

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF070518\  
 Data File : BF107123.D  
 Acq On : 5 Jul 2018 13:34  
 Operator : JU/SJ  
 Sample : J3853-11  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-10

Quant Time: Jul 05 13:57:33 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

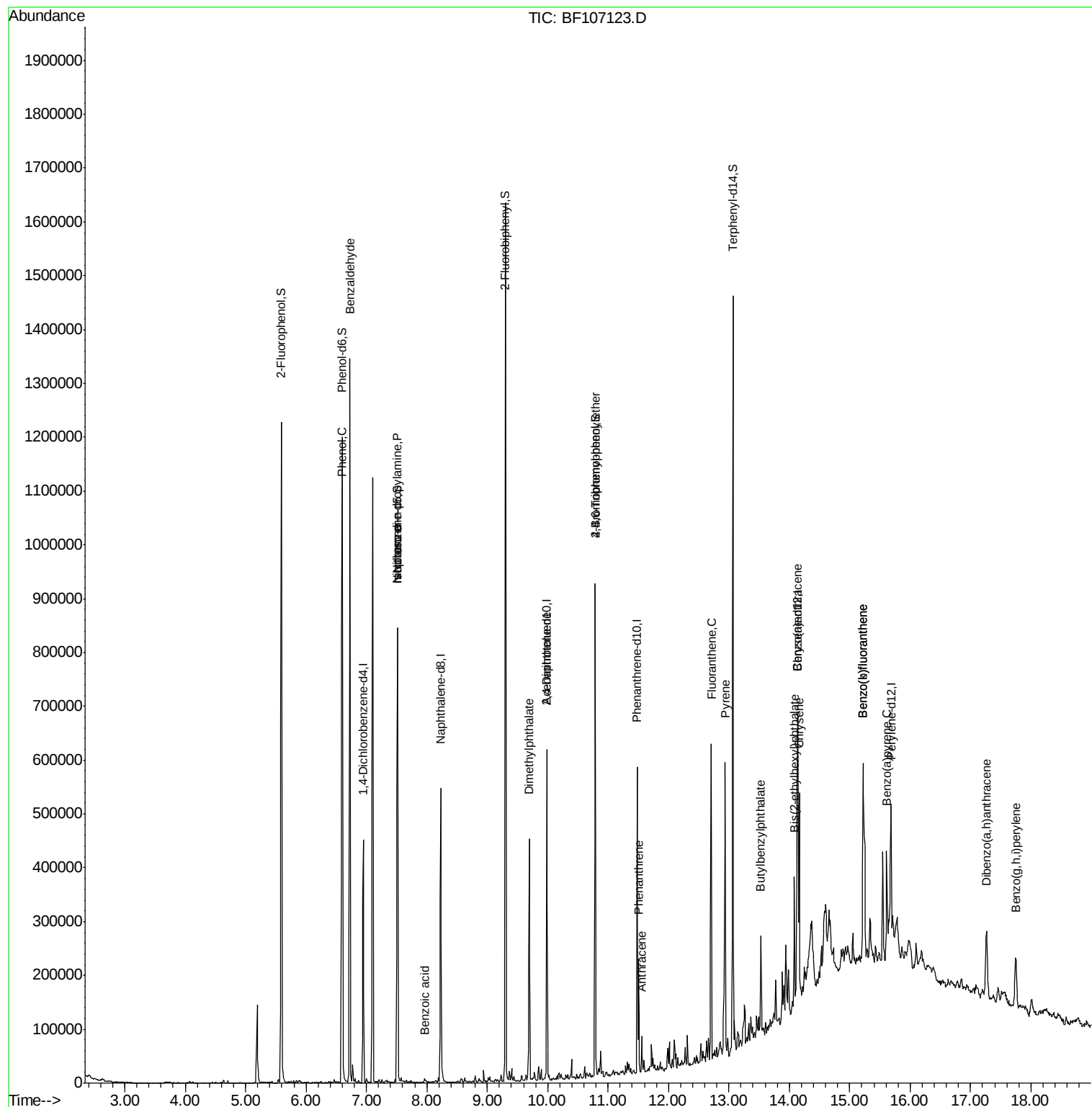
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 64032    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.23  | 136  | 242810   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.99  | 164  | 116858   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.48 | 188  | 198692   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 14.14 | 240  | 166339   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.68 | 264  | 137224   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 392330   | 103.75 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 492307   | 104.25 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.51  | 82   | 318994   | 73.01  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.79 | 330  | 145814   | 107.66 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.30  | 172  | 573248   | 82.62  | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.07 | 244  | 537192   | 78.23  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.72  | 77   | 8809     | 2.220  | ng    | 83       |
| 10) Phenol                     | 6.61  | 94   | 12934    | 2.400  | ng    | 85       |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 41573    | 13.356 | ng    | # 75     |
| 25) Isophorone                 | 7.51  | 82   | 318993   | 41.432 | ng    | # 64     |
| 32) Benzoic acid               | 7.98  | 122  | 248      | 5.823  | ng    | # 50     |
| 49) Dimethylphthalate          | 9.70  | 163  | 160772   | 18.344 | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.99  | 165  | 15366    | 6.343  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 9162     | 3.864  | ng    | # 1      |
| 70) Phenanthrene               | 11.51 | 178  | 71763    | 7.488  | ng    | 98       |
| 71) Anthracene                 | 11.56 | 178  | 24039    | 2.458  | ng    | 99       |
| 74) Fluoranthene               | 12.71 | 202  | 257109   | 24.341 | ng    | 94       |
| 77) Pyrene                     | 12.94 | 202  | 224714   | 20.486 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.53 | 149  | 41895    | 9.290  | ng    | 98       |
| 80) Benzo(a)anthracene         | 14.13 | 228  | 114814   | 11.325 | ng    | 95       |
| 82) Chrysene                   | 14.17 | 228  | 163875   | 17.570 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.08 | 149  | 65559    | 11.370 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 15.22 | 252  | 304859   | 35.764 | ng    | 96       |
| 88) Benzo(k)fluoranthene       | 15.22 | 252  | 304859   | 37.555 | ng    | # 96     |
| 89) Benzo(a)pyrene             | 15.61 | 252  | 108809   | 14.359 | ng    | 94       |
| 90) Dibenzo(a,h)anthracene     | 17.27 | 278  | 18671    | 2.907  | ng    | # 71     |
| 91) Benzo(g,h,i)perylene       | 17.75 | 276  | 78471    | 12.501 | ng    | # 91     |

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

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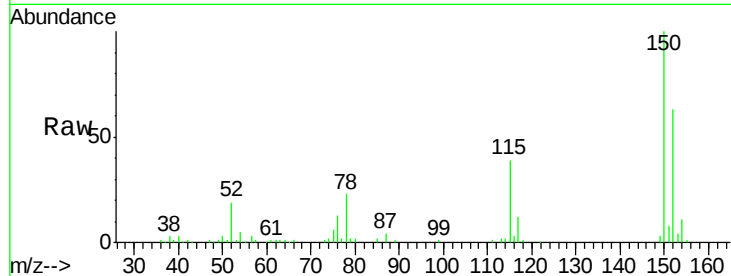




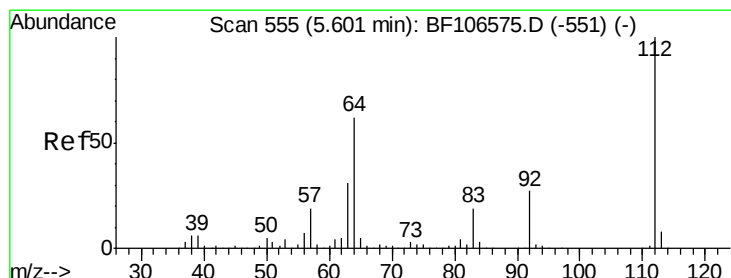
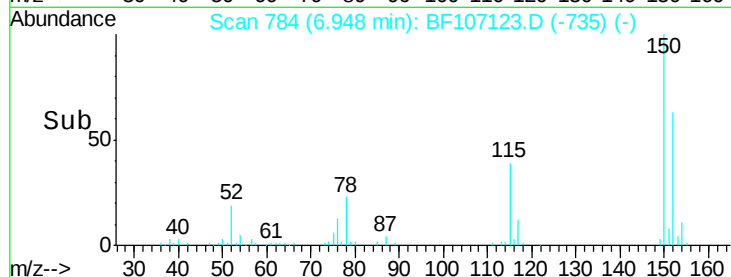
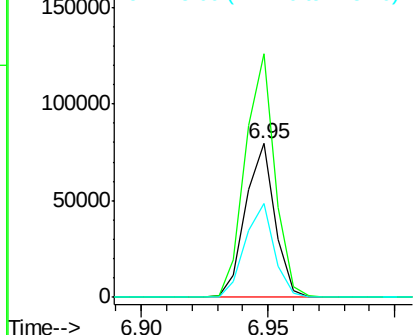
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 784  
 Delta R.T. -0.01 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-10

Tgt Ion:152 Resp: 64032  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 124.6 186.8  
 115 61.2 50.1 75.1

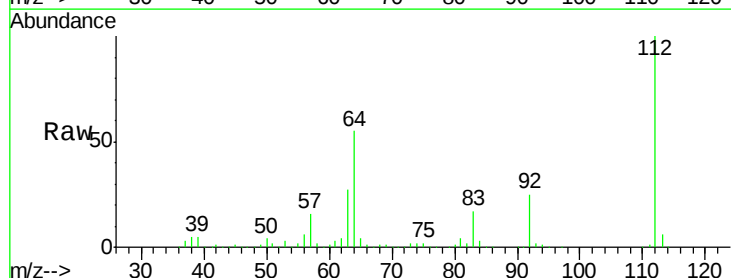


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

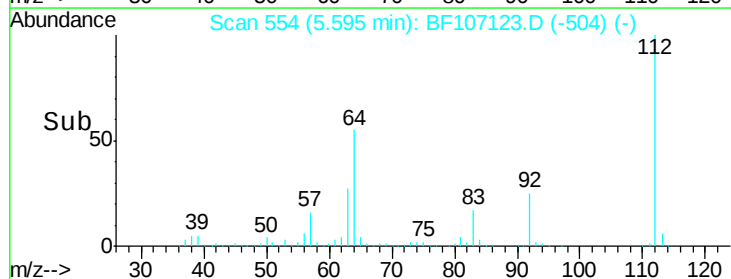
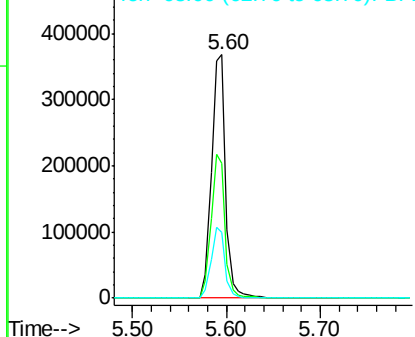


#5  
 2-Fluorophenol  
 Concen: 103.751 ng  
 RT: 5.60 min Scan# 554  
 Delta R.T. -0.01 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

Tgt Ion:112 Resp: 392330  
 Ion Ratio Lower Upper  
 112 100  
 64 55.3 47.9 71.9  
 63 26.8 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: 104.252 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA\_F

ClientSampleId :

