

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100958.D
 Acq On : 29 Nov 2017 3:03
 Operator : SJ/JU
 Sample : I6579-11
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 04:48:55 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	6.86	152	66448	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	243662	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	98988	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	164807	20.00	ng	0.00
75) Chrysene-d12	14.02	240	155421	20.00	ng	0.00
86) Perylene-d12	15.50	264	118882	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	488015	117.73	ng	0.01
7) Phenol-d6	6.49	99	589024	115.23	ng	0.00
23) Nitrobenzene-d5	7.42	82	338789	91.92	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	122826	121.77	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	524531	80.69	ng	0.00
78) Terphenyl-d14	12.97	244	404319	59.77	ng	0.00

Target Compounds

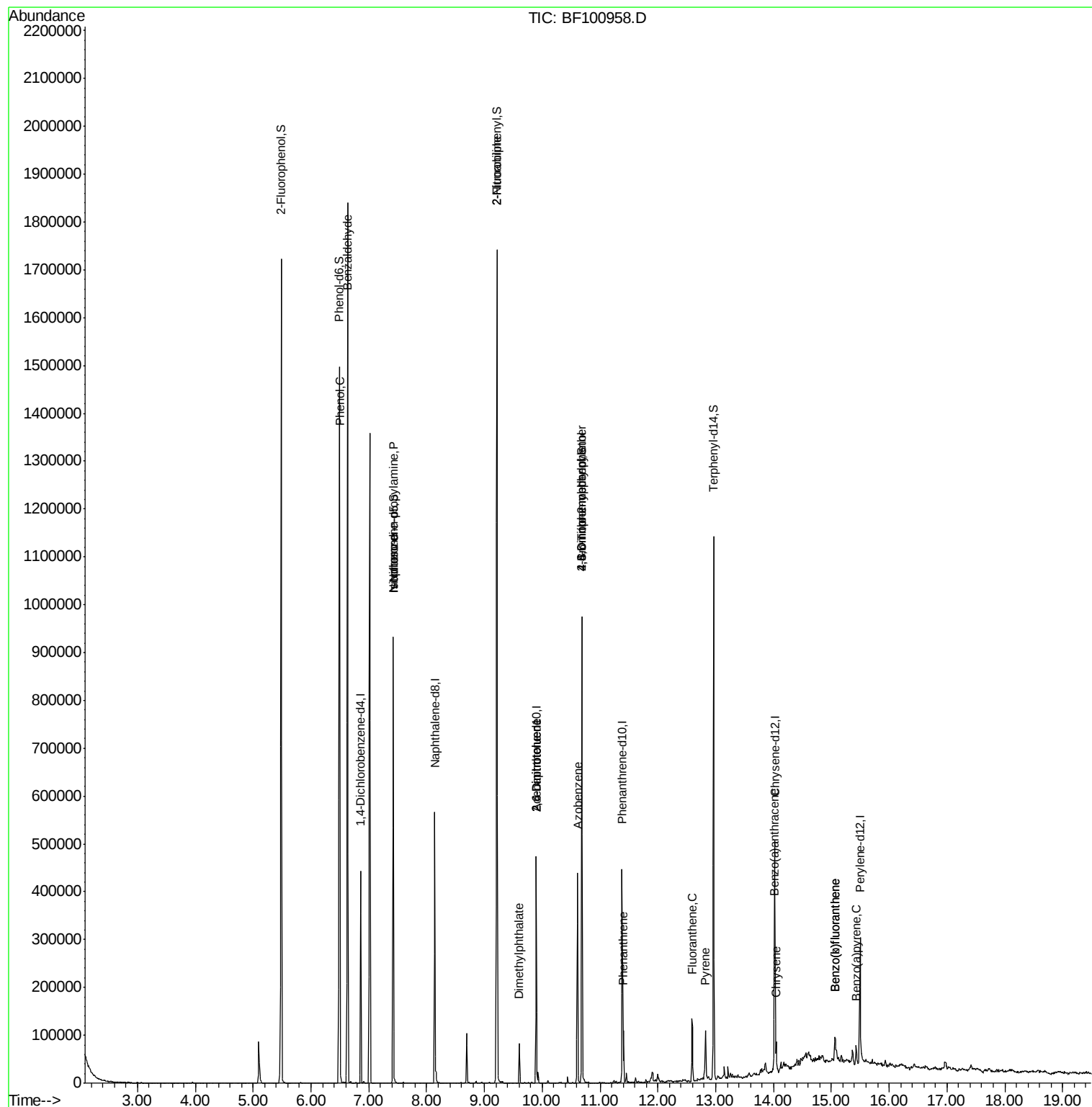
						Qvalue
9) Benzaldehyde	6.63	77	10468	2.868	ng	87
10) Phenol	6.50	94	15225	2.837	ng	89
19) n-Nitroso-di-n-propylamine	7.42	70	42244	11.917	ng	# 81
25) Isophorone	7.42	82	338785	43.743	ng	# 64
47) 2-Nitroaniline	9.22	65	734	3.161	ng	# 1
49) Dimethylphthalate	9.60	163	35800	4.737	ng	98
50) 2,6-Dinitrotoluene	9.89	165	12492	8.350	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	12492	6.619	ng	# 21
62) Azobenzene	10.61	77	70936	9.958	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.69	198	130	8.698	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	7772	4.399	ng	# 1
70) Phenanthrene	11.40	178	40161	4.628	ng	99
74) Fluoranthene	12.59	202	53013	5.765	ng	95
77) Pyrene	12.82	202	43419	3.919	ng	98
80) Benzo(a)anthracene	14.01	228	27759	2.966	ng	100
82) Chrysene	14.05	228	25116	2.771	ng	96
87) Benzo(b)fluoranthene	15.06	252	38216	5.426	ng	97
88) Benzo(k)fluoranthene	15.06	252	38216	5.743	ng	98
89) Benzo(a)pyrene	15.43	252	18884	3.024	ng	98

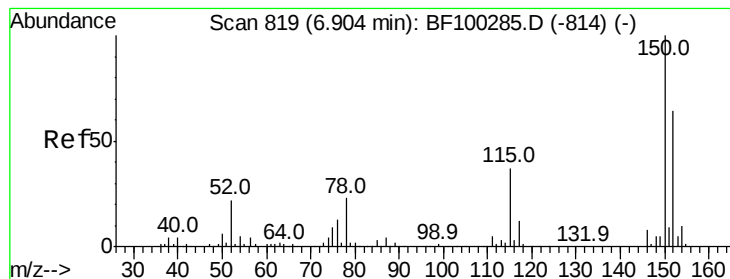
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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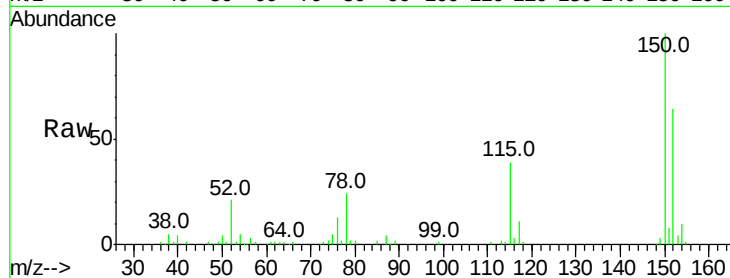


#1

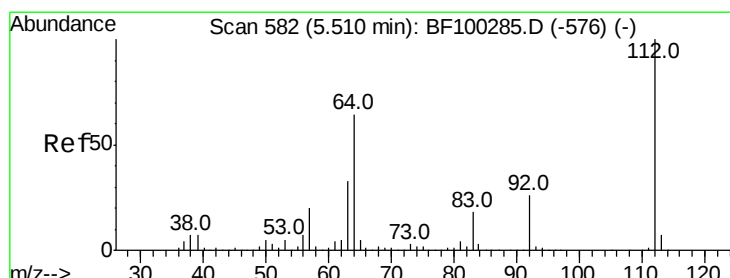
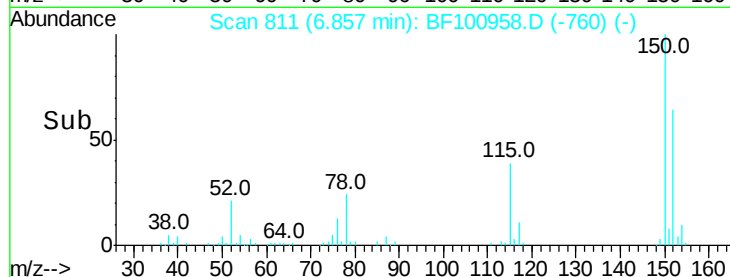
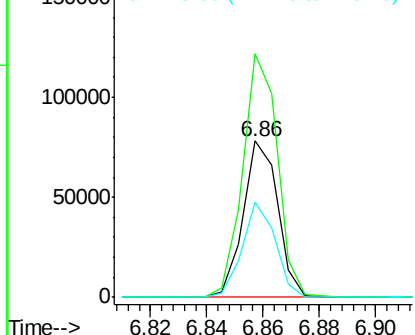
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66448
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 60.7 50.1 75.1



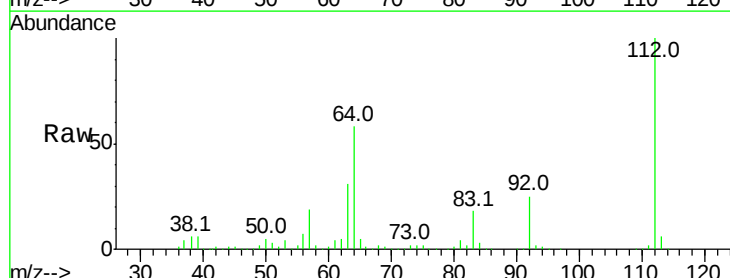
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



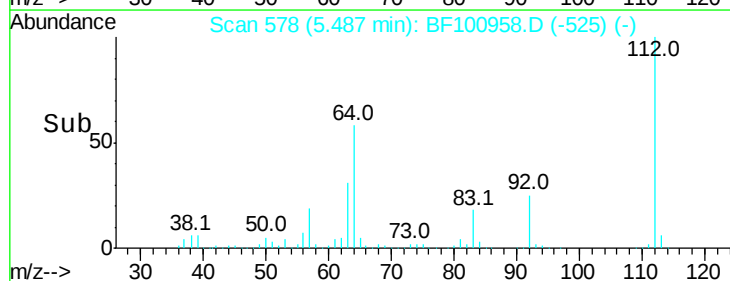
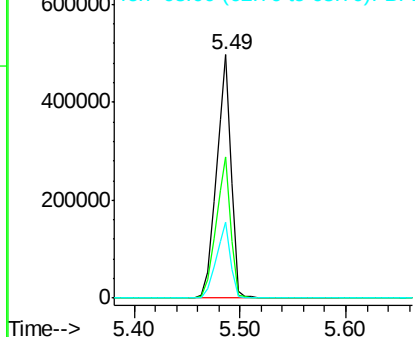
#5

