

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102998.D
 Acq On : 14 Feb 2018 19:13
 Operator : SJ/JU
 Sample : J1539-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 00:08:06 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	151222	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	520748	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	190821	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	257030	20.00	ng	0.02
75) Chrysene-d12	14.12	240	53633	20.00	ng	0.08
86) Perylene-d12	15.65	264	94159	20.00	ng	0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1001627	100.59	ng	0.01
7) Phenol-d6	6.51	99	1156173	96.43	ng	0.01
23) Nitrobenzene-d5	7.44	82	671772	89.49	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	160254	104.34	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	894034	77.74	ng	0.00
78) Terphenyl-d14	13.03	244	276472	122.06	ng	0.04

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	20510	2.30	ng	83
10) Phenol	6.52	94	42276	3.29	ng	# 67
22) Acetophenone	7.27	105	37507	2.94	ng	# 62
25) Isophorone	7.69	82	37848	2.19	ng	# 1
26) 2-Nitrophenol	7.77	139	7092	10.27	ng	# 1
31) Naphthalene	8.18	128	255435	10.04	ng	# 94
32) Benzoic acid	7.92	122	15254	11.37	ng	# 1
35) Caprolactam	8.62	113	8727	3.79	ng	# 1
37) 2-Methylnaphthalene	8.87	142	407278	24.45	ng	97
45) 1,1'-Biphenyl	9.33	154	70871	4.41	ng	97
47) 2-Nitroaniline	9.63	65	4984	4.66	ng	90
49) Dimethylphthalate	9.63	163	65530	4.40	ng	# 78
51) Acenaphthene	9.95	154	86599	7.37	ng	97
53) 2,4-Dinitrophenol	9.97	184	280	8.49	ng	# 1
54) Dibenzofuran	10.13	168	87057	5.26	ng	# 51
55) 4-Nitrophenol	10.02	139	30456	14.13	ng	# 48
56) 2,4-Dinitrotoluene	10.12	165	19735	7.94	ng	# 45
57) Fluorene	10.47	166	110781	9.19	ng	# 96
61) 4-Nitroaniline	10.38	138	15794	4.76	ng	87
64) 4,6-Dinitro-2-methylphenol	10.53	198	1986	10.50	ng	# 1
65) n-Nitrosodiphenylamine	10.58	169	151571	16.72	ng	# 47
70) Phenanthrene	11.44	178	741317	51.79	ng	99
71) Anthracene	11.49	178	167686	11.52	ng	96
72) Carbazole	11.65	167	60005	4.21	ng	# 49
74) Fluoranthene	12.66	202	452383	31.41	ng	96
76) Benzidine	12.79	184	8604	3.49	ng	# 1
77) Pyrene	12.89	202	413521	98.32	ng	98
79) Butylbenzylphthalate	13.56	149	10753	6.26	ng	# 13
80) Benzo(a)anthracene	14.11	228	104802	31.07	ng	# 87
82) Chrysene	14.15	228	96846	28.48	ng	# 88
84) Di-n-octyl phthalate	14.73	149	18993	4.91	ng	# 70
85) Indeno(1,2,3-cd)pyrene	17.16	276	206665	73.28	ng	96
87) Benzo(b)fluoranthene	15.20	252	220580	36.13	ng	# 25
88) Benzo(k)fluoranthene	15.20	252	220580	37.82	ng	# 28

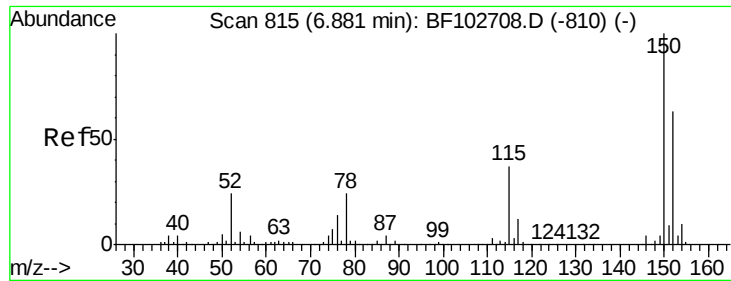
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102998.D
Acq On : 14 Feb 2018 19:13
Operator : SJ/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 00:38:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	15.59	252	171725	31.25	ng	# 41
90) Dibenzo(a,h)anthracene	17.16	278	50577	11.34	ng	# 37
91) Benzo(g,h,i)perylene	17.61	276	226081	51.79	ng	93

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

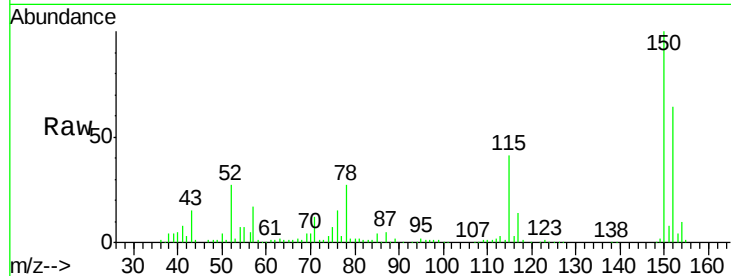


#1

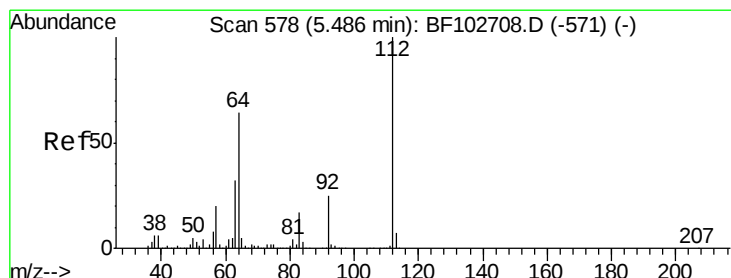
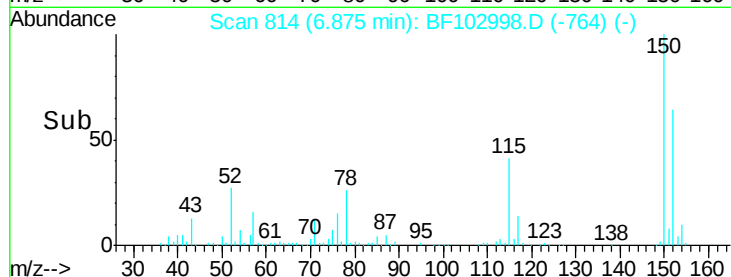
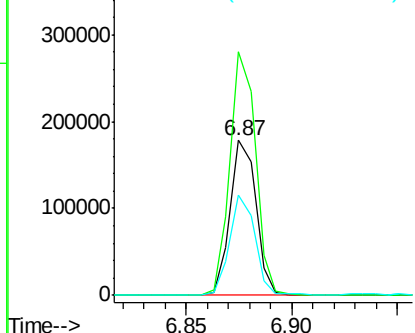
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151222
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 64.6 50.1 75.1



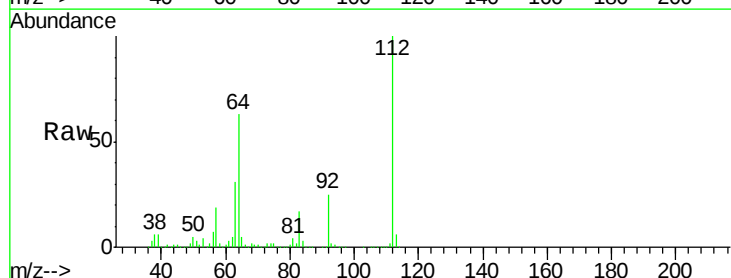
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



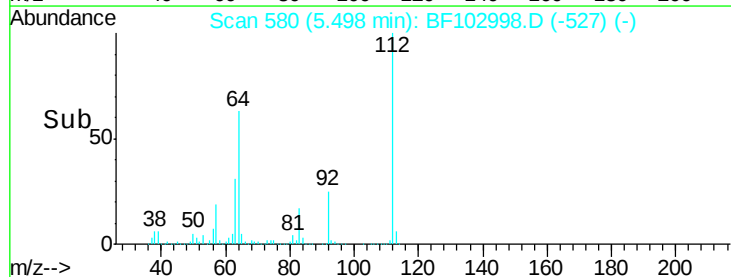
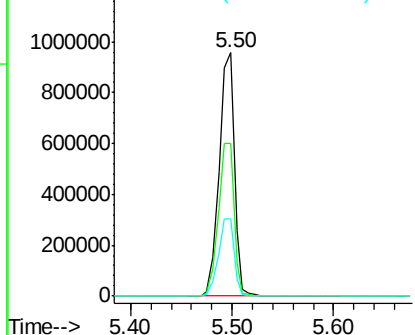
#5

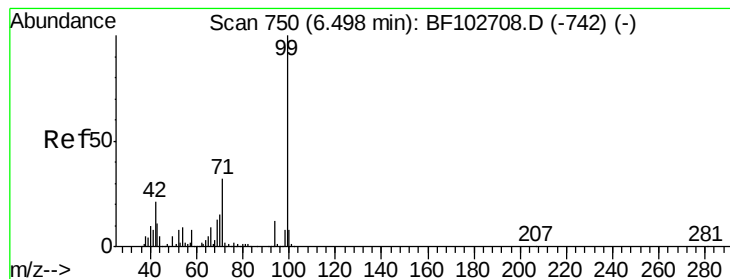
2-Fluorophenol
Concen: 100.59 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion:112 Resp: 1001627
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 31.5 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: 96.43 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampled :

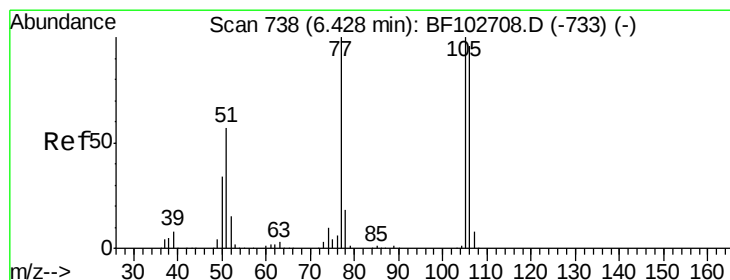
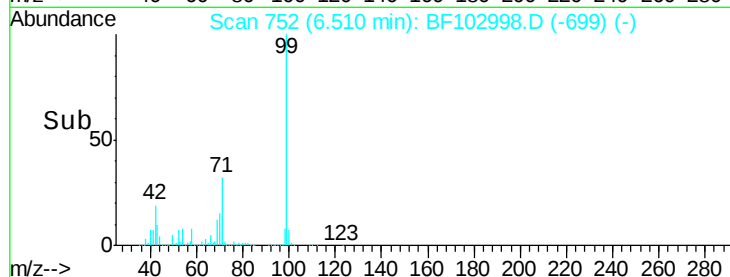
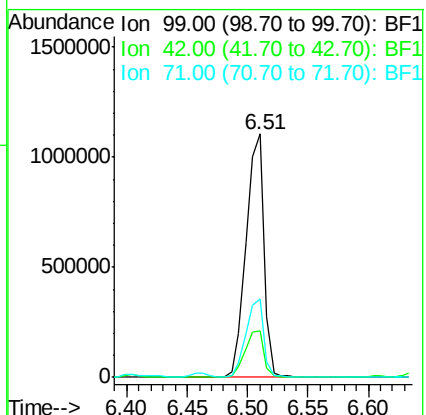
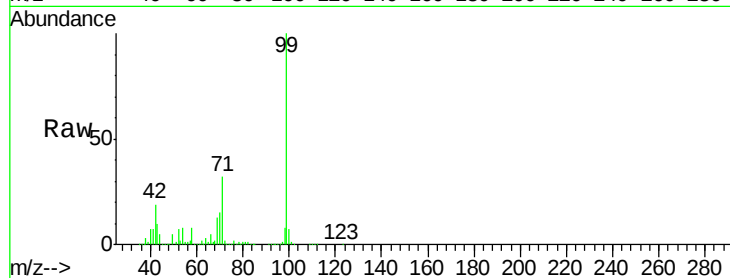
Tot Ion: 99 Resp: 1156173

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 32.1 25.4 38.0



#9

Benzaldehyde

Concen: 2.30 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.22 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

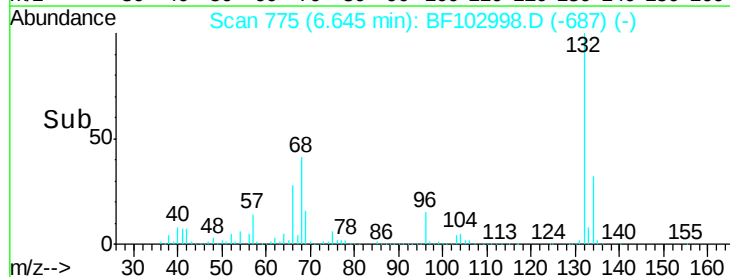
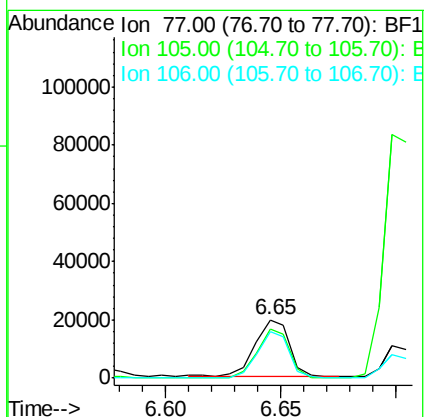
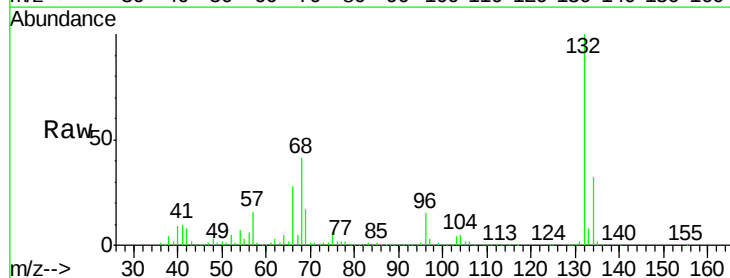
Tgt Ion: 77 Resp: 20510

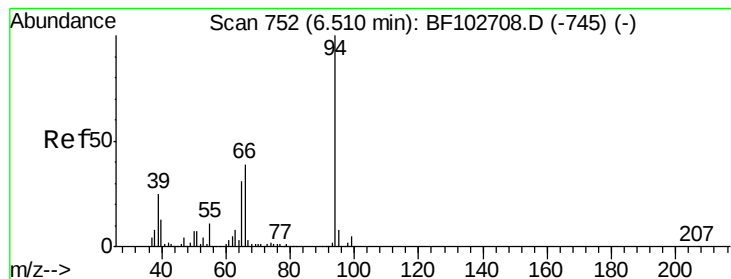
Ion Ratio Lower Upper

77 100

105 84.0 81.1 121.1

106 78.9 74.5 114.5





#10

Phenol

Concen: 3.29 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampled :

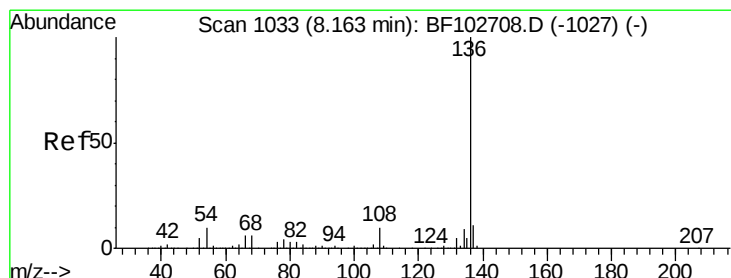
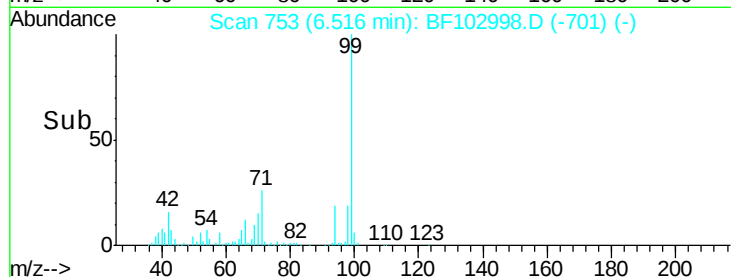
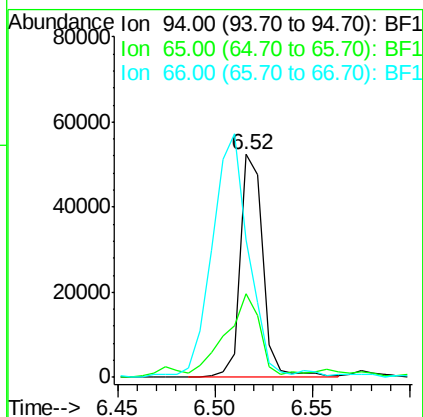
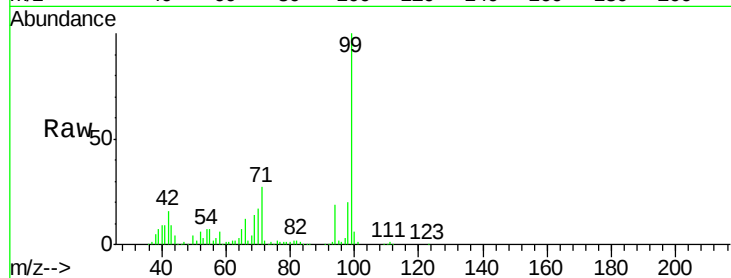
Tot Ion: 94 Resp: 42276

