

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101114.D
 Acq On : 5 Dec 2017 10:40
 Operator : SJ/JU
 Sample : I6696-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 12:44:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	52728	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	200193	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	99100	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	158694	20.00	ng	0.01
75) Chrysene-d12	14.05	240	97246	20.00	ng	0.02
86) Perylene-d12	15.52	264	114800	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	350115	109.72	ng	0.01
7) Phenol-d6	6.49	99	417420	107.75	ng	0.00
23) Nitrobenzene-d5	7.42	82	256625	76.47	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	110887	93.15	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	509857	70.39	ng	0.00
78) Terphenyl-d14	12.97	244	439075	98.76	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.62	77	8194	3.46	ng	82
10) Phenol	6.50	94	13572	3.15	ng	94
18) Hexachloroethane	7.38	117	13636	10.12	ng	# 1
25) Isophorone	7.42	82	254328	44.37	ng	# 65
31) Naphthalene	8.15	128	218753	22.17	ng	99
33) 4-Chloroaniline	8.15	127	29629	7.47	ng	# 37
37) 2-Methylnaphthalene	8.85	142	62003	9.25	ng	99
45) 1,1'-Biphenyl	9.31	154	588401	64.81	ng	98
47) 2-Nitroaniline	9.41	65	10065	5.28	ng	# 25
48) Acenaphthylene	9.76	152	447091	42.19	ng	# 95
49) Dimethylphthalate	9.60	163	57531	7.20	ng	96
50) 2,6-Dinitrotoluene	9.58	165	9535	5.66	ng	# 1
51) Acenaphthene	9.95	154	1365403	215.18	ng	99
53) 2,4-Dinitrophenol	9.97	184	1274	6.21	ng	# 81
54) Dibenzofuran	10.10	168	86469	9.46	ng	# 88
55) 4-Nitrophenol	9.99	139	16049	12.57	ng	# 25
56) 2,4-Dinitrotoluene	10.06	165	18977	8.41	ng	# 47
57) Fluorene	10.46	166	1125206	151.37	ng	99
65) n-Nitrosodiphenylamine	10.56	169	36908	6.59	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	7092	3.99	ng	# 1
70) Phenanthrene	11.45	178	5108168	584.51	ng	99
71) Anthracene	11.45	178	5108168	577.53	ng	98
74) Fluoranthene	12.63	202	2313185	238.79	ng	98
77) Pyrene	12.87	202	3117983	464.66	ng	99
80) Benzo(a)anthracene	14.07	228	778728	126.83	ng	93
82) Chrysene	14.07	228	778728	136.56	ng	97
85) Indeno(1,2,3-cd)pyrene	17.02	276	358850	70.78	ng	# 88
87) Benzo(b)fluoranthene	15.09	252	890408	129.49	ng	99
88) Benzo(k)fluoranthene	15.09	252	890408	131.43	ng	98
89) Benzo(a)pyrene	15.47	252	842014	134.69	ng	98
90) Dibenzo(a,h)anthracene	17.01	278	103397	18.76	ng	# 79
91) Benzo(a,h,i)perylene	17.71	276	210645	40.56	ng	94

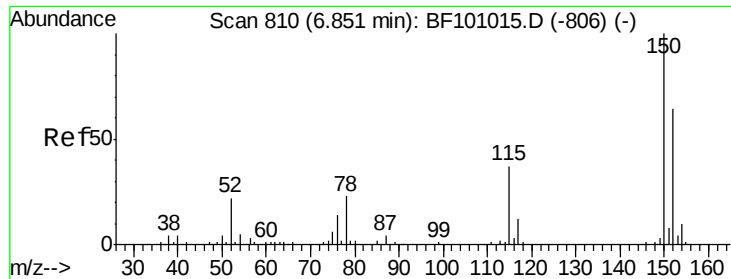
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101114.D
Acq On : 5 Dec 2017 10:40
Operator : SJ/JU
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QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

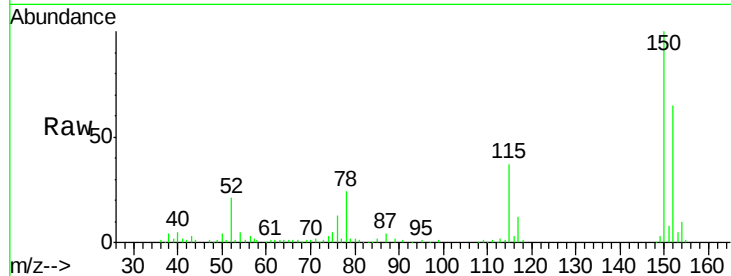


#1

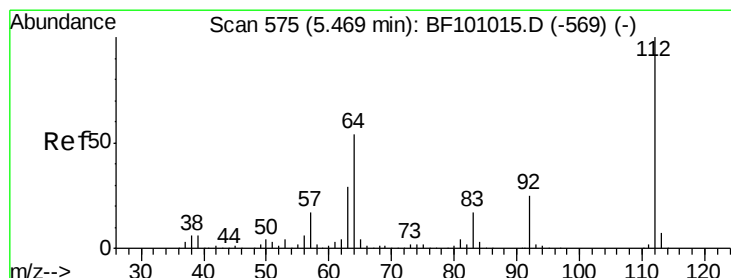
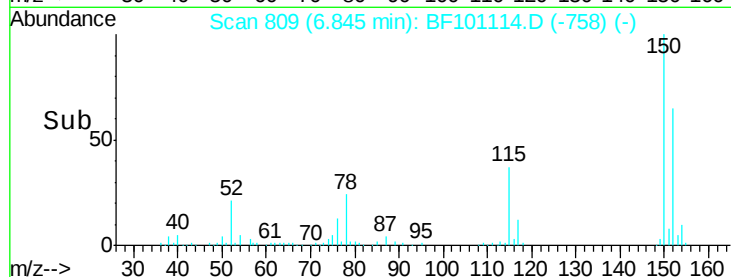
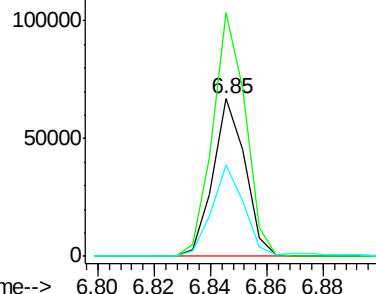
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 52728
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 57.8 50.1 75.1



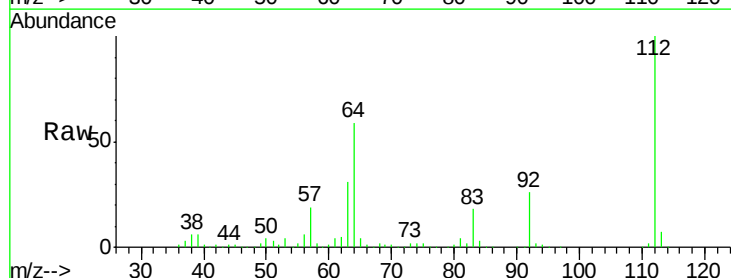
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



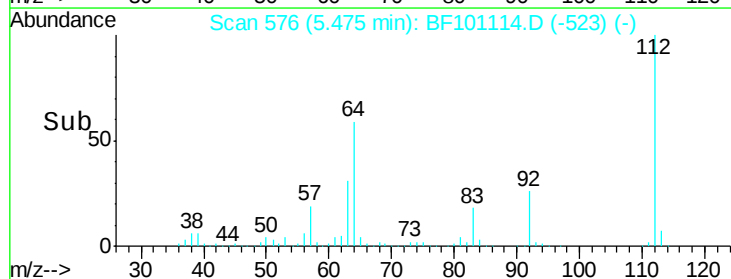
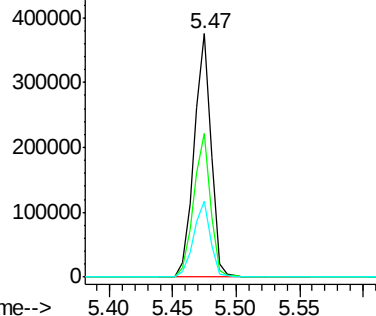
#5

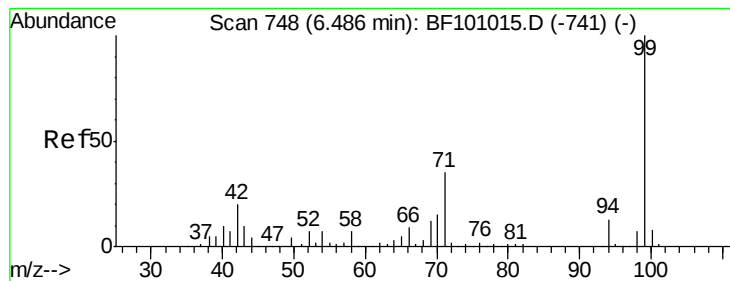
2-Fluorophenol
Concen: 109.72 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:112 Resp: 350115
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 31.0 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: 107.75 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

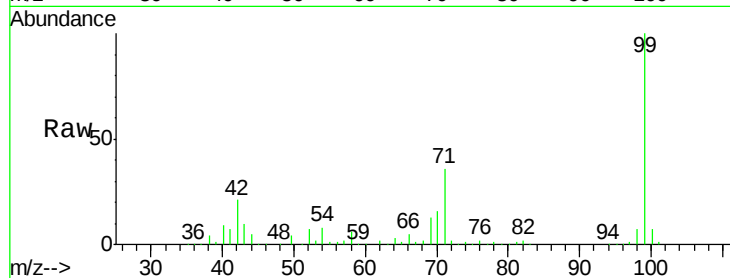
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 417420

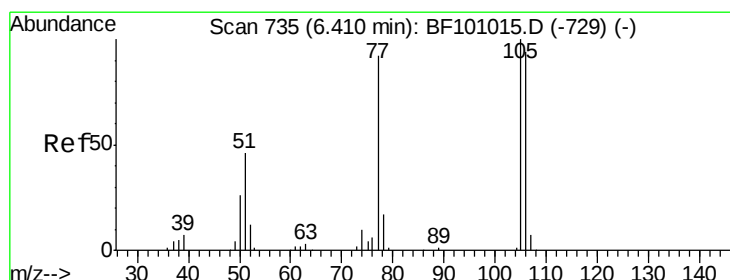
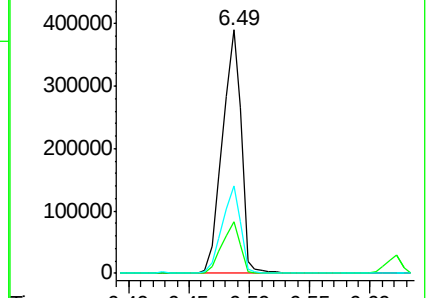
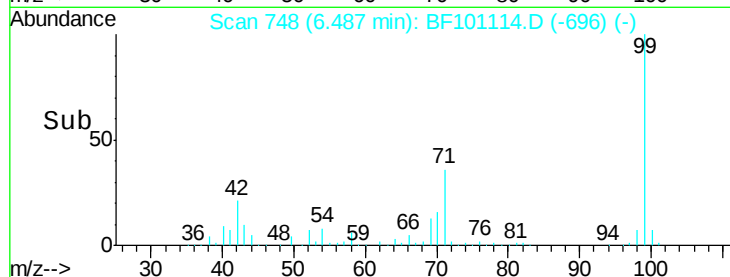
Ion	Ratio	Lower	Upper
99	100		
42	21.3	14.5	21.7
71	36.0	25.4	38.0



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



#9

Benzaldehyde

Concen: 3.46 ng

RT: 6.62 min Scan# 771

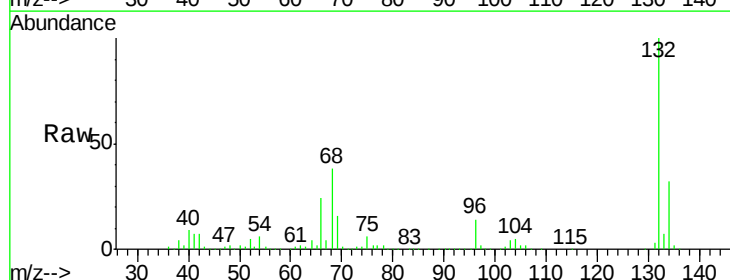
Delta R.T. 0.22 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Tgt Ion: 77 Resp: 8194

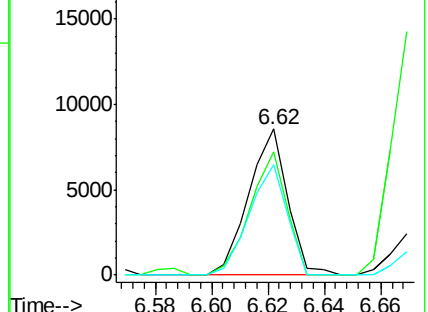
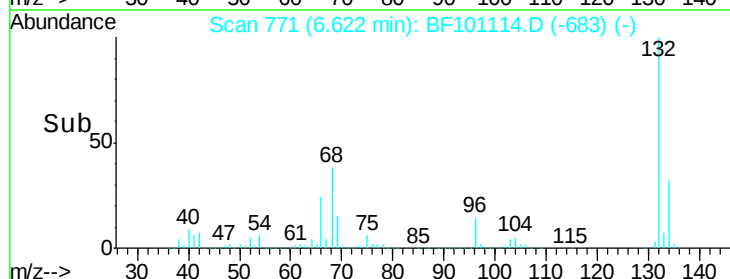
Ion	Ratio	Lower	Upper
77	100		
105	84.7	81.1	121.1
106	75.3	74.5	114.5

