

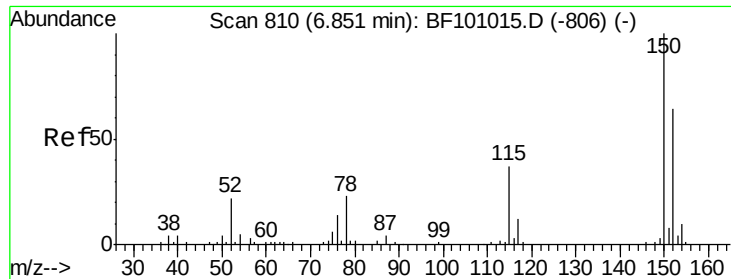
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101123.D
 Acq On : 5 Dec 2017 14:42
 Operator : SJ/JU
 Sample : I6718-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 15:12:31 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	56643	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	216901	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	104676	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	199502	20.00	ng	0.00
75) Chrysene-d12	14.02	240	121628	20.00	ng	0.00
86) Perylene-d12	15.49	264	119867	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	477216	139.22	ng	0.02
7) Phenol-d6	6.49	99	573767	137.87	ng	0.00
23) Nitrobenzene-d5	7.42	82	357665	98.37	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	170294	135.43	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	691124	90.34	ng	0.00
78) Terphenyl-d14	12.96	244	613901	110.40	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	10654	4.18	ng	83
10) Phenol	6.50	94	16172	3.49	ng	94
19) n-Nitroso-di-n-propylamine	7.42	70	47543	16.96	ng	# 80
25) Isophorone	7.42	82	357659	57.59	ng	# 64
49) Dimethylphthalate	9.60	163	126034	14.93	ng	99
51) Acenaphthene	9.92	154	26193	3.91	ng	98
55) 4-Nitrophenol	10.09	139	5920	4.39	ng	# 9
56) 2,4-Dinitrotoluene	9.89	165	13206	5.54	ng	# 21
66) 4-Bromophenyl-phenylether	10.68	248	10855	4.86	ng	# 1
70) Phenanthrene	11.40	178	43289	3.94	ng	98
71) Anthracene	11.40	178	43289	3.89	ng	99
74) Fluoranthene	12.59	202	66949	5.50	ng	95
77) Pyrene	12.82	202	44001	5.24	ng	99

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

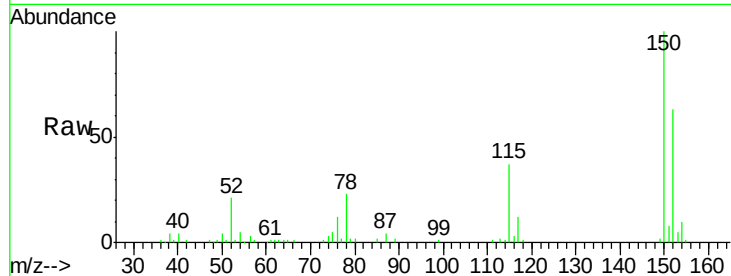


#1

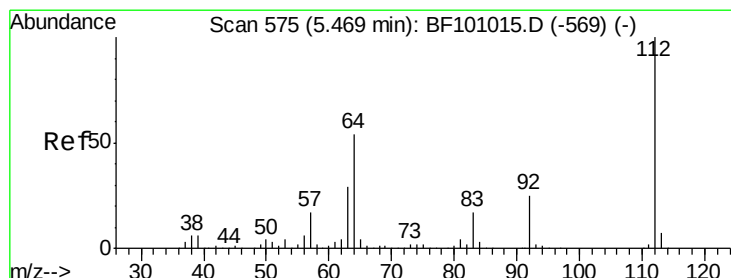
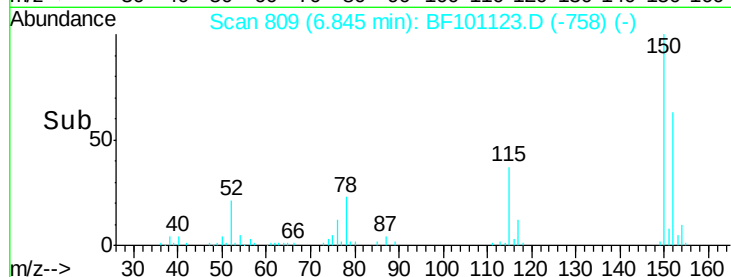
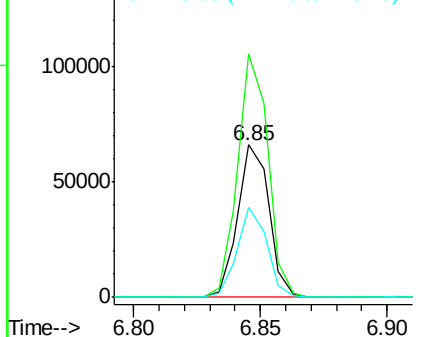
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 56643
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 59.5 50.1 75.1



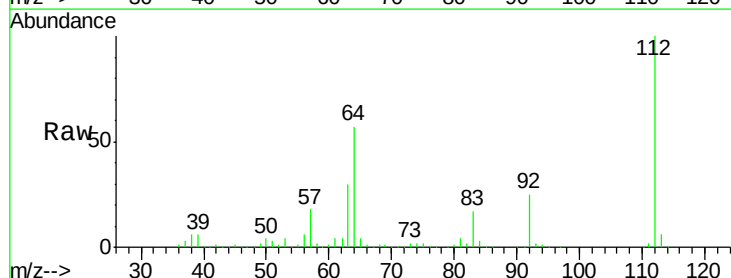
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



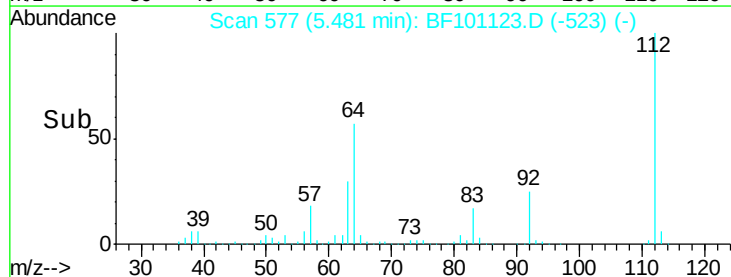
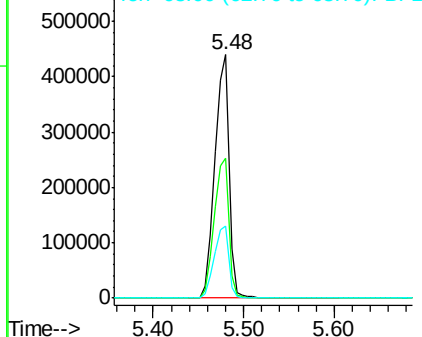
#5

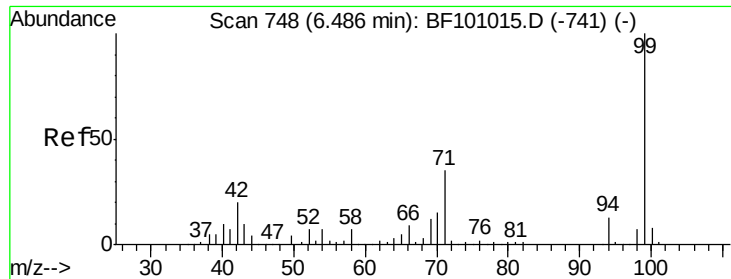
2-Fluorophenol
Concen: 139.22 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.02 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Tgt Ion:112 Resp: 477216
Ion Ratio Lower Upper
112 100
64 57.2 47.9 71.9
63 29.6 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: 137.87 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101123.D

Acq: 5 Dec 2017 14:42

Instrument :

BNA_F

ClientSampleId :