Ion Ratio Lower Upper

94 100

65 37.6 7.9 47.9

66 61.8 16.2 56.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion: 136 Resp: 520748

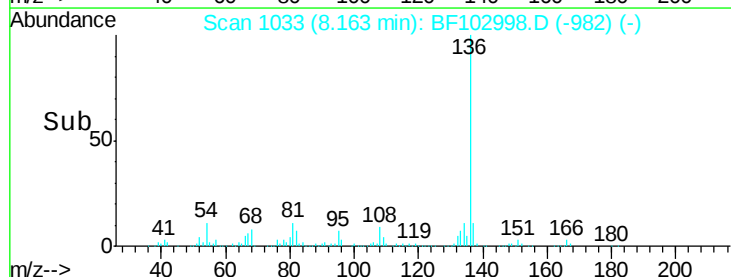
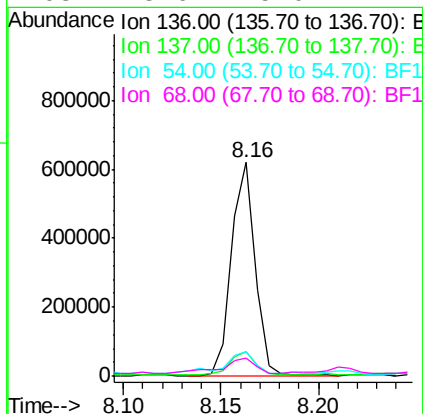
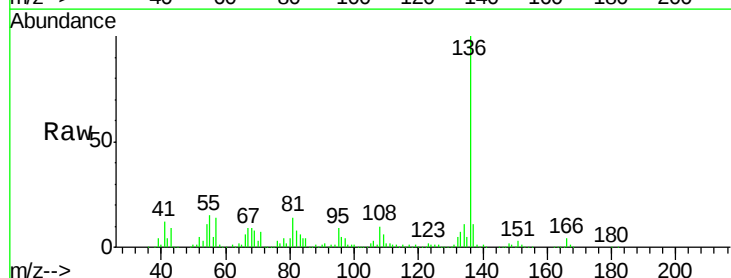
Ion Ratio Lower Upper

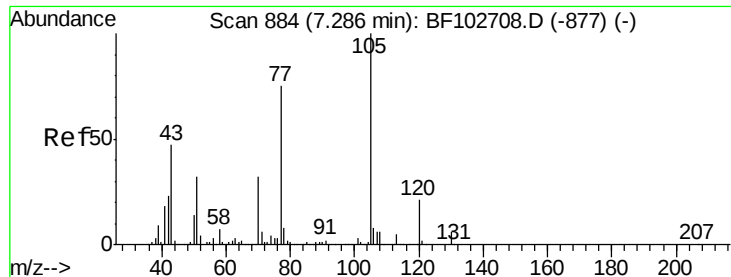
136 100

137 11.3 8.9 13.3

54 11.4 6.6 9.8#

68 8.6 5.0 7.4#

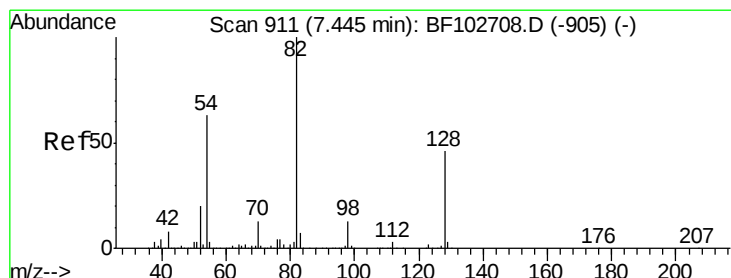
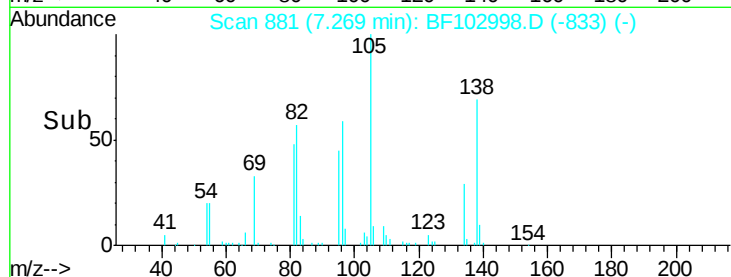
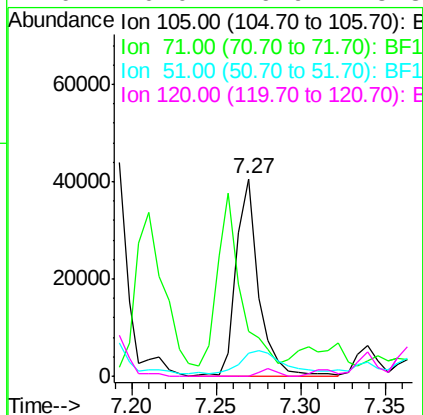
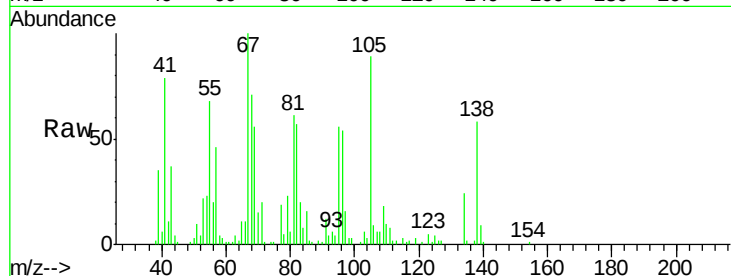




#22
Acetophenone
Concen: 2.94 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

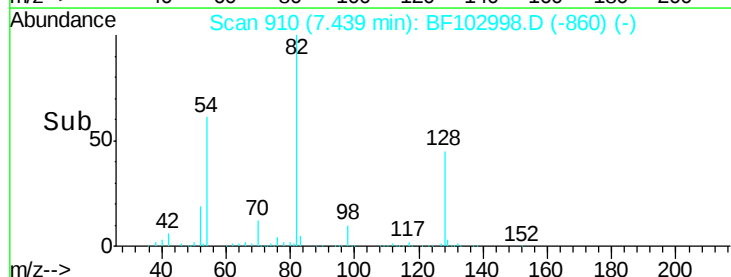
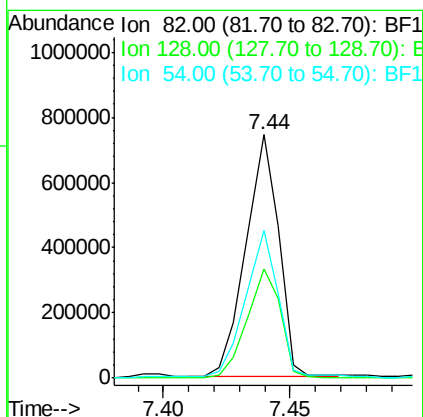
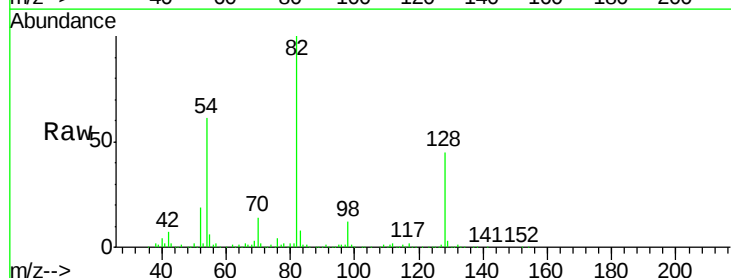
Instrument :
BNA_F
ClientSampled :

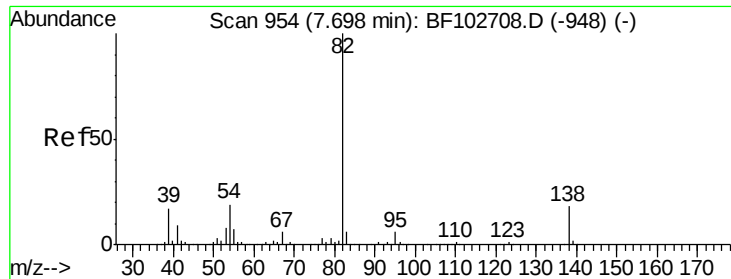
Tot Ion:105 Resp: 37507
Ion Ratio Lower Upper
105 100
71 22.7 4.4 6.6#
51 11.7 22.3 33.5#
120 0.0 16.9 25.3#



#23
Nitrobenzene-d5
Concen: 89.49 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion: 82 Resp: 671772
Ion Ratio Lower Upper
82 100
128 44.9 36.1 54.1
54 60.6 41.4 62.2





#25

Isophorone

Concen: 2.19 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampled :

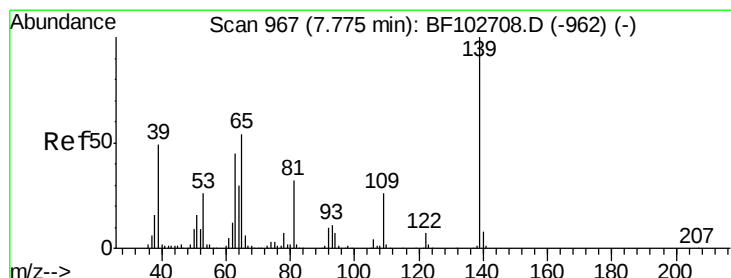
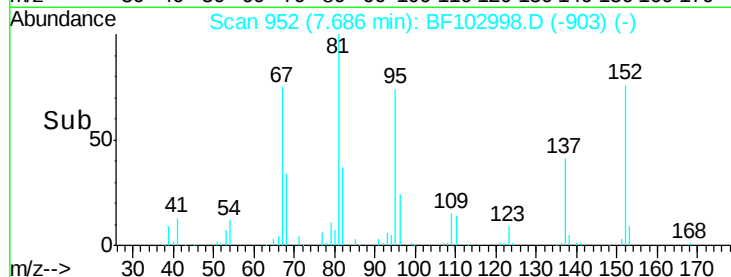
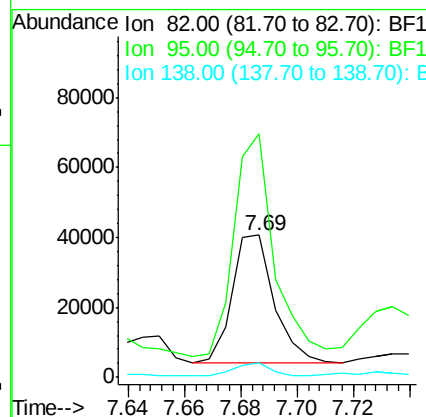
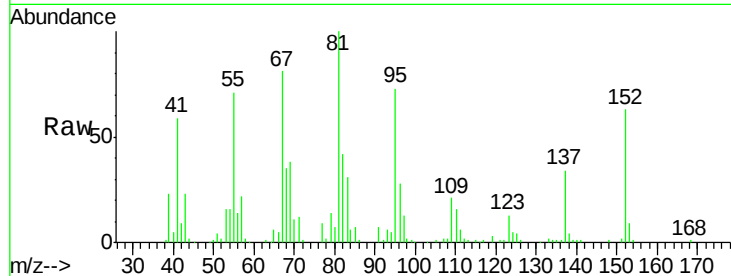
Tot Ion: 82 Resp: 37848

Ion Ratio Lower Upper

82 100

95 171.4 5.2 7.8#

138 9.8 14.9 22.3#



#26

2-Nitrophenol

Concen: 10.27 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.00 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

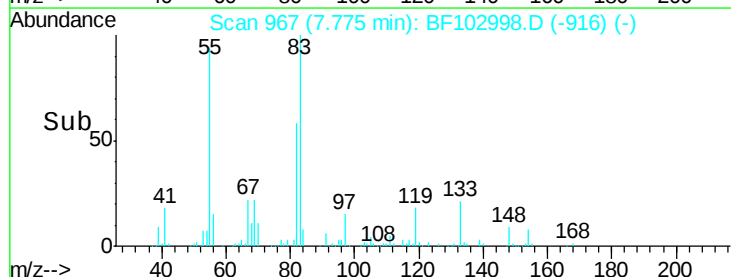
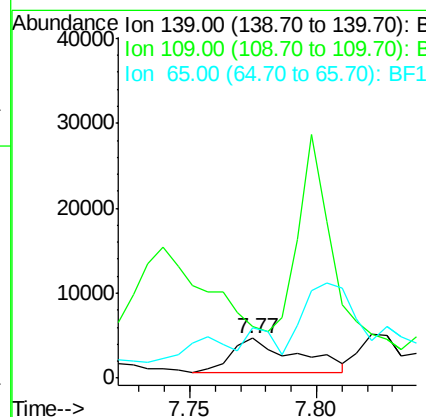
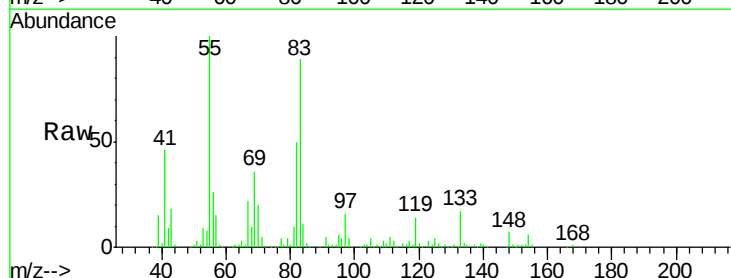
Tgt Ion: 139 Resp: 7092

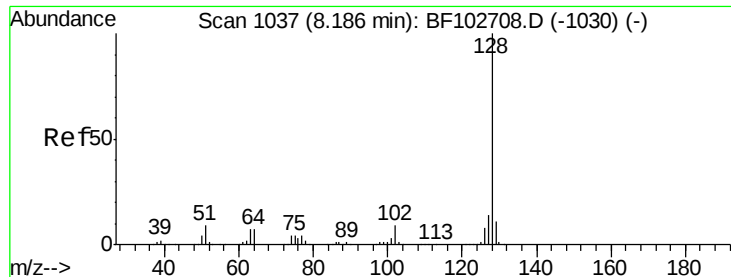
Ion Ratio Lower Upper

139 100

109 130.5 22.7 34.1#

65 126.7 40.5 60.7#

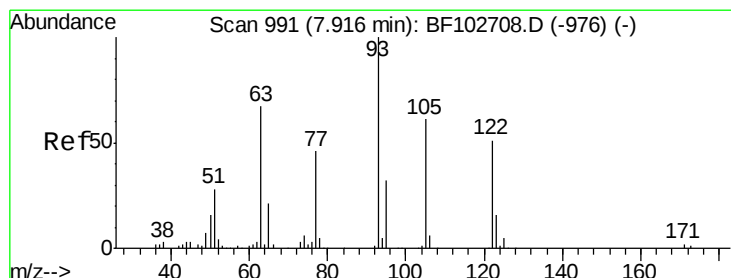
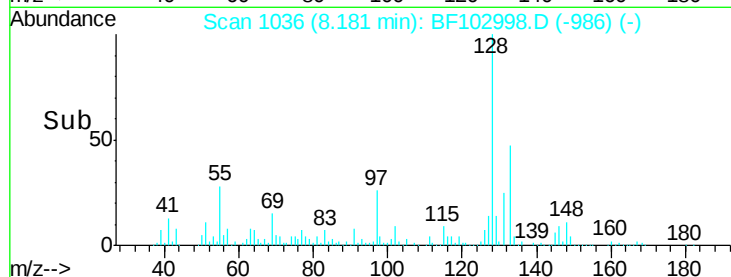
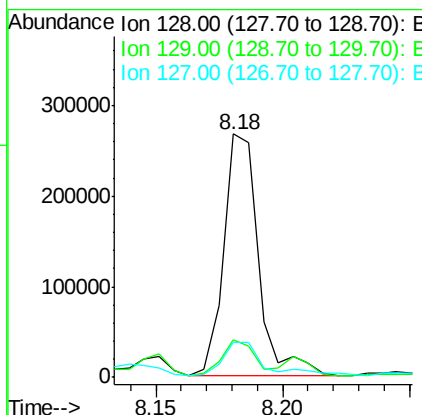
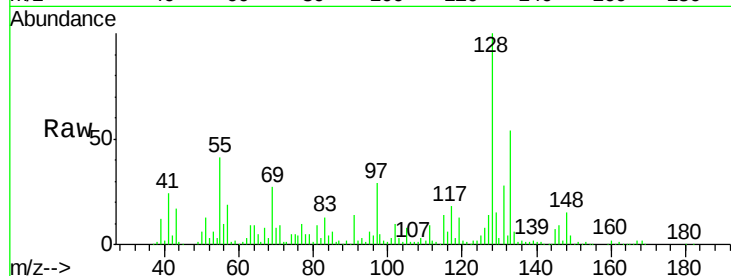




#31
Naphthalene
Concen: 10.04 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

