

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
 Data File : BF102962.D
 Acq On : 13 Feb 2018 15:30
 Operator : SJ/JU
 Sample : J1511-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 00:06:27 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	168610	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	710811	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	304931	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	445317	20.00	ng	0.00
75) Chrysene-d12	14.04	240	289687	20.00	ng	0.00
86) Perylene-d12	15.52	264	307443	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	661927	59.62	ng	0.00
7) Phenol-d6	6.50	99	1110862	83.10	ng	0.00
23) Nitrobenzene-d5	7.43	82	736966	71.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	59716	24.33	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	917645	49.94	ng	-0.01
78) Terphenyl-d14	12.98	244	539553	44.10	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.51	94	71466	4.99	ng	86
19) n-Nitroso-di-n-propylamine	7.43	70	97839	11.10	ng	# 81
25) Isophorone	7.43	82	732860	31.06	ng	# 64
26) 2-Nitrophenol	7.77	139	548	8.76	ng	# 1
31) Naphthalene	8.17	128	816217	23.50	ng	99
32) Benzoic acid	7.93	122	7399	9.56	ng	# 20
33) 4-Chloroaniline	8.17	127	109984	7.35	ng	# 35
37) 2-Methylnaphthalene	8.87	142	215932	9.50	ng	100
45) 1,1'-Biphenyl	9.33	154	65796	2.56	ng	98
47) 2-Nitroaniline	9.43	65	1262	3.66	ng	# 45
49) Dimethylphthalate	9.62	163	109940	4.62	ng	# 96
51) Acenaphthene	9.95	154	170184	9.06	ng	99
53) 2,4-Dinitrophenol	10.10	184	227	8.21	ng	# 1
54) Dibenzofuran	10.12	168	254746	9.62	ng	96
55) 4-Nitrophenol	10.01	139	7978	5.68	ng	# 42
56) 2,4-Dinitrotoluene	10.11	165	4111	3.71	ng	# 1
57) Fluorene	10.46	166	176884	9.19	ng	99
64) 4,6-Dinitro-2-methylphenol	10.52	198	408	9.00	ng	# 1
65) n-Nitrosodiphenylamine	10.56	169	36436	2.32	ng	# 57
70) Phenanthrene	11.43	178	1744579	70.34	ng	99
71) Anthracene	11.47	178	451064	17.88	ng	98
72) Carbazole	11.63	167	191298	7.74	ng	99
73) Di-n-butylphthalate	11.95	149	85588	2.85	ng	98
74) Fluoranthene	12.62	202	1099252	44.05	ng	99
77) Pyrene	12.84	202	1124867	49.52	ng	100
79) Butylbenzylphthalate	13.45	149	15194	2.39	ng	# 79
80) Benzo(a)anthracene	14.03	228	514302	28.23	ng	99
82) Chrysene	14.06	228	474550	25.84	ng	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	75707	5.44	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	199493	13.10	ng	96
87) Benzo(b)fluoranthene	15.09	252	648558	32.54	ng	# 92
88) Benzo(k)fluoranthene	15.09	252	648558	34.05	ng	# 95
89) Benzo(a)pyrene	15.45	252	379831	21.17	ng	# 94
90) Dibenzo(a,h)anthracene	17.01	278	54120	3.72	ng	# 86

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Response via : Initial Calibration

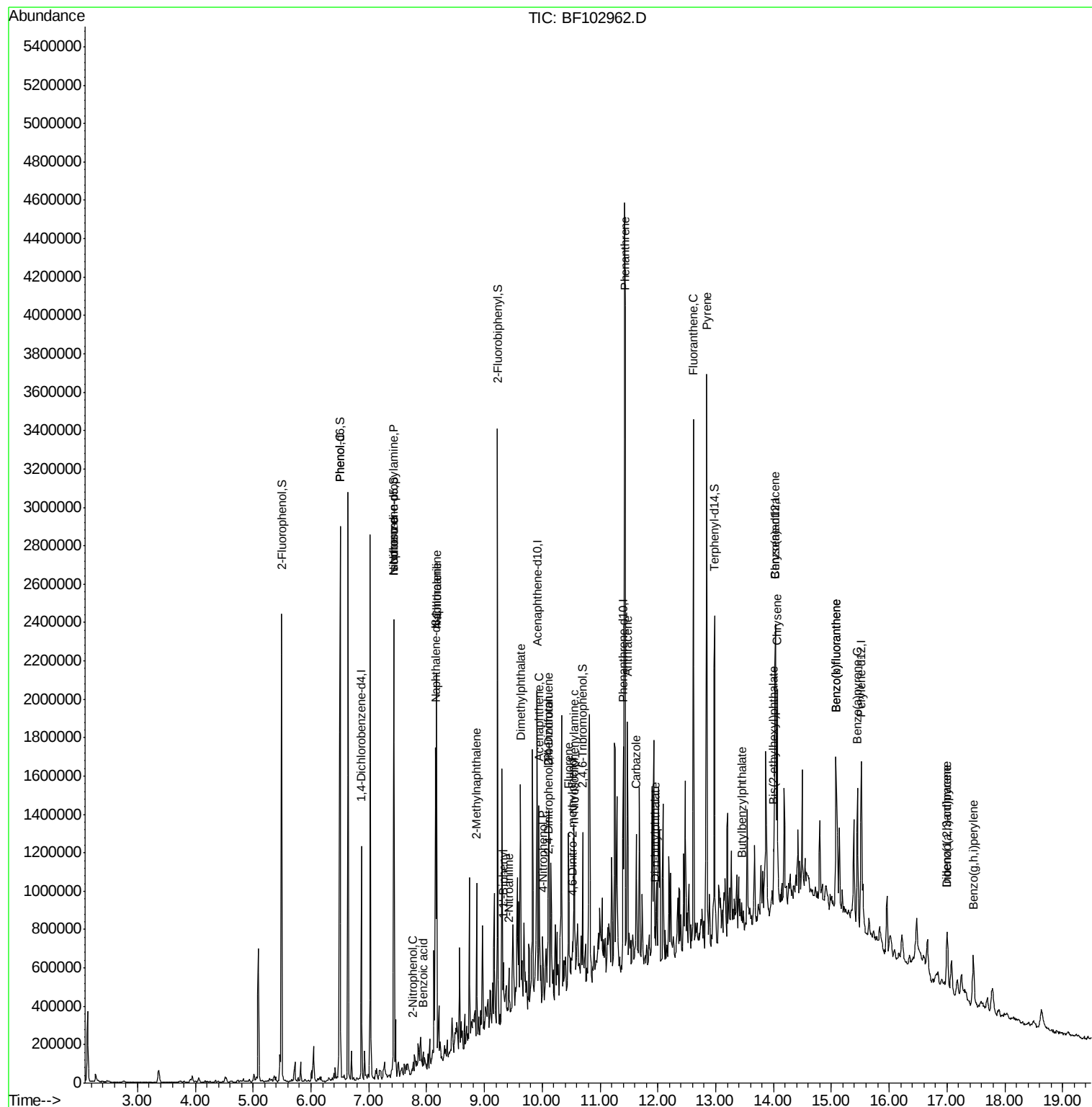
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	17.46	276	214687	15.06	nq	95

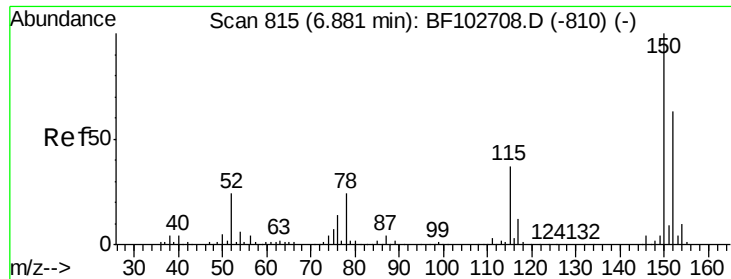
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :
BNA_F
ClientSampleId :

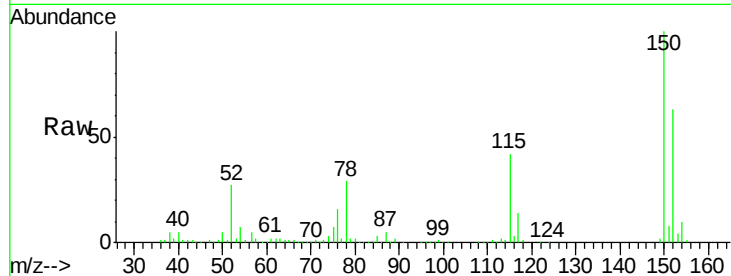
Tot Ion:152 Resp: 168610

Ion Ratio Lower Upper

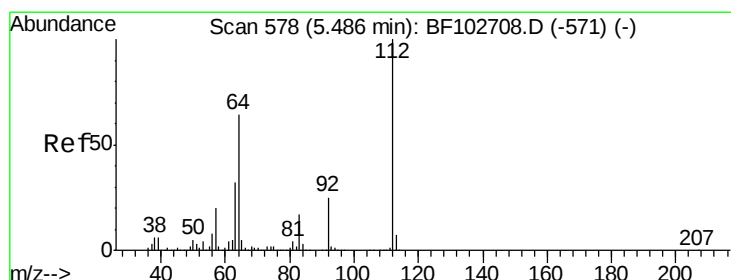
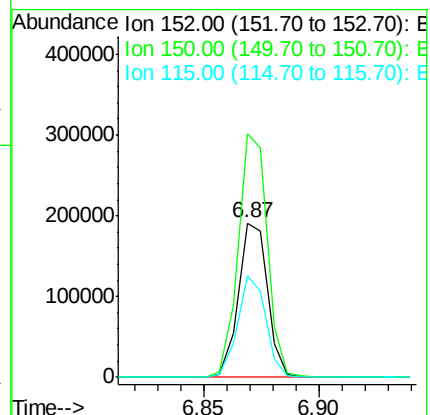
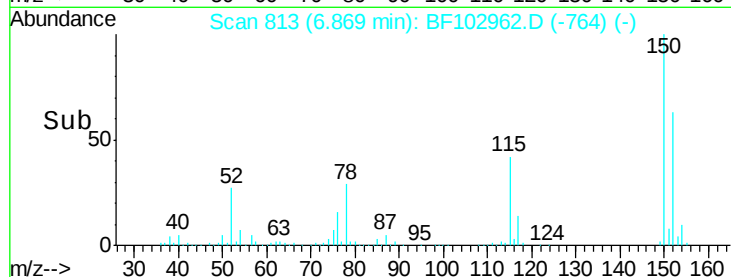
152 100

150 158.1 124.6 186.8

115 66.2 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: 59.62 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

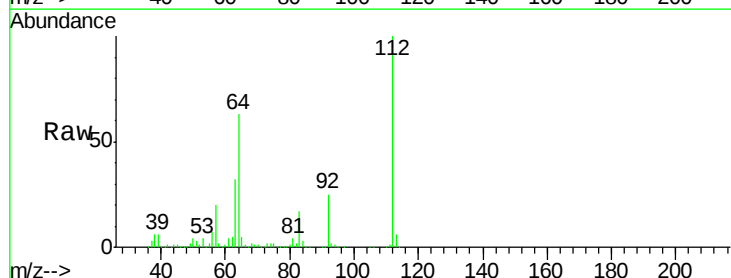
Tgt Ion:112 Resp: 661927

Ion Ratio Lower Upper

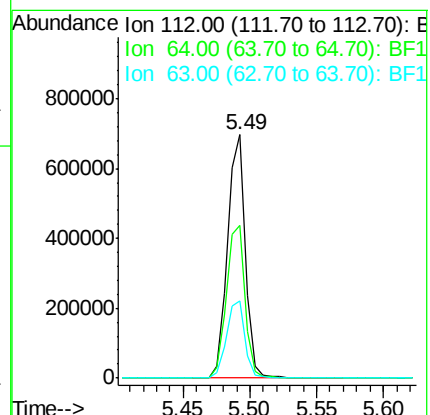
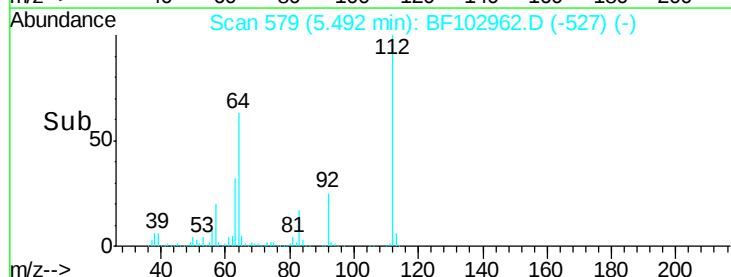
112 100

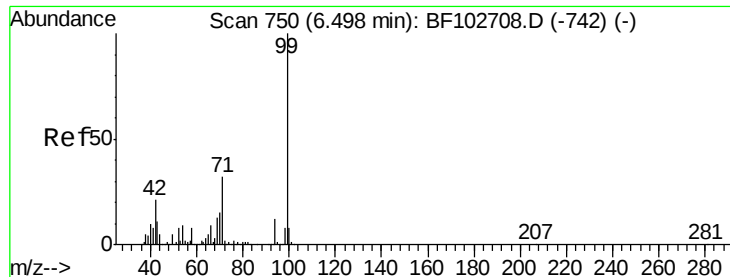
64 63.0 47.9 71.9

63 31.6 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: 83.10 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

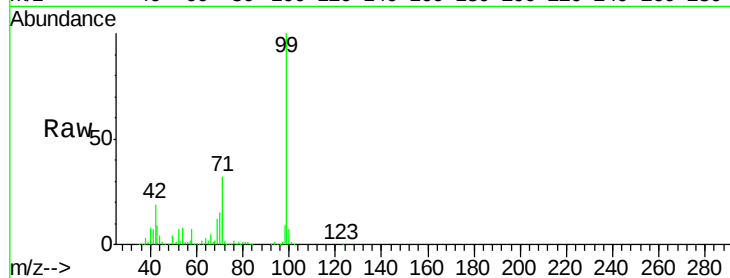
Tot Ion: 99 Resp: 1110862

Ion Ratio Lower Upper

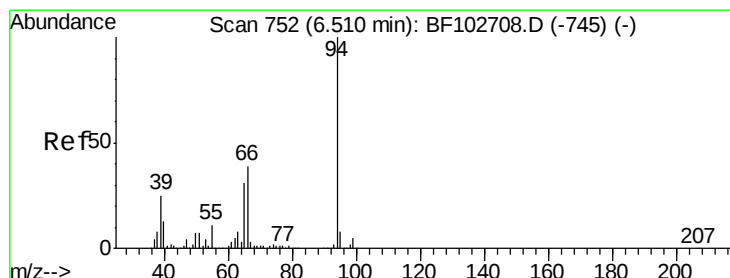
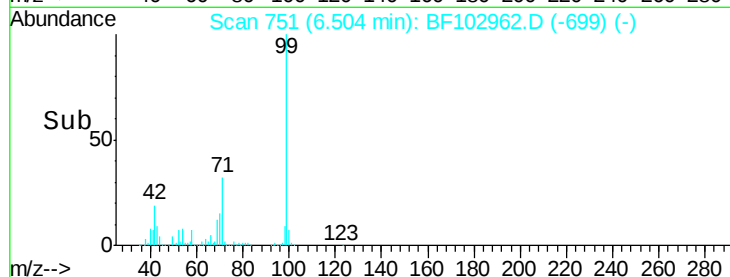
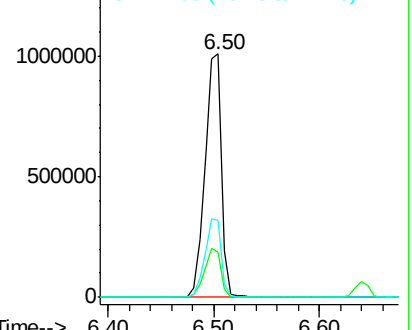
99 100

42 18.7 14.5 21.7

71 31.6 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: 4.99 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

