

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF101009.D
 Acq On : 30 Nov 2017 6:36
 Operator : SJ/JU
 Sample : I6579-11
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

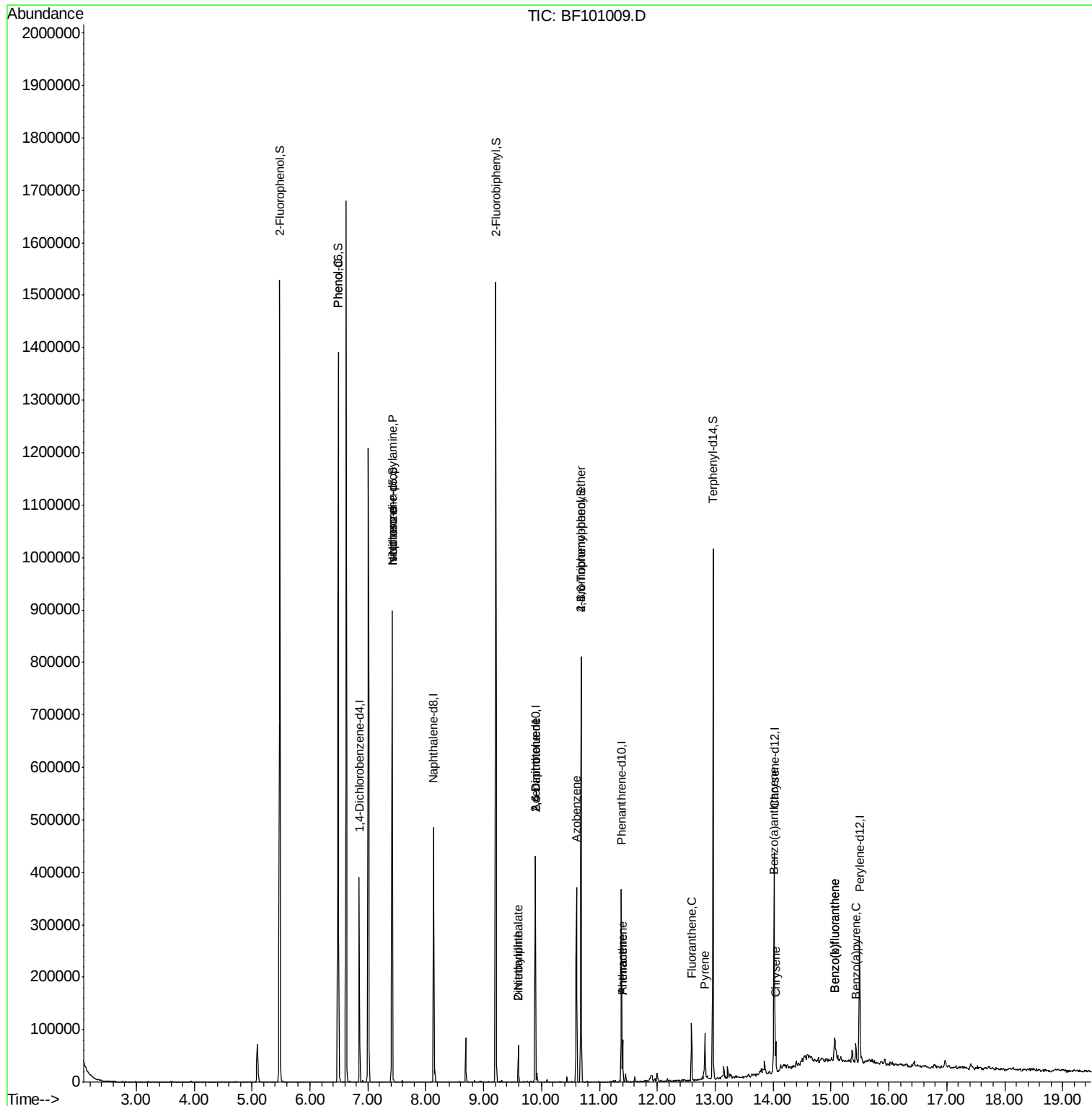
Quant Time: Nov 30 08:13:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	58028	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	215022	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	82466	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	131195	20.00	ng	0.00
75) Chrysene-d12	14.02	240	124103	20.00	ng	0.00
86) Perylene-d12	15.49	264	108929	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	430097	118.81	ng	0.00
7) Phenol-d6	6.49	99	515825	115.55	ng	0.00
23) Nitrobenzene-d5	7.42	82	296177	91.07	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	99283	118.15	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	442683	81.74	ng	0.00
78) Terphenyl-d14	12.96	244	316003	58.51	ng	0.00
Target Compounds						
10) Phenol	6.50	94	13721	2.928	ng	# 71
19) n-Nitroso-di-n-propylamine	7.42	70	38637	12.481	ng	# 79
25) Isophorone	7.42	82	296172	43.335	ng	# 64
47) 2-Nitroaniline	9.60	65	160	2.882	ng	# 1
49) Dimethylphthalate	9.60	163	30533	4.849	ng	98
50) 2,6-Dinitrotoluene	9.89	165	10029	8.047	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	10029	6.379	ng	# 21
62) Azobenzene	10.60	77	57236	9.645	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	6060	4.309	ng	# 1
70) Phenanthrene	11.40	178	31345	4.538	ng	98
71) Anthracene	11.40	178	31345	4.473	ng	99
74) Fluoranthene	12.59	202	41512	5.670	ng	94
77) Pvrene	12.82	202	35167	3.975	ng	99
80) Benzo(a)anthracene	14.01	228	22236	2.975	ng	97
82) Chrysene	14.04	228	20773	2.870	ng	97
