

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102751.D
 Acq On : 5 Feb 2018 21:15
 Operator : SJ/JU
 Sample : J1454-05 20X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 00:44:10 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	197400	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	770656	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	351205	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	517694	20.00	ng	0.00
75) Chrysene-d12	14.04	240	324728	20.00	ng	0.00
86) Perylene-d12	15.52	264	298050	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	79369	6.11	ng	-0.01
7) Phenol-d6	6.49	99	100190	6.40	ng	-0.01
23) Nitrobenzene-d5	7.44	82	57988	5.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	15513	5.49	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	99323	4.69	ng	-0.01
78) Terphenyl-d14	12.99	244	63805	4.65	ng	-0.01

Target Compounds

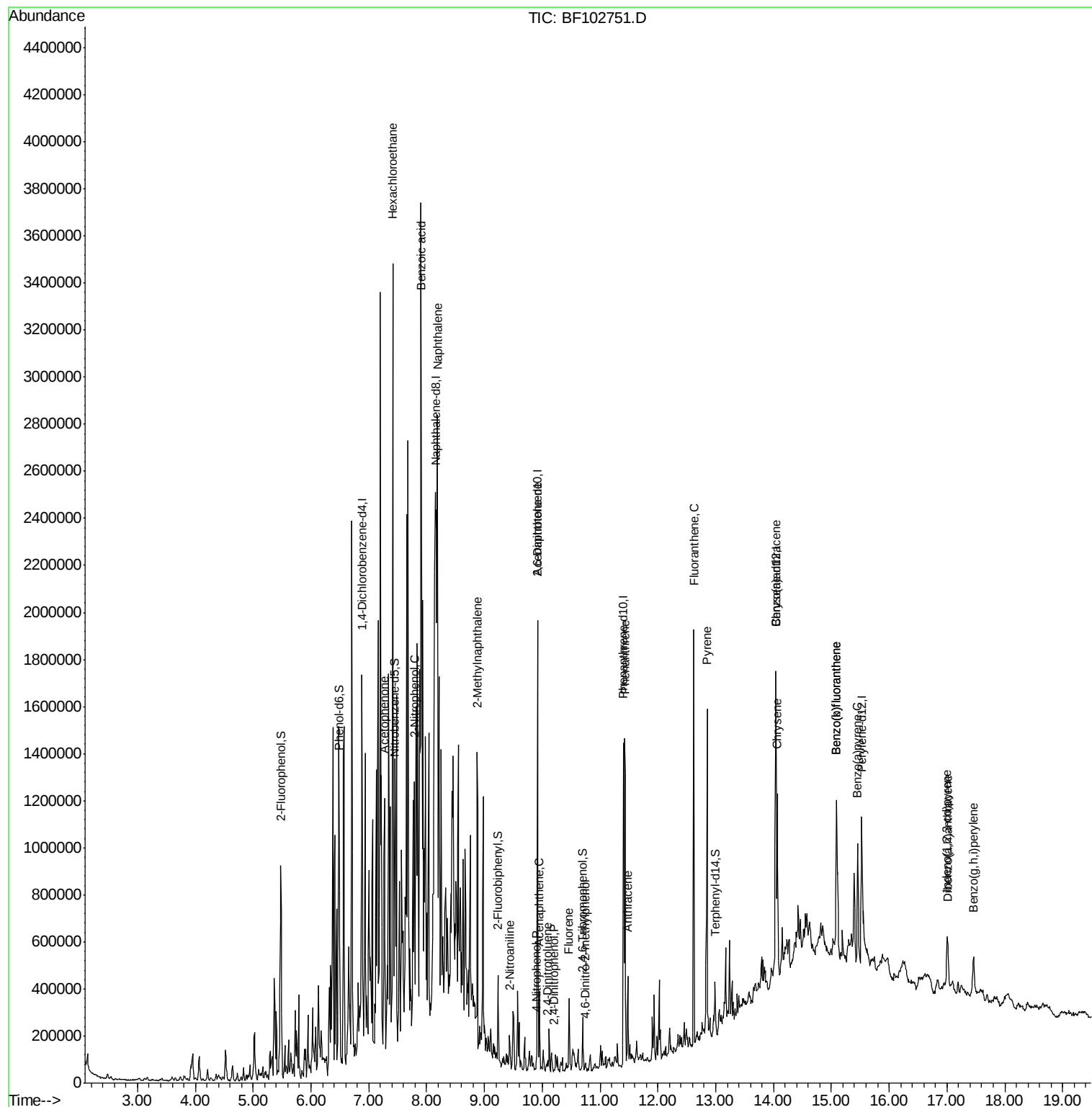
						Qvalue
18) Hexachloroethane	7.42	117	164911	31.154	ng	# 1
22) Acetophenone	7.27	105	309271	16.399	ng	# 59
26) 2-Nitrophenol	7.78	139	1309	8.866	ng	# 1
31) Naphthalene	8.19	128	461834	12.266	ng	# 94
32) Benzoic acid	7.90	122	599	8.619	ng	# 1
37) 2-Methylnaphthalene	8.87	142	324374	13.158	ng	# 99
47) 2-Nitroaniline	9.43	65	803	3.576	ng	# 26
50) 2,6-Dinitrotoluene	9.92	165	48236	9.259	ng	# 26
51) Acenaphthene	9.95	154	53181	2.459	ng	# 99
53) 2,4-Dinitrophenol	10.20	184	164	8.097	ng	# 1
55) 4-Nitrophenol	9.89	139	1085	4.220	ng	# 88
56) 2,4-Dinitrotoluene	10.09	165	3928	3.602	ng	# 44
57) Fluorene	10.46	166	78265	3.529	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.75	198	122	8.844	ng	# 1
70) Phenanthrene	11.43	178	486618	16.878	ng	# 99
71) Anthracene	11.48	178	123318	4.205	ng	# 99
74) Fluoranthene	12.62	202	646357	22.282	ng	# 98
77) Pyrene	12.85	202	551691	21.666	ng	# 99
80) Benzo(a)anthracene	14.03	228	306368	15.002	ng	# 99
82) Chrysene	14.07	228	264912	12.868	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.01	276	151658	8.882	ng	# 95
87) Benzo(b)fluoranthene	15.09	252	515523	26.678	ng	# 97
88) Benzo(k)fluoranthene	15.09	252	515523	27.921	ng	# 98
89) Benzo(a)pyrene	15.46	252	258505	14.862	ng	# 95
90) Dibenzo(a,h)anthracene	17.02	278	37860	2.682	ng	# 82
91) Benzo(g,h,i)perylene	17.46	276	135379	9.797	ng	# 97

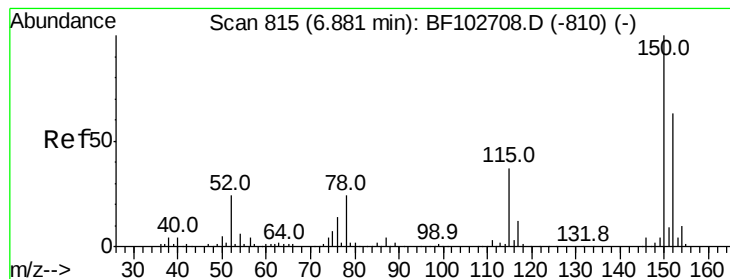
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102751.D
Acq On : 5 Feb 2018 21:15
Operator : SJ/JU
Sample : J1454-05 20X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Feb 06 00:44:10 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



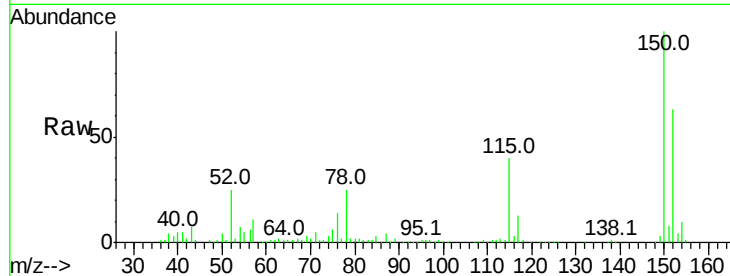


#1

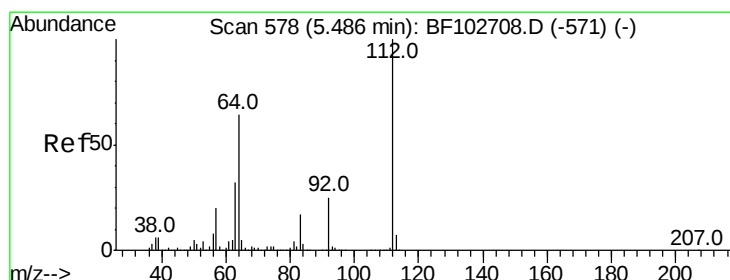
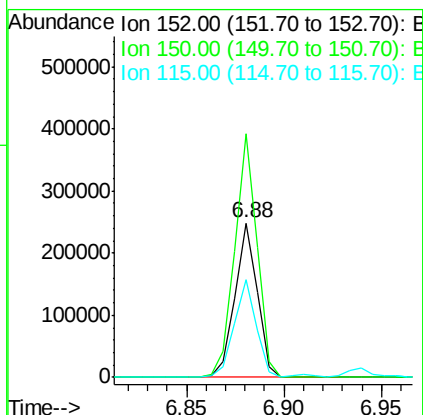
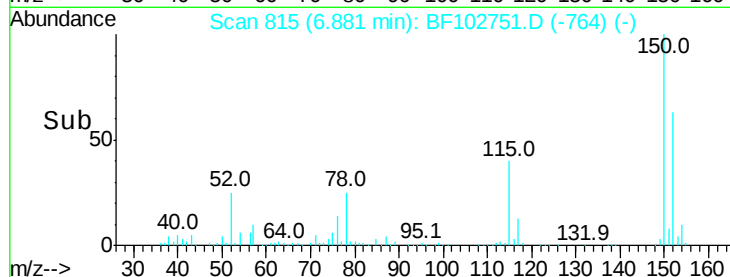
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	63.2	50.1	75.1



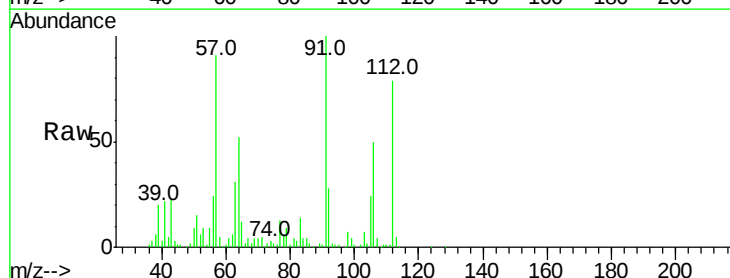
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



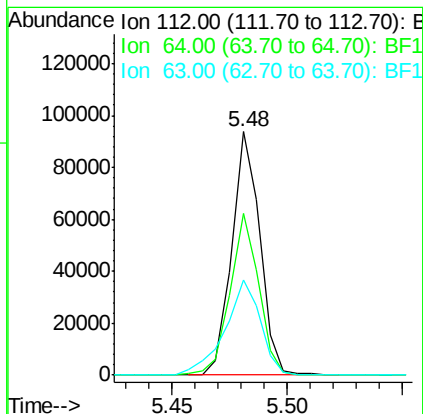
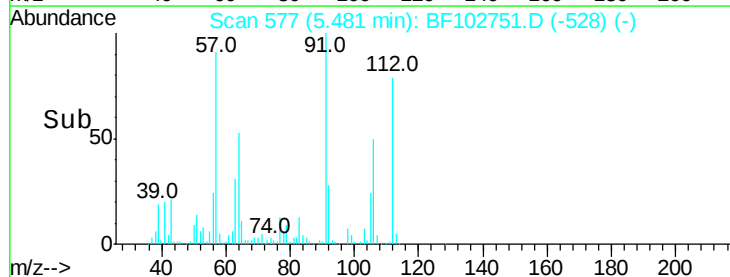
#5

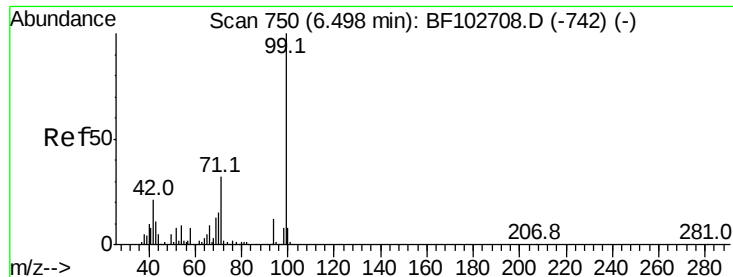
2-Fluorophenol
Concen: 6.106 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	39.3	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: 6.402 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampleId :

