

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\  
 Data File : BF106325.D  
 Acq On : 12 Jun 2018 5:57  
 Operator : JU/SJ  
 Sample : J3311-03  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-03

Quant Time: Jun 12 08:20:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 11 15:00:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 189132   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 623272   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.01 | 164  | 329688   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.50 | 188  | 450210   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.14 | 240  | 484755   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.67 | 264  | 378203   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 616215   | 55.14  | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 503288   | 35.65  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 917110   | 86.56  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 347887   | 109.67 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1477464  | 77.30  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 1390507  | 71.25  | ng    | 0.00     |

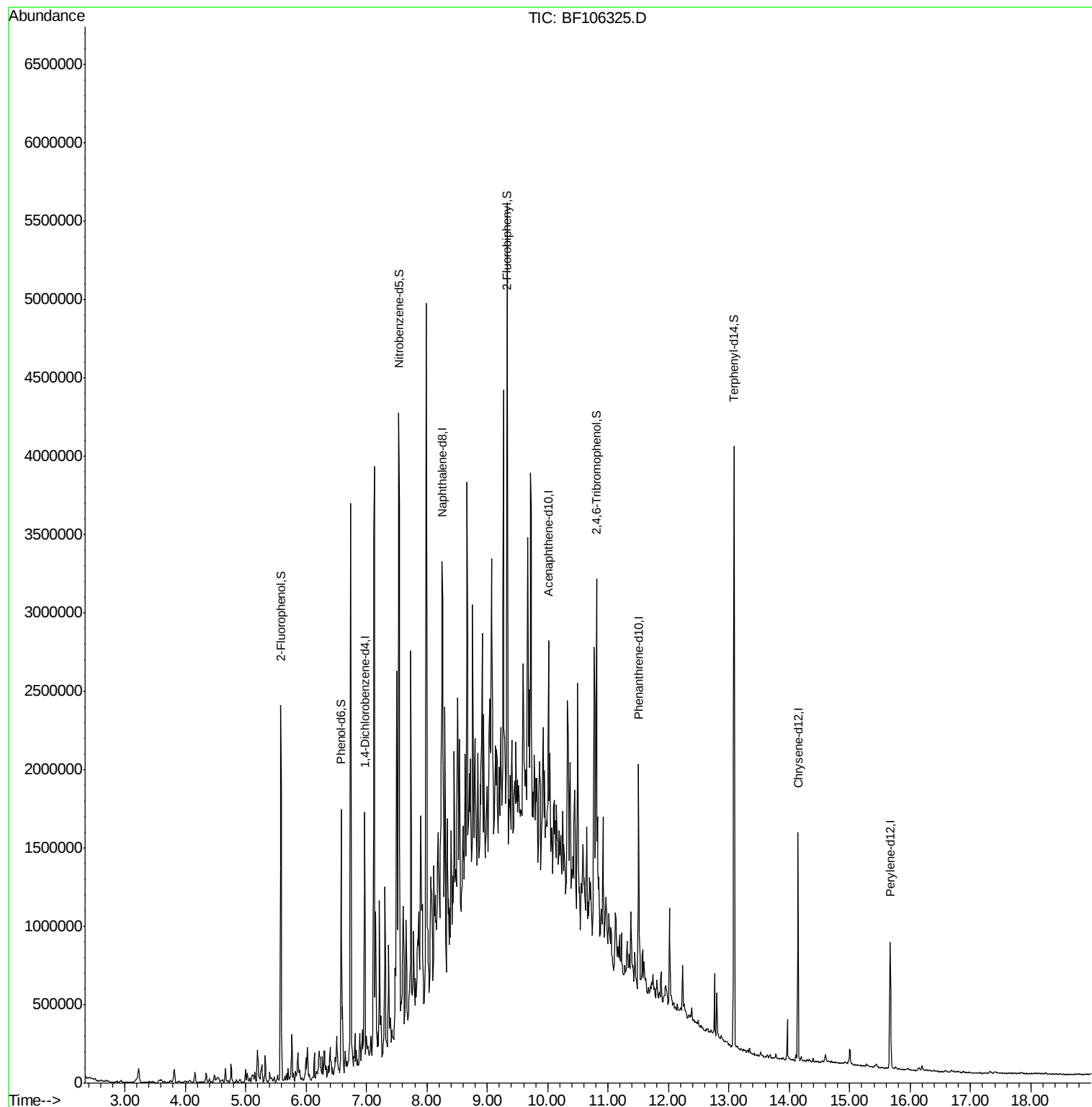
Target Compounds Qvalue

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

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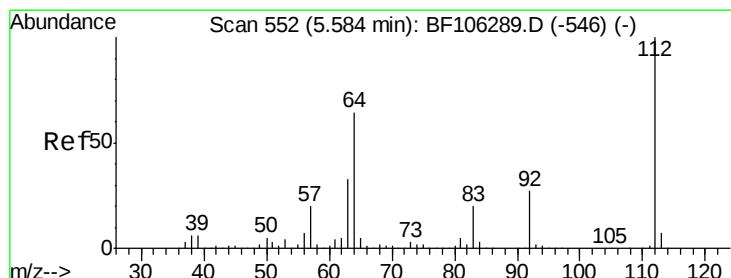
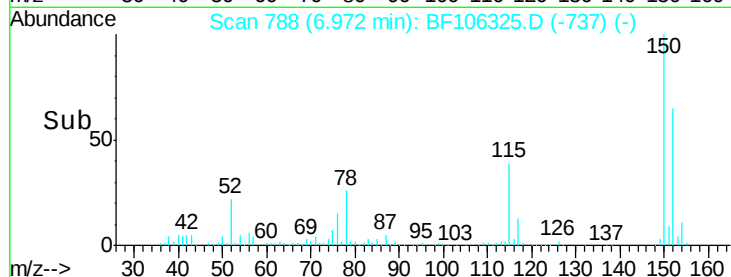
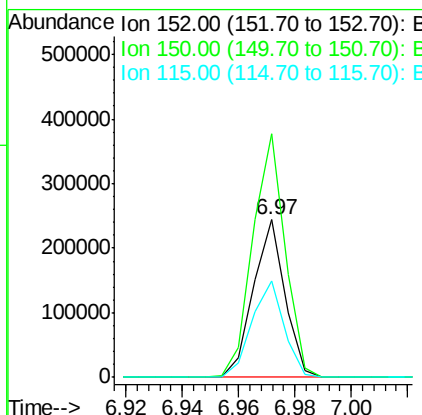
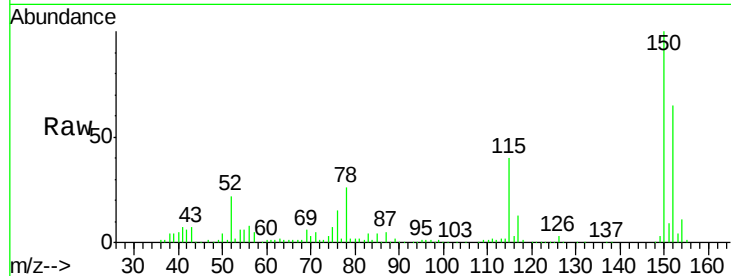


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: BF106325.D  
Acq: 12 Jun 2018 5:57

Instrument :  
BNA\_F  
ClientSampled :  
MW-03

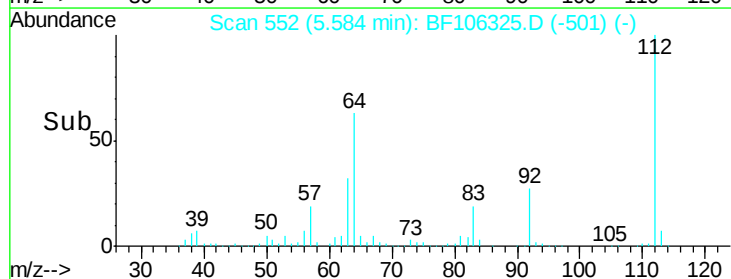
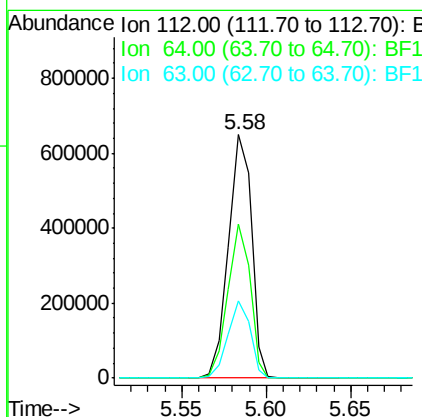
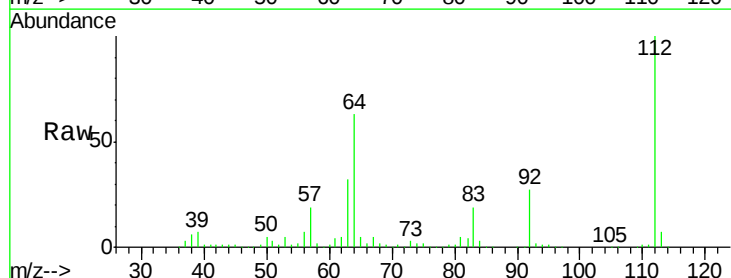
Tot Ion:152 Resp: 189132  
Ion Ratio Lower Upper  
152 100  
150 154.7 124.6 186.8  
115 61.2 50.1 75.1

