

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100794.D
 Acq On : 21 Nov 2017 21:27
 Operator : SJ/JU
 Sample : I6499-06 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 04:19:17 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

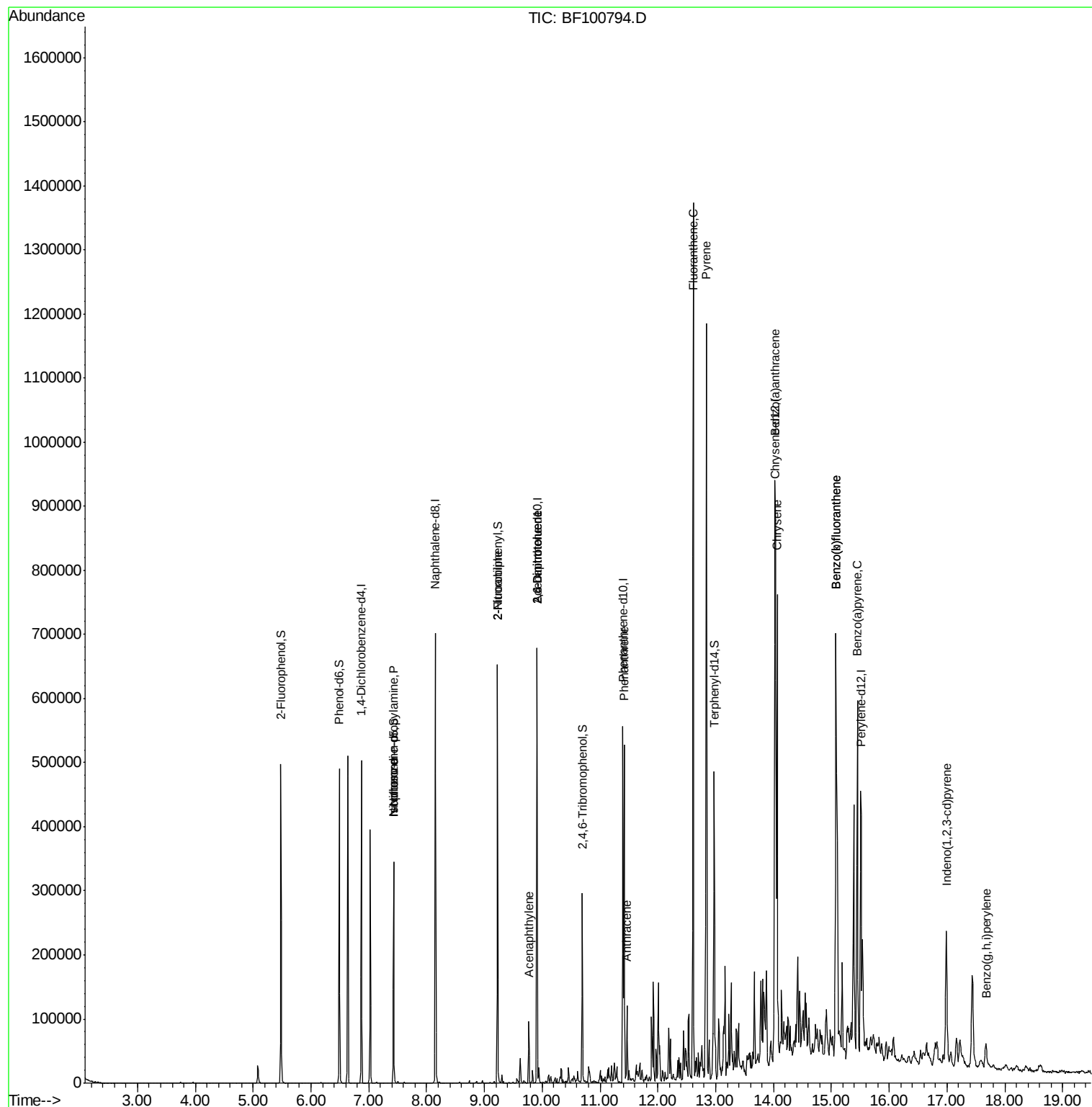
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	78349	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	299403	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	129781	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	204706	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	164284	20.00	ng	0.00
86) Perylene-d12	15.51	264	182494	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	127746	26.14	ng	-0.01
7) Phenol-d6	6.49	99	159657	26.49	ng	-0.02
23) Nitrobenzene-d5	7.43	82	94350	20.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	33706	25.49	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	213141	25.01	ng	-0.01
78) Terphenyl-d14	12.97	244	142889	19.98	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	12423	2.97	ng	# 77
25) Isophorone	7.43	82	94348	9.91	ng	# 64
47) 2-Nitroaniline	9.22	65	308	2.90	ng	# 1
48) Acenaphthylene	9.77	152	38669	2.87	ng	98
50) 2,6-Dinitrotoluene	9.91	165	16679	8.50	ng	# 25
56) 2,4-Dinitrotoluene	9.91	165	16679	6.74	ng	# 23
70) Phenanthrene	11.42	178	209055	19.40	ng	99
71) Anthracene	11.47	178	44735	4.09	ng	98
74) Fluoranthene	12.61	202	530144	46.41	ng	97
77) Pyrene	12.84	202	501562	42.83	ng	100
80) Benzo(a)anthracene	14.03	228	293325	29.65	ng	97
82) Chrysene	14.06	228	279147	29.14	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	139361	17.98	ng	# 90
87) Benzo(b)fluoranthene	15.08	252	508380	47.02	ng	99
88) Benzo(k)fluoranthene	15.08	252	508380	49.77	ng	98
89) Benzo(a)pyrene	15.45	252	270206	28.19	ng	97
91) Benzo(a,h,i)perylene	17.67	276	27988	3.65	ng	94

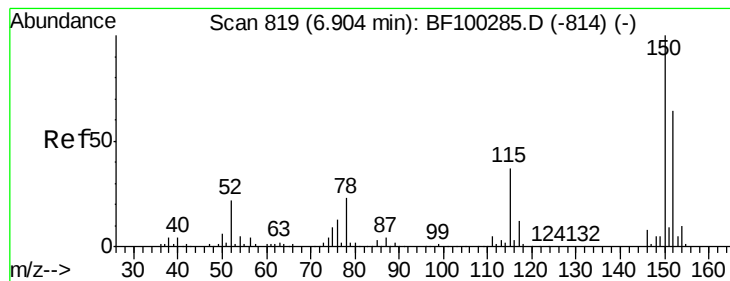
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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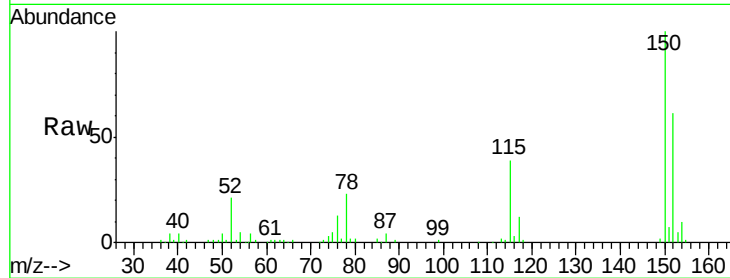


#1

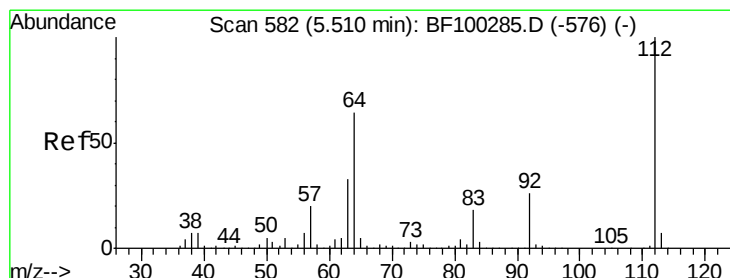
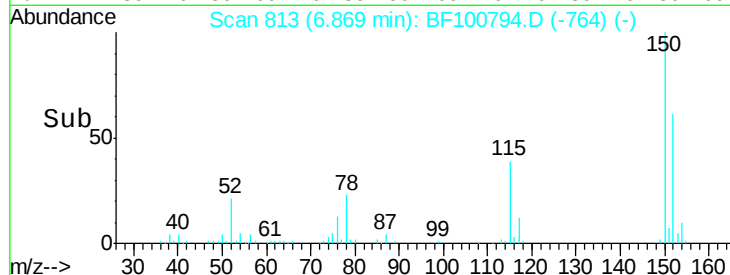
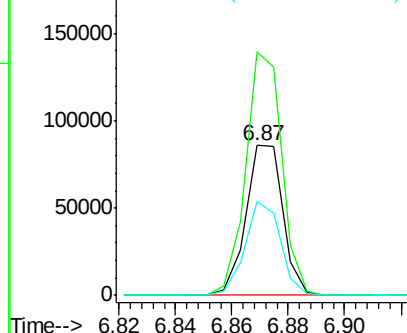
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78349
Ion Ratio Lower Upper
152 100
150 162.6 124.6 186.8
115 62.9 50.1 75.1



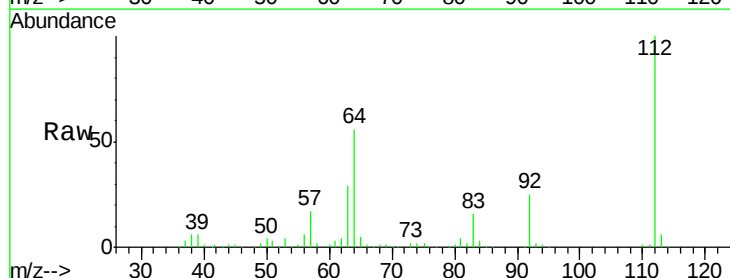
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



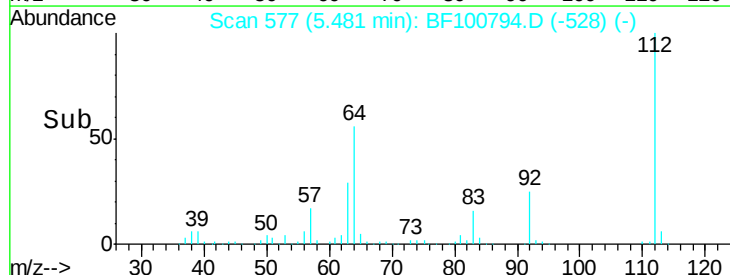
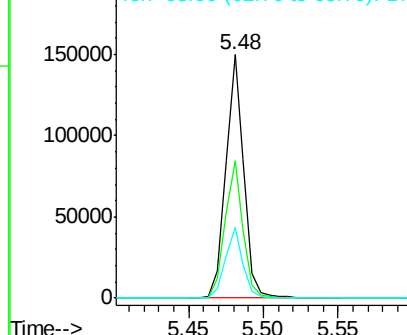
#5