2-Fluorophenol
Concen: 117.728 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

Tgt Ion:112 Resp: 488015
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 31.3 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: 115.232 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

Instrument :

BNA_F

ClientSampleId :

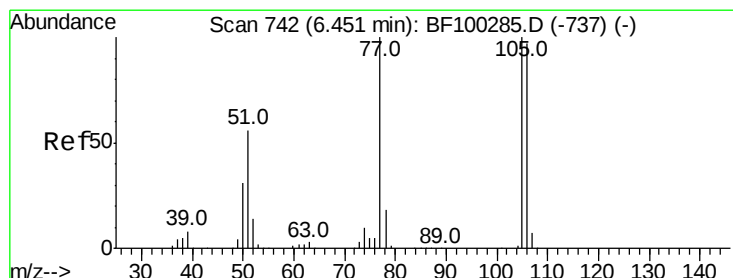
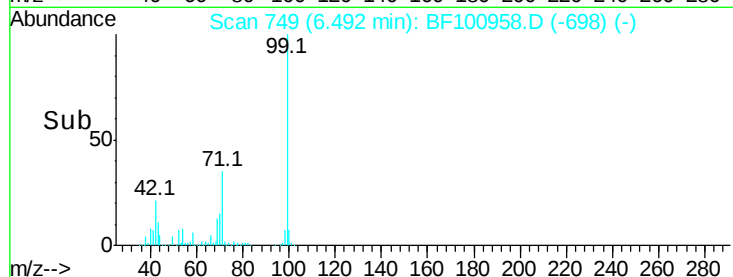
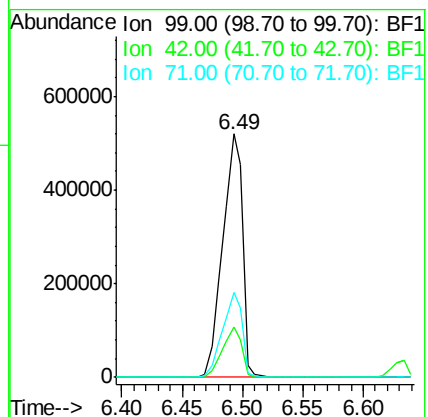
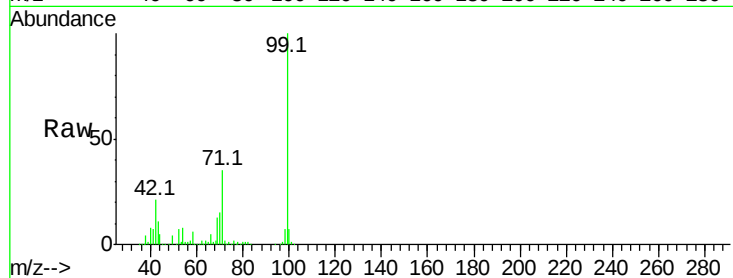
Tot Ion: 99 Resp: 589024

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 34.8 25.4 38.0



#9

Benzaldehyde

Concen: 2.868 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.22 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

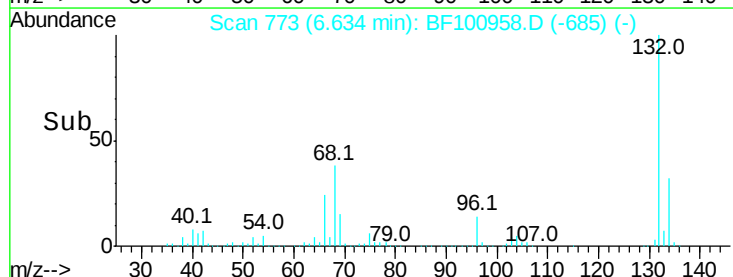
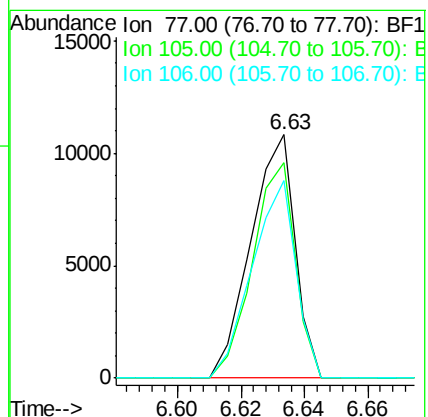
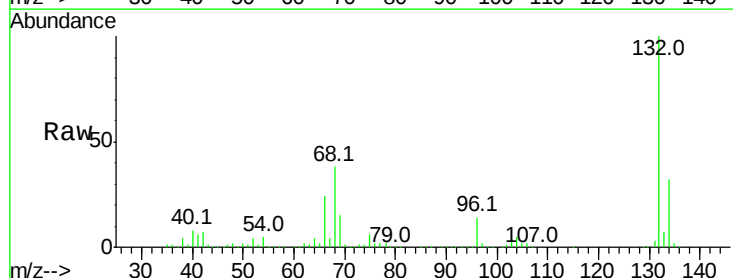
Tgt Ion: 77 Resp: 10468

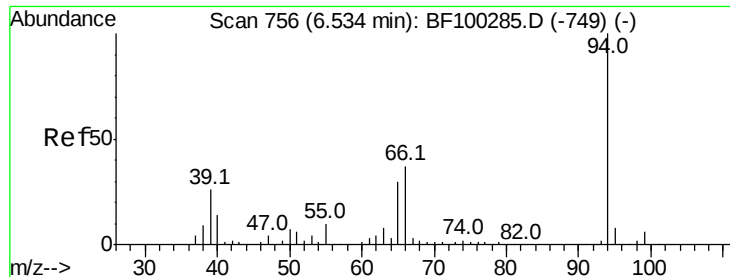
Ion Ratio Lower Upper

77 100

105 88.5 81.1 121.1

106 81.1 74.5 114.5

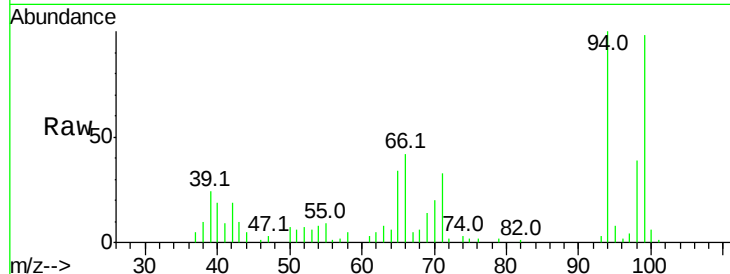




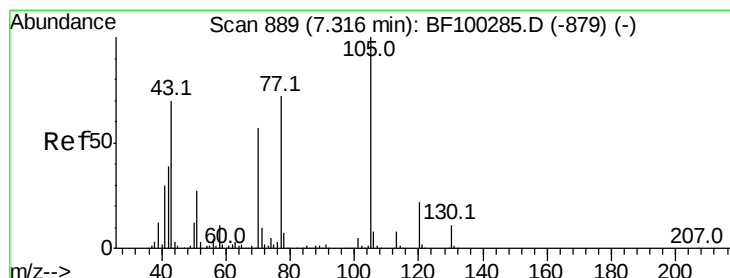
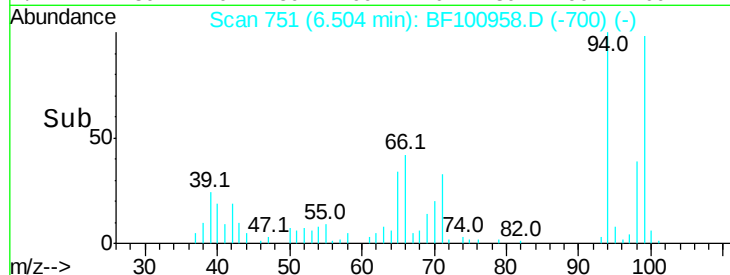
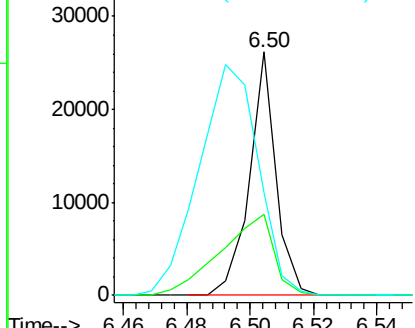
#10
Phenol
Concen: 2.837 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 15225
Ion Ratio Lower Upper
94 100
65 33.5 7.9 47.9
66 42.3 16.2 56.2

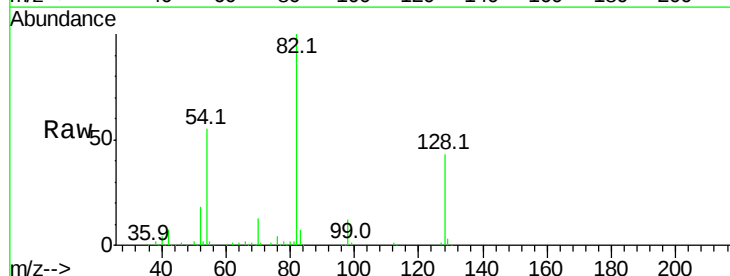


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

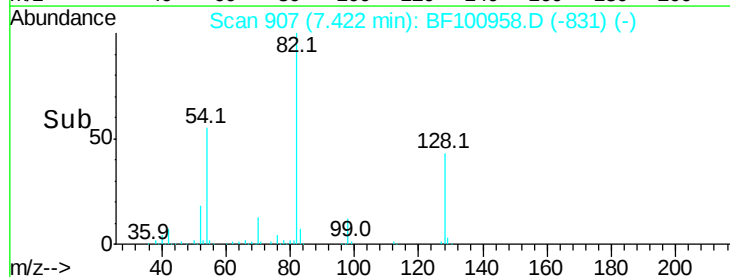
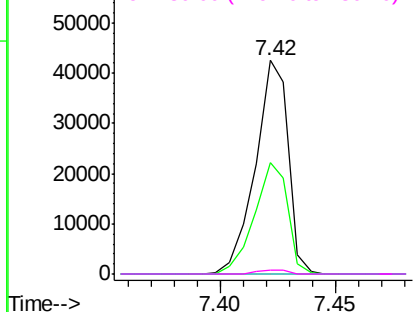


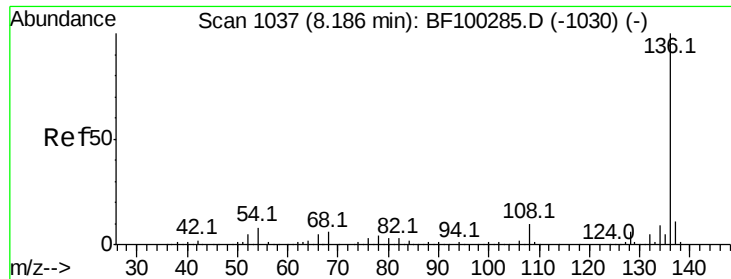
#19
n-Nitroso-di-n-propylamine
Concen: 11.917 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

