

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062918\  
 Data File : BF106980.D  
 Acq On : 29 Jun 2018 18:27  
 Operator : JU/SJ  
 Sample : J3677-06  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 93-95-B3(10-15)

Quant Time: Jun 29 23:09:52 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

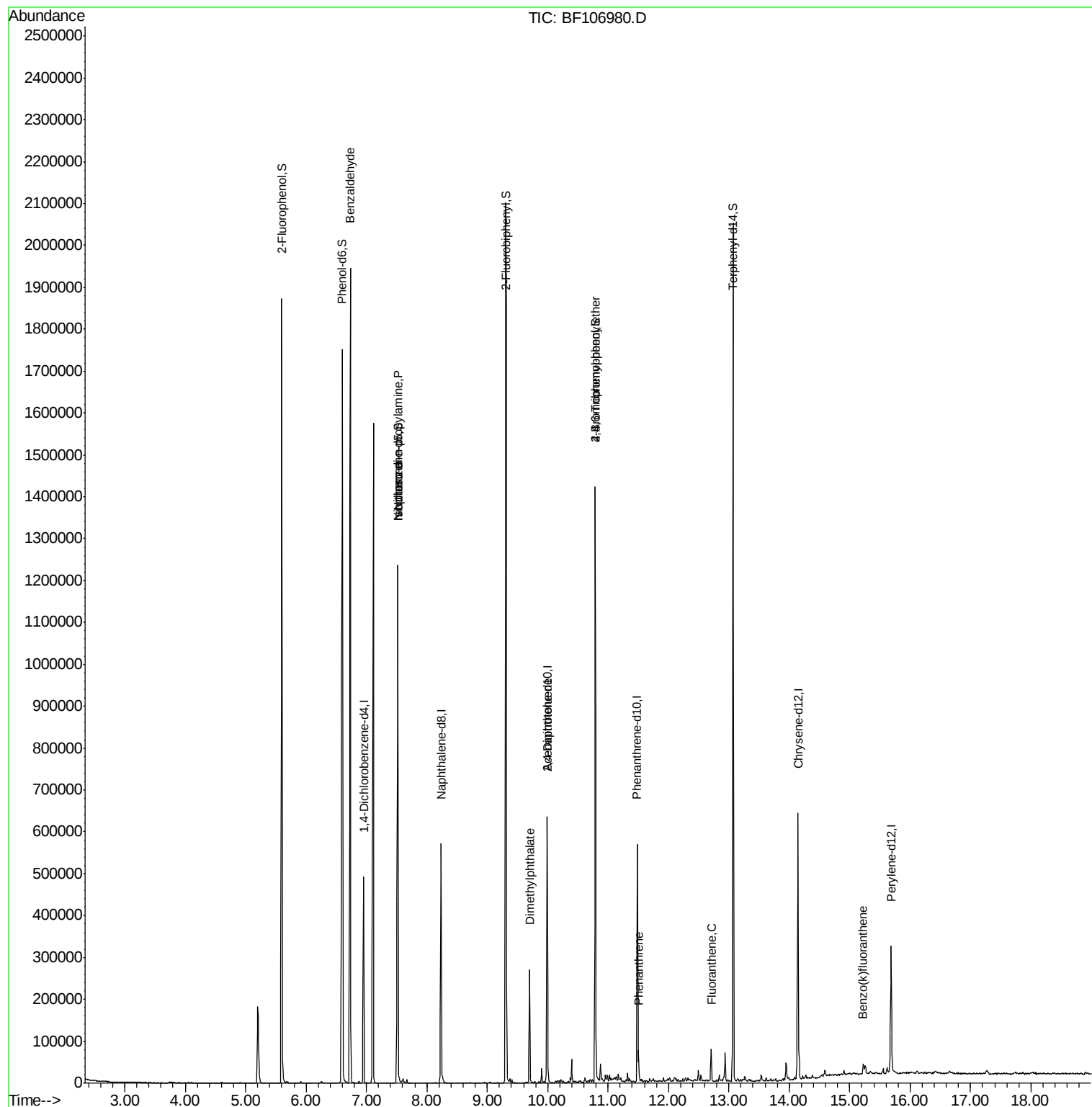
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 76313    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 283667   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.00 | 164  | 132285   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.48 | 188  | 230932   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 14.14 | 240  | 217884   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.68 | 264  | 159612   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 583539   | 129.48 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 737775   | 131.09 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 468540   | 91.79  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.79 | 330  | 214769   | 140.08 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 755402   | 99.10  | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.07 | 244  | 740939   | 82.37  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.73  | 77   | 12949    | 2.724  | ng    | 86       |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 61744    | 16.643 | ng    | # 73     |
| 25) Isophorone                 | 7.52  | 82   | 466014   | 51.810 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.70  | 163  | 113899   | 11.480 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 17040    | 6.214  | ng    | # 22     |
| 66) 4-Bromophenyl-phenylether  | 10.79 | 248  | 13058    | 4.738  | ng    | # 1      |
| 70) Phenanthrene               | 11.51 | 178  | 25858    | 2.322  | ng    | 97       |
| 74) Fluoranthene               | 12.71 | 202  | 33735    | 2.748  | ng    | 94       |
| 88) Benzo(k)fluoranthene       | 15.23 | 252  | 19682    | 2.085  | ng    | 98       |

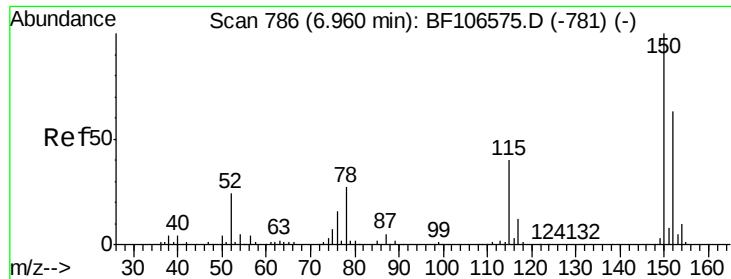
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062918\  
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Sample : J3677-06  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
93-95-B3(10-15)

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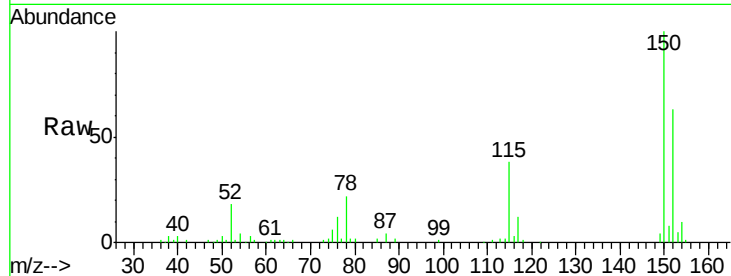




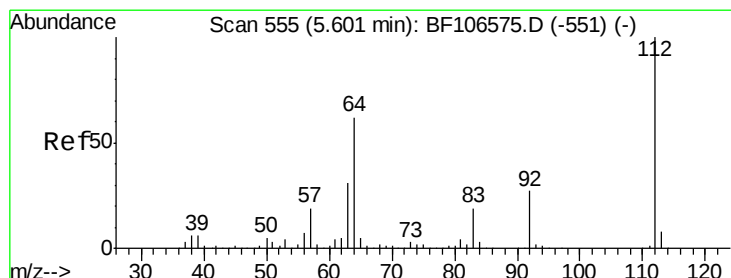
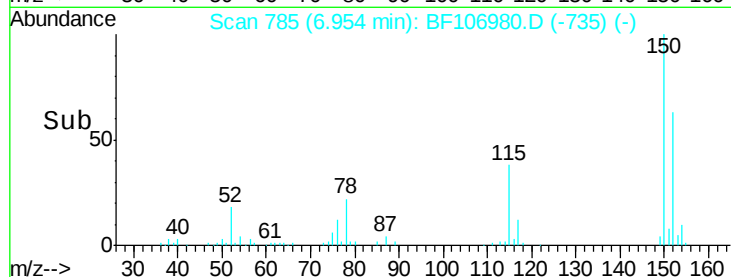
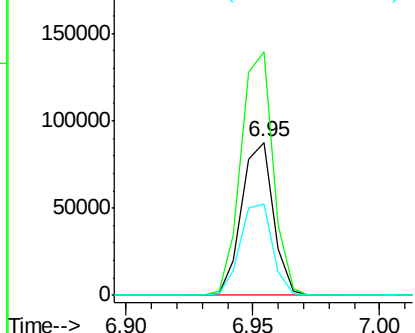
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF106980.D  
 Acq: 29 Jun 2018 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 93-95-B3(10-15)