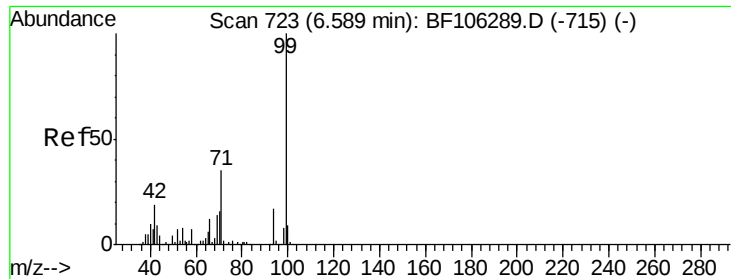


#5

2-Fluorophenol  
Concen: 55.144 ng  
RT: 5.58 min Scan# 552  
Delta R.T. 0.00 min  
Lab File: BF106325.D  
Acq: 12 Jun 2018 5:57

Tgt Ion:112 Resp: 616215  
Ion Ratio Lower Upper  
112 100  
64 63.2 47.9 71.9  
63 31.5 23.7 35.5





#7

Phenol-d6

Concen: 35.648 ng

RT: 6.58 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF106325.D

Acq: 12 Jun 2018 5:57

Instrument :

BNA\_F

ClientSampleId :

MW-03

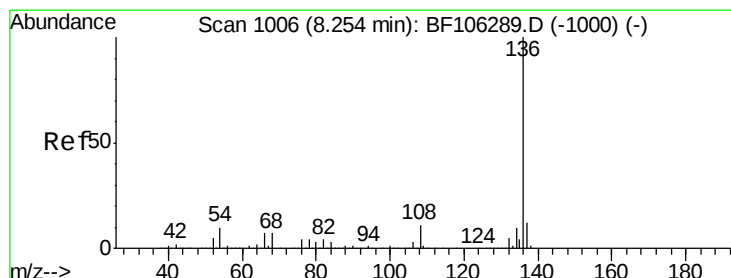
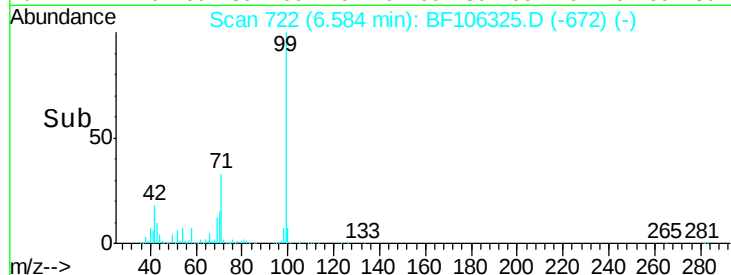
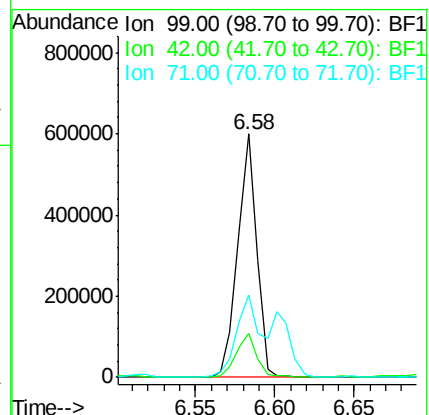
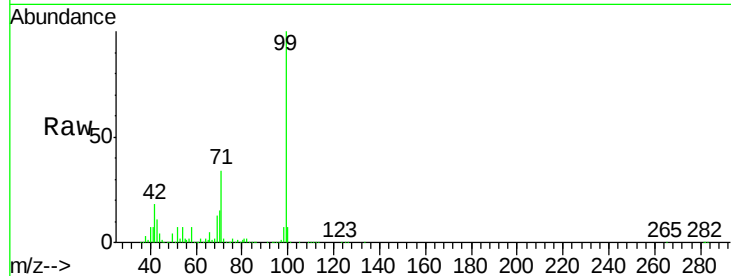
Tot Ion: 99 Resp: 503288

