

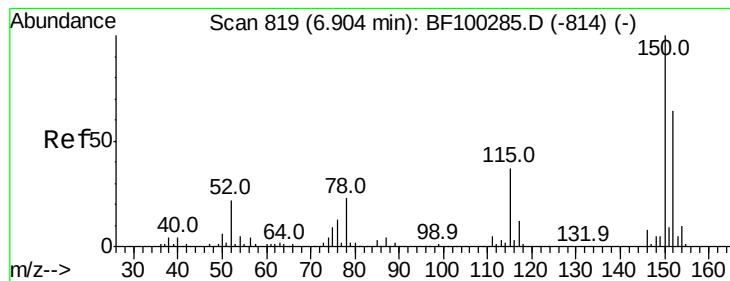
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100767.D
 Acq On : 21 Nov 2017 8:47
 Operator : SJ/JU
 Sample : I6466-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 11:49:51 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	79300	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	306019	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	127777	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	206725	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	176918	20.00	ng	-0.01
86) Perylene-d12	15.50	264	138229	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	496735	100.41	ng	0.00
7) Phenol-d6	6.50	99	599270	98.24	ng	-0.01
23) Nitrobenzene-d5	7.43	82	357729	77.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	109763	84.30	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	714413	85.14	ng	-0.01
78) Terphenyl-d14	12.98	244	516381	67.06	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	10333	2.372	ng	Qvalue 85
10) Phenol	6.51	94	28725	4.485	ng	93
19) n-Nitroso-di-n-propylamine	7.43	70	45406	10.733	ng	# 83
25) Isophorone	7.43	82	357782	36.783	ng	# 64
47) 2-Nitroaniline	9.23	65	994	3.179	ng	# 1
50) 2,6-Dinitrotoluene	9.91	165	16807	8.703	ng	# 24
56) 2,4-Dinitrotoluene	9.91	165	16807	6.899	ng	# 21
62) Azobenzene	10.62	77	35577	3.869	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	6894	3.111	ng	# 1
70) Phenanthrene	11.42	178	24577	2.258	ng	96
71) Anthracene	11.42	178	24577	2.226	ng	97
74) Fluoranthene	12.60	202	53093	4.603	ng	97
77) Pyrene	12.83	202	54031	4.284	ng	98
80) Benzo(a)anthracene	14.02	228	29454	2.765	ng	97
82) Chrysene	14.06	228	26566	2.575	ng	96
87) Benzo(b)fluoranthene	15.07	252	38266	4.673	ng	# 92
88) Benzo(k)fluoranthene	15.07	252	38266	4.945	ng	95
89) Benzo(a)pyrene	15.44	252	20599	2.837	ng	100

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

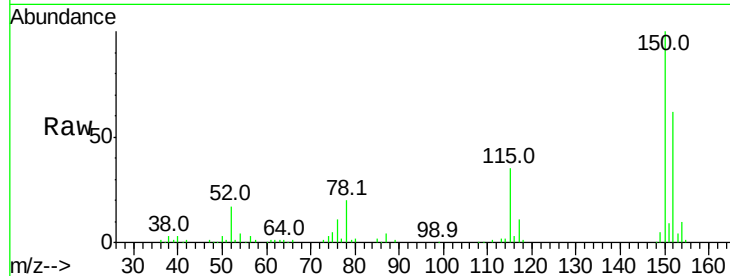


#1

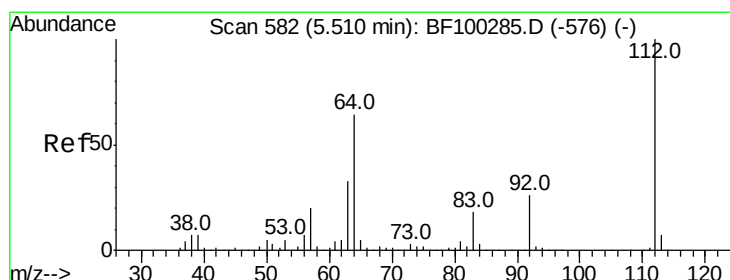
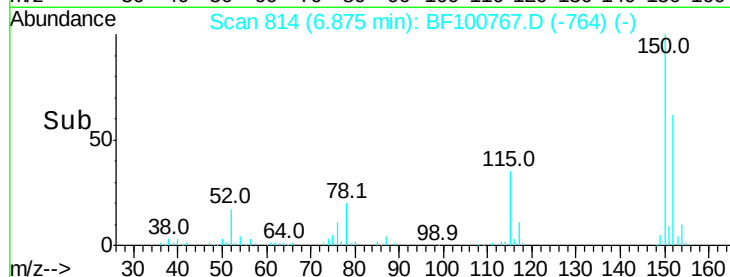
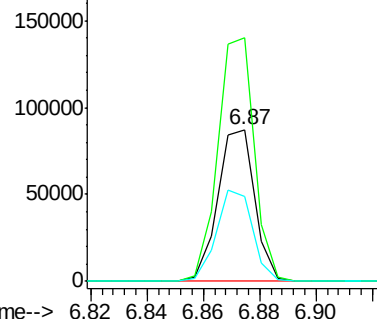
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	55.8	50.1	75.1



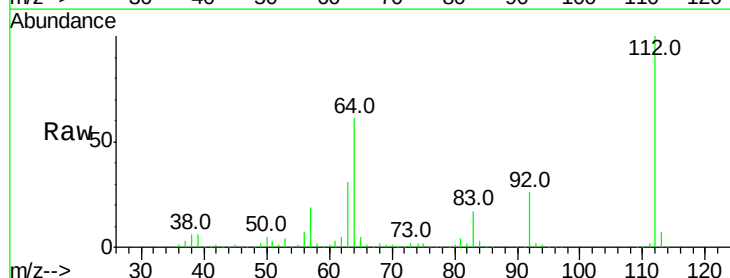
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



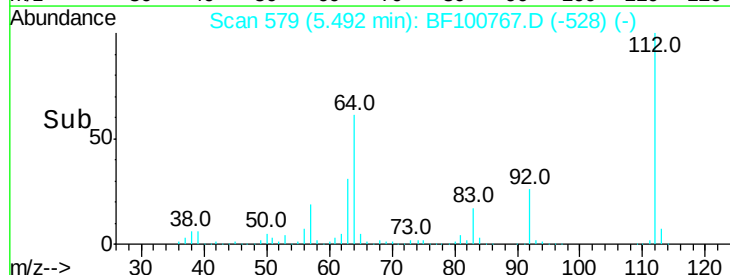
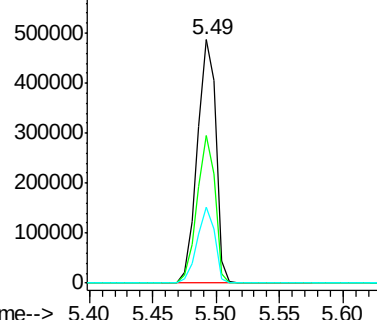
#5

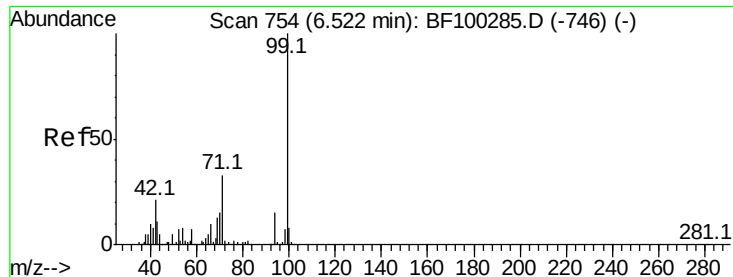
2-Fluorophenol
 Concen: 100.411 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	31.0	23.7	35.5



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





#7

Phenol-d6

Concen: 98.236 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Instrument :

BNA_F

ClientSampleId :

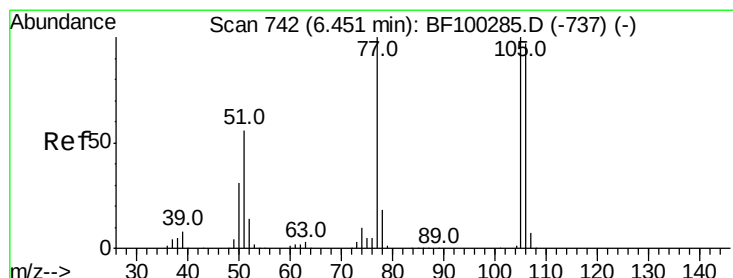
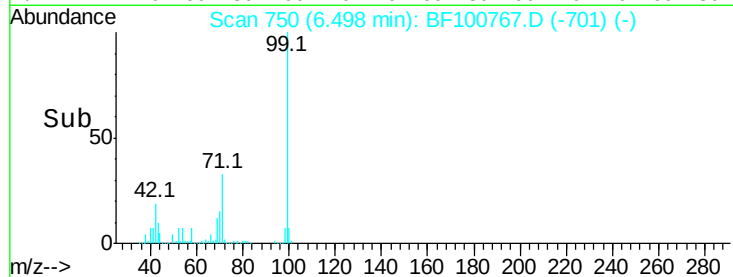
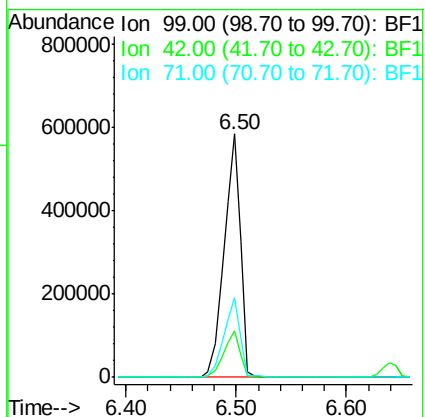
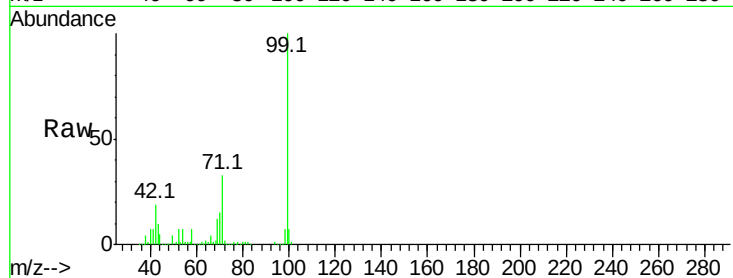
Tot Ion: 99 Resp: 599270