Tgt Ion:152 Resp: 76313  
 Ion Ratio Lower Upper  
 152 100  
 150 159.4 124.6 186.8  
 115 59.9 50.1 75.1

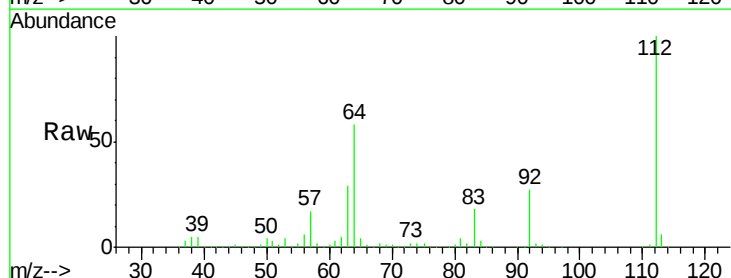


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

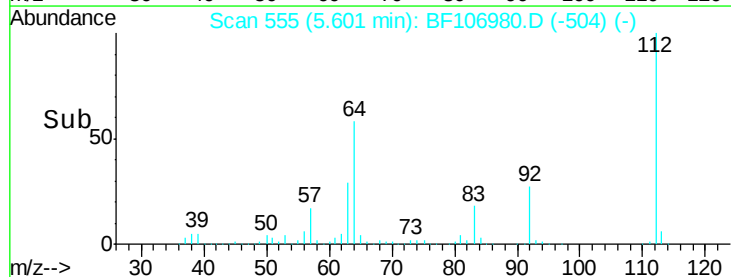
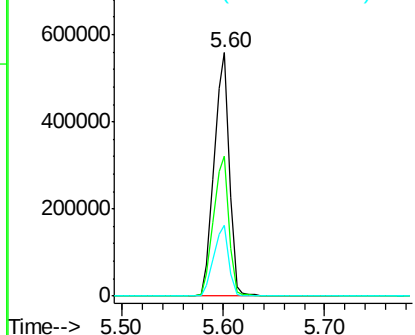


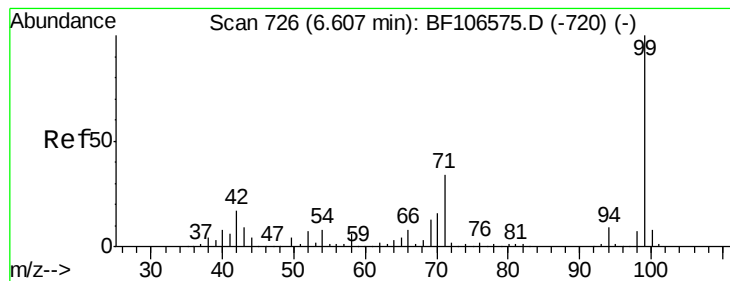
#5  
 2-Fluorophenol  
 Concen: 129.482 ng  
 RT: 5.60 min Scan# 555  
 Delta R.T. -0.00 min  
 Lab File: BF106980.D  
 Acq: 29 Jun 2018 18:27

Tgt Ion:112 Resp: 583539  
 Ion Ratio Lower Upper  
 112 100  
 64 57.5 47.9 71.9  
 63 28.9 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: 131.090 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106980.D

Acq: 29 Jun 2018 18:27

Instrument :

BNA\_F

ClientSampleId :

93-95-B3(10-15)

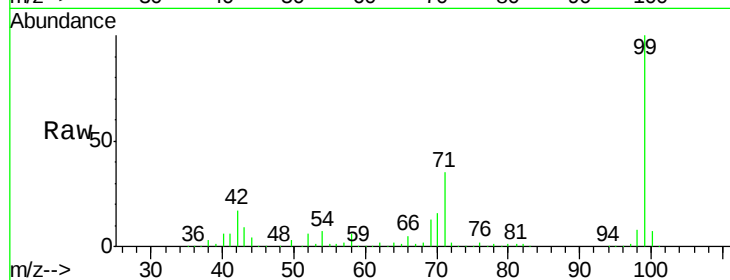
Tgt Ion: 99 Resp: 737775

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

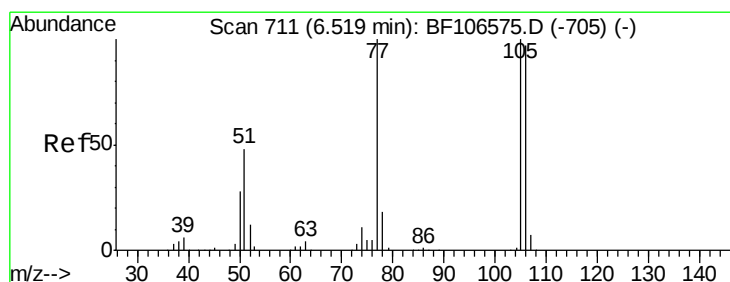
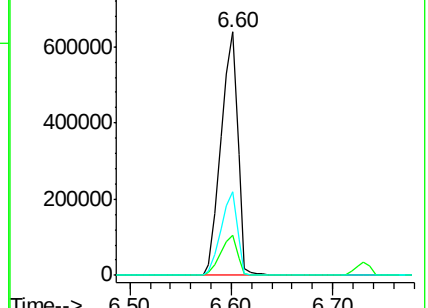
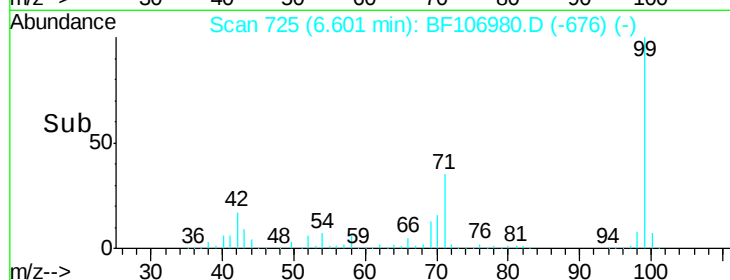
71 34.5 25.4 38.0



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: 2.724 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF106980.D

Acq: 29 Jun 2018 18:27

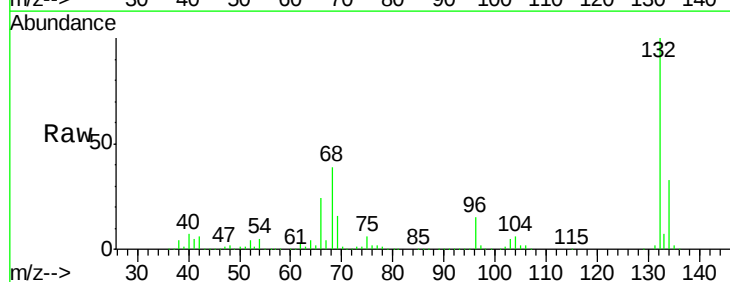
Tgt Ion: 77 Resp: 12949

Ion Ratio Lower Upper

77 100

105 82.6 81.1 121.1

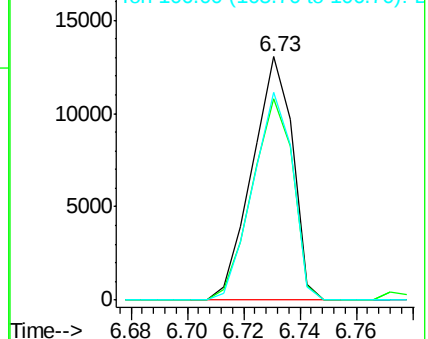
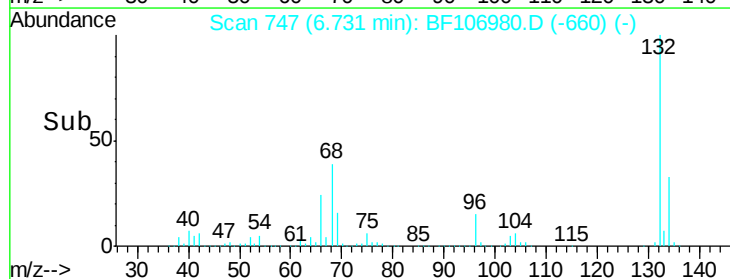
106 85.3 74.5 114.5

