

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091418\  
 Data File : BG036719.D  
 Acq On : 14 Sep 2018 23:56  
 Operator : JU/SJ  
 Sample : J4892-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-MW-10-091118

Quant Time: Sep 15 02:54:20 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

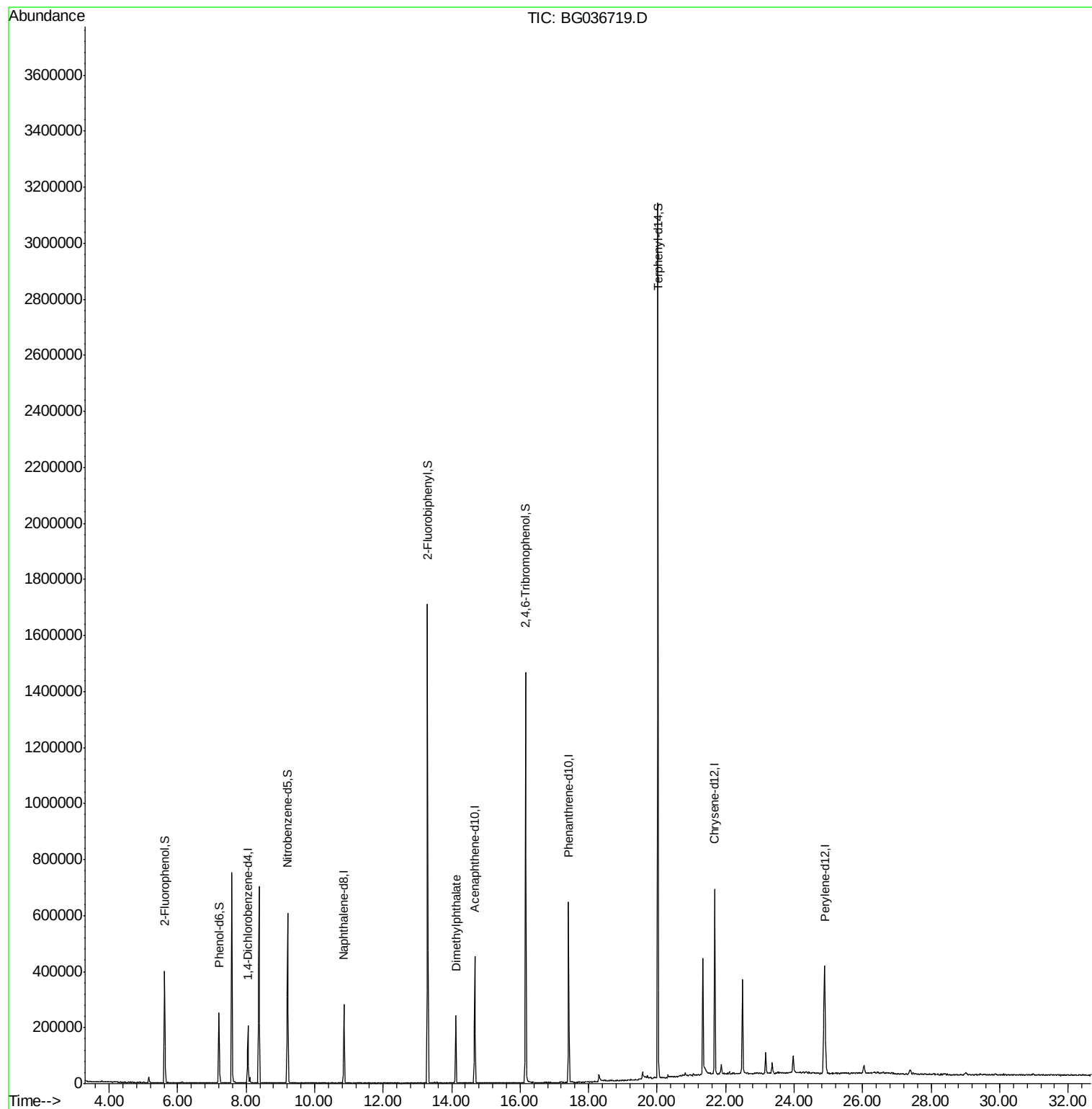
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 56254    | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 10.85 | 136  | 235542   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 14.67 | 164  | 164270   | 20.00  | ng    | -0.01        |
| 63) Phenanthrene-d10        | 17.42 | 188  | 413581   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 21.68 | 240  | 397357   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 24.88 | 264  | 412902   | 20.00  | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.62  | 112  | 171030   | 48.23  | ng    | 0.00         |
| 7) Phenol-d6                | 7.20  | 99   | 145543   | 28.67  | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 368916   | 84.98  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 274339   | 139.96 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 892406   | 77.57  | ng    | -0.01        |
| 78) Terphenyl-d14           | 20.02 | 244  | 1435366  | 84.43  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.12 | 163  | 166227   | 12.392 | ng    | Qvalue<br>99 |