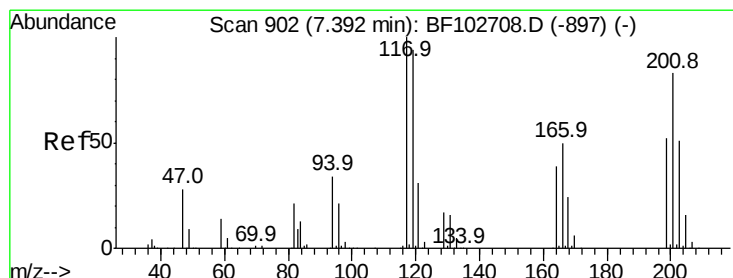
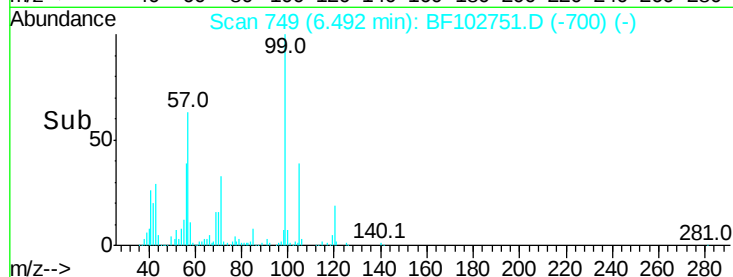
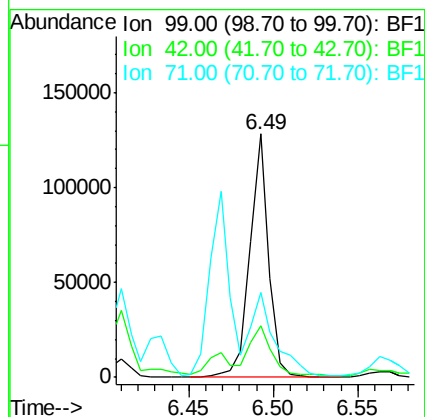
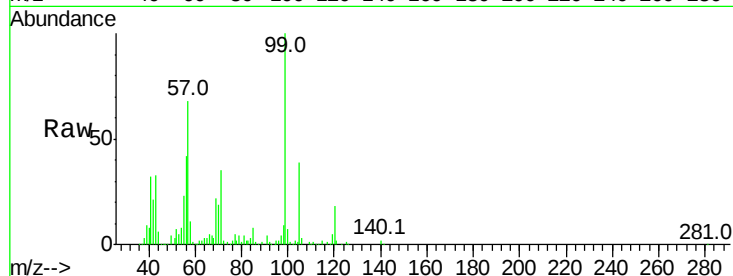
Tot Ion: 99 Resp: 100190

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 34.7 25.4 38.0



#18

Hexachloroethane

Concen: 31.154 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.02 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

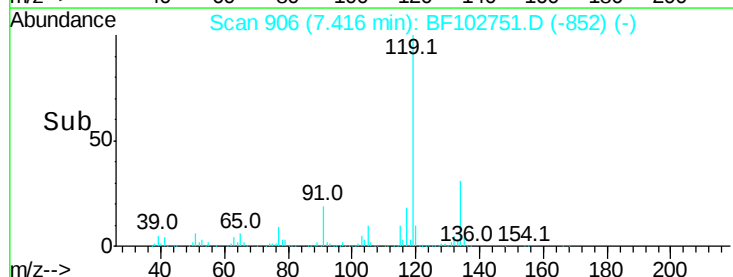
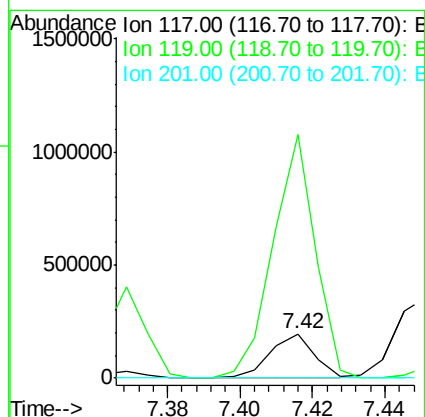
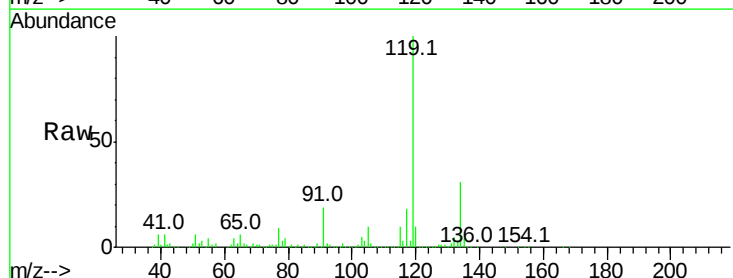
Tgt Ion: 117 Resp: 164911

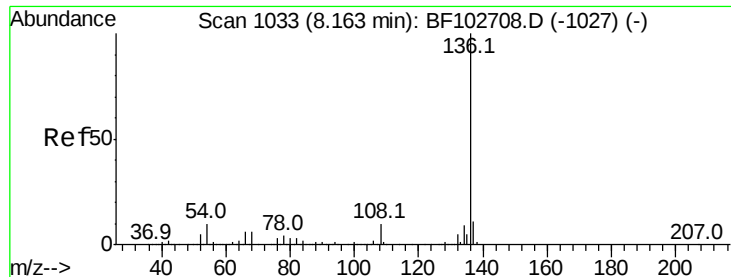
Ion Ratio Lower Upper

117 100

119 553.8 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 770656

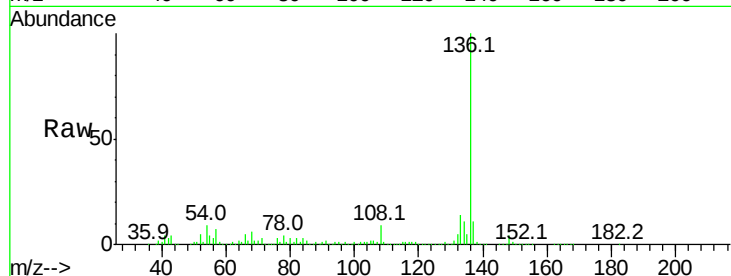
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.1 6.6 9.8

68 6.1 5.0 7.4

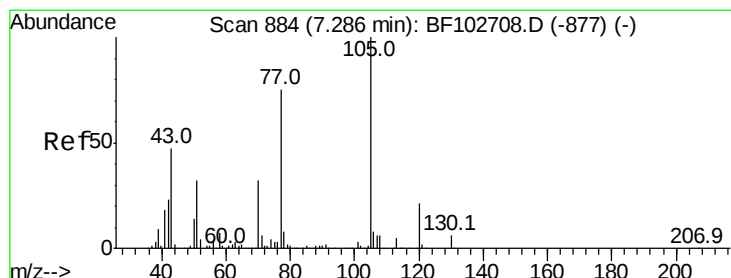
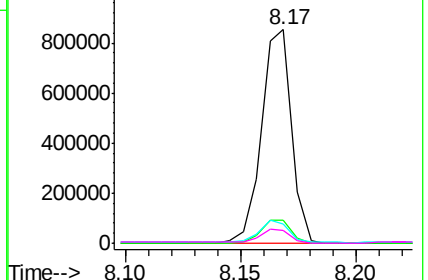
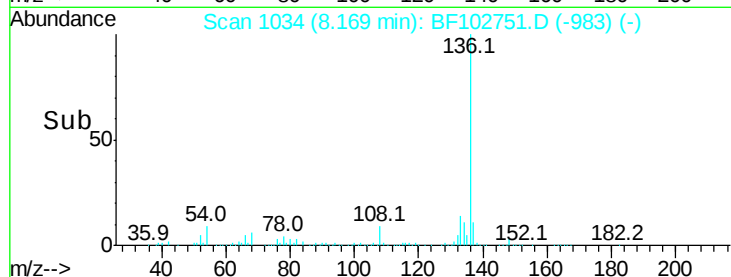


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 16.399 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Tgt Ion:105 Resp: 309271

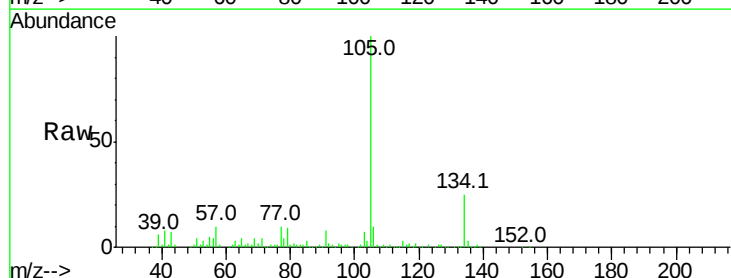
Ion Ratio Lower Upper

105 100

71 4.3 4.4 6.6#

51 4.3 22.3 33.5#

120 0.2 16.9 25.3#

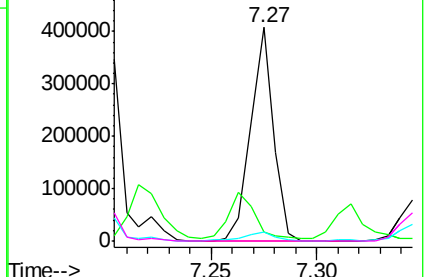
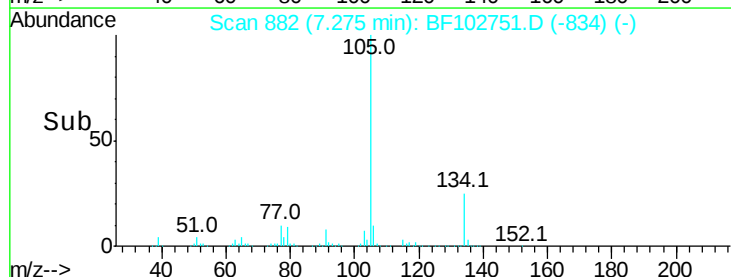


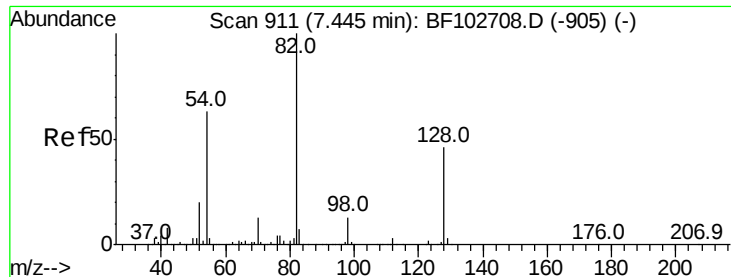
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

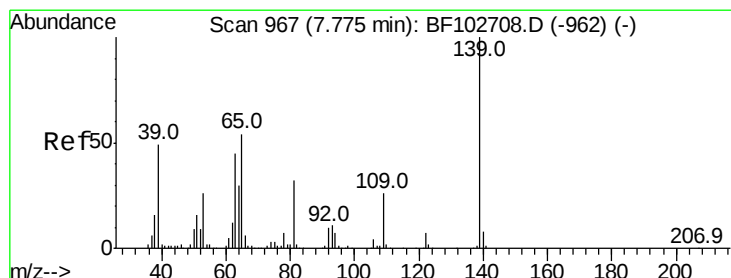
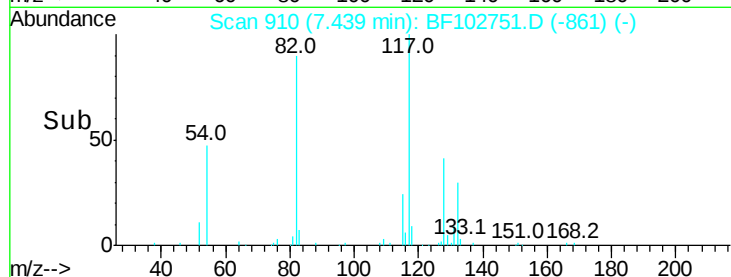
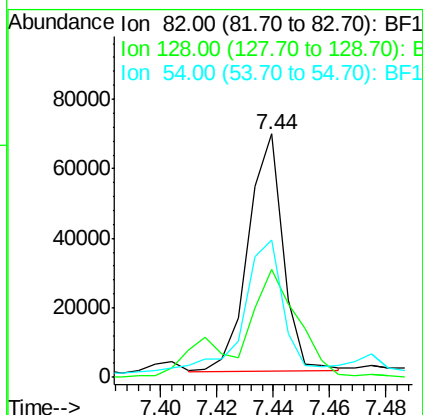
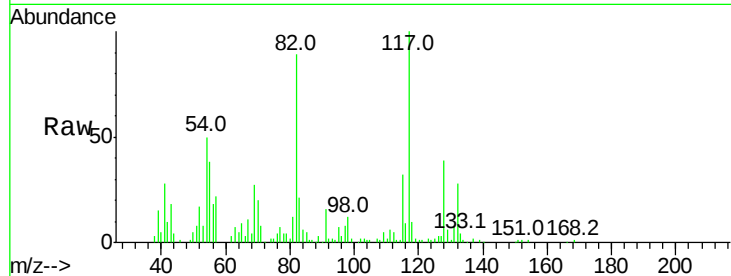




#23
 Nitrobenzene-d5
 Concen: 5.220 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

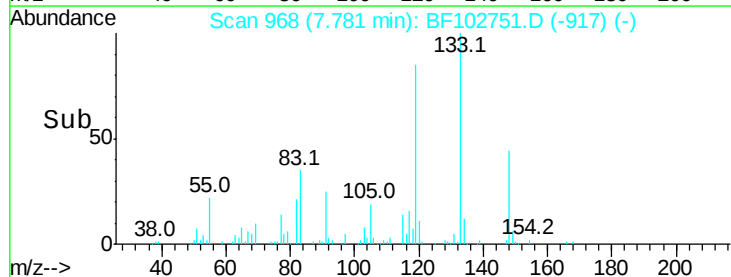
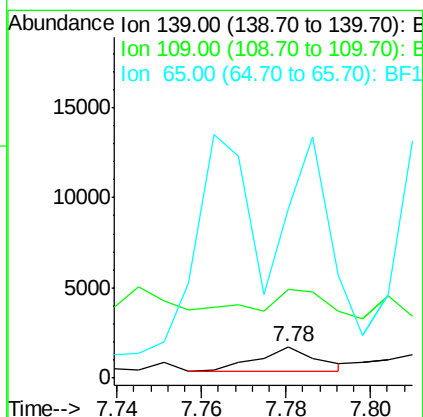
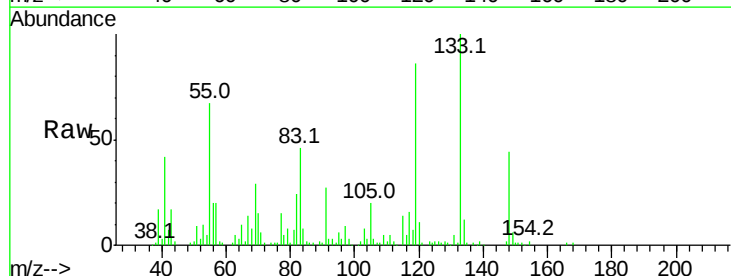
Instrument :
 BNA_F
 ClientSampled :

