

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104120.D
 Acq On : 31 Mar 2018 4:32
 Operator : JU/SJ
 Sample : J2122-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

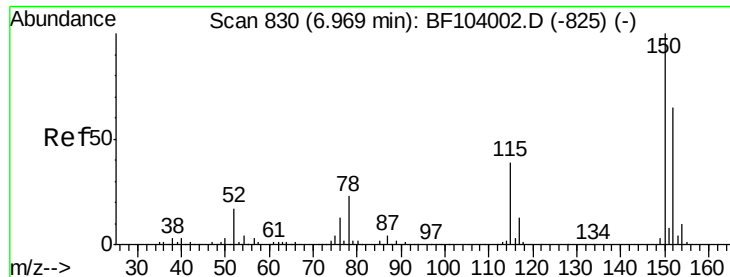
Quant Time: Mar 31 05:12:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	114318	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	475161	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	200080	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	310637	20.00	ng	0.00
75) Chrysene-d12	14.14	240	241512	20.00	ng	0.00
86) Perylene-d12	15.69	264	195928	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	735493	102.60	ng	0.00
7) Phenol-d6	6.59	99	988888	112.13	ng	0.00
23) Nitrobenzene-d5	7.52	82	570886	73.48	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	206909	92.87	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	951529	74.99	ng	0.00
78) Terphenyl-d14	13.07	244	704626	67.37	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	1964	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.52	70	70464	13.463	ng	# 72
25) Isophorone	7.52	82	570886	39.870	ng	# 64
49) Dimethylphthalate	9.70	163	83978	5.316	ng	# 99
56) 2,4-Dinitrotoluene	9.99	165	25284	5.830	ng	# 23
66) 4-Bromophenyl-phenylether	10.79	248	12226	3.679	ng	# 1
70) Phenanthrene	11.52	178	92860	5.521	ng	# 98
71) Anthracene	11.57	178	38223	2.176	ng	# 98
74) Fluoranthene	12.71	202	163542	9.148	ng	# 97
77) Pyrene	12.94	202	148090	8.530	ng	# 98
80) Benzo(a)anthracene	14.14	228	77279	5.114	ng	# 97
82) Chrysene	14.17	228	70394	4.756	ng	# 98
83) Bis(2-ethylhexyl)phthalate	14.09	149	33313	3.152	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.27	276	32057	2.090	ng	# 89
87) Benzo(b)fluoranthene	15.23	252	110128	9.236	ng	# 87
88) Benzo(k)fluoranthene	15.23	252	110128	9.804	ng	# 90
89) Benzo(a)pyrene	15.63	252	58310	5.277	ng	# 89
91) Benzo(g,h,i)perylene	17.76	276	29901	2.922	ng	# 91

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

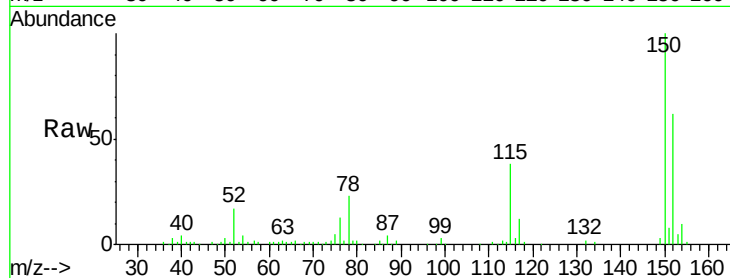


#1

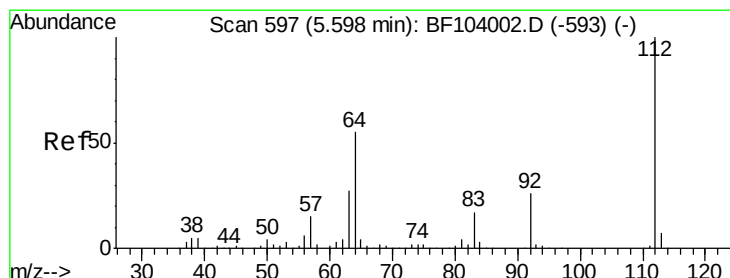
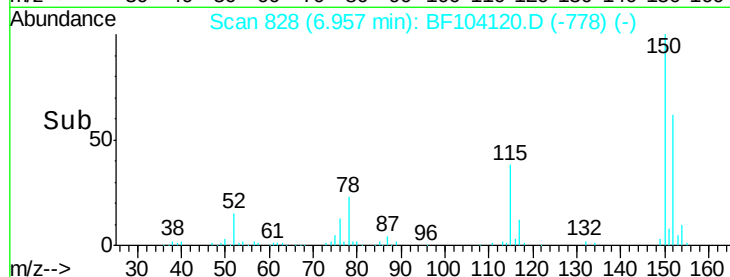
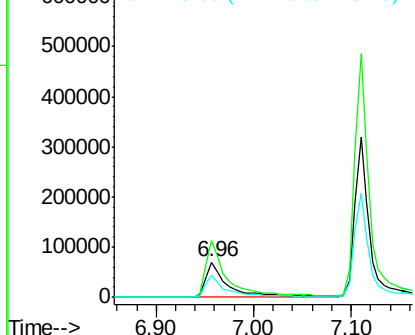
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114318
Ion Ratio Lower Upper
152 100
150 162.4 124.6 186.8
115 61.1 50.1 75.1



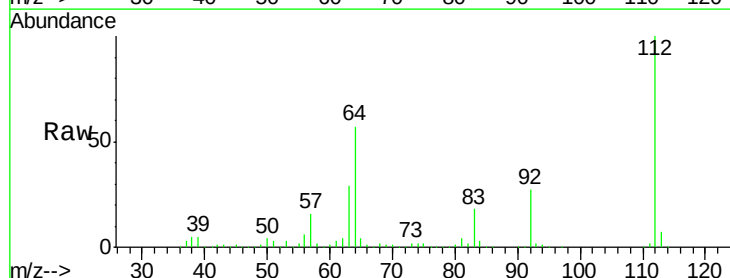
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



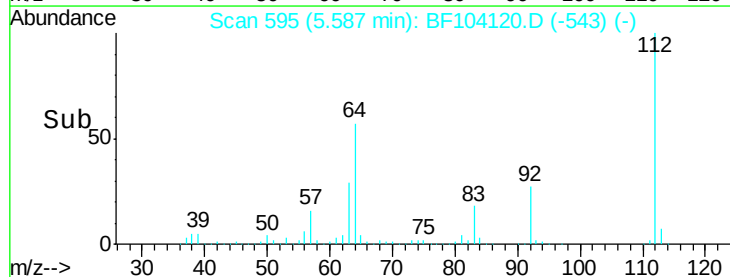
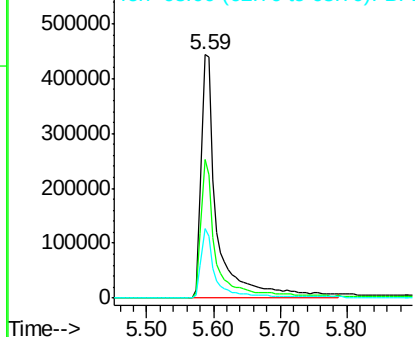
#5

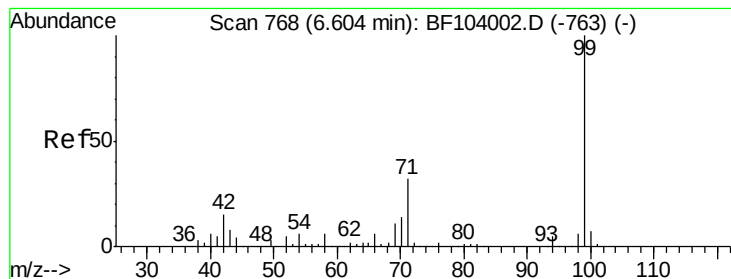
2-Fluorophenol
Concen: 102.602 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Tgt Ion:112 Resp: 735493
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 28.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 112.128 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

Instrument :

BNA_F

ClientSampleId :

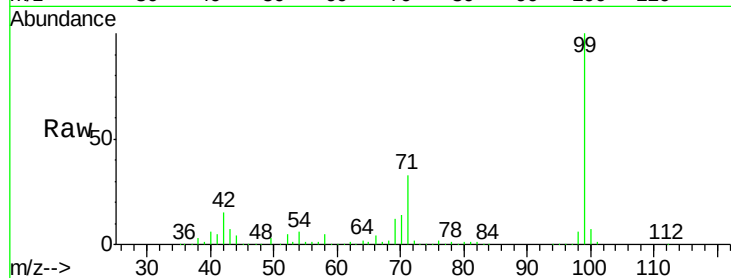
Tot Ion: 99 Resp: 988888

Ion Ratio Lower Upper

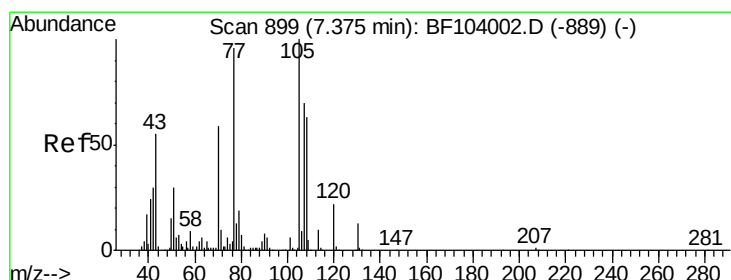
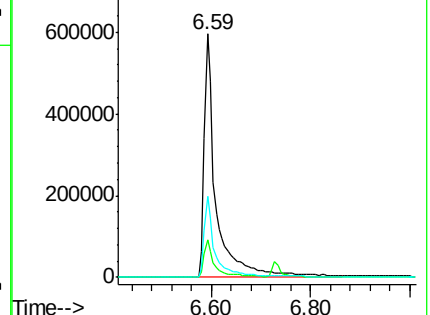
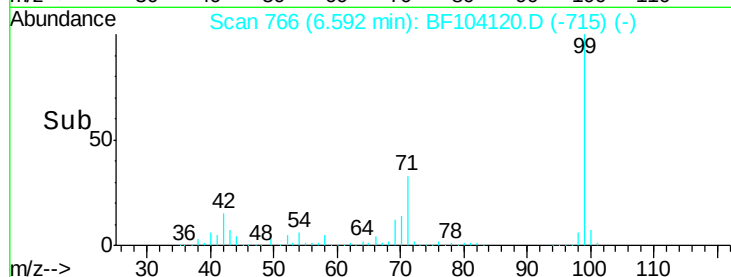
99 100