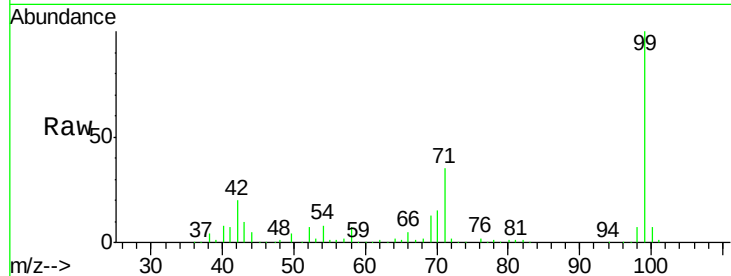
Tot Ion: 99 Resp: 573767

Ion Ratio Lower Upper

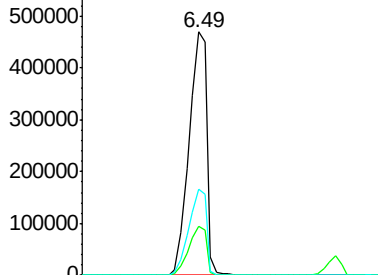
99 100

42 20.4 14.5 21.7

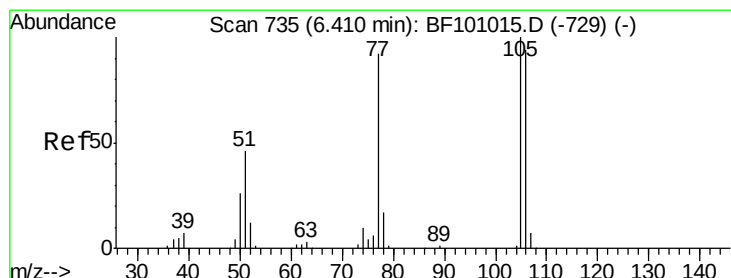
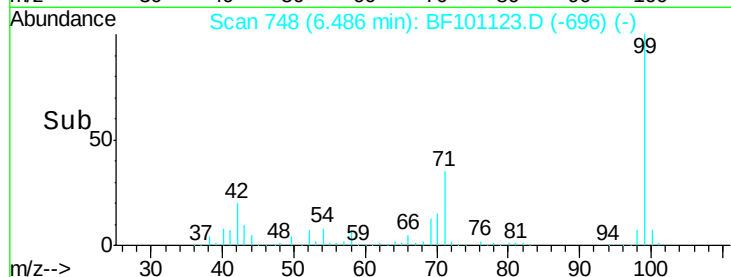
71 35.4 25.4 38.0



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



Time-->



#9

Benzaldehyde

Concen: 4.18 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.22 min

Lab File: BF101123.D

Acq: 5 Dec 2017 14:42

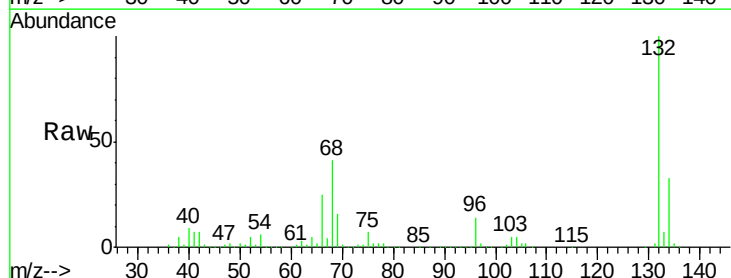
Tgt Ion: 77 Resp: 10654

Ion Ratio Lower Upper

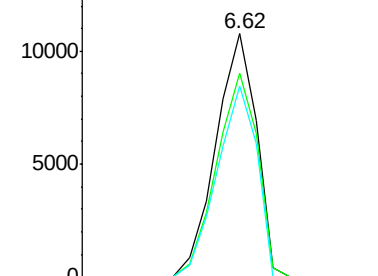
77 100

105 84.0 81.1 121.1

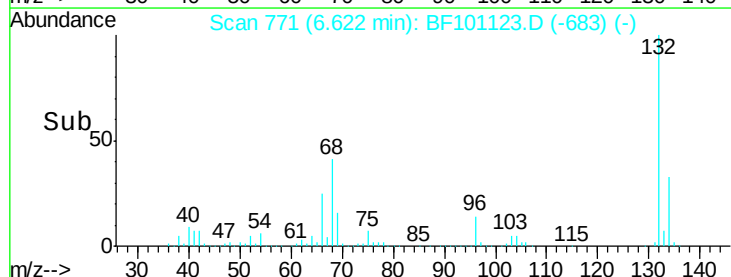
106 78.6 74.5 114.5

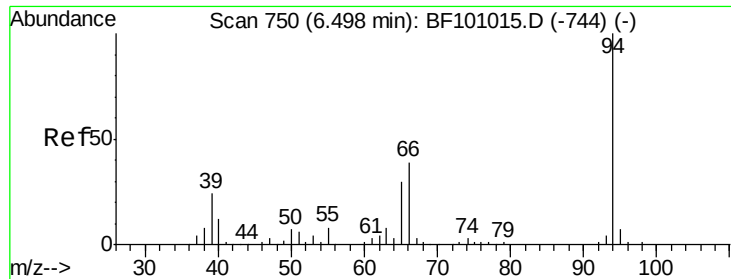


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1



Time-->

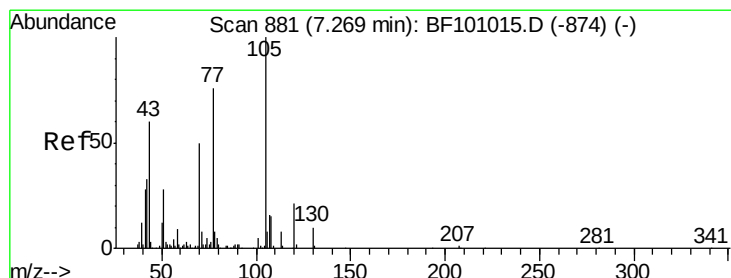
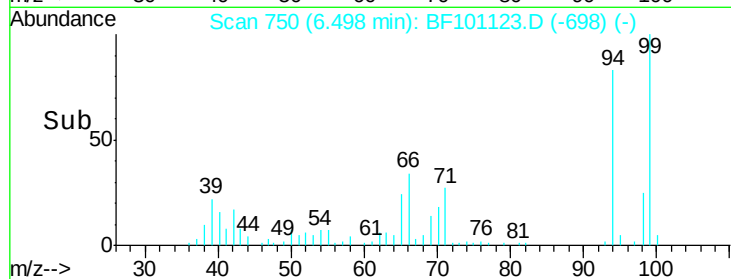
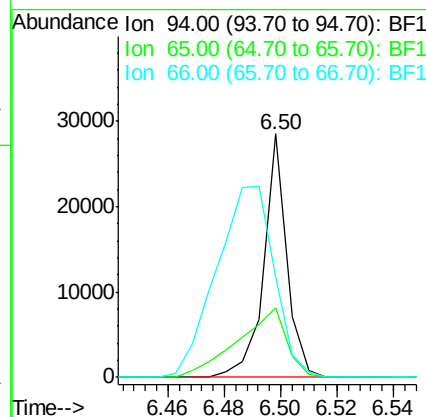
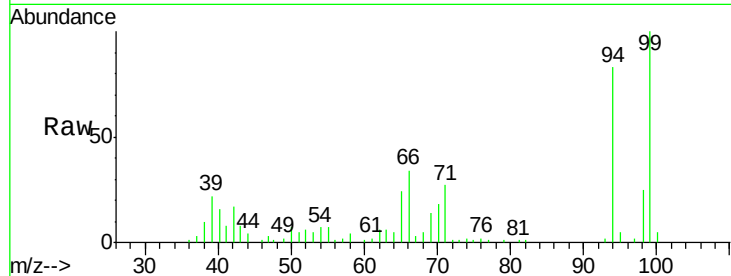




#10
Phenol
Concen: 3.49 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

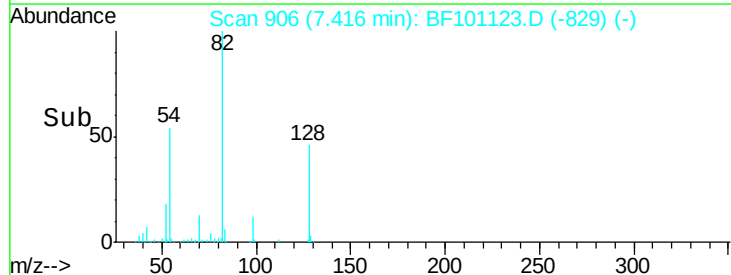
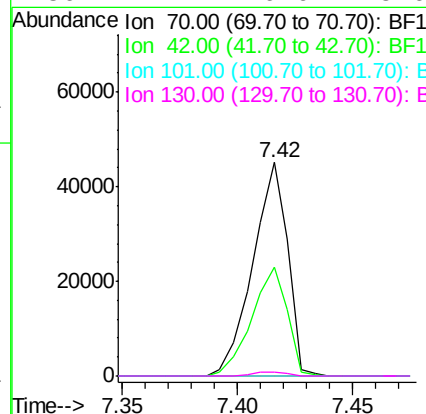
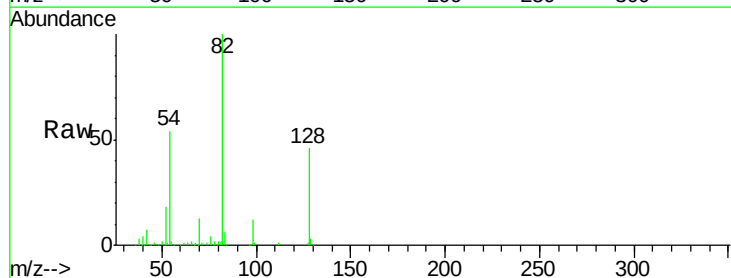
Instrument :
BNA_F
ClientSampled :