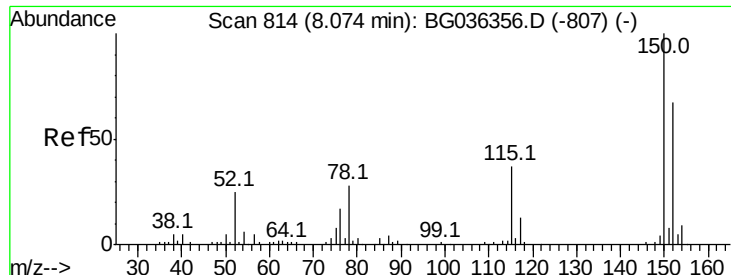
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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C-MW-10-091118

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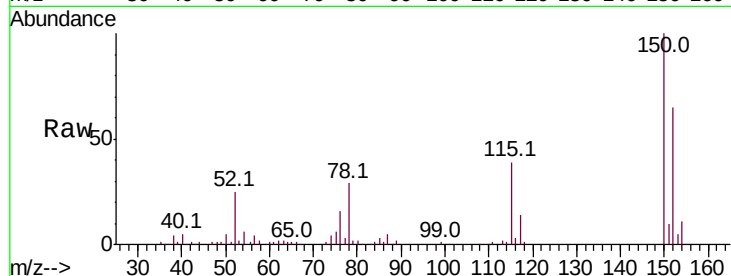


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.05 min Scan# 810  
 Delta R.T. -0.01 min  
 Lab File: BG036719.D  
 Acq: 14 Sep 2018 23:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-MW-10-091118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.6 | 119.5 | 179.3 |
| 115     | 59.3  | 44.5  | 66.7  |

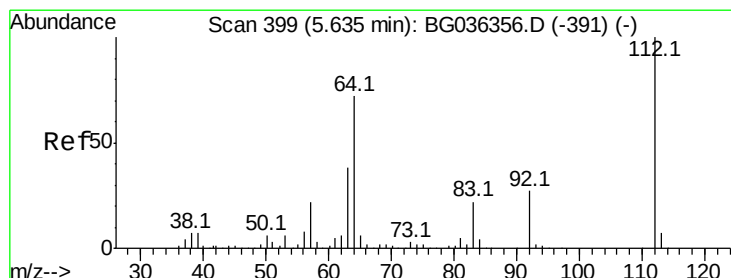
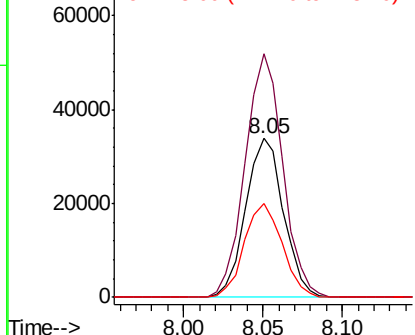
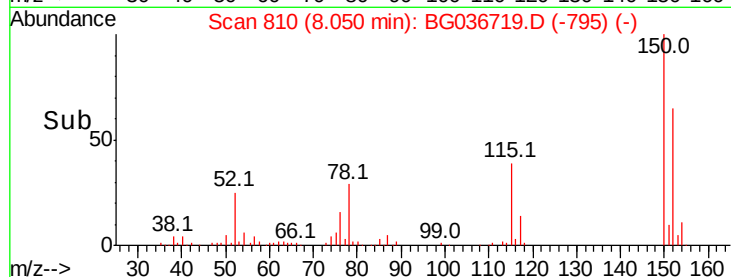


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

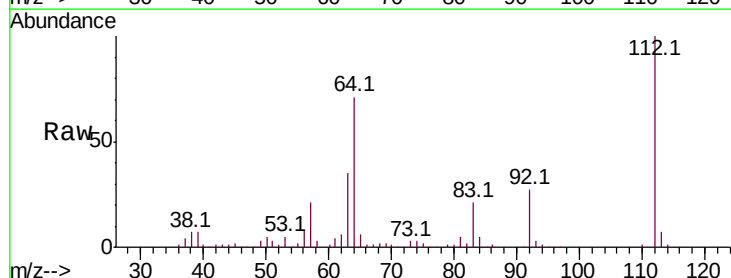
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 48.228 ng  
 RT: 5.62 min Scan# 396  
 Delta R.T. -0.01 min  
 Lab File: BG036719.D  
 Acq: 14 Sep 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.7  | 57.2  | 85.8  |
| 63      | 35.1  | 30.8  | 46.2  |

