

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099818.D
 Acq On : 25 Oct 2017 17:29
 Operator : SJ/JU
 Sample : I6064-01DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 18:06:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	78220	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	316866	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	141843	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	244666	20.00	ng	0.00
75) Chrysene-d12	13.98	240	161090	20.00	ng	0.00
86) Perylene-d12	15.45	264	154378	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	17081	3.43	ng	0.02
7) Phenol-d6	6.45	99	22342	3.78	ng	0.01
23) Nitrobenzene-d5	7.37	82	11903	2.42	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	4473	3.46	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	30780	3.35	ng	0.00
78) Terphenyl-d14	12.91	244	25117	3.41	ng	0.00

Target Compounds

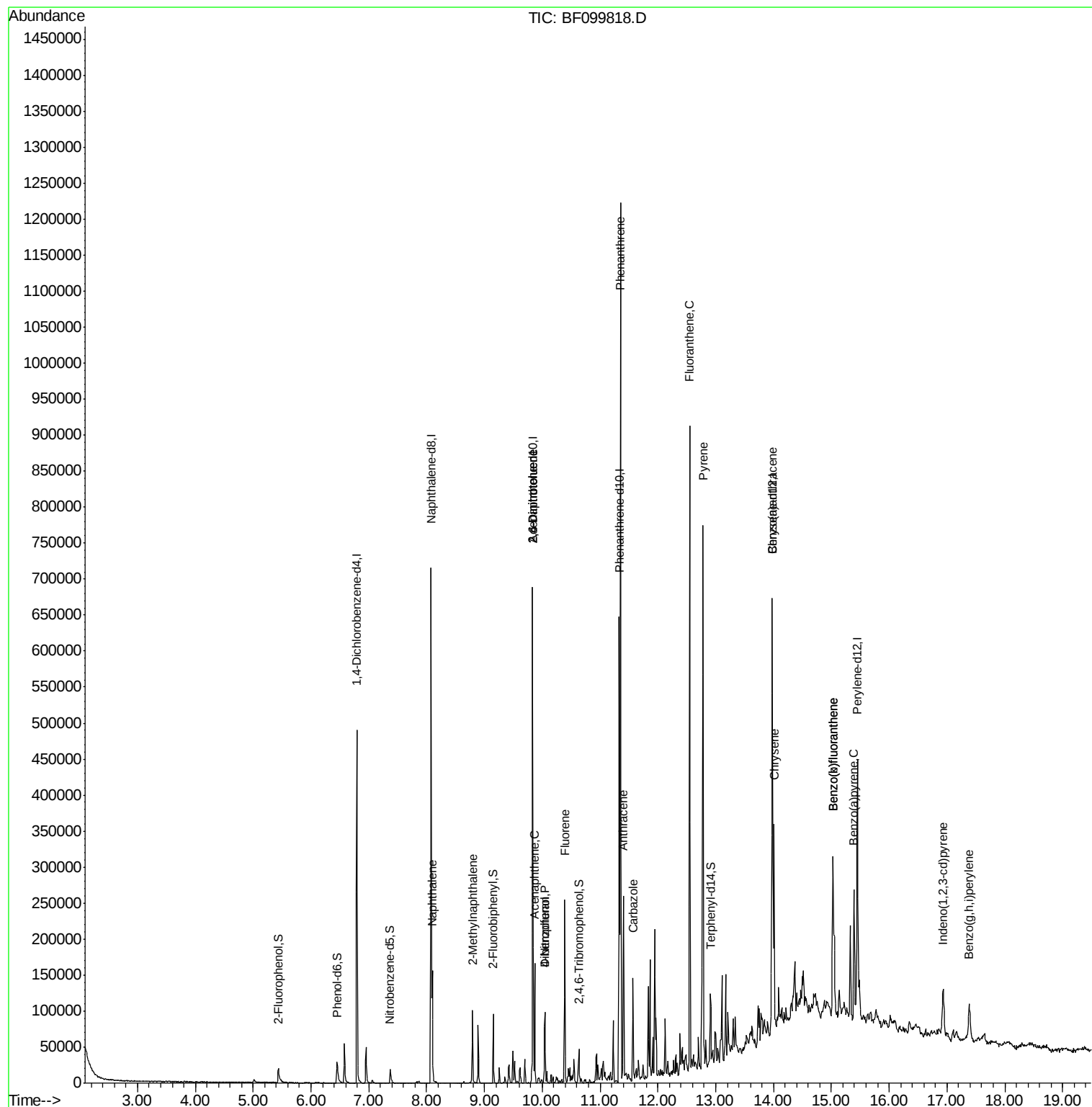
						Qvalue
31) Naphthalene	8.10	128	66648	4.357	ng	98
37) 2-Methylnaphthalene	8.79	142	29134	2.842	ng	98
50) 2,6-Dinitrotoluene	9.83	165	19078	8.079	ng	# 25
51) Acenaphthene	9.87	154	33098	3.774	ng	98
54) Dibenzofuran	10.05	168	37774	3.051	ng	96
55) 4-Nitrophenol	10.05	139	13958	9.601	ng	# 9
56) 2,4-Dinitrotoluene	9.83	165	19078	6.709	ng	# 23
57) Fluorene	10.39	166	68518	6.685	ng	99
70) Phenanthrene	11.36	178	444444	32.188	ng	98
71) Anthracene	11.40	178	104123	7.429	ng	98
72) Carbazole	11.57	167	53962	4.094	ng	98
74) Fluoranthene	12.55	202	351640	24.506	ng	98
77) Pvrene	12.78	202	292928	23.914	ng	98
80) Benzo(a)anthracene	13.97	228	112328	11.000	ng	99
82) Chrysene	14.01	228	104019	10.835	ng	96
85) Indeno(1,2,3-cd)pyrene	16.93	276	38927	4.417	ng	97
87) Benzo(b)fluoranthene	15.03	252	155699	15.972	ng	# 96
88) Benzo(k)fluoranthene	15.03	252	155699	16.938	ng	97
89) Benzo(a)pvrene	15.39	252	82286	9.397	ng	# 95
91) Benzo(a,h,i)perylene	17.39	276	36616	4.810	ng	# 90

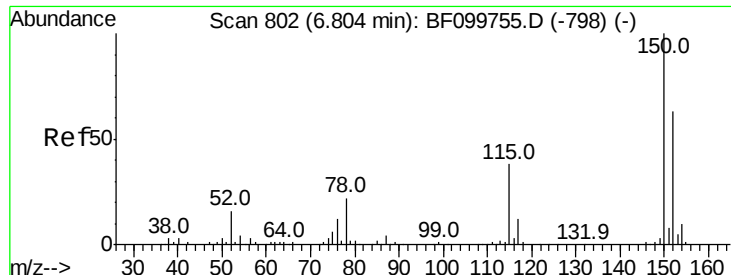
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099818.D
Acq On : 25 Oct 2017 17:29
Operator : SJ/JU
Sample : I6064-01DL 25X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 25 18:06:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 17:02:52 2017
Response via : Initial Calibration



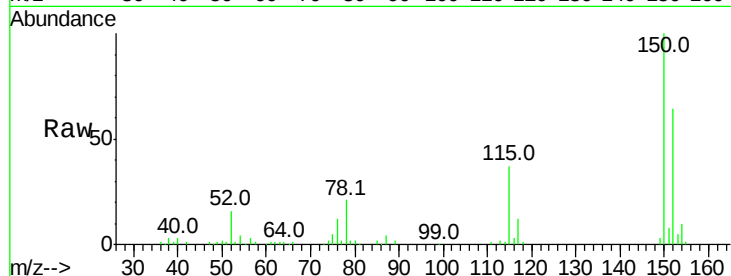


#1

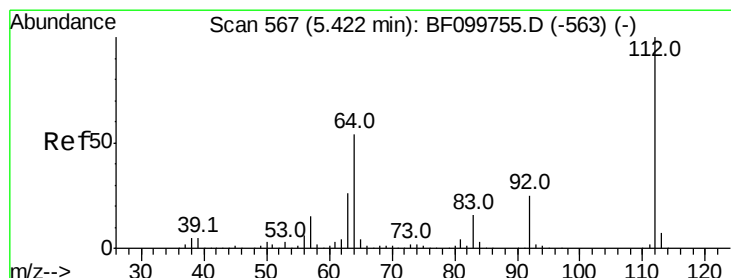
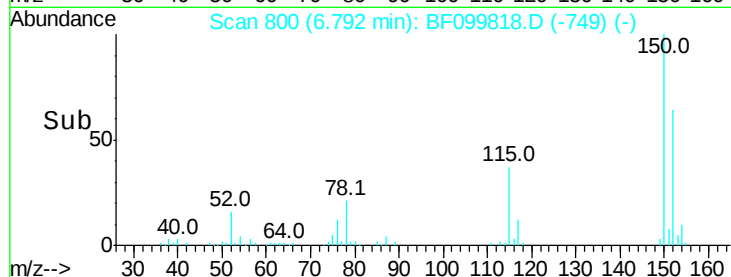
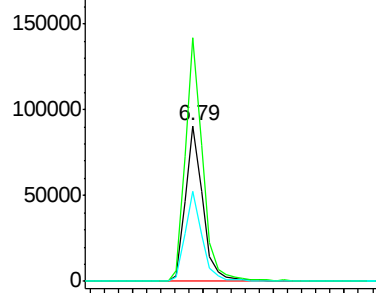
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78220
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 57.5 50.1 75.1



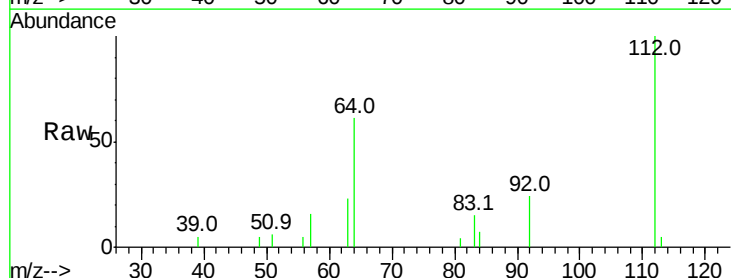
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



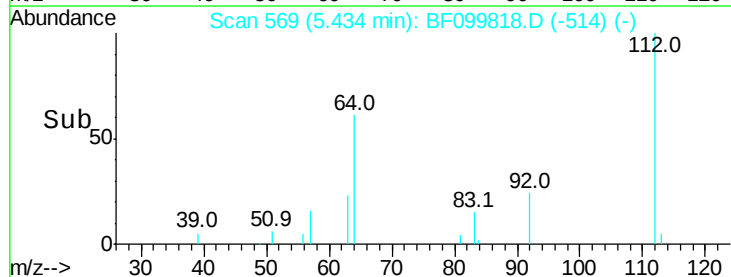
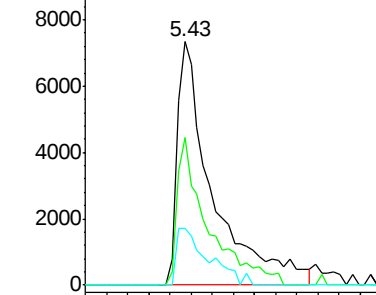
#5