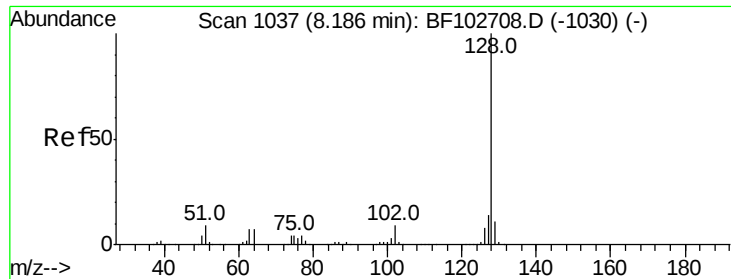
Tot Ion: 82 Resp: 57988
 Ion Ratio Lower Upper
 82 100
 128 44.3 36.1 54.1
 54 56.4 41.4 62.2



#26
 2-Nitrophenol
 Concen: 8.866 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

Tgt Ion: 139 Resp: 1309
 Ion Ratio Lower Upper
 139 100
 109 284.9 22.7 34.1#
 65 543.6 40.5 60.7#

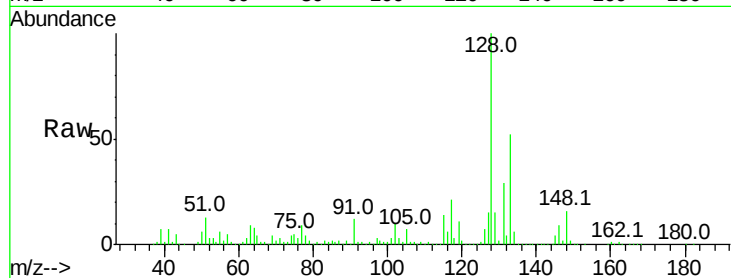




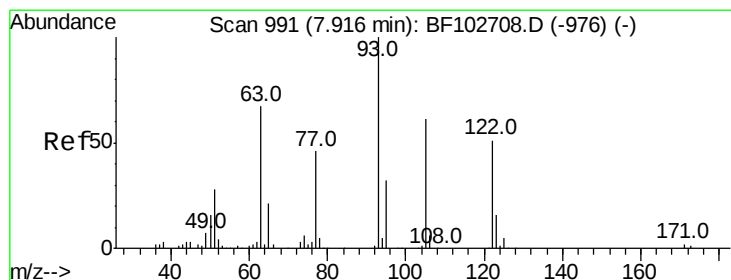
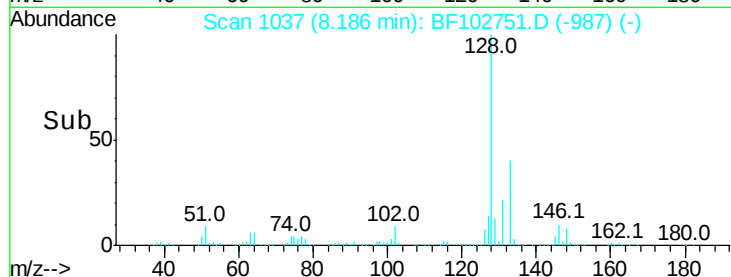
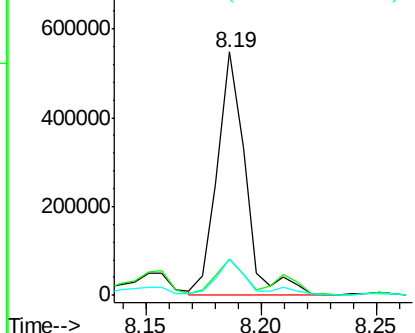
#31
Naphthalene
Concen: 12.266 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 461834
Ion Ratio Lower Upper
128 100
129 14.7 8.8 13.2#
127 14.9 10.9 16.3

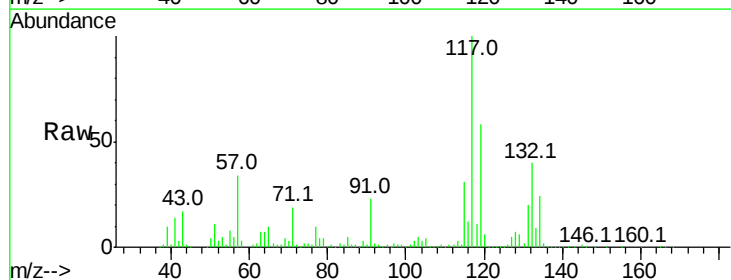


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

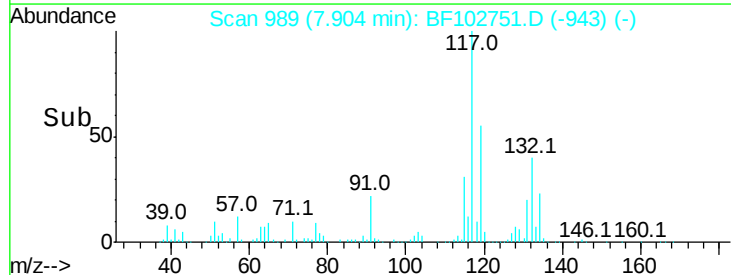
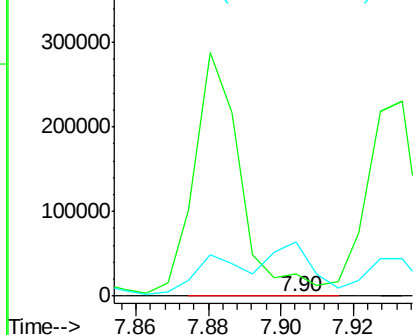


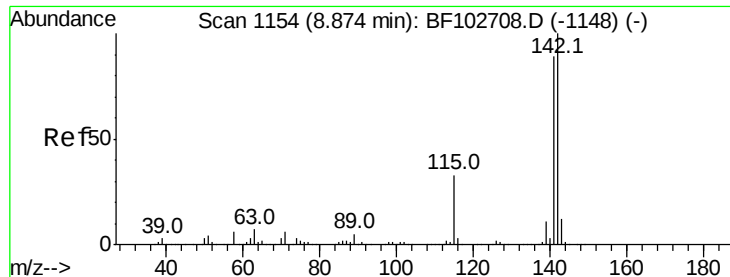
#32
Benzoic acid
Concen: 8.619 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.03 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion:122 Resp: 599
Ion Ratio Lower Upper
122 100
105 6269.2 101.1 141.1#
77 15250.0 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

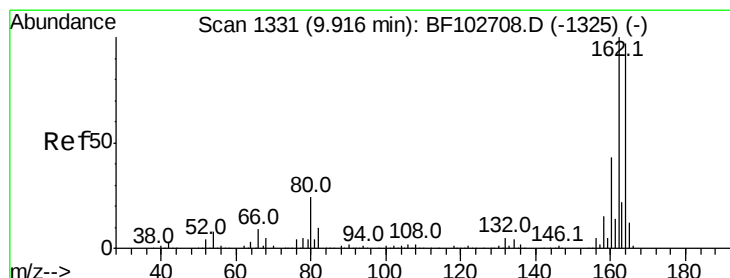
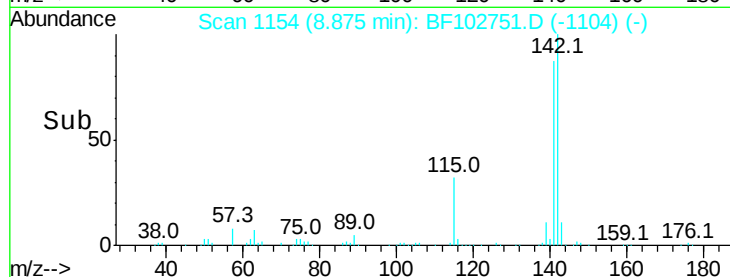
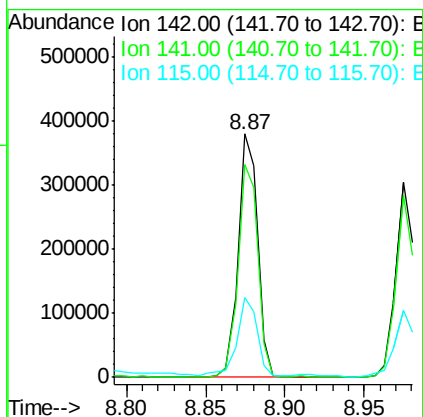
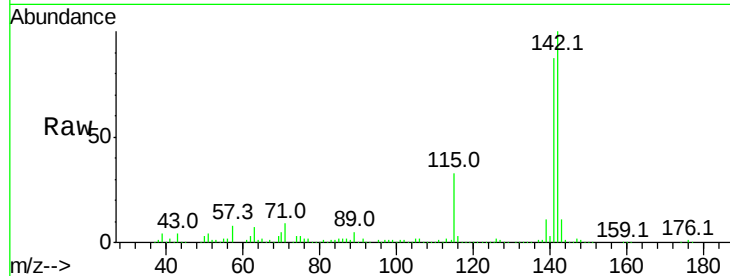




#37
 2-Methylnaphthalene
 Concen: 13.158 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

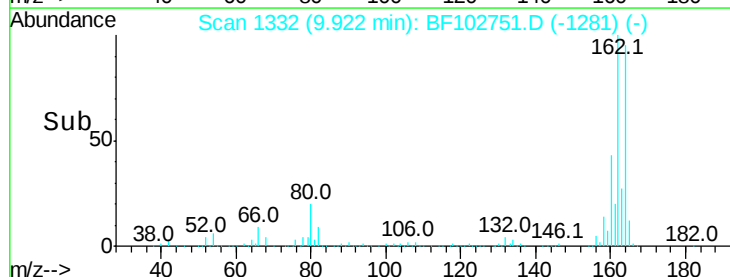
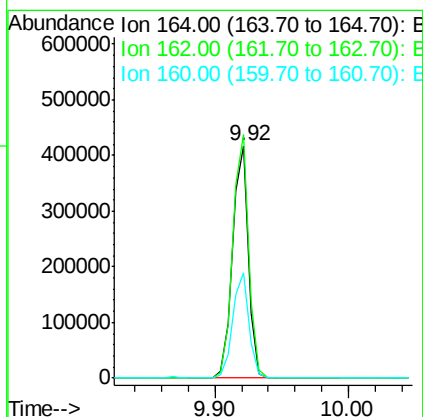
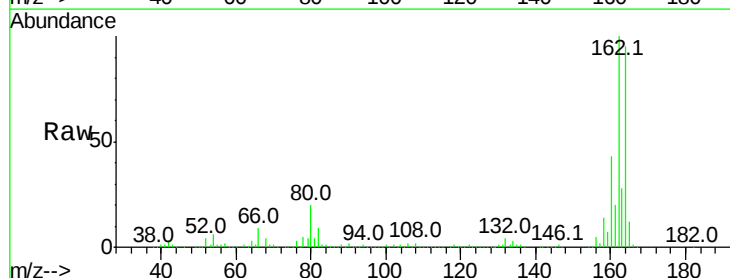
Instrument :
 BNA_F
 ClientSampleId :

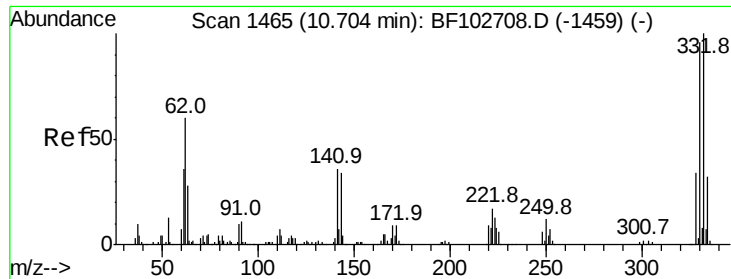
Tot Ion:142 Resp: 324374
 Ion Ratio Lower Upper
 142 100
 141 87.4 70.8 106.2
 115 32.6 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

Tgt Ion:164 Resp: 351205
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 45.5 38.3 57.5

