

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\  
 Data File : BF100668.D  
 Acq On : 17 Nov 2017 11:14  
 Operator : SJ/JU  
 Sample : I6479-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 17 15:31:16 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.88  | 152  | 86951    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 307736   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.95  | 164  | 69385    | 20.00 | ng    | 0.02     |
| 63) Phenanthrene-d10      | 11.49 | 188  | 37972    | 20.00 | ng    | 0.08     |
| 75) Chrysene-d12          | 14.09 | 240  | 123110   | 20.00 | ng    | 0.05     |
| 86) Perylene-d12          | 15.54 | 264  | 218228   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 424257 | 78.21  | ng | 0.00  |
| 7) Phenol-d6             | 6.50  | 99  | 513182 | 76.72  | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.44  | 82  | 303151 | 65.13  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.76 | 330 | 41082  | 58.10  | ng | 0.05  |
| 44) 2-Fluorobiphenyl     | 9.24  | 172 | 509488 | 111.81 | ng | 0.00  |
| 78) Terphenyl-d14        | 13.07 | 244 | 110394 | 20.60  | ng | 0.09  |

## Target Compounds

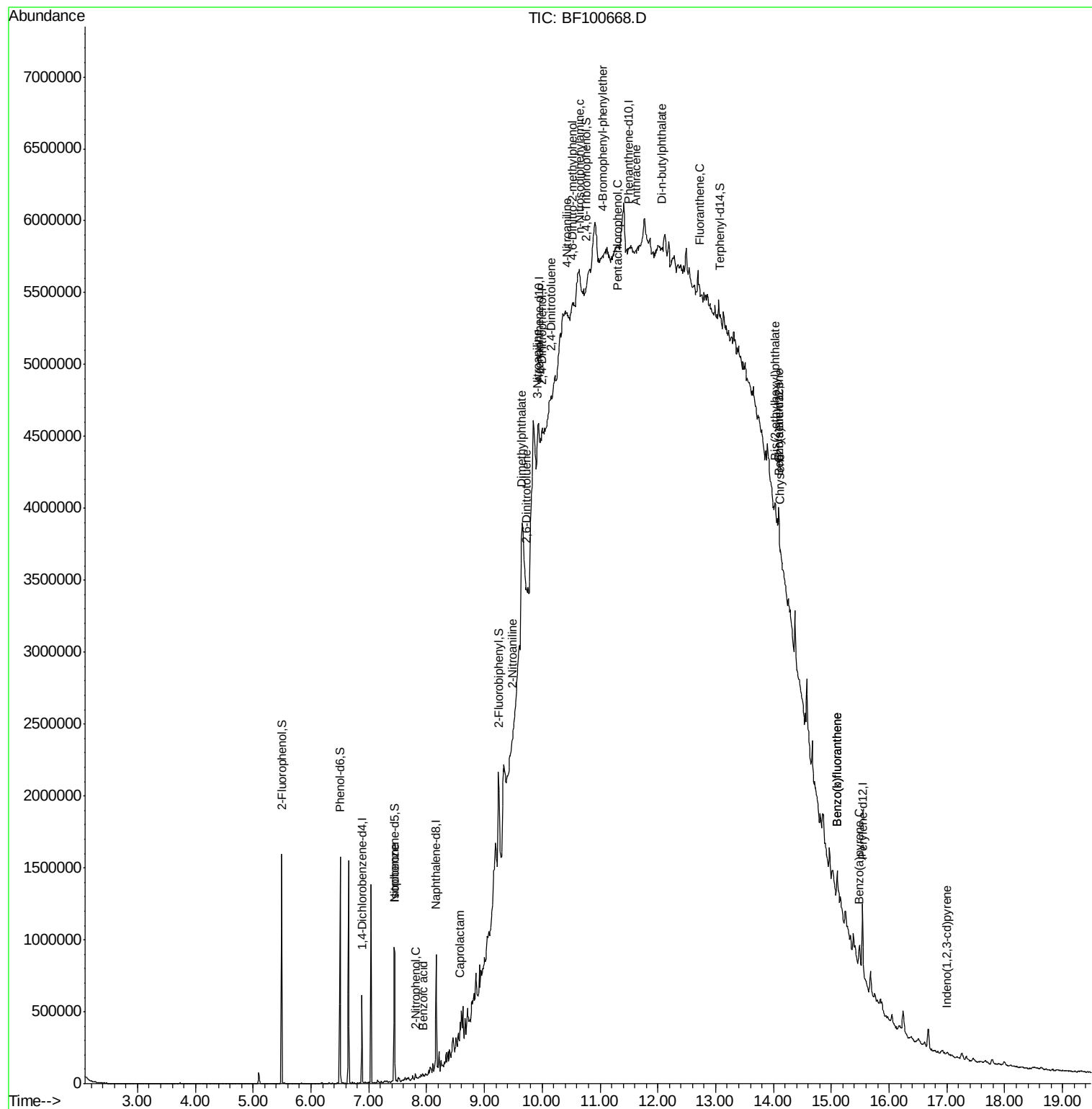
|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 25) Isophorone                 | 7.44  | 82  | 303147 | 30.992 | ng | # 64   |
| 26) 2-Nitrophenol              | 7.80  | 139 | 130    | 5.430  | ng | # 1    |
| 32) Benzoic acid               | 7.95  | 122 | 116    | 9.399  | ng | # 9    |
| 35) Caprolactam                | 8.58  | 113 | 4398   | 3.062  | ng | # 1    |
| 47) 2-Nitroaniline             | 9.49  | 65  | 11917  | 11.510 | ng | # 65   |
| 49) Dimethylphthalate          | 9.64  | 163 | 60147  | 11.354 | ng | # 41   |
| 50) 2,6-Dinitrotoluene         | 9.73  | 165 | 28322  | 27.008 | ng | # 34   |
| 52) 3-Nitroaniline             | 9.91  | 138 | 43208  | 34.894 | ng | # 22   |
| 53) 2,4-Dinitrophenol          | 9.99  | 184 | 429    | 9.105  | ng | # 1    |
| 56) 2,4-Dinitrotoluene         | 10.16 | 165 | 6540   | 4.944  | ng | # 41   |
| 61) 4-Nitroaniline             | 10.42 | 138 | 67021  | 57.080 | ng | # 88   |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 6064   | 34.551 | ng | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.66 | 169 | 76857  | 58.211 | ng | # 60   |
| 66) 4-Bromophenyl-phenylether  | 11.05 | 248 | 1357   | 3.334  | ng | # 1    |
| 69) Pentachlorophenol          | 11.30 | 266 | 2442   | 7.999  | ng | # 2    |
| 71) Anthracene                 | 11.62 | 178 | 5611   | 2.766  | ng | # 1    |
| 73) Di-n-butylphthalate        | 12.07 | 149 | 33792  | 15.429 | ng | # 25   |
| 74) Fluoranthene               | 12.73 | 202 | 12256  | 5.784  | ng | # 3    |
| 80) Benzo(a)anthracene         | 14.08 | 228 | 23793  | 3.209  | ng | # 66   |
| 82) Chrysene                   | 14.12 | 228 | 19543  | 2.722  | ng | # 64   |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149 | 21701  | 4.610  | ng | # 69   |
| 85) Indeno(1,2,3-cd)pyrene     | 17.00 | 276 | 13815  | 2.379  | ng | # 88   |
| 87) Benzo(b)fluoranthene       | 15.11 | 252 | 58642  | 4.536  | ng | # 38   |
| 88) Benzo(k)fluoranthene       | 15.11 | 252 | 58642  | 4.800  | ng | # 42   |
| 89) Benzo(a)pyrene             | 15.47 | 252 | 25582  | 2.232  | ng | # 56   |

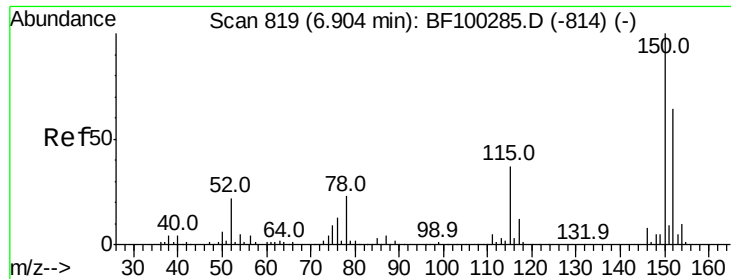
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
ClientSampled :

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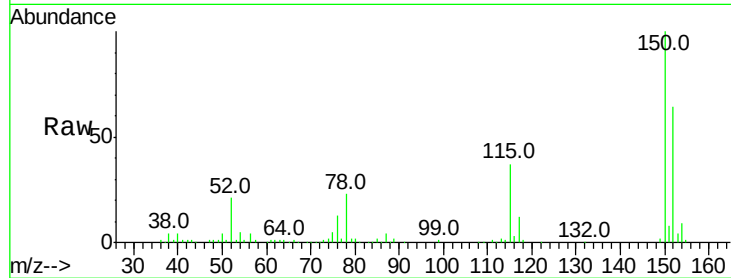


#1

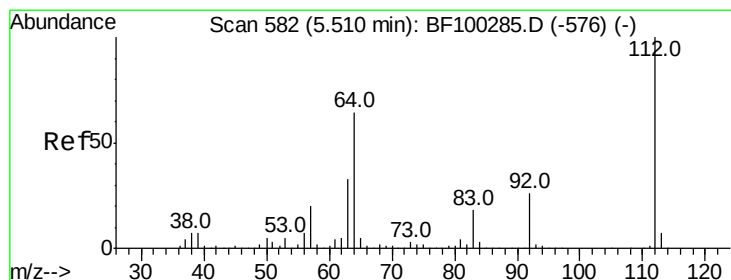
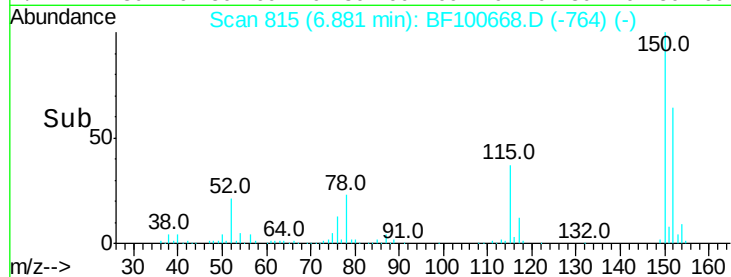
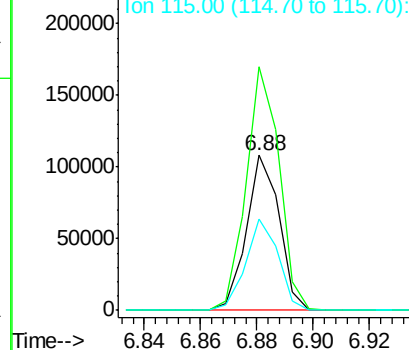
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. 0.00 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 86951  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.6 186.8  
115 58.9 50.1 75.1



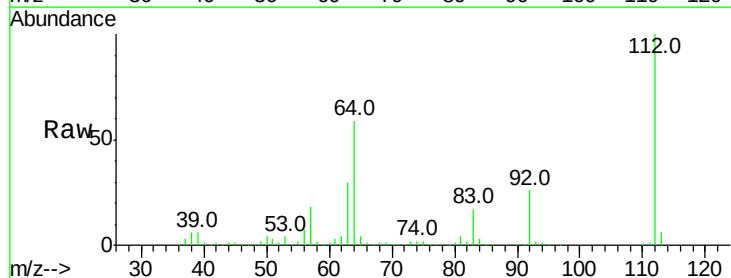
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



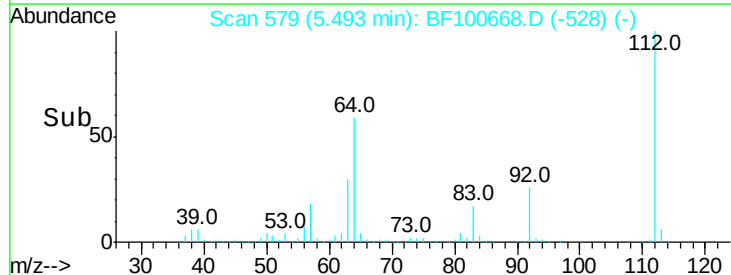
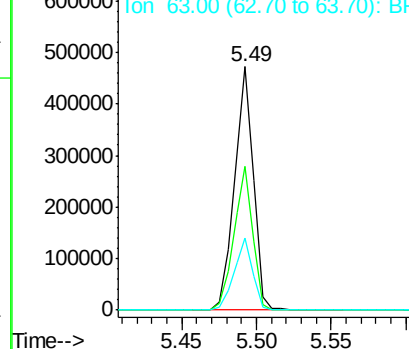
#5

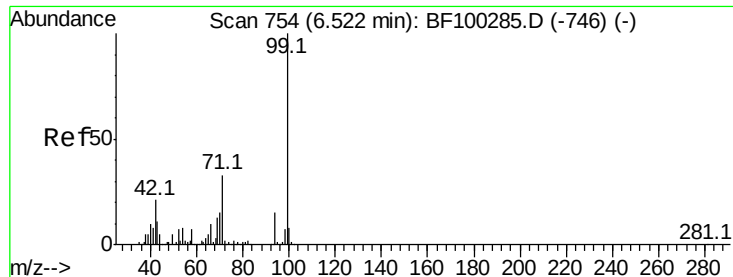
2-Fluorophenol  
Concen: 78.214 ng  
RT: 5.49 min Scan# 579  
Delta R.T. 0.00 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

Tgt Ion:112 Resp: 424257  
Ion Ratio Lower Upper  
112 100  
64 59.0 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: 76.722 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100668.D

Acq: 17 Nov 2017 11:14

Instrument :

BNA\_F

ClientSampleId :