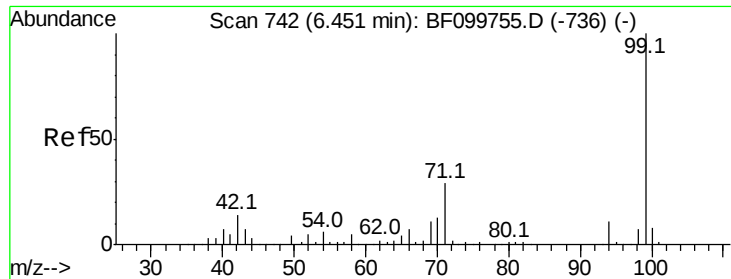
2-Fluorophenol
Concen: 3.428 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion:112 Resp: 17081
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 23.2 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.782 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Instrument :

BNA_F

ClientSampleId :

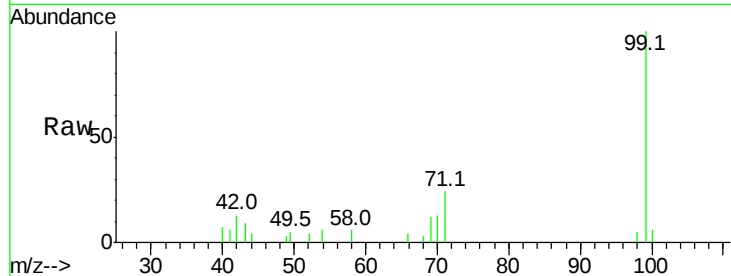
Tot Ion: 99 Resp: 22342

Ion Ratio Lower Upper

99 100

42 13.0 14.5 21.7#

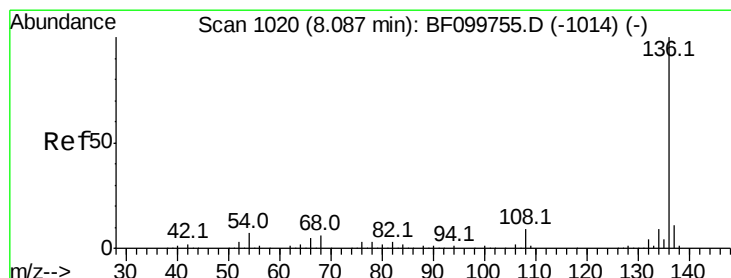
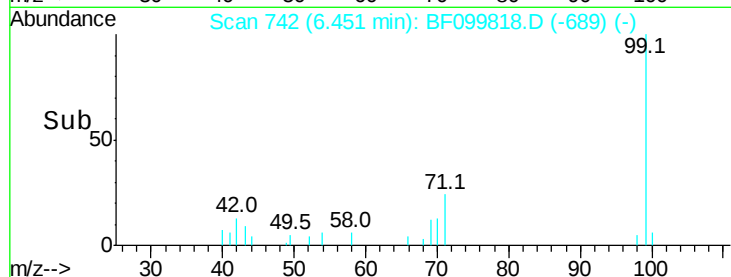
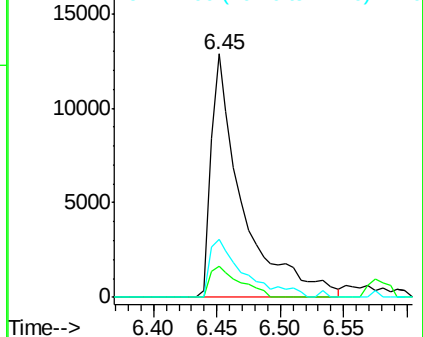
71 23.6 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Tgt Ion:136 Resp: 316866

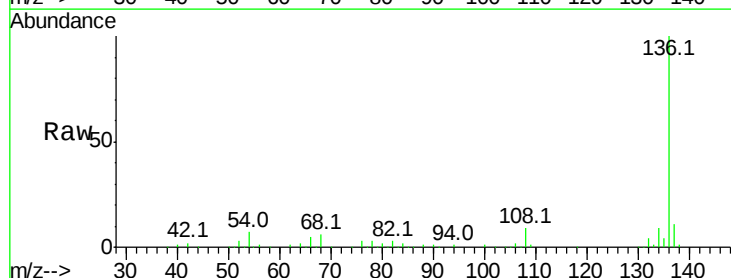
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.9 6.6 9.8

68 5.8 5.0 7.4

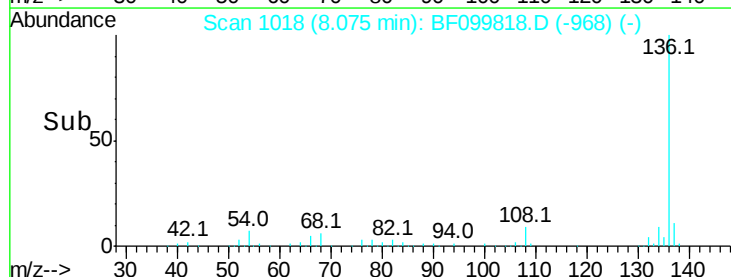
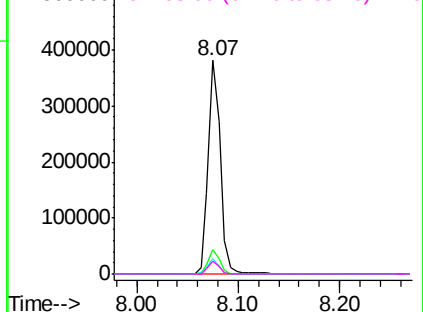


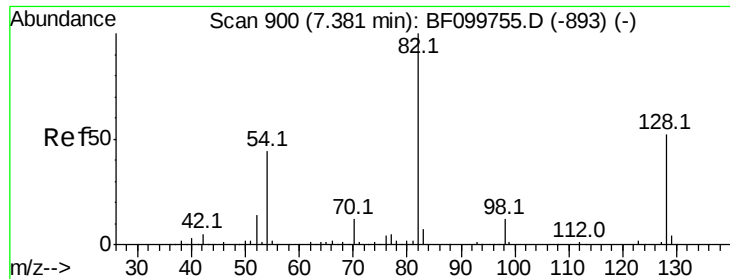
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

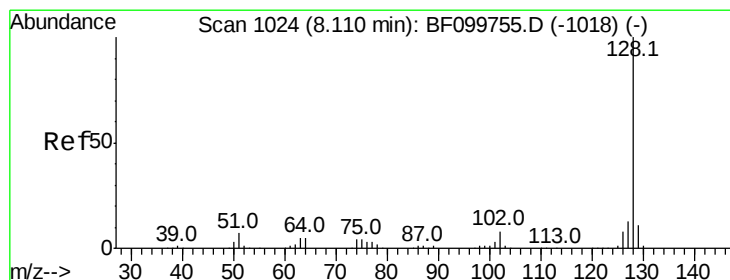
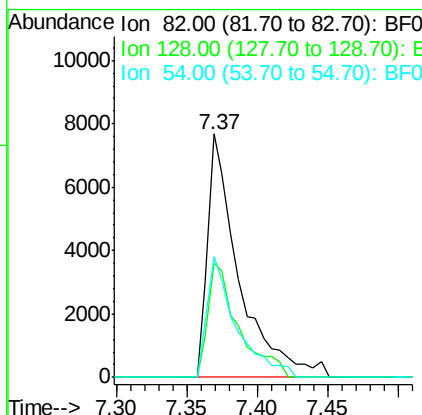
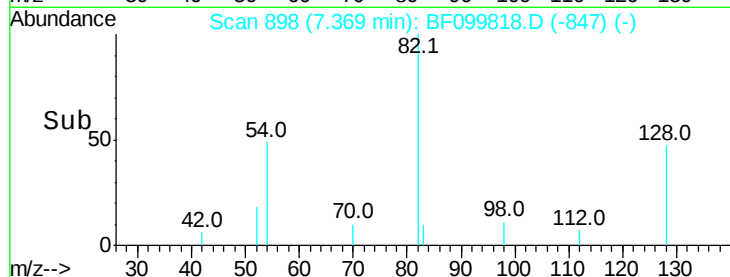
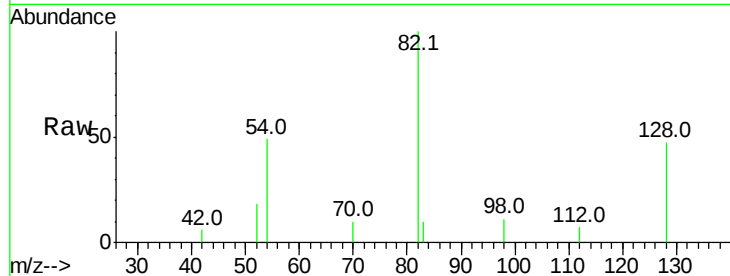




#23
Nitrobenzene-d5
Concen: 2.418 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

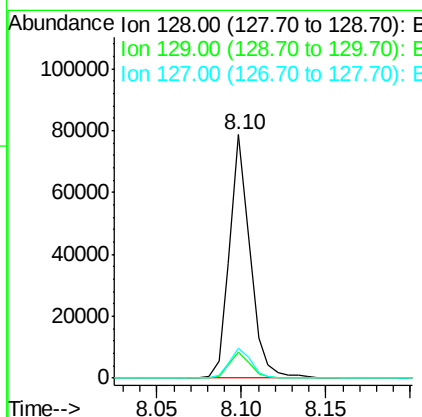
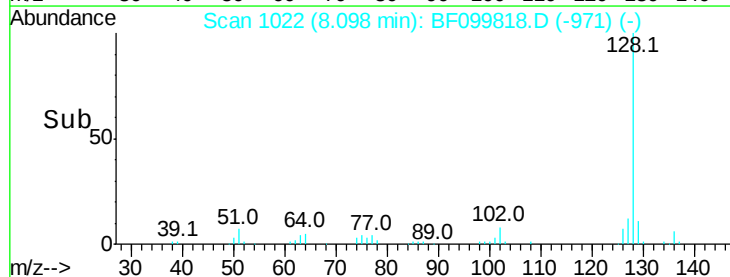
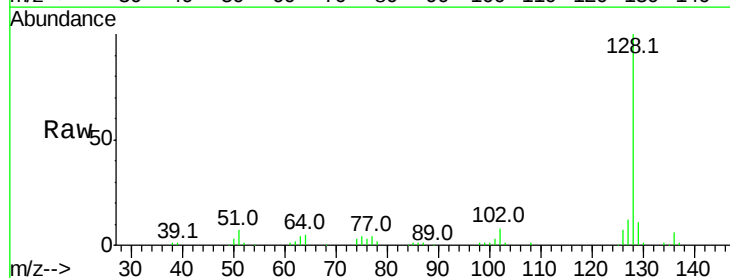
Instrument :
BNA_F
ClientSampleId :

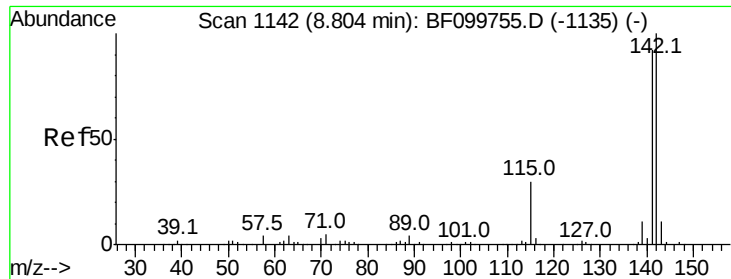
Tot Ion: 82 Resp: 11903
Ion Ratio Lower Upper
82 100
128 46.7 36.1 54.1
54 49.4 41.4 62.2