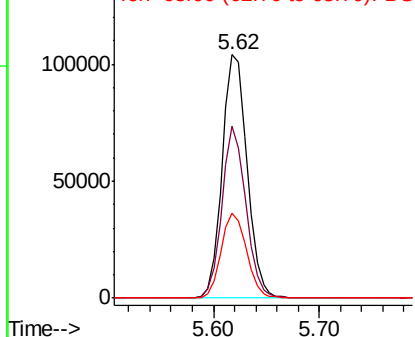
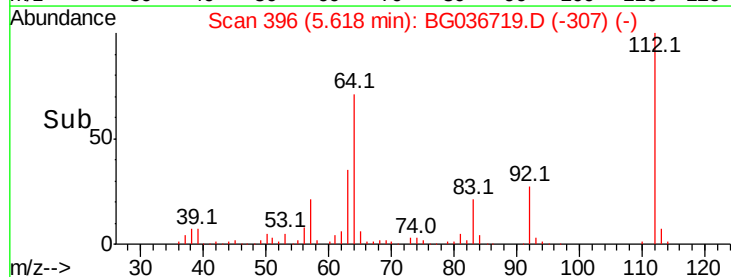


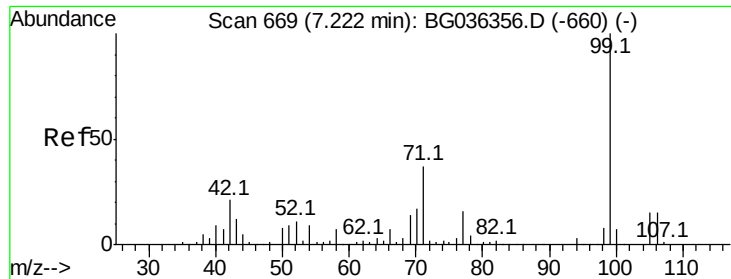
Abundance

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: 28.665 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036719.D

Acq: 14 Sep 2018 23:56

Instrument :

BNA\_G

ClientSampleId :

C-MW-10-091118

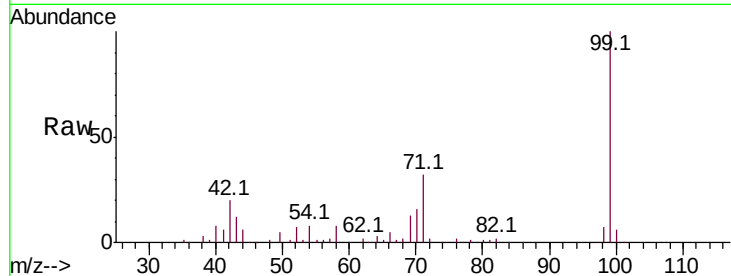
Tot Ion: 99 Resp: 145543

Ion Ratio Lower Upper

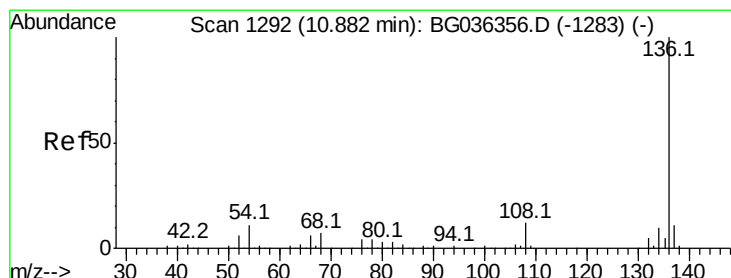
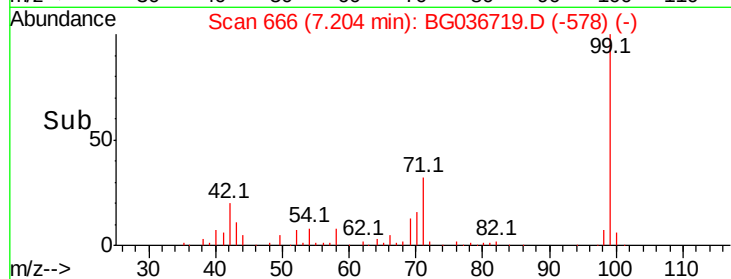
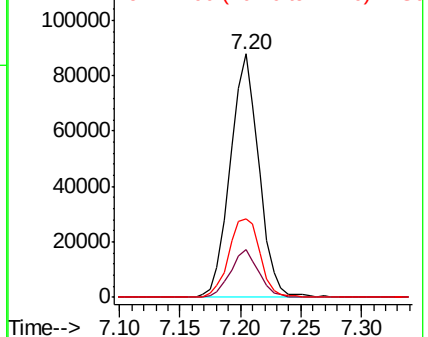
99 100

42 19.6 16.5 24.7

71 32.2 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: 10.85 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BG036719.D