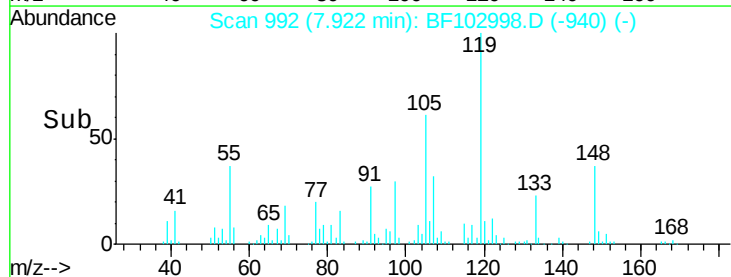
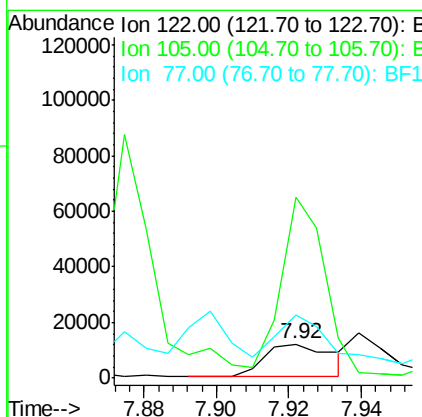
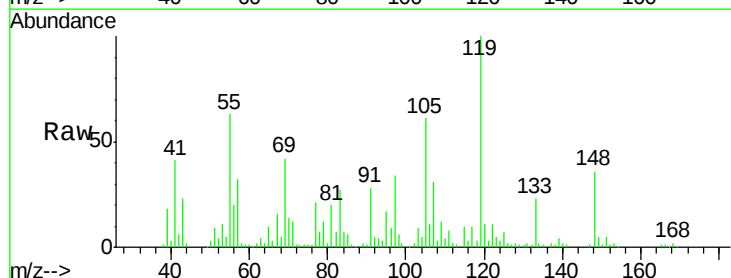
Instrument :
BNA_F
ClientSampleId :

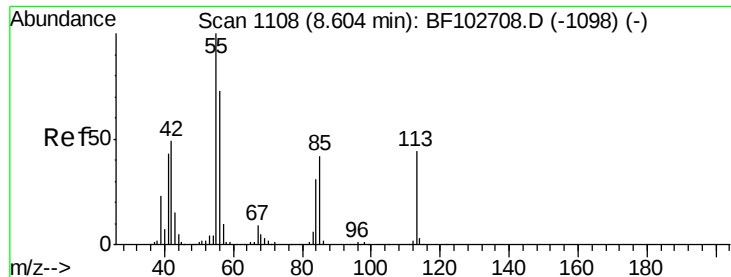
Tot Ion:128 Resp: 255435
Ion Ratio Lower Upper
128 100
129 15.3 8.8 13.2#
127 14.2 10.9 16.3



#32
Benzoic acid
Concen: 11.37 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion:122 Resp: 15254
Ion Ratio Lower Upper
122 100
105 526.5 101.1 141.1#
77 185.5 70.7 110.7#

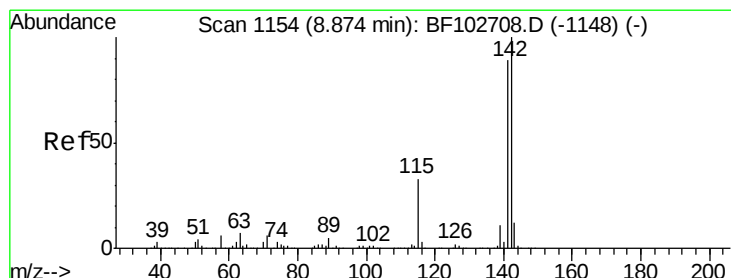
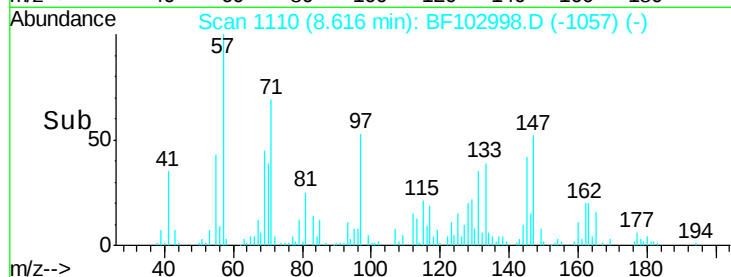
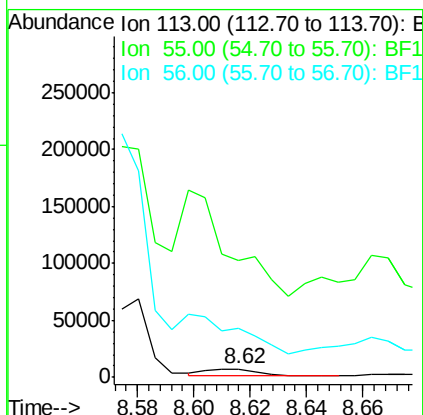
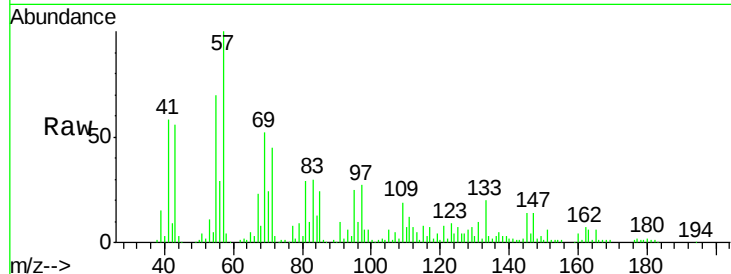




#35
 Caprolactam
 Concen: 3.79 ng
 RT: 8.62 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

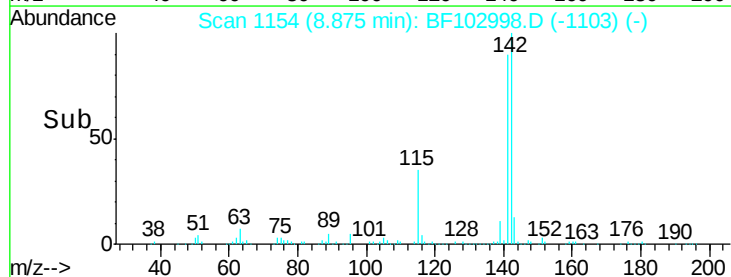
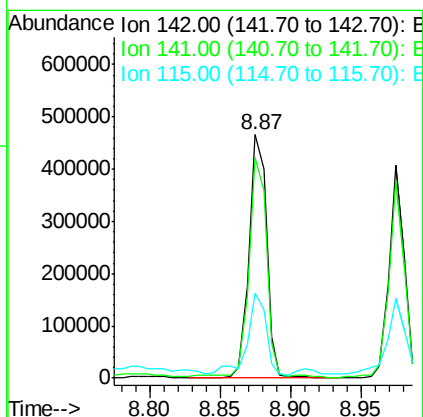
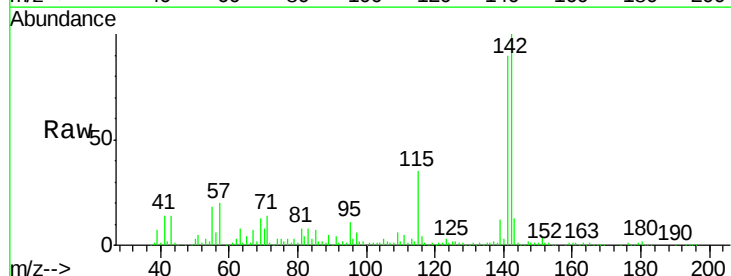
Instrument :
 BNA_F
 ClientSampleId :

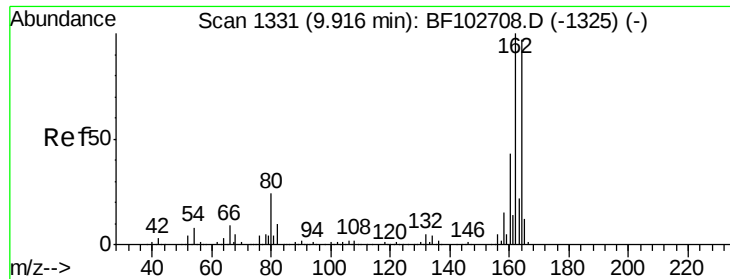
Tot Ion:113 Resp: 8727
 Ion Ratio Lower Upper
 113 100
 55 1348.4 163.3 203.3#
 56 556.9 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 24.45 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

Tgt Ion:142 Resp: 407278
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.8 106.2
 115 34.9 26.1 39.1

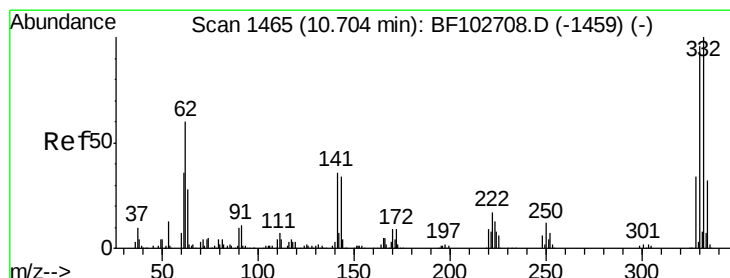
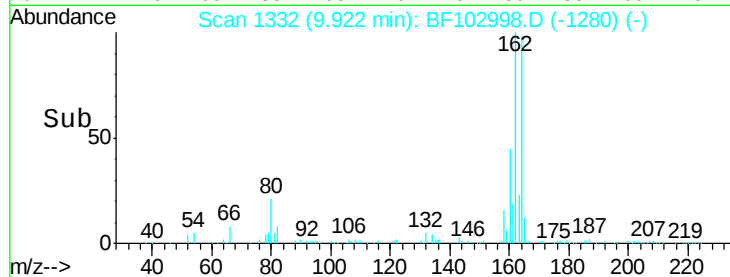
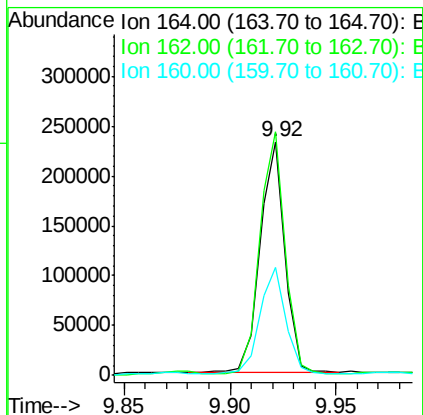
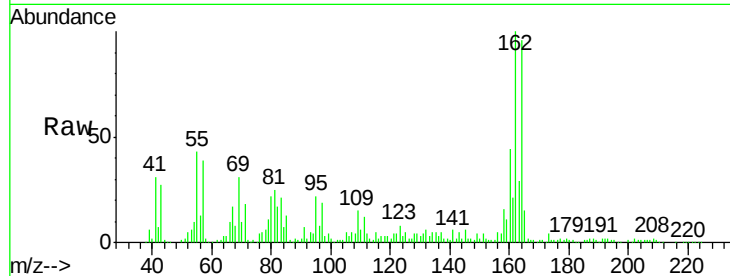




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

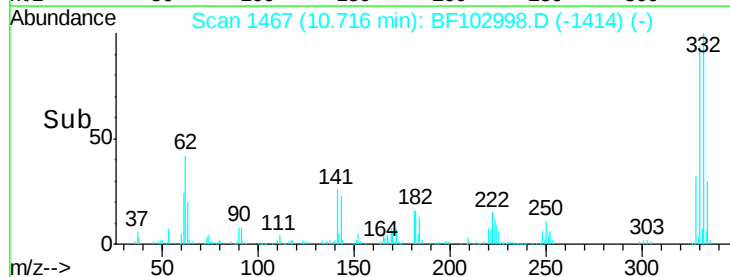
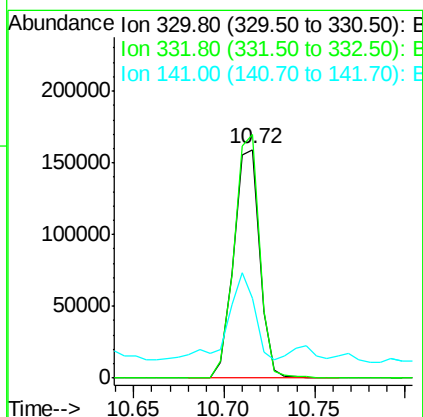
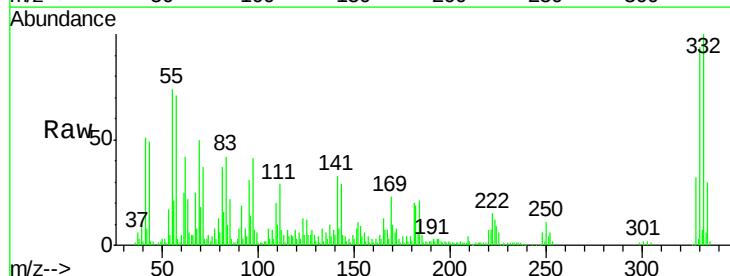
Instrument :
 BNA_F
 ClientSampleId :

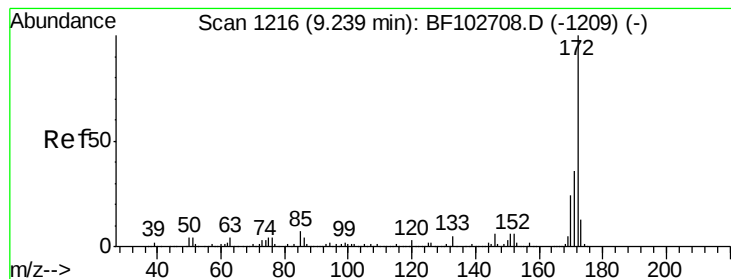
Tot Ion:164 Resp: 190821
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 46.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 104.34 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

Tgt Ion:330 Resp: 160254
 Ion Ratio Lower Upper
 330 100
 332 104.3 77.0 115.6
 141 37.1 29.9 44.9

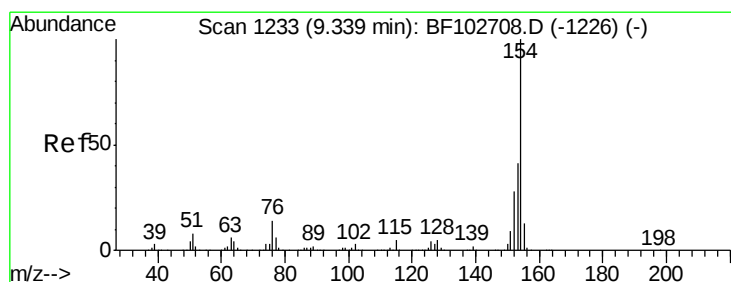
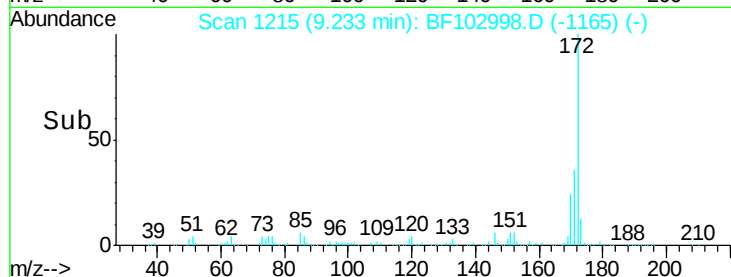
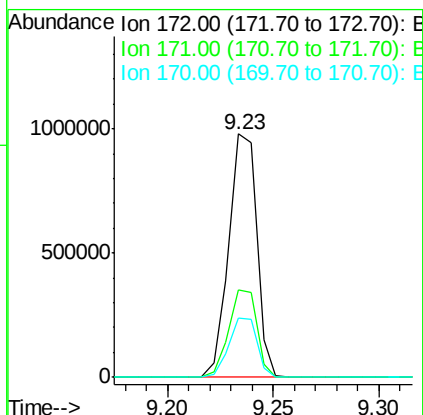
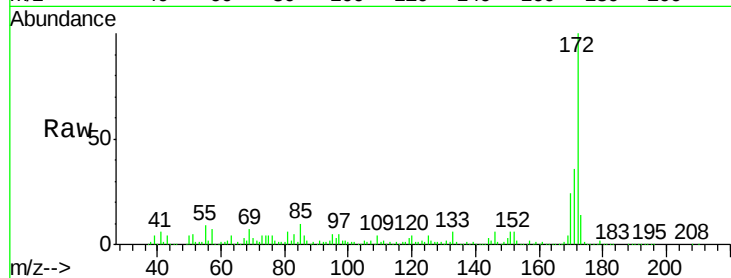




#44
 2-Fluorobiphenyl
 Concen: 77.74 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

