

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100994.D
 Acq On : 29 Nov 2017 22:32
 Operator : SJ/JU
 Sample : I6610-03 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 23:45:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

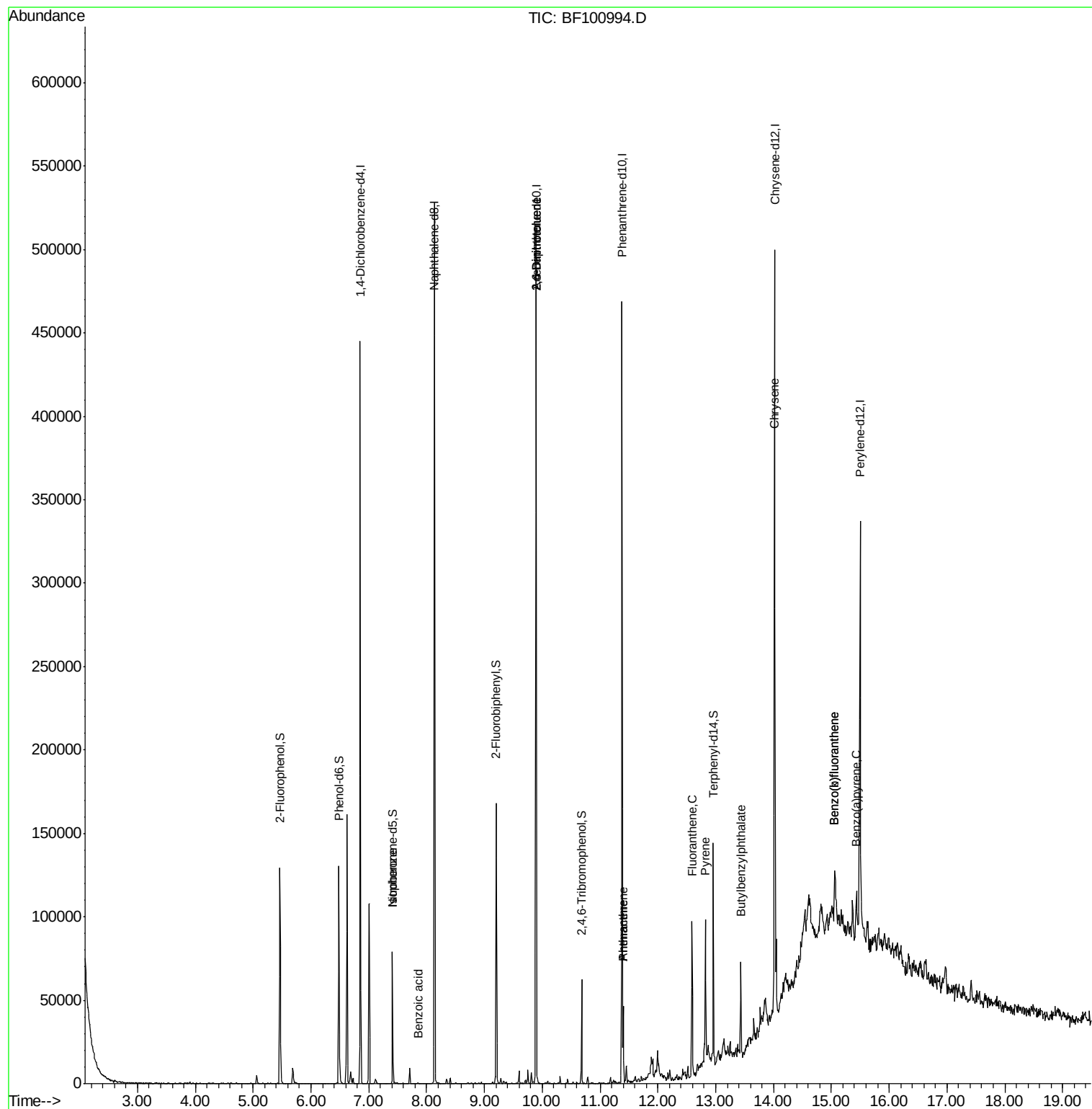
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	63680	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	236270	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	93313	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	156584	20.00	ng	0.00
75) Chrysene-d12	14.02	240	141811	20.00	ng	0.00
86) Perylene-d12	15.50	264	107916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	35535	8.95	ng	-0.01
7) Phenol-d6	6.48	99	43264	8.83	ng	-0.01
23) Nitrobenzene-d5	7.41	82	22875	6.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	8142	8.56	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	52108	8.50	ng	-0.01
78) Terphenyl-d14	12.96	244	40940	6.63	ng	-0.01
Target Compounds						
25) Isophorone	7.41	82	22875	3.046	ng	# 64
32) Benzoic acid	7.85	122	121	9.408	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	11892	8.432	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	11892	6.684	ng	# 23
70) Phenanthrene	11.40	178	17438	2.115	ng	98
71) Anthracene	11.40	178	17438	2.085	ng	98
74) Fluoranthene	12.59	202	34522	3.951	ng	96
77) Pyrene	12.82	202	32129	3.178	ng	98
79) Butylbenzylphthalate	13.43	149	12050	2.923	ng	86
82) Chrysene	14.01	228	16771	2.028	ng	99
87) Benzo(b)fluoranthene	15.06	252	21448	3.355	ng	# 90
88) Benzo(k)fluoranthene	15.06	252	21448	3.550	ng	# 93
89) Benzo(a)pyrene	15.43	252	11491	2.027	ng	# 90

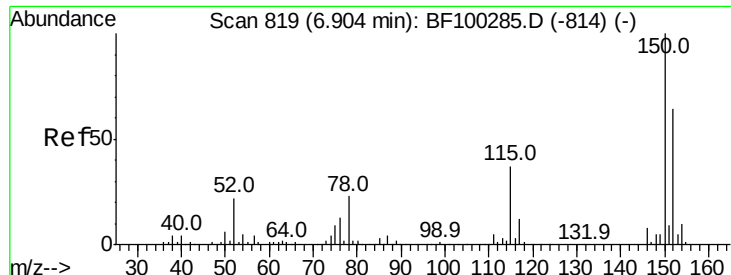
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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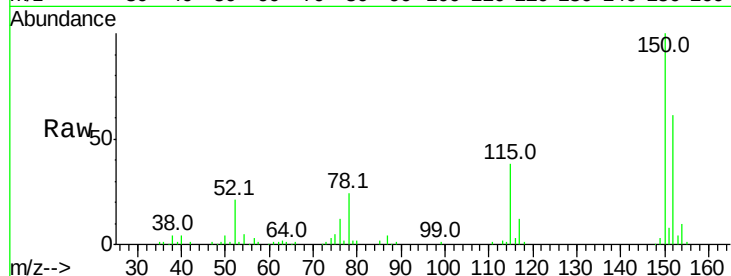


#1

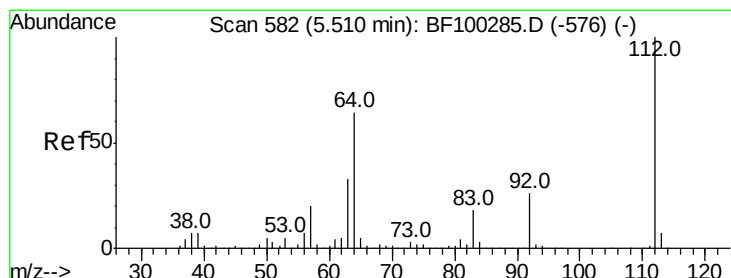
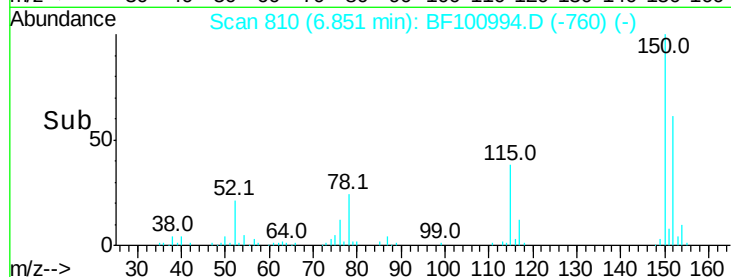
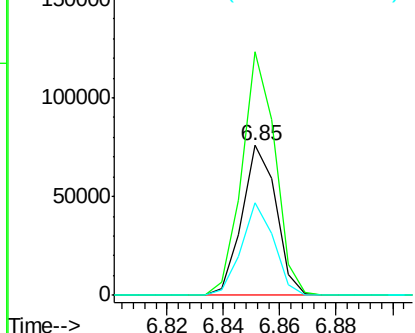
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100994.D
Acq: 29 Nov 2017 22:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 63680
Ion Ratio Lower Upper
152 100
150 162.6 124.6 186.8
115 62.0 50.1 75.1