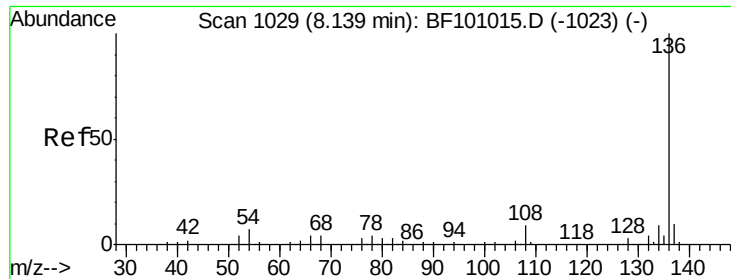
Tot Ion: 94 Resp: 16172
Ion Ratio Lower Upper
94 100
65 28.8 7.9 47.9
66 41.3 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.96 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Tgt Ion: 70 Resp: 47543
Ion Ratio Lower Upper
70 100
42 50.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

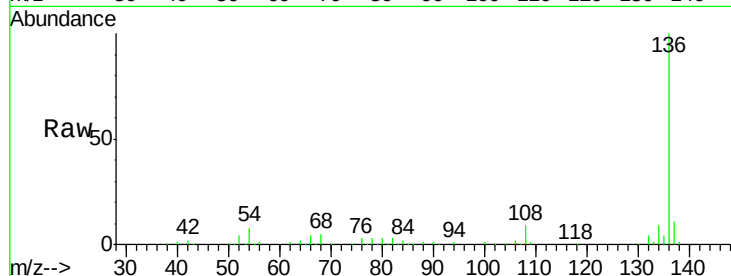




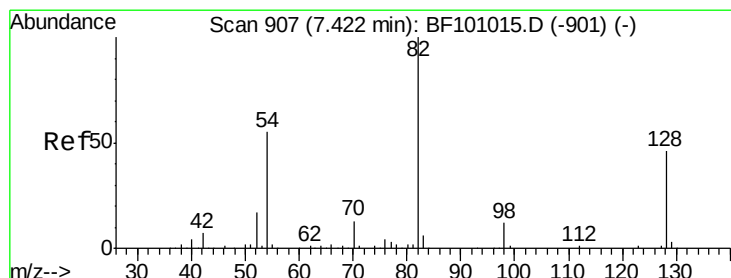
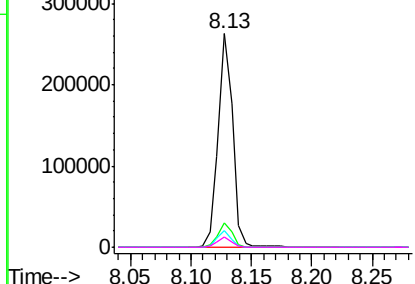
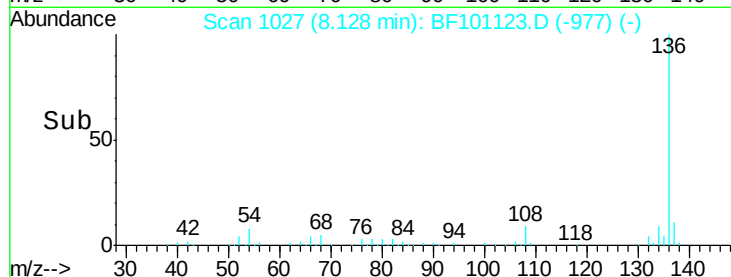
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	216901
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	7.6	6.6 9.8
68	4.9	5.0 7.4#

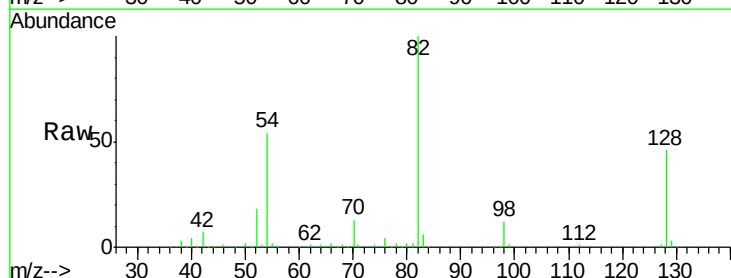


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

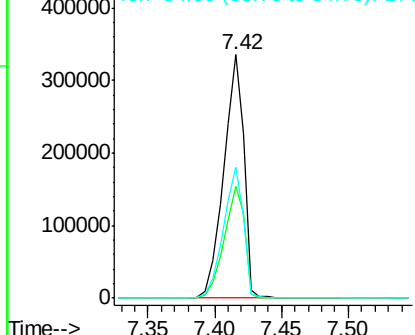
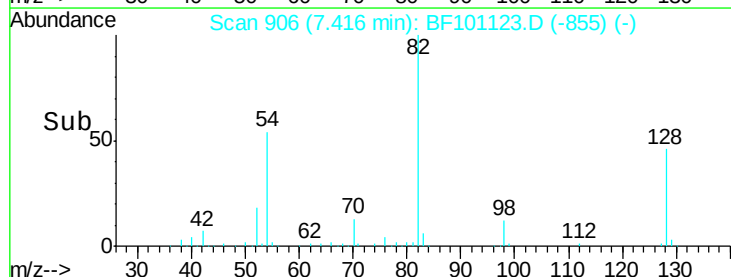


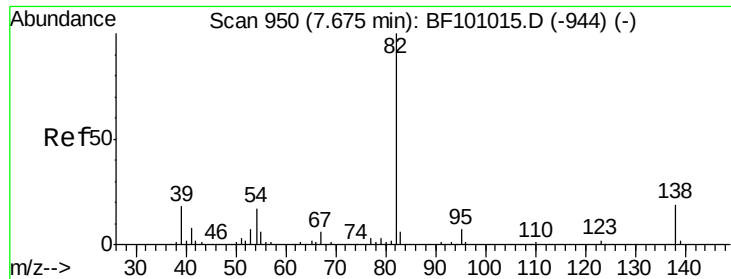
#23
Nitrobenzene-d5
Concen: 98.37 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Tgt Ion: 82	Resp:	357665
Ion Ratio	Lower	Upper
82	100	
128	46.1	36.1 54.1
54	53.7	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

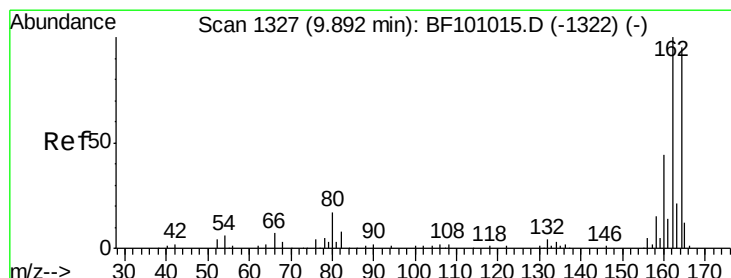
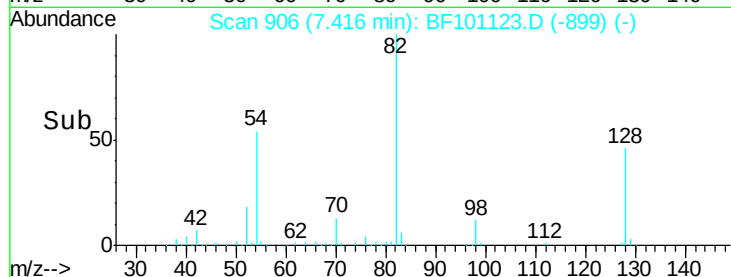
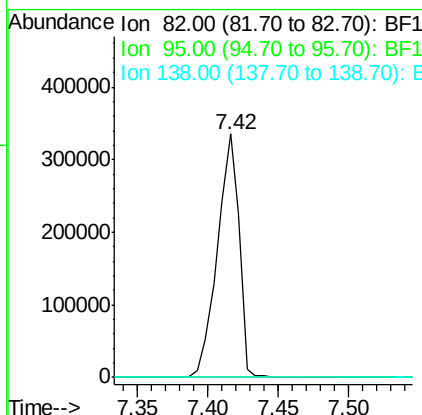
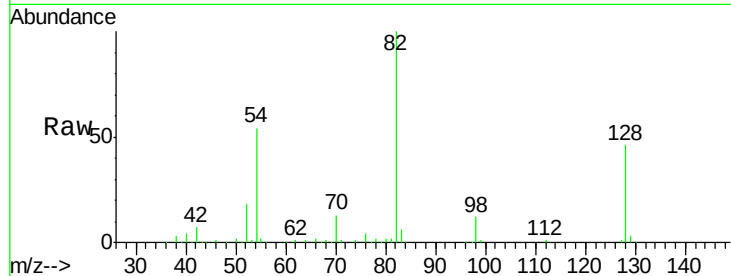