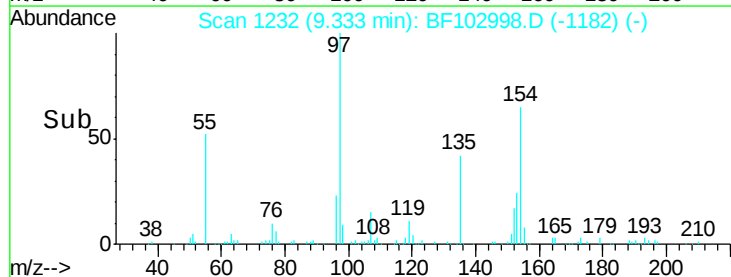
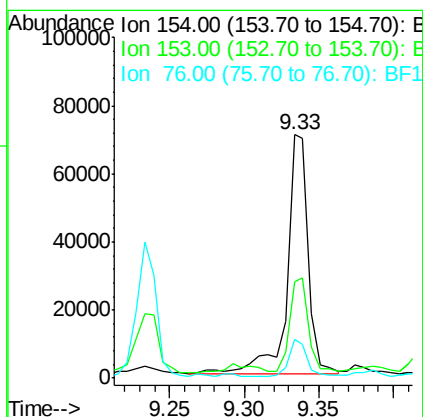
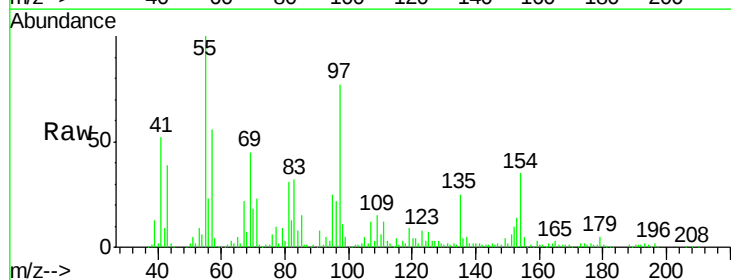
Instrument :
 BNA_F
 ClientSampled :

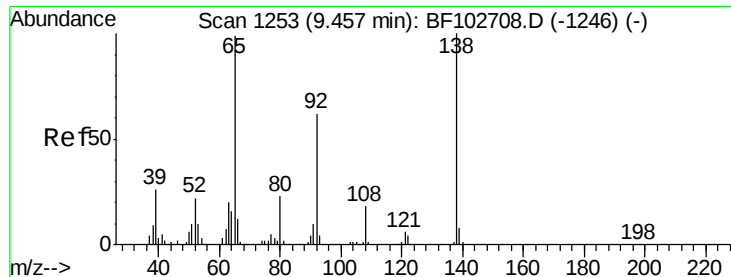
Tot Ion:172 Resp: 894034
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.5 19.6 29.4



#45
 1,1'-Biphenyl
 Concen: 4.41 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

Tgt Ion:154 Resp: 70871
 Ion Ratio Lower Upper
 154 100
 153 39.5 21.3 61.3
 76 15.8 0.0 34.0





#47

2-Nitroaniline

Concen: 4.66 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.17 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampled :

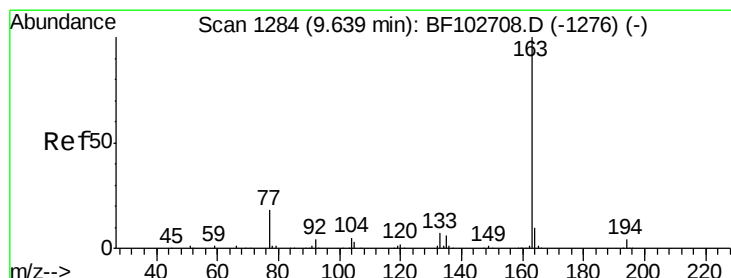
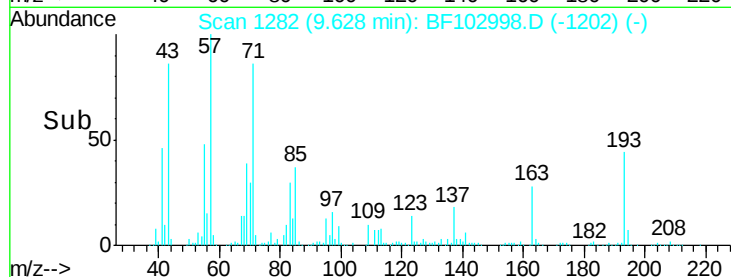
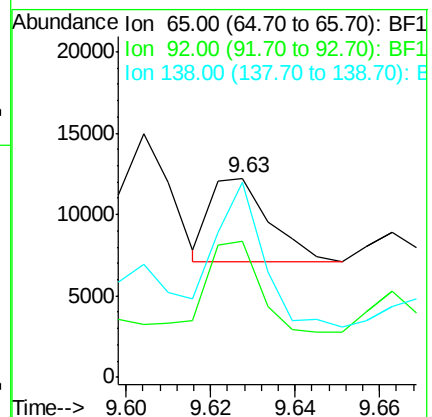
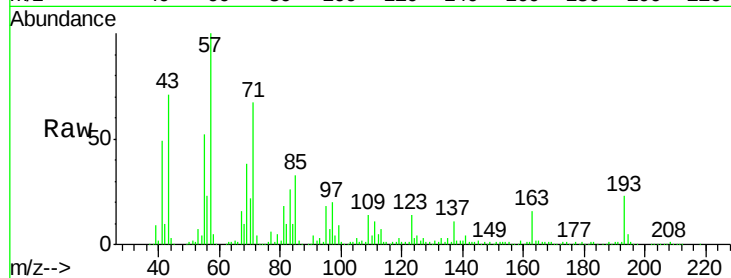
Tot Ion: 65 Resp: 4984

Ion Ratio Lower Upper

65 100

92 68.1 55.8 83.6

138 97.9 91.2 136.8



#49

Dimethylphthalate

Concen: 4.40 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

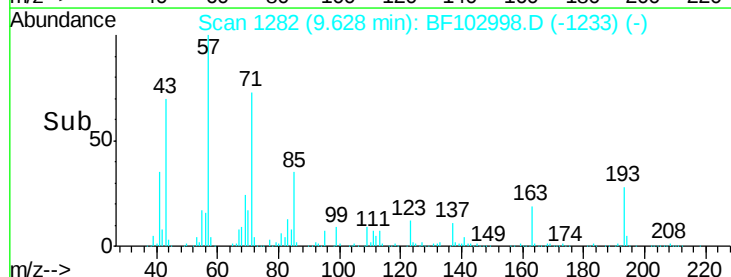
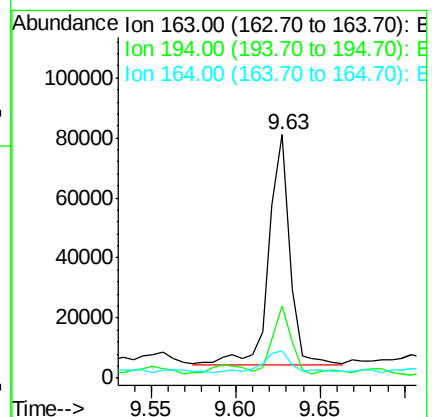
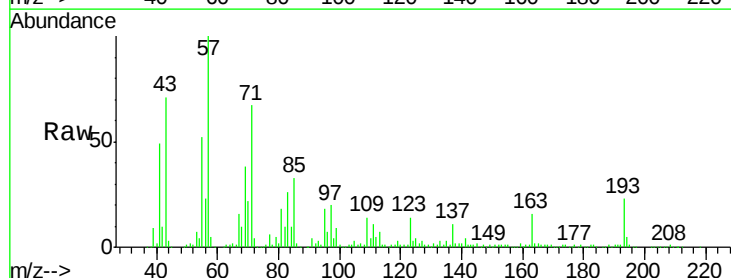
Tgt Ion: 163 Resp: 65530

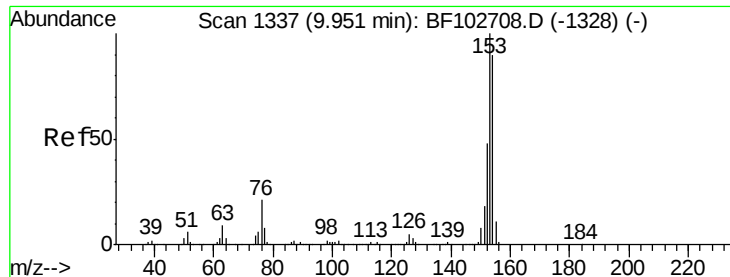
Ion Ratio Lower Upper

163 100

194 29.4 2.7 4.1#

164 11.3 8.2 12.2





#51

Acenaphthene

Concen: 7.37 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampleId :

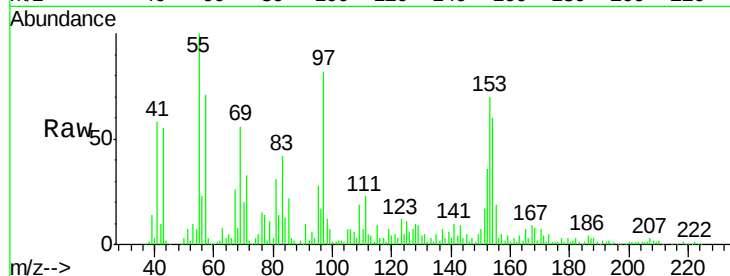
Tot Ion:154 Resp: 86599

Ion Ratio Lower Upper

154 100

153 116.2 91.2 136.8

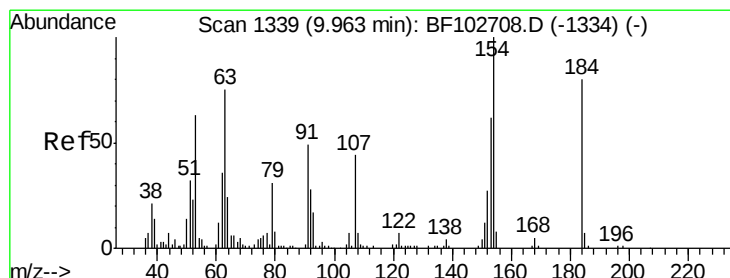
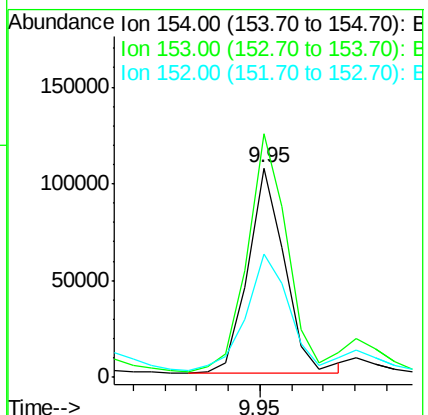
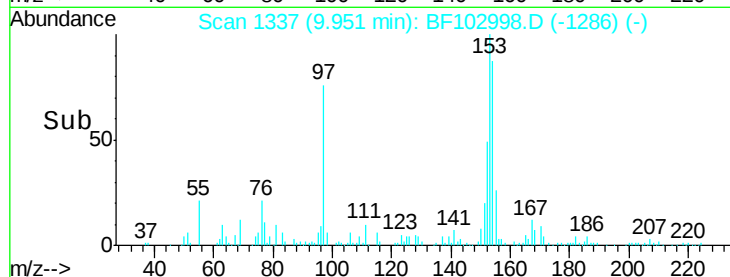
152 59.1 43.8 65.8



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: 8.49 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

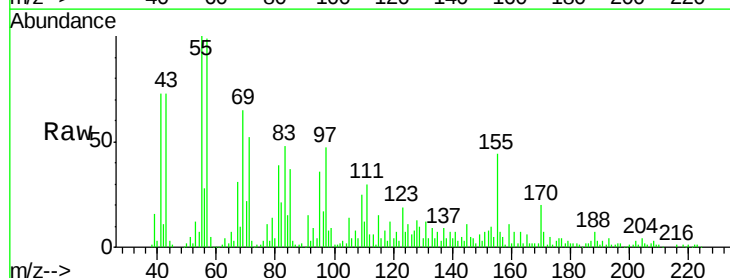
Tgt Ion:184 Resp: 280

Ion Ratio Lower Upper

184 100

63 1171.7 54.2 81.2#

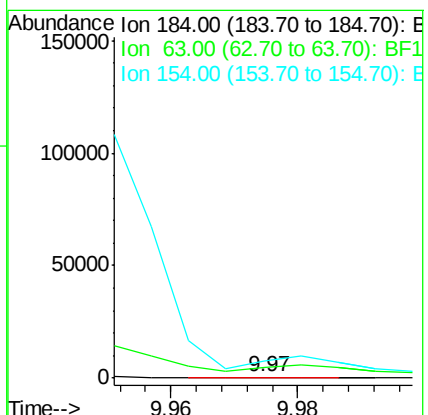
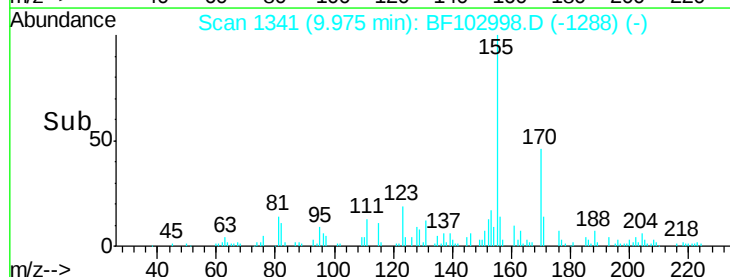
154 1730.2 184.0 276.0#

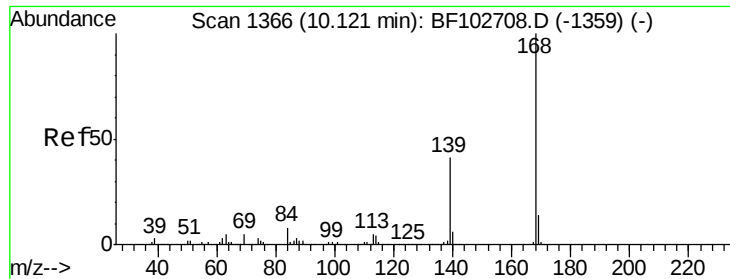


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 5.26 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampled :

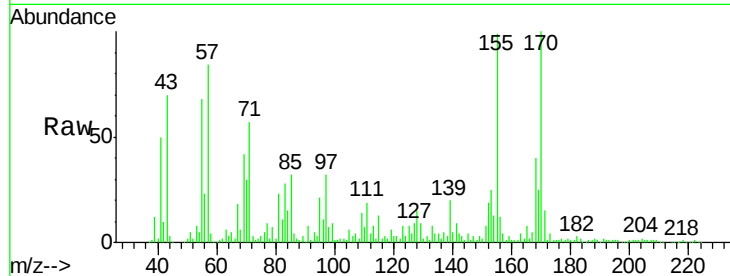
Tot Ion:168 Resp: 87057

Ion Ratio Lower Upper

168 100

139 51.4 30.1 45.1#

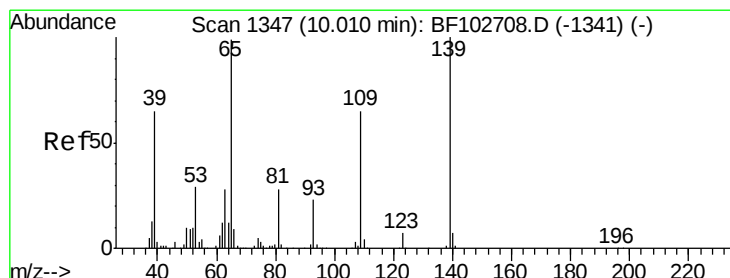
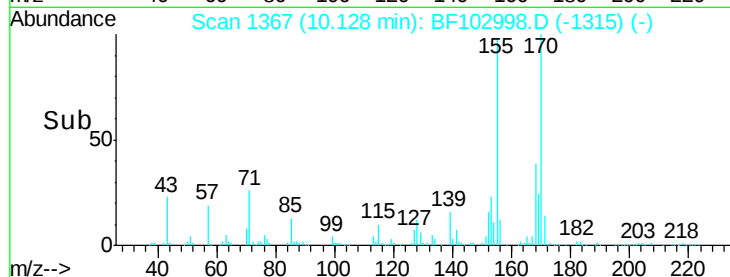
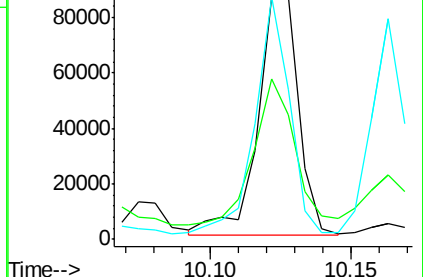
169 61.7 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 14.13 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

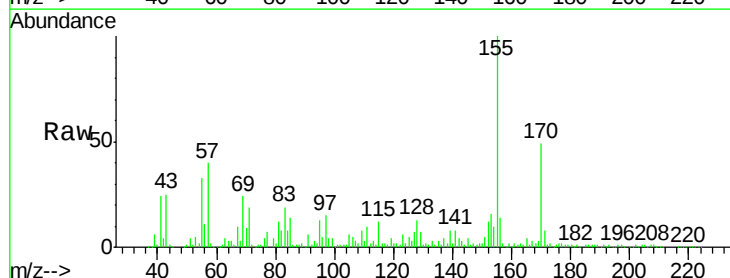
Tgt Ion:139 Resp: 30456

Ion Ratio Lower Upper

139 100

109 104.4 48.4 88.4#

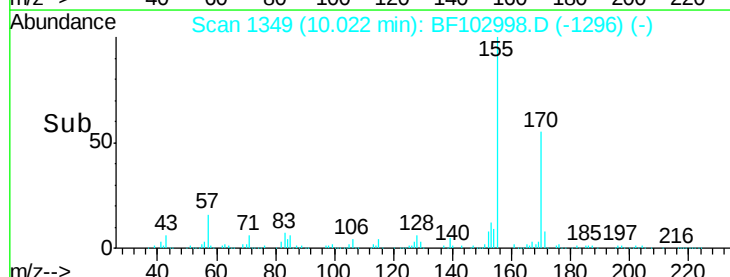
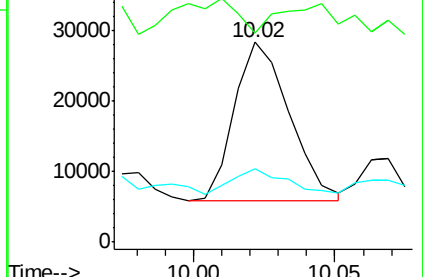
65 36.9 72.6 112.6#