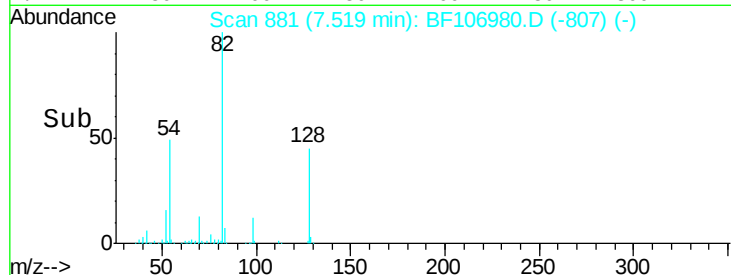
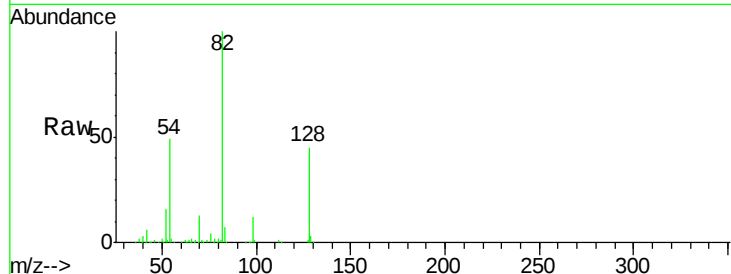
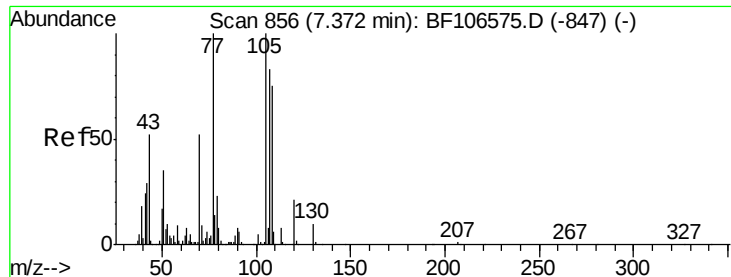


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

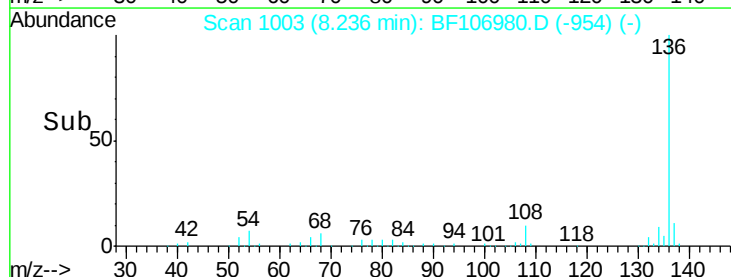
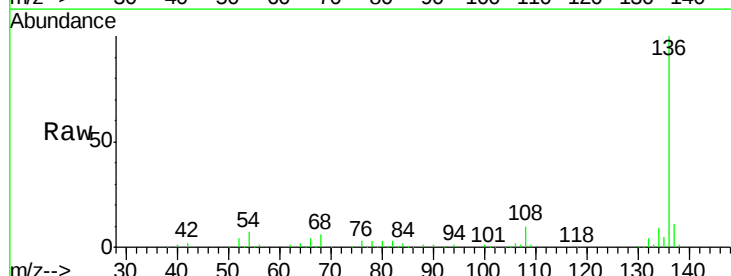
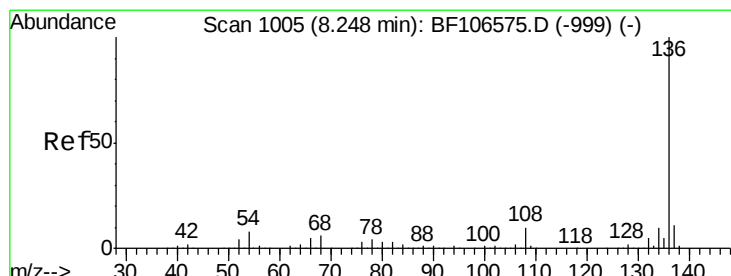
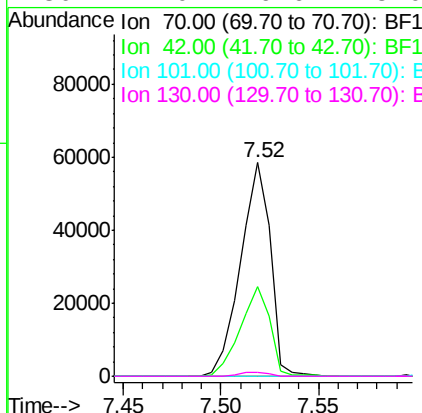




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.643 ng  
RT: 7.52 min Scan# 881  
Delta R.T. 0.14 min  
Lab File: BF106980.D  
Acq: 29 Jun 2018 18:27

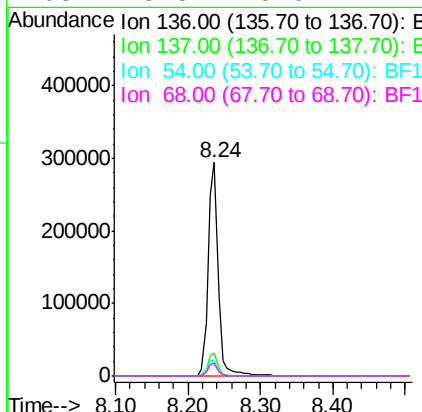
Instrument :  
BNA\_F  
ClientSampleId :  
93-95-B3(10-15)

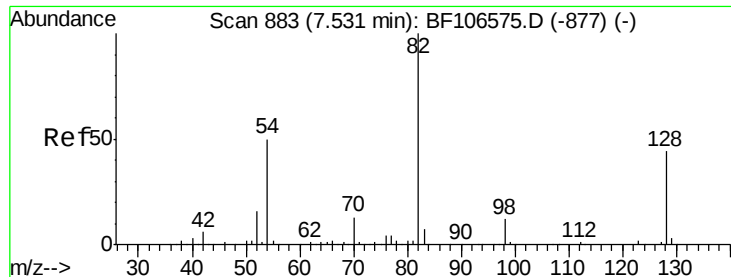
Tgt Ion: 70 Resp: 61744  
Ion Ratio Lower Upper  
70 100  
42 42.0 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.0 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BF106980.D  
Acq: 29 Jun 2018 18:27

Tgt Ion: 136 Resp: 283667  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 7.2 6.6 9.8  
68 5.8 5.0 7.4