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 32.8 25.4 38.0



#9

Benzaldehyde

Concen: 2.372 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.21 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

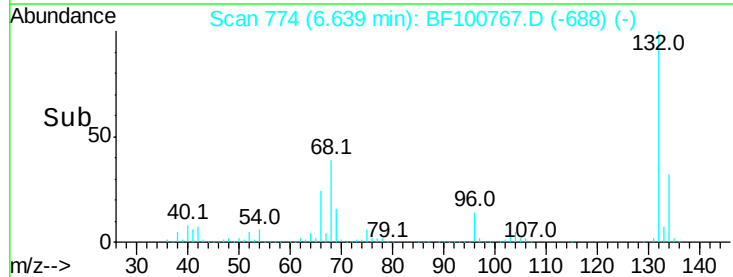
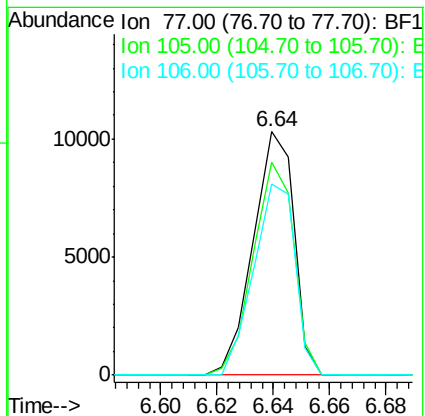
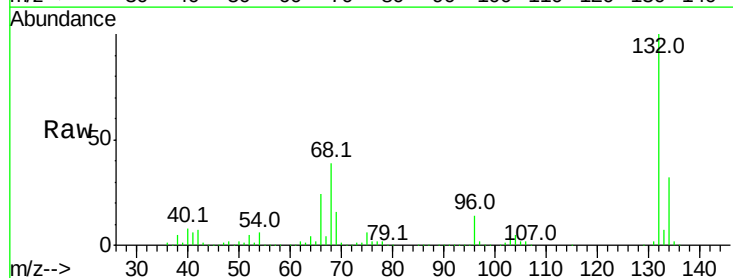
Tgt Ion: 77 Resp: 10333

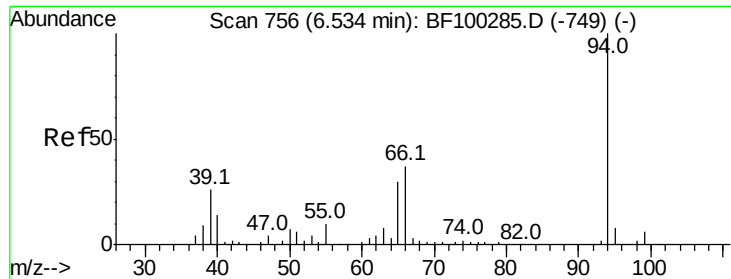
Ion Ratio Lower Upper

77 100

105 87.3 81.1 121.1

106 78.3 74.5 114.5





#10

Phenol

Concen: 4.485 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Instrument :

BNA_F

ClientSampleId :

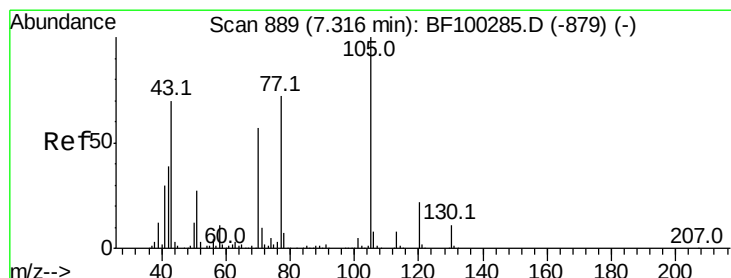
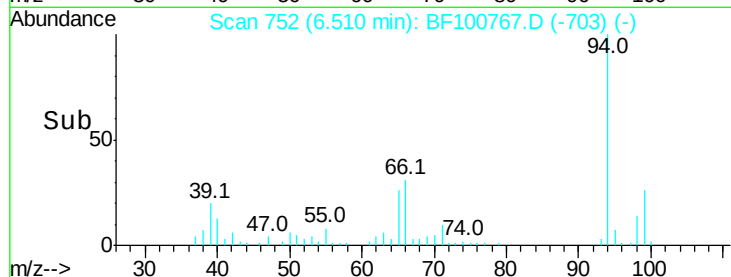
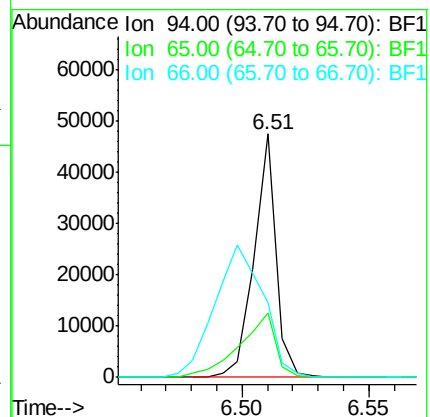
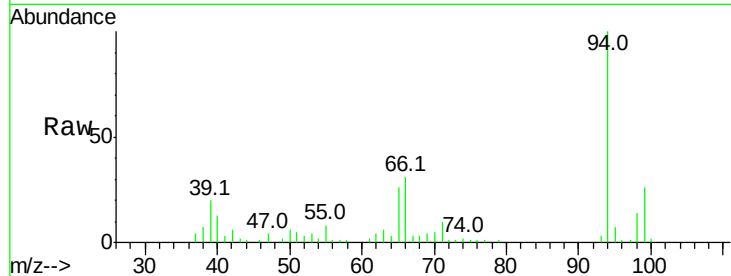
Tot Ion: 94 Resp: 28725

Ion Ratio Lower Upper

94 100

65 26.3 7.9 47.9

66 30.7 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.733 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Tgt Ion: 70 Resp: 45406

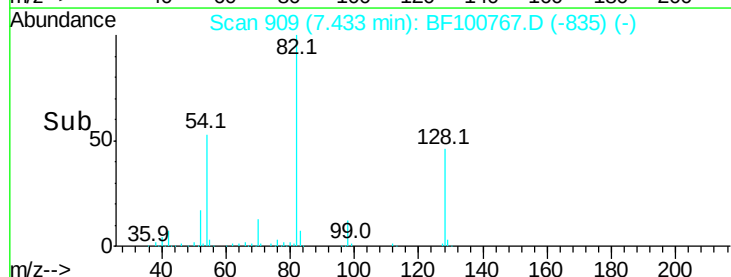
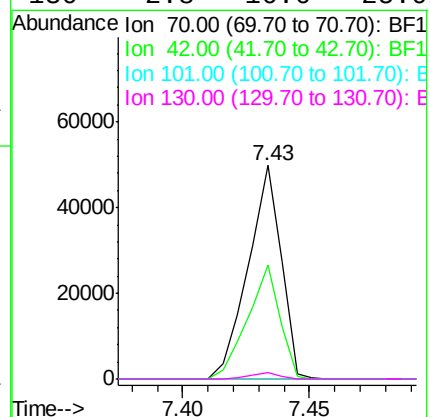
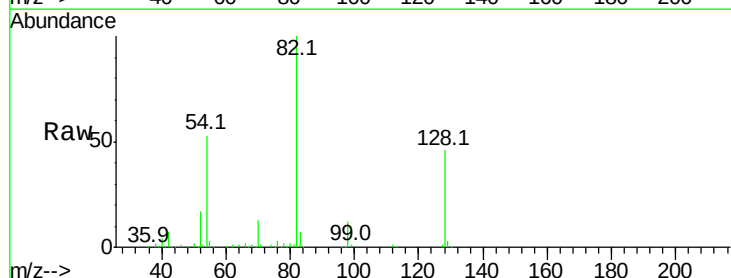
Ion Ratio Lower Upper

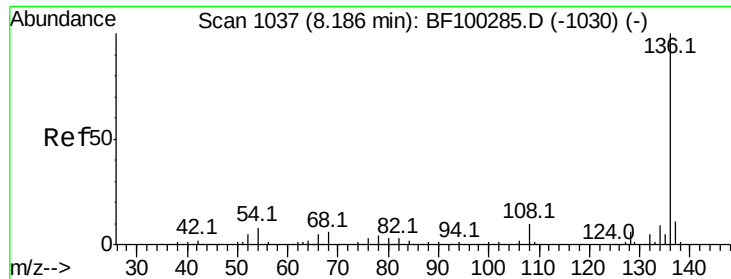
70 100

42 53.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

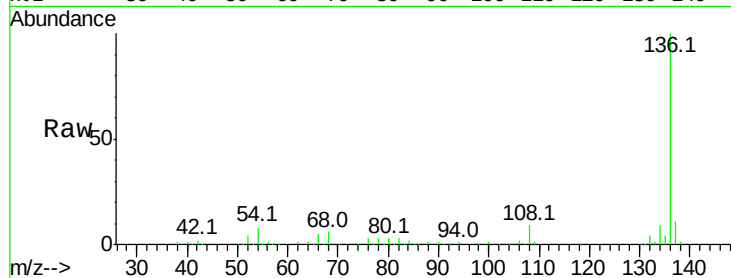




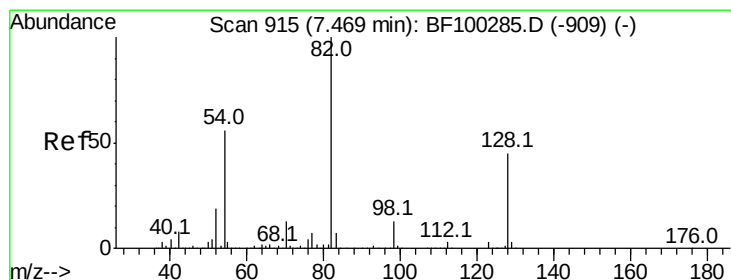
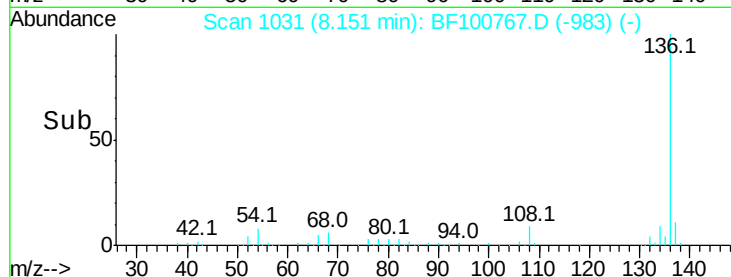
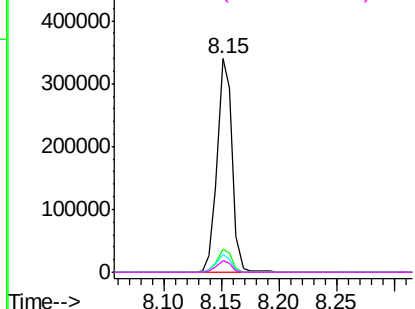
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	306019
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.3	6.6	9.8
68	5.6	5.0	7.4

