

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
 Data File : BF106757.D  
 Acq On : 23 Jun 2018 13:28  
 Operator : JU/SJ  
 Sample : J3596-02  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-22

Quant Time: Jun 25 04:09:56 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 22 11:34:03 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 41846    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 147451   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 62489    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.49 | 188  | 119710   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.15 | 240  | 135334   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.68 | 264  | 97208    | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 32324    | 13.08 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 23250    | 7.53  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 55217    | 20.81 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 18948    | 26.16 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 107017   | 17.23 | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.07 | 244  | 129732   | 23.22 | ng    | -0.01    |

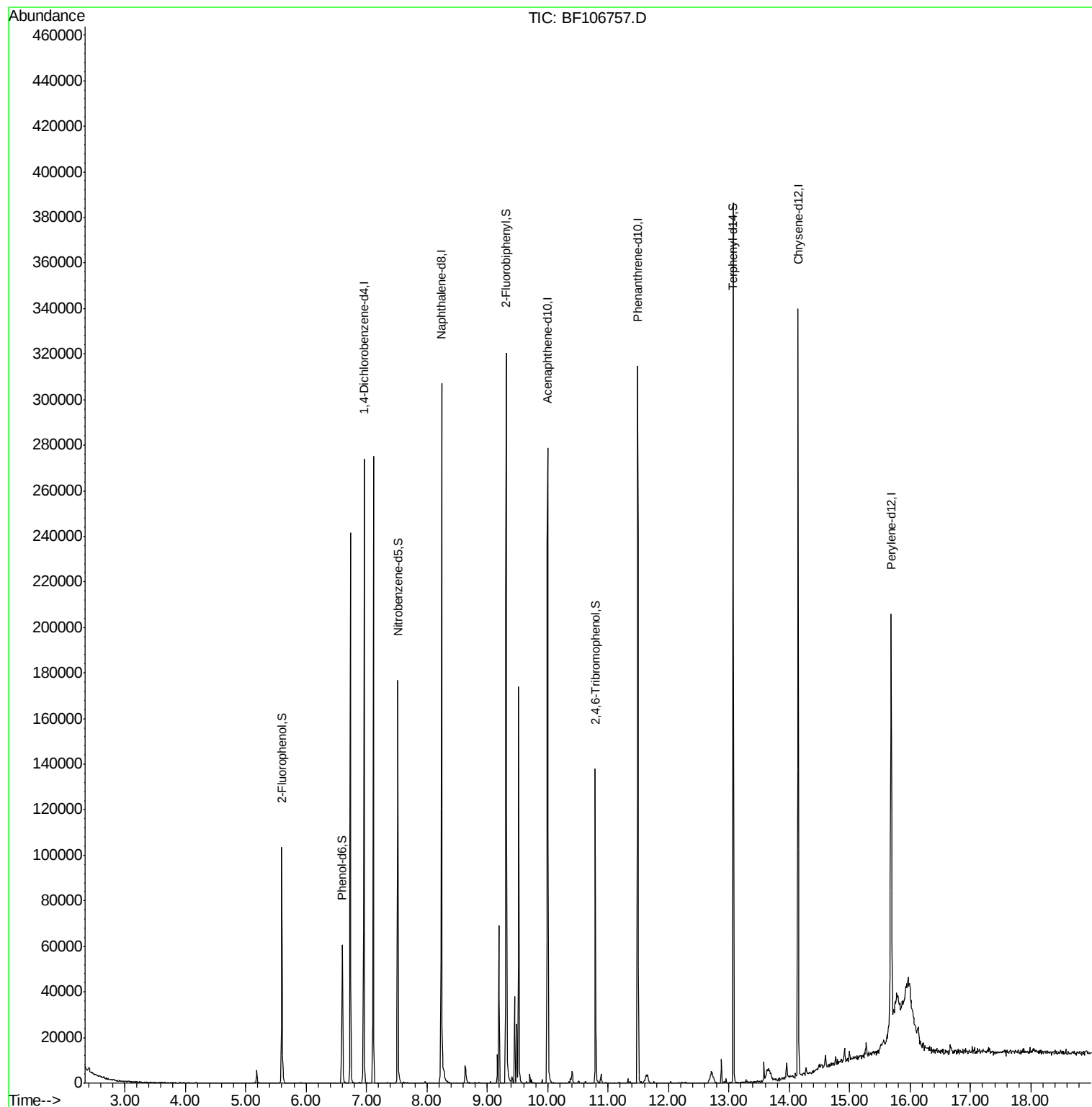
Target Compounds Qvalue

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

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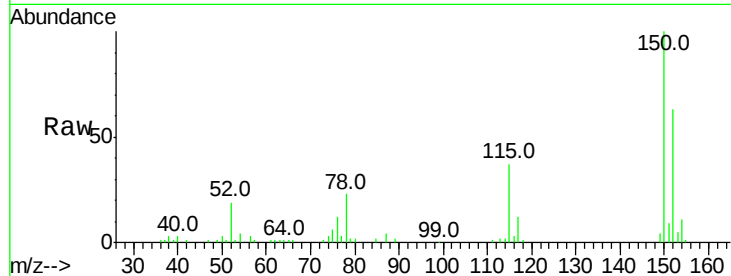


#1

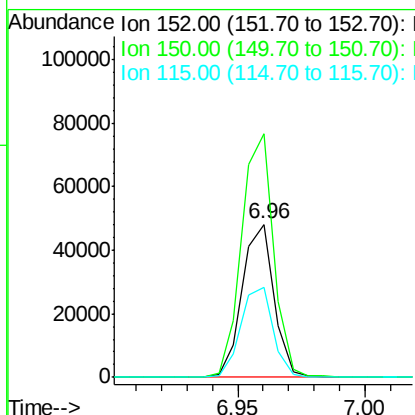
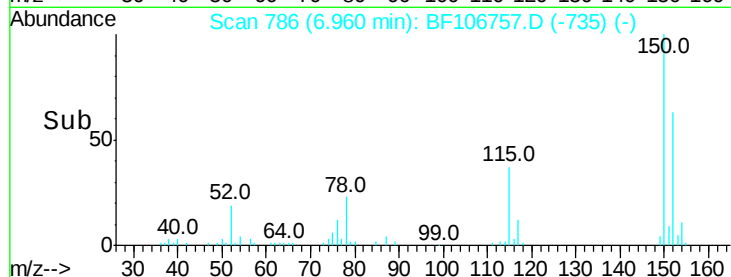
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.96 min Scan# 786  
 Delta R.T. -0.00 min  
 Lab File: BF106757.D  
 Acq: 23 Jun 2018 13:28

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-22

Tot Ion:152 Resp: 41846  
 Ion Ratio Lower Upper  
 152 100  
 150 159.4 124.6 186.8  
 115 58.9 50.1 75.1



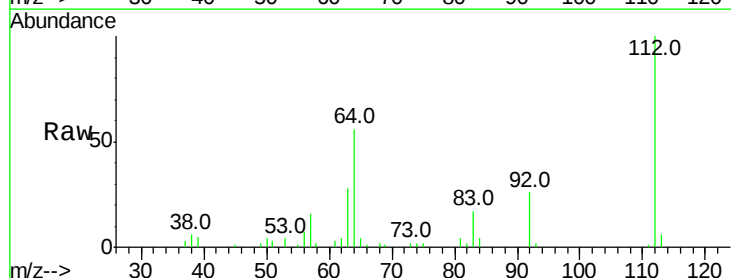
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



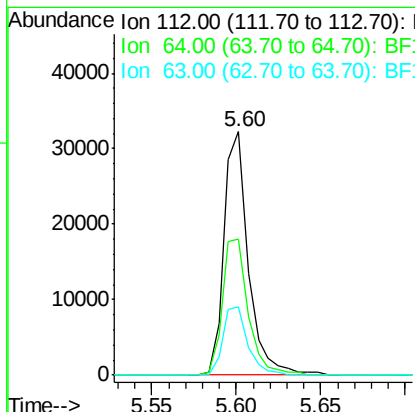
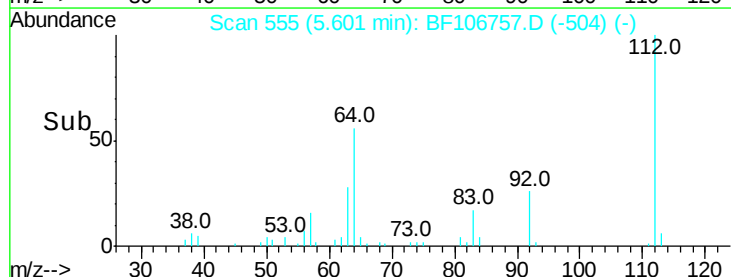
#5