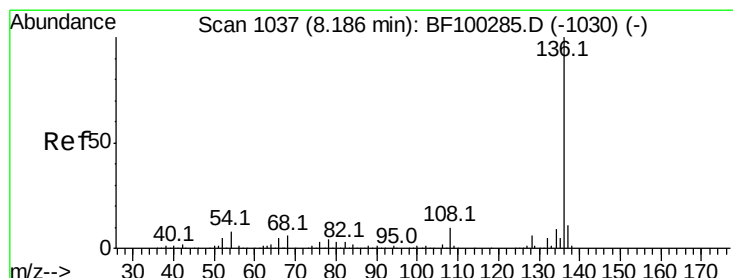
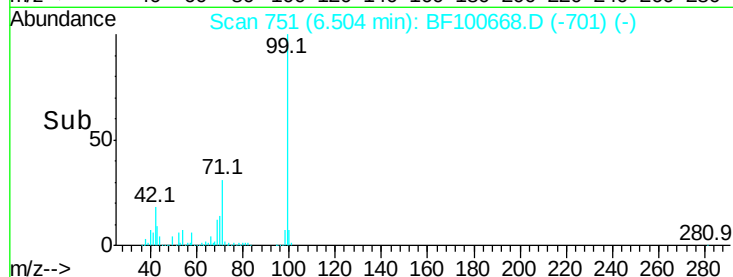
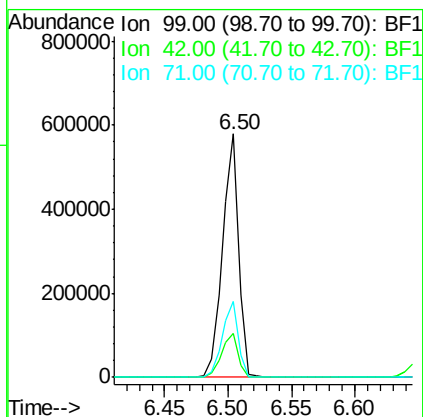
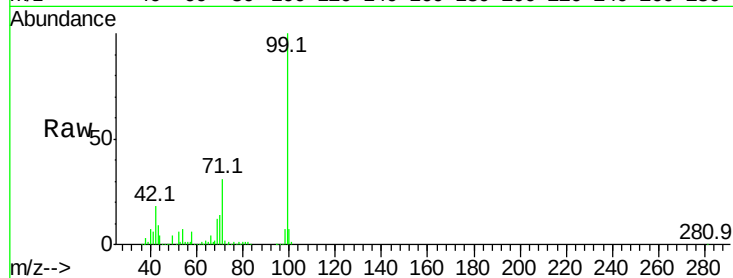
Tot Ion: 99 Resp: 513182

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 31.1 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100668.D

Acq: 17 Nov 2017 11:14

Tgt Ion: 136 Resp: 307736

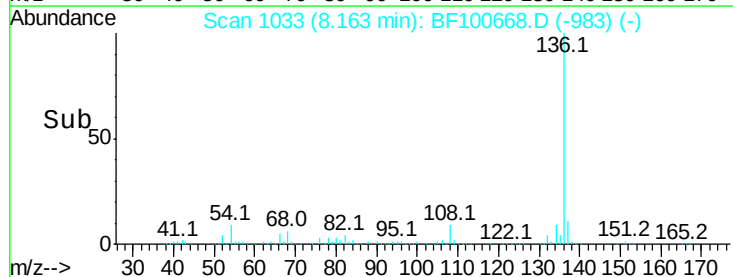
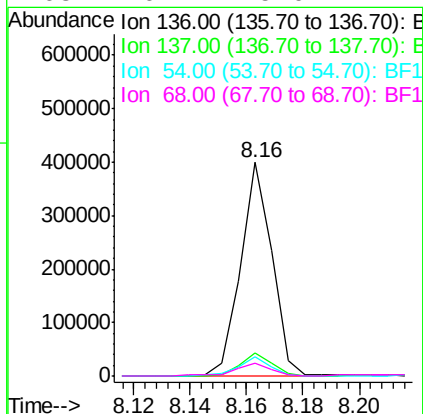
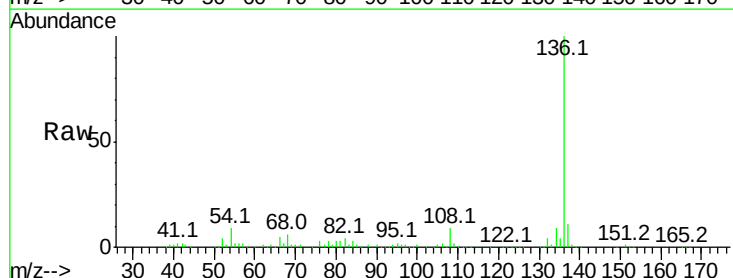
Ion Ratio Lower Upper

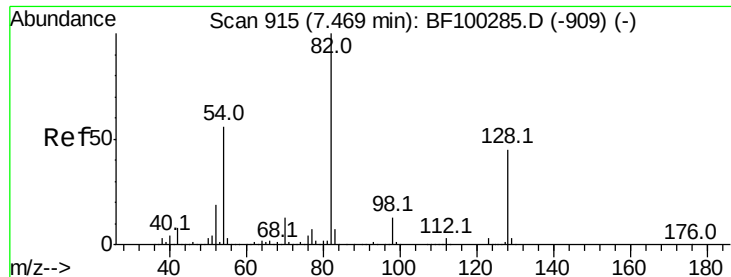
136 100

137 11.1 8.9 13.3

54 8.7 6.6 9.8

68 6.2 5.0 7.4

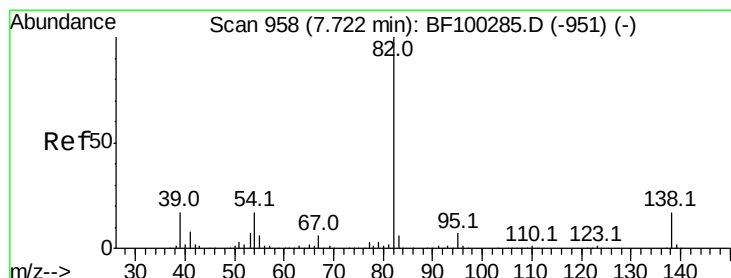
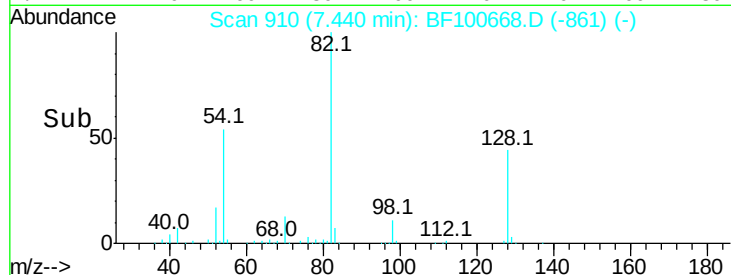
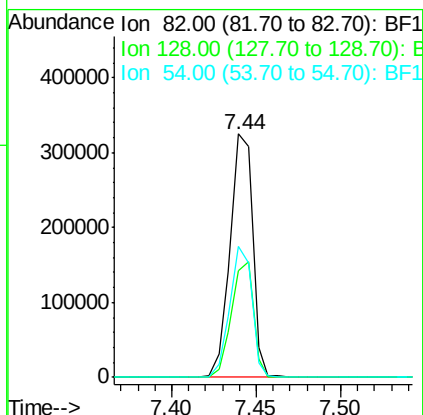
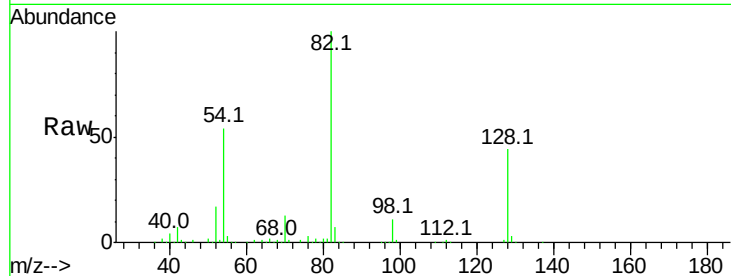




#23  
Nitrobenzene-d5  
Concen: 65.128 ng  
RT: 7.44 min Scan# 910  
Delta R.T. -0.01 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

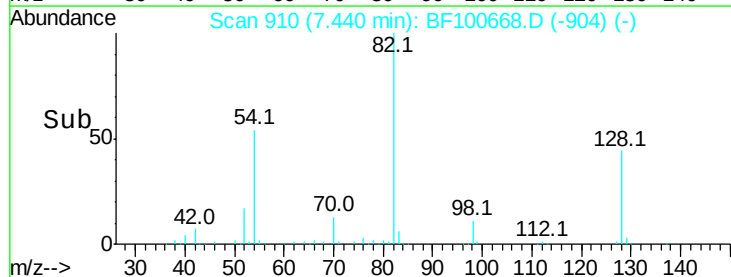
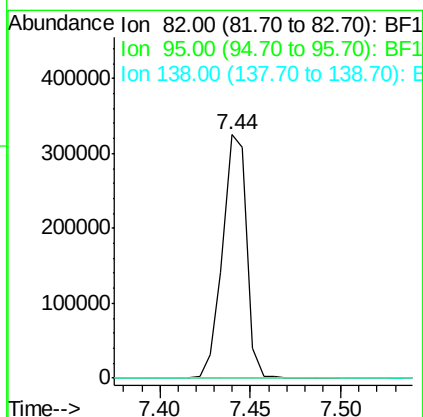
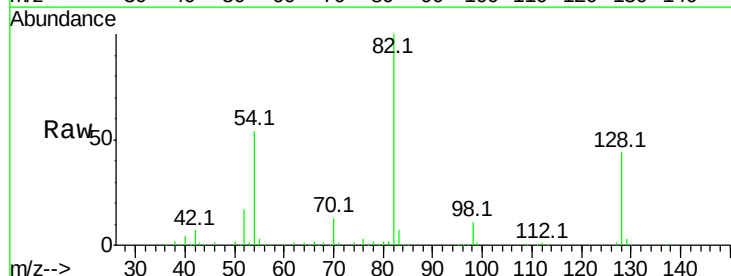
Instrument :  
BNA\_F  
ClientSampleId :

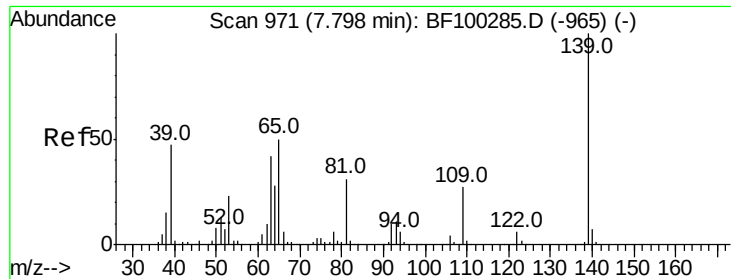
Tot Ion: 82 Resp: 303151  
Ion Ratio Lower Upper  
82 100  
128 43.8 36.1 54.1  
54 53.7 41.4 62.2



#25  
Isophorone  
Concen: 30.992 ng  
RT: 7.44 min Scan# 910  
Delta R.T. -0.26 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

Tgt Ion: 82 Resp: 303147  
Ion Ratio Lower Upper  
82 100  
95 0.2 5.2 7.8#  
138 0.0 14.9 22.3#

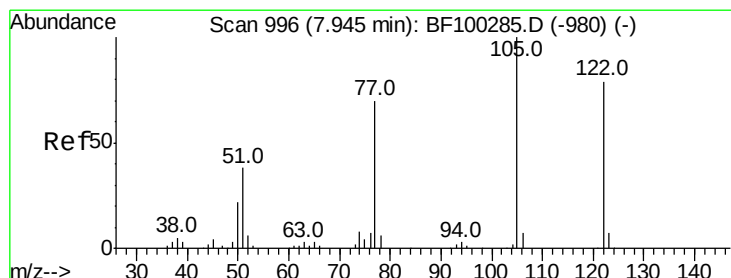
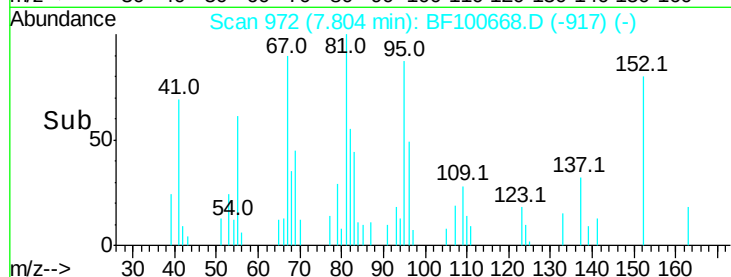
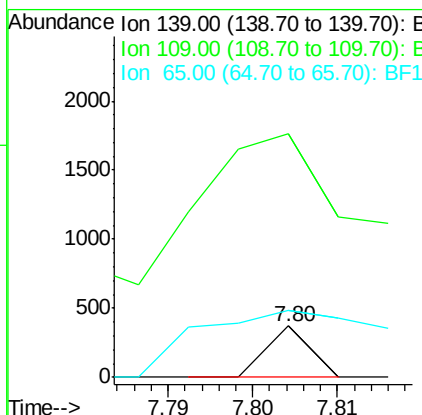
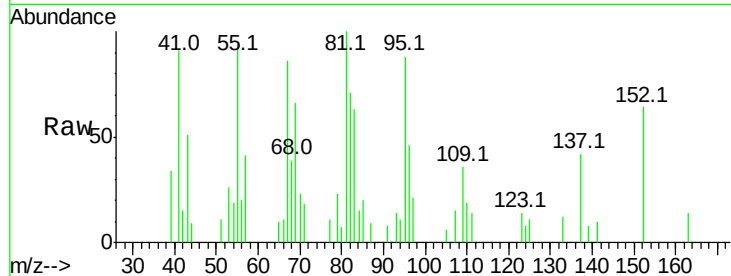




#26  
2-Nitrophenol  
Concen: 5.430 ng  
RT: 7.80 min Scan# 972  
Delta R.T. 0.02 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