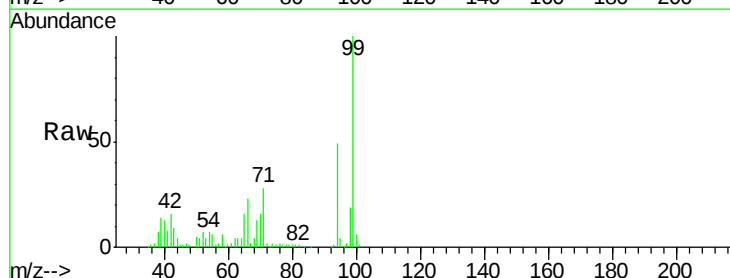
Tgt Ion: 94 Resp: 71466

Ion Ratio Lower Upper

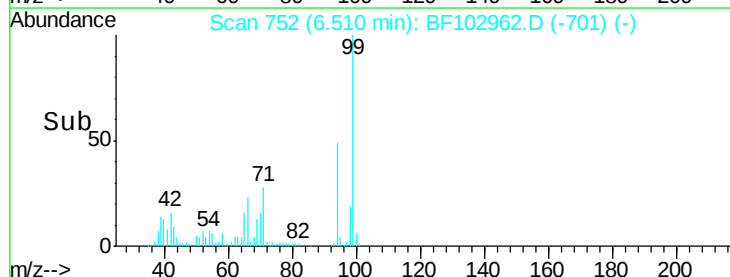
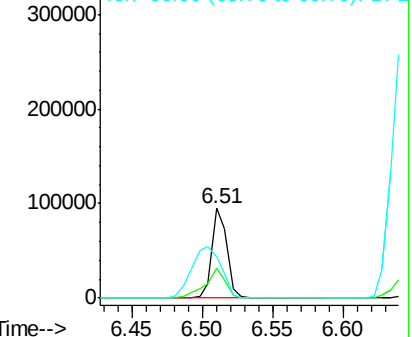
94 100

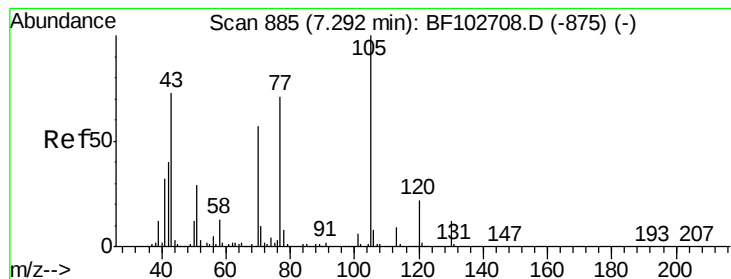
65 33.2 7.9 47.9

66 45.9 16.2 56.2



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





#19

n-Nitroso-di-n-propylamine

Concen: 11.10 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 97839

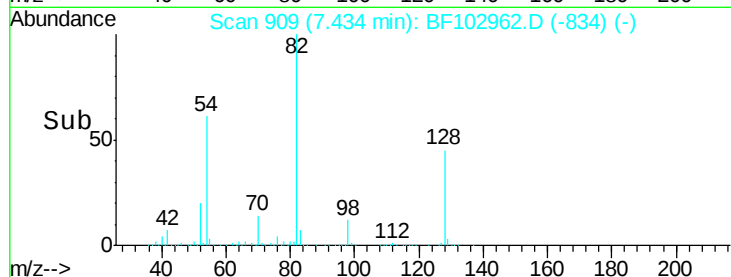
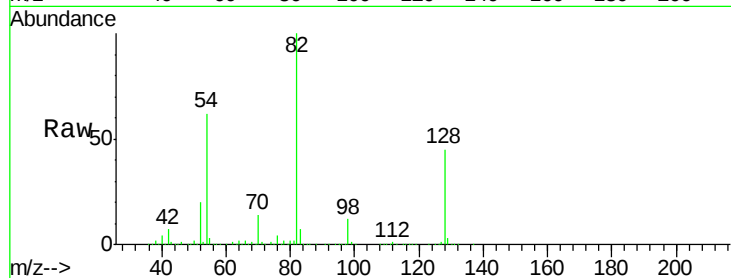
Ion Ratio Lower Upper

70 100

42 51.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

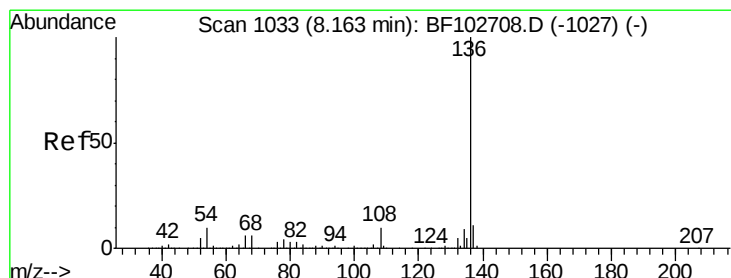
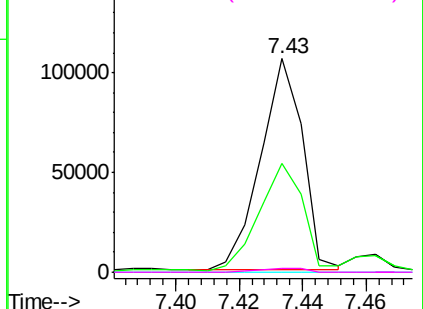


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Tgt Ion: 136 Resp: 710811

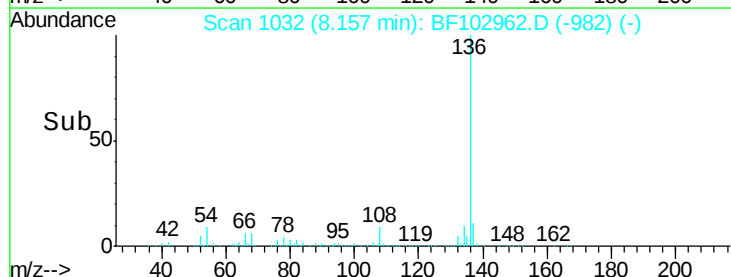
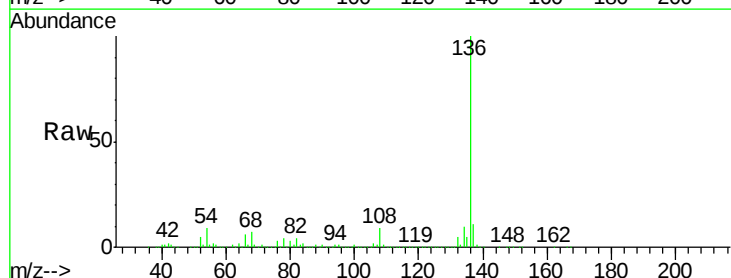
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.4 6.6 9.8

68 6.5 5.0 7.4

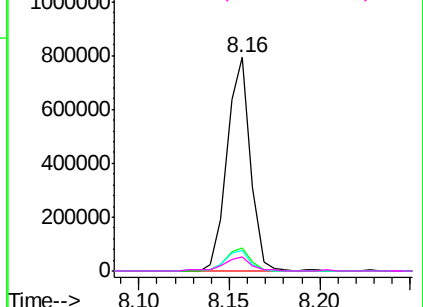


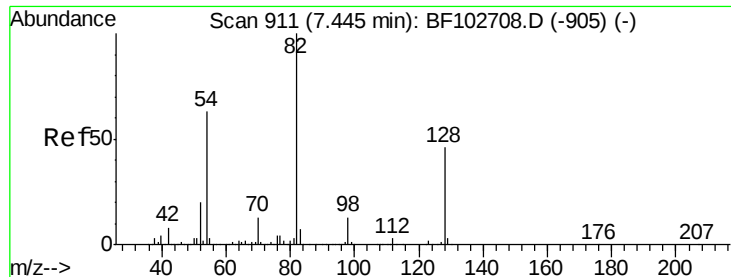
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

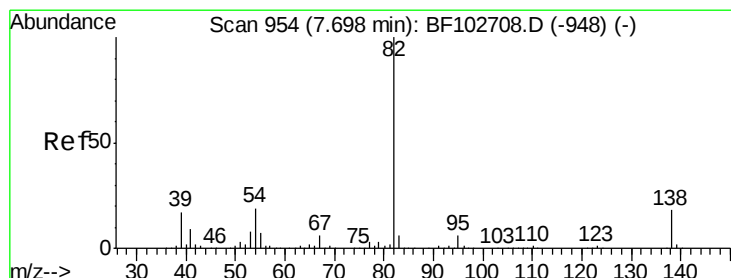
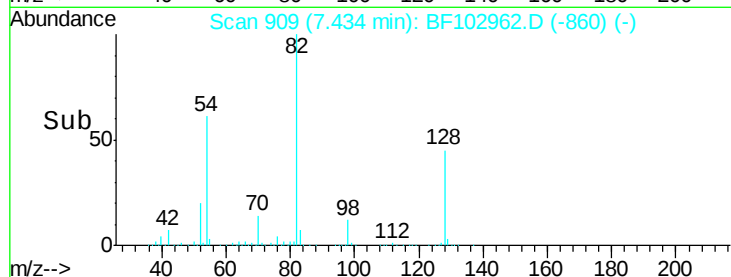
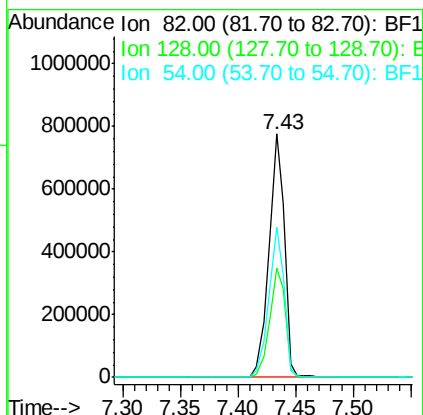
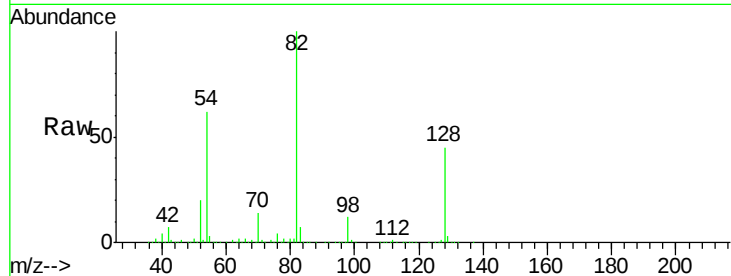




#23
 Nitrobenzene-d5
 Concen: 71.92 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF102962.D
 Acq: 13 Feb 2018 15:30

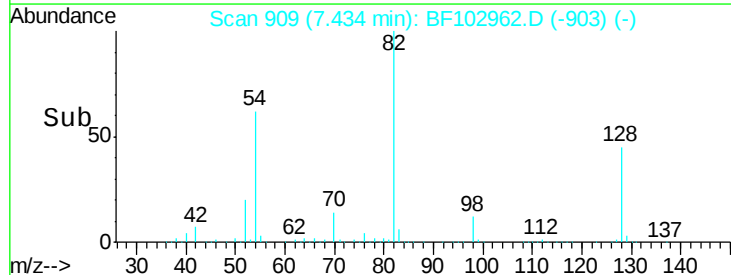
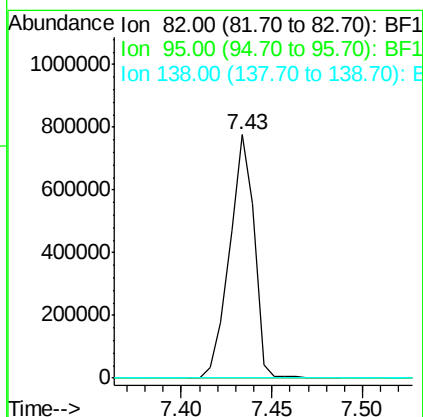
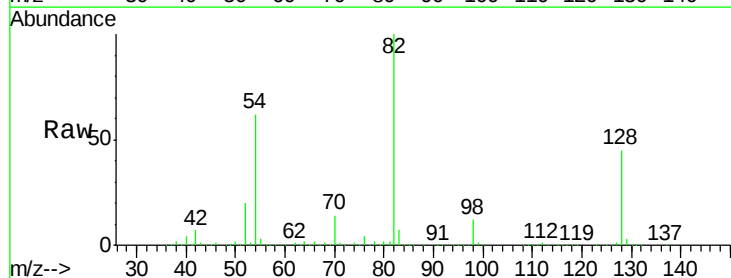
Instrument :
 BNA_F
 ClientSampleID :

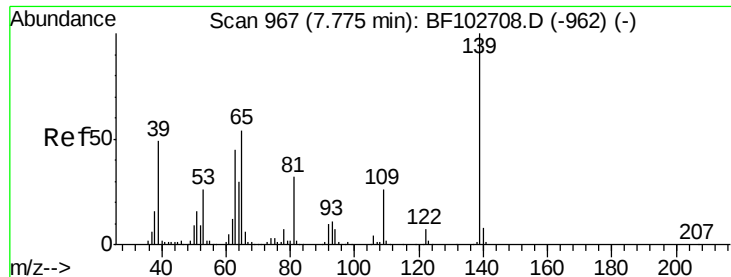
Tot Ion	82	Resp	736966
Ion Ratio	Lower	Upper	
82	100		
128	45.0	36.1	54.1
54	61.5	41.4	62.2



#25
 Isophorone
 Concen: 31.06 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.26 min
 Lab File: BF102962.D
 Acq: 13 Feb 2018 15:30

Tgt Ion	82	Resp	732860
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#





#26

2-Nitrophenol

Concen: 8.76 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

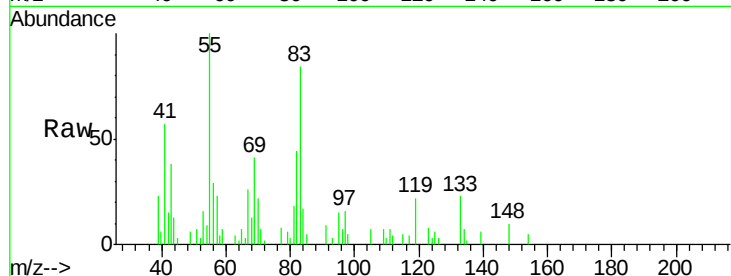
Tot Ion:139 Resp: 548

Ion Ratio Lower Upper

139 100

109 118.7 22.7 34.1#

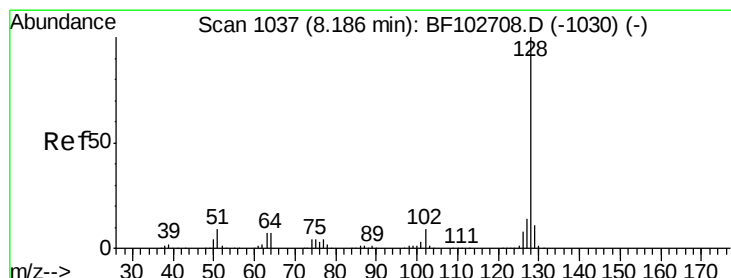
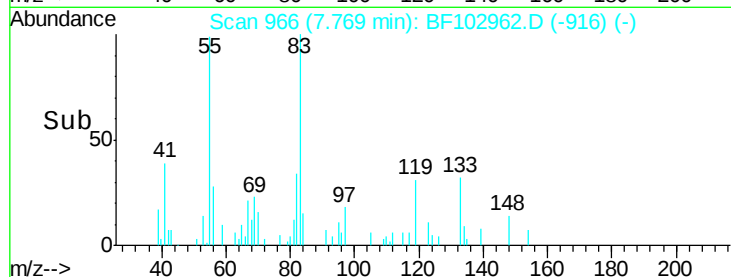
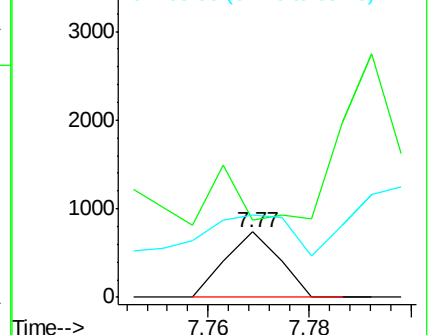
65 126.1 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#31