#25
Isophorone
Concen: 57.59 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

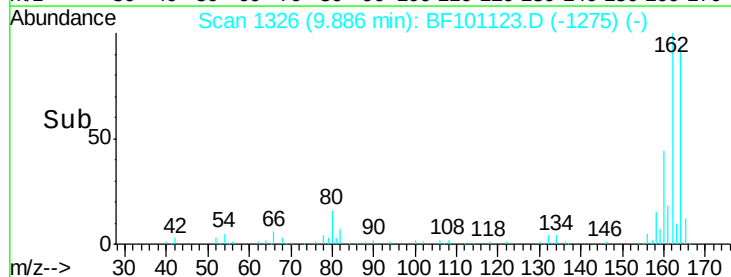
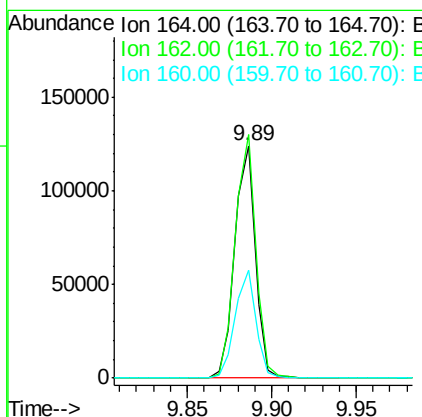
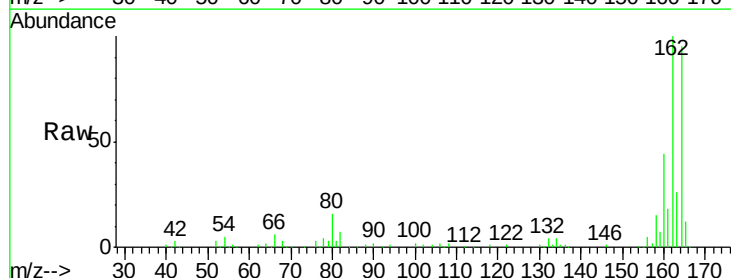
Instrument :
BNA_F
ClientSampled :

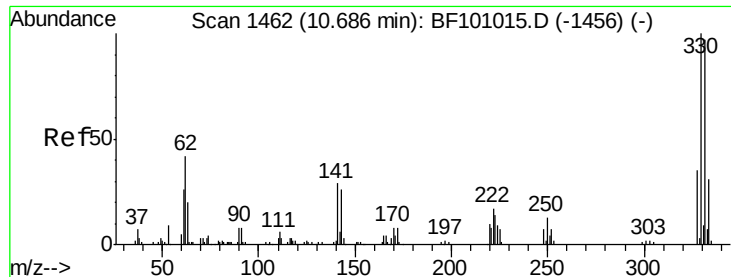
Tot Ion: 82 Resp: 357659
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Tgt Ion:164 Resp: 104676
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 46.5 38.3 57.5

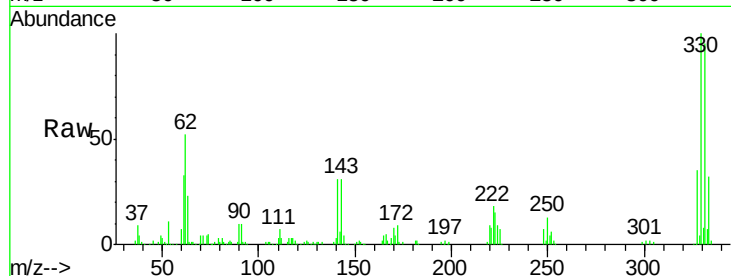




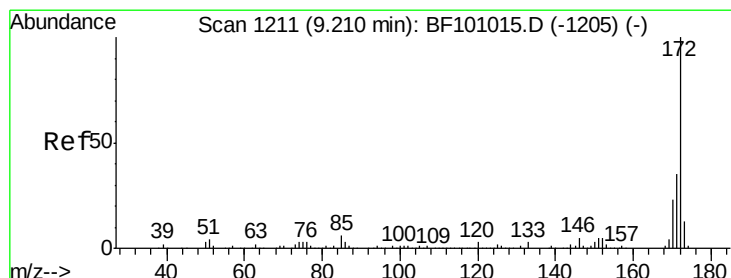
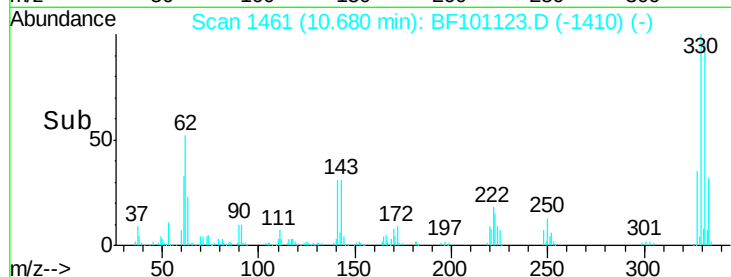
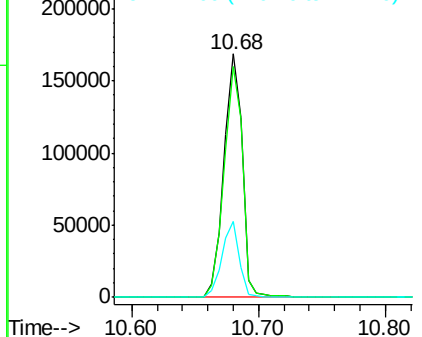
#41
 2,4,6-Tribromophenol
 Concen: 135.43 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF101123.D
 Acq: 5 Dec 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	29.5	29.9	44.9

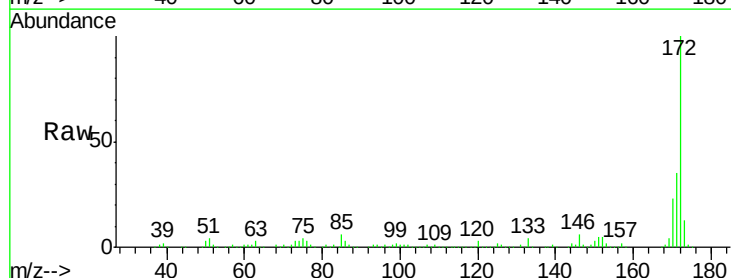


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

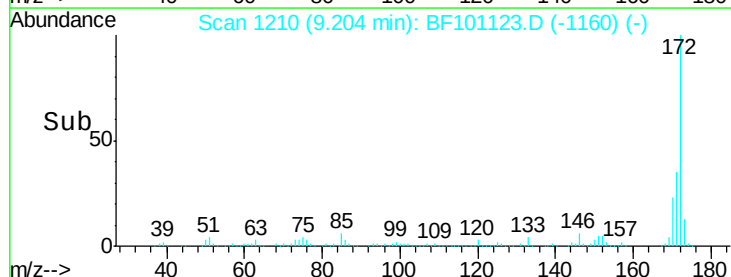
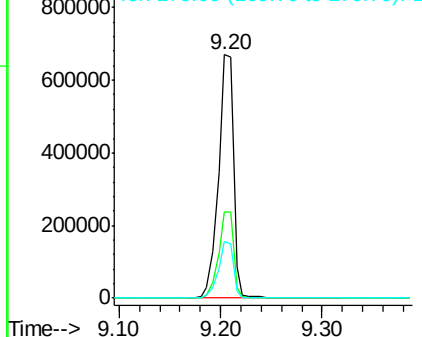


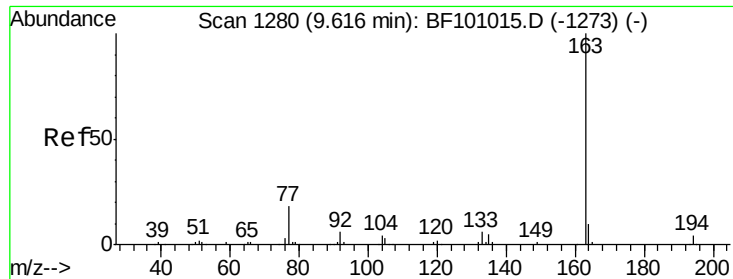
#44
 2-Fluorobiphenyl
 Concen: 90.34 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101123.D
 Acq: 5 Dec 2017 14:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.4	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