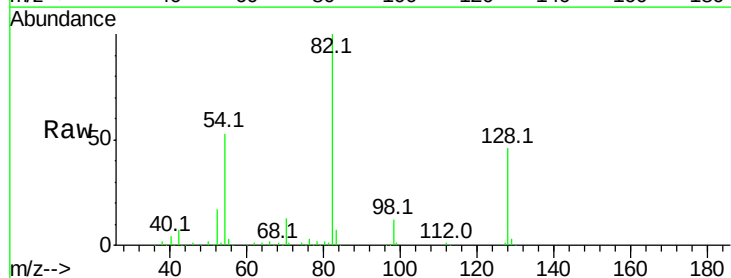


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

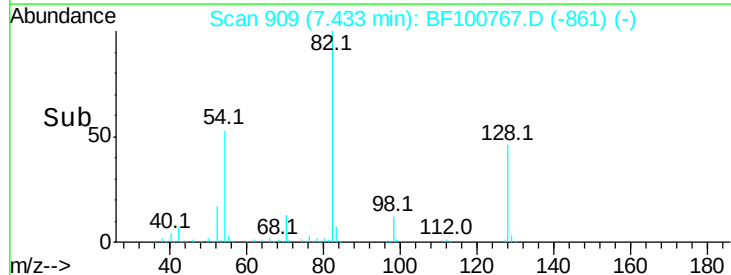
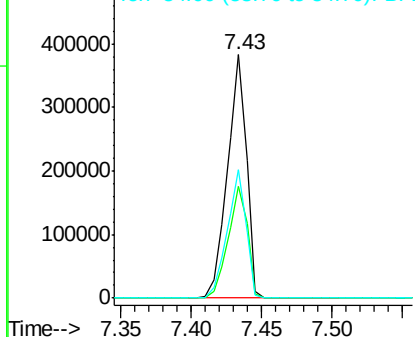


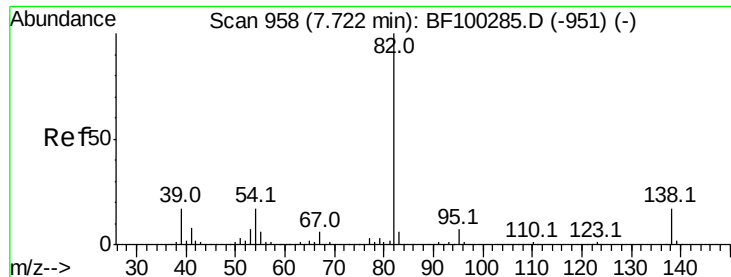
#23
Nitrobenzene-d5
Concen: 77.285 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Tgt Ion:	82	Resp:	357729
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	52.6	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: 36.783 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Instrument :

BNA_F

ClientSampled :

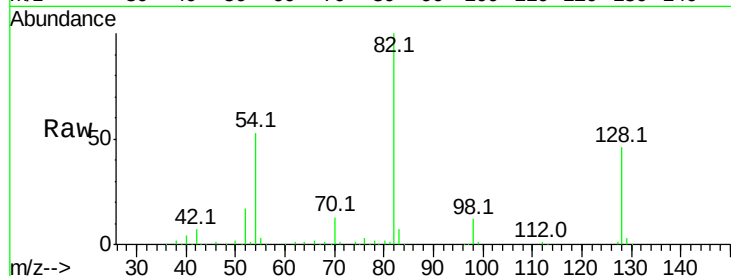
Tot Ion: 82 Resp: 357782

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

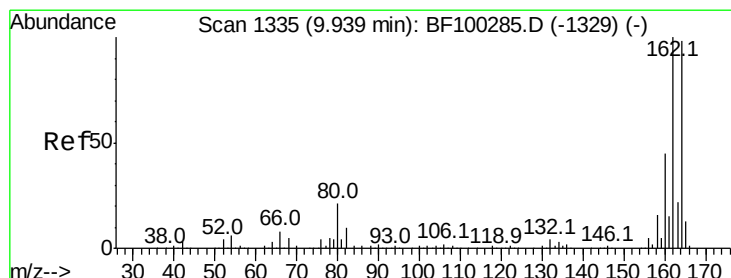
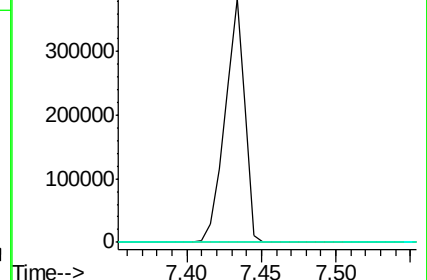
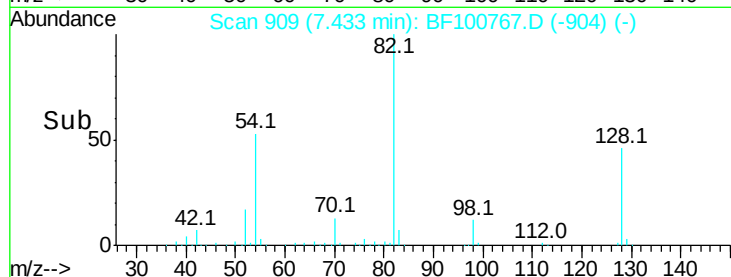
138 0.0 14.9 22.3#



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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

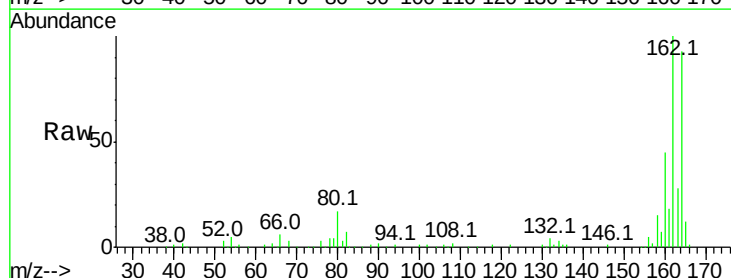
Tgt Ion: 164 Resp: 127777

Ion Ratio Lower Upper

164 100

162 107.0 86.1 129.1

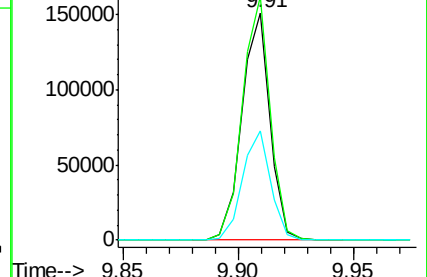
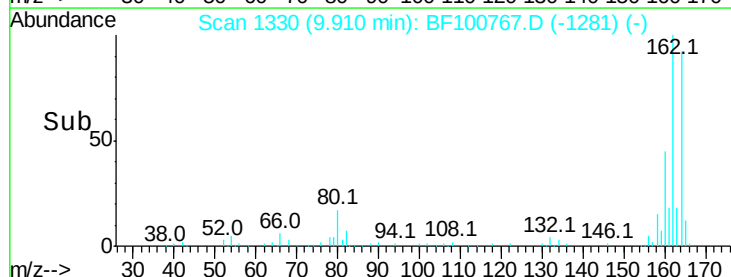
160 47.7 38.3 57.5

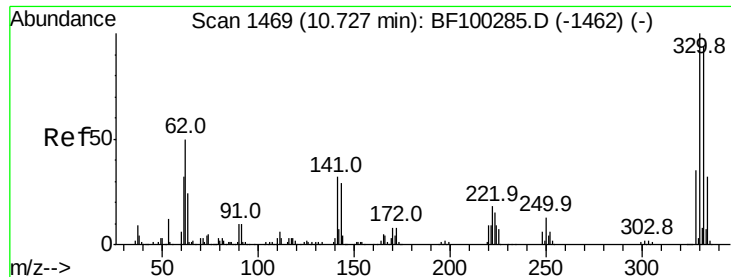


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

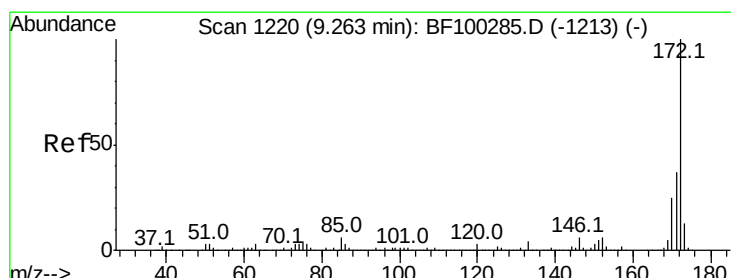
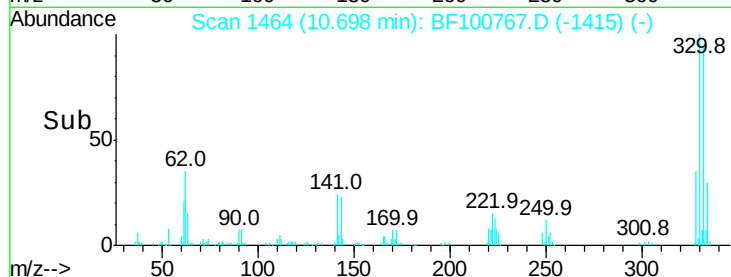
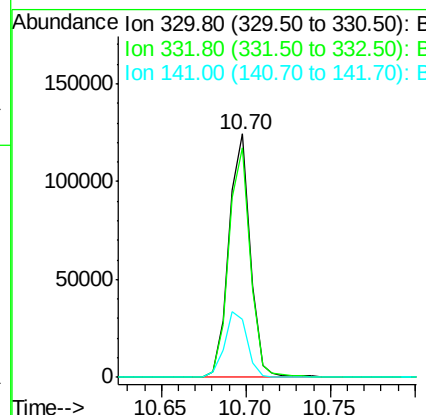
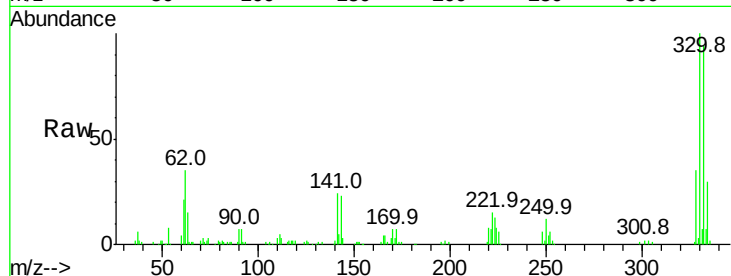