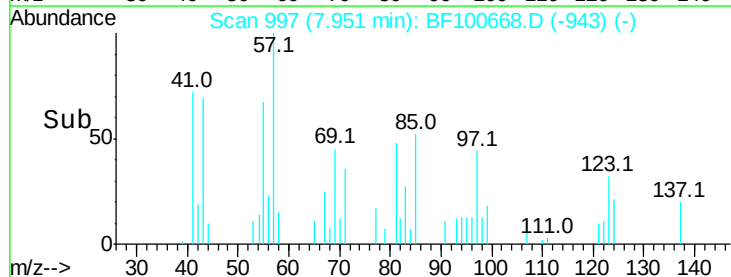
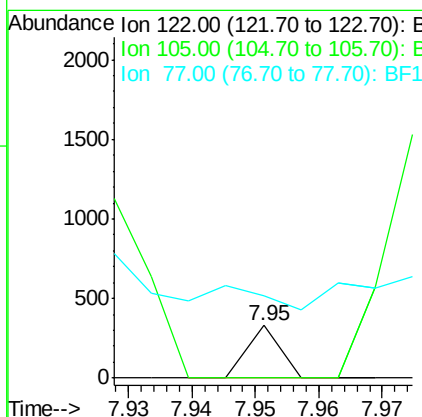
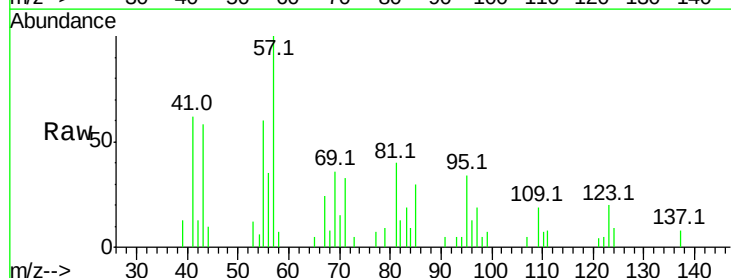
Instrument :  
BNA\_F  
ClientSampled :

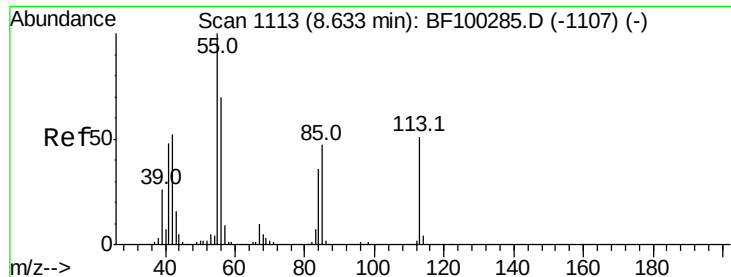
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 476.5 | 22.7  | 34.1# |
| 65      | 130.3 | 40.5  | 60.7# |



#32  
Benzoic acid  
Concen: 9.399 ng  
RT: 7.95 min Scan# 997  
Delta R.T. 0.02 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 101.1 | 141.1# |
| 77      | 155.8 | 70.7  | 110.7# |

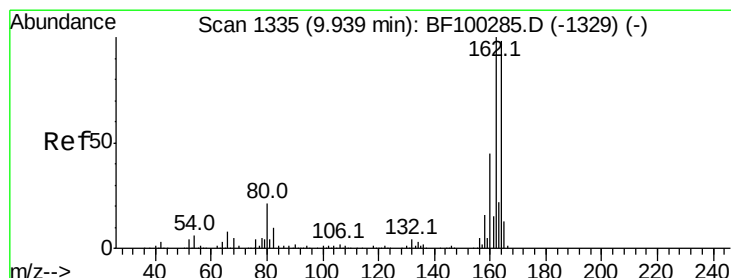
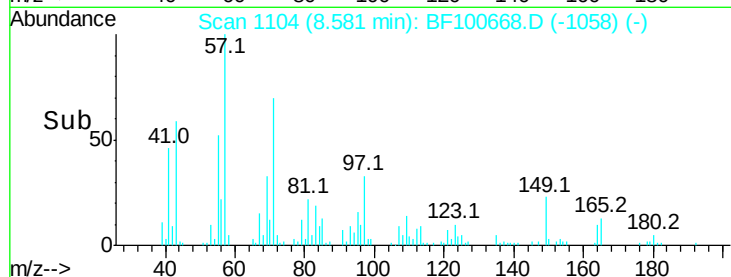
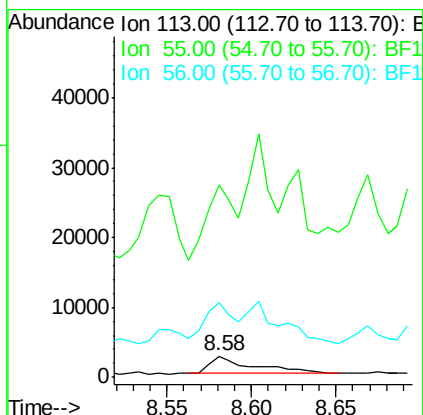
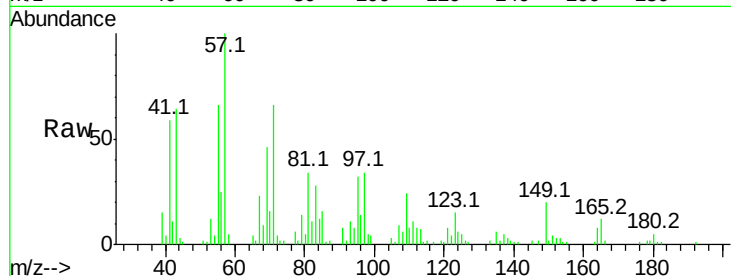




#35  
 Caprolactam  
 Concen: 3.062 ng  
 RT: 8.58 min Scan# 1104  
 Delta R.T. -0.03 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

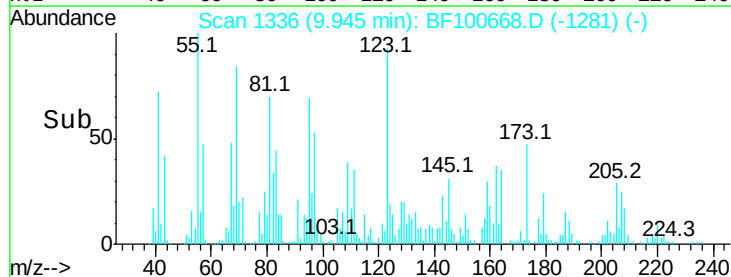
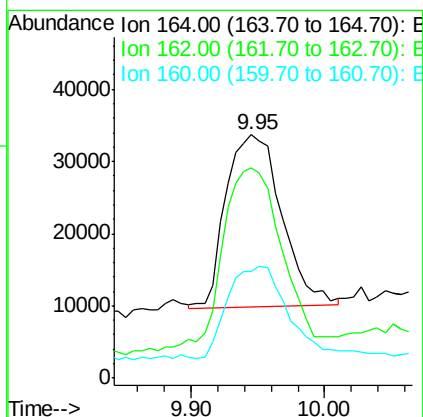
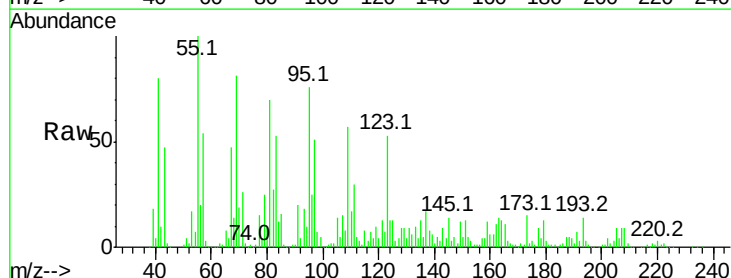
Instrument :  
 BNA\_F  
 ClientSampleId :

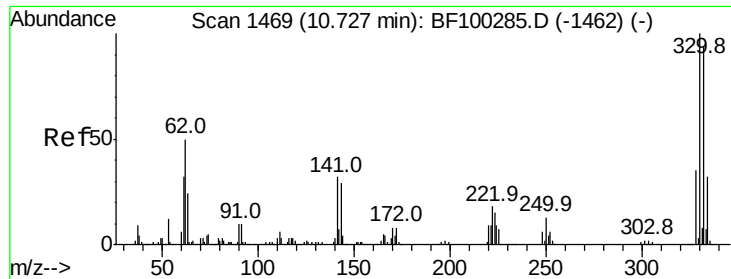
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 Ion Ratio Lower Upper  
 113 100  
 55 909.7 163.3 203.3#  
 56 351.4 115.7 155.7#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.95 min Scan# 1336  
 Delta R.T. 0.02 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

Tgt Ion:164 Resp: 69385  
 Ion Ratio Lower Upper  
 164 100  
 162 86.6 86.1 129.1  
 160 43.9 38.3 57.5

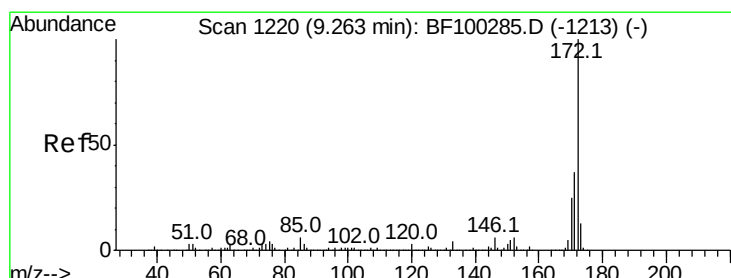
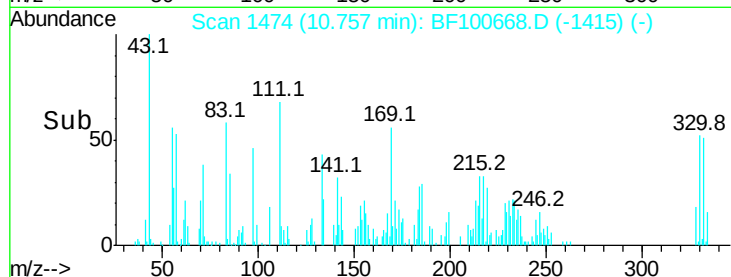
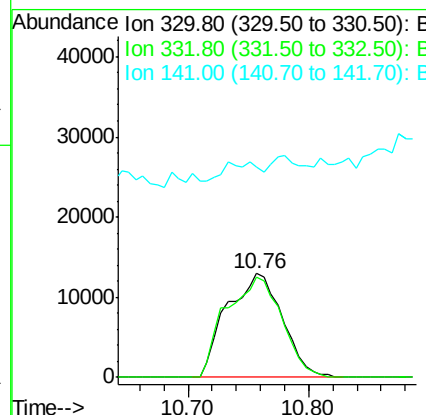
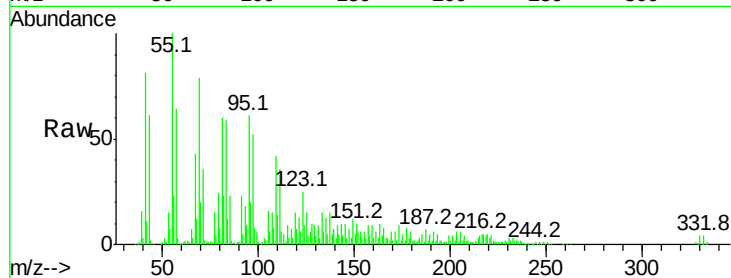




#41  
 2,4,6-Tribromophenol  
 Concen: 58.105 ng  
 RT: 10.76 min Scan# 1474  
 Delta R.T. 0.05 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

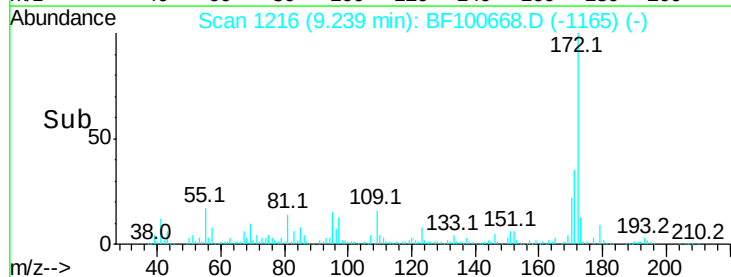
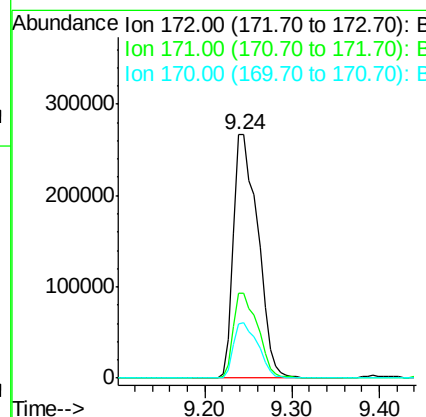
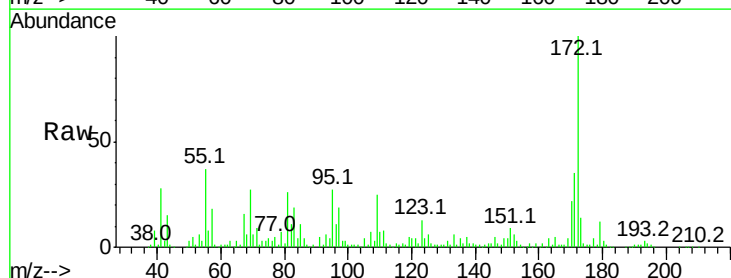
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 41082  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 77.0 115.6  
 141 0.0 29.9 44.9#

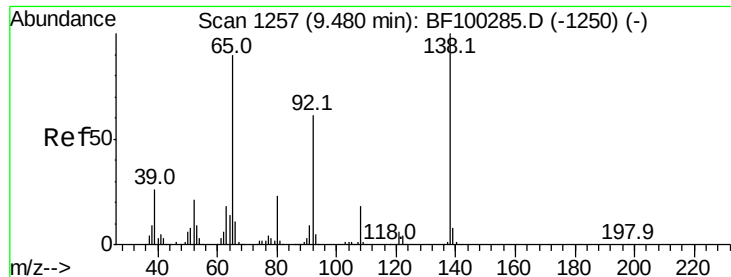


#44  
 2-Fluorobiphenyl  
 Concen: 111.811 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. 0.00 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

Tgt Ion:172 Resp: 509488  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 29.7 44.5  
 170 22.5 19.6 29.4