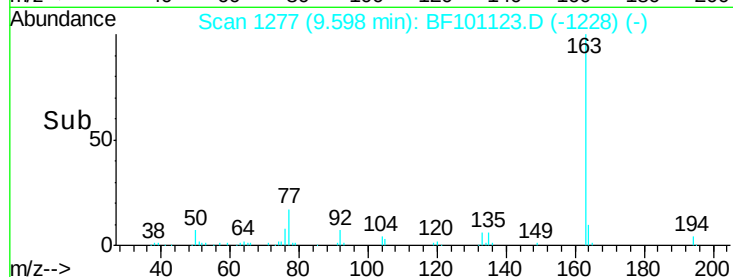
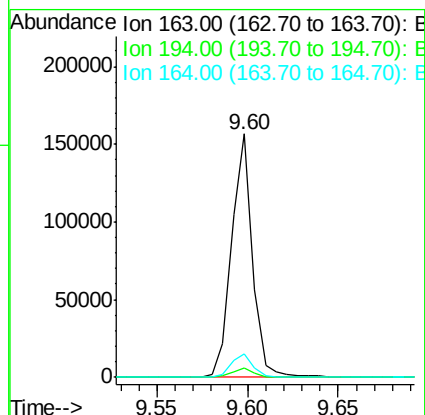
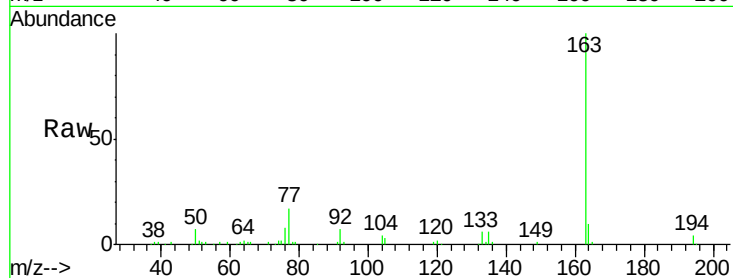




#49
Dimethylphthalate
Concen: 14.93 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

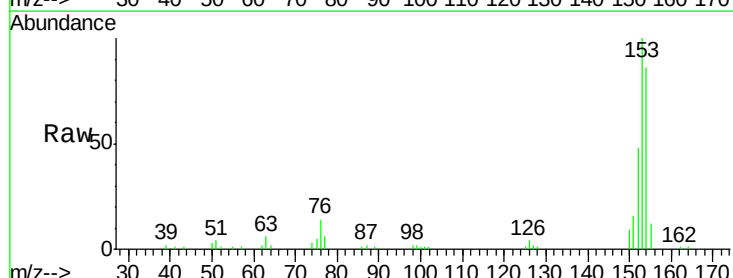
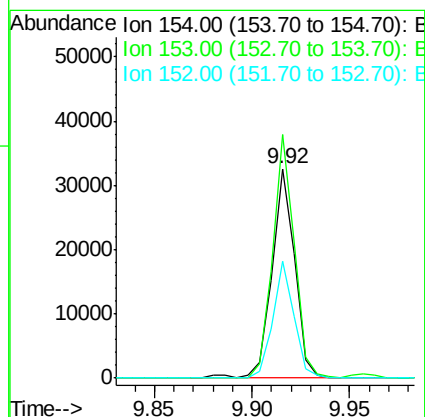
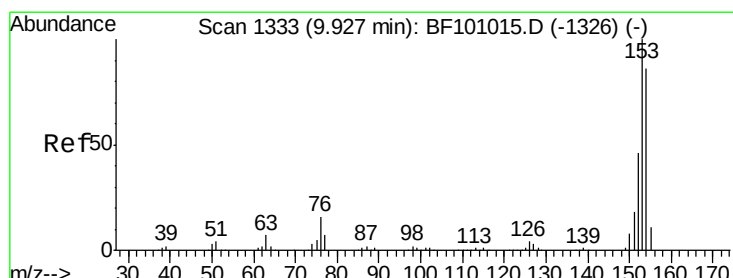
Instrument :
BNA_F
ClientSampleId :

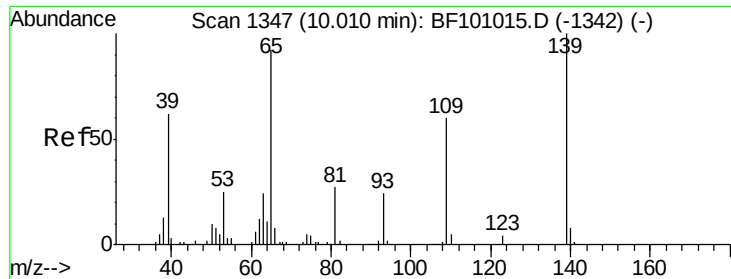
Tot Ion:163 Resp: 126034
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.9 8.2 12.2



#51
Acenaphthene
Concen: 3.91 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Tgt Ion:154 Resp: 26193
Ion Ratio Lower Upper
154 100
153 116.4 91.2 136.8
152 56.2 43.8 65.8

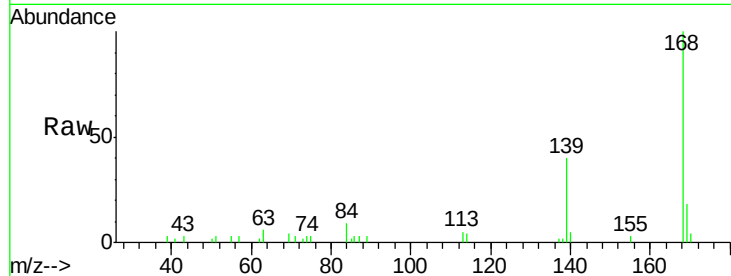




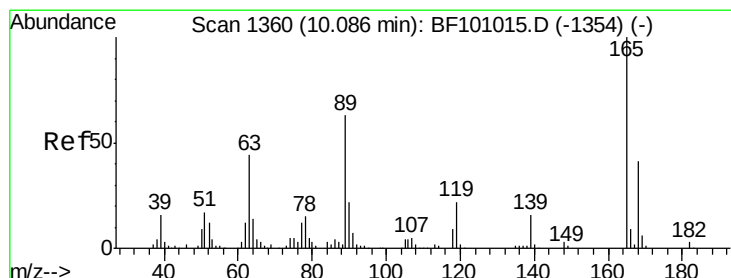
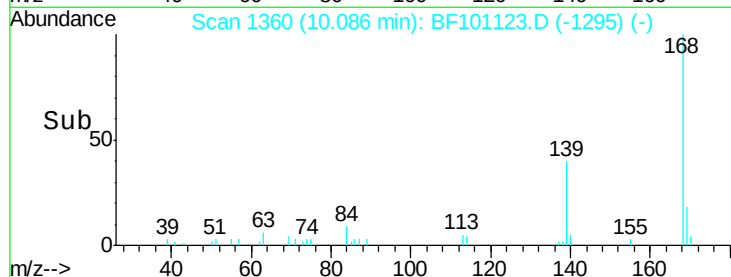
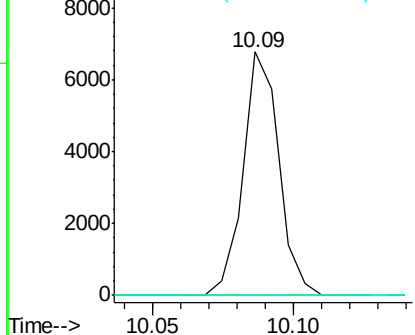
#55
4-Nitrophenol
Concen: 4.39 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.08 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 5920
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