#41
 2,4,6-Tribromophenol
 Concen: 84.300 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

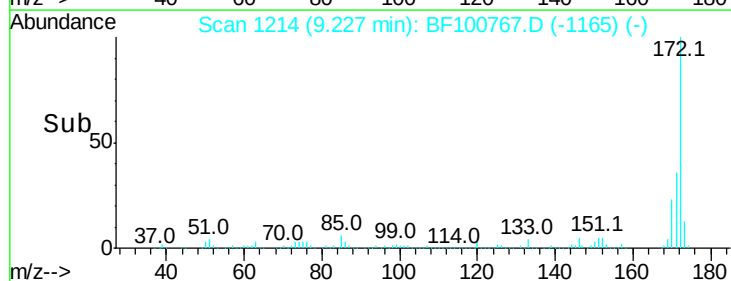
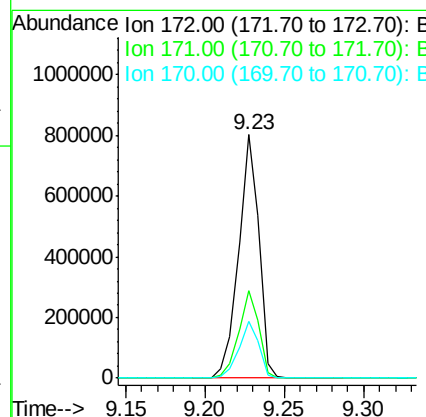
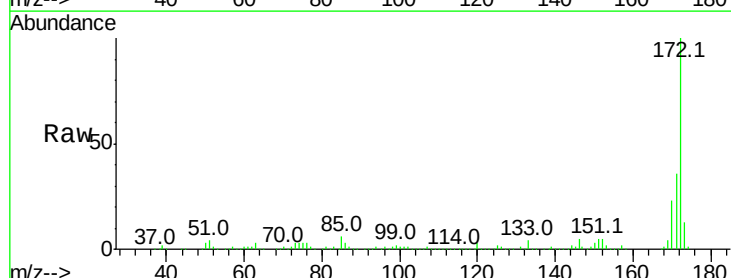
Instrument :
 BNA_F
 ClientSampleId :

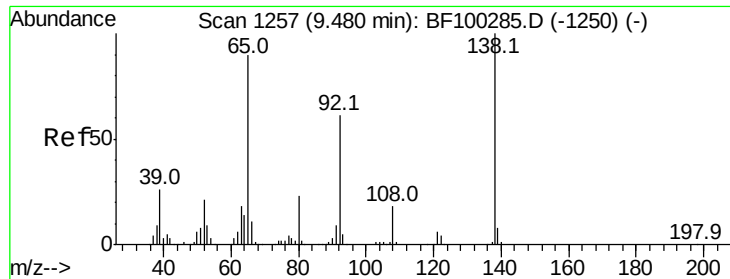
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	28.7	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 85.136 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.4	19.6	29.4





#47

2-Nitroaniline

Concen: 3.179 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.24 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Instrument :

BNA_F

ClientSampleId :

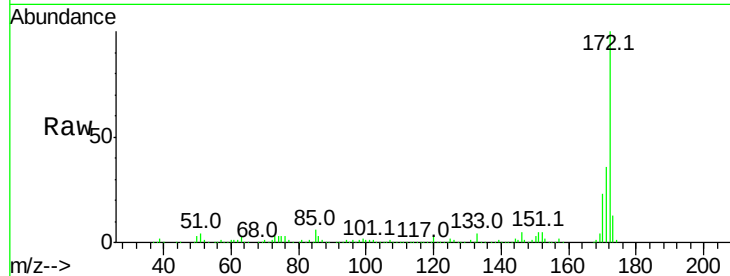
Tot Ion: 65 Resp: 994

Ion Ratio Lower Upper

65 100

92 178.2 55.8 83.6#

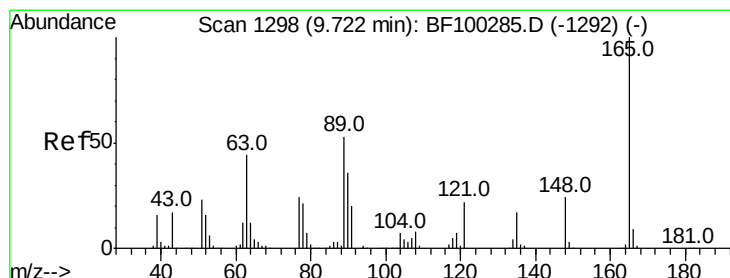
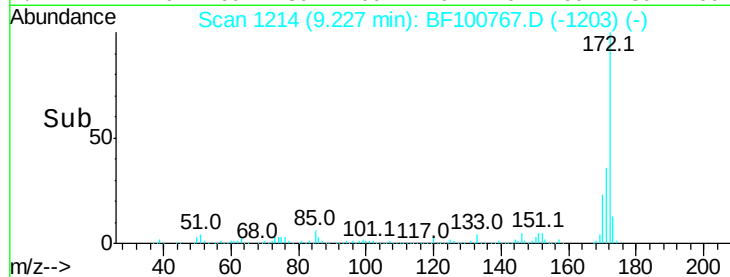
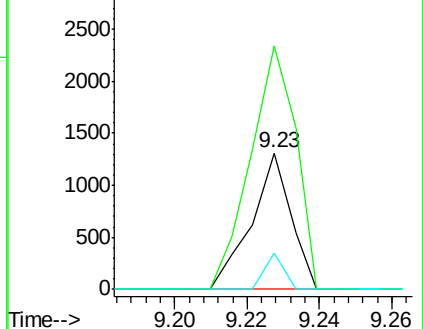
138 26.5 91.2 136.8#



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



#50

2,6-Dinitrotoluene

Concen: 8.703 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

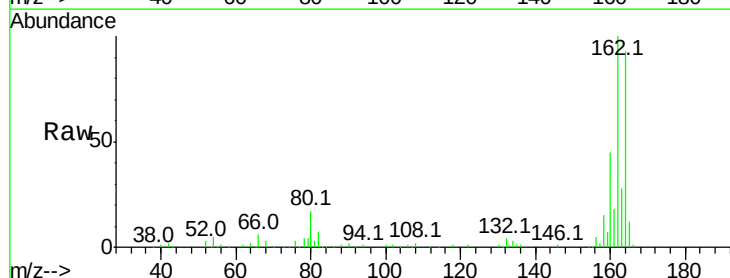
Tgt Ion: 165 Resp: 16807

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

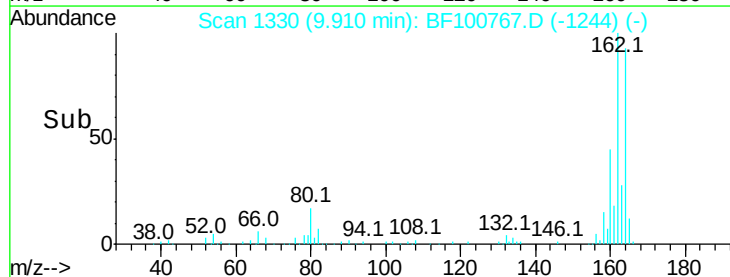
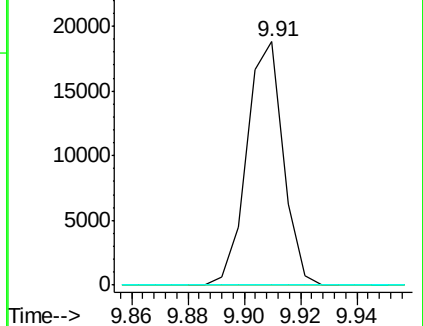
89 0.0 44.0 66.0#