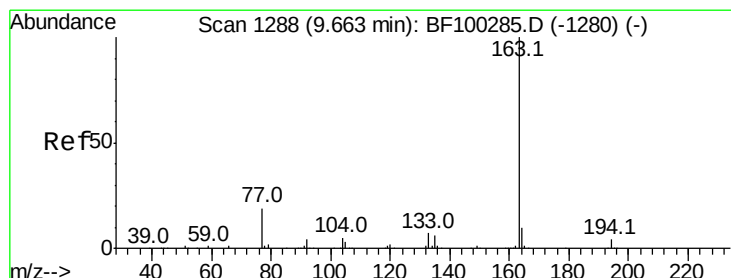
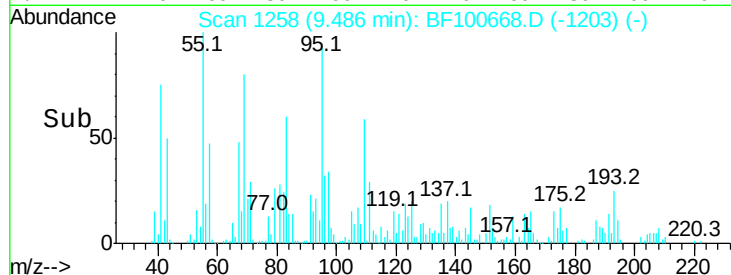
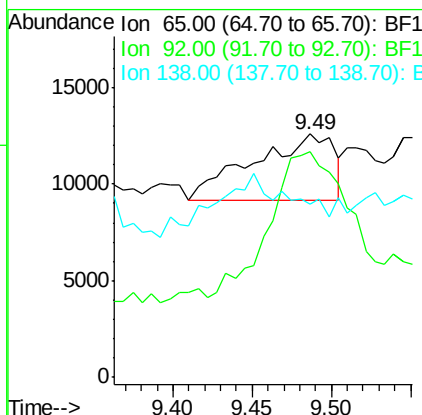
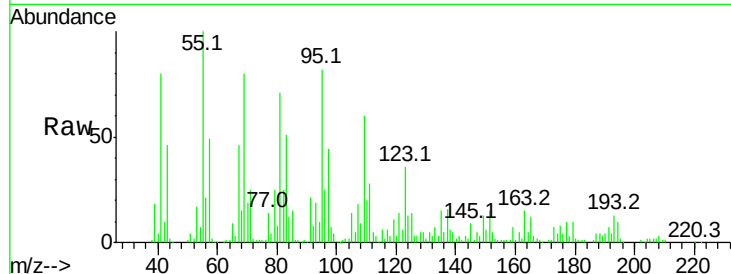




#47  
2-Nitroaniline  
Concen: 11.510 ng  
RT: 9.49 min Scan# 1258  
Delta R.T. 0.02 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

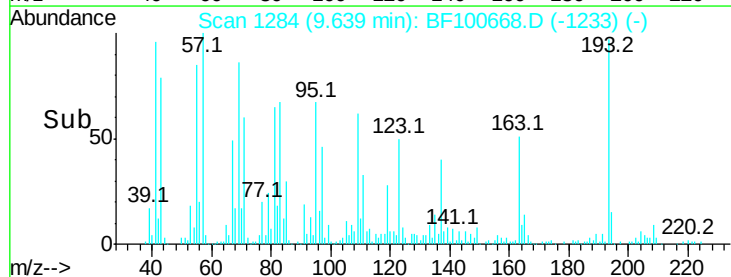
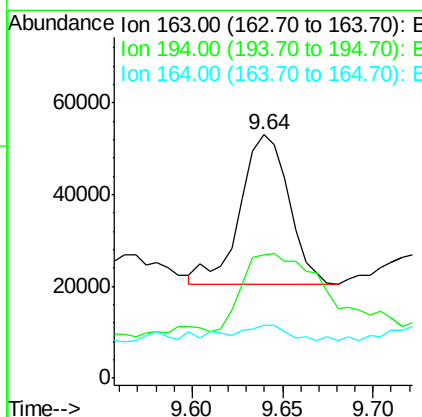
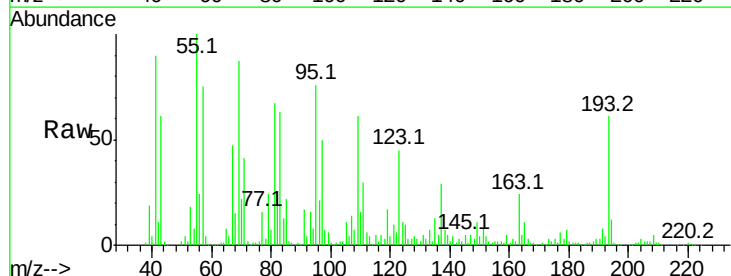
Instrument :  
BNA\_F  
ClientSampled :

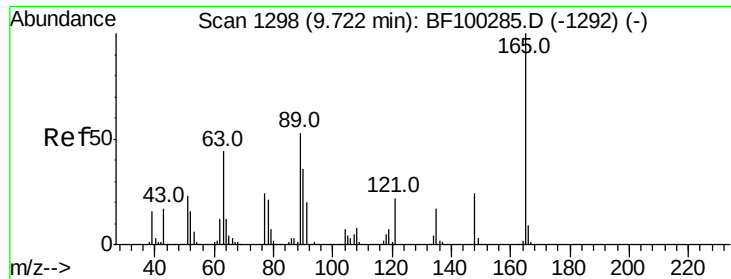
Tot Ion: 65 Resp: 11917  
Ion Ratio Lower Upper  
65 100  
92 93.0 55.8 83.6#  
138 71.3 91.2 136.8#



#49  
Dimethylphthalate  
Concen: 11.354 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. 0.00 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

Tgt Ion:163 Resp: 60147  
Ion Ratio Lower Upper  
163 100  
194 50.6 2.7 4.1#  
164 21.6 8.2 12.2#

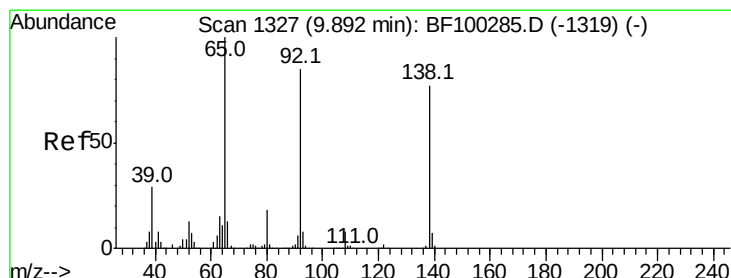
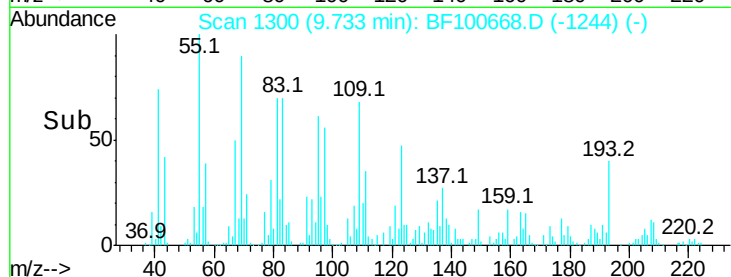
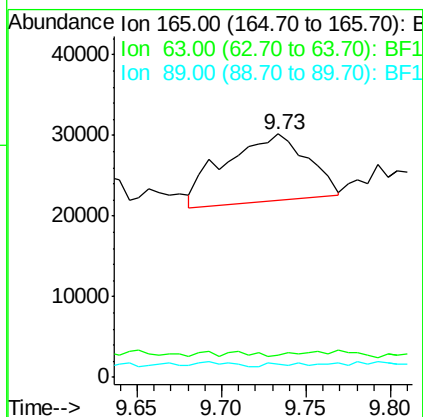
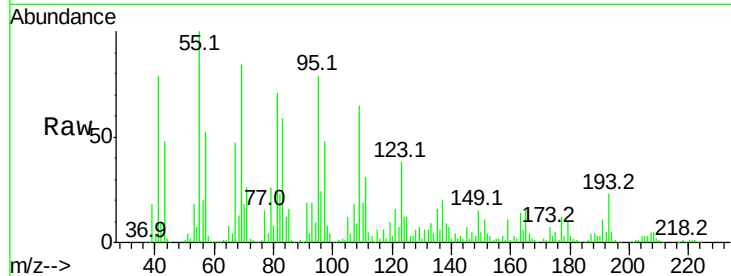




#50  
 2,6-Dinitrotoluene  
 Concen: 27.008 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. 0.03 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

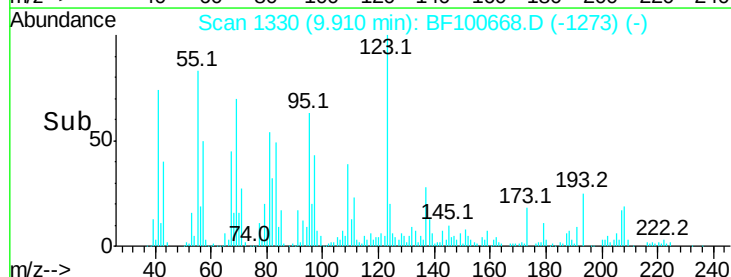
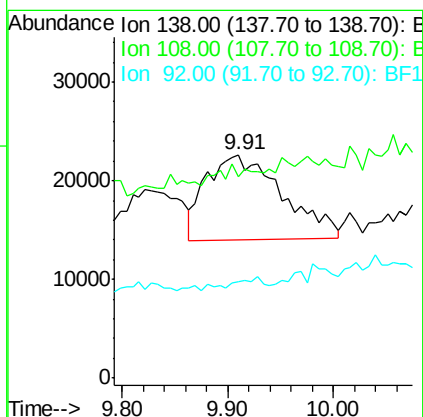
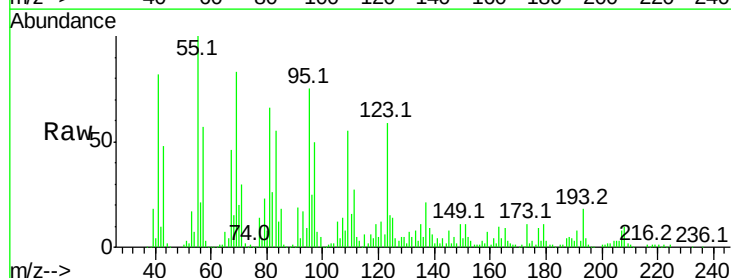
Instrument :  
 BNA\_F  
 ClientSampled :

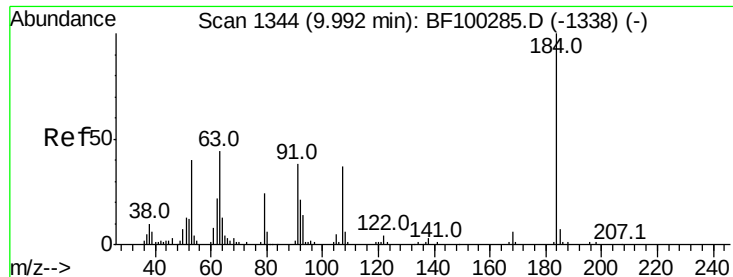
Tot Ion:165 Resp: 28322  
 Ion Ratio Lower Upper  
 165 100  
 63 9.2 44.7 67.1#  
 89 5.7 44.0 66.0#



#52  
 3-Nitroaniline  
 Concen: 34.894 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. 0.04 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

Tgt Ion:138 Resp: 43208  
 Ion Ratio Lower Upper  
 138 100  
 108 89.9 9.4 14.0#  
 92 43.0 89.4 134.2#

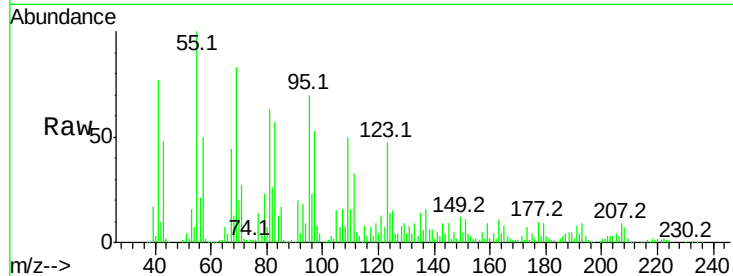




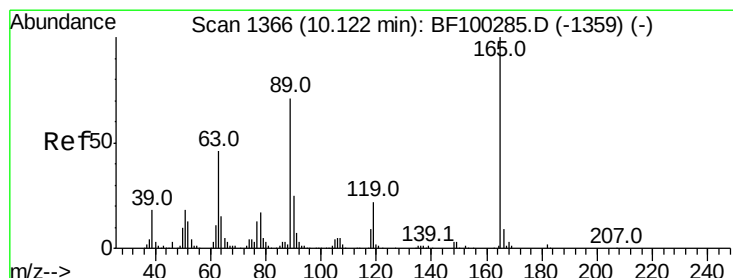
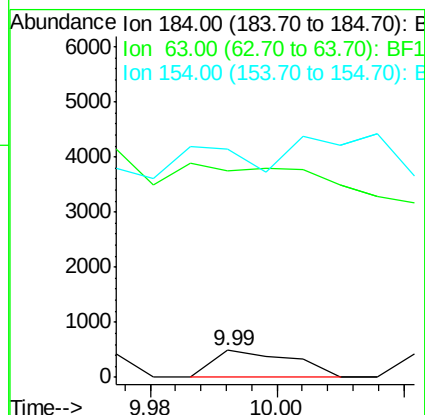
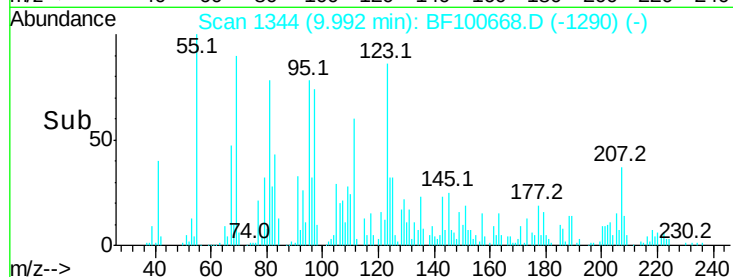
#53  
2,4-Dinitrophenol  
Concen: 9.105 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. 0.02 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 429  
Ion Ratio Lower Upper  
184 100  
63 766.6 54.2 81.2#  
154 849.8 184.0 276.0#