Acq: 14 Sep 2018 23:56

Tgt Ion: 136 Resp: 235542

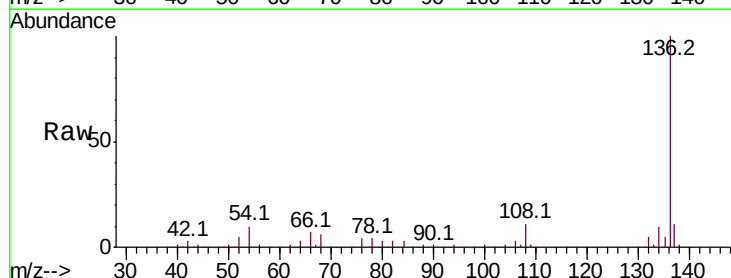
Ion Ratio Lower Upper

136 100

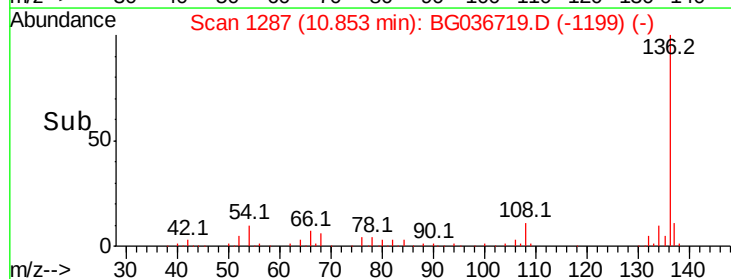
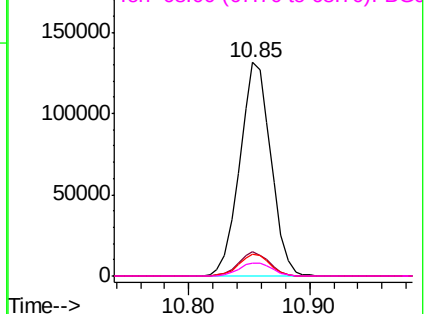
137 11.4 8.8 13.2

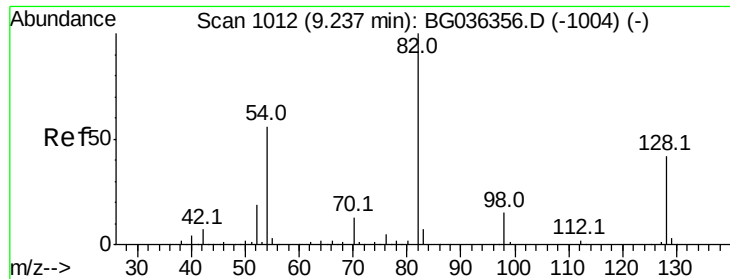
54 10.5 9.2 13.8

68 6.2 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

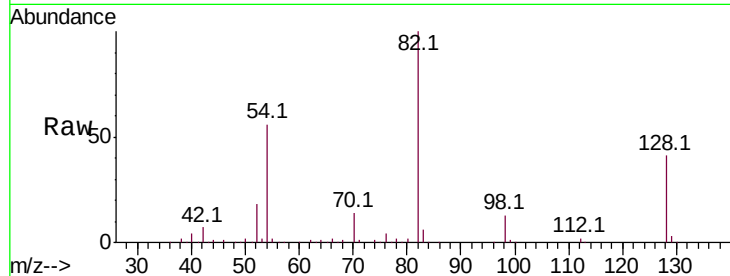




#23  
Nitrobenzene-d5  
Concen: 84.979 ng  
RT: 9.21 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BG036719.D  
Acq: 14 Sep 2018 23:56

Instrument :  
BNA\_G  
ClientSampleId :  
C-MW-10-091118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.2  | 33.3  | 49.9  |
| 54      | 55.9  | 45.1  | 67.7  |

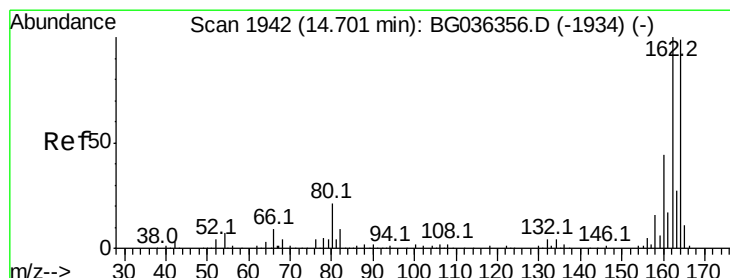
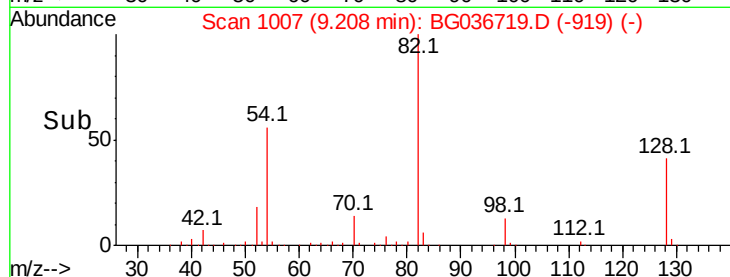
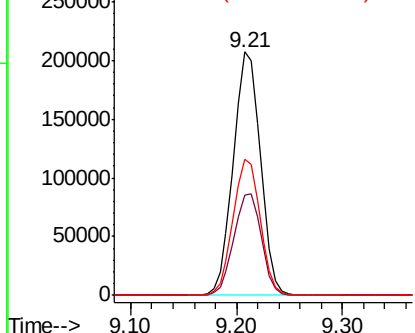