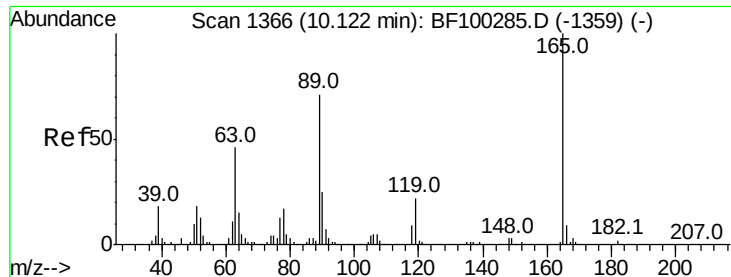


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

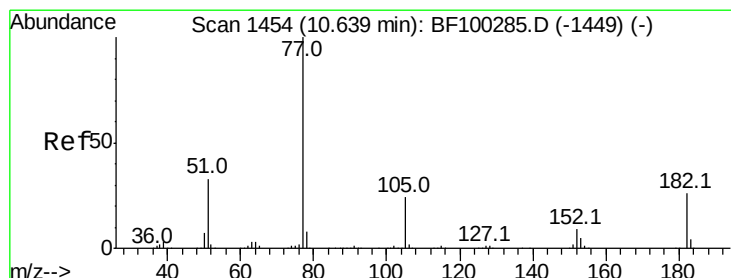
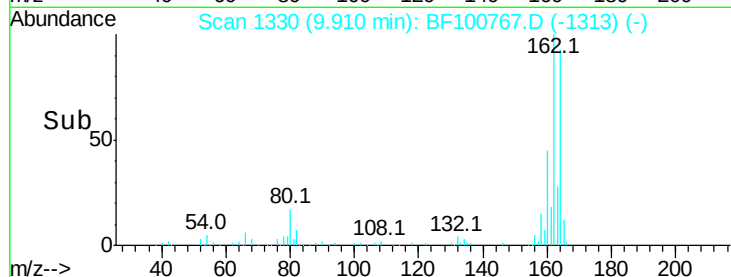
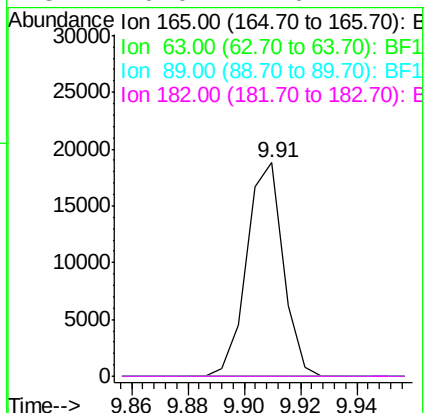
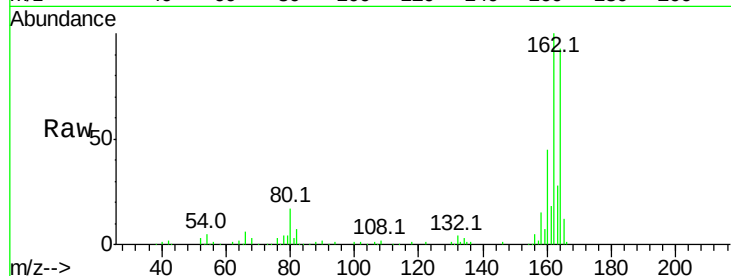




#56
 2,4-Dinitrotoluene
 Concen: 6.899 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

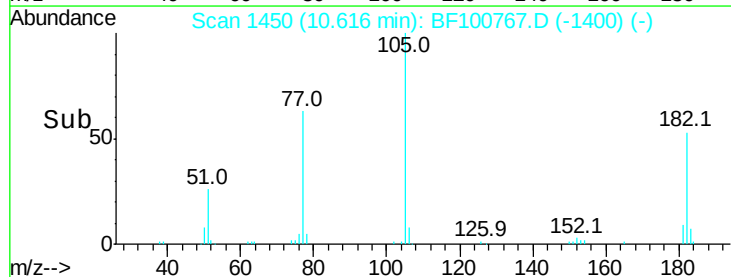
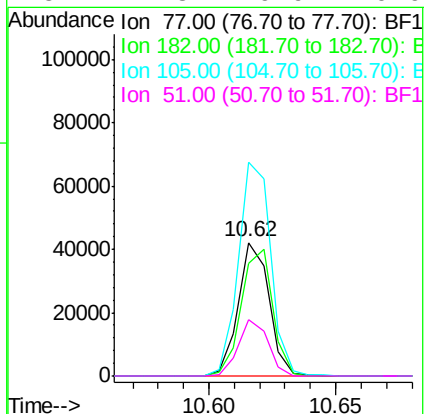
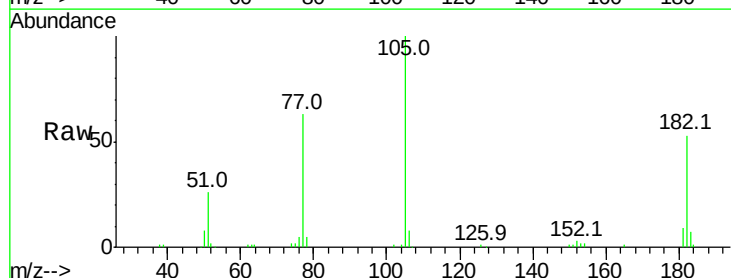
Instrument :
 BNA_F
 ClientSampled :

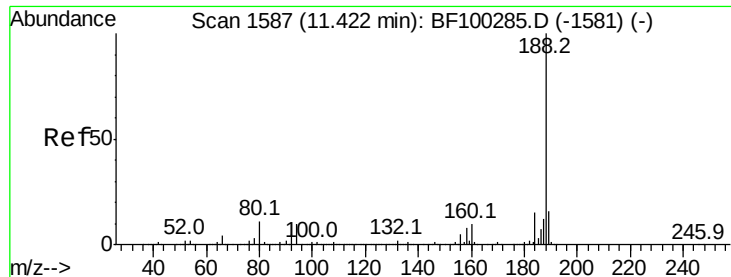
Tot Ion:	165	Resp:	16807
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 3.869 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Tgt Ion:	77	Resp:	35577
Ion	Ratio	Lower	Upper
77	100		
182	84.0	1.7	41.7#
105	160.0	3.0	43.0#
51	41.8	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Instrument :

BNA_F

ClientSampleId :

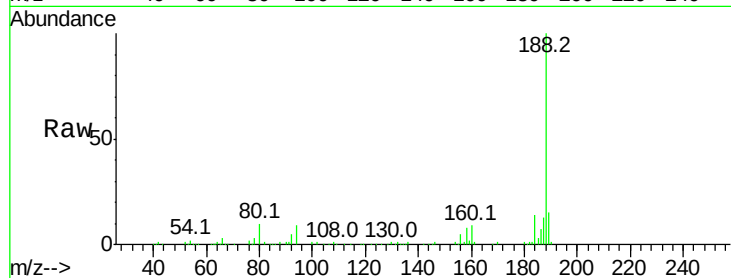
Tot Ion:188 Resp: 206725

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

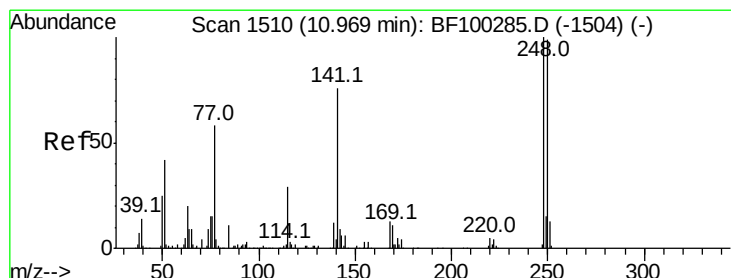
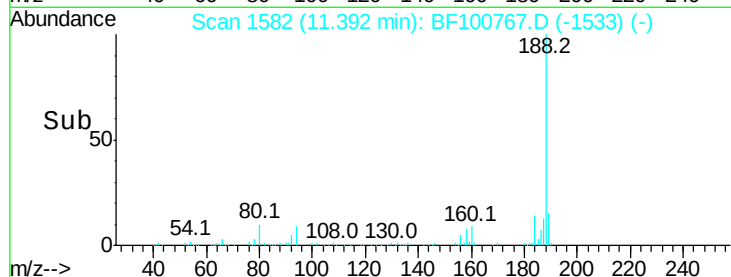
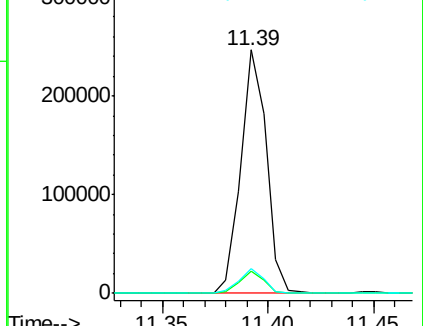
80 10.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 3.111 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.25 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

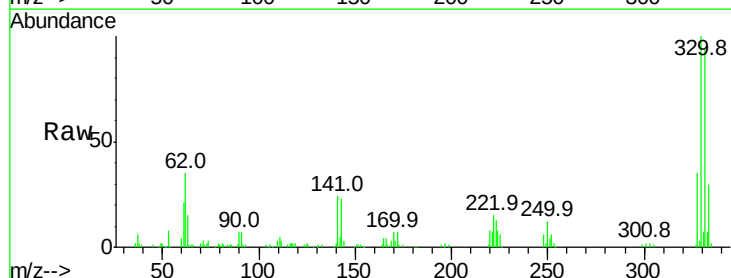
Tgt Ion:248 Resp: 6894

Ion Ratio Lower Upper

248 100

250 186.8 76.9 115.3#

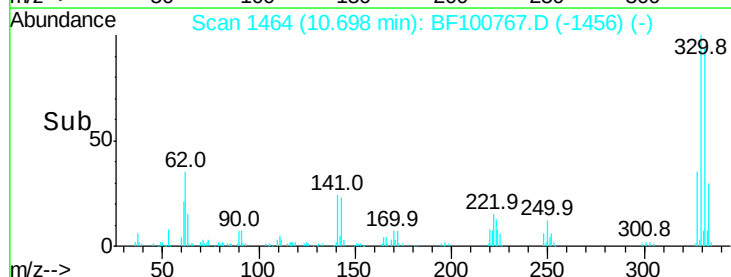
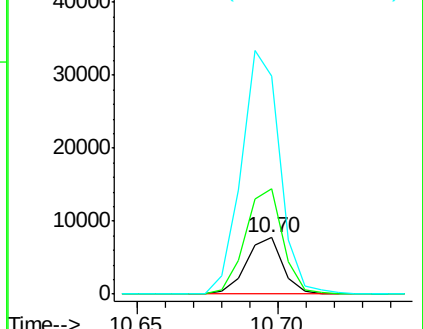
141 387.6 74.4 111.6#

