

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100804.D
 Acq On : 22 Nov 2017 2:53
 Operator : SJ/JU
 Sample : I6466-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 04:28:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

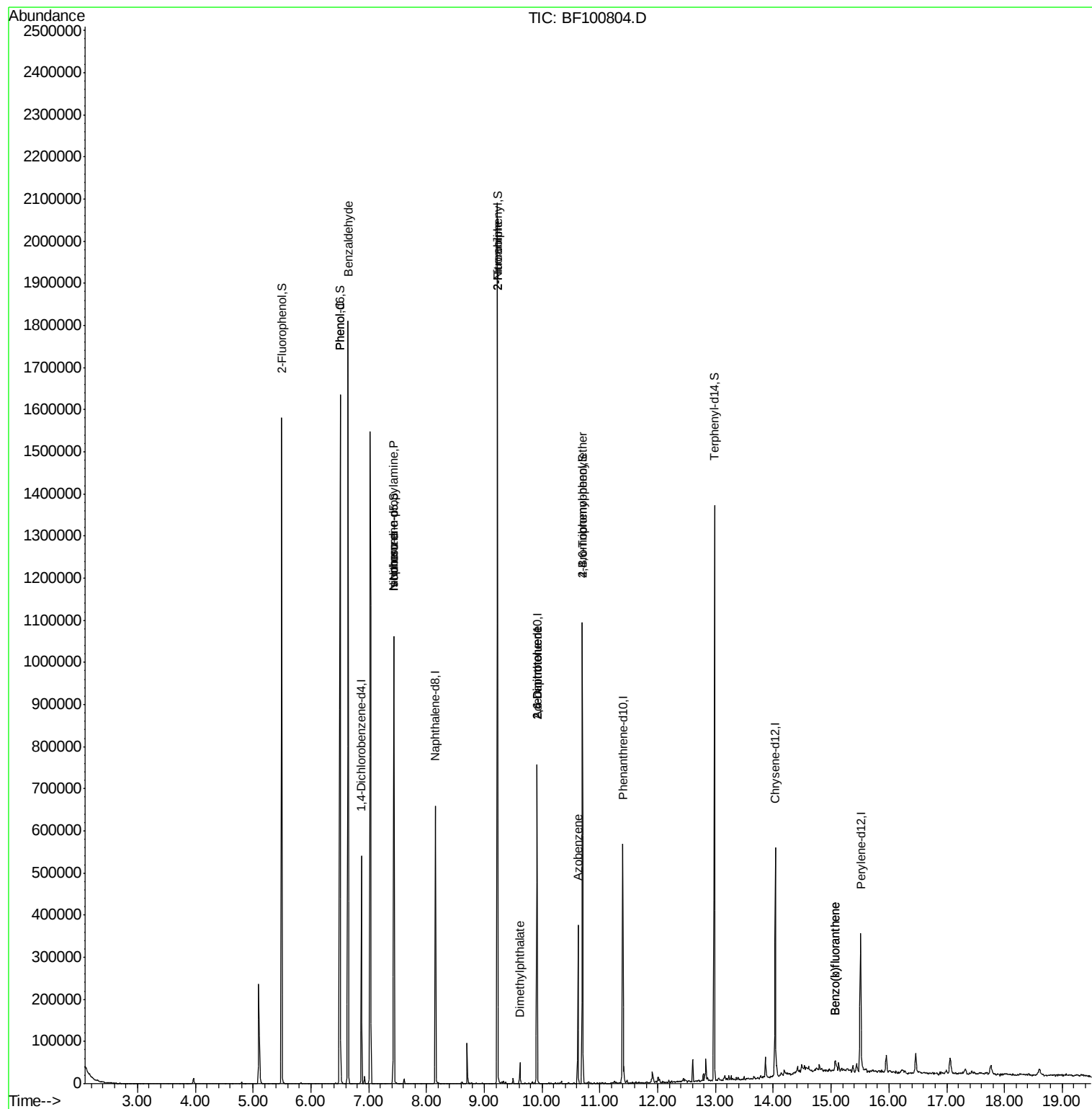
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	82333	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	316176	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	139477	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	221173	20.00	ng	0.00
75) Chrysene-d12	14.03	240	167963	20.00	ng	-0.01
86) Perylene-d12	15.51	264	150325	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	485992	94.62	ng	0.00
7) Phenol-d6	6.50	99	596042	94.11	ng	0.00
23) Nitrobenzene-d5	7.43	82	364537	76.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	131409	92.46	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	688737	75.19	ng	-0.01
78) Terphenyl-d14	12.98	244	444855	60.86	ng	0.00
Target Compounds						
9) Benzaldehyde	6.65	77	10177	2.25	ng	Qvalue 86
10) Phenol	6.51	94	30150	4.53	ng	86
19) n-Nitroso-di-n-propylamine	7.43	70	46557	10.60	ng	# 82
25) Isophorone	7.43	82	364532	36.27	ng	# 64
47) 2-Nitroaniline	9.23	65	916	3.12	ng	# 6
49) Dimethylphthalate	9.62	163	22796	2.14	ng	100
50) 2,6-Dinitrotoluene	9.91	165	17662	8.38	ng	# 24
56) 2,4-Dinitrotoluene	9.91	165	17662	6.64	ng	# 21
62) Azobenzene	10.62	77	56178	5.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	8250	3.48	ng	# 1
87) Benzo(b)fluoranthene	15.07	252	18242	2.05	ng	# 94
88) Benzo(k)fluoranthene	15.07	252	18242	2.17	ng	96

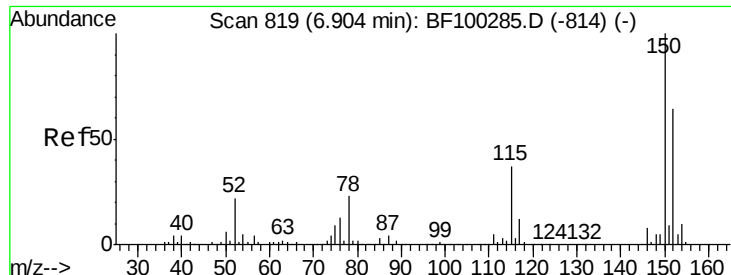
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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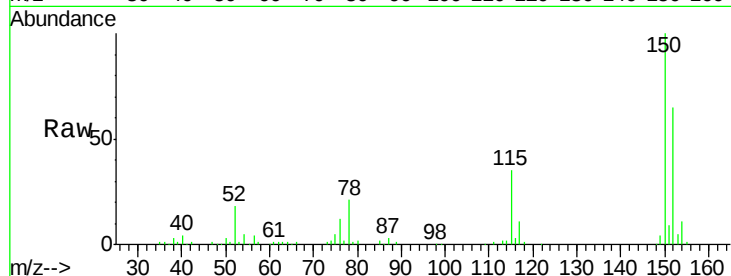


#1

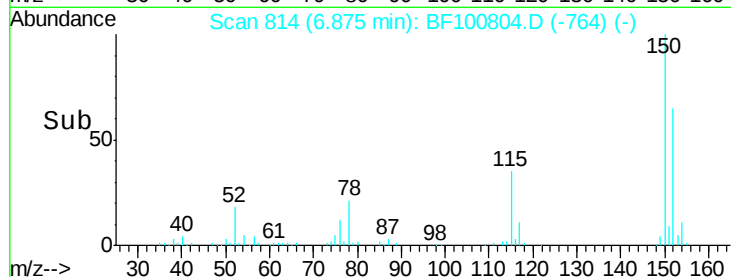
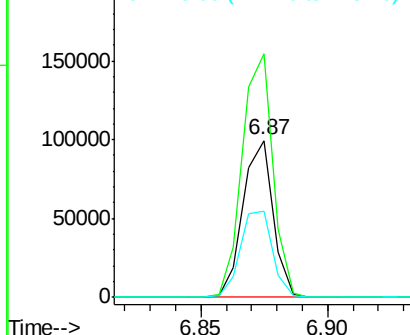
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100804.D
Acq: 22 Nov 2017 2:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 82333
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 54.7 50.1 75.1



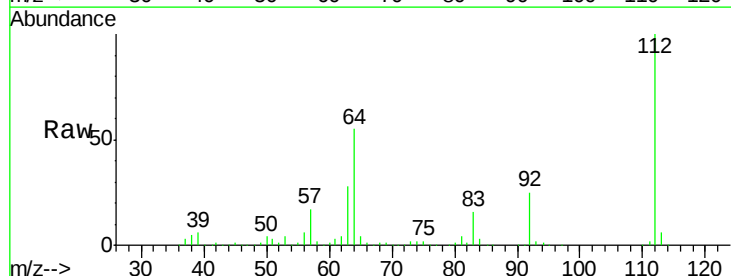
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