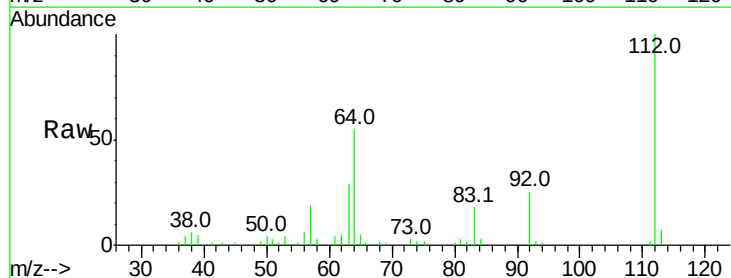
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



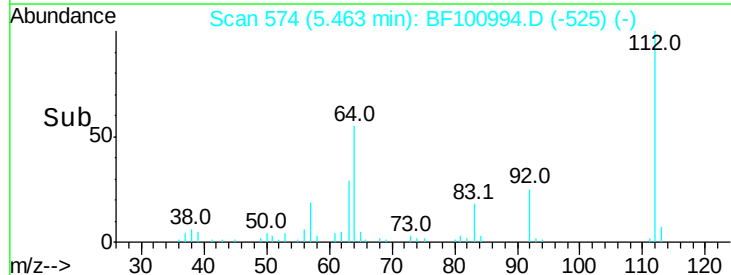
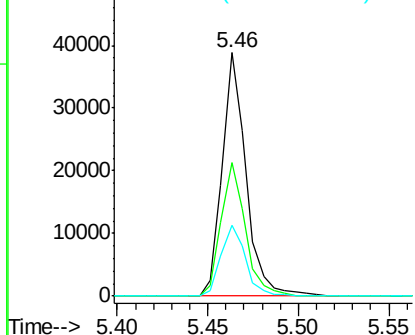
#5

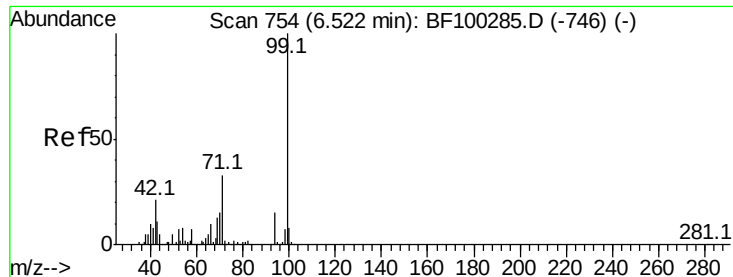
2-Fluorophenol
Concen: 8.945 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF100994.D
Acq: 29 Nov 2017 22:32

Tgt Ion:112 Resp: 35535
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 29.0 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: 8.832 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

Instrument :

BNA_F

ClientSampleId :

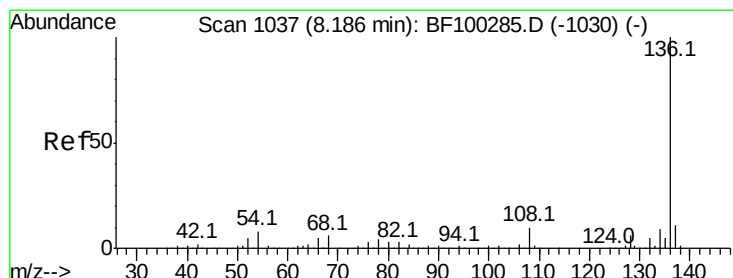
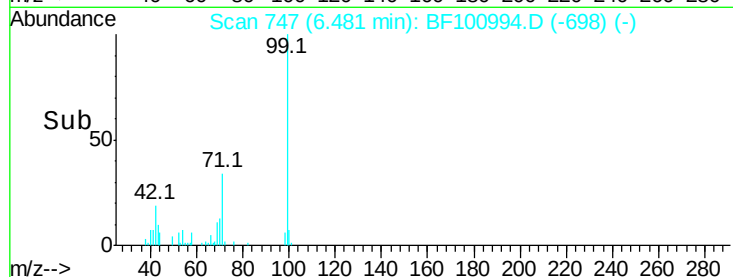
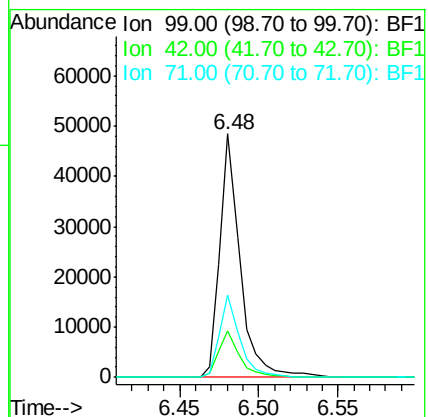
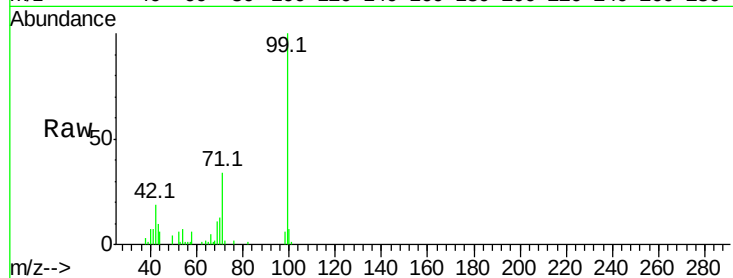
Tot Ion: 99 Resp: 43264

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 33.9 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

Tgt Ion: 136 Resp: 236270

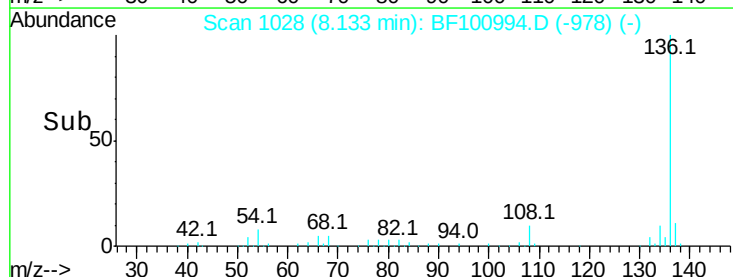
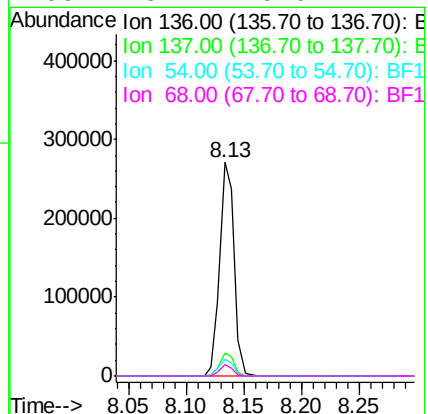
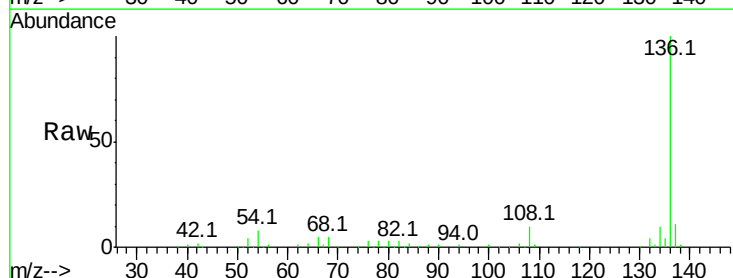
Ion Ratio Lower Upper