#31
Naphthalene
Concen: 4.357 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion:128 Resp: 66648
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.4 10.9 16.3

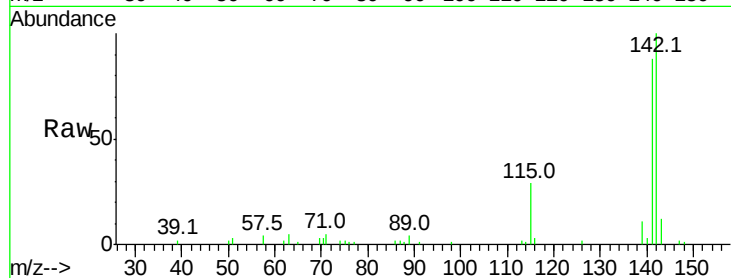




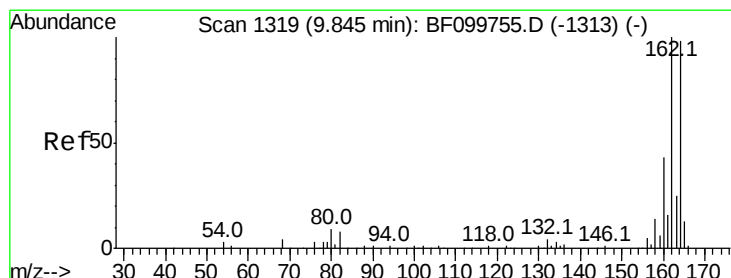
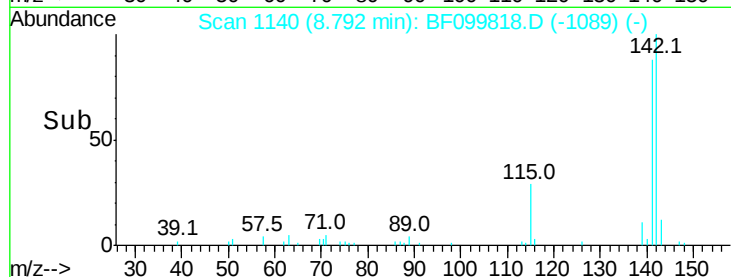
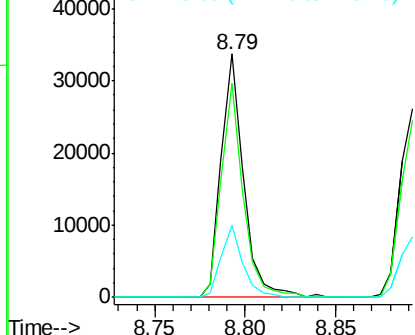
#37
2-Methylnaphthalene
Concen: 2.842 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 29134
Ion Ratio Lower Upper
142 100
141 88.1 70.8 106.2
115 29.5 26.1 39.1

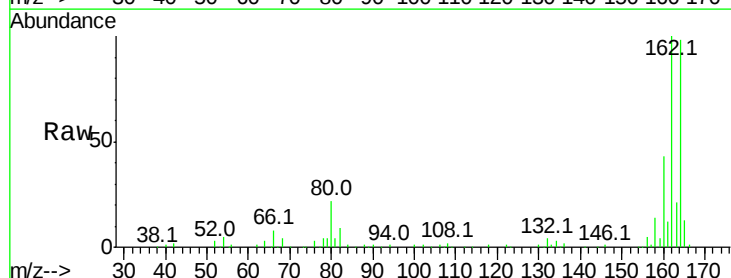


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

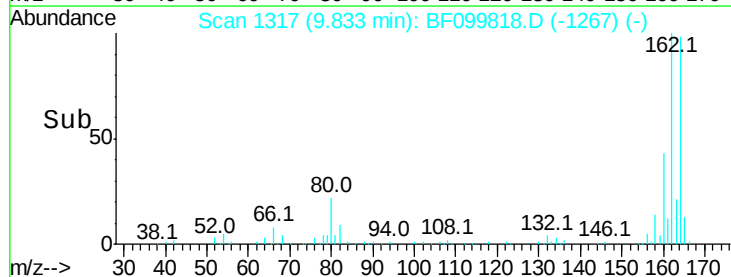
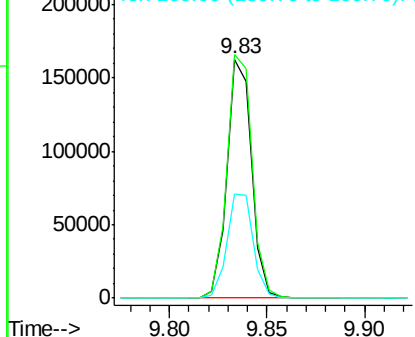


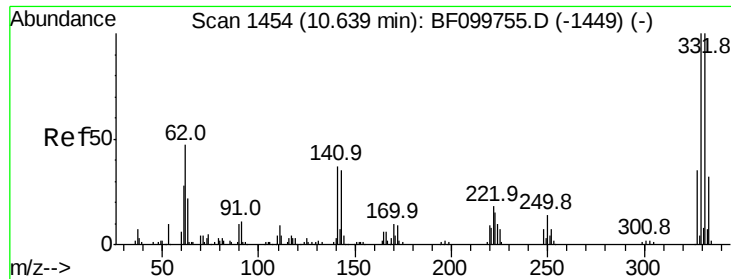
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion:164 Resp: 141843
Ion Ratio Lower Upper
164 100
162 101.9 86.1 129.1
160 43.8 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

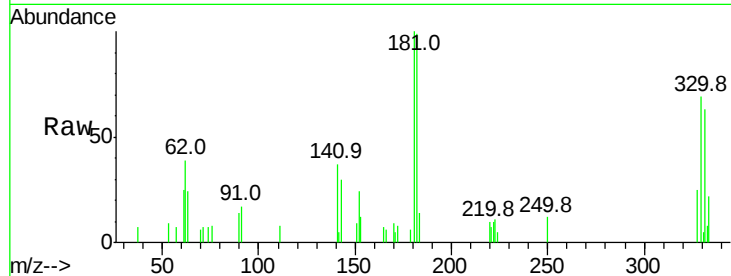




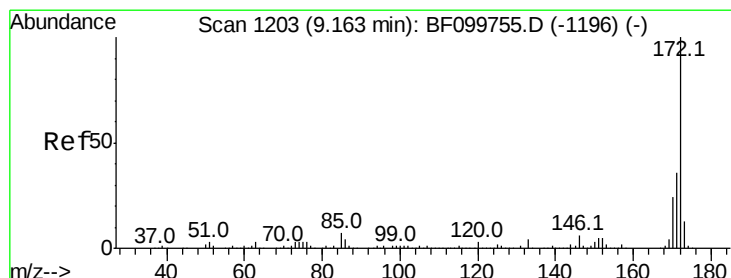
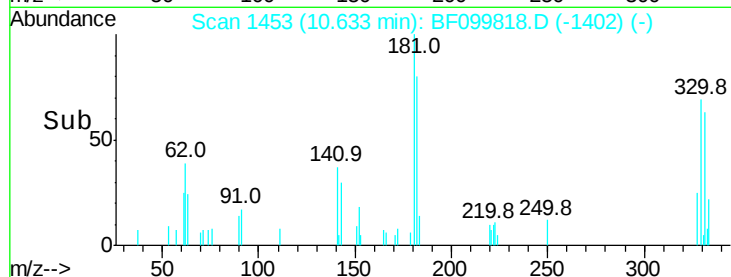
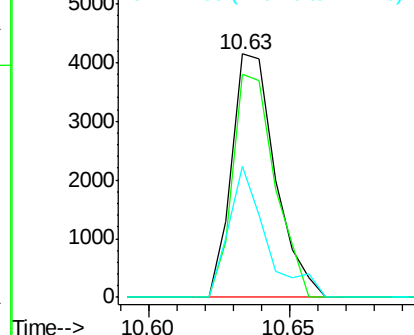
#41
 2,4,6-Tribromophenol
 Concen: 3.460 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 4473
 Ion Ratio Lower Upper
 330 100
 332 88.5 77.0 115.6
 141 45.9 29.9 44.9#

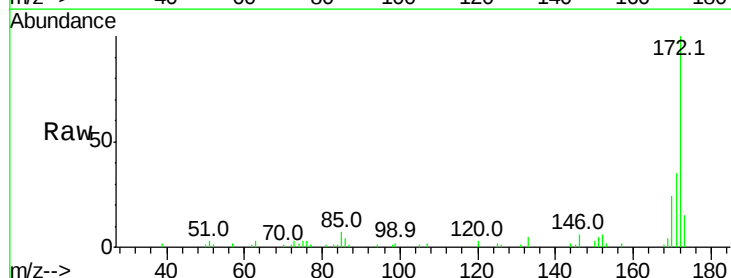


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

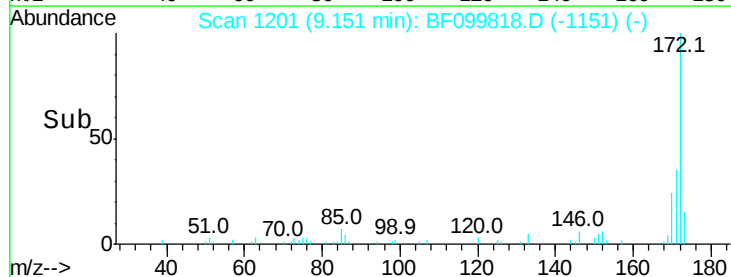
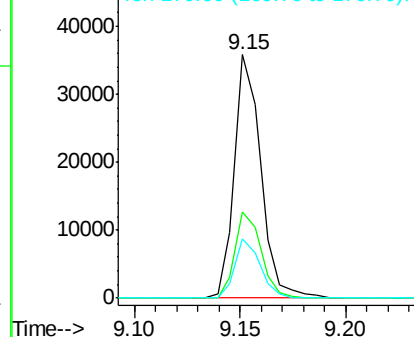


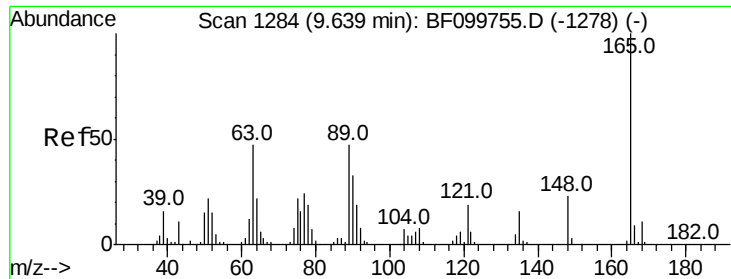
#44
 2-Fluorobiphenyl
 Concen: 3.348 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Tgt Ion:172 Resp: 30780
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 24.1 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