B-10

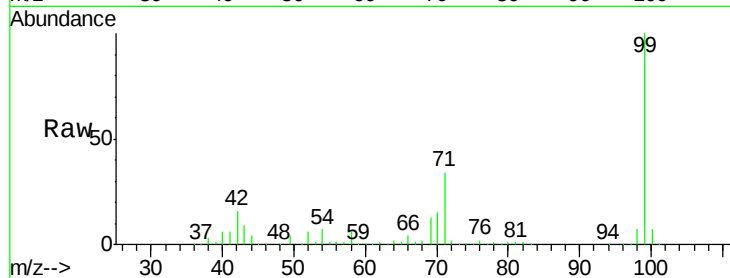
Tgt Ion: 99 Resp: 492307

Ion Ratio Lower Upper

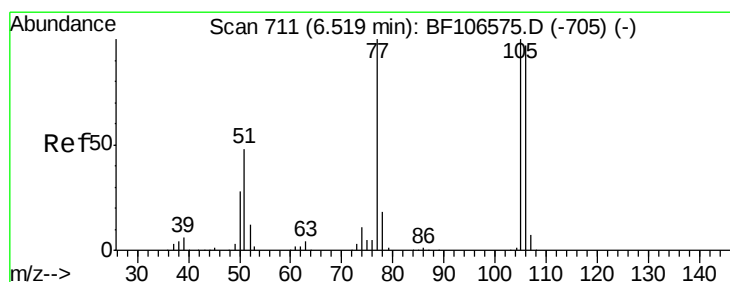
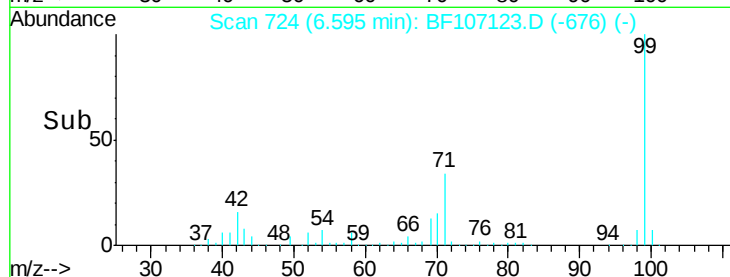
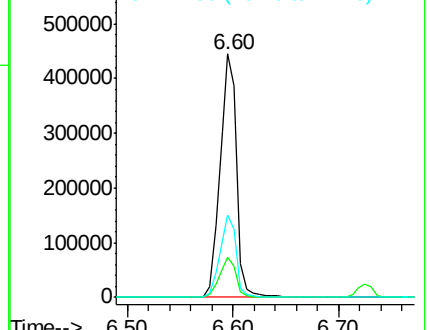
99 100

42 16.5 14.5 21.7

71 34.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.220 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.21 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

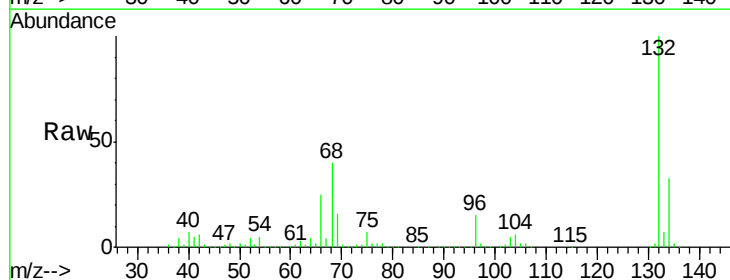
Tgt Ion: 77 Resp: 8809

Ion Ratio Lower Upper

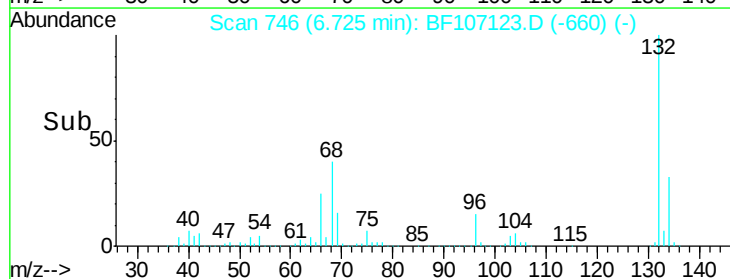
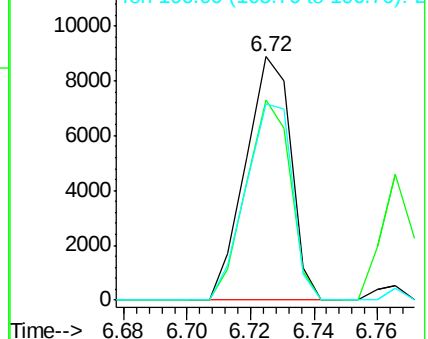
77 100

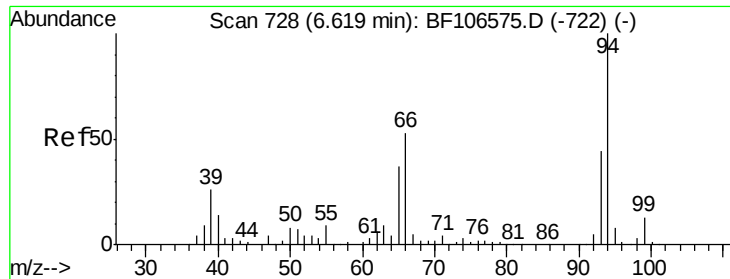
105 82.2 81.1 121.1

106 80.6 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

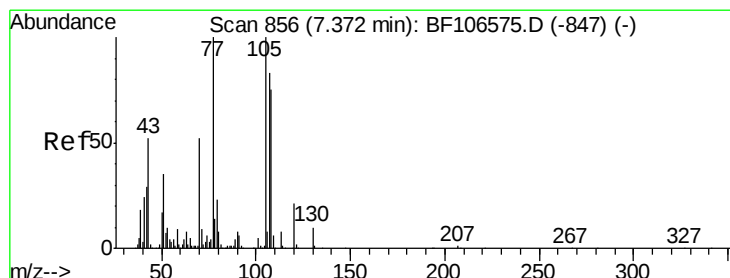
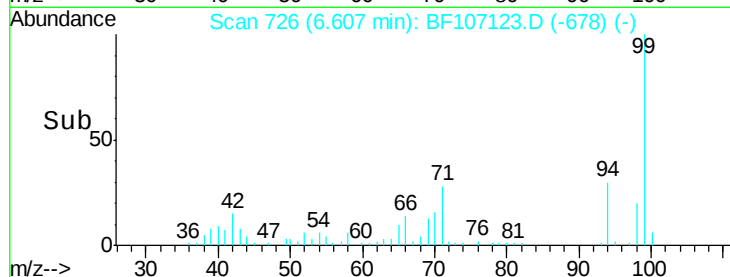
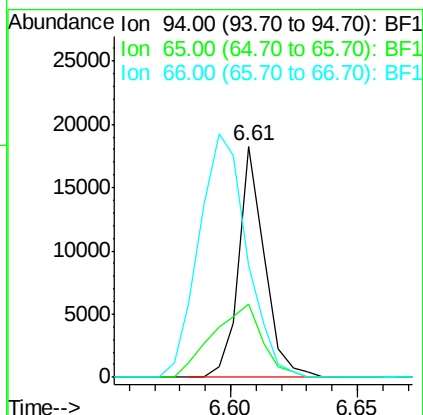
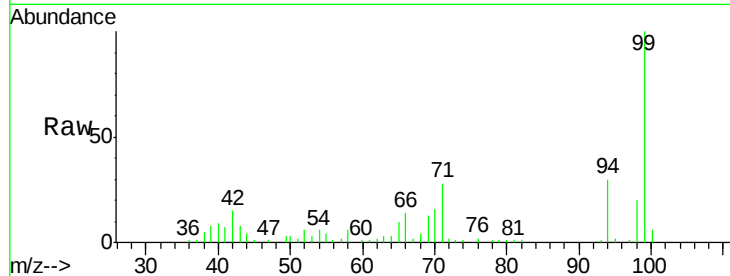




#10  
Phenol  
Concen: 2.400 ng  
RT: 6.61 min Scan# 726  
Delta R.T. -0.02 min  
Lab File: BF107123.D  
Acq: 5 Jul 2018 13:34

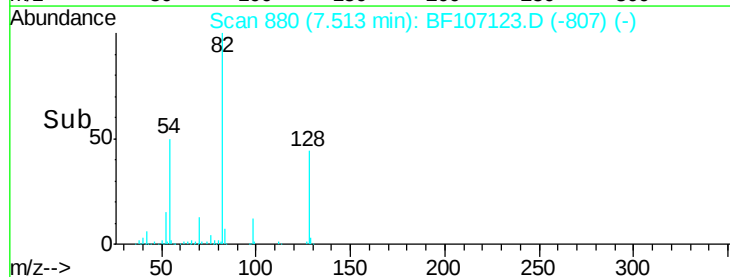
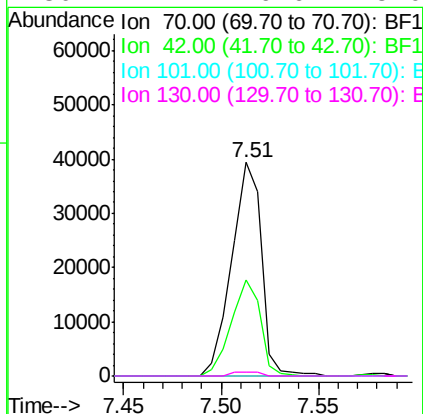
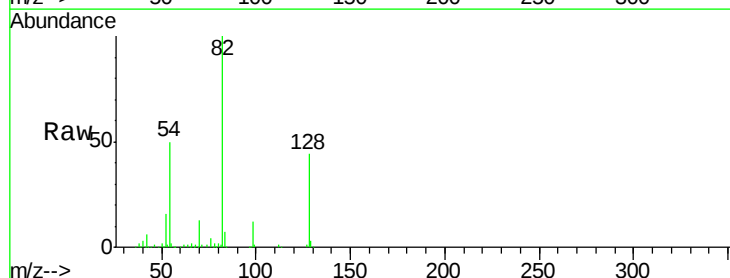
Instrument :  
BNA\_F  
ClientSampled :  
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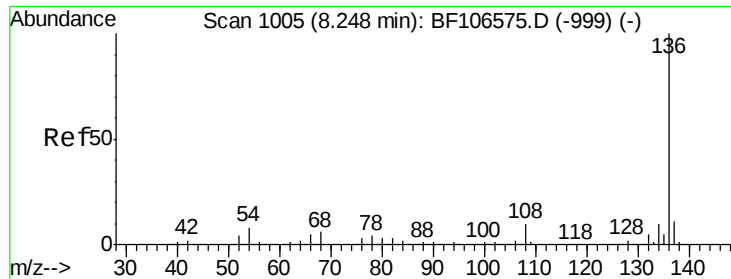
Tgt Ion: 94 Resp: 12934  
Ion Ratio Lower Upper  
94 100  
65 31.9 7.9 47.9  
66 48.3 16.2 56.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.356 ng  
RT: 7.51 min Scan# 880  
Delta R.T. 0.13 min  
Lab File: BF107123.D  
Acq: 5 Jul 2018 13:34

Tgt Ion: 70 Resp: 41573  
Ion Ratio Lower Upper  
70 100  
42 44.7 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#

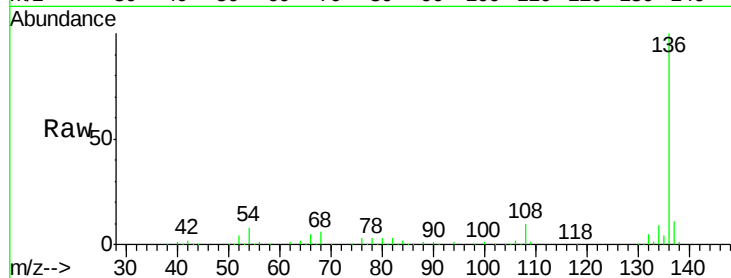




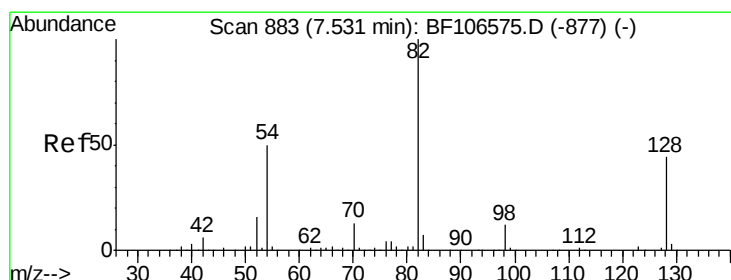
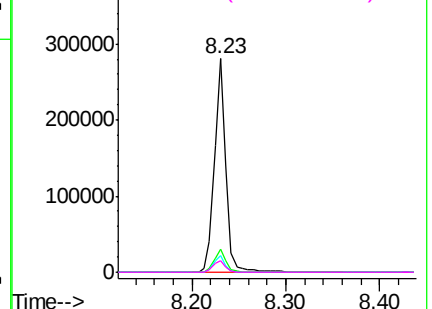
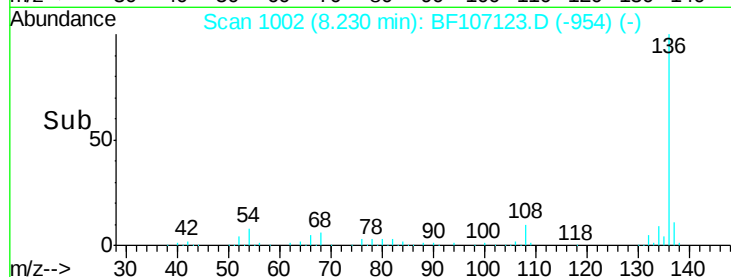
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.23 min Scan# 1002  
Delta R.T. -0.02 min  
Lab File: BF107123.D  
Acq: 5 Jul 2018 13:34