Naphthalene

Concen: 23.50 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

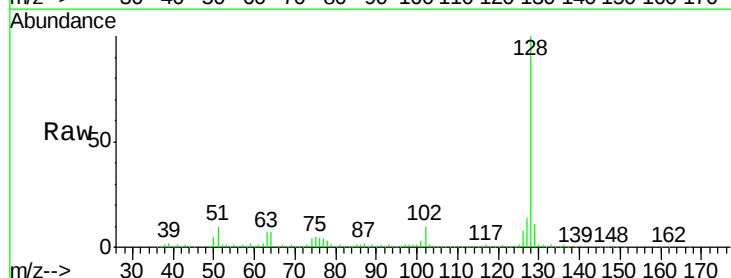
Tgt Ion:128 Resp: 816217

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

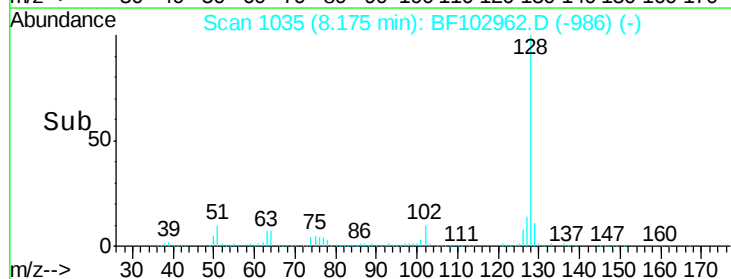
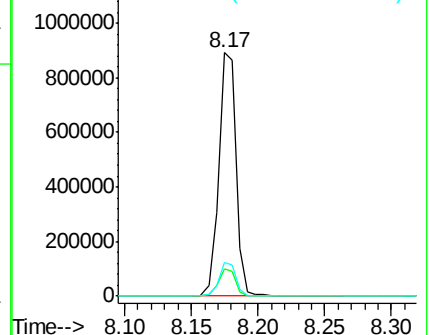
127 13.8 10.9 16.3

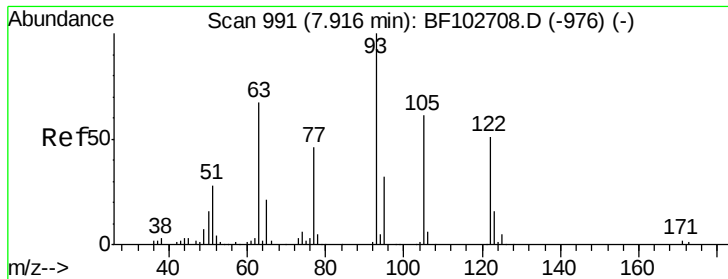


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

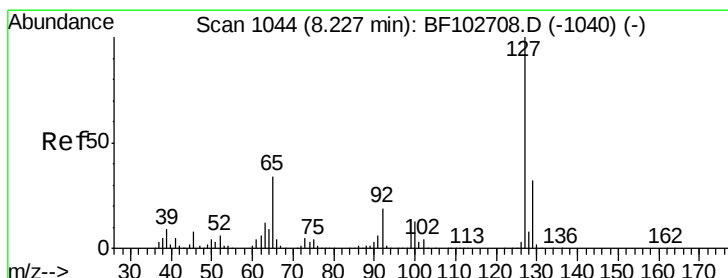
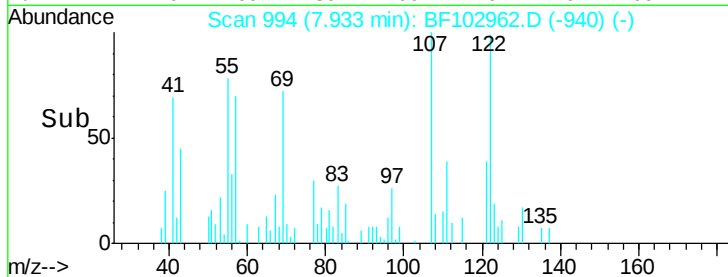
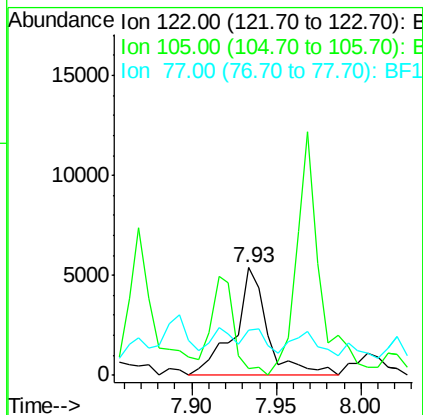
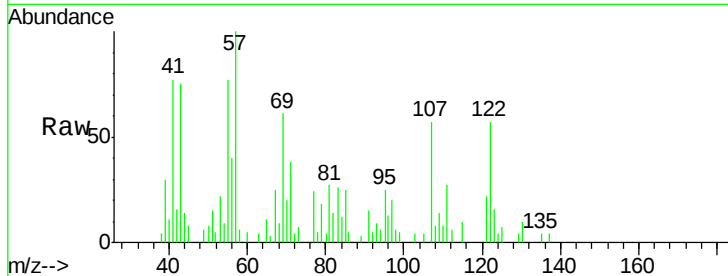




#32
Benzoic acid
Concen: 9.56 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.02 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

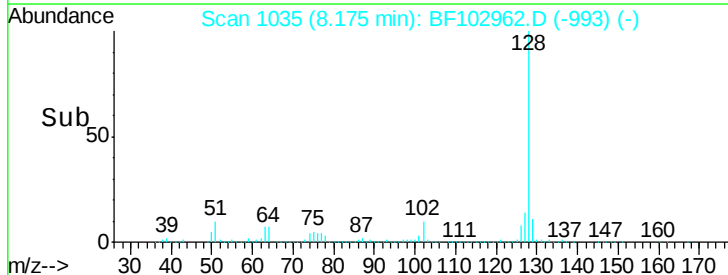
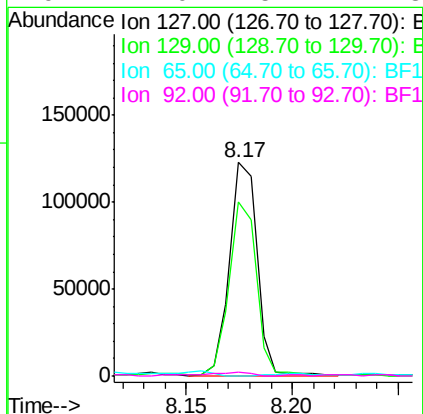
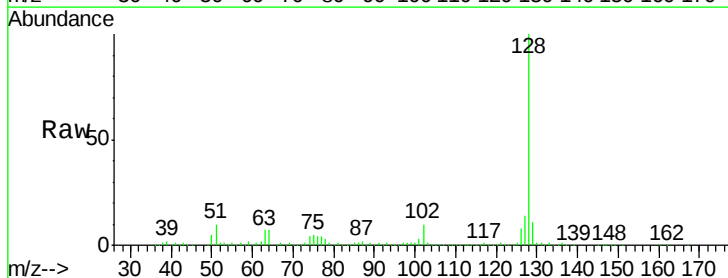
Instrument :
BNA_F
ClientSampleId :

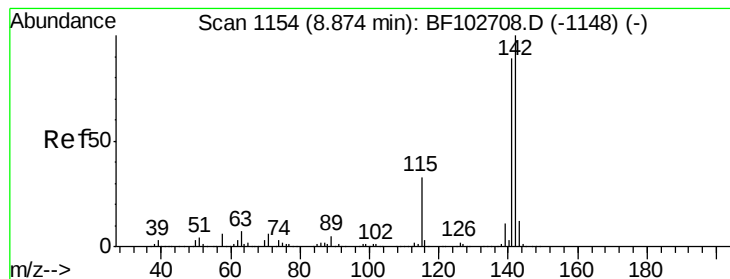
Tot Ion:122 Resp: 7399
Ion Ratio Lower Upper
122 100
105 6.8 101.1 141.1#
77 42.4 70.7 110.7#



#33
4-Chloroaniline
Concen: 7.35 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.05 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

Tgt Ion:127 Resp: 109984
Ion Ratio Lower Upper
127 100
129 81.8 25.9 38.9#
65 0.0 25.0 37.4#
92 2.0 15.2 22.8#

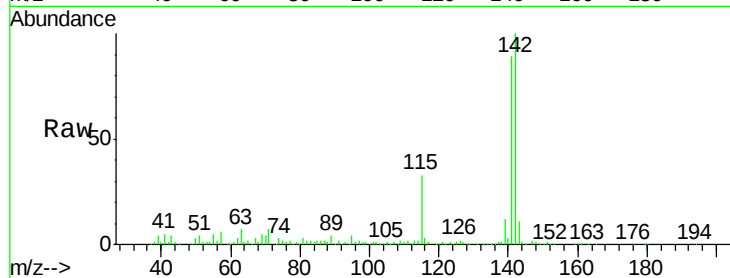




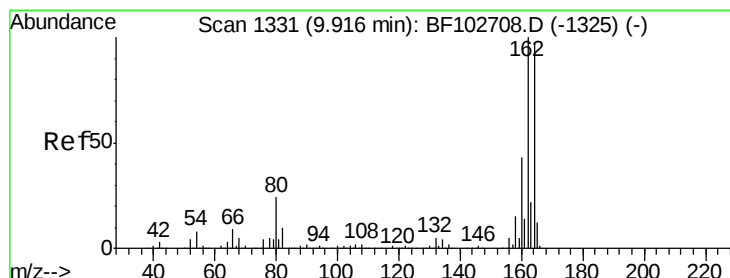
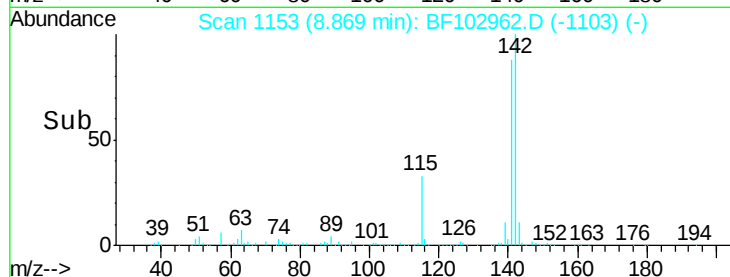
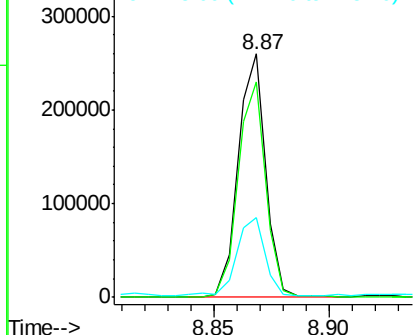
#37
2-Methylnaphthalene
Concen: 9.50 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2
115	32.7	26.1	39.1

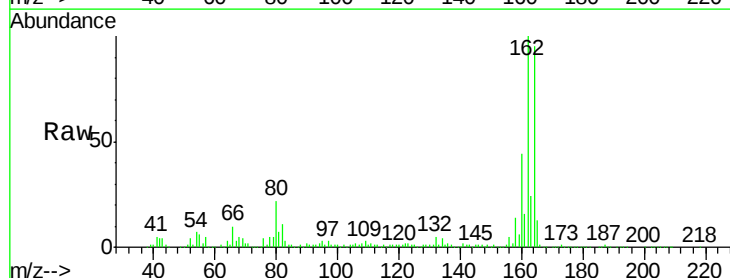


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

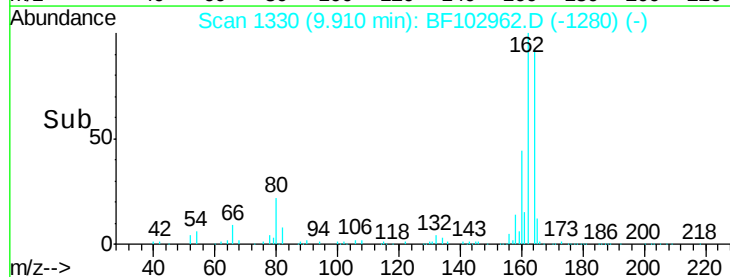
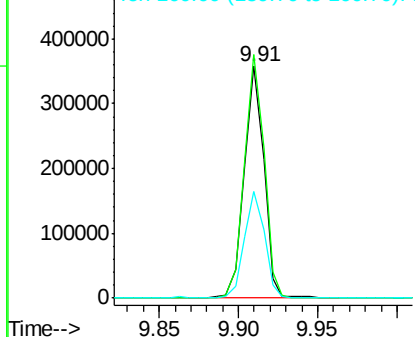


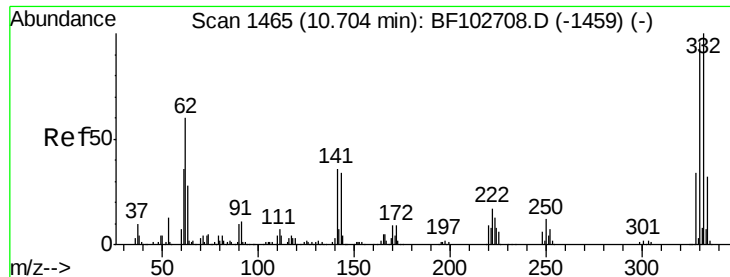
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	46.3	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: 24.33 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF102962.D

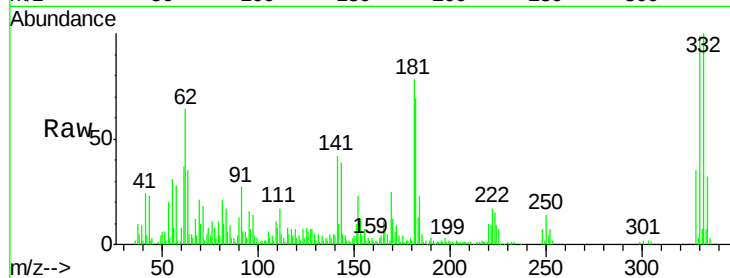
Acq: 13 Feb 2018 15:30

Instrument :

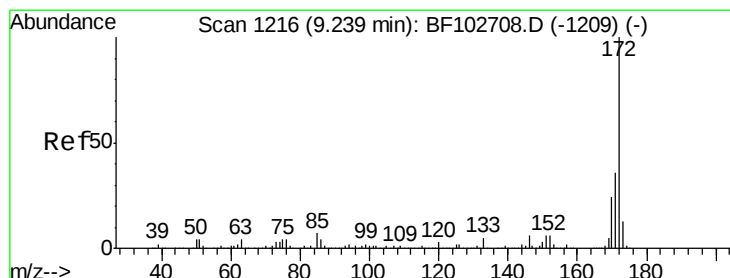
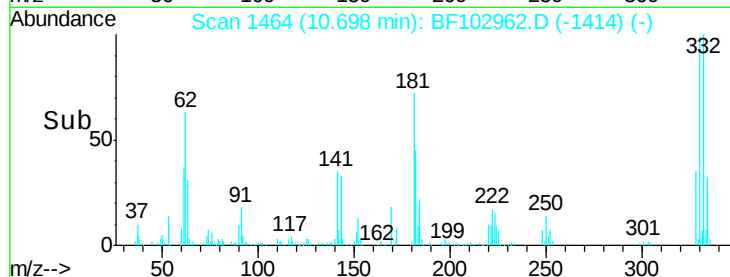
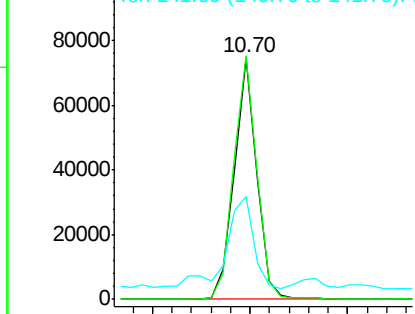
BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	59716
Ion	Ratio	Lower	Upper
330	100		
332	102.8	77.0	115.6
141	46.8	29.9	44.9#



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



#44

2-Fluorobiphenyl

Concen: 49.94 ng

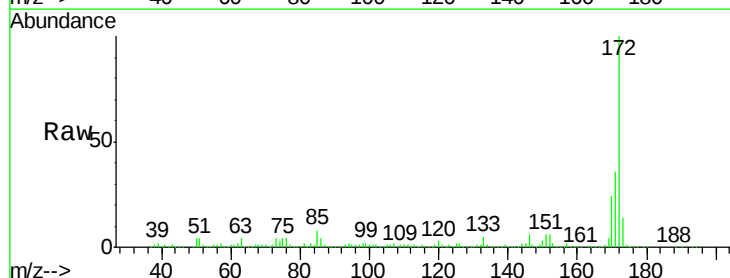
RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

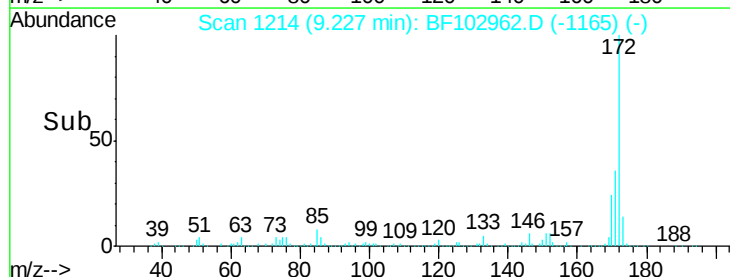
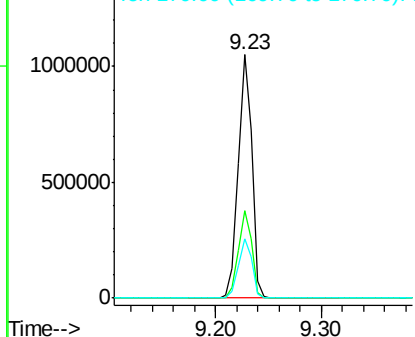
Lab File: BF102962.D