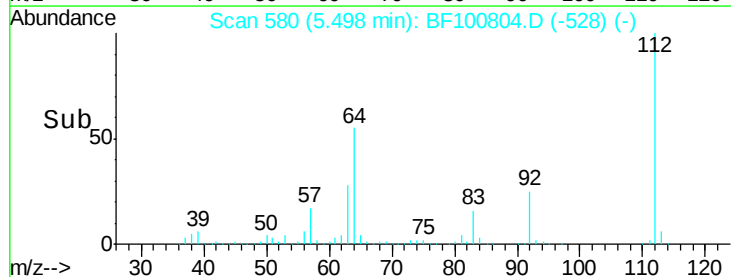
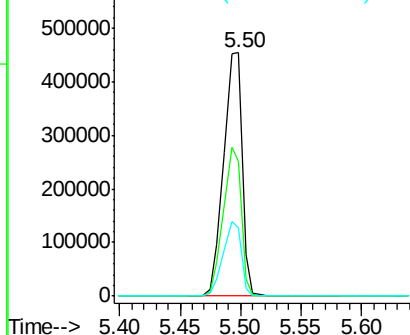
#5

2-Fluorophenol
Concen: 94.62 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100804.D
Acq: 22 Nov 2017 2:53

Tgt Ion:112 Resp: 485992
Ion Ratio Lower Upper
112 100
64 55.3 47.9 71.9
63 28.0 23.7 35.5



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





#7

Phenol-d6

Concen: 94.11 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

Instrument :

BNA_F

ClientSampleId :

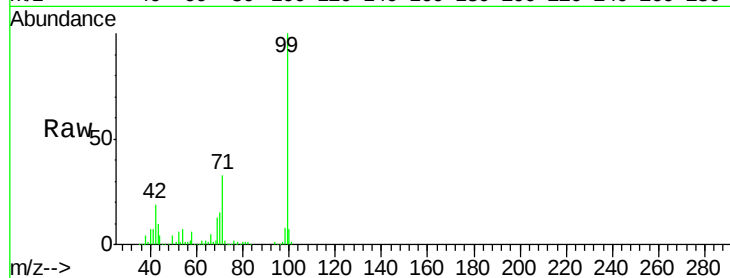
Tot Ion: 99 Resp: 596042

Ion Ratio Lower Upper

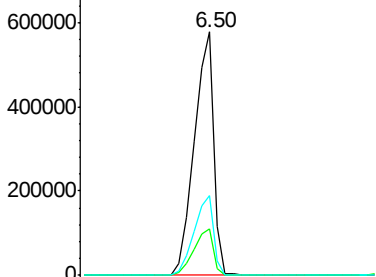
99 100

42 19.2 14.5 21.7

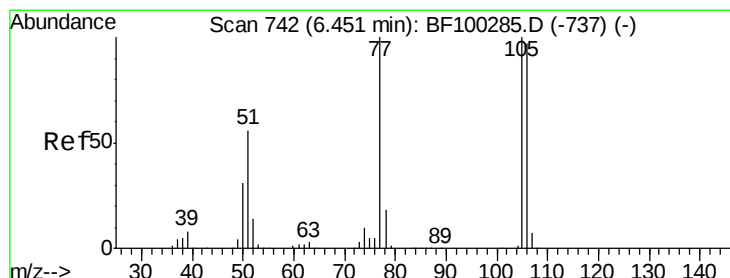
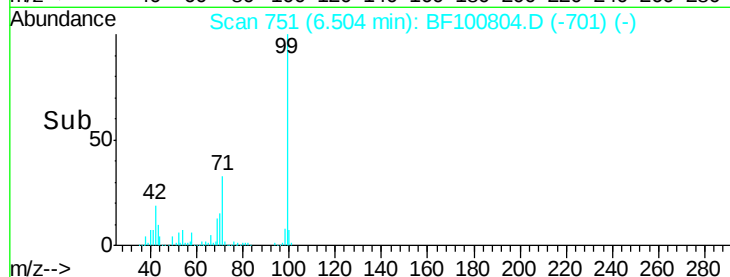
71 32.7 25.4 38.0



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: 2.25 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.21 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

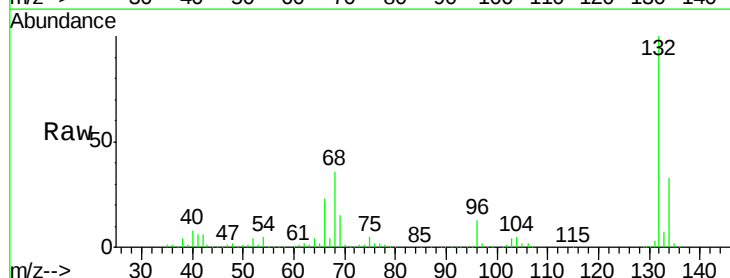
Tgt Ion: 77 Resp: 10177

Ion Ratio Lower Upper

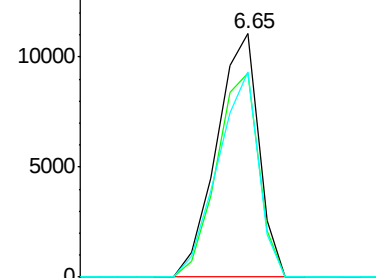
77 100

105 83.8 81.1 121.1

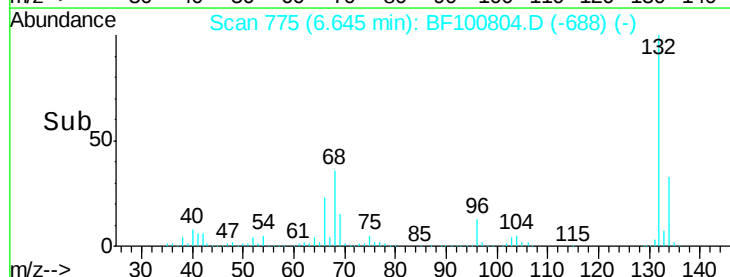
106 84.2 74.5 114.5

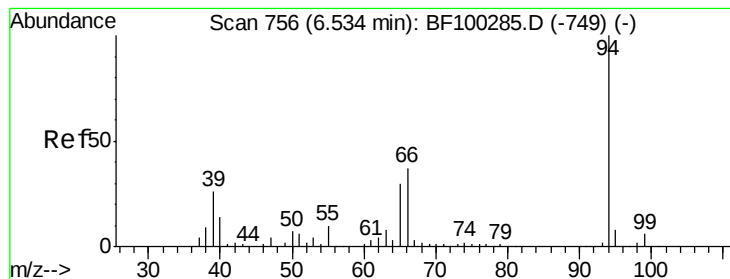


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1



Time-->





#10

Phenol

Concen: 4.53 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

Instrument :

BNA_F

ClientSampled :

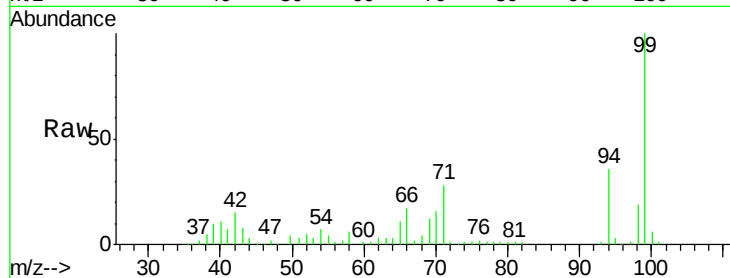
Tot Ion: 94 Resp: 30150

Ion Ratio Lower Upper

94 100

65 31.6 7.9 47.9

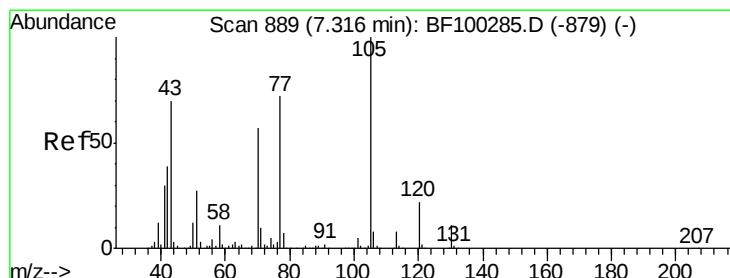
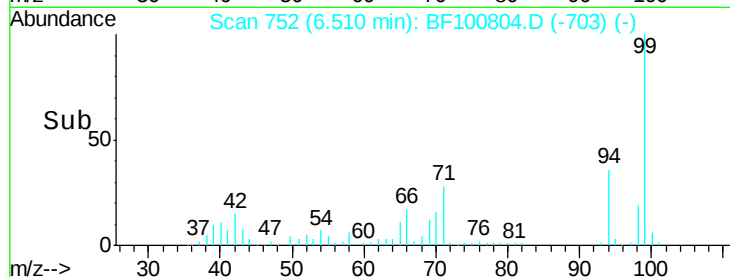
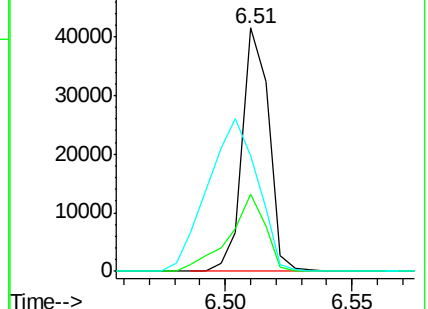
66 47.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.60 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