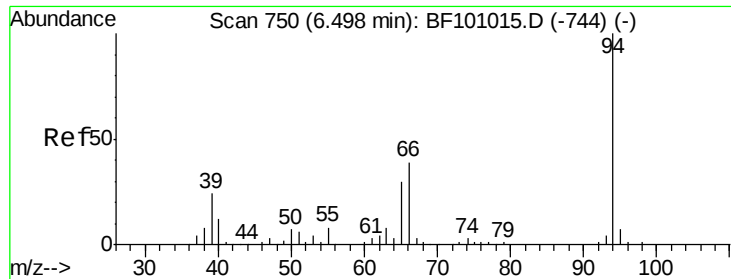


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

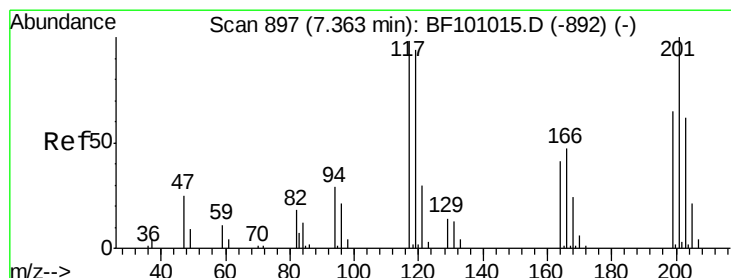
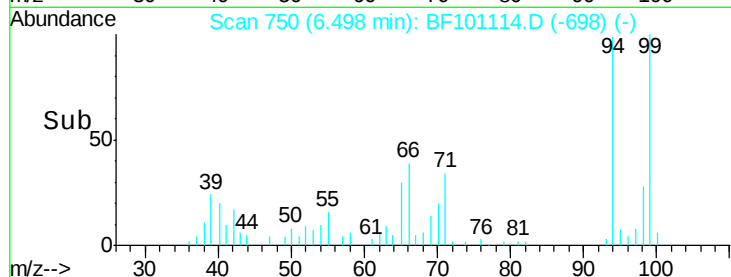
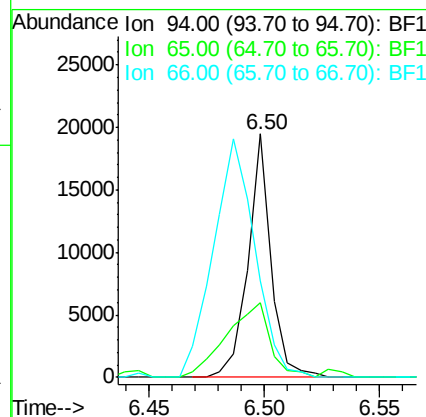
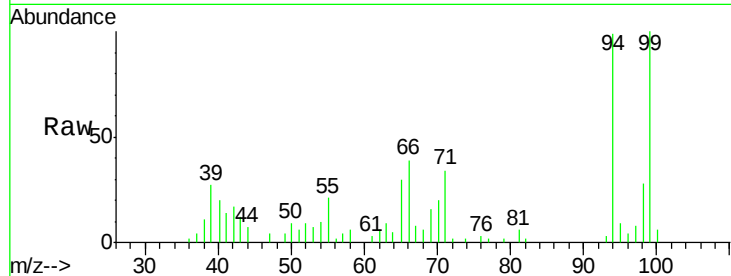




#10
Phenol
Concen: 3.15 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

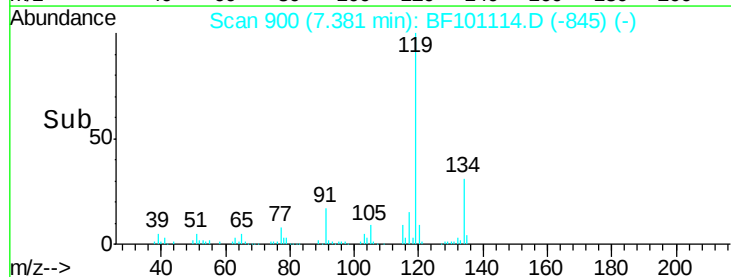
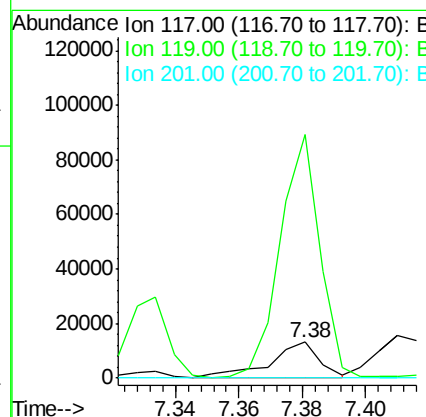
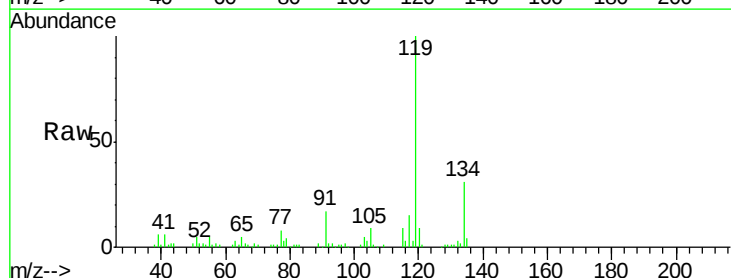
Instrument :
BNA_F
ClientSampled :

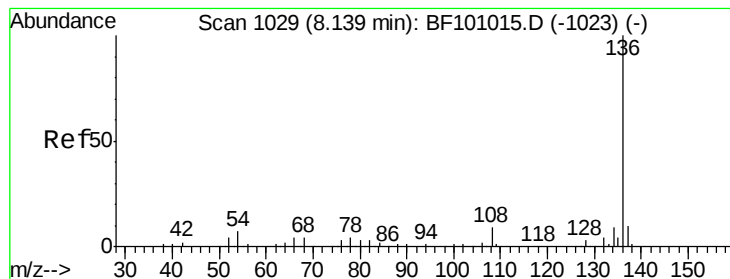
Tot Ion: 94 Resp: 13572
Ion Ratio Lower Upper
94 100
65 30.5 7.9 47.9
66 39.8 16.2 56.2



#18
Hexachloroethane
Concen: 10.12 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.02 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion: 117 Resp: 13636
Ion Ratio Lower Upper
117 100
119 683.5 75.8 113.8#
201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 200193

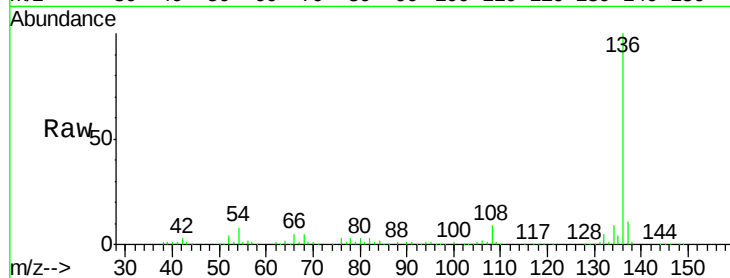
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.9 6.6 9.8

68 5.4 5.0 7.4

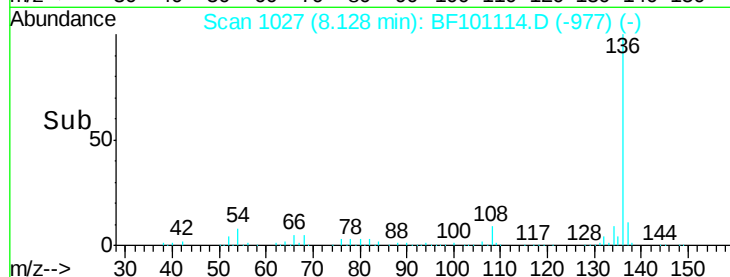


Abundance Ion 136.00 (135.70 to 136.70): E

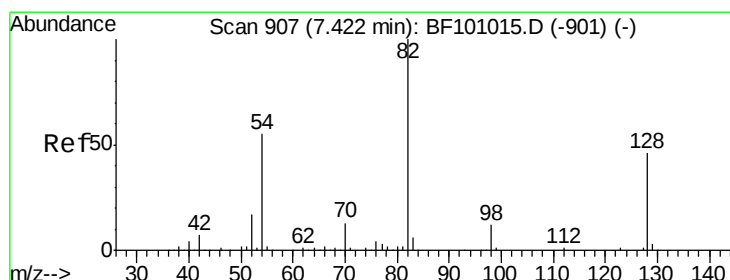
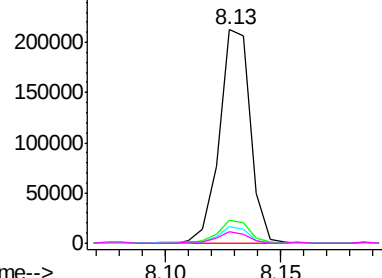
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 76.47 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

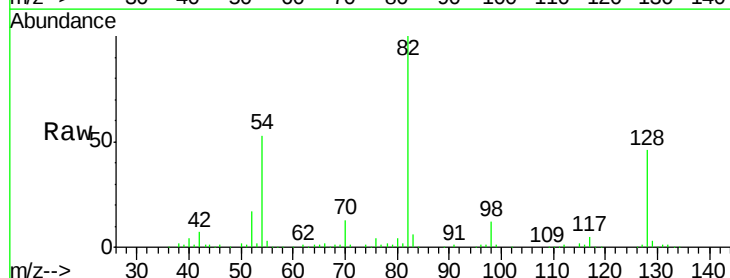
Tgt Ion: 82 Resp: 256625

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

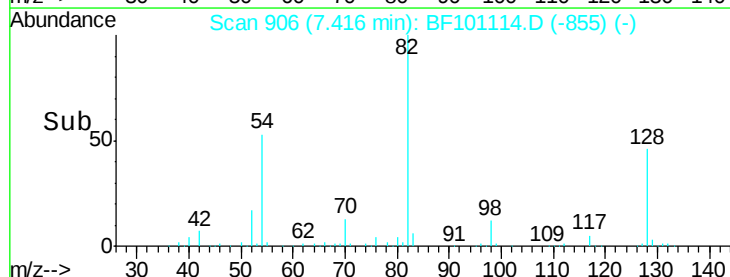
54 53.2 41.4 62.2



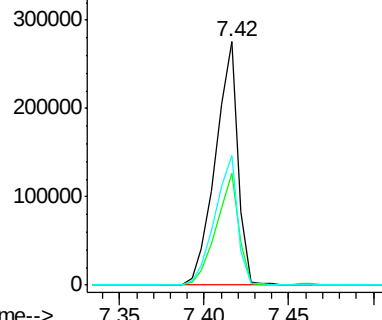
Abundance Ion 82.00 (81.70 to 82.70): BF1

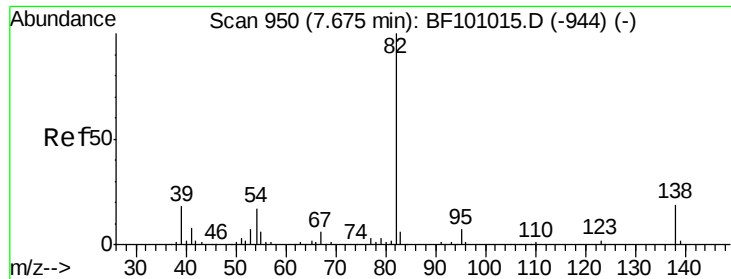
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 44.37 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

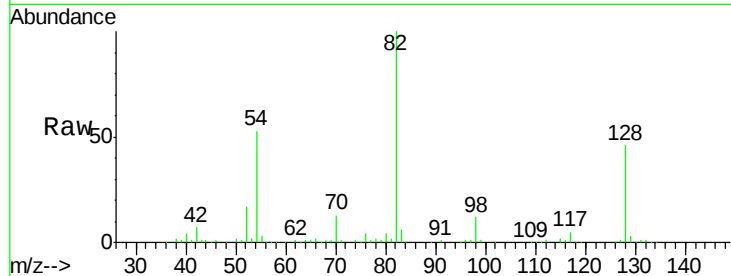
Tot Ion: 82 Resp: 254328

Ion Ratio Lower Upper

82 100

95 0.4 5.2 7.8#

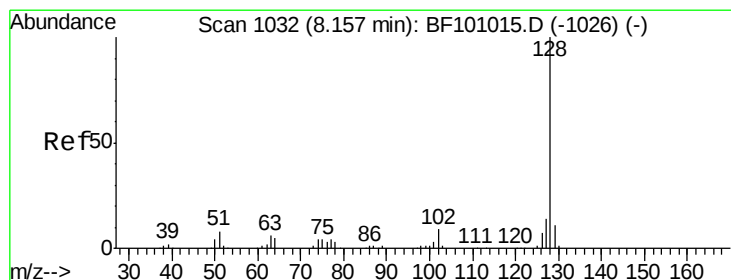
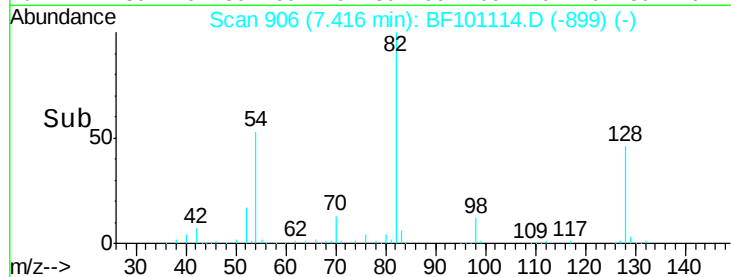
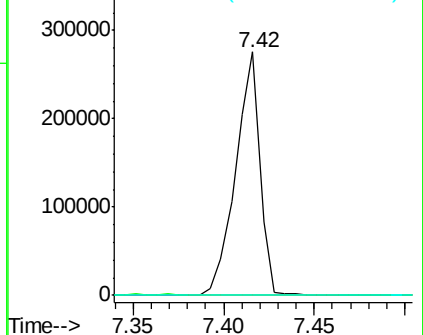
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 22.17 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

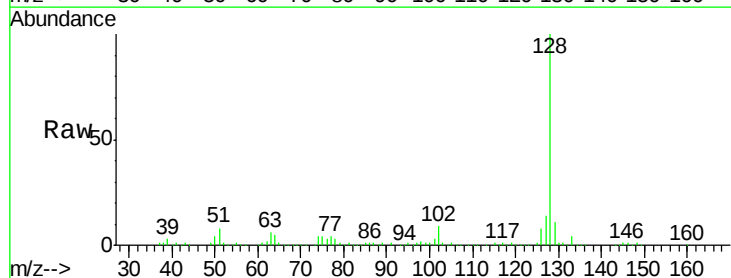
Tgt Ion: 128 Resp: 218753

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

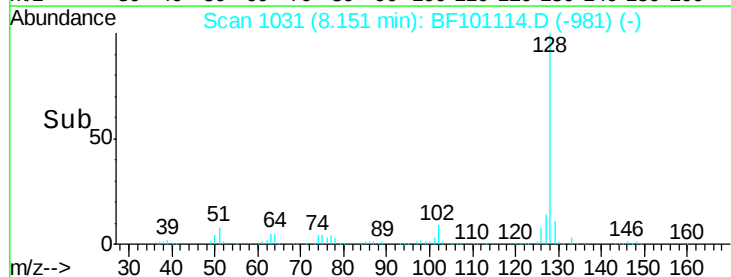
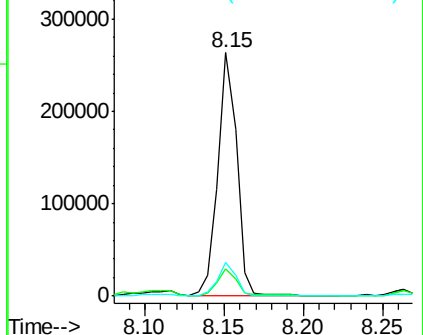
127 13.8 10.9 16.3