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

71 33.7 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF106325.D

Acq: 12 Jun 2018 5:57

Tgt Ion: 136 Resp: 623272

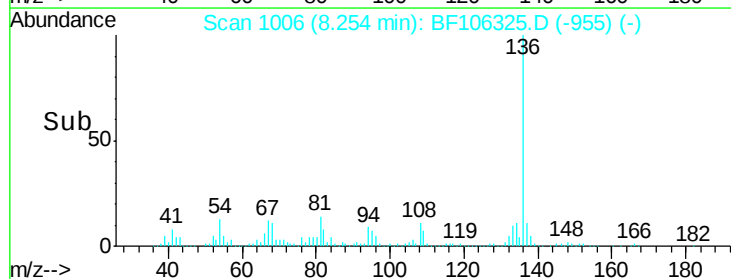
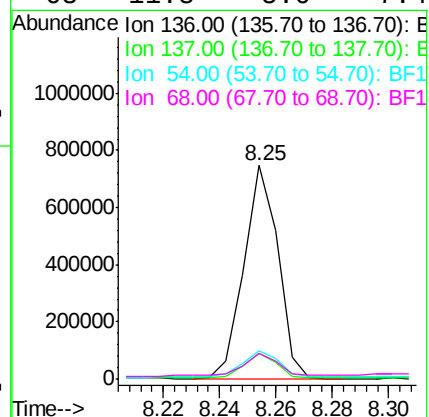
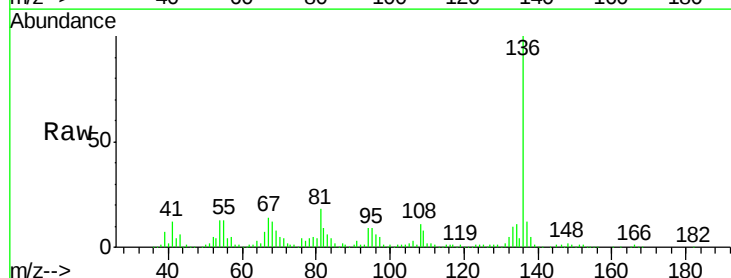
Ion Ratio Lower Upper

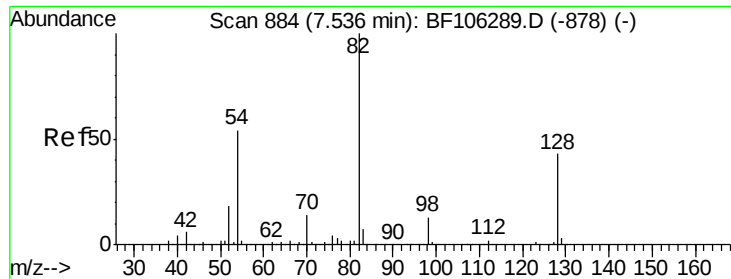
136 100

137 11.8 8.9 13.3

54 13.4 6.6 9.8#

68 11.8 5.0 7.4#

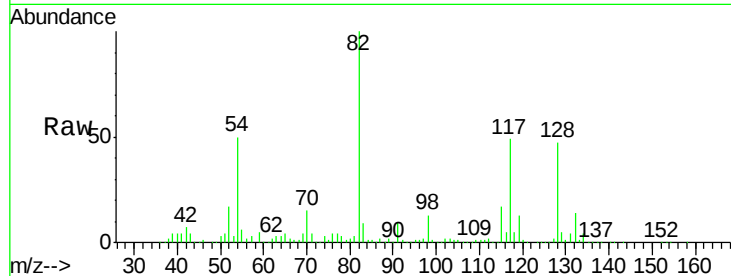




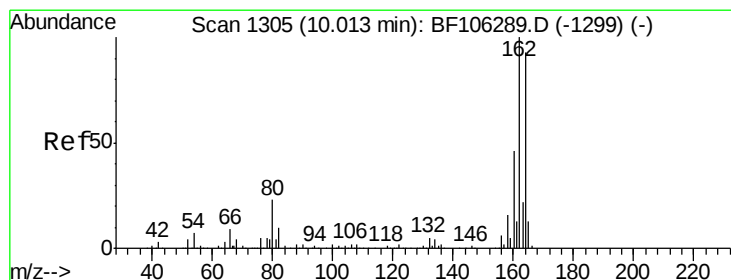
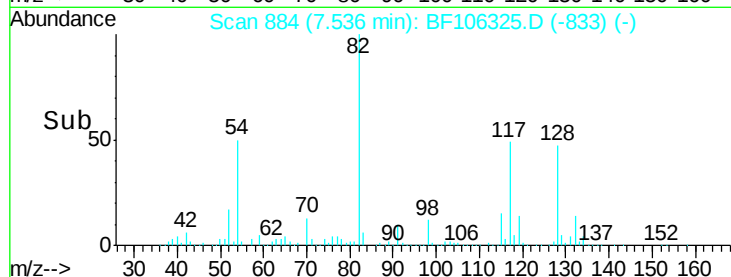
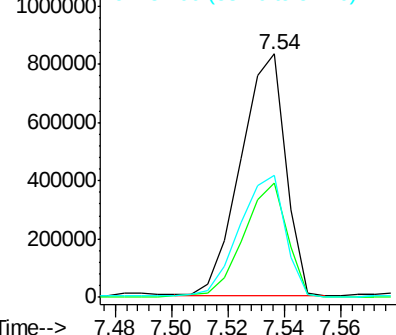
#23  
 Nitrobenzene-d5  
 Concen: 86.563 ng  
 RT: 7.54 min Scan# 884  
 Delta R.T. 0.00 min  
 Lab File: BF106325.D  
 Acq: 12 Jun 2018 5:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-03

