

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091718\  
 Data File : BG036769.D  
 Acq On : 18 Sep 2018 2:05  
 Operator : JU/SJ  
 Sample : J4892-08DL 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-MW-01-091218DL

Quant Time: Sep 18 07:24:31 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

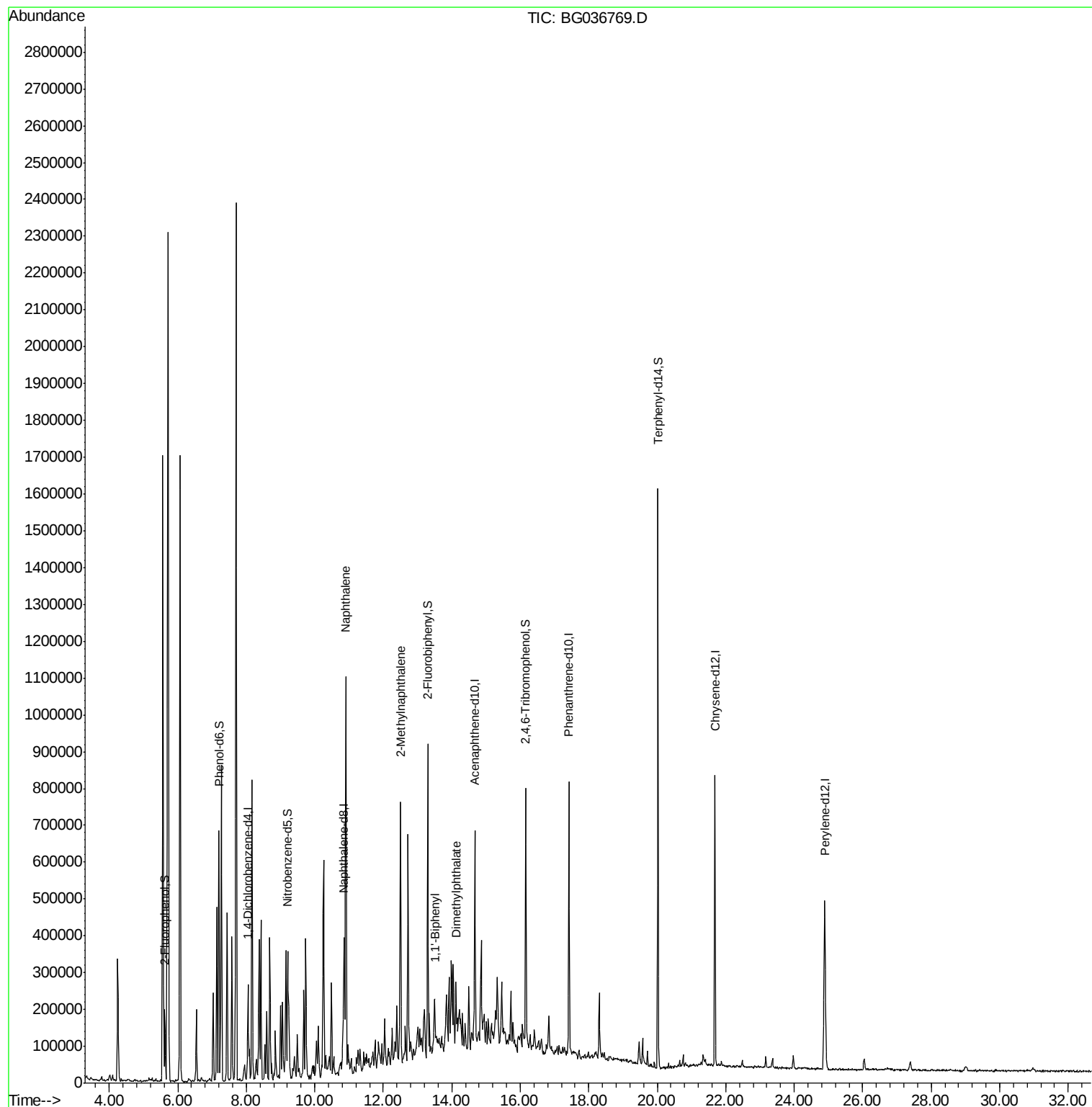
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 72151    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.86 | 136  | 291355   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 184620   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 444876   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.68 | 240  | 490600   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.89 | 264  | 499156   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 82537    | 18.15  | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 72426    | 11.12  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 198254   | 36.92  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 129560   | 58.81  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 443592   | 34.31  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.02 | 244  | 753039   | 35.88  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 10.91 | 128  | 813176   | 55.833 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 12.51 | 142  | 329219   | 30.893 | ng    | 99       |
| 45) 1,1'-Biphenyl           | 13.51 | 154  | 37825    | 2.468  | ng    | 92       |
| 49) Dimethylphthalate       | 14.12 | 163  | 103926   | 6.894  | ng    | # 95     |