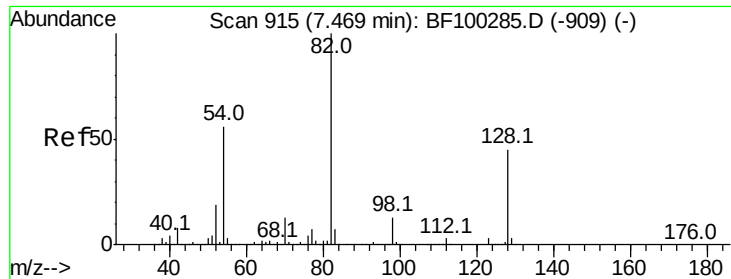
136 100

137 10.6 8.9 13.3

54 7.7 6.6 9.8

68 5.1 5.0 7.4

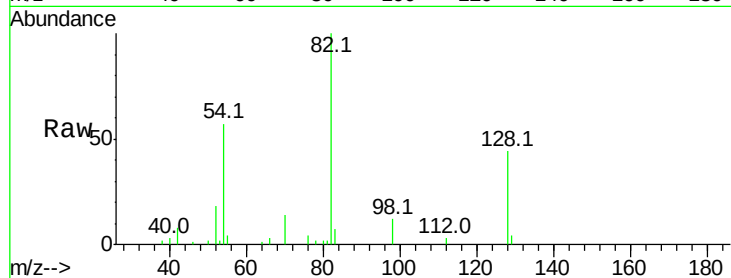




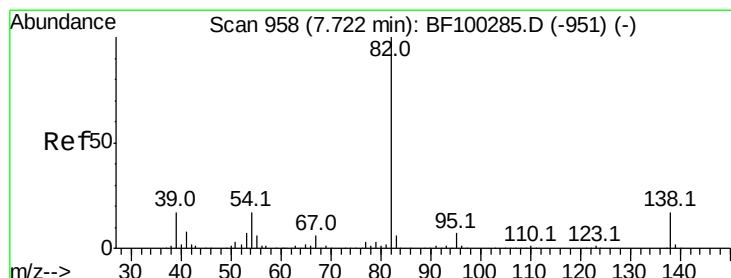
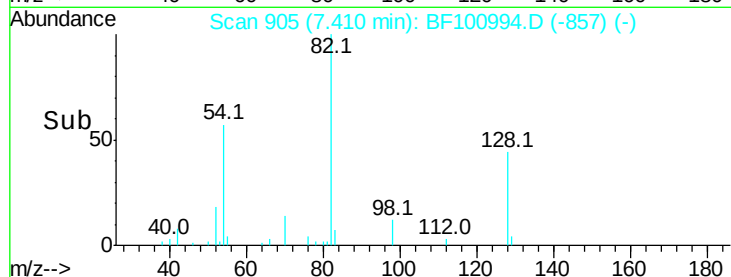
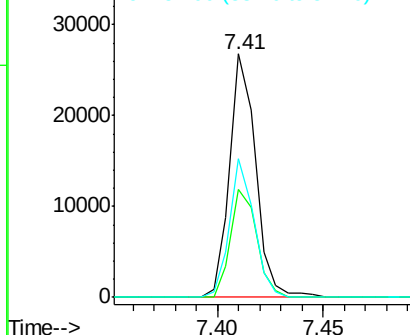
#23
 Nitrobenzene-d5
 Concen: 6.401 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF100994.D
 Acq: 29 Nov 2017 22:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	22875
Ion Ratio	100	Lower	Upper
128	44.1	36.1	54.1
54	56.8	41.4	62.2

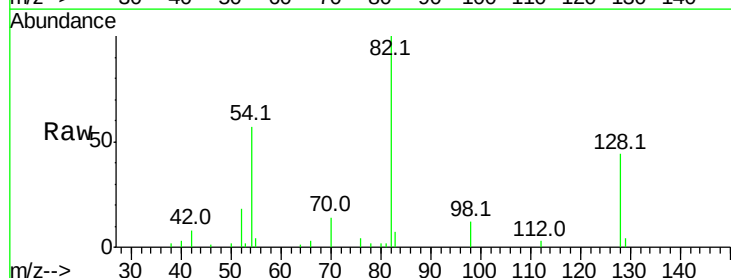


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

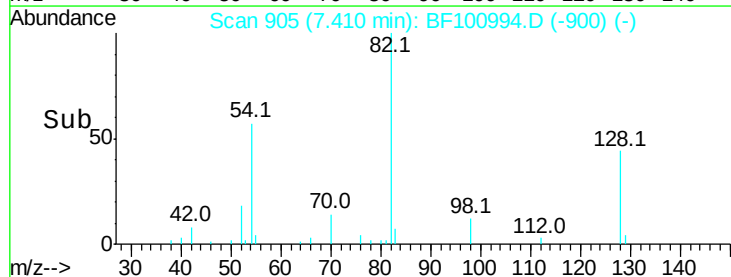
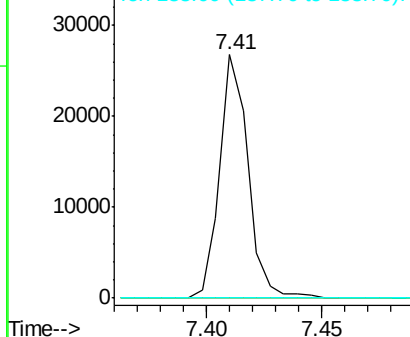


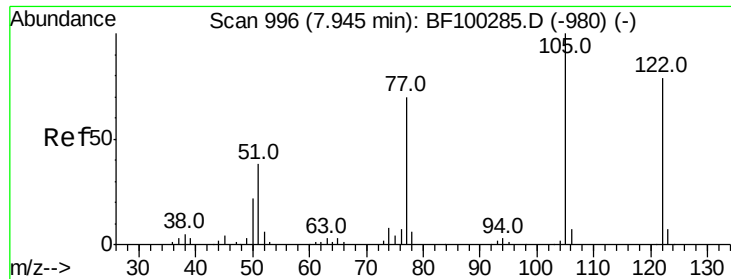
#25
 Isophorone
 Concen: 3.046 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.27 min
 Lab File: BF100994.D
 Acq: 29 Nov 2017 22:32

Tgt Ion	82	Resp	22875
Ion Ratio	100	Lower	Upper
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

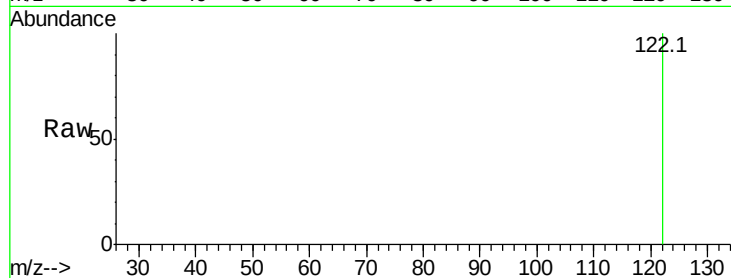




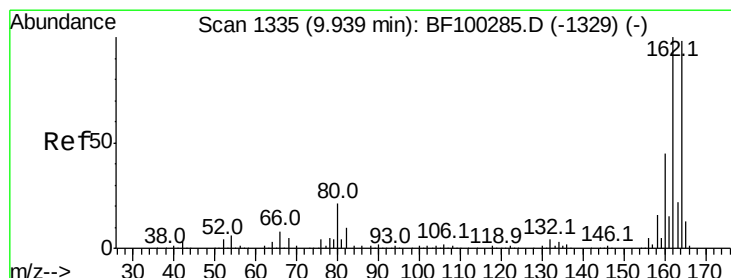
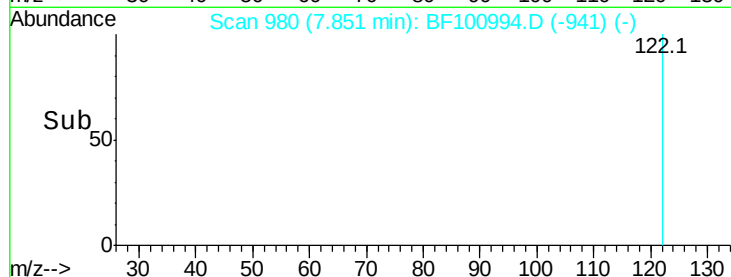
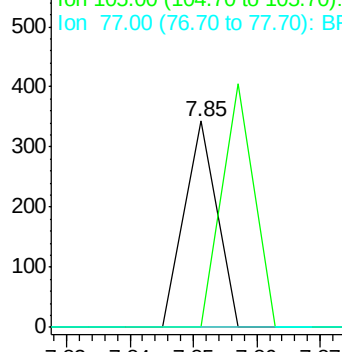
#32
Benzoic acid
Concen: 9.408 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.07 min
Lab File: BF100994.D
Acq: 29 Nov 2017 22:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 121
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#

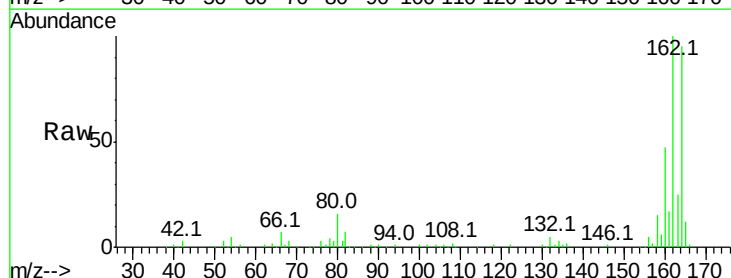


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

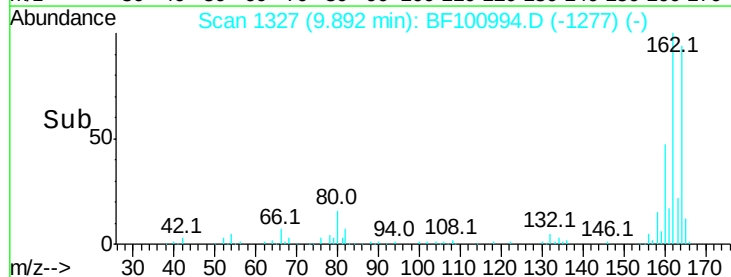
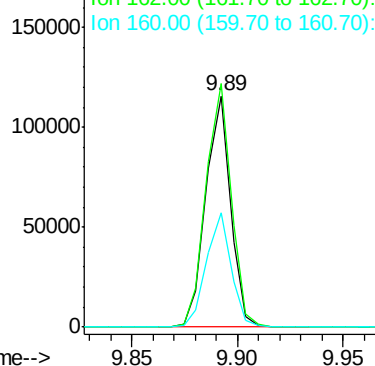


