

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091218\  
 Data File : BG036684.D  
 Acq On : 12 Sep 2018 22:19  
 Operator : JU/SJ  
 Sample : PB112784TB  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112784TB

Quant Time: Sep 13 01:50:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 58625    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.86 | 136  | 248177   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 166670   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 414655   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.68 | 240  | 417150   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.89 | 264  | 323713   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 467399   | 126.47 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 650205   | 122.88 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 399025   | 87.24  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 211312   | 106.25 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 958406   | 82.10  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.03 | 244  | 1583681  | 88.74  | ng    | 0.00     |

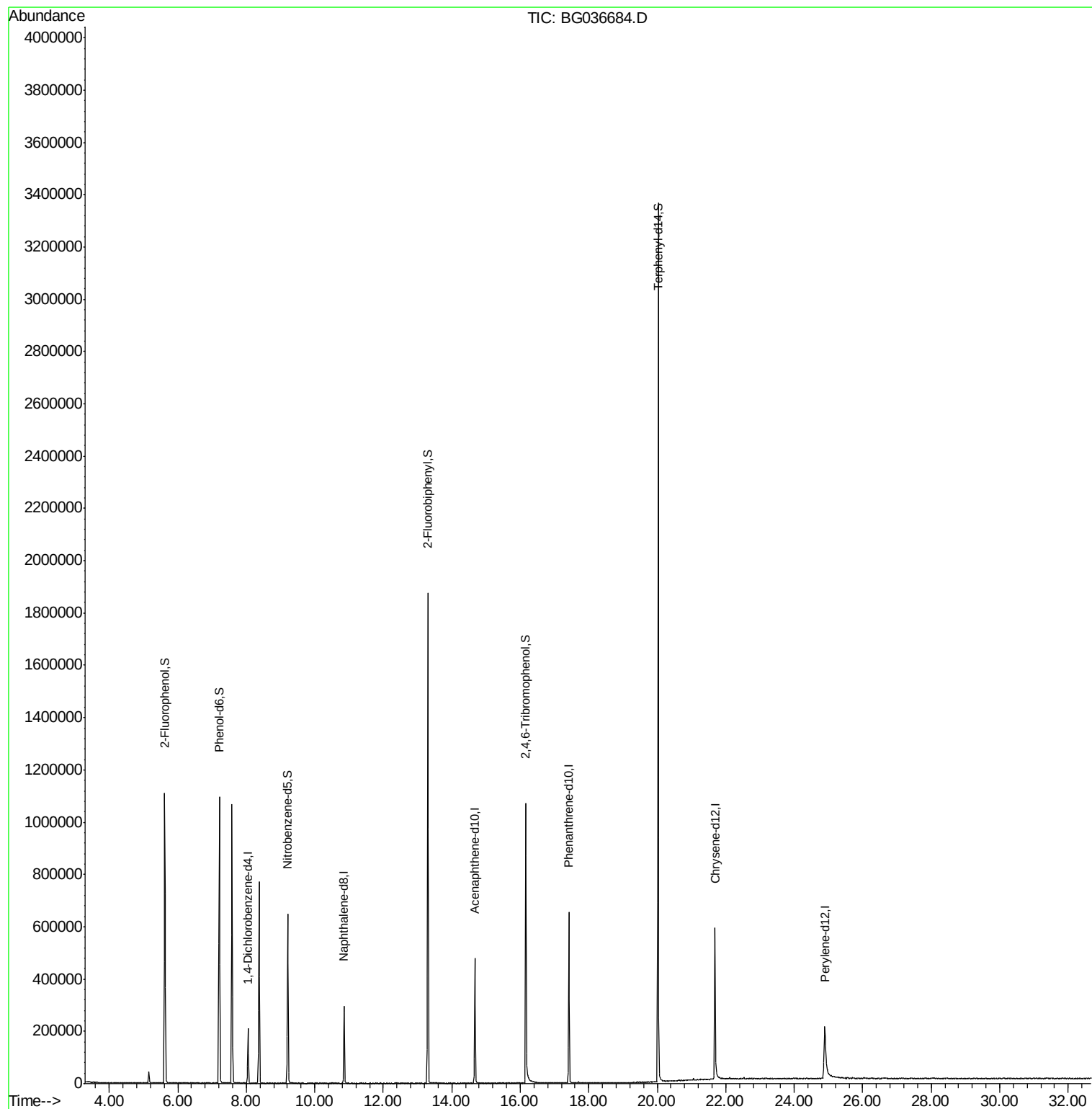
Target Compounds Qvalue

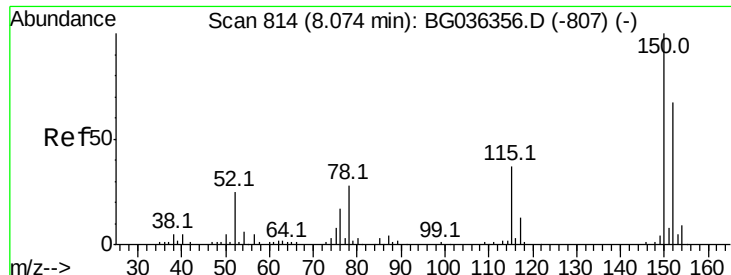
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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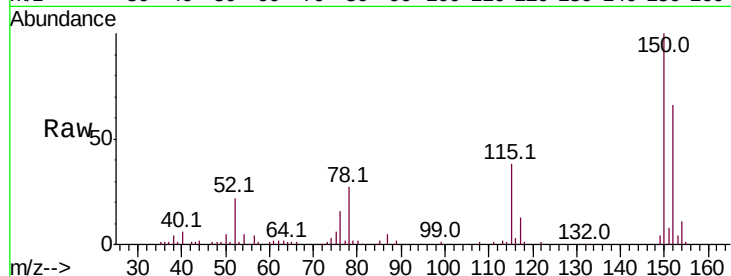


#1

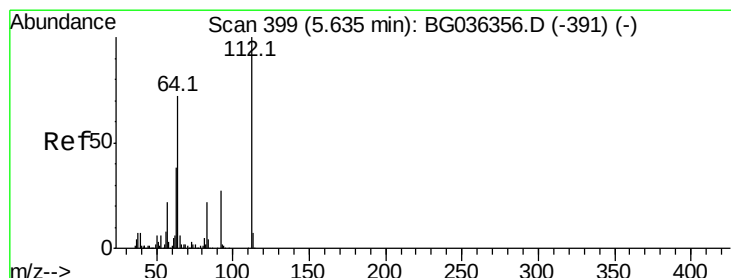
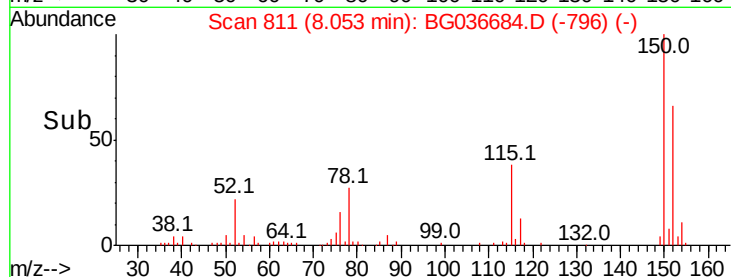
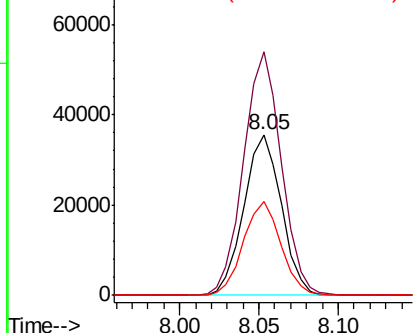
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.05 min Scan# 811  
 Delta R.T. -0.01 min  
 Lab File: BG036684.D  
 Acq: 12 Sep 2018 22:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112784TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.2 | 119.5 | 179.3 |
| 115     | 58.2  | 44.5  | 66.7  |



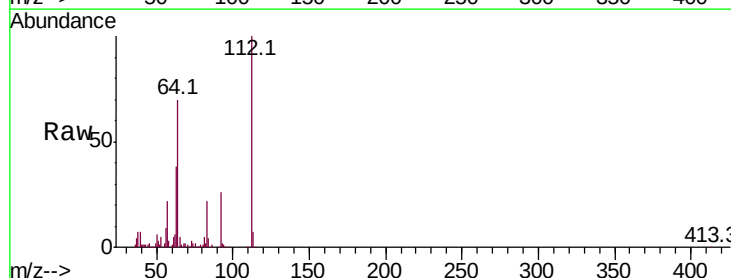
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



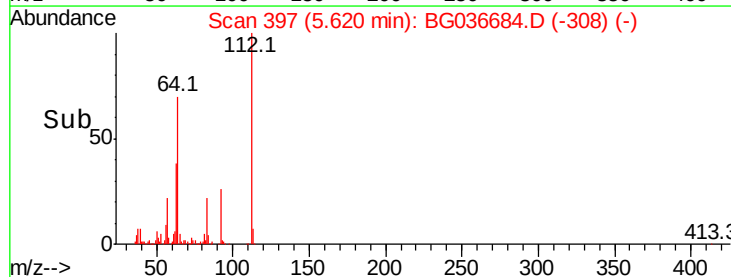
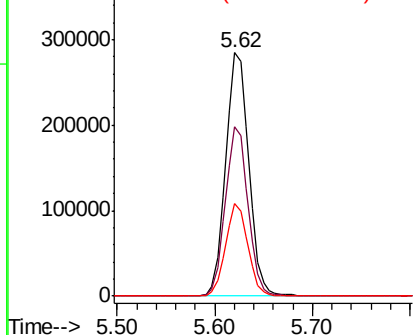
#5