Abundance

Ion 82.00 (81.70 to 82.70): BGC

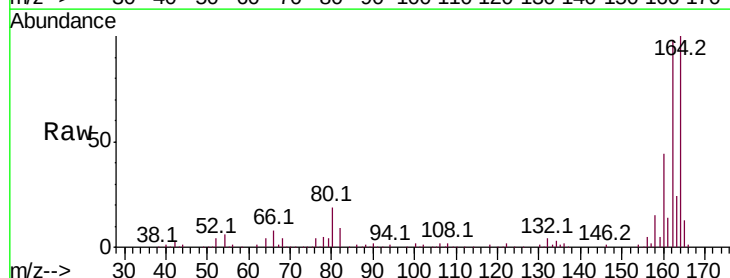
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1937  
Delta R.T. -0.01 min  
Lab File: BG036719.D  
Acq: 14 Sep 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.3  | 80.7  | 121.1 |
| 160     | 44.1  | 35.3  | 52.9  |

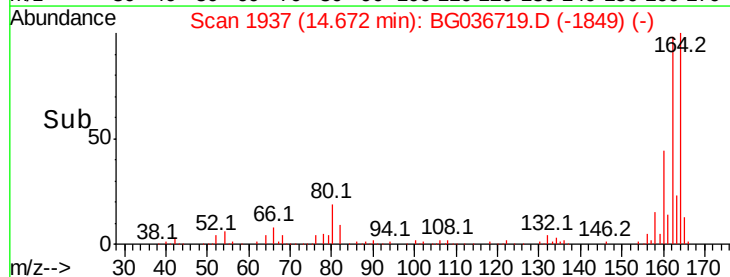
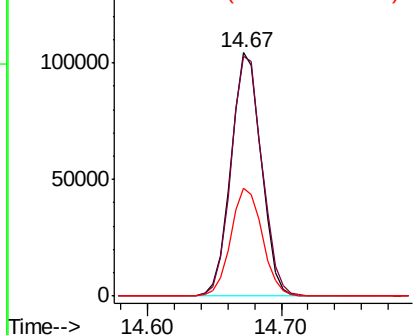


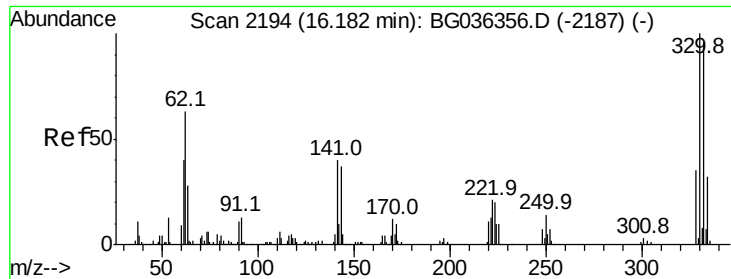
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

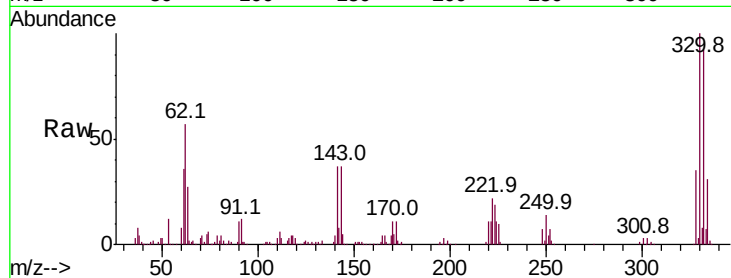




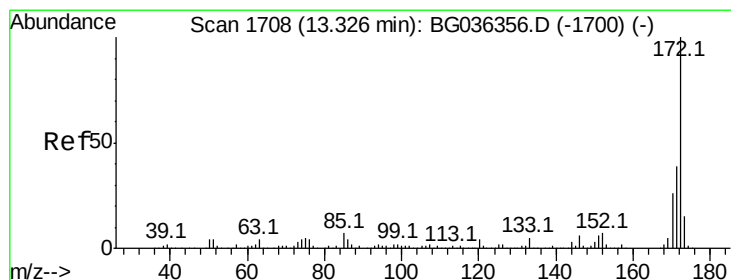
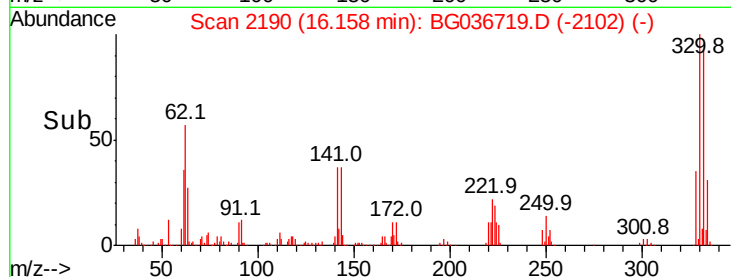
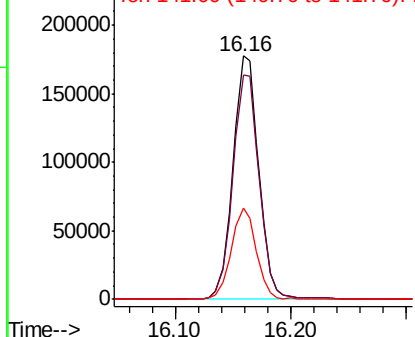
#41  
 2,4,6-Tribromophenol  
 Concen: 139.961 ng  
 RT: 16.16 min Scan# 2190  
 Delta R.T. -0.01 min  
 Lab File: BG036719.D  
 Acq: 14 Sep 2018 23:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-MW-10-091118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.4  | 75.4  | 113.2 |
| 141     | 36.3  | 30.7  | 46.1  |