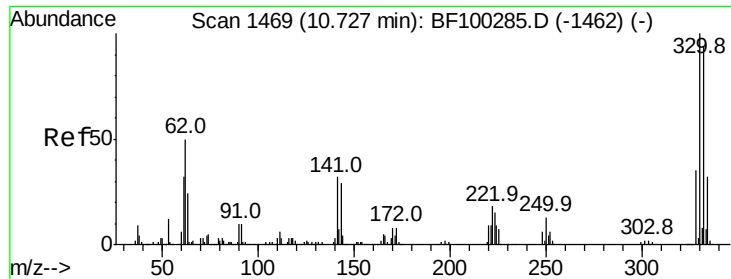
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100994.D
Acq: 29 Nov 2017 22:32

Tgt Ion:164 Resp: 93313
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 49.7 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

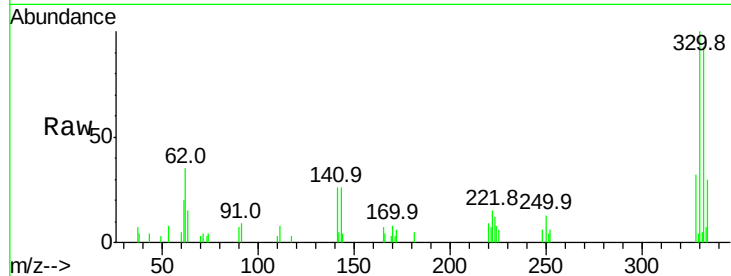




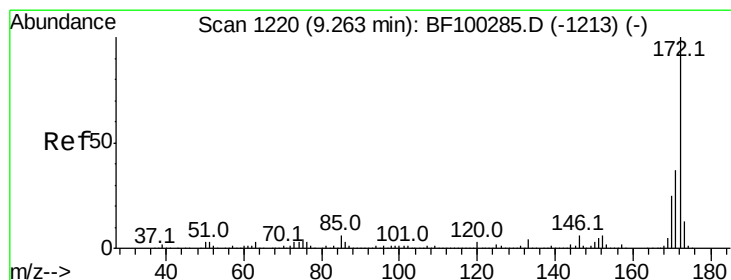
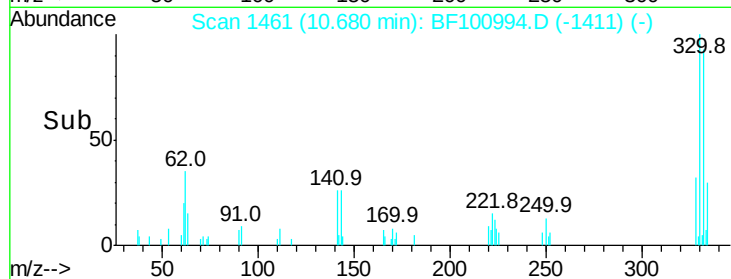
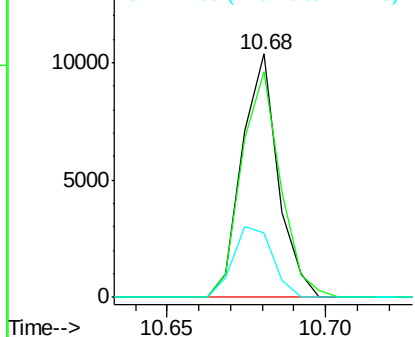
#41
 2,4,6-Tribromophenol
 Concen: 8.563 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100994.D
 Acq: 29 Nov 2017 22:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 8142
 Ion Ratio Lower Upper
 330 100
 332 100.2 77.0 115.6
 141 31.5 29.9 44.9

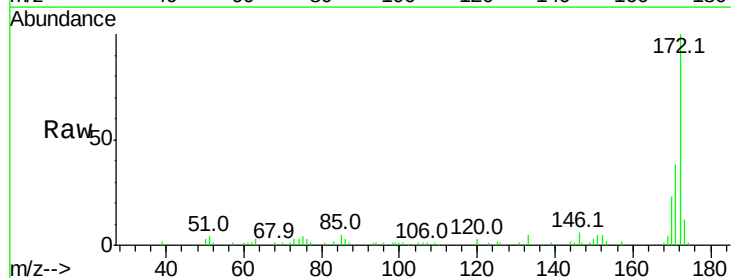


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

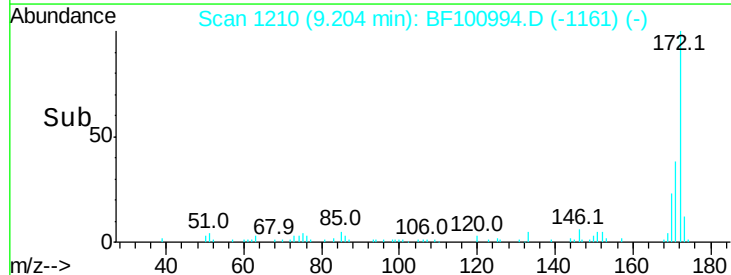
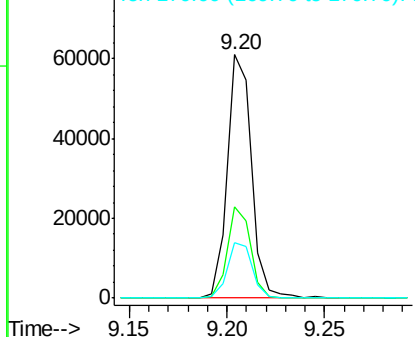


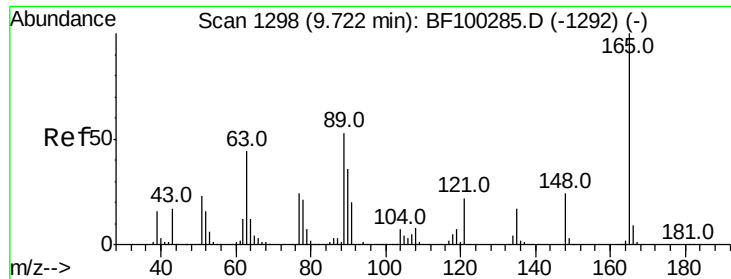
#44
 2-Fluorobiphenyl
 Concen: 8.503 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF100994.D
 Acq: 29 Nov 2017 22:32

Tgt Ion:172 Resp: 52108
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.7 44.5
 170 22.7 19.6 29.4



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

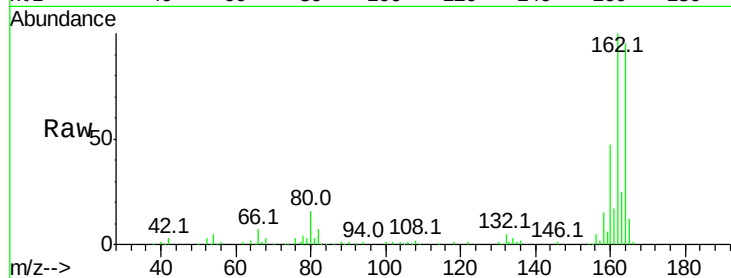




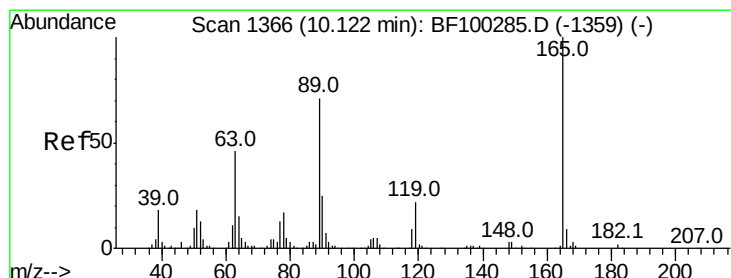
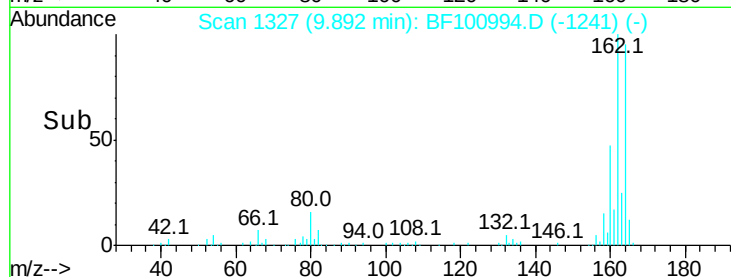
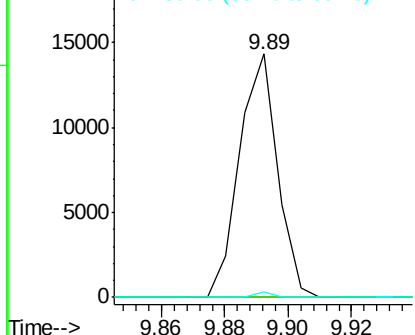
#50
 2,6-Dinitrotoluene
 Concen: 8.432 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF100994.D
 Acq: 29 Nov 2017 22:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	2.1	44.0	66.0#