Tgt Ion: 70 Resp: 46557

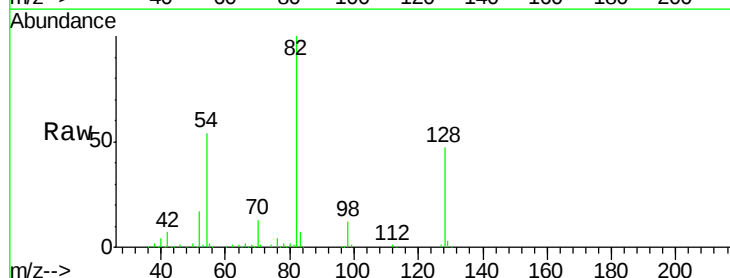
Ion Ratio Lower Upper

70 100

42 52.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

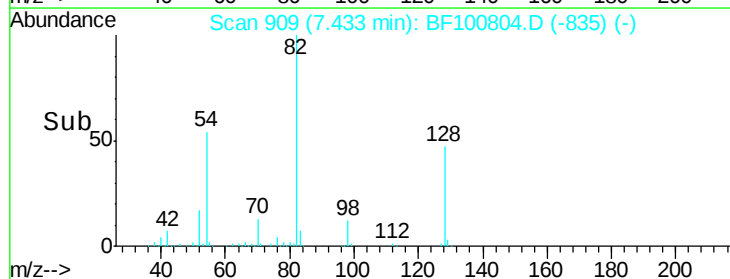
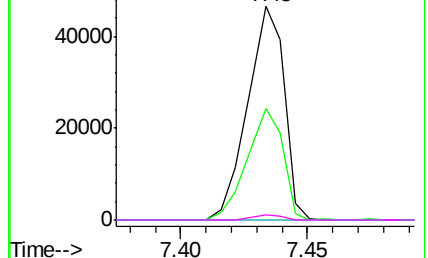


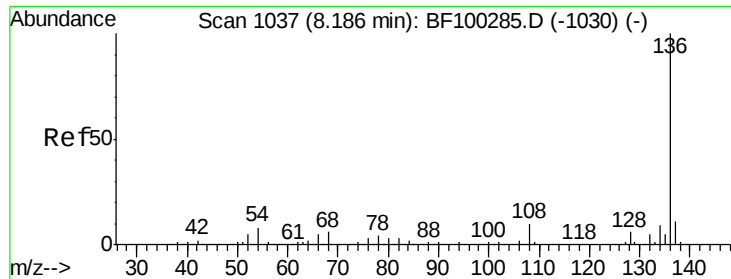
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

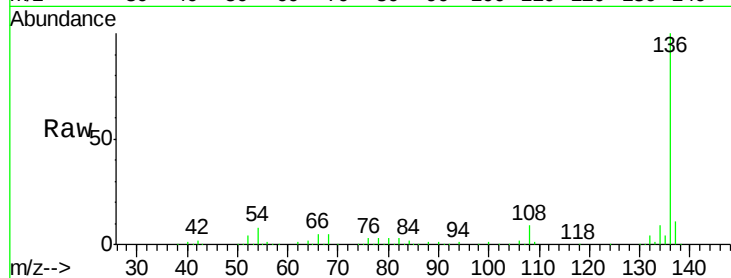




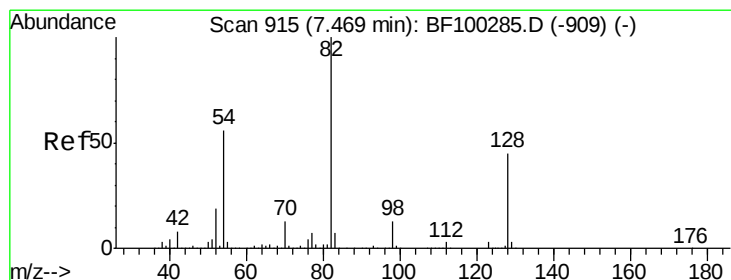
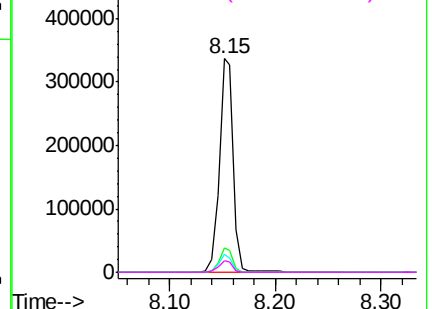
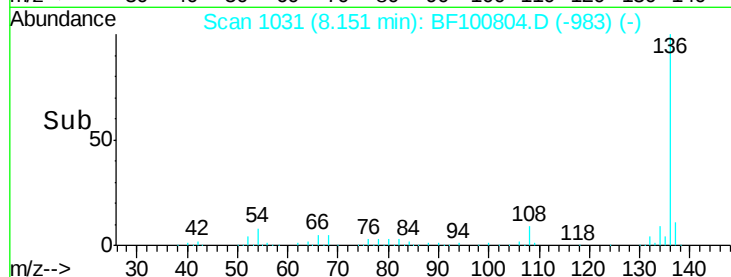
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100804.D
Acq: 22 Nov 2017 2:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	316176
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	8.4	6.6 9.8
68	5.4	5.0 7.4

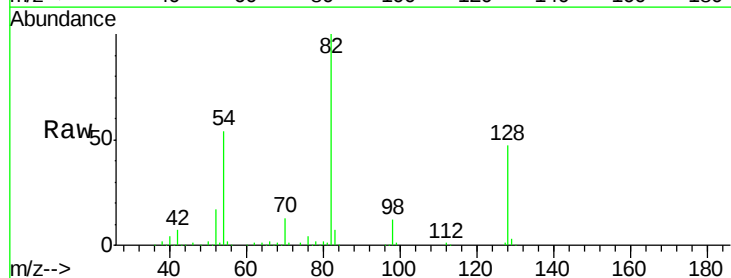


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

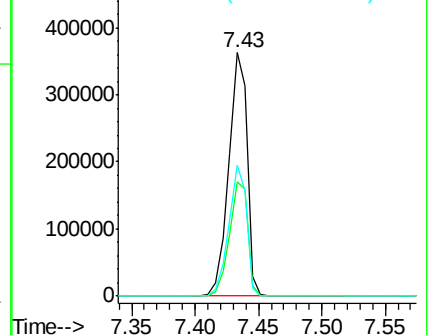
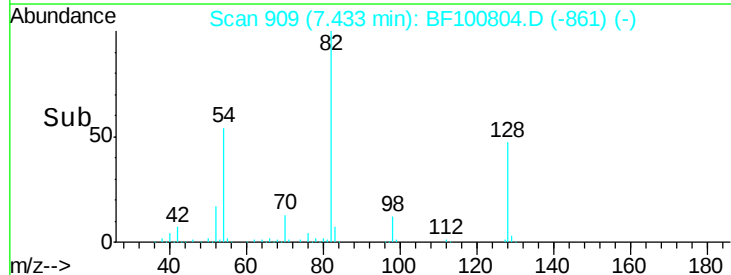