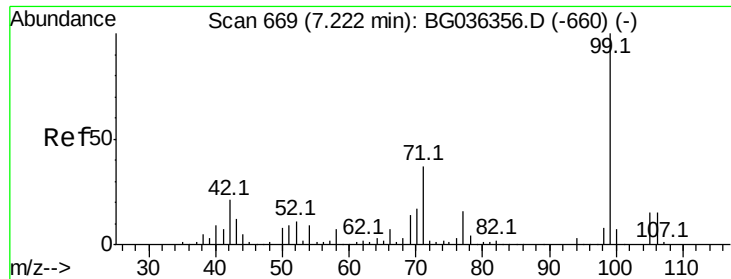
2-Fluorophenol  
 Concen: 126.470 ng  
 RT: 5.62 min Scan# 397  
 Delta R.T. -0.00 min  
 Lab File: BG036684.D  
 Acq: 12 Sep 2018 22:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.7  | 57.2  | 85.8  |
| 63      | 38.1  | 30.8  | 46.2  |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BG  
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 122.881 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036684.D

Acq: 12 Sep 2018 22:19

Instrument :

BNA\_G

ClientSampleId :

PB112784TB

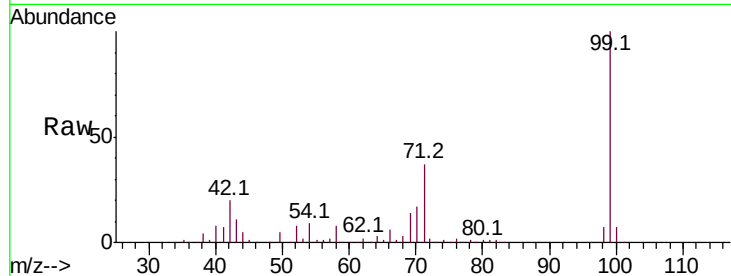
Tot Ion: 99 Resp: 650205

Ion Ratio Lower Upper

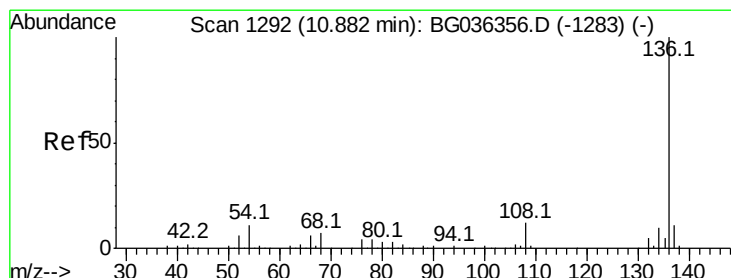
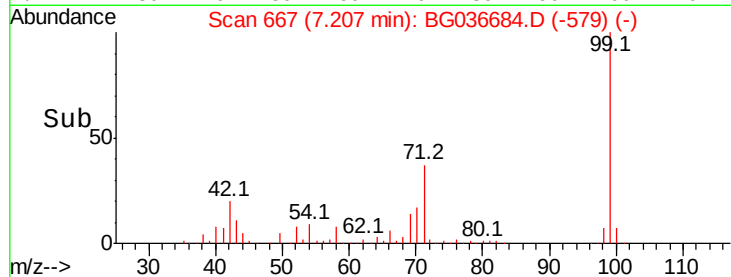
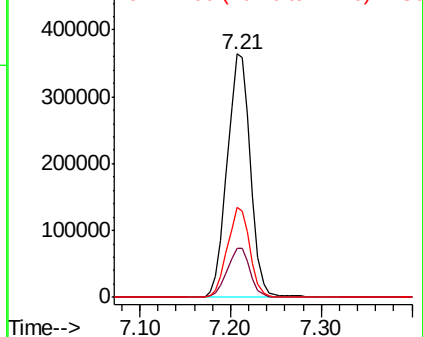
99 100

