

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100792.D
 Acq On : 21 Nov 2017 20:34
 Operator : SJ/JU
 Sample : I6499-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 04:17:31 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	82729	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	316740	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	137490	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	216209	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	169786	20.00	ng	0.00
86) Perylene-d12	15.52	264	180585	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	633925	122.83	ng	0.00
7) Phenol-d6	6.50	99	778753	122.37	ng	0.00
23) Nitrobenzene-d5	7.44	82	480978	100.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	166771	119.04	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	894194	99.03	ng	-0.01
78) Terphenyl-d14	12.98	244	584756	79.13	ng	0.00

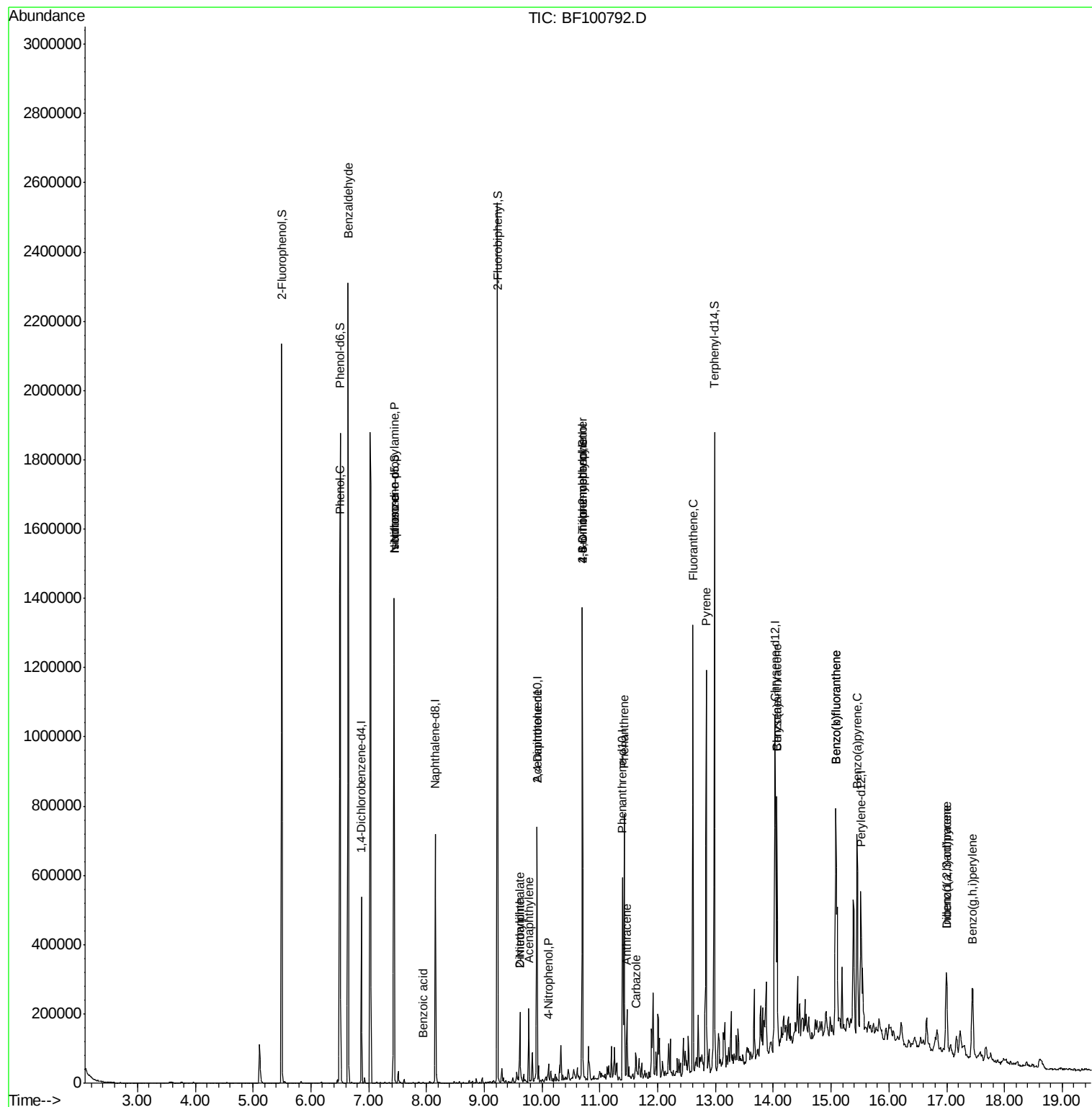
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	12997	2.86	ng	84
10) Phenol	6.52	94	34053	5.10	ng	98
19) n-Nitroso-di-n-propylamine	7.44	70	62033	14.06	ng	# 78
25) Isophorone	7.44	82	480968	47.77	ng	# 64
32) Benzoic acid	7.94	122	151	9.41	ng	# 1
47) 2-Nitroaniline	9.62	65	485	2.96	ng	# 1
48) Acenaphthylene	9.77	152	82351	5.76	ng	99
49) Dimethylphthalate	9.62	163	73725	7.02	ng	100
55) 4-Nitrophenol	10.11	139	4468	2.24	ng	# 9
56) 2,4-Dinitrotoluene	9.91	165	17729	6.76	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	241	8.75	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	10480	4.52	ng	# 1
70) Phenanthrene	11.42	178	295280	25.94	ng	97
71) Anthracene	11.47	178	68550	5.94	ng	99
72) Carbazole	11.62	167	26977	2.53	ng	98
74) Fluoranthene	12.61	202	500470	41.48	ng	96
77) Pyrene	12.84	202	461097	38.10	ng	99
80) Benzo(a)anthracene	14.06	228	285574	27.93	ng	96
82) Chrysene	14.06	228	285574	28.84	ng	96
85) Indeno(1,2,3-cd)pyrene	17.00	276	155587	19.43	ng	# 90
87) Benzo(b)fluoranthene	15.08	252	514260	48.07	ng	98
88) Benzo(k)fluoranthene	15.08	252	514260	50.87	ng	99
89) Benzo(a)pyrene	15.45	252	259840	27.40	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	40343	5.20	ng	97
91) Benzo(g,h,i)perylene	17.45	276	161951	21.33	ng	93

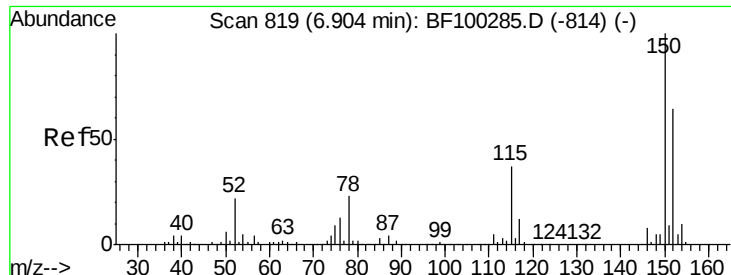
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100792.D
Acq On : 21 Nov 2017 20:34
Operator : SJ/JU
Sample : I6499-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 22 04:17:31 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



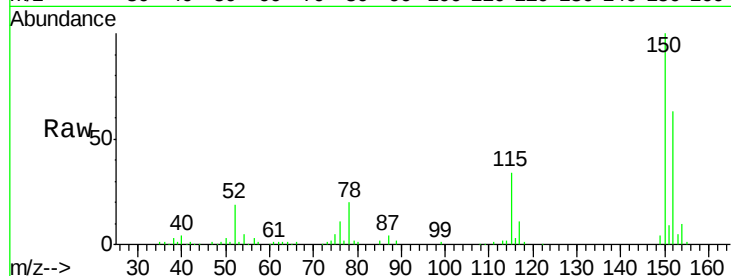


#1

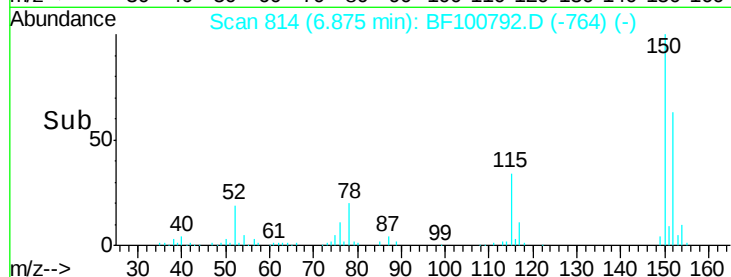
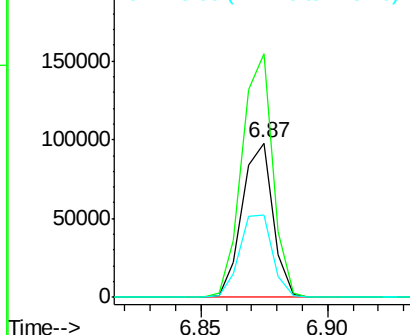
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 82729
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 53.8 50.1 75.1



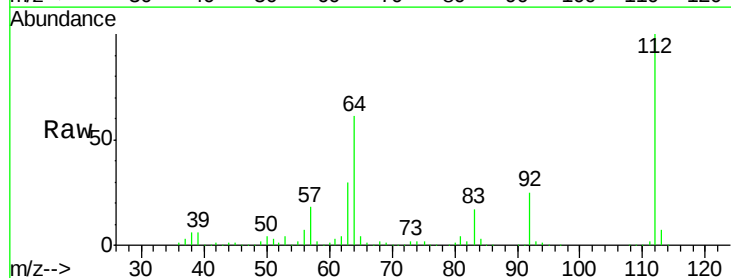
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



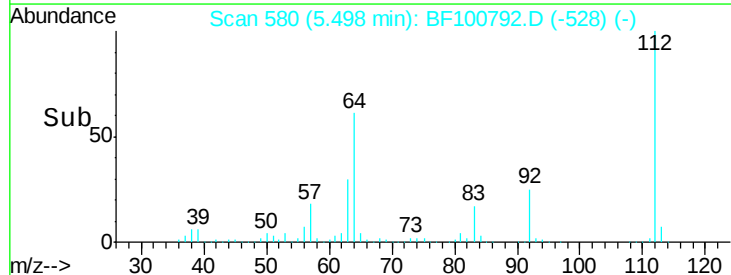
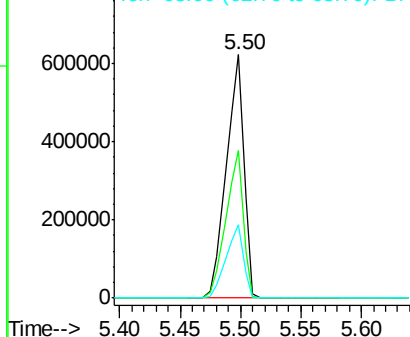
#5

2-Fluorophenol
 Concen: 122.83 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Tgt Ion:112 Resp: 633925
 Ion Ratio Lower Upper
 112 100
 64 60.8 47.9 71.9
 63 30.4 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: 122.37 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampleId :

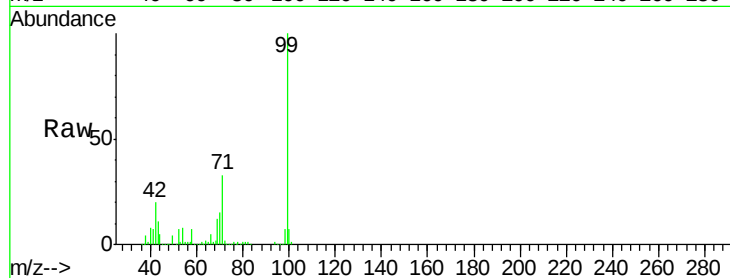
Tot Ion: 99 Resp: 778753

Ion Ratio Lower Upper

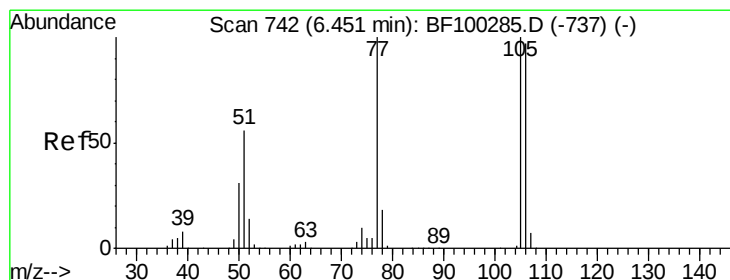
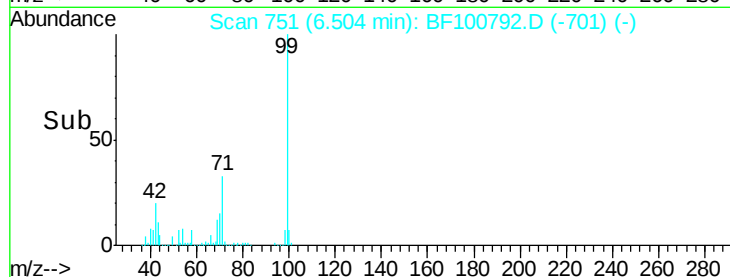
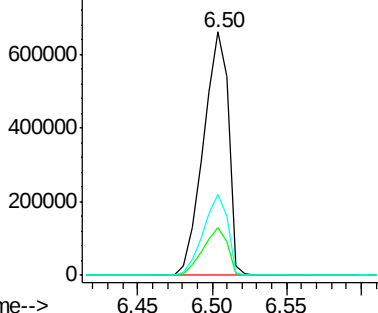
99 100