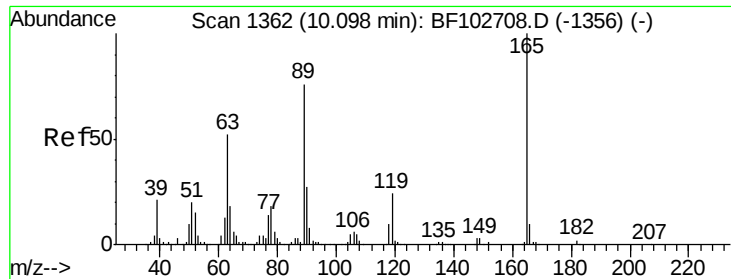


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#56

2,4-Dinitrotoluene

Concen: 7.94 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.02 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 19735

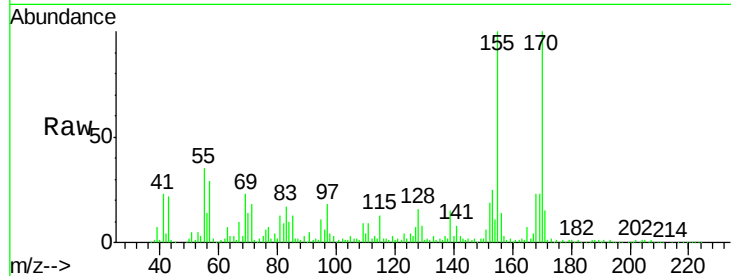
Ion Ratio Lower Upper

165 100

63 95.6 36.4 54.6#

89 37.2 57.8 86.6#

182 9.3 1.6 2.4#

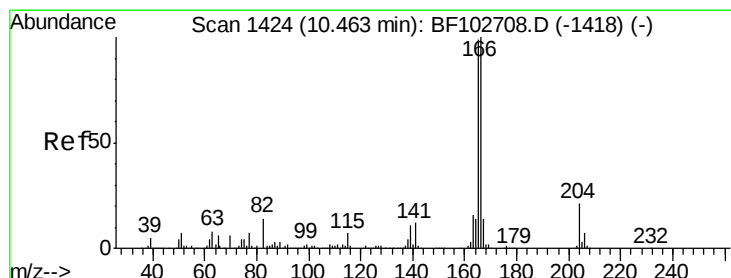
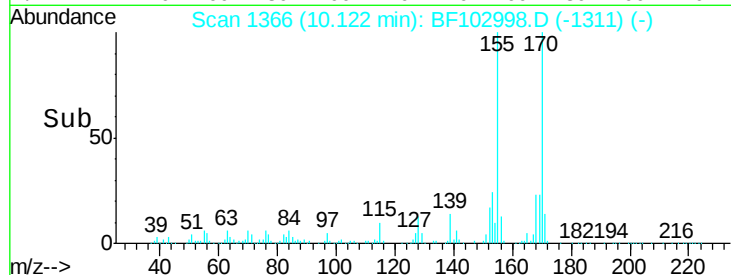
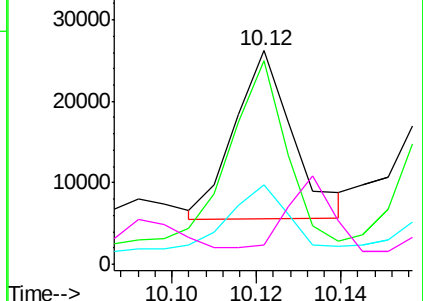


Abundance Ion 165.00 (164.70 to 165.70): E

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: 9.19 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

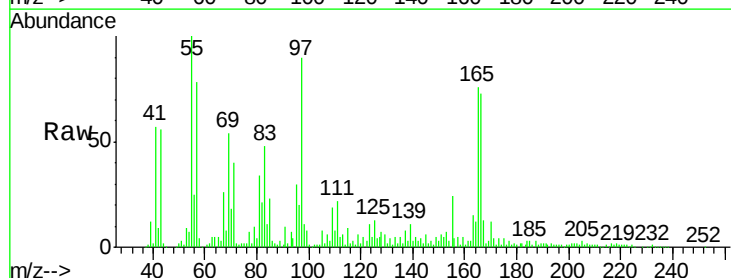
Tgt Ion:166 Resp: 110781

Ion Ratio Lower Upper

166 100

165 103.4 79.8 119.8

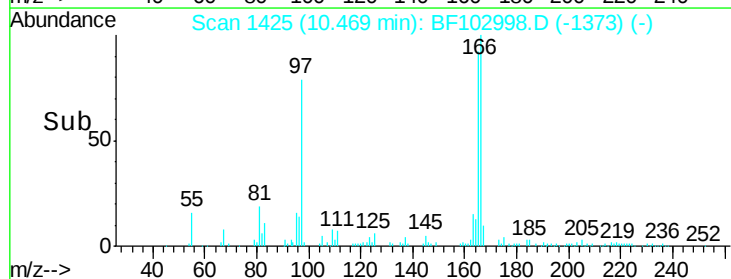
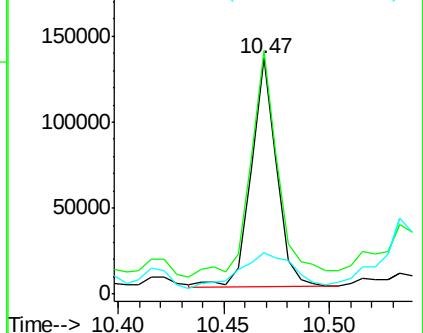
167 17.3 10.6 16.0#

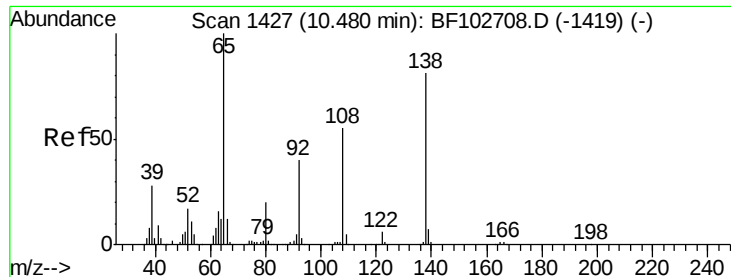


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

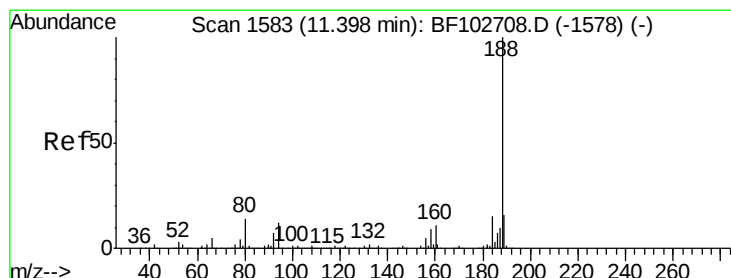
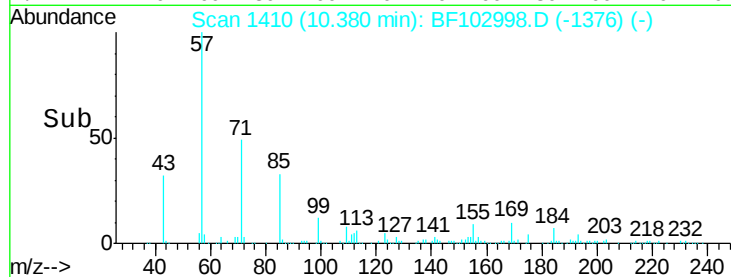
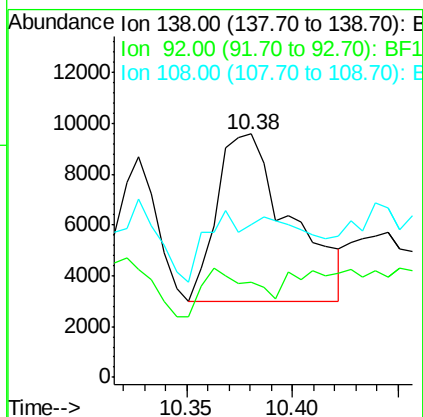
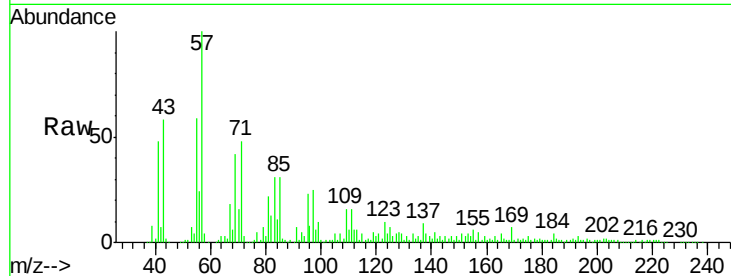




#61
4-Nitroaniline
Concen: 4.76 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.10 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

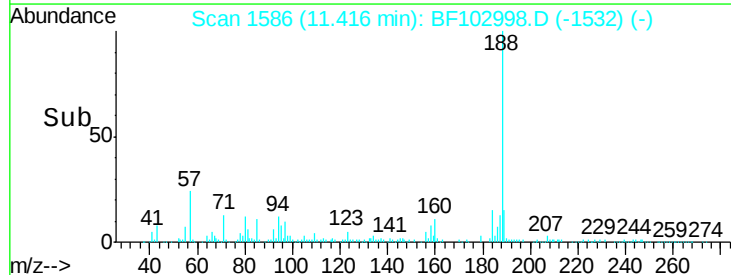
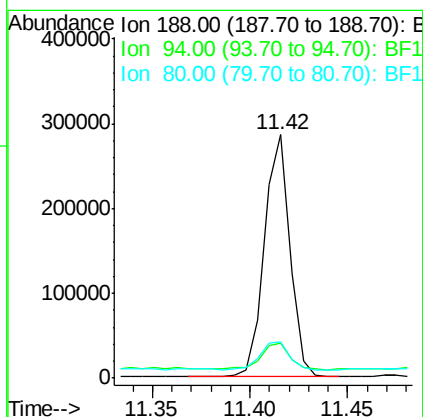
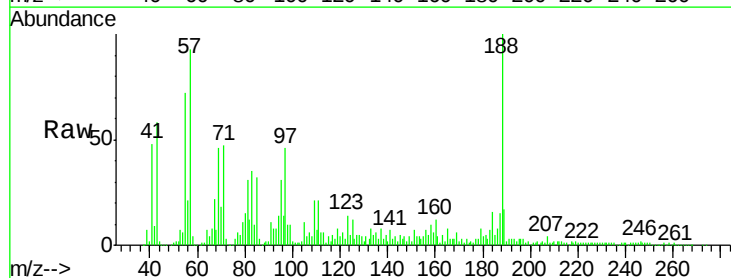
Instrument :
BNA_F
ClientSampled :

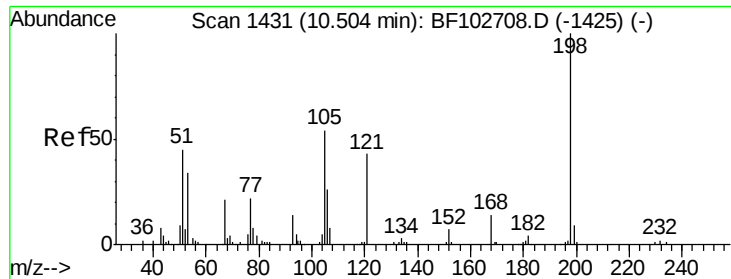
Tot Ion:138 Resp: 15794
Ion Ratio Lower Upper
138 100
92 38.9 30.2 70.2
108 62.9 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.02 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion:188 Resp: 257030
Ion Ratio Lower Upper
188 100
94 14.4 8.5 12.7#
80 14.8 9.2 13.8#

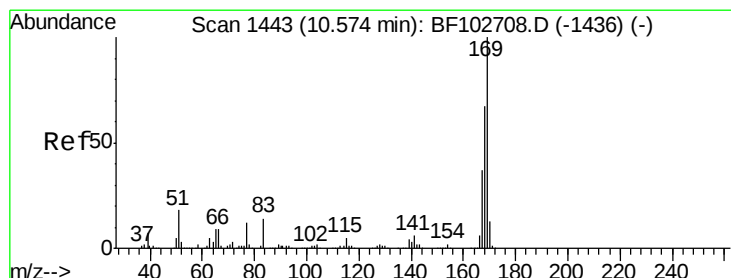
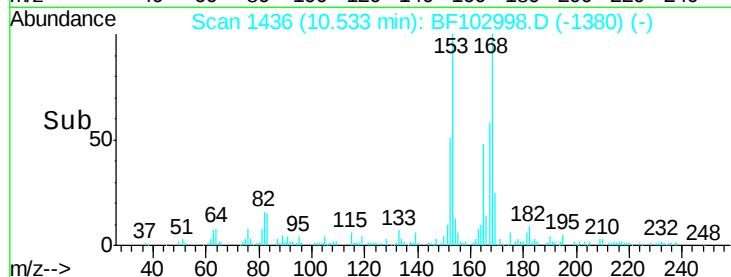
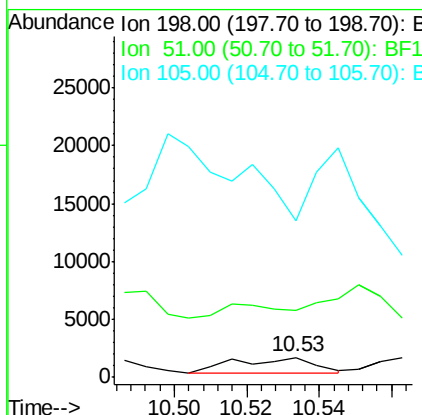
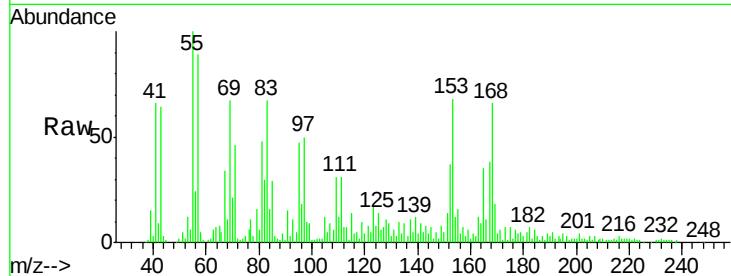




#64
 4,6-Dinitro-2-methylphenol
 Concen: 10.50 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.03 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

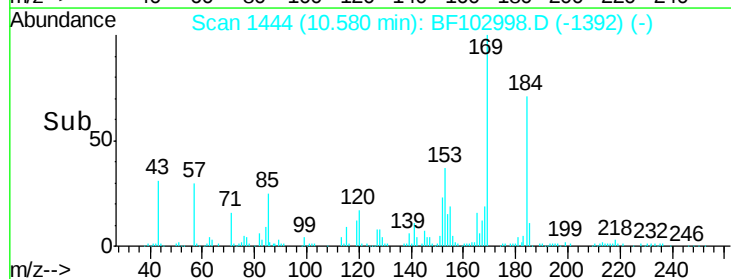
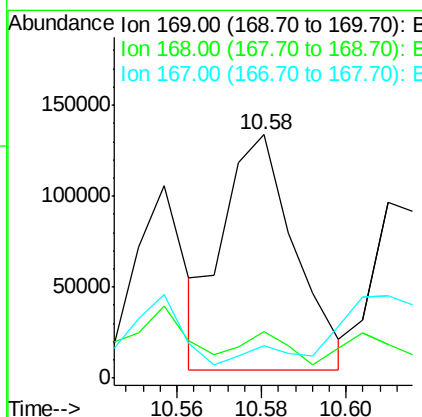
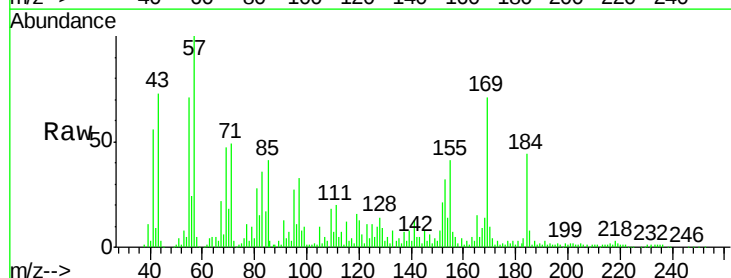
Instrument :
 BNA_F
 ClientSampled :