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

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Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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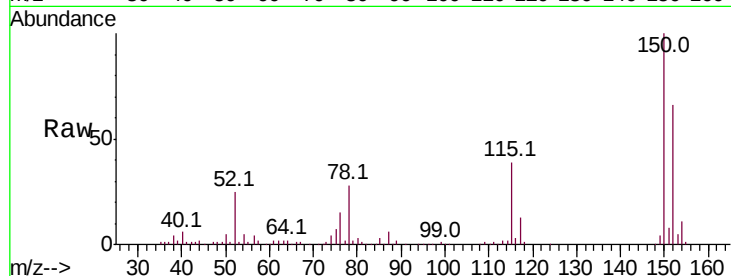


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.05 min Scan# 811  
 Delta R.T. -0.01 min  
 Lab File: BG036769.D  
 Acq: 18 Sep 2018 2:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-MW-01-091218DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.7 | 119.5 | 179.3 |
| 115     | 58.9  | 44.5  | 66.7  |

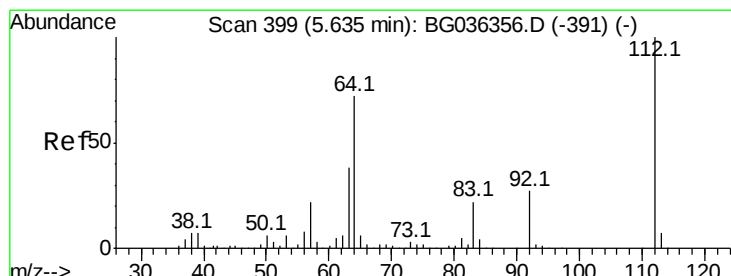
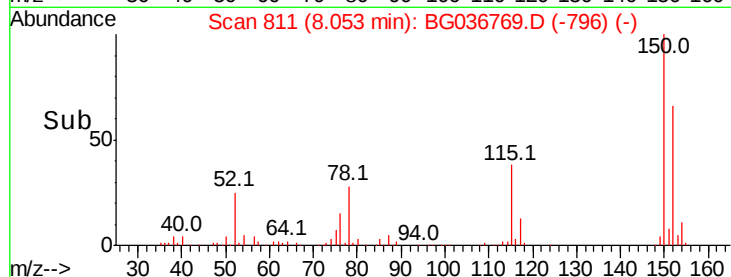
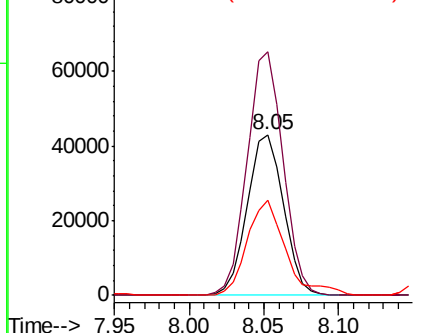


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

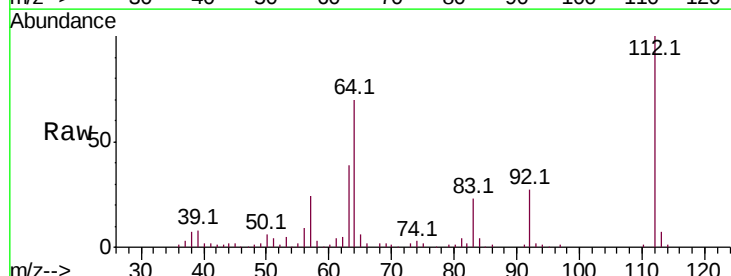
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 18.146 ng  
 RT: 5.62 min Scan# 397  
 Delta R.T. -0.01 min  
 Lab File: BG036769.D  
 Acq: 18 Sep 2018 2:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.8  | 57.2  | 85.8  |
| 63      | 39.2  | 30.8  | 46.2  |