42 19.8 14.5 21.7

71 33.3 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



#9

Benzaldehyde

Concen: 2.86 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.21 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

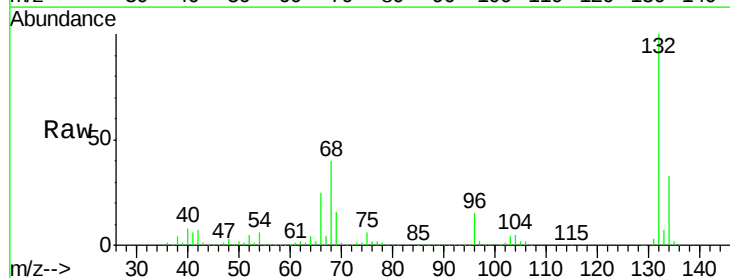
Tgt Ion: 77 Resp: 12997

Ion Ratio Lower Upper

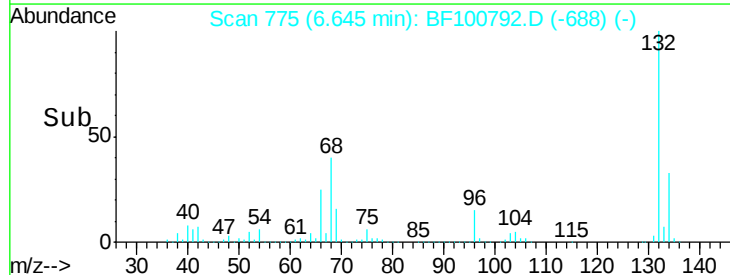
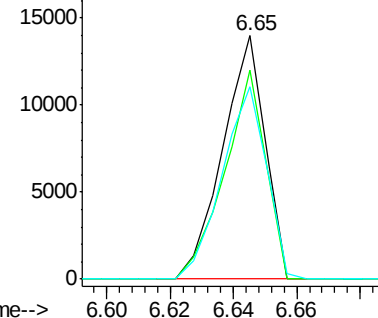
77 100

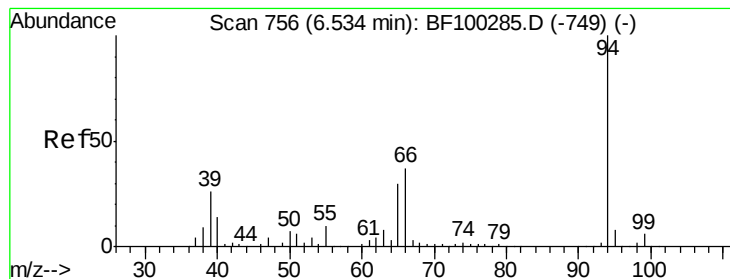
105 85.8 81.1 121.1

106 78.9 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





#10

Phenol

Concen: 5.10 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampled :

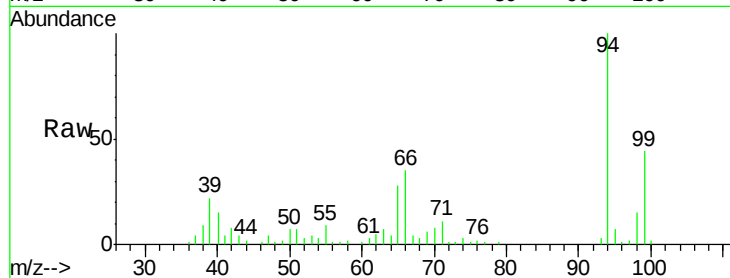
Tot Ion: 94 Resp: 34053

Ion Ratio Lower Upper

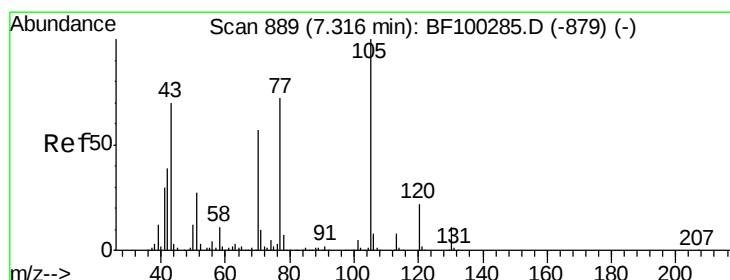
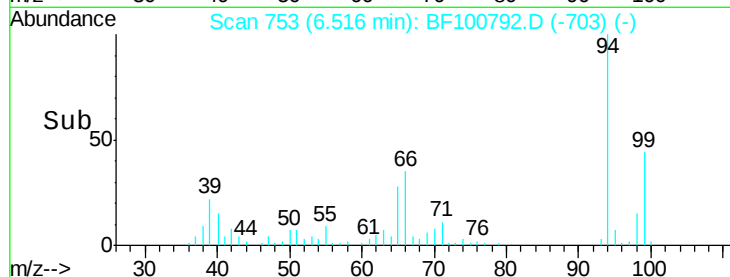
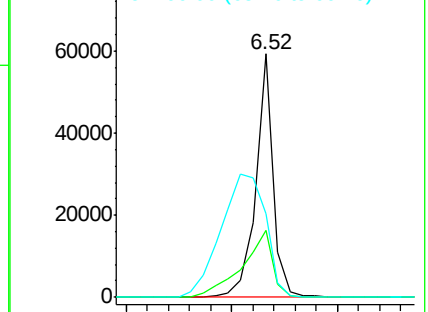
94 100

65 27.5 7.9 47.9

66 34.5 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: 14.06 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Tgt Ion: 70 Resp: 62033

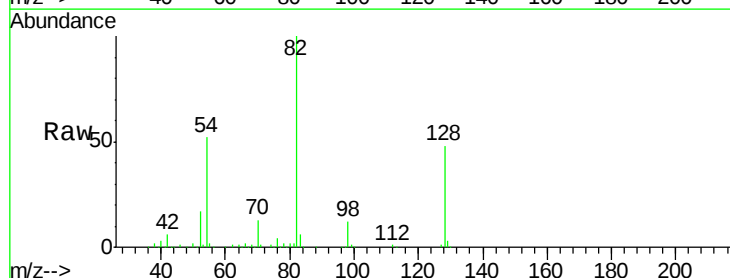
Ion Ratio Lower Upper

70 100

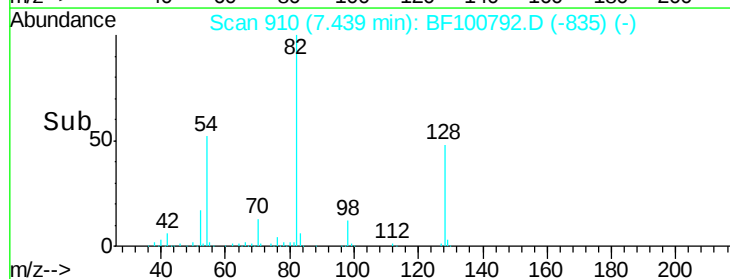
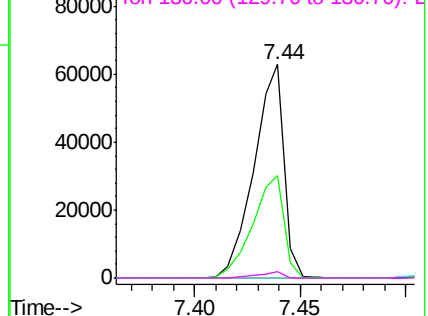
42 48.1 47.5 71.3

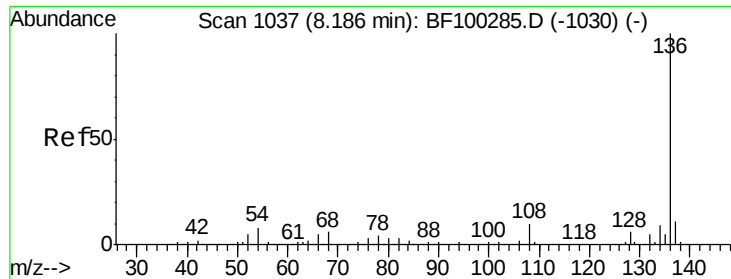
101 0.0 7.4 11.2#

130 2.8 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

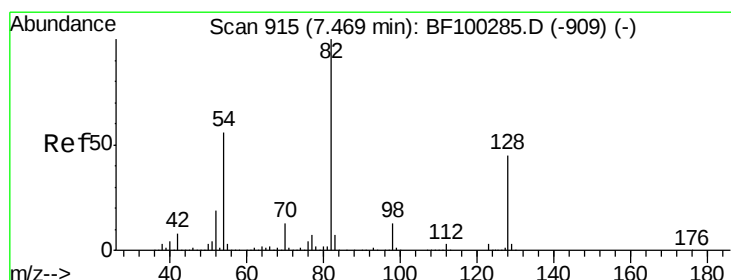
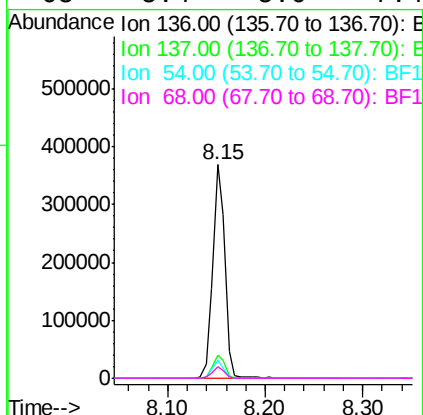
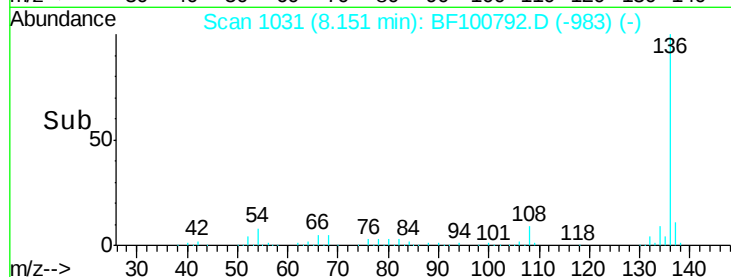
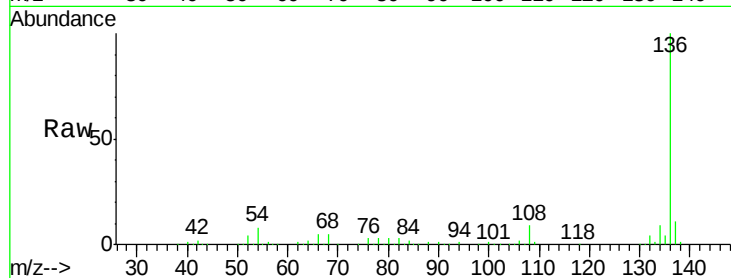




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

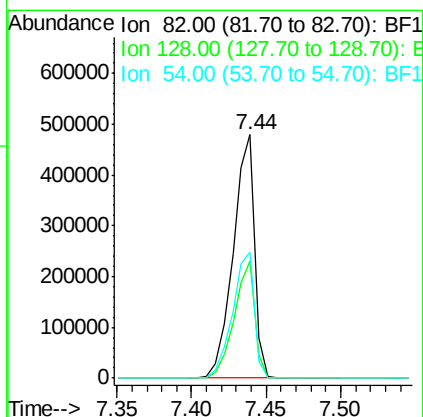
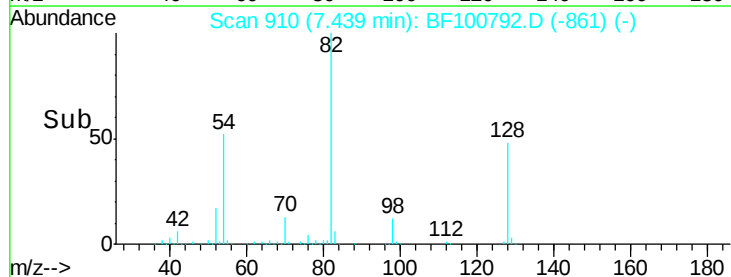
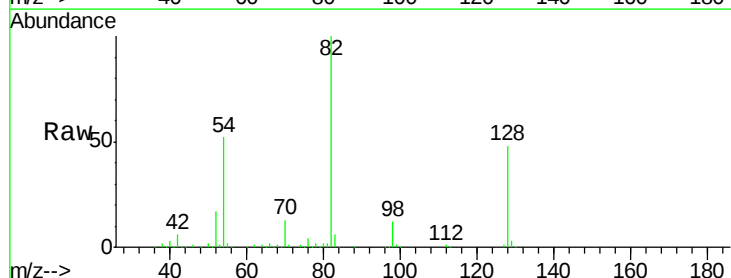
Instrument :
BNA_F
ClientSampled :