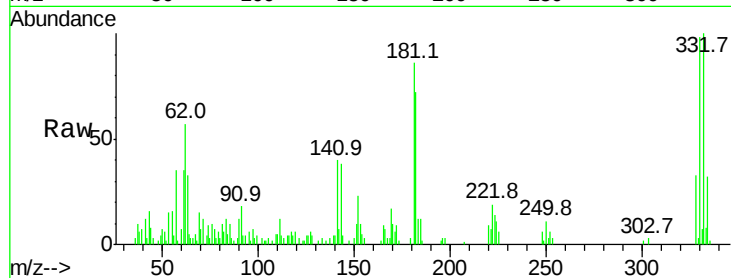




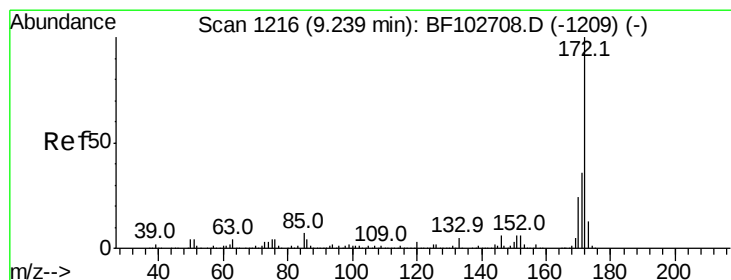
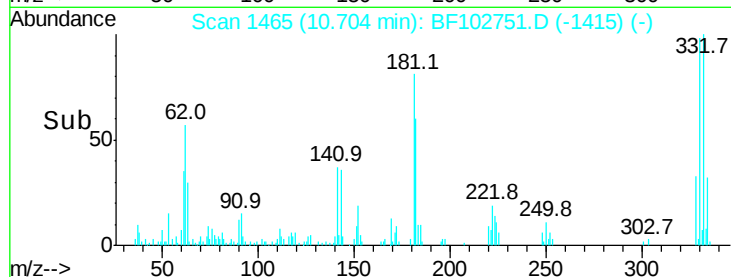
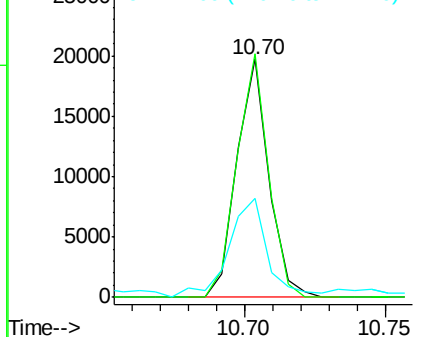
#41
 2,4,6-Tribromophenol
 Concen: 5.488 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 15513
 Ion Ratio Lower Upper
 330 100
 332 100.3 77.0 115.6
 141 50.4 29.9 44.9#

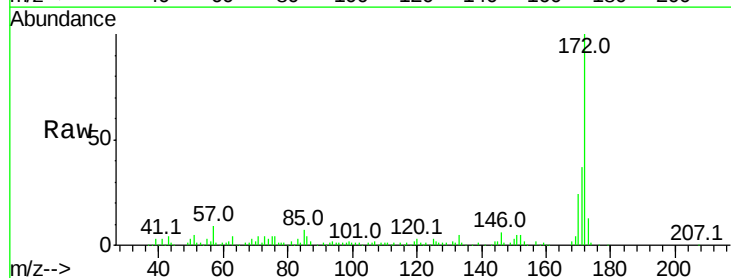


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

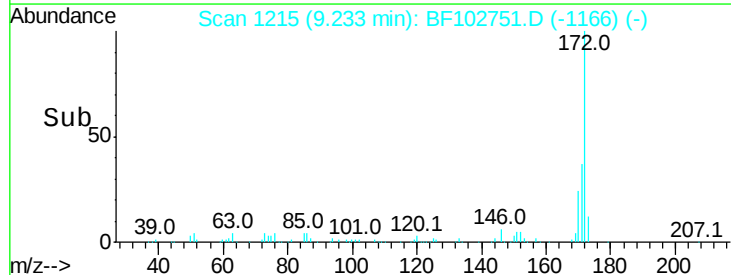
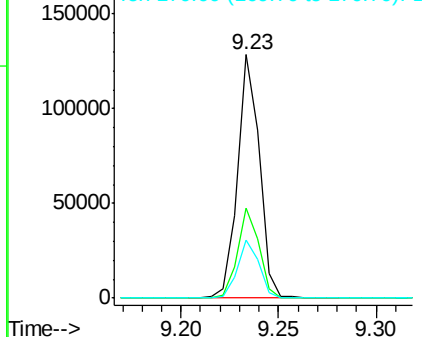


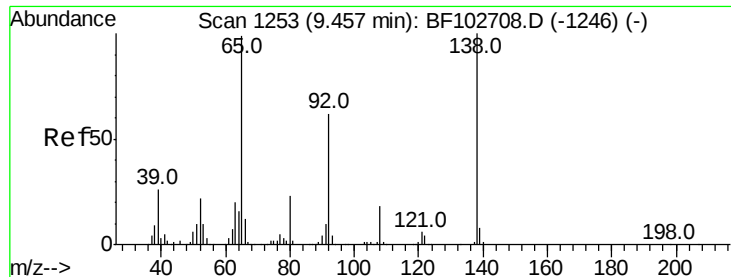
#44
 2-Fluorobiphenyl
 Concen: 4.693 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

Tgt Ion:172 Resp: 99323
 Ion Ratio Lower Upper
 172 100
 171 37.1 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: 3.576 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.03 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampled :

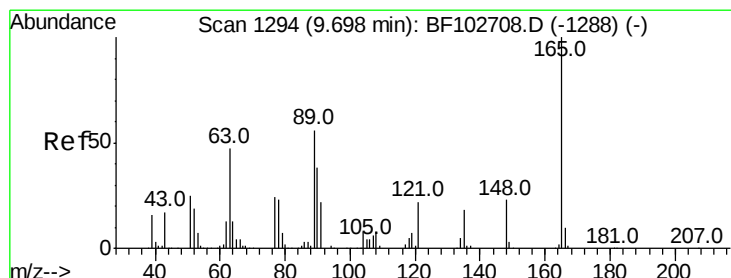
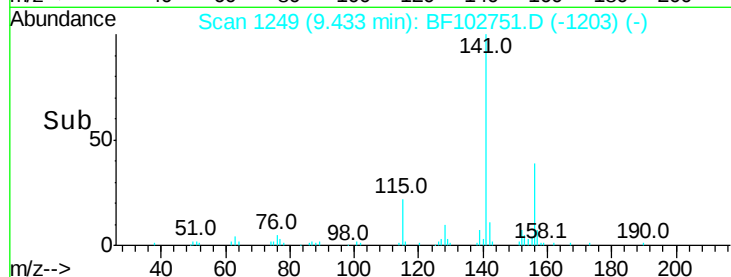
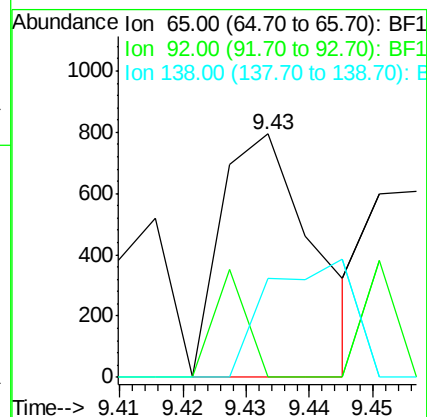
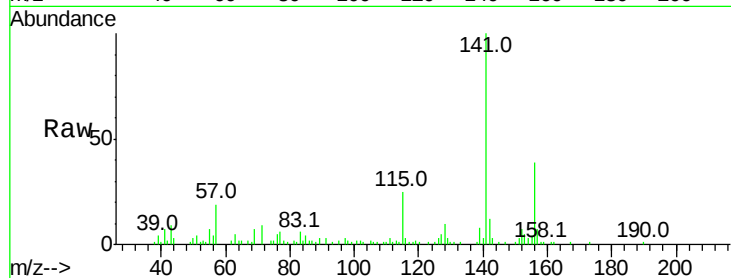
Tot Ion: 65 Resp: 803

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 40.8 91.2 136.8#



#50

2,6-Dinitrotoluene

Concen: 9.259 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.22 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

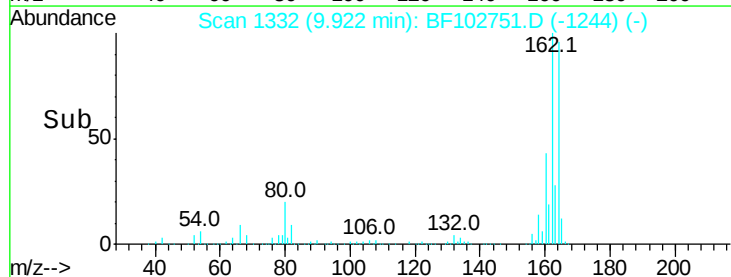
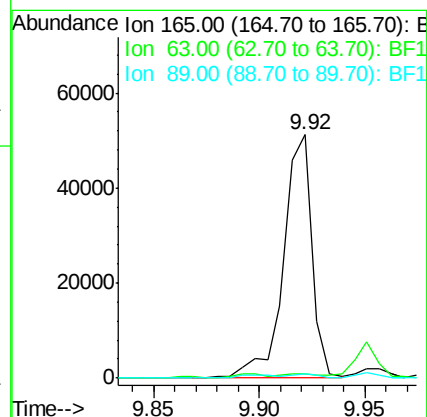
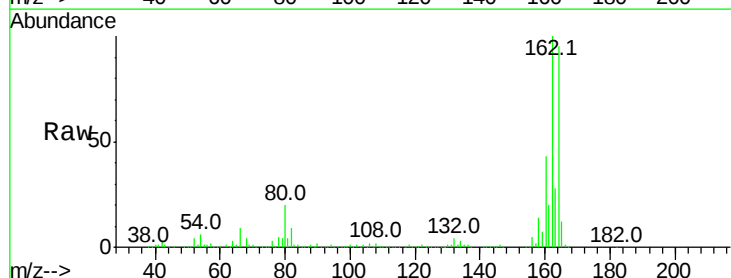
Tgt Ion:165 Resp: 48236

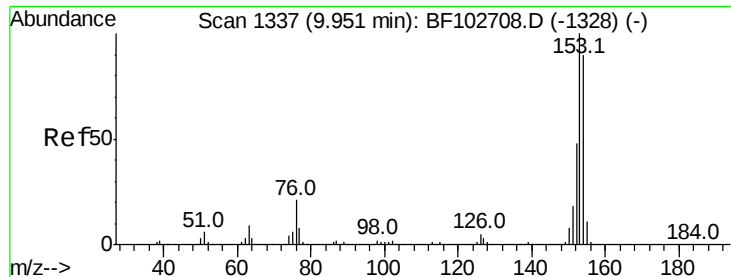
Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

89 1.7 44.0 66.0#





#51

Acenaphthene

Concen: 2.459 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampled :

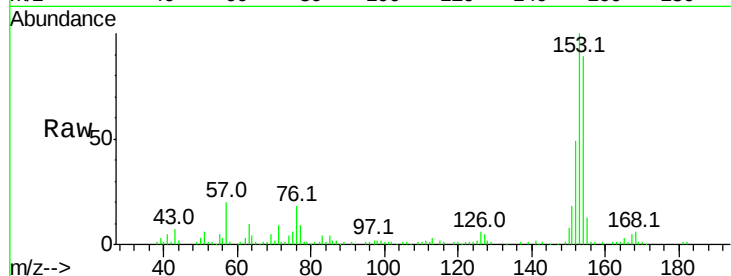
Tot Ion:154 Resp: 53181

Ion Ratio Lower Upper

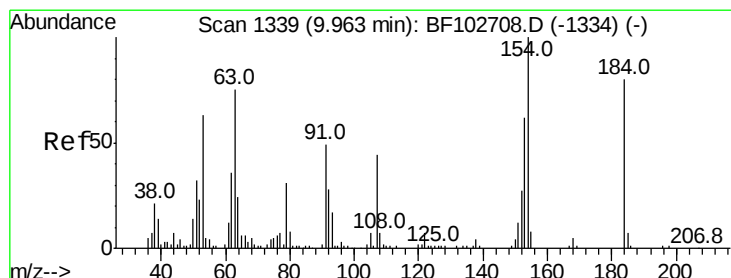
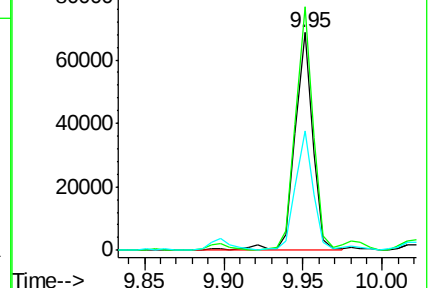
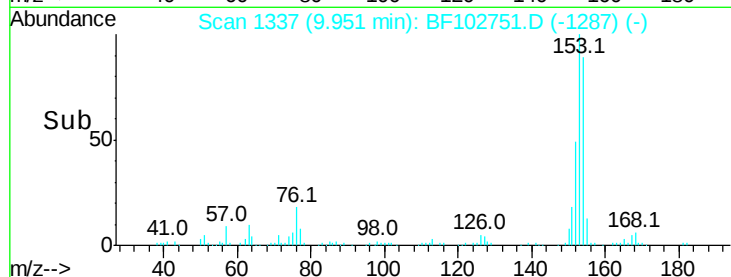
154 100

153 111.8 91.2 136.8

152 54.7 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: 8.097 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.23 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