Tgt Ion: 70 Resp: 42244
Ion Ratio Lower Upper
70 100
42 51.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 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

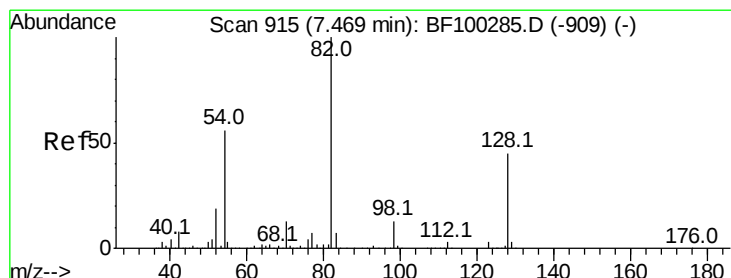
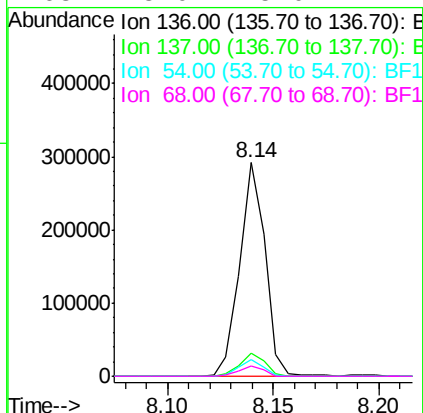
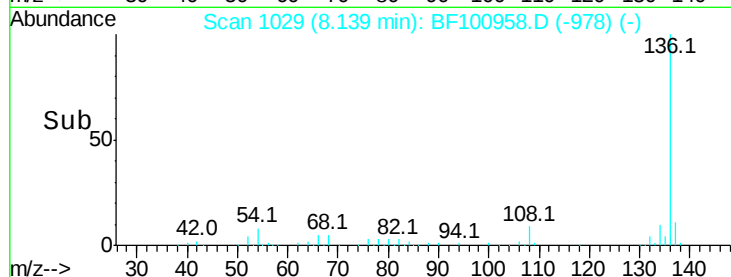
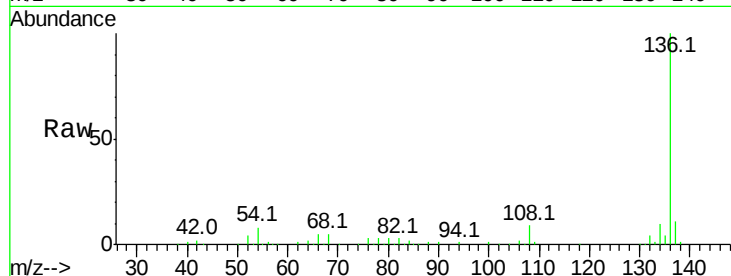




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

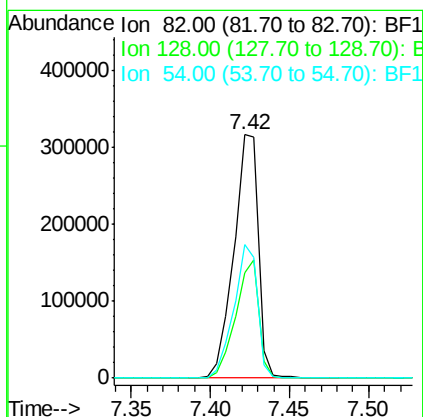
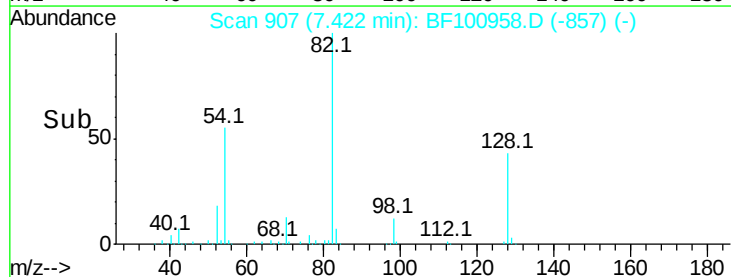
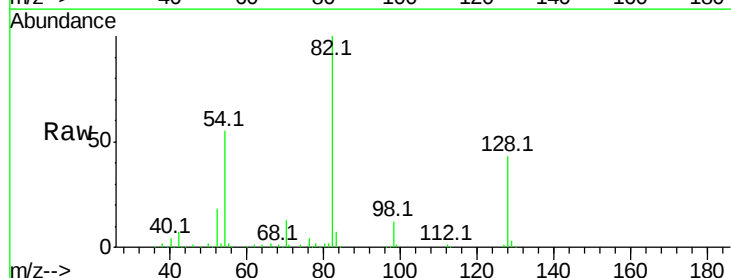
Instrument :
BNA_F
ClientSampleId :

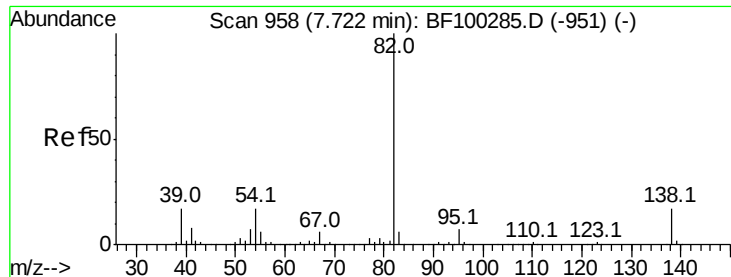
Tot Ion:	136	Resp:	243662
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.7	6.6	9.8
68	5.0	5.0	7.4



#23
Nitrobenzene-d5
Concen: 91.924 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

Tgt Ion:	82	Resp:	338789
Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	54.7	41.4	62.2





#25

Isophorone

Concen: 43.743 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

Instrument :

BNA_F

ClientSampleId :

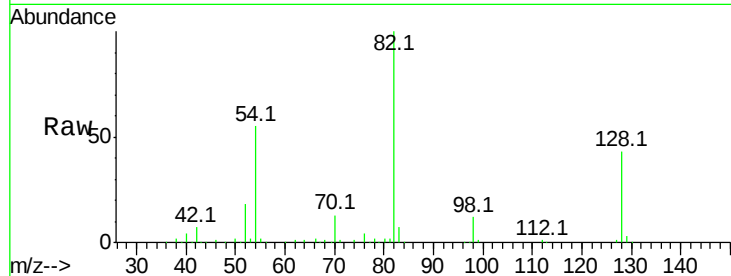
Tot Ion: 82 Resp: 338785

Ion Ratio Lower Upper

82 100

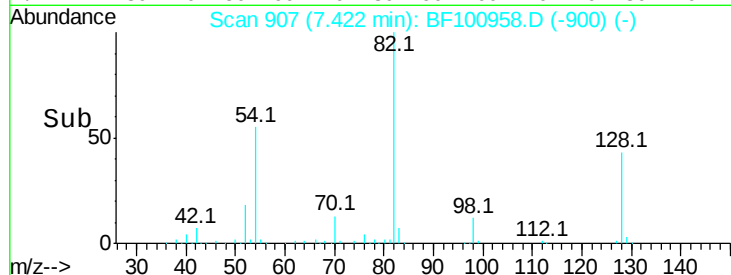
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