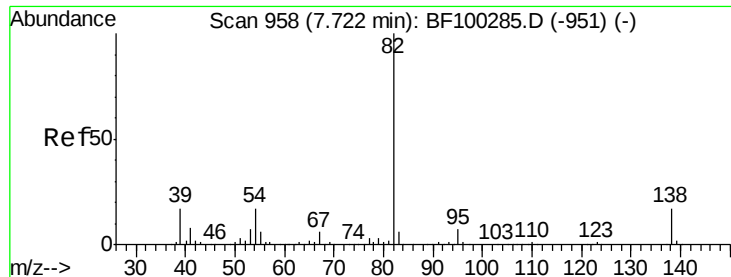
Tot Ion:136	Resp:	316740
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.9	13.3
54 8.2	6.6	9.8
68 5.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 100.39 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion: 82	Resp: 480978
Ion Ratio	Lower Upper
82 100	
128 48.0	36.1 54.1
54 51.6	41.4 62.2





#25

Isophorone

Concen: 47.77 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampleId :

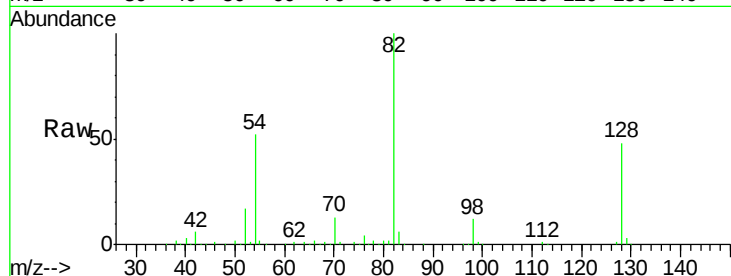
Tot Ion: 82 Resp: 480968

Ion Ratio Lower Upper

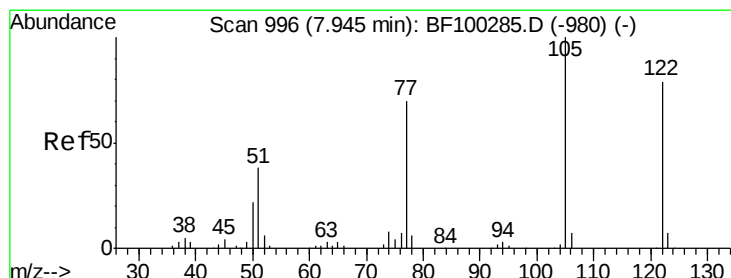
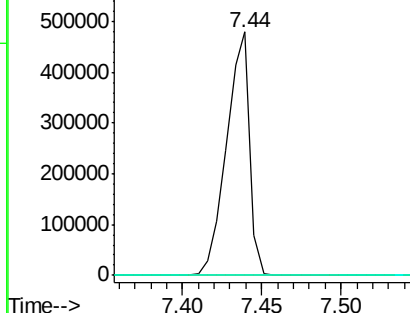
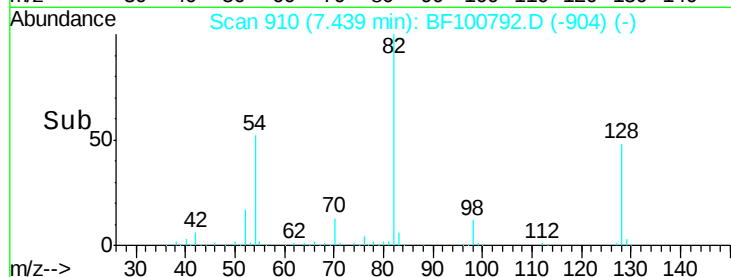
82 100

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



#32

Benzoic acid

Concen: 9.41 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

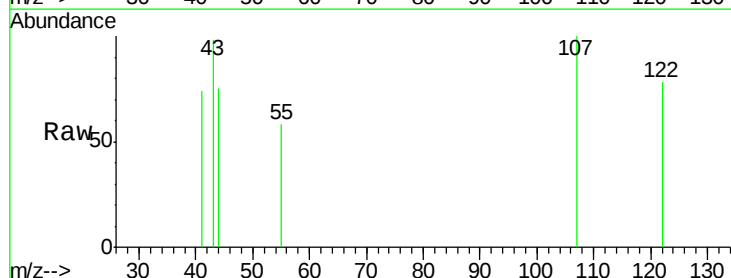
Tgt Ion: 122 Resp: 151

Ion Ratio Lower Upper

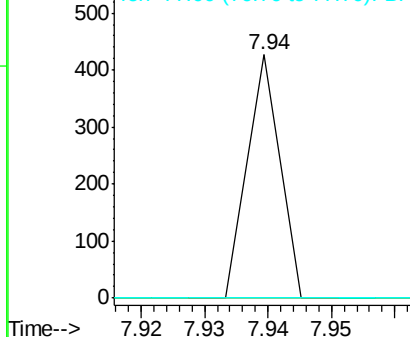
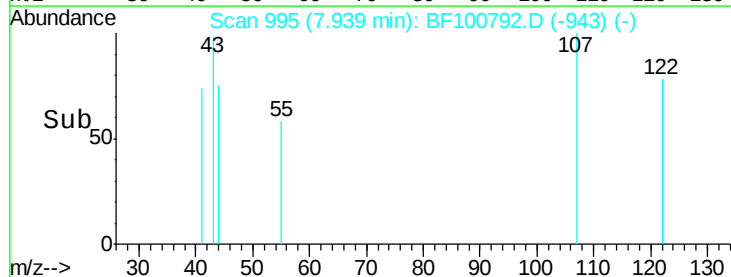
122 100

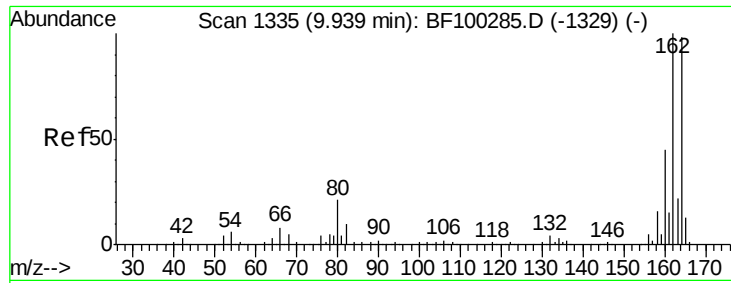
105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

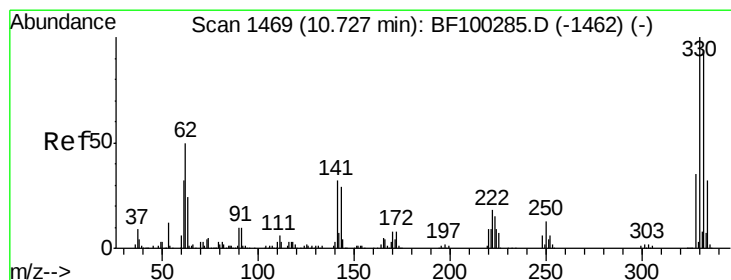
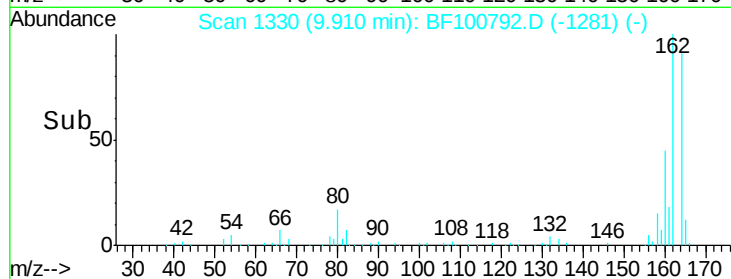
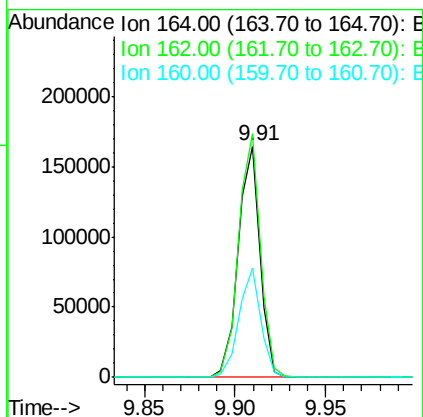
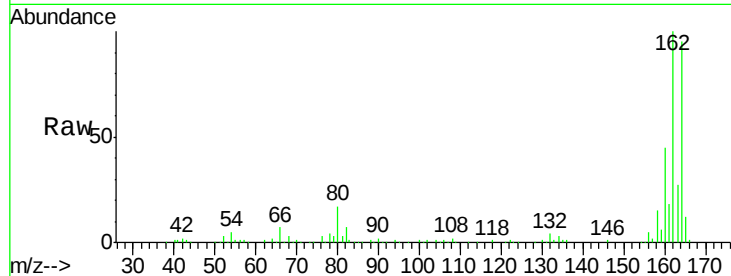




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

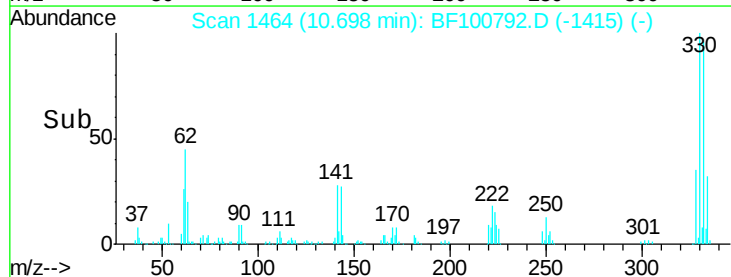
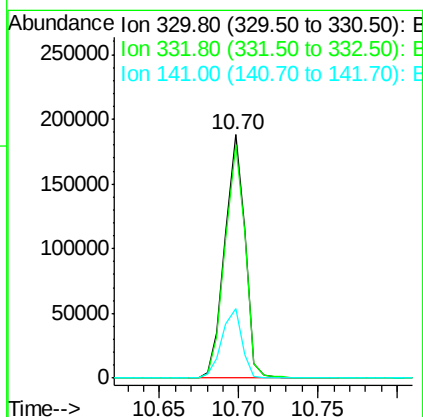
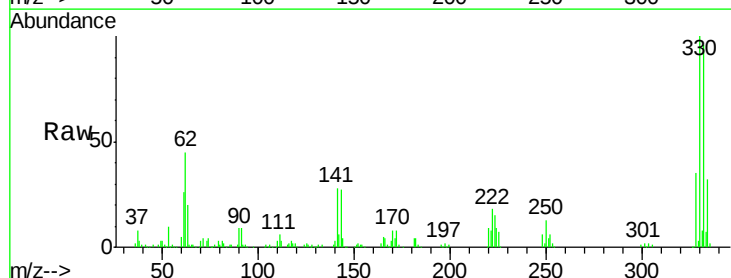
Instrument :
 BNA_F
 ClientSampleId :

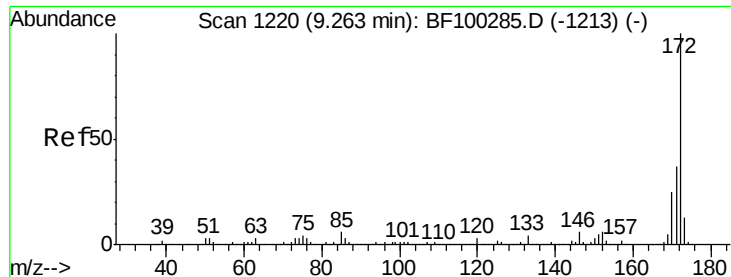
Tot Ion:164 Resp: 137490
 Ion Ratio Lower Upper
 164 100
 162 105.4 86.1 129.1
 160 47.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 119.04 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Tgt Ion:330 Resp: 166771
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 29.0 29.9 44.9#