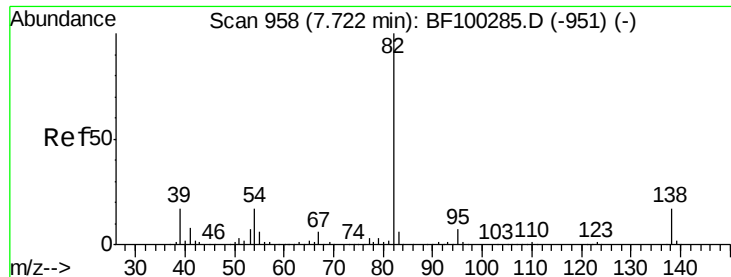
#23
Nitrobenzene-d5
Concen: 76.23 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100804.D
Acq: 22 Nov 2017 2:53

Tgt Ion: 82	Resp:	364537
Ion Ratio	Lower	Upper
82	100	
128	46.8	36.1 54.1
54	53.6	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: 36.27 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

Instrument :

BNA_F

ClientSampled :

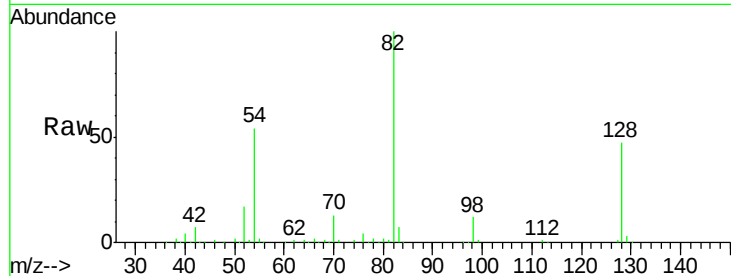
Tot Ion: 82 Resp: 364532

Ion Ratio Lower Upper

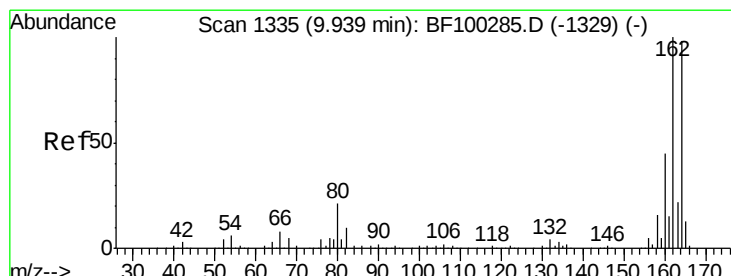
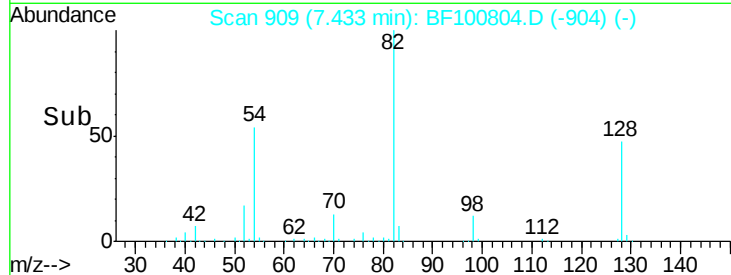
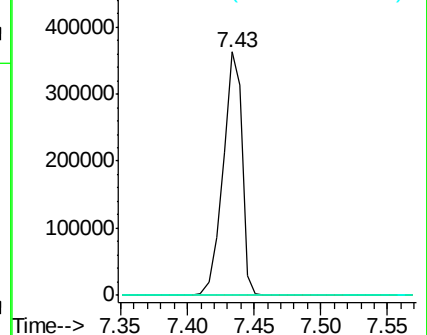
82 100

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: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

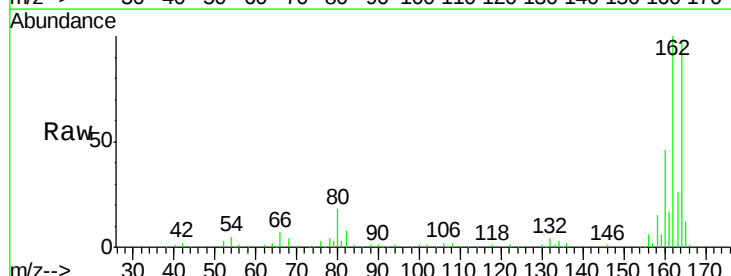
Tgt Ion: 164 Resp: 139477

Ion Ratio Lower Upper

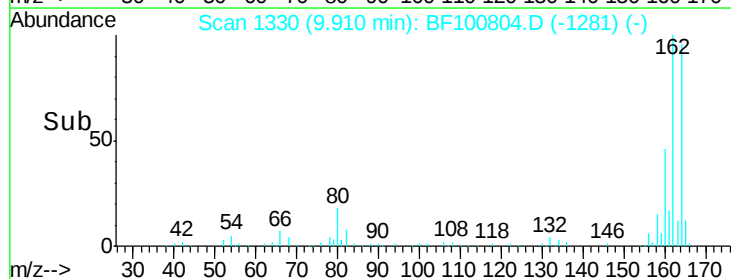
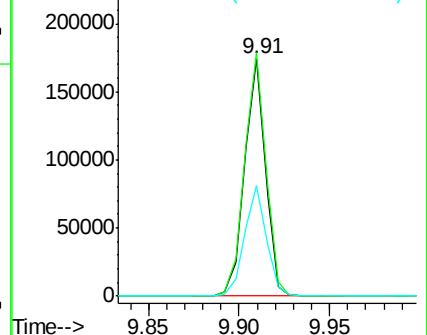
164 100

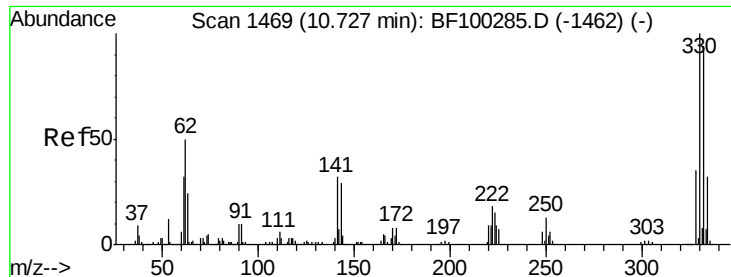
162 102.6 86.1 129.1

160 46.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

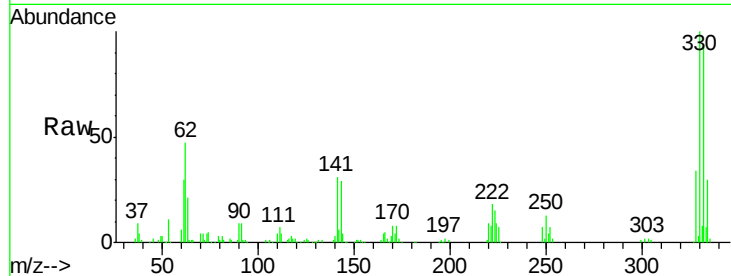




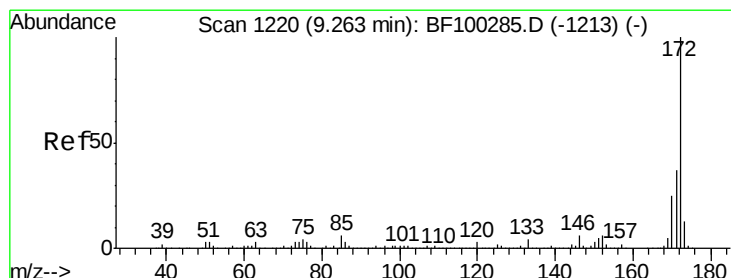
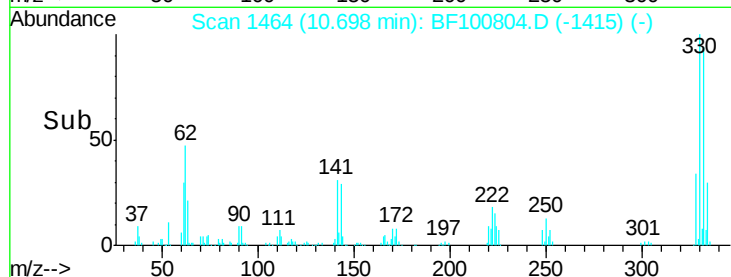
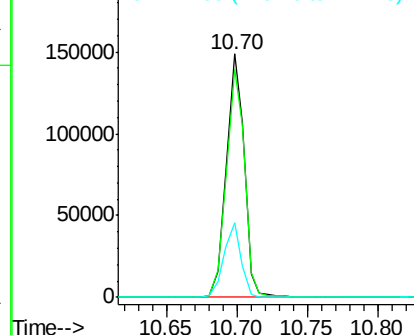
#41
 2,4,6-Tribromophenol
 Concen: 92.46 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100804.D
 Acq: 22 Nov 2017 2:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	29.4	29.9	44.9#