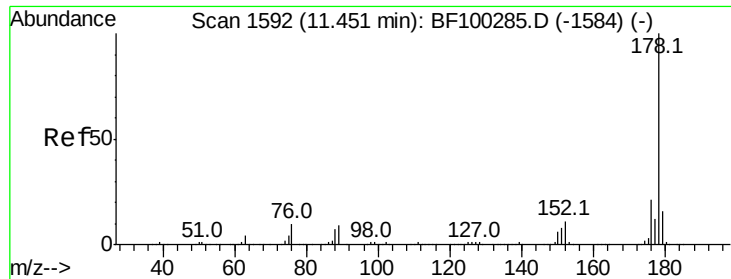


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

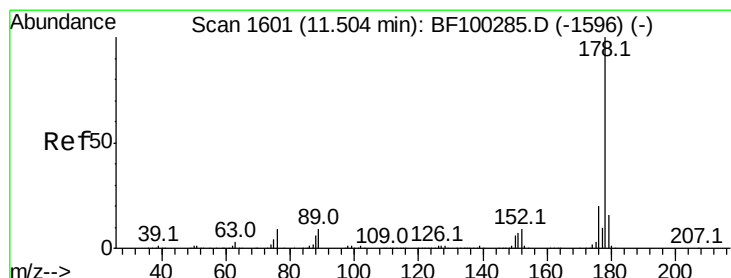
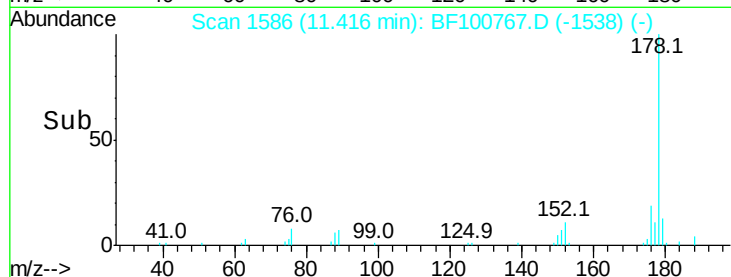
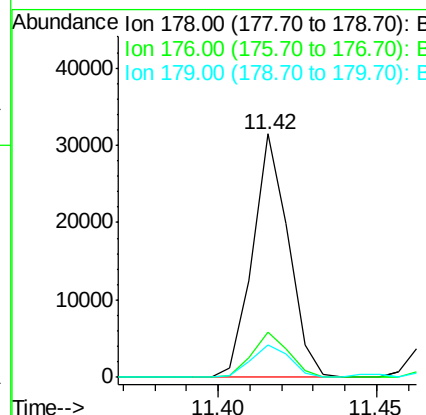
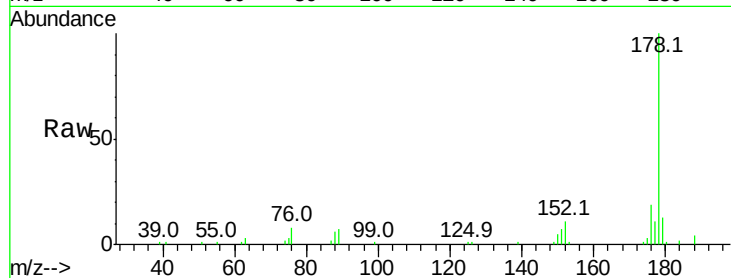




#70
Phenanthrene
Concen: 2.258 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

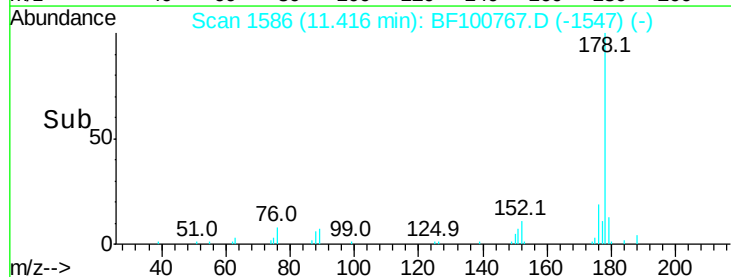
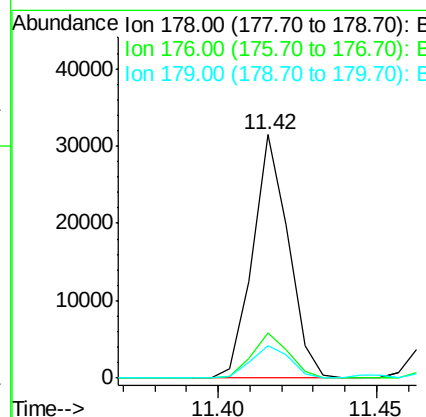
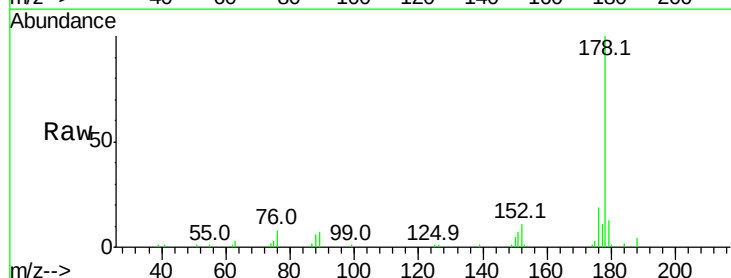
Instrument :
BNA_F
ClientSampleId :

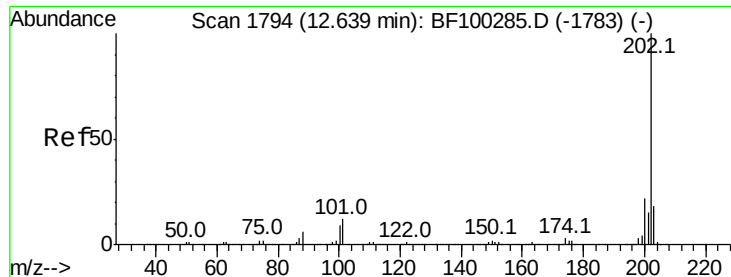
Tot Ion:178 Resp: 24577
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 13.4 13.0 19.6



#71
Anthracene
Concen: 2.226 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.07 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Tgt Ion:178 Resp: 24577
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 13.4 12.6 19.0





#74

Fluoranthene

Concen: 4.603 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Instrument :

BNA_F

ClientSampleId :

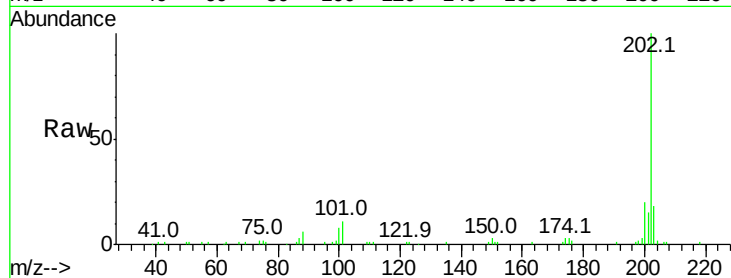
Tot Ion:202 Resp: 53093

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

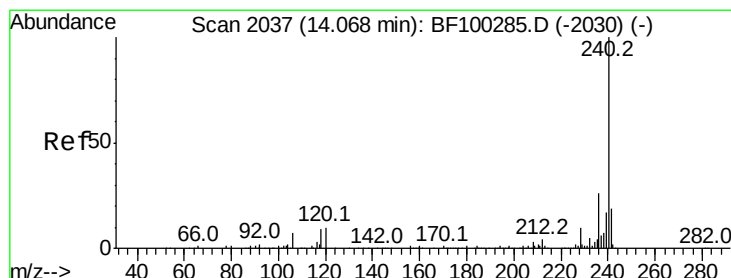
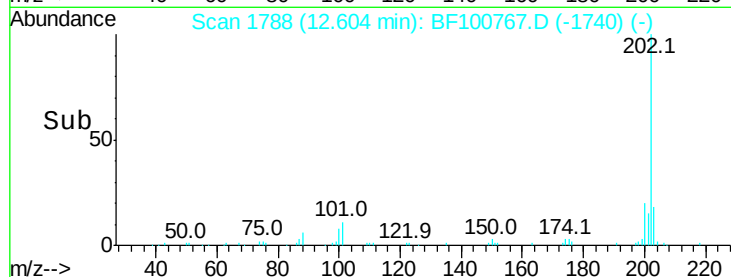
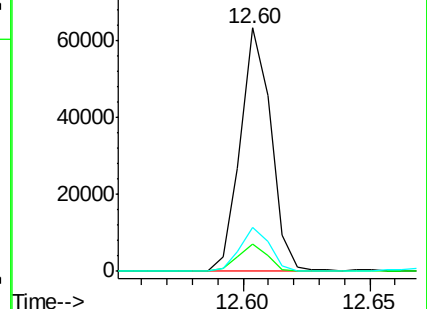
203 18.0 0.0 38.1



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: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

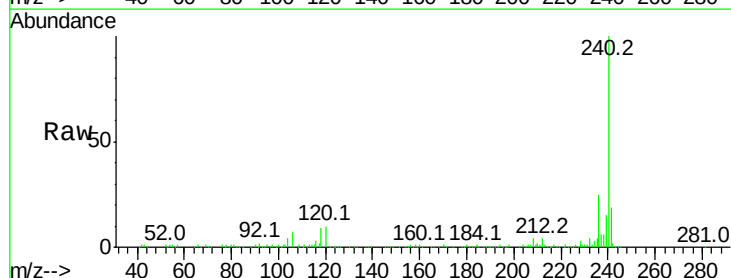
Tgt Ion:240 Resp: 176918

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

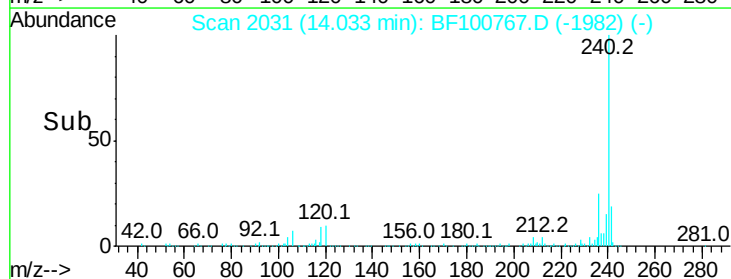
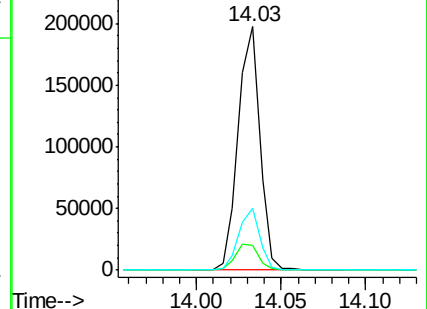
236 25.4 20.7 31.1