42 15.4 14.5 21.7

71 33.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.463 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.16 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

Tgt Ion: 70 Resp: 70464

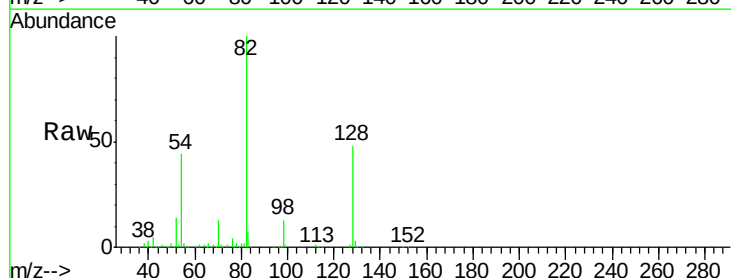
Ion Ratio Lower Upper

70 100

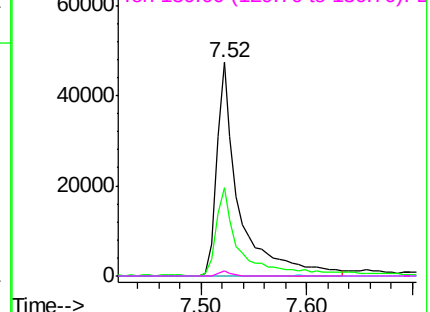
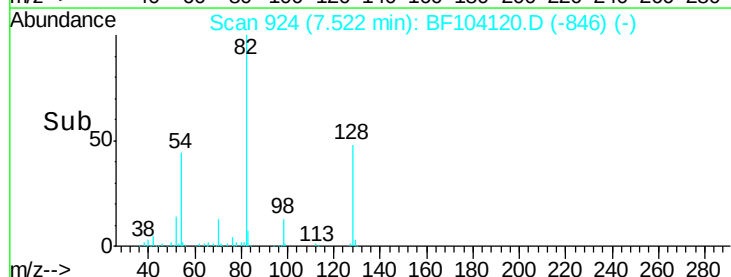
42 41.5 47.5 71.3#

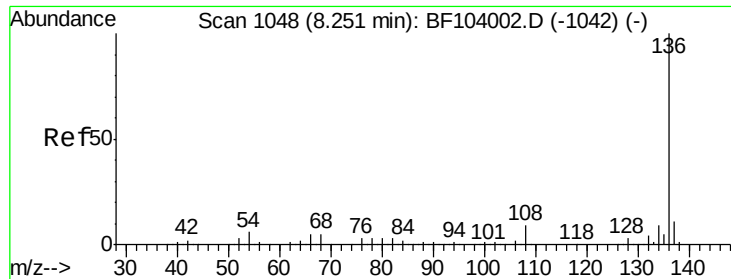
101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 475161

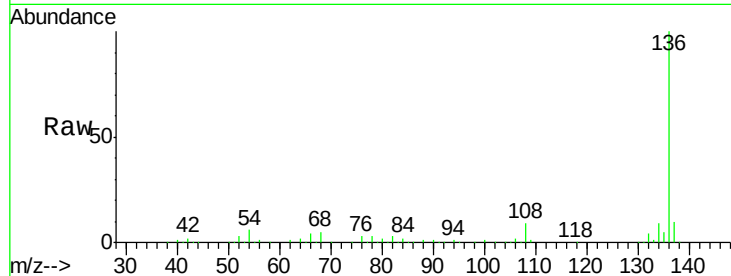
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.0 6.6 9.8#

68 5.1 5.0 7.4

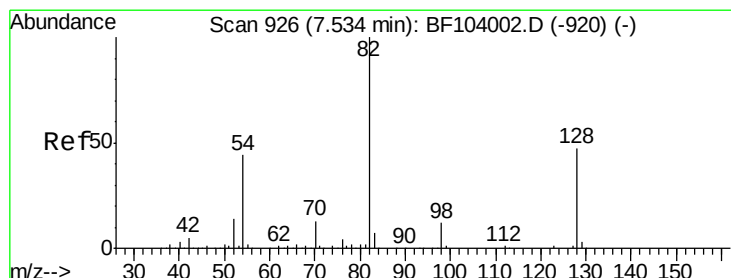
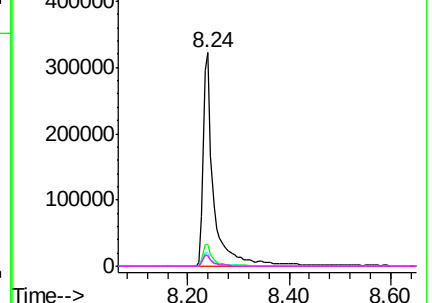
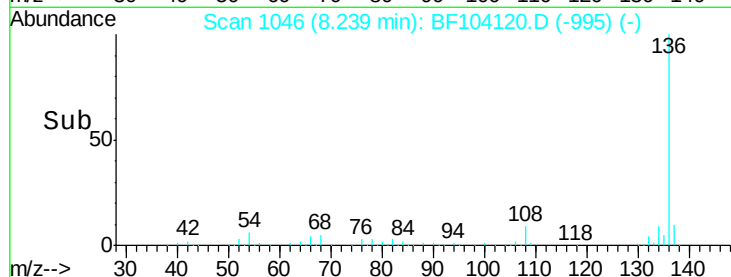


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 73.476 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

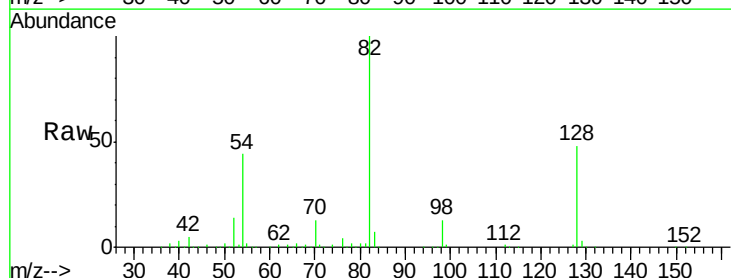
Tgt Ion: 82 Resp: 570886

Ion Ratio Lower Upper

82 100

128 47.8 36.1 54.1

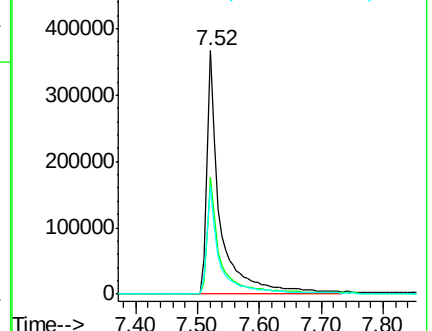
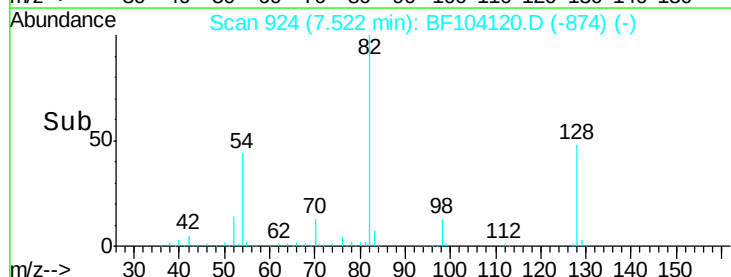
54 44.3 41.4 62.2

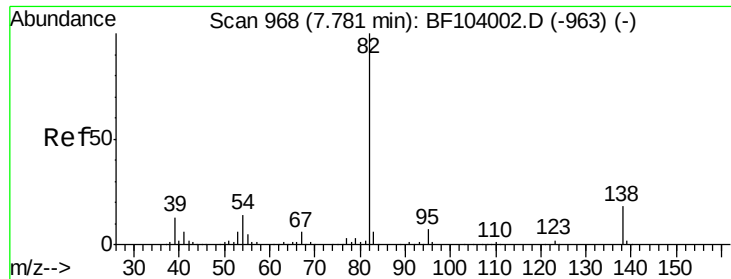


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

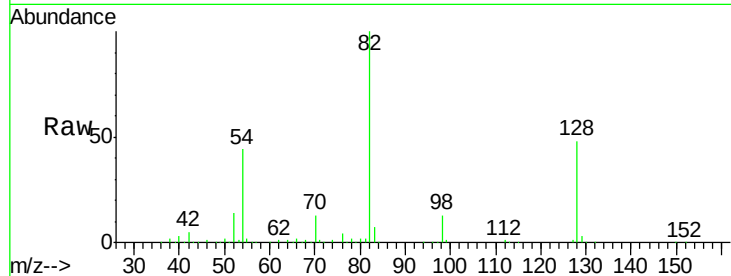




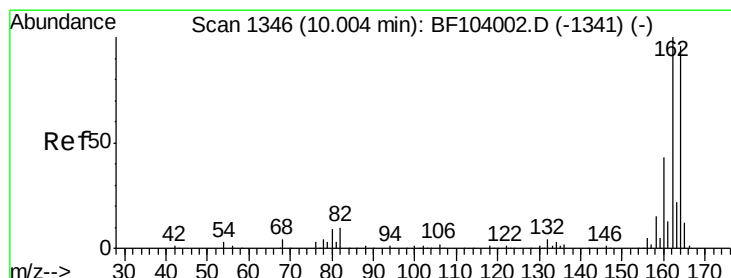
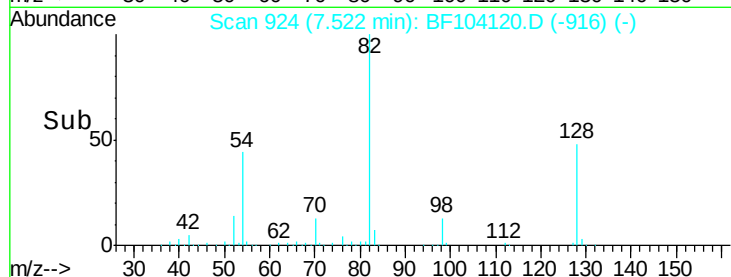
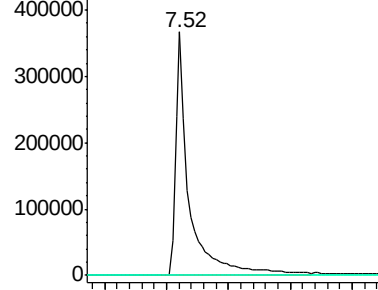
#25
Isophorone
Concen: 39.870 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 570886
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