87) Benzo(b)fluoranthene	15.06	252	32647	5.059	ng	# 95
88) Benzo(k)fluoranthene	15.06	252	32647	5.354	ng	# 96
89) Benzo(a)pyrene	15.43	252	17133	2.995	ng	# 86

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\  
Data File : BF101009.D  
Acq On    : 30 Nov 2017    6:36  
Operator  : SJ/JU  
Sample    : I6579-11  
Misc      :  
ALS Vial  : 36    Sample Multiplier: 1
```

Quant Time: Nov 30 08:13:02 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



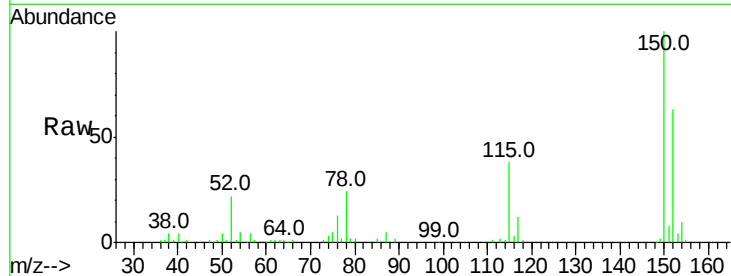


#1

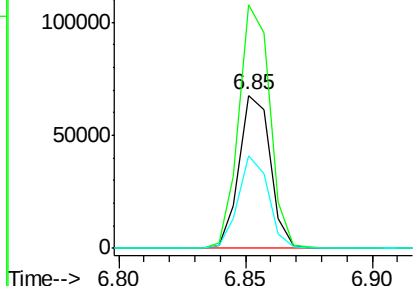
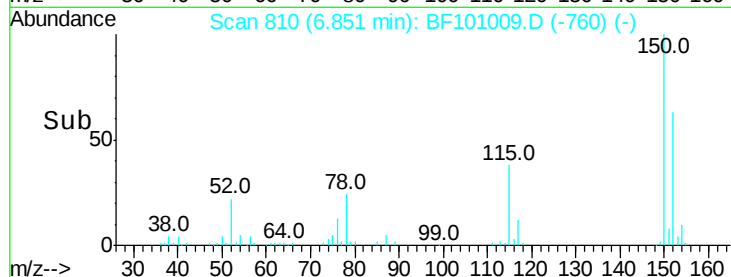
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF101009.D
 Acq: 30 Nov 2017 6:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	60.8	50.1	75.1



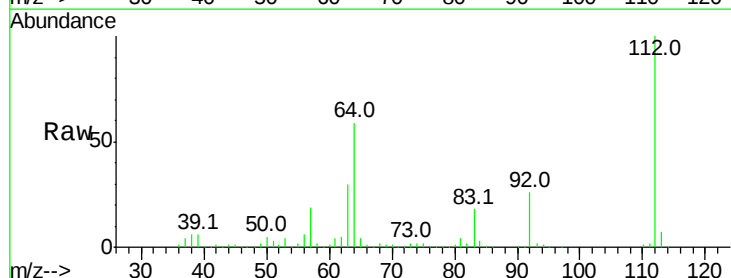
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



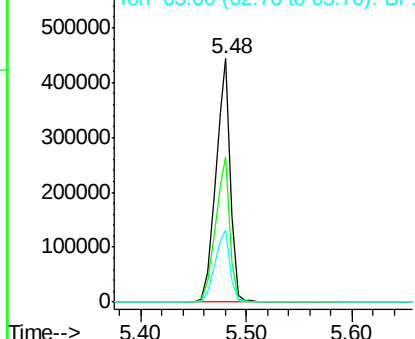
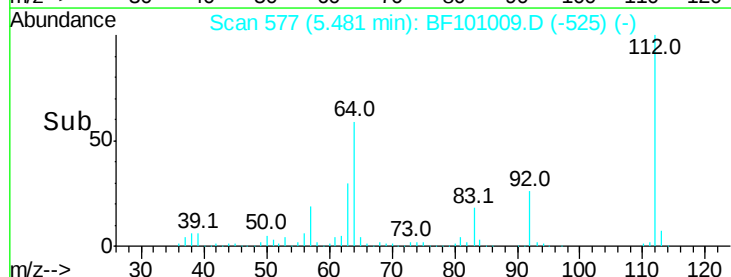
#5

2-Fluorophenol
 Concen: 118.812 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF101009.D
 Acq: 30 Nov 2017 6:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	29.7	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: 115.554 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF101009.D

Acq: 30 Nov 2017 6:36

Instrument :

BNA_F

ClientSampleId :

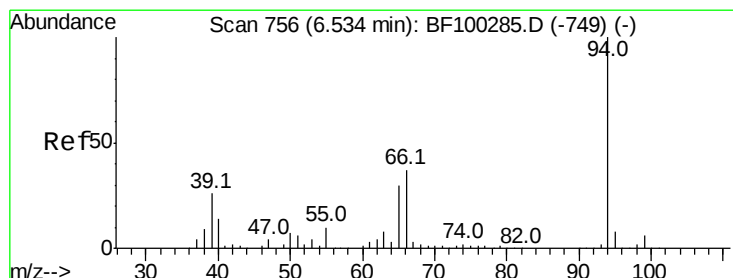
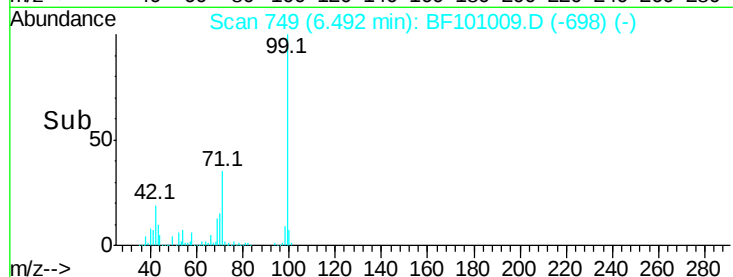
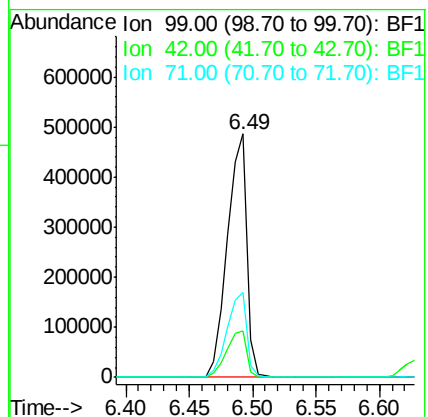
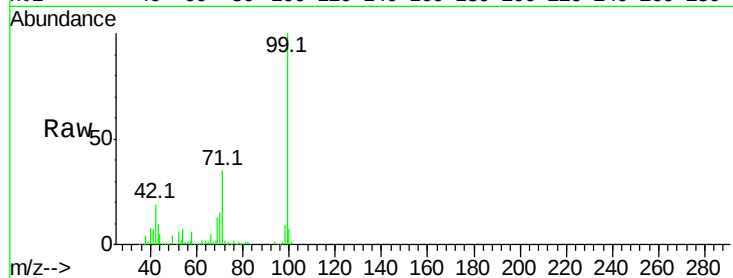
Tot Ion: 99 Resp: 515825

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 34.9 25.4 38.0



#10

Phenol

Concen: 2.928 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF101009.D

Acq: 30 Nov 2017 6:36

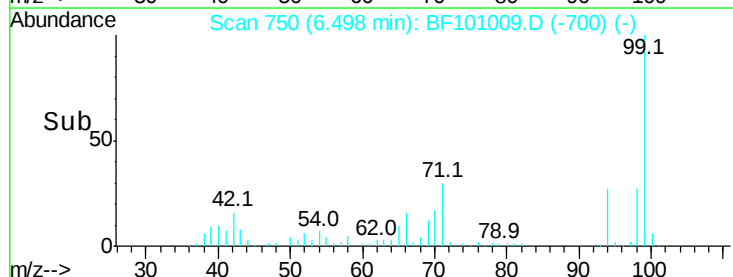
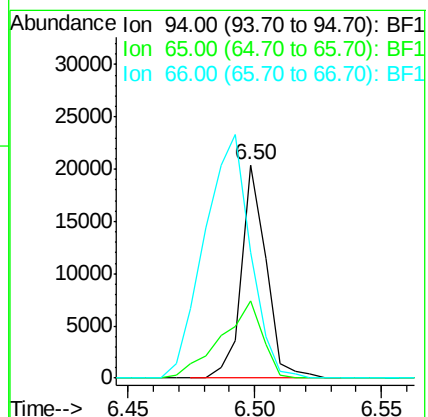