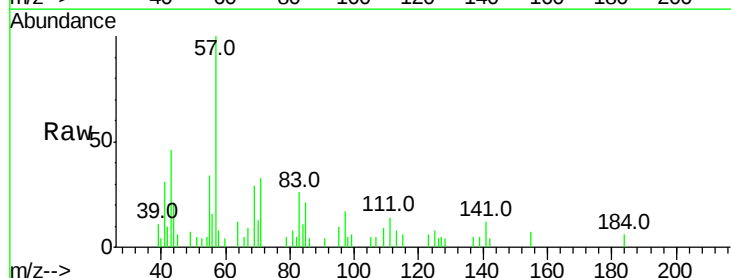
Tgt Ion:184 Resp: 164

Ion Ratio Lower Upper

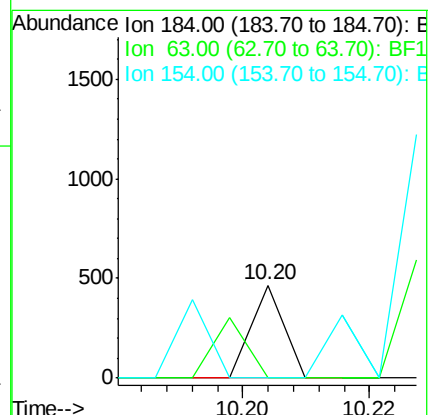
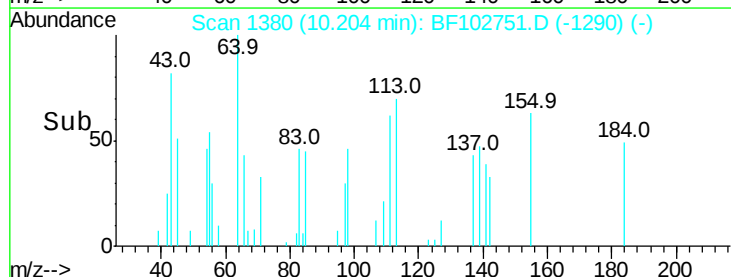
184 100

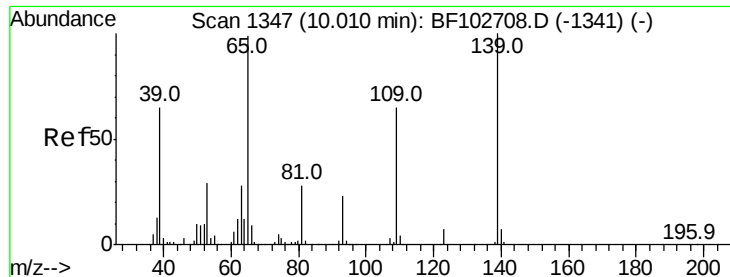
63 0.0 54.2 81.2#

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





#55

4-Nitrophenol

Concen: 4.220 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.13 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampleId :

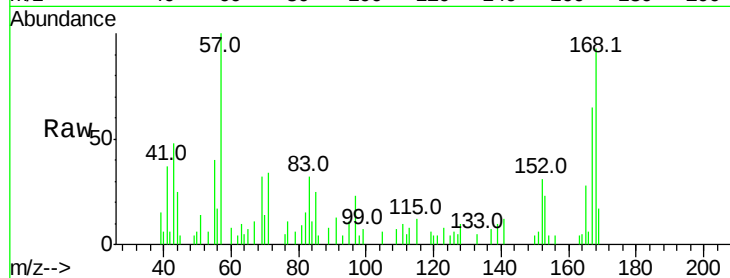
Tot Ion:139 Resp: 1085

Ion Ratio Lower Upper

139 100

109 67.2 48.4 88.4

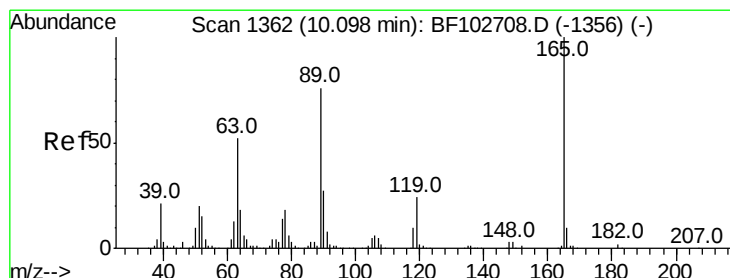
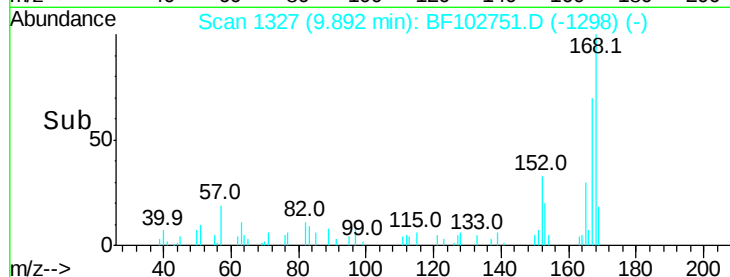
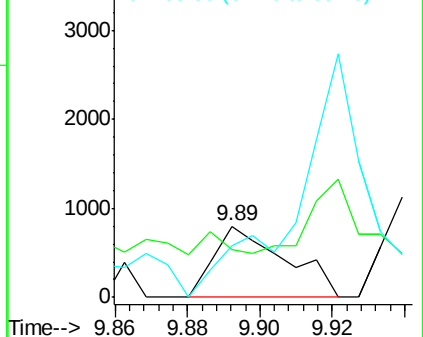
65 73.7 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 3.602 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Tgt Ion:165 Resp: 3928

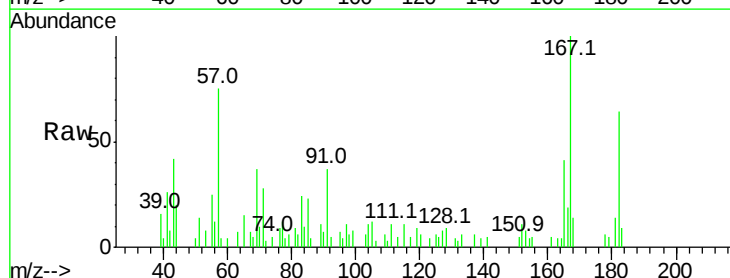
Ion Ratio Lower Upper

165 100

63 17.0 36.4 54.6#

89 27.9 57.8 86.6#

182 155.2 1.6 2.4#

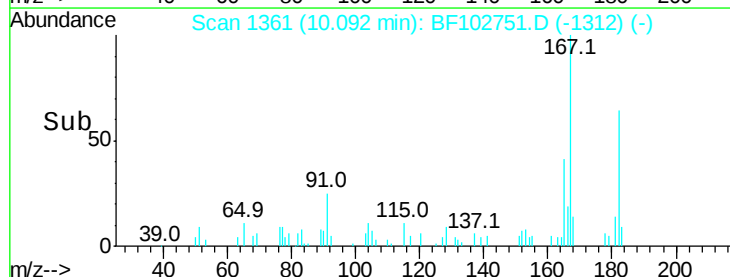
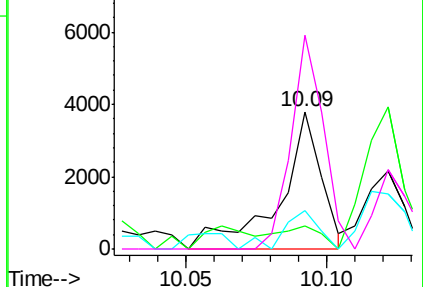


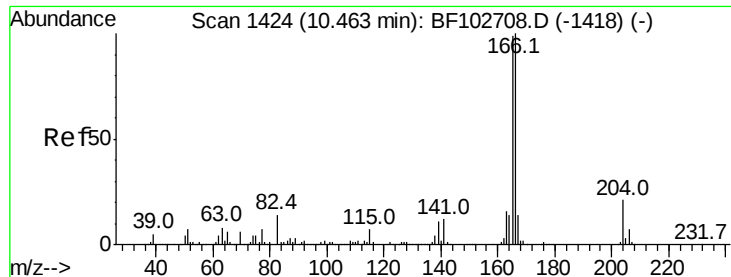
Abundance Ion 165.00 (164.70 to 165.70): E

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

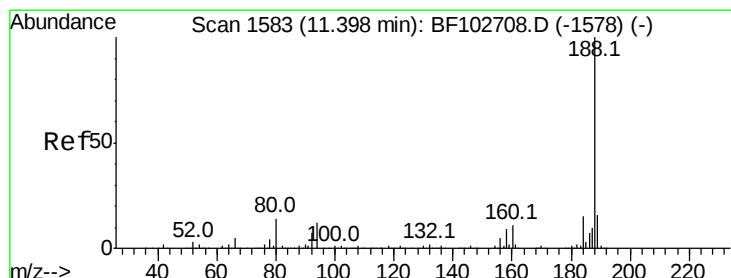
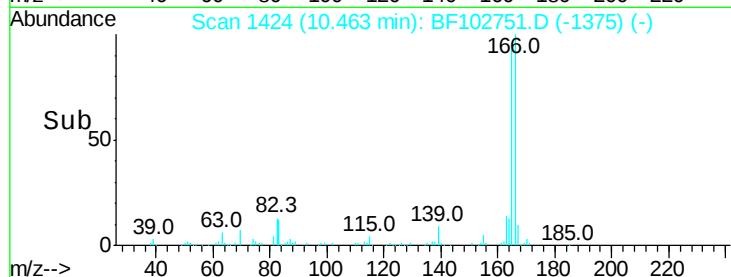
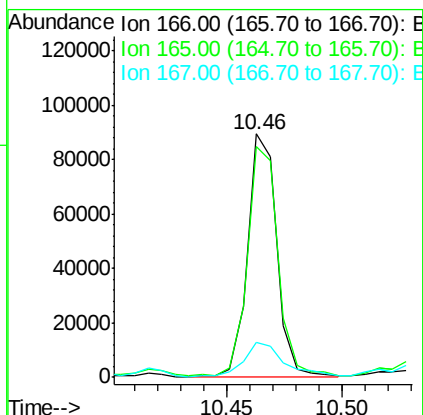
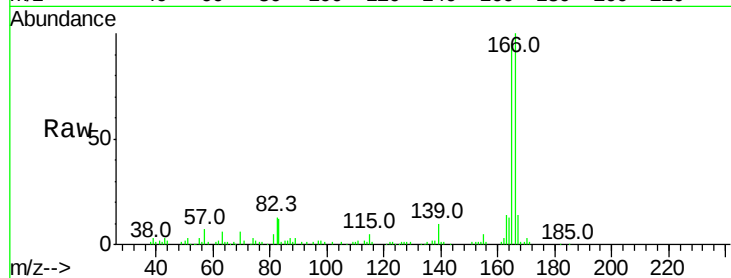




#57
 Fluorene
 Concen: 3.529 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

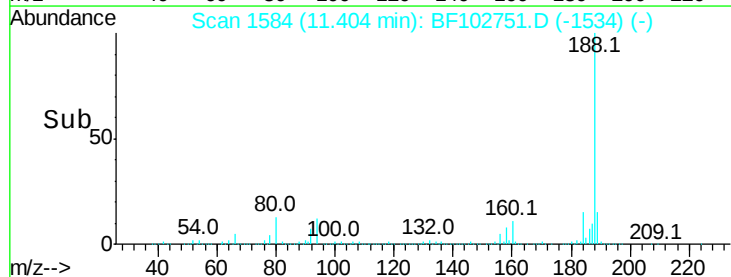
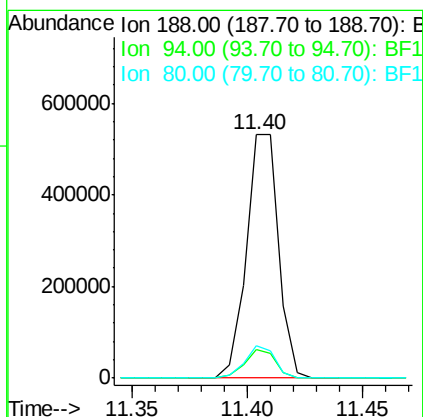
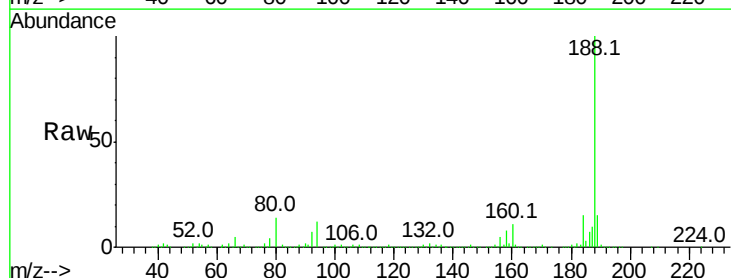
Instrument :
 BNA_F
 ClientSampleId :

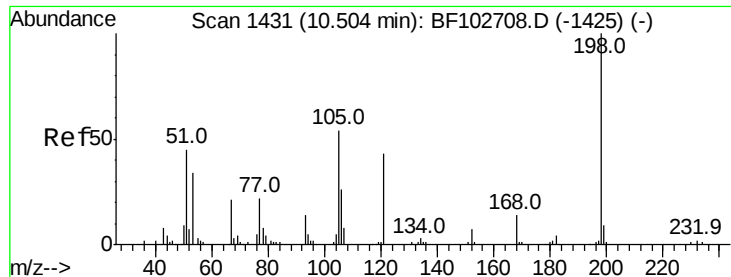
Tot Ion:166 Resp: 78265
 Ion Ratio Lower Upper
 166 100
 165 94.7 79.8 119.8
 167 14.5 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102751.D
 Acq: 5 Feb 2018 21:15

Tgt Ion:188 Resp: 517694
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 13.5 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.844 ng

RT: 10.75 min Scan# 1472

Delta R.T. 0.23 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampleId :