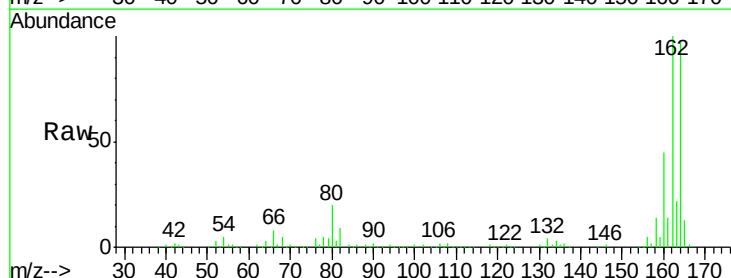


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

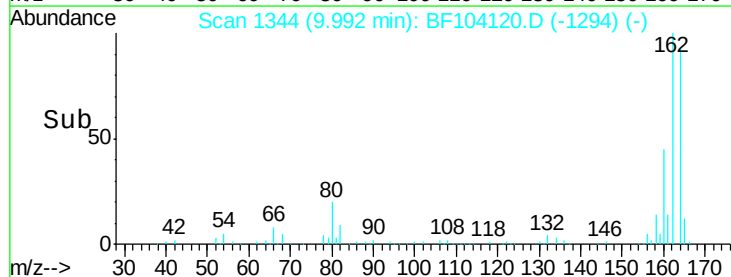
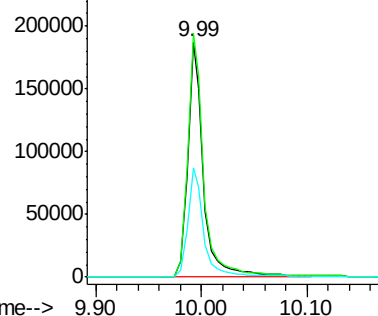


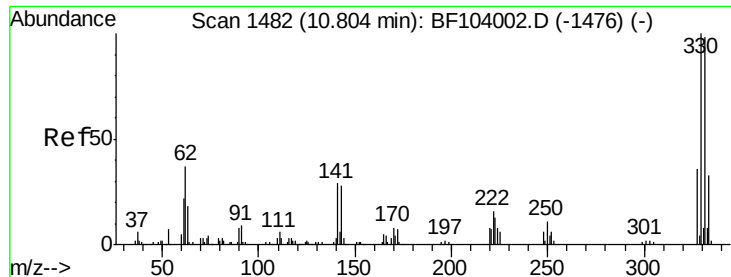
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Tgt Ion:164 Resp: 200080
Ion Ratio Lower Upper
164 100
162 103.6 86.1 129.1
160 46.4 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

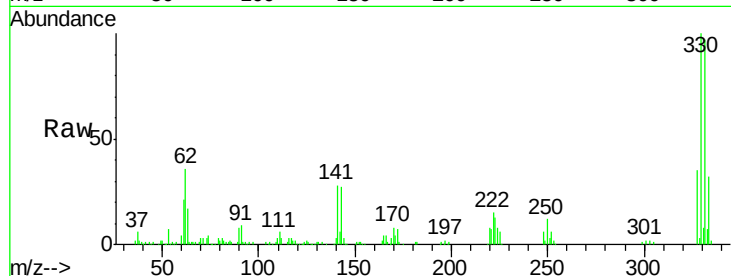




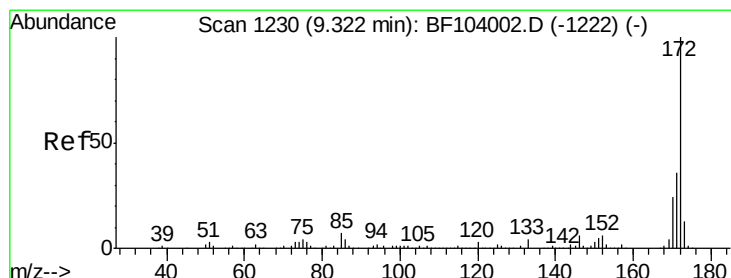
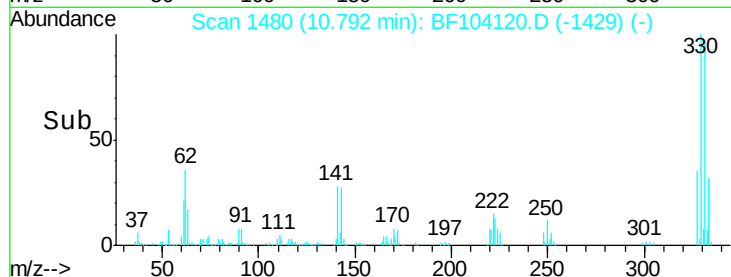
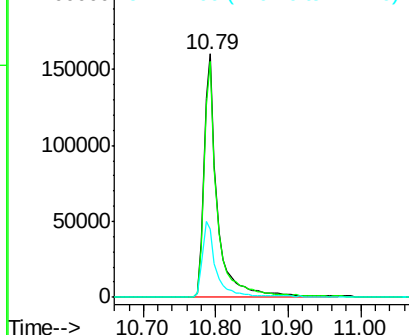
#41
 2,4,6-Tribromophenol
 Concen: 92.872 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF104120.D
 Acq: 31 Mar 2018 4:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	33.5	29.9	44.9

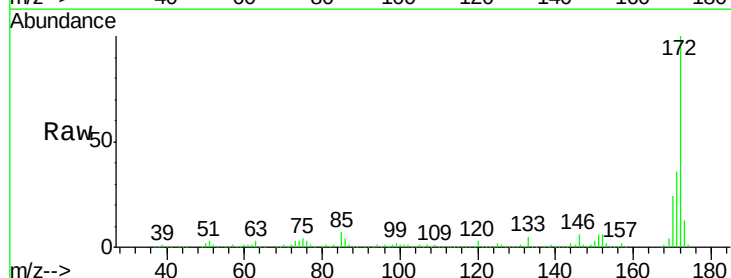


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

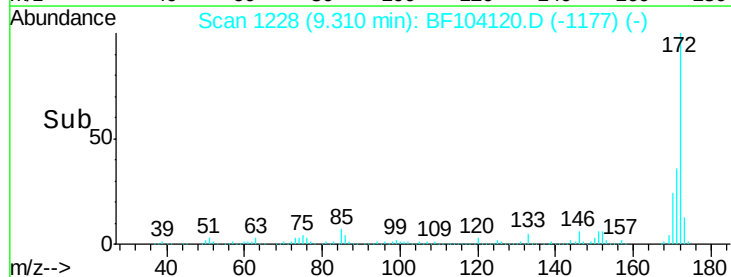
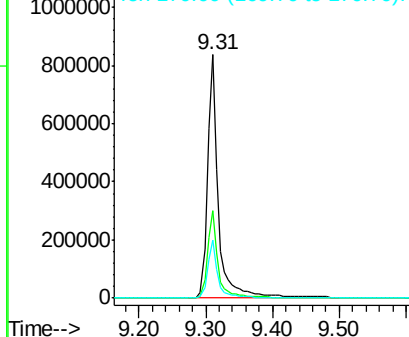


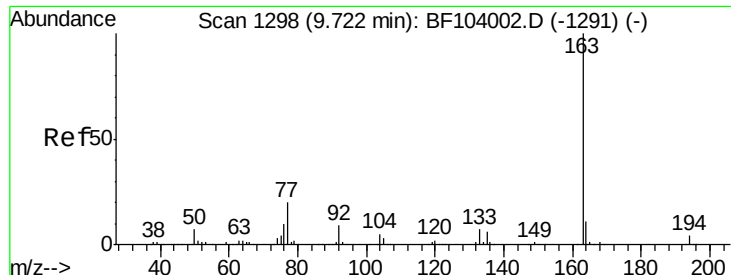
#44
 2-Fluorobiphenyl
 Concen: 74.994 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF104120.D
 Acq: 31 Mar 2018 4:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.8	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