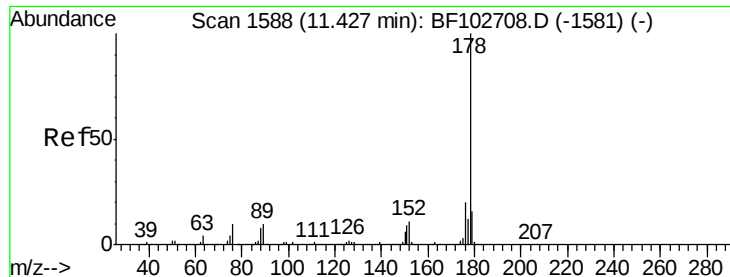
Tot Ion:198 Resp: 1986
 Ion Ratio Lower Upper
 198 100
 51 336.6 37.7 77.7#
 105 785.8 36.3 76.3#



#65
 n-Nitrosodiphenylamine
 Concen: 16.72 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

Tgt Ion:169 Resp: 151571
 Ion Ratio Lower Upper
 169 100
 168 19.1 54.4 81.6#
 167 13.1 29.8 44.6#





#70

Phenanthrene

Concen: 51.79 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

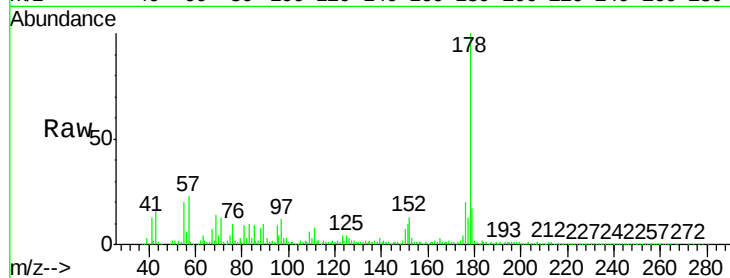
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 741317

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	17.0	13.0	19.6

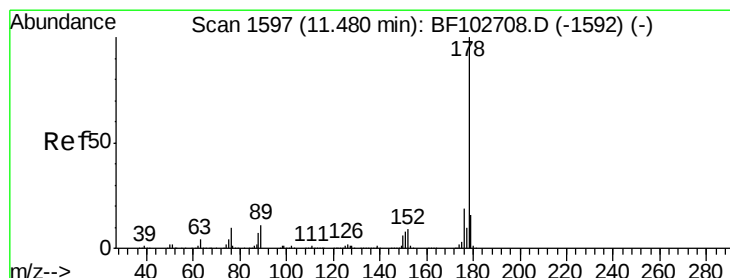
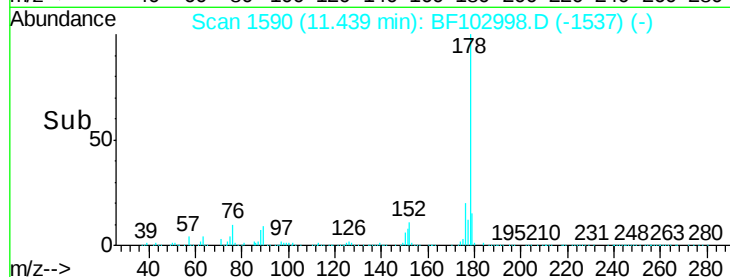
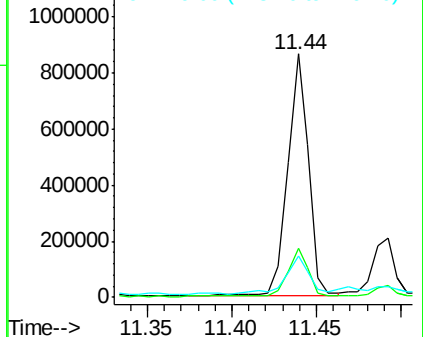


Abundance

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: 11.52 ng

RT: 11.49 min Scan# 1599

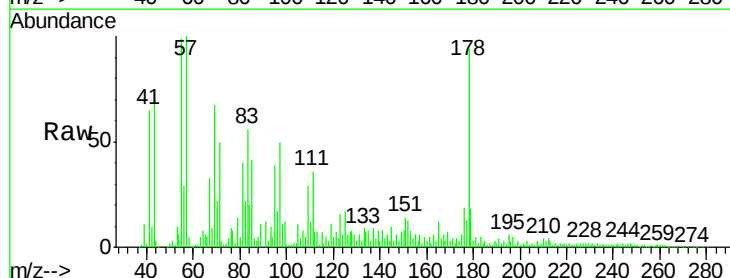
Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion:178 Resp: 167686

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	18.8	12.6	19.0

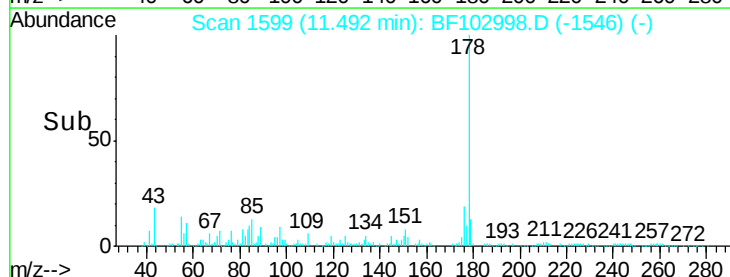
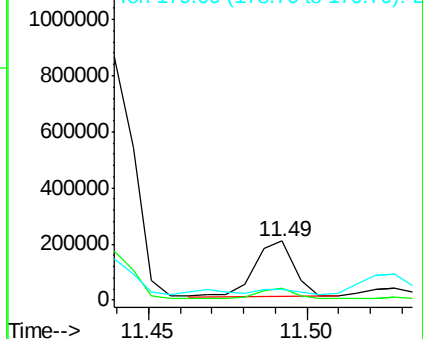


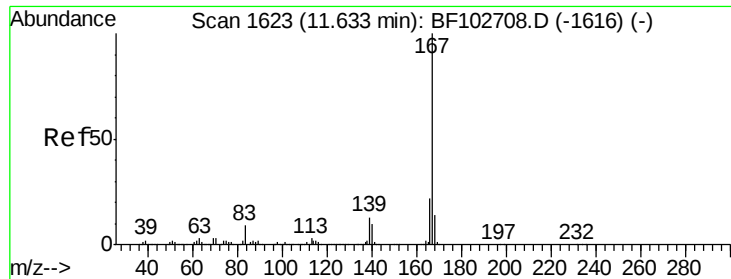
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

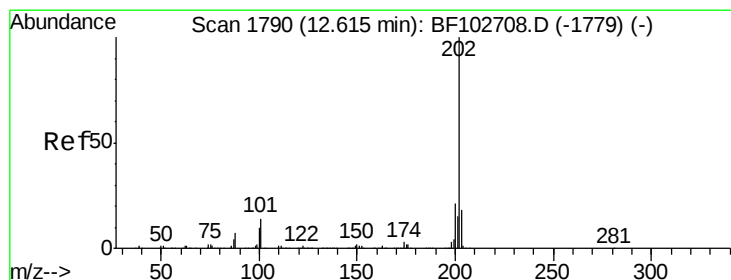
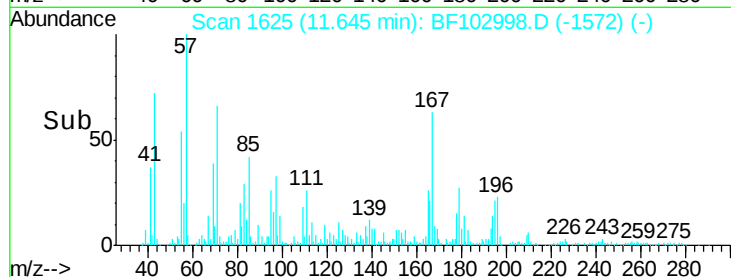
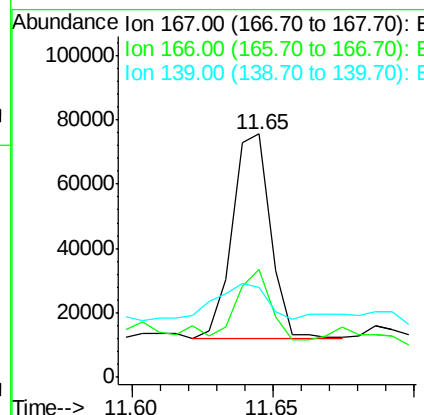
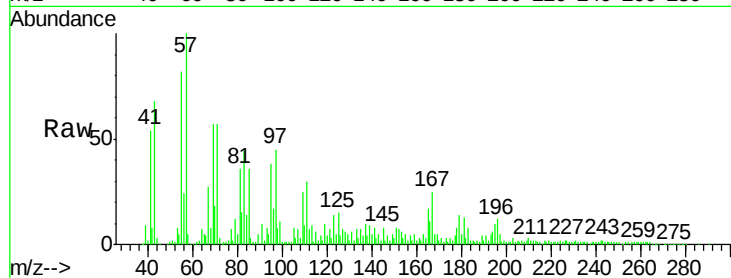




#72
 Carbazole
 Concen: 4.21 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

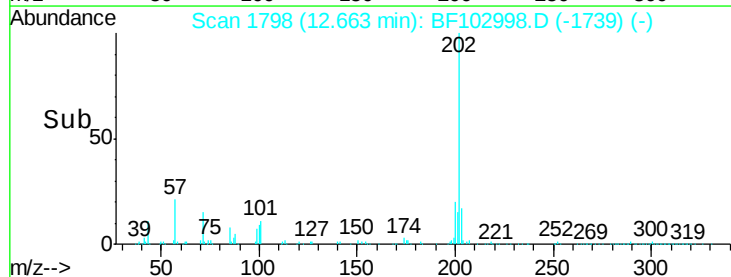
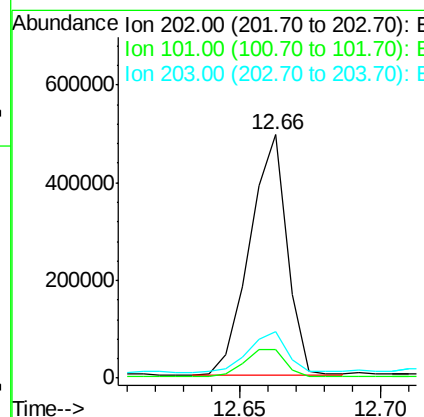
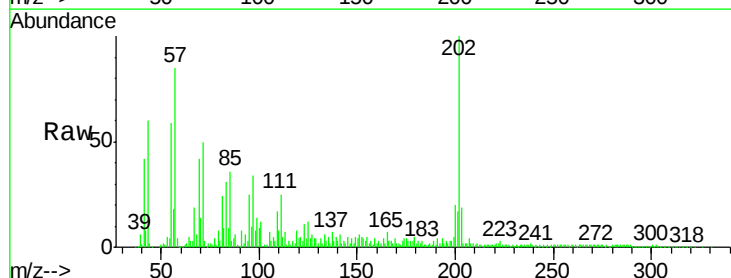
Instrument :
 BNA_F
 ClientSampleId :

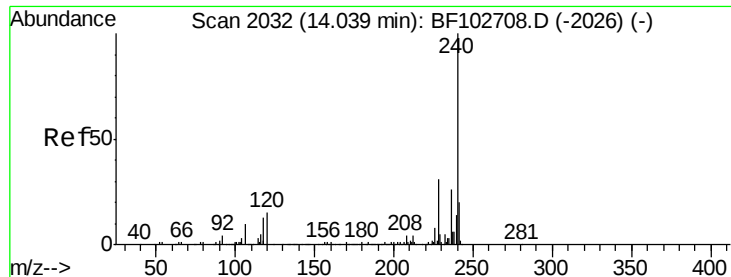
Tot Ion	Ratio	Lower	Upper
167	100		
166	44.3	17.6	26.4#
139	36.7	10.9	16.3#



#74
 Fluoranthene
 Concen: 31.41 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. 0.05 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.1
203	19.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 2046

Delta R.T. 0.08 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampled :

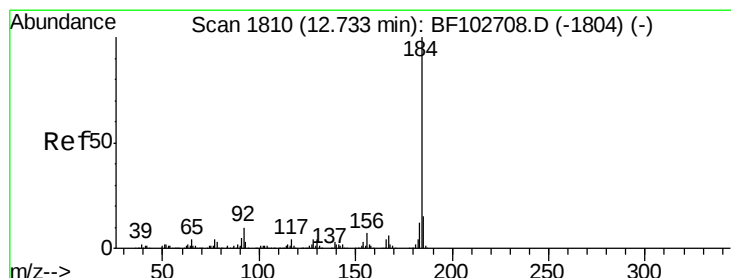
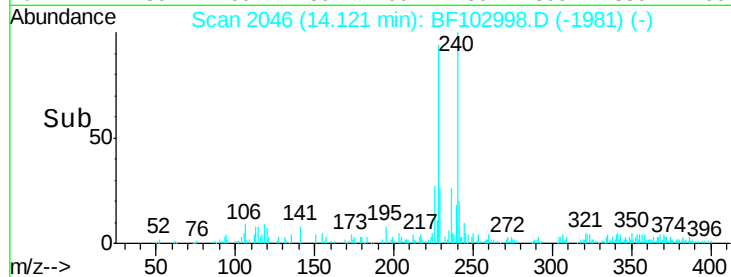
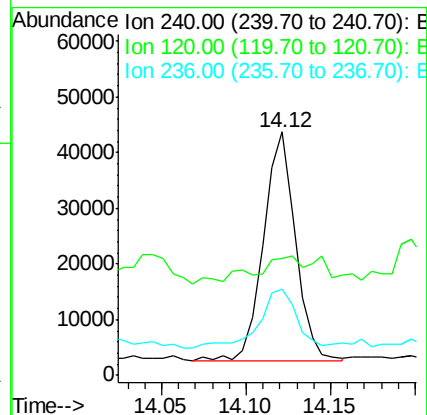
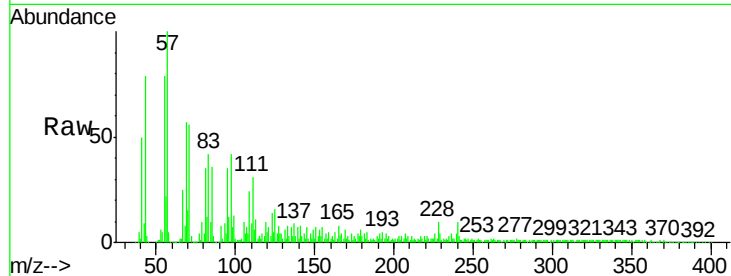
Tot Ion:240 Resp: 53633

Ion Ratio Lower Upper

240 100

120 48.3 9.5 14.3#

236 35.5 20.7 31.1#



#76

Benzidine

Concen: 3.49 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.05 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

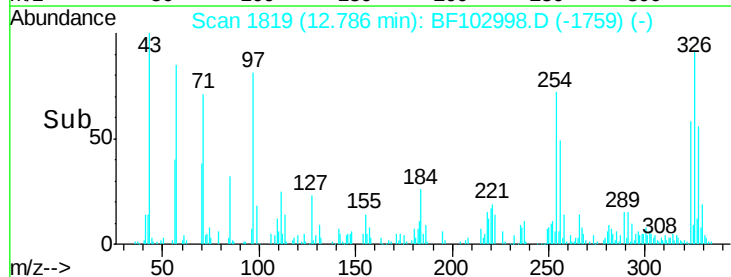
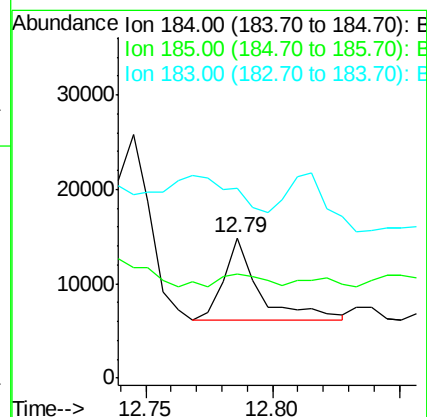
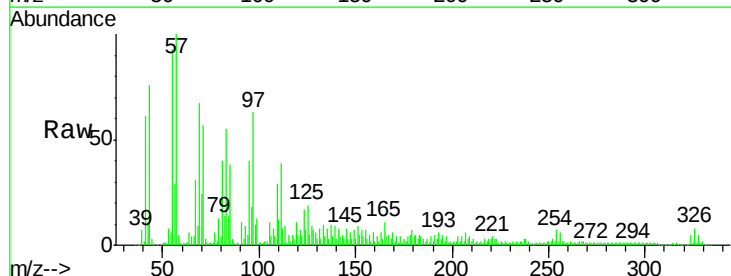
Tgt Ion:184 Resp: 8604

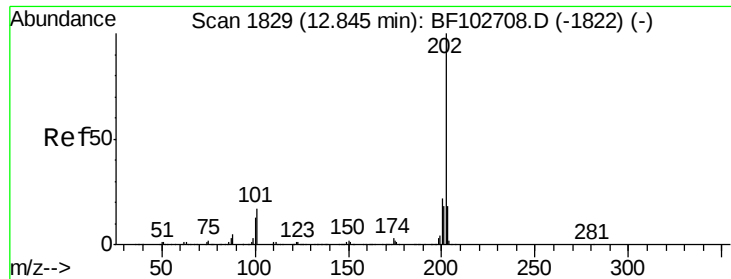
Ion Ratio Lower Upper

184 100

185 73.8 12.6 18.8#

183 135.3 9.3 13.9#





#77

Pvrene

Concen: 98.32 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.05 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampled :

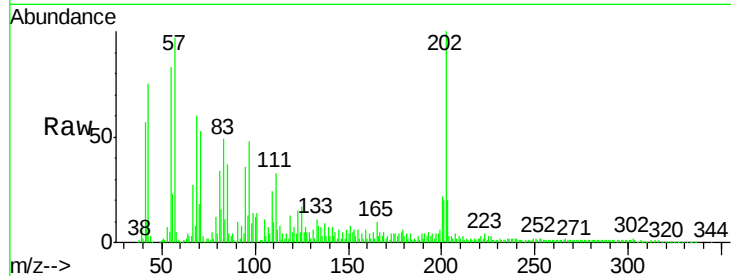
Tot Ion:202 Resp: 413521

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

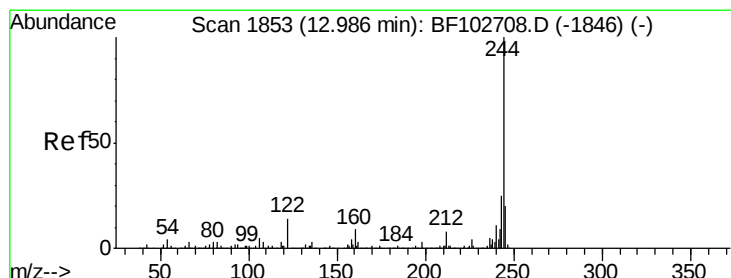
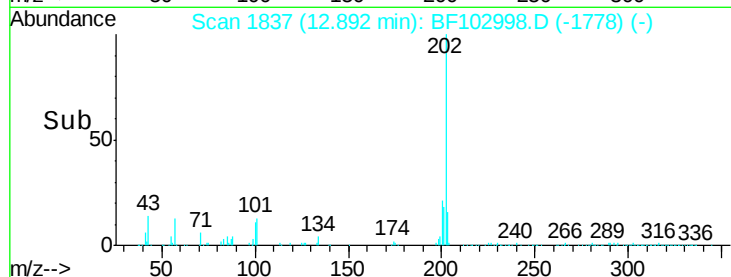
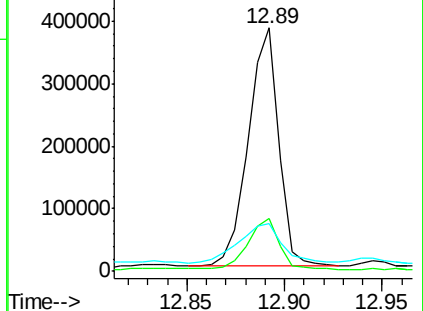
203 19.6 14.3 21.5



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: 122.06 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.04 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

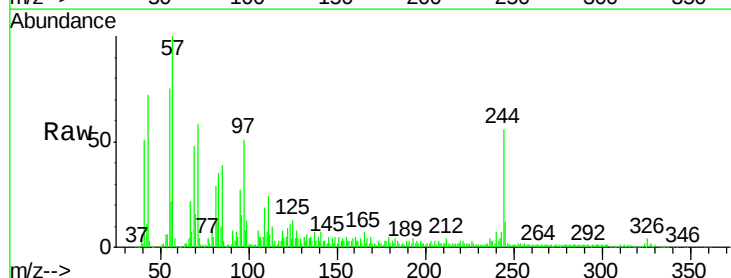
Tgt Ion:244 Resp: 276472

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

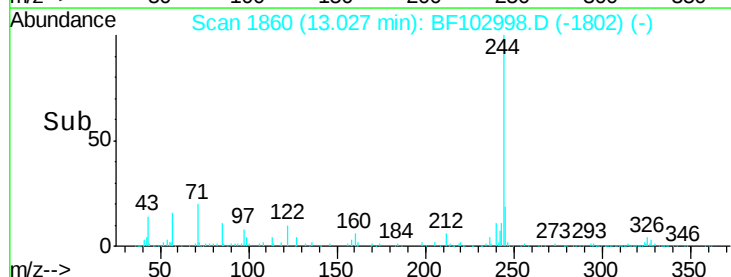
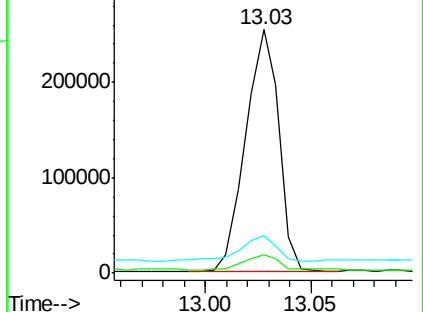
122 15.4 11.0 16.4

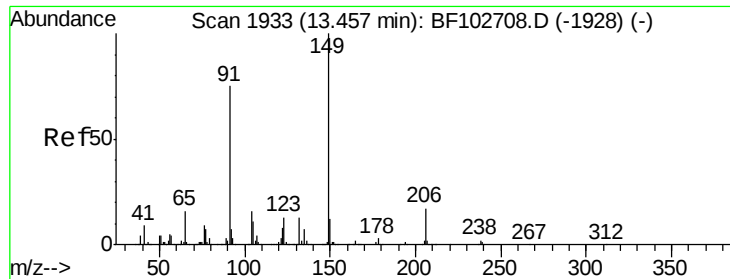


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

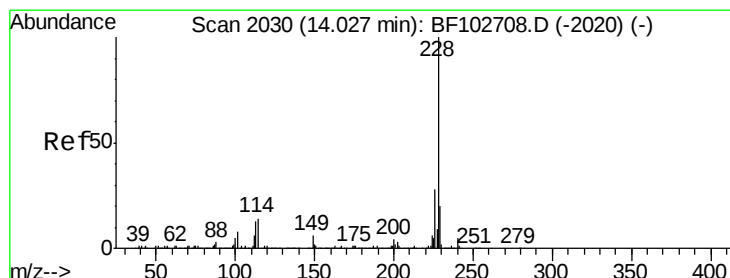
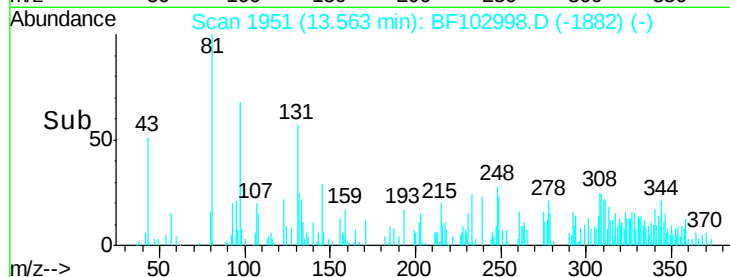
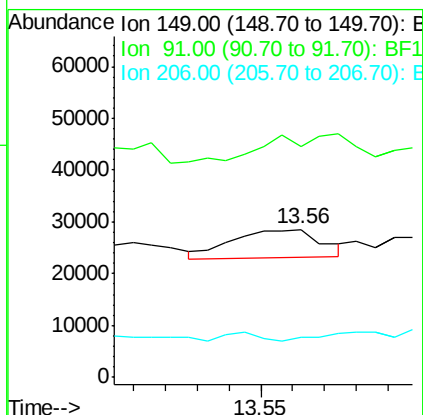
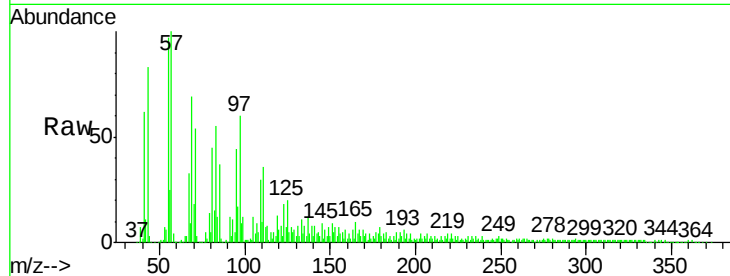




#79
Butylbenzylphthalate
Concen: 6.26 ng
RT: 13.56 min Scan# 1951
Delta R.T. 0.11 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

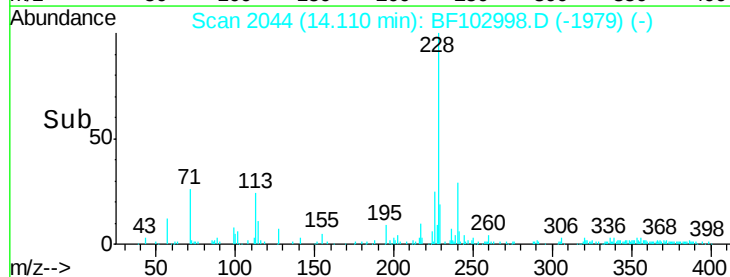
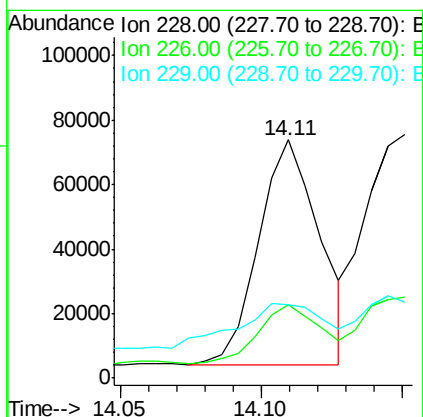
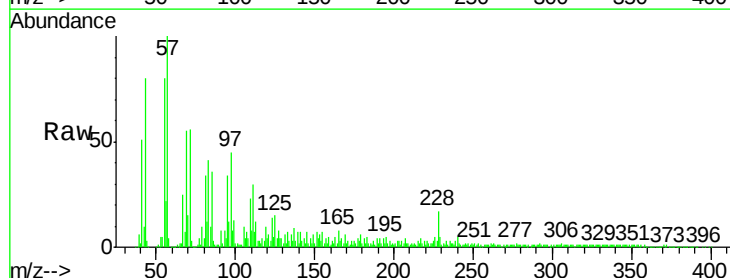
Instrument :
BNA_F
ClientSampleId :

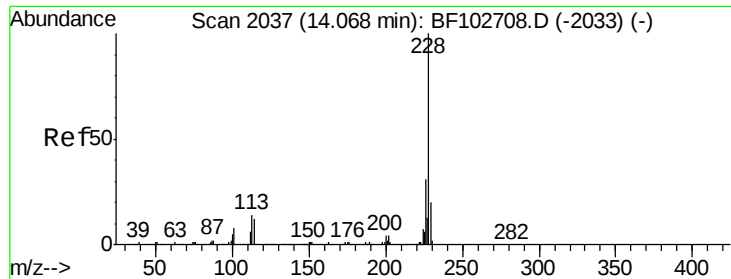
Tot Ion:149 Resp: 10753
Ion Ratio Lower Upper
149 100
91 156.3 56.8 85.2#
206 27.3 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 31.07 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.08 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion:228 Resp: 104802
Ion Ratio Lower Upper
228 100
226 30.6 22.6 33.8
229 30.9 15.8 23.6#





#82

Chrysene

Concen: 28.48 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.08 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampleId :

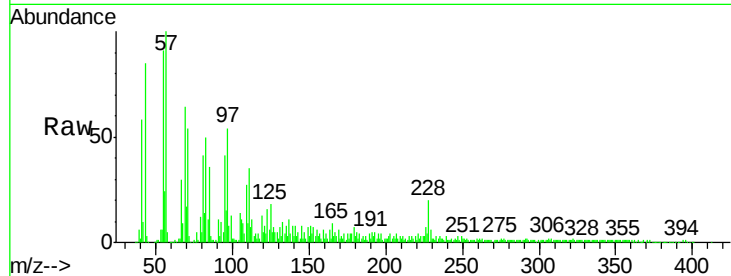
Tot Ion:228 Resp: 96846

Ion Ratio Lower Upper

228 100

226 33.5 25.0 37.6

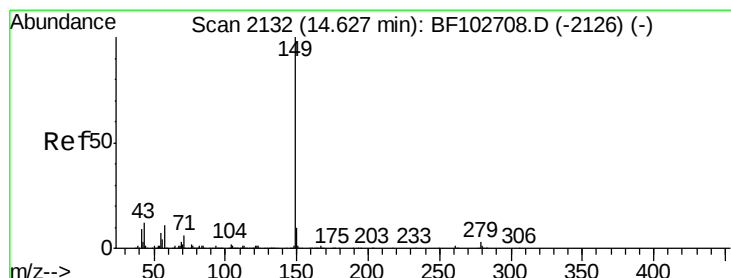
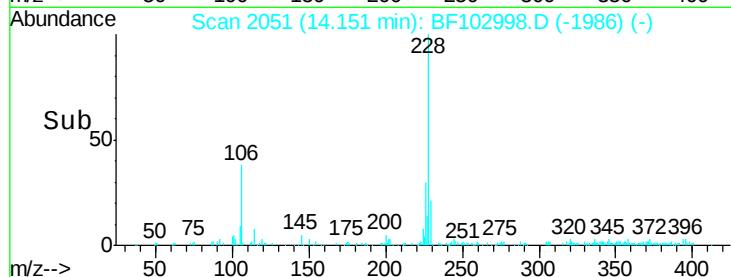
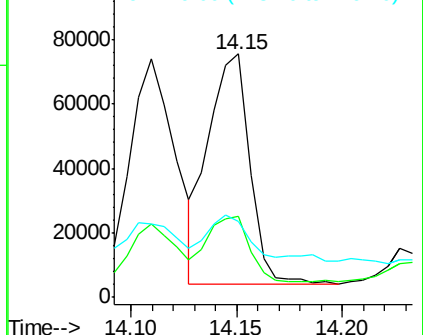
229 31.0 16.2 24.4#



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



#84

Di-n-octyl phthalate

Concen: 4.91 ng

RT: 14.73 min Scan# 2150

Delta R.T. 0.11 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

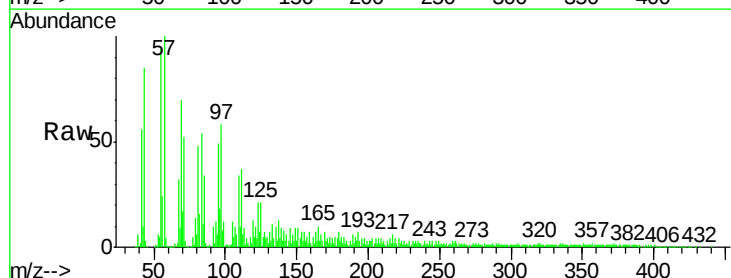
Tgt Ion:149 Resp: 18993

Ion Ratio Lower Upper

149 100

167 18.8 1.2 1.8#

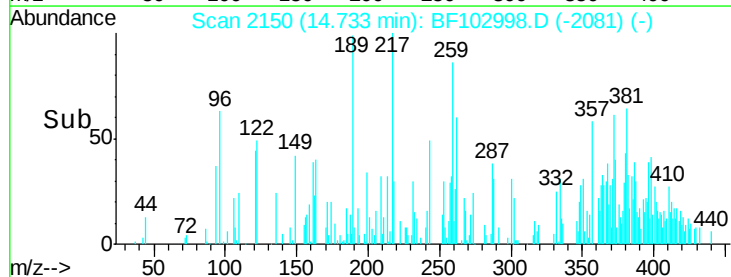
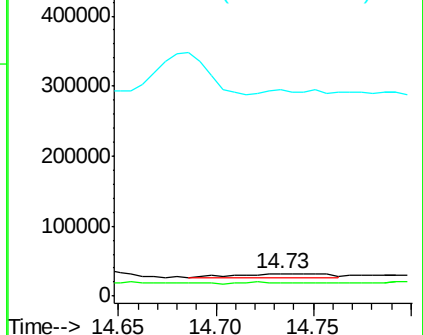
43 0.0 8.4 12.6#