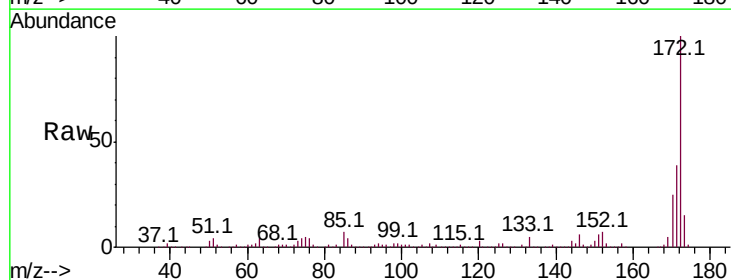


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

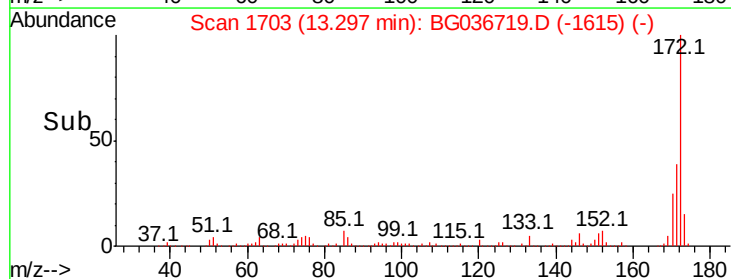
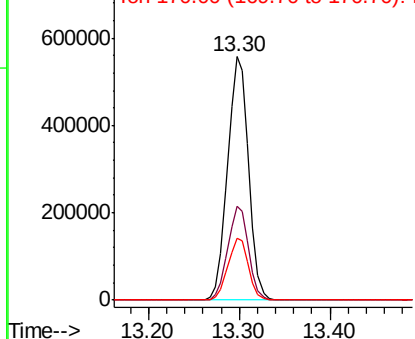


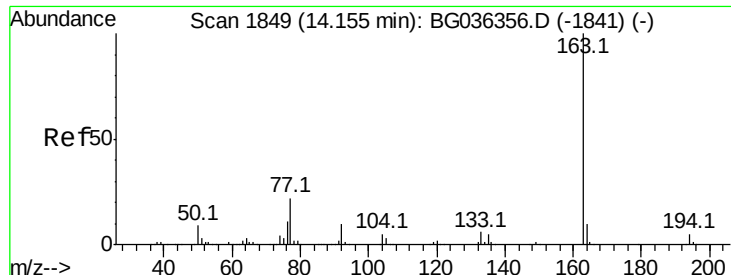
#44  
 2-Fluorobiphenyl  
 Concen: 77.567 ng  
 RT: 13.30 min Scan# 1703  
 Delta R.T. -0.01 min  
 Lab File: BG036719.D  
 Acq: 14 Sep 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.7  | 31.3  | 46.9  |
| 170     | 25.3  | 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





#49

Dimethylphthalate

Concen: 12.392 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BG036719.D

Acq: 14 Sep 2018 23:56

Instrument :

BNA\_G

ClientSampleId :