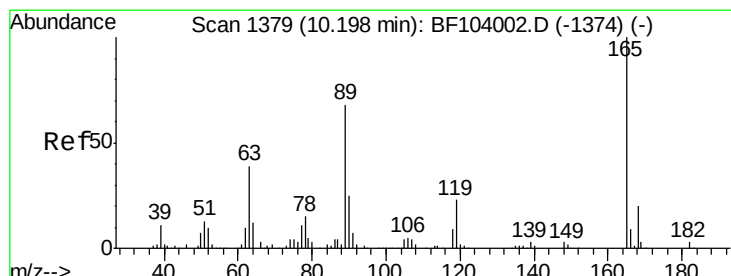
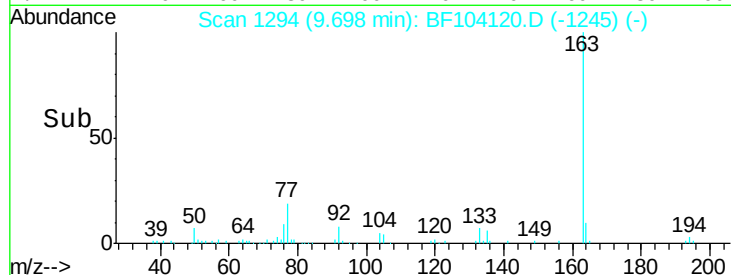
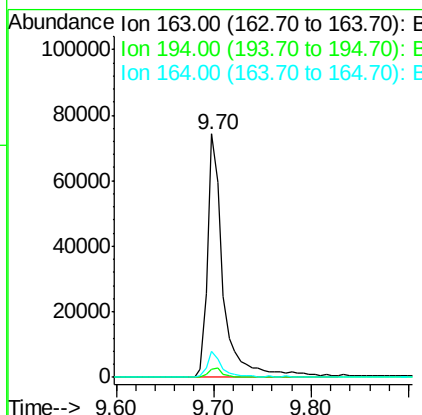
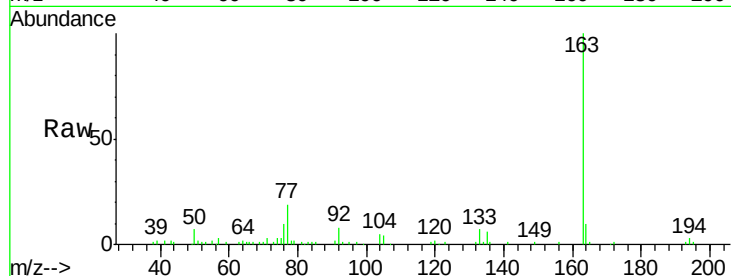




#49
Dimethylphthalate
Concen: 5.316 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

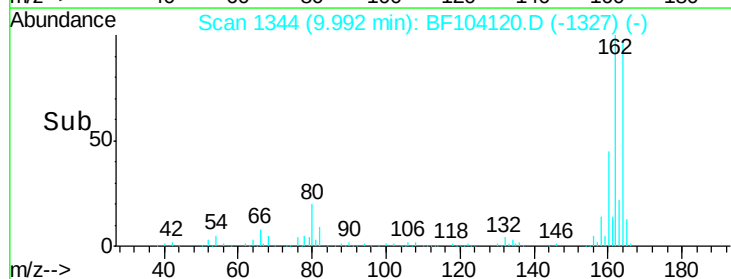
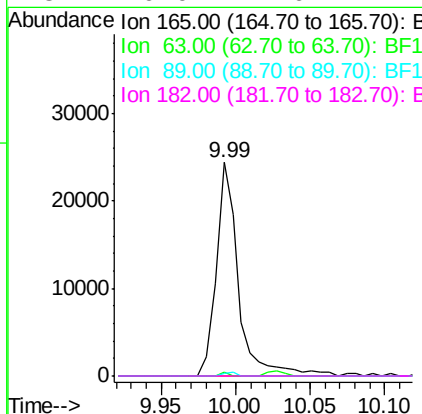
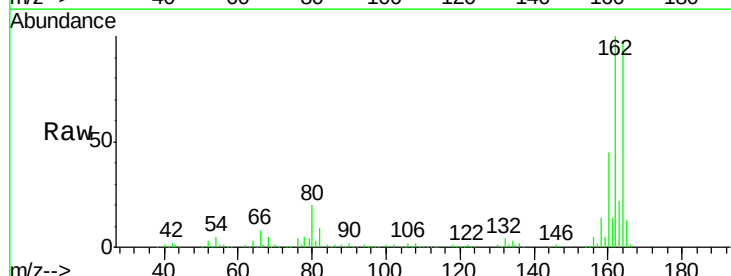
Instrument :
BNA_F
ClientSampleId :

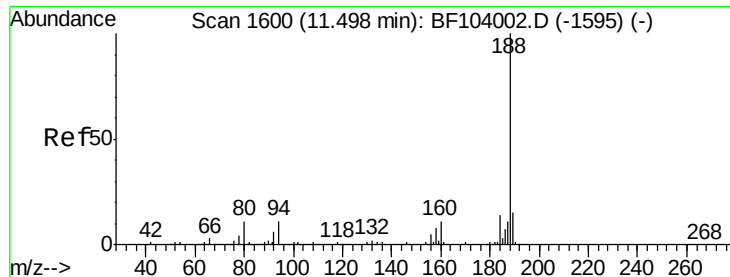
Tot Ion:163 Resp: 83978
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.5 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.830 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Tgt Ion:165 Resp: 25284
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

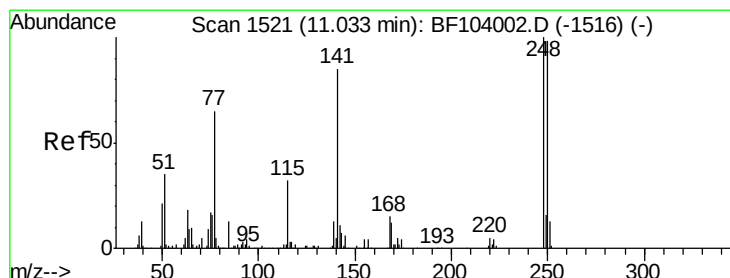
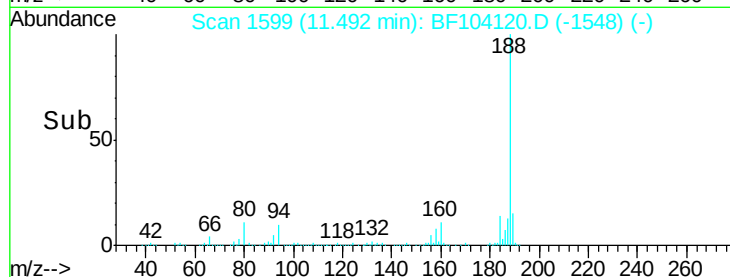
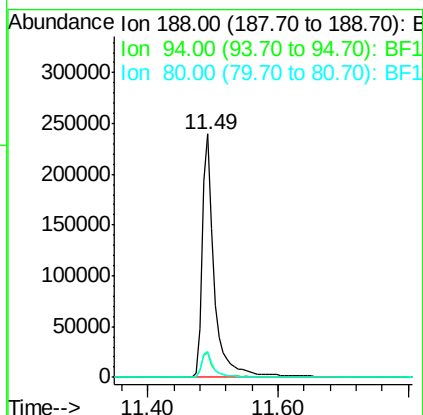
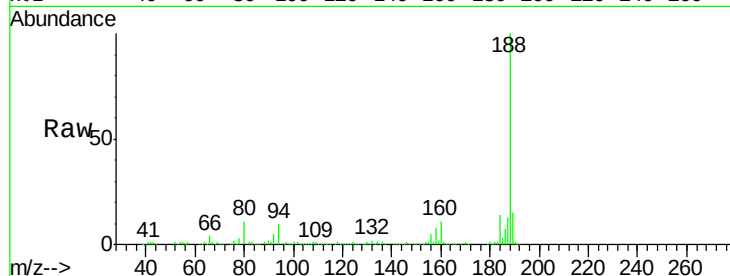




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

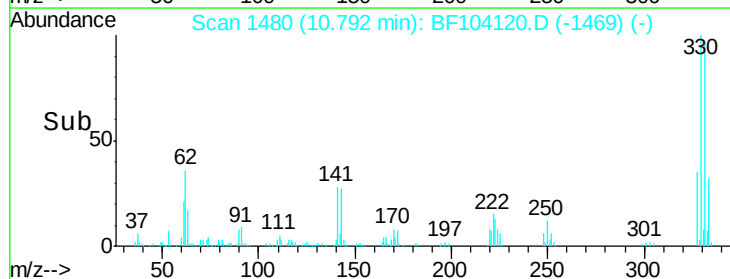
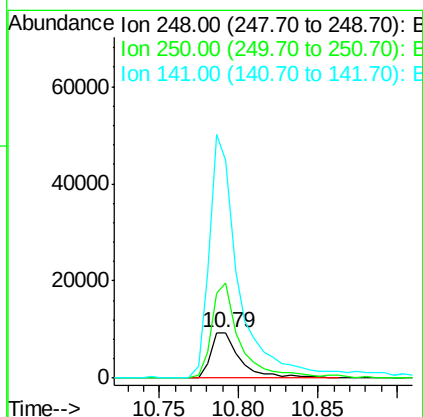
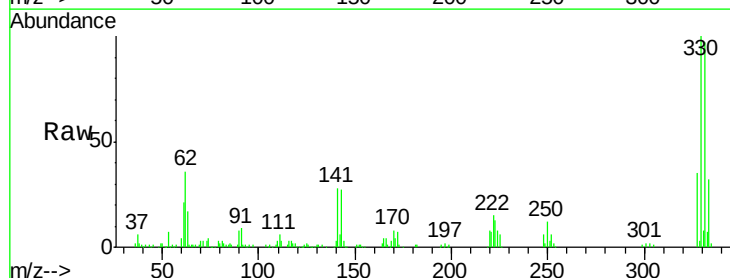
Instrument :
BNA_F
ClientSampleId :

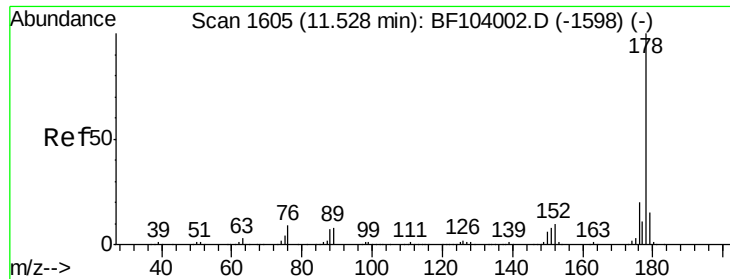
Tot Ion:188 Resp: 310637
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.679 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Tgt Ion:248 Resp: 12226
Ion Ratio Lower Upper
248 100
250 208.9 76.9 115.3#
141 476.7 74.4 111.6#