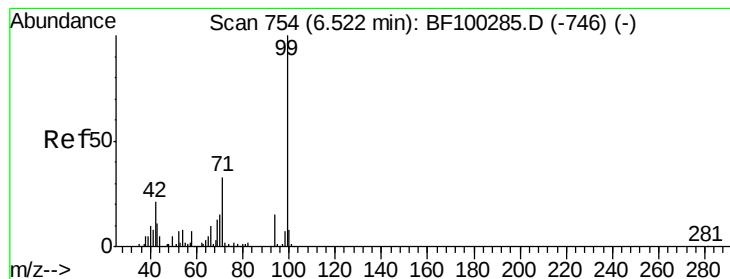
2-Fluorophenol
Concen: 26.14 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion:112 Resp: 127746
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 29.1 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: 26.49 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Instrument :

BNA_F

ClientSampled :

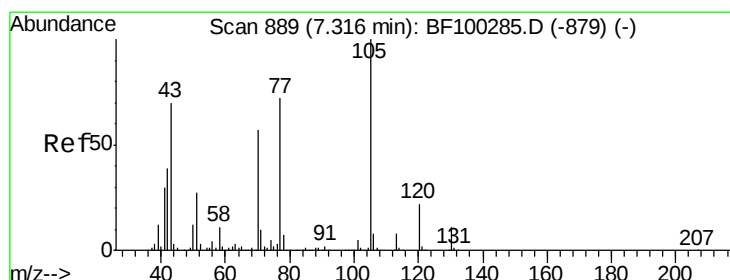
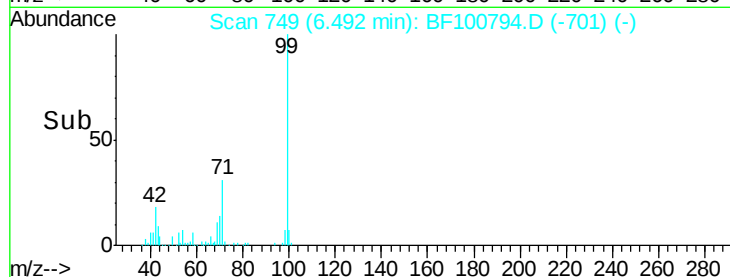
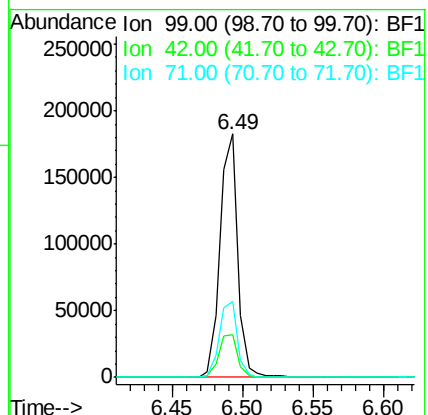
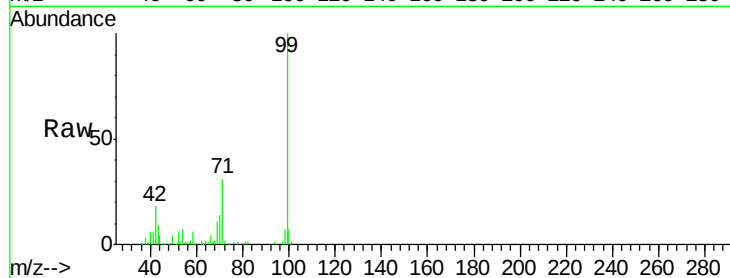
Tot Ion: 99 Resp: 159657

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

71 31.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.97 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.13 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Tgt Ion: 70 Resp: 12423

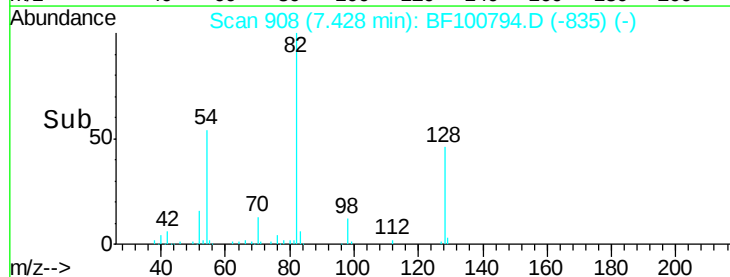
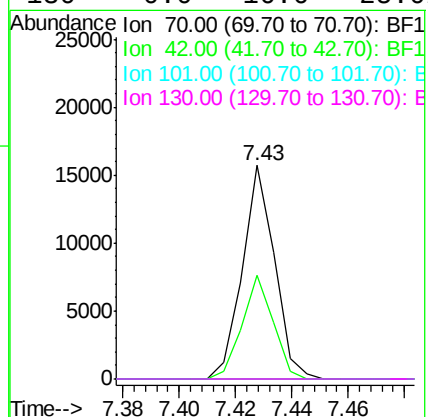
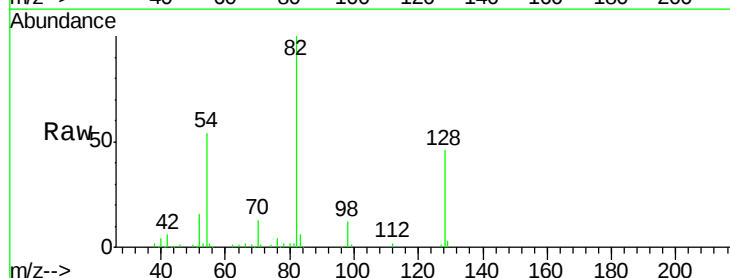
Ion Ratio Lower Upper

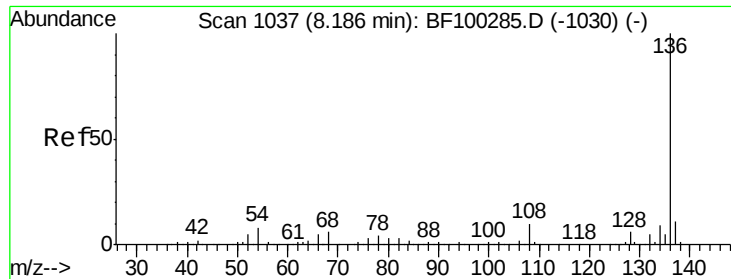
70 100

42 48.4 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 299403

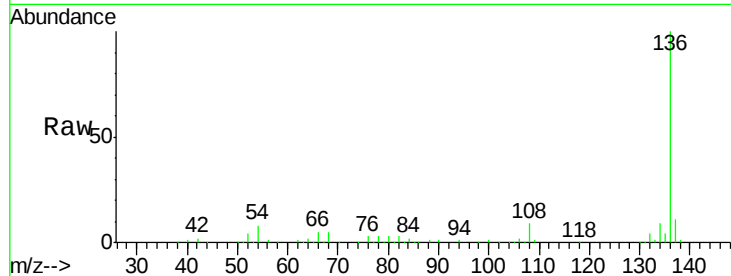
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.1 6.6 9.8

68 5.4 5.0 7.4

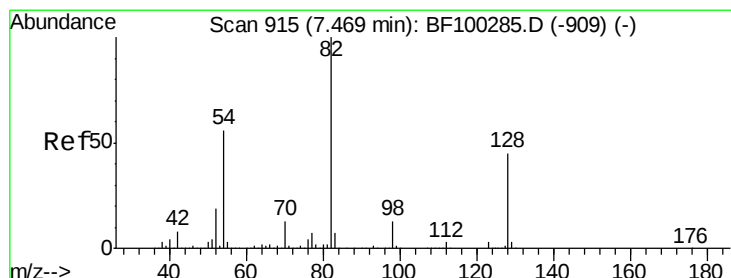
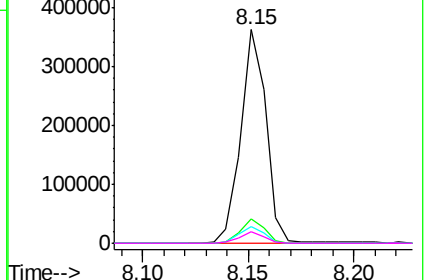
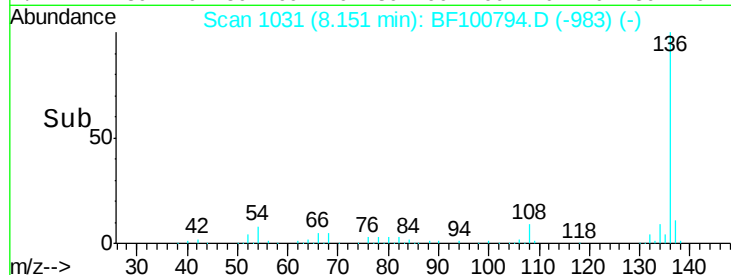


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.83 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

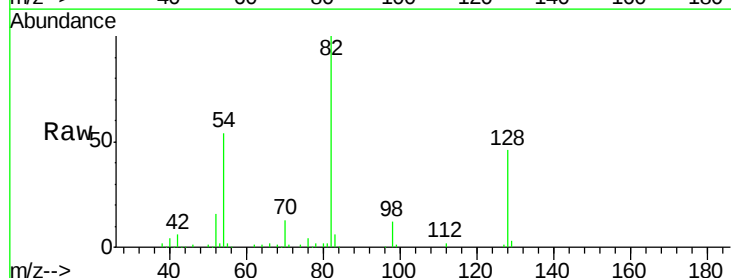
Tgt Ion: 82 Resp: 94350

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

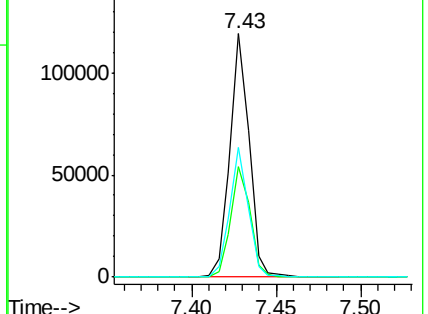
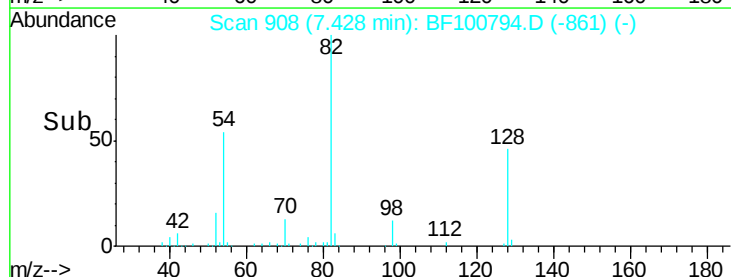
54 53.5 41.4 62.2