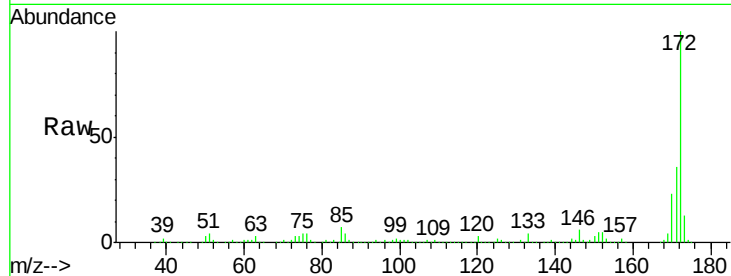




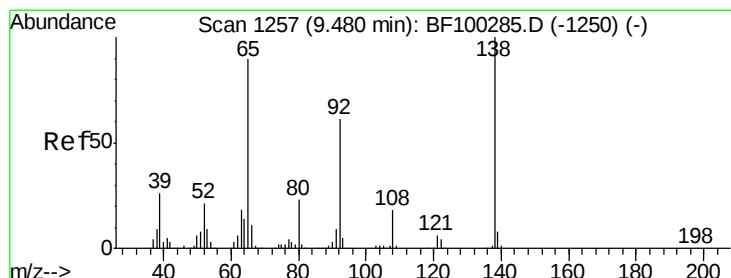
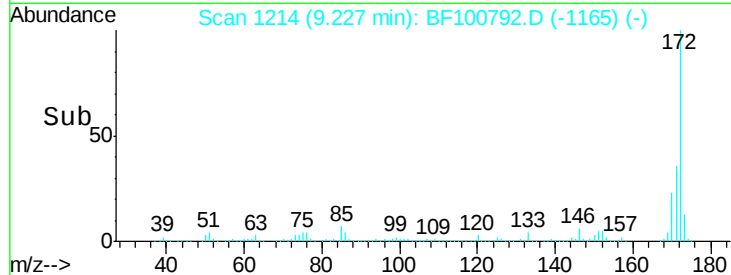
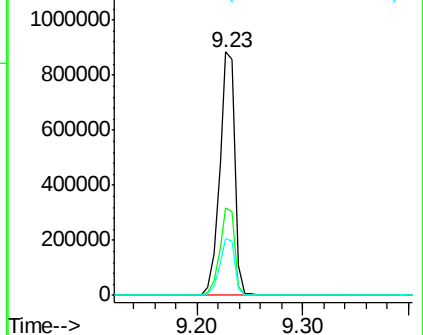
#44
2-Fluorobiphenyl
Concen: 99.03 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 894194
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.2 19.6 29.4

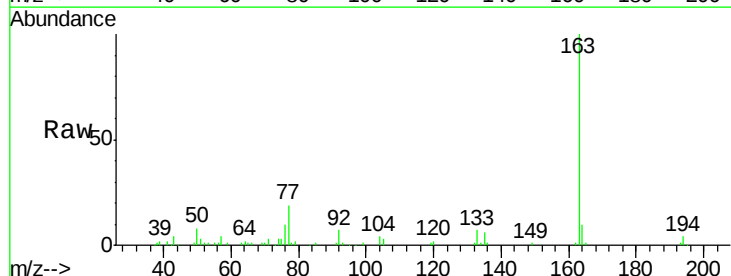


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

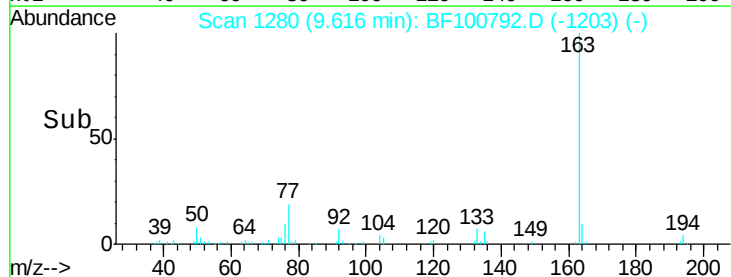
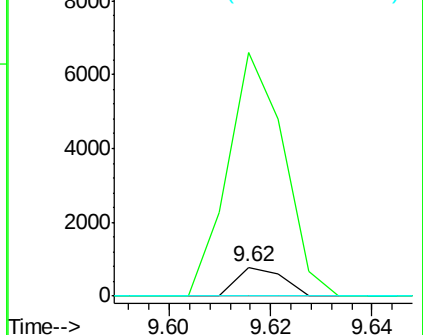


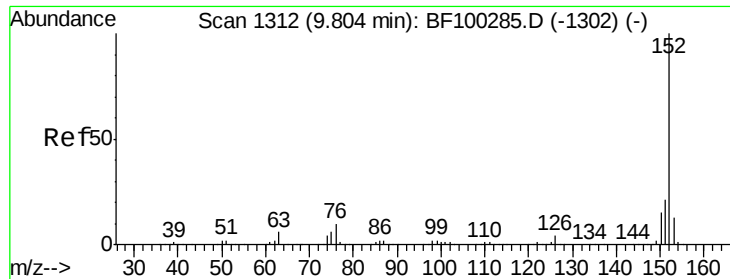
#47
2-Nitroaniline
Concen: 2.96 ng
RT: 9.62 min Scan# 1280
Delta R.T. 0.15 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion: 65 Resp: 485
Ion Ratio Lower Upper
65 100
92 838.1 55.8 83.6#
138 0.0 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): E





#48

Acenaphthylene

Concen: 5.76 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampled :

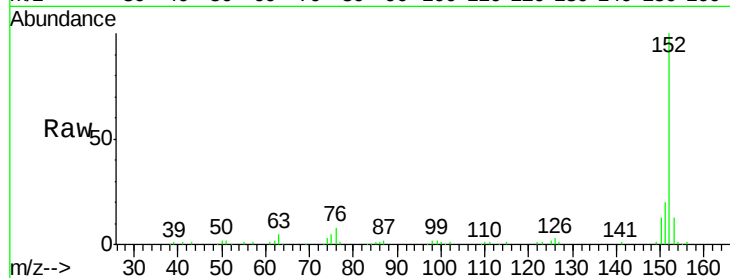
Tot Ion:152 Resp: 82351

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

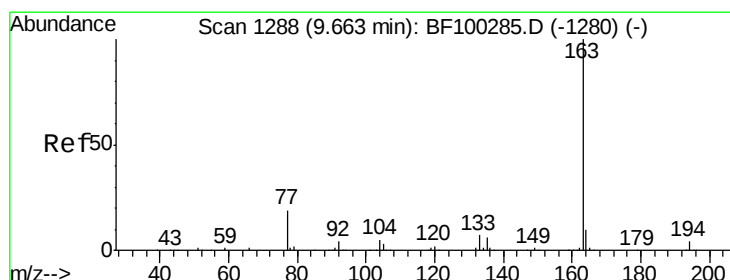
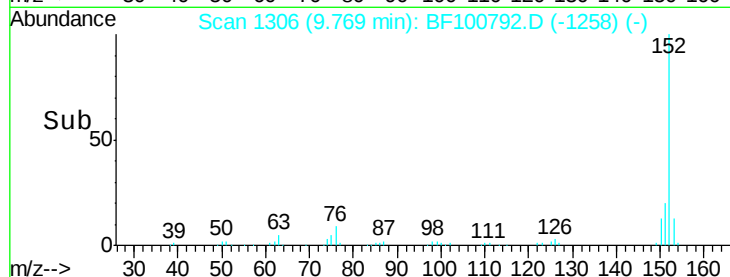
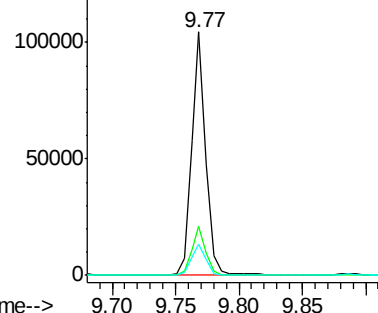
153 13.0 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.02 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

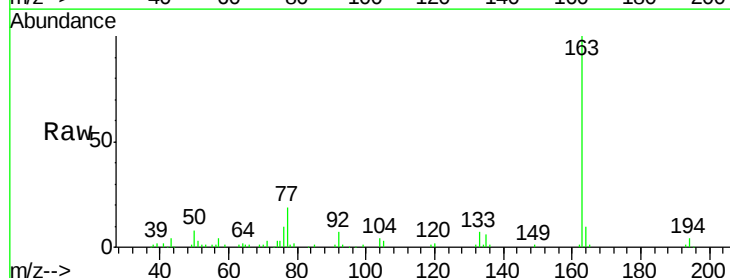
Tgt Ion:163 Resp: 73725

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

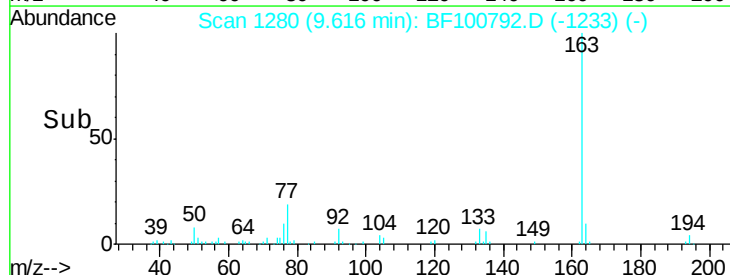
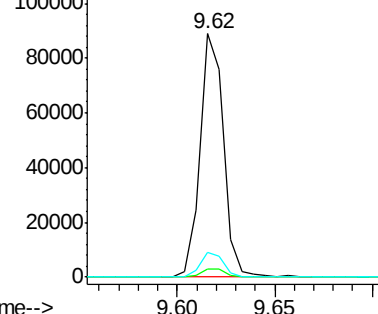
164 10.3 8.2 12.2

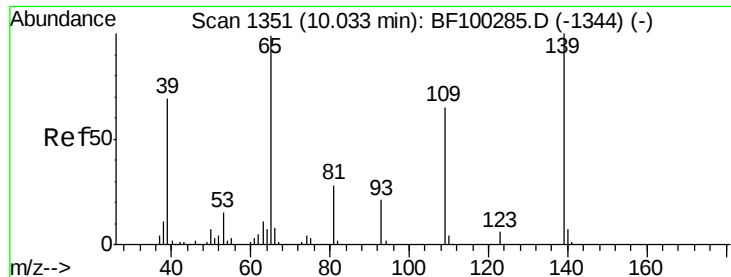


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 2.24 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.09 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampleId :

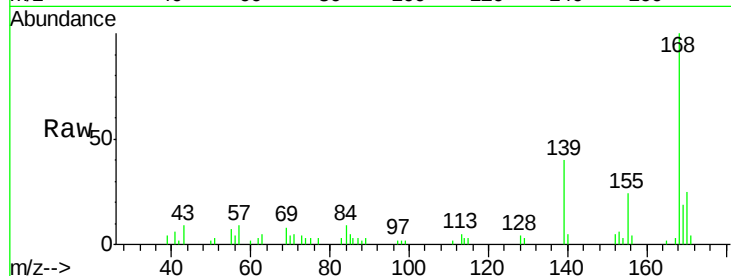
Tot Ion:139 Resp: 4468

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

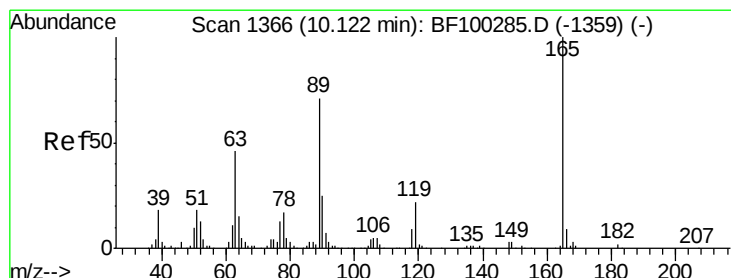
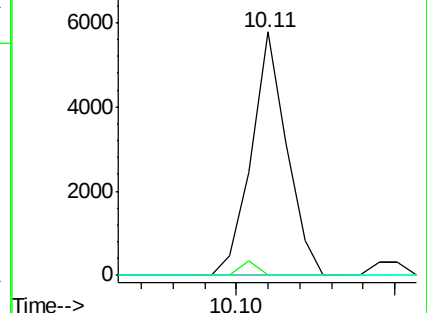
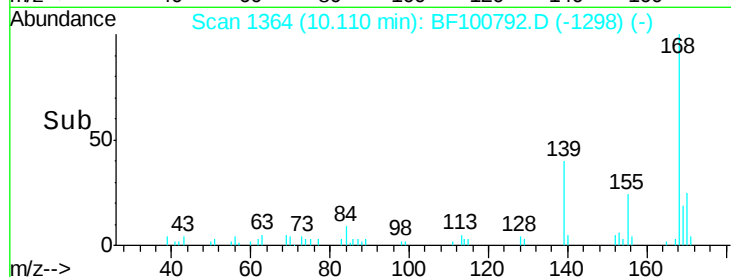
65 0.0 72.6 112.6#



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: 6.76 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Tgt Ion:165 Resp: 17729