42 20.1 16.5 24.7

71 36.8 29.4 44.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BG036684.D

Acq: 12 Sep 2018 22:19

Tgt Ion: 136 Resp: 248177

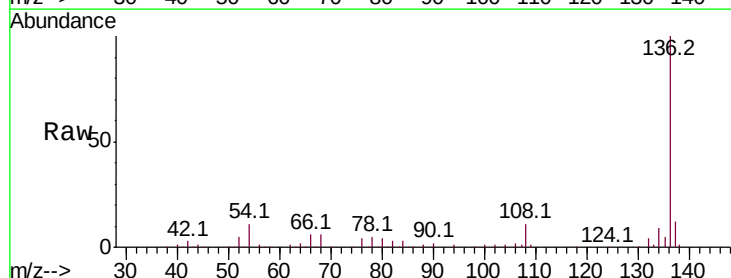
Ion Ratio Lower Upper

136 100

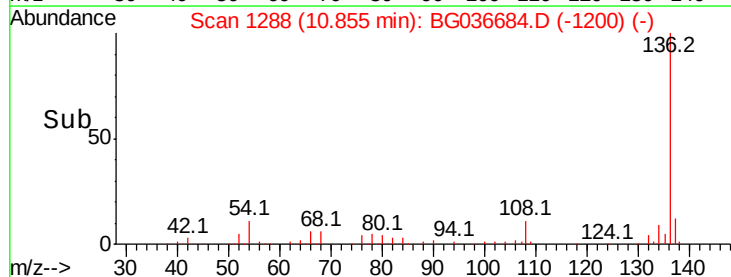
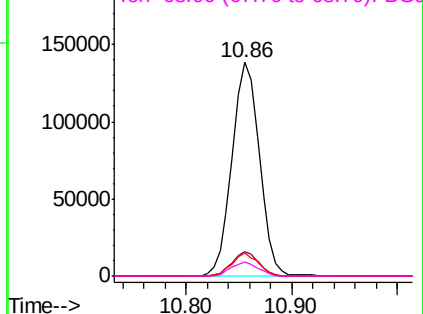
137 11.7 8.8 13.2

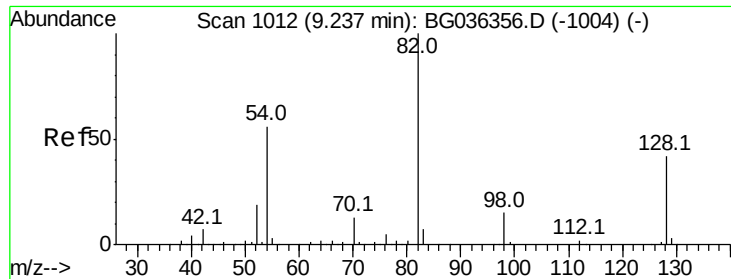
54 11.1 9.2 13.8

68 6.4 5.8 8.6



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

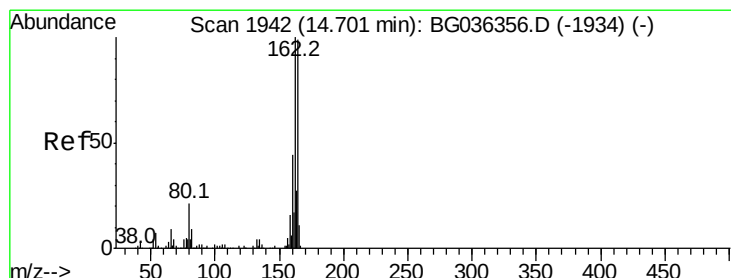
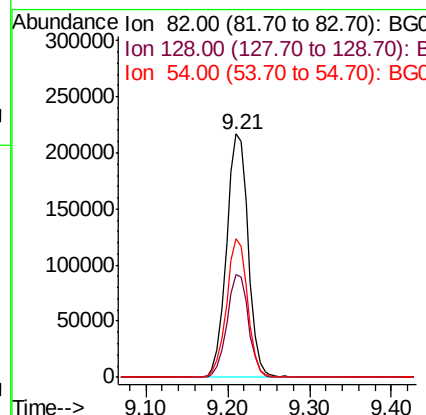
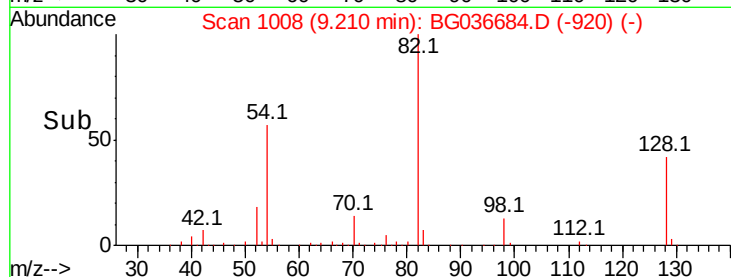
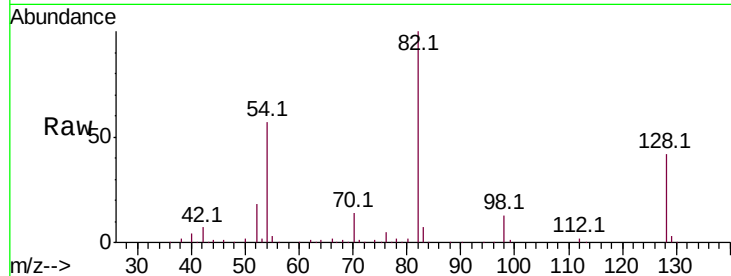