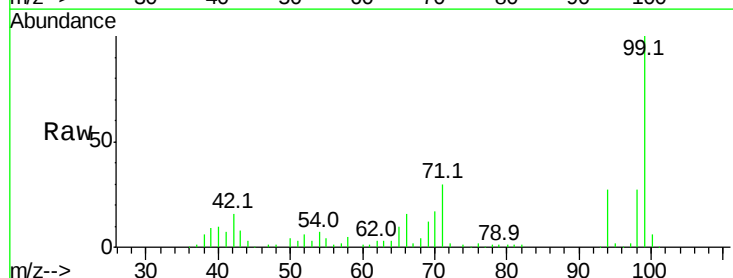
Tgt Ion: 94 Resp: 13721

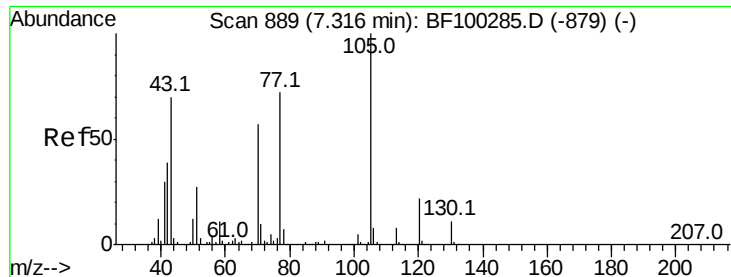
Ion Ratio Lower Upper

94 100

65 36.3 7.9 47.9

66 58.9 16.2 56.2#

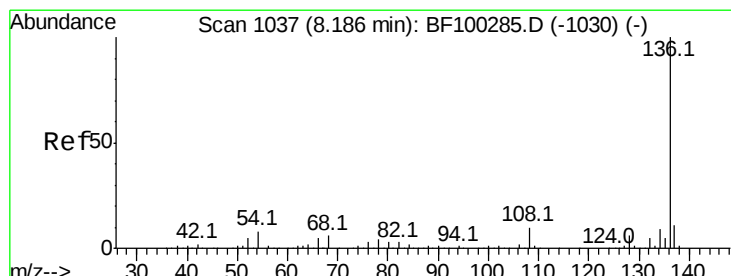
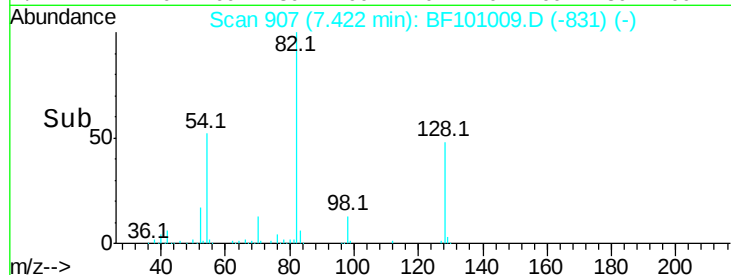
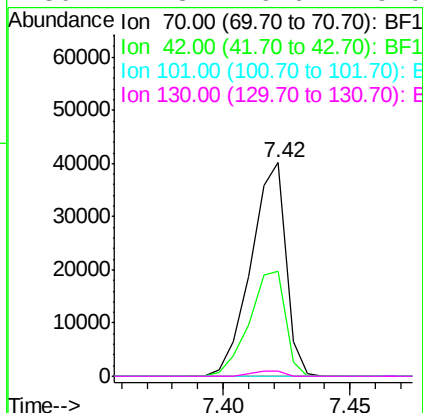
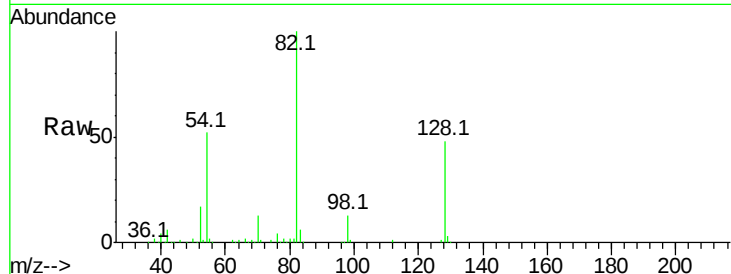




#19
n-Nitroso-di-n-propylamine
Concen: 12.481 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

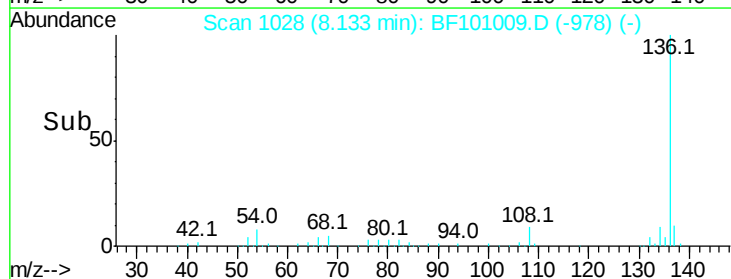
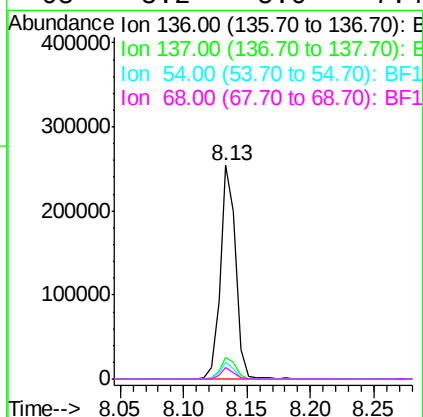
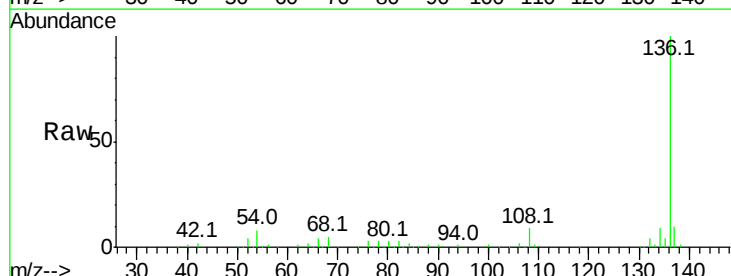
Instrument :
BNA_F
ClientSampleId :

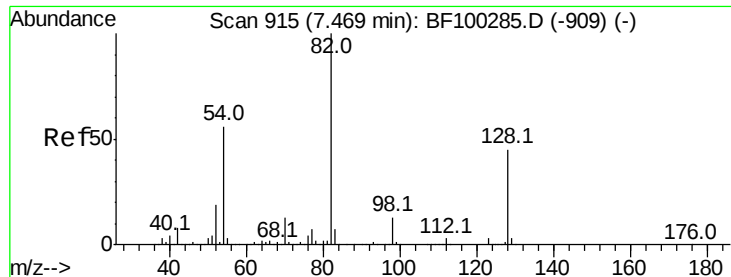
Tot Ion: 70 Resp: 38637
Ion Ratio Lower Upper
70 100
42 49.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Tgt Ion:136 Resp: 215022
Ion Ratio Lower Upper
136 100
137 10.2 8.9 13.3
54 7.8 6.6 9.8
68 5.2 5.0 7.4

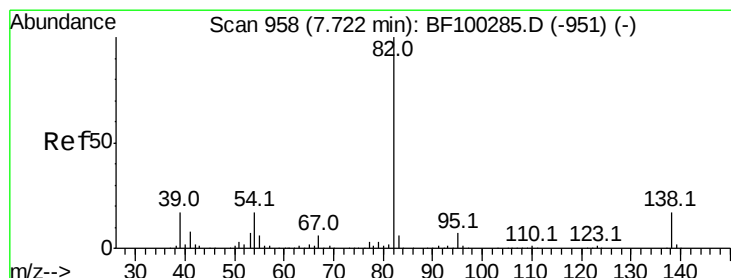
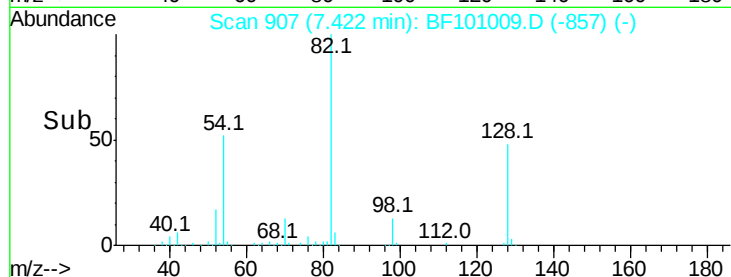
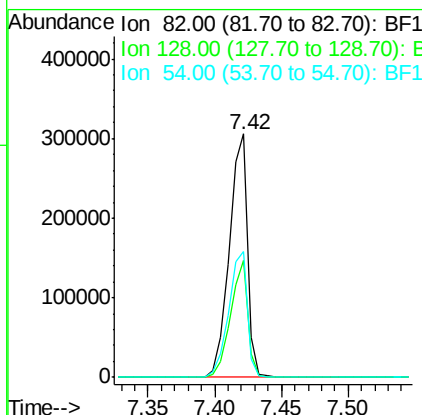
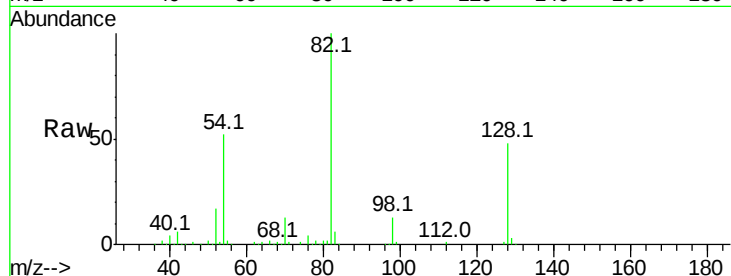




#23
 Nitrobenzene-d5
 Concen: 91.066 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF101009.D
 Acq: 30 Nov 2017 6:36

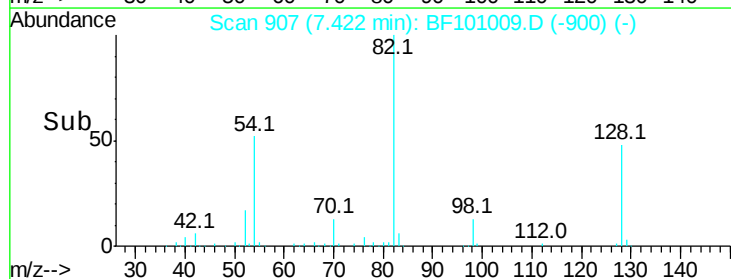
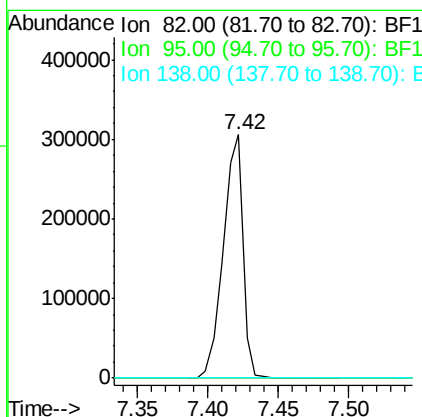
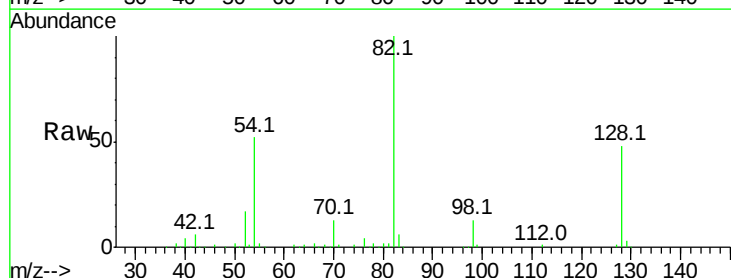
Instrument :
 BNA_F
 ClientSampleId :

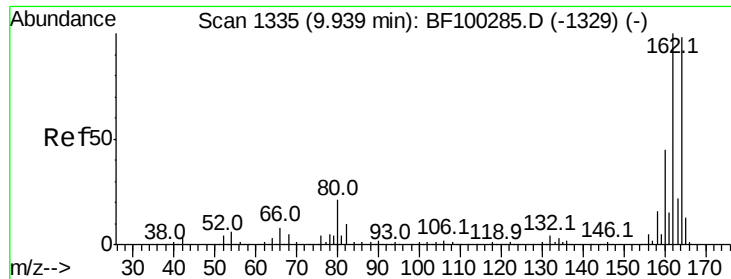
Tot Ion	82	Resp	296177
Ion Ratio	Lower	Upper	
82	100		
128	48.1	36.1	54.1
54	51.9	41.4	62.2



#25
 Isophorone
 Concen: 43.335 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.26 min
 Lab File: BF101009.D
 Acq: 30 Nov 2017 6:36

Tgt Ion	82	Resp	296172
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

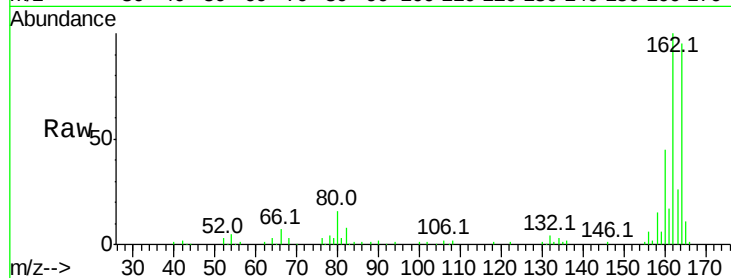