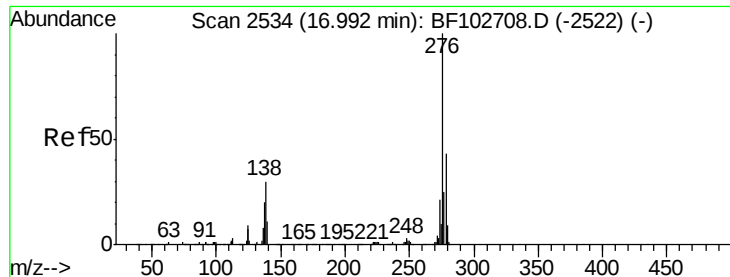


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#85

Indeno(1,2,3-cd)pyrene

Concen: 73.28 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.16 min

Lab File: BF102998.D

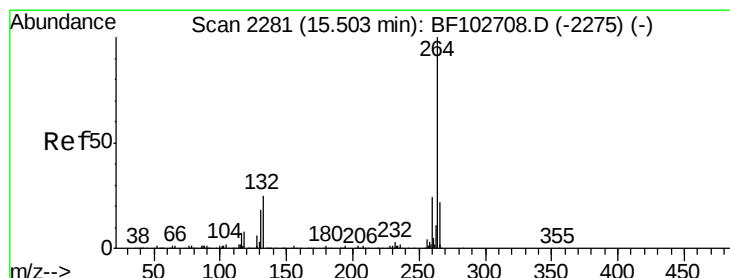
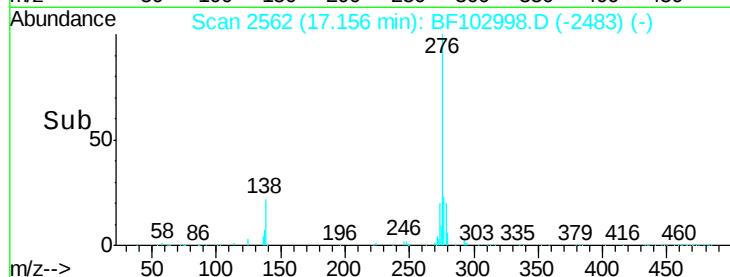
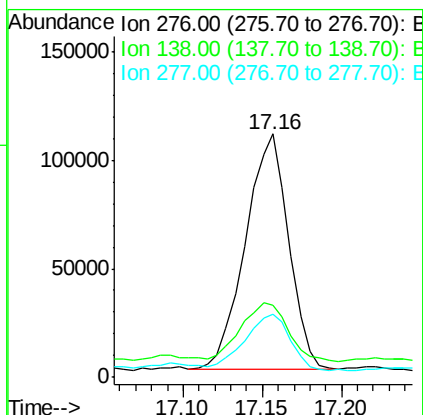
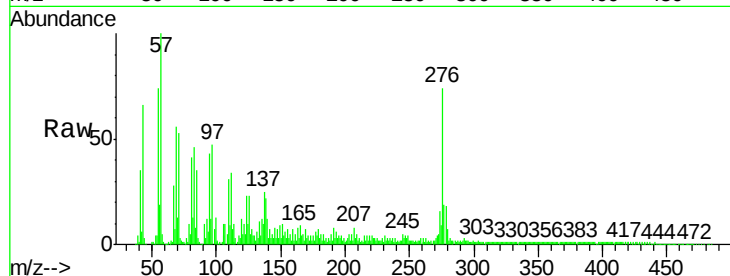
Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	276	Resp:	206665
Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	25.3	20.1	30.1



#86

Perylene-d12

Concen: 20.00 ng

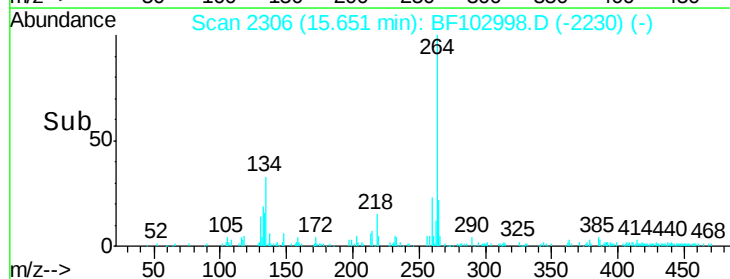
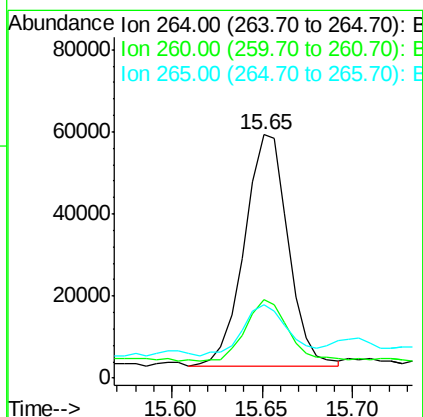
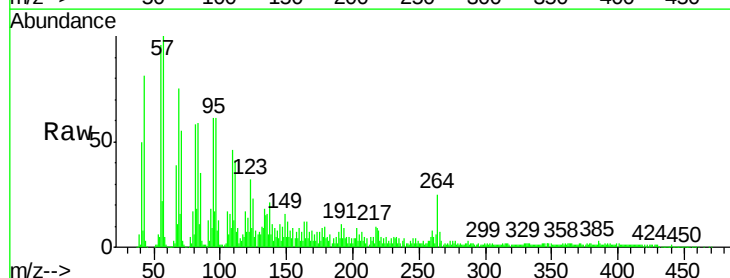
RT: 15.65 min Scan# 2306

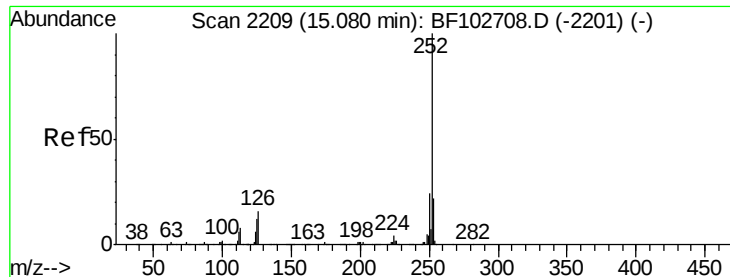
Delta R.T. 0.15 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion:	264	Resp:	94159
Ion	Ratio	Lower	Upper
264	100		
260	32.2	19.2	28.8#
265	30.0	17.5	26.3#





#87

Benzo(b)fluoranthene

Concen: 36.13 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.12 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampleId :

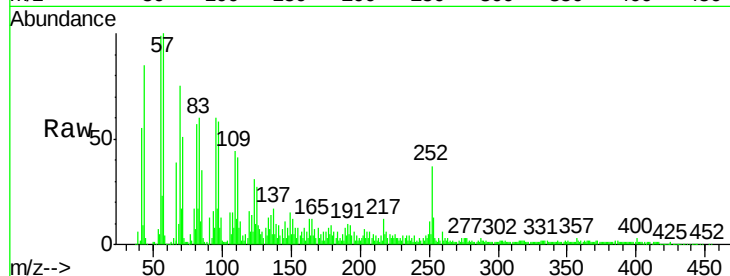
Tot Ion:252 Resp: 220580

Ion Ratio Lower Upper

252 100

253 35.7 17.0 25.6#

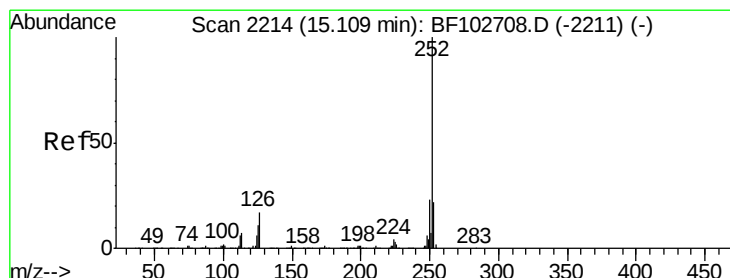
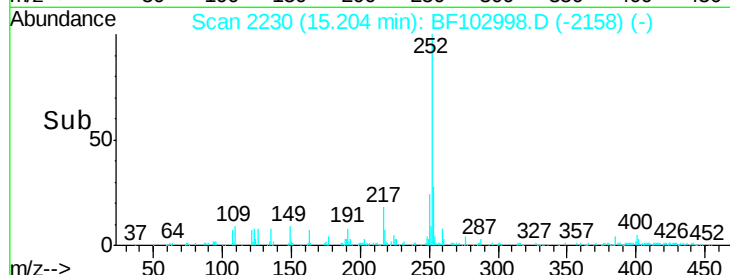
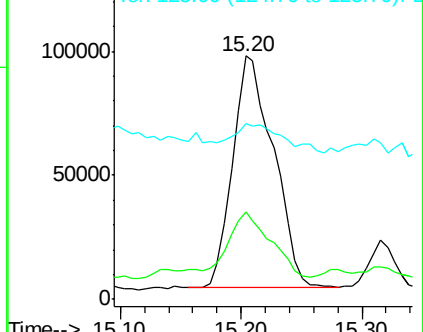
125 71.9 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 37.82 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.09 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

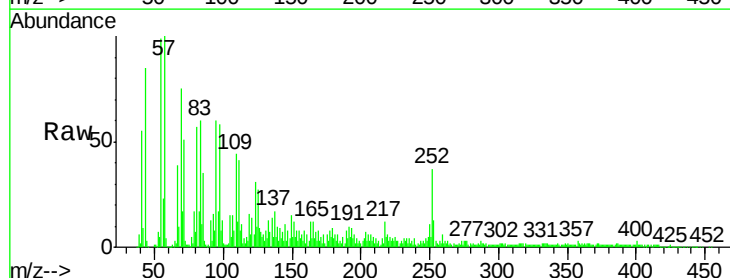
Tgt Ion:252 Resp: 220580

Ion Ratio Lower Upper

252 100

253 35.7 17.9 26.9#

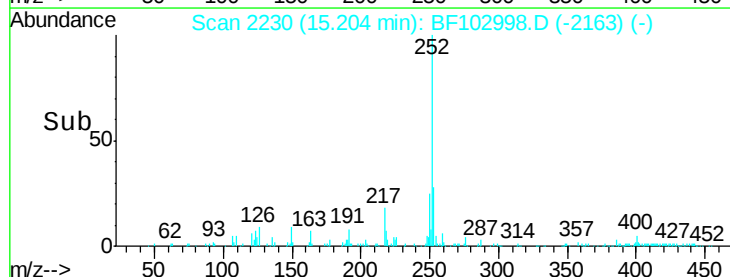
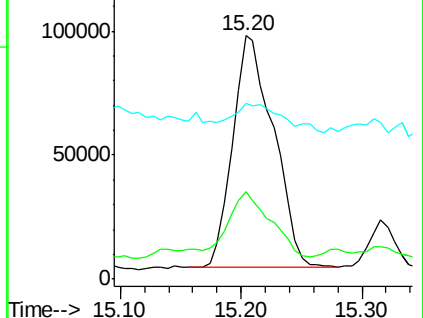
125 71.9 10.2 15.2#

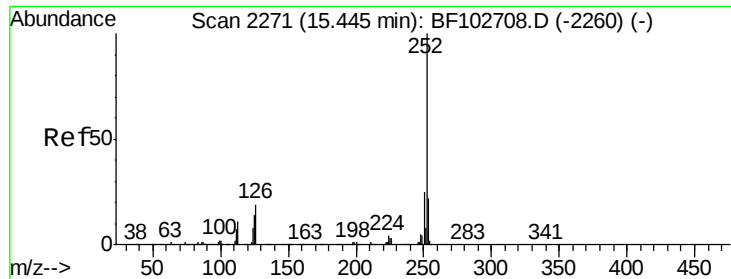


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 31.25 ng

RT: 15.59 min Scan# 2295

Delta R.T. 0.14 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampleId :

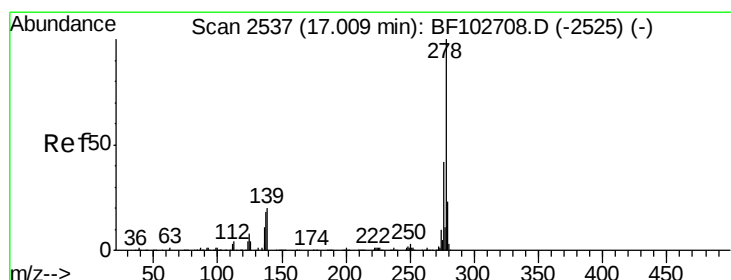
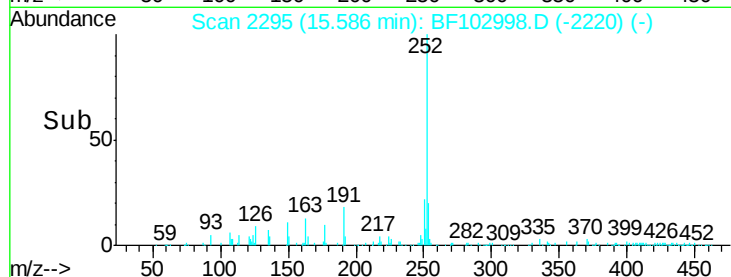
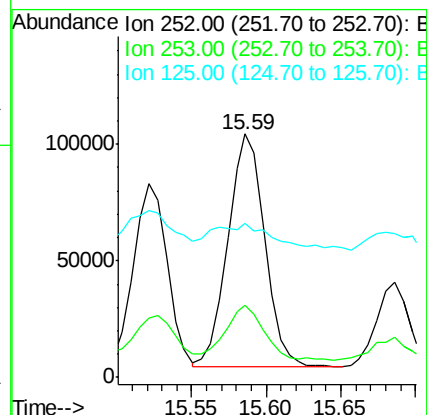
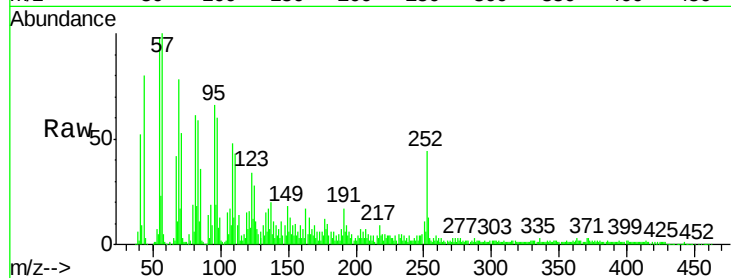
Tot Ion:252 Resp: 171725

Ion Ratio Lower Upper

252 100

253 29.7 17.1 25.7#

125 63.3 9.8 14.6#



#90

Dibenzo(a,h)anthracene

Concen: 11.34 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.15 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

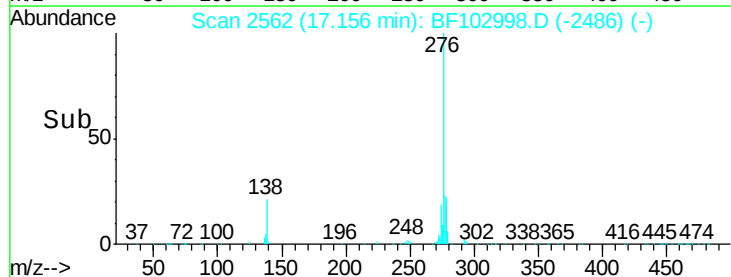
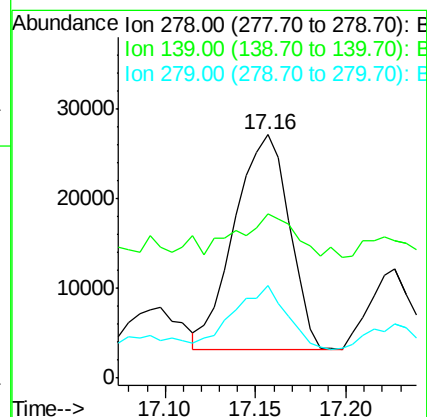
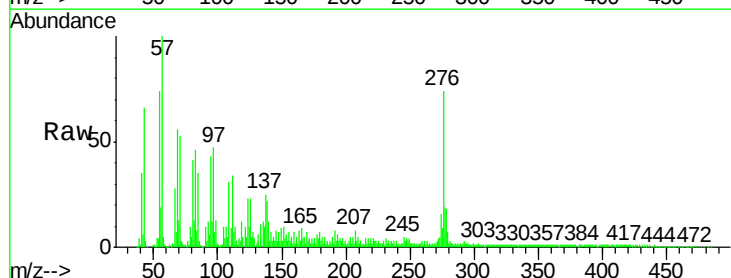
Tgt Ion:278 Resp: 50577

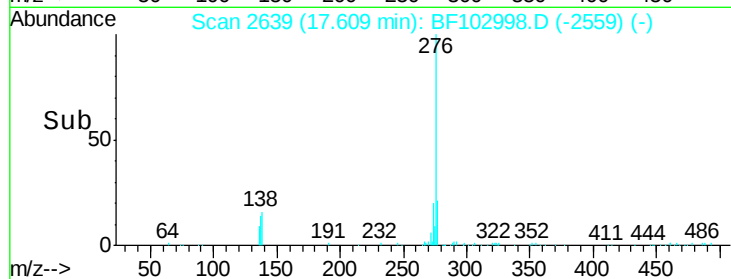
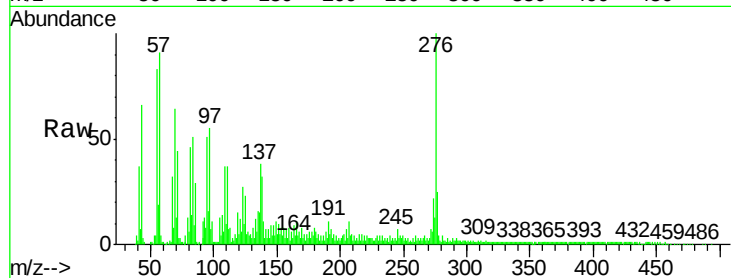
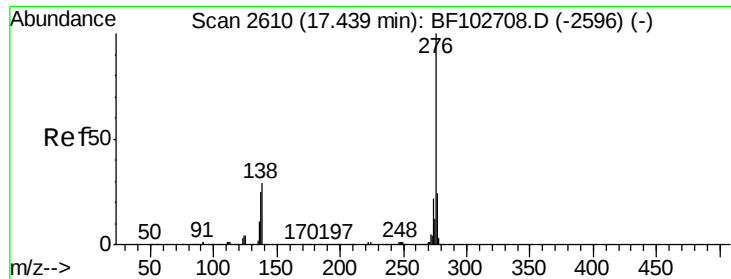
Ion Ratio Lower Upper

278 100

139 67.3 15.9 23.9#

279 38.1 19.0 28.4#





#91

Benzo(a,h,i)perylene

Concen: 51.79 ng

RT: 17.61 min Scan# 2639

Delta R.T. 0.17 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 226081

Ion Ratio Lower Upper

276 100

277 25.1 17.9 26.9

138 31.6 21.8 32.8