Instrument :  
BNA\_F  
ClientSampleId :  
B-10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 242810 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 8.9   | 13.3   |
| 54       | 7.5   | 6.6   | 9.8    |
| 68       | 5.7   | 5.0   | 7.4    |

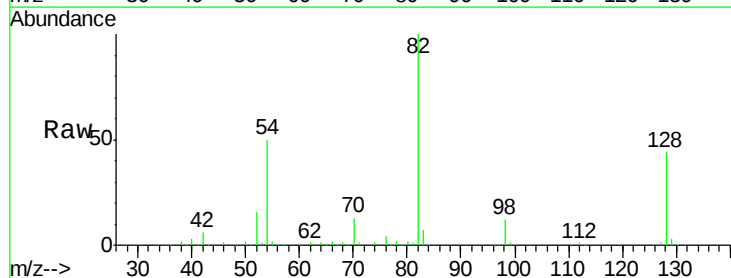


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

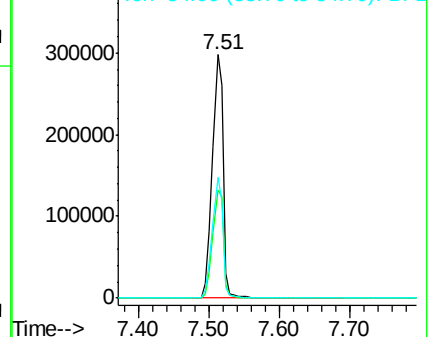
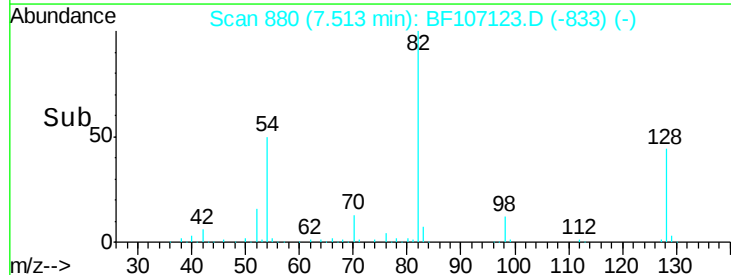


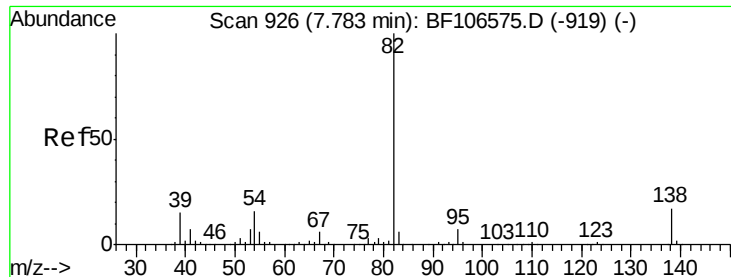
#23  
Nitrobenzene-d5  
Concen: 73.010 ng  
RT: 7.51 min Scan# 880  
Delta R.T. -0.02 min  
Lab File: BF107123.D  
Acq: 5 Jul 2018 13:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 318994 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.1  | 36.1  | 54.1   |
| 54       | 49.7  | 41.4  | 62.2   |



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





#25

Isophorone

Concen: 41.432 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA\_F

ClientSampled :

B-10

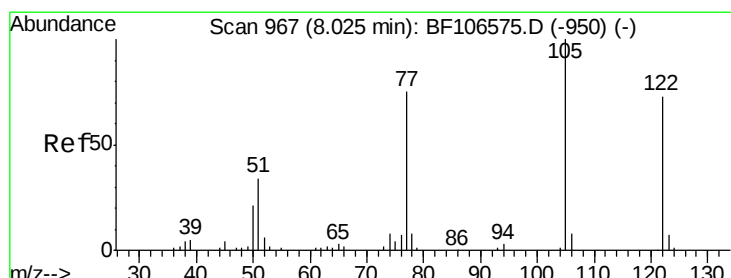
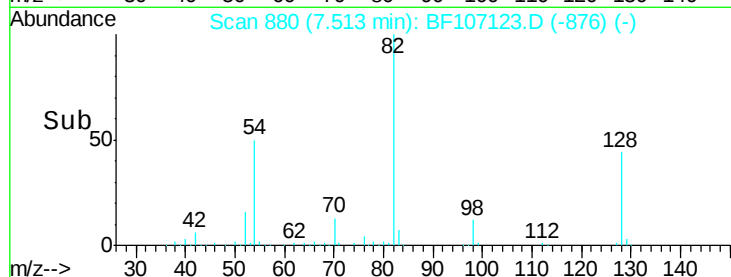
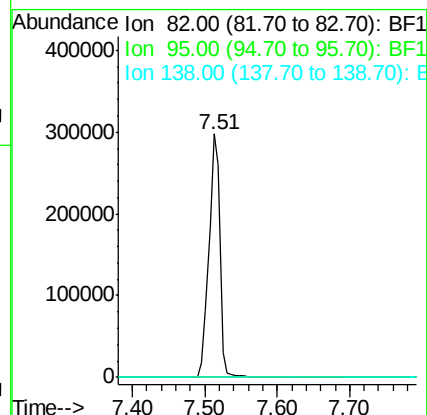
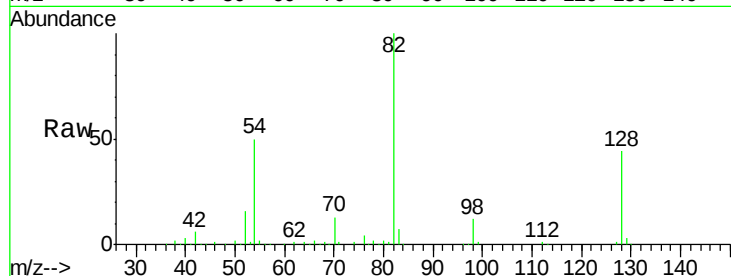
Tgt Ion: 82 Resp: 318993

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 5.823 ng

RT: 7.98 min Scan# 959

Delta R.T. -0.06 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

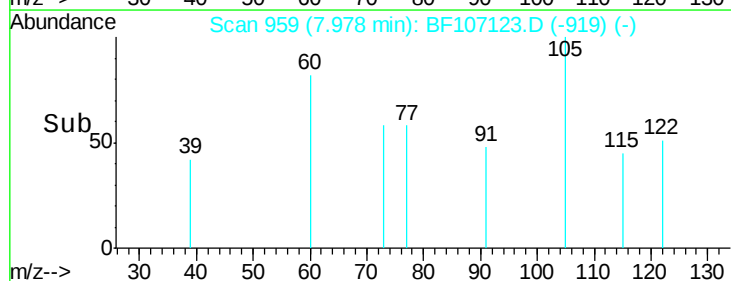
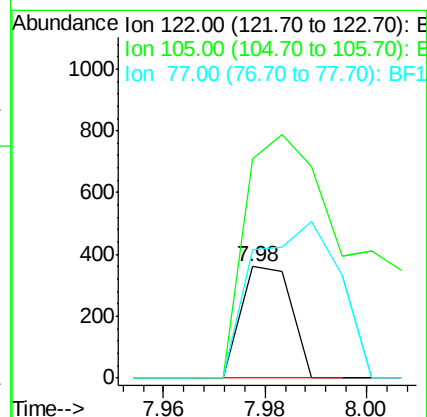
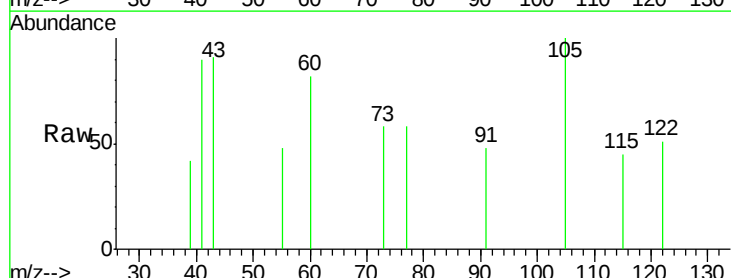
Tgt Ion: 122 Resp: 248

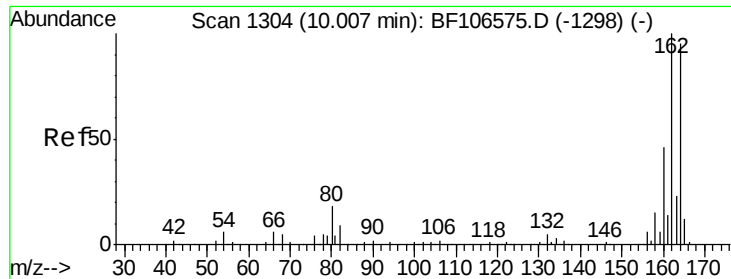
Ion Ratio Lower Upper

122 100

105 197.5 101.1 141.1#

77 115.3 70.7 110.7#

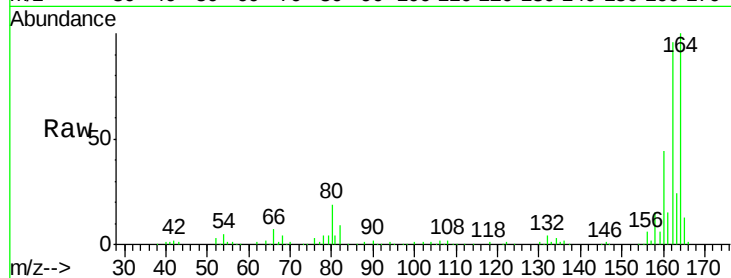




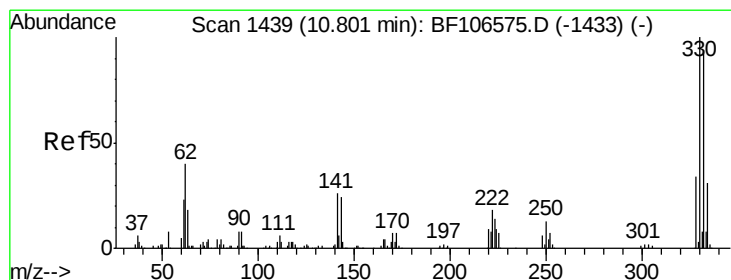
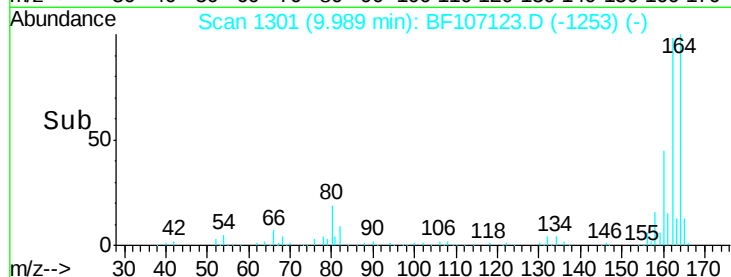
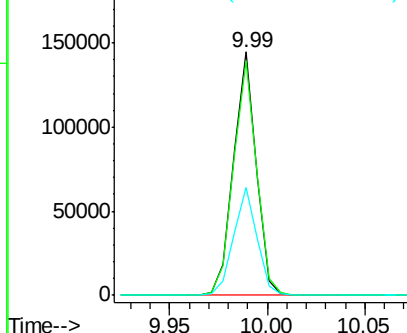
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.99 min Scan# 1301  
 Delta R.T. -0.02 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:164 Resp: 116858  
 Ion Ratio Lower Upper  
 164 100  
 162 96.4 86.1 129.1  
 160 44.1 38.3 57.5