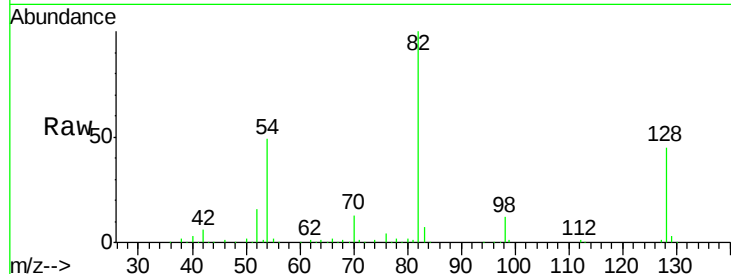




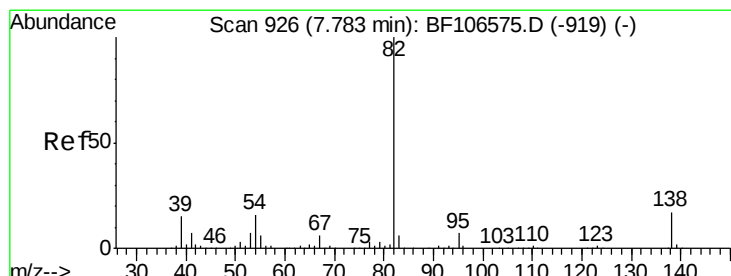
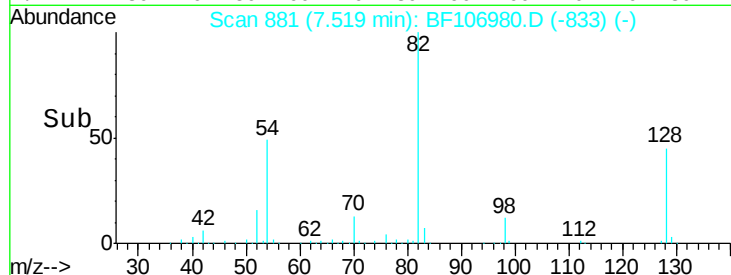
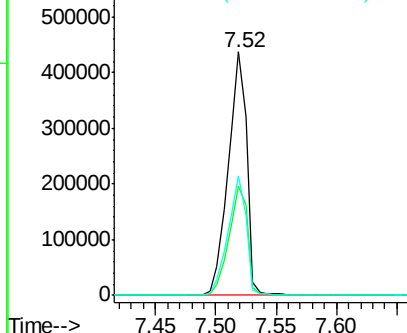
#23  
 Nitrobenzene-d5  
 Concen: 91.792 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.02 min  
 Lab File: BF106980.D  
 Acq: 29 Jun 2018 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 93-95-B3(10-15)

Tgt Ion: 82 Resp: 468540  
 Ion Ratio Lower Upper  
 82 100  
 128 44.7 36.1 54.1  
 54 49.1 41.4 62.2

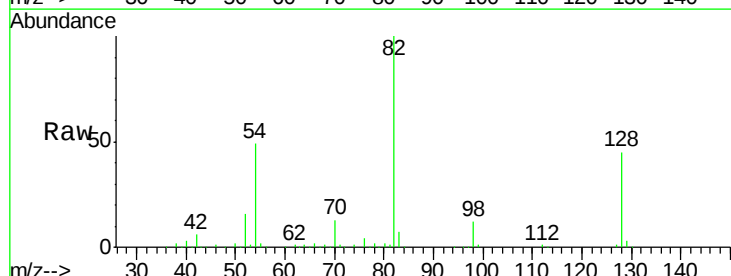


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

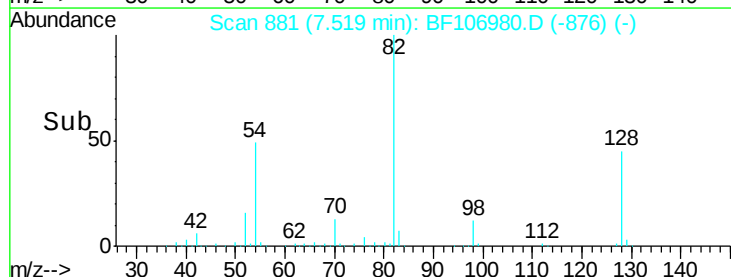
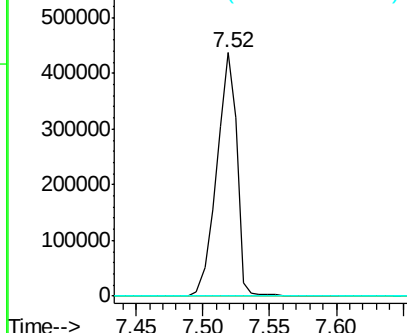


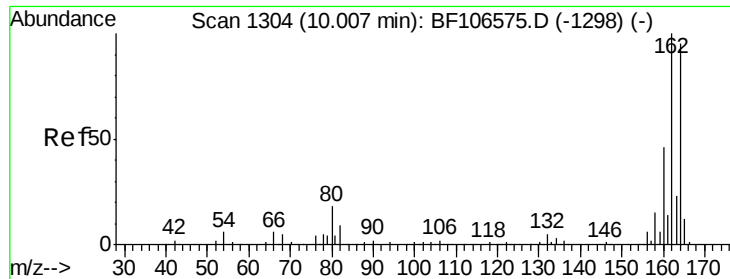
#25  
 Isophorone  
 Concen: 51.810 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.27 min  
 Lab File: BF106980.D  
 Acq: 29 Jun 2018 18:27

Tgt Ion: 82 Resp: 466014  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.2 7.8#  
 138 0.0 14.9 22.3#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF106980.D

Acq: 29 Jun 2018 18:27

Instrument :

BNA\_F

ClientSampleId :

93-95-B3(10-15)

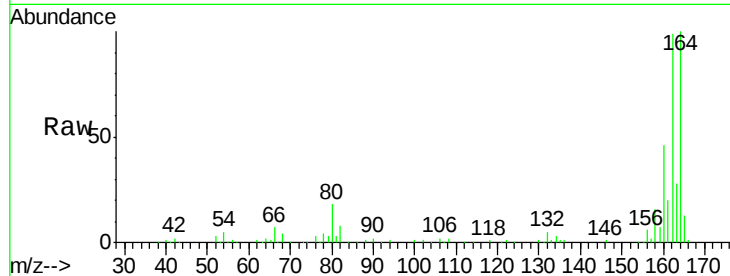
Tgt Ion:164 Resp: 132285

Ion Ratio Lower Upper

164 100

162 99.2 86.1 129.1

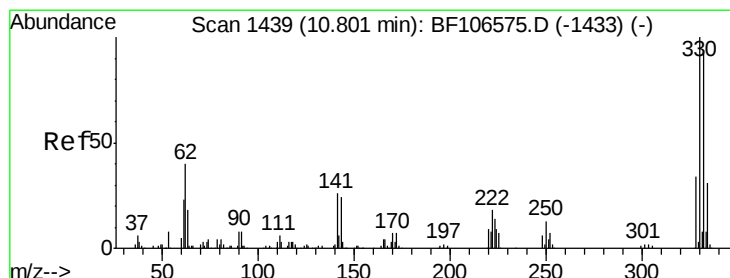
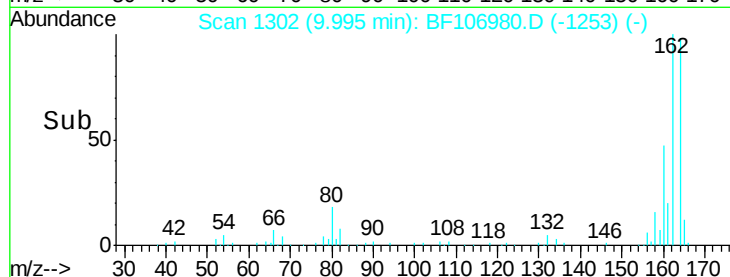
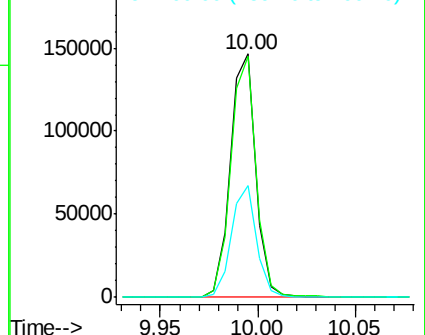
160 46.0 38.3 57.5



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: 140.077 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF106980.D