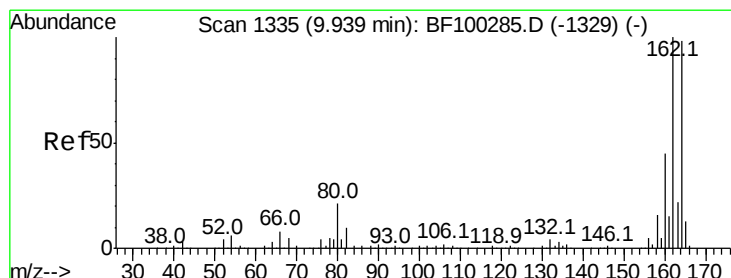


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

7.42



Time--> 7.35 7.40 7.45 7.50



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

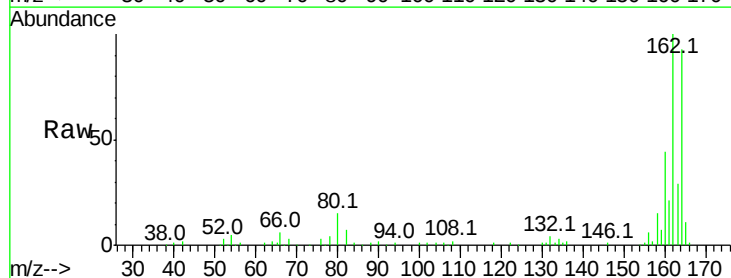
Tgt Ion: 164 Resp: 98988

Ion Ratio Lower Upper

164 100

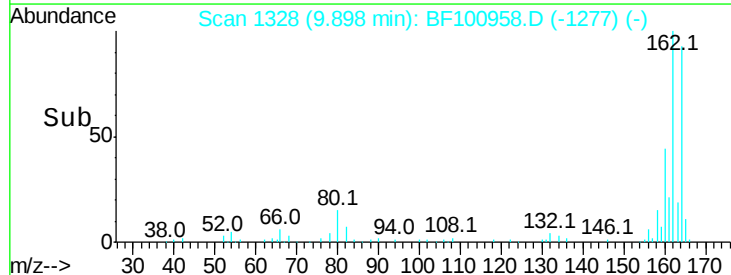
162 108.0 86.1 129.1

160 48.0 38.3 57.5

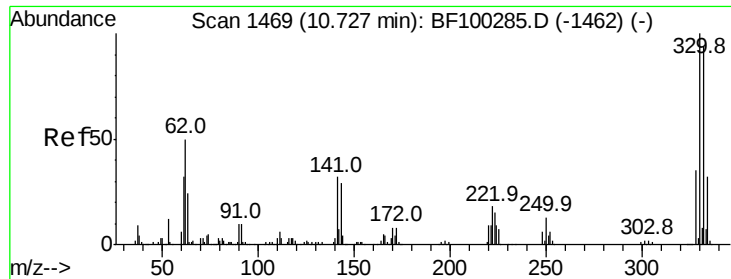


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.90



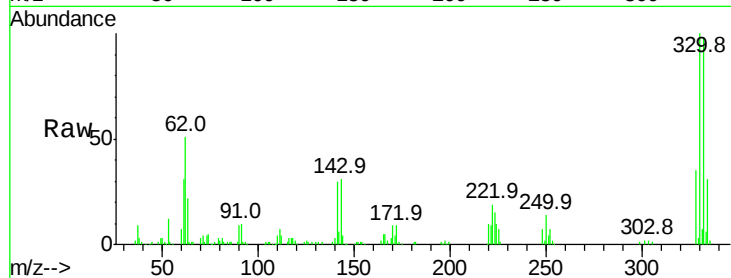
Time--> 9.85 9.90 9.95



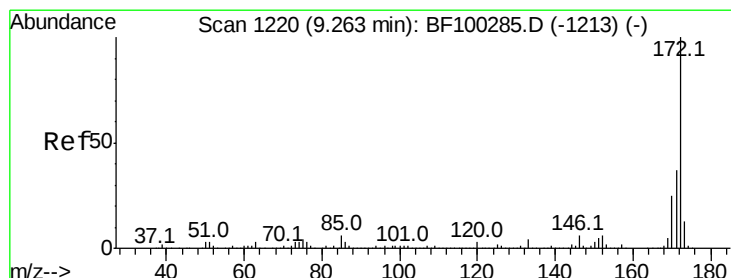
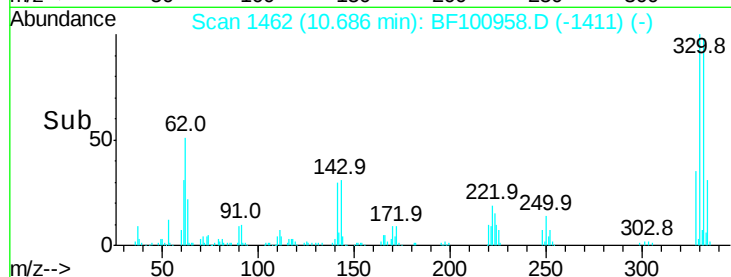
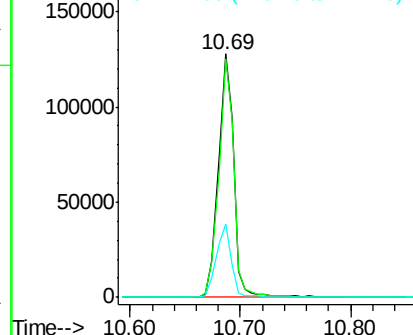
#41
 2,4,6-Tribromophenol
 Concen: 121.768 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: BF100958.D
 Acq: 29 Nov 2017 3:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	29.0	29.9	44.9#

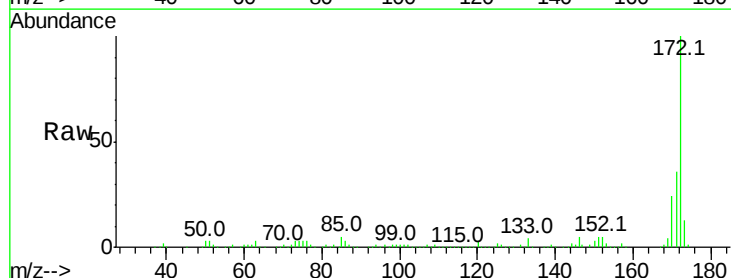


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

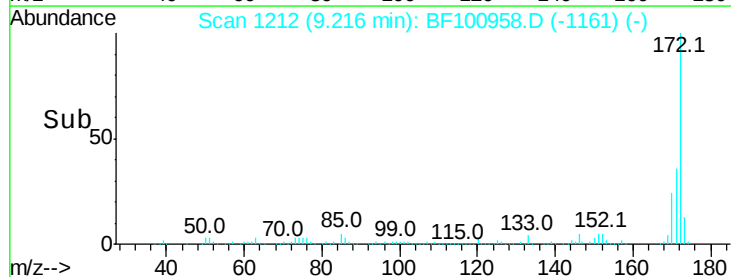
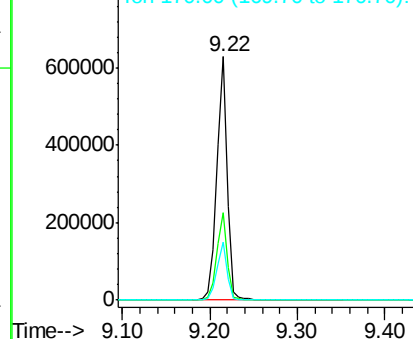


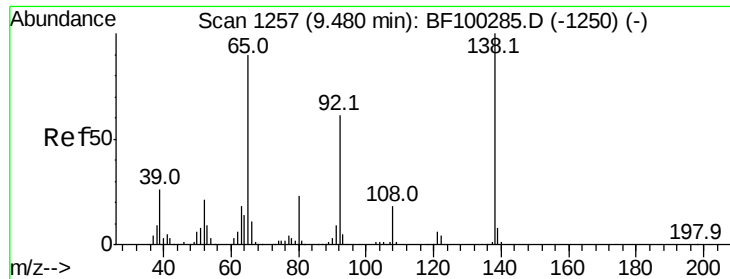
#44
 2-Fluorobiphenyl
 Concen: 80.688 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF100958.D
 Acq: 29 Nov 2017 3:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.6	19.6	29.4



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

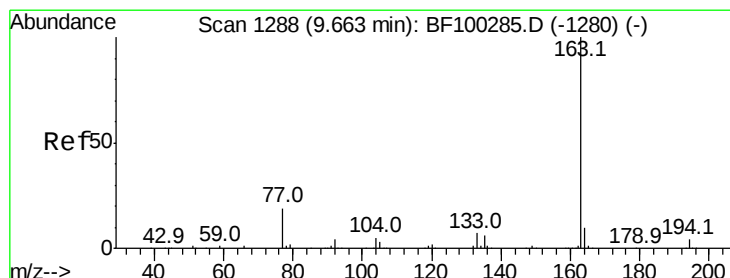
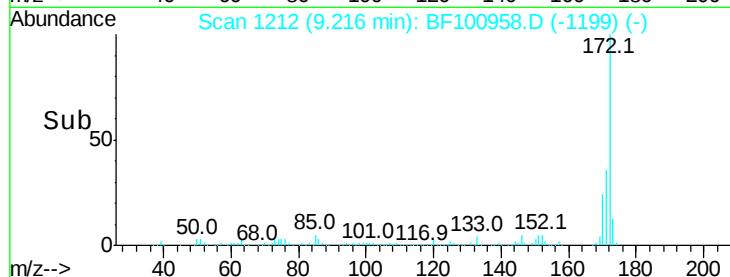
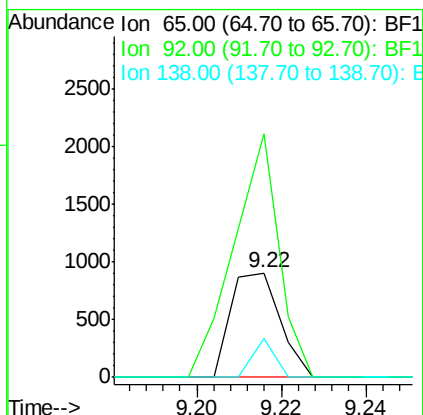
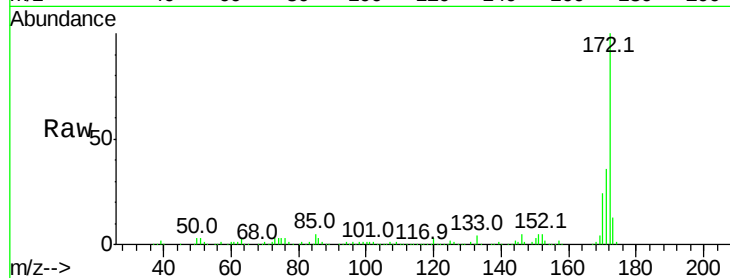




#47
2-Nitroaniline
Concen: 3.161 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.22 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

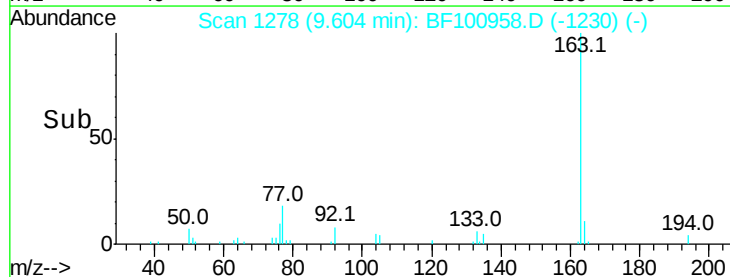
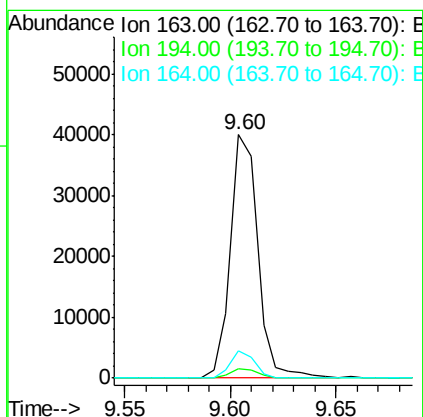
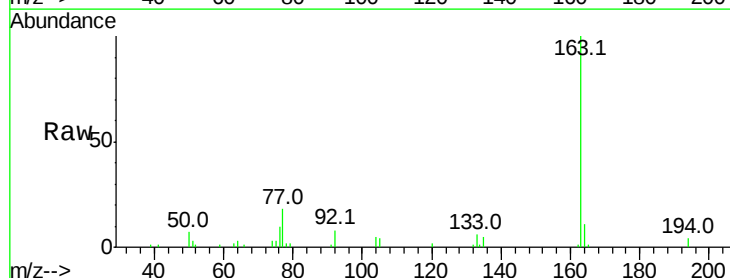
Instrument :
BNA_F
ClientSampled :

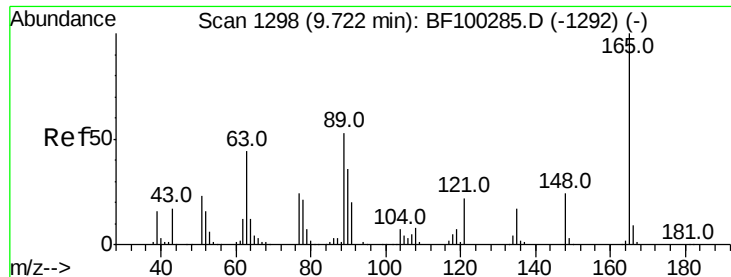
Tot Ion: 65 Resp: 734
Ion Ratio Lower Upper
65 100
92 232.7 55.8 83.6#
138 37.4 91.2 136.8#



#49
Dimethylphthalate
Concen: 4.737 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

Tgt Ion: 163 Resp: 35800
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 11.1 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 8.350 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

Instrument :

BNA_F

ClientSampleId :