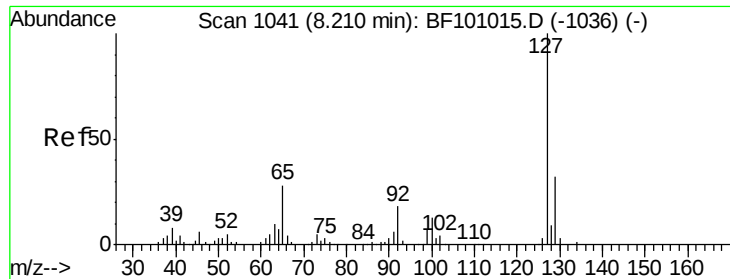


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

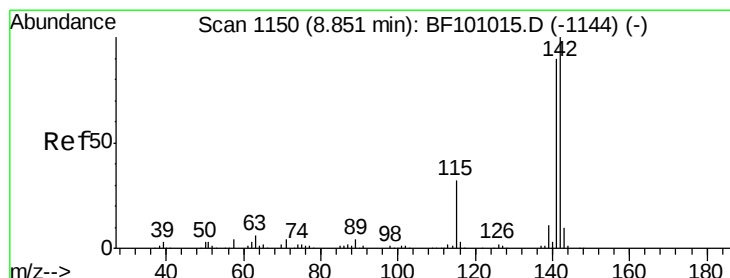
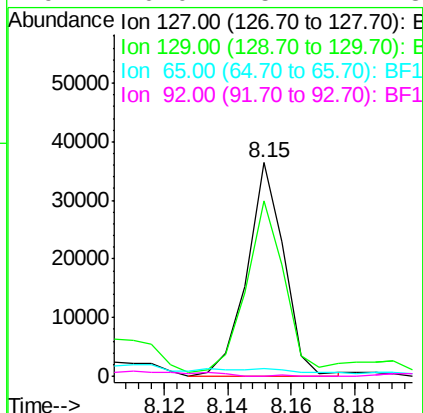
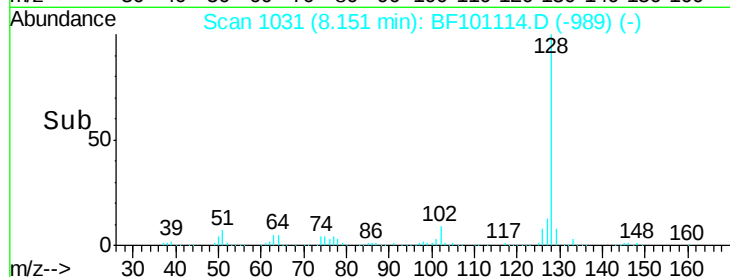
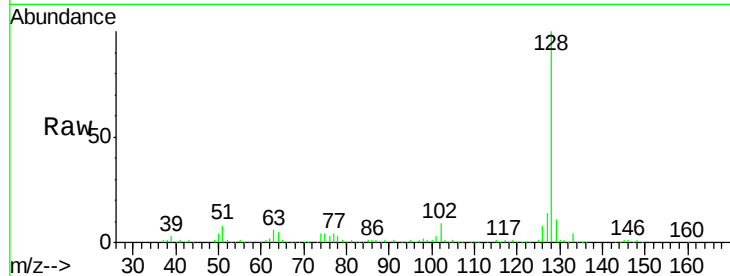




#33
4-Chloroaniline
Concen: 7.47 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

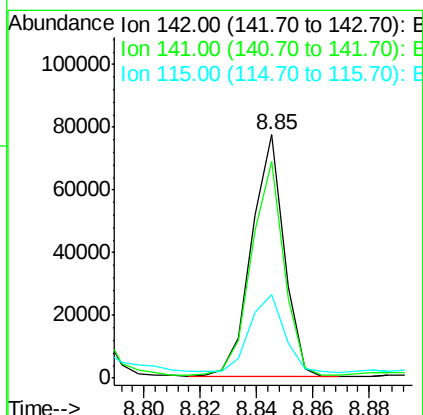
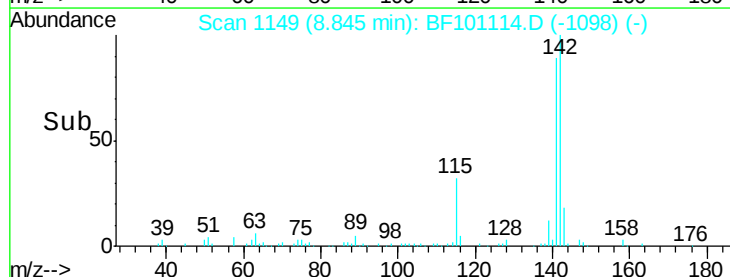
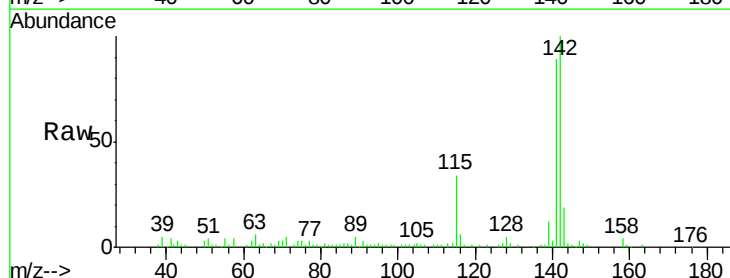
Instrument :
BNA_F
ClientSampleId :

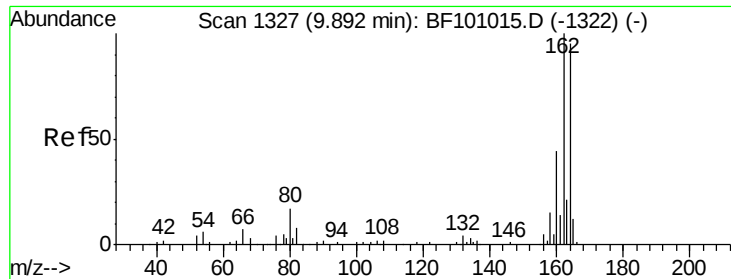
Tot Ion:127 Resp: 29629
Ion Ratio Lower Upper
127 100
129 82.2 25.9 38.9#
65 3.8 25.0 37.4#
92 0.0 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 9.25 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:142 Resp: 62003
Ion Ratio Lower Upper
142 100
141 89.0 70.8 106.2
115 34.1 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

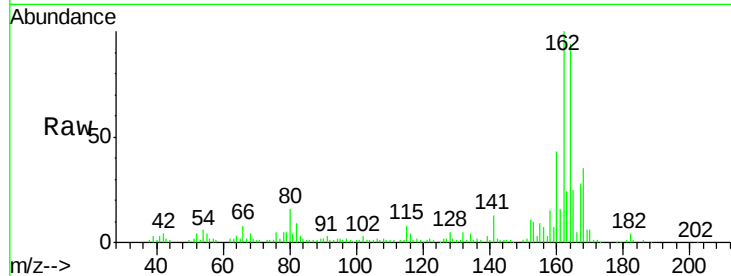
Tot Ion:164 Resp: 99100

Ion Ratio Lower Upper

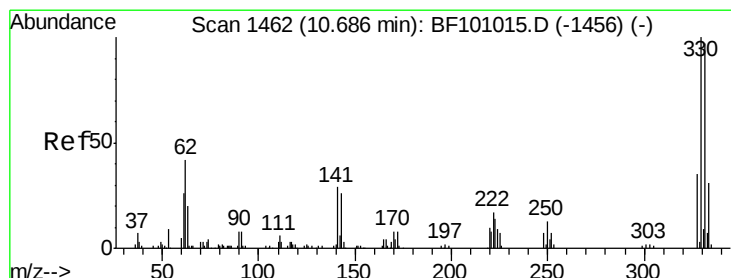
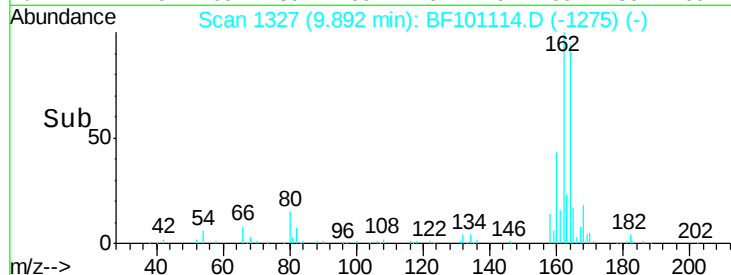
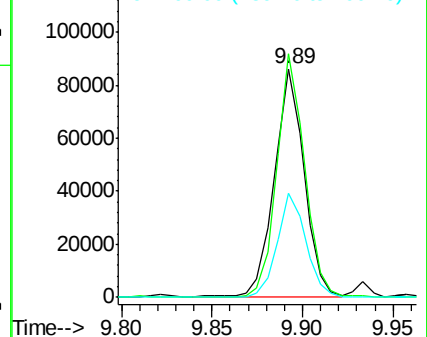
164 100

162 106.6 86.1 129.1

160 45.6 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: 93.15 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

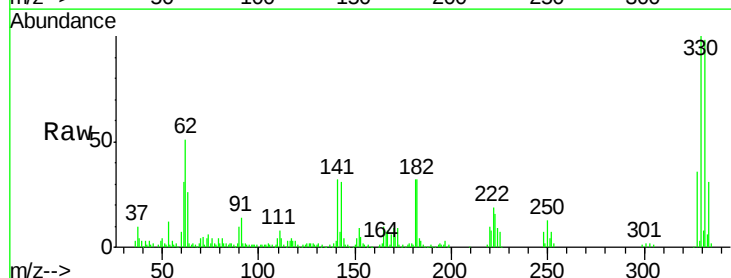
Tgt Ion:330 Resp: 110887

Ion Ratio Lower Upper

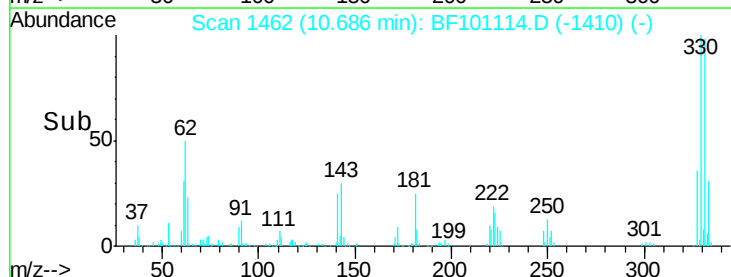
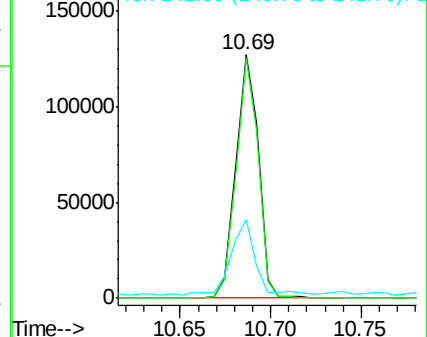
330 100

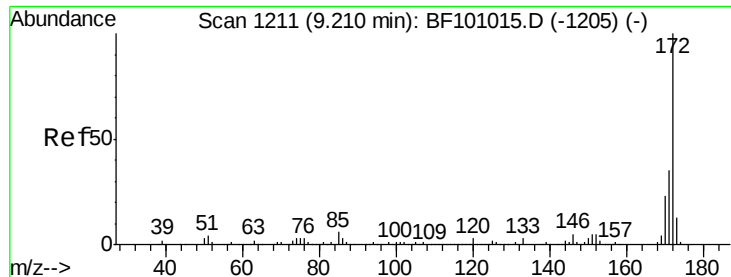
332 96.1 77.0 115.6

141 31.9 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

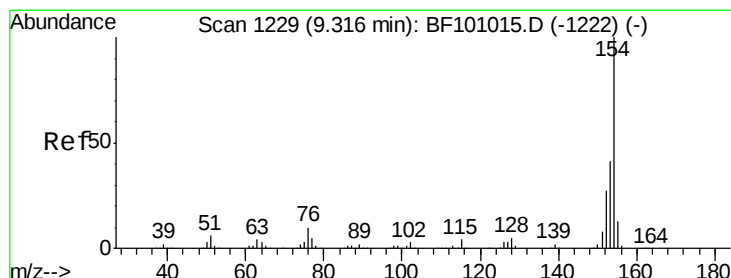
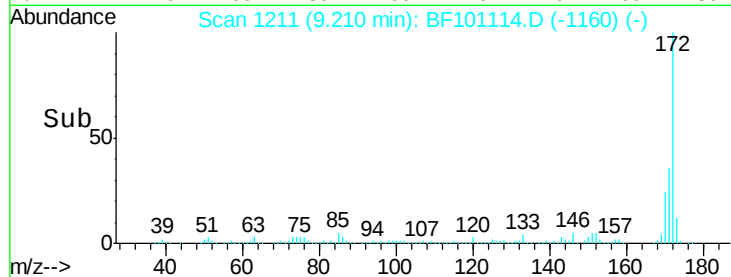
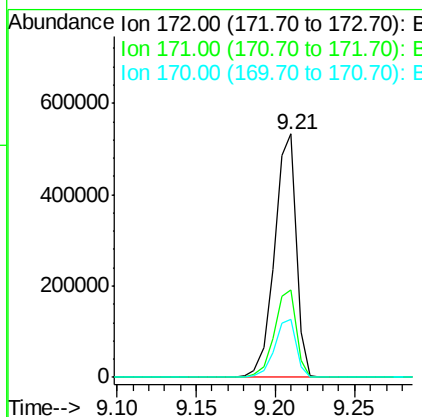
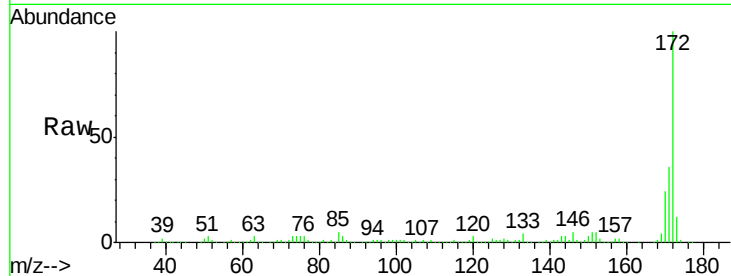




#44
 2-Fluorobiphenyl
 Concen: 70.39 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF101114.D
 Acq: 5 Dec 2017 10:40

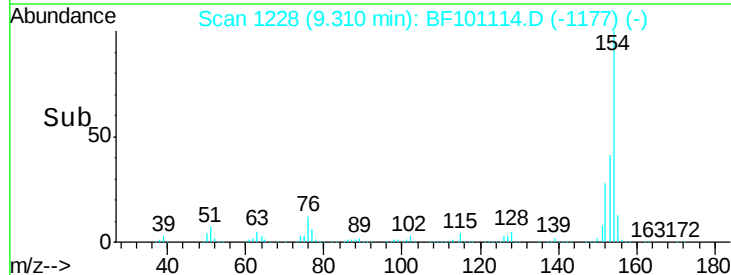
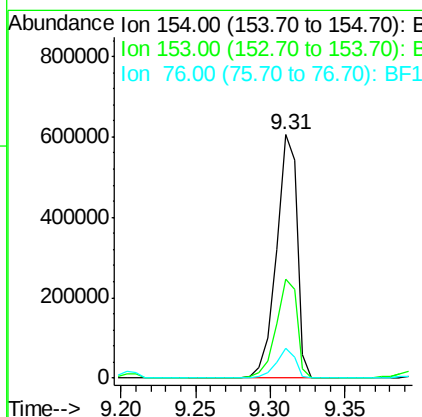
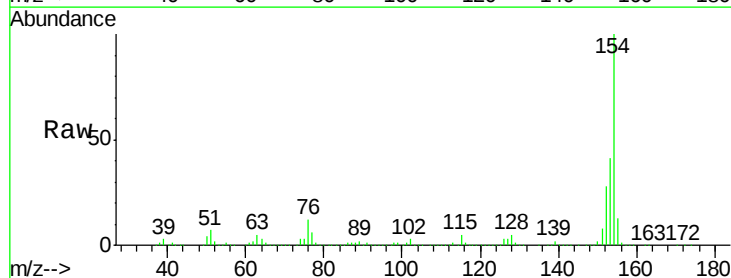
Instrument :
 BNA_F
 ClientSampleId :