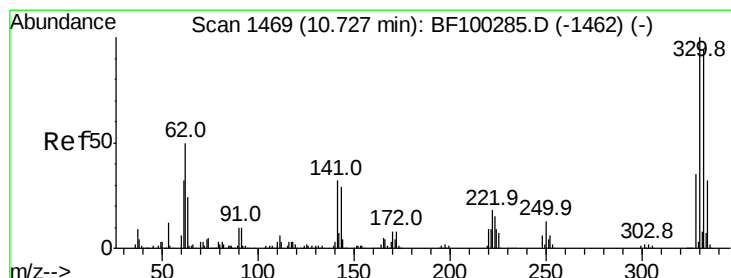
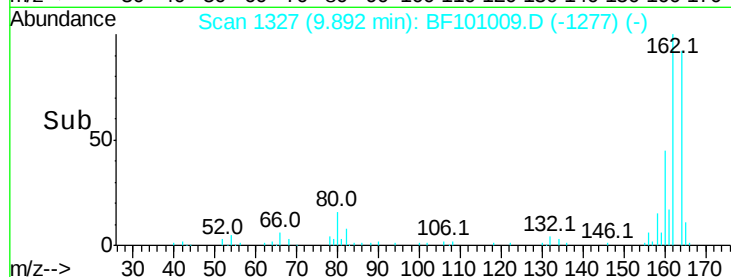
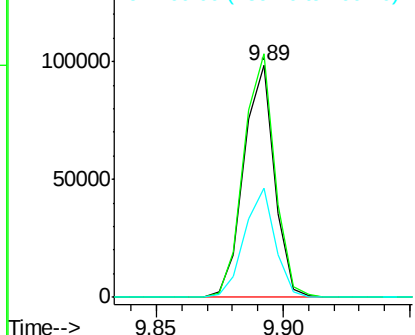
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF101009.D
 Acq: 30 Nov 2017 6:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 82466
 Ion Ratio Lower Upper
 164 100
 162 105.0 86.1 129.1
 160 47.0 38.3 57.5

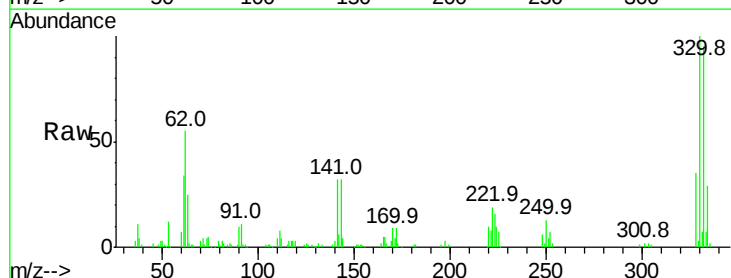


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

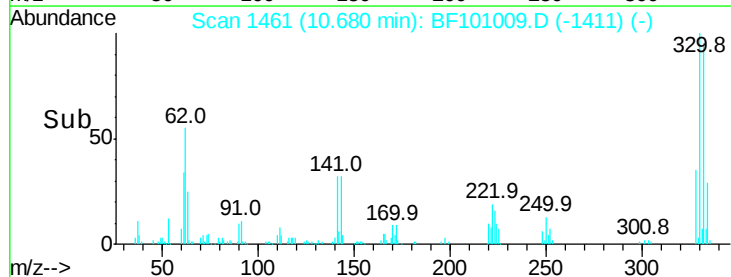
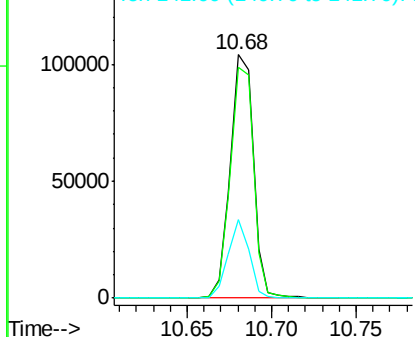


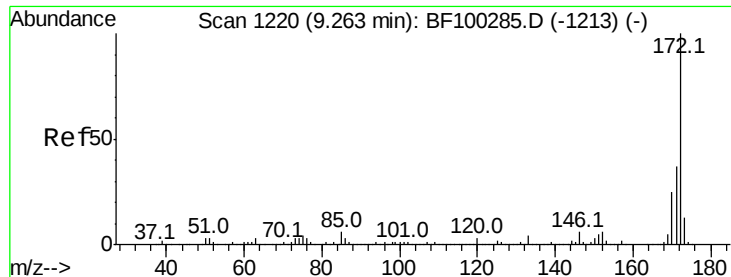
#41
 2,4,6-Tribromophenol
 Concen: 118.148 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101009.D
 Acq: 30 Nov 2017 6:36

Tgt Ion:330 Resp: 99283
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 29.2 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

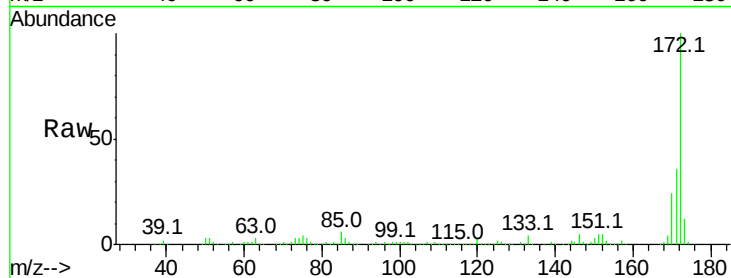




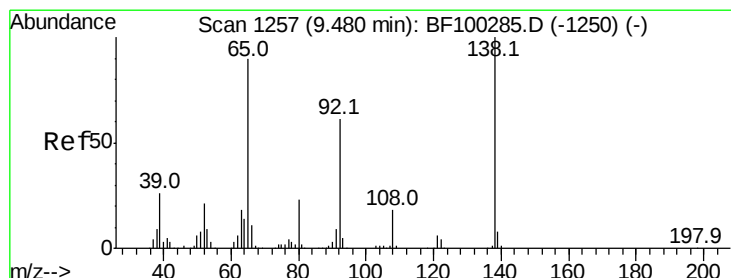
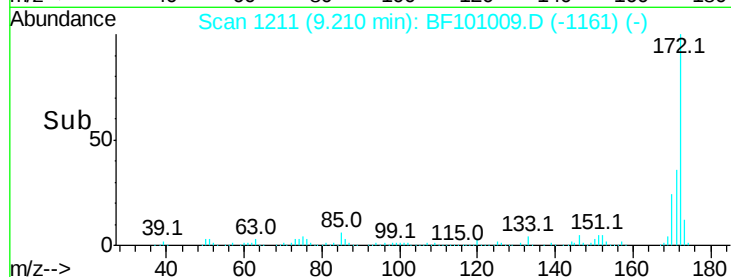
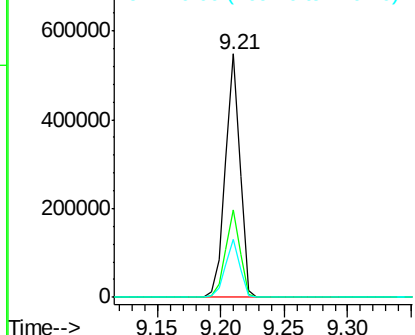
#44
2-Fluorobiphenyl
Concen: 81.740 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 442683
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 23.7 19.6 29.4

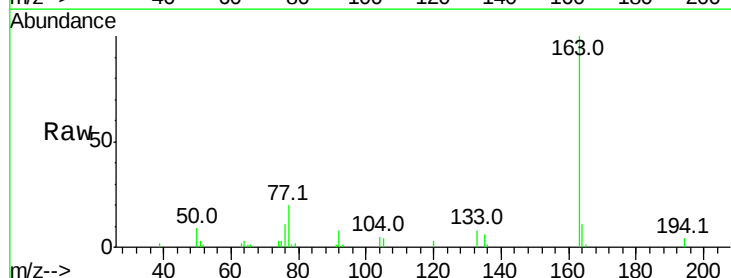


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

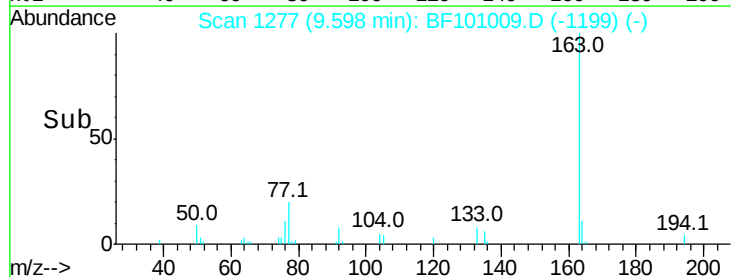
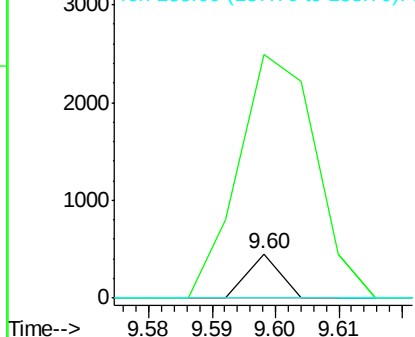


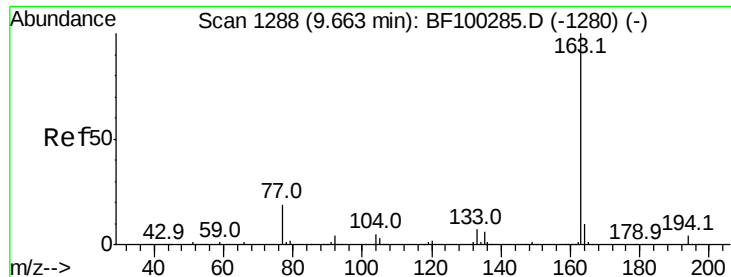
#47
2-Nitroaniline
Concen: 2.882 ng
RT: 9.60 min Scan# 1277
Delta R.T. 0.16 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Tgt Ion: 65 Resp: 160
Ion Ratio Lower Upper
65 100
92 548.5 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

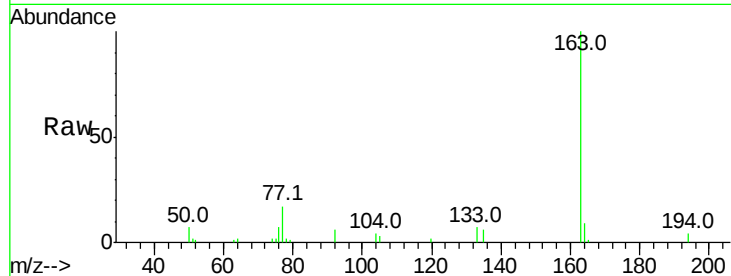