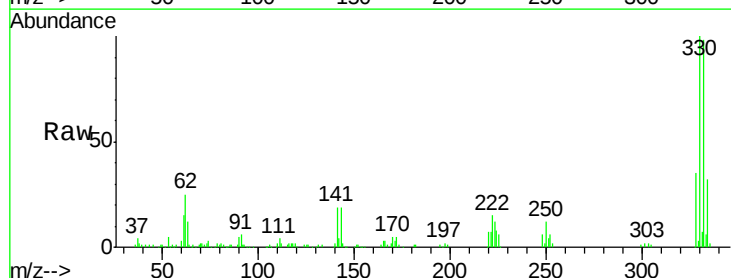


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

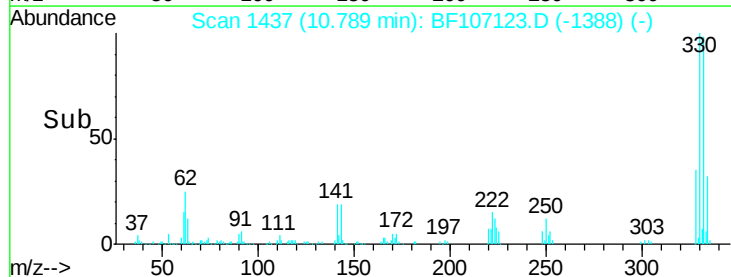
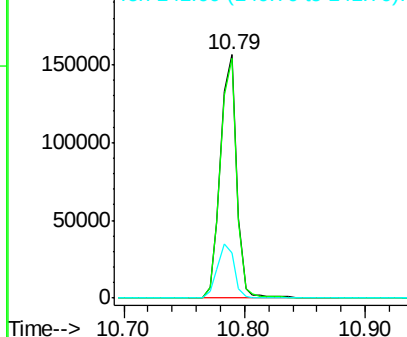


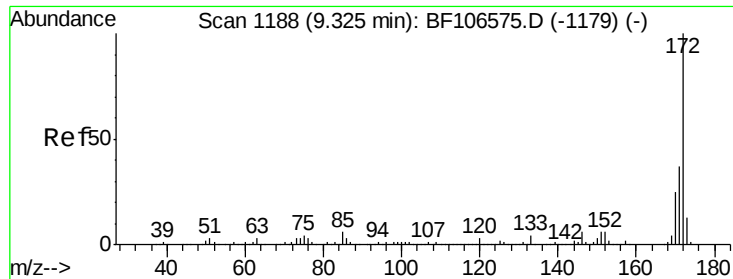
#41  
 2,4,6-Tribromophenol  
 Concen: 107.658 ng  
 RT: 10.79 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

Tgt Ion:330 Resp: 145814  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 77.0 115.6  
 141 23.6 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

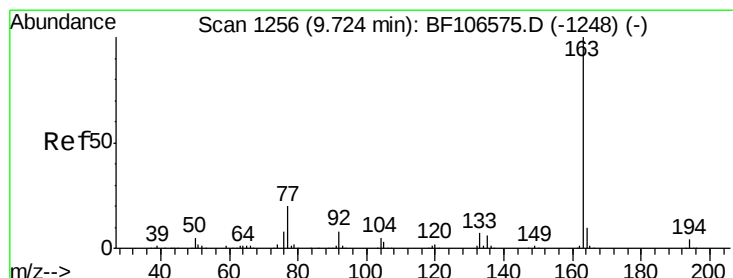
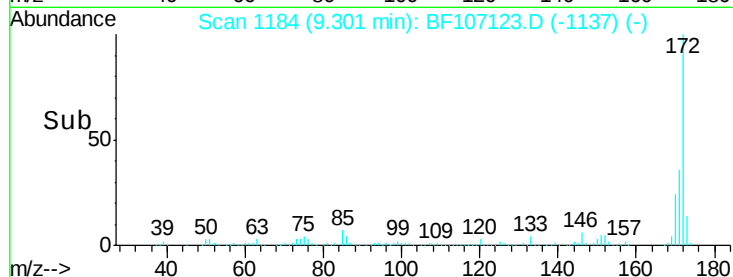
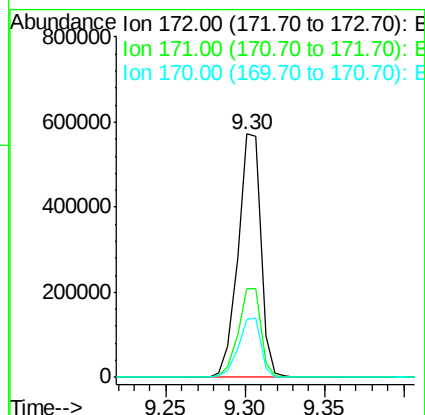
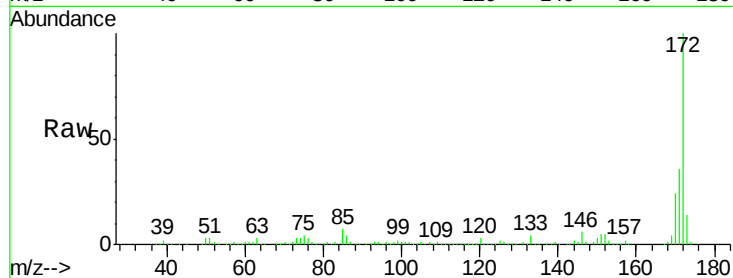




#44  
 2-Fluorobiphenyl  
 Concen: 82.619 ng  
 RT: 9.30 min Scan# 1184  
 Delta R.T. -0.02 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

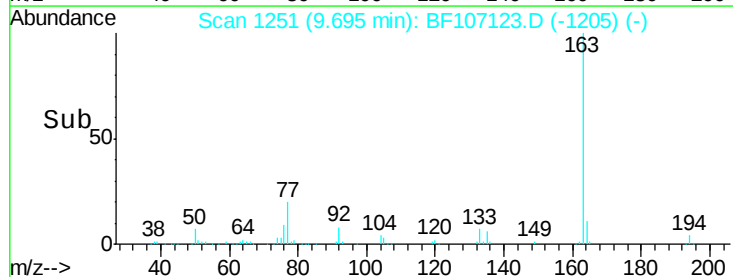
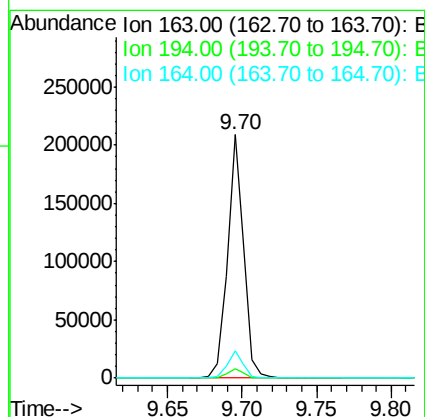
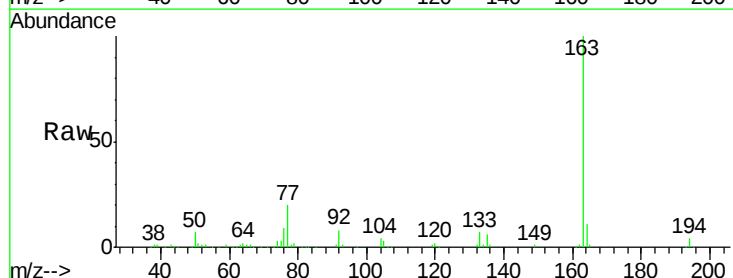
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-10

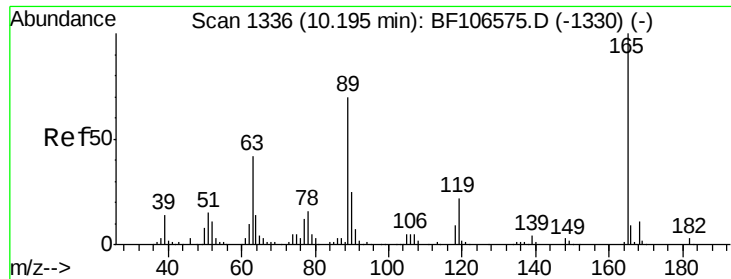
Tgt Ion:172 Resp: 573248  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.7 44.5  
 170 24.1 19.6 29.4



#49  
 Dimethylphthalate  
 Concen: 18.344 ng  
 RT: 9.70 min Scan# 1251  
 Delta R.T. -0.03 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

Tgt Ion:163 Resp: 160772  
 Ion Ratio Lower Upper  
 163 100  
 194 3.7 2.7 4.1  
 164 11.0 8.2 12.2

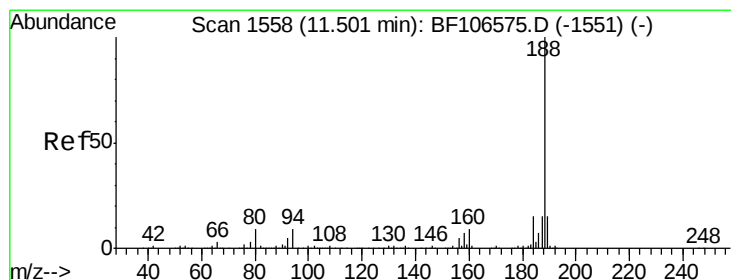
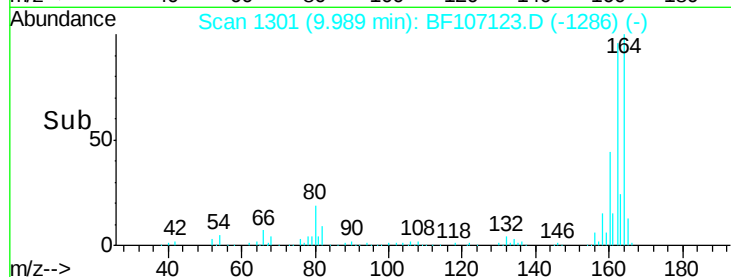
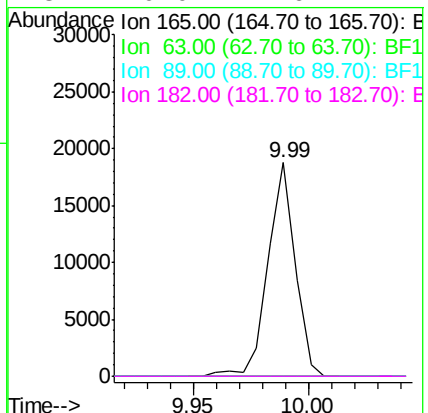
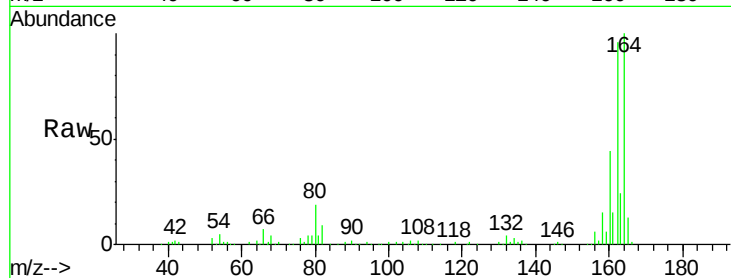




#56  
 2,4-Dinitrotoluene  
 Concen: 6.343 ng  
 RT: 9.99 min Scan# 1301  
 Delta R.T. -0.21 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