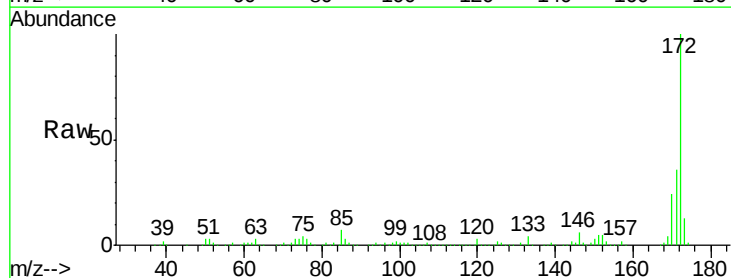


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

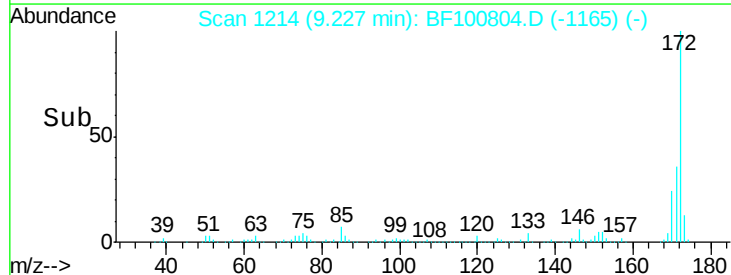
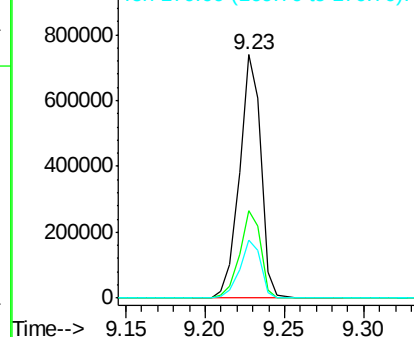


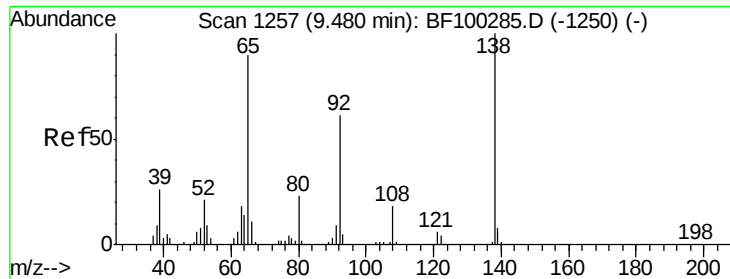
#44
 2-Fluorobiphenyl
 Concen: 75.19 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100804.D
 Acq: 22 Nov 2017 2:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.7	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





#47

2-Nitroaniline

Concen: 3.12 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.24 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

Instrument :

BNA_F

ClientSampleId :

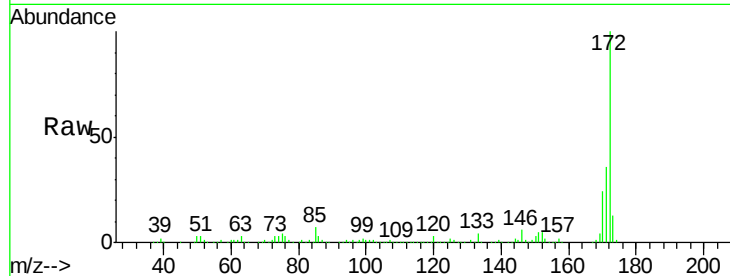
Tot Ion: 65 Resp: 916

Ion Ratio Lower Upper

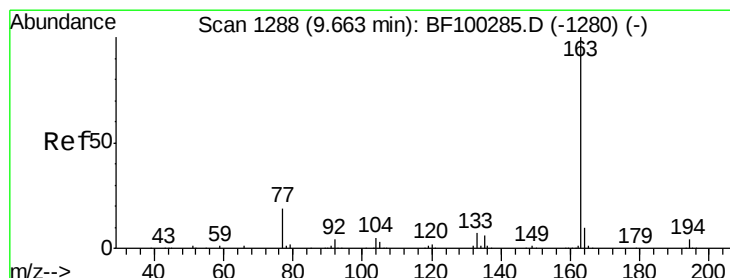
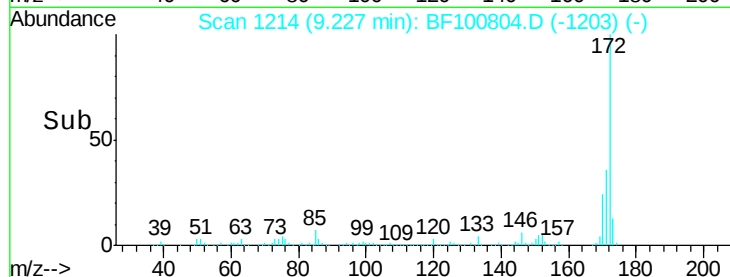
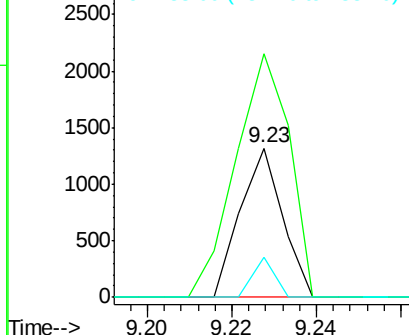
65 100

92 163.2 55.8 83.6#

138 26.8 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 2.14 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

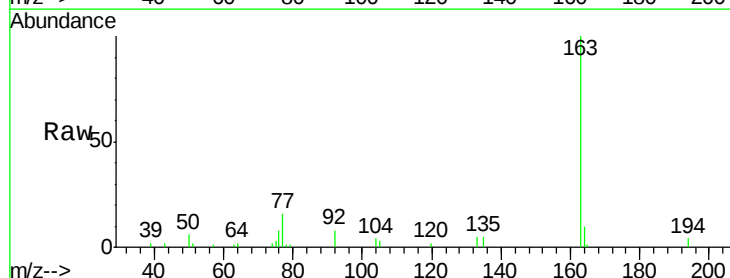
Tgt Ion: 163 Resp: 22796

Ion Ratio Lower Upper

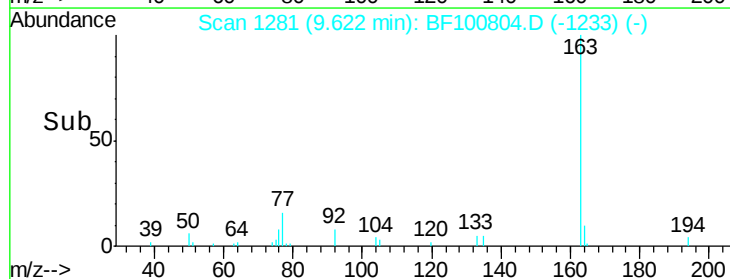
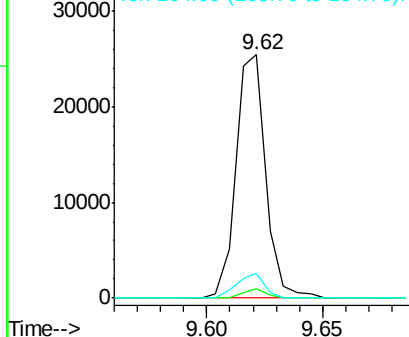
163 100