C-MW-10-091118

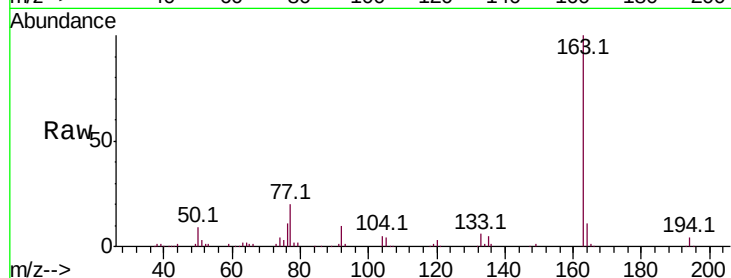
Tot Ion:163 Resp: 166227

Ion Ratio Lower Upper

163 100

194 4.5 4.0 6.0

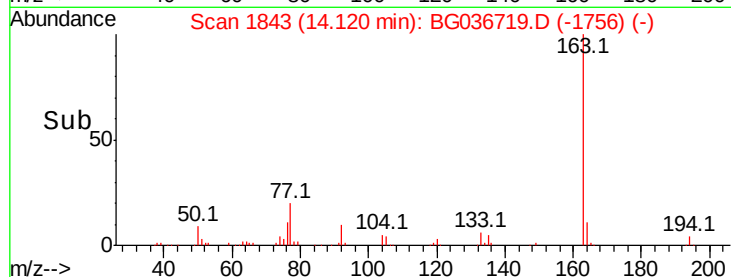
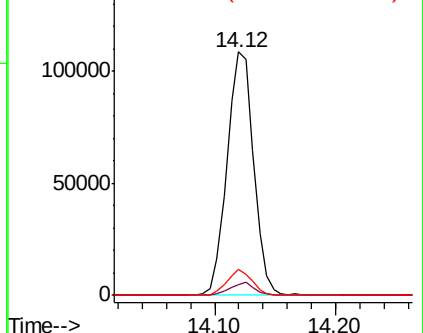
164 10.6 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BG036719.D

Acq: 14 Sep 2018 23:56

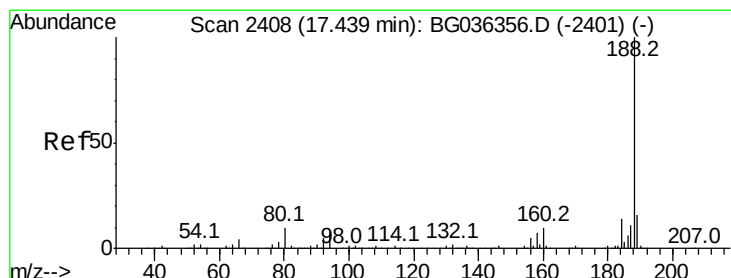
Tgt Ion:188 Resp: 413581

Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

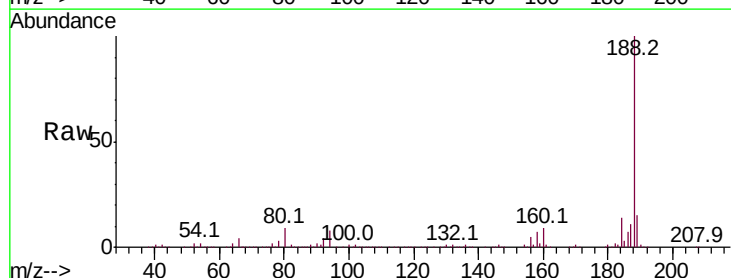
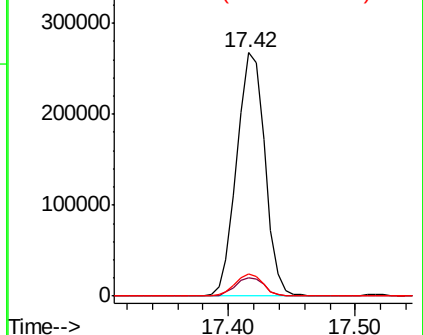
80 9.3 8.1 12.1

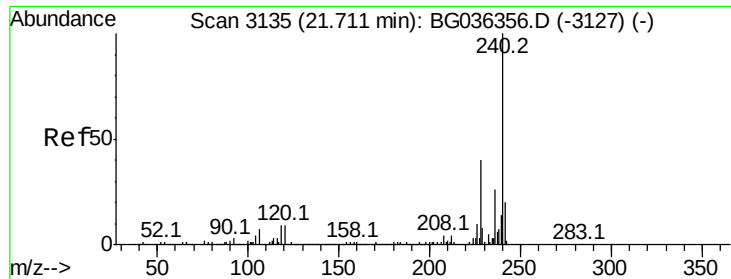


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG036719.D

Acq: 14 Sep 2018 23:56

Instrument :

BNA\_G

ClientSampleId :