Acq: 29 Jun 2018 18:27

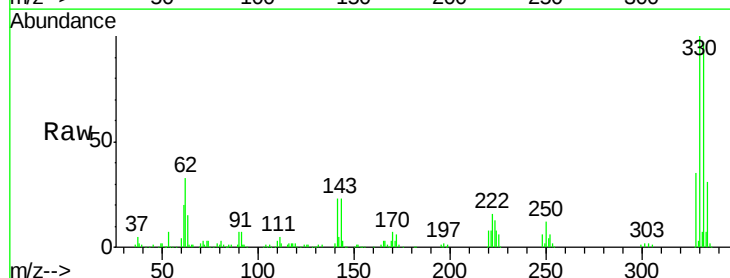
Tgt Ion:330 Resp: 214769

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

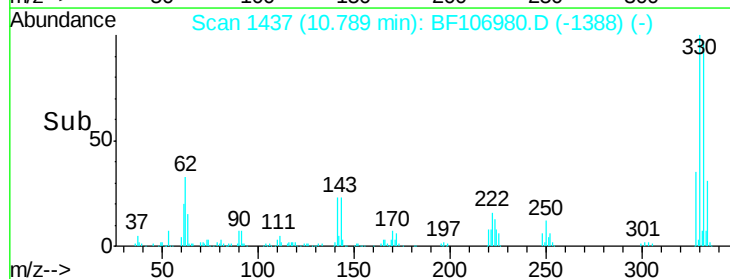
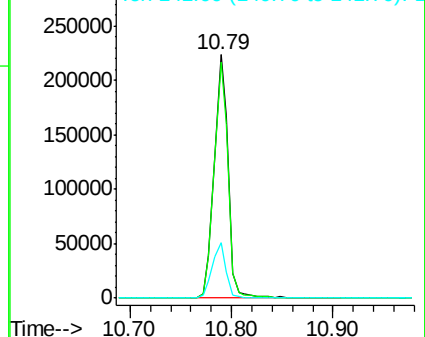
141 22.7 29.9 44.9#

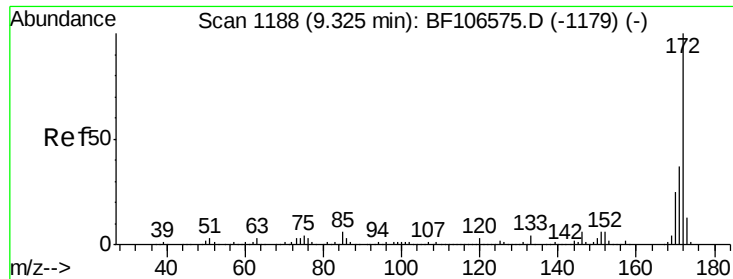


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

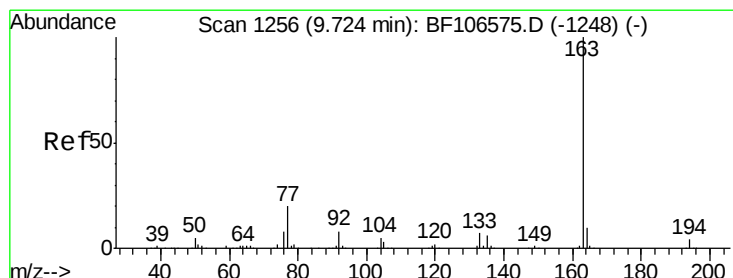
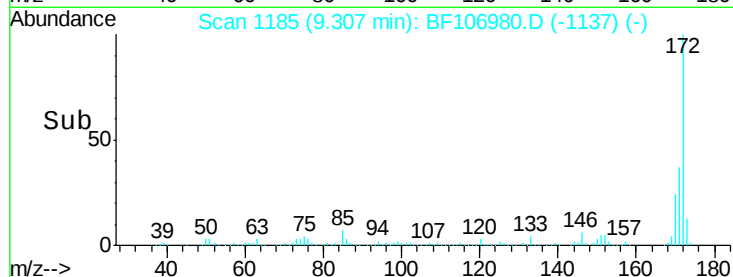
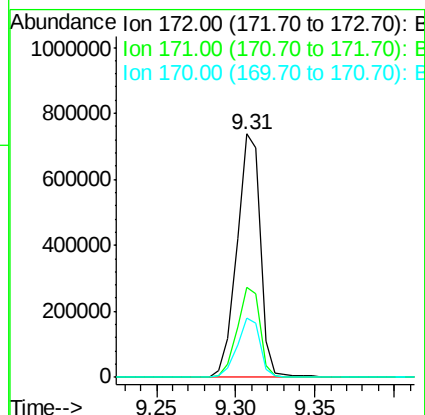
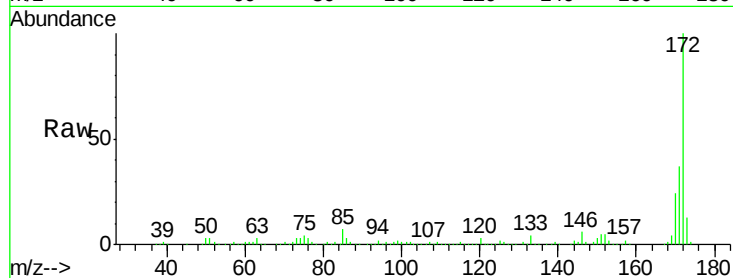




#44  
2-Fluorobiphenyl  
Concen: 99.103 ng  
RT: 9.31 min Scan# 1185  
Delta R.T. -0.02 min  
Lab File: BF106980.D  
Acq: 29 Jun 2018 18:27

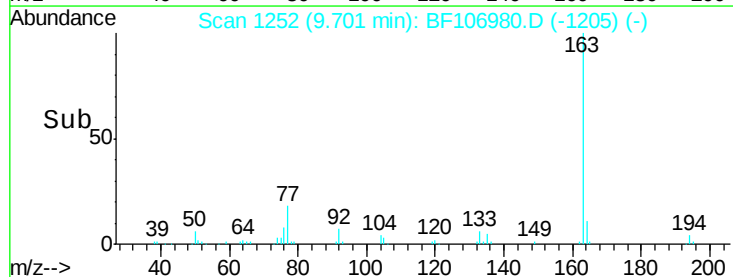
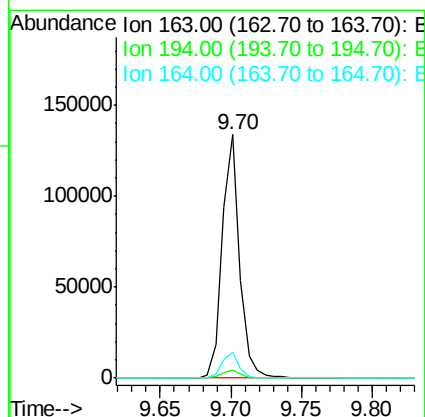
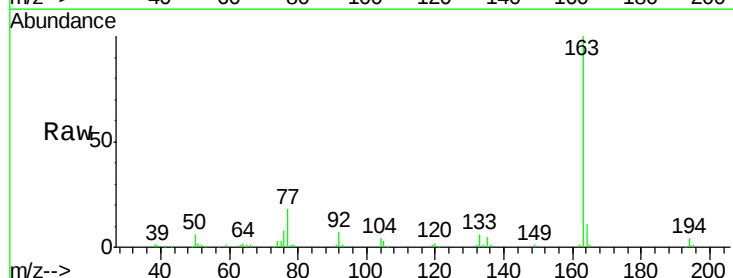
Instrument :  
BNA\_F  
ClientSampleId :  
93-95-B3(10-15)

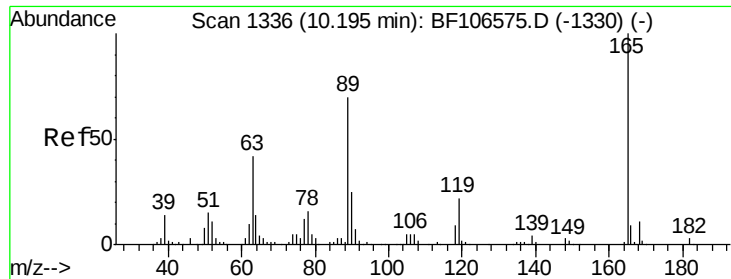
Tgt Ion:172 Resp: 755402  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.7 44.5  
170 24.4 19.6 29.4



#49  
Dimethylphthalate  
Concen: 11.480 ng  
RT: 9.70 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF106980.D  
Acq: 29 Jun 2018 18:27