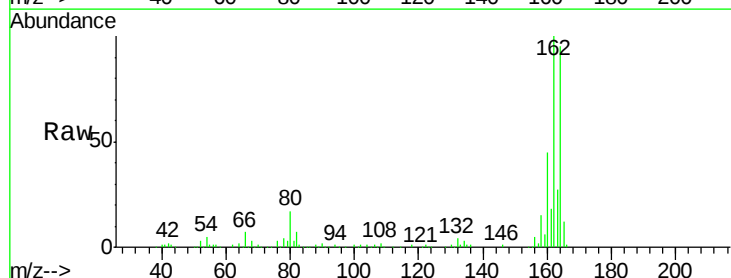
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 2.2 57.8 86.6#

182 0.0 1.6 2.4#

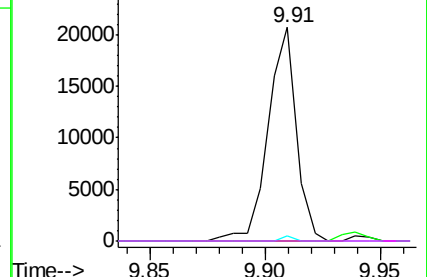
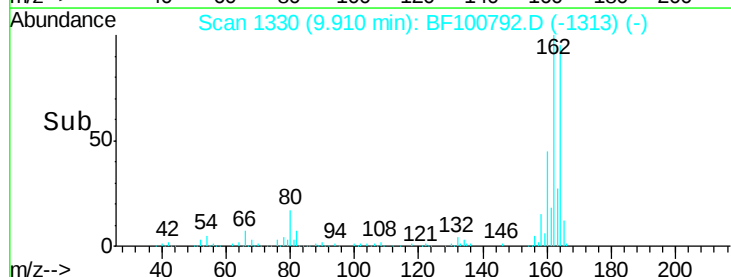


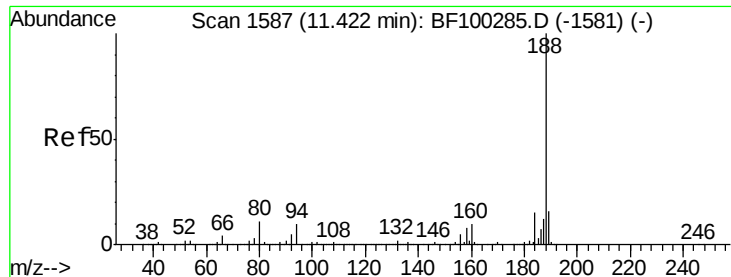
Abundance Ion 165.00 (164.70 to 165.70): E

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

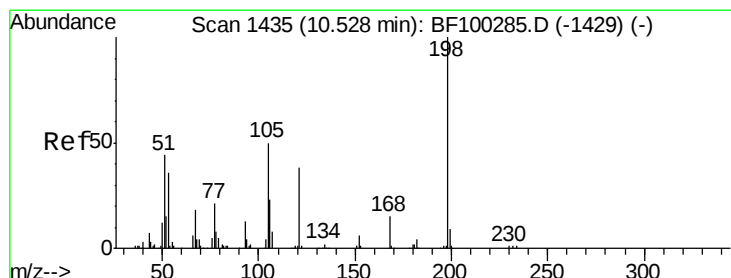
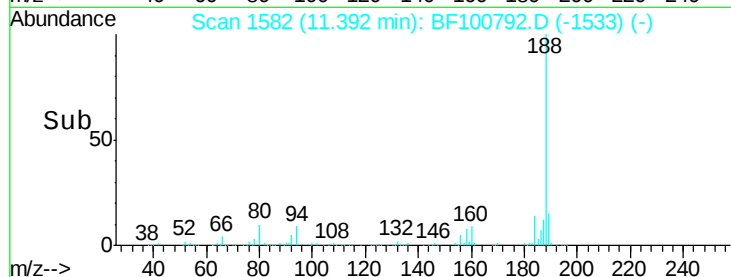
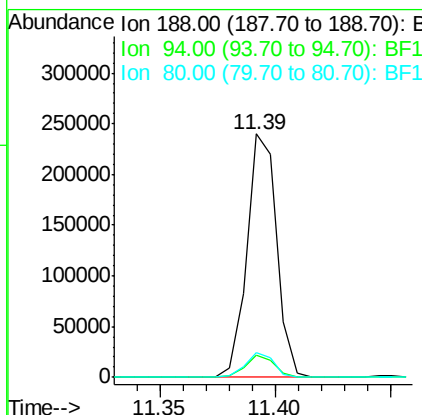
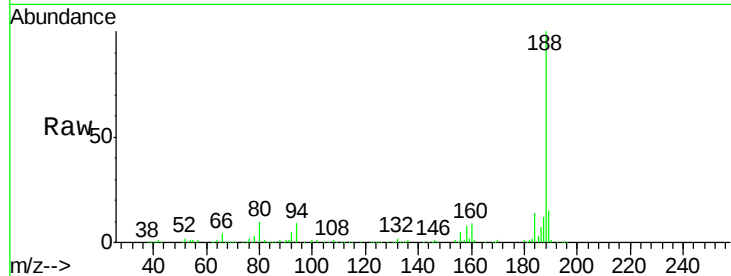




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

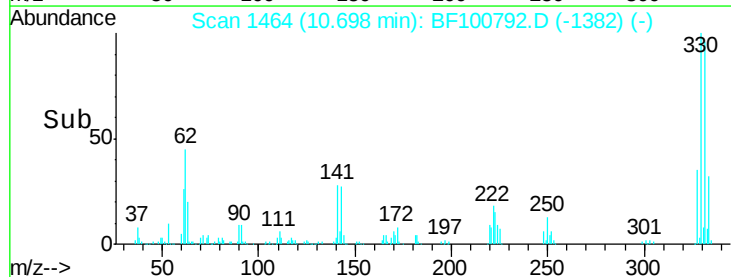
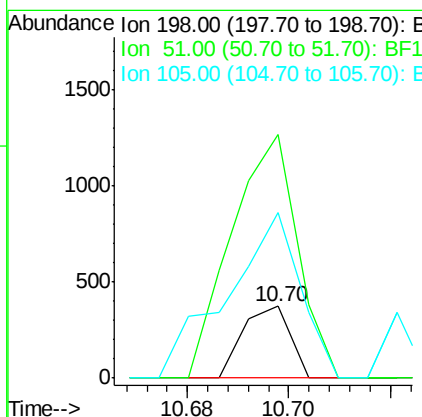
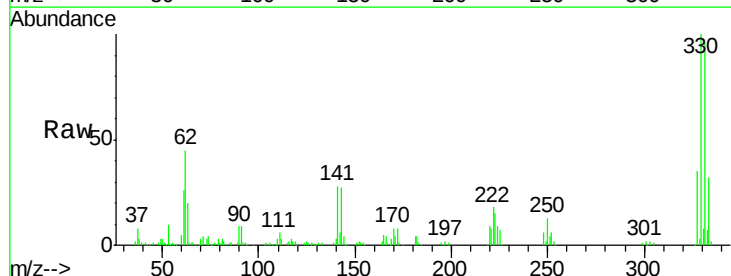
Instrument :
BNA_F
ClientSampleId :

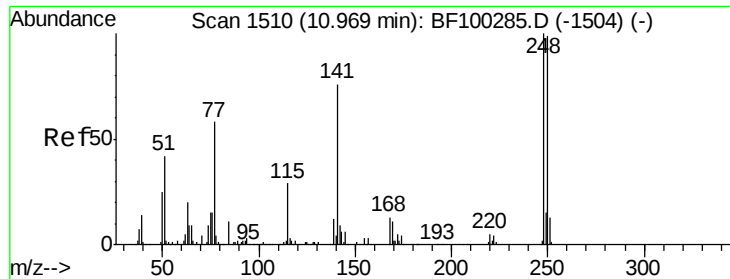
Tot Ion:188 Resp: 216209
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.75 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.18 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion:198 Resp: 241
Ion Ratio Lower Upper
198 100
51 337.9 37.7 77.7#
105 229.6 36.3 76.3#

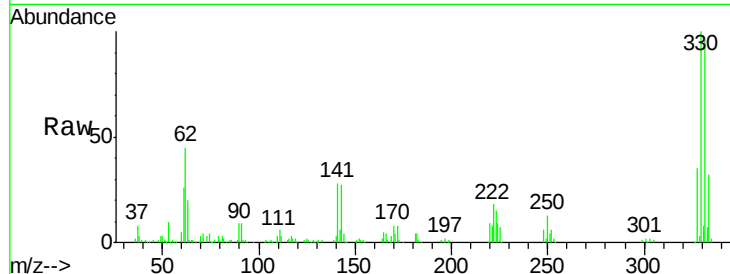




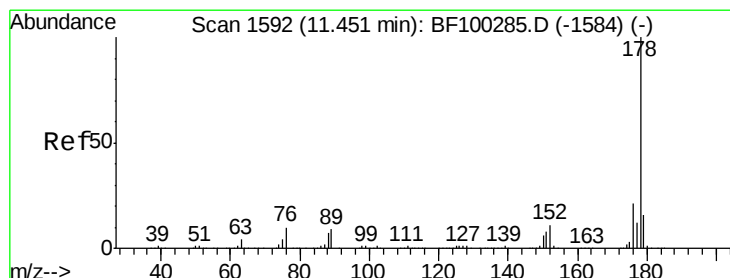
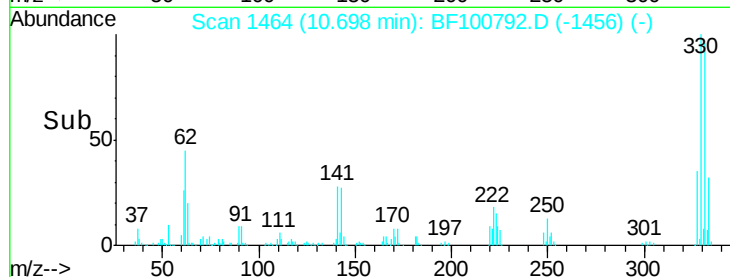
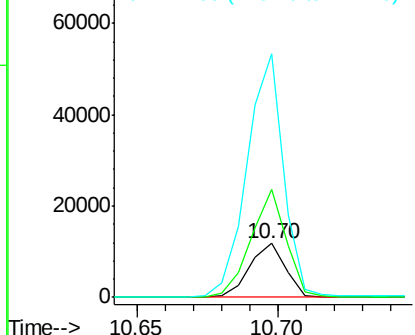
#66
 4-Bromophenyl-phenylether
 Concen: 4.52 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	199.0	76.9	115.3#
141	451.0	74.4	111.6#

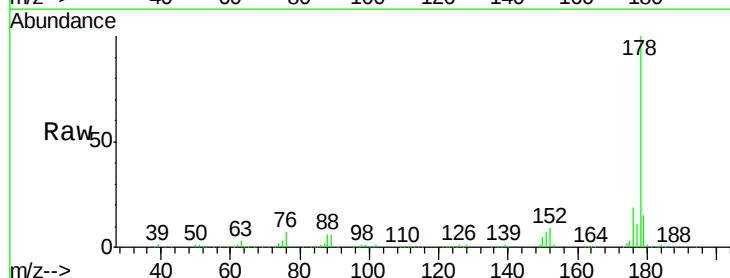


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

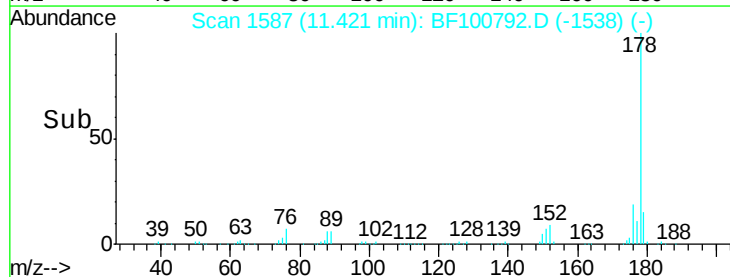
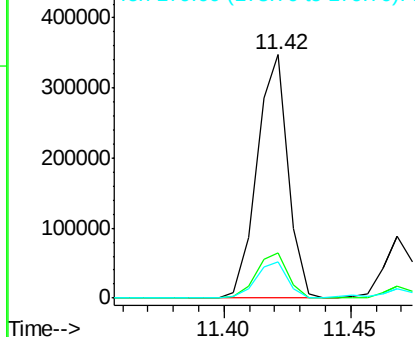