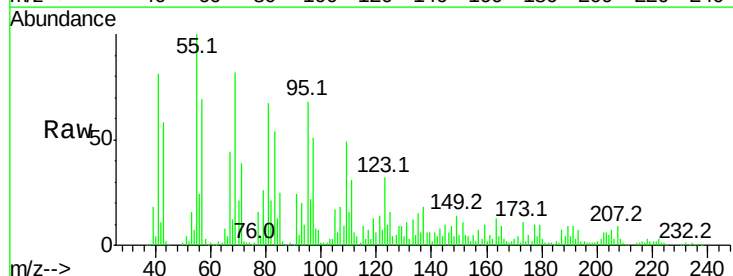


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

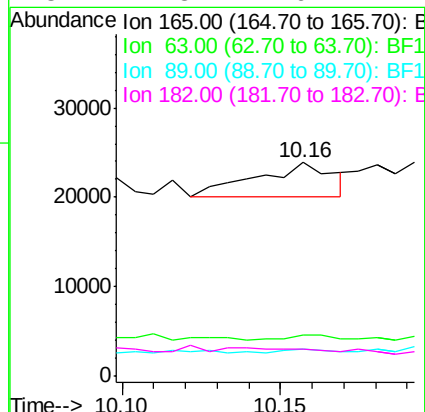
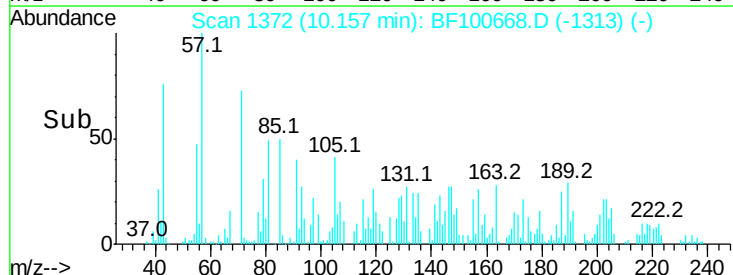


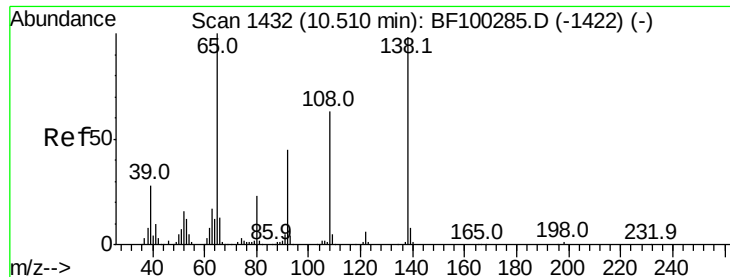
#56  
2,4-Dinitrotoluene  
Concen: 4.944 ng  
RT: 10.16 min Scan# 1372  
Delta R.T. 0.05 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

Tgt Ion:165 Resp: 6540  
Ion Ratio Lower Upper  
165 100  
63 19.4 36.4 54.6#  
89 12.5 57.8 86.6#  
182 12.3 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

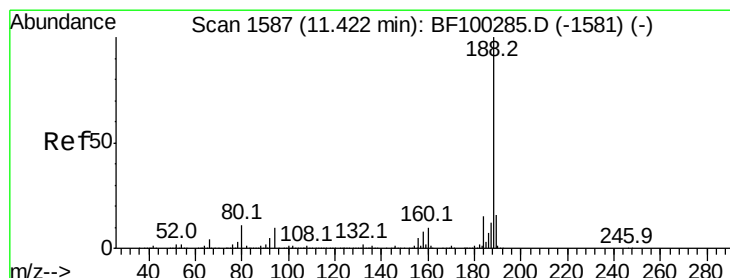
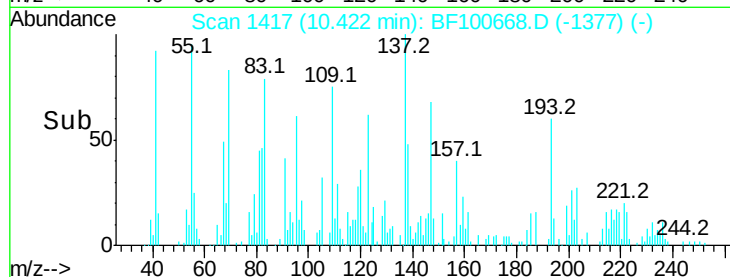
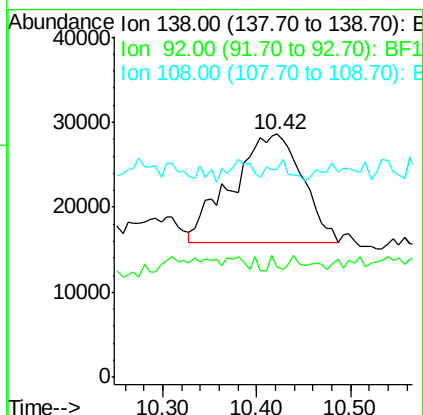
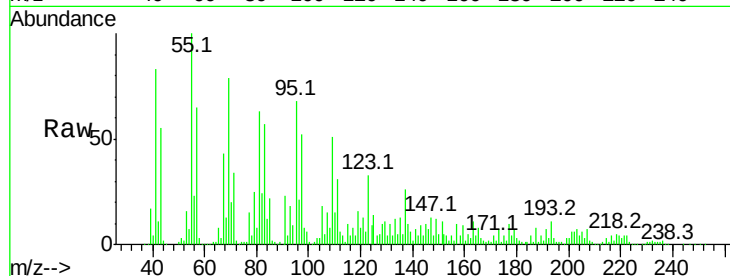




#61  
4-Nitroaniline  
Concen: 57.080 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.06 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

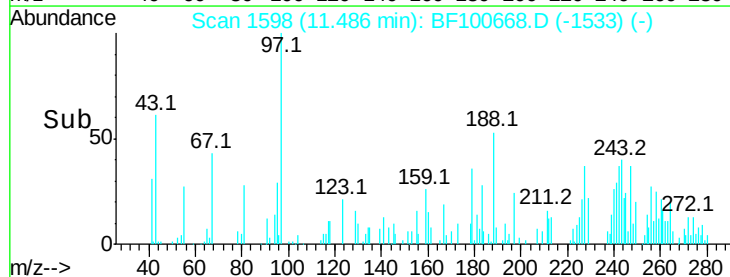
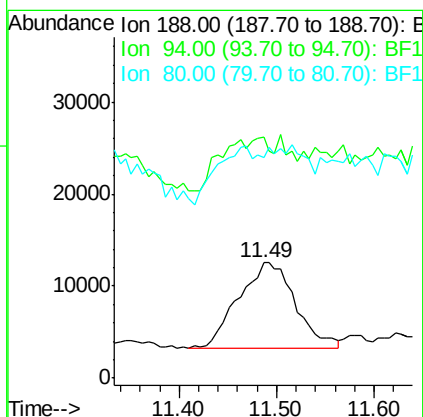
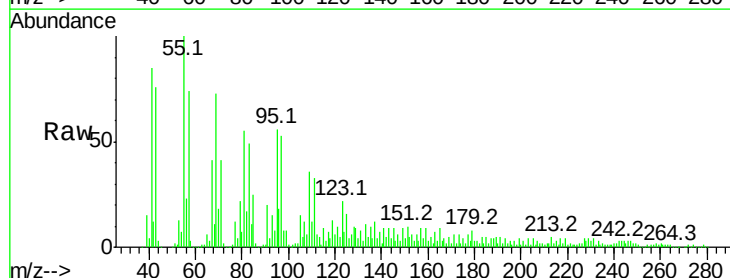
Instrument :  
BNA\_F  
ClientSampled :

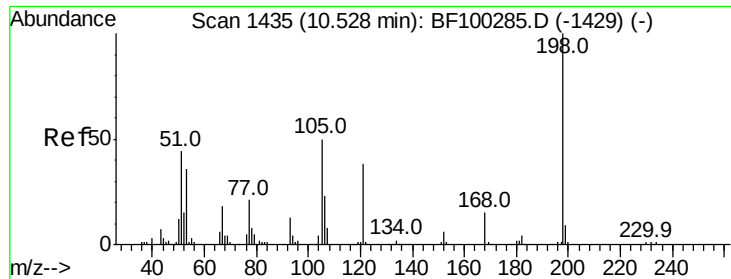
Tot Ion:138 Resp: 67021  
Ion Ratio Lower Upper  
138 100  
92 45.2 30.2 70.2  
108 85.3 52.5 92.5



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1598  
Delta R.T. 0.08 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

Tgt Ion:188 Resp: 37972  
Ion Ratio Lower Upper  
188 100  
94 209.1 8.5 12.7#  
80 191.2 9.2 13.8#

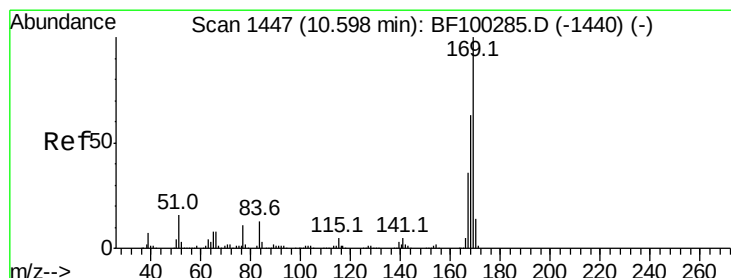
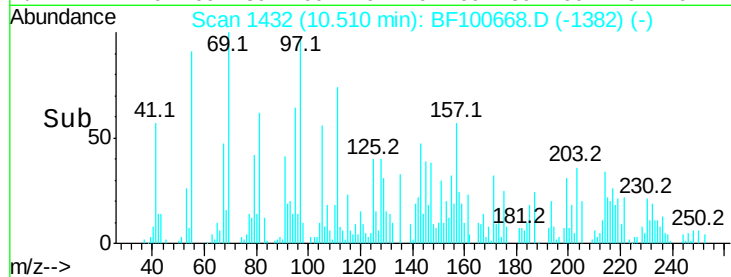
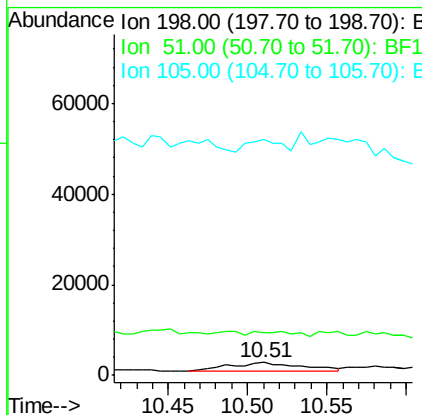
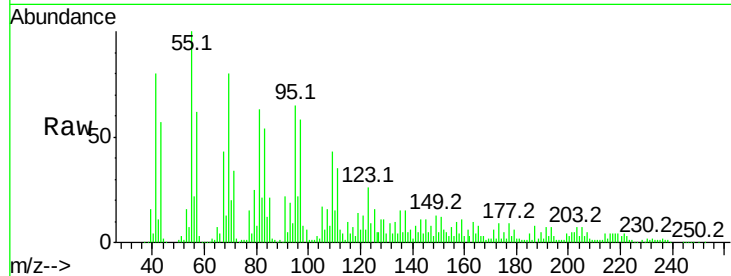




#64  
4,6-Dinitro-2-methylphenol  
Concen: 34.551 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. -0.01 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

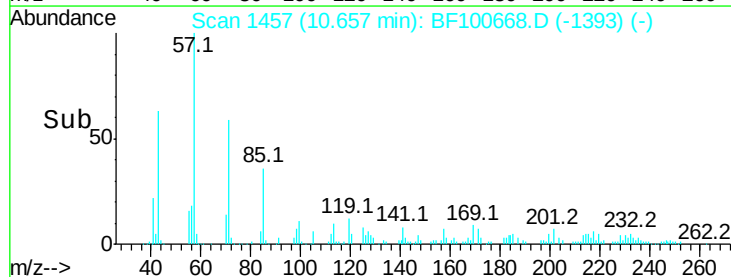
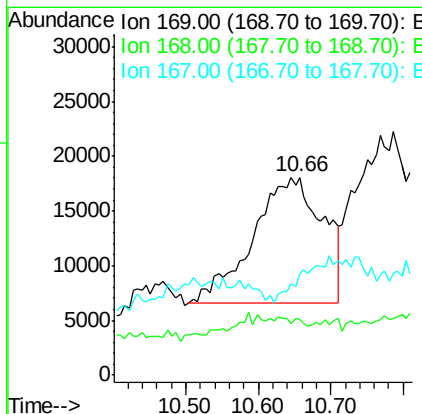
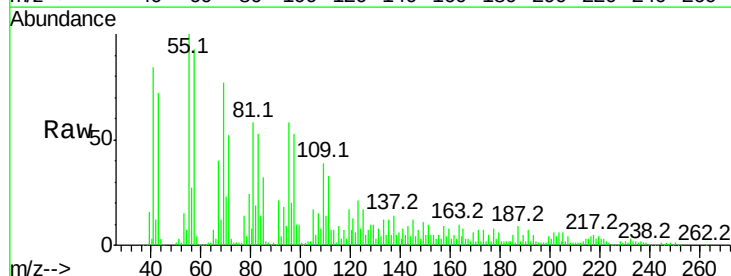
Instrument :  
BNA\_F  
ClientSampled :

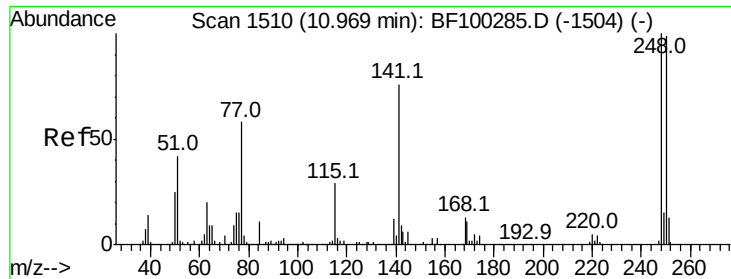
Tot Ion:198 Resp: 6064  
Ion Ratio Lower Upper  
198 100  
51 332.5 37.7 77.7#  
105 1854.2 36.3 76.3#



#65  
n-Nitrosodiphenylamine  
Concen: 58.211 ng  
RT: 10.66 min Scan# 1457  
Delta R.T. 0.08 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