Tgt Ion:163 Resp: 113899  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 10.7 8.2 12.2

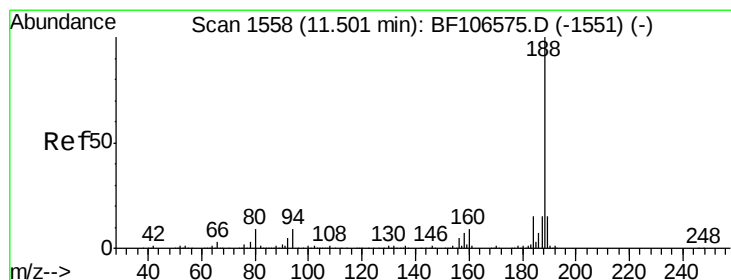
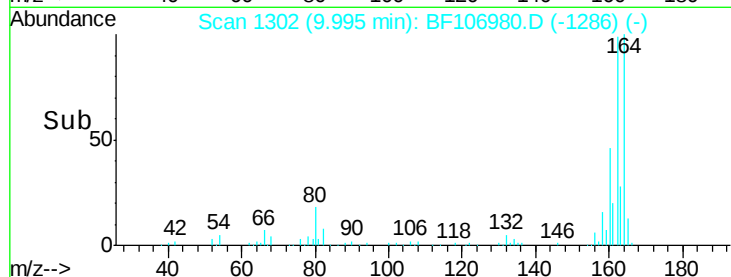
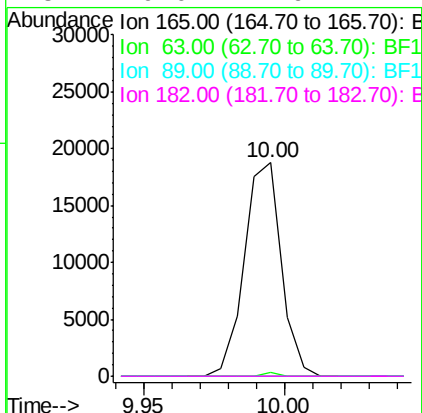
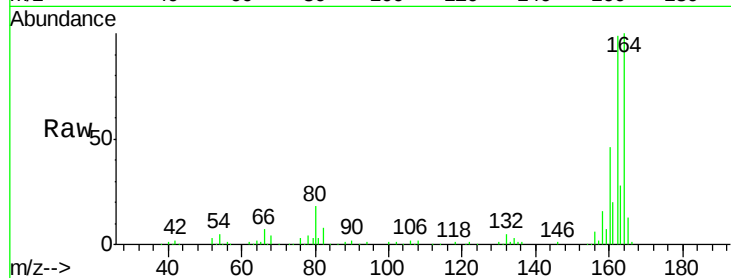




#56  
 2,4-Dinitrotoluene  
 Concen: 6.214 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.21 min  
 Lab File: BF106980.D  
 Acq: 29 Jun 2018 18:27

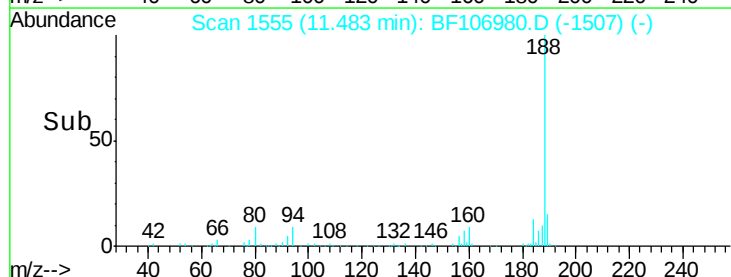
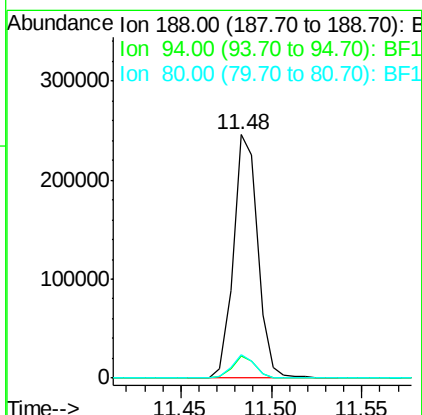
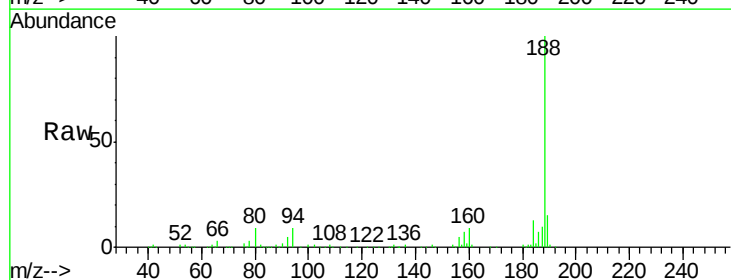
Instrument :  
 BNA\_F  
 ClientSampleId :  
 93-95-B3(10-15)

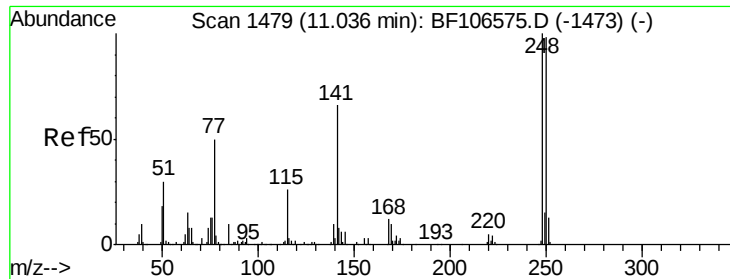
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 17040 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.6   | 36.4  | 54.6# |
| 89       | 0.0   | 57.8  | 86.6# |
| 182      | 0.0   | 1.6   | 2.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.48 min Scan# 1555  
 Delta R.T. -0.02 min  
 Lab File: BF106980.D  
 Acq: 29 Jun 2018 18:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 230932 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.3   | 8.5   | 12.7   |
| 80       | 9.4   | 9.2   | 13.8   |

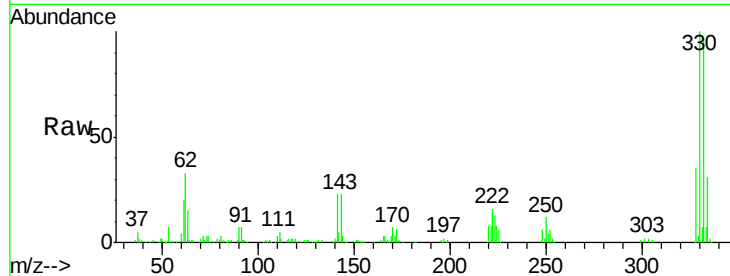




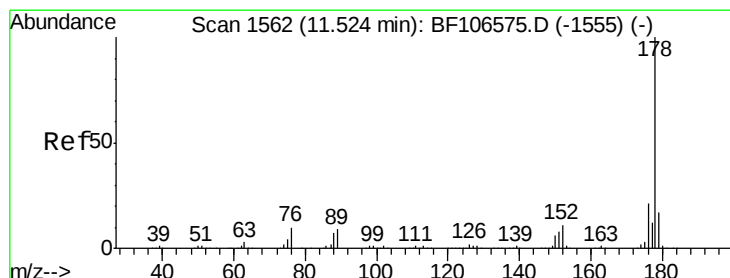
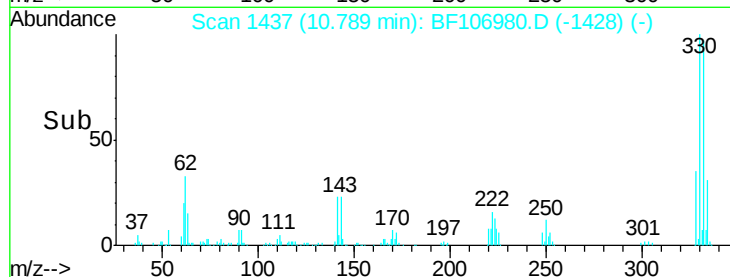
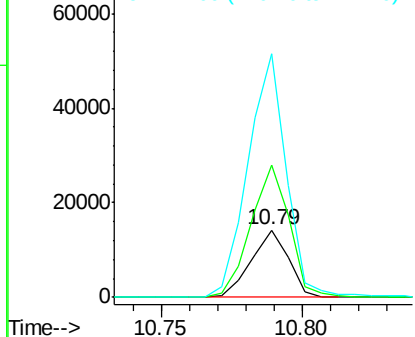
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.738 ng  
 RT: 10.79 min Scan# 1437  
 Delta R.T. -0.25 min  
 Lab File: BF106980.D  
 Acq: 29 Jun 2018 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 93-95-B3(10-15)

