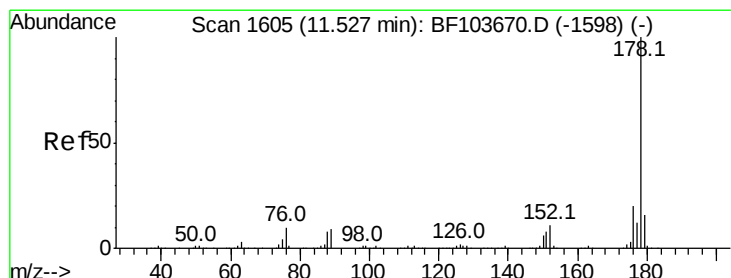
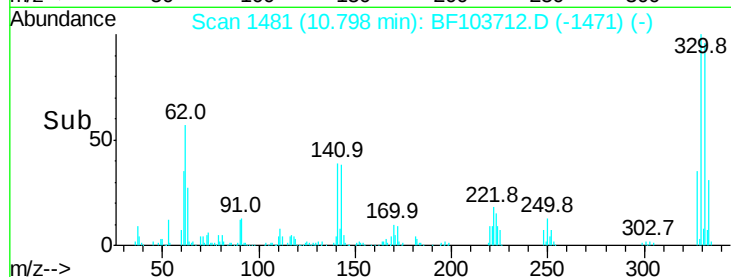
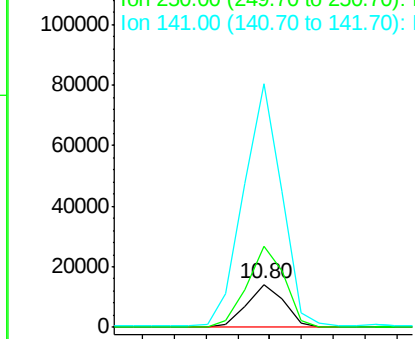
#66
4-Bromophenyl-phenylether
Concen: 3.521 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.24 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11681
Ion Ratio Lower Upper
248 100
250 188.5 76.9 115.3#
141 568.5 74.4 111.6#

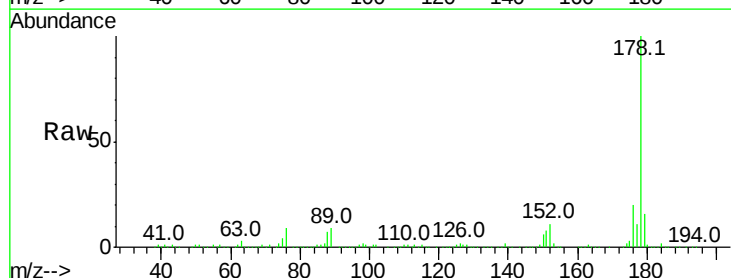


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

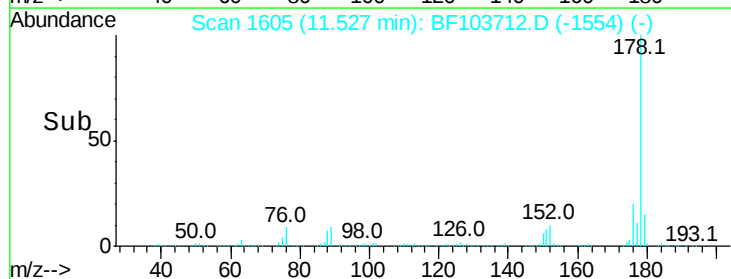
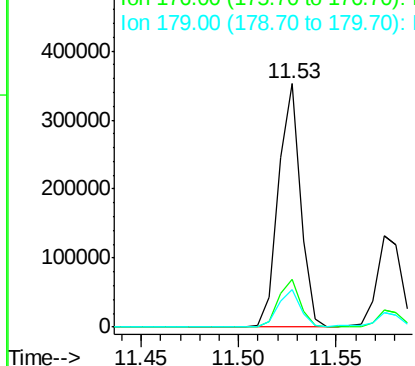


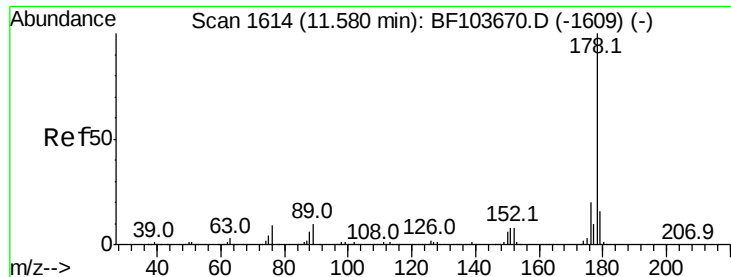
#70
Phenanthrene
Concen: 15.701 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

Tgt Ion:178 Resp: 277529
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.5 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