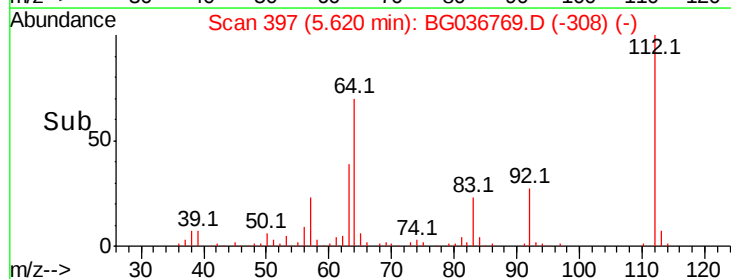
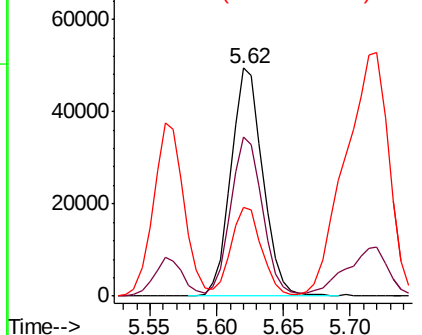


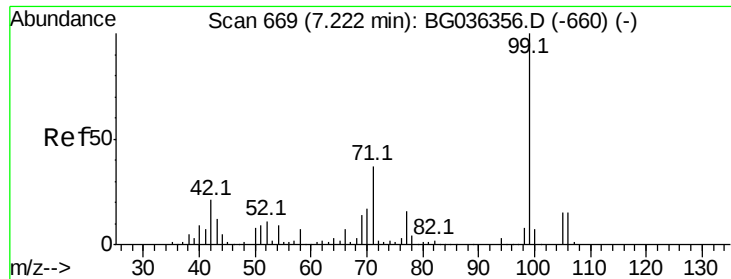
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 11.122 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036769.D

Acq: 18 Sep 2018 2:05

Instrument :

BNA\_G

ClientSampleId :

PR-MW-01-091218DL

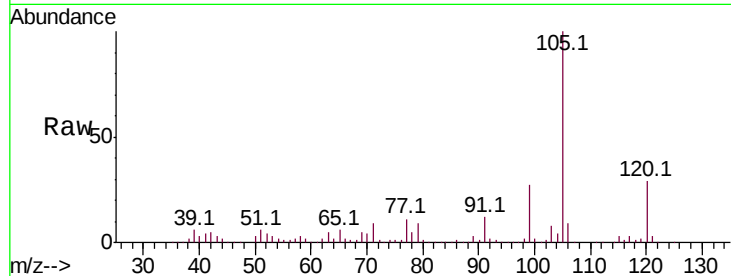
Tot Ion: 99 Resp: 72426

Ion Ratio Lower Upper

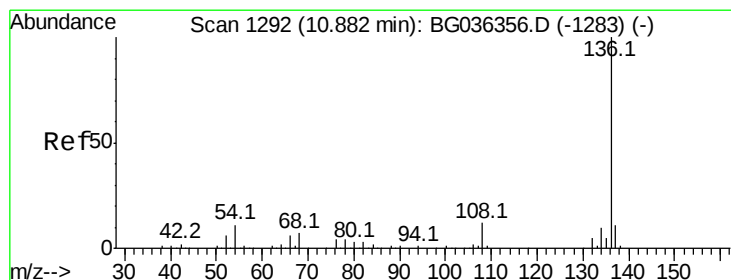
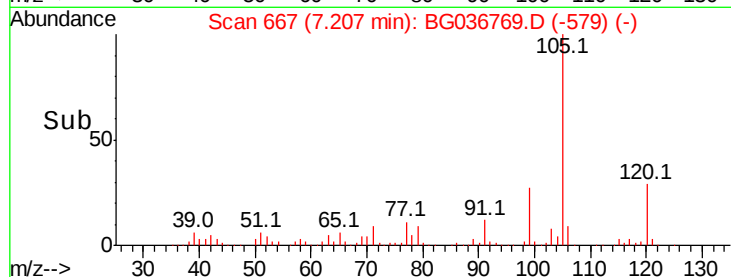
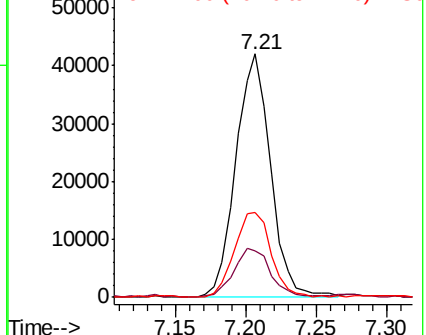
99 100