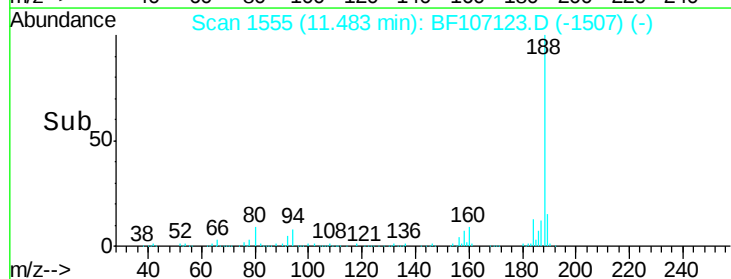
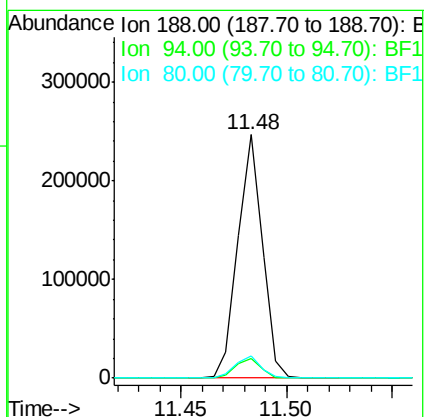
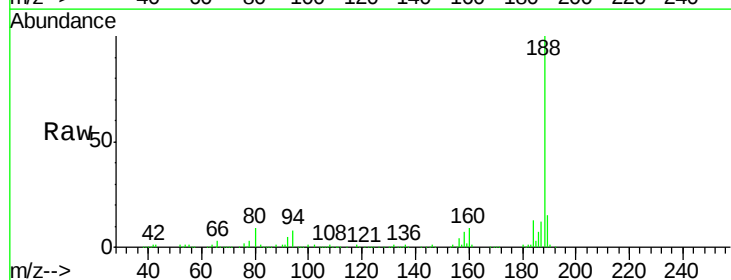
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-10

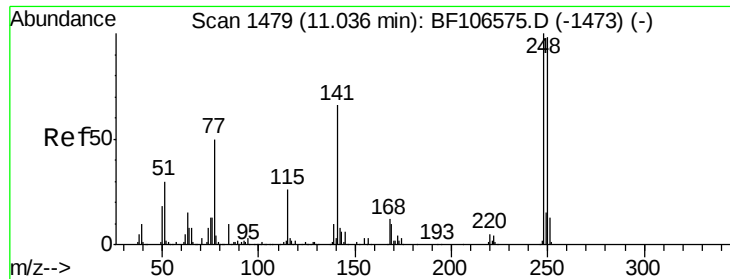
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 15366 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 36.4  | 54.6# |
| 89       | 0.0   | 57.8  | 86.6# |
| 182      | 0.0   | 1.6   | 2.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.48 min Scan# 1555  
 Delta R.T. -0.02 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 198692 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.0   | 8.5   | 12.7#  |
| 80       | 9.0   | 9.2   | 13.8#  |

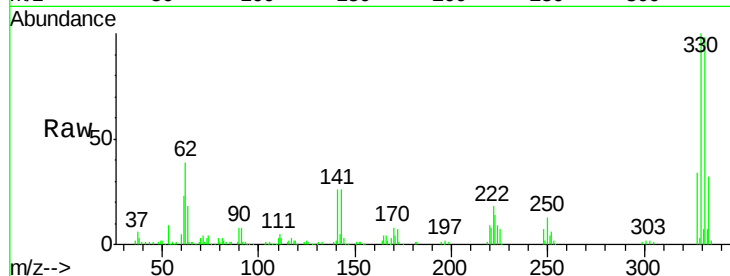




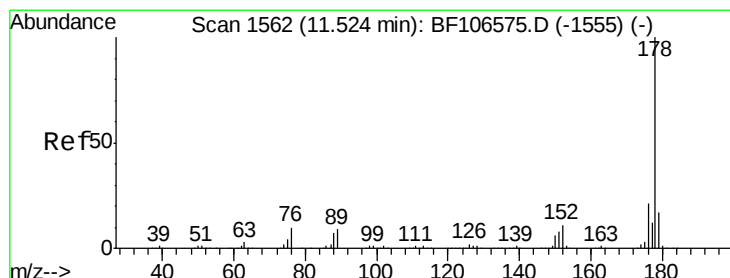
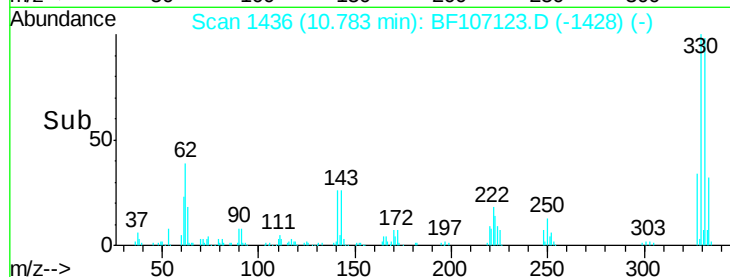
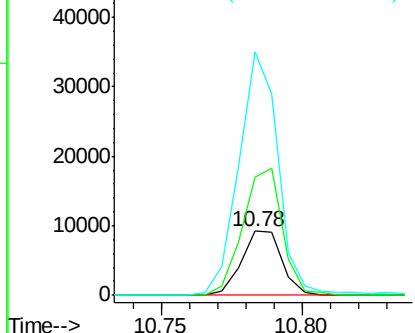
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.864 ng  
 RT: 10.78 min Scan# 1436  
 Delta R.T. -0.25 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-10

Tgt Ion:248 Resp: 9162  
 Ion Ratio Lower Upper  
 248 100  
 250 184.8 76.9 115.3#  
 141 381.7 74.4 111.6#

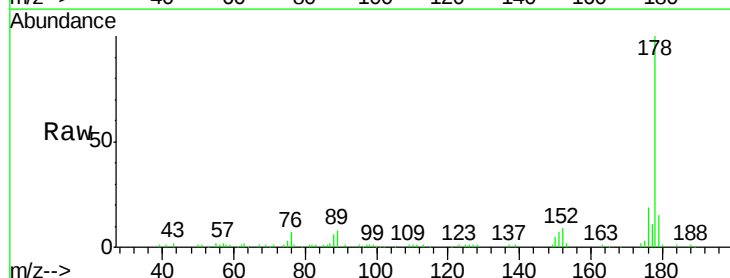


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

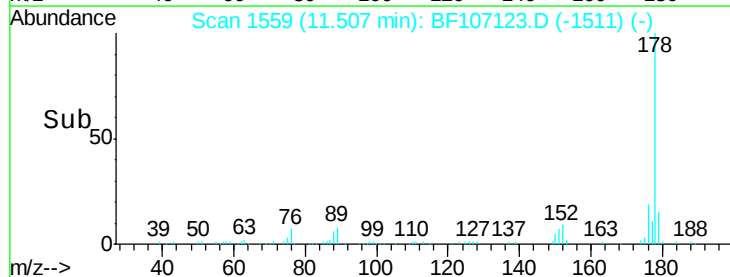
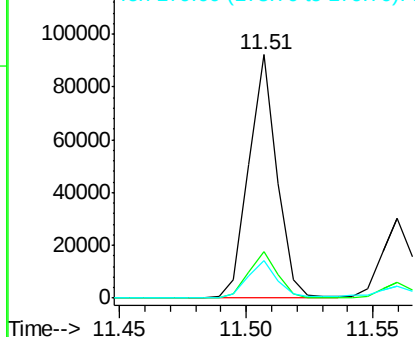


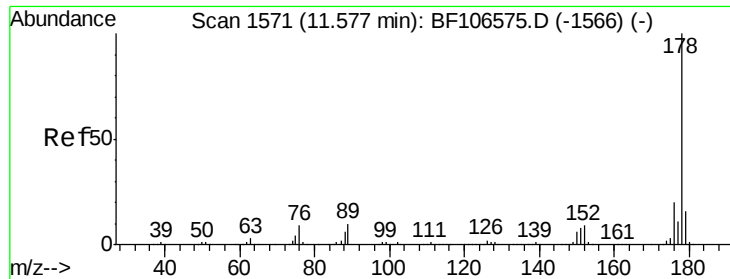
#70  
 Phenanthrene  
 Concen: 7.488 ng  
 RT: 11.51 min Scan# 1559  
 Delta R.T. -0.02 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

Tgt Ion:178 Resp: 71763  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.8 23.8  
 179 15.3 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

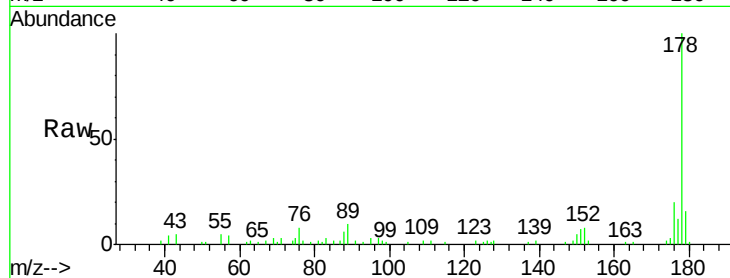




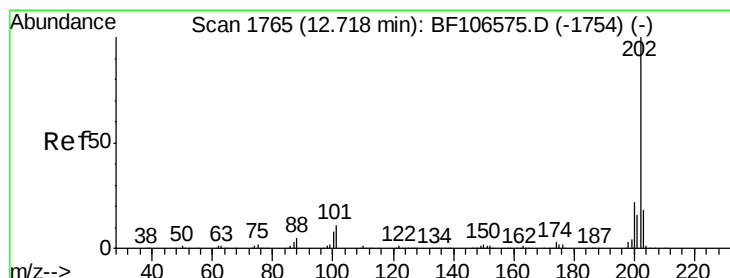
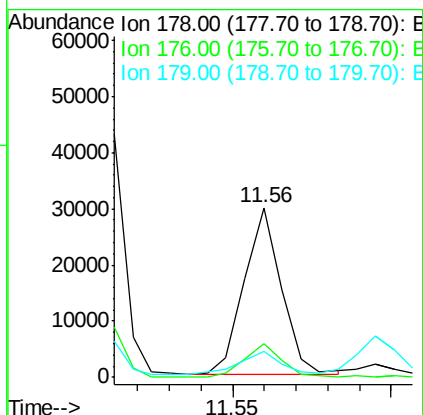
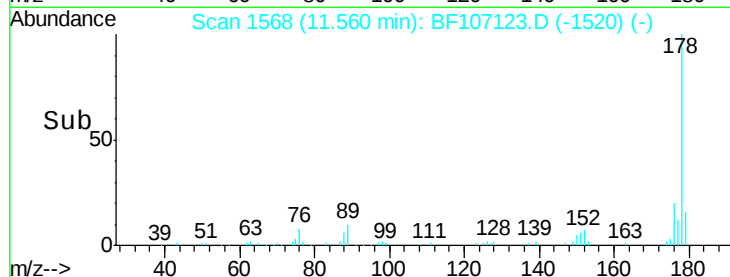
#71  
 Anthracene  
 Concen: 2.458 ng  
 RT: 11.56 min Scan# 1568  
 Delta R.T. -0.02 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-10

Tgt Ion:178 Resp: 24039  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.4 23.2  
 179 15.7 12.6 19.0