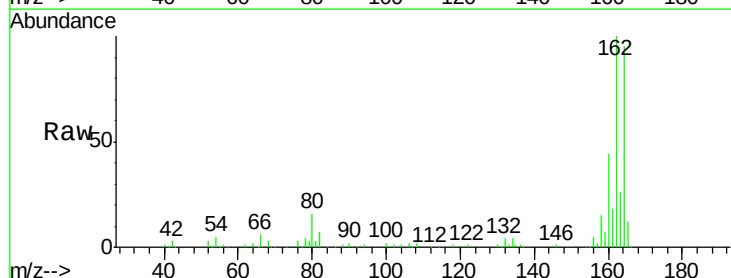


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

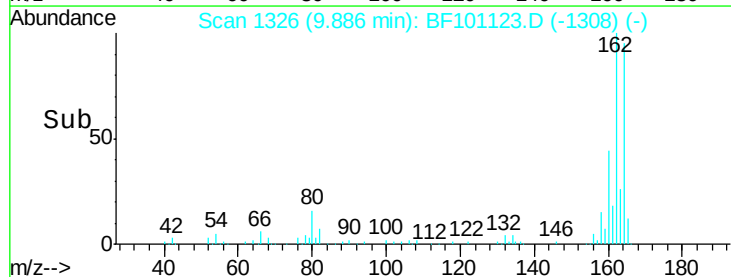
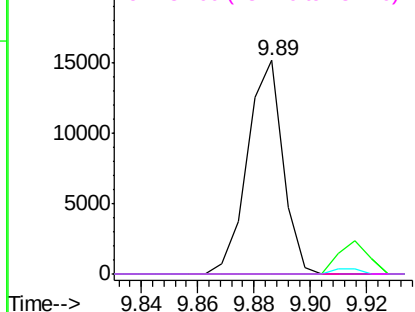


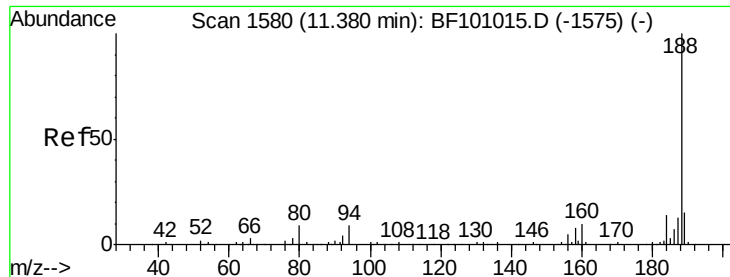
#56
2,4-Dinitrotoluene
Concen: 5.54 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.19 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Tgt Ion:165 Resp: 13206
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 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

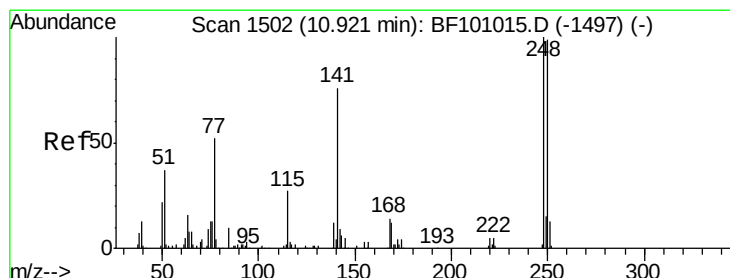
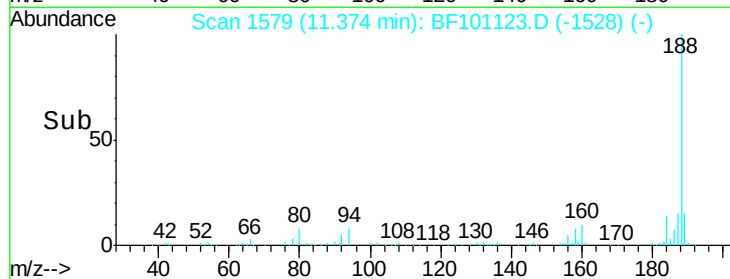
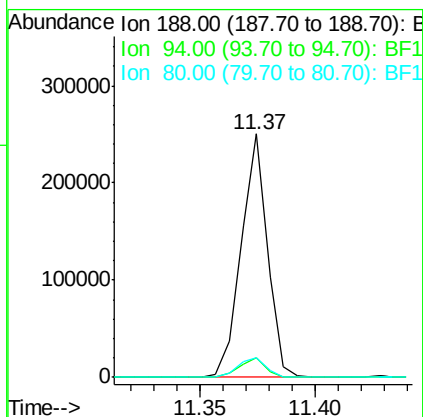
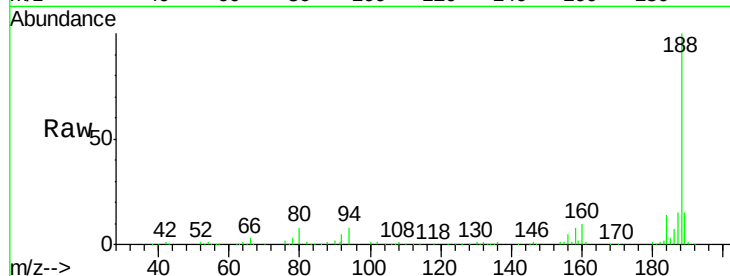




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

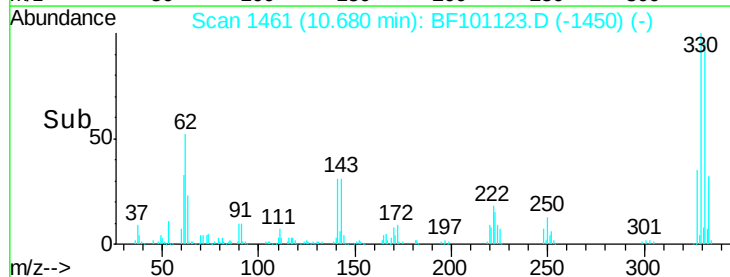
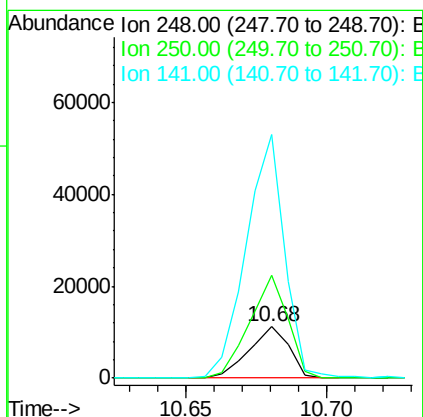
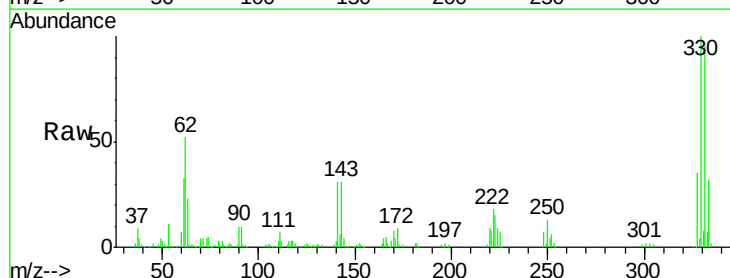
Instrument :
BNA_F
ClientSampleId :

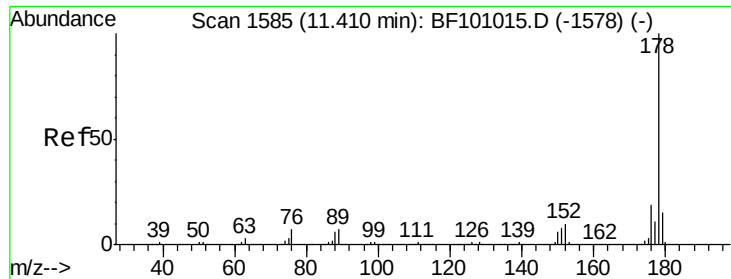
Tot Ion:188 Resp: 199502
Ion Ratio Lower Upper
188 100
94 7.9 8.5 12.7#
80 8.3 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 4.86 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Tgt Ion:248 Resp: 10855
Ion Ratio Lower Upper
248 100
250 202.4 76.9 115.3#
141 477.1 74.4 111.6#