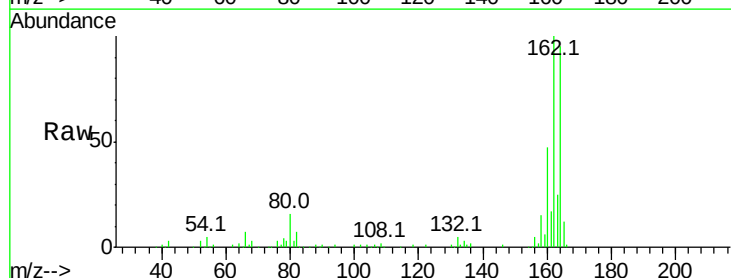


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

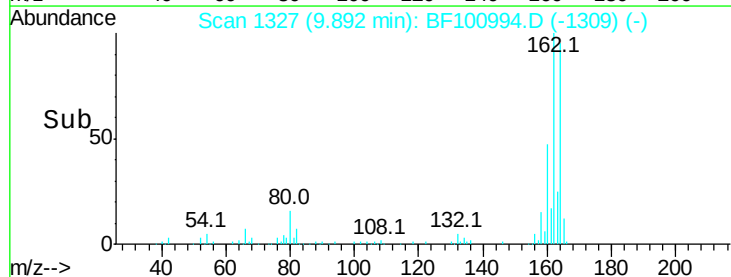
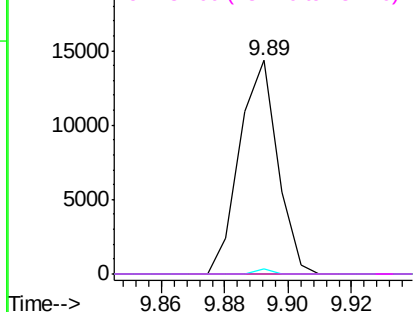


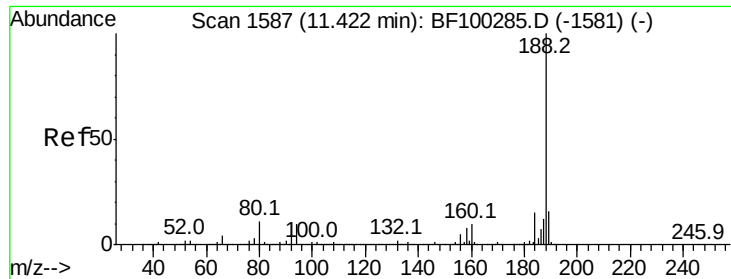
#56
 2,4-Dinitrotoluene
 Concen: 6.684 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100994.D
 Acq: 29 Nov 2017 22:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.1	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

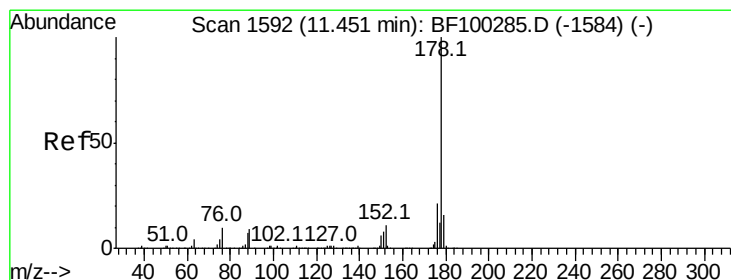
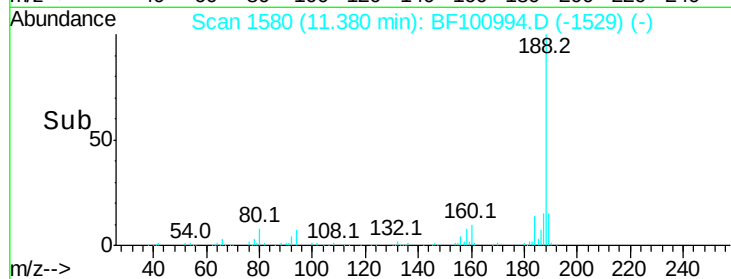
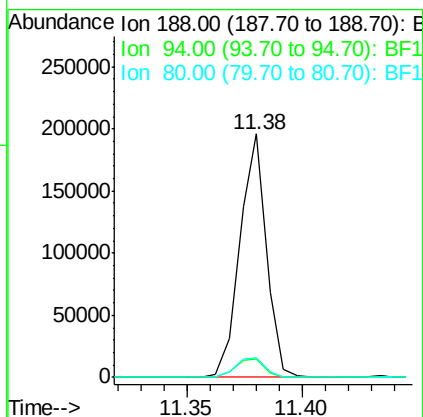
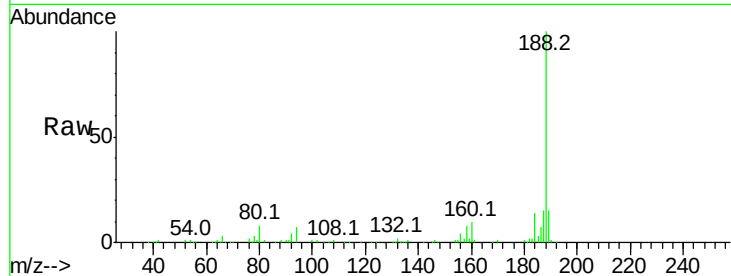




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100994.D
Acq: 29 Nov 2017 22:32

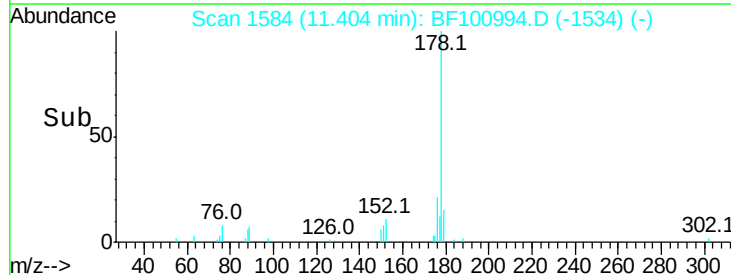
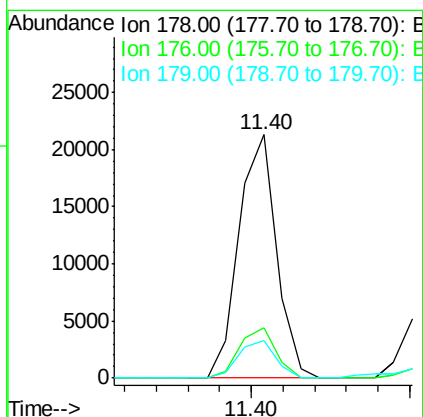
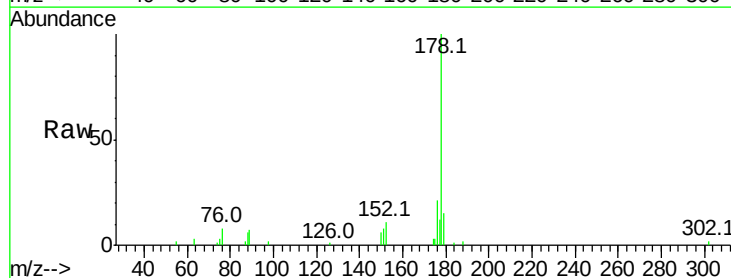
Instrument :
BNA_F
ClientSampleId :

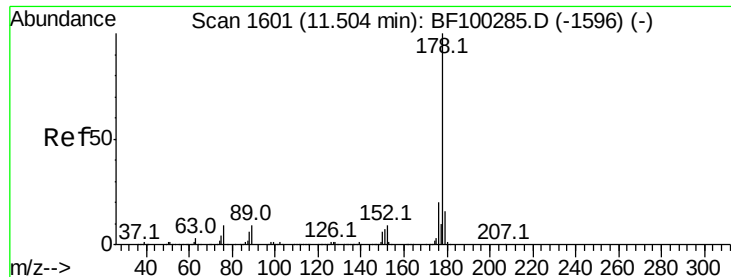
Tot Ion:188 Resp: 156584
Ion Ratio Lower Upper
188 100
94 7.5 8.5 12.7#
80 8.2 9.2 13.8#



#70
Phenanthrene
Concen: 2.115 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100994.D
Acq: 29 Nov 2017 22:32

Tgt Ion:178 Resp: 17438
Ion Ratio Lower Upper
178 100
176 20.9 15.8 23.8
179 15.4 13.0 19.6





#71

Anthracene

Concen: 2.085 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.06 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

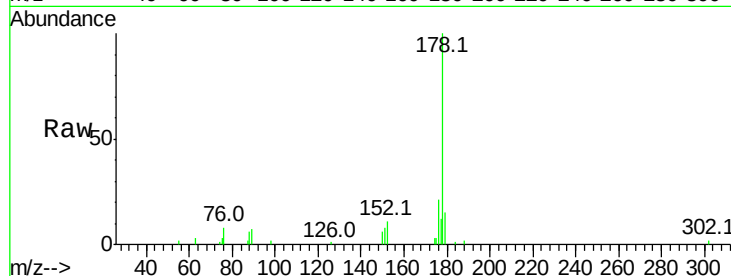
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 17438