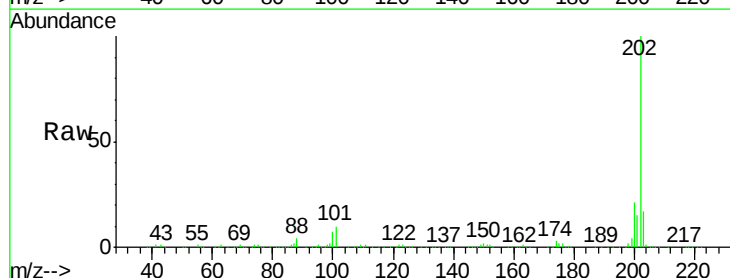


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

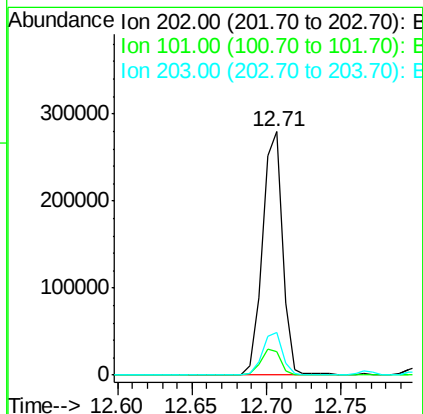
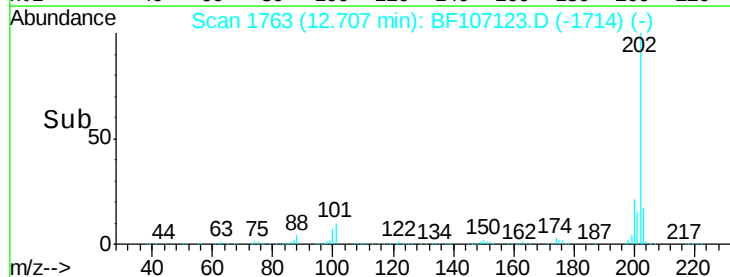


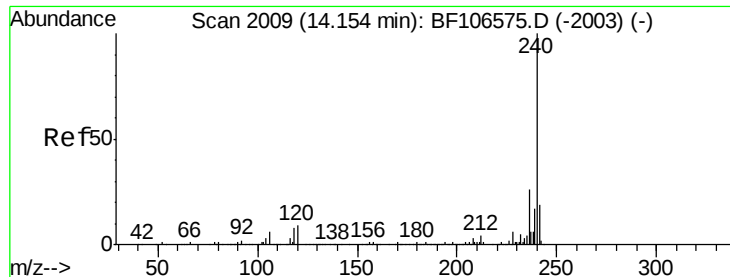
#74  
 Fluoranthene  
 Concen: 24.341 ng  
 RT: 12.71 min Scan# 1763  
 Delta R.T. -0.01 min  
 Lab File: BF107123.D  
 Acq: 5 Jul 2018 13:34

Tgt Ion:202 Resp: 257109  
 Ion Ratio Lower Upper  
 202 100  
 101 9.7 0.0 34.1  
 203 17.5 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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA\_F

ClientSampleId :

B-10

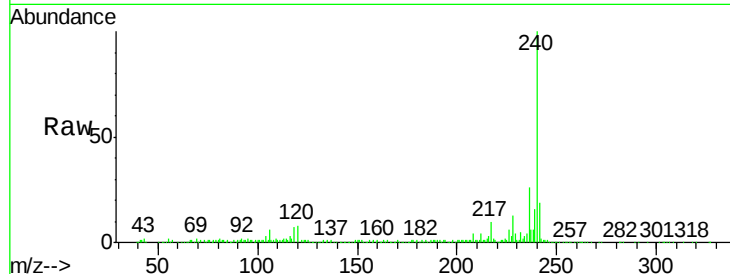
Tgt Ion:240 Resp: 166339

Ion Ratio Lower Upper

240 100

120 8.2 9.5 14.3#

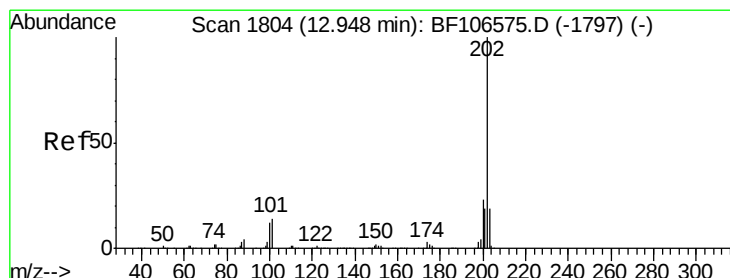
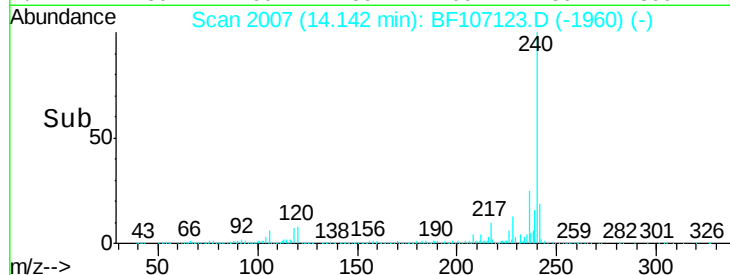
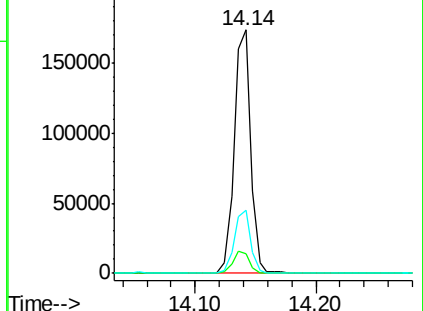
236 25.7 20.7 31.1



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: 20.486 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

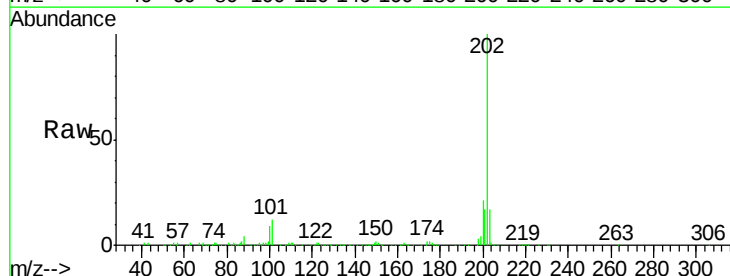
Tgt Ion:202 Resp: 224714

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

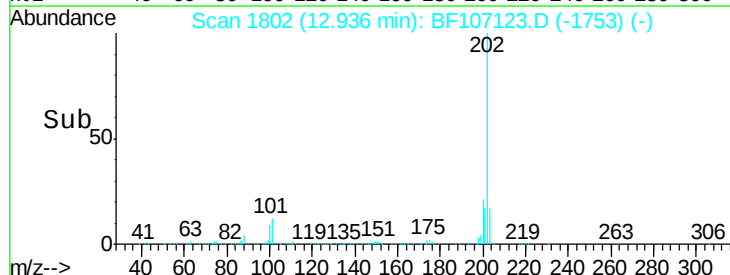
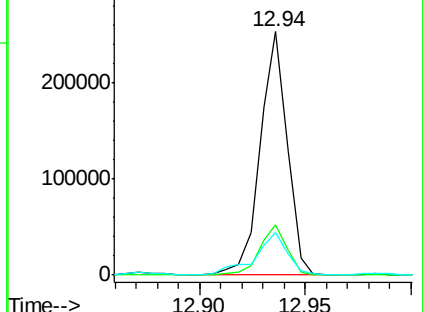
203 17.5 14.3 21.5

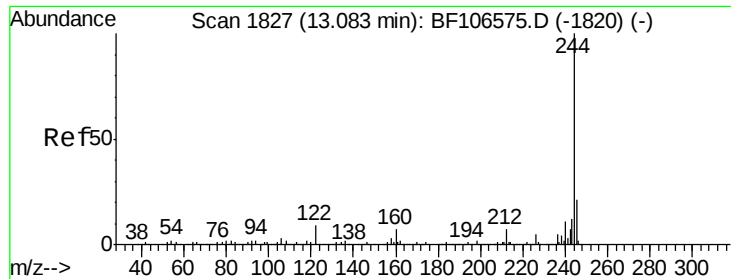


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.228 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA\_F

ClientSampleId :

B-10

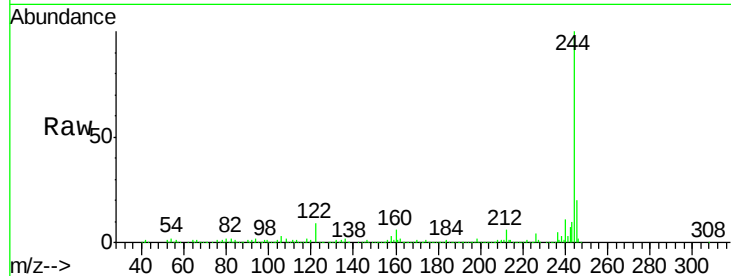
Tgt Ion:244 Resp: 537192

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

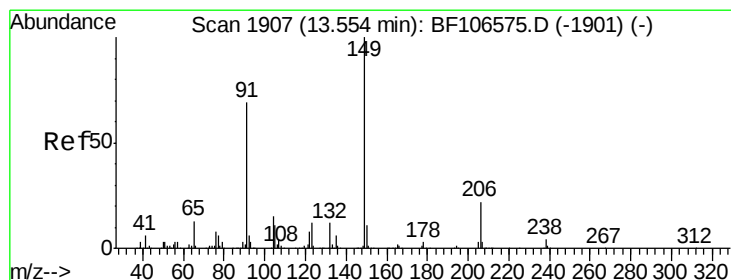
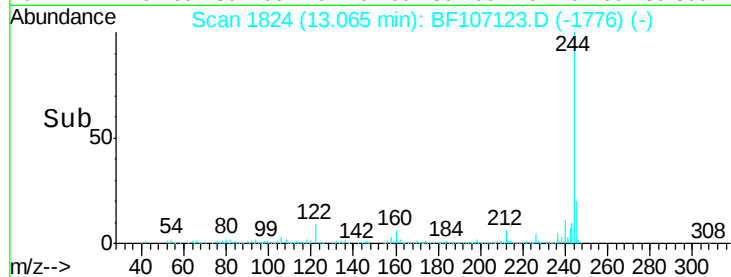
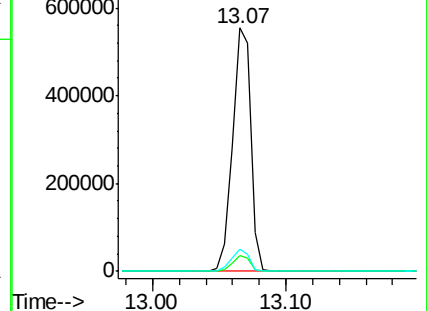
122 9.3 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 9.290 ng

RT: 13.53 min Scan# 1903

Delta R.T. -0.02 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

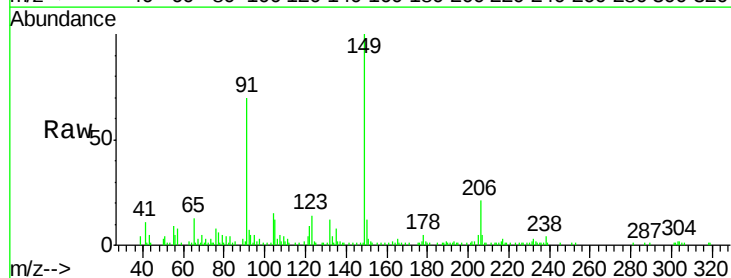
Tgt Ion:149 Resp: 41895

Ion Ratio Lower Upper

149 100

91 70.3 56.8 85.2

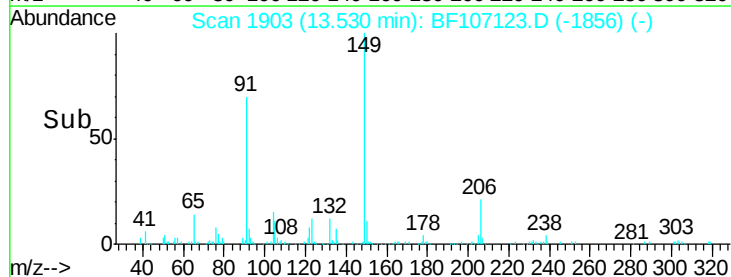
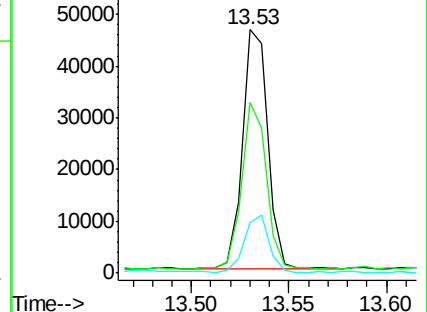
206 20.5 14.1 21.1