Tot Ion: 82 Resp: 917110  
 Ion Ratio Lower Upper  
 82 100  
 128 47.2 36.1 54.1  
 54 50.0 41.4 62.2

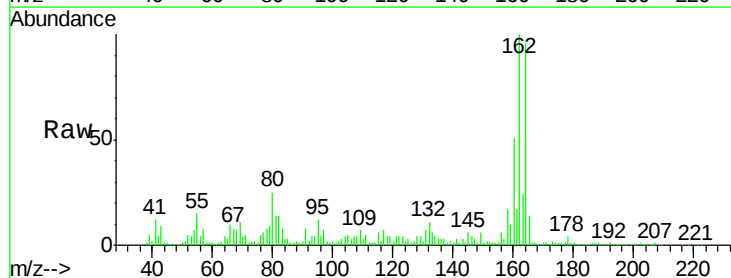


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

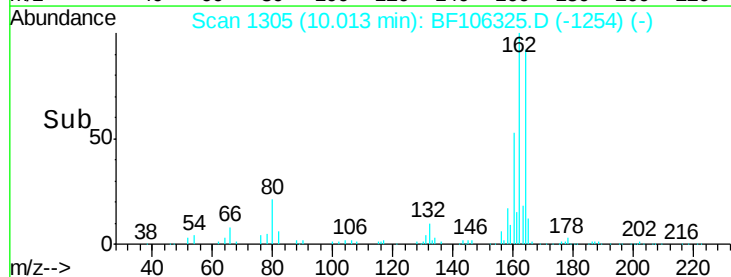
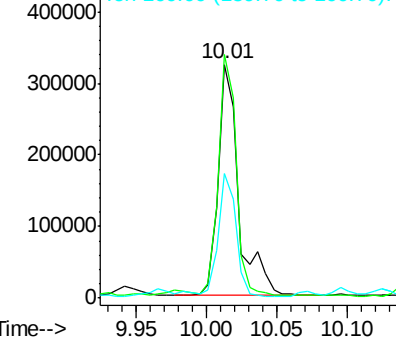


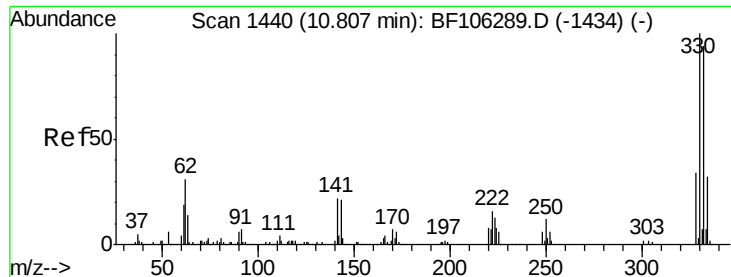
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.01 min Scan# 1305  
 Delta R.T. 0.00 min  
 Lab File: BF106325.D  
 Acq: 12 Jun 2018 5:57

Tgt Ion:164 Resp: 329688  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 86.1 129.1  
 160 53.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
 Ion 162.00 (161.70 to 162.70): BF1  
 Ion 160.00 (159.70 to 160.70): BF1