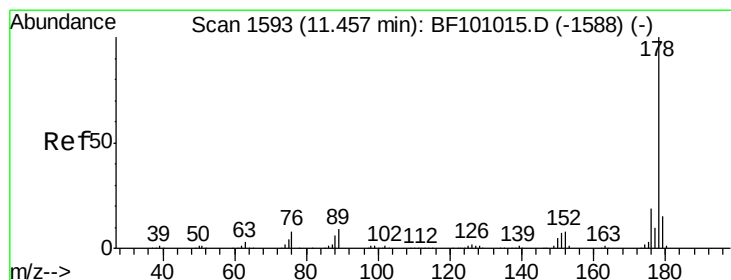
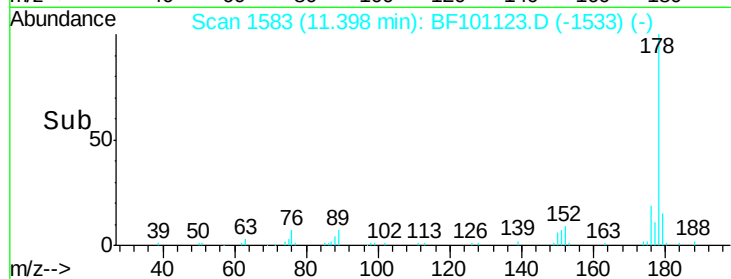
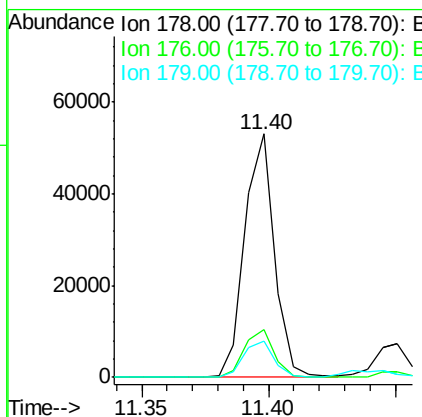
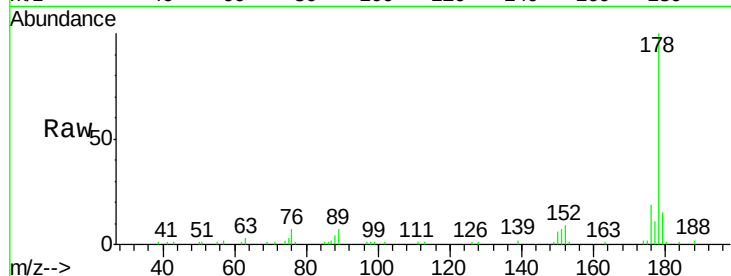




#70
Phenanthrene
Concen: 3.94 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

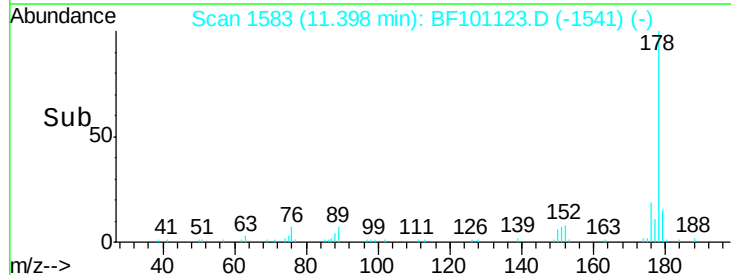
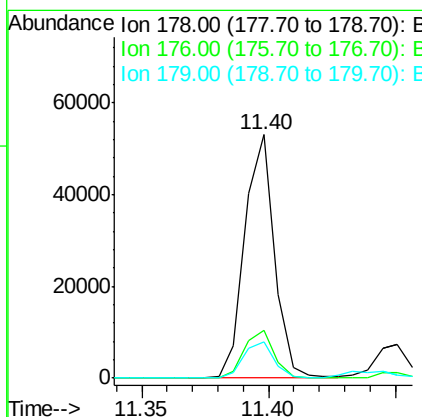
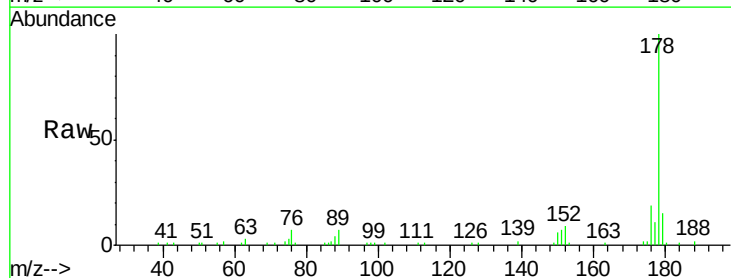
Instrument :
BNA_F
ClientSampleId :

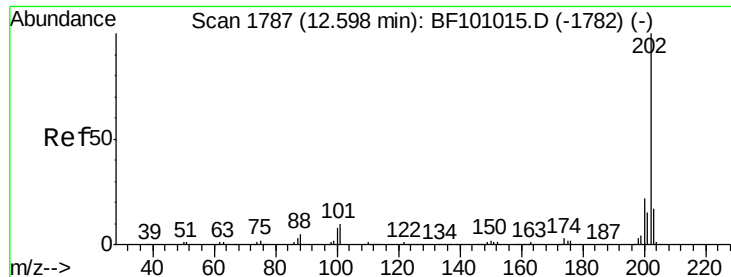
Tot Ion:178 Resp: 43289
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.9 13.0 19.6



#71
Anthracene
Concen: 3.89 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF101123.D
Acq: 5 Dec 2017 14:42

Tgt Ion:178 Resp: 43289
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 14.9 12.6 19.0





#74

Fluoranthene

Concen: 5.50 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101123.D

Acq: 5 Dec 2017 14:42

Instrument :

BNA_F

ClientSampleId :

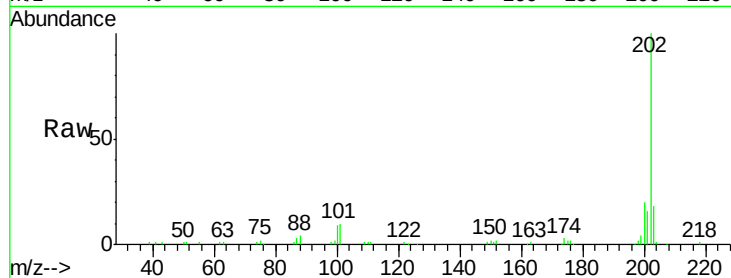
Tot Ion:202 Resp: 66949

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

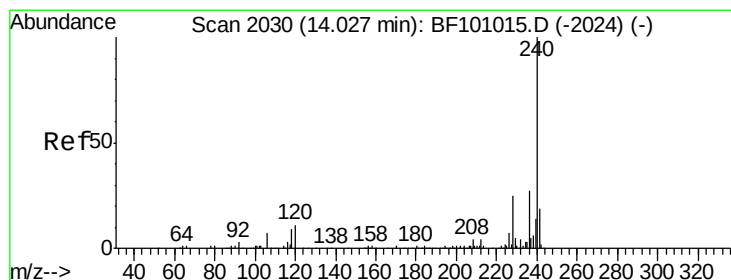
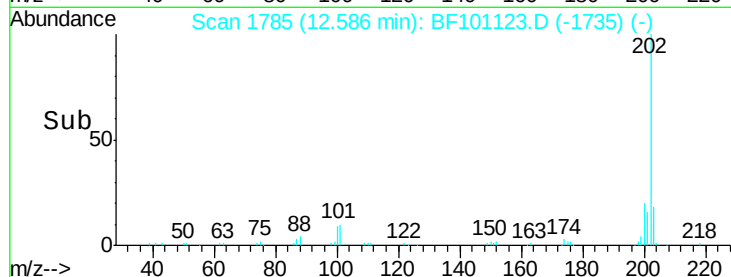
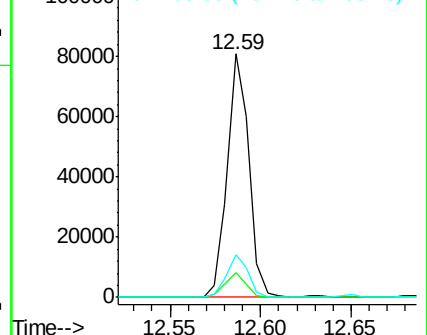
203 17.7 0.0 38.1



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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101123.D

Acq: 5 Dec 2017 14:42

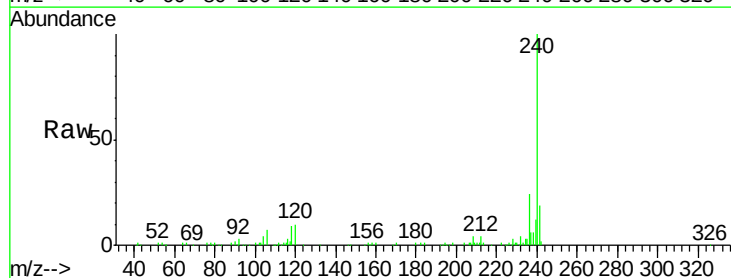
Tgt Ion:240 Resp: 121628

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

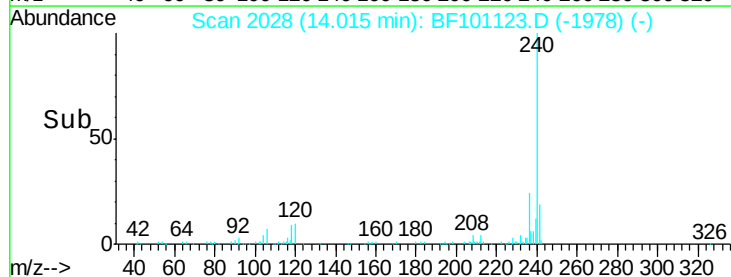
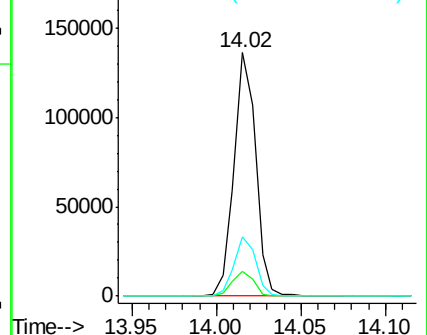
236 24.4 20.7 31.1