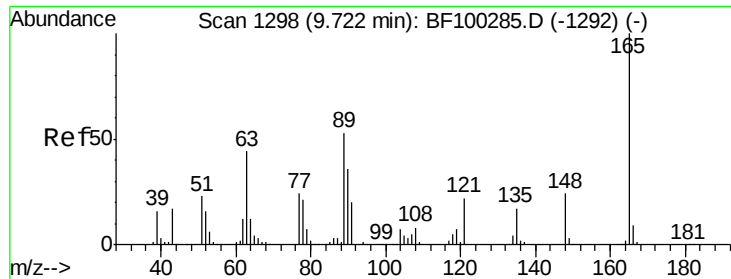
194 3.7 2.7 4.1

164 10.1 8.2 12.2



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

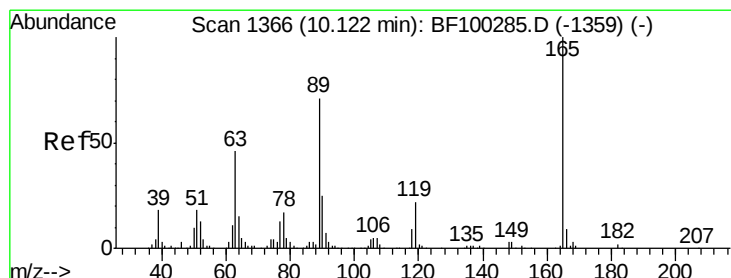
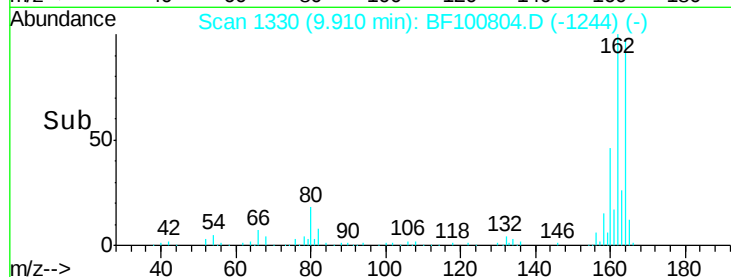
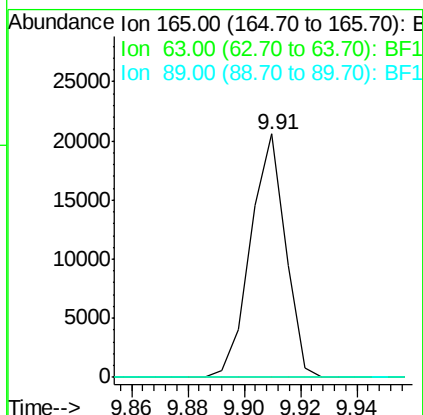
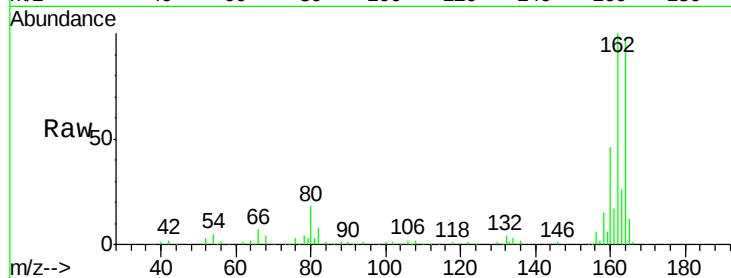




#50
 2,6-Dinitrotoluene
 Concen: 8.38 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF100804.D
 Acq: 22 Nov 2017 2:53

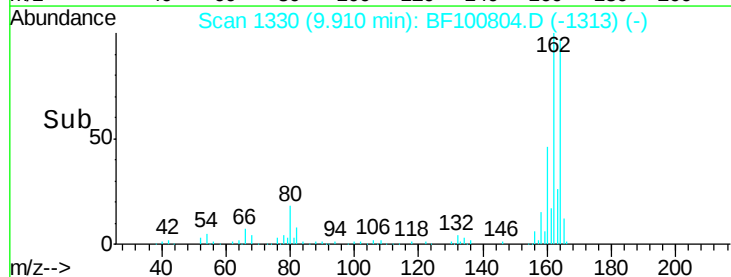
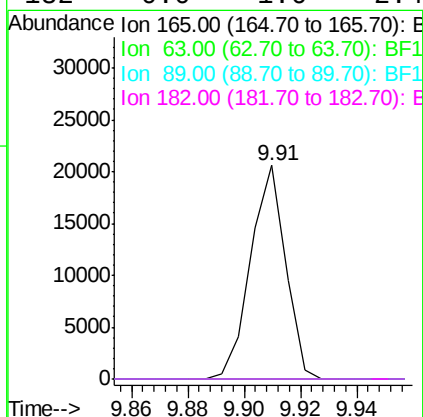
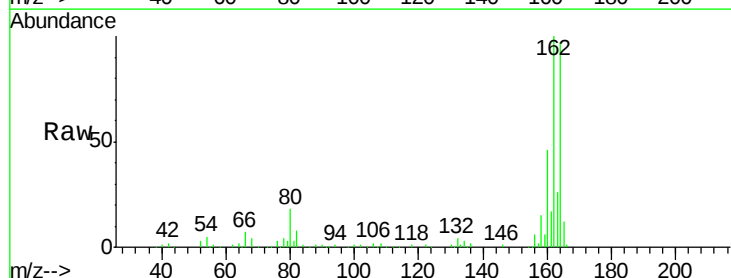
Instrument :
 BNA_F
 ClientSampleId :

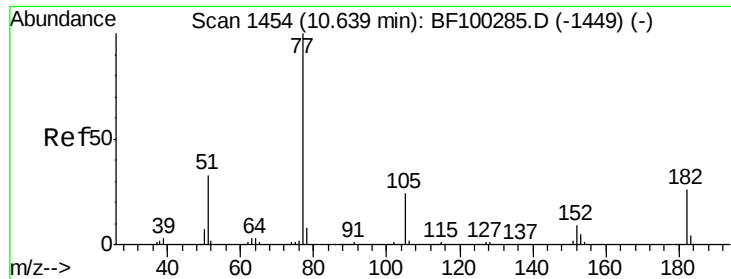
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.64 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF100804.D
 Acq: 22 Nov 2017 2:53

Tgt 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#





#62

Azobenzene

Concen: 5.60 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 56178

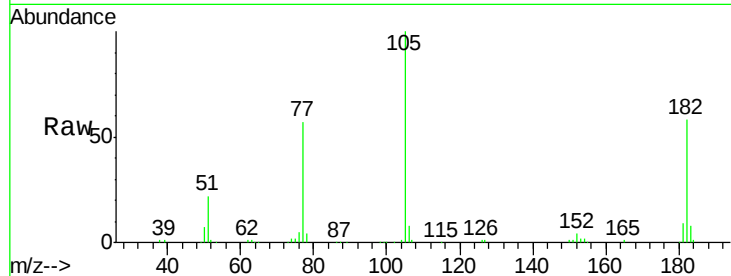
Ion Ratio Lower Upper

77 100

182 100.9 1.7 41.7#

105 174.6 3.0 43.0#

51 38.7 9.9 49.9

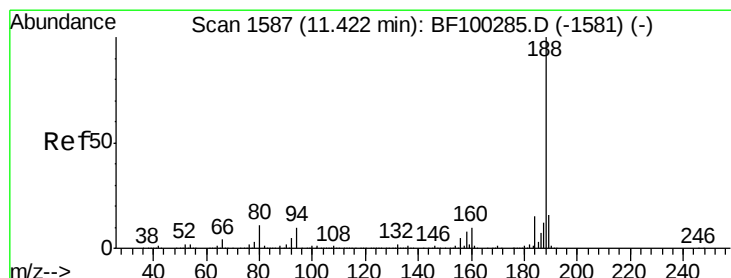
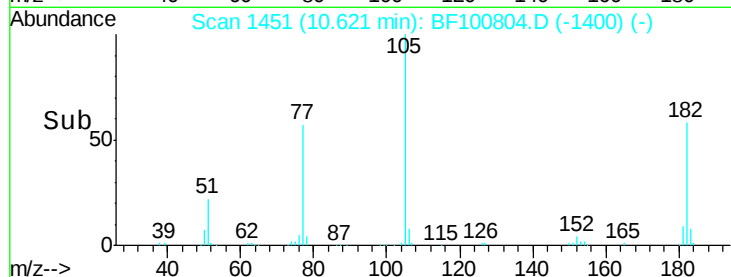
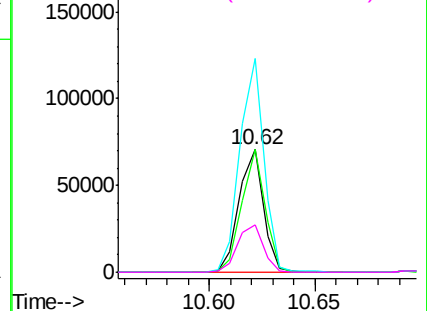