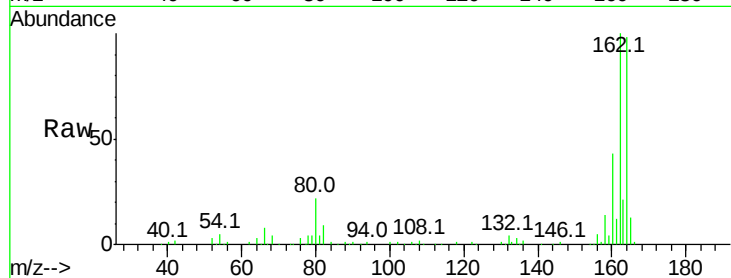




#50
2,6-Dinitrotoluene
Concen: 8.079 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.20 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Instrument :
BNA_F
ClientSampled :

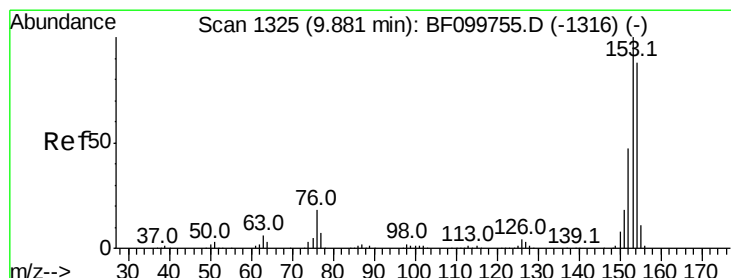
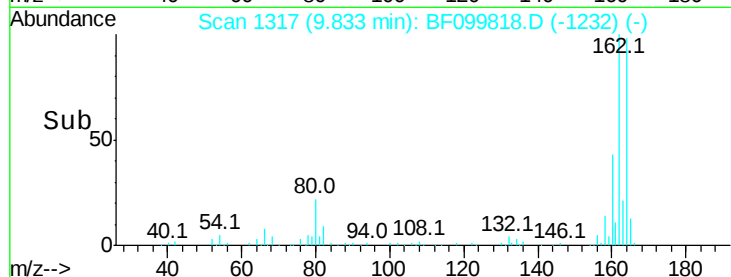
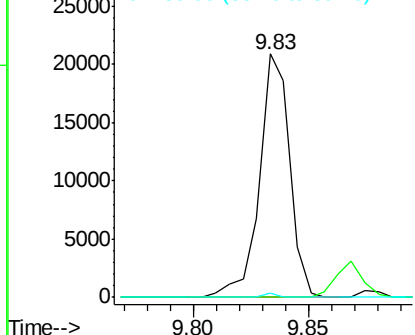
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.8	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

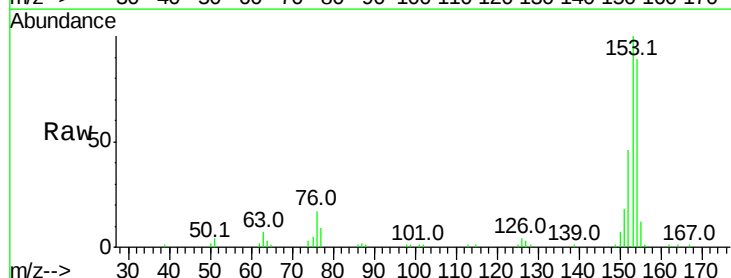
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
Acenaphthene
Concen: 3.774 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

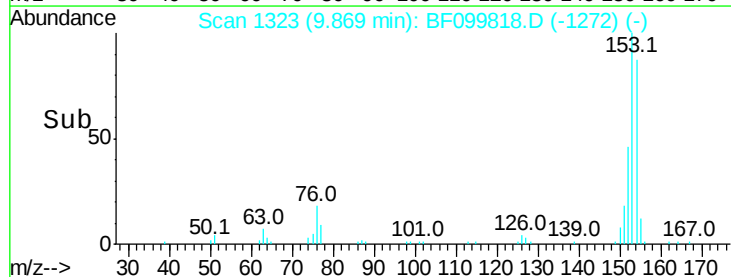
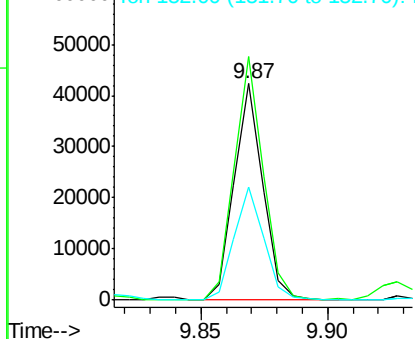
Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	91.2	136.8
152	52.2	43.8	65.8

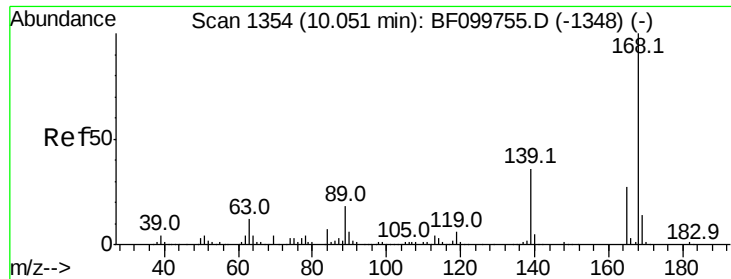


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 3.051 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Instrument :

BNA_F

ClientSampleId :

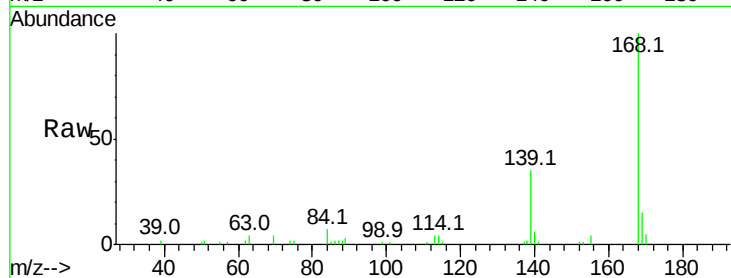
Tot Ion:168 Resp: 37774

Ion Ratio Lower Upper

168 100

139 35.2 30.1 45.1

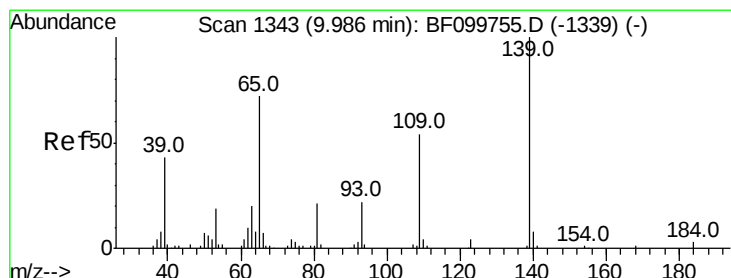
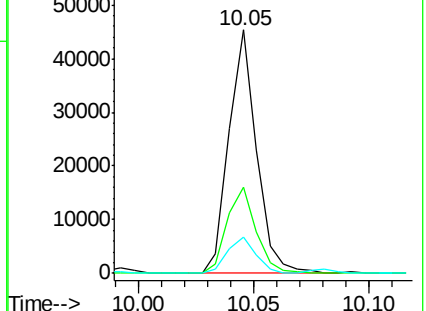
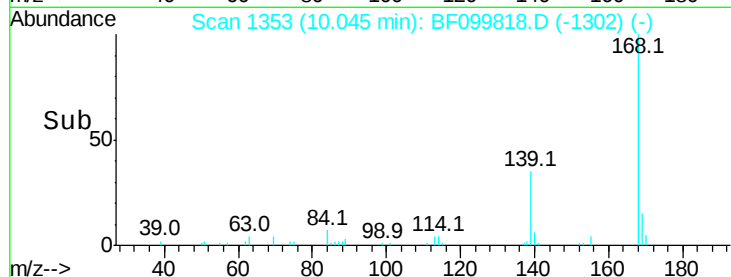
169 14.9 10.9 16.3



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: 9.601 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.06 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

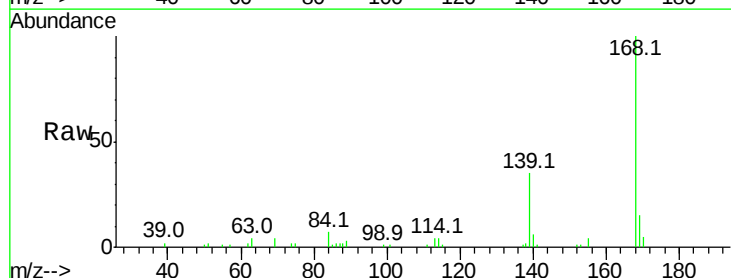
Tgt Ion:139 Resp: 13958

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

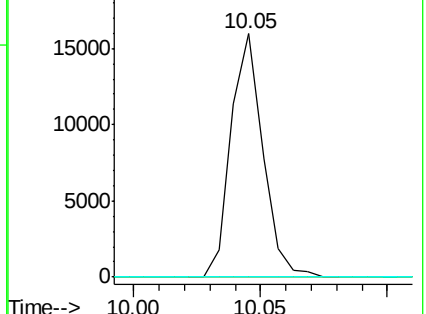
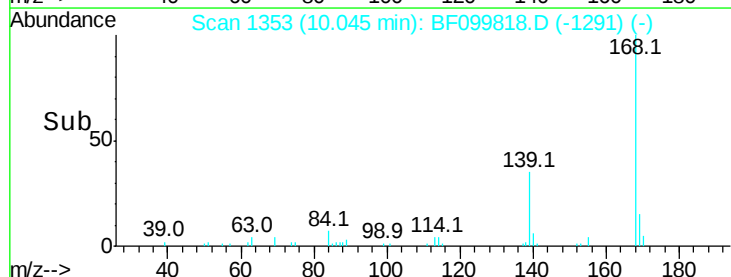
65 0.0 72.6 112.6#

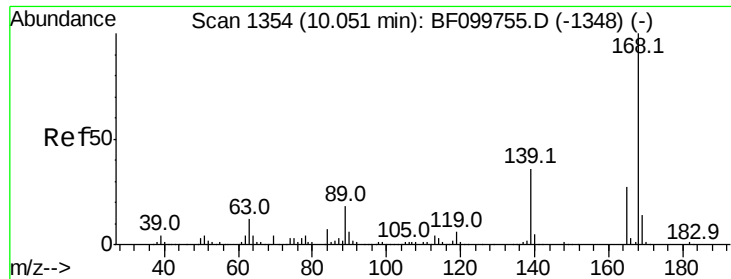


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

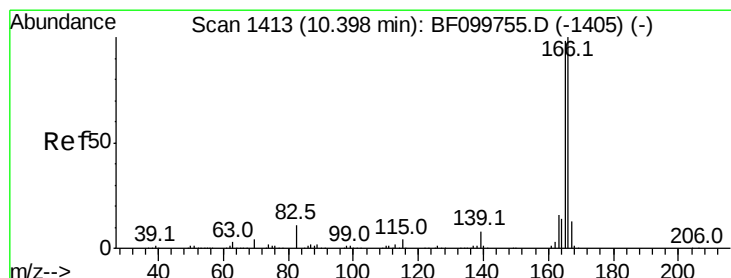
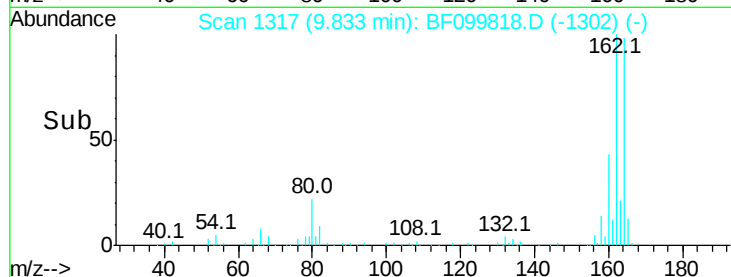
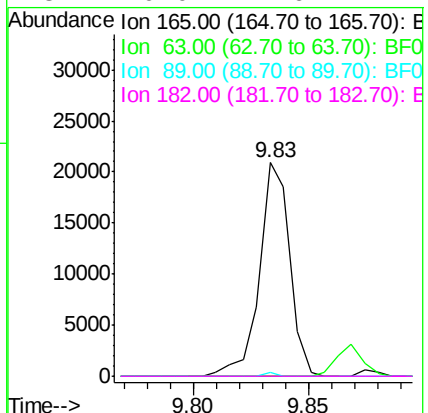
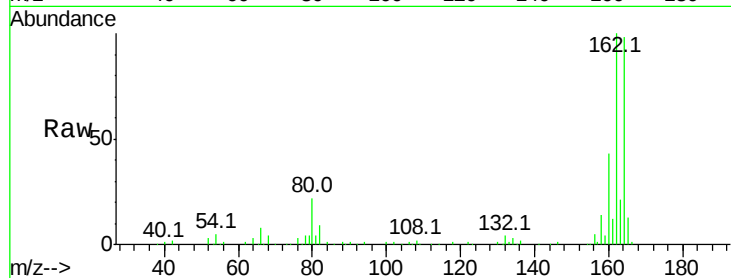