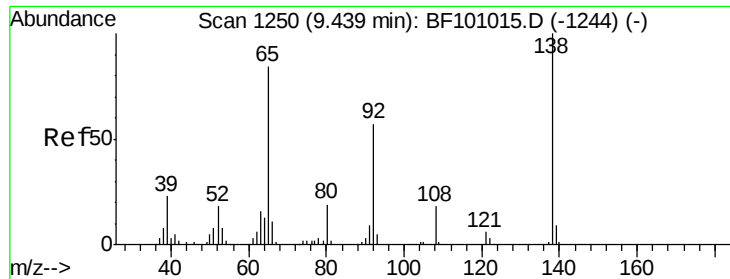
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.9	19.6	29.4



#45
 1,1'-Biphenyl
 Concen: 64.81 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF101114.D
 Acq: 5 Dec 2017 10:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.3	61.3
76	12.3	0.0	34.0

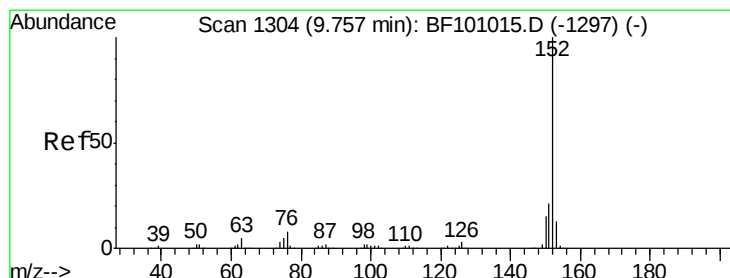
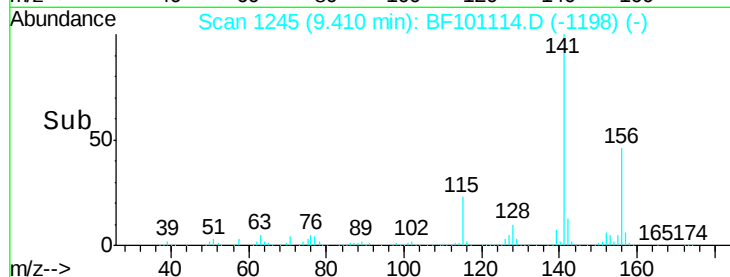
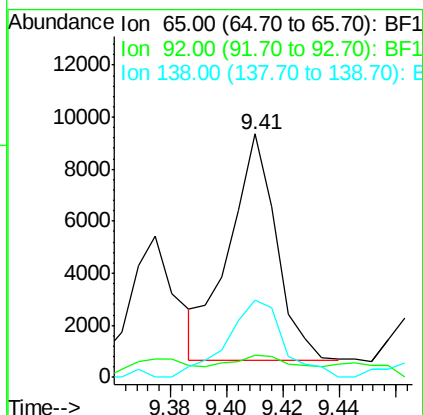
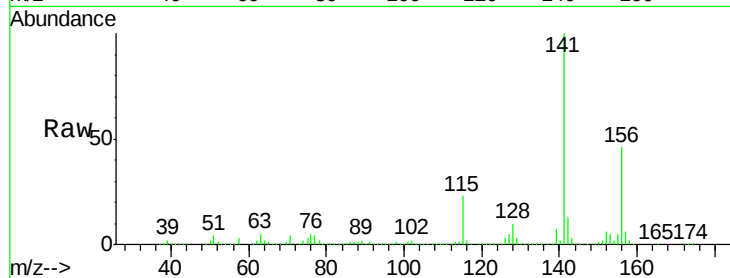




#47
2-Nitroaniline
Concen: 5.28 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

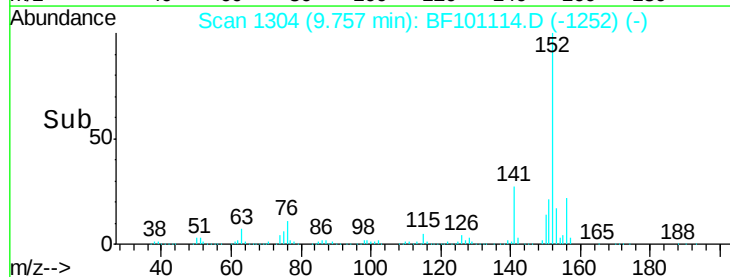
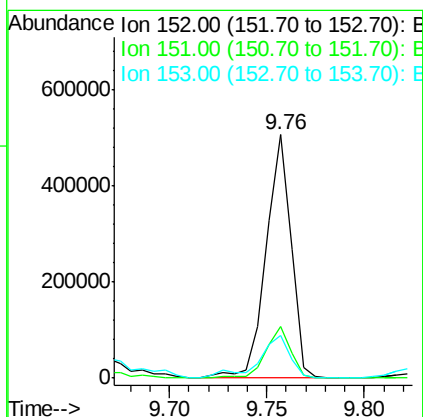
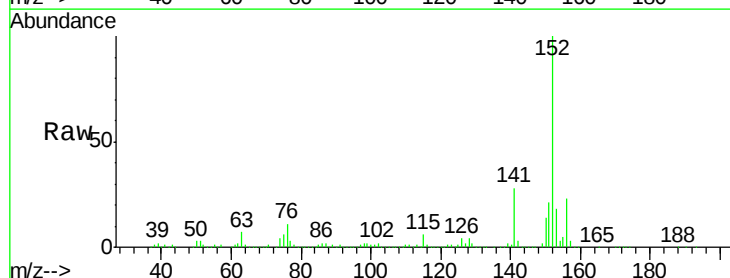
Instrument :
BNA_F
ClientSampleId :

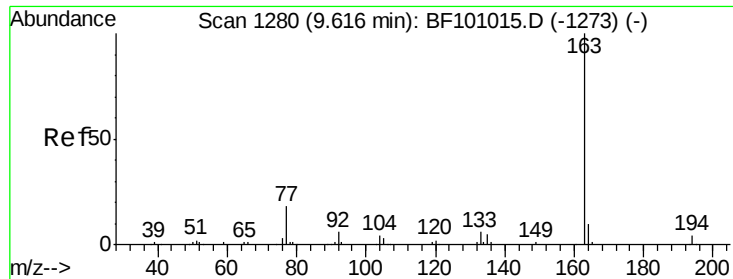
Tot Ion: 65 Resp: 10065
Ion Ratio Lower Upper
65 100
92 9.2 55.8 83.6#
138 31.9 91.2 136.8#



#48
Acenaphthylene
Concen: 42.19 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion: 152 Resp: 447091
Ion Ratio Lower Upper
152 100
151 21.0 16.3 24.5
153 17.6 10.7 16.1#

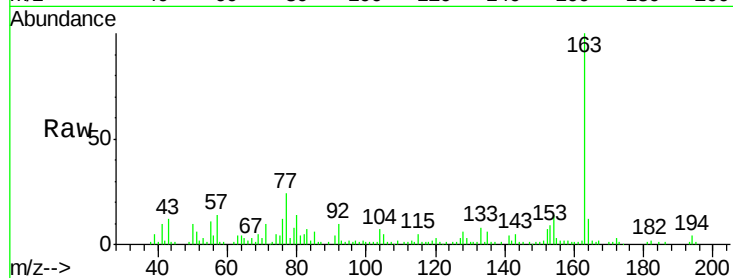




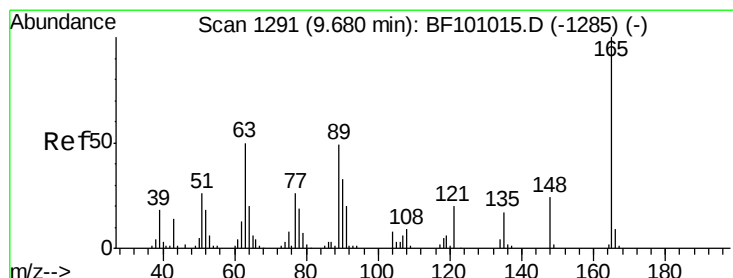
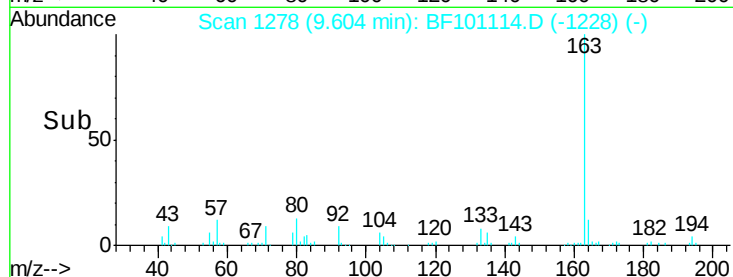
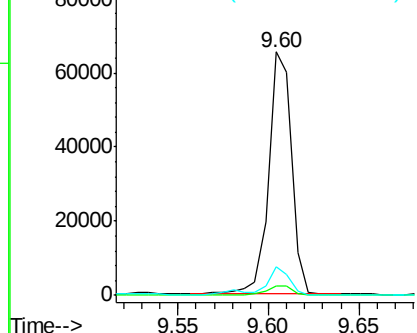
#49
Dimethylphthalate
Concen: 7.20 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 57531
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 11.8 8.2 12.2

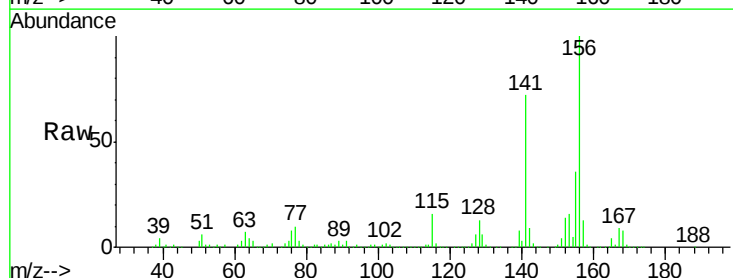


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

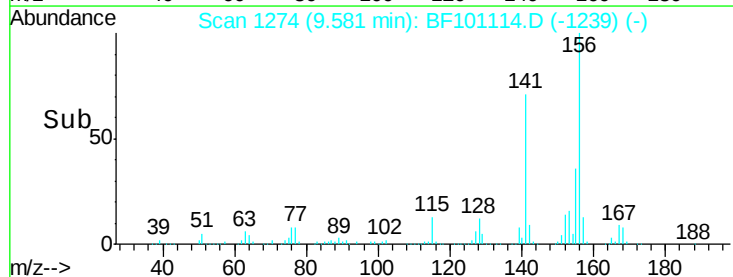
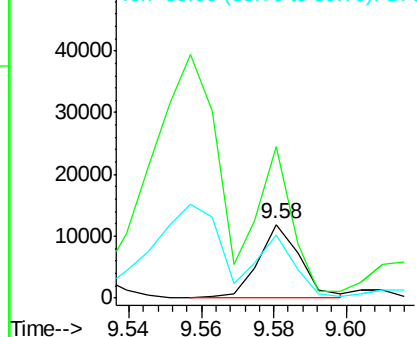


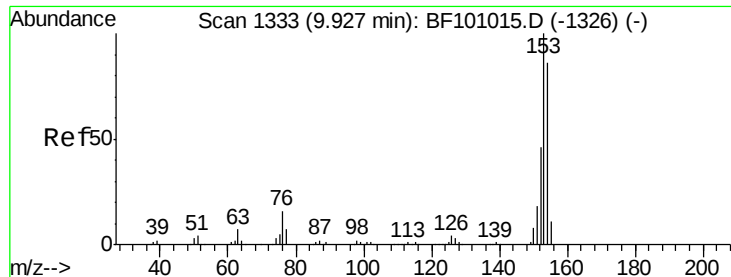
#50
2,6-Dinitrotoluene
Concen: 5.66 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.09 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:165 Resp: 9535
Ion Ratio Lower Upper
165 100
63 205.6 44.7 67.1#
89 86.7 44.0 66.0#



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





#51

Acenaphthene

Concen: 215.18 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.02 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

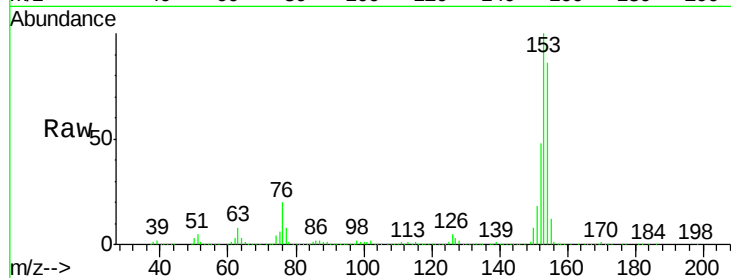
Tot Ion:154 Resp: 1365403

Ion Ratio Lower Upper

154 100

153 115.6 91.2 136.8

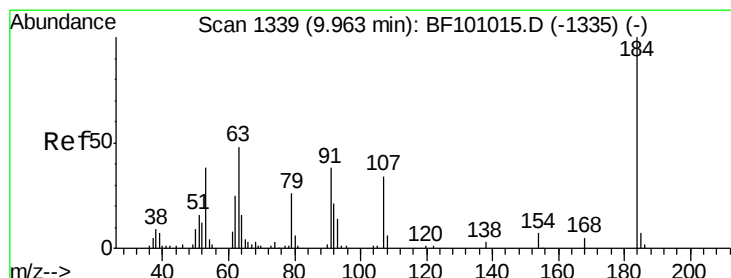
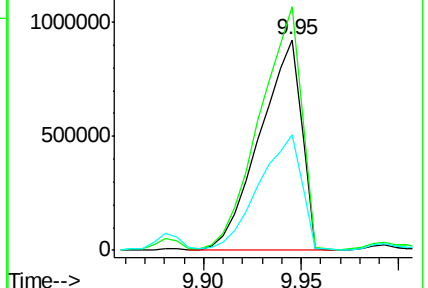
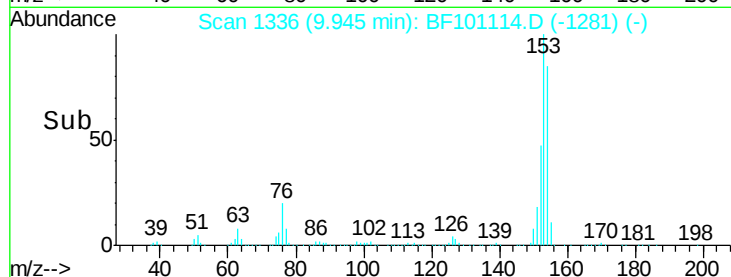
152 55.1 43.8 65.8