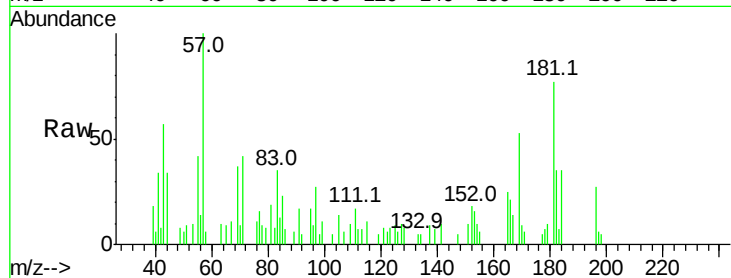
Tot Ion:198 Resp: 122

Ion Ratio Lower Upper

198 100

51 180.0 37.7 77.7#

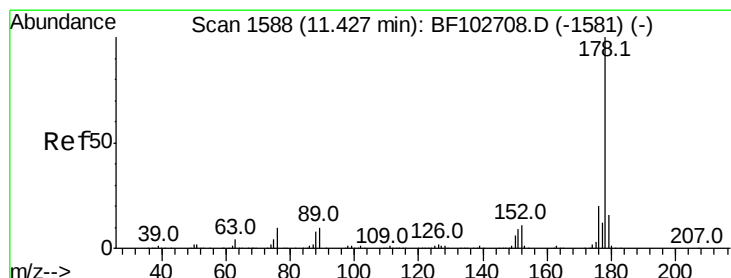
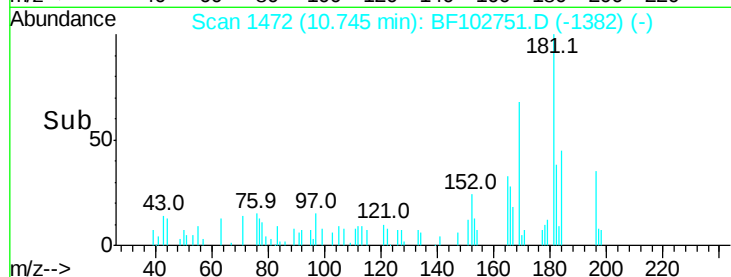
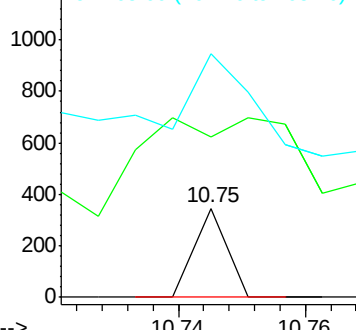
105 274.2 36.3 76.3#



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



#70

Phenanthrene

Concen: 16.878 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

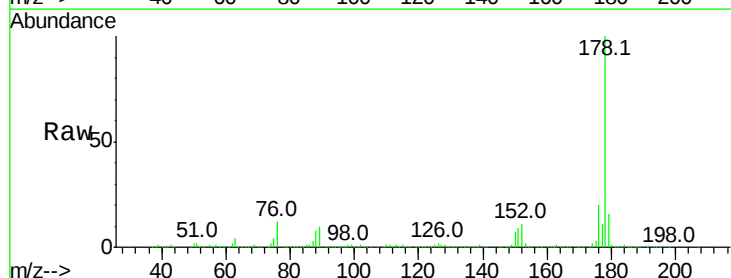
Tgt Ion:178 Resp: 486618

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

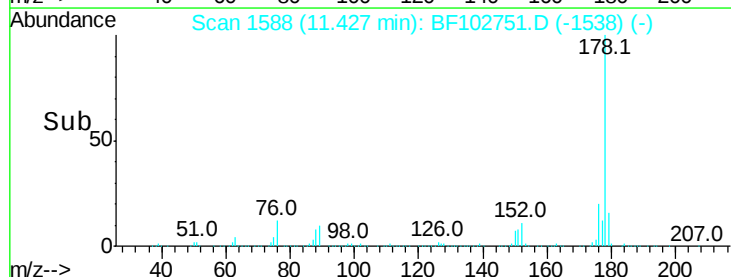
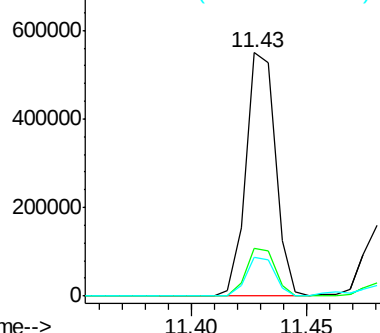
179 16.0 13.0 19.6

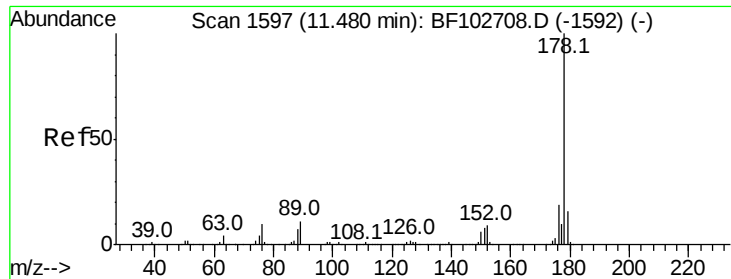


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.205 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampleId :

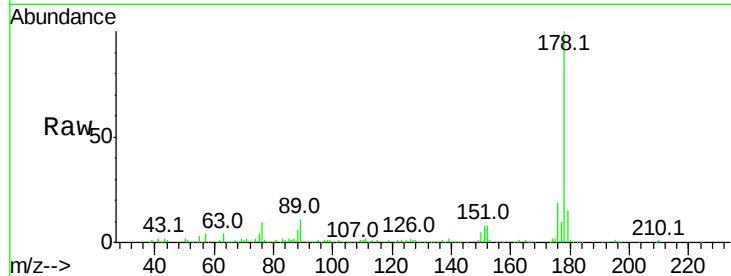
Tot Ion:178 Resp: 123318

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

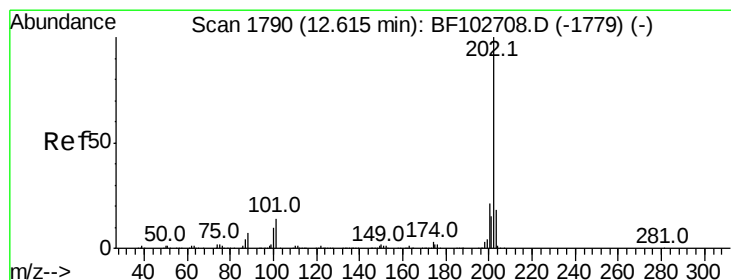
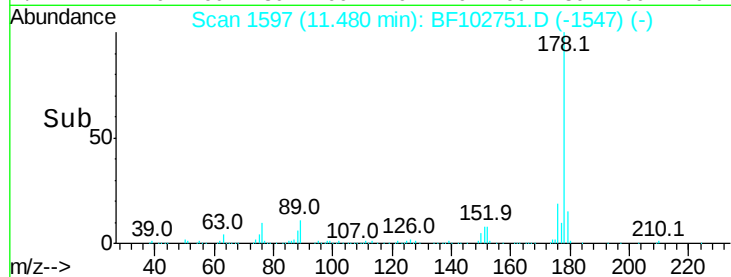
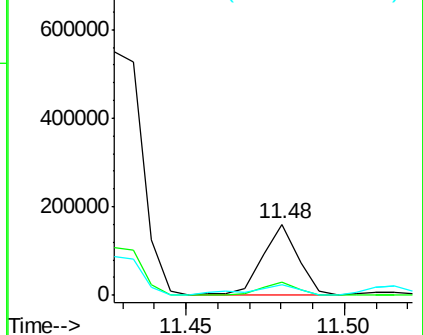
179 15.4 12.6 19.0



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: 22.282 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

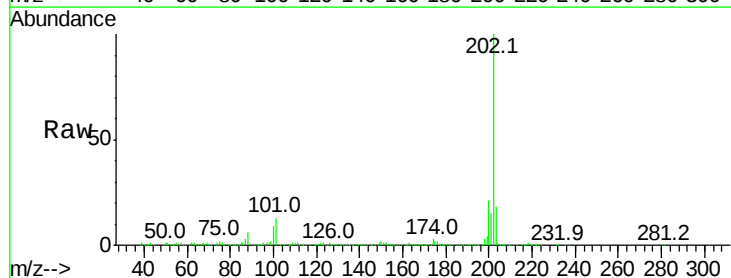
Tgt Ion:202 Resp: 646357

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

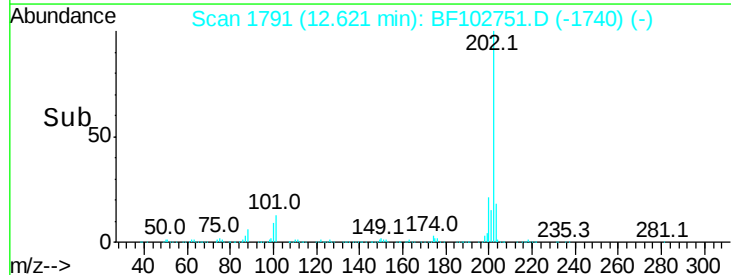
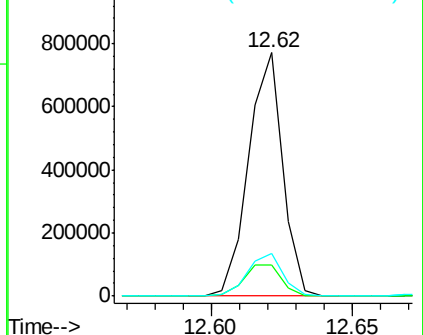
203 17.7 0.0 38.1

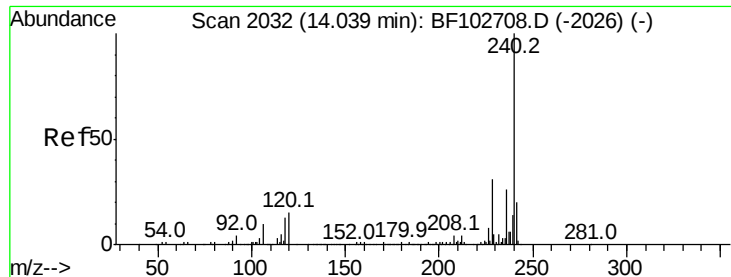


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampleId :

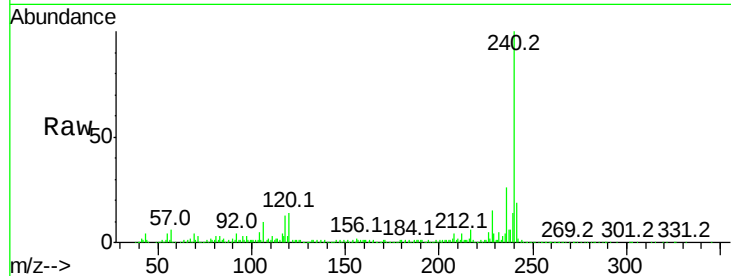
Tot Ion:240 Resp: 324728

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

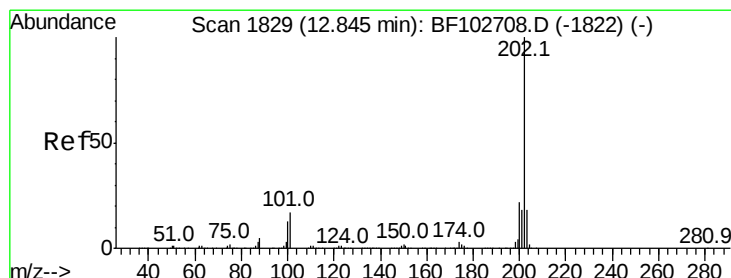
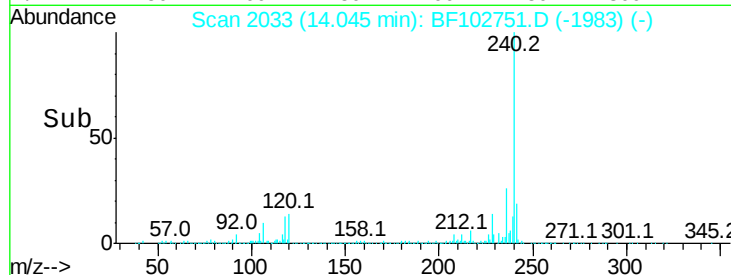
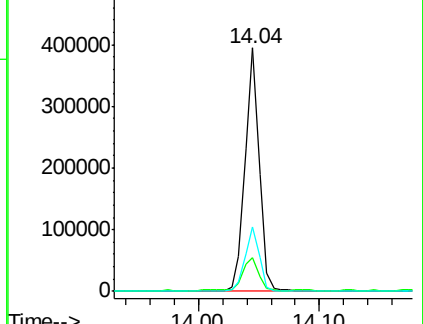
236 26.2 20.7 31.1



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: 21.666 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