#56
2,4-Dinitrotoluene
Concen: 6.709 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.21 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

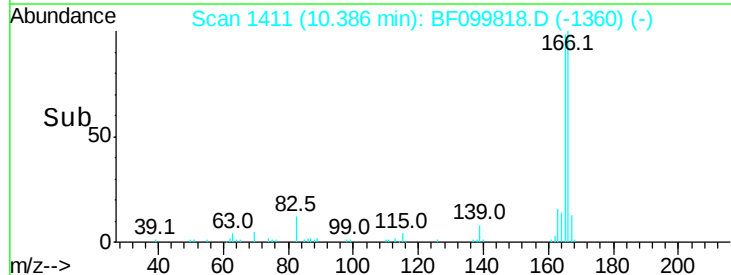
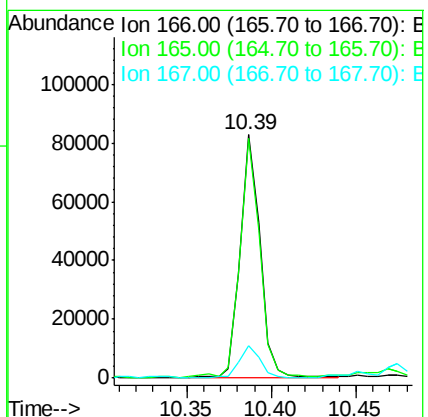
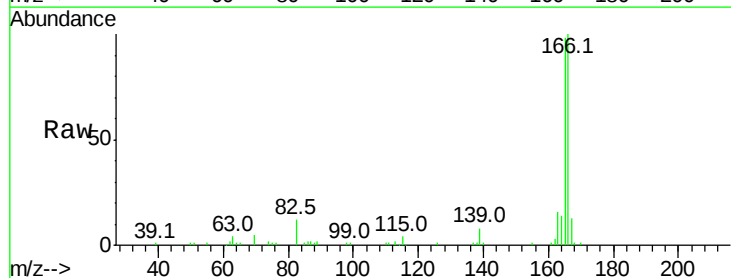
Instrument :
BNA_F
ClientSampleId :

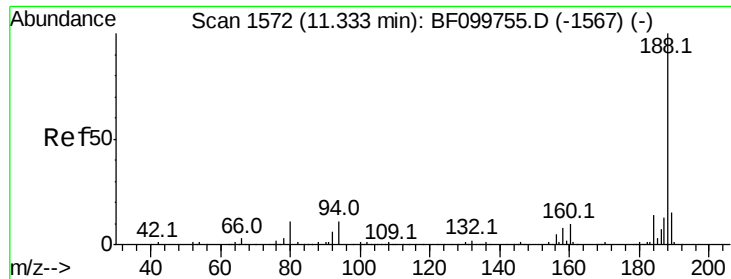
Tot Ion:165 Resp: 19078
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#



#57
Fluorene
Concen: 6.685 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion:166 Resp: 68518
Ion Ratio Lower Upper
166 100
165 98.4 79.8 119.8
167 13.4 10.6 16.0

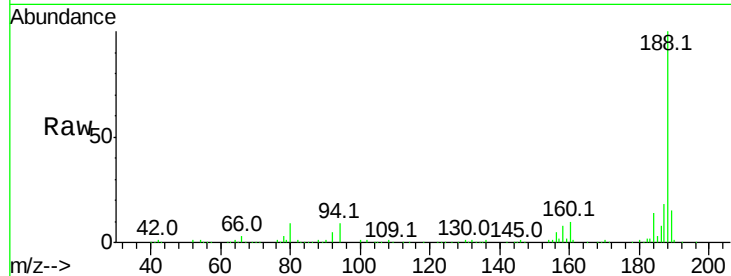




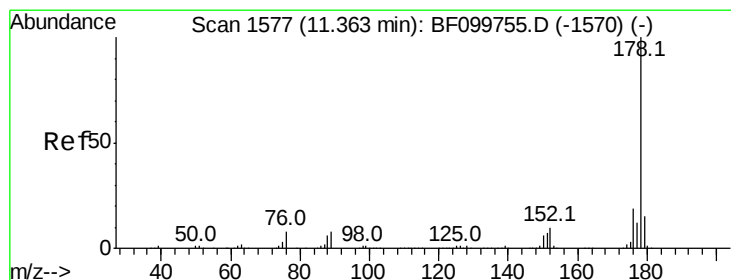
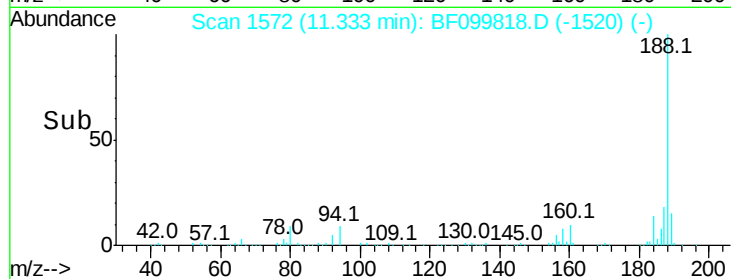
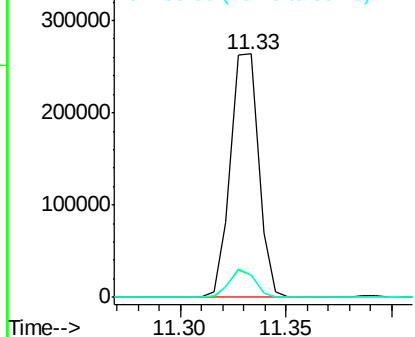
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.1	9.2	13.8#

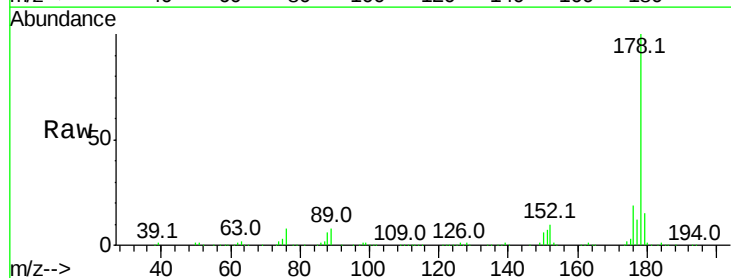


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

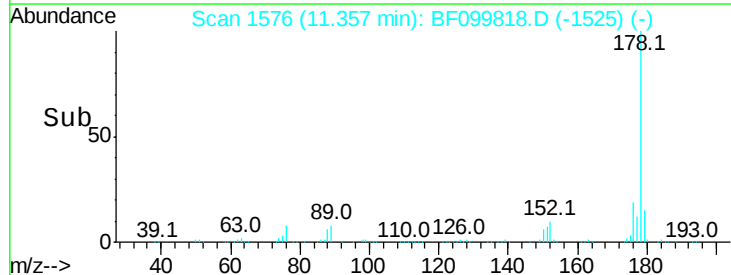
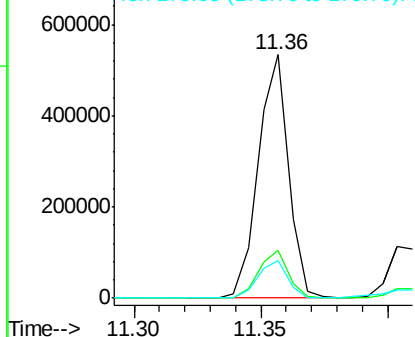


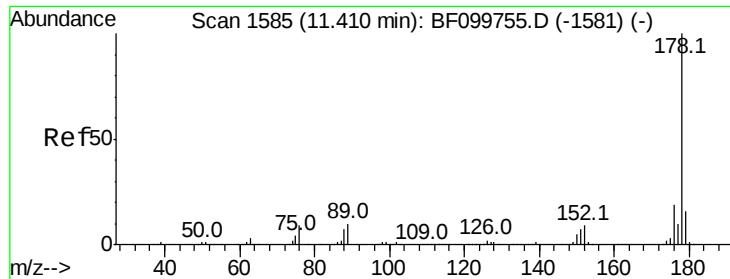
#70
Phenanthrene
Concen: 32.188 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.3	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

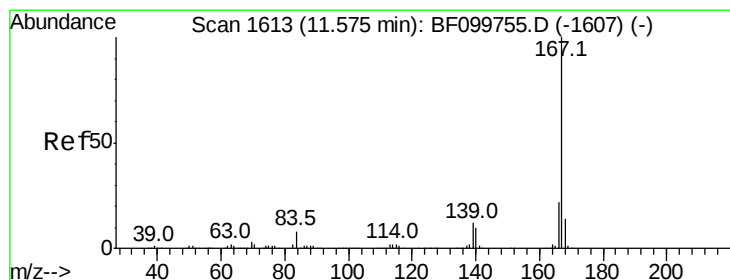
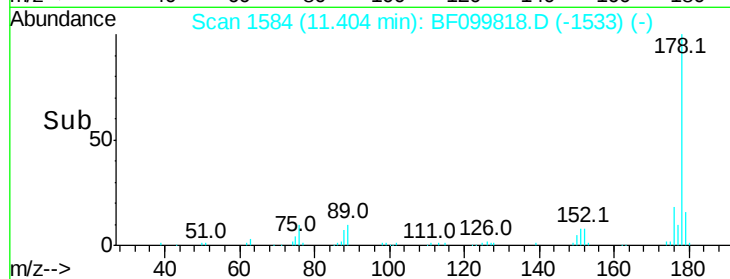
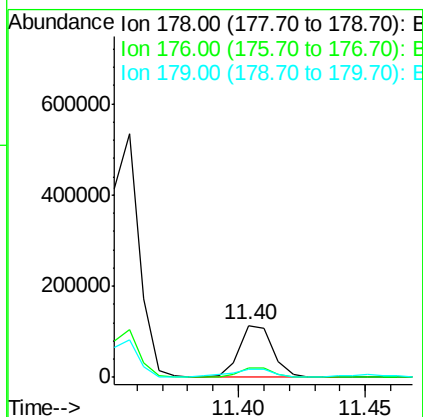
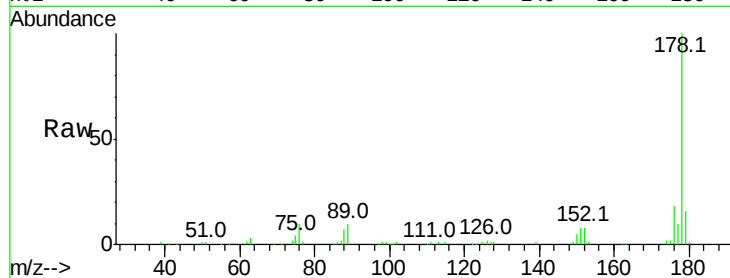