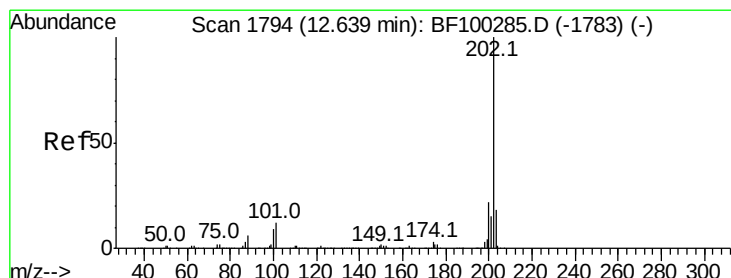
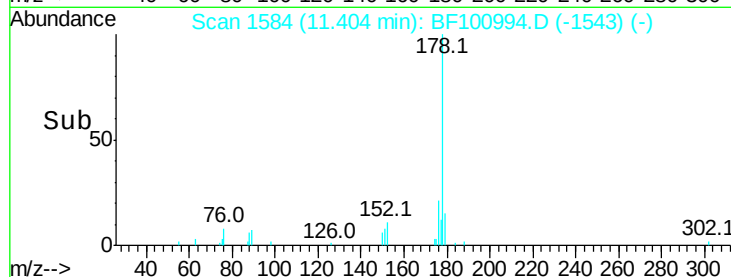
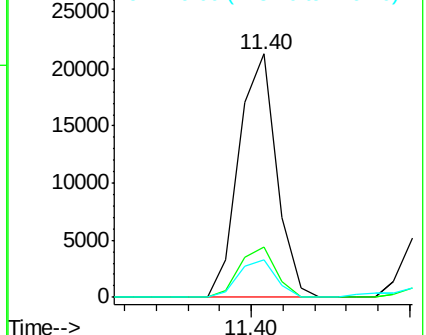
Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.4	23.2
179	15.4	12.6	19.0



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



#74

Fluoranthene

Concen: 3.951 ng

RT: 12.59 min Scan# 1786

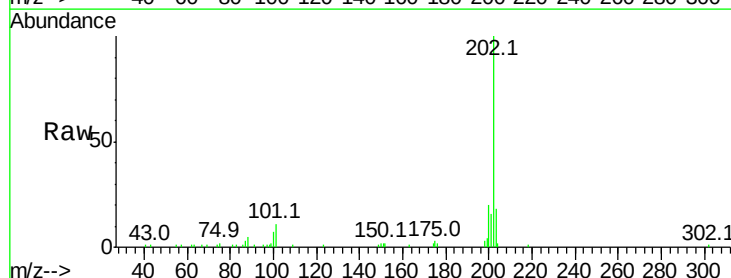
Delta R.T. -0.01 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

Tgt Ion:202 Resp: 34522

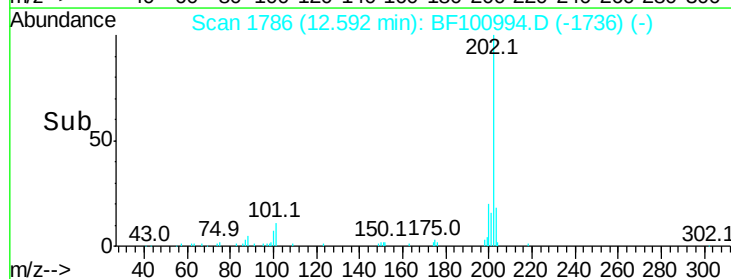
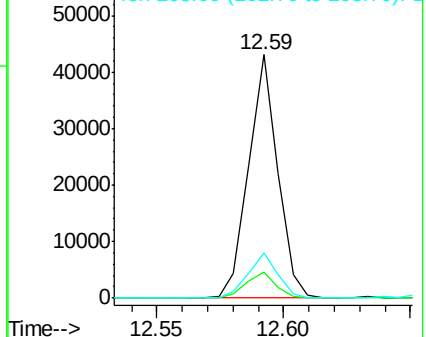
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	18.3	0.0	38.1

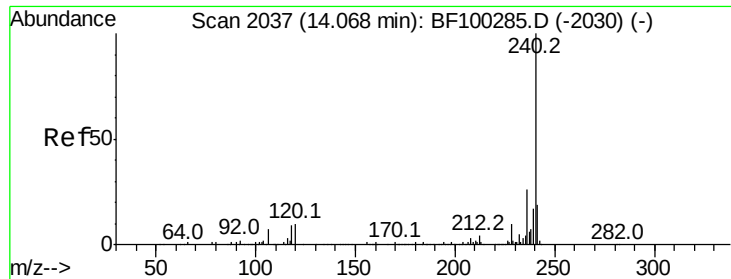


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

Instrument :

BNA_F

ClientSampleId :

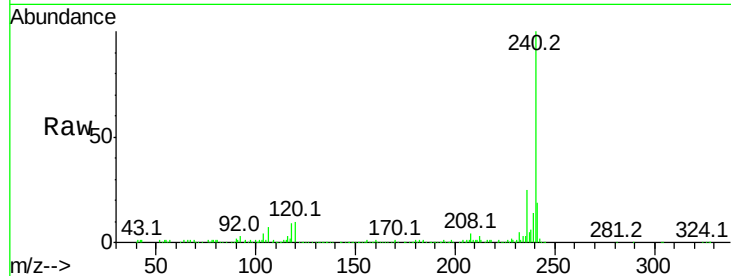
Tot Ion:240 Resp: 141811

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

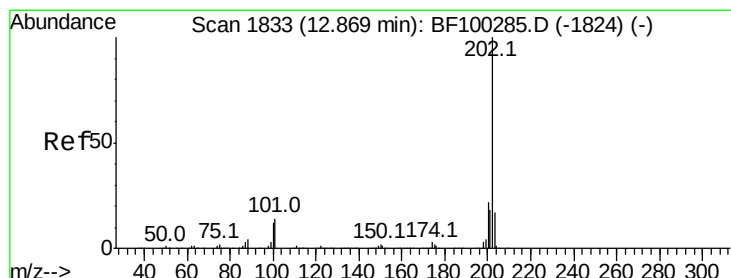
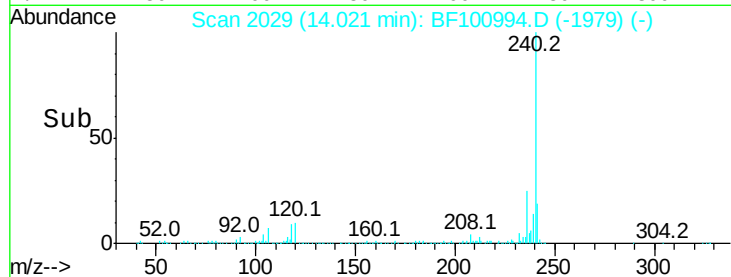
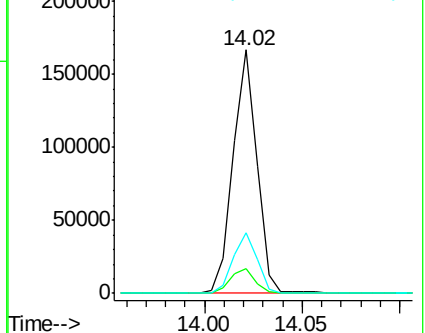
236 25.0 20.7 31.1



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: 3.178 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

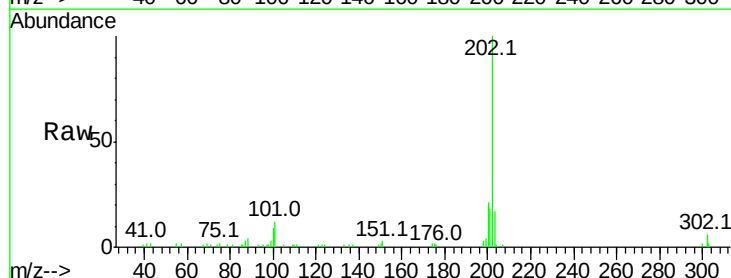
Tgt Ion:202 Resp: 32129

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

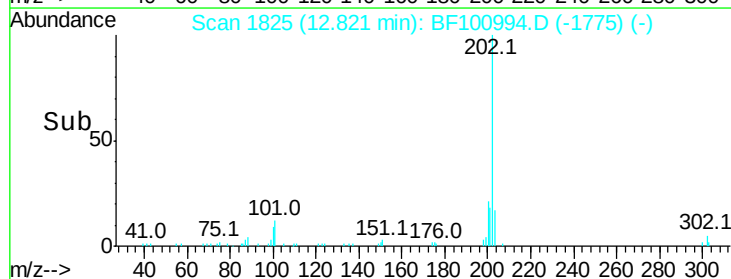
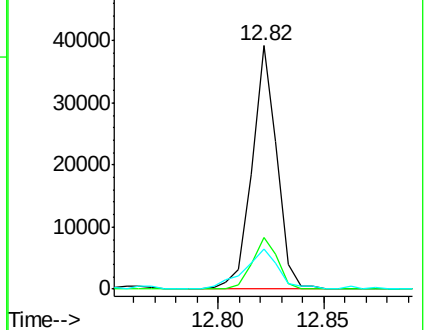
203 16.5 14.3 21.5