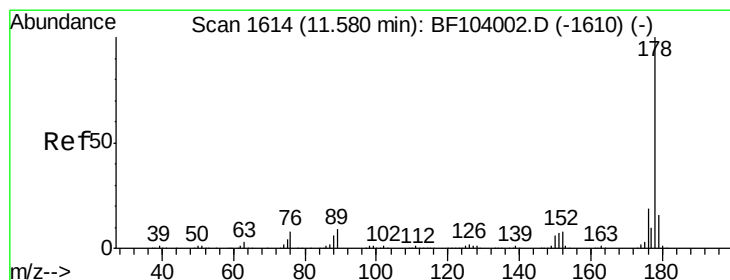
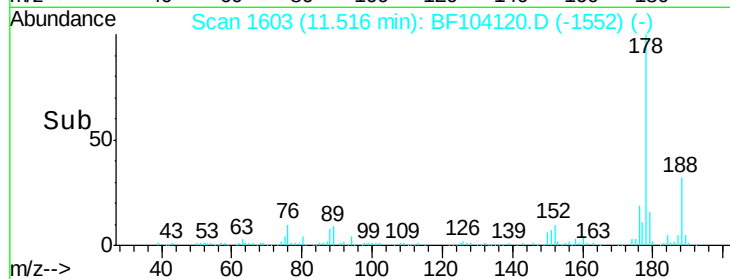
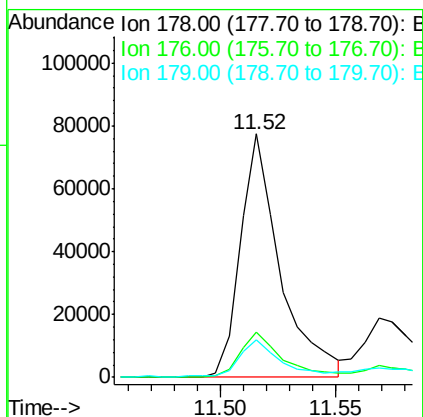
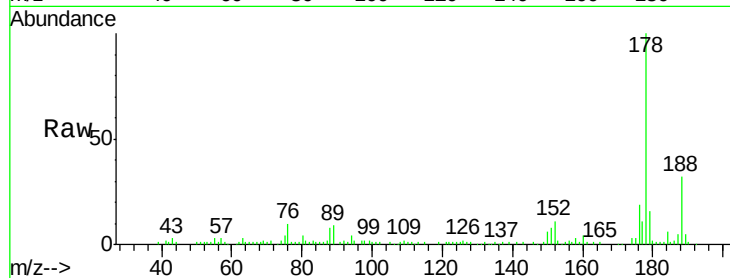




#70
Phenanthrene
Concen: 5.521 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

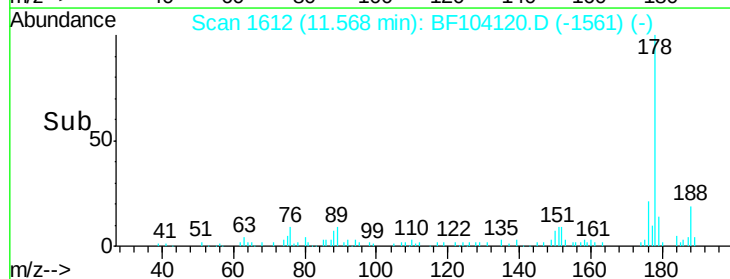
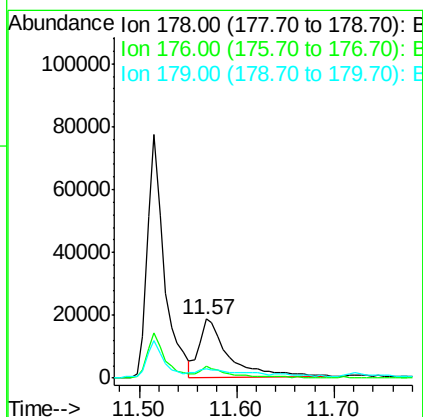
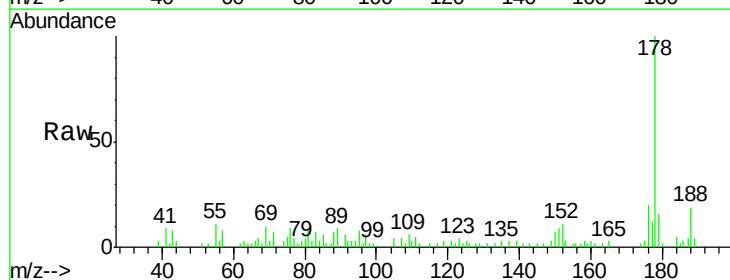
Instrument :
BNA_F
ClientSampleId :

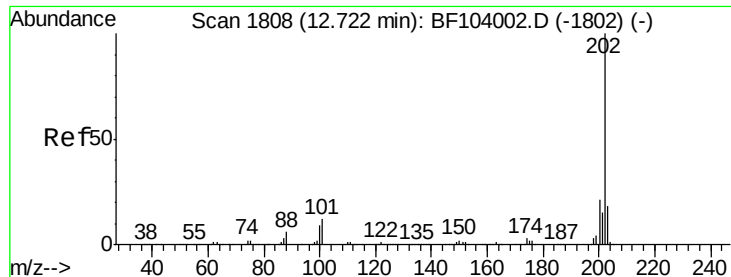
Tot Ion:178 Resp: 92860
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.6 13.0 19.6



#71
Anthracene
Concen: 2.176 ng
RT: 11.57 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Tgt Ion:178 Resp: 38223
Ion Ratio Lower Upper
178 100
176 20.5 15.4 23.2
179 15.7 12.6 19.0





#74

Fluoranthene

Concen: 9.148 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

Instrument :

BNA_F

ClientSampleId :

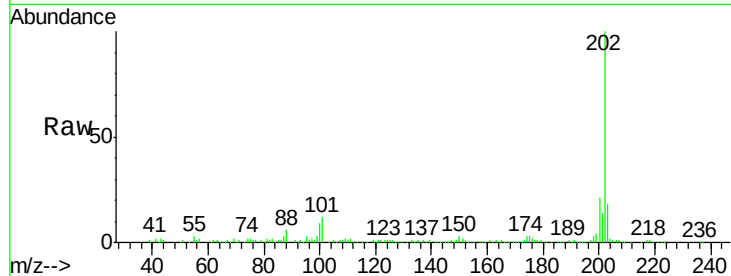
Tot Ion:202 Resp: 163542

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

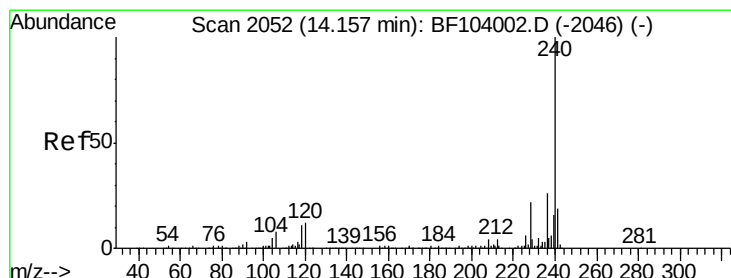
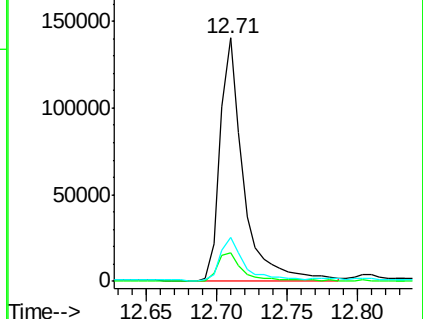
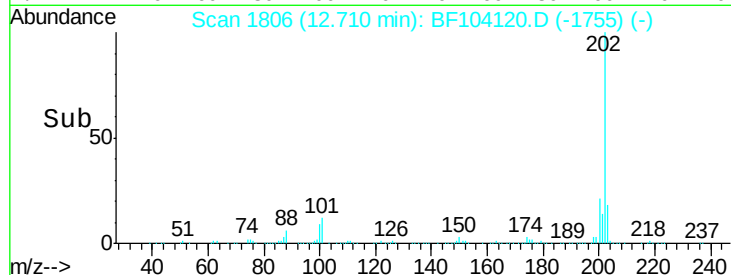
203 17.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

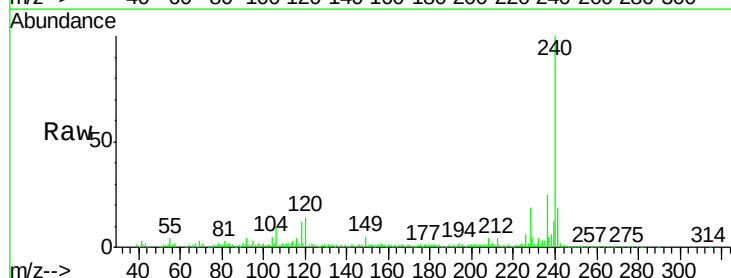
Tgt Ion:240 Resp: 241512

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

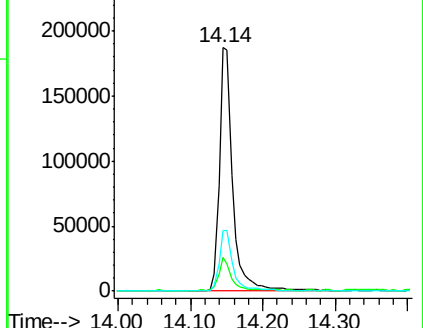
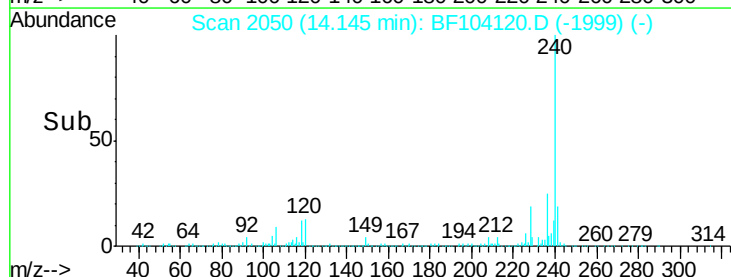
236 24.9 20.7 31.1