2-Fluorophenol  
 Concen: 13.080 ng  
 RT: 5.60 min Scan# 555  
 Delta R.T. -0.00 min  
 Lab File: BF106757.D  
 Acq: 23 Jun 2018 13:28

Tgt Ion:112 Resp: 32324  
 Ion Ratio Lower Upper  
 112 100  
 64 55.7 47.9 71.9  
 63 27.9 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: 7.534 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106757.D

Acq: 23 Jun 2018 13:28

Instrument :

BNA\_F

ClientSampleId :

MW-22

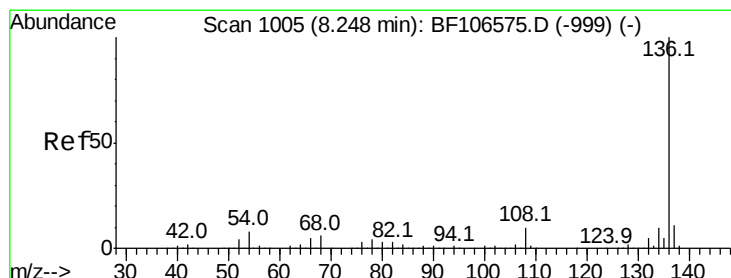
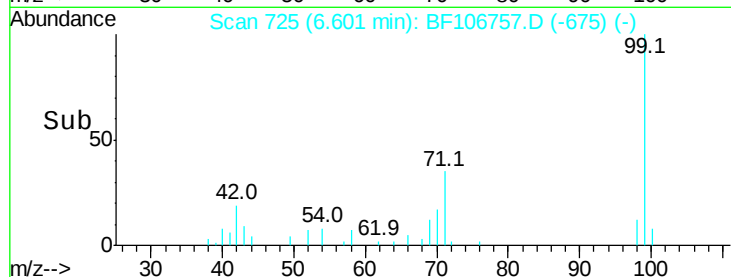
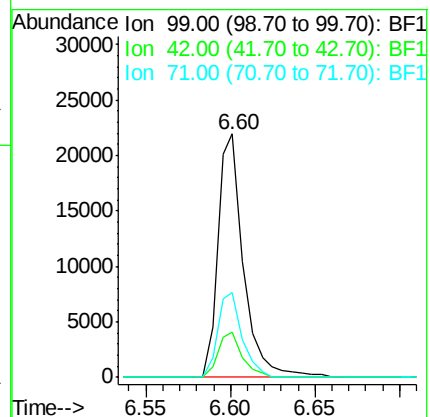
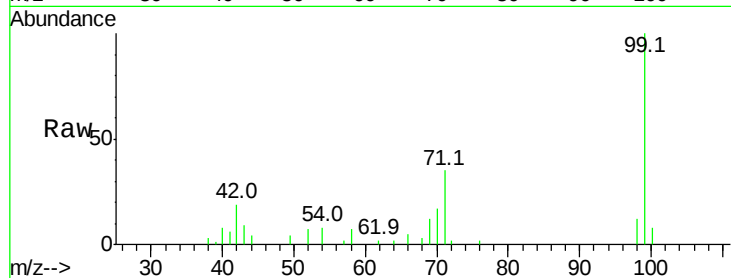
Tot Ion: 99 Resp: 23250