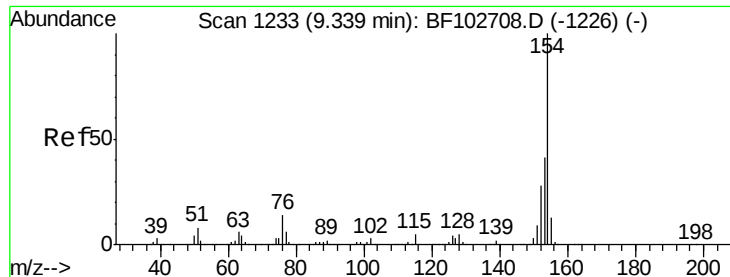
Acq: 13 Feb 2018 15:30

Tgt Ion:	172	Resp:	917645
Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.2	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

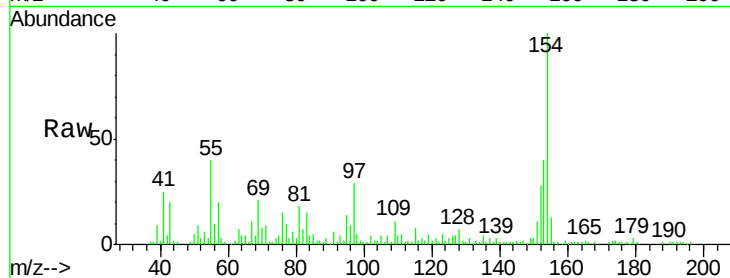




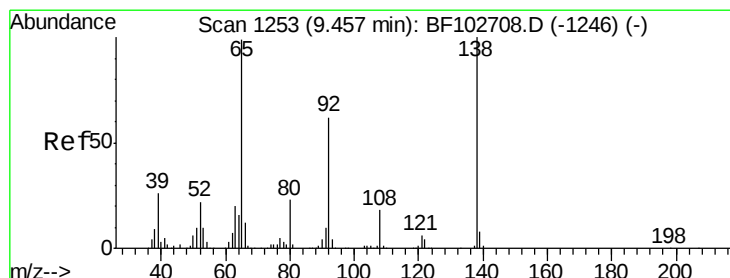
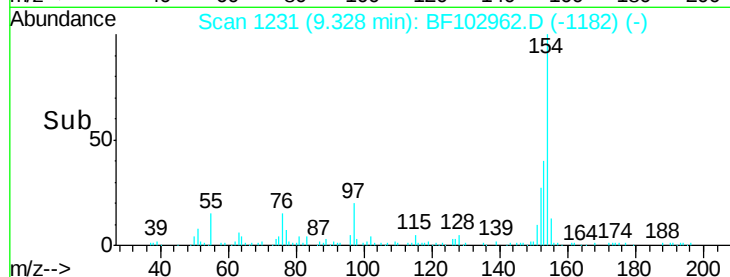
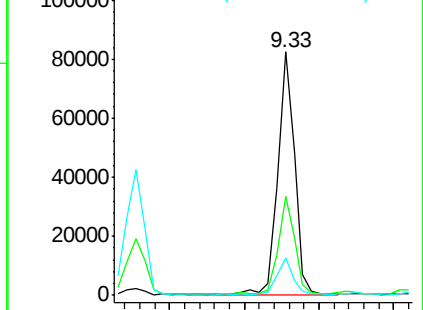
#45
 1,1'-Biphenyl
 Concen: 2.56 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF102962.D
 Acq: 13 Feb 2018 15:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.3	61.3
76	15.4	0.0	34.0

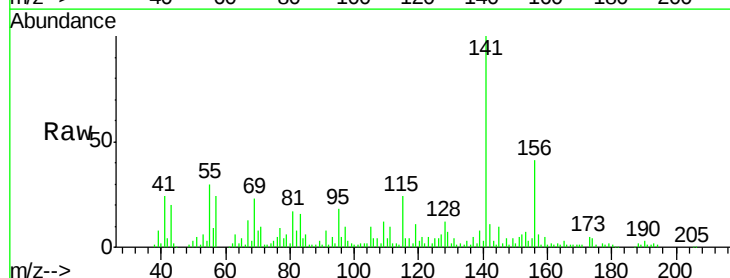


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

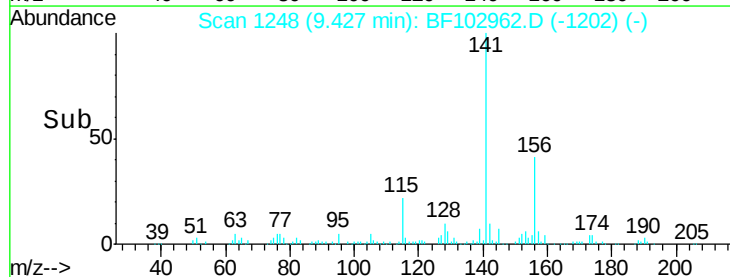
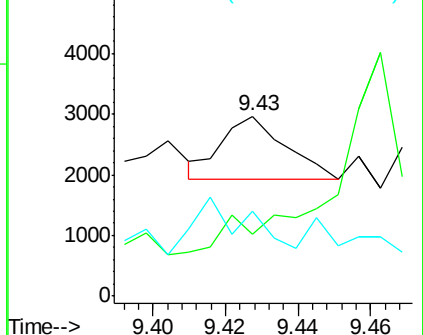


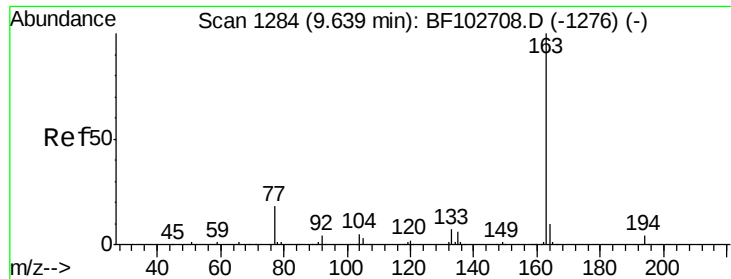
#47
 2-Nitroaniline
 Concen: 3.66 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: BF102962.D
 Acq: 13 Feb 2018 15:30

Tgt Ion	Ratio	Lower	Upper
65	100		
92	34.4	55.8	83.6#
138	47.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

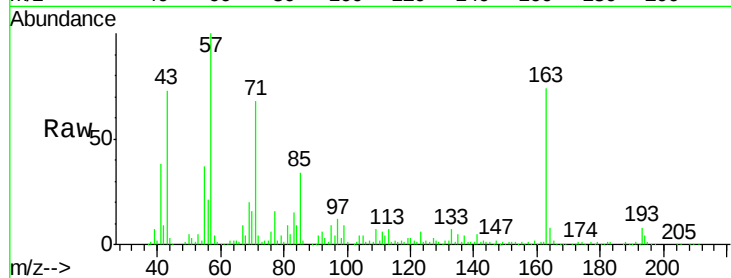




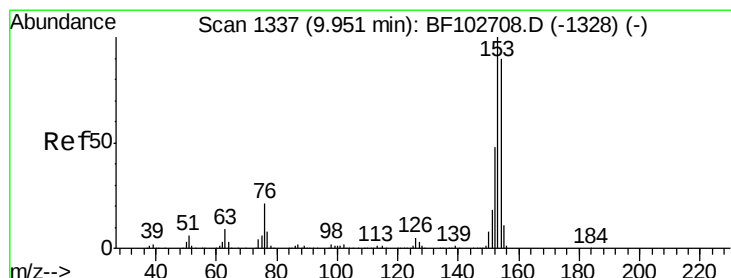
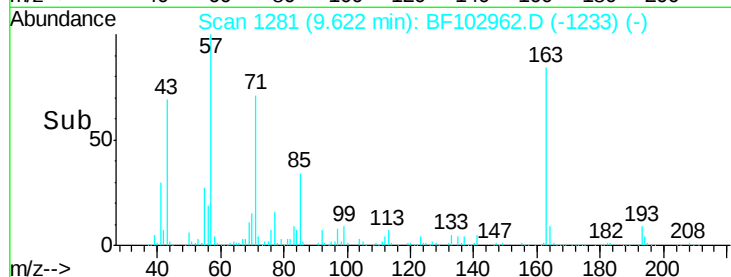
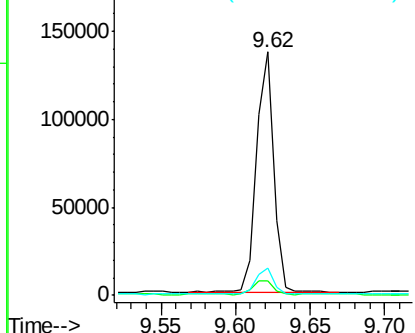
#49
Dimethylphthalate
Concen: 4.62 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 109940
Ion Ratio Lower Upper
163 100
194 5.8 2.7 4.1#
164 11.1 8.2 12.2

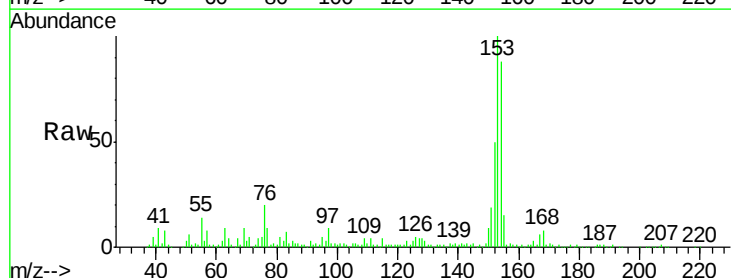


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

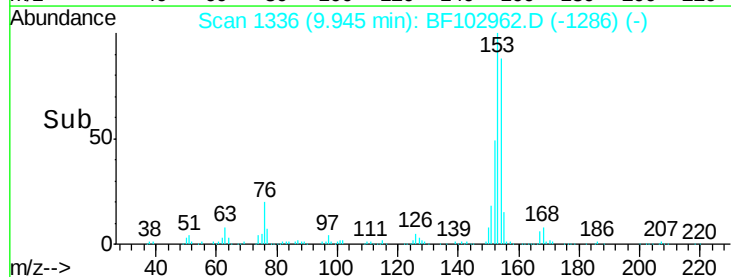
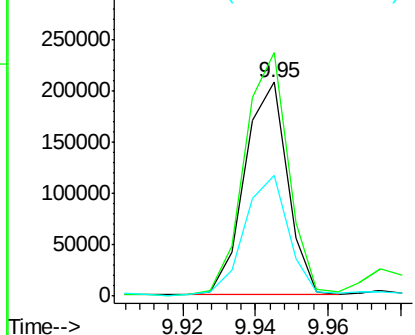


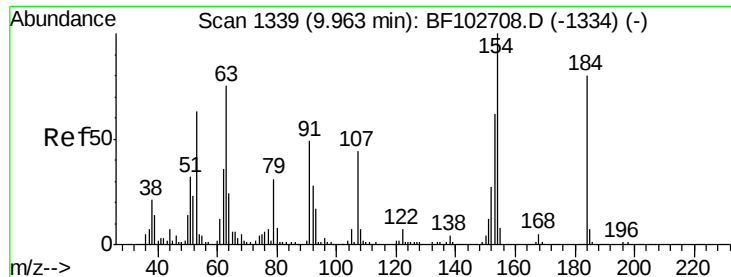
#51
Acenaphthene
Concen: 9.06 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

Tgt Ion:154 Resp: 170184
Ion Ratio Lower Upper
154 100
153 114.0 91.2 136.8
152 56.4 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

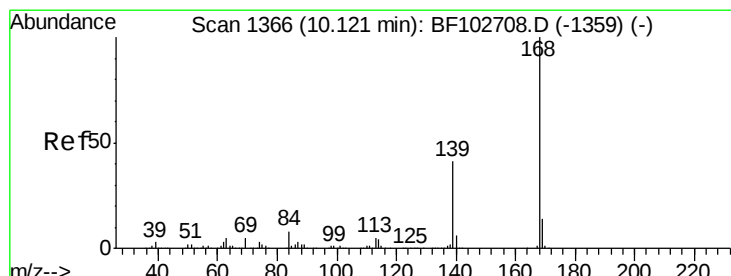
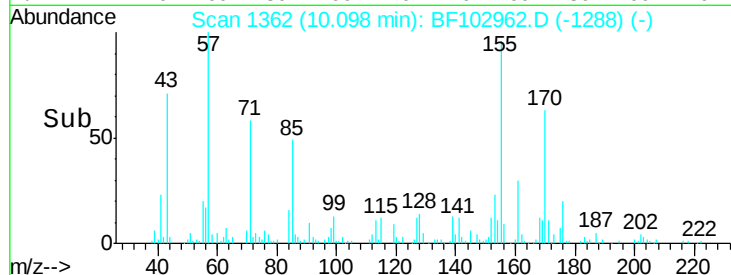
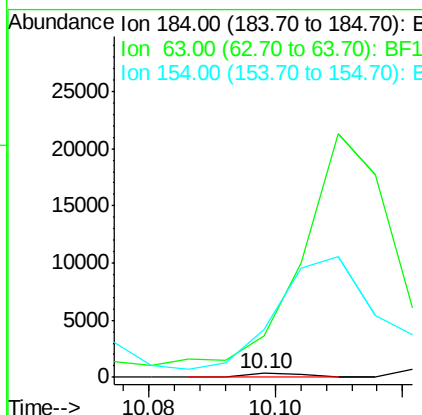
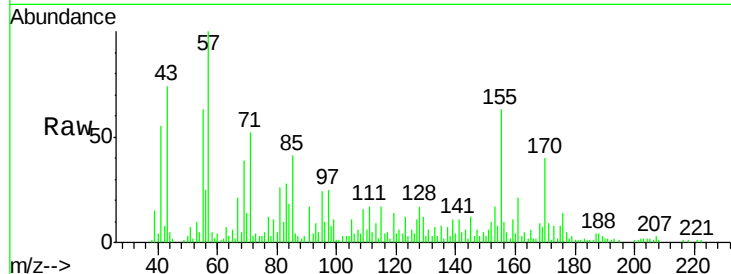




#53
2,4-Dinitrophenol
Concen: 8.21 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.14 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

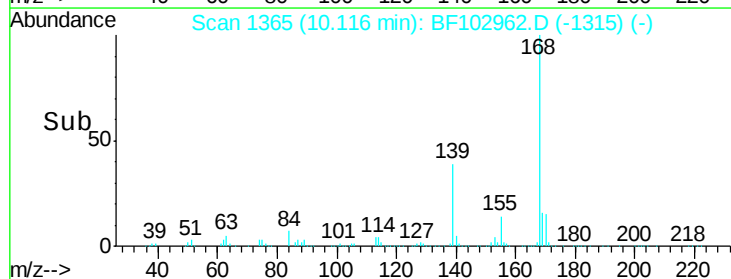
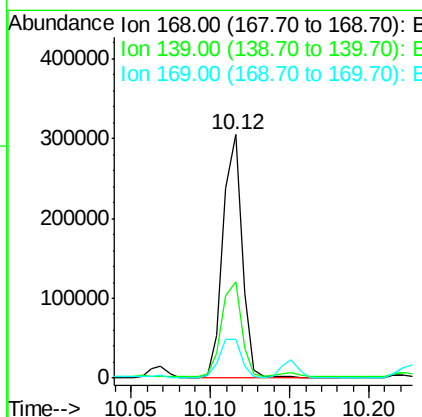
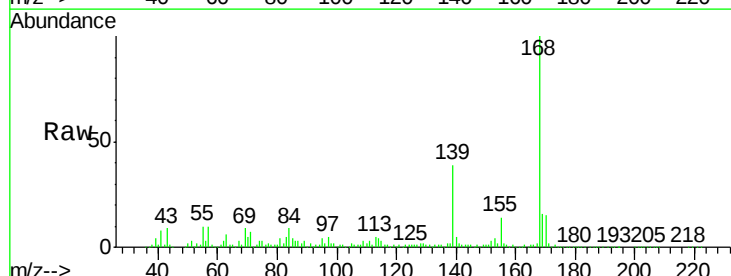
Instrument :
BNA_F
ClientSampled :