Tgt Ion:169 Resp: 76857  
Ion Ratio Lower Upper  
169 100  
168 28.1 54.4 81.6#  
167 51.6 29.8 44.6#

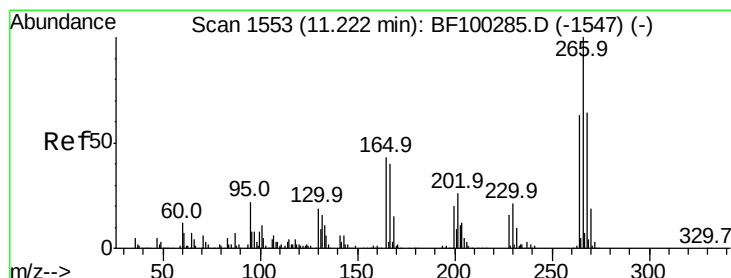
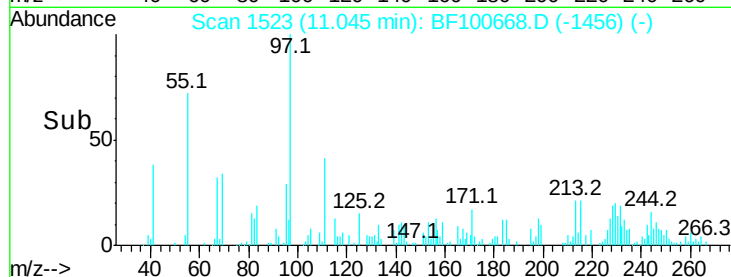
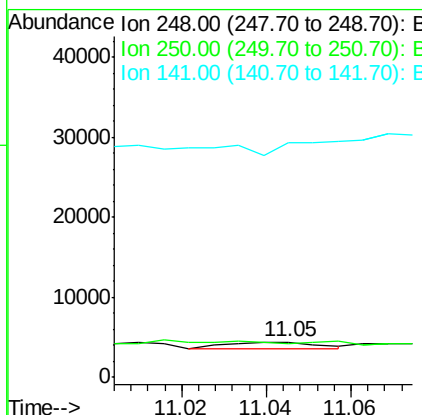
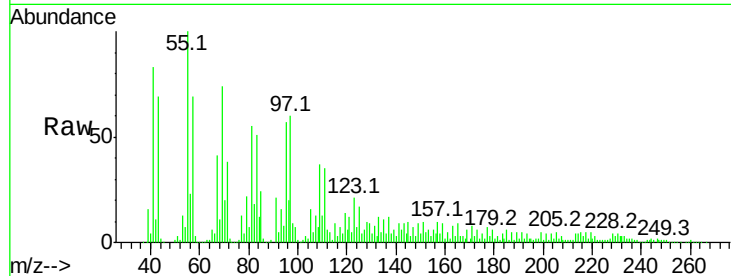




#66  
 4-Bromophenyl-phenylether  
 Concen: 3.334 ng  
 RT: 11.05 min Scan# 1523  
 Delta R.T. 0.09 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

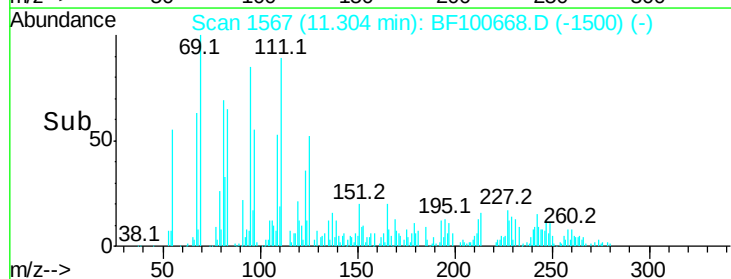
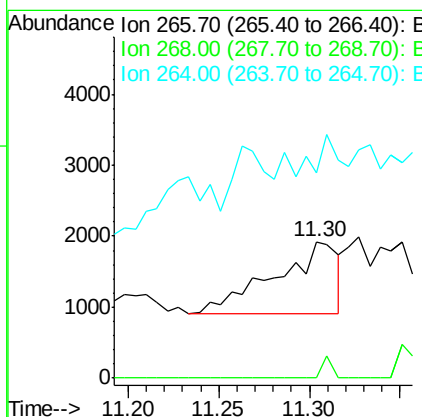
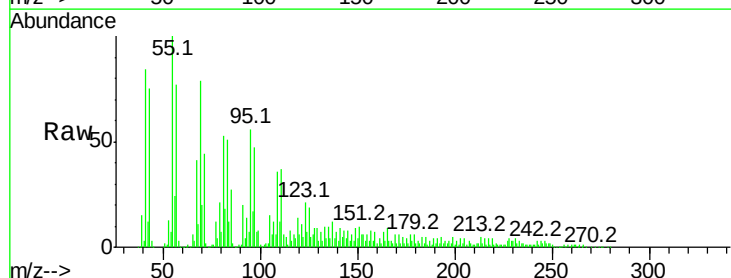
Instrument :  
 BNA\_F  
 ClientSampleId :

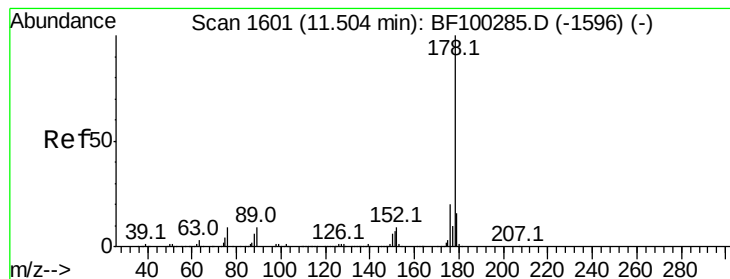
Tot Ion:248 Resp: 1357  
 Ion Ratio Lower Upper  
 248 100  
 250 95.0 76.9 115.3  
 141 664.0 74.4 111.6#



#69  
 Pentachlorophenol  
 Concen: 7.999 ng  
 RT: 11.30 min Scan# 1567  
 Delta R.T. 0.09 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

Tgt Ion:266 Resp: 2442  
 Ion Ratio Lower Upper  
 266 100  
 268 0.0 51.1 76.7#  
 264 150.6 49.5 74.3#

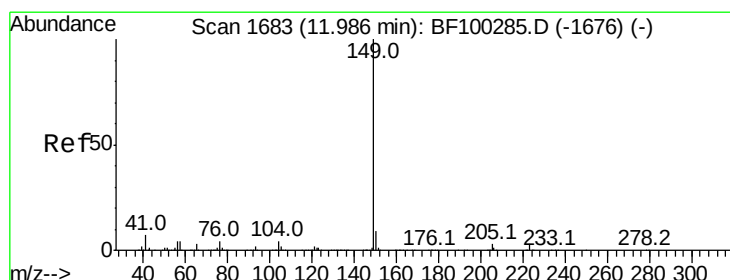
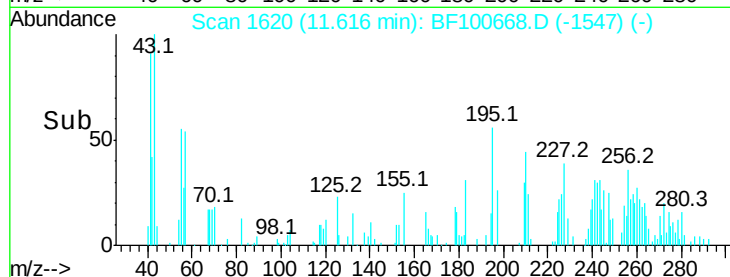
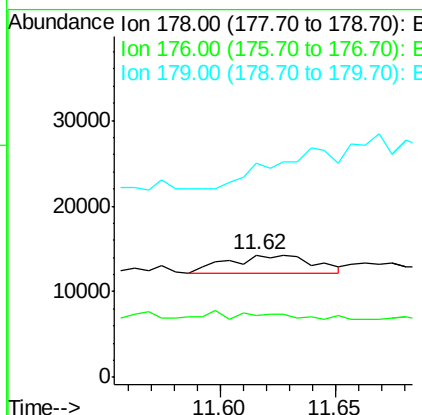
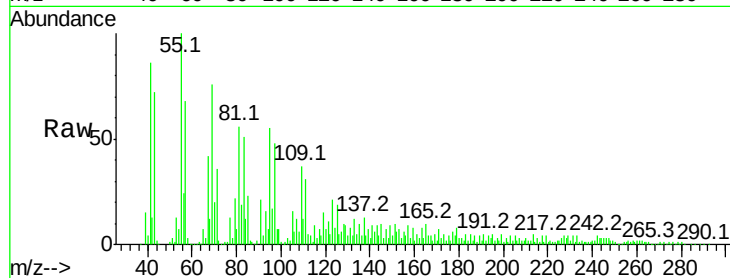




#71  
 Anthracene  
 Concen: 2.766 ng  
 RT: 11.62 min Scan# 1620  
 Delta R.T. 0.13 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

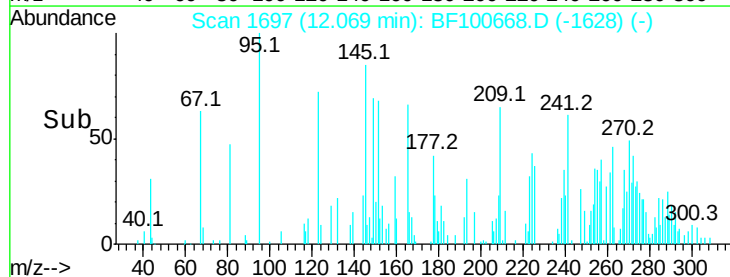
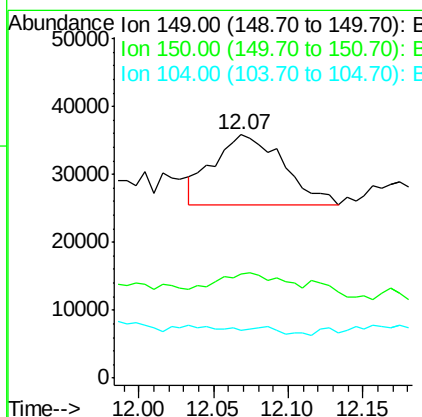
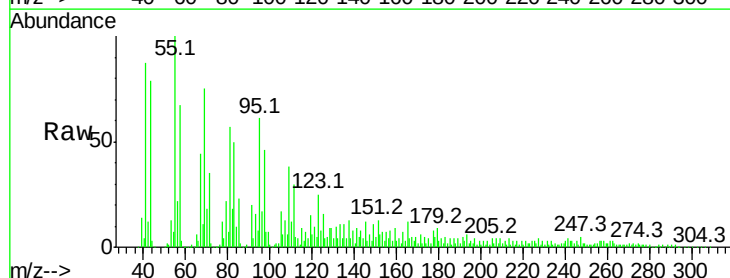
Instrument :  
 BNA\_F  
 ClientSampleId :

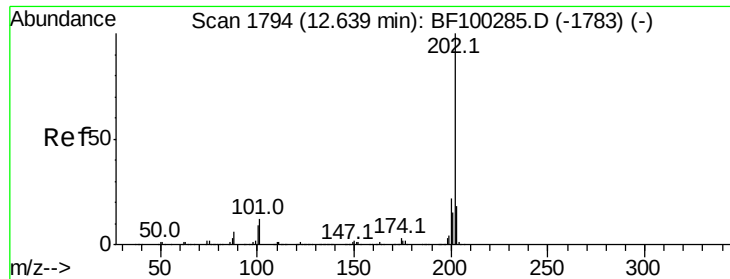
Tot Ion:178 Resp: 5611  
 Ion Ratio Lower Upper  
 178 100  
 176 50.2 15.4 23.2#  
 179 175.5 12.6 19.0#



#73  
 Di-n-butylphthalate  
 Concen: 15.429 ng  
 RT: 12.07 min Scan# 1697  
 Delta R.T. 0.11 min  
 Lab File: BF100668.D  
 Acq: 17 Nov 2017 11:14

Tgt Ion:149 Resp: 33792  
 Ion Ratio Lower Upper  
 149 100  
 150 42.6 7.8 11.6#  
 104 19.9 3.8 5.8#





#74

Fluoranthene

Concen: 5.784 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.11 min

Lab File: BF100668.D

Acq: 17 Nov 2017 11:14

Instrument :

BNA\_F

ClientSampleId :

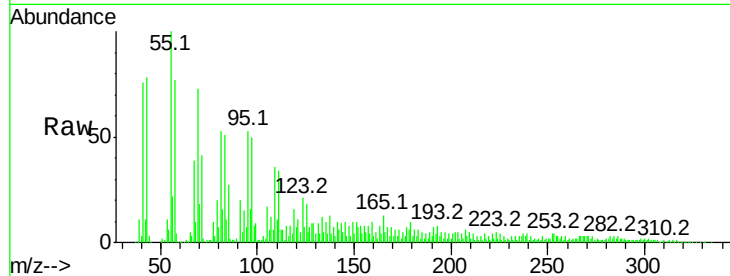
Tot Ion:202 Resp: 12256

Ion Ratio Lower Upper

202 100

101 20.9 0.0 34.1

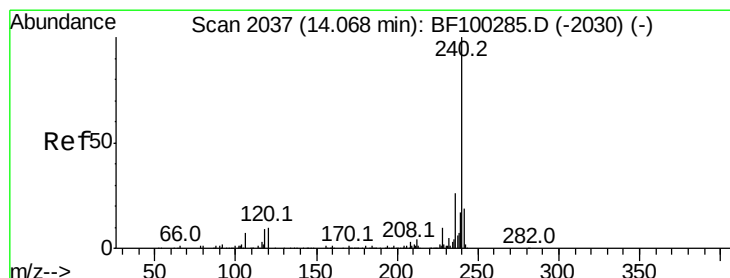
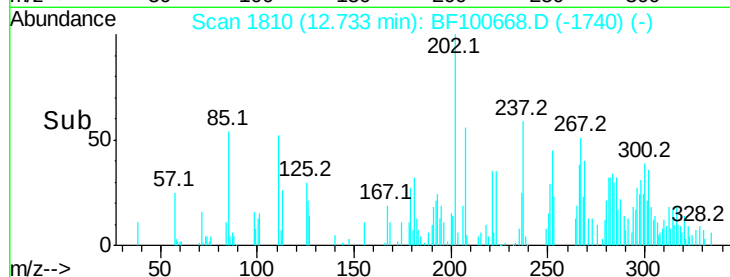
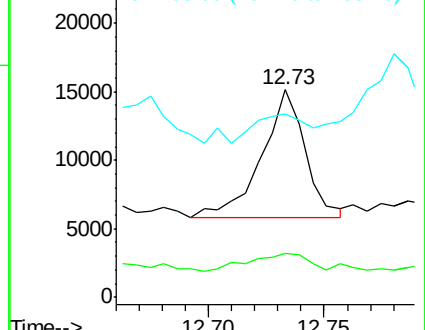
203 88.5 0.0 38.1#