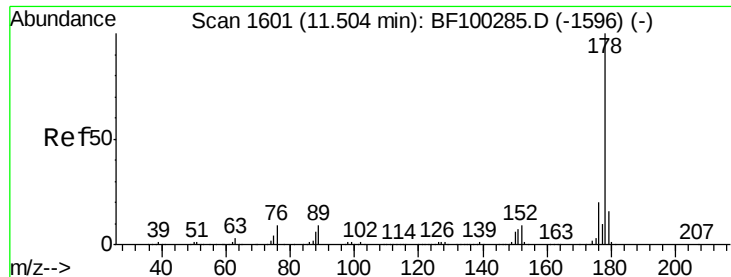
#70
 Phenanthrene
 Concen: 25.94 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	14.9	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

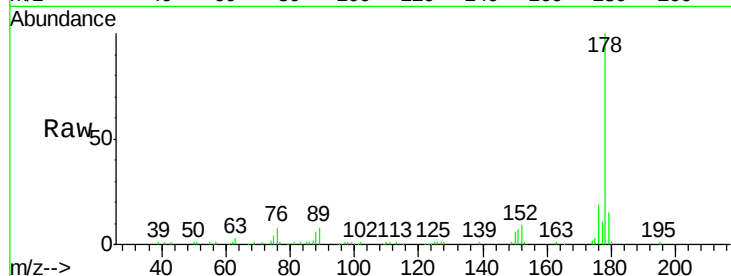




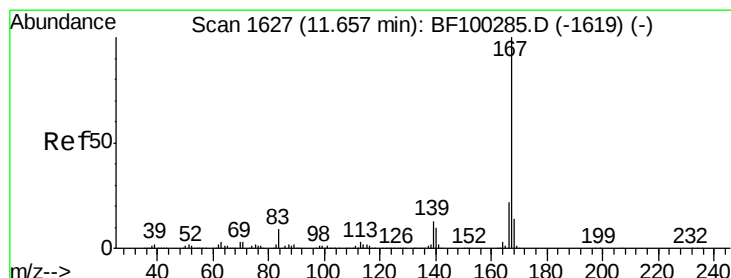
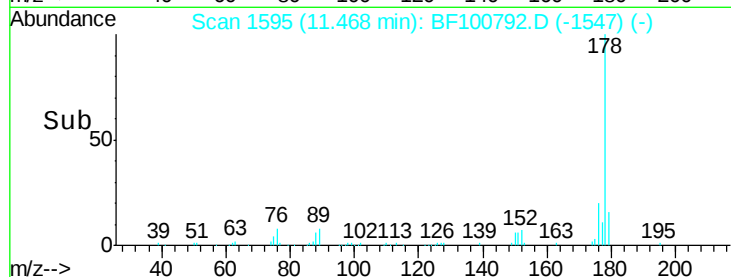
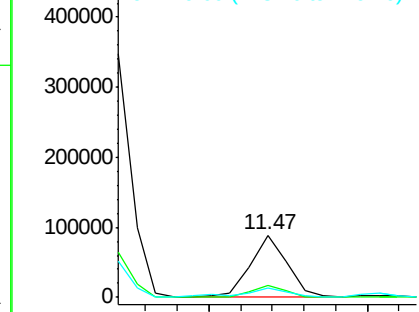
#71
 Anthracene
 Concen: 5.94 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.02 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 68550
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.5 12.6 19.0

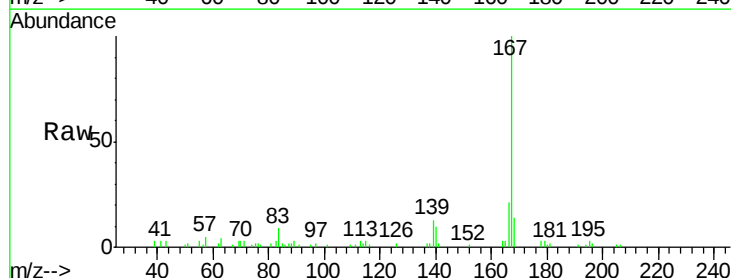


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

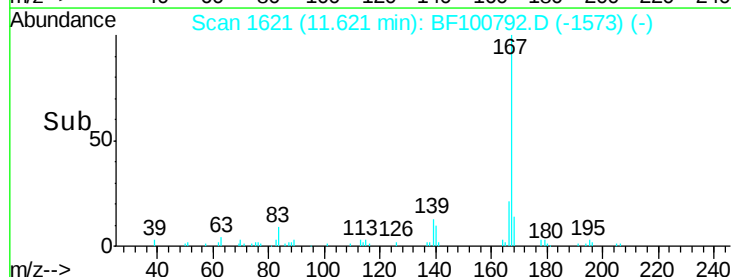
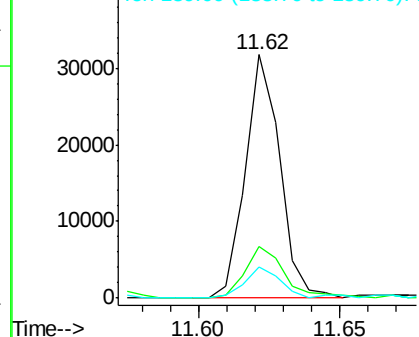


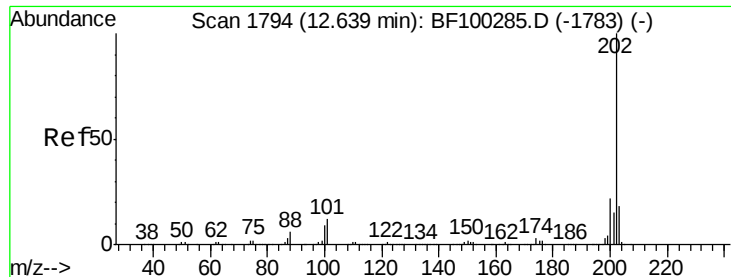
#72
 Carbazole
 Concen: 2.53 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. -0.02 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Tgt Ion:167 Resp: 26977
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 12.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 41.48 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampleId :

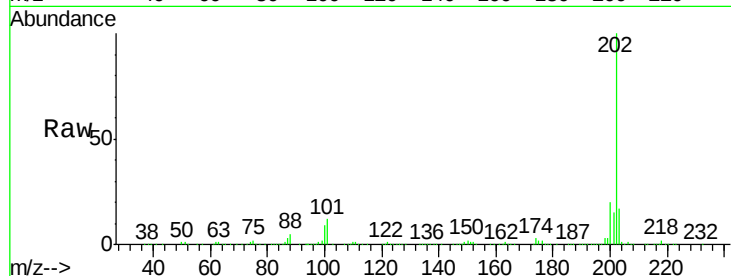
Tot Ion:202 Resp: 500470

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

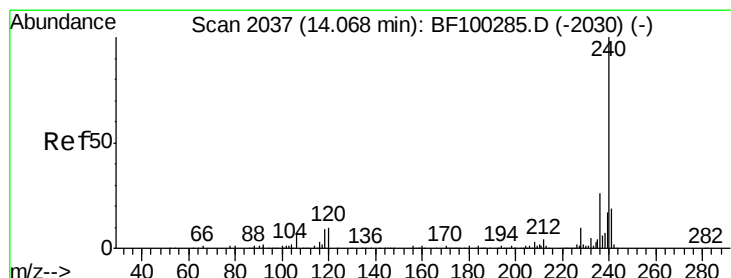
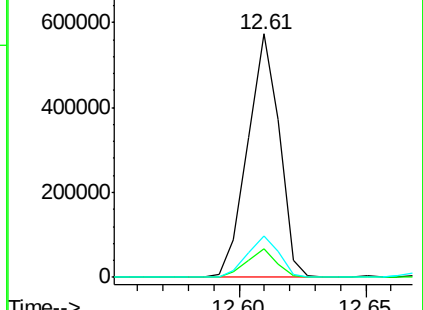
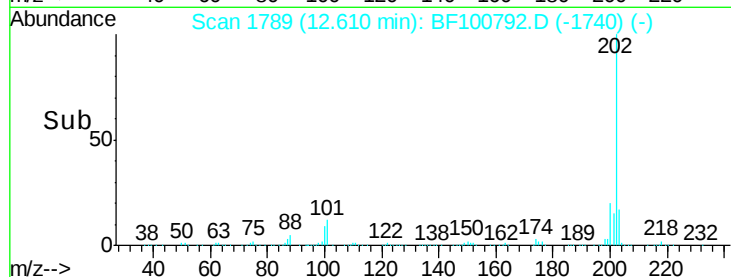
203 17.2 0.0 38.1



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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

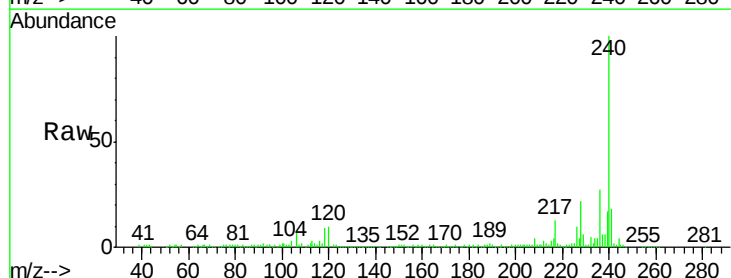
Tgt Ion:240 Resp: 169786

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

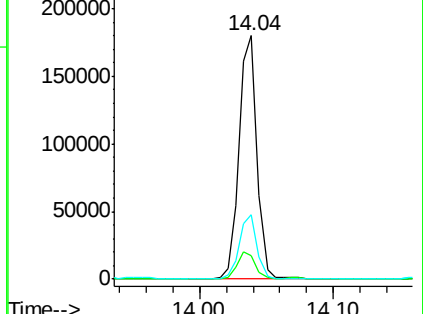
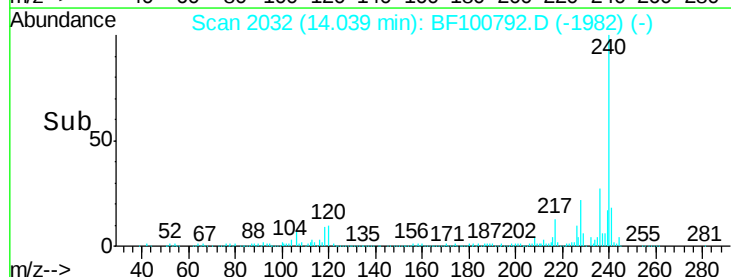
236 26.6 20.7 31.1

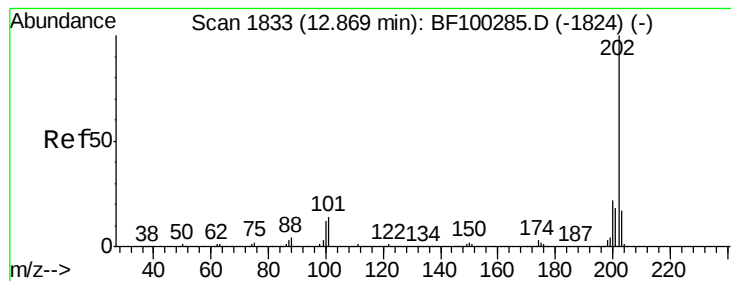


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 38.10 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampleId :

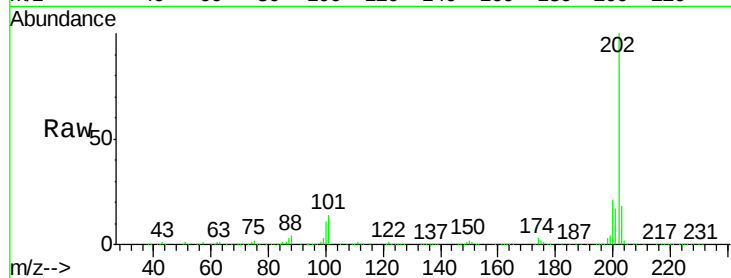
Tot Ion:202 Resp: 461097

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

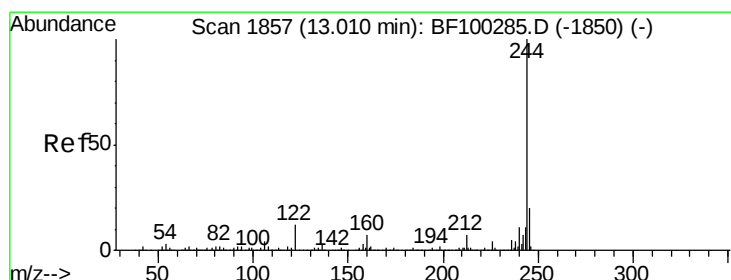
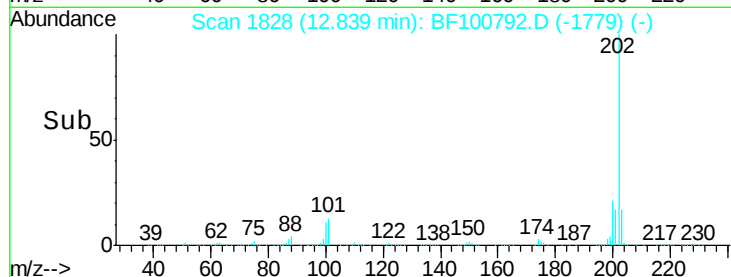
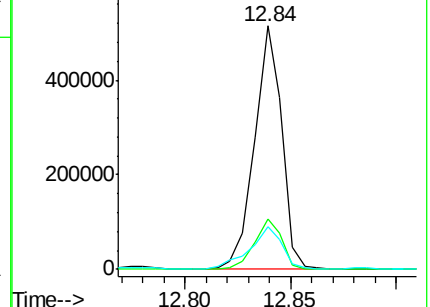
203 17.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 79.13 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