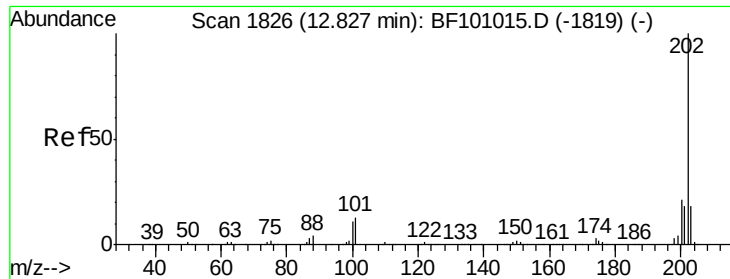


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

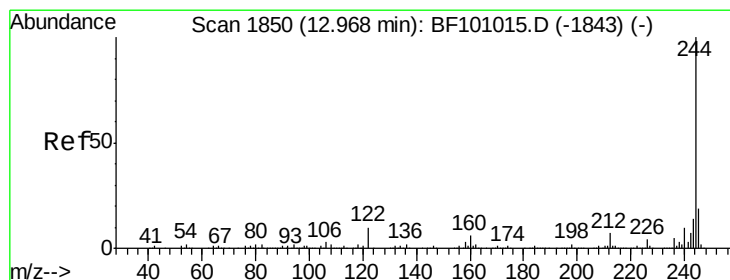
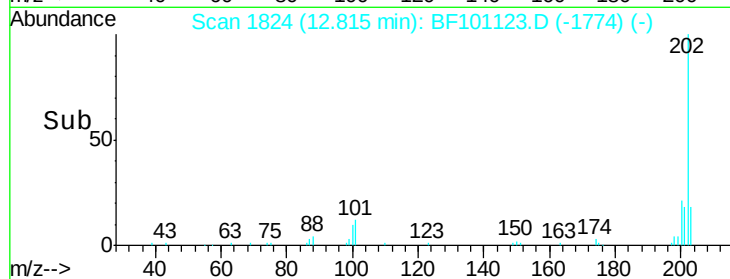
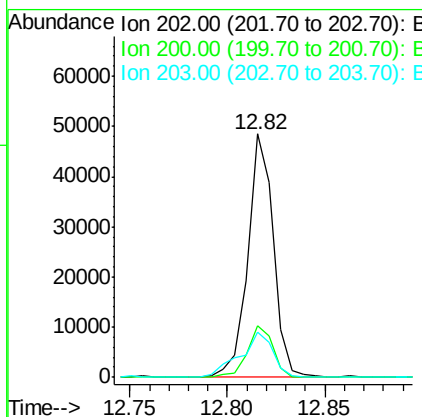
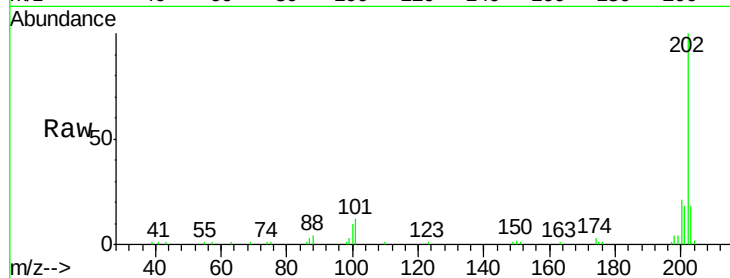




#77
 Pvrene
 Concen: 5.24 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF101123.D
 Acq: 5 Dec 2017 14:42

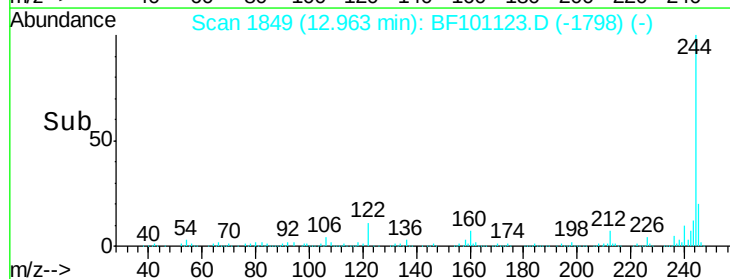
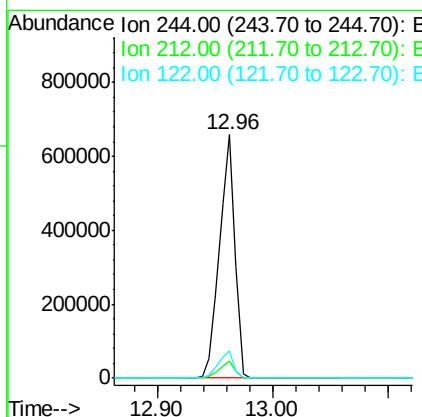
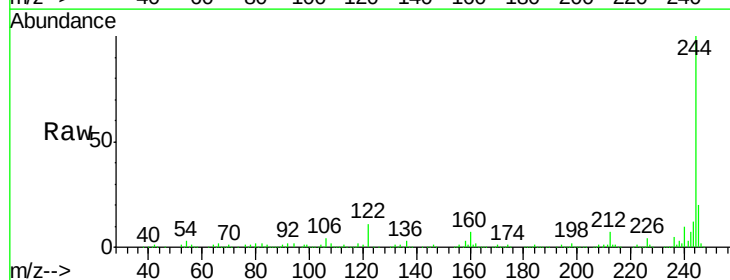
Instrument :
 BNA_F
 ClientSampleId :

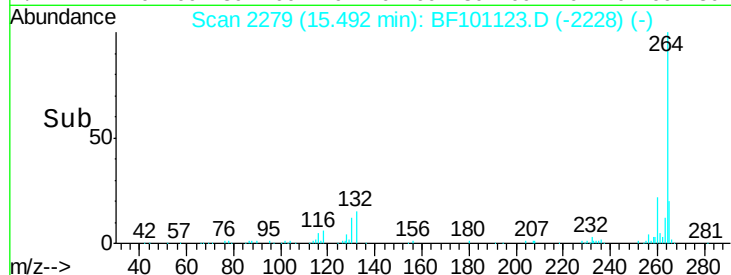
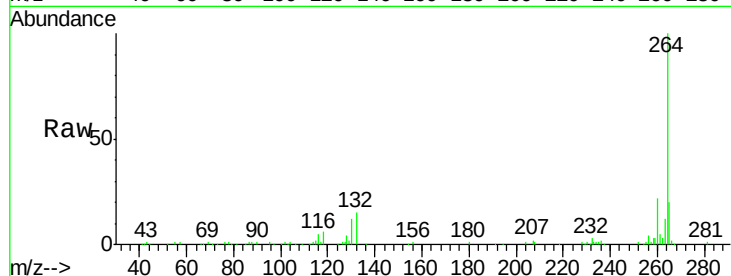
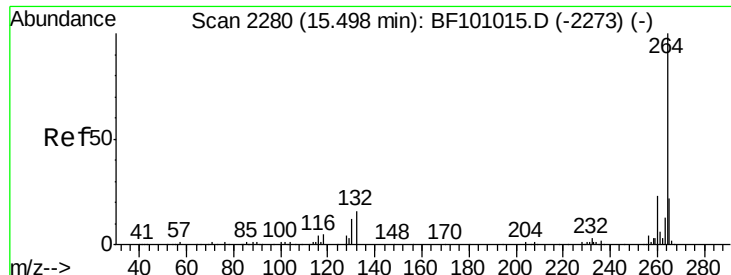
Tot Ion:202 Resp: 44001
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.4 26.2
 203 18.4 14.3 21.5



#78
 Terphenyl-d14
 Concen: 110.40 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: BF101123.D
 Acq: 5 Dec 2017 14:42

Tgt Ion:244 Resp: 613901
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 11.0 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BF101123.D
 Acq: 5 Dec 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264	Resp:	119867
Ion	Ratio	Lower Upper
264	100	
260	22.3	19.2 28.8
265	19.8	17.5 26.3