#23  
 Nitrobenzene-d5  
 Concen: 87.235 ng  
 RT: 9.21 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: BG036684.D  
 Acq: 12 Sep 2018 22:19

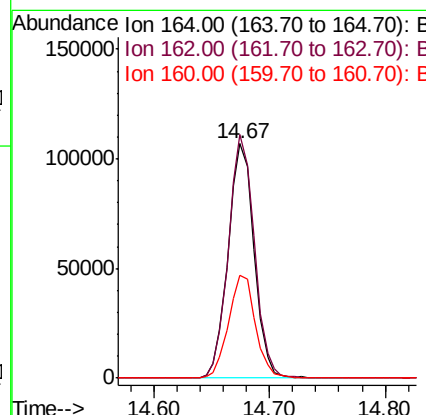
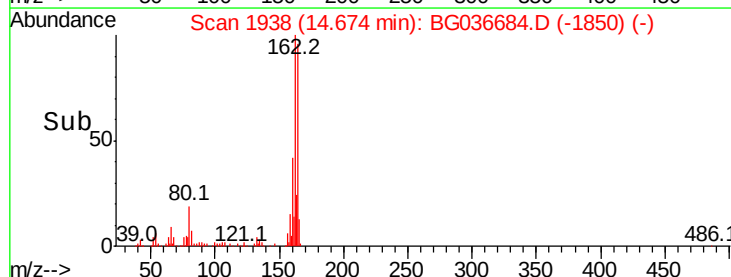
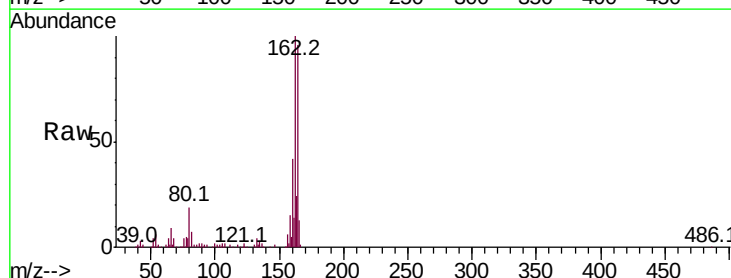
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112784TB

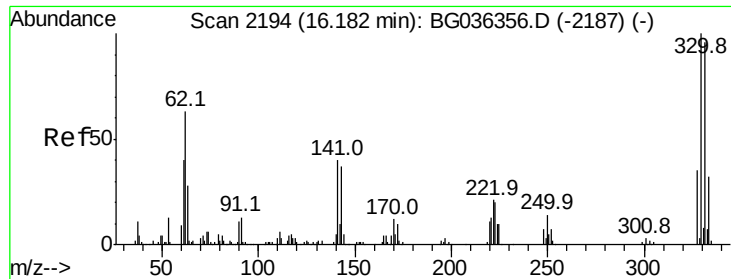
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.3  | 33.3  | 49.9  |
| 54      | 57.0  | 45.1  | 67.7  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1938  
 Delta R.T. -0.01 min  
 Lab File: BG036684.D  
 Acq: 12 Sep 2018 22:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.8 | 80.7  | 121.1 |
| 160     | 44.1  | 35.3  | 52.9  |