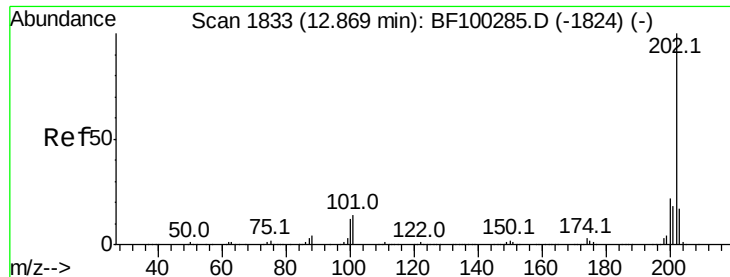


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

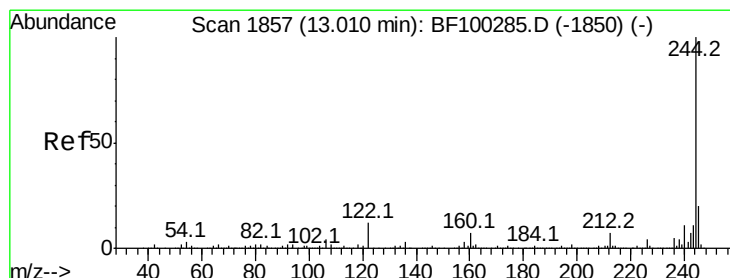
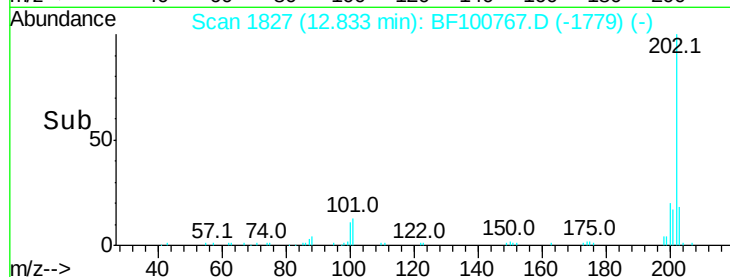
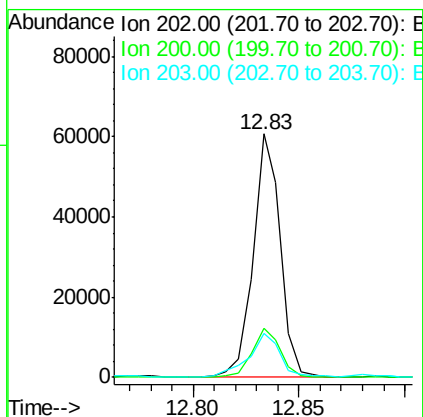
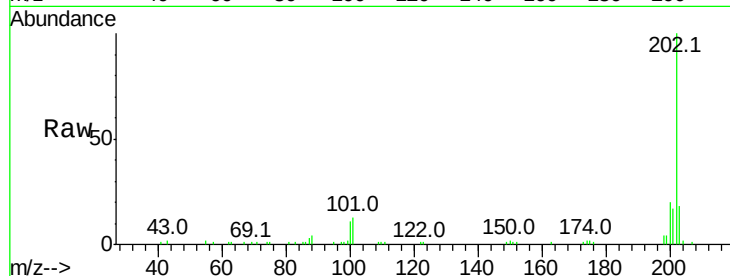




#77
 Pvrene
 Concen: 4.284 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

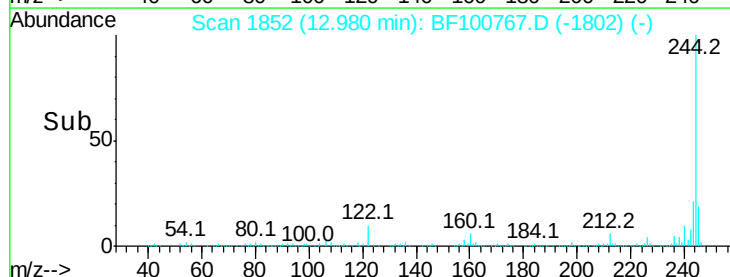
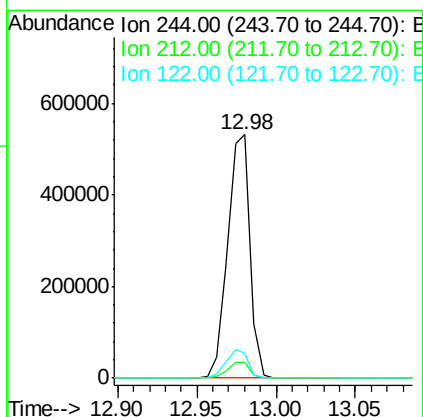
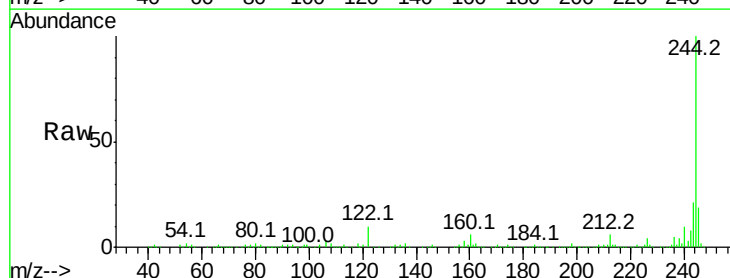
Instrument :
 BNA_F
 ClientSampleId :

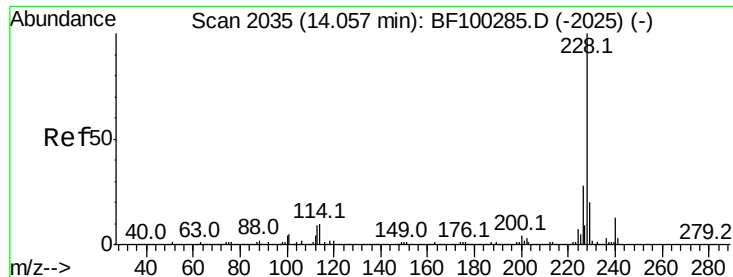
Tot Ion:202 Resp: 54031
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.4 26.2
 203 18.0 14.3 21.5



#78
 Terphenyl-d14
 Concen: 67.065 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100767.D
 Acq: 21 Nov 2017 8:47

Tgt Ion:244 Resp: 516381
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.0 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 2.765 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

Instrument :

BNA_F

ClientSampleId :

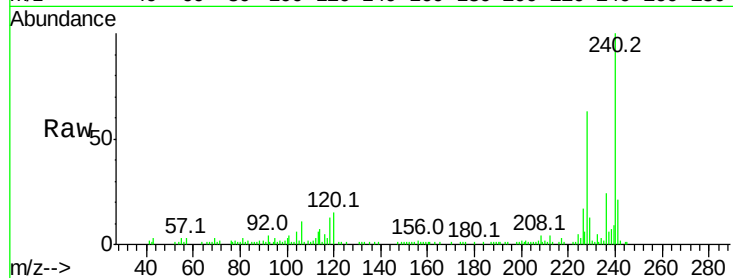
Tot Ion:228 Resp: 29454

Ion Ratio Lower Upper

228 100

226 26.4 22.6 33.8

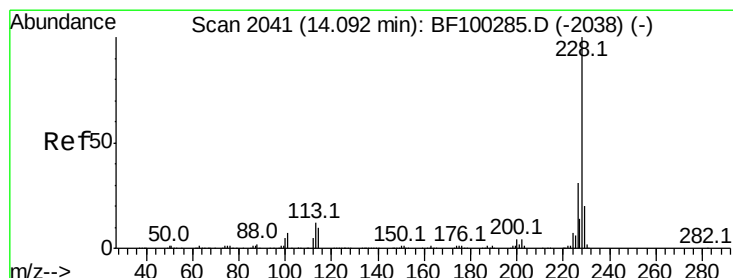
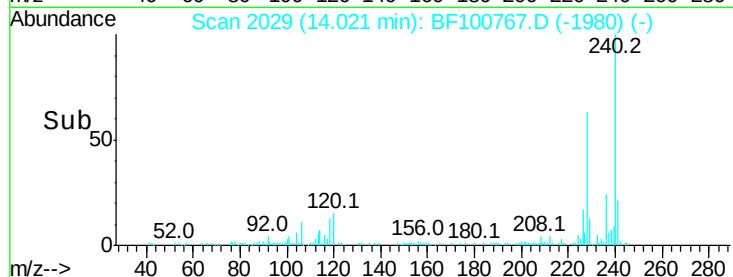
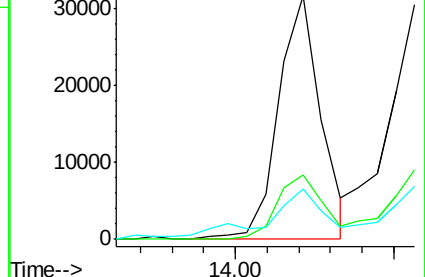
229 20.4 15.8 23.6



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: 2.575 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF100767.D