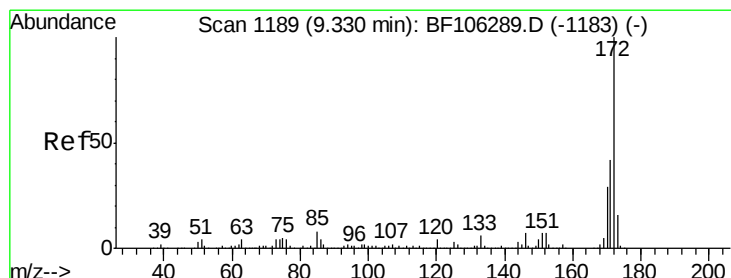
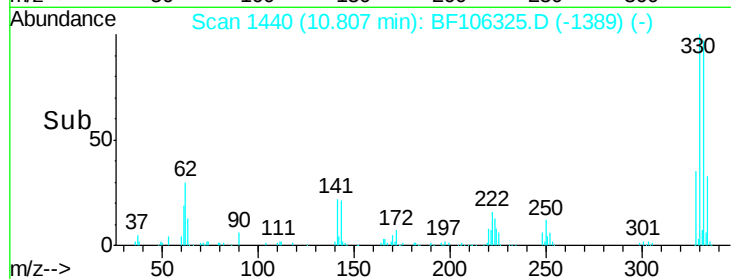
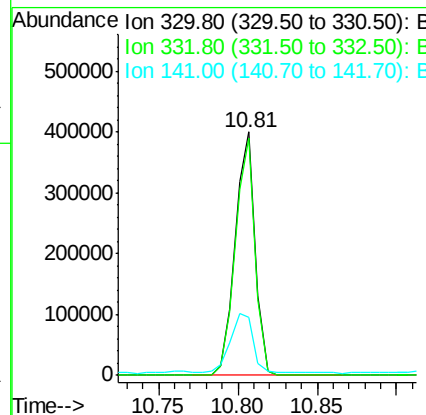
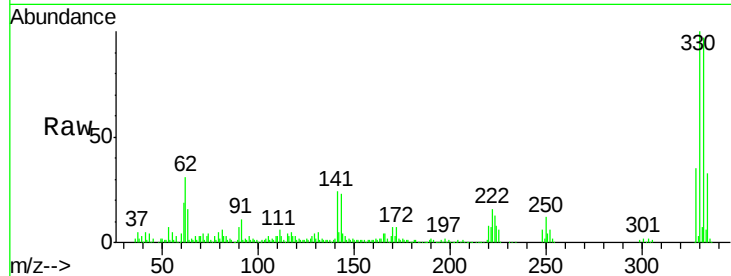




#41  
 2,4,6-Tribromophenol  
 Concen: 109.668 ng  
 RT: 10.81 min Scan# 1440  
 Delta R.T. 0.00 min  
 Lab File: BF106325.D  
 Acq: 12 Jun 2018 5:57

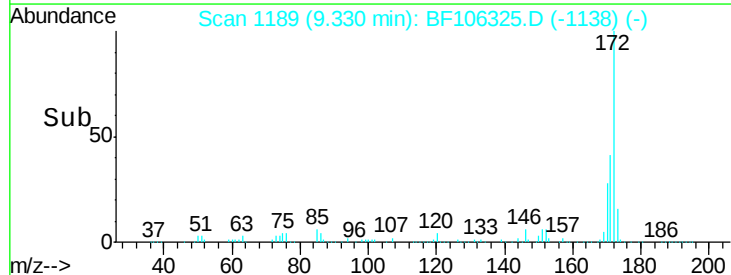
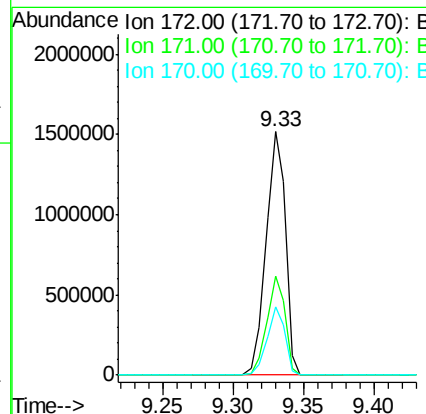
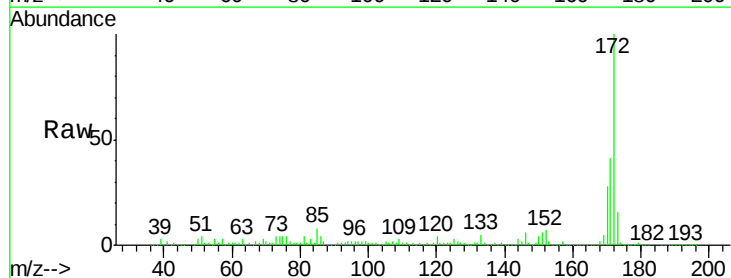
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-03

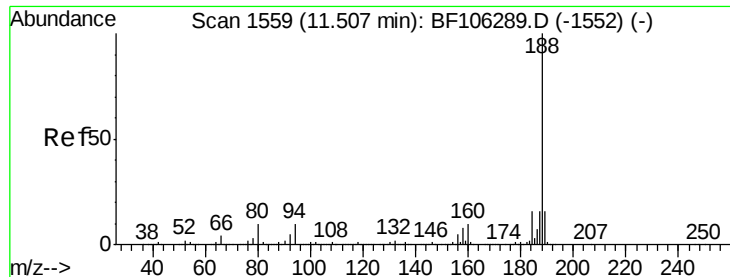
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.0  | 115.6 |
| 141     | 27.8  | 29.9  | 44.9# |