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

71 35.0 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106757.D

Acq: 23 Jun 2018 13:28

Tgt Ion: 136 Resp: 147451

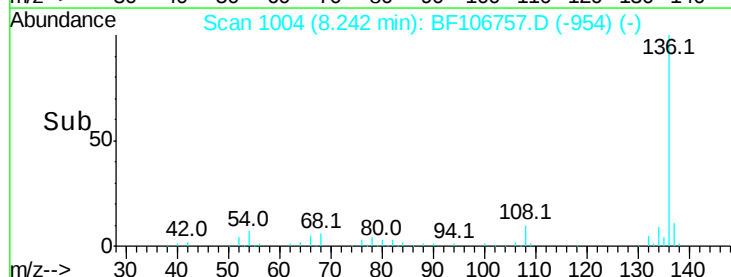
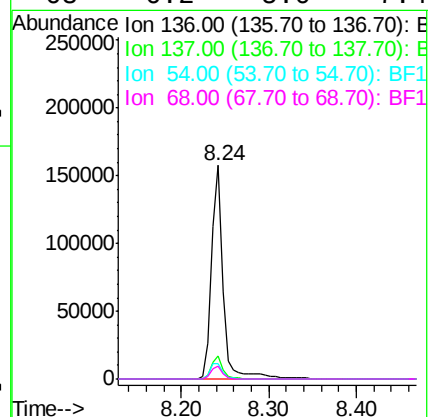
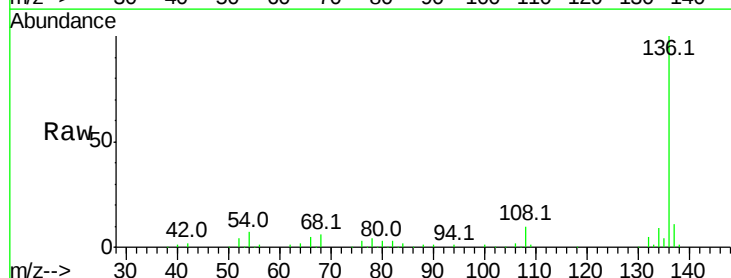
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.3 6.6 9.8

68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 20.811 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF106757.D

Acq: 23 Jun 2018 13:28

Instrument :

BNA\_F

ClientSampleId :

MW-22

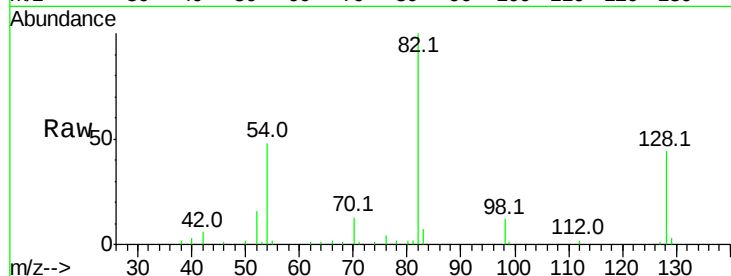
Tot Ion: 82 Resp: 55217

Ion Ratio Lower Upper

82 100

128 43.6 36.1 54.1

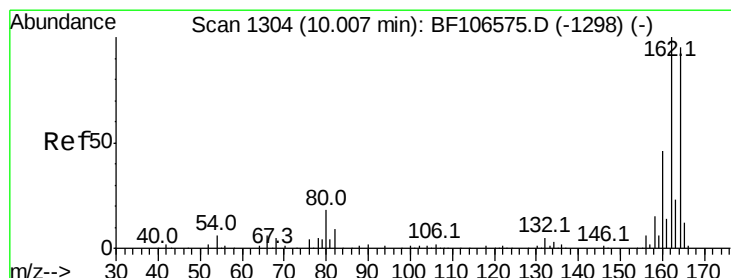
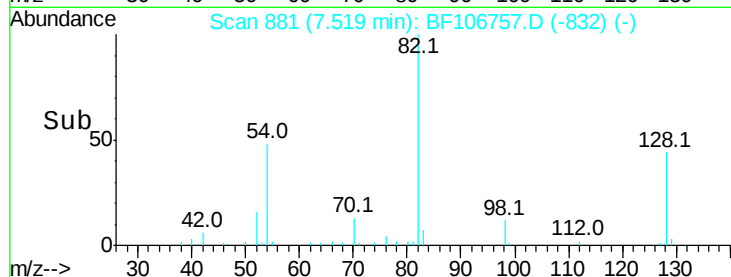
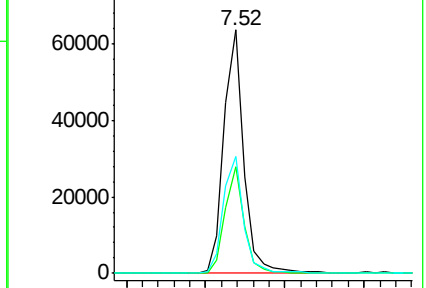
54 47.8 41.4 62.2