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: 6.21 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

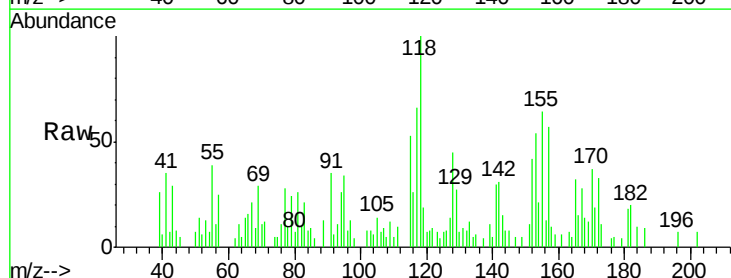
Tgt Ion:184 Resp: 1274

Ion Ratio Lower Upper

184 100

63 119.7 54.2 81.2#

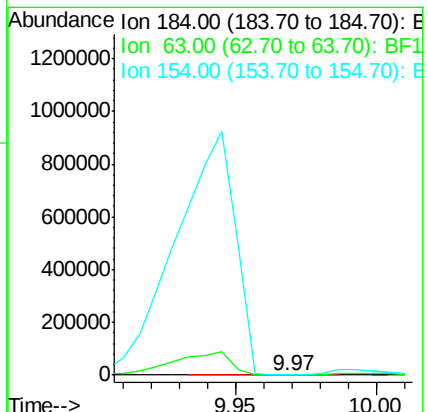
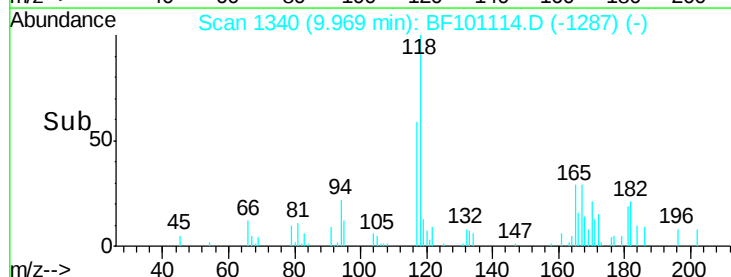
154 220.9 184.0 276.0

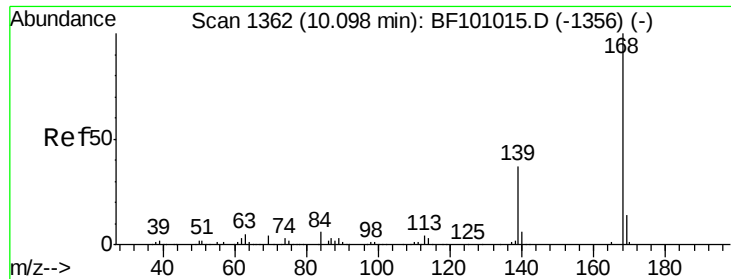


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 9.46 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

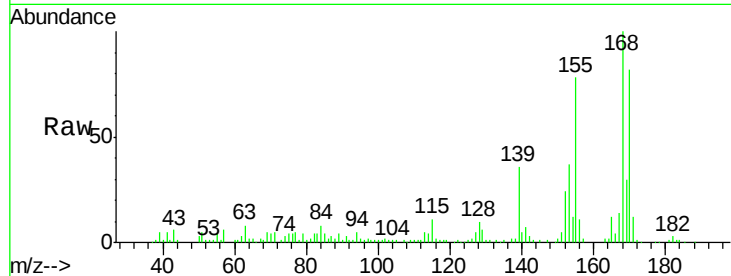
Tot Ion:168 Resp: 86469

Ion Ratio Lower Upper

168 100

139 36.2 30.1 45.1

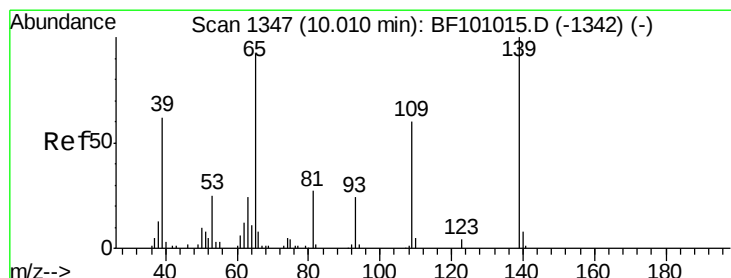
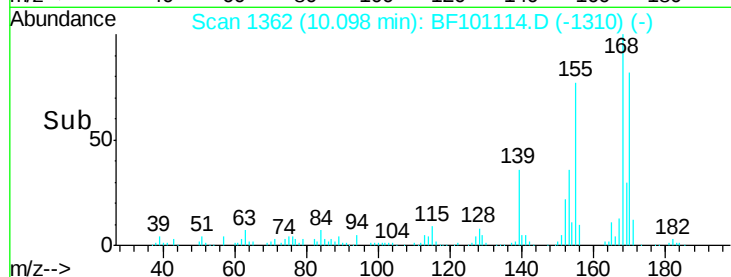
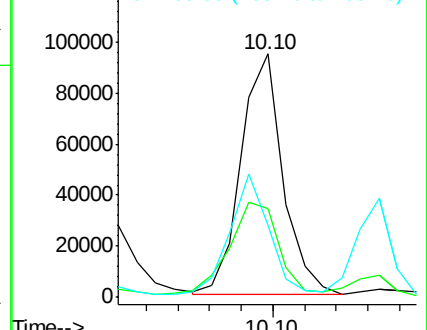
169 29.7 10.9 16.3#



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: 12.57 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

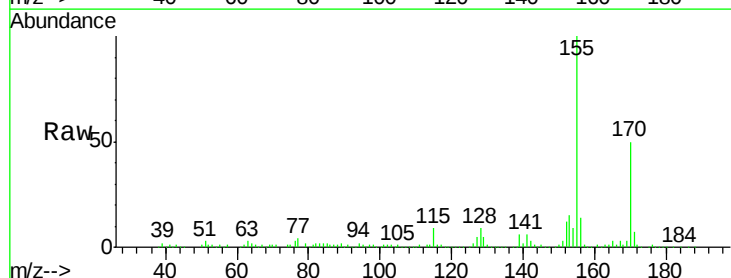
Tgt Ion:139 Resp: 16049

Ion Ratio Lower Upper

139 100

109 8.1 48.4 88.4#

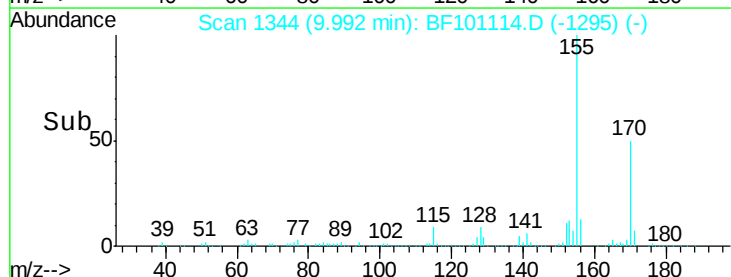
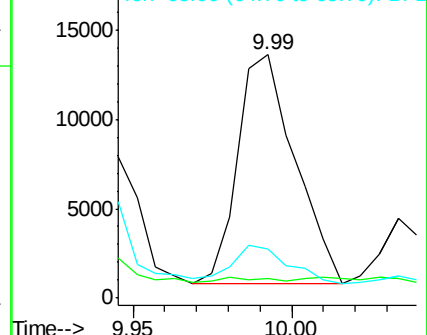
65 20.3 72.6 112.6#

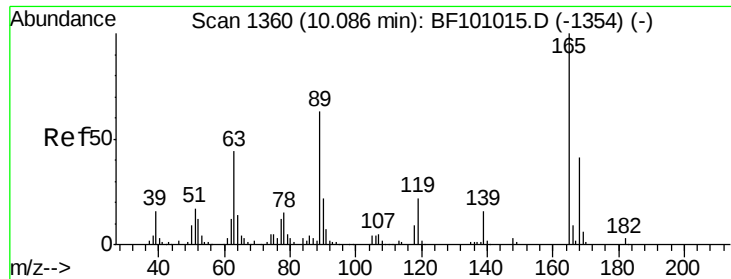


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

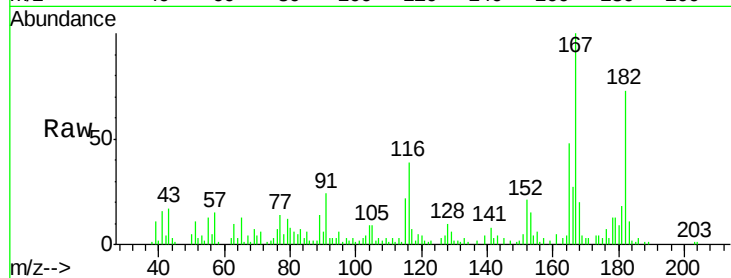




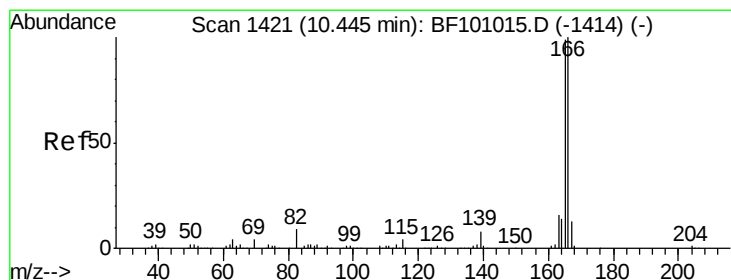
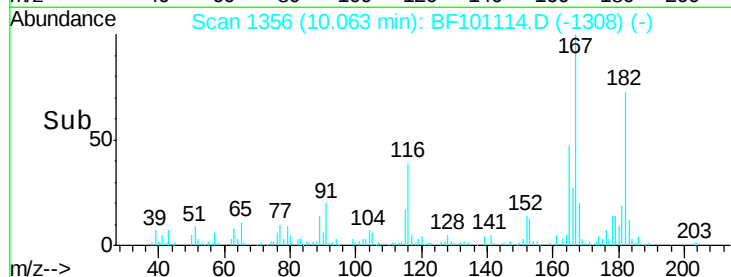
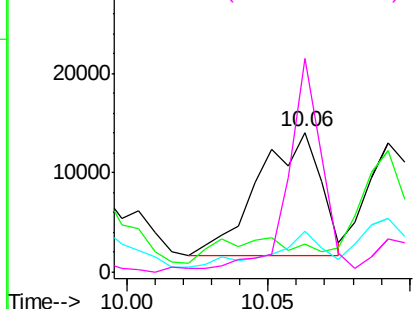
#56
2,4-Dinitrotoluene
Concen: 8.41 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 18977
Ion Ratio Lower Upper
165 100
63 20.0 36.4 54.6#
89 29.7 57.8 86.6#
182 152.8 1.6 2.4#

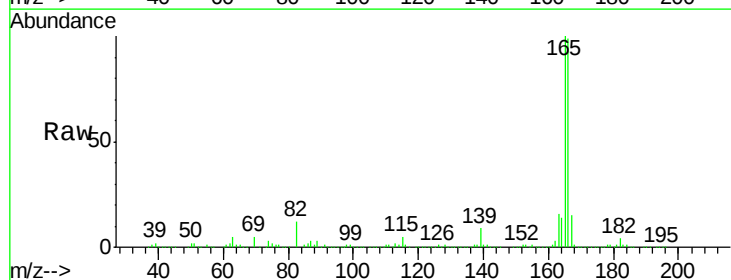


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

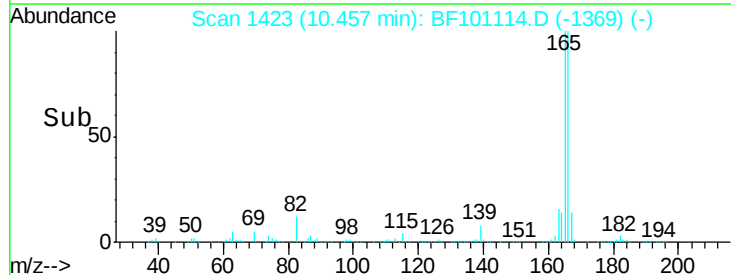
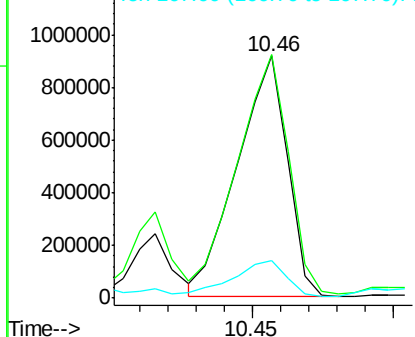


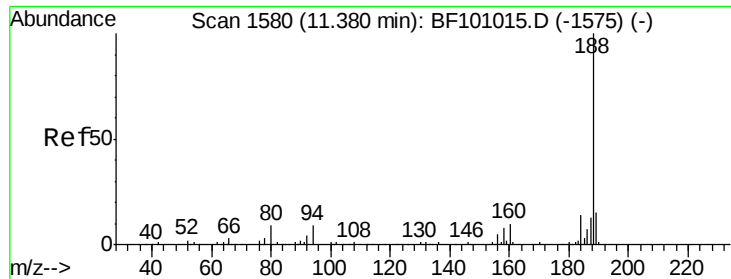
#57
Fluorene
Concen: 151.37 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.02 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:166 Resp: 1125206
Ion Ratio Lower Upper
166 100
165 100.7 79.8 119.8
167 15.6 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