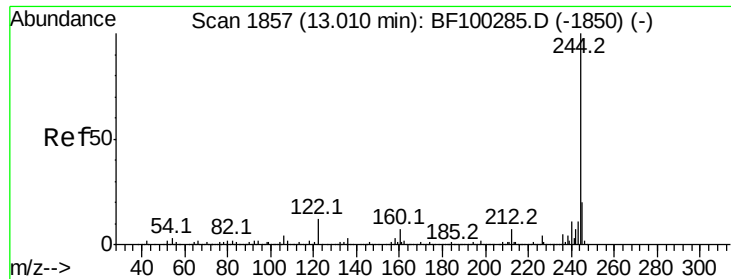


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.633 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

Instrument :

BNA_F

ClientSampleId :

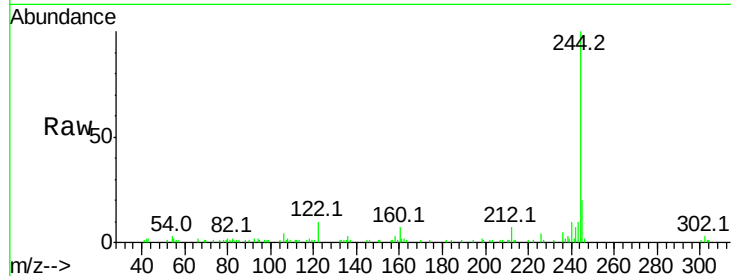
Tot Ion:244 Resp: 40940

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

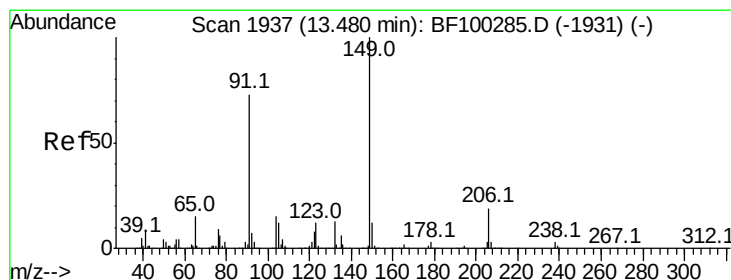
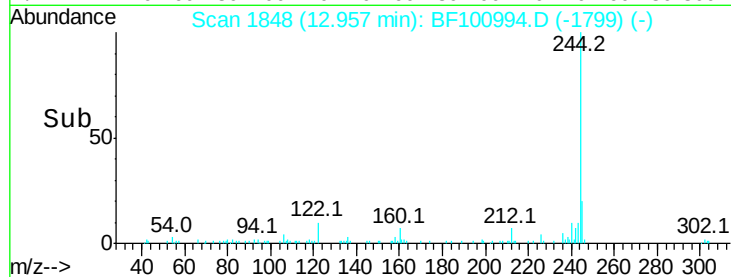
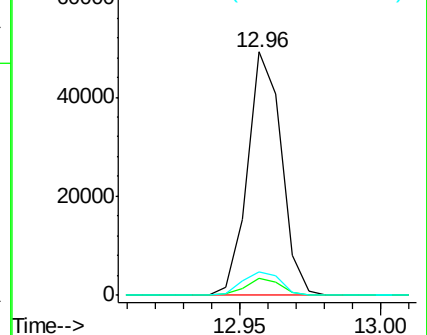
122 9.6 11.0 16.4#



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



#79

Butylbenzylphthalate

Concen: 2.923 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

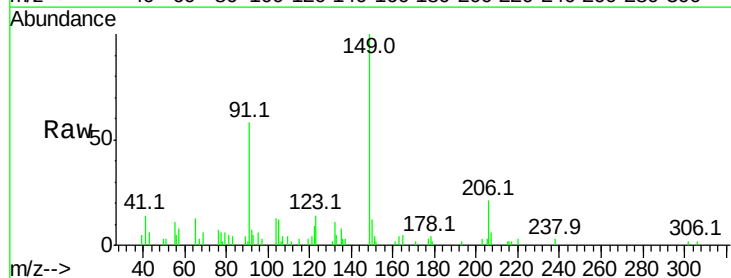
Tgt Ion:149 Resp: 12050

Ion Ratio Lower Upper

149 100

91 58.1 56.8 85.2

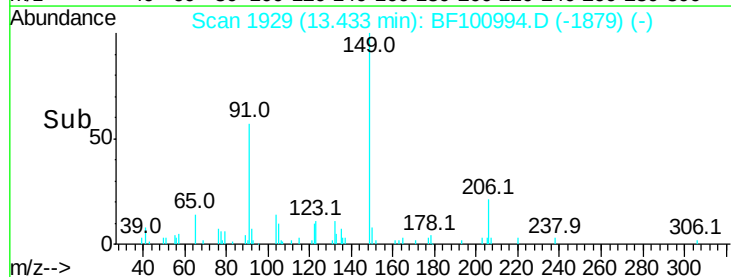
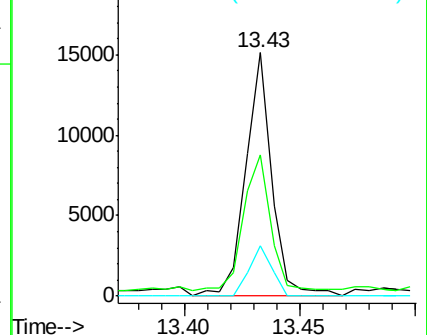
206 20.5 14.1 21.1

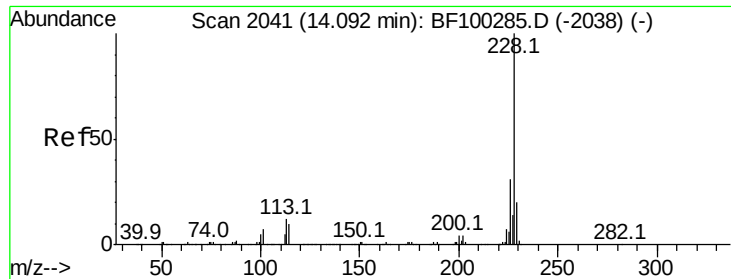


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#82

Chrysene

Concen: 2.028 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.05 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

Instrument :

BNA_F

ClientSampleId :

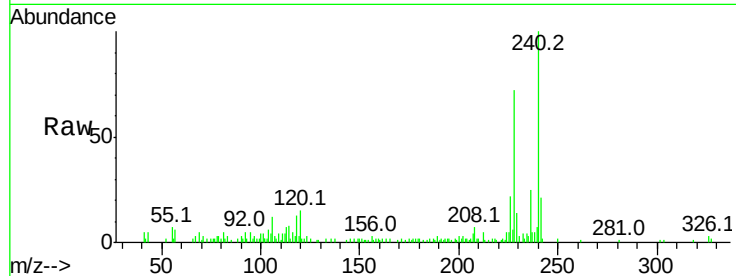
Tot Ion:228 Resp: 16771

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

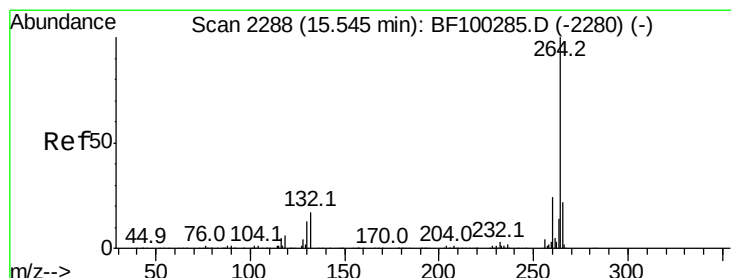
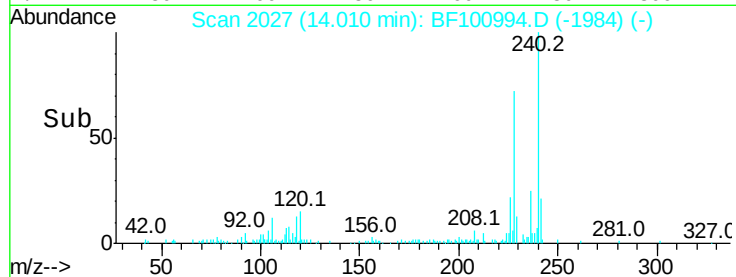
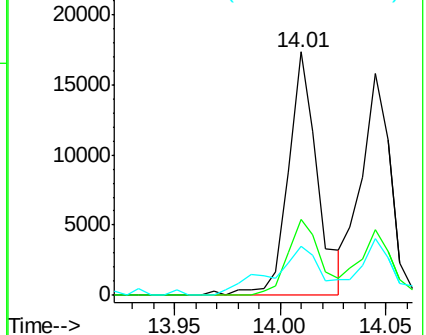
229 20.0 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