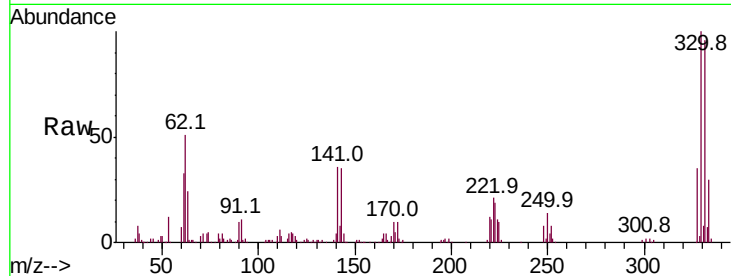




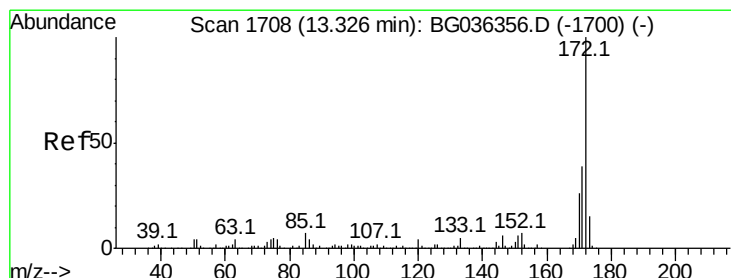
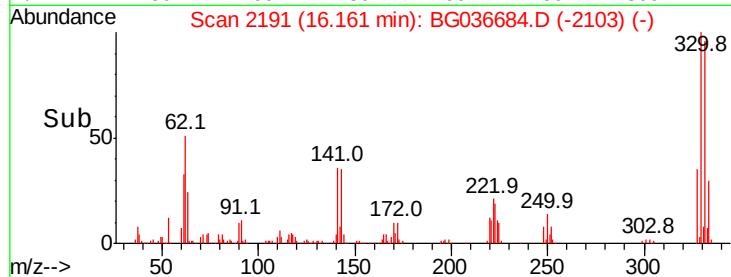
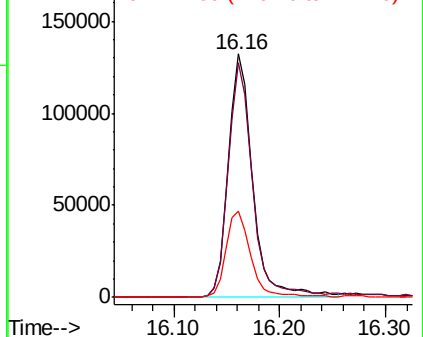
#41  
 2,4,6-Tribromophenol  
 Concen: 106.254 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036684.D  
 Acq: 12 Sep 2018 22:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112784TB

Tot Ion:330 Resp: 211312  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 75.4 113.2  
 141 36.5 30.7 46.1

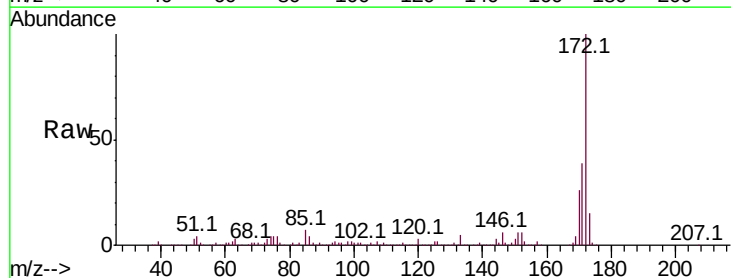


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

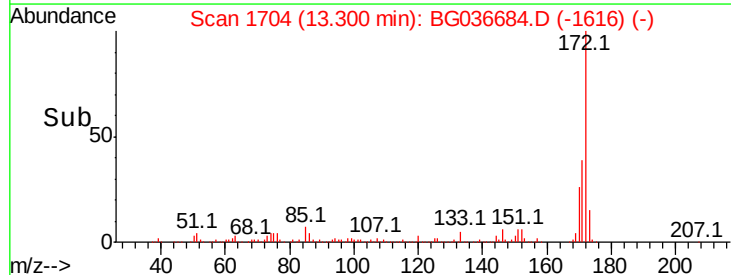
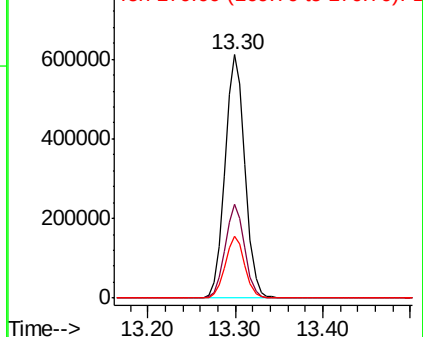


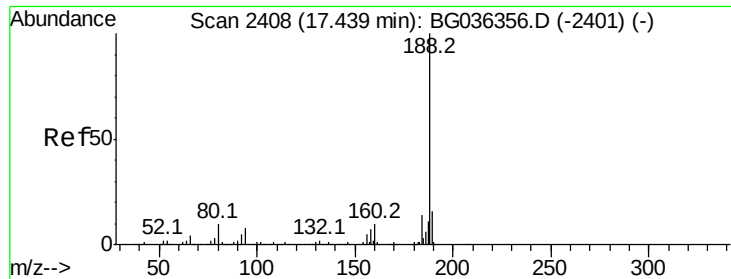
#44  
 2-Fluorobiphenyl  
 Concen: 82.104 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG036684.D  
 Acq: 12 Sep 2018 22:19