#44  
 2-Fluorobiphenyl  
 Concen: 77.296 ng  
 RT: 9.33 min Scan# 1189  
 Delta R.T. 0.00 min  
 Lab File: BF106325.D  
 Acq: 12 Jun 2018 5:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 40.7  | 29.7  | 44.5  |
| 170     | 27.9  | 19.6  | 29.4  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF106325.D

Acq: 12 Jun 2018 5:57

Instrument :

BNA\_F

ClientSampleId :

MW-03

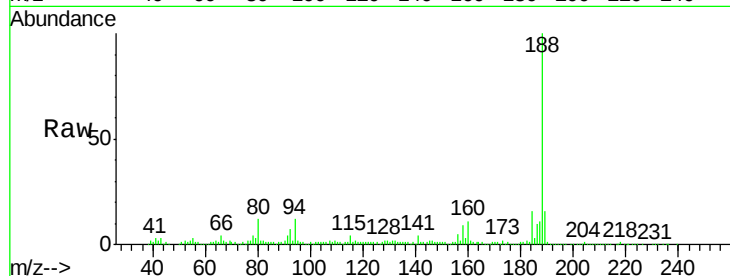
Tot Ion:188 Resp: 450210

Ion Ratio Lower Upper

188 100

94 11.6 8.5 12.7

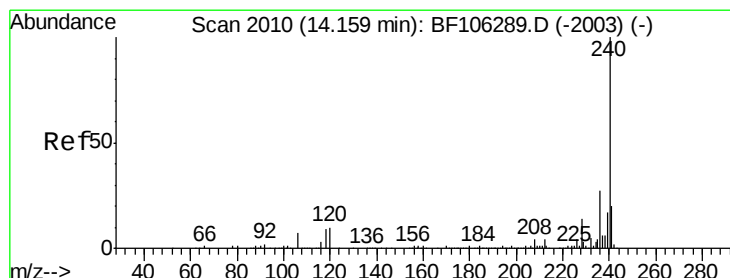
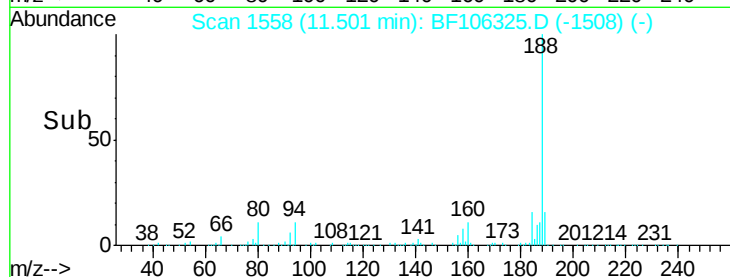
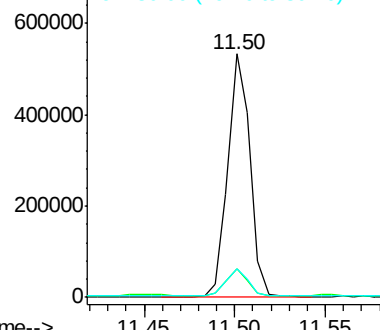
80 11.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106325.D

Acq: 12 Jun 2018 5:57

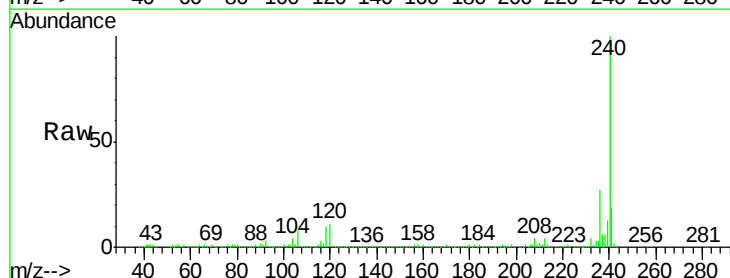
Tgt Ion:240 Resp: 484755

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

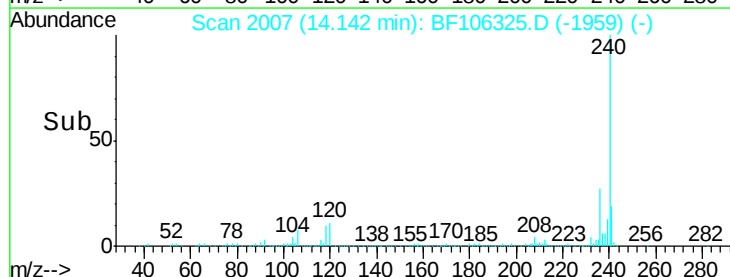
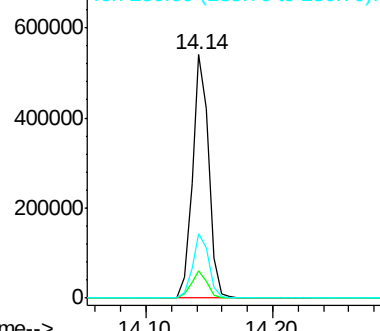
236 26.6 20.7 31.1