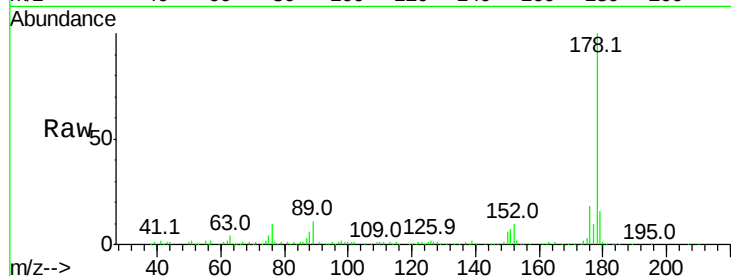




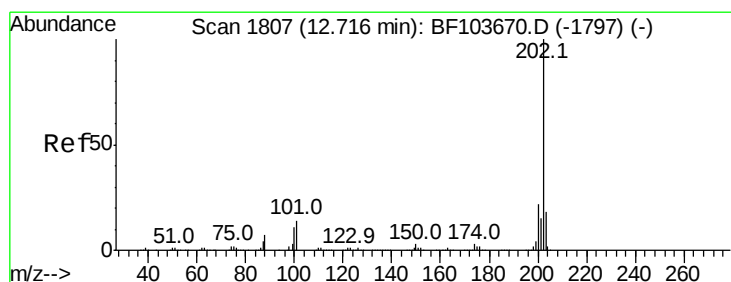
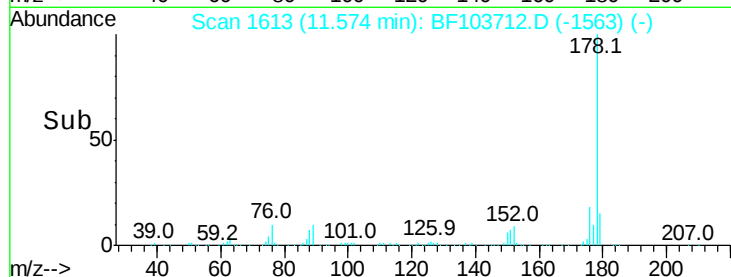
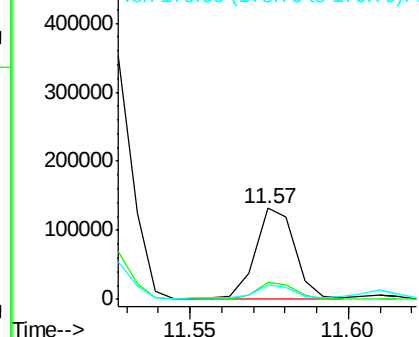
#71
 Anthracene
 Concen: 6.268 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 112527
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 15.9 12.6 19.0

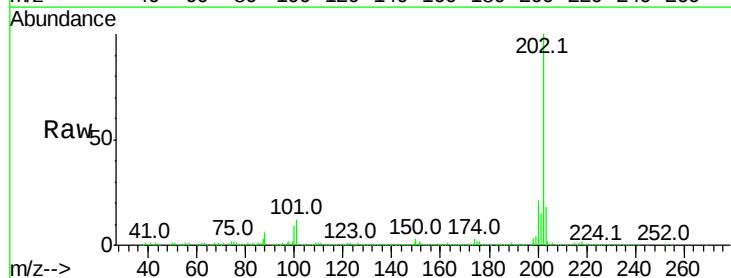


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

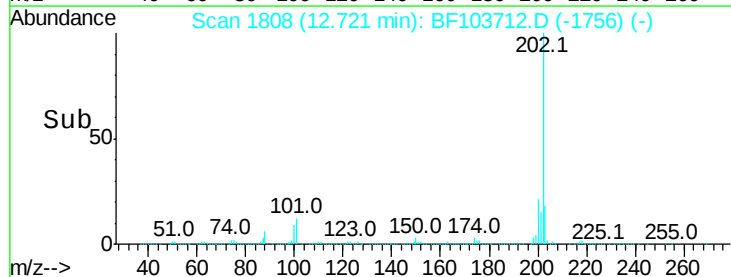
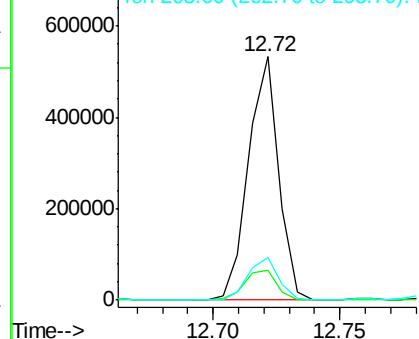