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

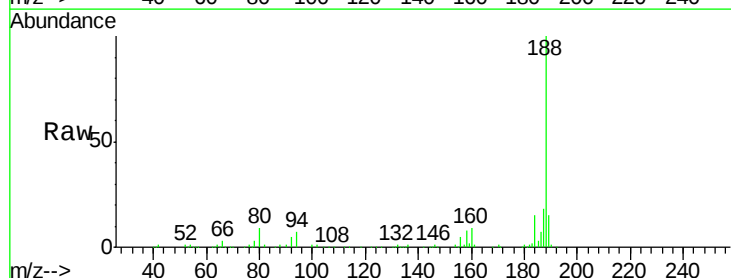
Tgt Ion: 188 Resp: 221173

Ion Ratio Lower Upper

188 100

94 7.4 8.5 12.7#

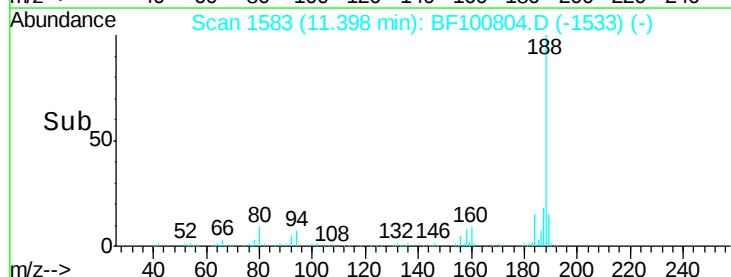
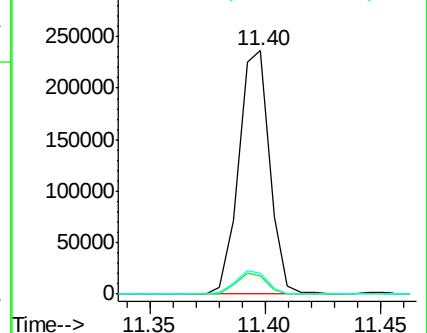
80 8.8 9.2 13.8#

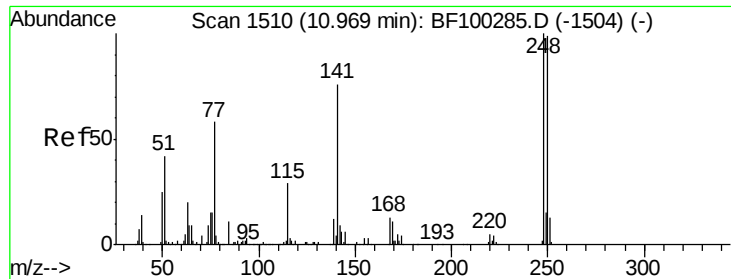


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

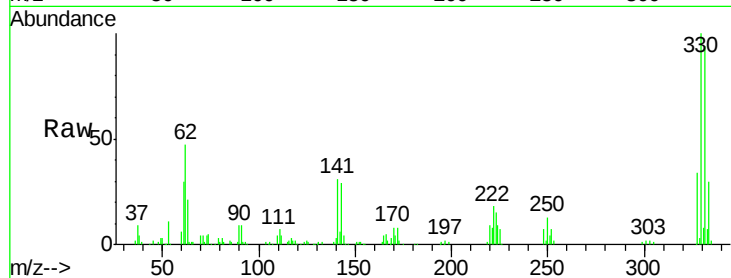




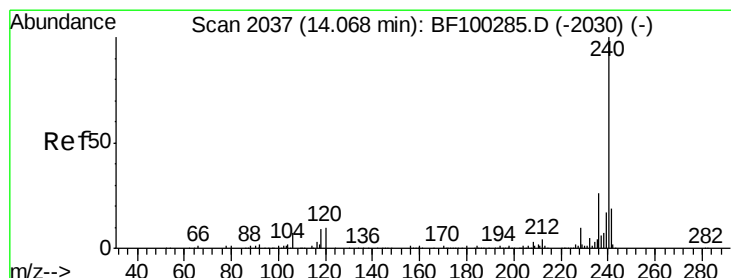
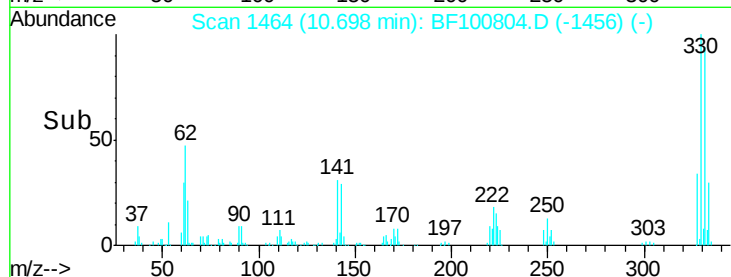
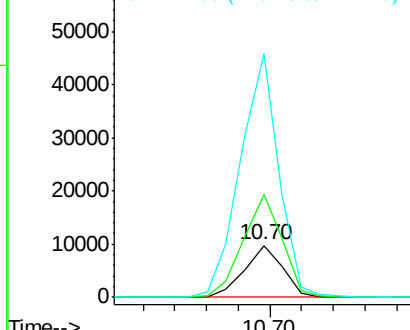
#66
4-Bromophenyl-phenylether
Concen: 3.48 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100804.D
Acq: 22 Nov 2017 2:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8250
Ion Ratio Lower Upper
248 100
250 197.5 76.9 115.3#
141 468.3 74.4 111.6#

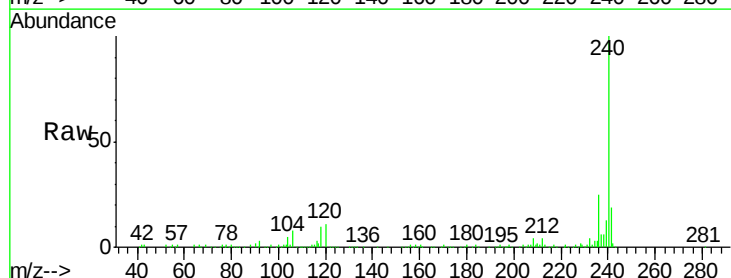


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

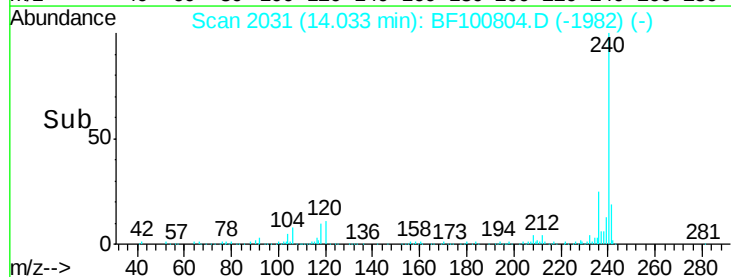
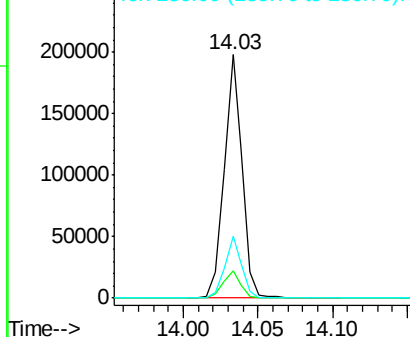


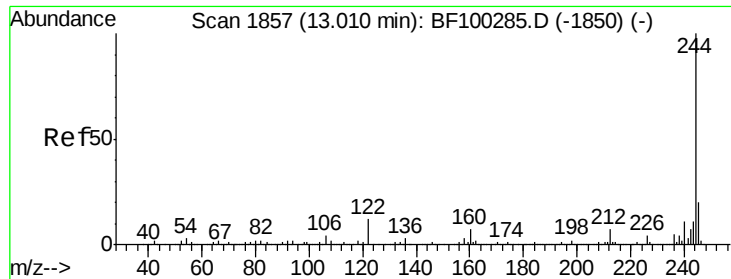
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF100804.D
Acq: 22 Nov 2017 2:53

Tgt Ion:240 Resp: 167963
Ion Ratio Lower Upper
240 100
120 11.2 9.5 14.3
236 25.4 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