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: 14.09 min Scan# 2041

Delta R.T. 0.05 min

Lab File: BF100668.D

Acq: 17 Nov 2017 11:14

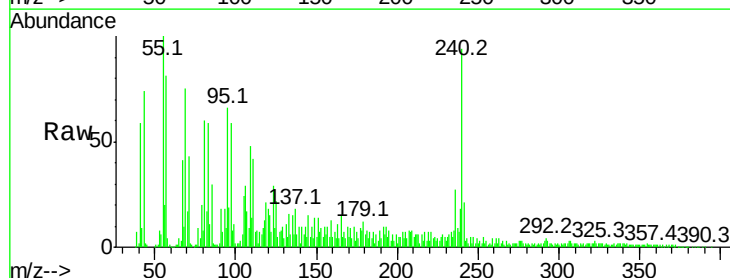
Tgt Ion:240 Resp: 123110

Ion Ratio Lower Upper

240 100

120 18.9 9.5 14.3#

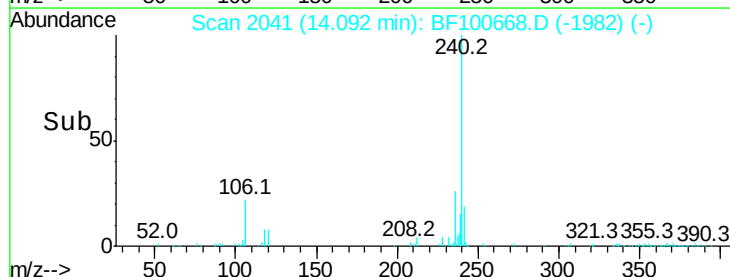
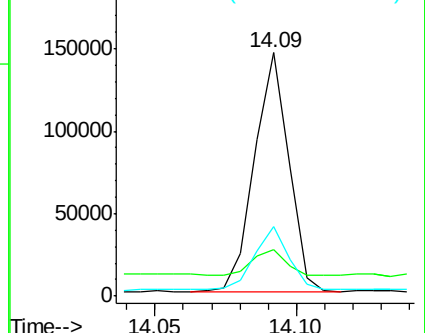
236 28.6 20.7 31.1



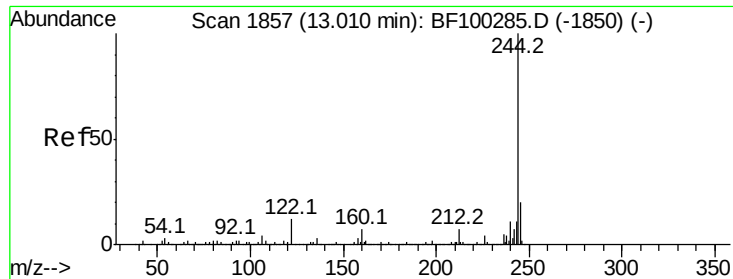
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 20.604 ng

RT: 13.07 min Scan# 1868

Delta R.T. 0.09 min

Lab File: BF100668.D

Acq: 17 Nov 2017 11:14

Instrument :

BNA\_F

ClientSampleId :

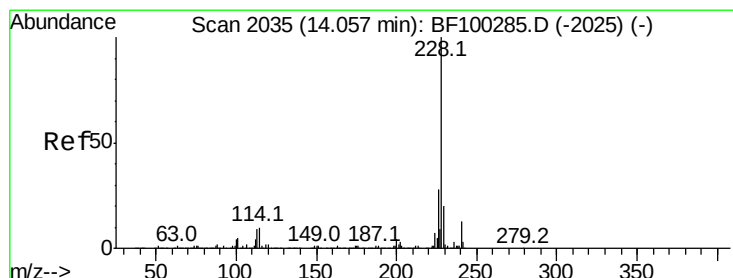
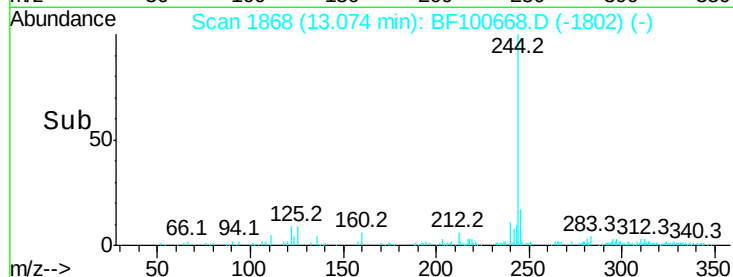
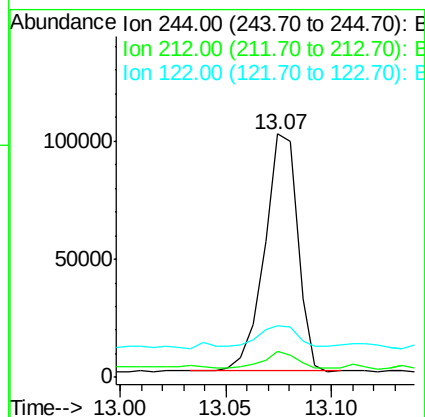
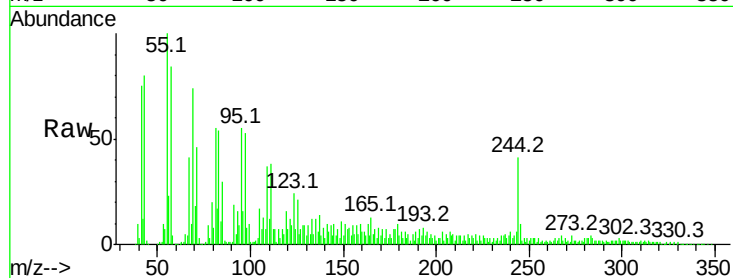
Tot Ion:244 Resp: 110394

Ion Ratio Lower Upper

244 100

212 10.5 5.4 8.0#

122 21.3 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 3.209 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.05 min

Lab File: BF100668.D

Acq: 17 Nov 2017 11:14

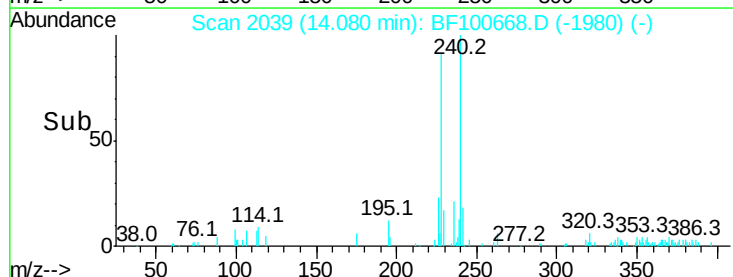
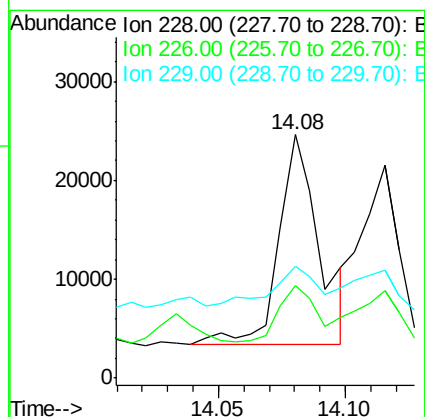
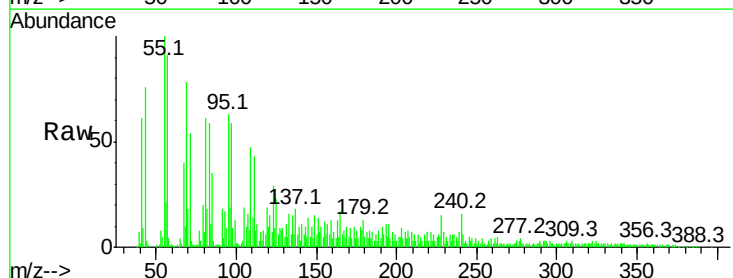
Tgt Ion:228 Resp: 23793

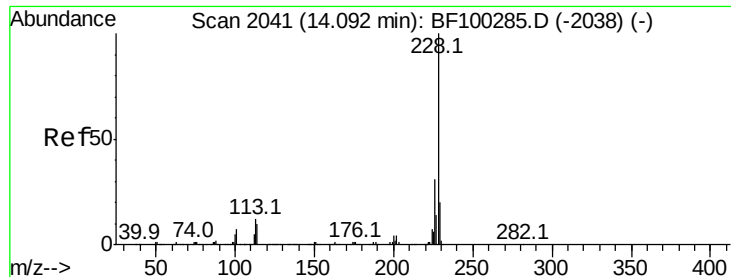
Ion Ratio Lower Upper

228 100

226 38.0 22.6 33.8#

229 45.7 15.8 23.6#





#82

Chrysene

Concen: 2.722 ng

RT: 14.12 min Scan# 2045

Delta R.T. 0.04 min

Lab File: BF100668.D

Acq: 17 Nov 2017 11:14

Instrument :

BNA\_F

ClientSampled :

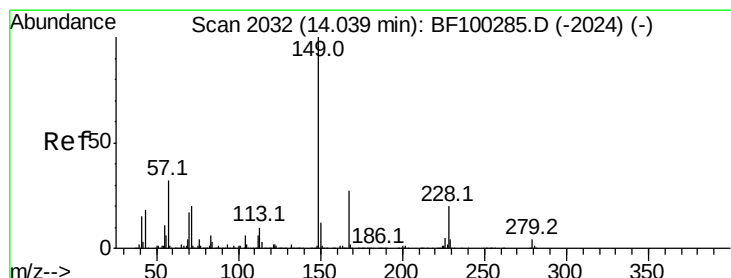
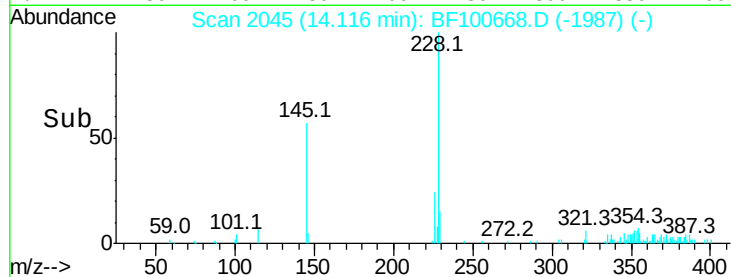
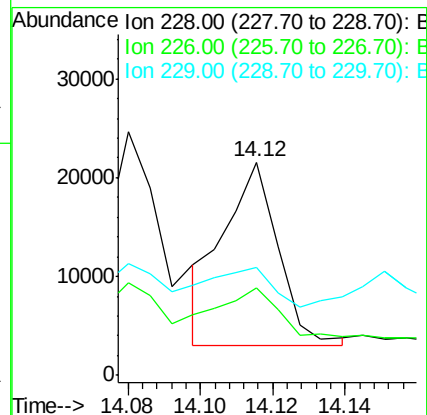
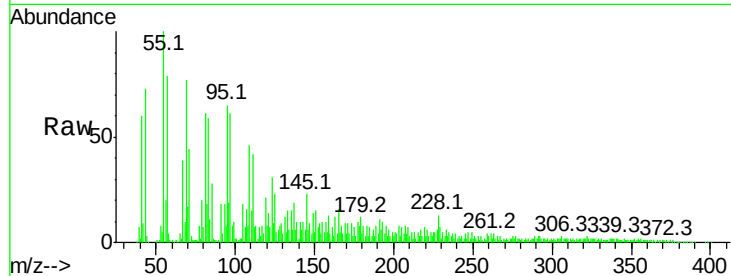
Tot Ion:228 Resp: 19543

Ion Ratio Lower Upper

228 100

226 40.9 25.0 37.6#

229 50.5 16.2 24.4#



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.610 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.02 min

Lab File: BF100668.D

Acq: 17 Nov 2017 11:14

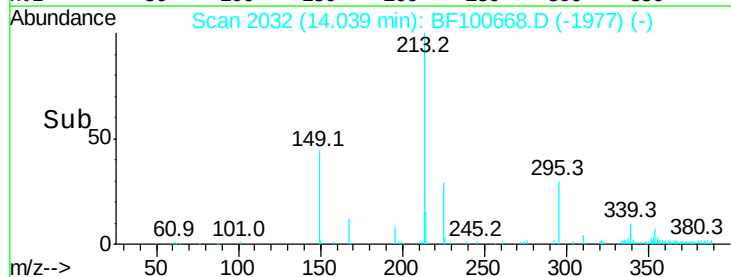
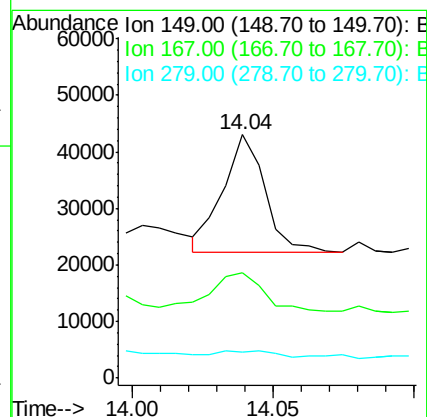
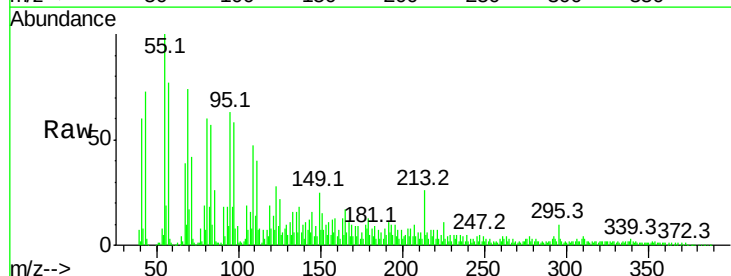
Tgt Ion:149 Resp: 21701