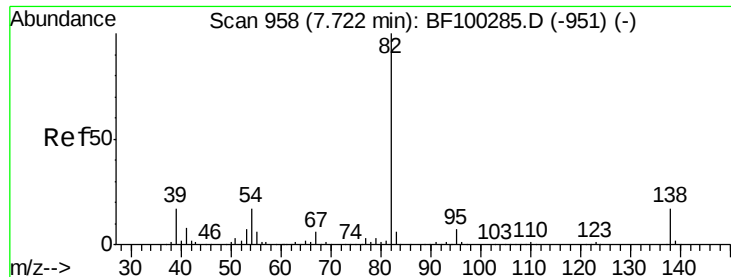


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.91 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.28 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Instrument :

BNA_F

ClientSampleId :

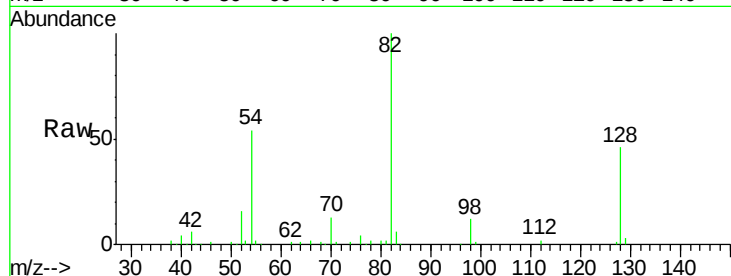
Tot Ion: 82 Resp: 94348

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

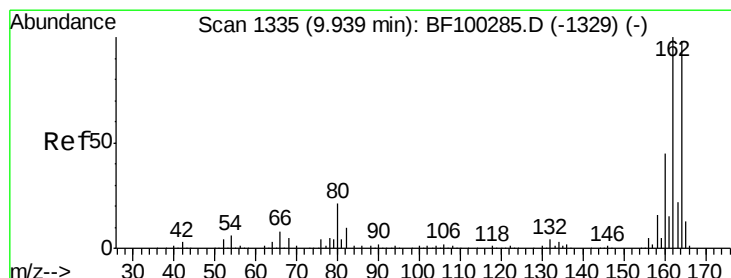
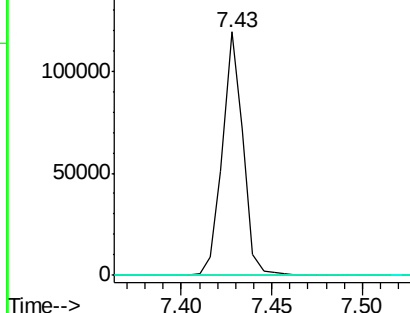
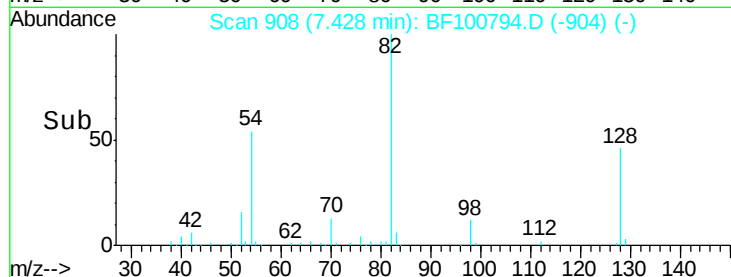
138 0.0 14.9 22.3#



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: BF100794.D

Acq: 21 Nov 2017 21:27

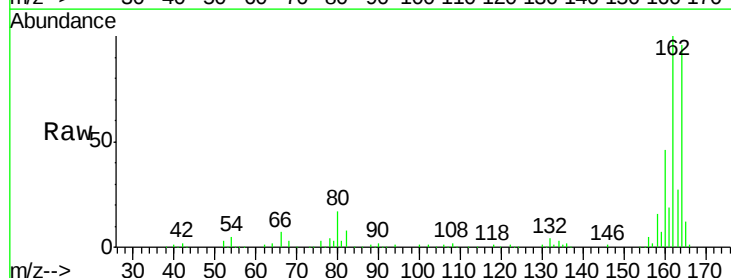
Tgt Ion:164 Resp: 129781

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

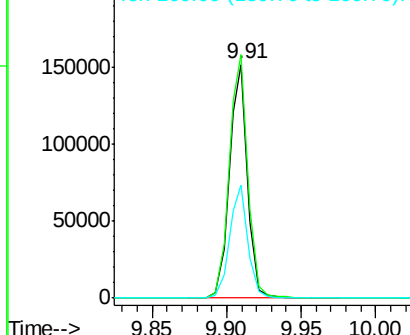
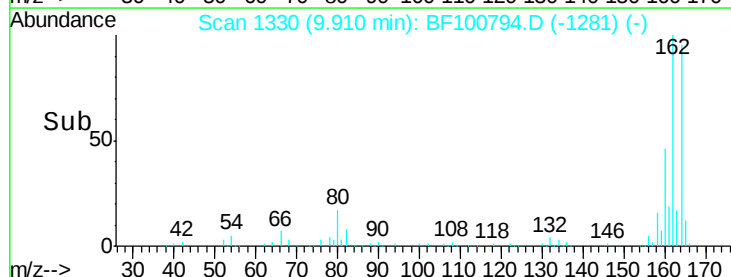
160 48.2 38.3 57.5

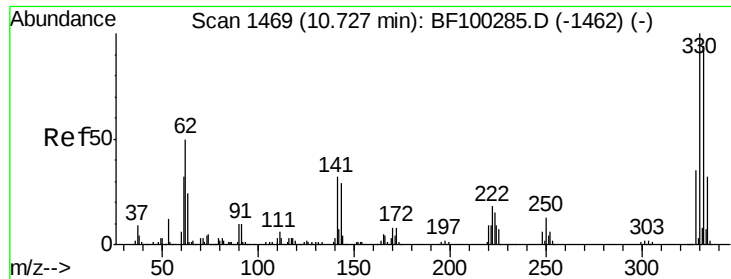


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

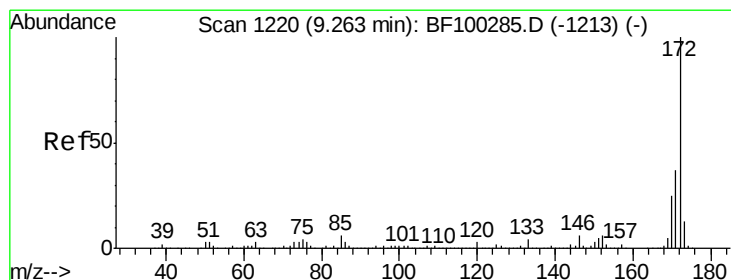
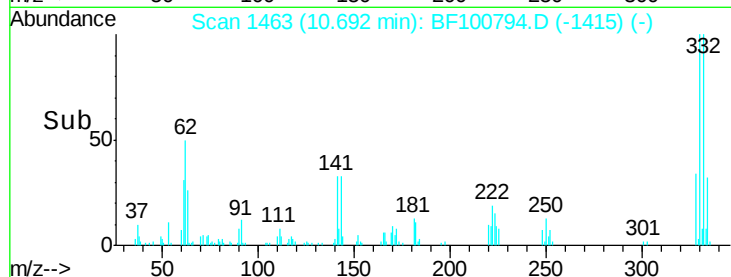
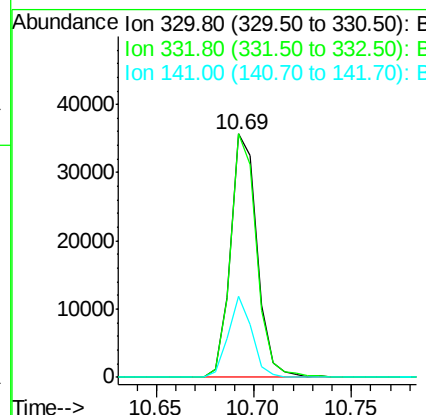
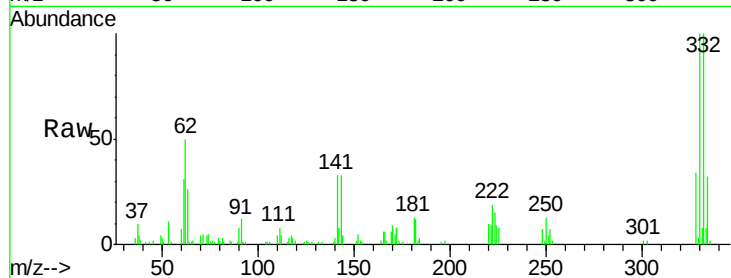




#41
 2,4,6-Tribromophenol
 Concen: 25.49 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