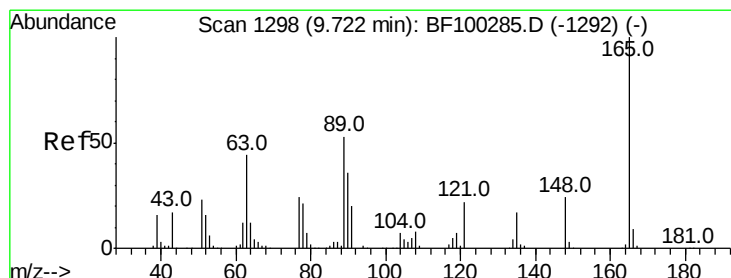
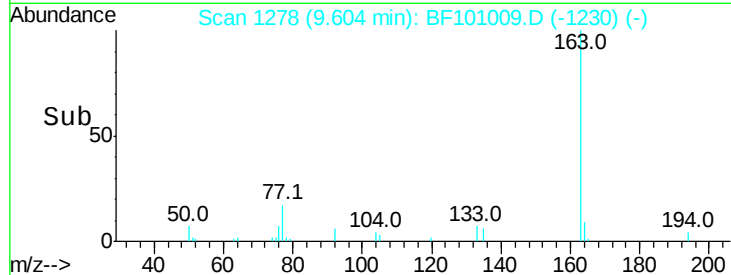
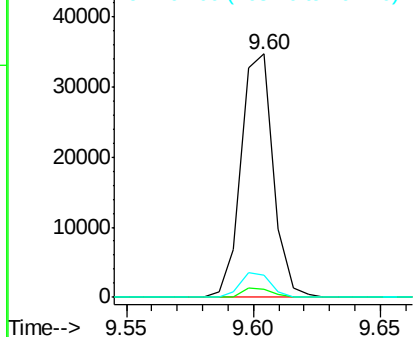
#49
Dimethylphthalate
Concen: 4.849 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 30533
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.2 8.2 12.2

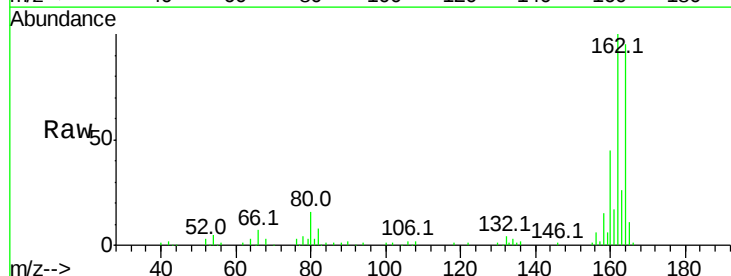


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

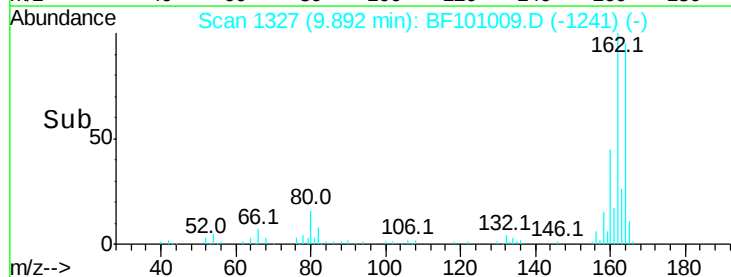
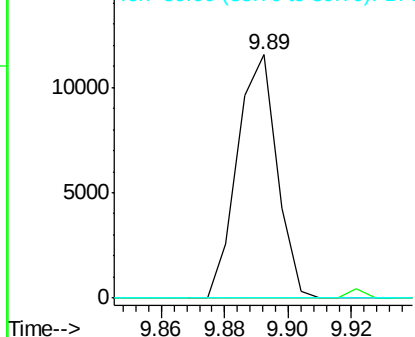


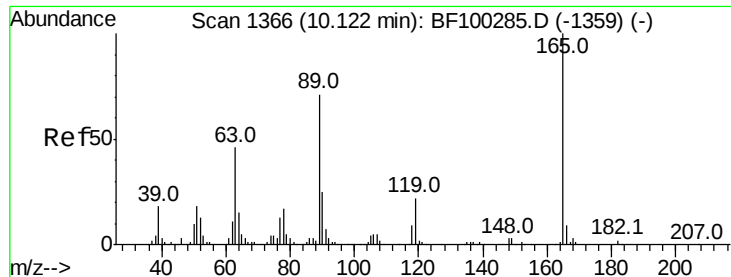
#50
2,6-Dinitrotoluene
Concen: 8.047 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Tgt Ion:165 Resp: 10029
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

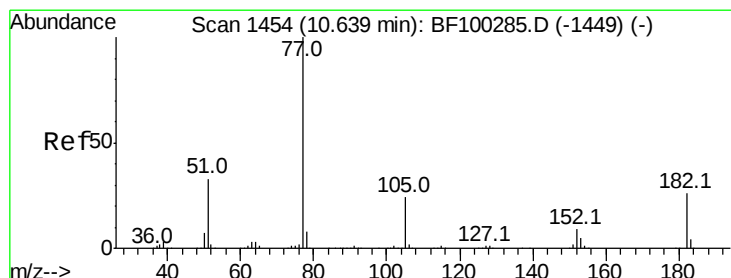
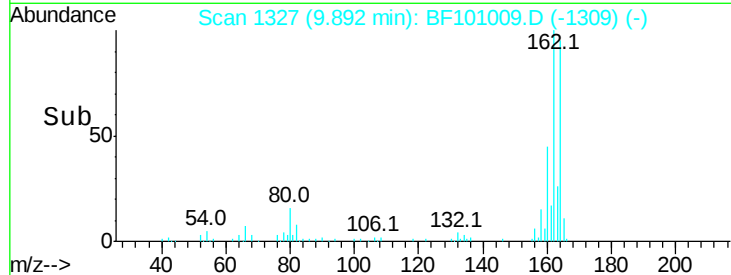
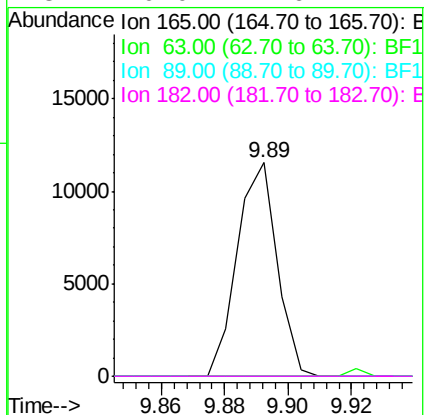
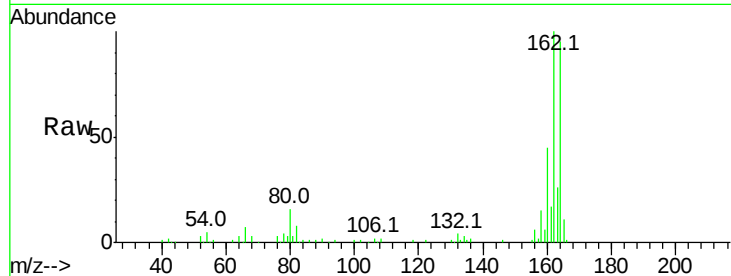




#56
2,4-Dinitrotoluene
Concen: 6.379 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

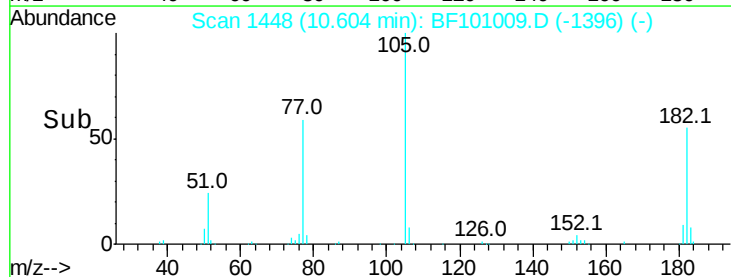
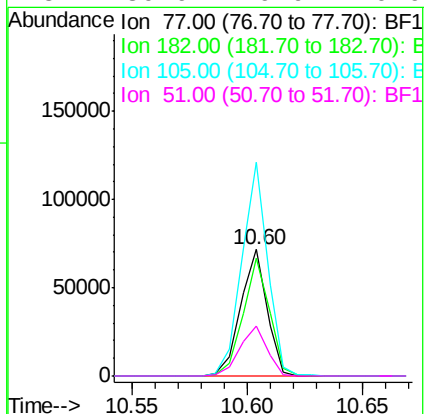
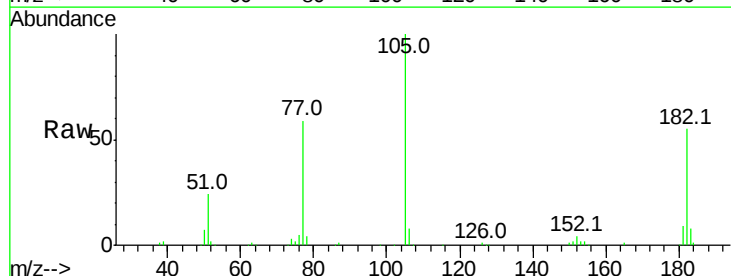
Instrument :
BNA_F
ClientSampleId :

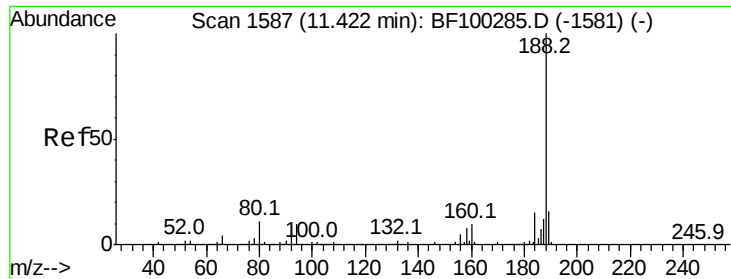
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#62
Azobenzene
Concen: 9.645 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.01 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Tgt Ion	Ratio	Lower	Upper
77	100		
182	93.8	1.7	41.7#
105	169.1	3.0	43.0#
51	39.9	9.9	49.9

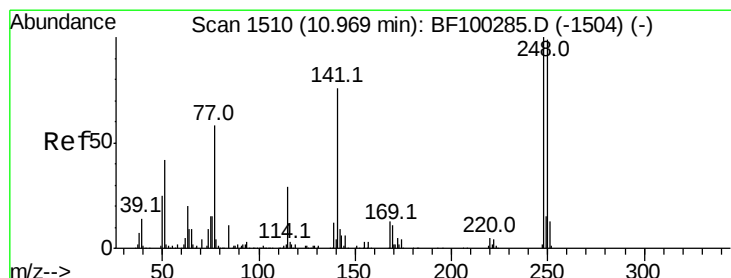
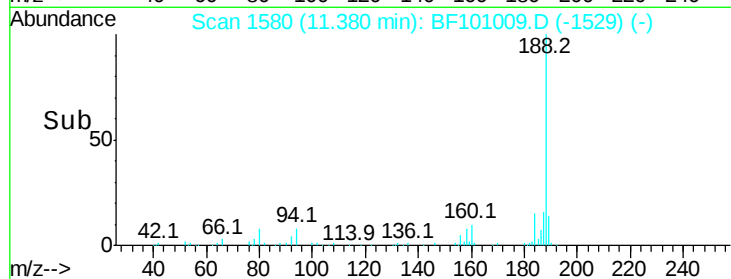
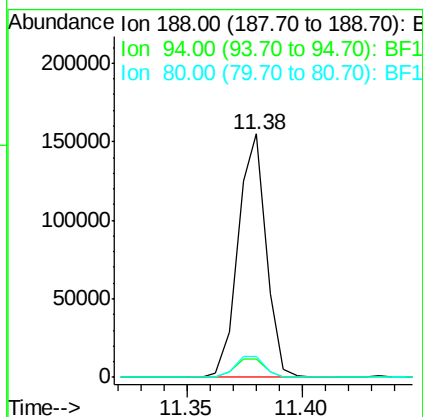
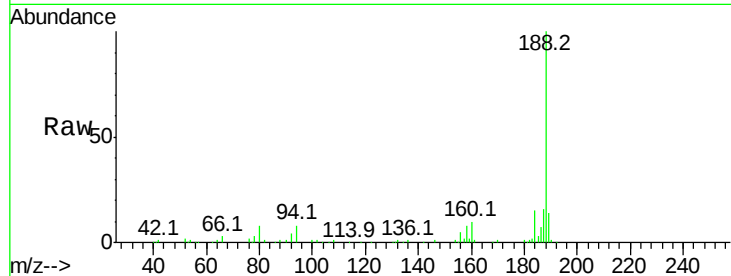




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

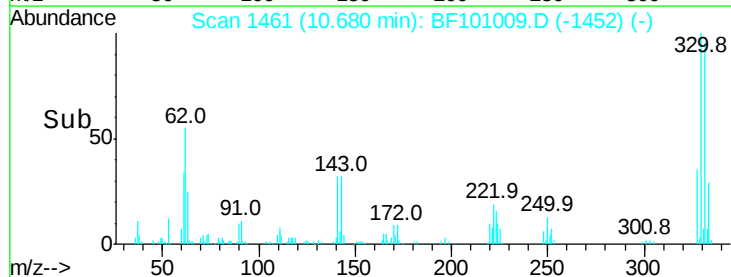
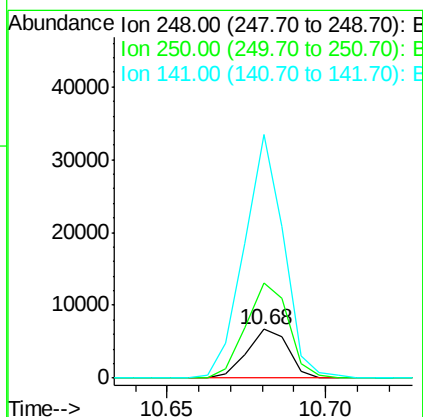