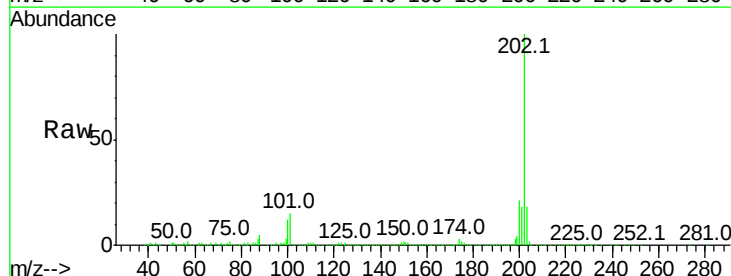
Tgt Ion:202 Resp: 551691

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

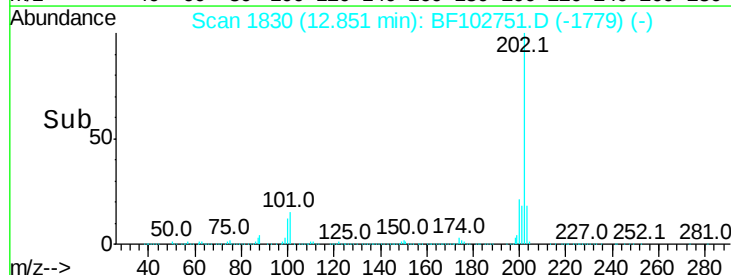
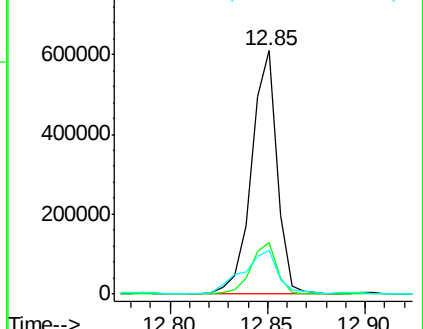
203 18.2 14.3 21.5

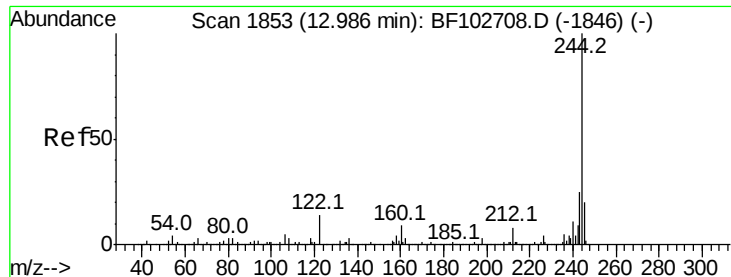


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.652 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampled :

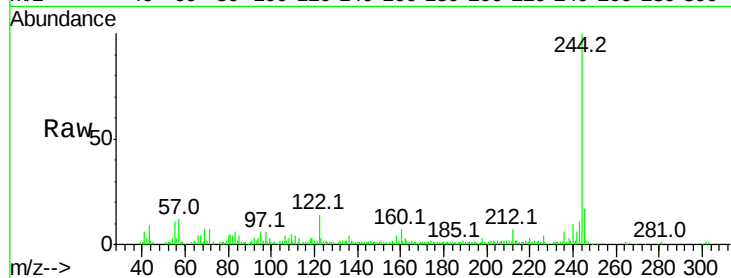
Tot Ion:244 Resp: 63805

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

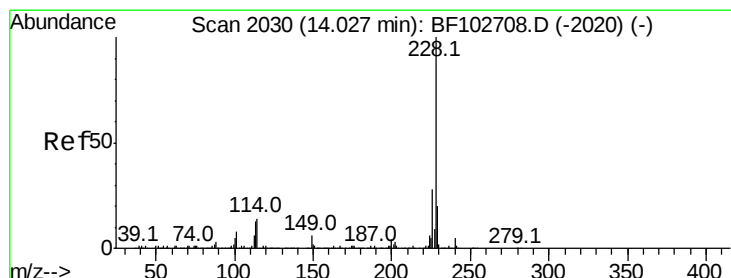
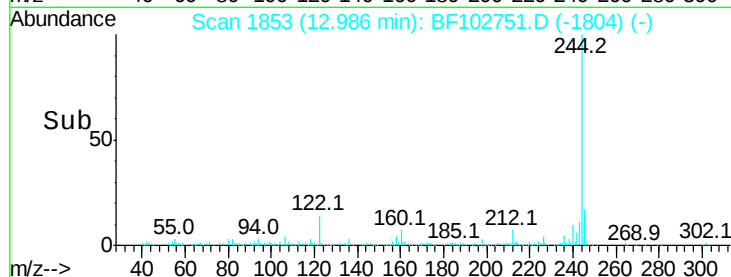
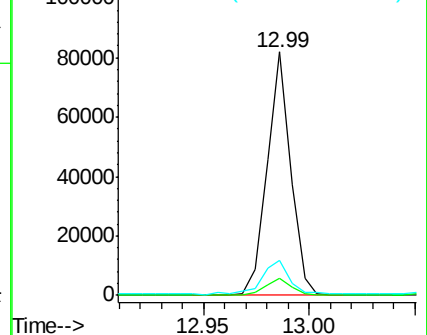
122 14.5 11.0 16.4



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: 15.002 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

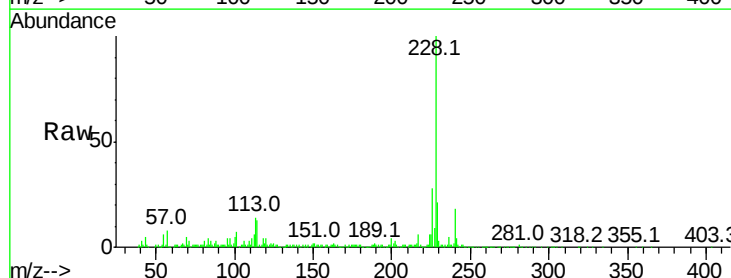
Tgt Ion:228 Resp: 306368

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

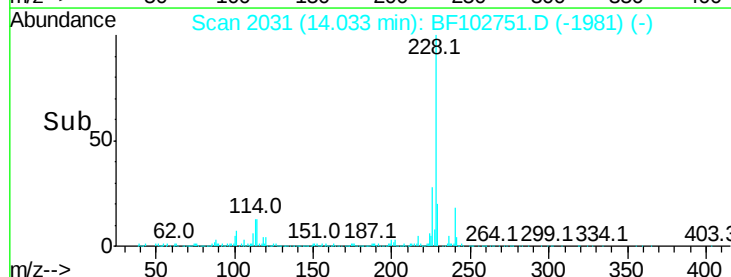
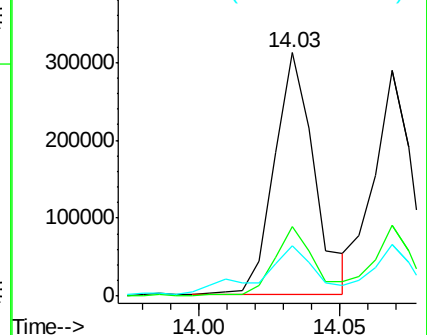
229 20.7 15.8 23.6

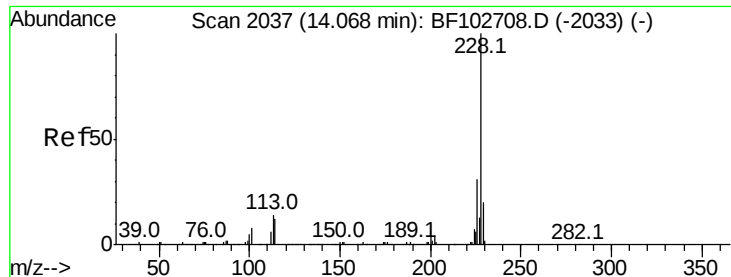


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.868 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampleId :

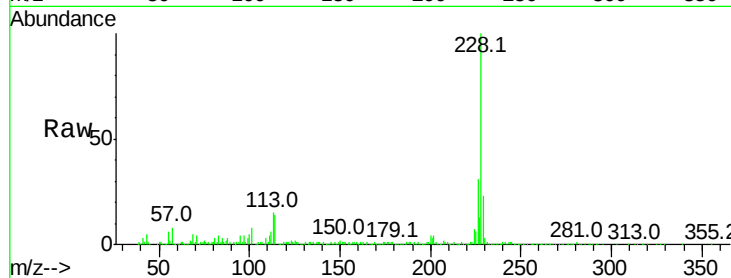
Tot Ion:228 Resp: 264912

Ion Ratio Lower Upper

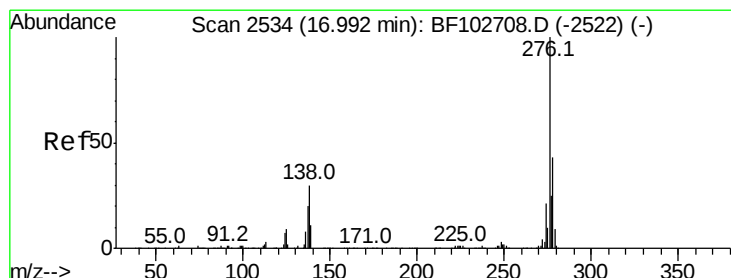
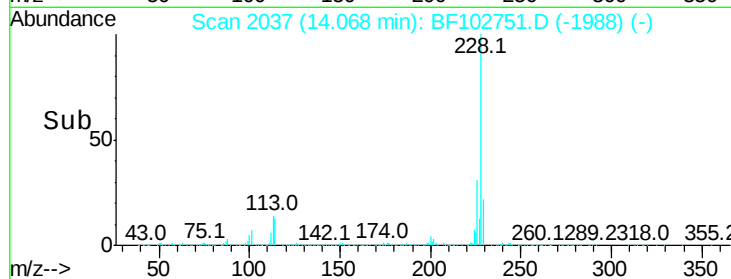
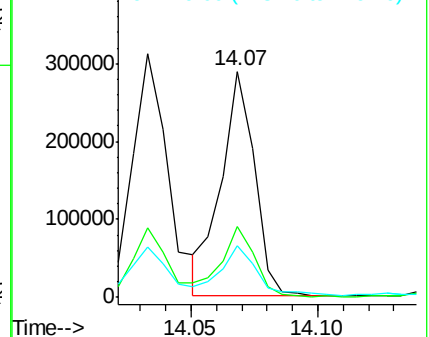
228 100

226 31.2 25.0 37.6

229 22.8 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: 8.882 ng

RT: 17.01 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

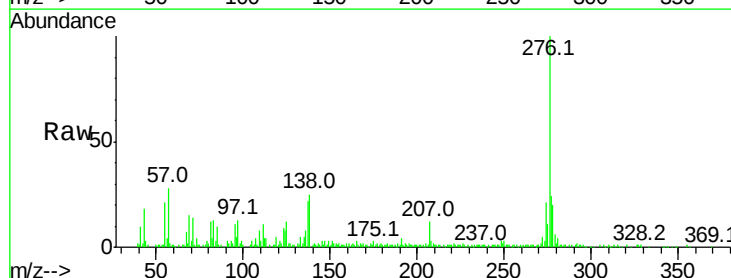
Tgt Ion:276 Resp: 151658

Ion Ratio Lower Upper

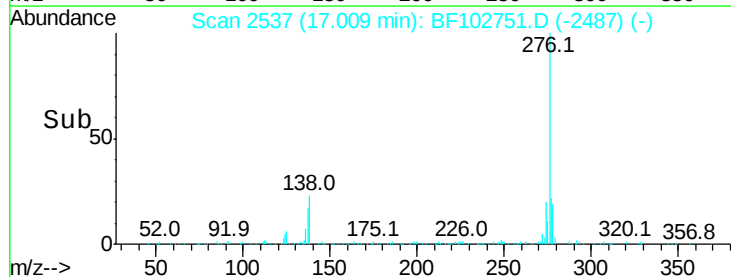
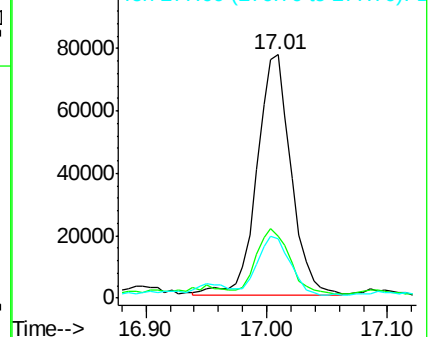
276 100

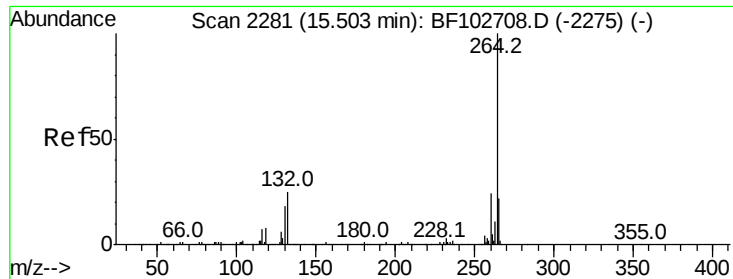
138 27.3 25.0 37.6

277 23.5 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

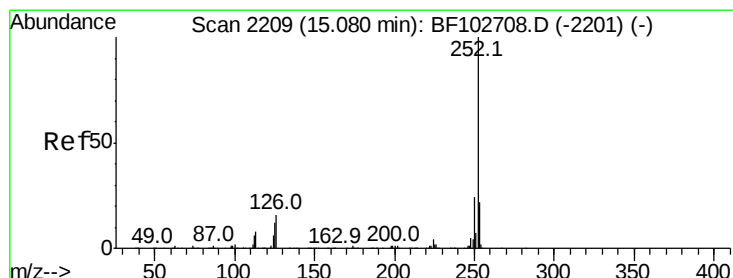
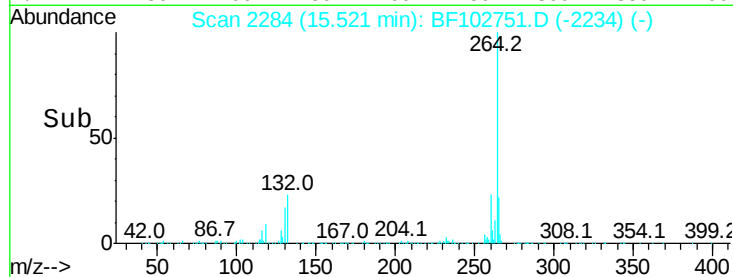
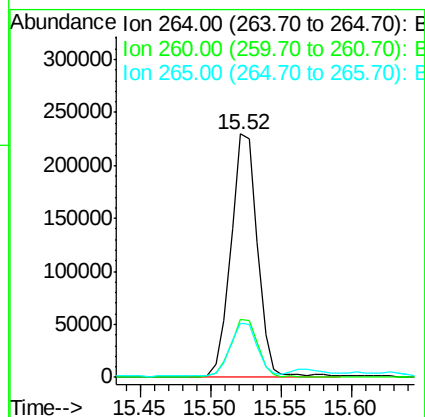
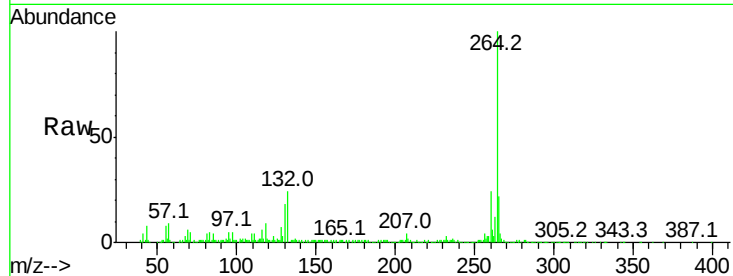