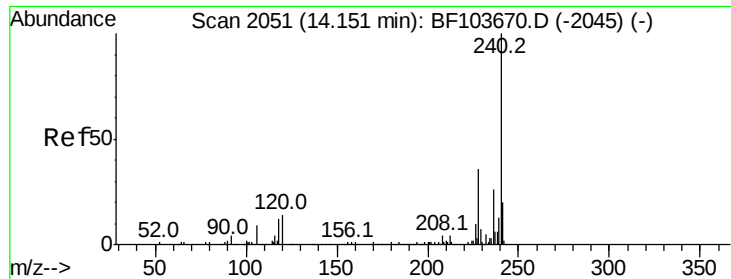
#74
 Fluoranthene
 Concen: 24.092 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

Tgt Ion:202 Resp: 438720
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 34.1
 203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Instrument :

BNA_F

ClientSampleId :

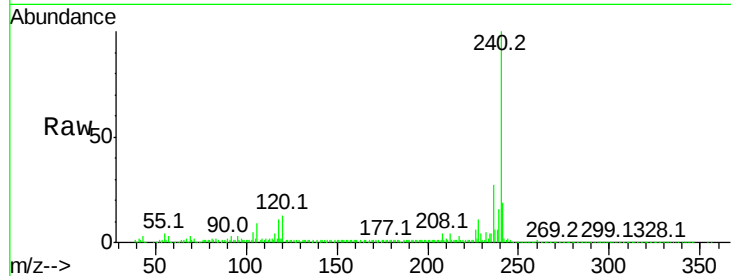
Tot Ion:240 Resp: 299806

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

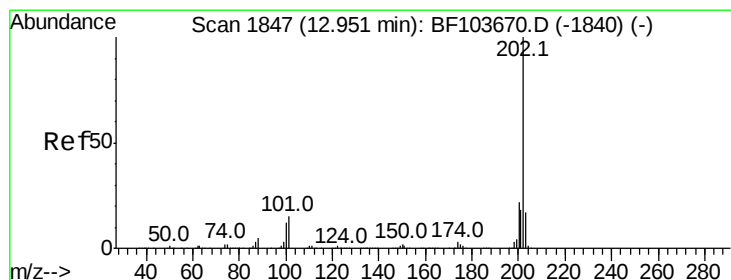
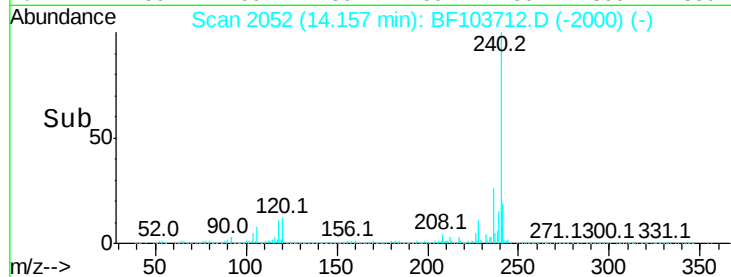
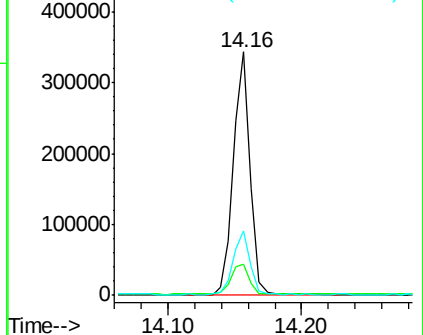
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 21.444 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

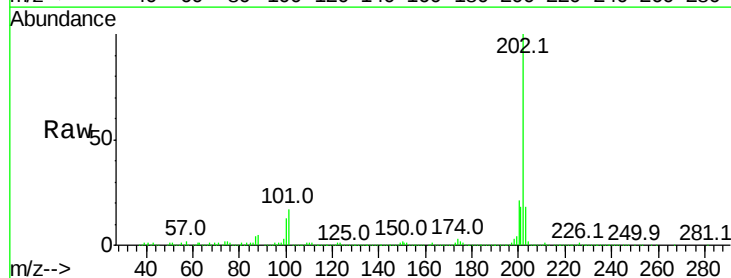
Tgt Ion:202 Resp: 472145

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

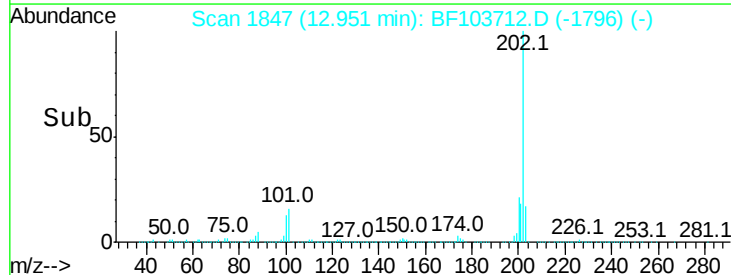
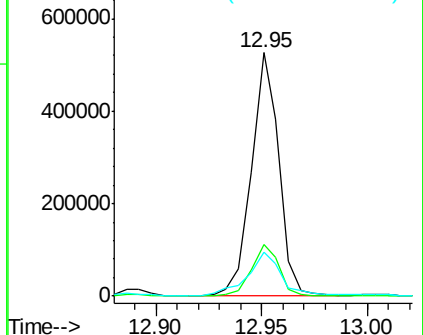
203 18.0 14.3 21.5