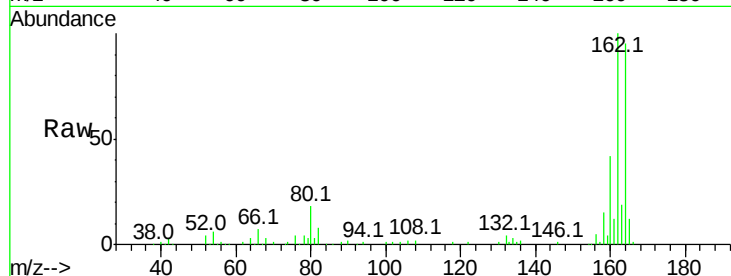
Tot Ion:165 Resp: 12492

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

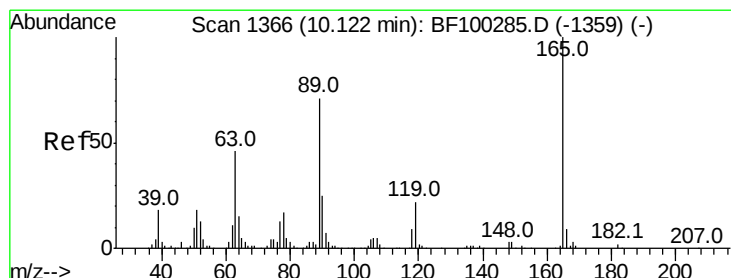
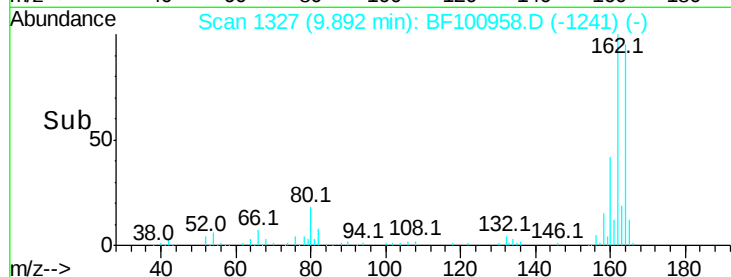
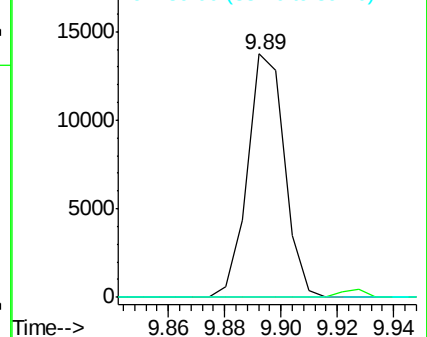
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.619 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

Tgt Ion:165 Resp: 12492

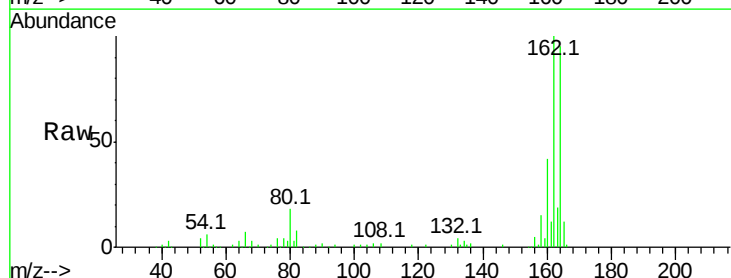
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

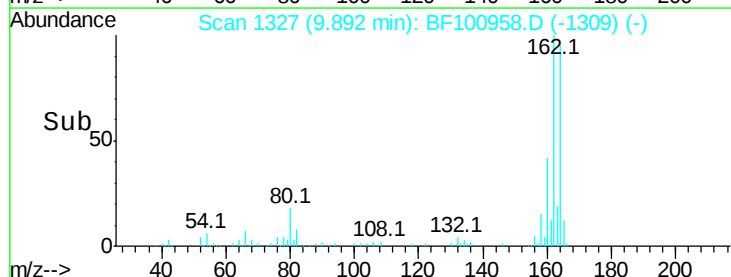
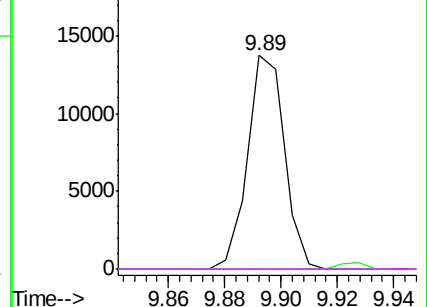


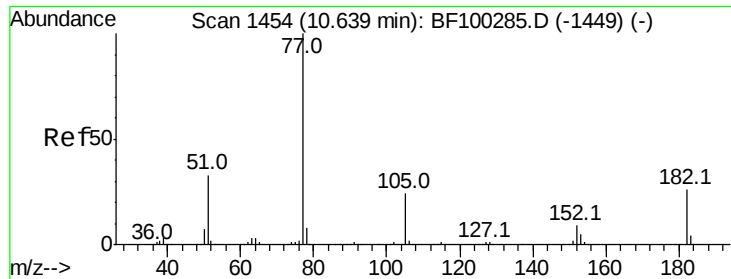
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 9.958 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 70936

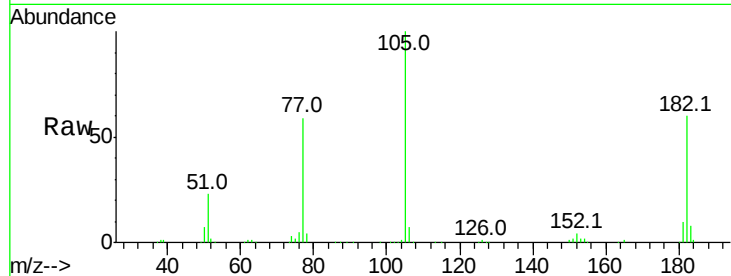
Ion Ratio Lower Upper

77 100

182 101.3 1.7 41.7#

105 168.3 3.0 43.0#

51 39.3 9.9 49.9

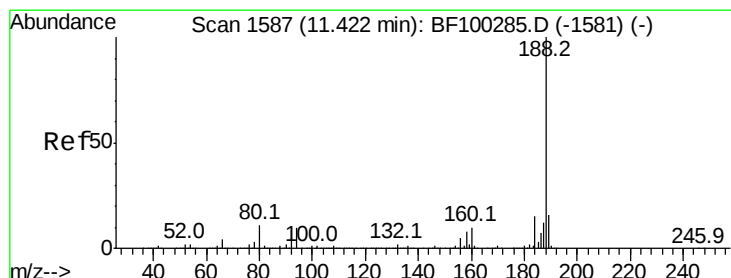
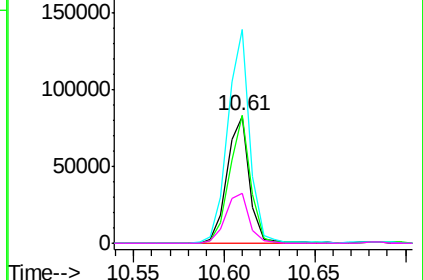
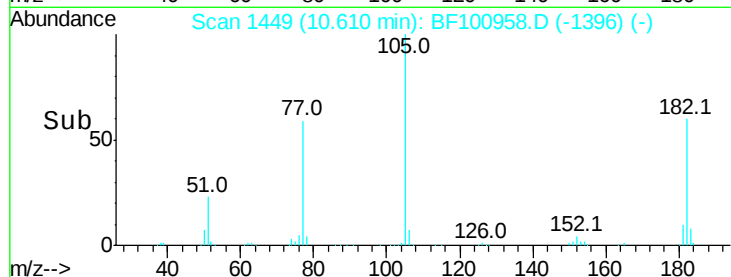


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

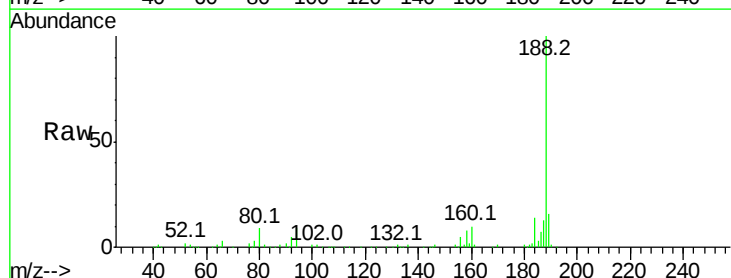
Tgt Ion: 188 Resp: 164807

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

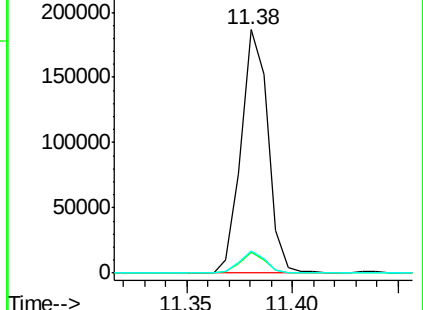
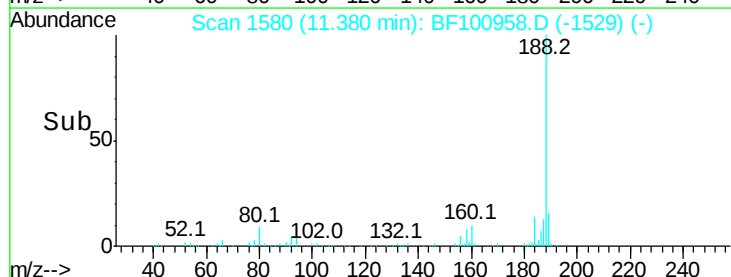
80 9.0 9.2 13.8#

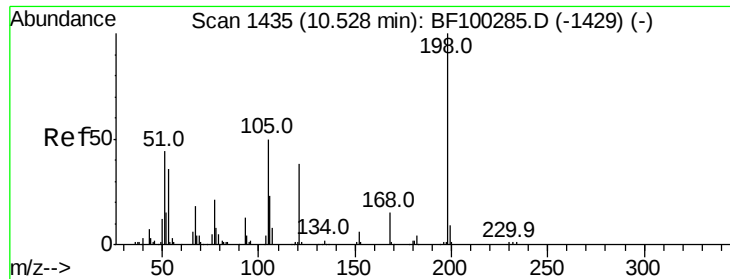


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.698 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.19 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

Instrument :

BNA_F

ClientSampleId :