#71
 Anthracene
 Concen: 7.429 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

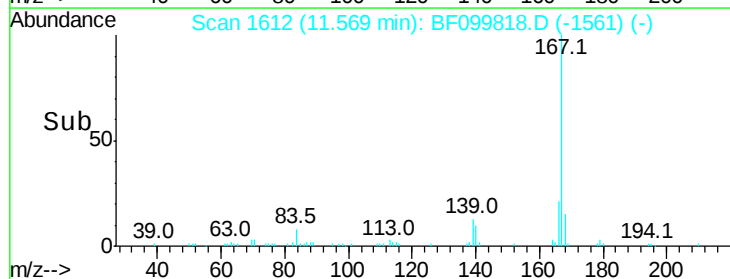
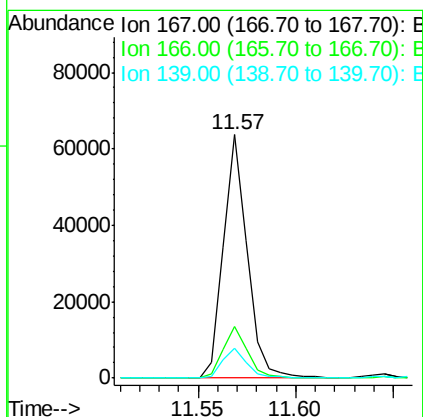
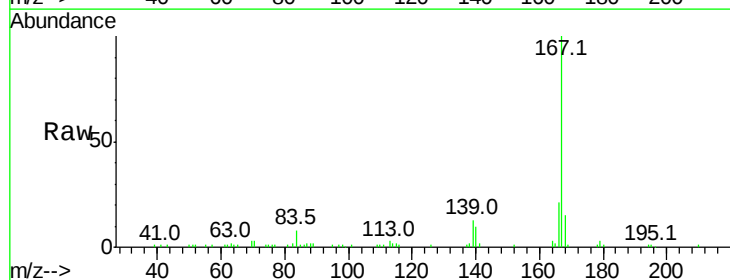
Instrument :
 BNA_F
 ClientSampleId :

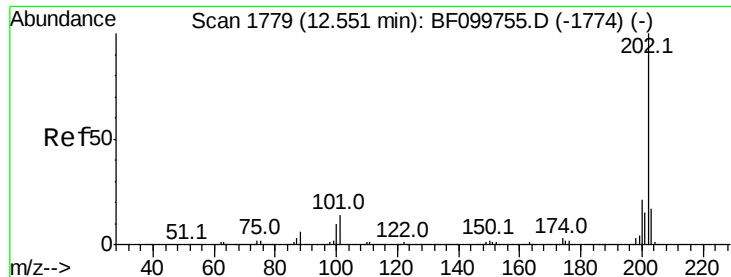
Tot Ion:178 Resp: 104123
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 16.4 12.6 19.0



#72
 Carbazole
 Concen: 4.094 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Tgt Ion:167 Resp: 53962
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.6 26.4
 139 12.5 10.9 16.3





#74

Fluoranthene

Concen: 24.506 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Instrument :

BNA_F

ClientSampleId :

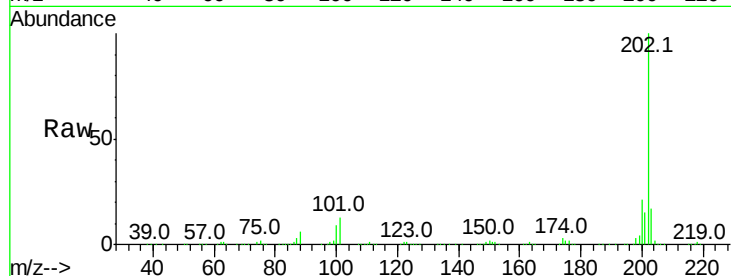
Tot Ion:202 Resp: 351640

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

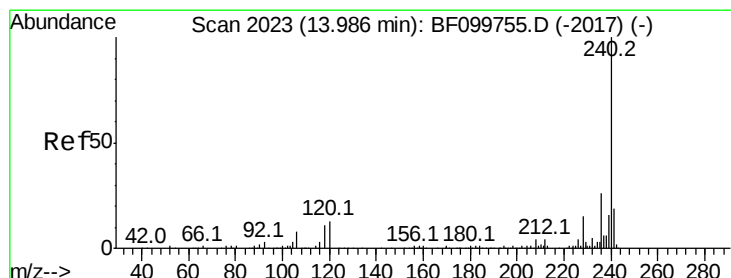
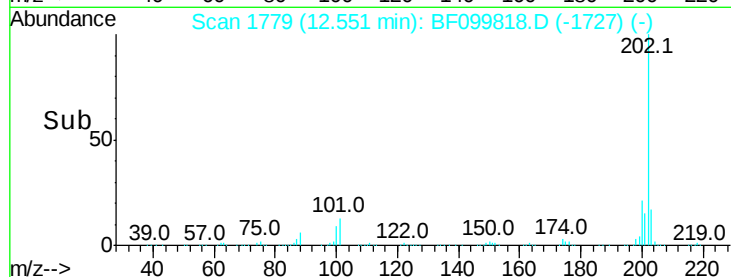
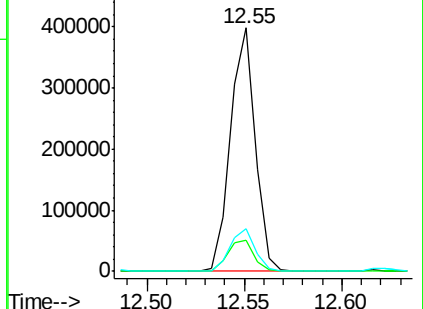
203 17.4 0.0 38.1



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: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

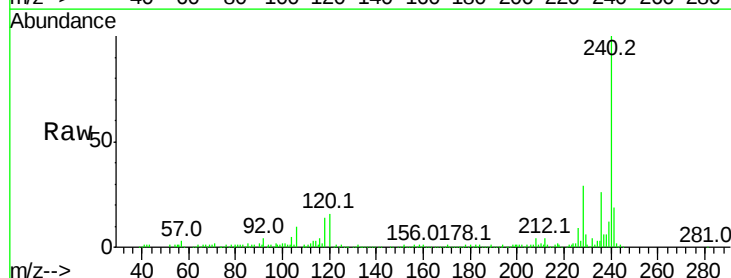
Tgt Ion:240 Resp: 161090

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

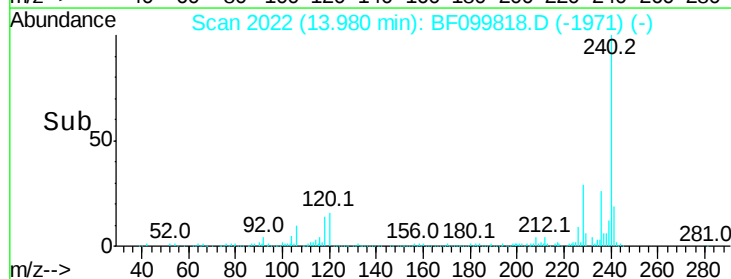
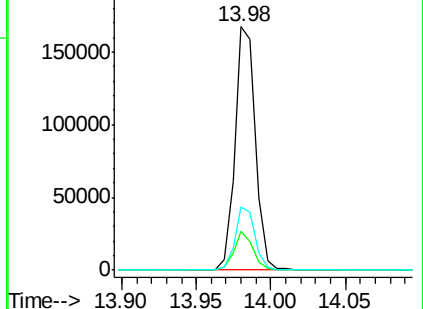
236 26.1 20.7 31.1

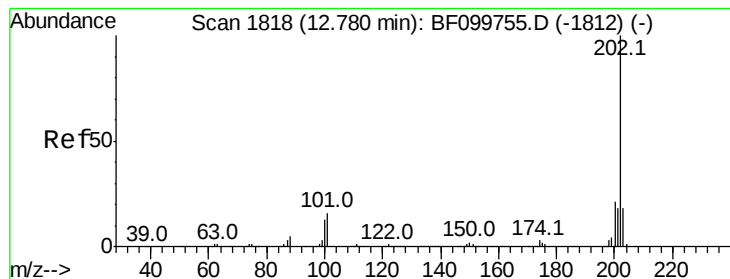


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 23.914 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

Instrument :

BNA_F

ClientSampleId :

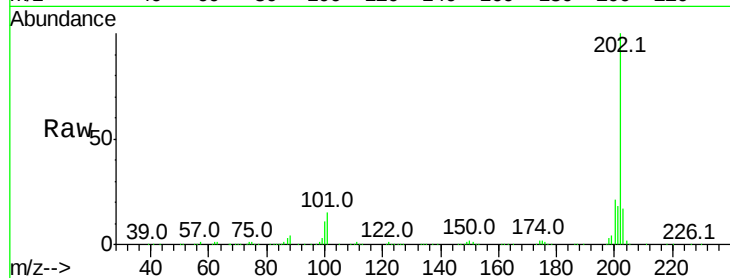
Tot Ion:202 Resp: 292928

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

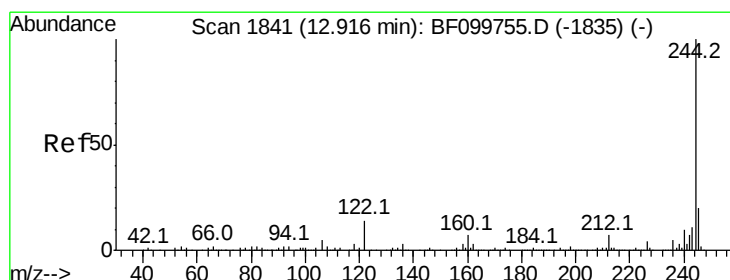
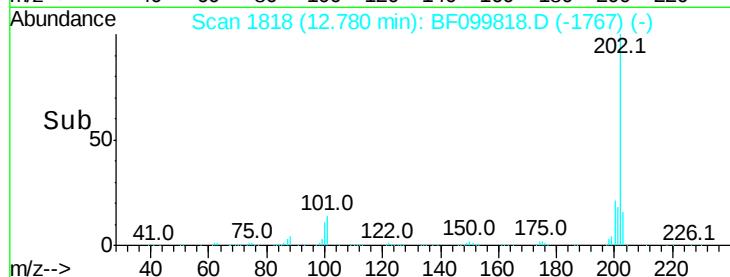
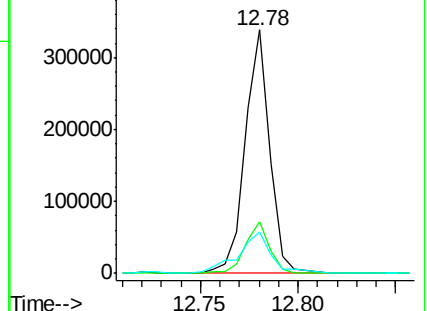
203 16.8 14.3 21.5