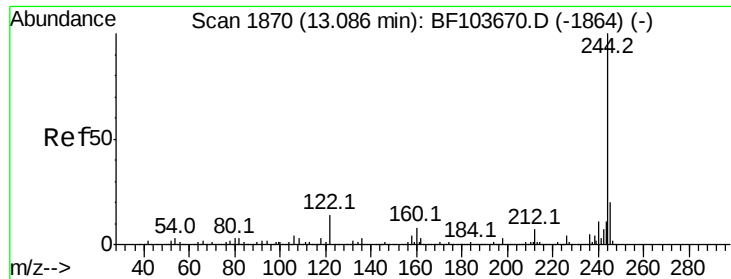


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

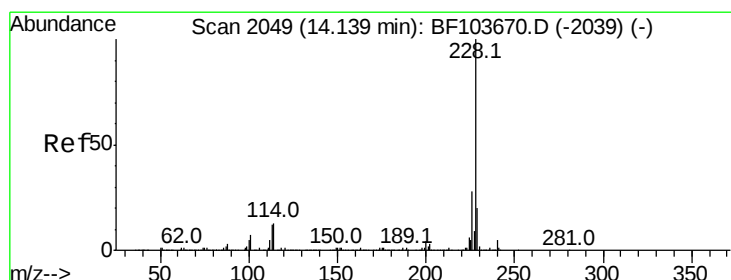
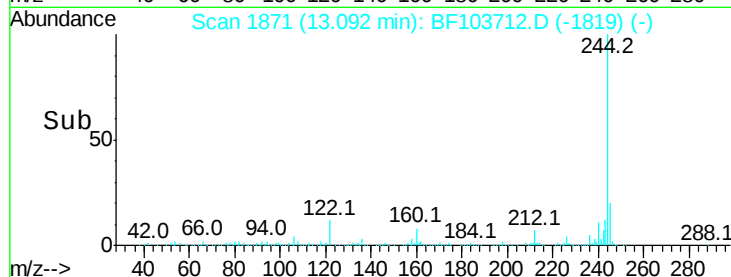
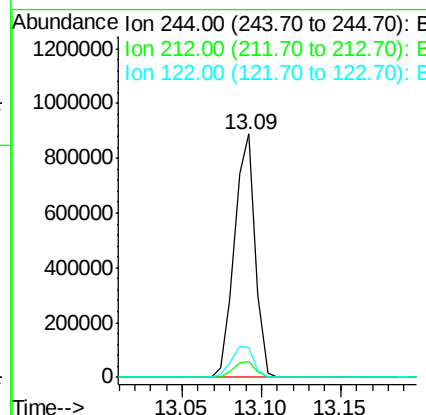
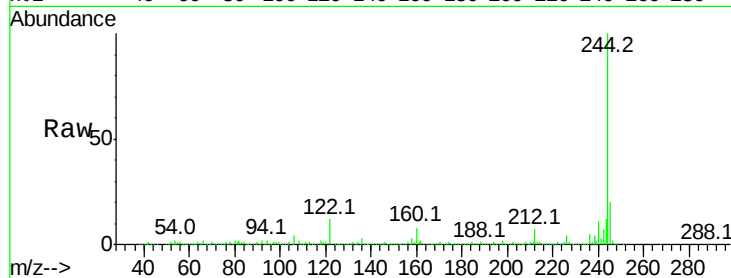




#78
 Terphenyl-d14
 Concen: 62.114 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

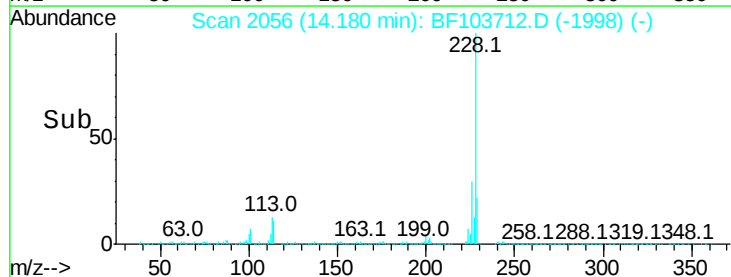
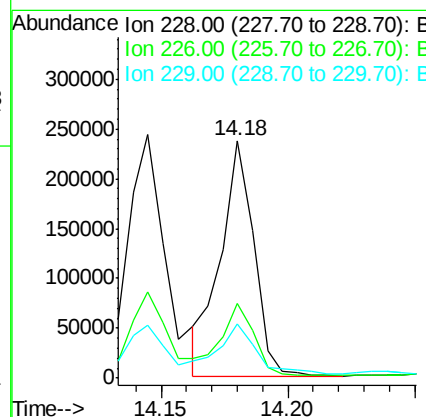
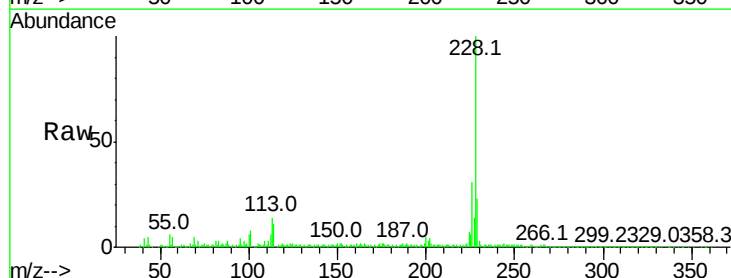
Instrument :
 BNA_F
 ClientSampleId :