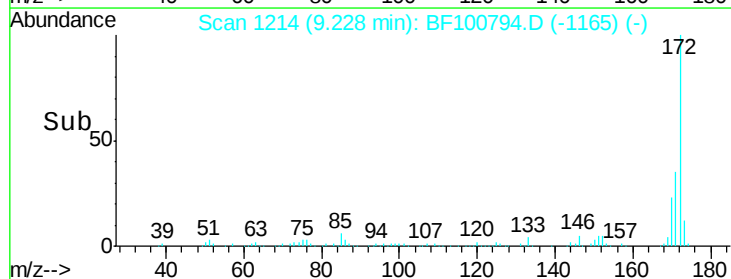
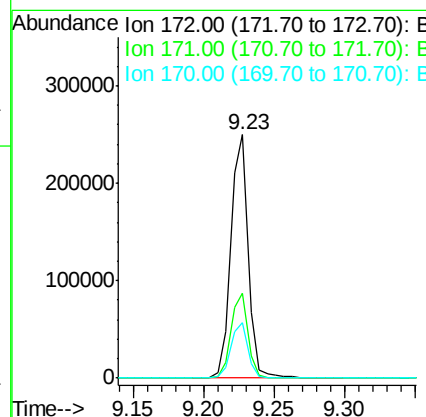
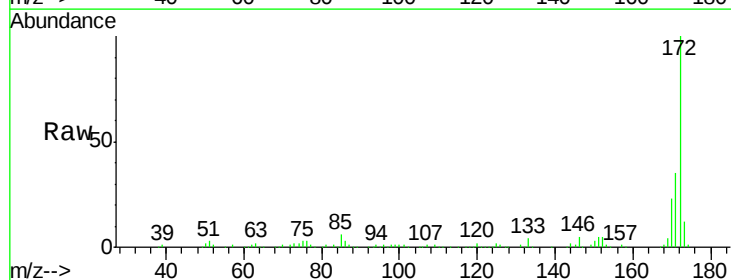
Instrument :
 BNA_F
 ClientSampleId :

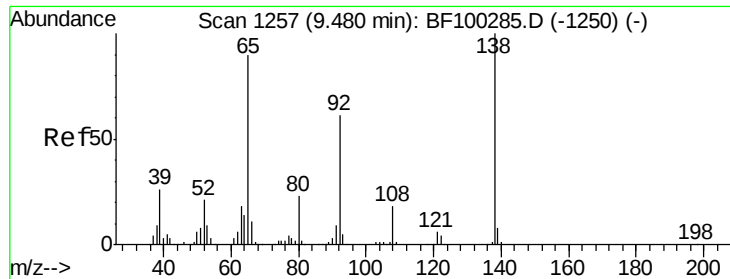
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	29.6	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 25.01 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	22.6	19.6	29.4

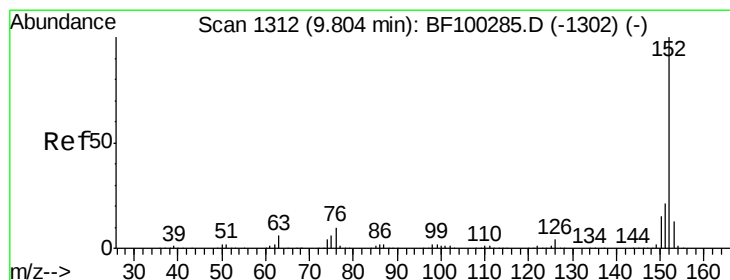
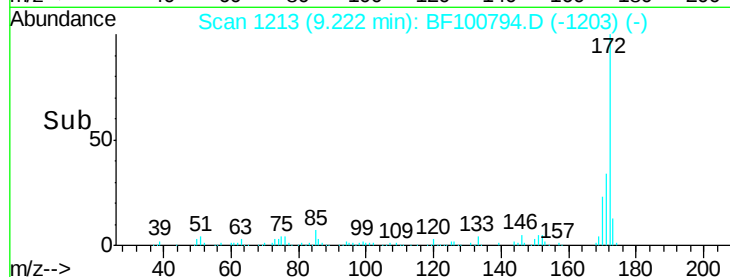
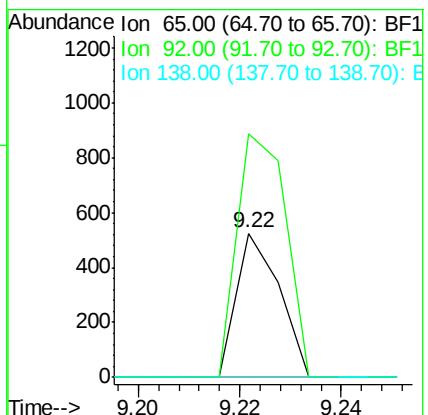
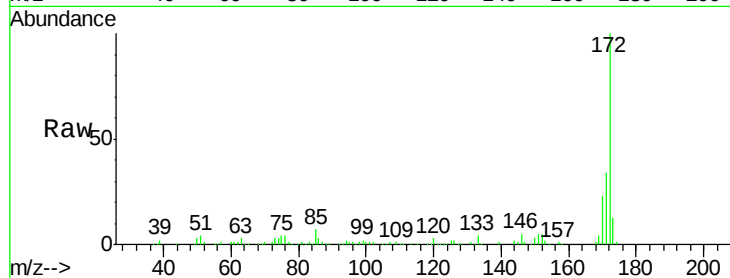




#47
2-Nitroaniline
Concen: 2.90 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.24 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

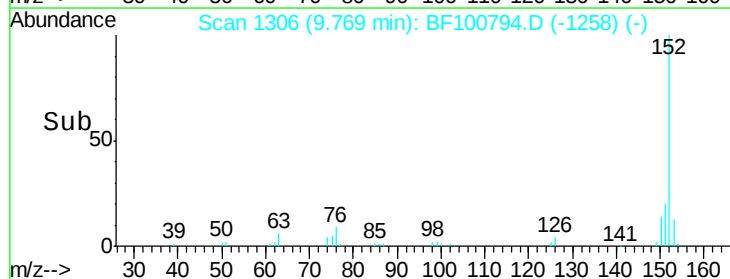
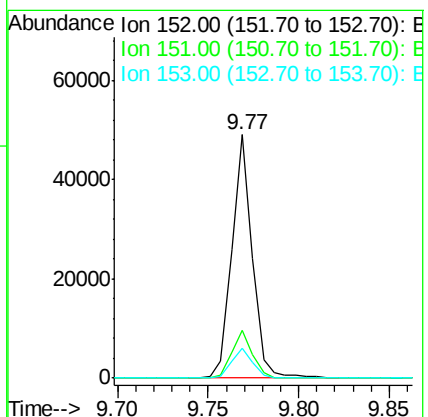
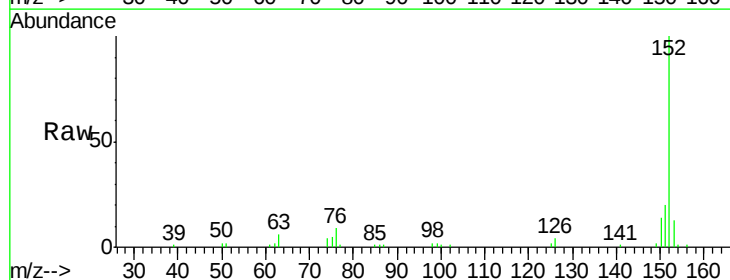
Instrument :
BNA_F
ClientSampled :

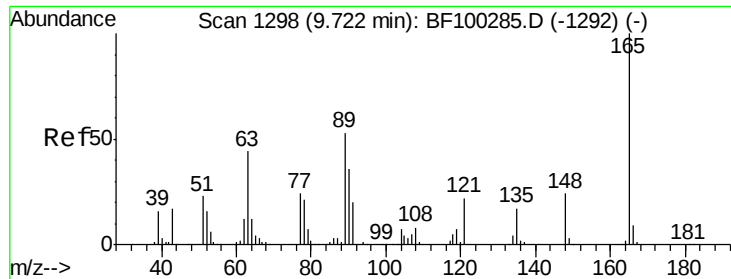
Tot Ion: 65 Resp: 308
Ion Ratio Lower Upper
65 100
92 169.0 55.8 83.6#
138 0.0 91.2 136.8#



#48
Acenaphthylene
Concen: 2.87 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion: 152 Resp: 38669
Ion Ratio Lower Upper
152 100
151 19.6 16.3 24.5
153 12.5 10.7 16.1

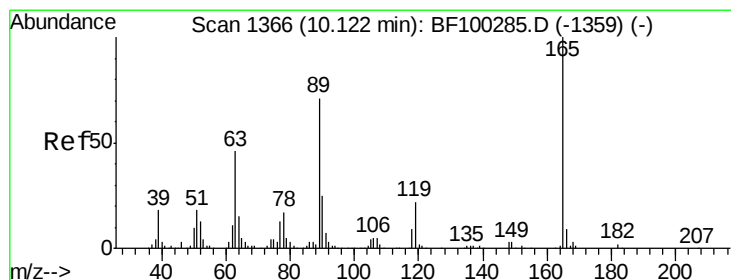
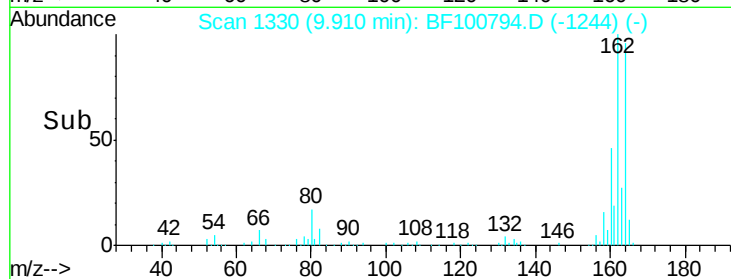
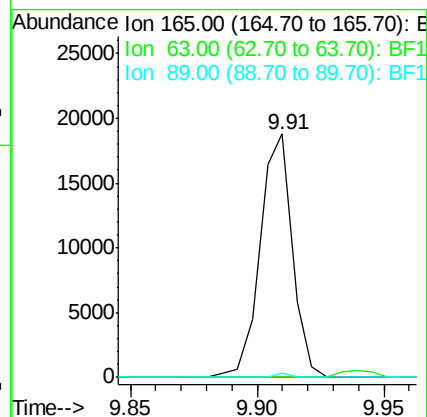
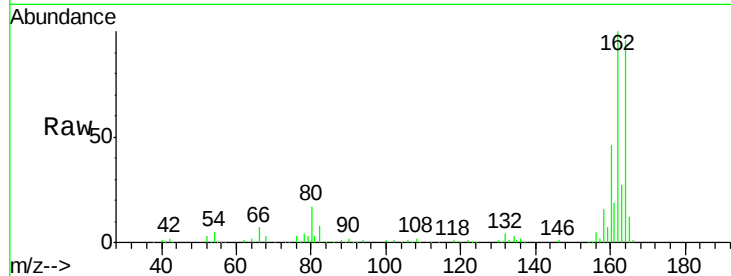




#50
 2,6-Dinitrotoluene
 Concen: 8.50 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