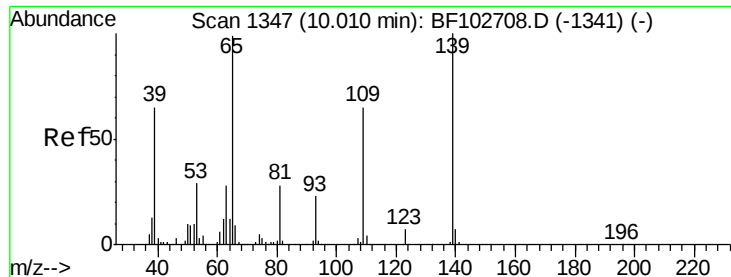
Tot Ion:184 Resp: 227
Ion Ratio Lower Upper
184 100
63 1076.0 54.2 81.2#
154 1239.9 184.0 276.0#



#54
Dibenzofuran
Concen: 9.62 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

Tgt Ion:168 Resp: 254746
Ion Ratio Lower Upper
168 100
139 39.4 30.1 45.1
169 16.0 10.9 16.3

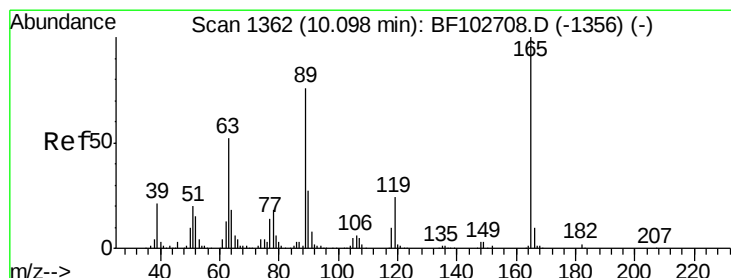
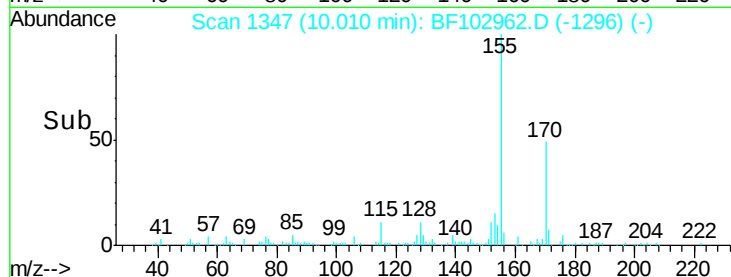
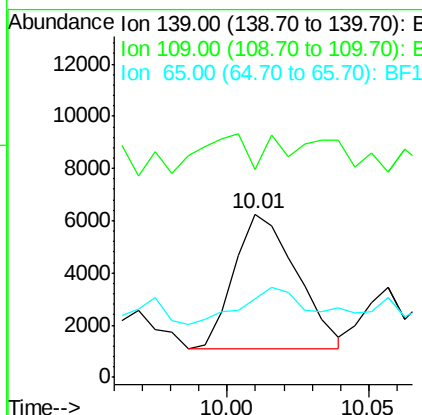
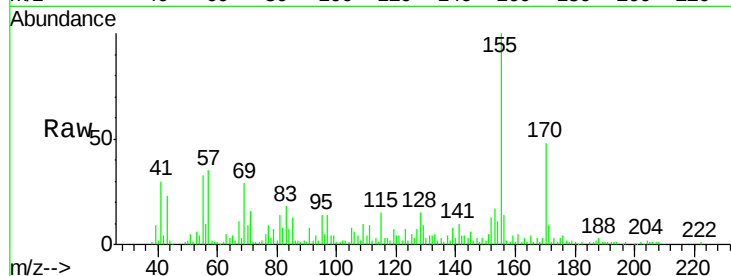




#55
4-Nitrophenol
Concen: 5.68 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

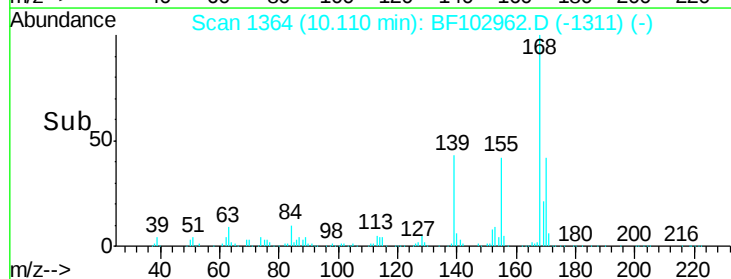
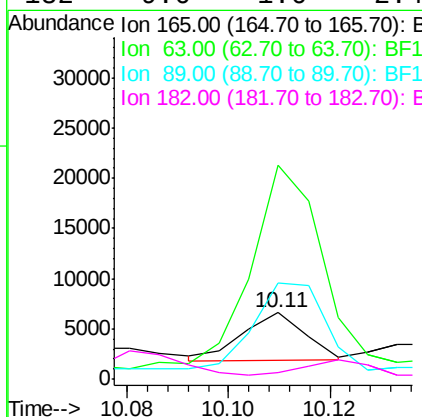
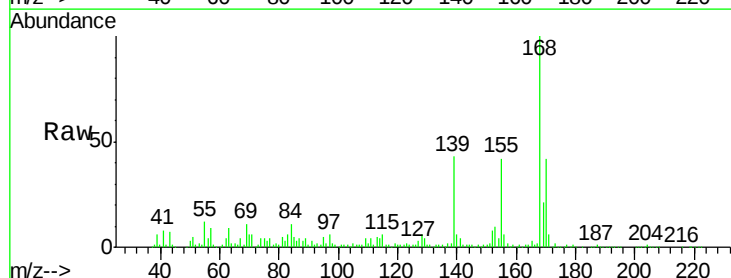
Instrument :
BNA_F
ClientSampleId :

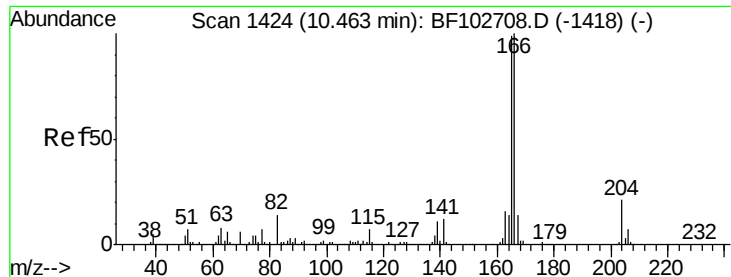
Tot Ion:139 Resp: 7978
Ion Ratio Lower Upper
139 100
109 127.3 48.4 88.4#
65 48.1 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.71 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF102962.D
Acq: 13 Feb 2018 15:30

Tgt Ion:165 Resp: 4111
Ion Ratio Lower Upper
165 100
63 322.3 36.4 54.6#
89 145.9 57.8 86.6#
182 9.6 1.6 2.4#

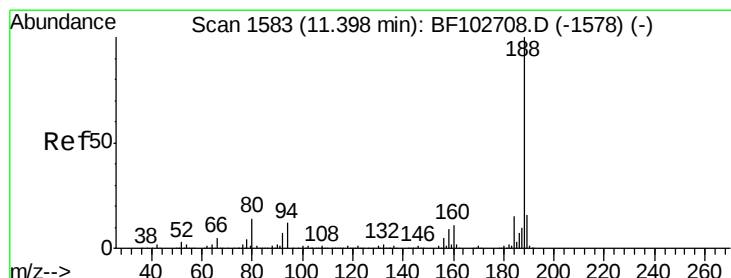
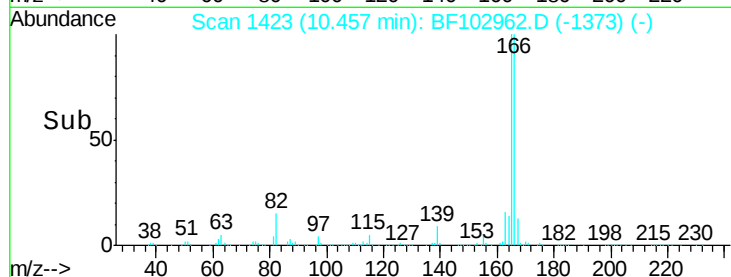
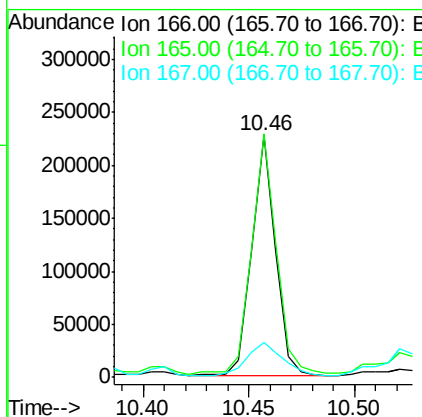
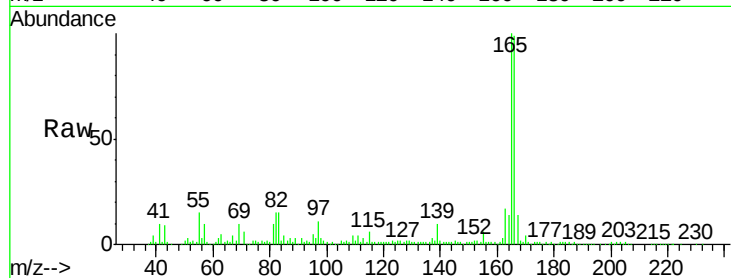




#57
 Fluorene
 Concen: 9.19 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF102962.D
 Acq: 13 Feb 2018 15:30

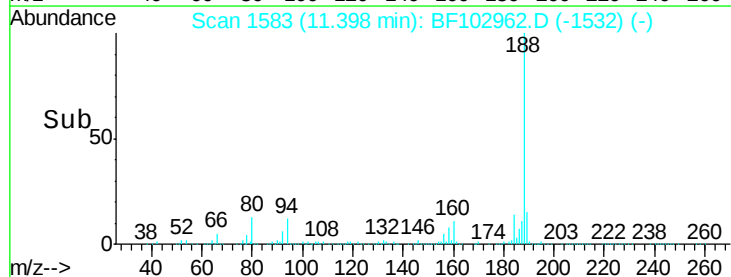
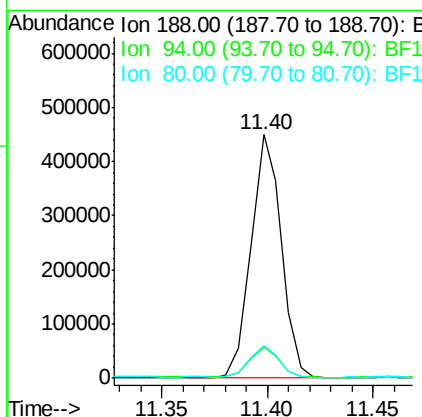
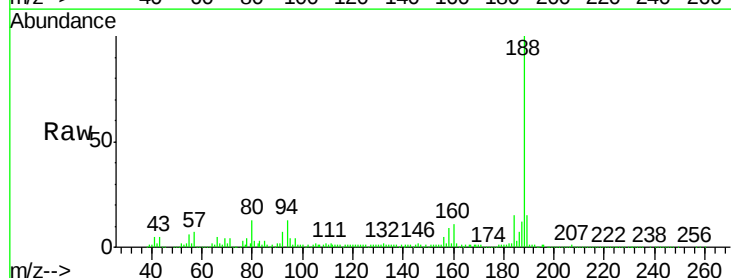
Instrument :
 BNA_F
 ClientSampleId :

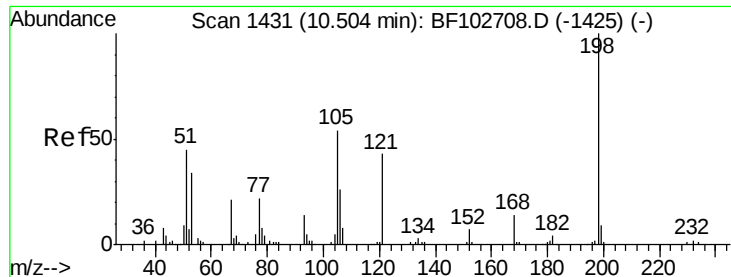
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.8	119.8
167	14.5	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF102962.D
 Acq: 13 Feb 2018 15:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	8.5	12.7
80	13.5	9.2	13.8

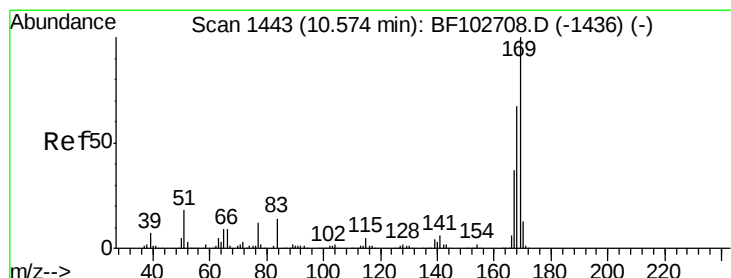
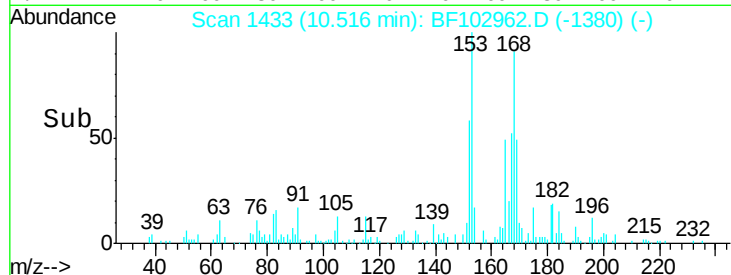
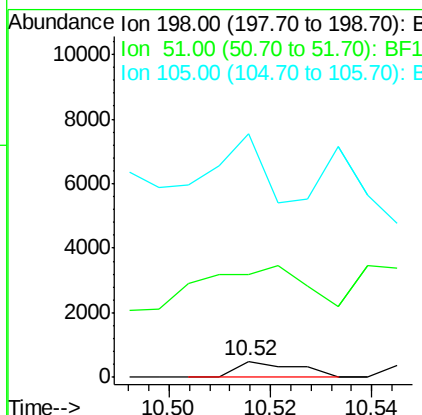
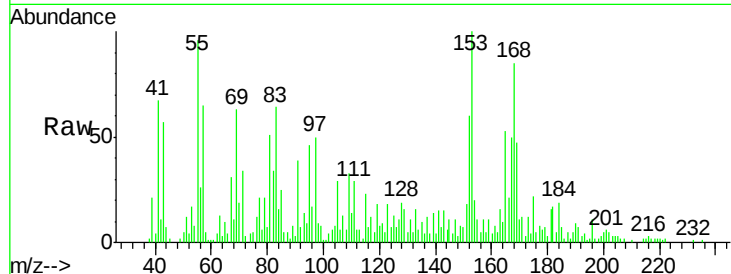




#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.00 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: BF102962.D
 Acq: 13 Feb 2018 15:30

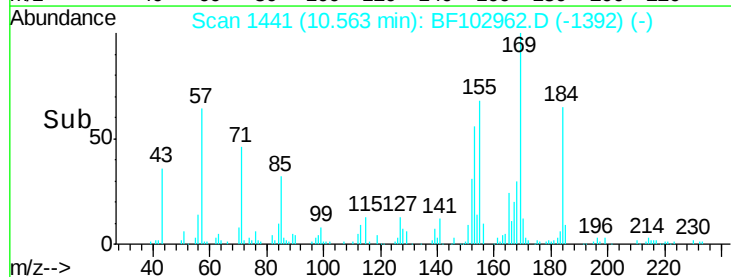
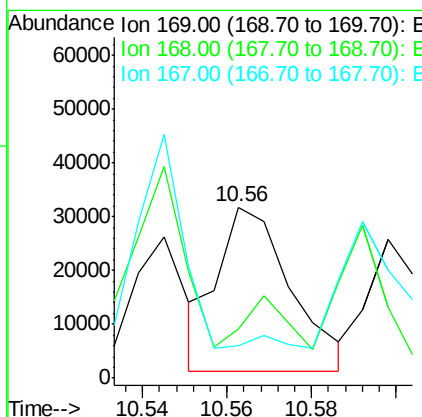
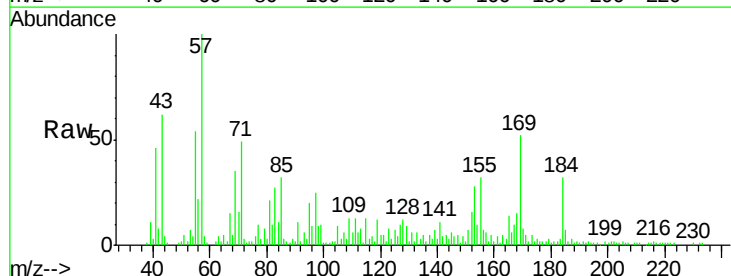
Instrument :
 BNA_F
 ClientSampled :