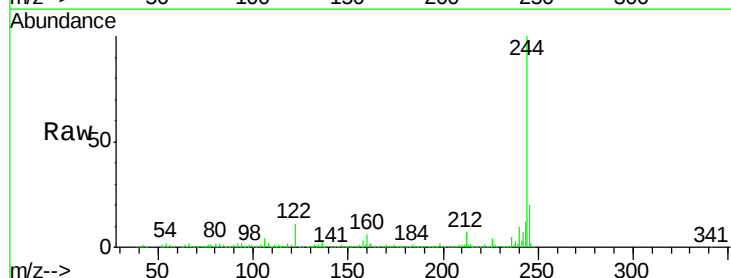
Tgt Ion:244 Resp: 584756

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

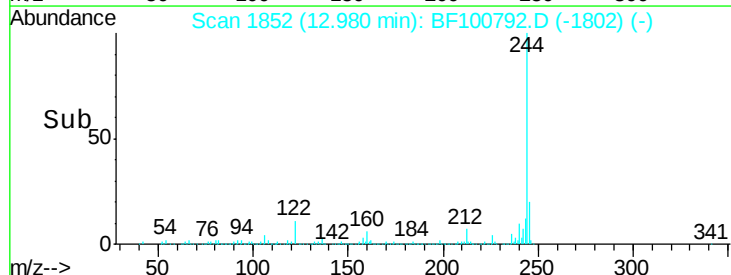
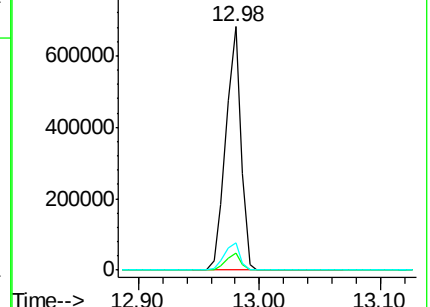
122 11.1 11.0 16.4

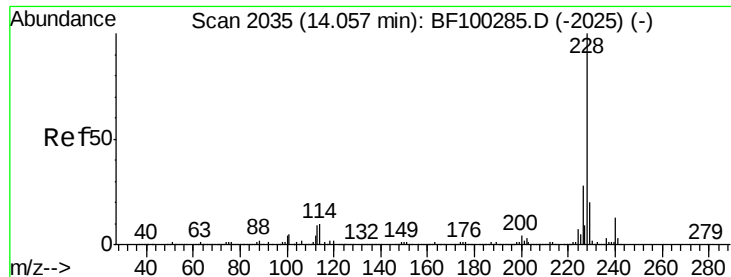


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 27.93 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.03 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampleId :

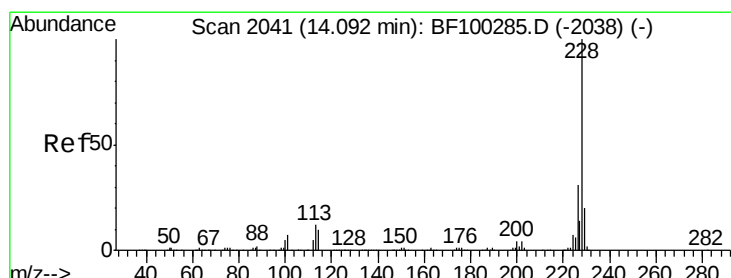
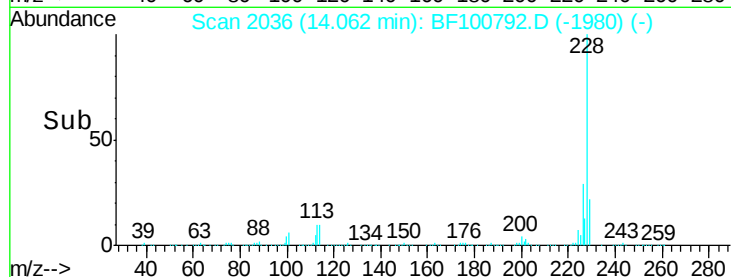
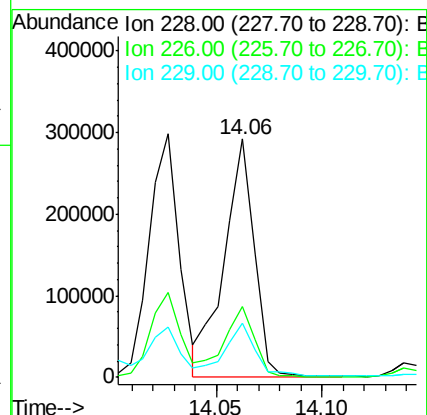
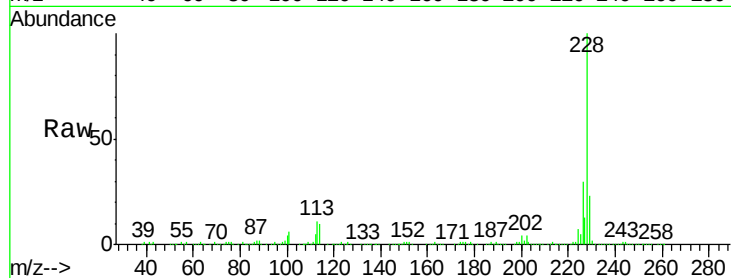
Tot Ion:228 Resp: 285574

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

229 22.5 15.8 23.6



#82

Chrysene

Concen: 28.84 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

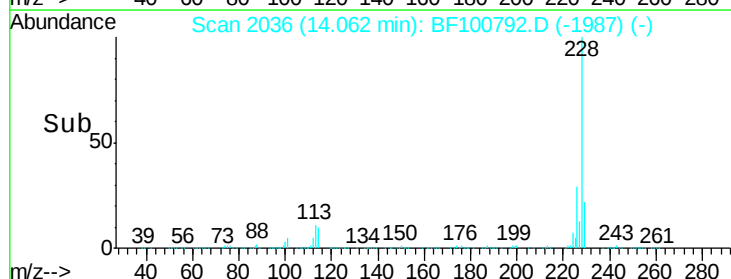
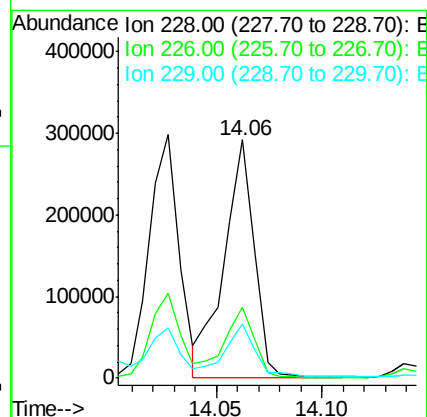
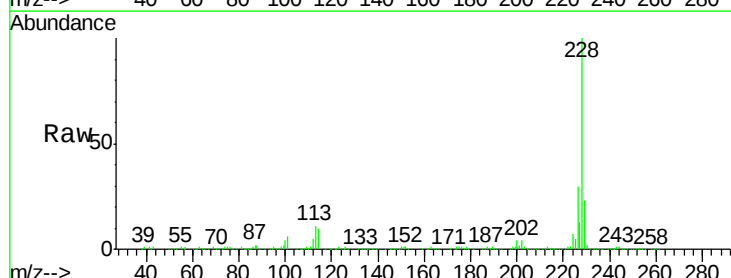
Tgt Ion:228 Resp: 285574

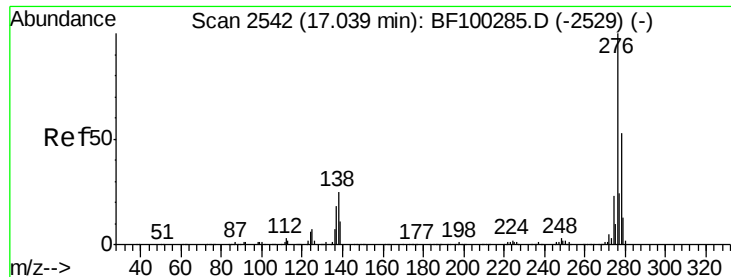
Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

229 22.5 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.43 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampleId :

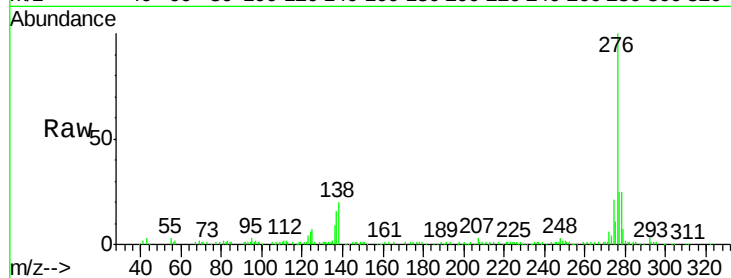
Tot Ion:276 Resp: 155587

Ion Ratio Lower Upper

276 100

138 21.4 25.0 37.6#

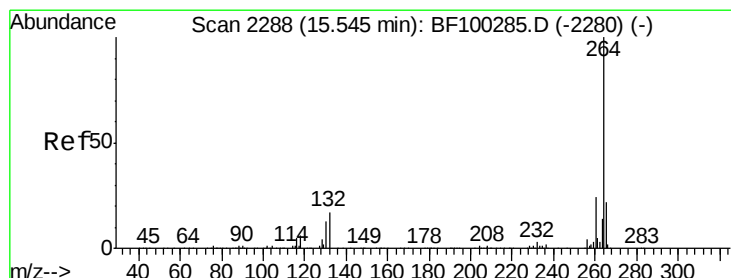
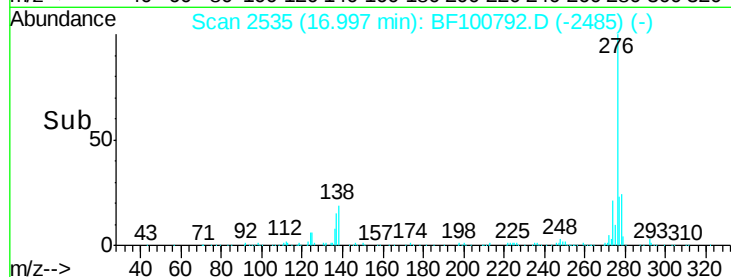
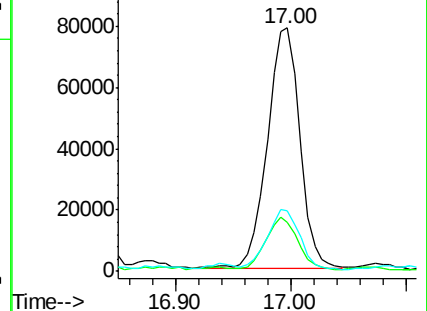
277 24.9 20.1 30.1



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

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

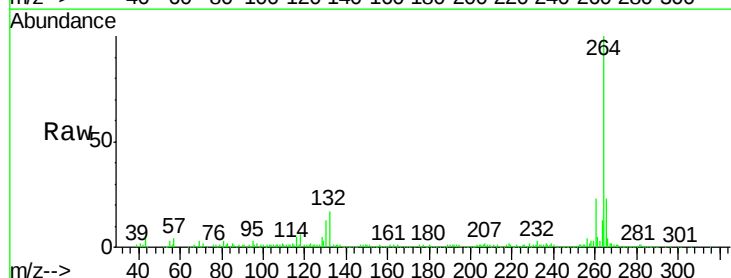
Tgt Ion:264 Resp: 180585

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

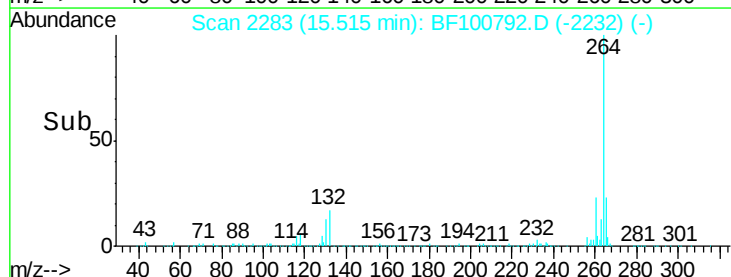
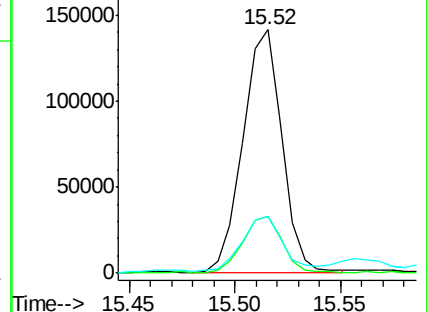
265 23.4 17.5 26.3