Tgt Ion:172 Resp: 958406  
 Ion Ratio Lower Upper  
 172 100  
 171 38.6 31.3 46.9  
 170 25.6 21.0 31.6



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: 17.42 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG036684.D

Acq: 12 Sep 2018 22:19

Instrument :

BNA\_G

ClientSampleId :

PB112784TB

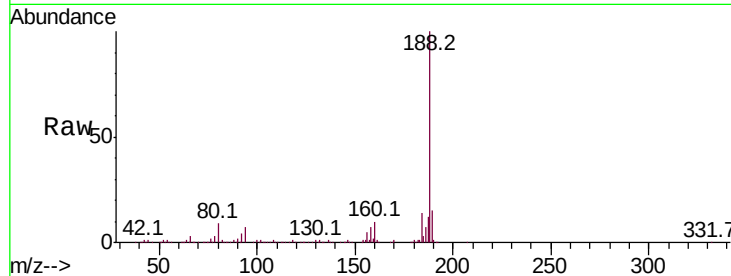
Tot Ion:188 Resp: 414655

Ion Ratio Lower Upper

188 100

94 7.4 6.7 10.1

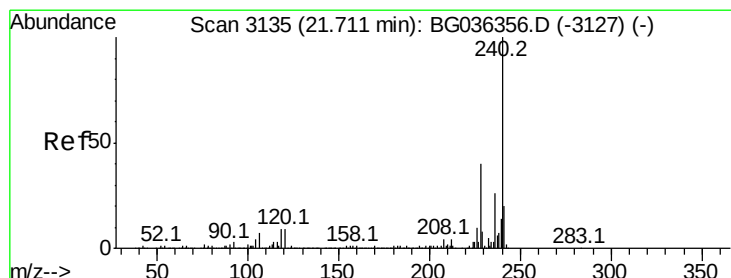
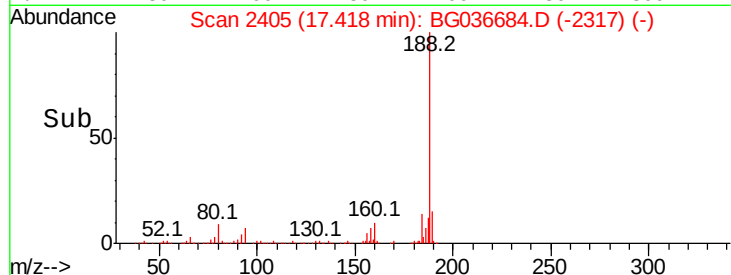
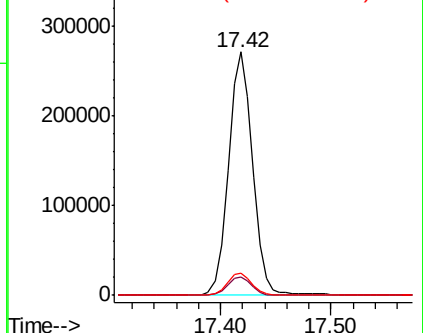
80 9.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036684.D

Acq: 12 Sep 2018 22:19

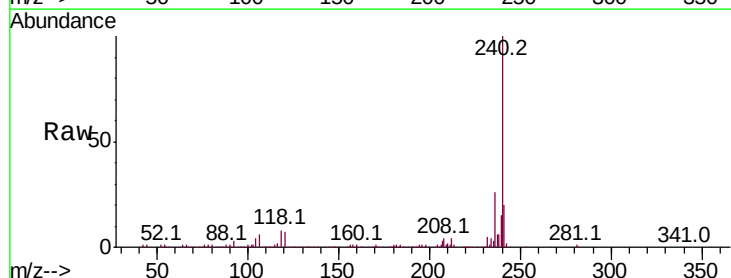
Tgt Ion:240 Resp: 417150

Ion Ratio Lower Upper

240 100

120 7.4 6.9 10.3

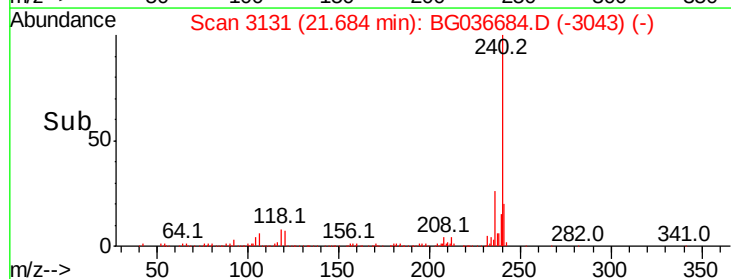
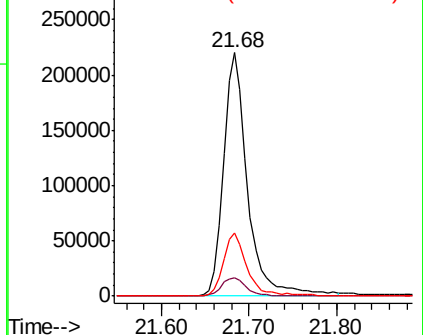
236 26.2 21.2 31.8