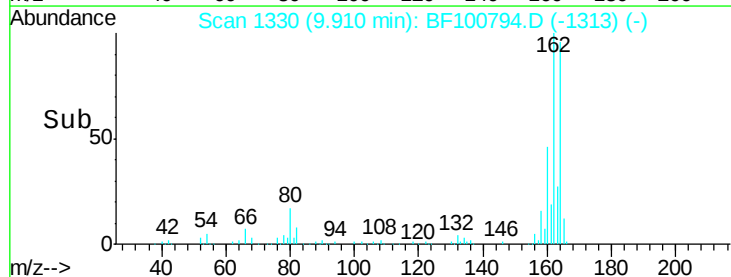
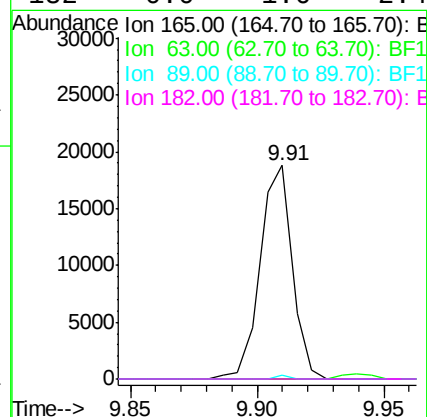
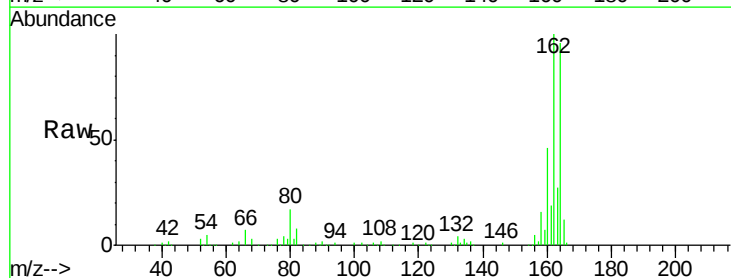
Instrument :
 BNA_F
 ClientSampled :

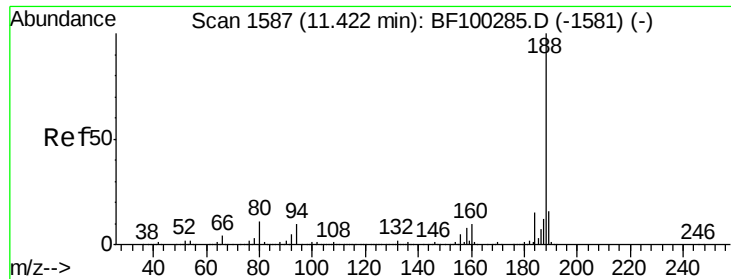
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.8	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.74 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

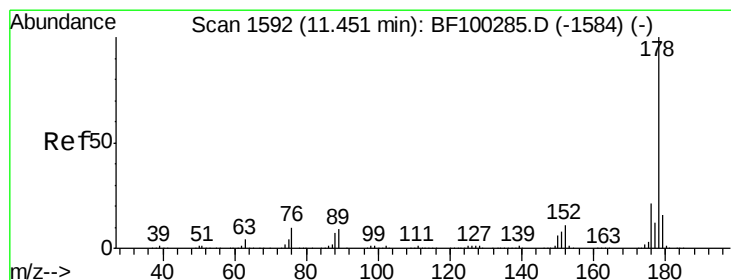
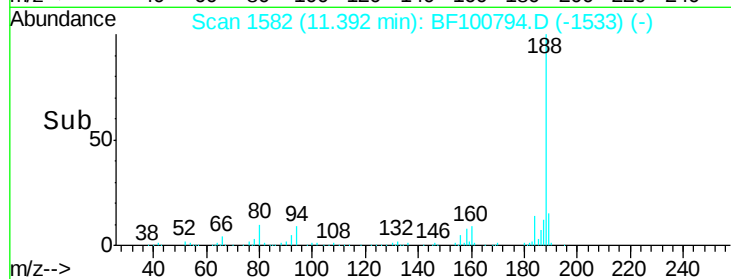
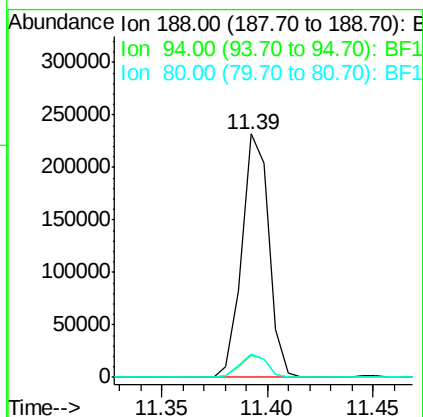
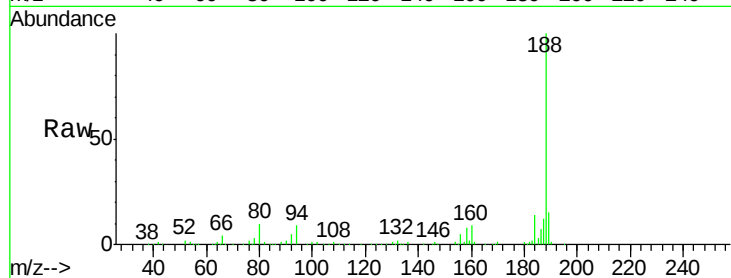




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

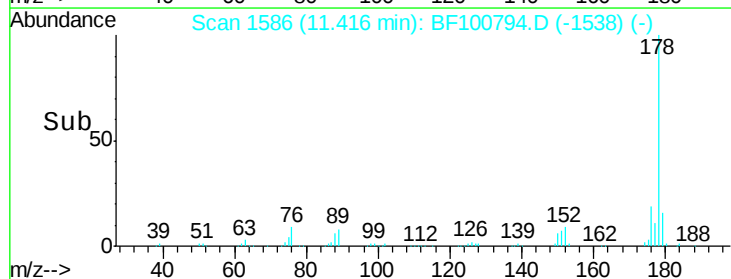
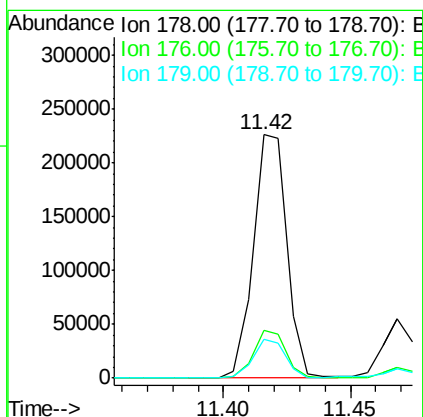
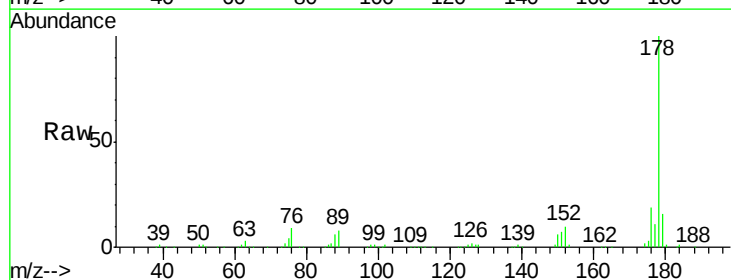
Instrument :
BNA_F
ClientSampleId :

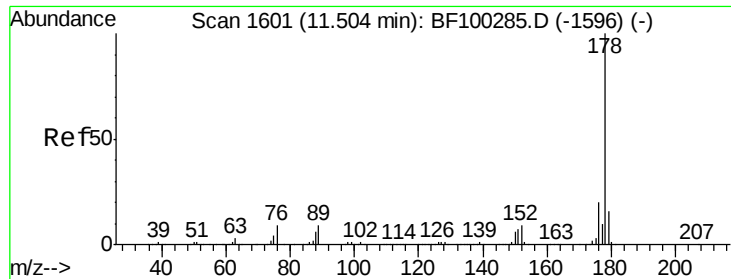
Tot Ion:188 Resp: 204706
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 9.9 9.2 13.8



#70
Phenanthrene
Concen: 19.40 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion:178 Resp: 209055
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.8 13.0 19.6

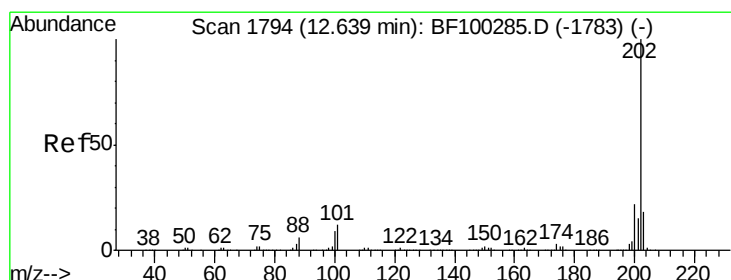
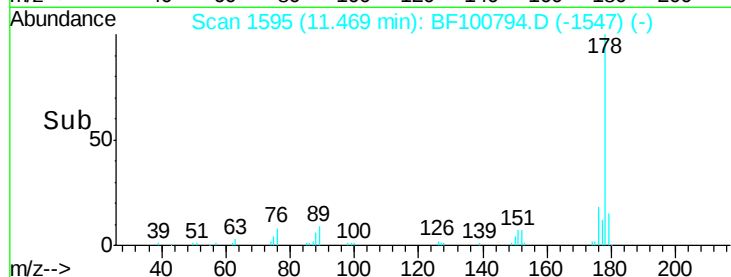
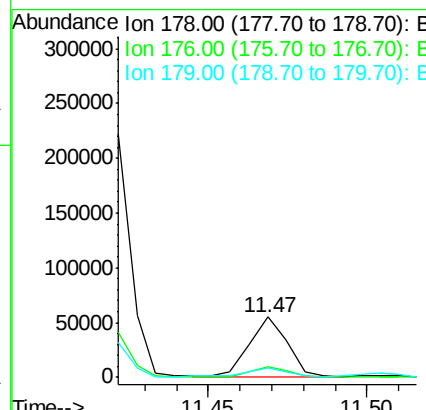
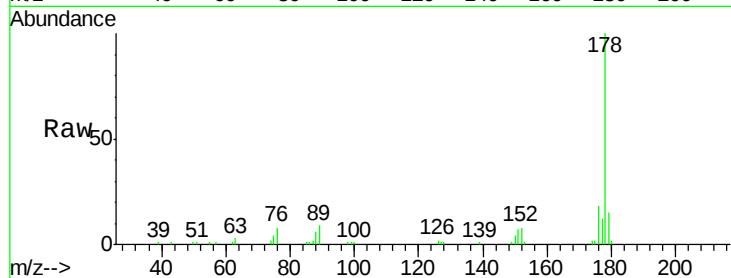