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 195.8 | 76.9  | 115.3# |
| 141     | 361.5 | 74.4  | 111.6# |

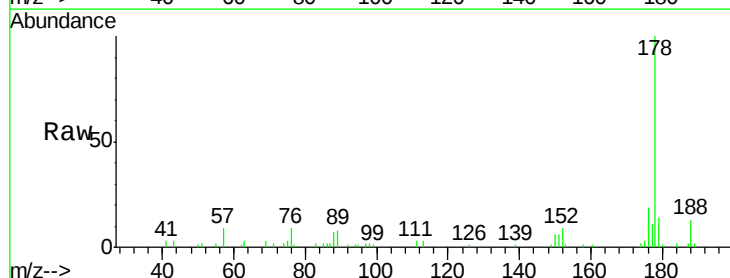


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

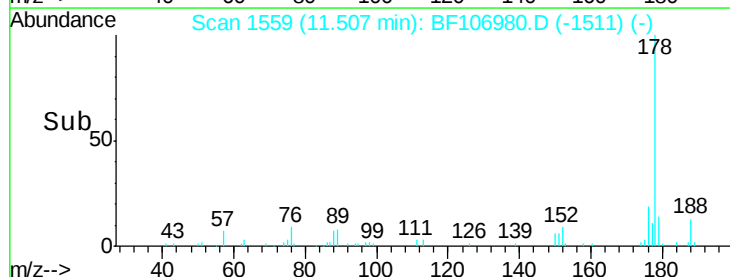
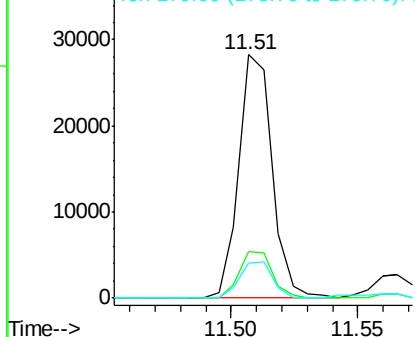


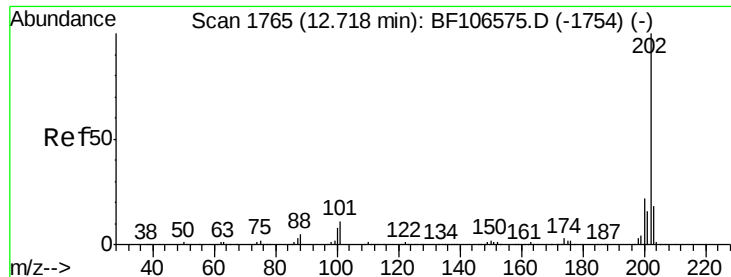
#70  
 Phenanthrene  
 Concen: 2.322 ng  
 RT: 11.51 min Scan# 1559  
 Delta R.T. -0.02 min  
 Lab File: BF106980.D  
 Acq: 29 Jun 2018 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.8  | 23.8  |
| 179     | 14.5  | 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





#74

Fluoranthene

Concen: 2.748 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106980.D

Acq: 29 Jun 2018 18:27

Instrument :

BNA\_F

ClientSampleId :

93-95-B3(10-15)

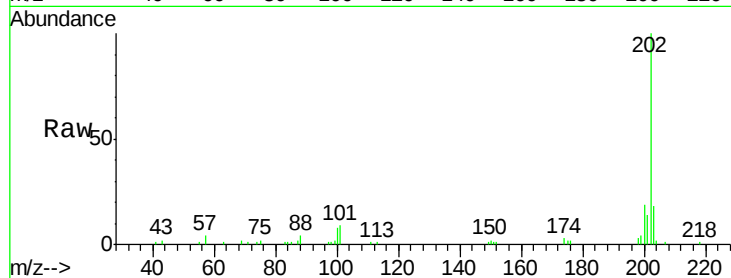
Tgt Ion: 202 Resp: 33735

Ion Ratio Lower Upper

202 100

101 9.1 0.0 34.1

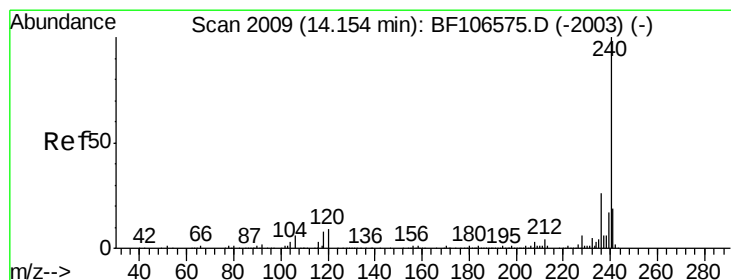
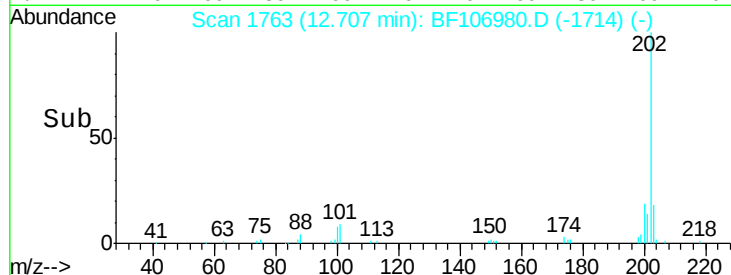
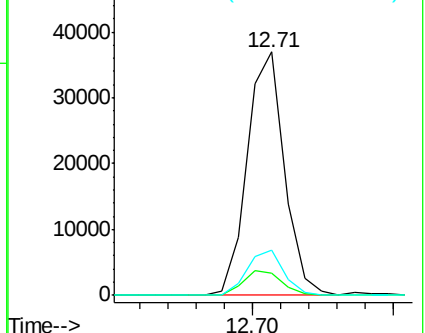
203 18.4 0.0 38.1



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: BF106980.D

Acq: 29 Jun 2018 18:27

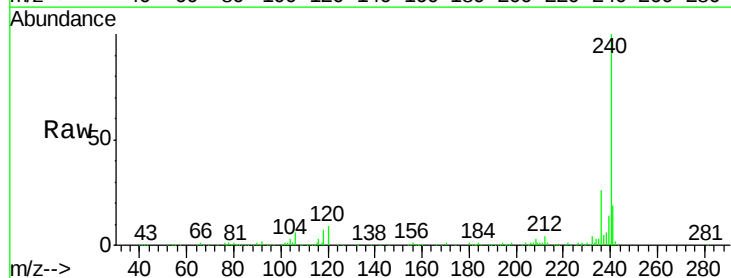
Tgt Ion: 240 Resp: 217884

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

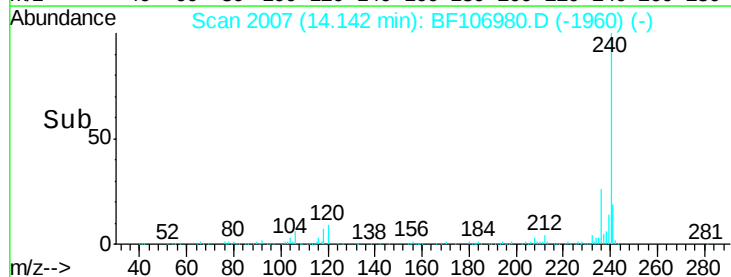
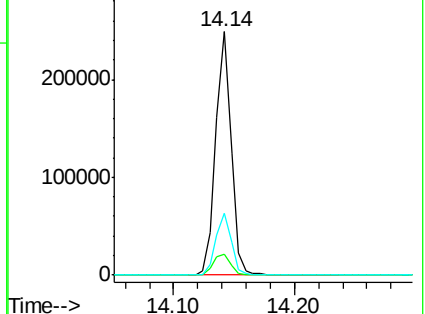
236 25.6 20.7 31.1