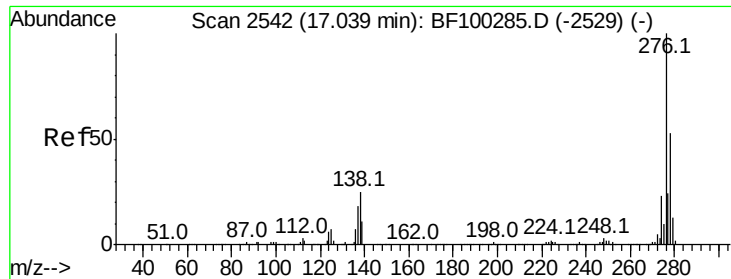
Ion Ratio Lower Upper

149 100

167 43.4 21.3 31.9#

279 10.8 3.0 4.4#

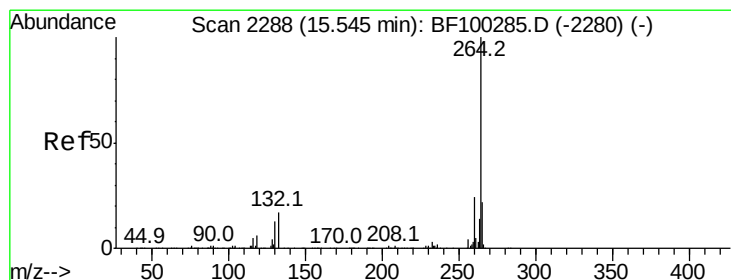
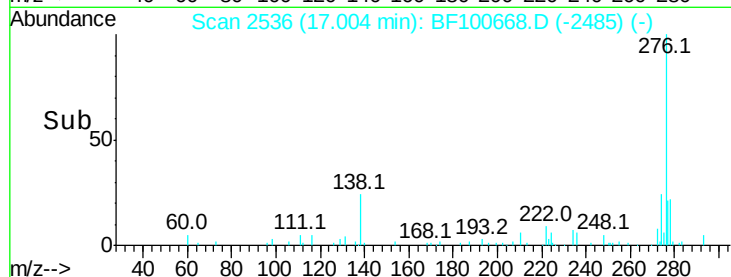
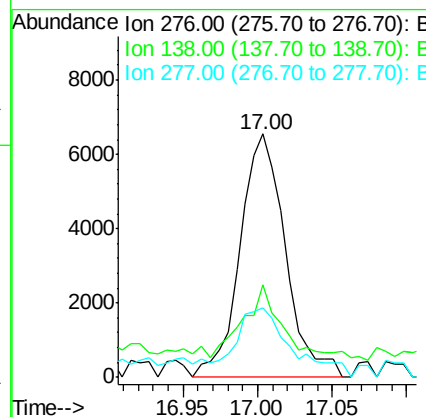
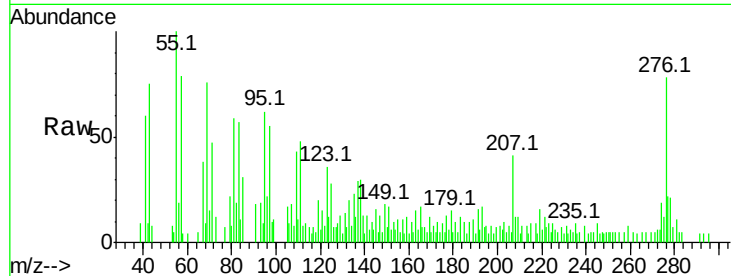




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 2.379 ng  
RT: 17.00 min Scan# 2536  
Delta R.T. 0.00 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

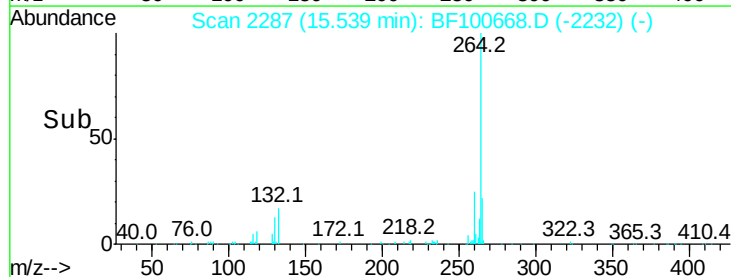
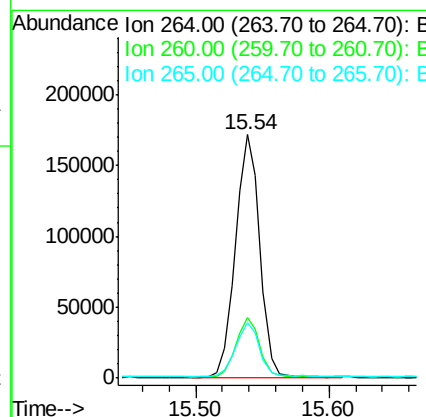
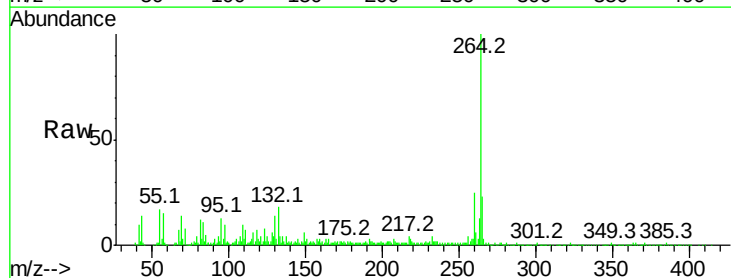
Instrument :  
BNA\_F  
ClientSampleId :

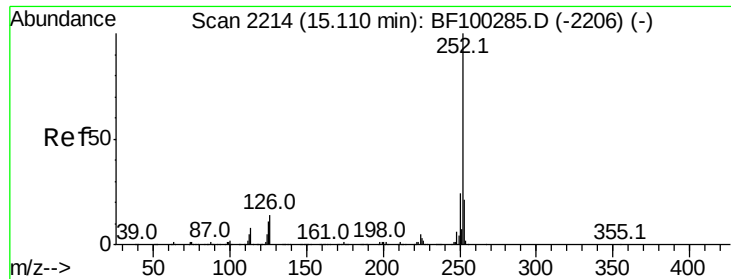
Tot Ion:276 Resp: 13815  
Ion Ratio Lower Upper  
276 100  
138 27.7 25.0 37.6  
277 34.8 20.1 30.1#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.54 min Scan# 2287  
Delta R.T. 0.02 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

Tgt Ion:264 Resp: 218228  
Ion Ratio Lower Upper  
264 100  
260 25.0 19.2 28.8  
265 22.8 17.5 26.3

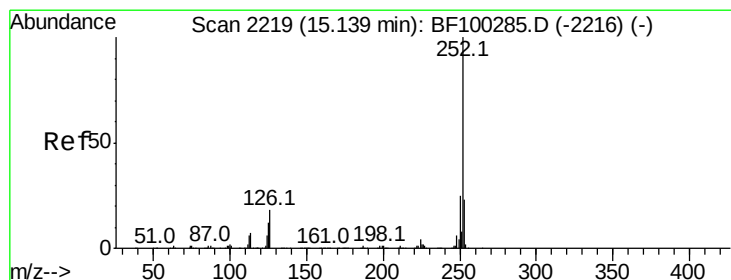
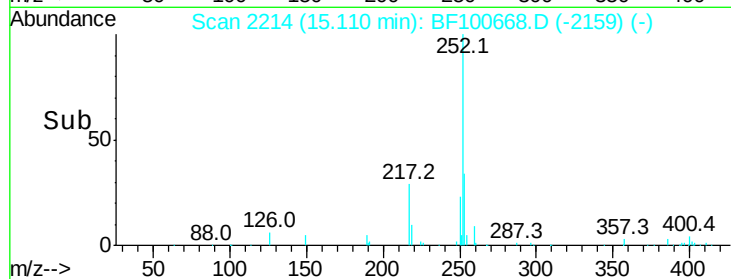
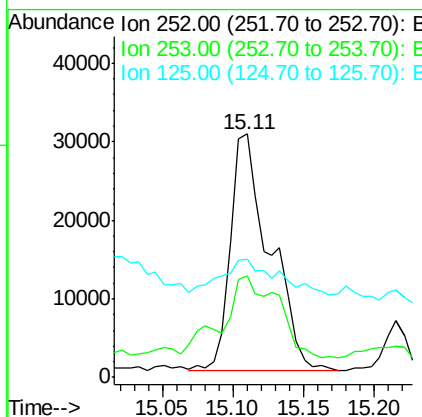
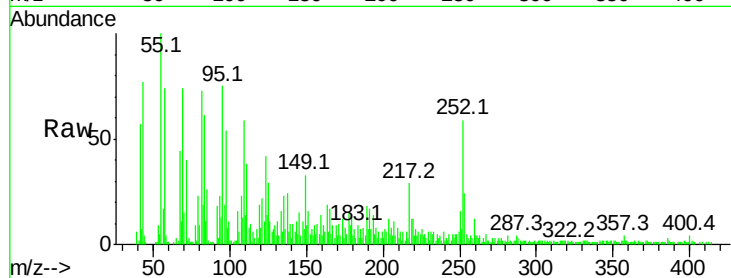




#87  
Benzo(b)fluoranthene  
Concen: 4.536 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. 0.02 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

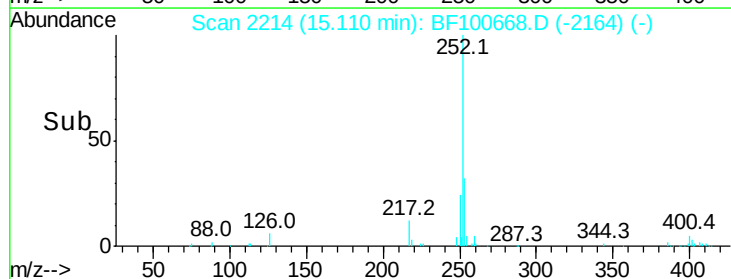
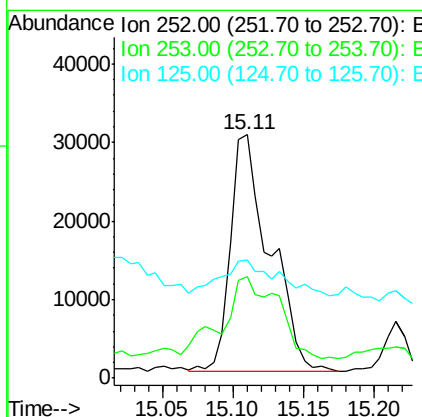
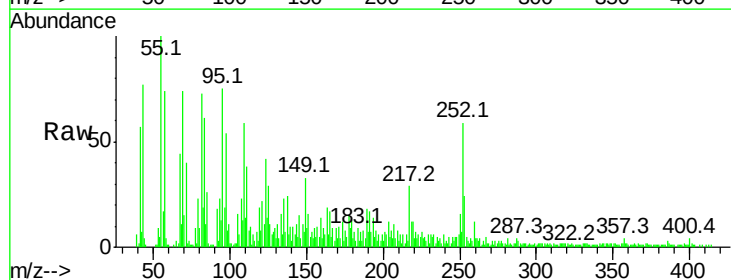
Instrument :  
BNA\_F  
ClientSampleId :

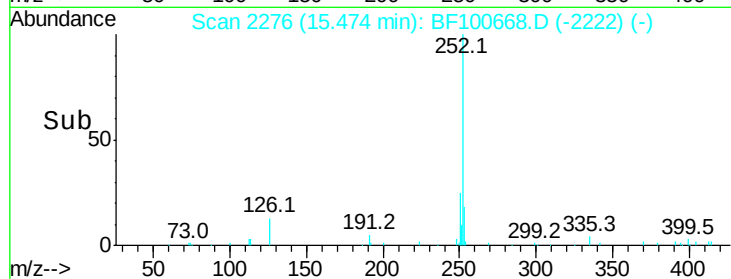
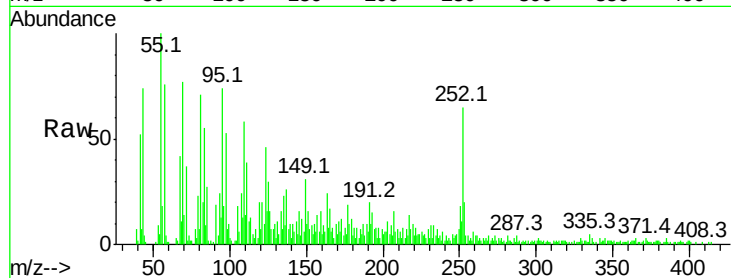
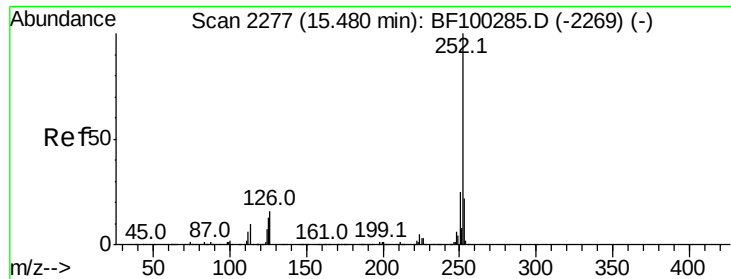
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 41.5  | 17.0  | 25.6# |
| 125     | 48.7  | 9.0   | 13.6# |



#88  
Benzo(k)fluoranthene  
Concen: 4.800 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. -0.01 min  
Lab File: BF100668.D  
Acq: 17 Nov 2017 11:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 41.5  | 17.9  | 26.9# |
| 125     | 48.7  | 10.2  | 15.2# |





#89

Benzo(a)pyrene

Concen: 2.232 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.02 min

Lab File: BF100668.D

Acq: 17 Nov 2017 11:14

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:252 Resp: 25582

Ion Ratio Lower Upper

252 100

253 30.9 17.1 25.7#

125 46.3 9.8 14.6#