#71
 Anthracene
 Concen: 4.09 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.02 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

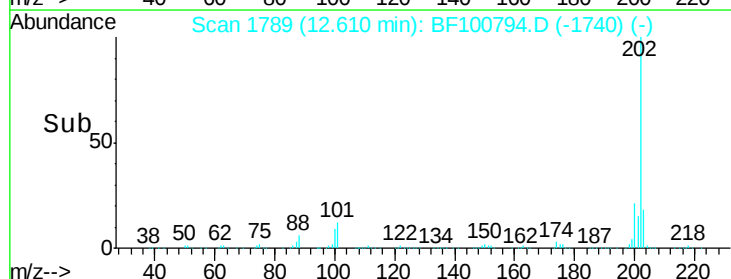
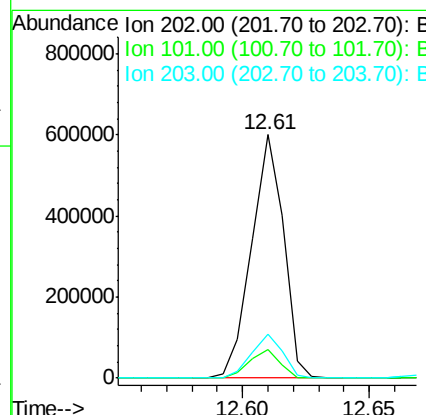
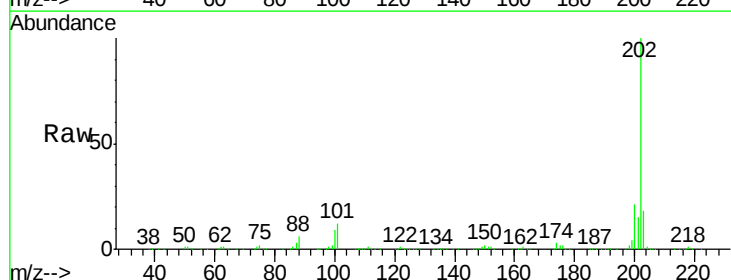
Instrument :
 BNA_F
 ClientSampled :

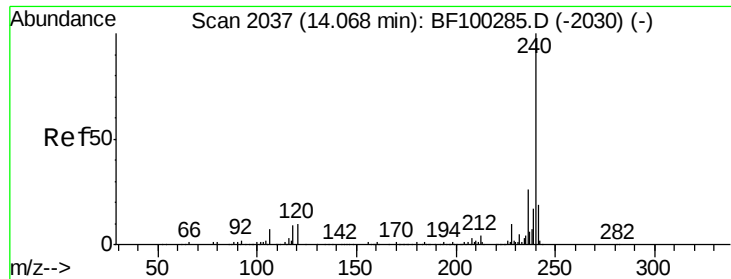
Tot Ion:178 Resp: 44735
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.1 12.6 19.0



#74
 Fluoranthene
 Concen: 46.41 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

Tgt Ion:202 Resp: 530144
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 34.1
 203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Instrument :

BNA_F

ClientSampleId :

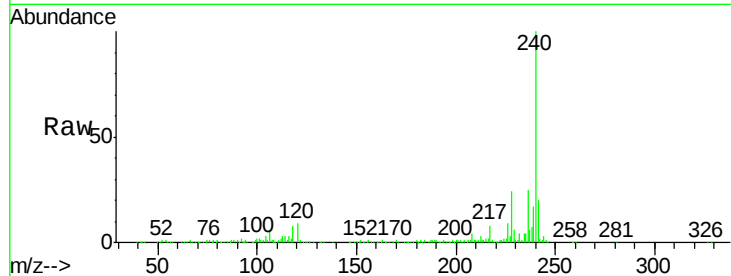
Tot Ion:240 Resp: 164284

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

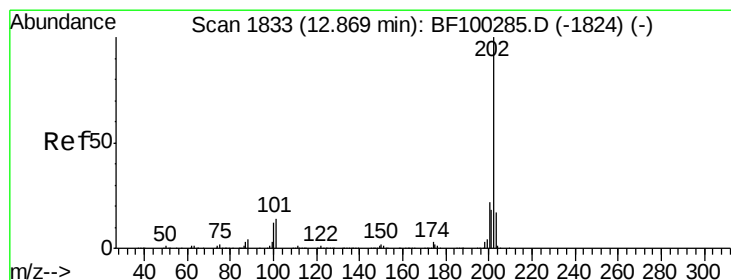
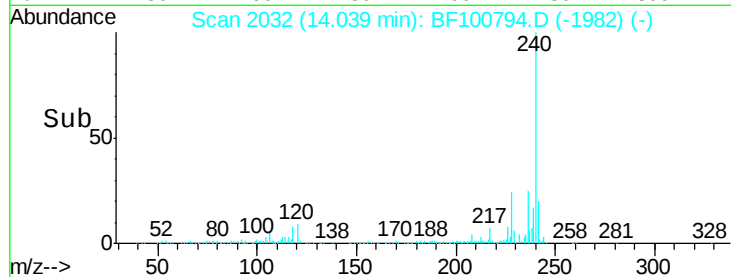
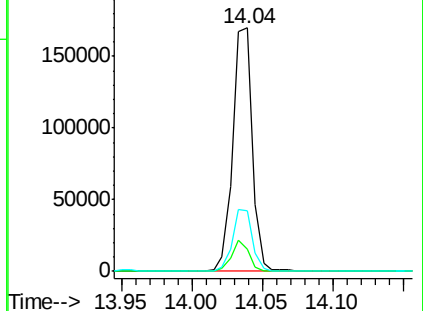
236 25.1 20.7 31.1



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

Pyrene

Concen: 42.83 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

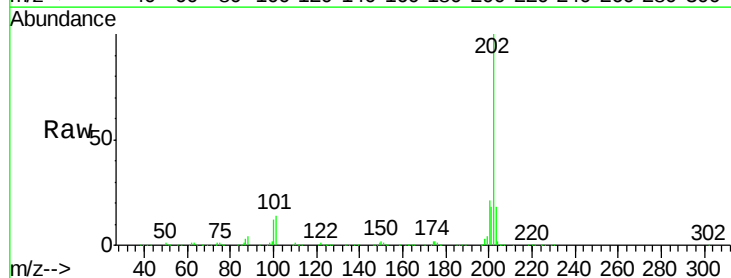
Tgt Ion:202 Resp: 501562

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

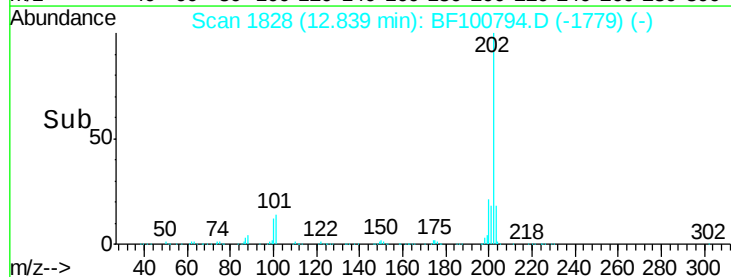
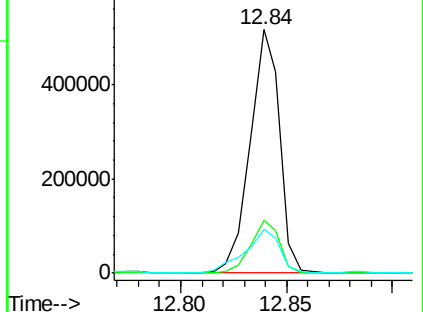
203 17.8 14.3 21.5

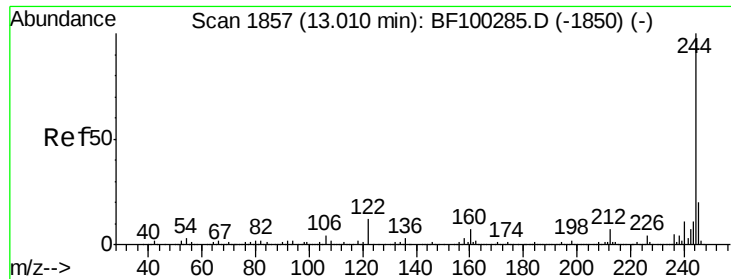


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.98 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Instrument :

BNA_F

ClientSampled :

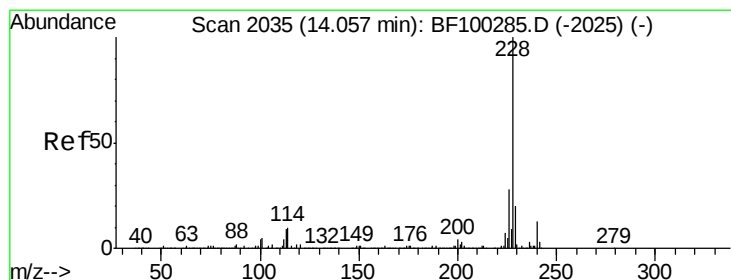
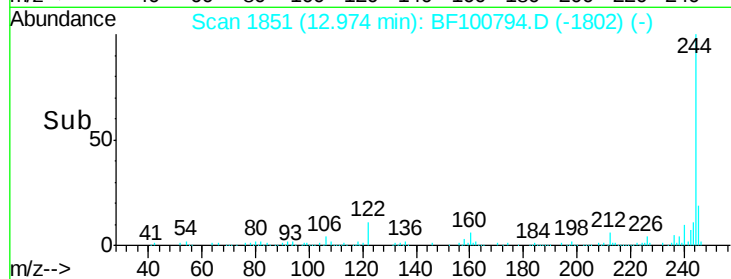
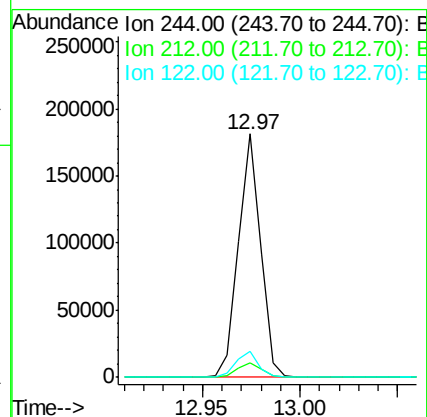
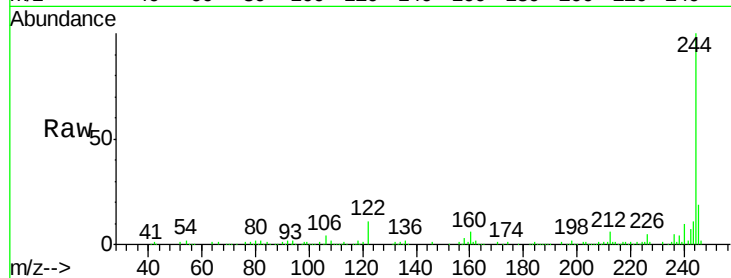
Tot Ion:244 Resp: 142889