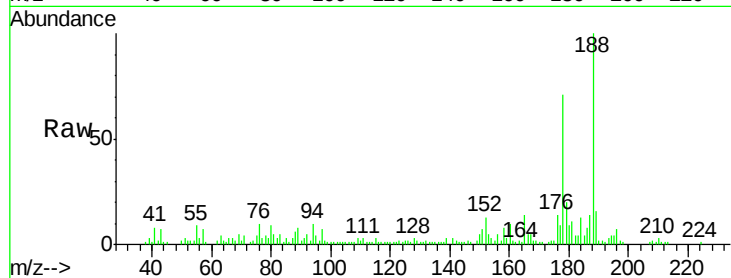




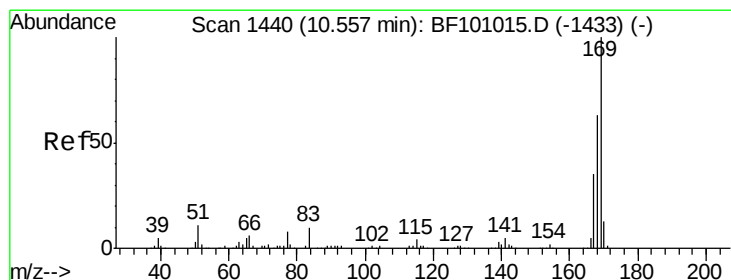
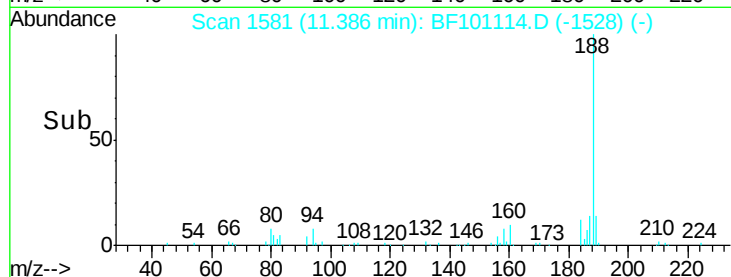
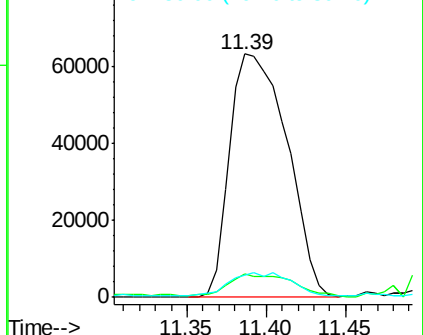
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 158694
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 9.2 9.2 13.8

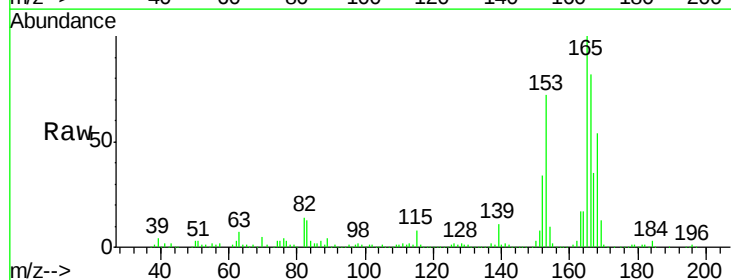


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

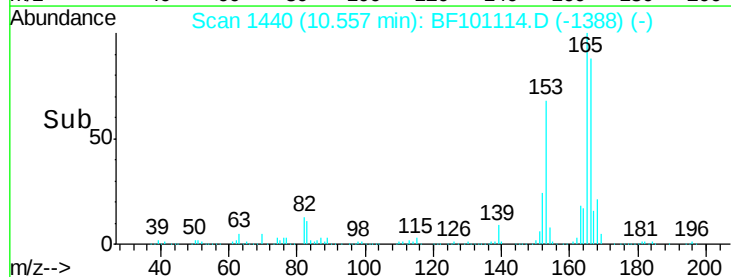
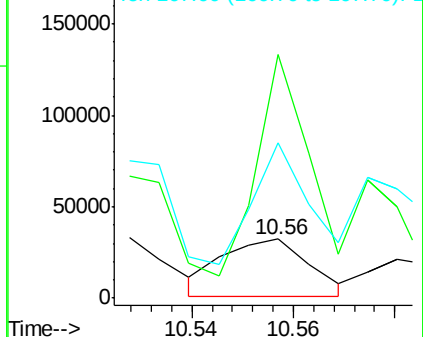


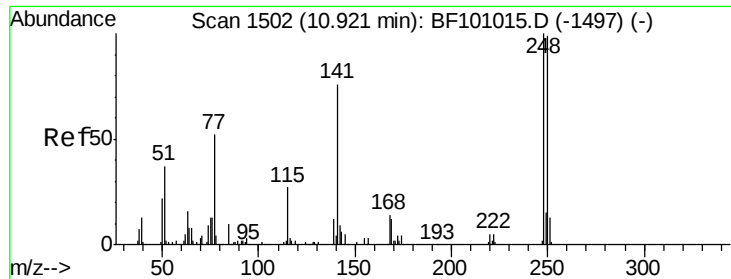
#65
n-Nitrosodiphenylamine
Concen: 6.59 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:169 Resp: 36908
Ion Ratio Lower Upper
169 100
168 412.8 54.4 81.6#
167 263.8 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

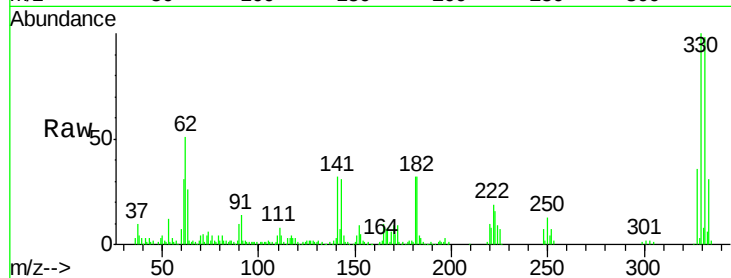




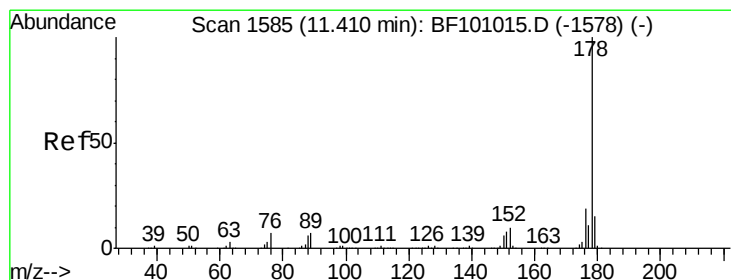
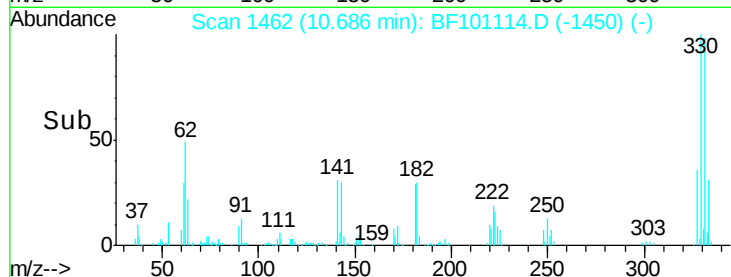
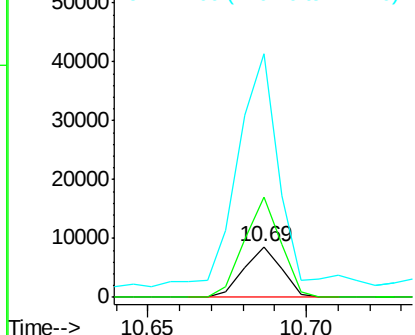
#66
4-Bromophenyl-phenylether
Concen: 3.99 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.23 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7092
Ion Ratio Lower Upper
248 100
250 197.3 76.9 115.3#
141 479.1 74.4 111.6#

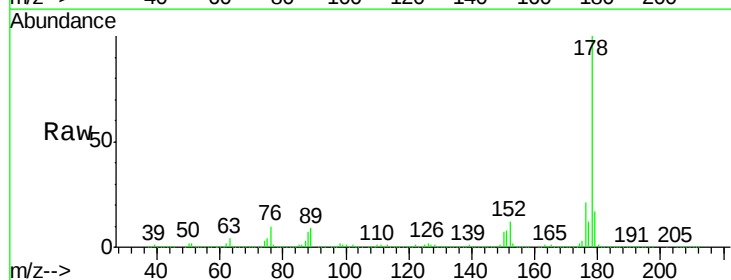


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

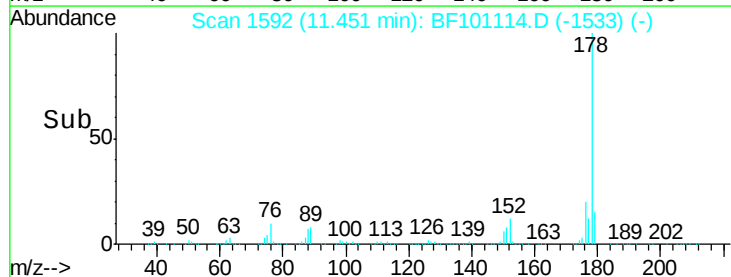
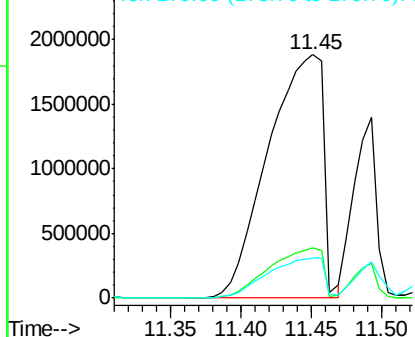


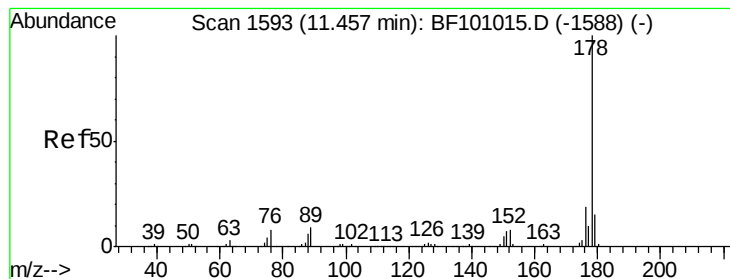
#70
Phenanthrene
Concen: 584.51 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.05 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:178 Resp: 5108168
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 16.6 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: 577.53 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

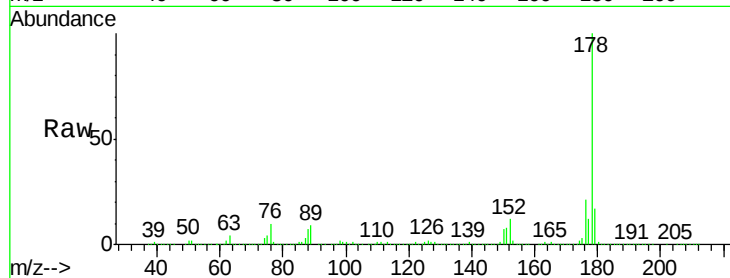
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 5108168

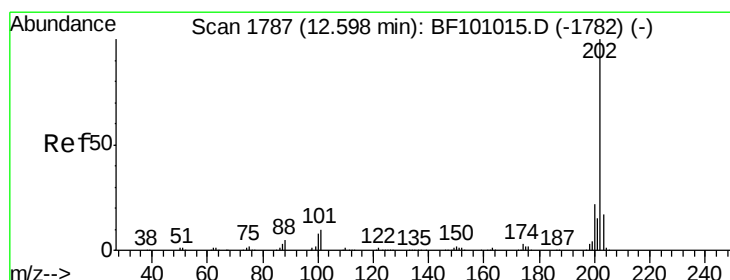
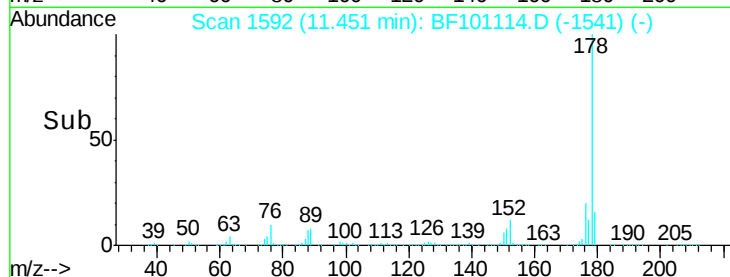
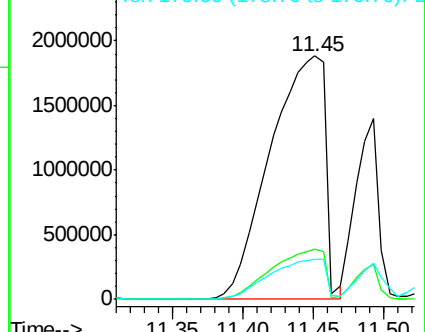
Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	16.6	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 238.79 ng

RT: 12.63 min Scan# 1792

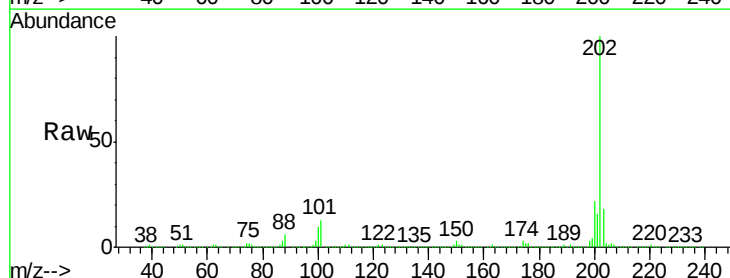
Delta R.T. 0.04 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Tgt Ion:202 Resp: 2313185

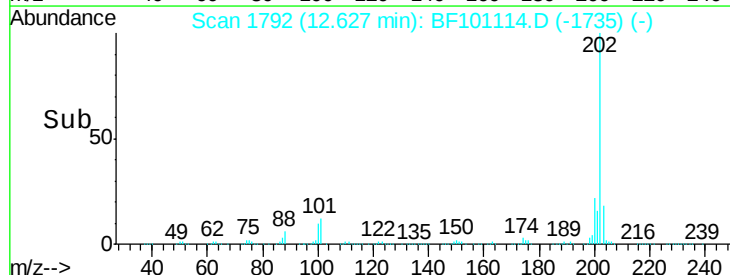
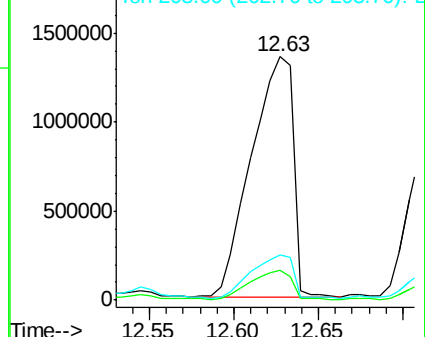
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	18.4	0.0	38.1