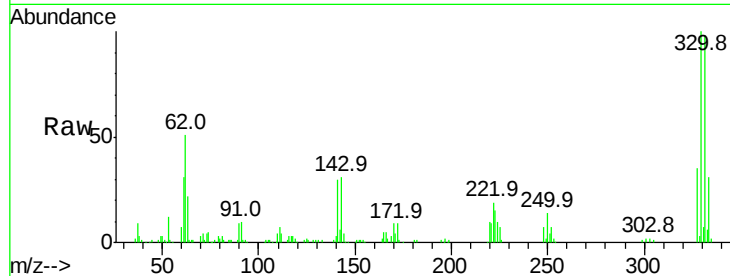
Tot Ion:198 Resp: 130

Ion Ratio Lower Upper

198 100

51 174.7 37.7 77.7#

105 216.1 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

1000

800

600

400

200

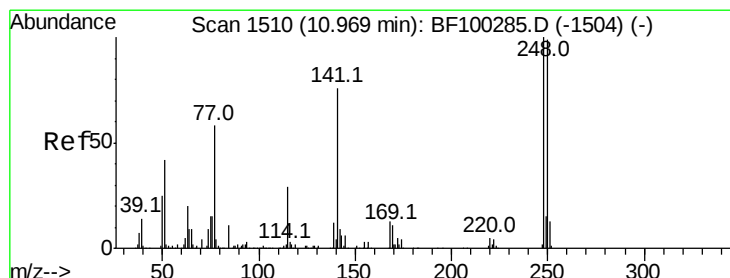
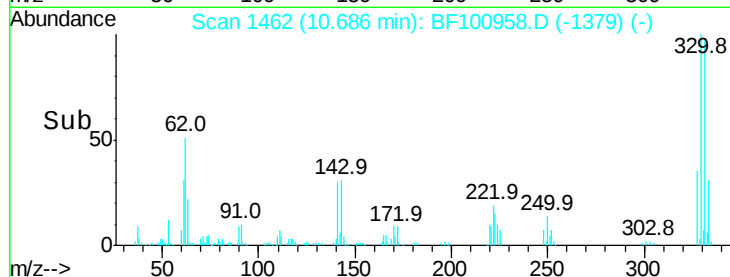
0

10.68

10.69

10.70

Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.399 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.24 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

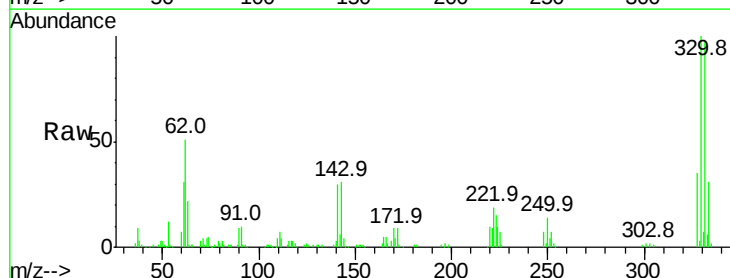
Tgt Ion:248 Resp: 7772

Ion Ratio Lower Upper

248 100

250 197.3 76.9 115.3#

141 435.9 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

50000

40000

30000

20000

10000

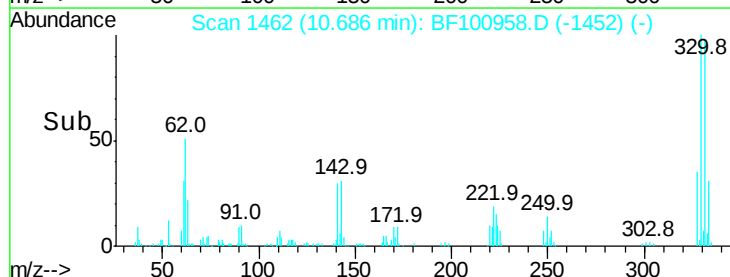
0

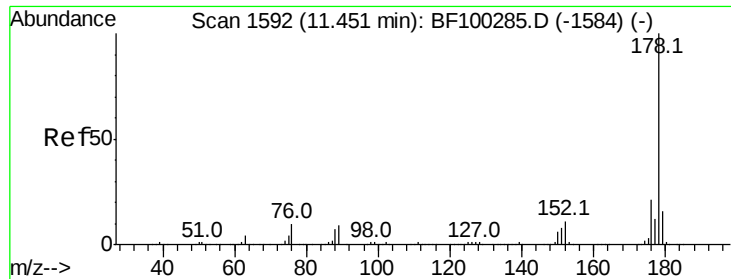
10.65

10.69

10.70

Time-->

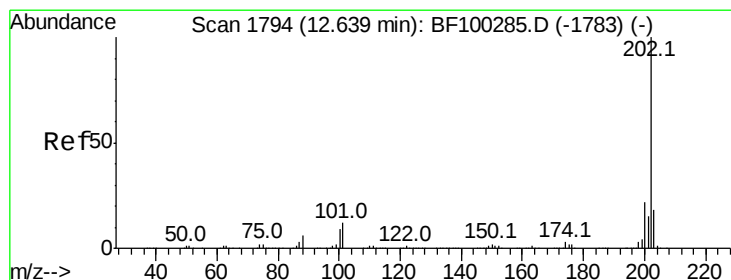
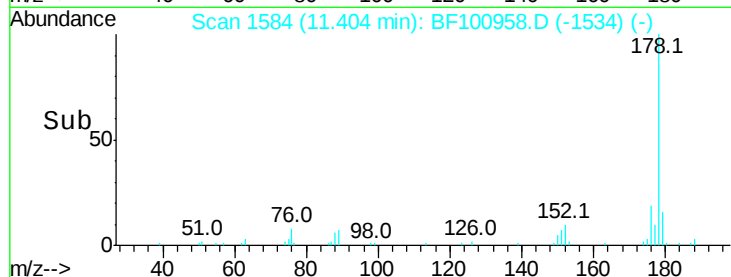
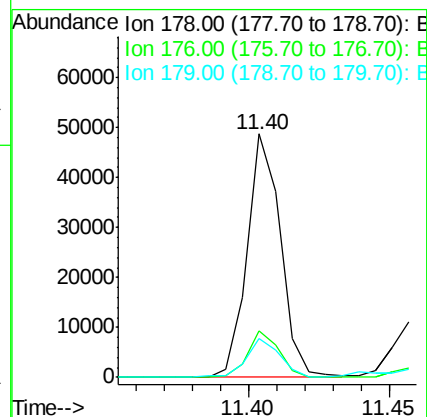
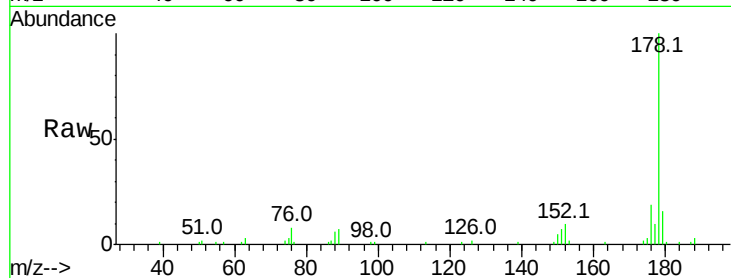




#70
Phenanthrene
Concen: 4.628 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

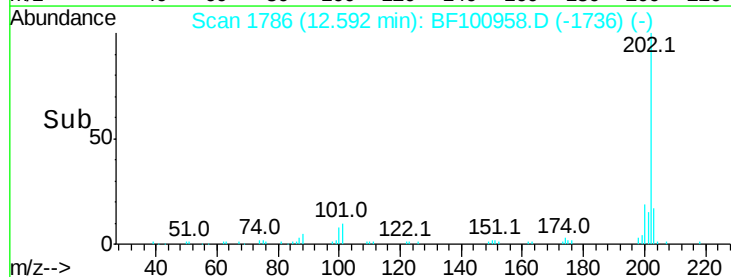
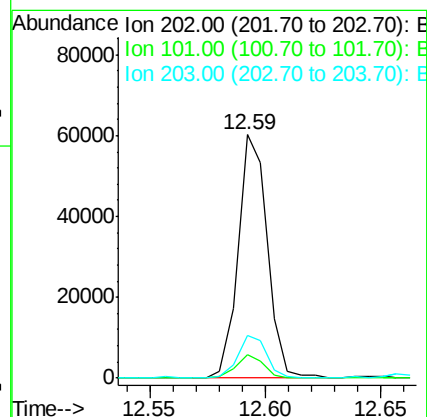
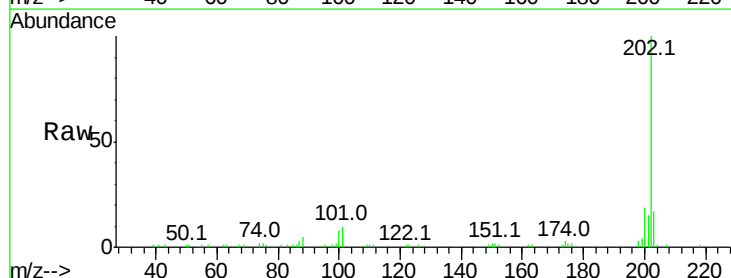
Instrument :
BNA_F
ClientSampleId :

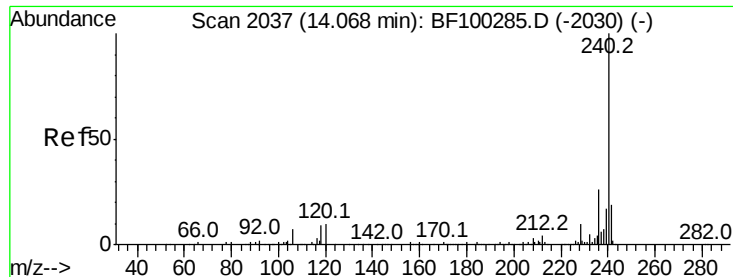
Tot Ion:178 Resp: 40161
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.0 13.0 19.6



#74
Fluoranthene
Concen: 5.765 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

Tgt Ion:202 Resp: 53013
Ion Ratio Lower Upper
202 100
101 9.8 0.0 34.1
203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

Instrument :

BNA_F

ClientSampleId :