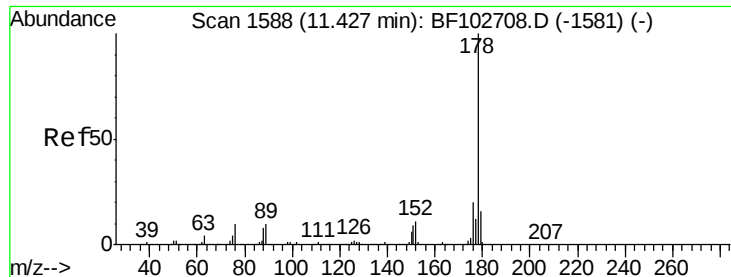
Tot Ion:198 Resp: 408
 Ion Ratio Lower Upper
 198 100
 51 653.5 37.7 77.7#
 105 1539.0 36.3 76.3#



#65
 n-Nitrosodiphenylamine
 Concen: 2.32 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF102962.D
 Acq: 13 Feb 2018 15:30

Tgt Ion:169 Resp: 36436
 Ion Ratio Lower Upper
 169 100
 168 28.4 54.4 81.6#
 167 18.9 29.8 44.6#





#70

Phenanthrene

Concen: 70.34 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

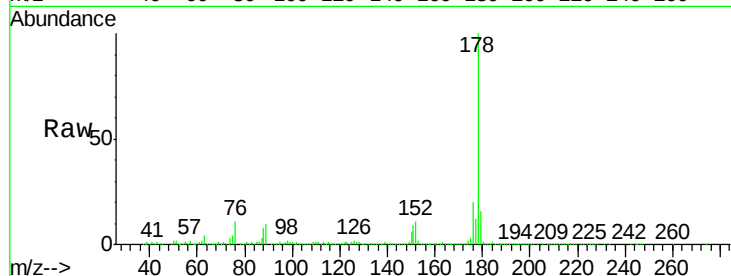
Tot Ion:178 Resp: 1744579

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

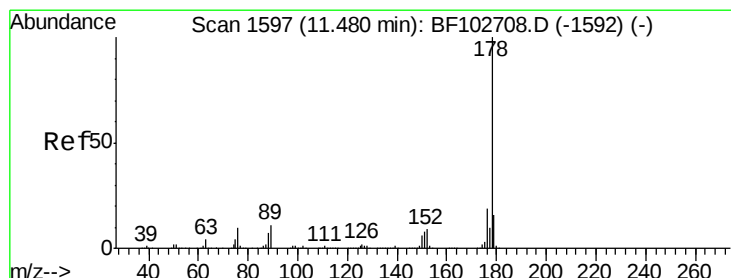
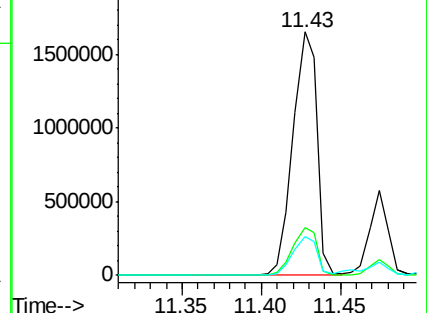
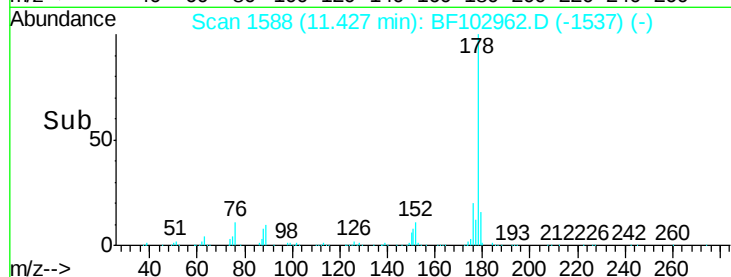
179 15.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 17.88 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

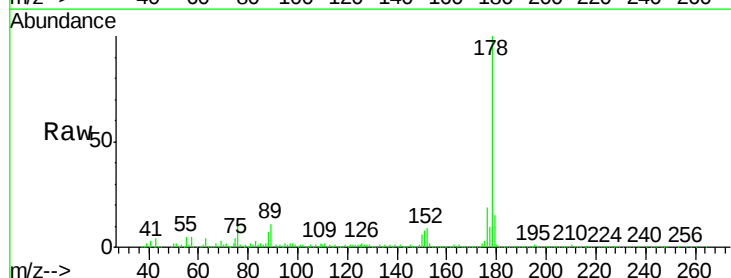
Tgt Ion:178 Resp: 451064

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

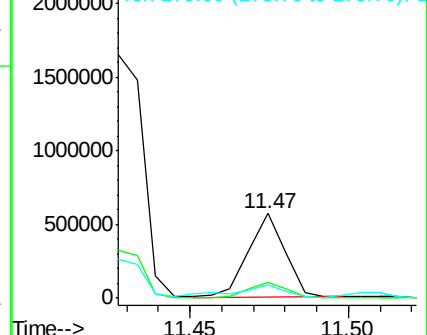
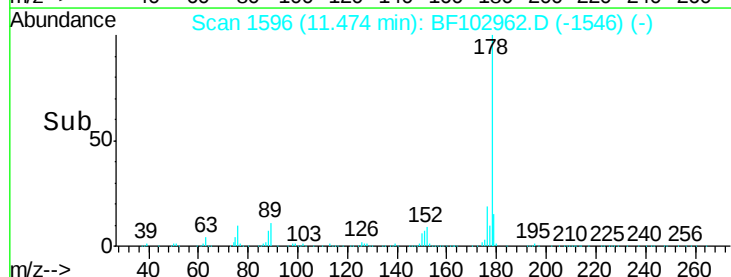
179 15.1 12.6 19.0

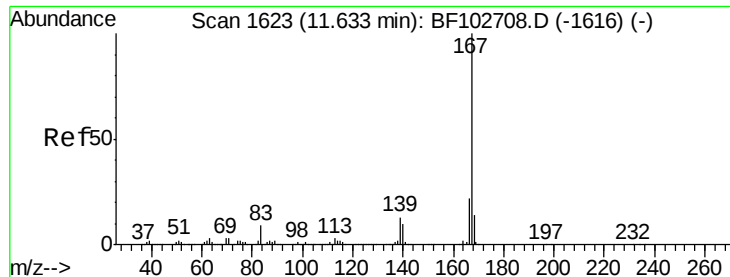


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.74 ng

RT: 11.63 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

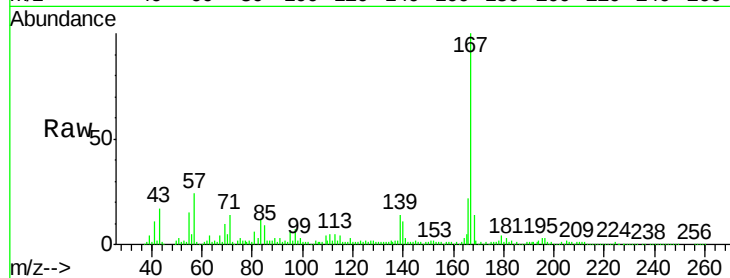
Tot Ion:167 Resp: 191298

Ion Ratio Lower Upper

167 100

166 22.3 17.6 26.4

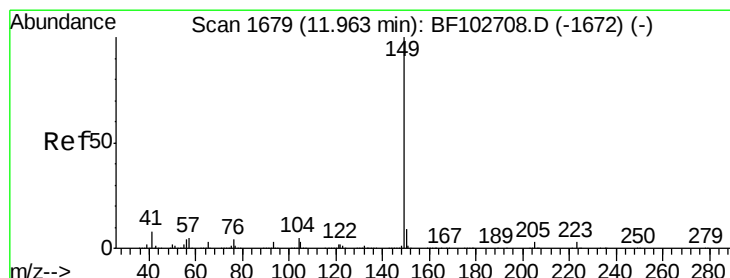
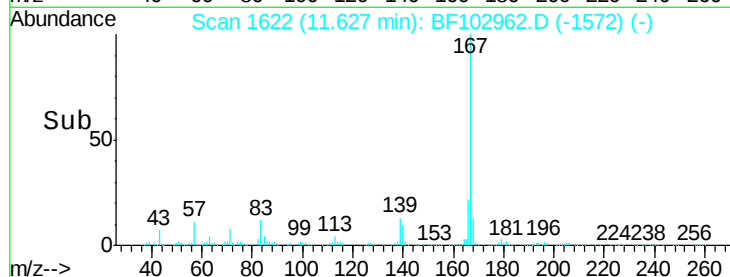
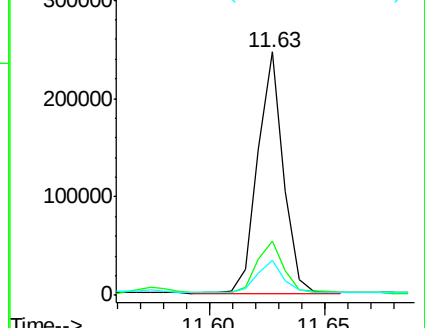
139 14.2 10.9 16.3



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



#73

Di-n-butylphthalate

Concen: 2.85 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

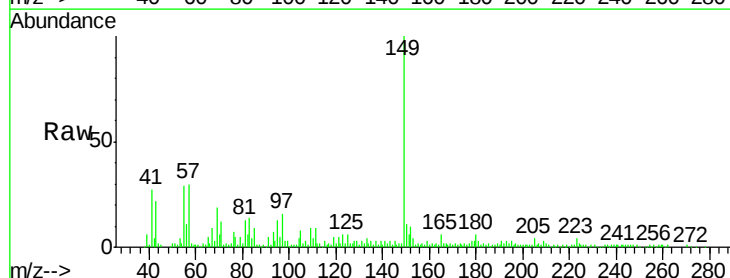
Tgt Ion:149 Resp: 85588

Ion Ratio Lower Upper

149 100

150 10.6 7.8 11.6

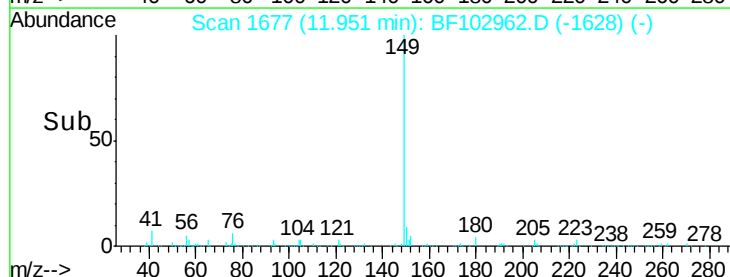
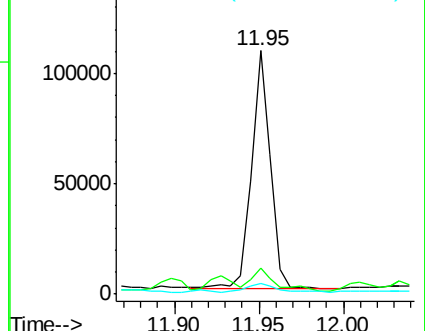
104 4.3 3.8 5.8

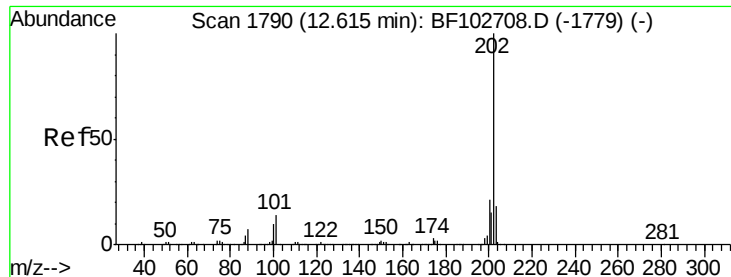


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 44.05 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

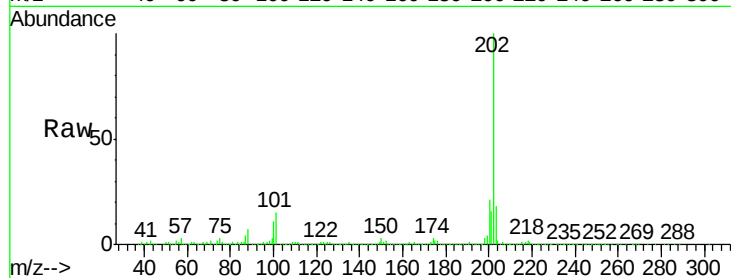
Tot Ion:202 Resp: 1099252

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

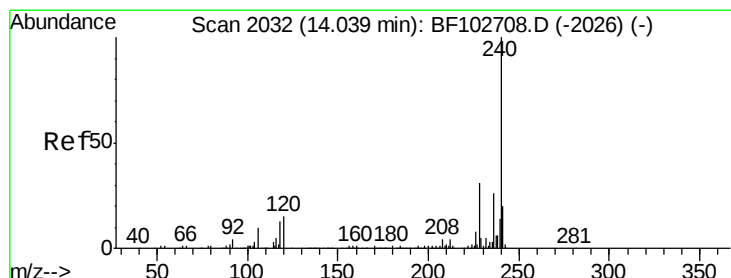
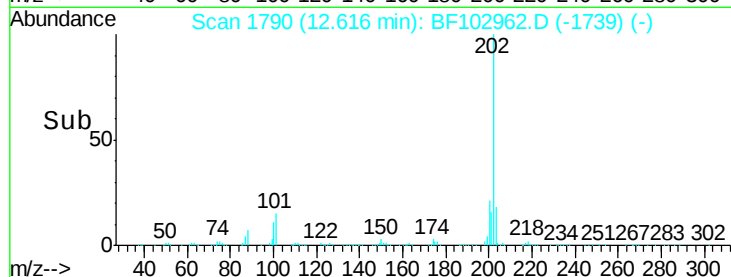
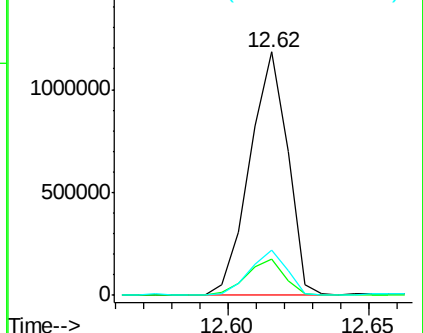
203 18.5 0.0 38.1



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: 20.00 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

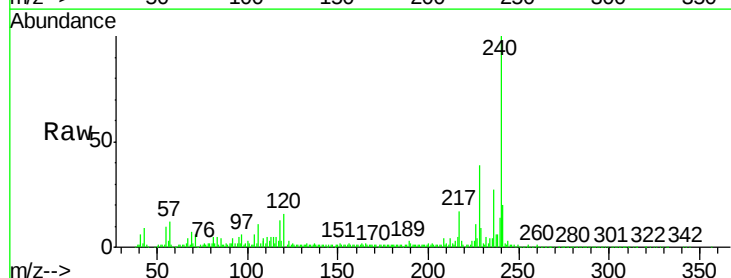
Tgt Ion:240 Resp: 289687

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

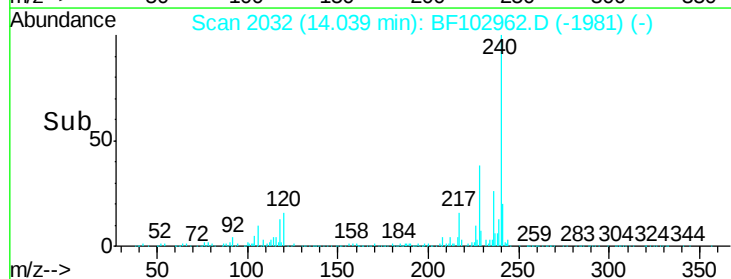
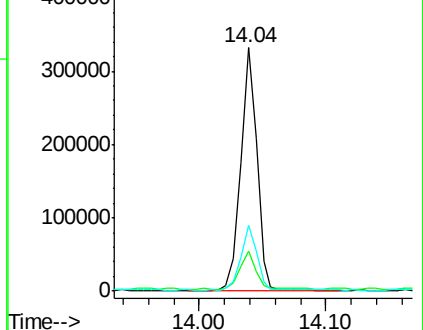
236 26.8 20.7 31.1