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106757.D

Acq: 23 Jun 2018 13:28

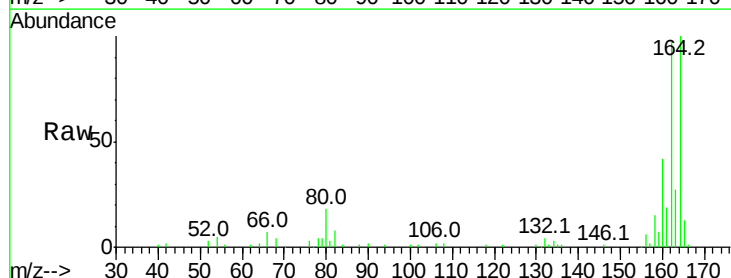
Tgt Ion:164 Resp: 62489

Ion Ratio Lower Upper

164 100

162 96.9 86.1 129.1

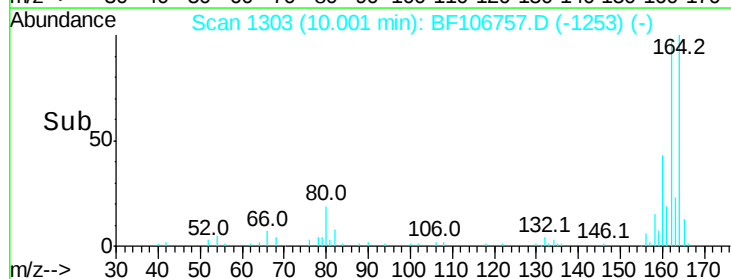
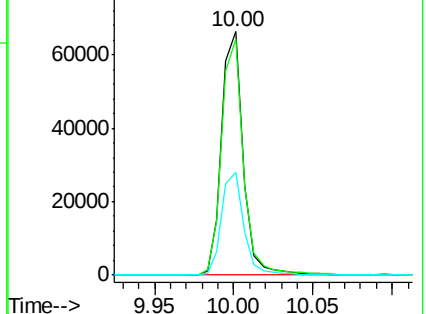
160 42.3 38.3 57.5