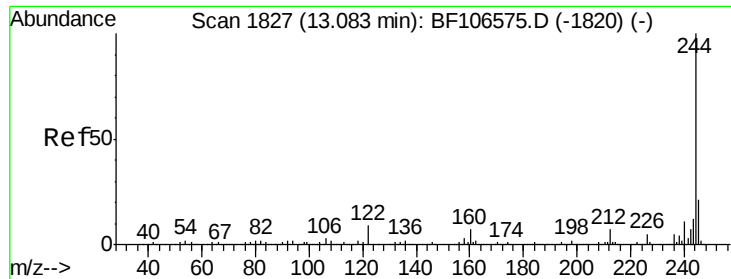


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

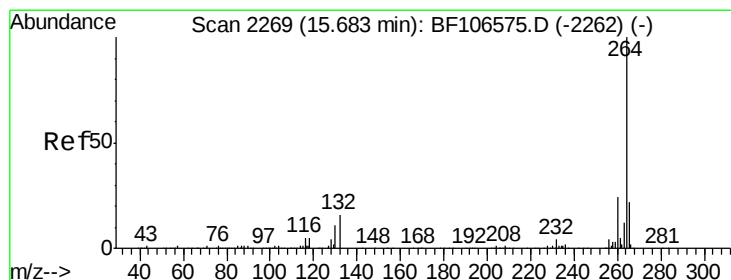
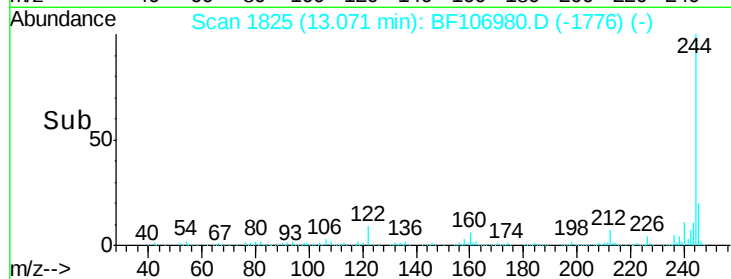
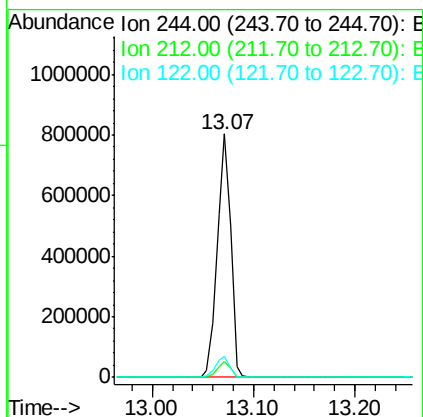
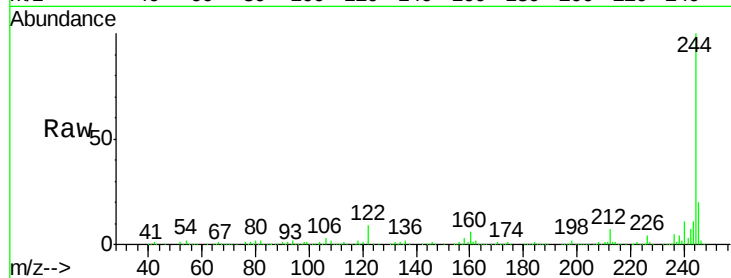




#78  
Terphenyl-d14  
Concen: 82.373 ng  
RT: 13.07 min Scan# 1825  
Delta R.T. -0.01 min  
Lab File: BF106980.D  
Acq: 29 Jun 2018 18:27

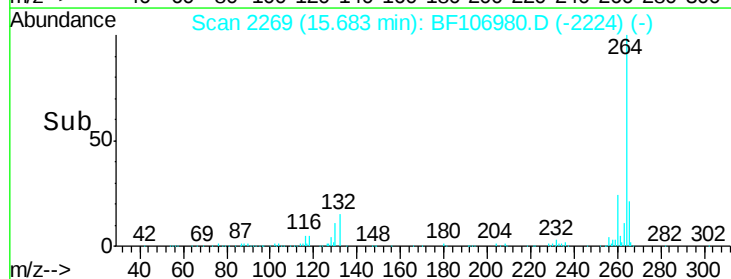
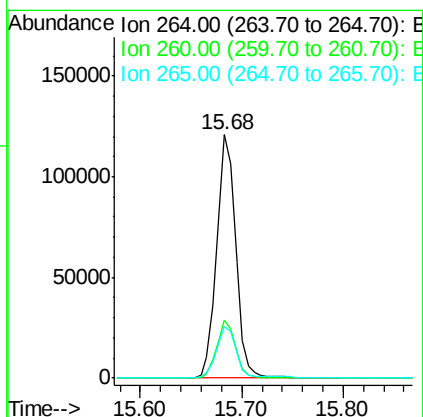
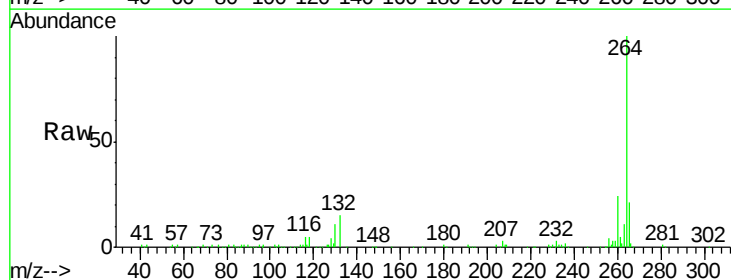
Instrument :  
BNA\_F  
ClientSampleId :  
93-95-B3(10-15)

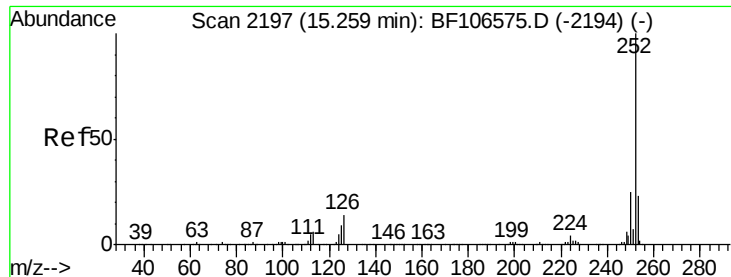
Tgt Ion:244 Resp: 740939  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.4 8.0  
122 8.8 11.0 16.4#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. -0.04 min  
Lab File: BF106980.D  
Acq: 29 Jun 2018 18:27

Tgt Ion:264 Resp: 159612  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.2 28.8  
265 21.0 17.5 26.3





#88

Benzo(k)fluoranthene

Concen: 2.085 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.06 min

Lab File: BF106980.D

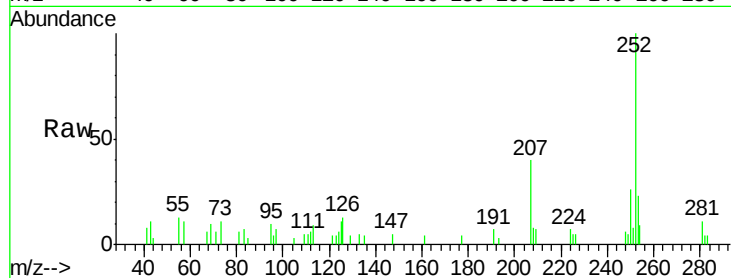
Acq: 29 Jun 2018 18:27

Instrument :

BNA\_F

ClientSampleId :

93-95-B3(10-15)



Tgt Ion: 252 Resp: 19682

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 11.5 10.2 15.2