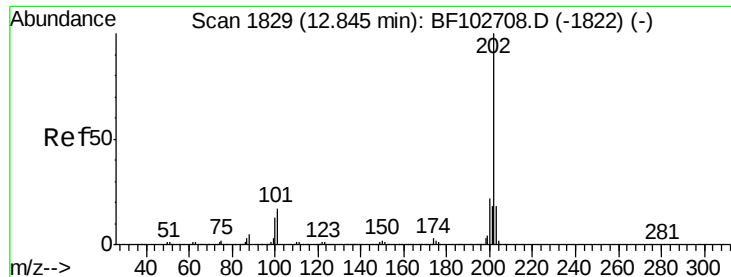


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 49.52 ng

RT: 12.84 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampled :

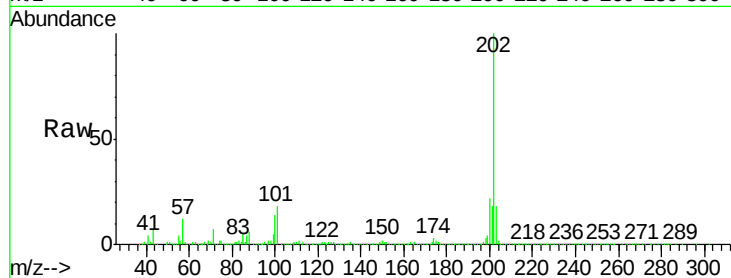
Tot Ion:202 Resp: 1124867

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

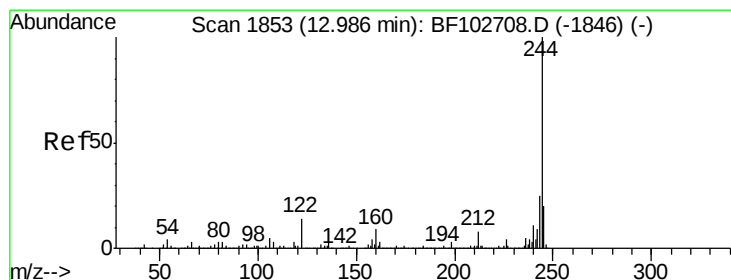
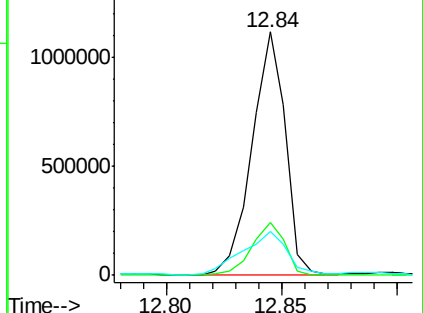
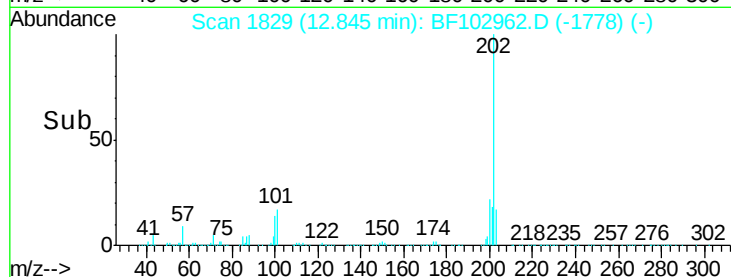
203 18.3 14.3 21.5



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: 44.10 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

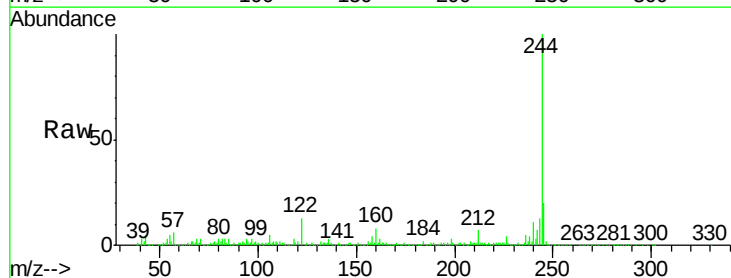
Tgt Ion:244 Resp: 539553

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

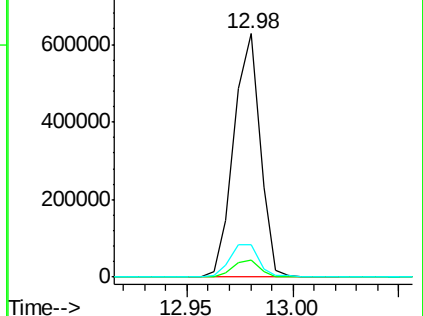
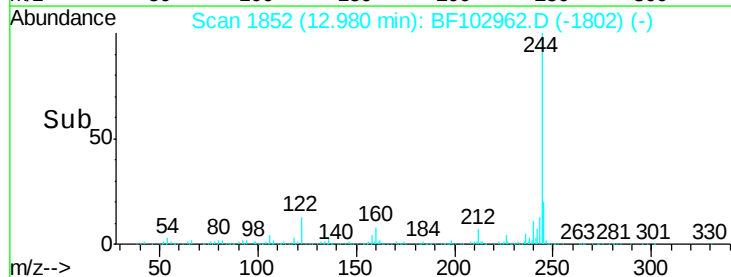
122 13.2 11.0 16.4

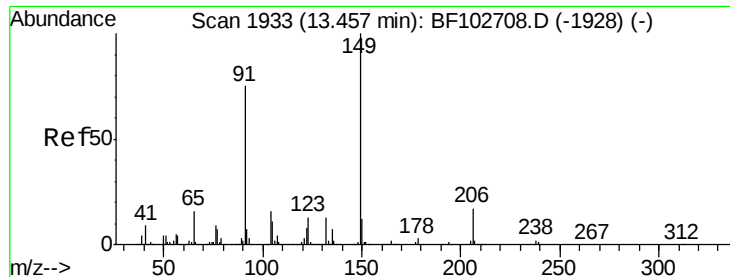


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 2.39 ng

RT: 13.45 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

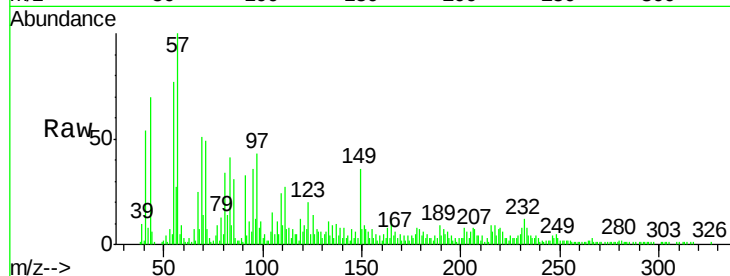
Tot Ion:149 Resp: 15194

Ion Ratio Lower Upper

149 100

91 90.9 56.8 85.2#

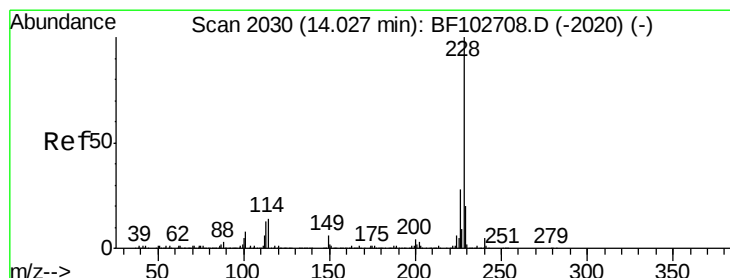
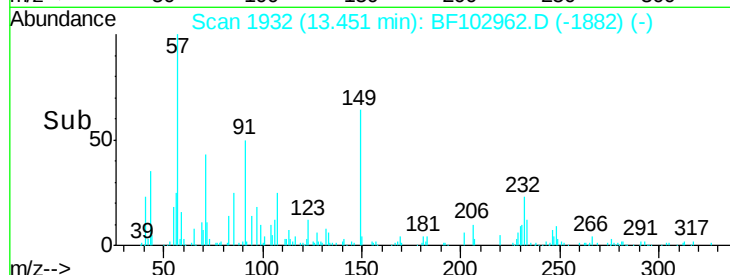
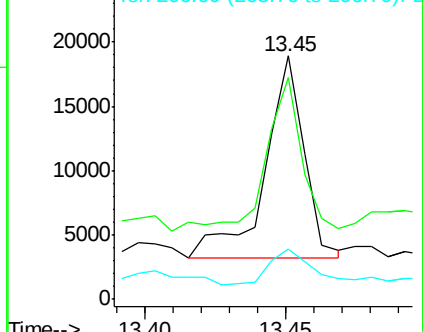
206 20.8 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 28.23 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

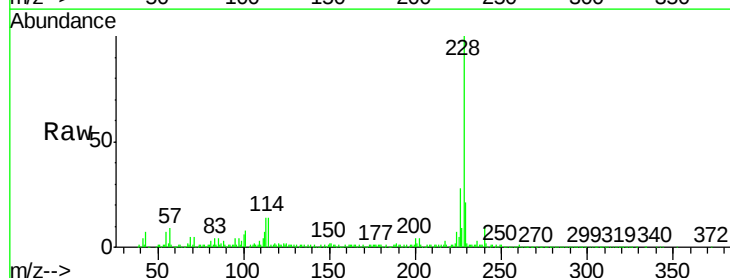
Tgt Ion:228 Resp: 514302

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

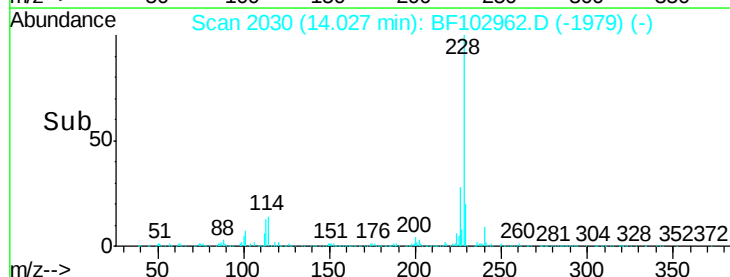
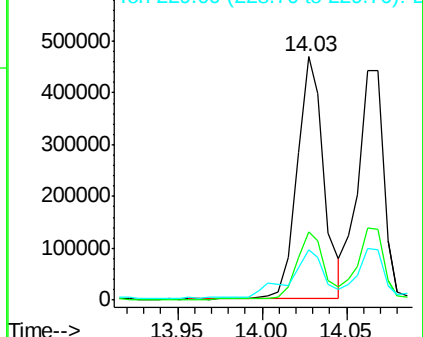
229 20.7 15.8 23.6

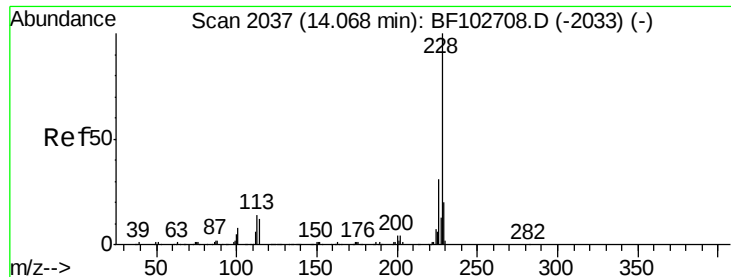


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 25.84 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

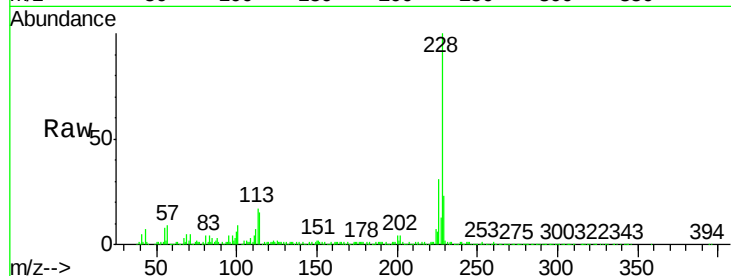
Tot Ion:228 Resp: 474550

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

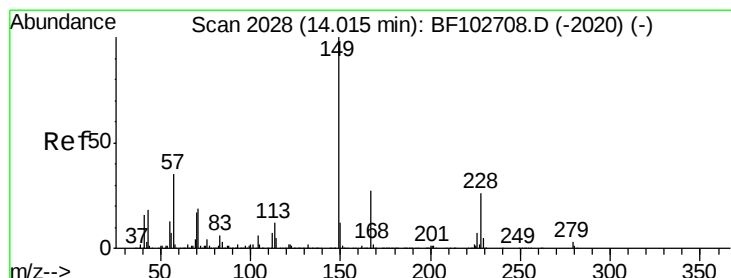
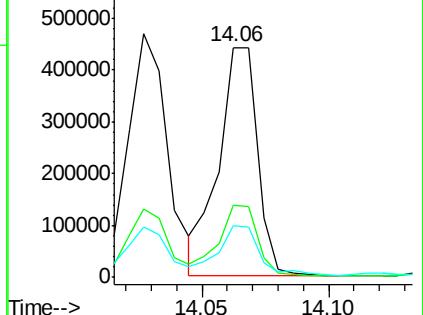
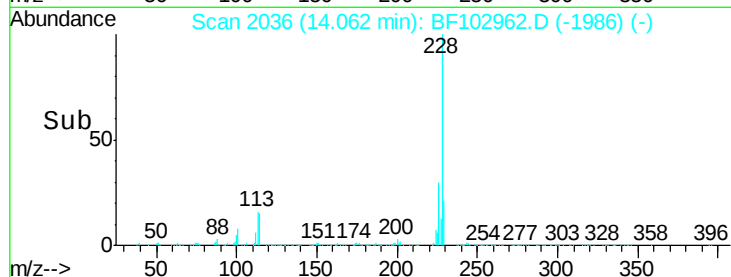
229 22.7 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.44 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

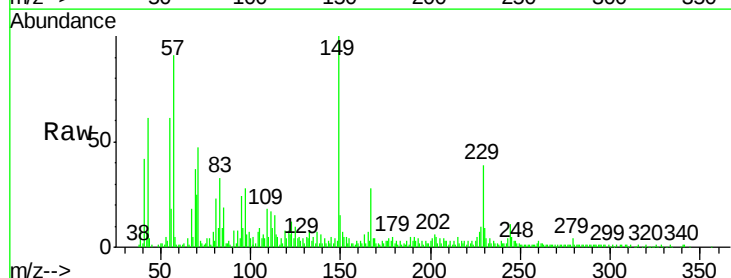
Tgt Ion:149 Resp: 75707

Ion Ratio Lower Upper

149 100

167 27.6 21.3 31.9

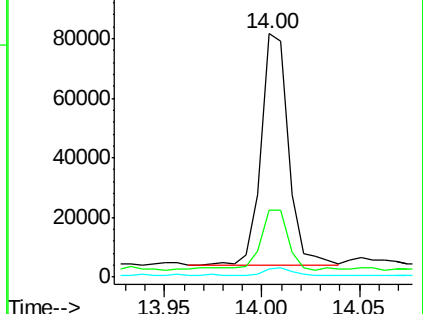
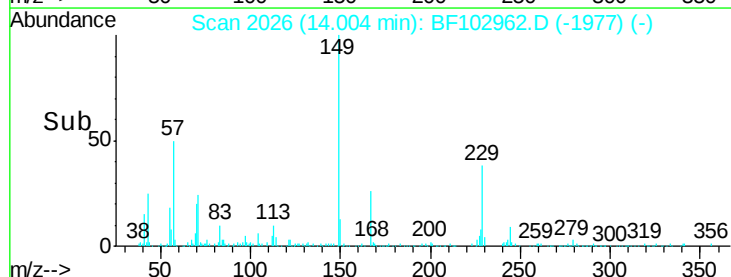
279 3.5 3.0 4.4

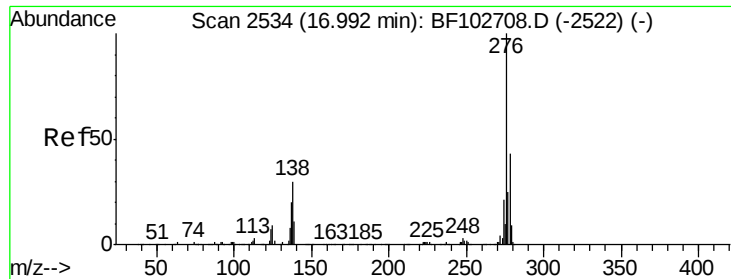


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 13.10 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