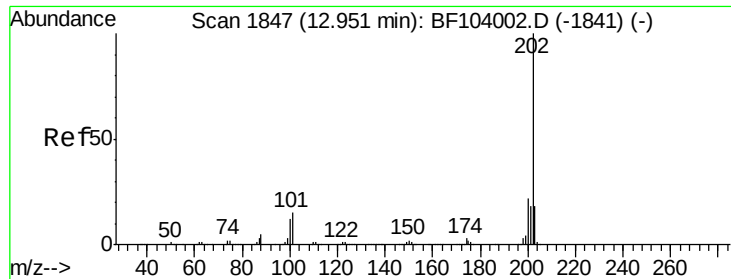


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

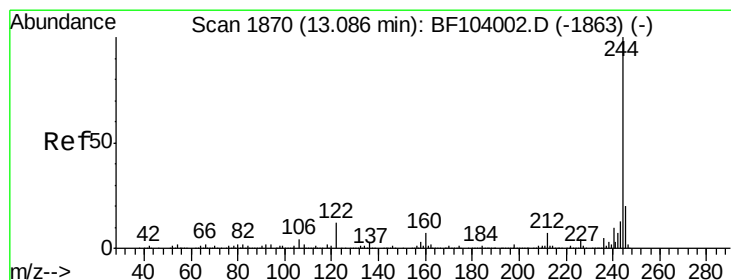
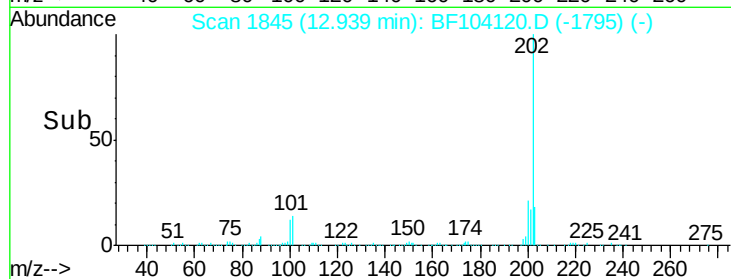
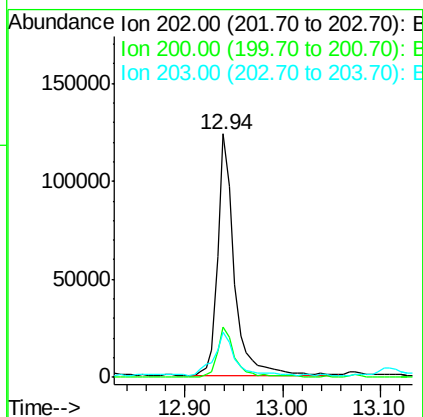
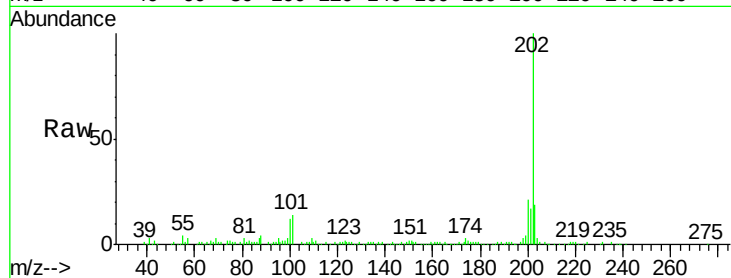




#77
Pvrene
Concen: 8.530 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

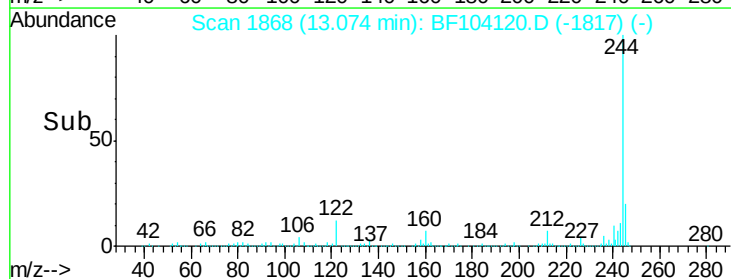
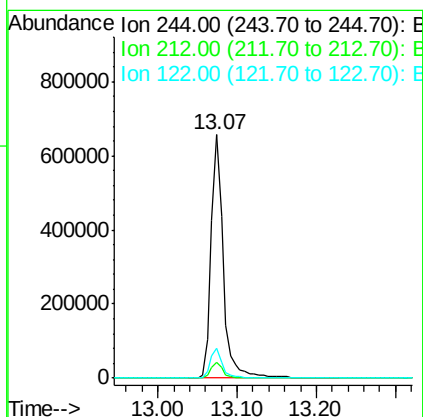
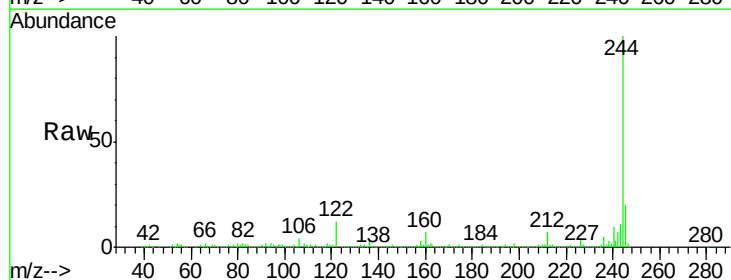
Instrument :
BNA_F
ClientSampleId :

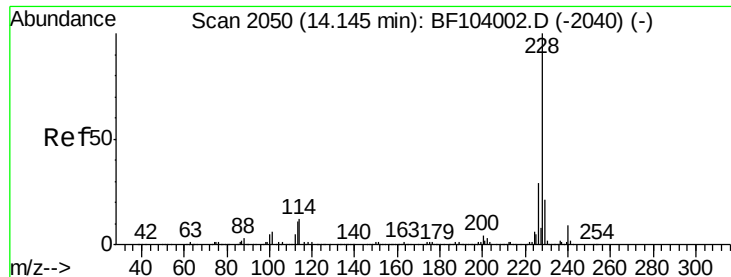
Tot Ion:202 Resp: 148090
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 18.5 14.3 21.5



#78
Terphenyl-d14
Concen: 67.365 ng
RT: 13.07 min Scan# 1868
Delta R.T. 0.00 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Tgt Ion:244 Resp: 704626
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 12.3 11.0 16.4





#80

Benzo(a)anthracene

Concen: 5.114 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.01 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

Instrument :

BNA_F

ClientSampleId :

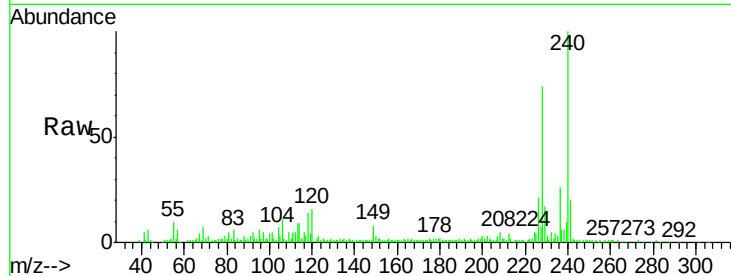
Tot Ion:228 Resp: 77279

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

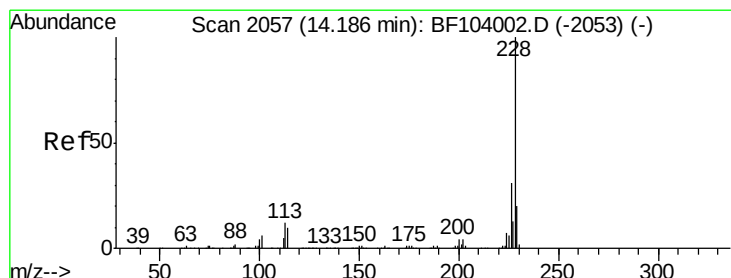
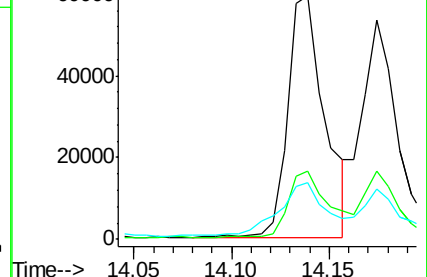
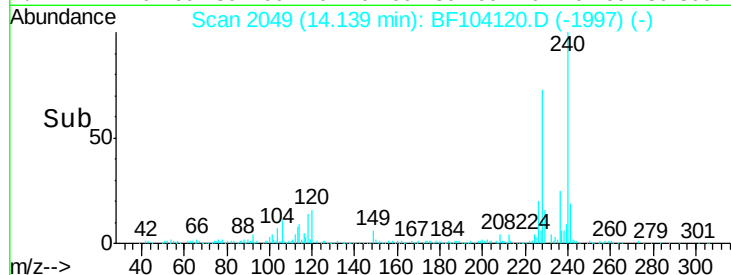
229 23.1 15.8 23.6



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: 4.756 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