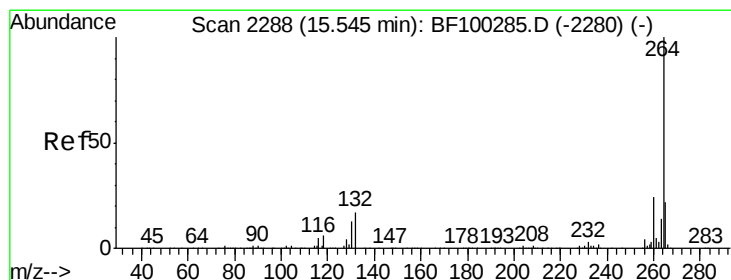
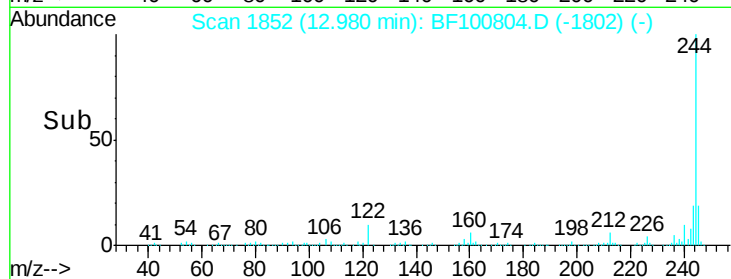
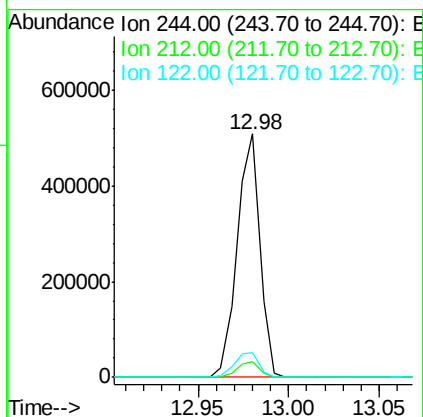
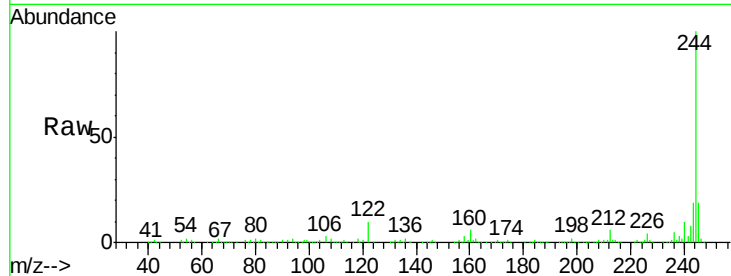




#78
 Terphenyl-d14
 Concen: 60.86 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100804.D
 Acq: 22 Nov 2017 2:53

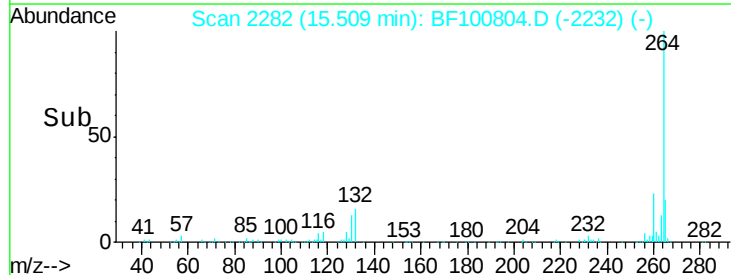
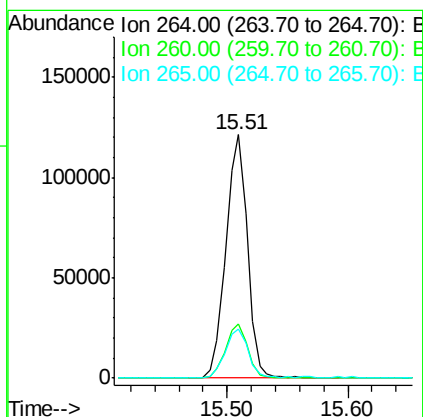
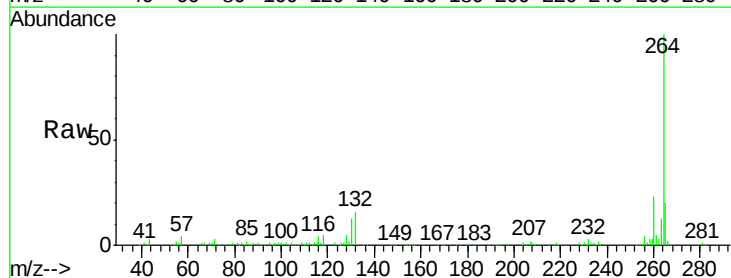
Instrument :
 BNA_F
 ClientSampleId :

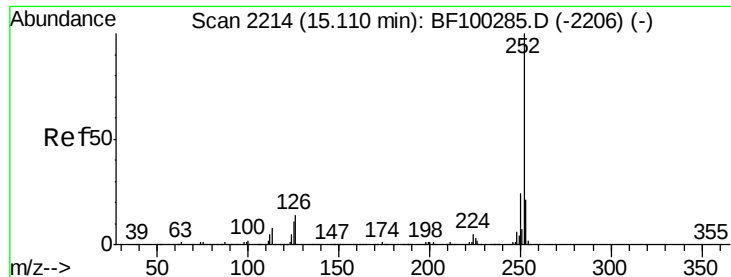
Tot Ion:244 Resp: 444855
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 10.1 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF100804.D
 Acq: 22 Nov 2017 2:53

Tgt Ion:264 Resp: 150325
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.2 28.8
 265 20.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.05 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

Instrument :

BNA_F

ClientSampleId :

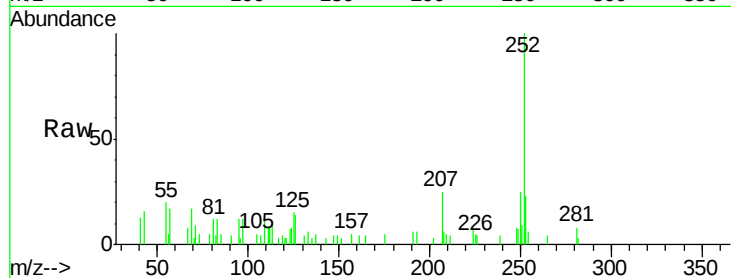
Tot Ion:252 Resp: 18242

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

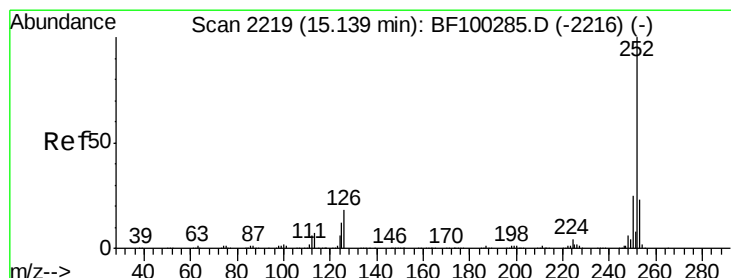
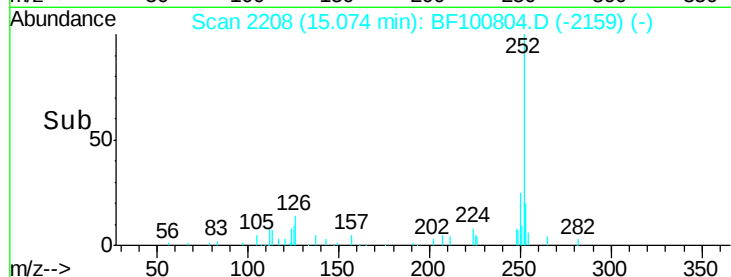
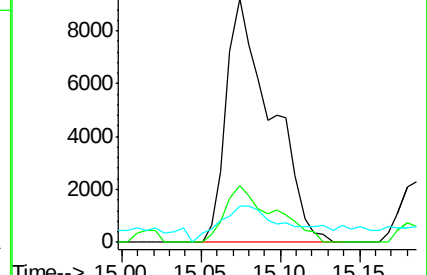
125 15.2 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.17 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.04 min

Lab File: BF100804.D

Acq: 22 Nov 2017 2:53

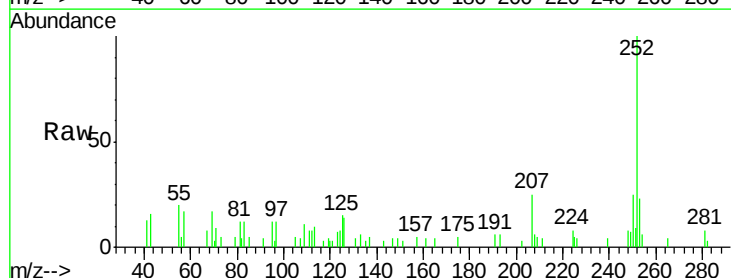
Tgt Ion:252 Resp: 18242

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 15.2 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