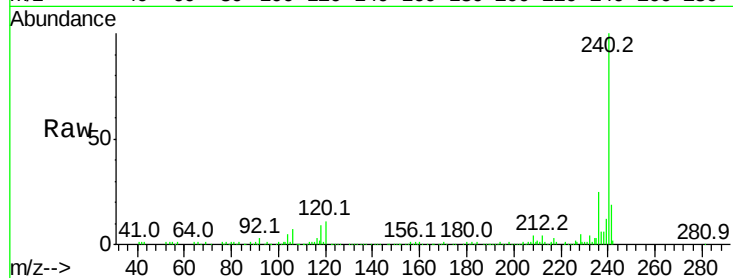
Tot Ion:240 Resp: 155421

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

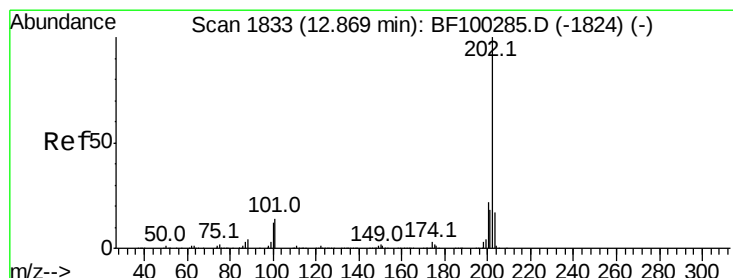
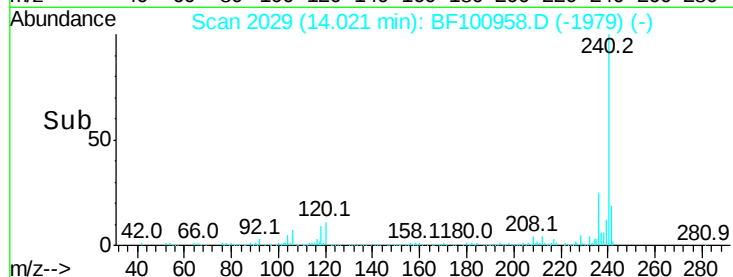
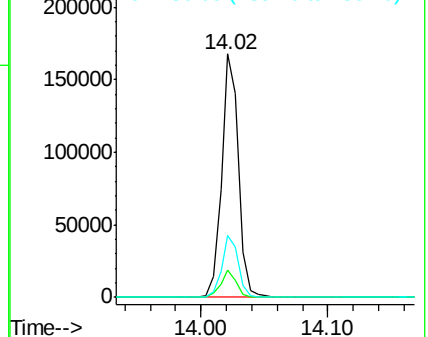
236 25.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.919 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

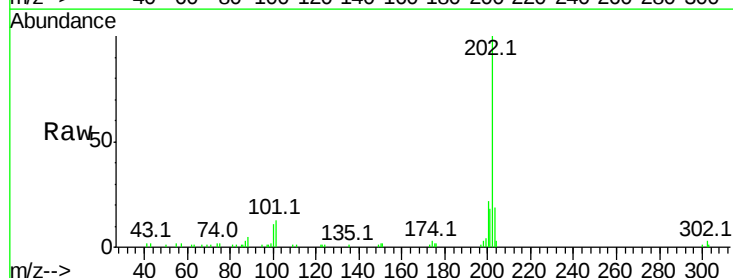
Tgt Ion:202 Resp: 43419

Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

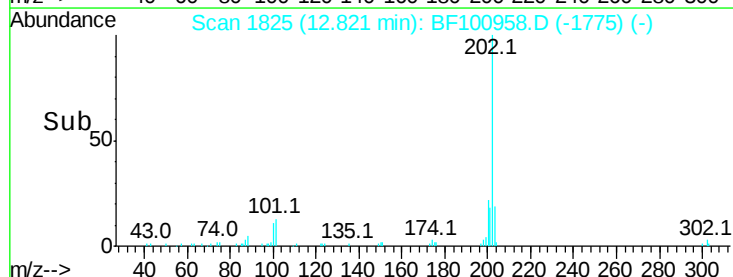
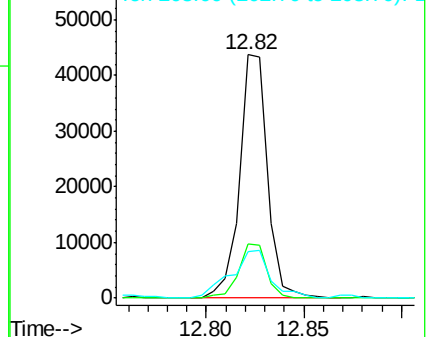
203 19.1 14.3 21.5

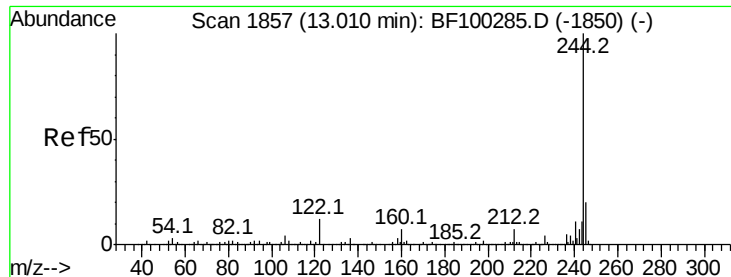


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

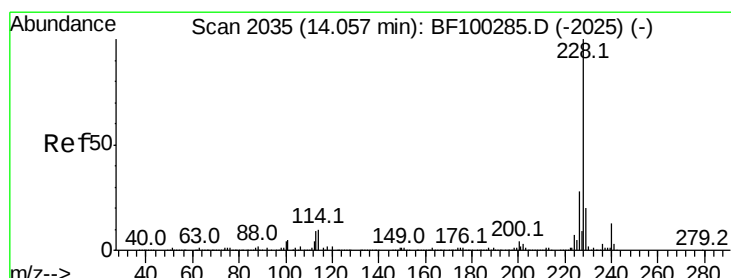
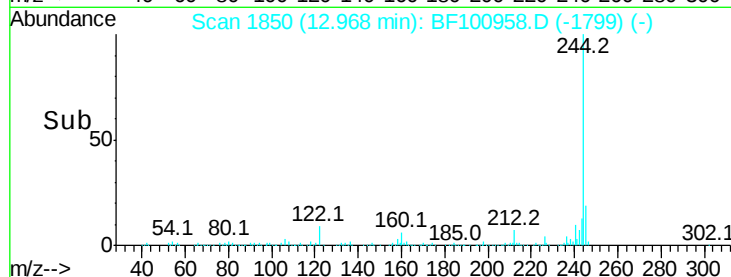
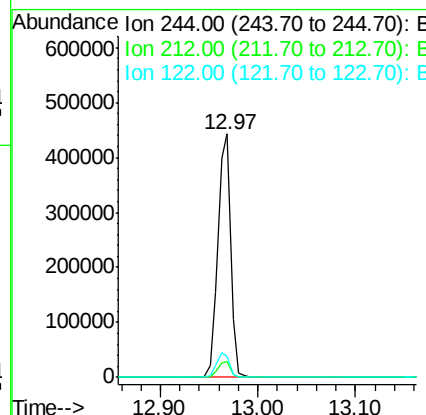
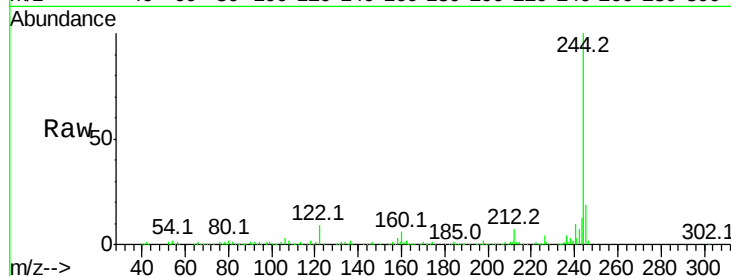




#78
 Terphenyl-d14
 Concen: 59.774 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BF100958.D
 Acq: 29 Nov 2017 3:03

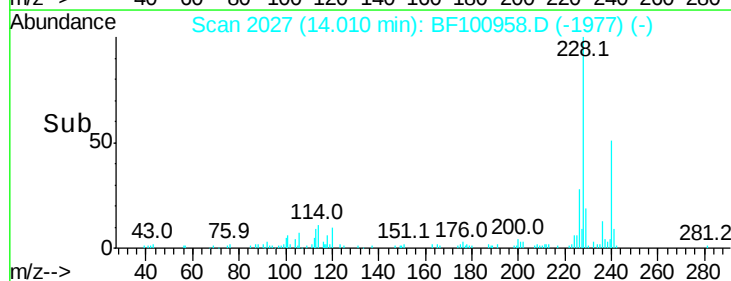
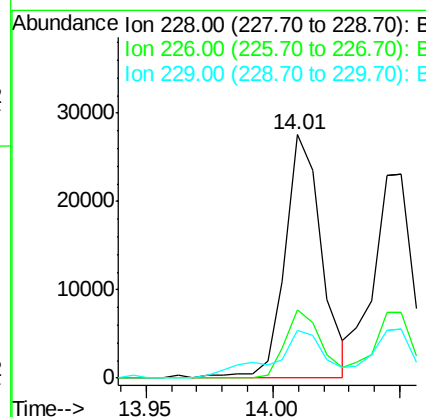
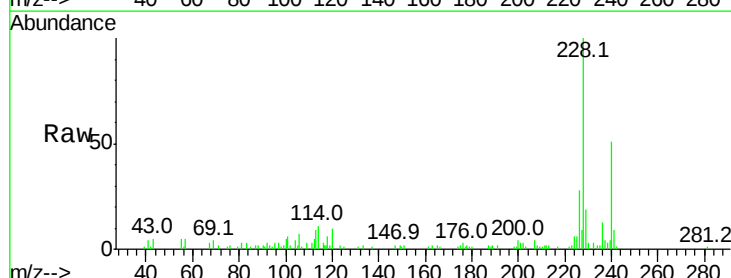
Instrument :
 BNA_F
 ClientSampleId :

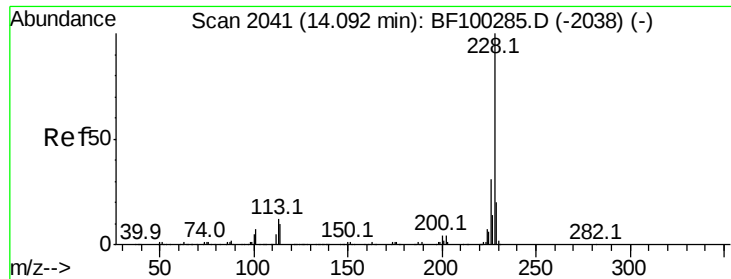
Tot Ion:244 Resp: 404319
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 8.8 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.966 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF100958.D
 Acq: 29 Nov 2017 3:03

Tgt Ion:228 Resp: 27759
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 19.5 15.8 23.6