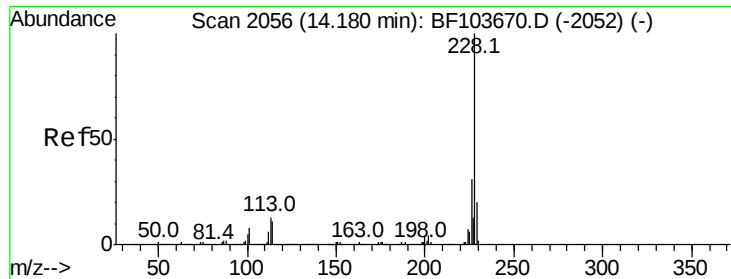
Tot Ion:244 Resp: 802285
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 11.387 ng
 RT: 14.18 min Scan# 2056
 Delta R.T. 0.04 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

Tgt Ion:228 Resp: 216090
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.6 33.8
 229 22.9 15.8 23.6





#82

Chrysene

Concen: 11.945 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Instrument :

BNA_F

ClientSampleId :

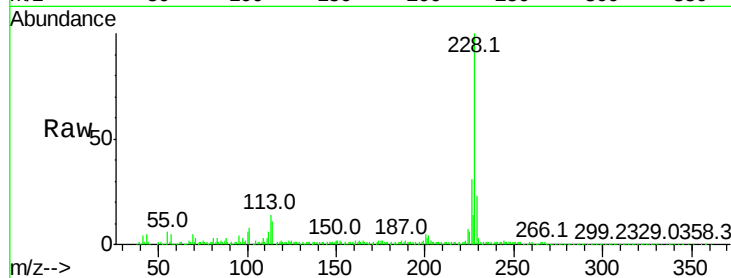
Tot Ion:228 Resp: 216090

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

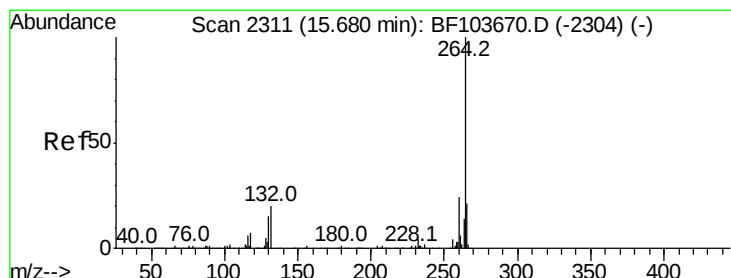
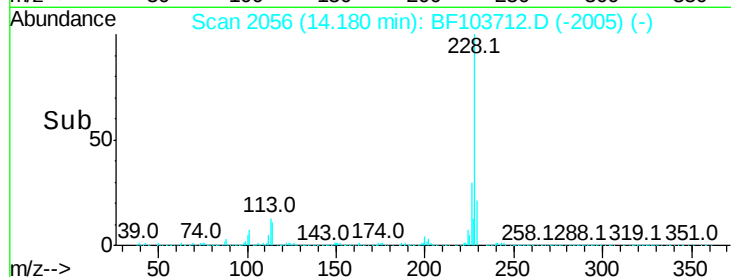
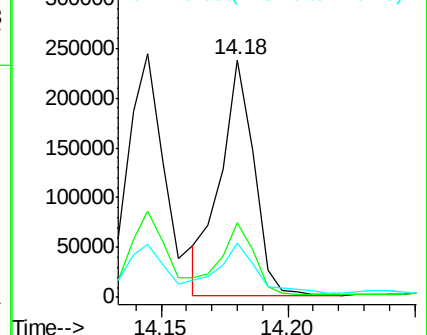
229 22.9 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. 0.01 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