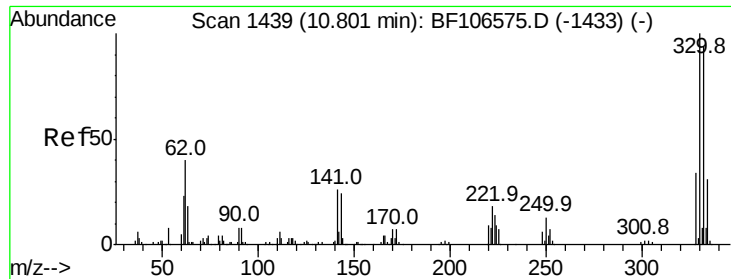


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

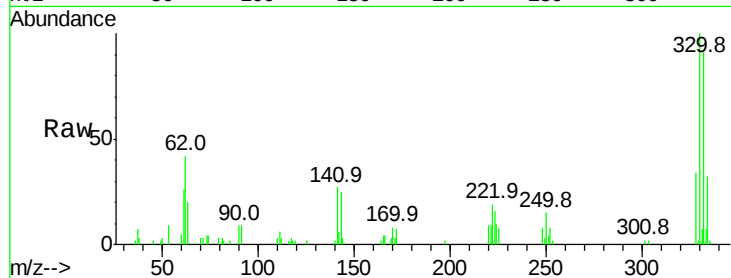




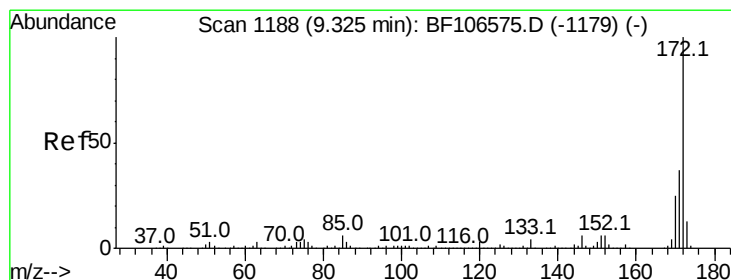
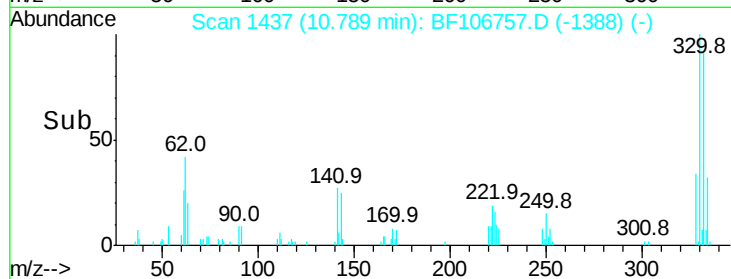
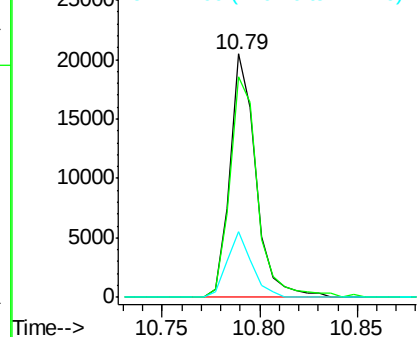
#41  
 2,4,6-Tribromophenol  
 Concen: 26.162 ng  
 RT: 10.79 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF106757.D  
 Acq: 23 Jun 2018 13:28

Instrument :  
 BNA\_F  
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 MW-22

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.0  | 115.6 |
| 141     | 25.3  | 29.9  | 44.9# |

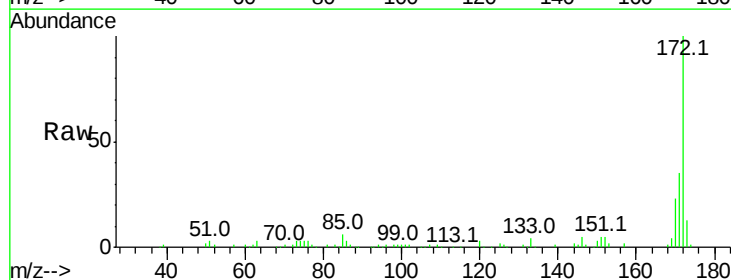


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

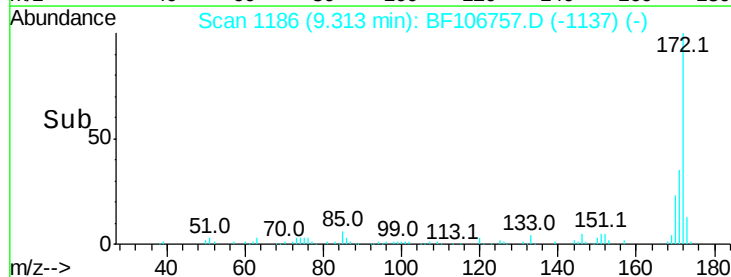
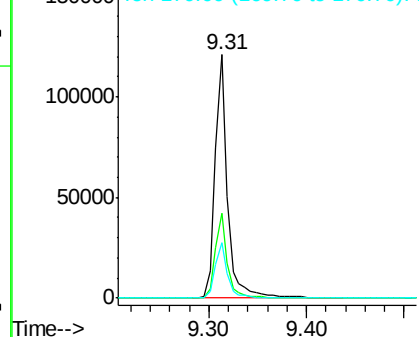


#44  
 2-Fluorobiphenyl  
 Concen: 17.226 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF106757.D  
 Acq: 23 Jun 2018 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 29.7  | 44.5  |
| 170     | 22.7  | 19.6  | 29.4  |