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

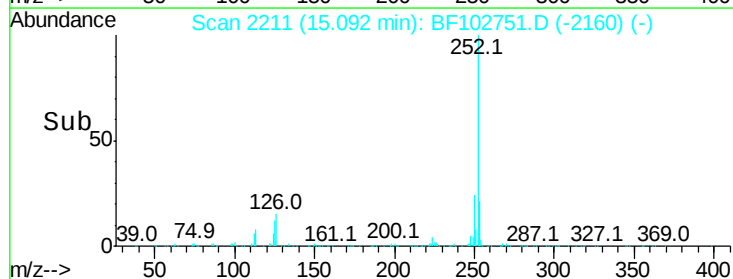
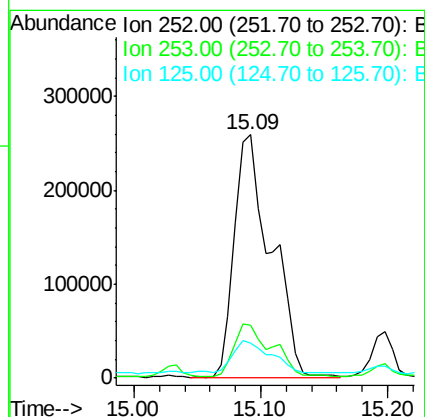
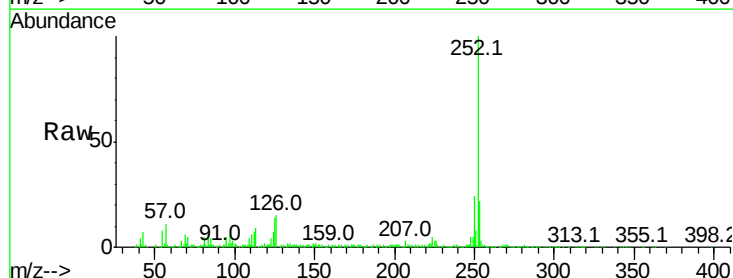
Instrument :
BNA_F
ClientSampleId :

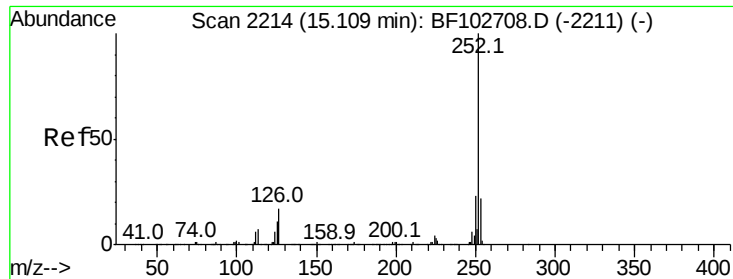
Tot Ion:264 Resp: 298050
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 26.678 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion:252 Resp: 515523
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 14.2 9.0 13.6#

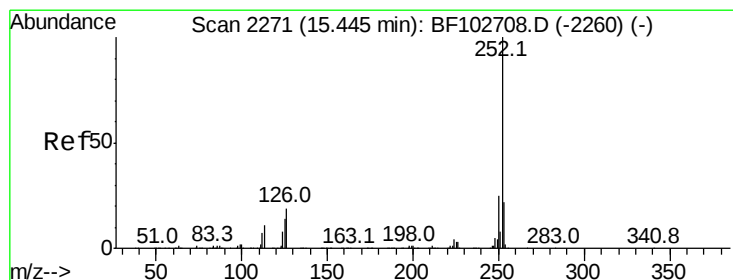
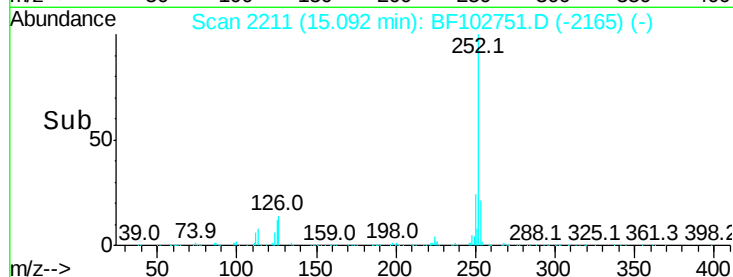
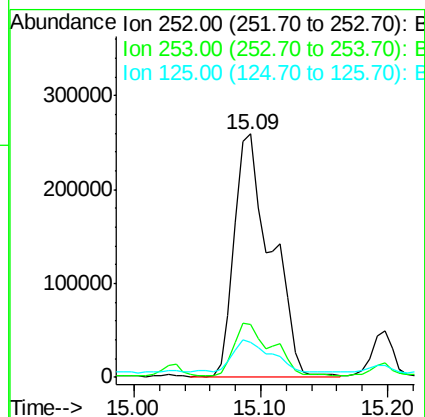
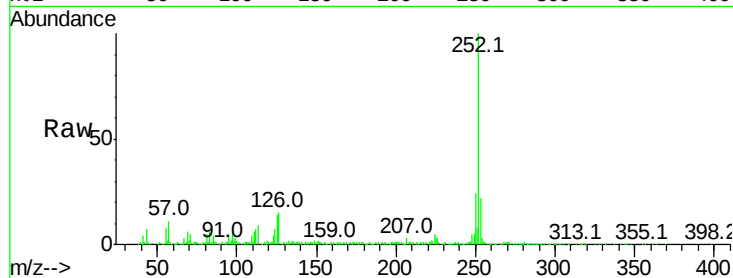




#88
Benzo(k)fluoranthene
Concen: 27.921 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

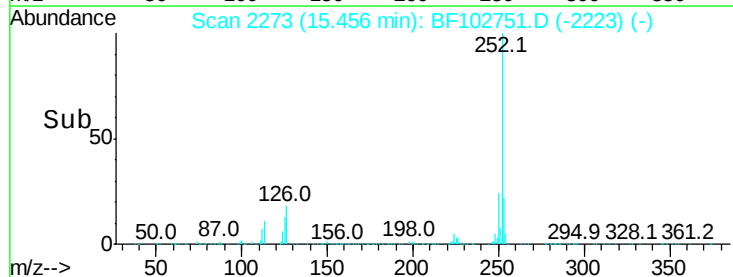
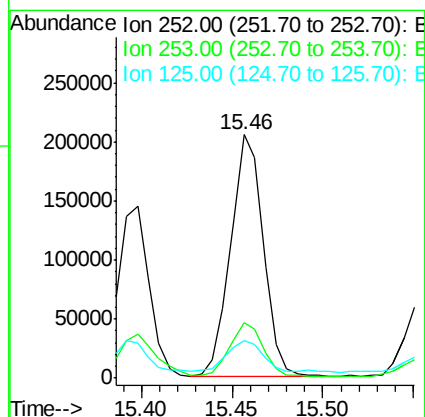
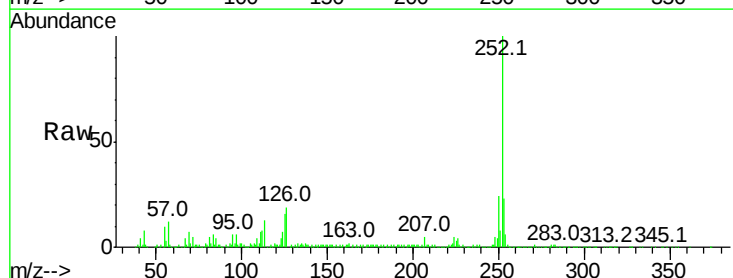
Instrument :
BNA_F
ClientSampleId :

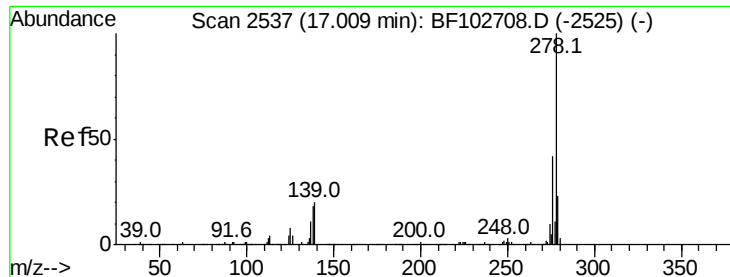
Tot Ion:252 Resp: 515523
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 14.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 14.862 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF102751.D
Acq: 5 Feb 2018 21:15

Tgt Ion:252 Resp: 258505
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 15.5 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.682 ng

RT: 17.02 min Scan# 2539

Delta R.T. -0.02 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

Instrument :

BNA_F

ClientSampleId :

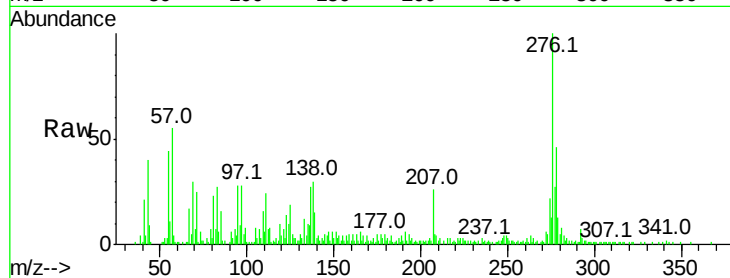
Tot Ion:278 Resp: 37860

Ion Ratio Lower Upper

278 100

139 32.2 15.9 23.9#

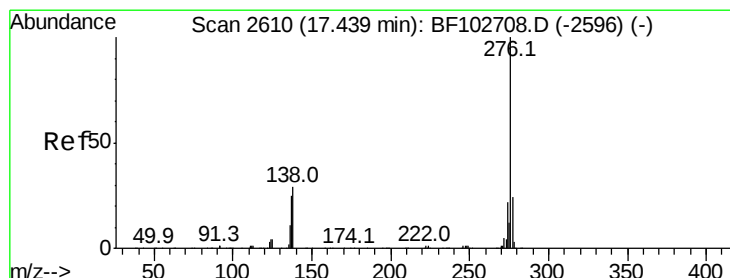
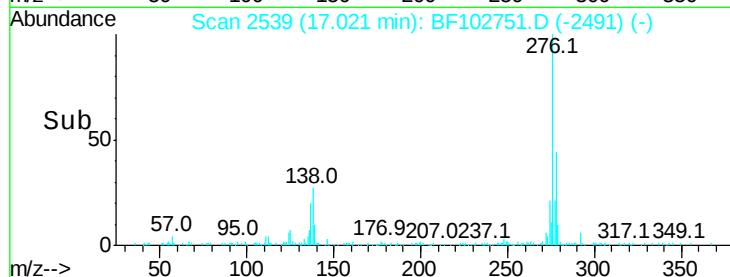
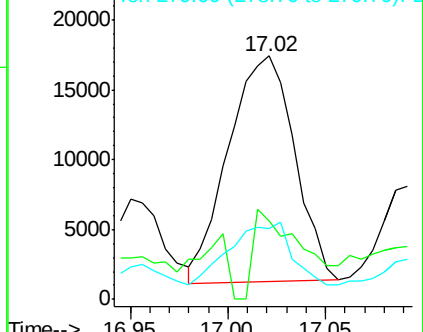
279 29.3 19.0 28.4#



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: 9.797 ng

RT: 17.46 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF102751.D

Acq: 5 Feb 2018 21:15

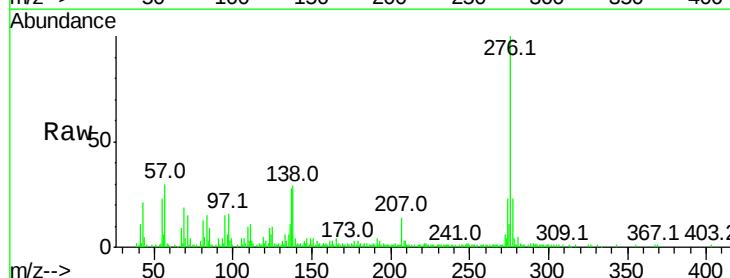
Tgt Ion:276 Resp: 135379

Ion Ratio Lower Upper

276 100

277 23.0 17.9 26.9

138 29.3 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