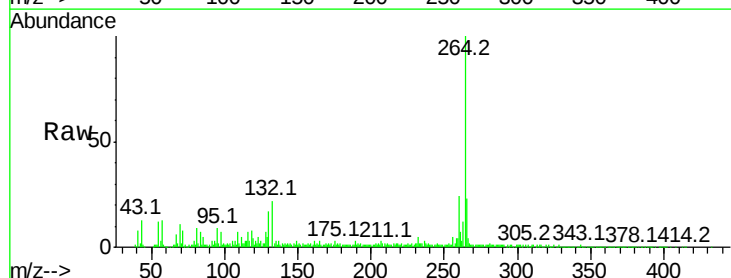
Tgt Ion:264 Resp: 221003

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

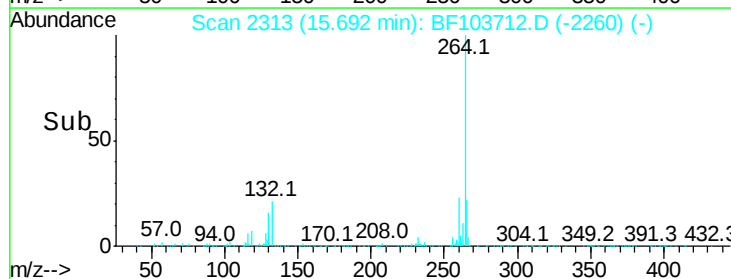
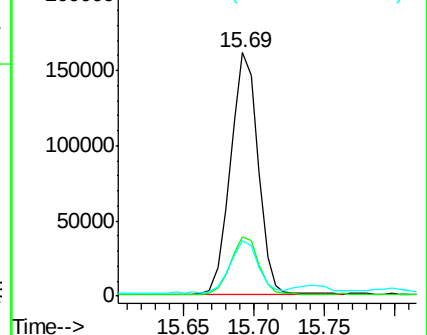
265 22.9 17.5 26.3

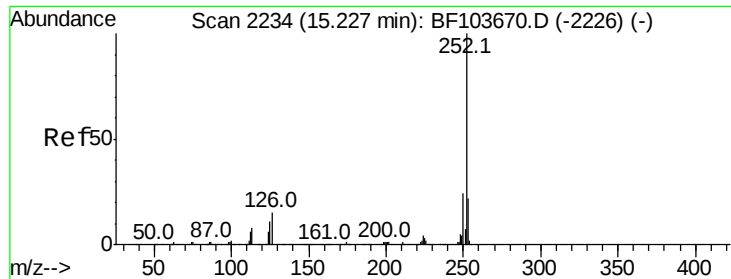


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 21.609 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

Instrument :

BNA_F

ClientSampleId :

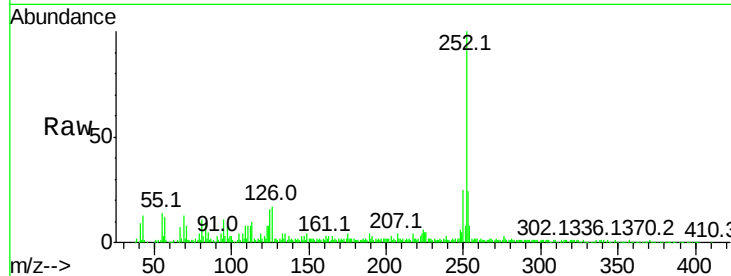
Tot Ion:252 Resp: 301718

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.6

125 16.3 9.0 13.6#

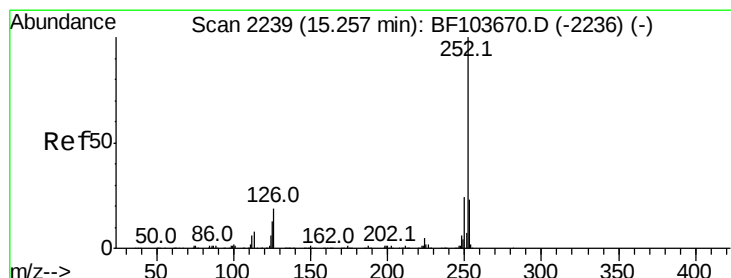
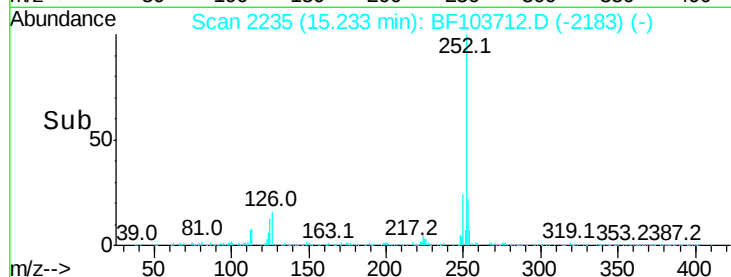
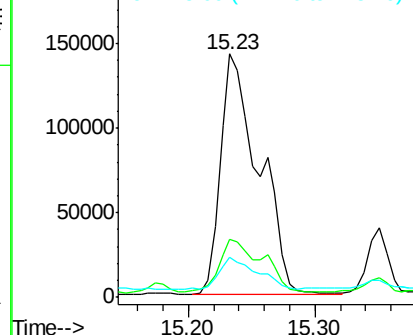