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

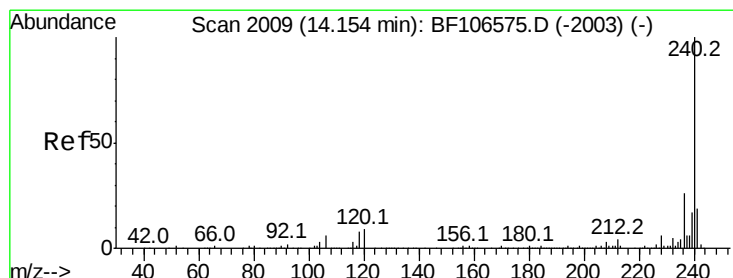
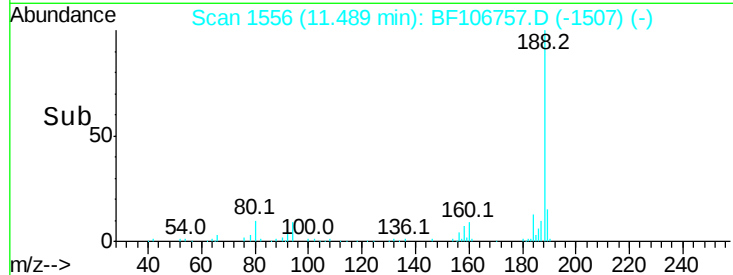
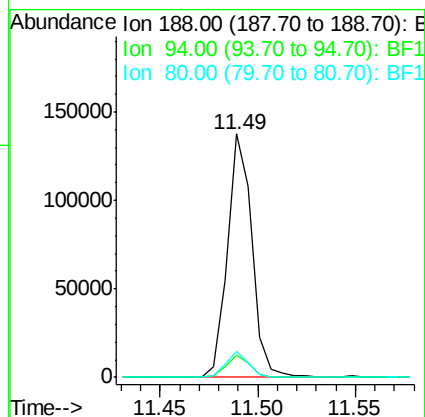
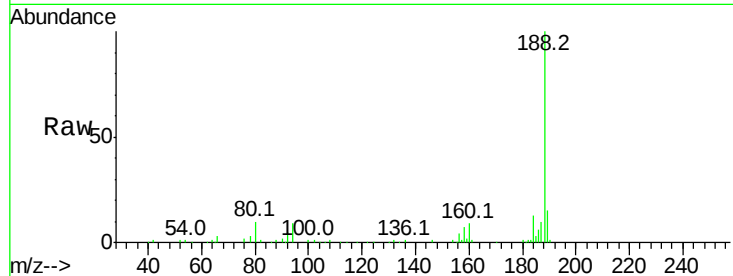




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106757.D  
Acq: 23 Jun 2018 13:28

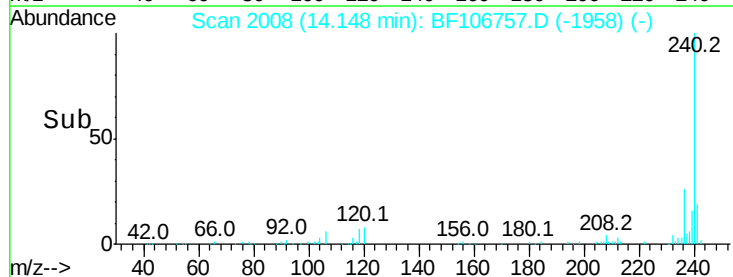
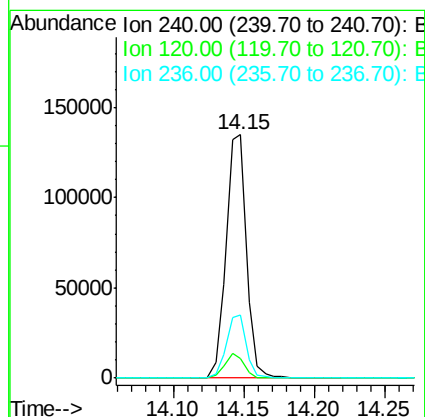
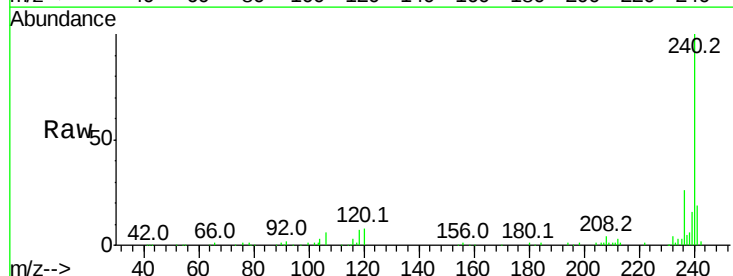
Instrument :  
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ClientSampleId :  
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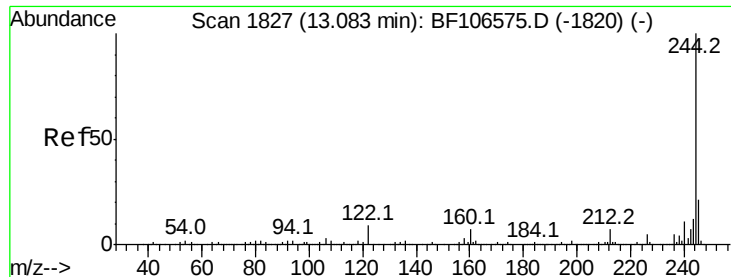
Tot Ion:188 Resp: 119710  
Ion Ratio Lower Upper  
188 100  
94 9.0 8.5 12.7  
80 10.4 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF106757.D  
Acq: 23 Jun 2018 13:28