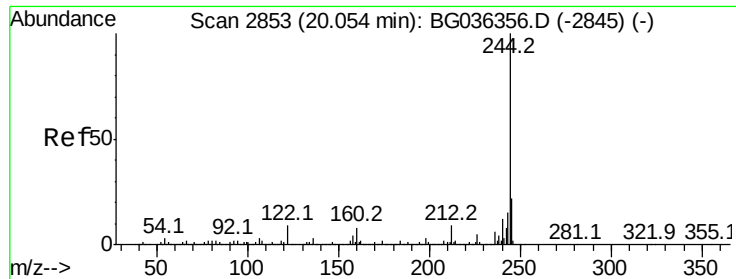


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 88.736 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036684.D

Acq: 12 Sep 2018 22:19

Instrument :

BNA\_G

ClientSampled :

PB112784TB

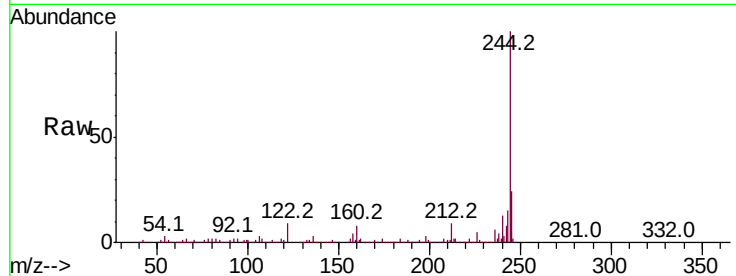
Tot Ion:244 Resp: 1583681

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

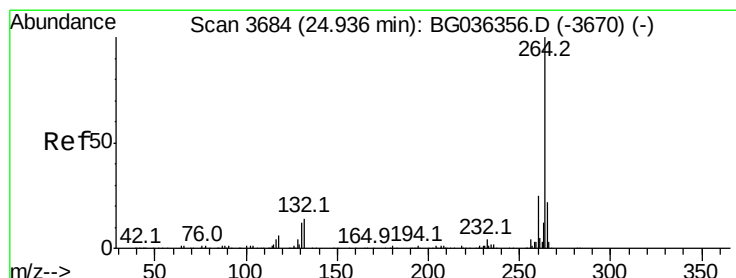
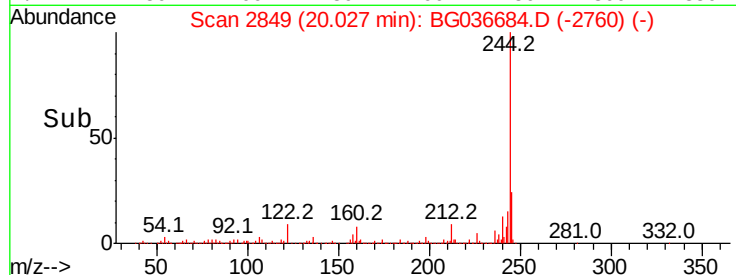
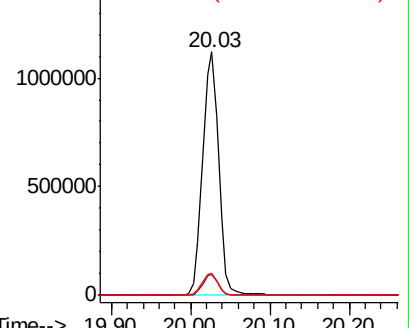
122 9.0 7.1 10.7



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: 24.89 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG036684.D

Acq: 12 Sep 2018 22:19

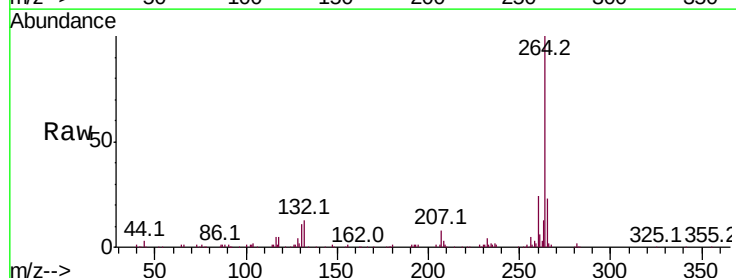
Tgt Ion:264 Resp: 323713

Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

265 22.5 17.4 26.0



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