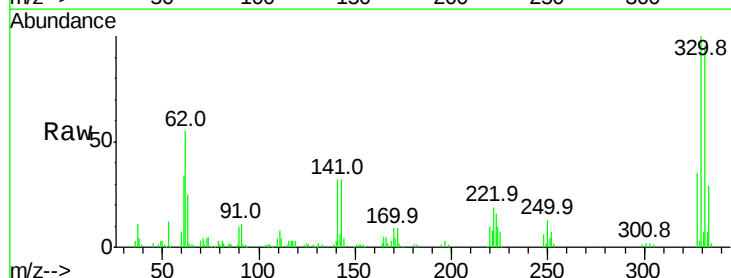
Instrument :
BNA_F
ClientSampleId :

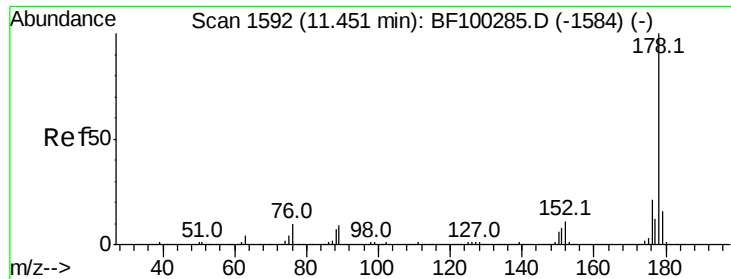
Tot Ion:188 Resp: 131195
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.4 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 4.309 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Tgt Ion:248 Resp: 6060
Ion Ratio Lower Upper
248 100
250 195.6 76.9 115.3#
141 500.2 74.4 111.6#

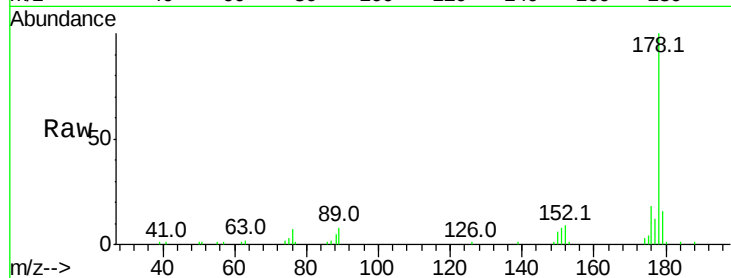




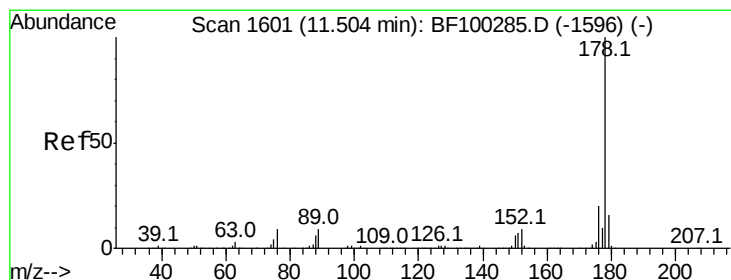
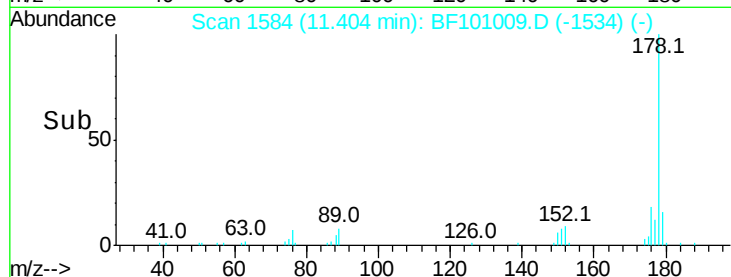
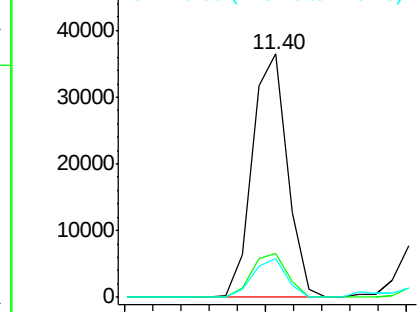
#70
Phenanthrene
Concen: 4.538 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 31345
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 16.0 13.0 19.6

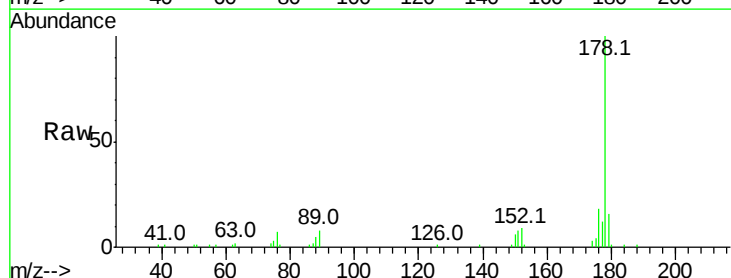


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

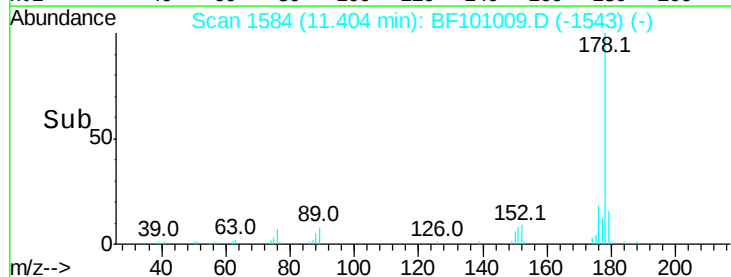
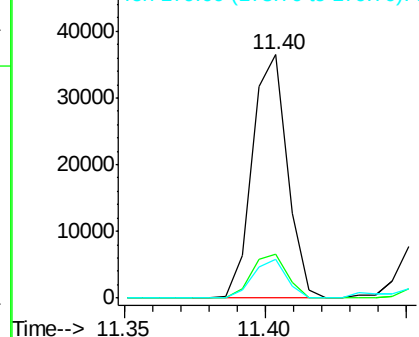


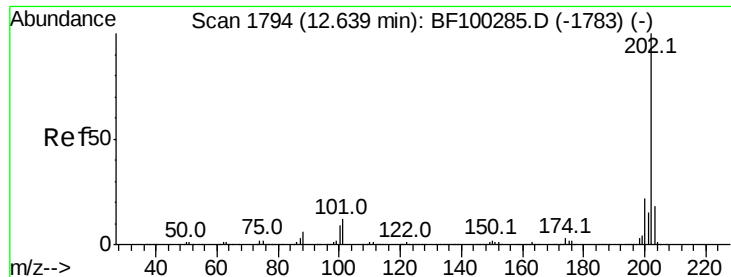
#71
Anthracene
Concen: 4.473 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.06 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Tgt Ion:178 Resp: 31345
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 16.0 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: 5.670 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF101009.D

Acq: 30 Nov 2017 6:36

Instrument :

BNA_F

ClientSampleId :

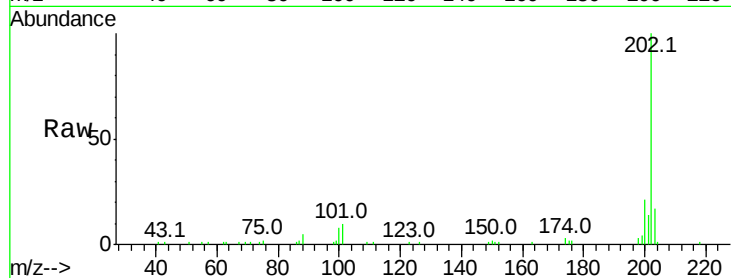
Tot Ion:202 Resp: 41512

Ion Ratio Lower Upper

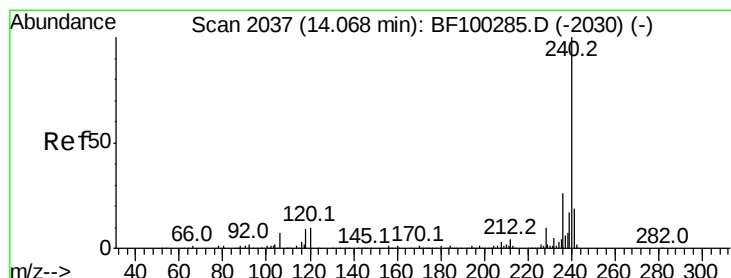
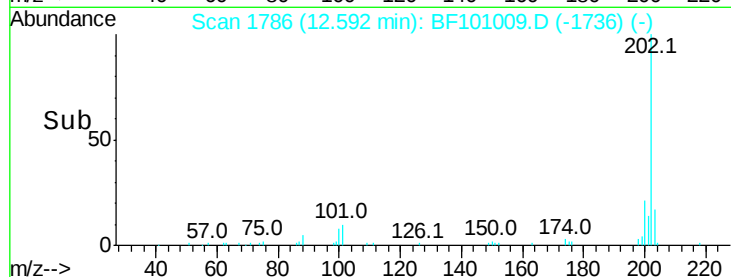
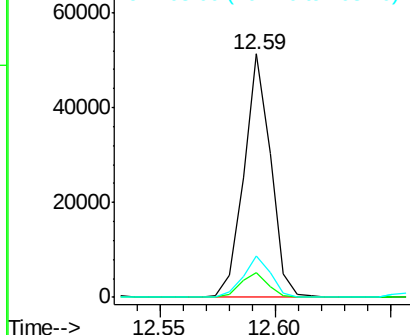
202 100

101 10.4 0.0 34.1

203 16.8 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: BF101009.D

Acq: 30 Nov 2017 6:36