Tgt Ion:240 Resp: 135334  
Ion Ratio Lower Upper  
240 100  
120 8.2 9.5 14.3#  
236 25.7 20.7 31.1

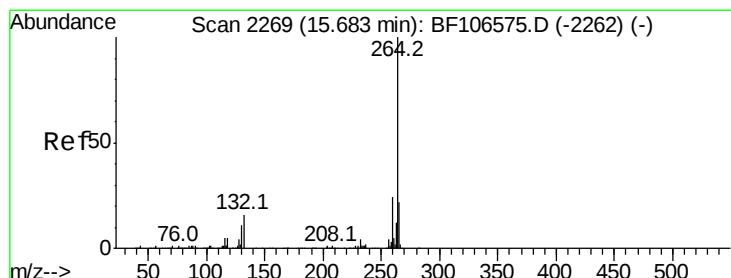
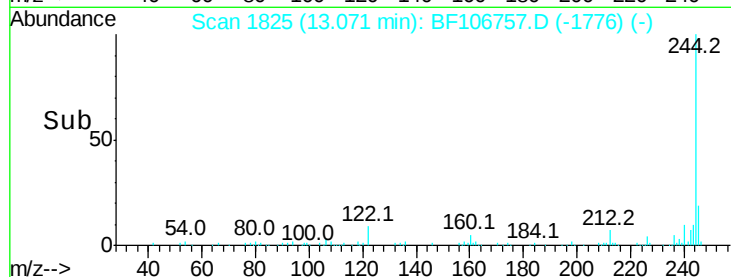
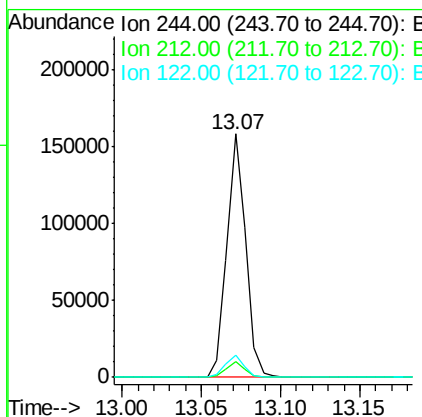
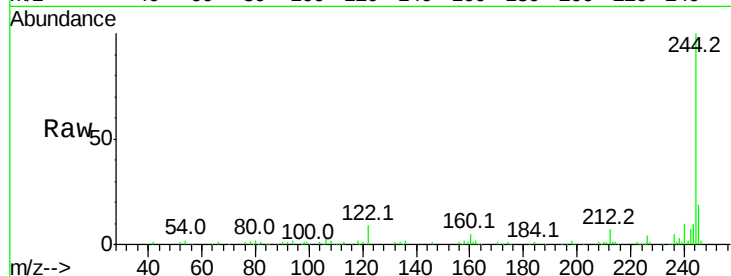




#78  
 Terphenyl-d14  
 Concen: 23.220 ng  
 RT: 13.07 min Scan# 1825  
 Delta R.T. -0.01 min  
 Lab File: BF106757.D  
 Acq: 23 Jun 2018 13:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-22

Tot Ion:244 Resp: 129732  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.4 8.0  
 122 9.4 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2269  
 Delta R.T. -0.01 min  
 Lab File: BF106757.D  
 Acq: 23 Jun 2018 13:28

Tgt Ion:264 Resp: 97208  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.2 28.8  
 265 22.1 17.5 26.3