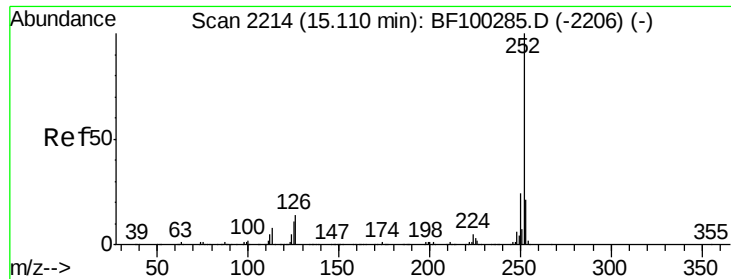


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

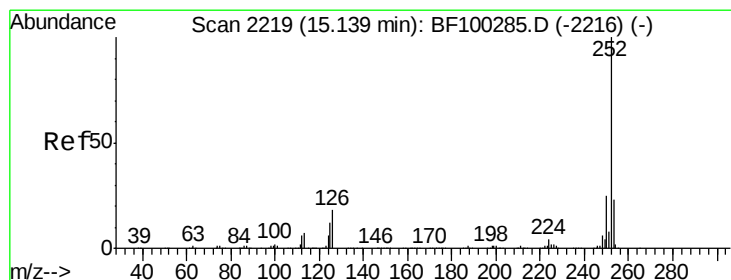
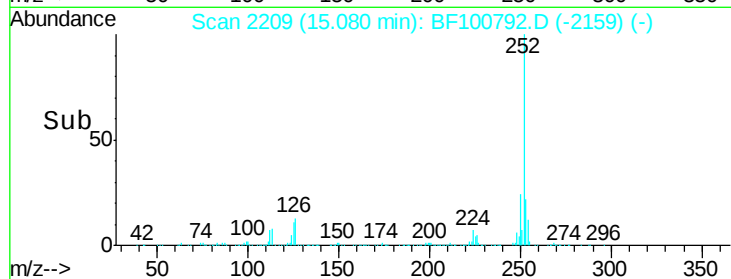
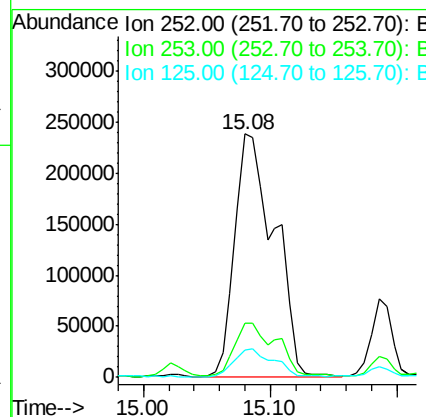
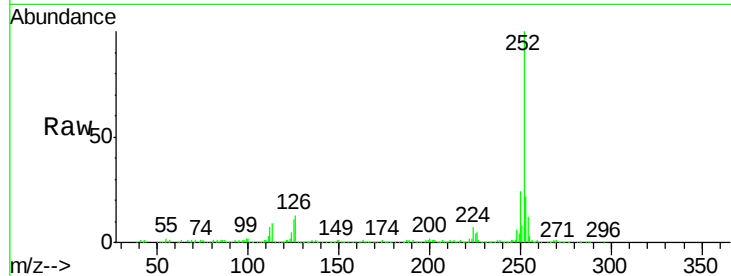




#87
Benzo(b)fluoranthene
Concen: 48.07 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

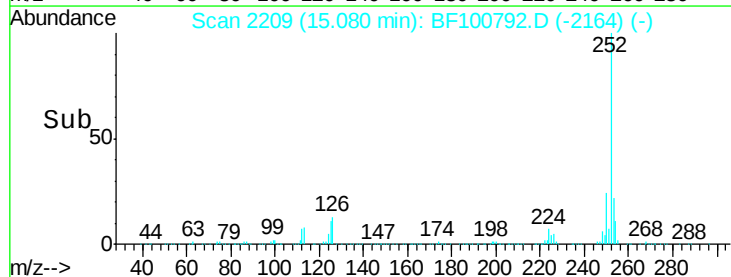
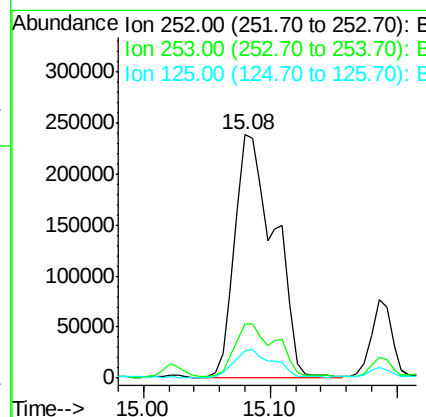
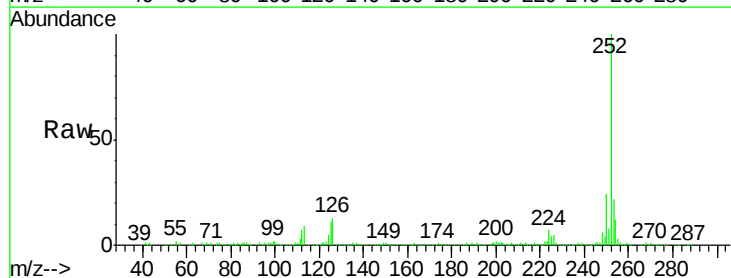
Instrument :
BNA_F
ClientSampleId :

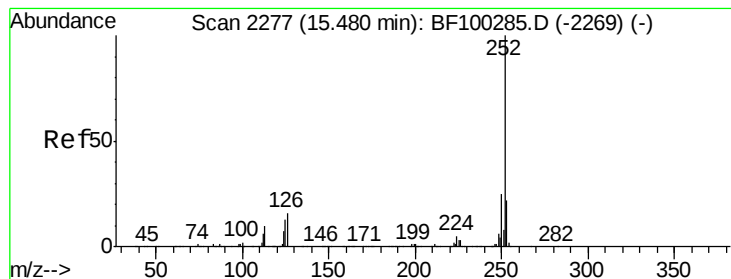
Tot Ion:252 Resp: 514260
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 11.3 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 50.87 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF100792.D
Acq: 21 Nov 2017 20:34

Tgt Ion:252 Resp: 514260
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 11.3 10.2 15.2





#89

Benzo(a)pyrene

Concen: 27.40 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

Instrument :

BNA_F

ClientSampled :

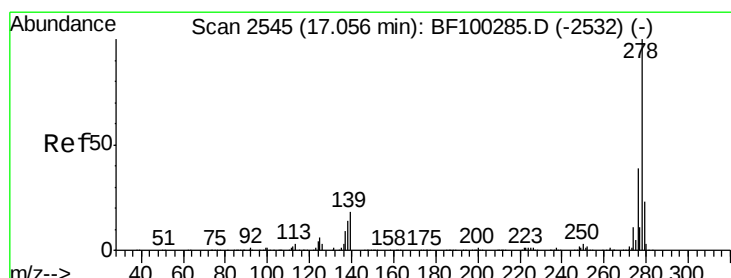
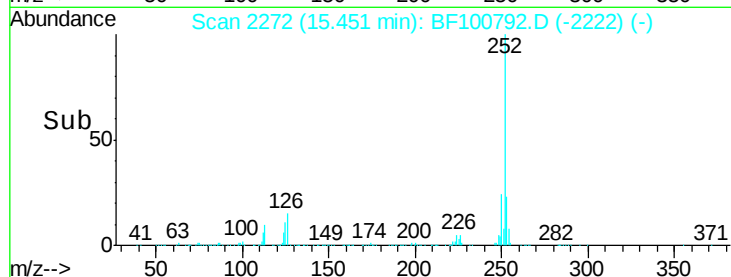
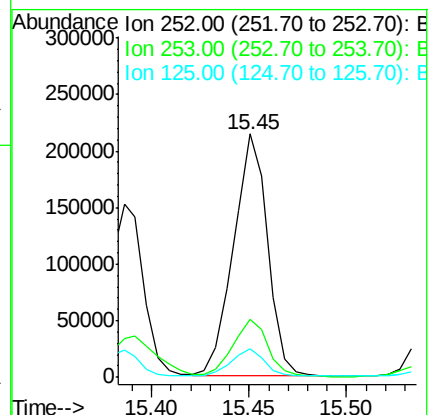
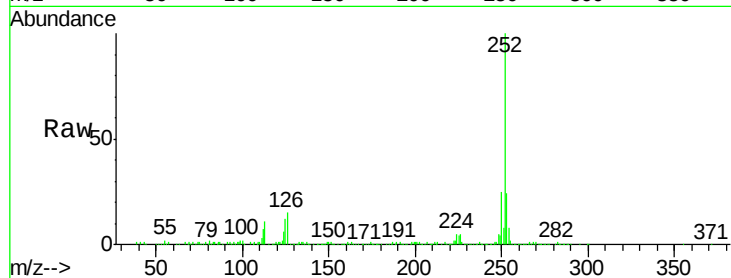
Tot Ion:252 Resp: 259840

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 11.8 9.8 14.6



#90

Dibenzo(a,h)anthracene

Concen: 5.20 ng

RT: 17.00 min Scan# 2536

Delta R.T. -0.02 min

Lab File: BF100792.D

Acq: 21 Nov 2017 20:34

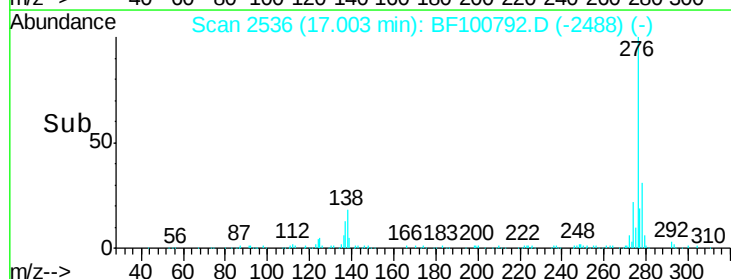
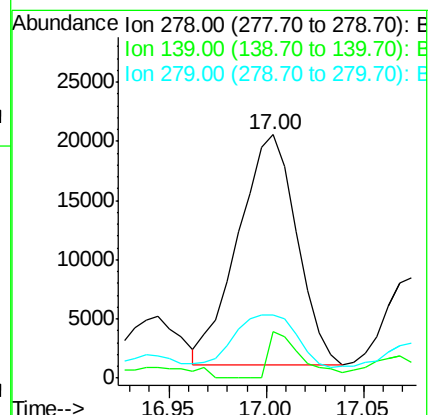
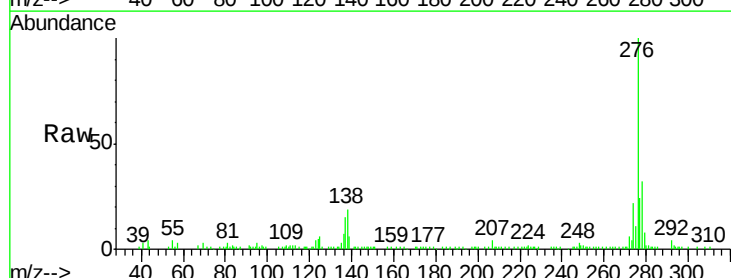
Tgt Ion:278 Resp: 40343

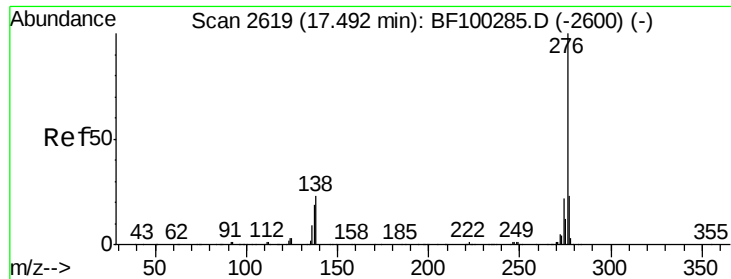
Ion Ratio Lower Upper

278 100

139 19.1 15.9 23.9

279 26.1 19.0 28.4





#91
 Benzo(a,h,i)perylene
 Concen: 21.33 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. -0.01 min
 Lab File: BF100792.D
 Acq: 21 Nov 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.9	17.9	26.9	
138	22.4	21.8	32.8	