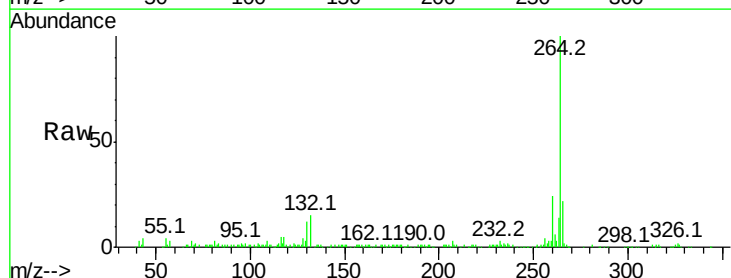
Tgt Ion:264 Resp: 107916

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

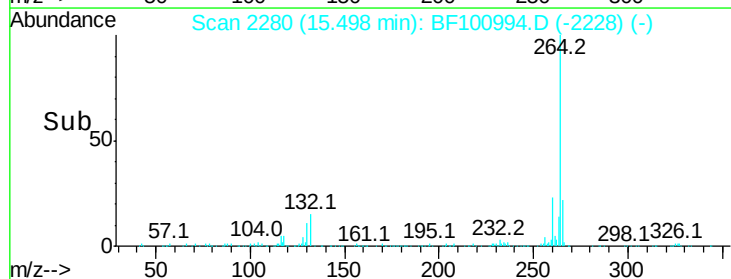
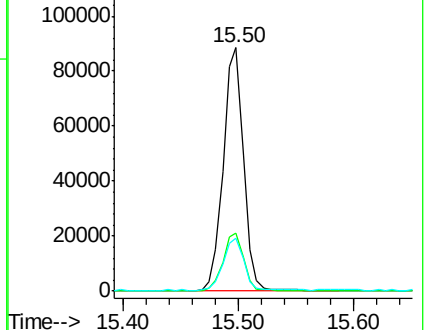
265 21.9 17.5 26.3

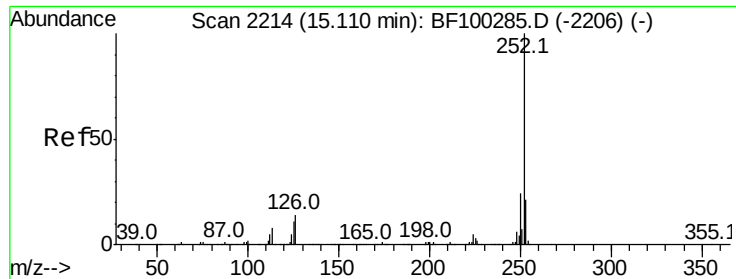


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

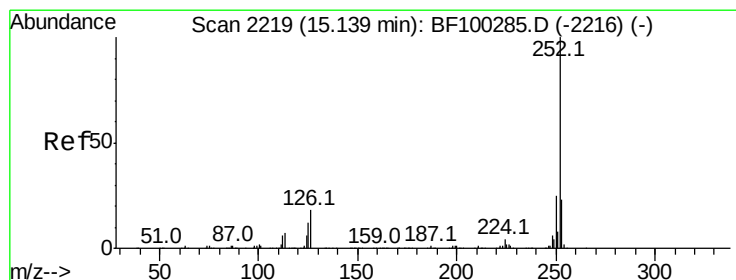
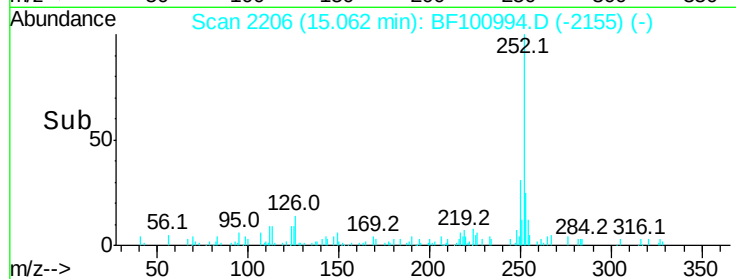
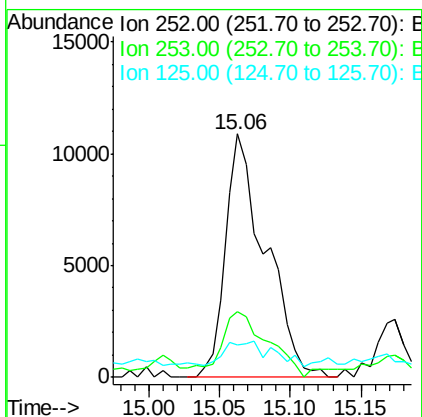
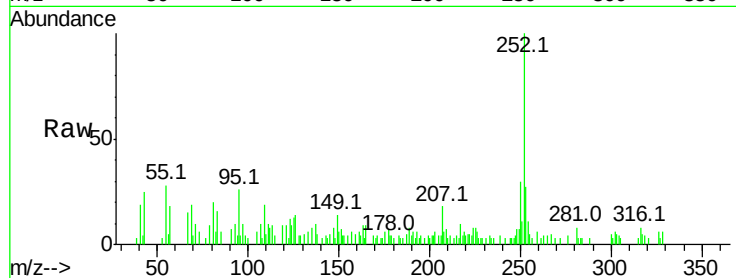




#87
Benzo(b)fluoranthene
Concen: 3.355 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF100994.D
Acq: 29 Nov 2017 22:32

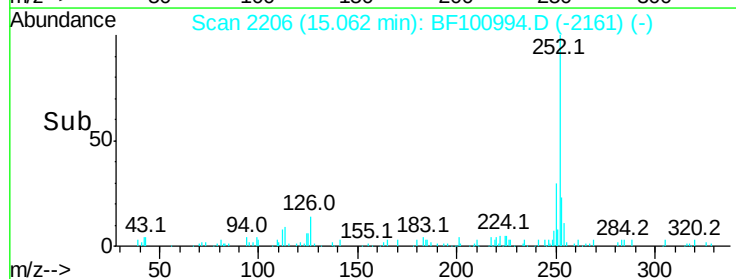
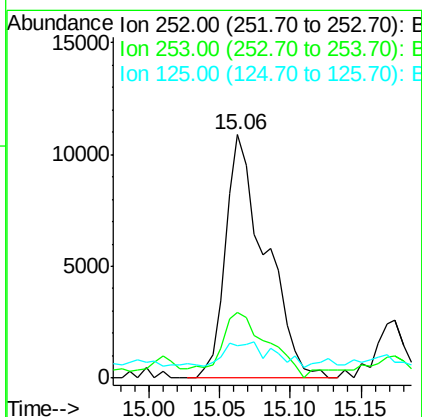
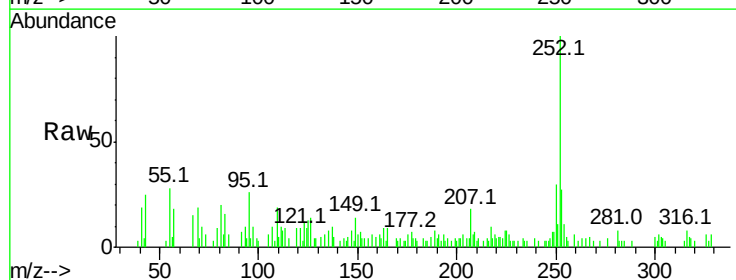
Instrument :
BNA_F
ClientSampleId :

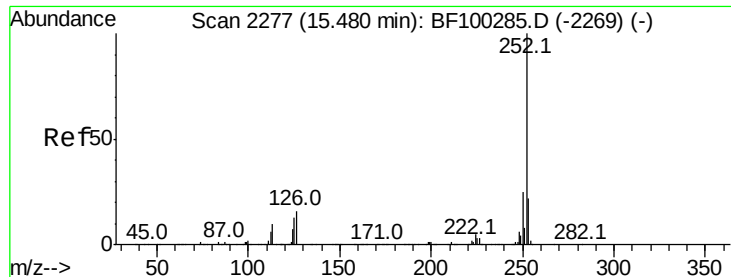
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.0	25.6#
125	13.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 3.550 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF100994.D
Acq: 29 Nov 2017 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.9	26.9#
125	13.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.027 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF100994.D

Acq: 29 Nov 2017 22:32

Instrument :

BNA_F

ClientSampleId :

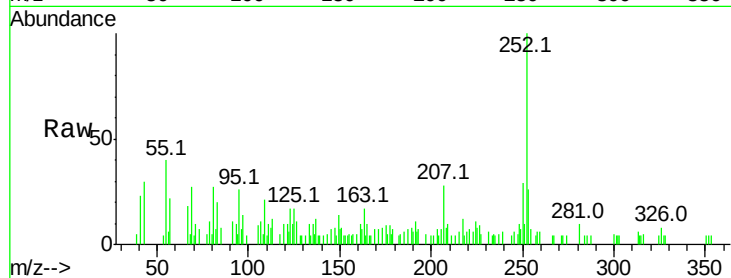
Tot Ion:252 Resp: 11491

Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

125 16.6 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