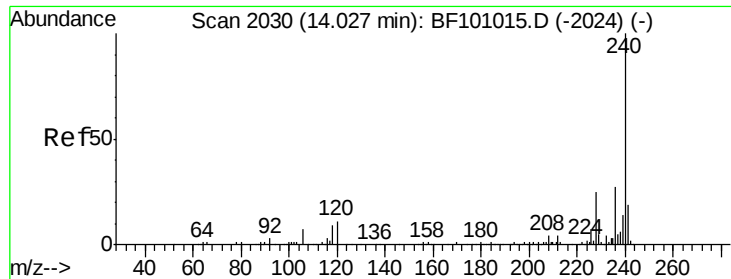


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 2033

Delta R.T. 0.02 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

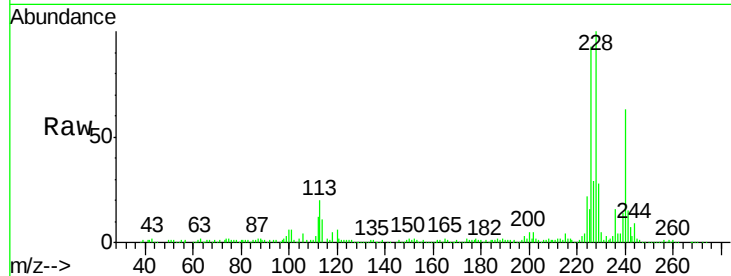
Tot Ion:240 Resp: 97246

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

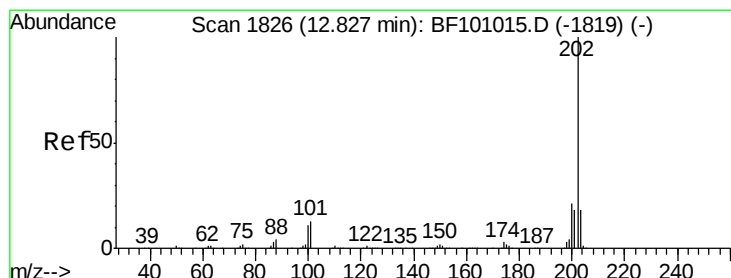
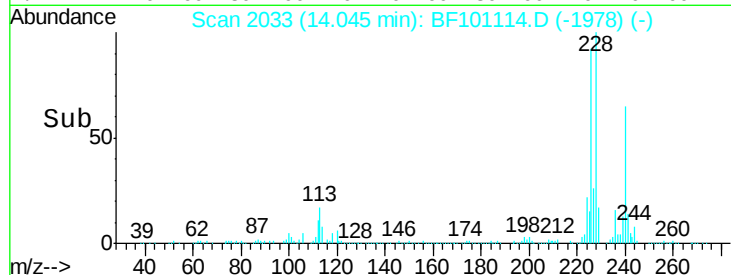
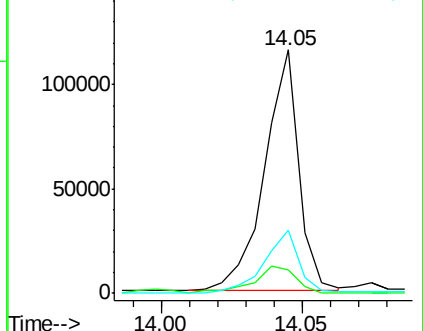
236 25.8 20.7 31.1



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

Pyrene

Concen: 464.66 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.05 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

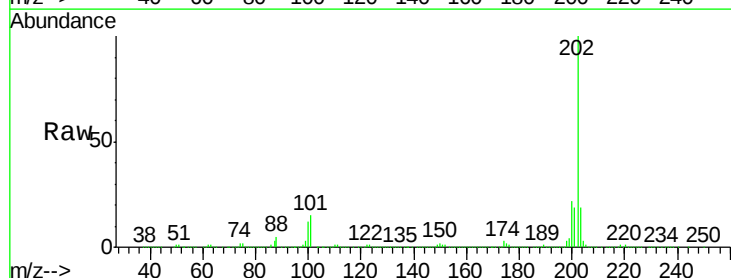
Tgt Ion:202 Resp: 3117983

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

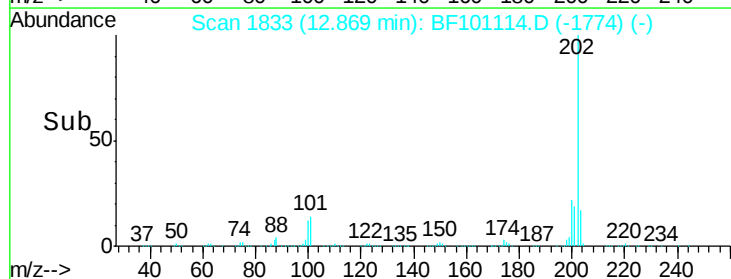
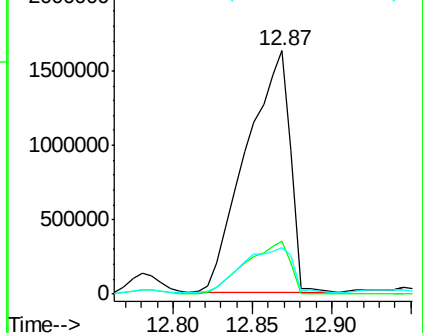
203 19.1 14.3 21.5

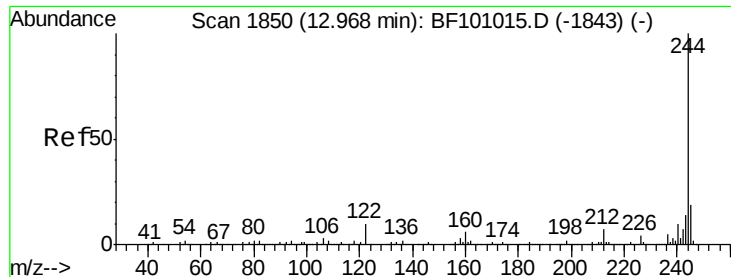


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 98.76 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

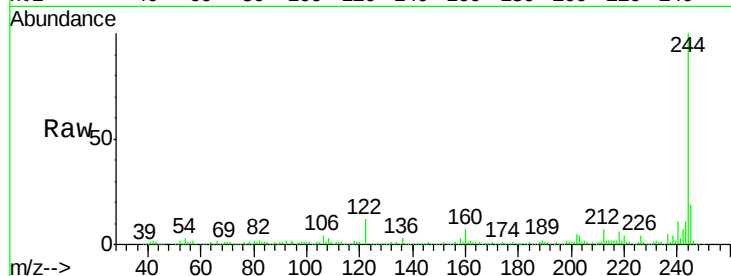
Tot Ion:244 Resp: 439075

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

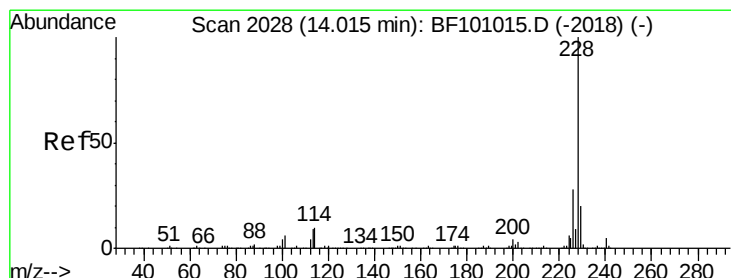
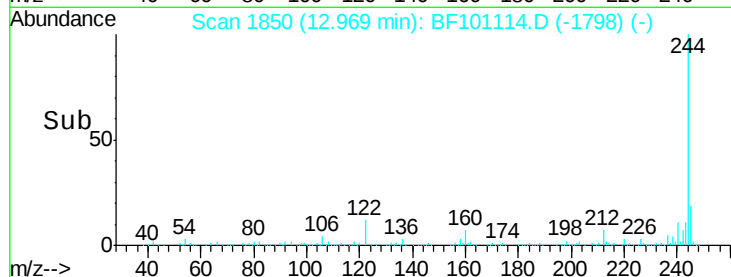
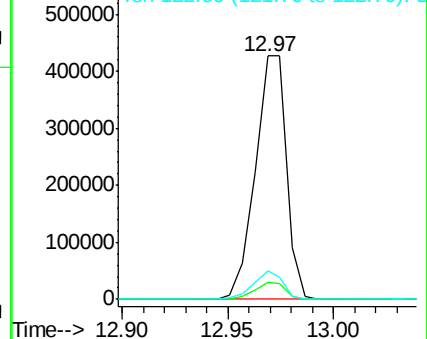
122 11.8 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 126.83 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.07 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

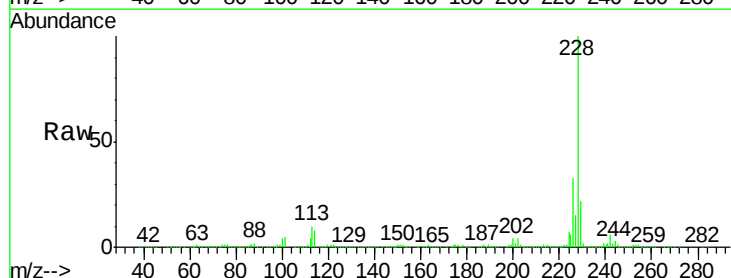
Tgt Ion:228 Resp: 778728

Ion Ratio Lower Upper

228 100

226 33.0 22.6 33.8

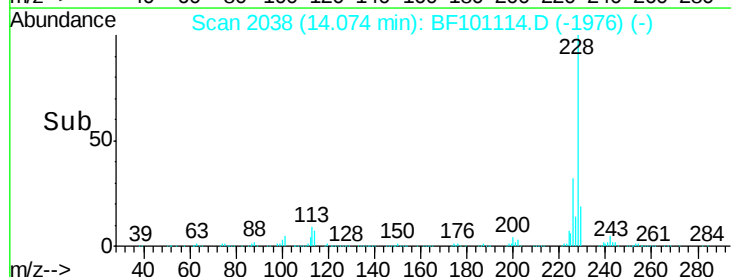
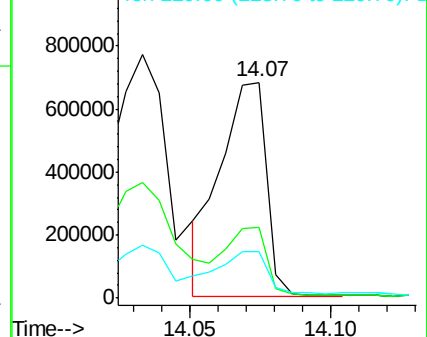
229 21.8 15.8 23.6

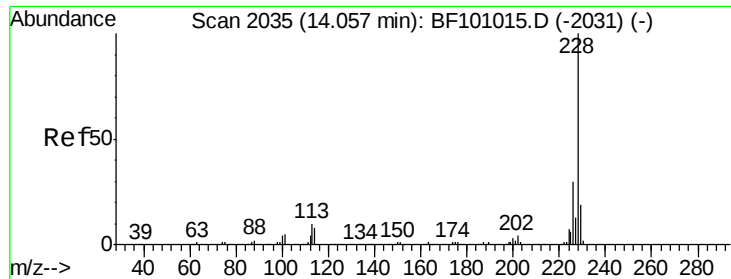


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 136.56 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

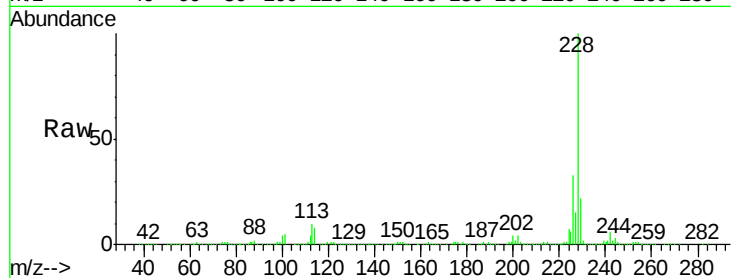
Tot Ion:228 Resp: 778728

Ion Ratio Lower Upper

228 100

226 33.0 25.0 37.6

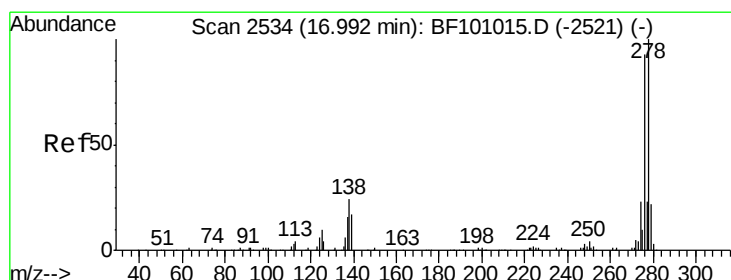
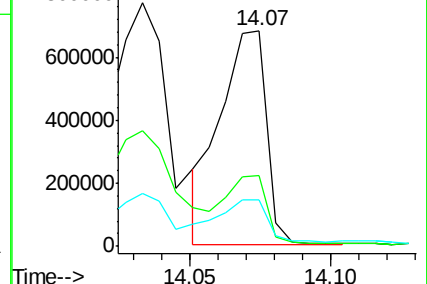
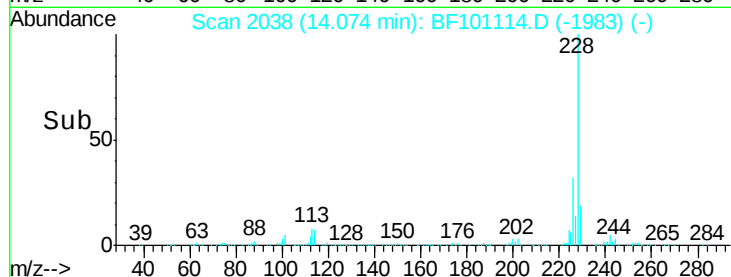
229 21.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 70.78 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.04 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

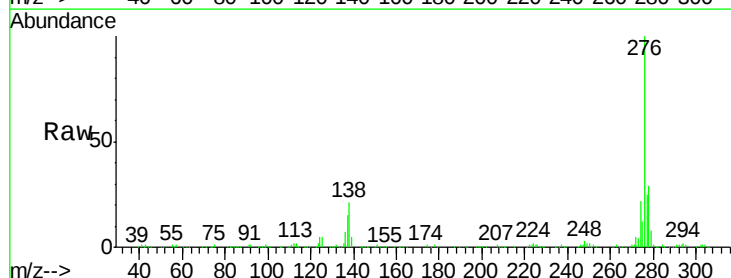
Tgt Ion:276 Resp: 358850

Ion Ratio Lower Upper

276 100

138 20.3 25.0 37.6#

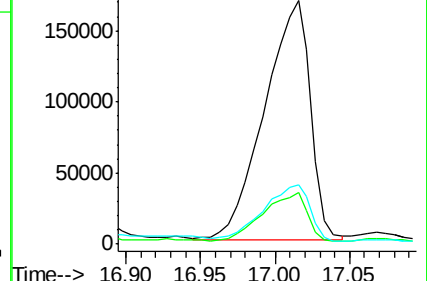
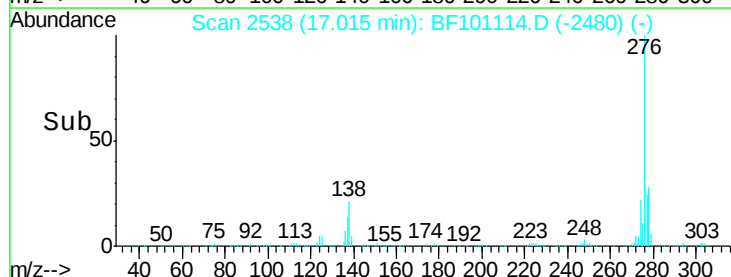
277 24.5 20.1 30.1