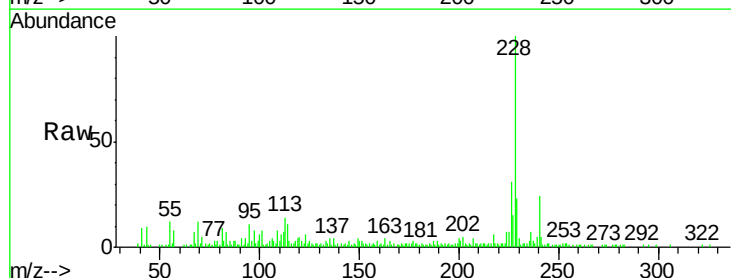
Tgt Ion:228 Resp: 70394

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

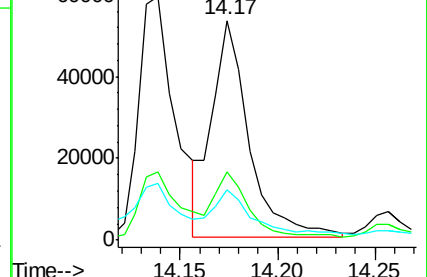
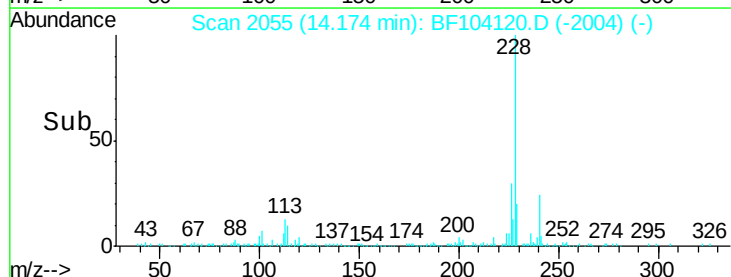
229 22.7 16.2 24.4

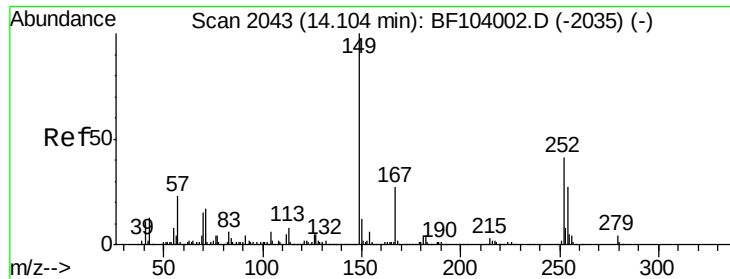


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.152 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

Instrument :

BNA_F

ClientSampled :

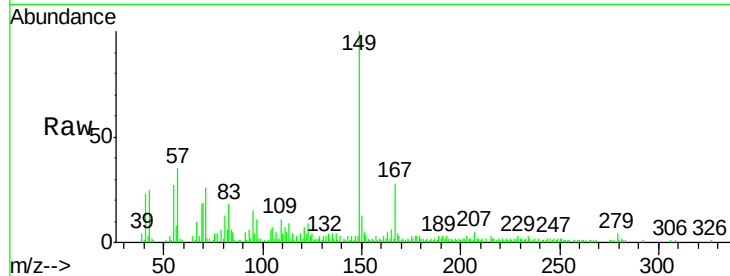
Tot Ion:149 Resp: 33313

Ion Ratio Lower Upper

149 100

167 27.9 21.3 31.9

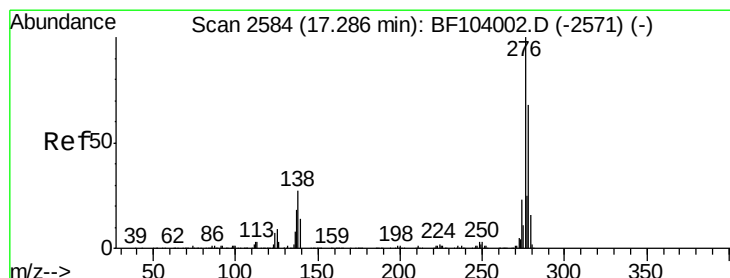
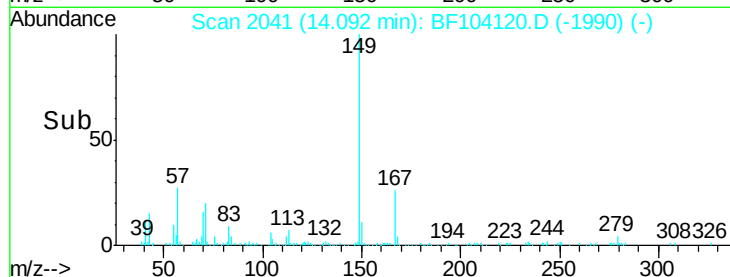
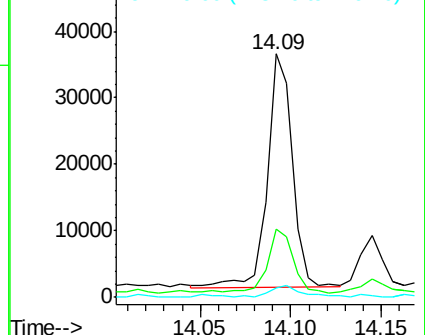
279 3.6 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.090 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

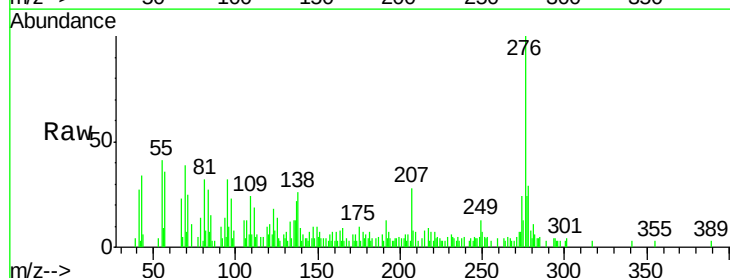
Tgt Ion:276 Resp: 32057

Ion Ratio Lower Upper

276 100

138 22.4 25.0 37.6#

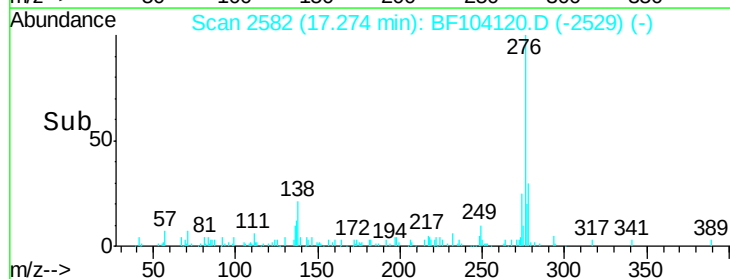
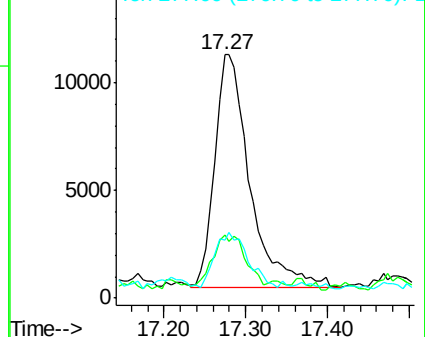
277 23.1 20.1 30.1

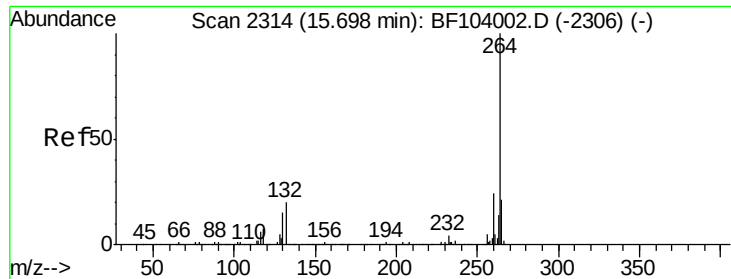


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

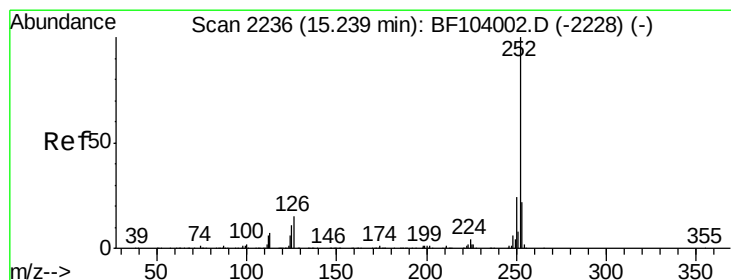
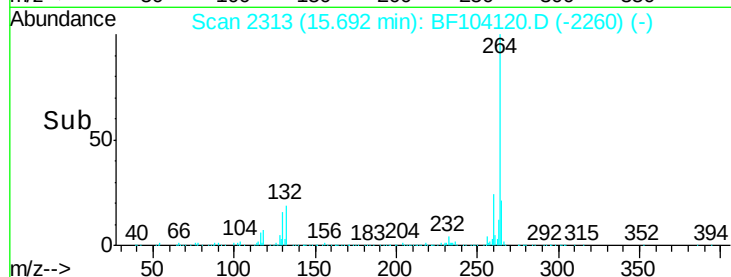
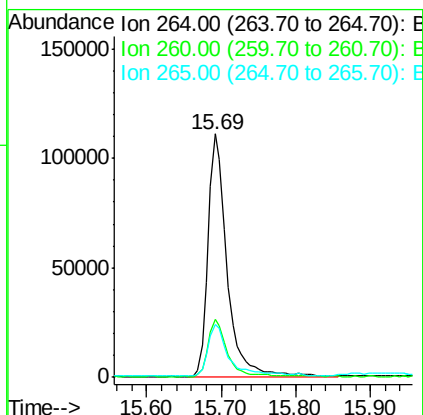
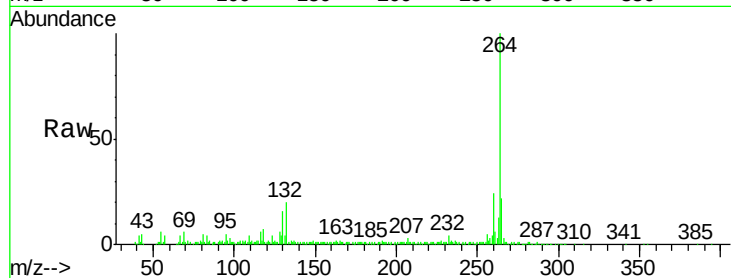