Ion Ratio Lower Upper

244 100

212 6.0 5.4 8.0

122 10.7 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 29.65 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

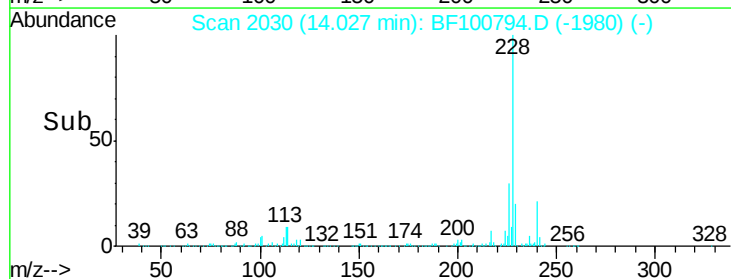
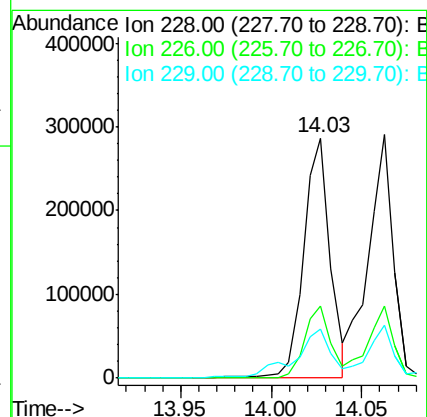
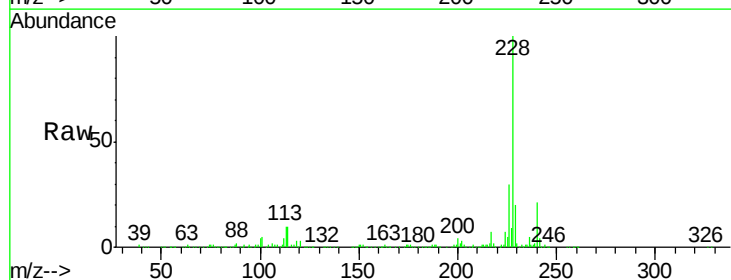
Tgt Ion:228 Resp: 293325

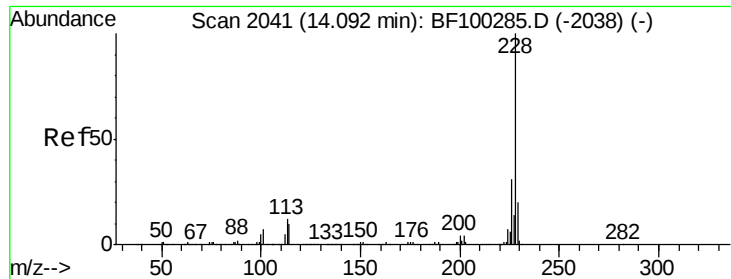
Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

229 20.4 15.8 23.6





#82

Chrysene

Concen: 29.14 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

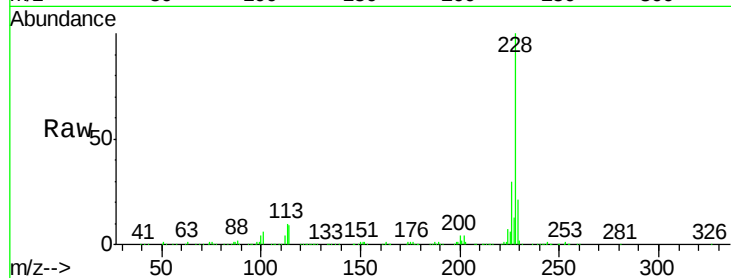
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 279147

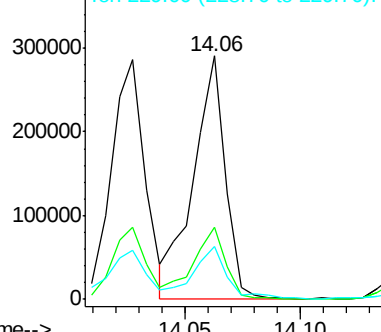
Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.5	16.2	24.4



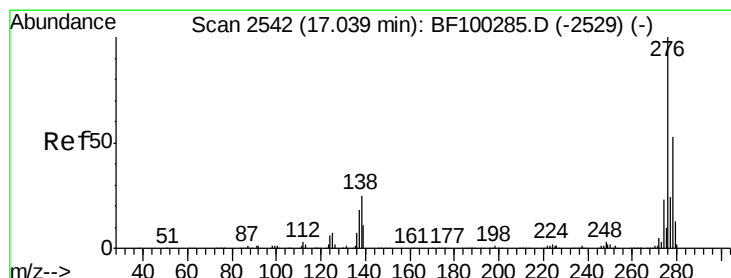
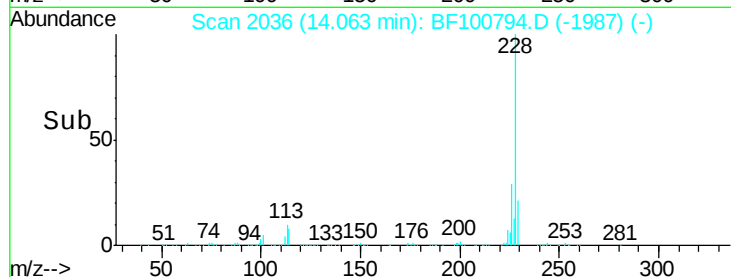
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 17.98 ng

RT: 16.99 min Scan# 2534

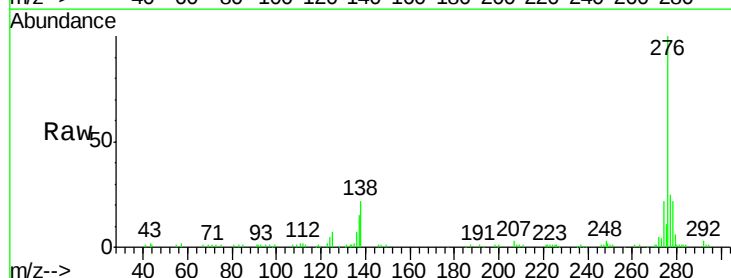
Delta R.T. -0.01 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Tgt Ion:276 Resp: 139361

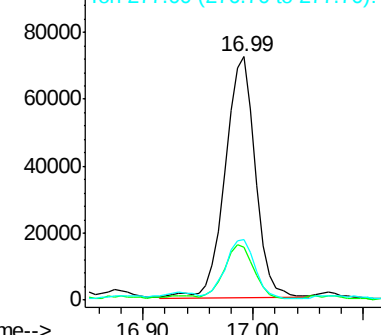
Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.0	37.6#
277	24.4	20.1	30.1



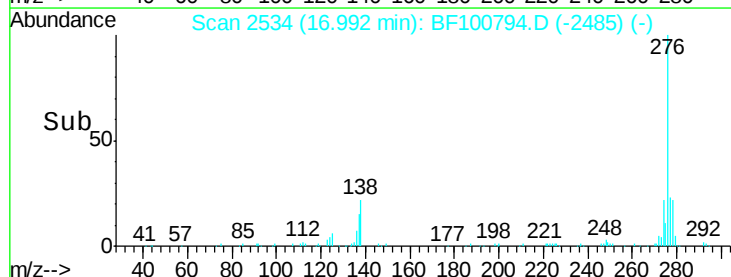
Abundance Ion 276.00 (275.70 to 276.70): E

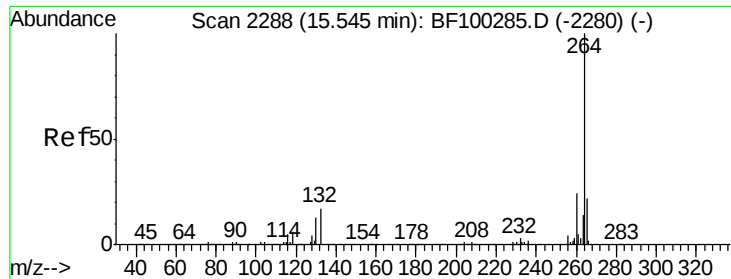
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