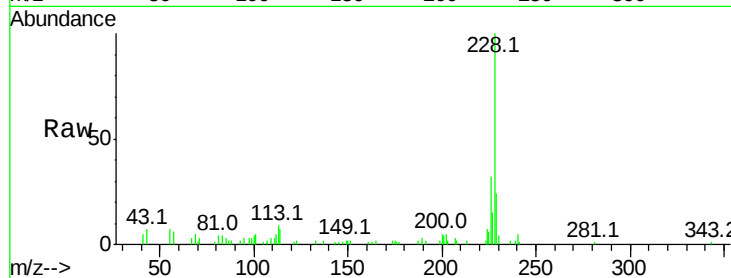




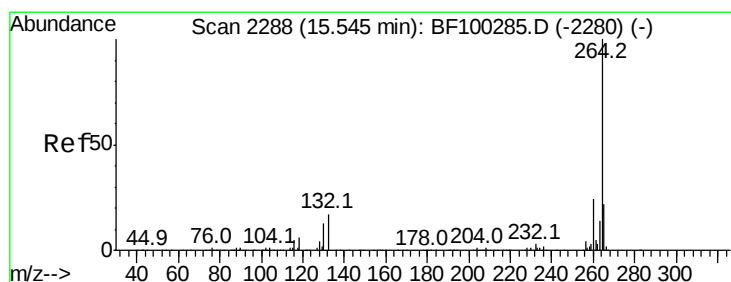
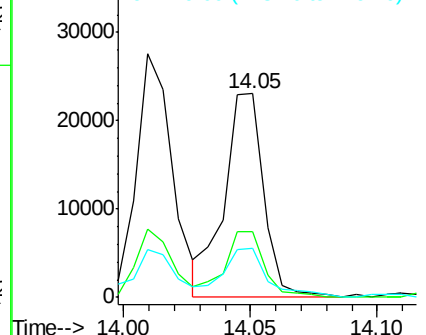
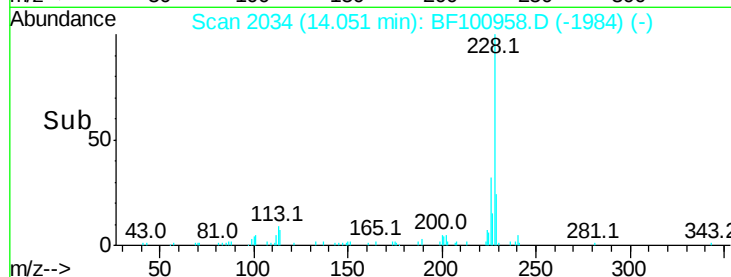
#82
Chrysene
Concen: 2.771 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 25116
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 24.2 16.2 24.4

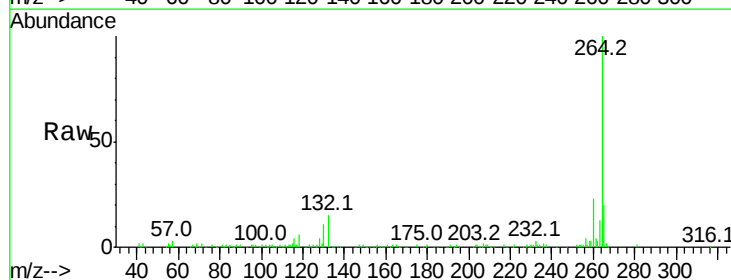


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

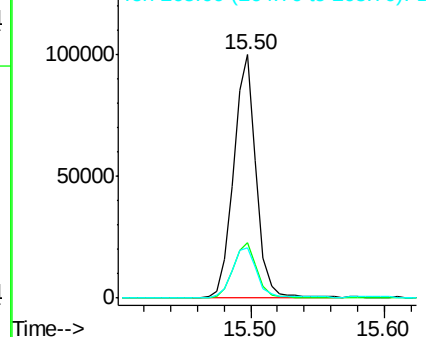
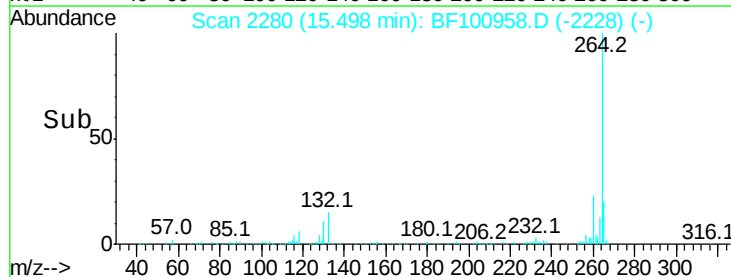


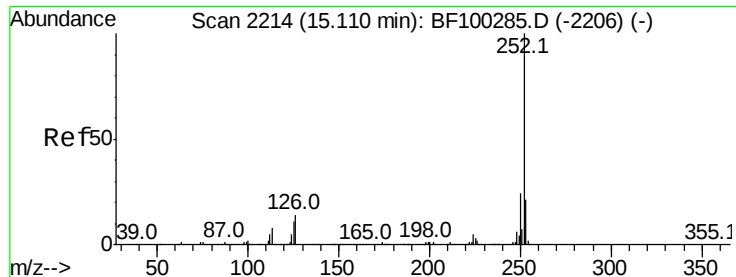
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF100958.D
Acq: 29 Nov 2017 3:03

Tgt Ion:264 Resp: 118882
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 20.4 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: 5.426 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BF100958.D

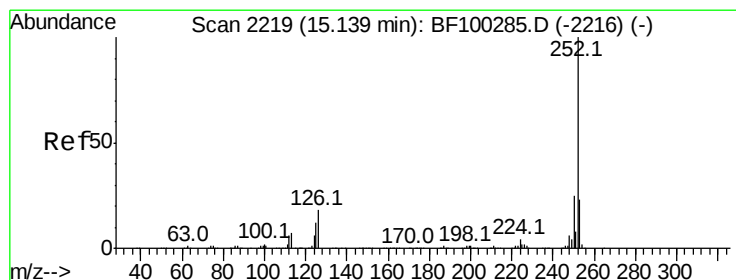
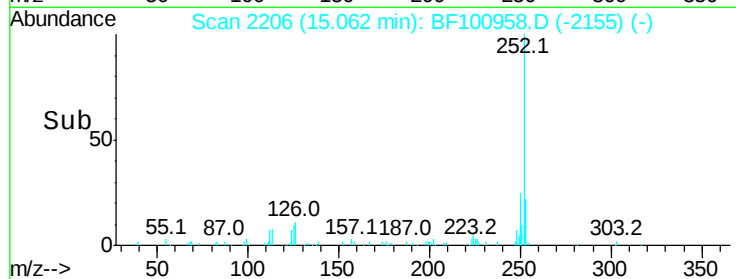
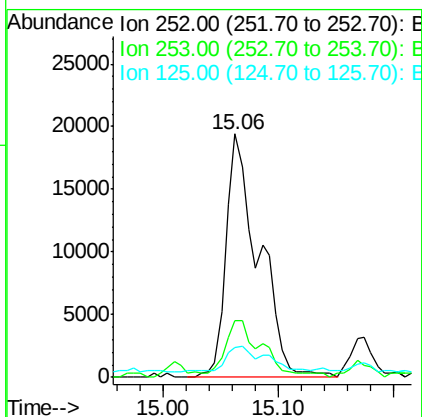
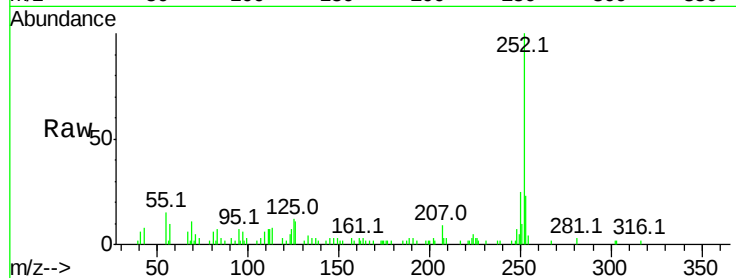
Acq: 29 Nov 2017 3:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	38216
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.0 25.6
125	12.1	9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 5.743 ng

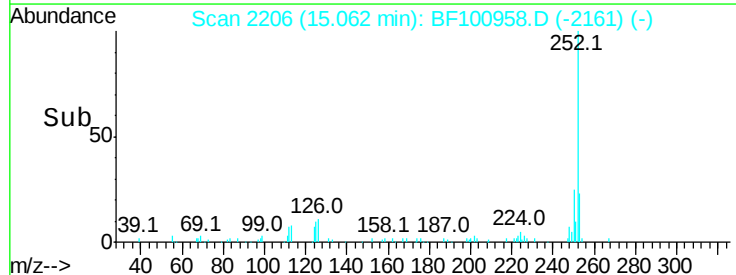
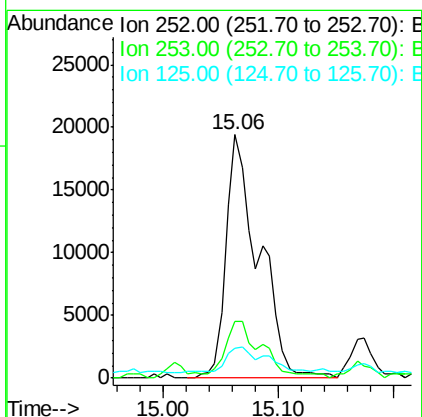
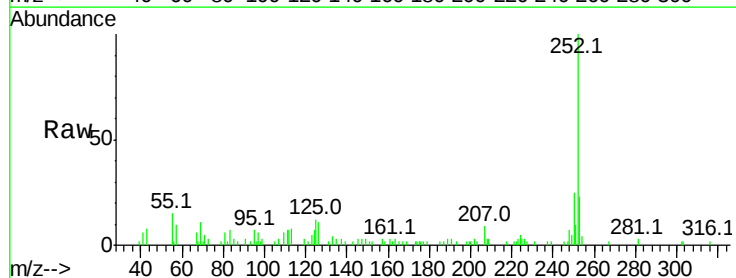
RT: 15.06 min Scan# 2206

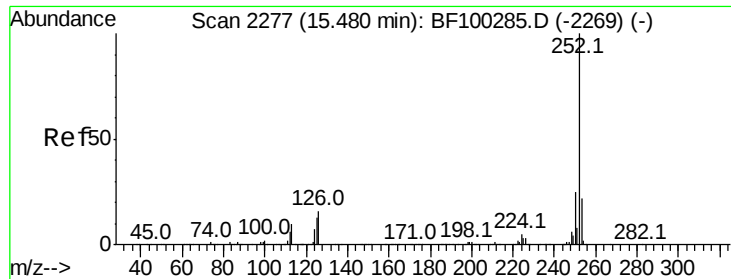
Delta R.T. -0.04 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

Tgt Ion:252	Resp:	38216
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.9 26.9
125	12.1	10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.024 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF100958.D

Acq: 29 Nov 2017 3:03

Instrument :

BNA_F

ClientSampleId :

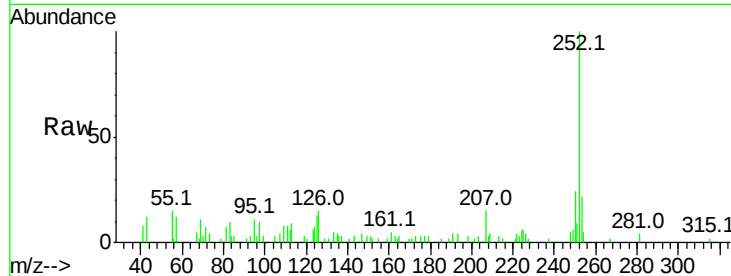
Tot Ion:252 Resp: 18884

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 13.0 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