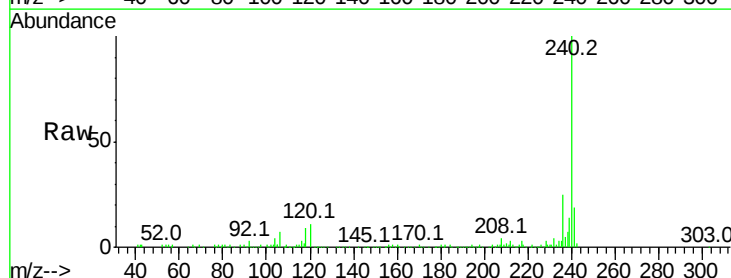
Tgt Ion:240 Resp: 124103

Ion Ratio Lower Upper

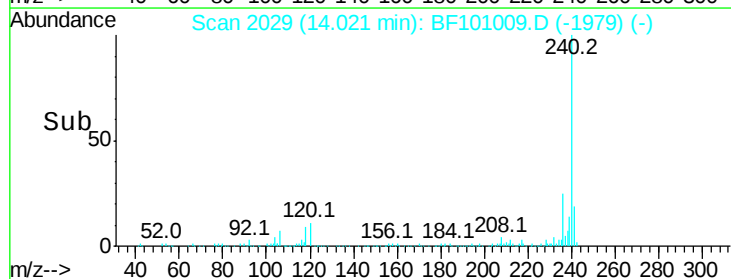
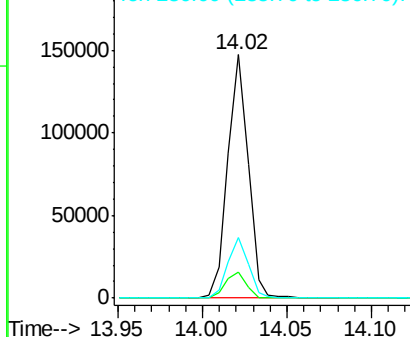
240 100

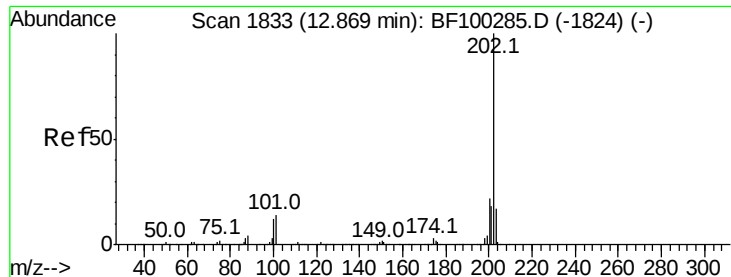
120 10.6 9.5 14.3

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

Pvrene

Concen: 3.975 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF101009.D

Acq: 30 Nov 2017 6:36

Instrument :

BNA_F

ClientSampleId :

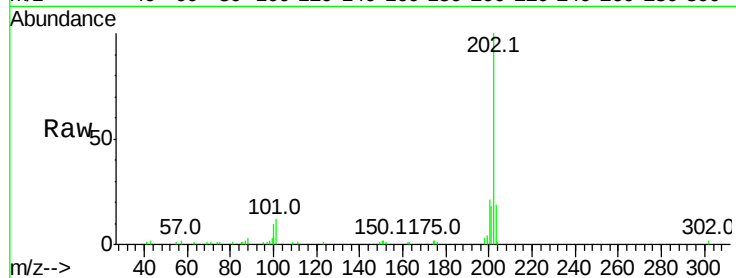
Tot Ion:202 Resp: 35167

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

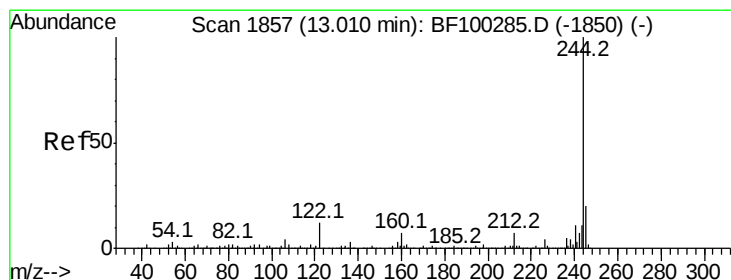
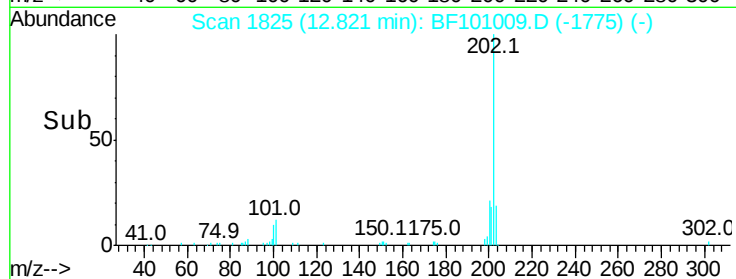
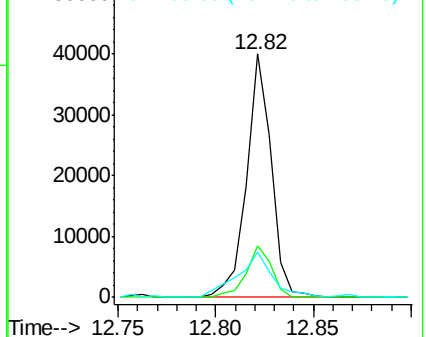
203 18.6 14.3 21.5



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: 58.506 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF101009.D

Acq: 30 Nov 2017 6:36

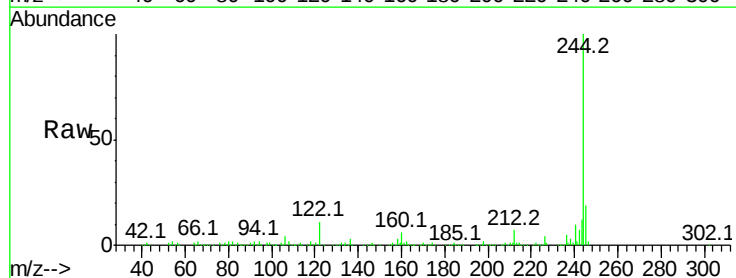
Tgt Ion:244 Resp: 316003

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

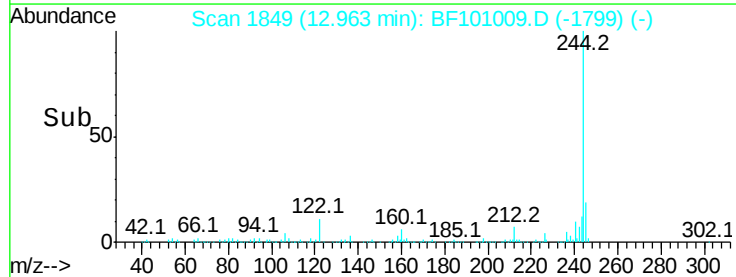
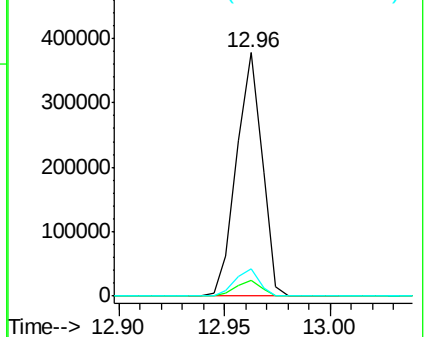
122 11.0 11.0 16.4

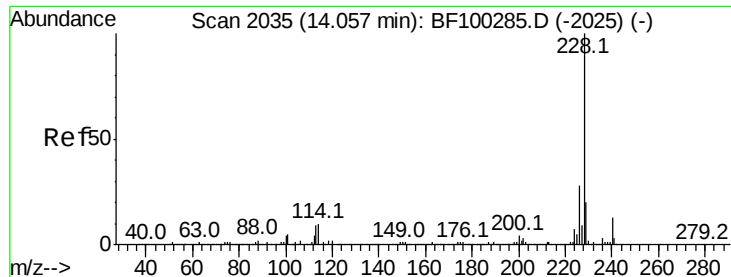


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

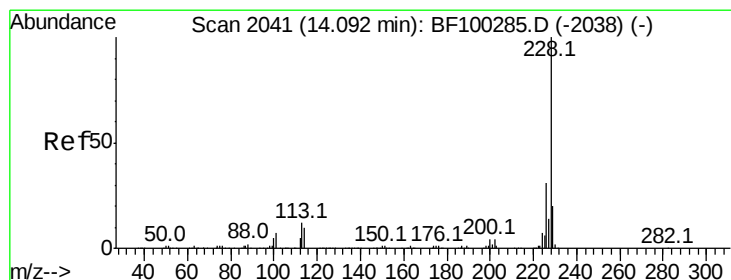
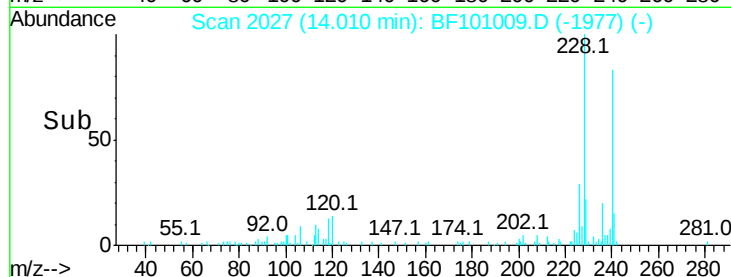
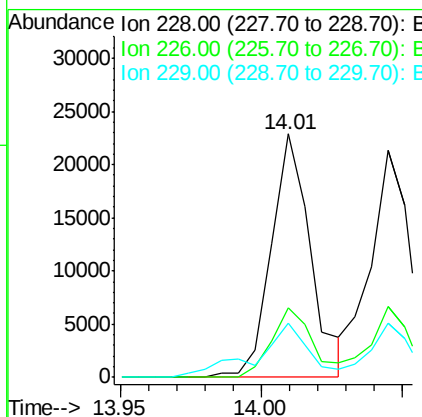
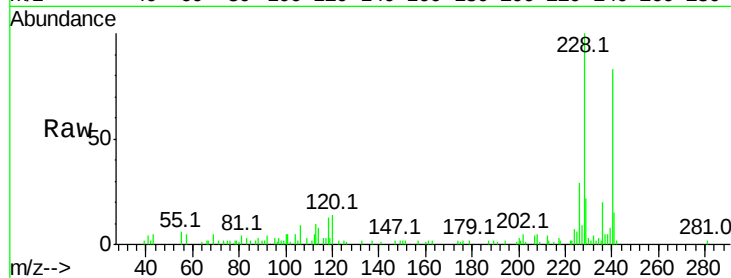




#80
Benzo(a)anthracene
Concen: 2.975 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

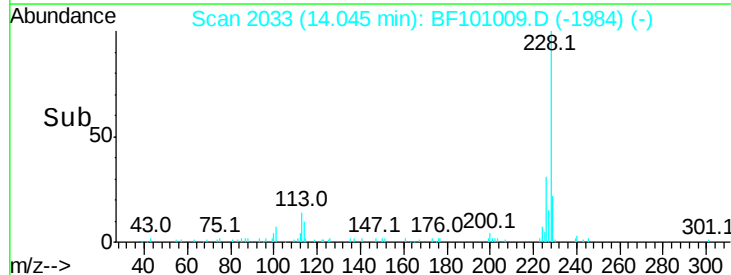
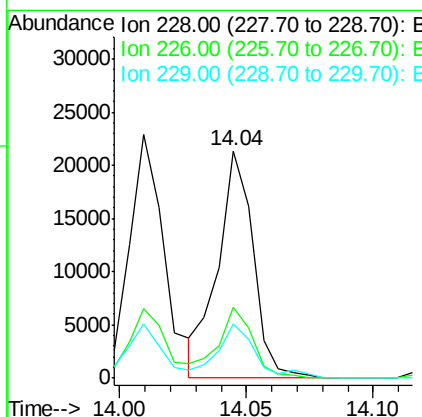
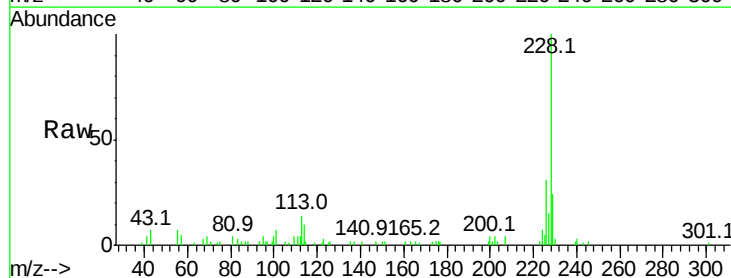
Instrument :
BNA_F
ClientSampleId :

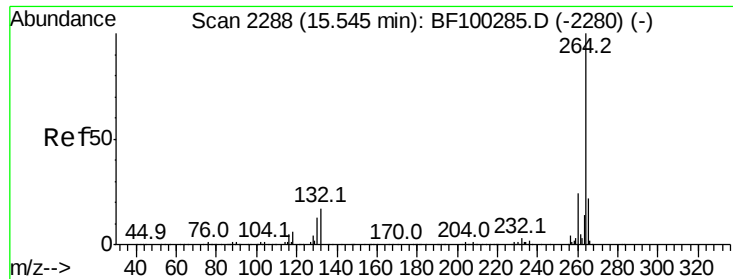
Tot Ion:228 Resp: 22236
Ion Ratio Lower Upper
228 100
226 28.8 22.6 33.8