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: 3.407 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF099818.D

Acq: 25 Oct 2017 17:29

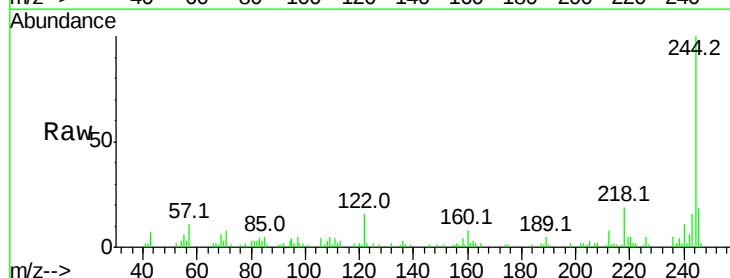
Tgt Ion:244 Resp: 25117

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

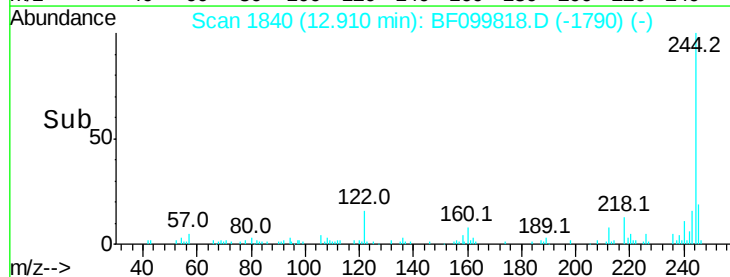
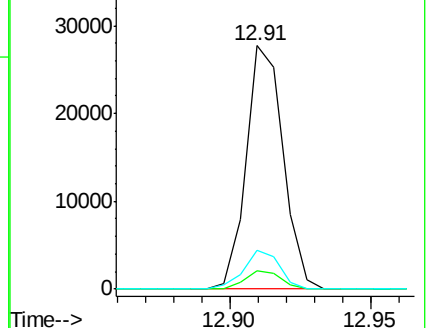
122 15.7 11.0 16.4

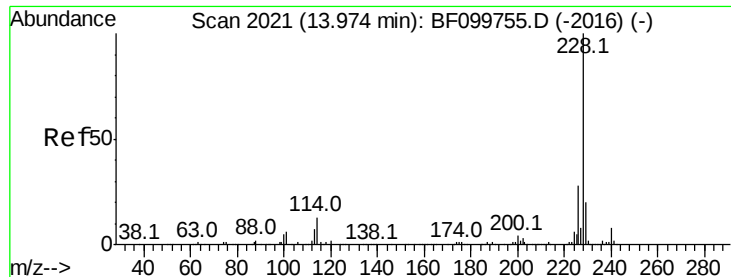


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

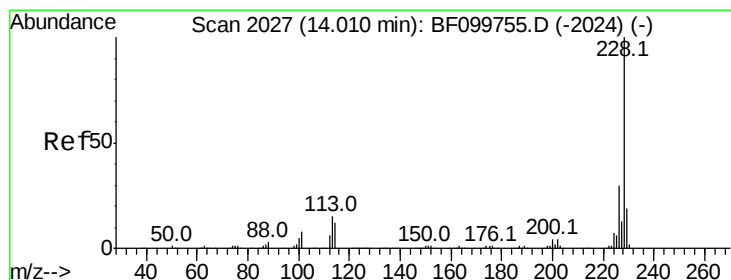
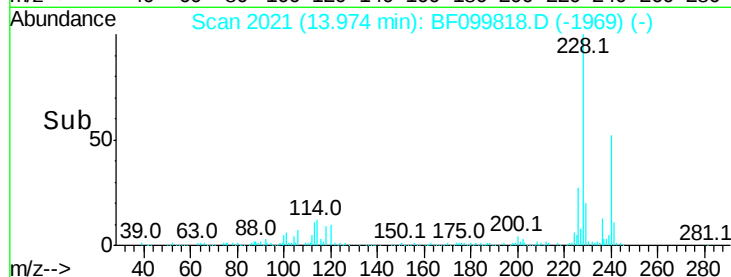
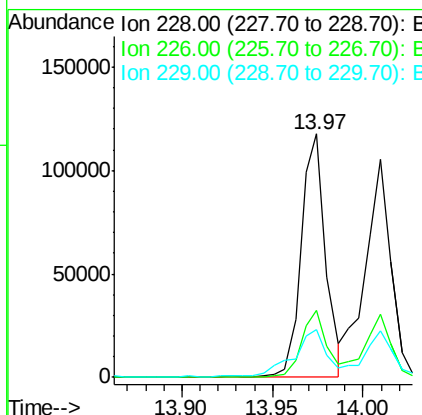
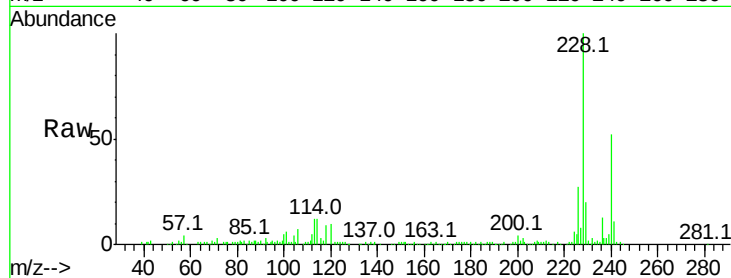




#80
Benzo(a)anthracene
Concen: 11.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

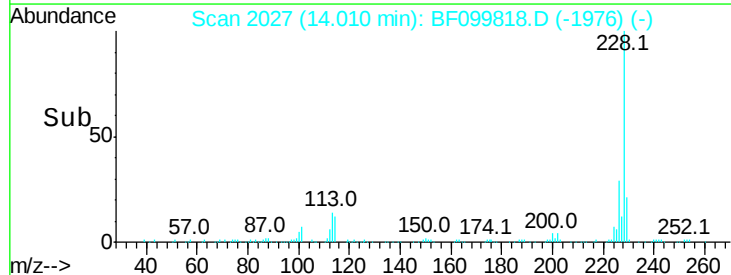
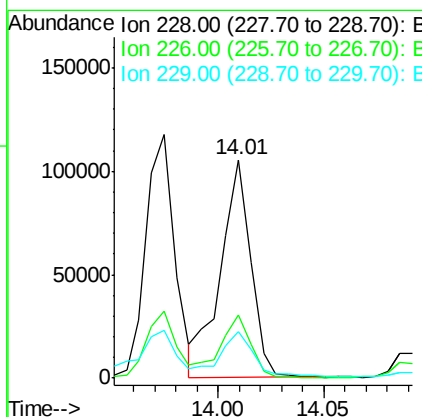
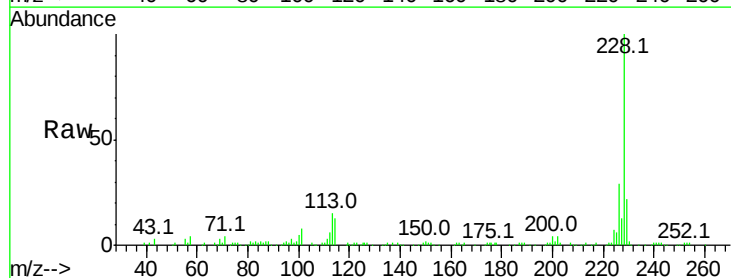
Instrument :
BNA_F
ClientSampleId :

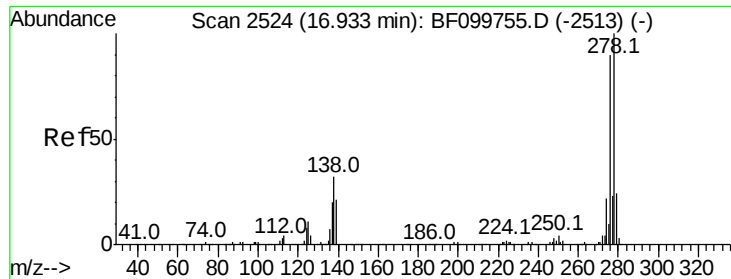
Tot Ion:228 Resp: 112328
Ion Ratio Lower Upper
228 100
226 27.3 22.6 33.8
229 19.9 15.8 23.6



#82
Chrysene
Concen: 10.835 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion:228 Resp: 104019
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 21.6 16.2 24.4

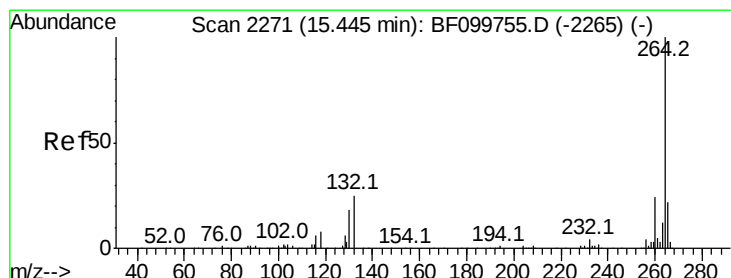
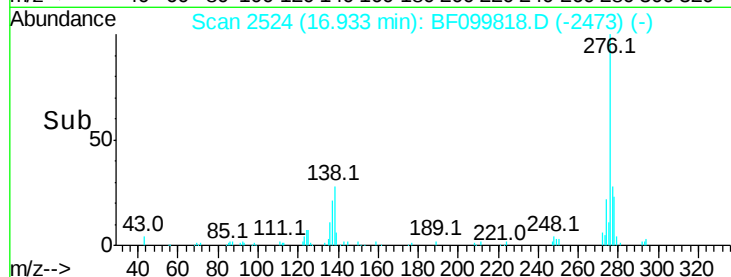
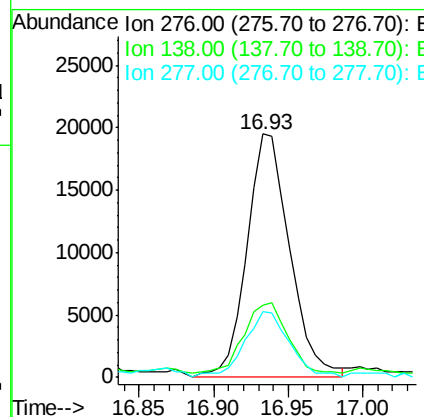
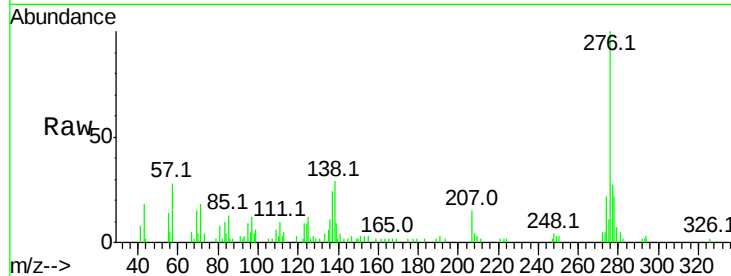