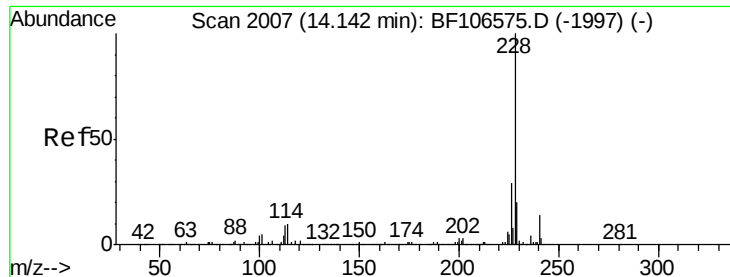


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 11.325 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA\_F

ClientSampleId :

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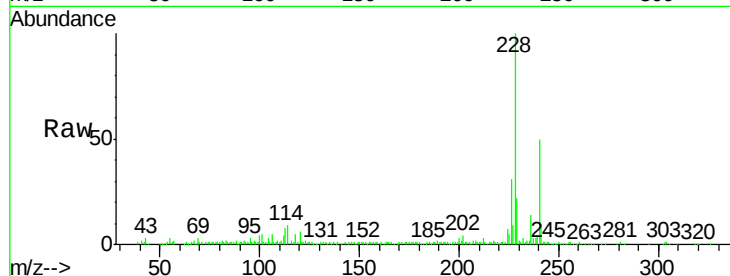
Tgt Ion:228 Resp: 114814

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

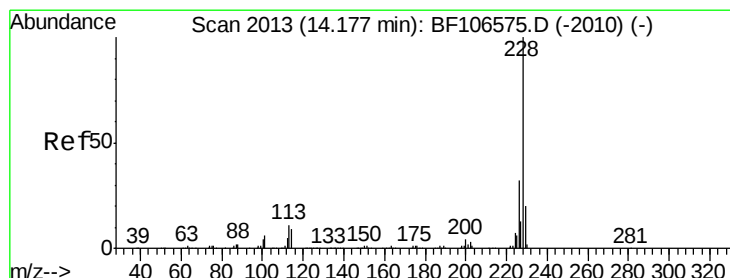
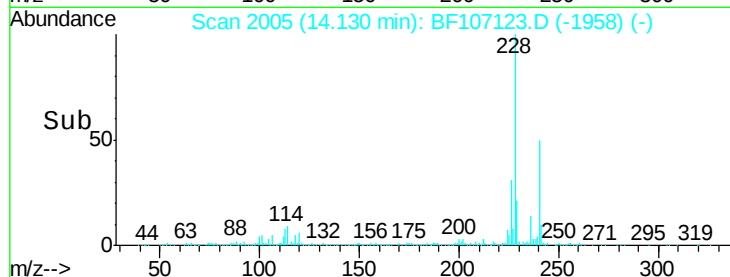
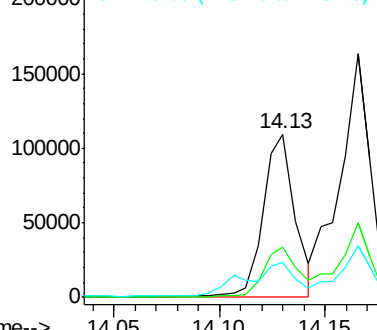
229 21.5 15.8 23.6



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



#82

Chrysene

Concen: 17.570 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

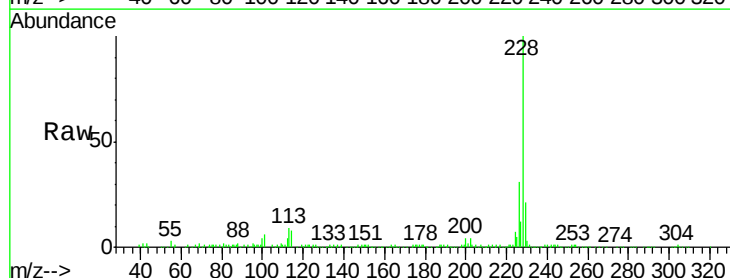
Tgt Ion:228 Resp: 163875

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

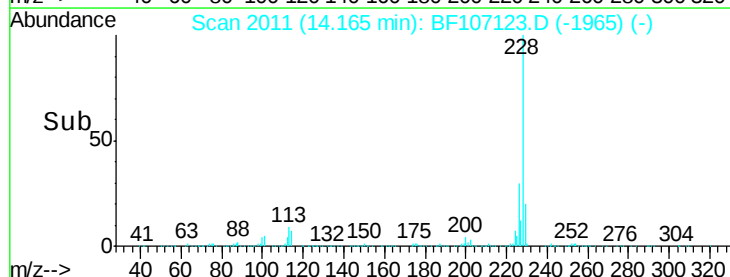
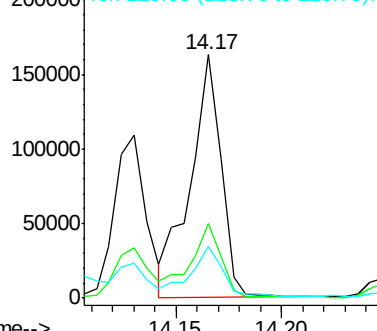
229 21.2 16.2 24.4

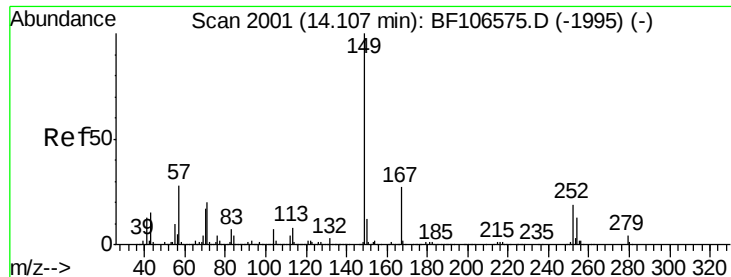


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

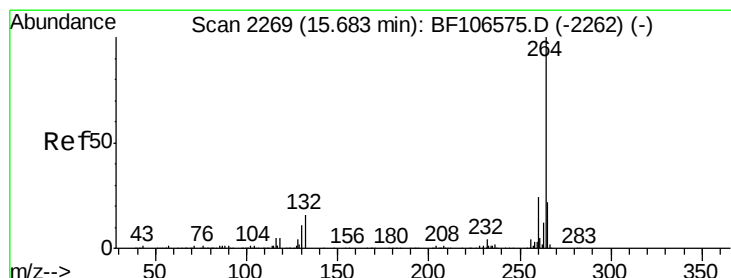
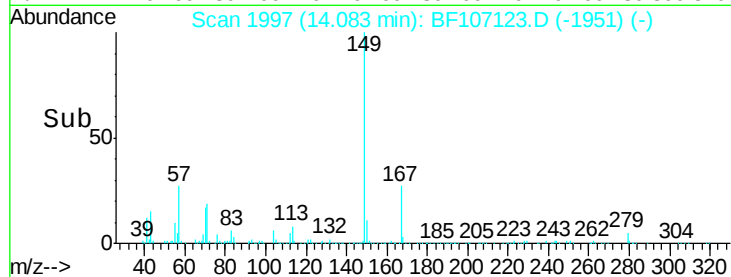
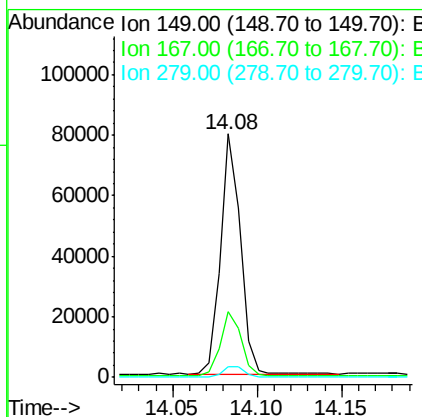
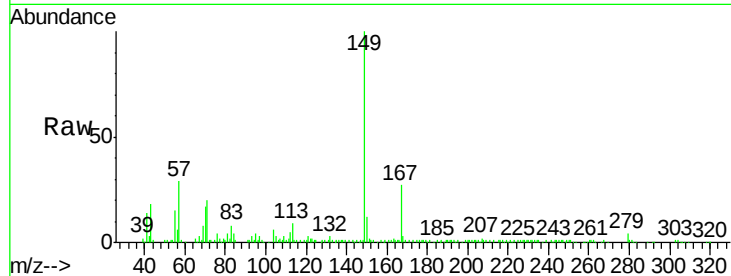




#83  
Bis(2-ethylhexyl)phthalate  
Concen: 11.370 ng  
RT: 14.08 min Scan# 1997  
Delta R.T. -0.03 min  
Lab File: BF107123.D  
Acq: 5 Jul 2018 13:34

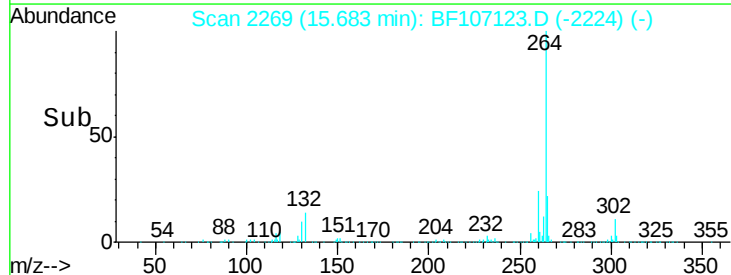
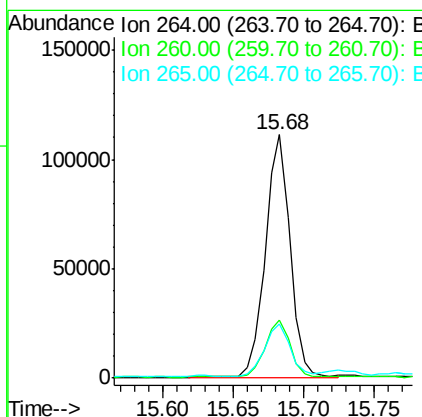
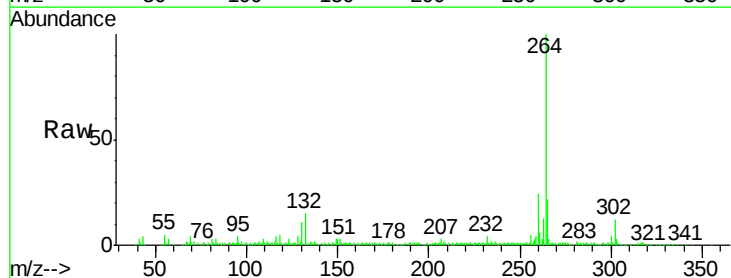
Instrument :  
BNA\_F  
ClientSampled :  
B-10

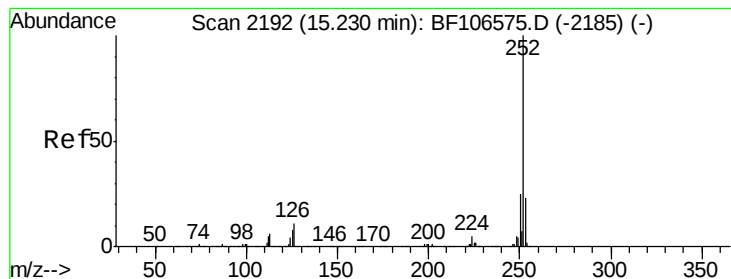
Tgt Ion:149 Resp: 65559  
Ion Ratio Lower Upper  
149 100  
167 27.2 21.3 31.9  
279 4.4 3.0 4.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. -0.04 min  
Lab File: BF107123.D  
Acq: 5 Jul 2018 13:34

Tgt Ion:264 Resp: 137224  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.2 28.8  
265 22.2 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 35.764 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