C-MW-10-091118

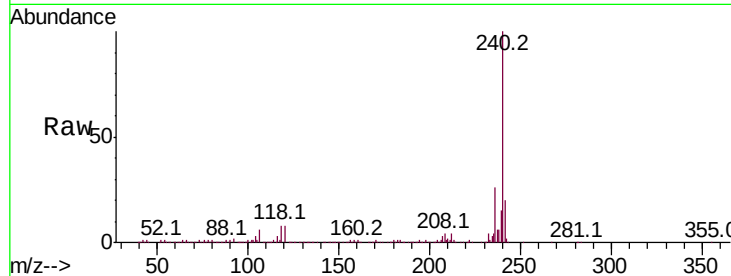
Tot Ion:240 Resp: 397357

Ion Ratio Lower Upper

240 100

120 7.6 6.9 10.3

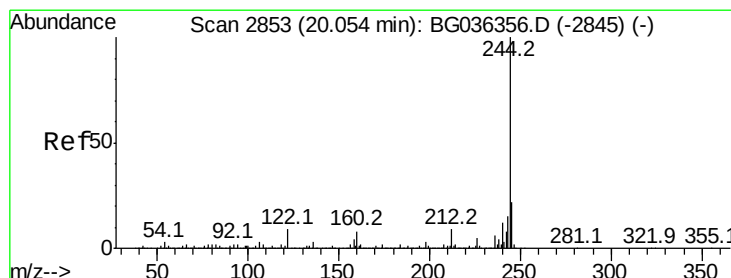
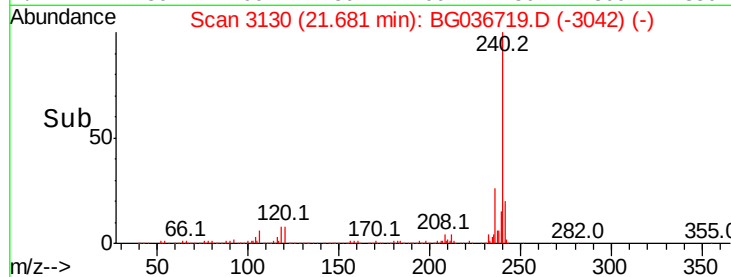
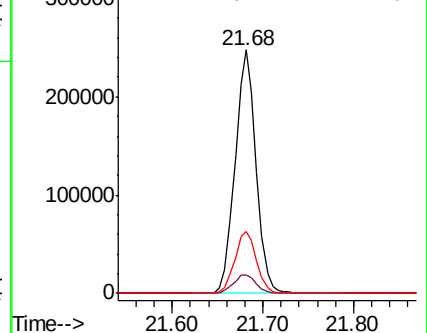
236 25.7 21.2 31.8



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: 84.431 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036719.D

Acq: 14 Sep 2018 23:56

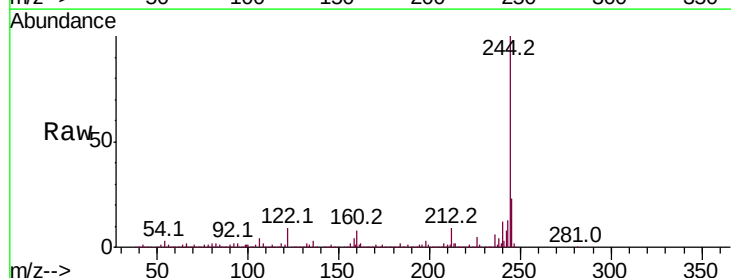
Tgt Ion:244 Resp: 1435366

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

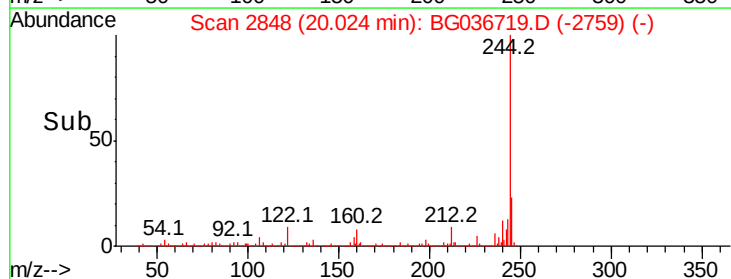
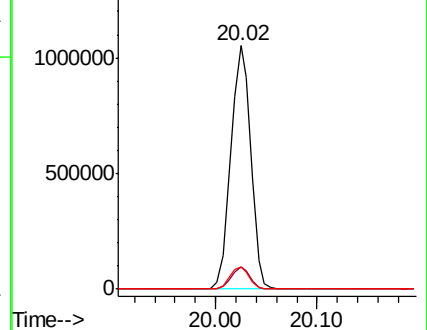
122 9.0 7.1 10.7



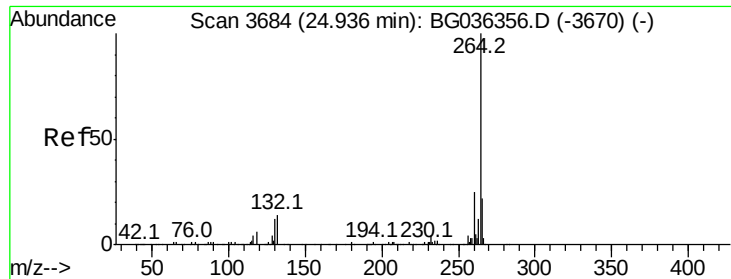
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



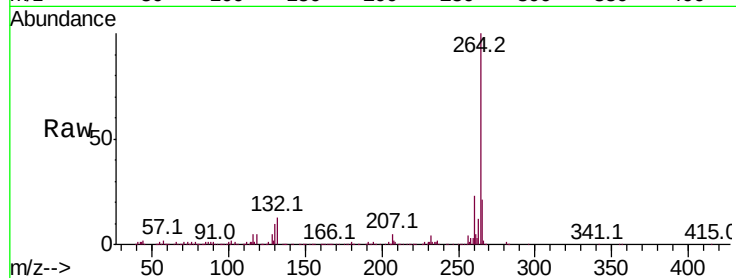




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.88 min Scan# 3675  
Delta R.T. -0.02 min  
Lab File: BG036719.D  
Acq: 14 Sep 2018 23:56

Instrument :  
BNA\_G  
ClientSampleId :  
C-MW-10-091118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.6  | 29.4  |
| 265     | 21.2  | 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