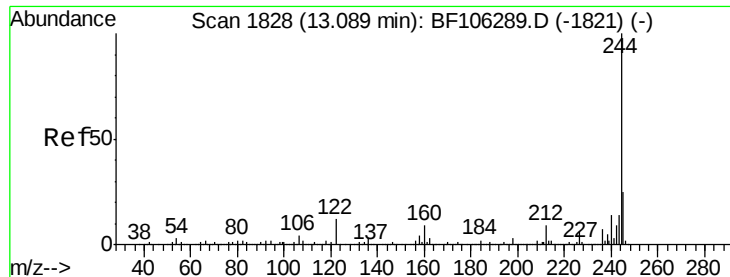


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 71.247 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106325.D

Acq: 12 Jun 2018 5:57

Instrument :

BNA\_F

ClientSampleId :

MW-03

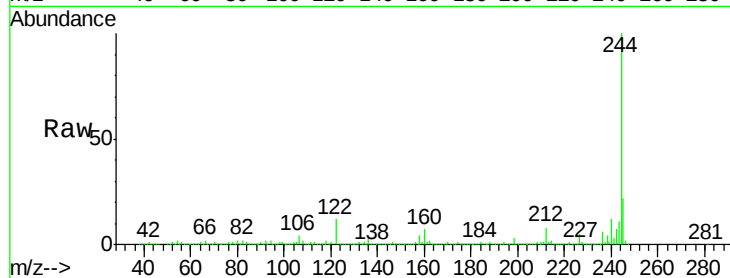
Tot Ion:244 Resp: 1390507

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

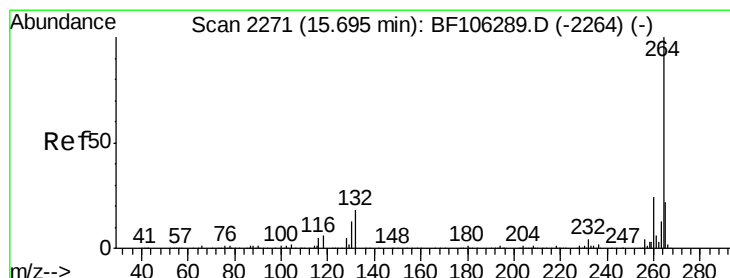
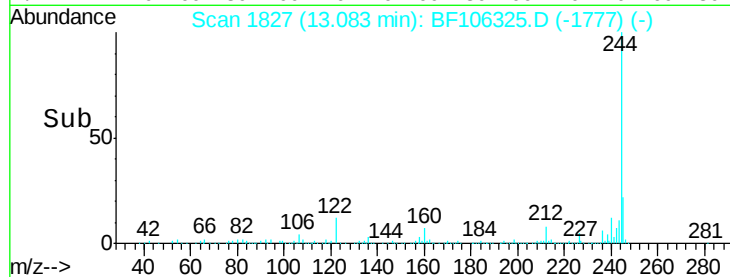
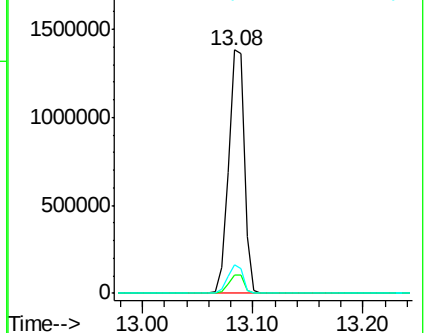
122 11.8 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF106325.D

Acq: 12 Jun 2018 5:57

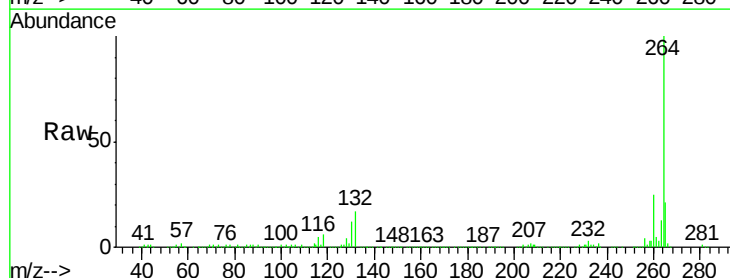
Tgt Ion:264 Resp: 378203

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

265 20.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