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

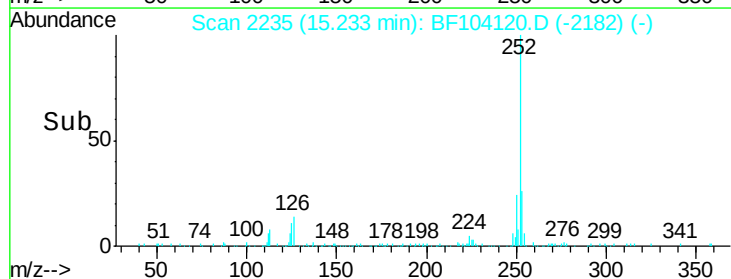
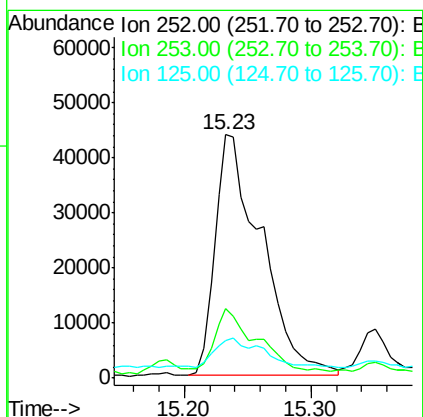
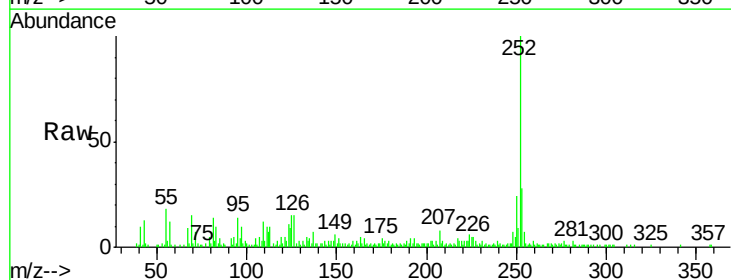
Instrument :
BNA_F
ClientSampleId :

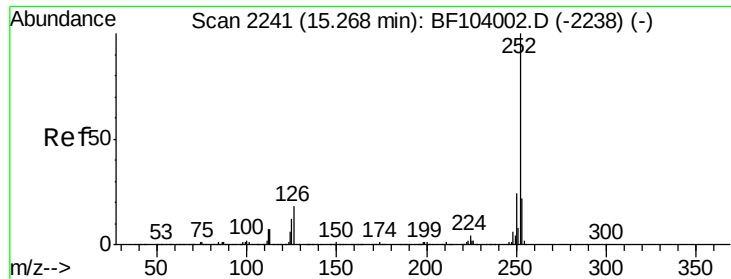
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 9.236 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.0	25.6#
125	15.3	9.0	13.6#

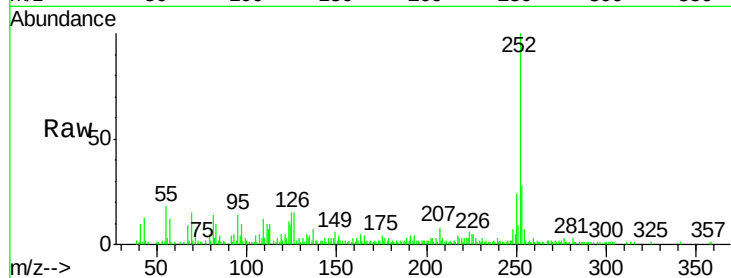




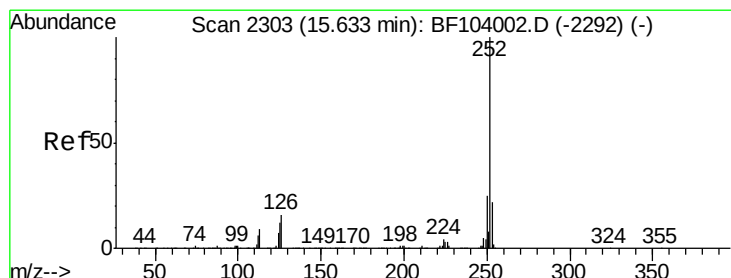
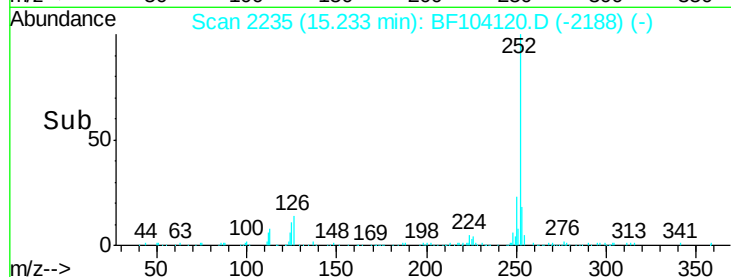
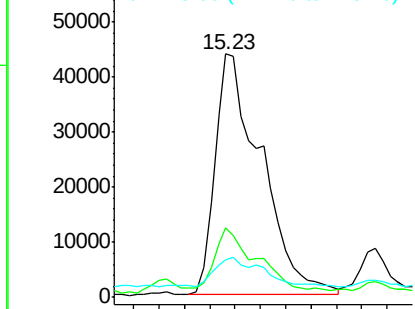
#88
Benzo(k)fluoranthene
Concen: 9.804 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.9	26.9#
125	15.3	10.2	15.2#

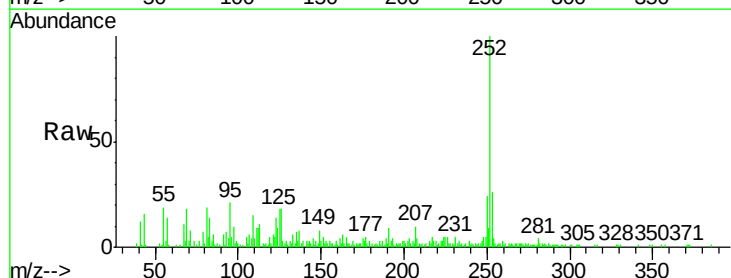


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

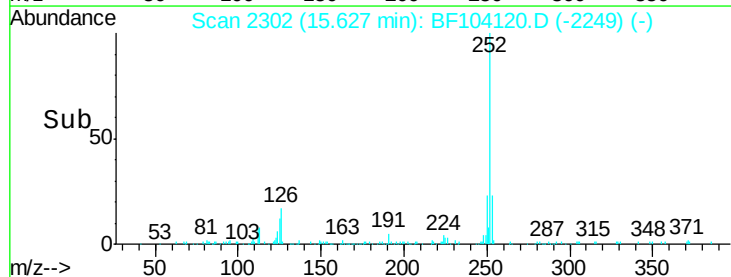
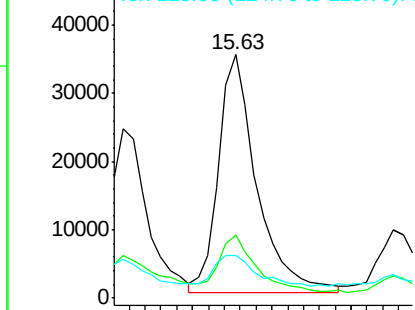


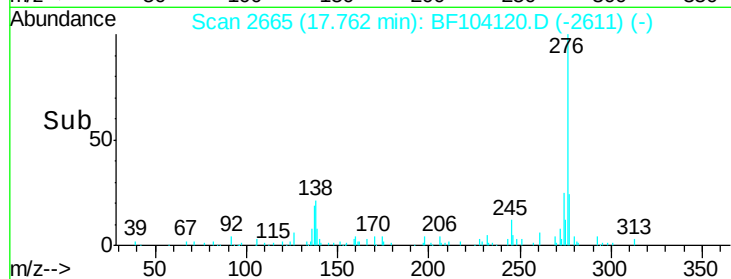
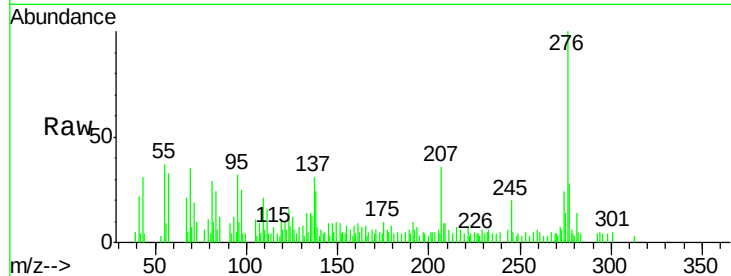
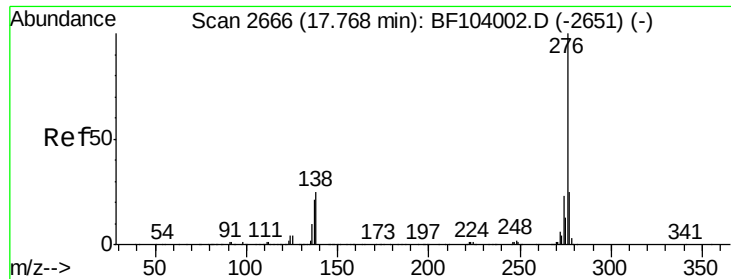
#89
Benzo(a)pyrene
Concen: 5.277 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF104120.D
Acq: 31 Mar 2018 4:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.1	25.7#
125	17.7	9.8	14.6#



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





#91

Benzo(a,h,i)perylene

Concen: 2.922 ng

RT: 17.76 min Scan# 2665

Delta R.T. 0.02 min

Lab File: BF104120.D

Acq: 31 Mar 2018 4:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 29901

Ion Ratio Lower Upper

276 100

277 28.4 17.9 26.9#

138 24.2 21.8 32.8