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.417 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

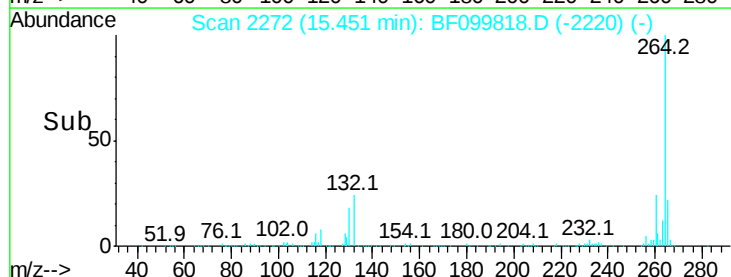
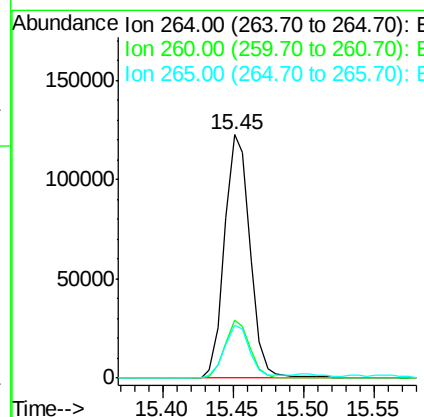
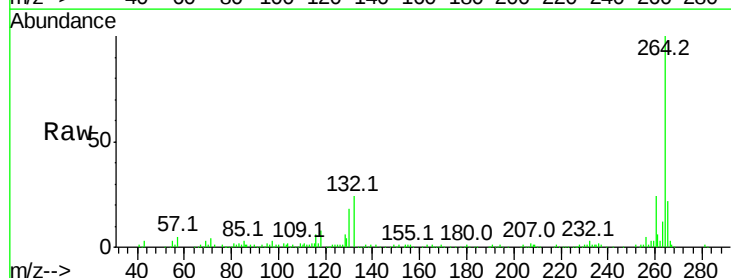
Instrument :
 BNA_F
 ClientSampled :

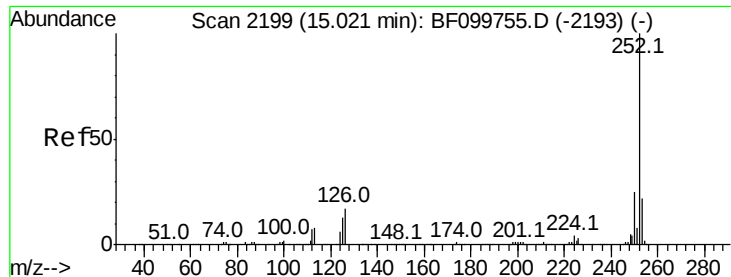
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.8	25.0	37.6
277	28.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF099818.D
 Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	17.5	26.3

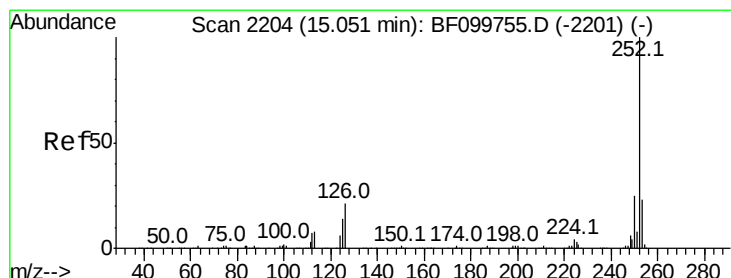
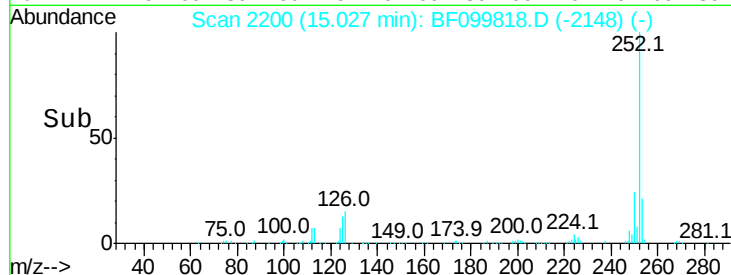
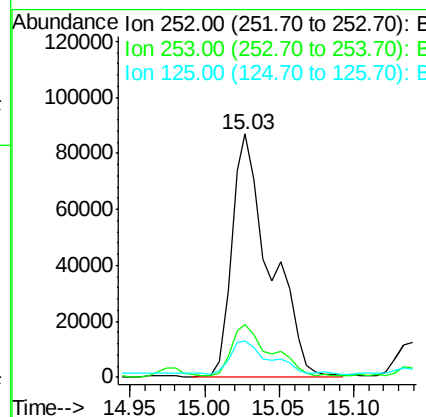
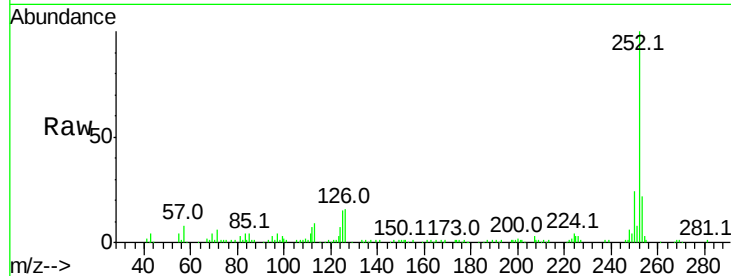




#87
Benzo(b)fluoranthene
Concen: 15.972 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

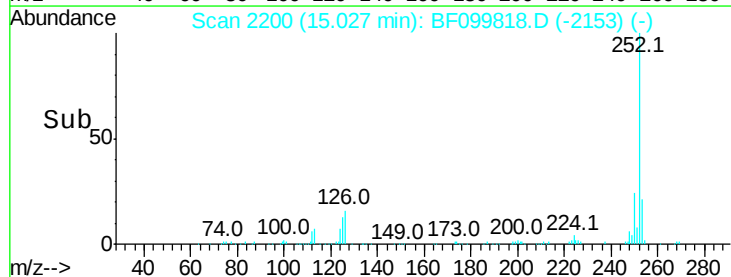
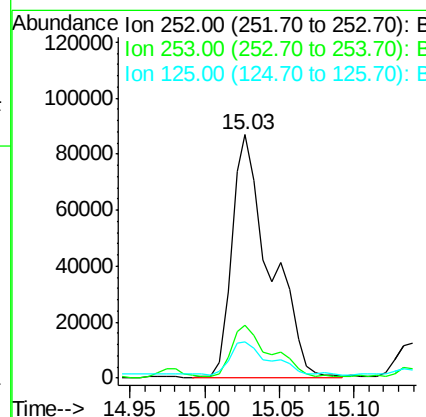
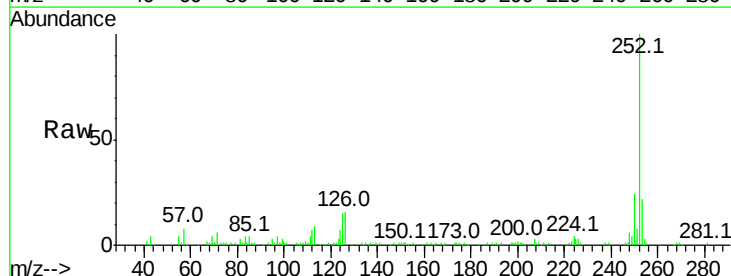
Instrument :
BNA_F
ClientSampleId :

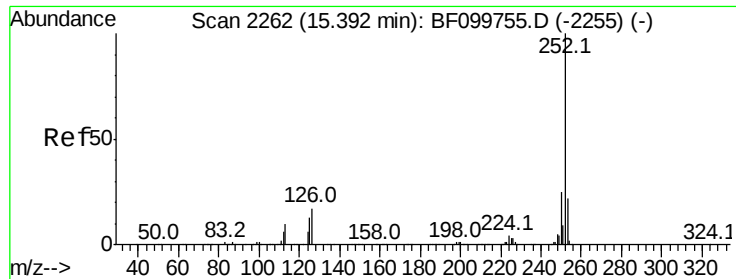
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	15.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 16.938 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	15.1	10.2	15.2

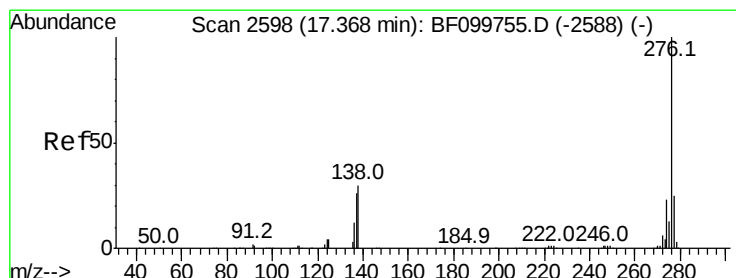
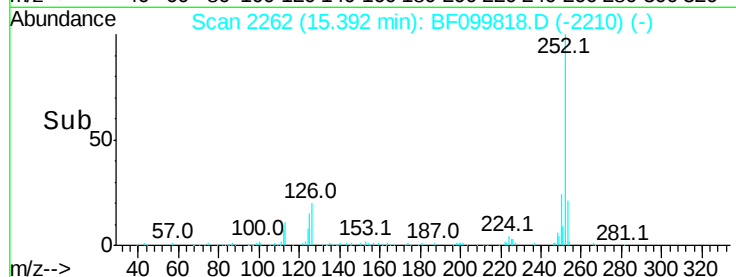
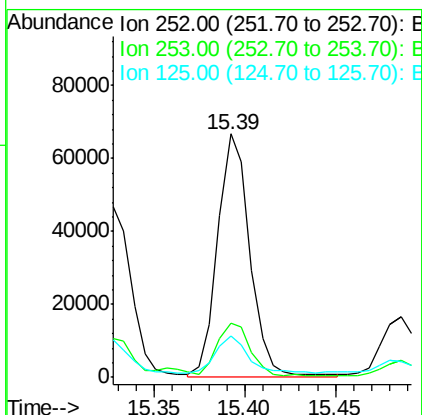
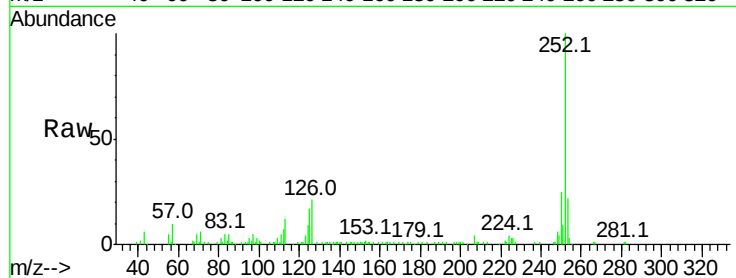




#89
Benzo(a)pyrene
Concen: 9.397 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 82286
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 17.1 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 4.810 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.01 min
Lab File: BF099818.D
Acq: 25 Oct 2017 17:29

Tgt Ion:276 Resp: 36616
Ion Ratio Lower Upper
276 100
277 27.0 17.9 26.9#
138 32.9 21.8 32.8#