Acq: 21 Nov 2017 8:47

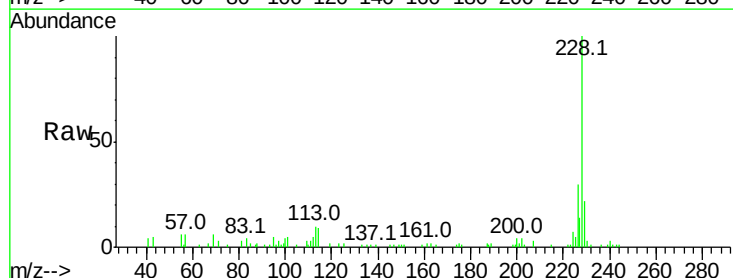
Tgt Ion:228 Resp: 26566

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

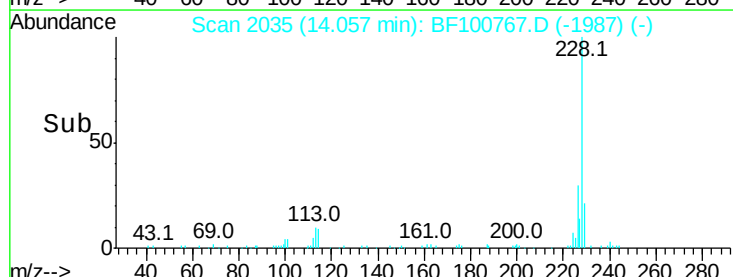
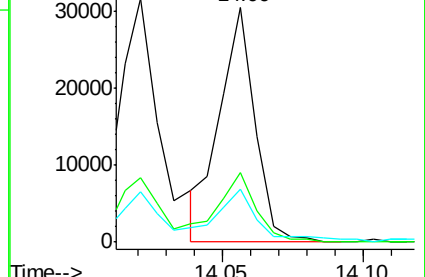
229 22.4 16.2 24.4

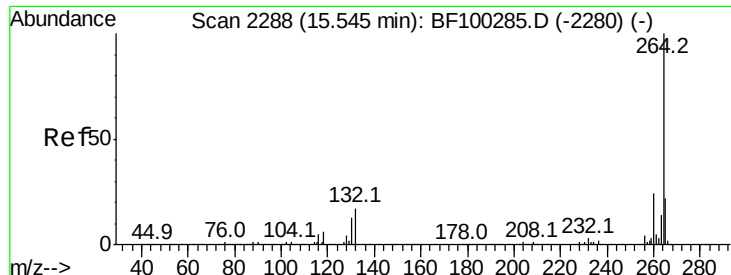


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

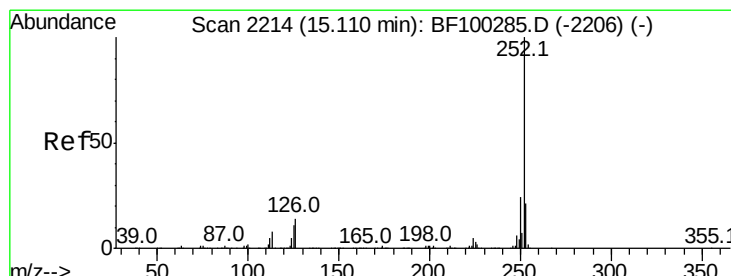
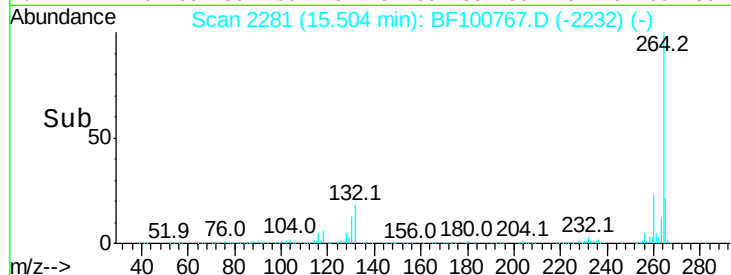
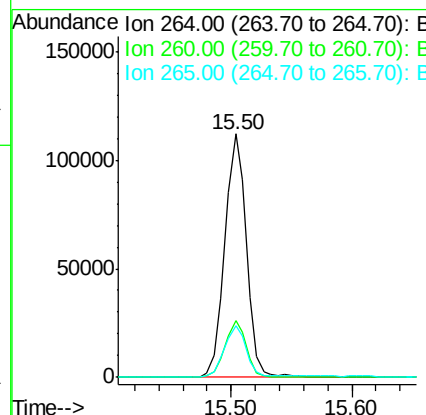
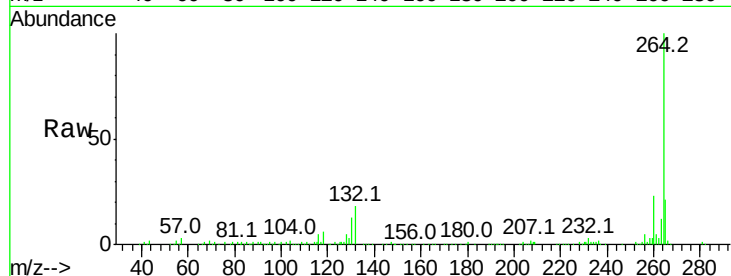




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

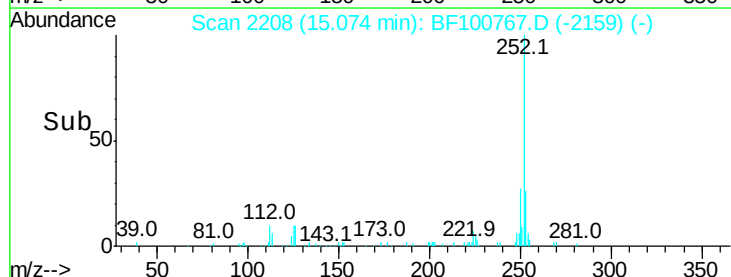
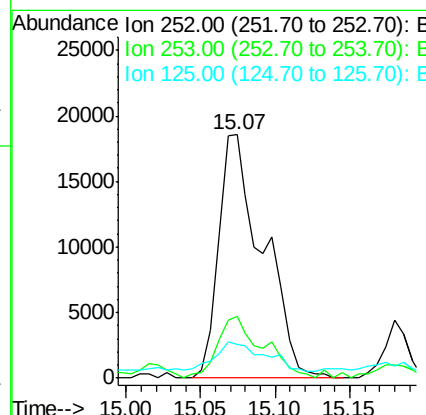
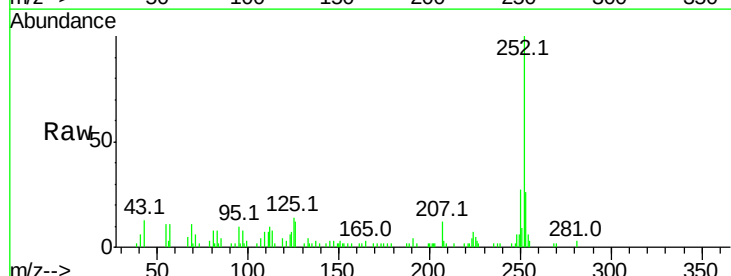
Instrument :
BNA_F
ClientSampleId :

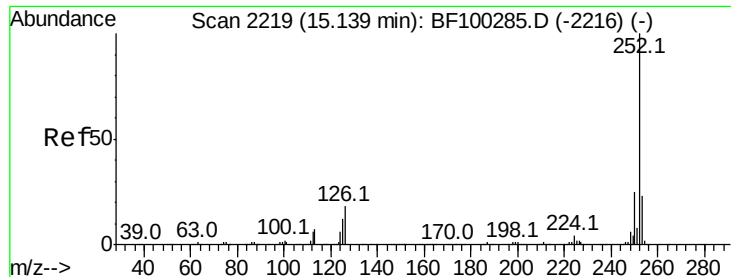
Tot Ion:264 Resp: 138229
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.673 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Tgt Ion:252 Resp: 38266
Ion Ratio Lower Upper
252 100
253 25.6 17.0 25.6#
125 13.9 9.0 13.6#

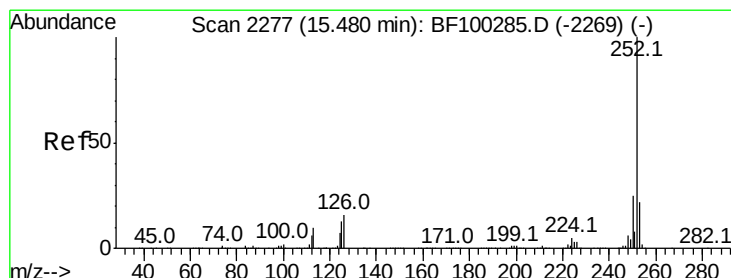
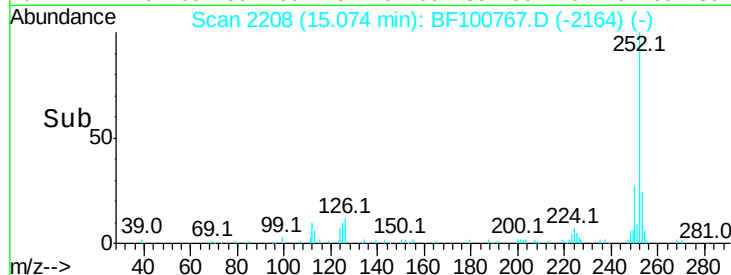
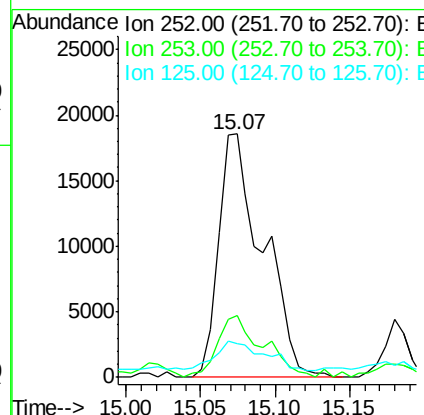
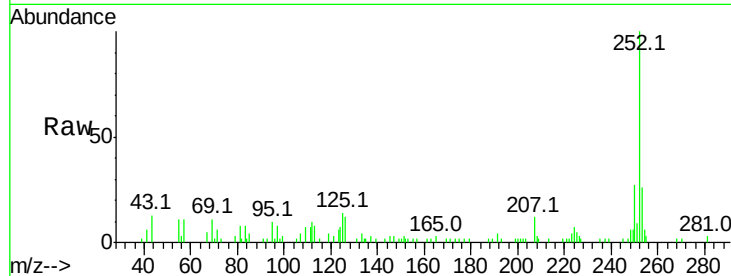




#88
Benzo(k)fluoranthene
Concen: 4.945 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	13.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.837 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100767.D
Acq: 21 Nov 2017 8:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	12.7	9.8	14.6