Abundance

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: 22.480 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF103712.D

Acq: 16 Mar 2018 22:27

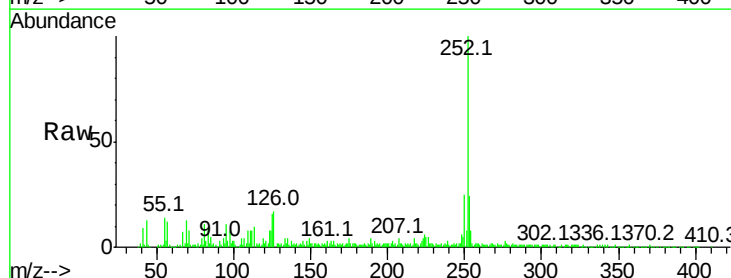
Tgt Ion:252 Resp: 301718

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 16.3 10.2 15.2#

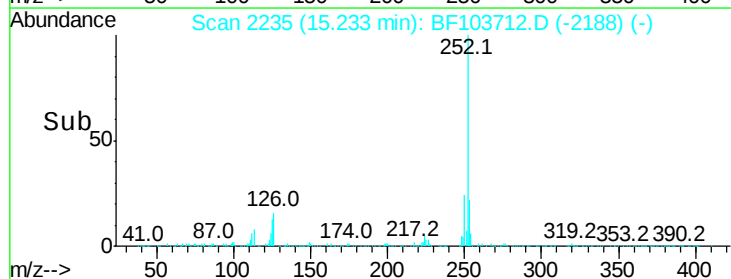
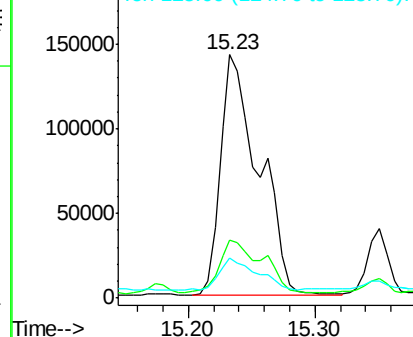


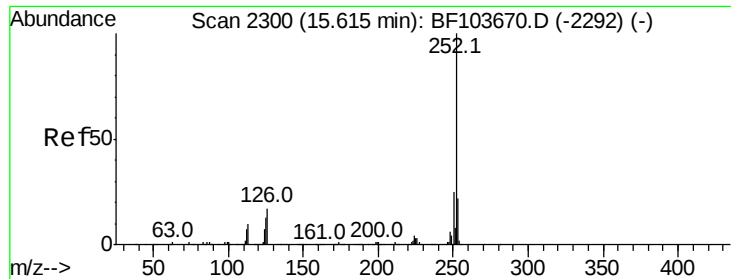
Abundance

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

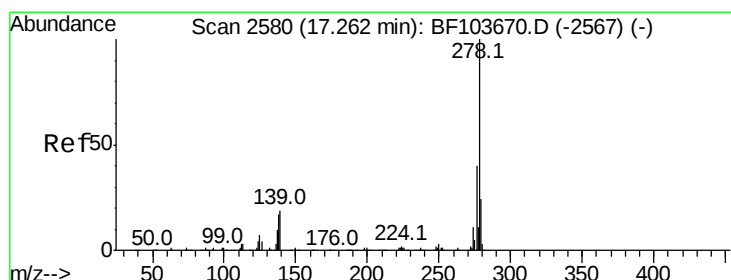
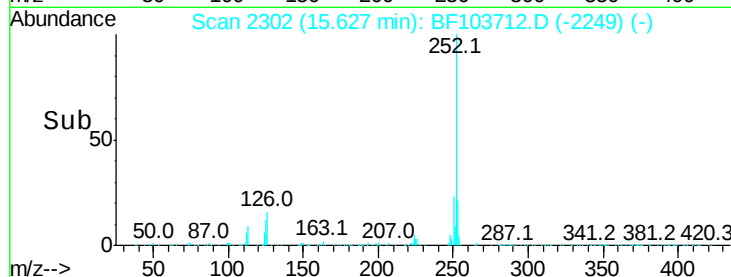
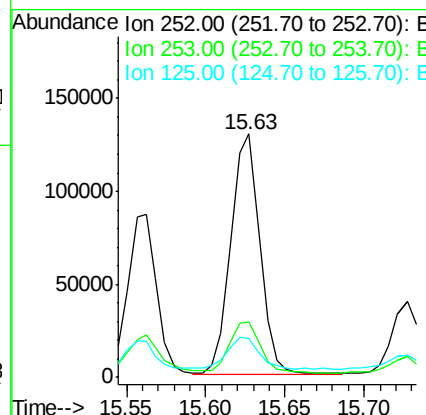
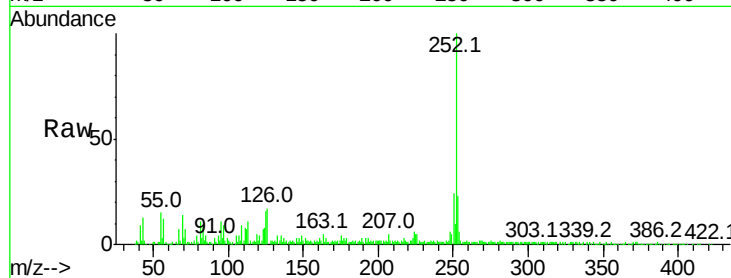