229 22.2 15.8 23.6



#82
Chrysene
Concen: 2.870 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Tgt Ion:228 Resp: 20773
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 24.0 16.2 24.4



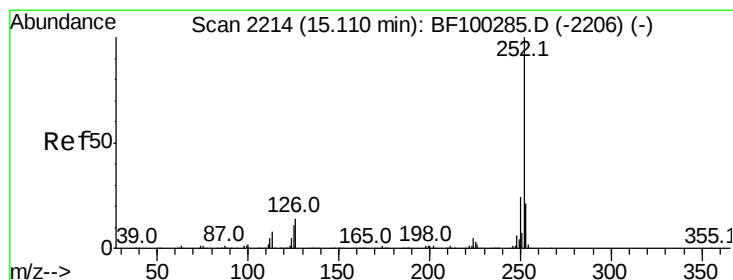
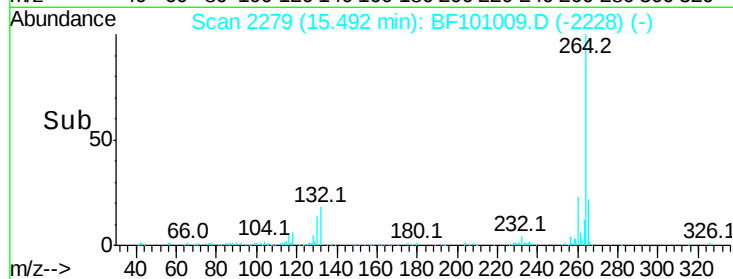
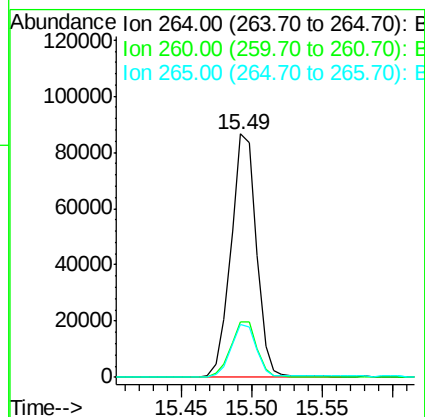
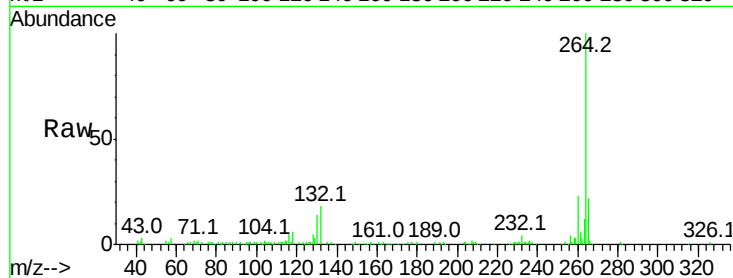


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 108929

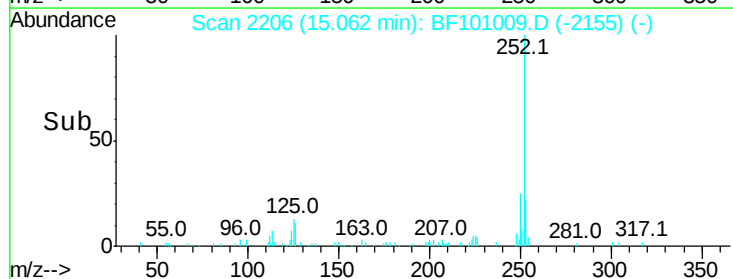
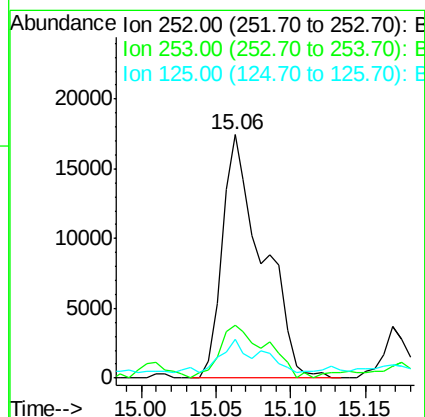
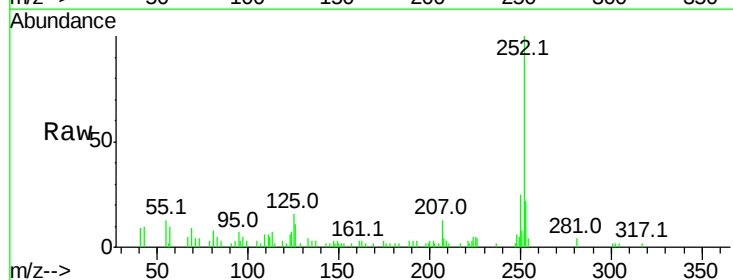
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.6	17.5	26.3

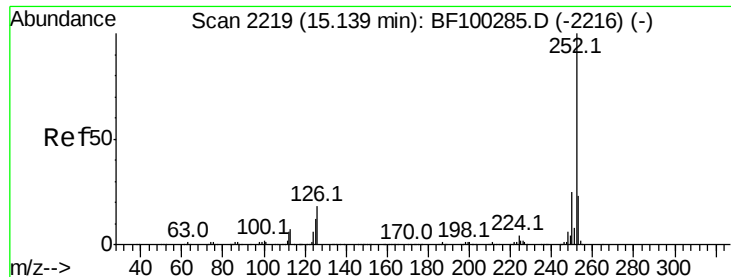


#87
Benzo(b)fluoranthene
Concen: 5.059 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF101009.D
Acq: 30 Nov 2017 6:36

Tgt Ion:252 Resp: 32647

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	16.1	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 5.354 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.04 min

Lab File: BF101009.D

Acq: 30 Nov 2017 6:36

Instrument :

BNA_F

ClientSampleId :

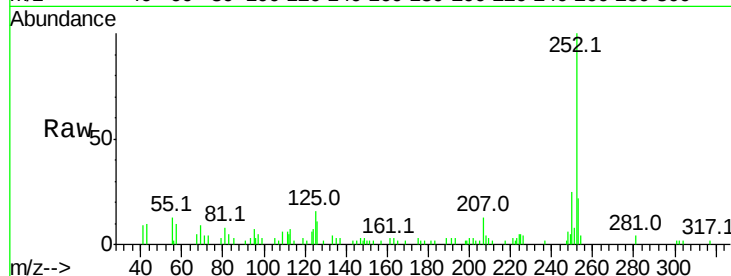
Tot Ion:252 Resp: 32647

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

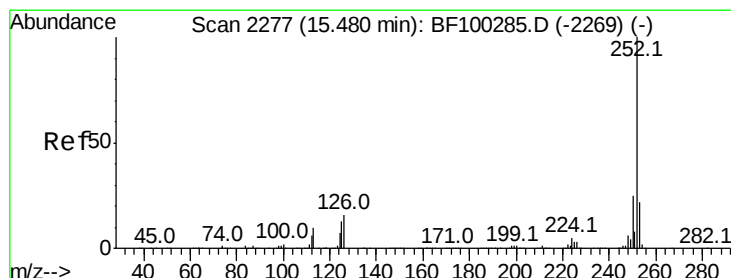
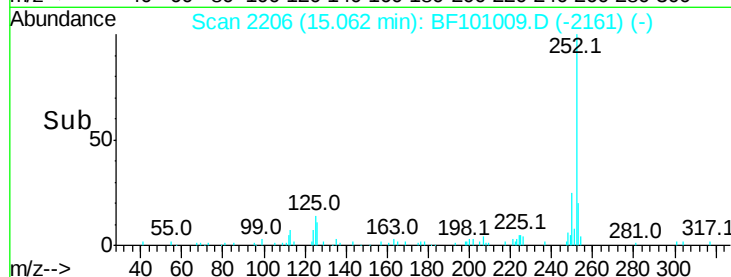
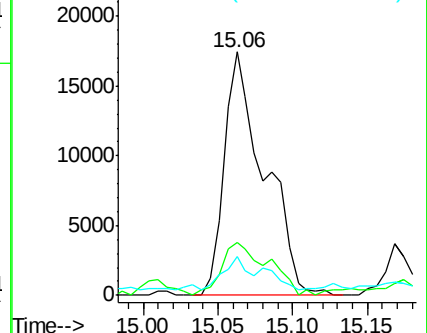
125 16.1 10.2 15.2#



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



#89

Benzo(a)pyrene

Concen: 2.995 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF101009.D

Acq: 30 Nov 2017 6:36

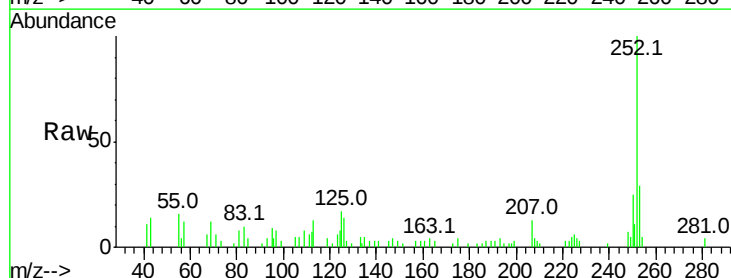
Tgt Ion:252 Resp: 17133

Ion Ratio Lower Upper

252 100

253 28.5 17.1 25.7#

125 17.3 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