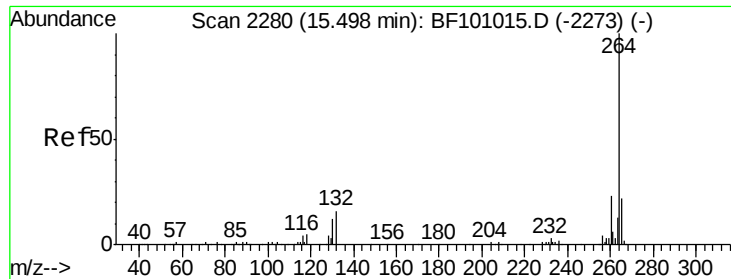


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

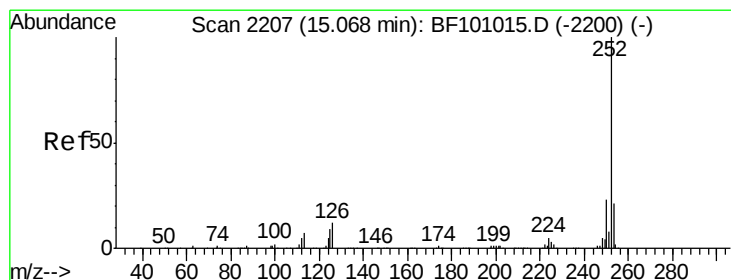
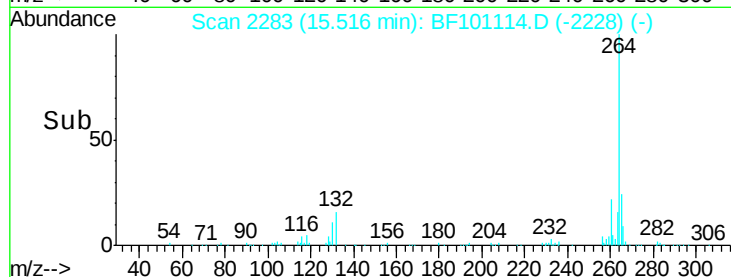
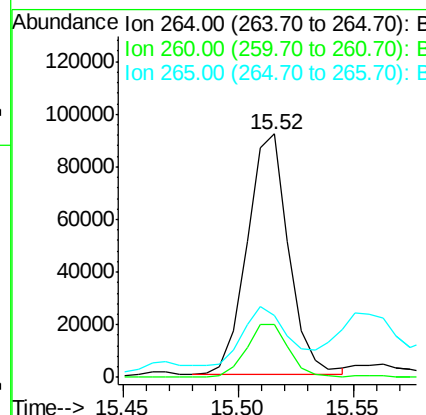
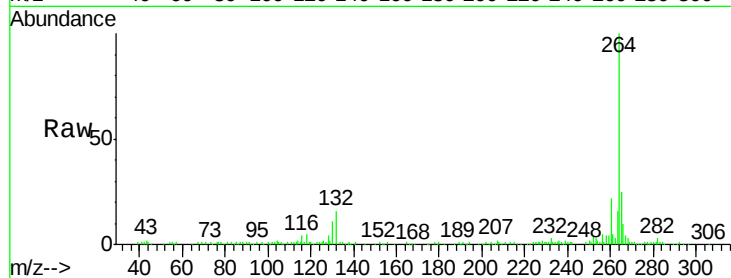




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.02 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

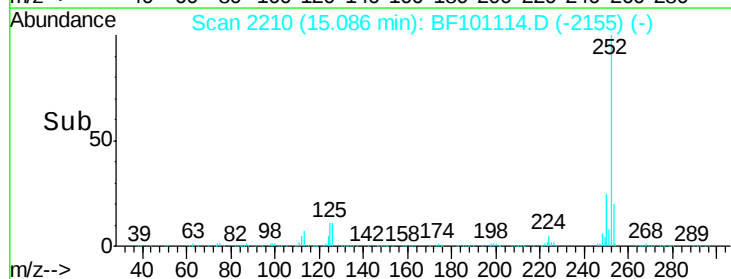
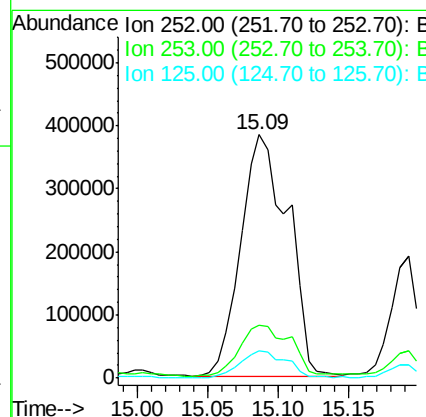
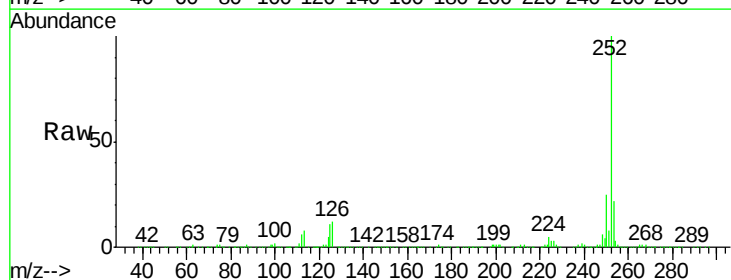
Instrument :
BNA_F
ClientSampleId :

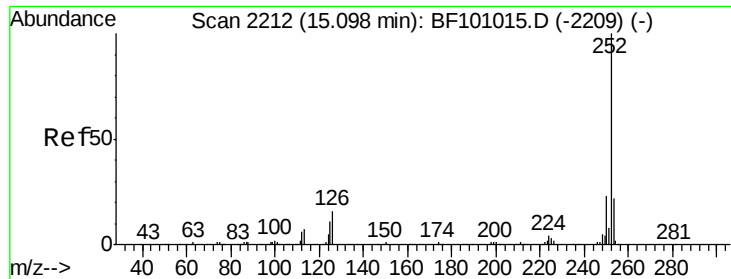
Tot Ion:264 Resp: 114800
Ion Ratio Lower Upper
264 100
260 22.0 19.2 28.8
265 25.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 129.49 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.02 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:252 Resp: 890408
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 11.5 9.0 13.6

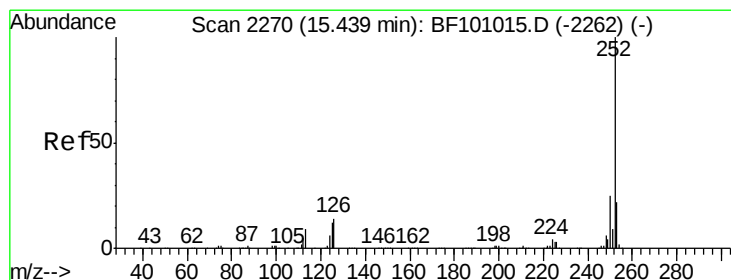
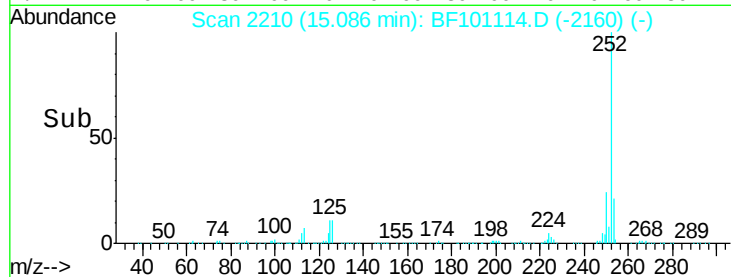
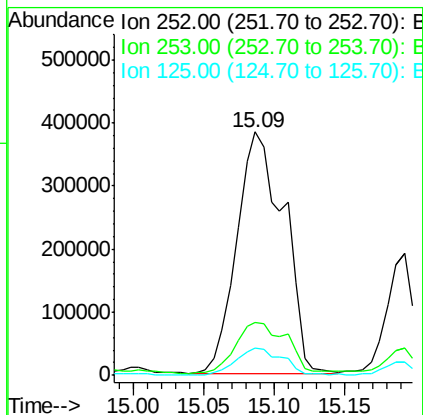
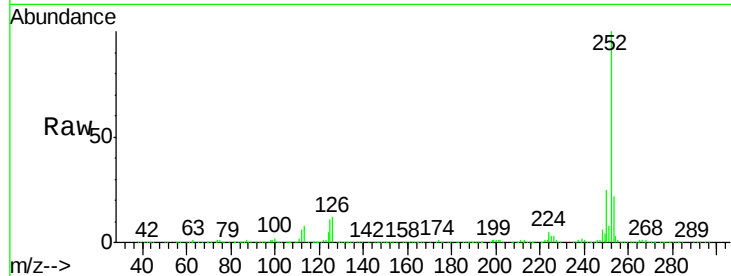




#88
Benzo(k)fluoranthene
Concen: 131.43 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

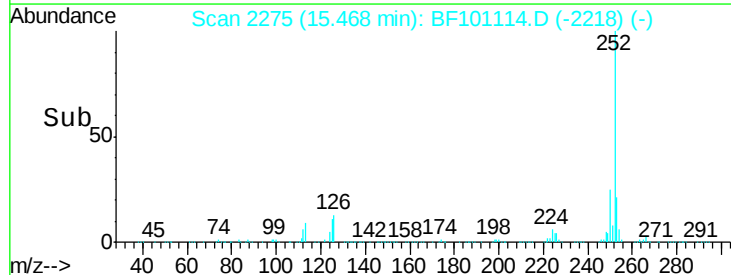
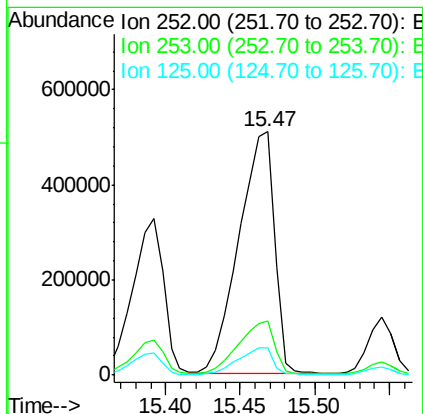
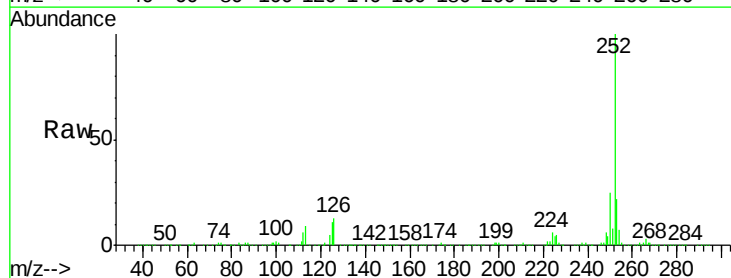
Instrument :
BNA_F
ClientSampleId :

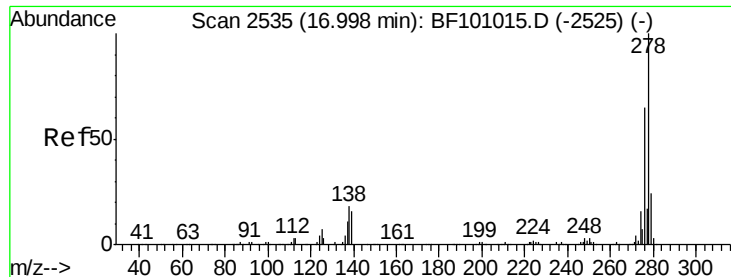
Tot Ion:252 Resp: 890408
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 11.5 10.2 15.2



#89
Benzo(a)pyrene
Concen: 134.69 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.04 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:252 Resp: 842014
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 11.0 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 18.76 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.02 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

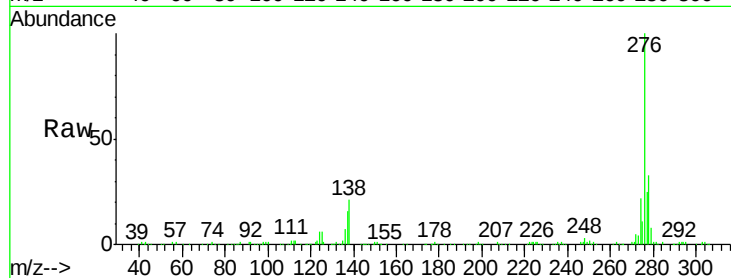
Tot Ion:278 Resp: 103397

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

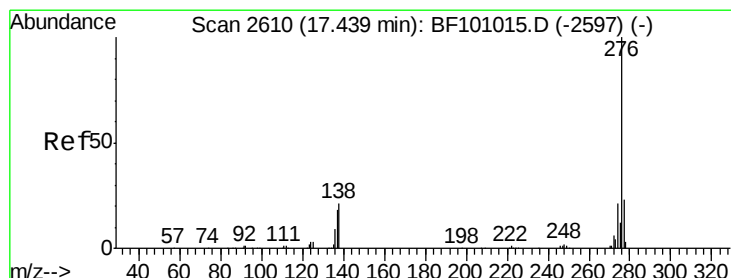
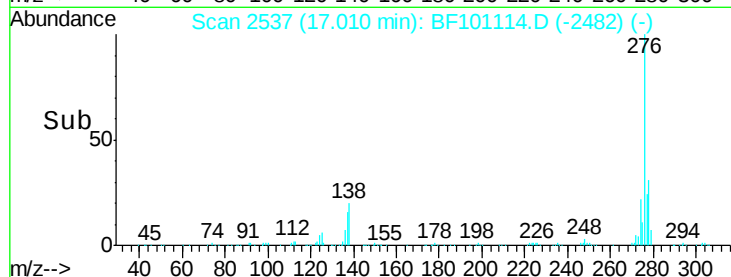
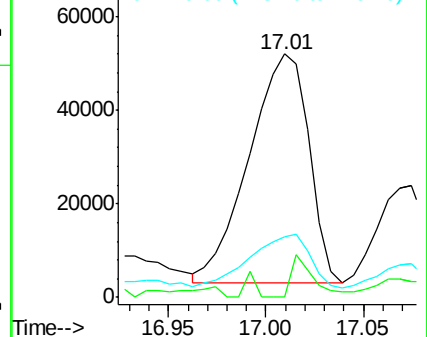
279 25.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 40.56 ng

RT: 17.71 min Scan# 2656

Delta R.T. 0.28 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

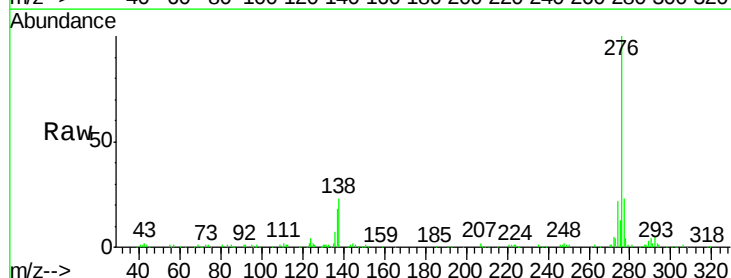
Tgt Ion:276 Resp: 210645

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 22.9 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