#89
Benzo(a)pyrene
Concen: 12.963 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

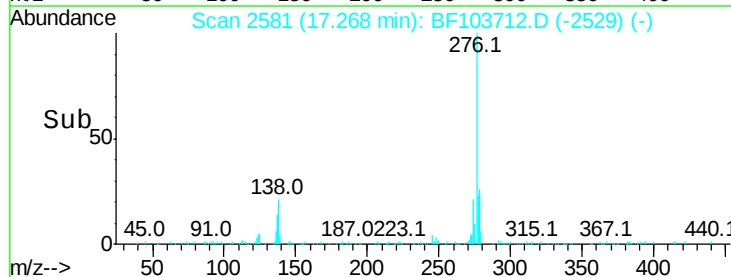
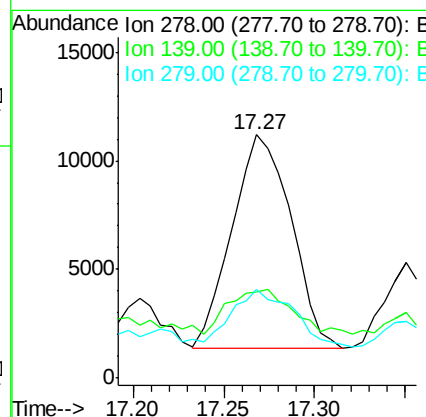
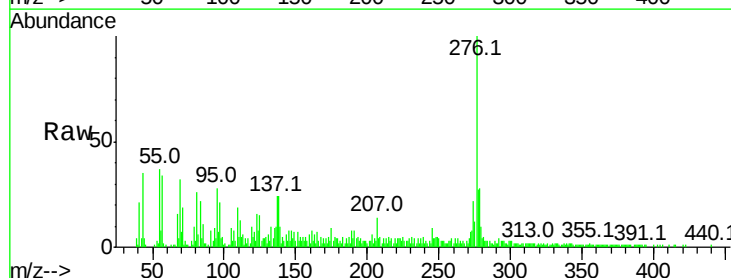
Instrument :
BNA_F
ClientSampleId :

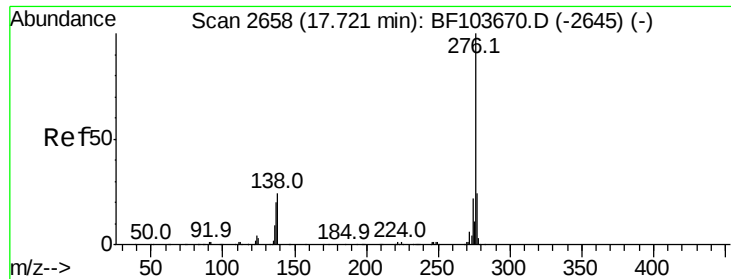
Tot Ion:252 Resp: 164163
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 15.9 9.8 14.6#



#90
Dibenzo(a,h)anthracene
Concen: 2.020 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF103712.D
Acq: 16 Mar 2018 22:27

Tgt Ion:278 Resp: 22153
Ion Ratio Lower Upper
278 100
139 35.6 15.9 23.9#
279 36.2 19.0 28.4#

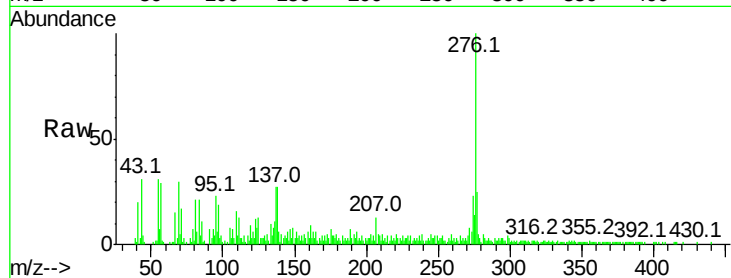




#91
 Benzo(a,h,i)perylene
 Concen: 7.915 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. 0.02 min
 Lab File: BF103712.D
 Acq: 16 Mar 2018 22:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.0	17.9	26.9	
138	26.6	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