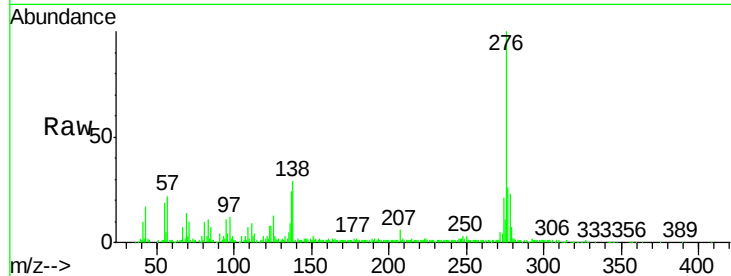
Tot Ion:276 Resp: 199493

Ion Ratio Lower Upper

276 100

138 27.6 25.0 37.6

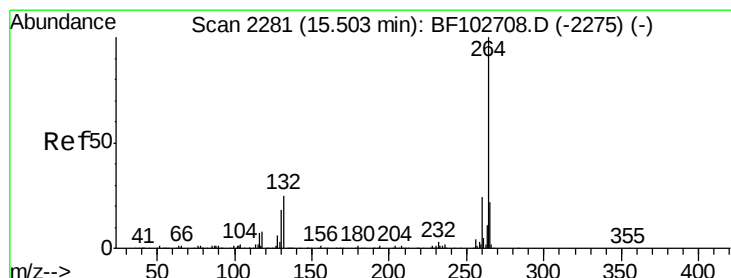
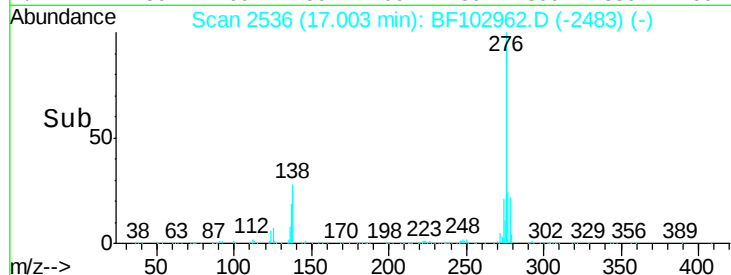
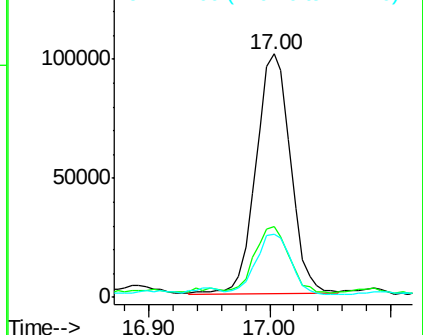
277 25.0 20.1 30.1



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

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

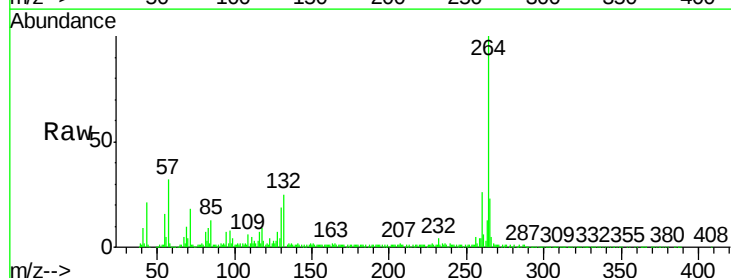
Tgt Ion:264 Resp: 307443

Ion Ratio Lower Upper

264 100

260 25.5 19.2 28.8

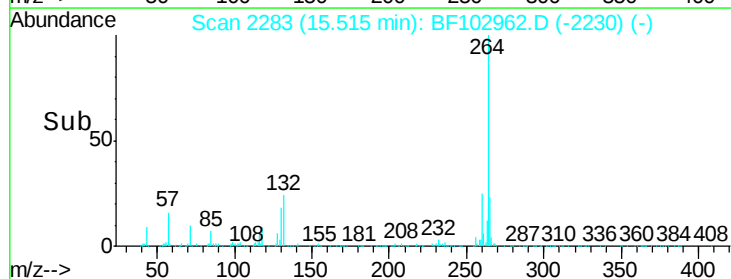
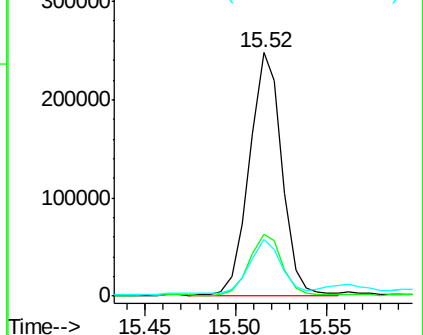
265 23.3 17.5 26.3

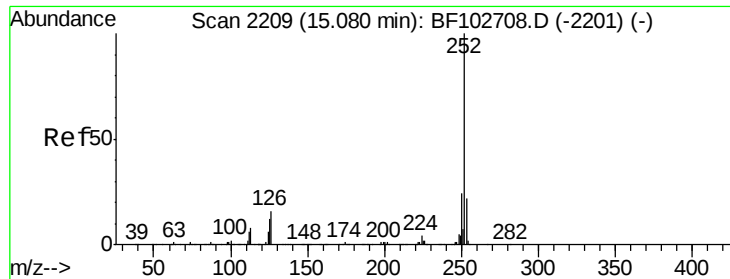


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 32.54 ng

RT: 15.09 min Scan# 2210

Delta R.T. 0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

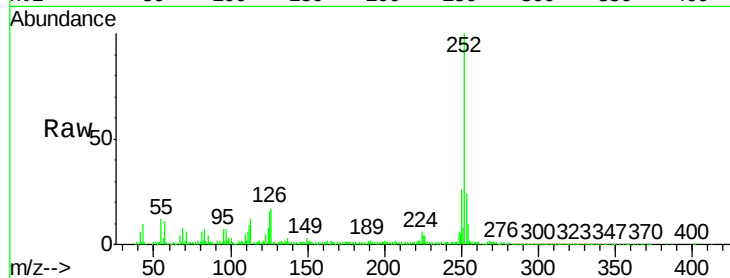
Tot Ion:252 Resp: 648558

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

125 16.5 9.0 13.6#

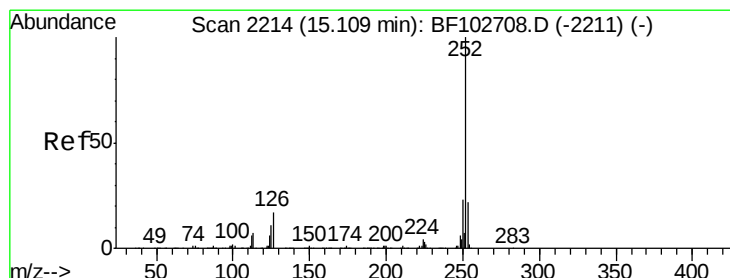
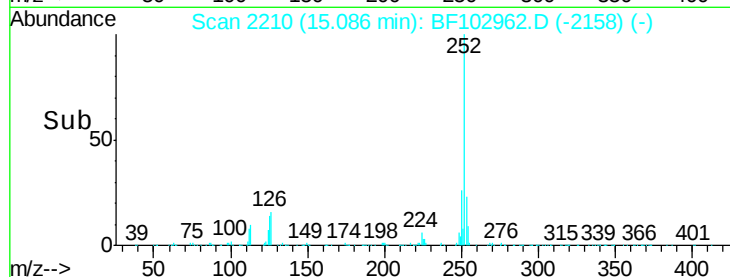


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 15.00 15.10



#88

Benzo(k)fluoranthene

Concen: 34.05 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.02 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

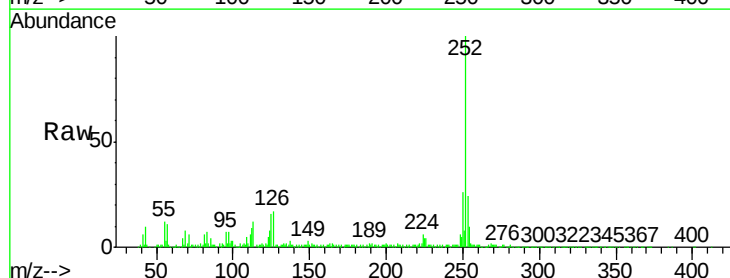
Tgt Ion:252 Resp: 648558

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 16.5 10.2 15.2#

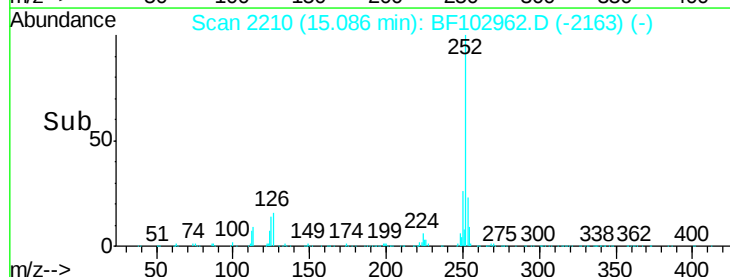


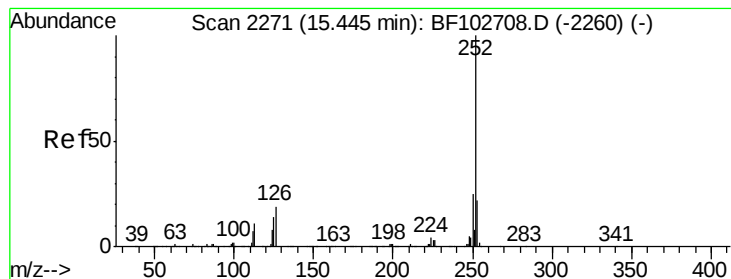
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 15.00 15.10





#89

Benzo(a)pyrene

Concen: 21.17 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

Instrument :

BNA_F

ClientSampleId :

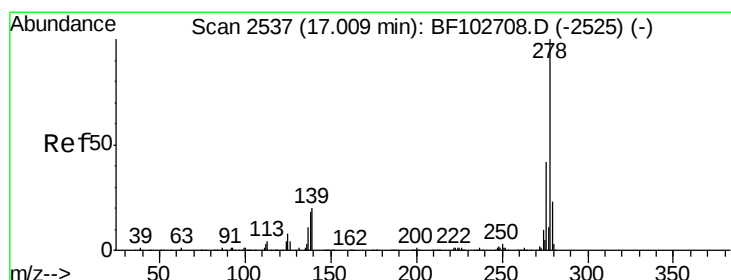
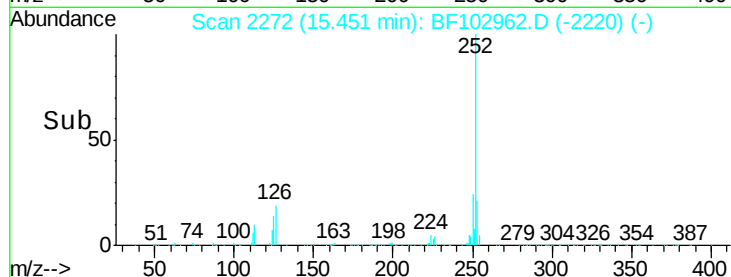
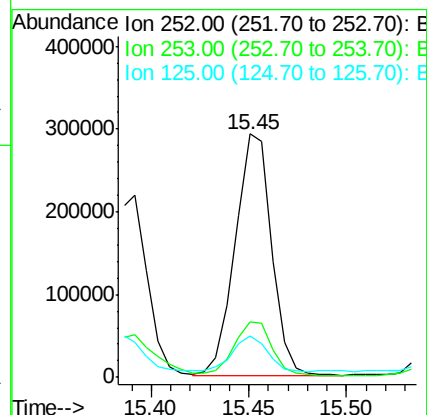
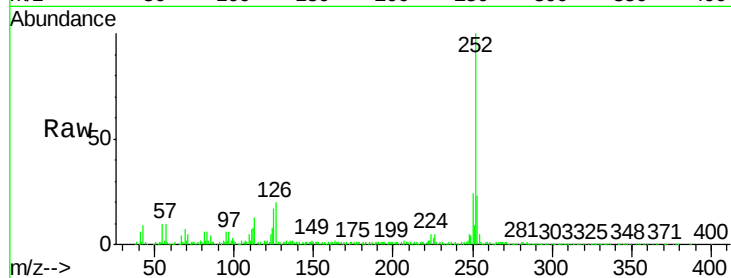
Tot Ion:252 Resp: 379831

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 17.1 9.8 14.6#



#90

Dibenzo(a,h)anthracene

Concen: 3.72 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.00 min

Lab File: BF102962.D

Acq: 13 Feb 2018 15:30

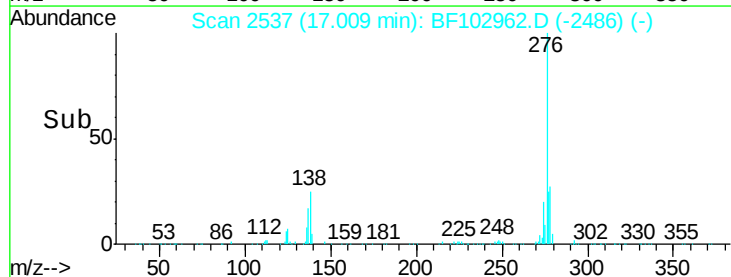
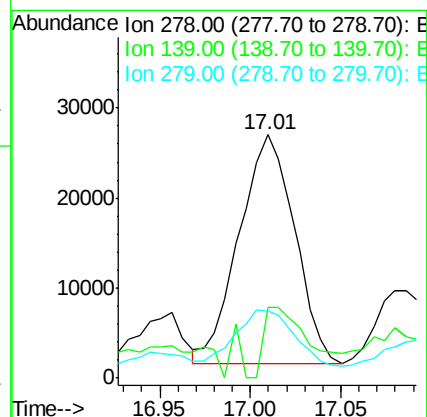
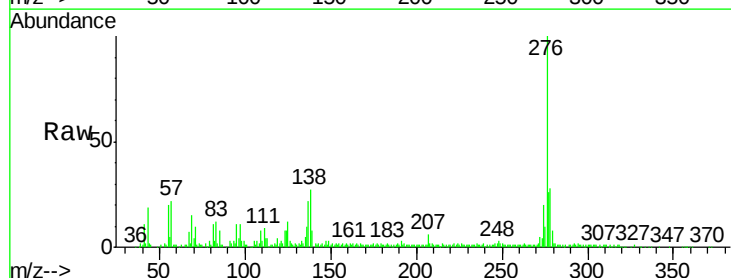
Tgt Ion:278 Resp: 54120

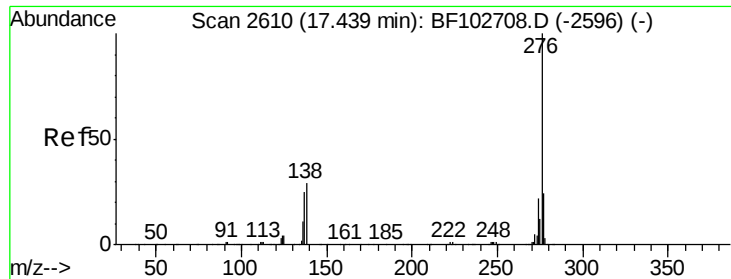
Ion Ratio Lower Upper

278 100

139 29.0 15.9 23.9#

279 27.7 19.0 28.4

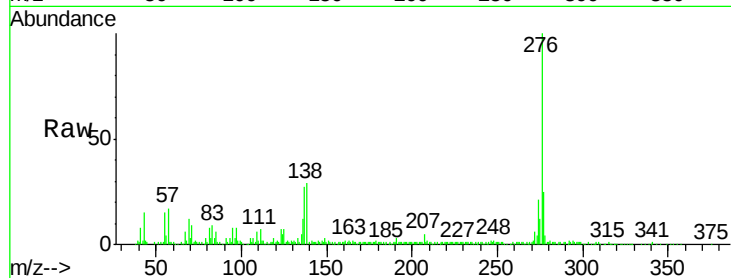




#91
 Benzo(a,h,i)perylene
 Concen: 15.06 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. 0.02 min
 Lab File: BF102962.D
 Acq: 13 Feb 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	29.4	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