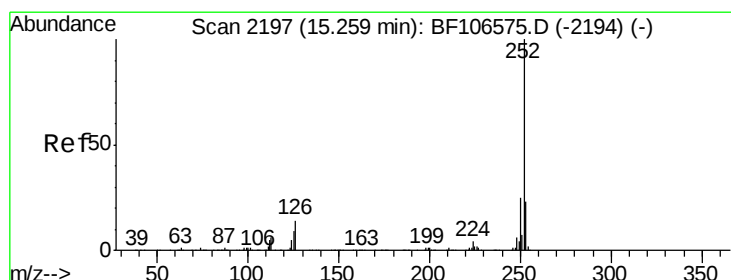
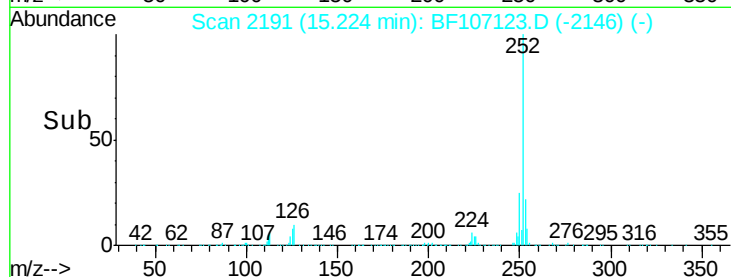
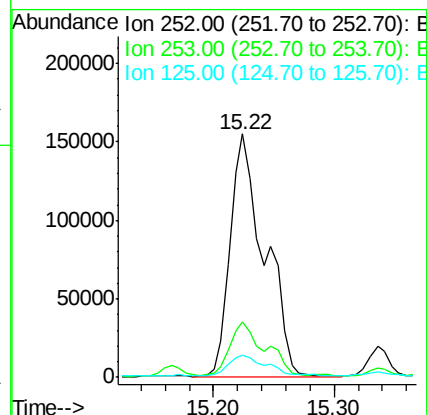
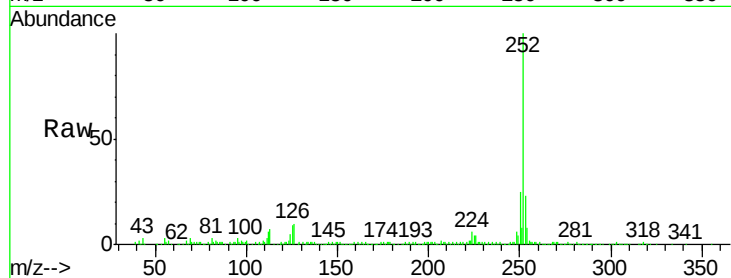
Instrument :

BNA\_F

ClientSampleId :

B-10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 304859 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 23.0  | 17.0  | 25.6   |
| 125      | 9.0   | 9.0   | 13.6   |



#88

Benzo(k)fluoranthene

Concen: 37.555 ng

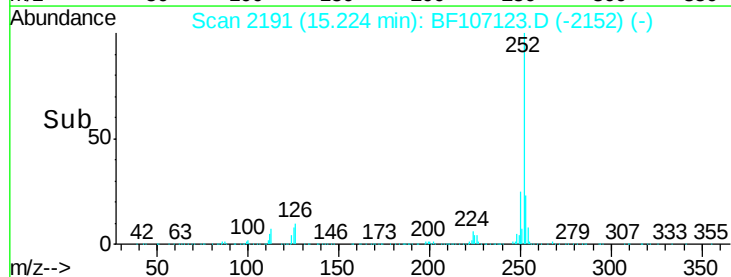
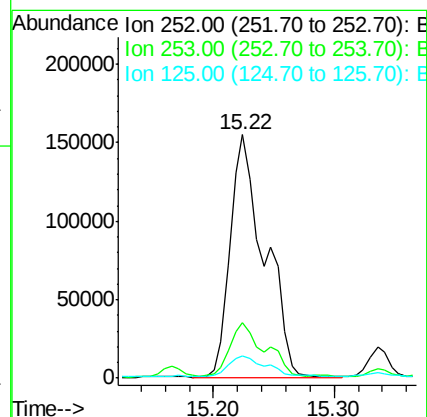
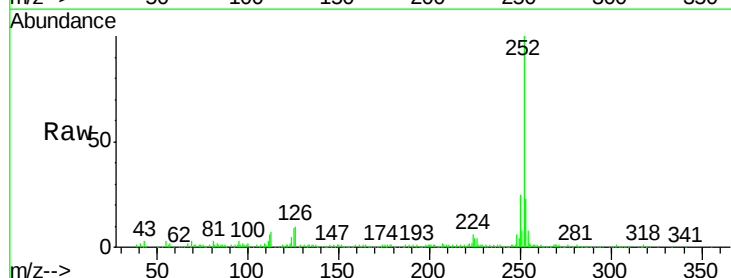
RT: 15.22 min Scan# 2191

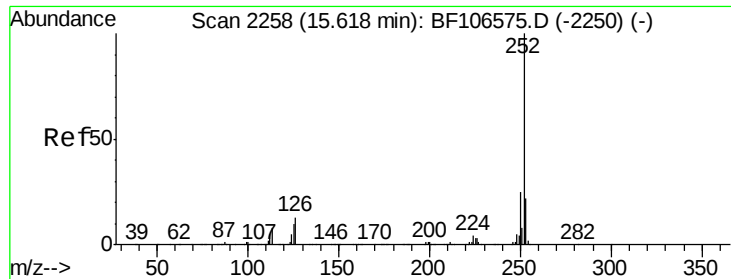
Delta R.T. -0.07 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 304859 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 23.0  | 17.9  | 26.9   |
| 125      | 9.0   | 10.2  | 15.2#  |





#89

Benzo(a)pyrene

Concen: 14.359 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.04 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA\_F

ClientSampleId :

B-10

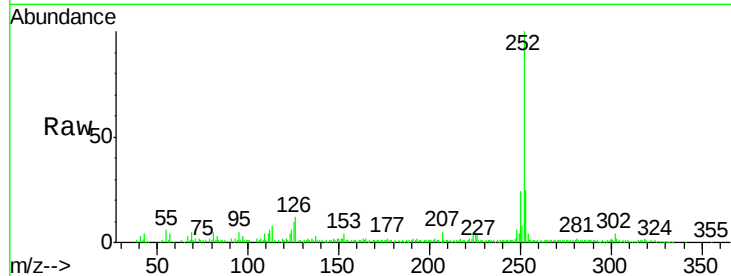
Tgt Ion:252 Resp: 108809

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

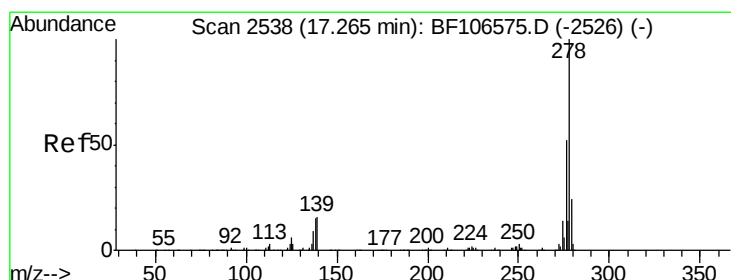
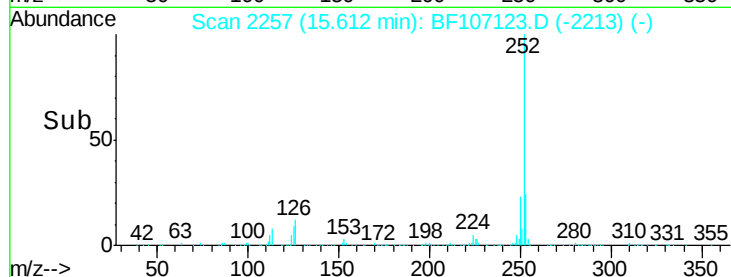
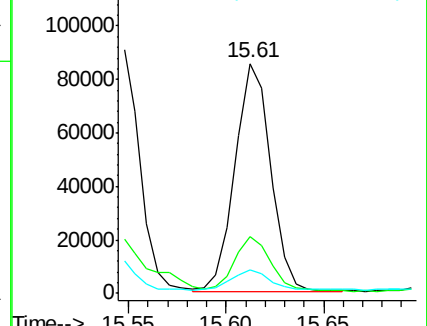
125 10.3 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 2.907 ng

RT: 17.27 min Scan# 2538

Delta R.T. -0.06 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

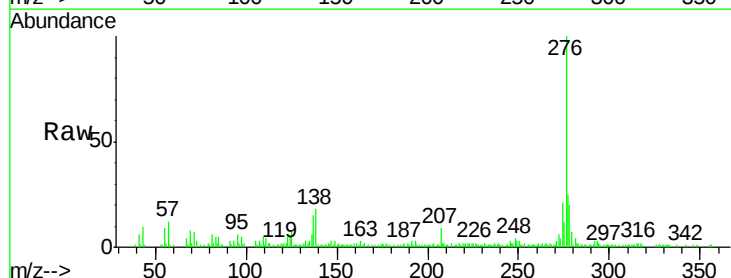
Tgt Ion:278 Resp: 18671

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

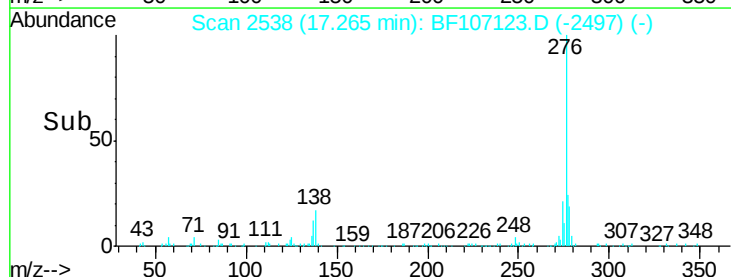
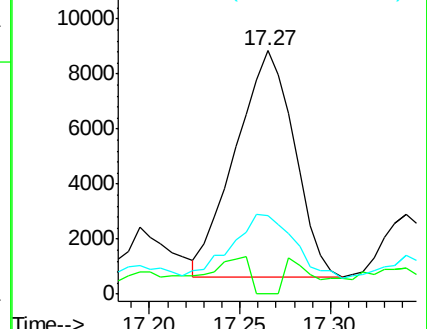
279 32.0 19.0 28.4#

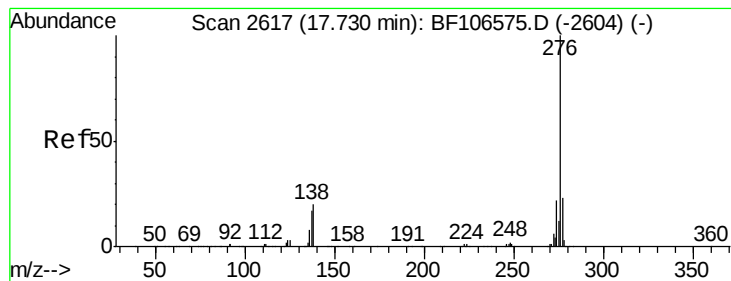


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 12.501 ng

RT: 17.75 min Scan# 2621

Delta R.T. -0.04 min

Lab File: BF107123.D

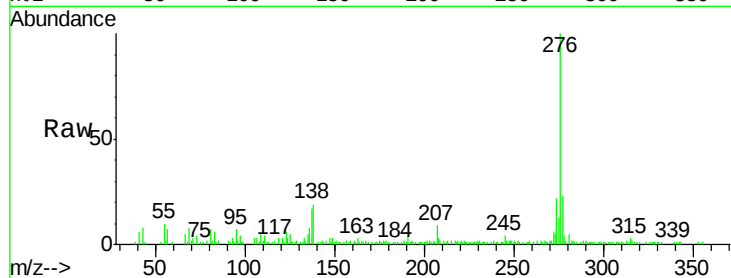
Acq: 5 Jul 2018 13:34

Instrument :

BNA\_F

ClientSampleId :

B-10



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 78471 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 22.7  | 17.9  | 26.9  |
| 138      | 19.1  | 21.8  | 32.8# |