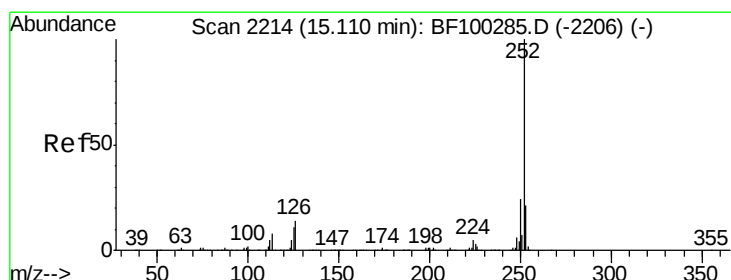
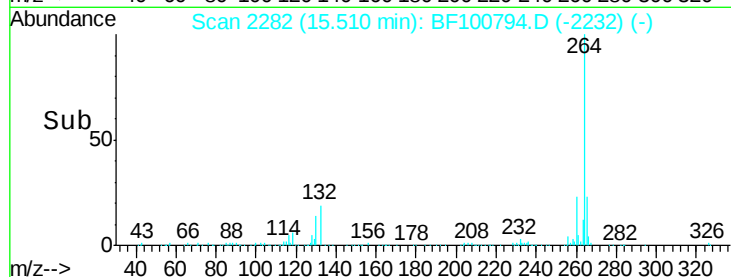
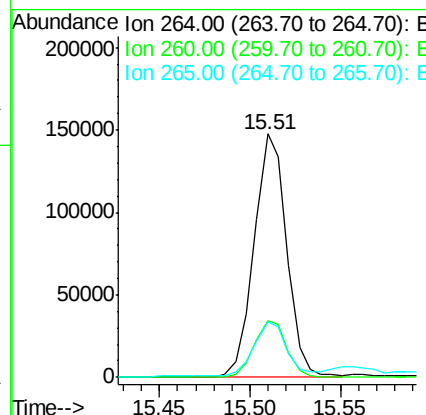
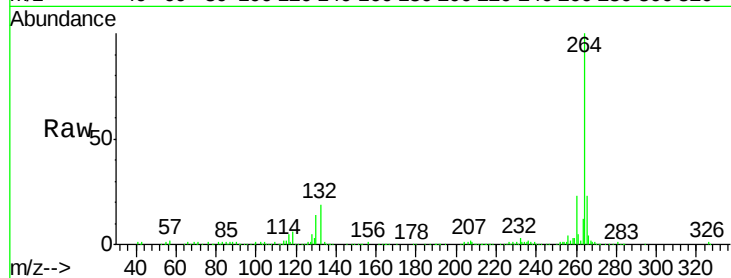




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

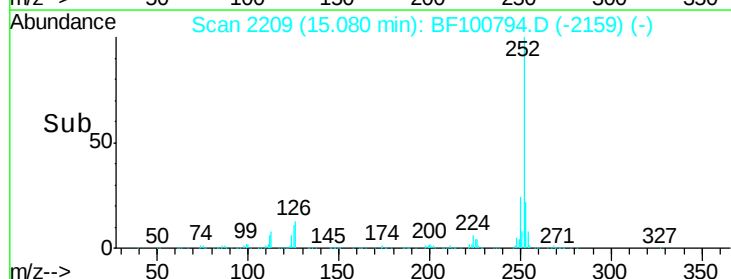
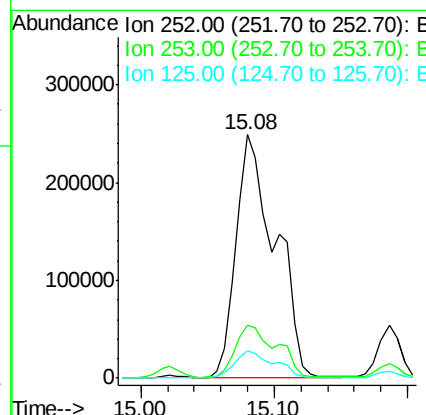
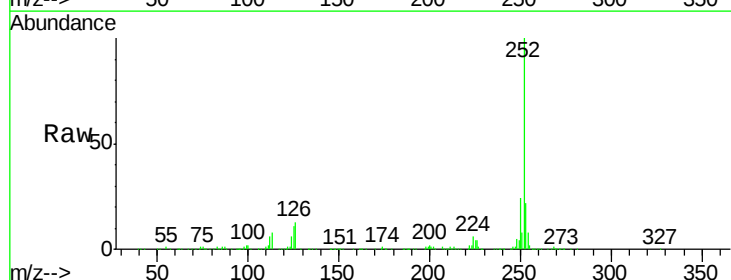
Instrument :
BNA_F
ClientSampleId :

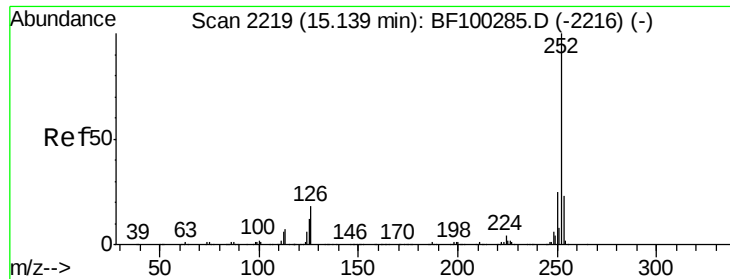
Tot Ion:264 Resp: 182494
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 23.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 47.02 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion:252 Resp: 508380
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 11.2 9.0 13.6

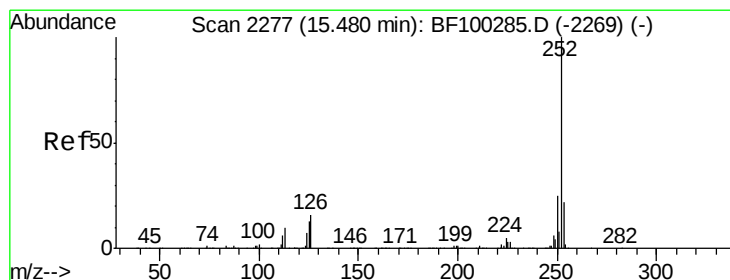
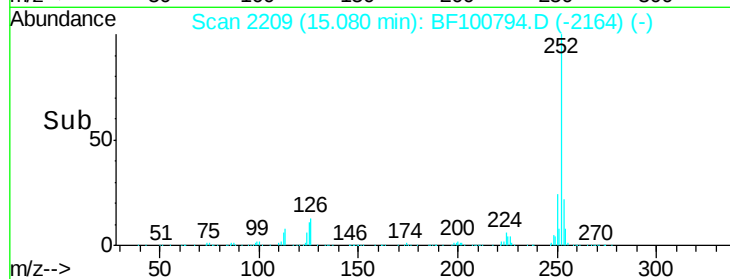
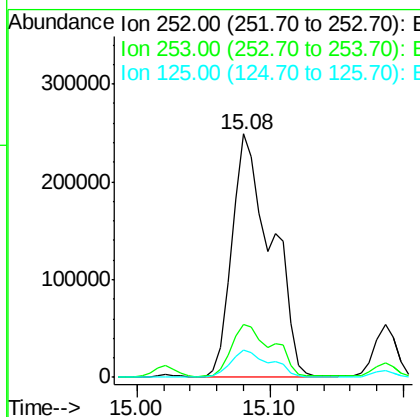
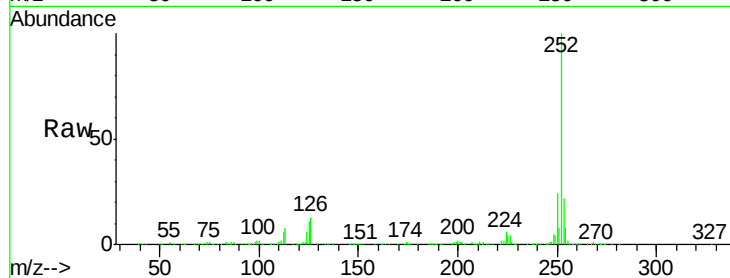




#88
Benzo(k)fluoranthene
Concen: 49.77 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

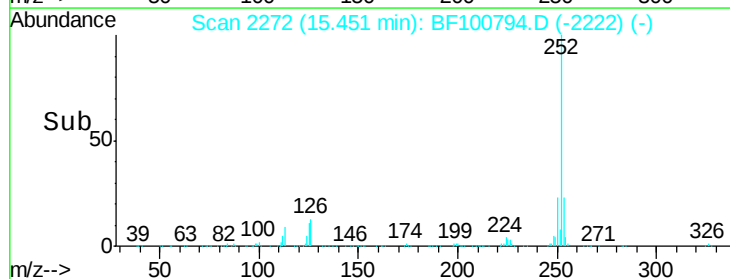
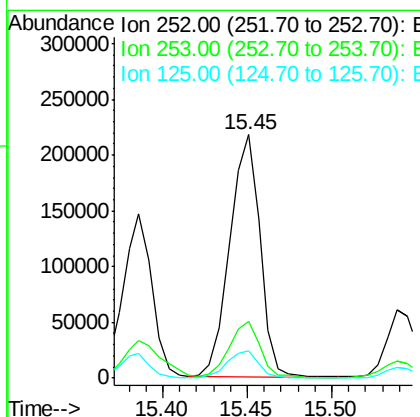
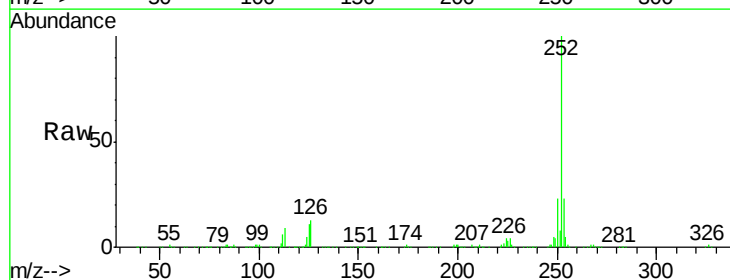
Instrument :
BNA_F
ClientSampleId :

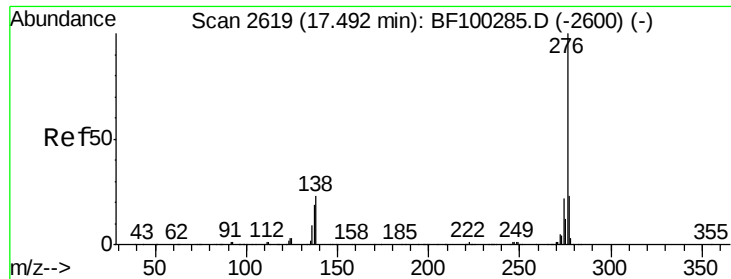
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	11.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 28.19 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	11.2	9.8	14.6

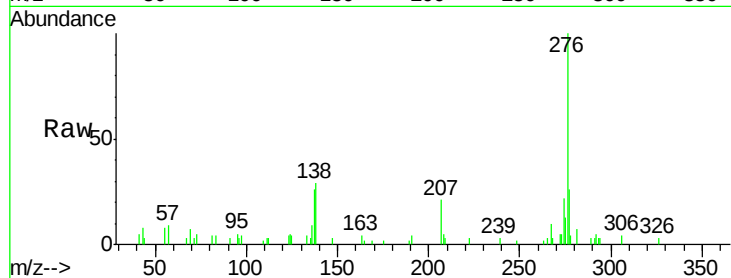




#91
 Benzo(a,h,i)perylene
 Concen: 3.65 ng
 RT: 17.67 min Scan# 2649
 Delta R.T. 0.21 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	29.3	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