42 19.4 16.5 24.7

71 35.1 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: BG036769.D

Acq: 18 Sep 2018 2:05

Tgt Ion: 136 Resp: 291355

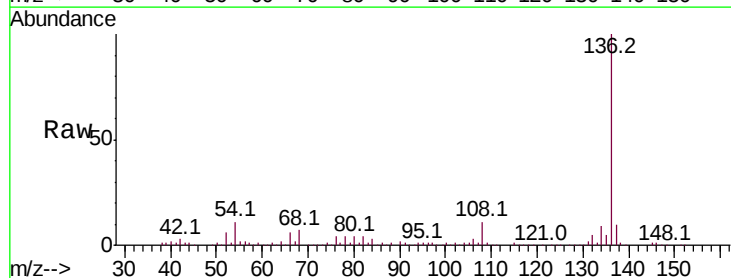
Ion Ratio Lower Upper

136 100

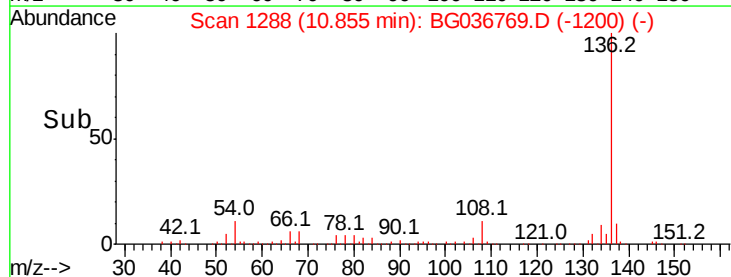
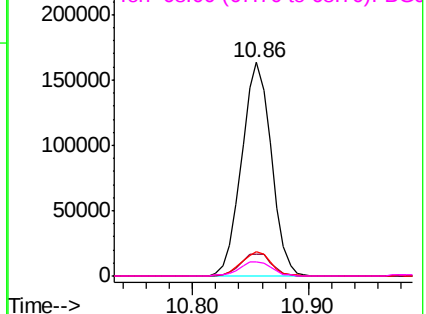
137 10.3 8.8 13.2

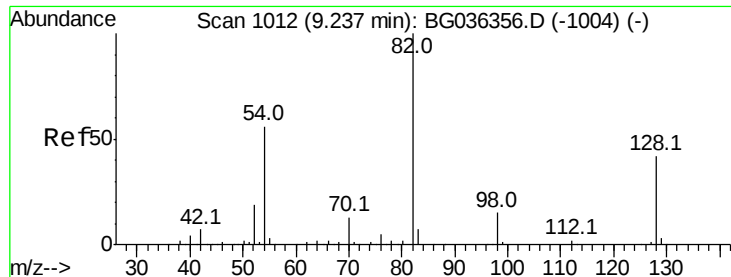
54 11.2 9.2 13.8

68 6.6 5.8 8.6



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

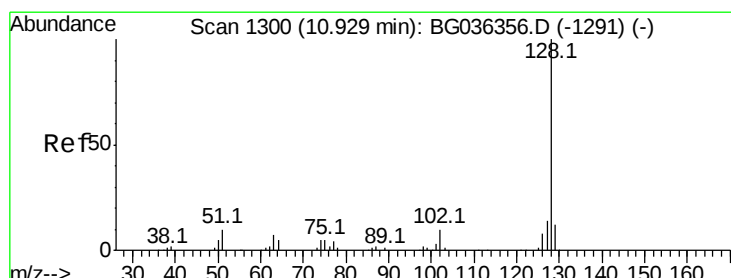
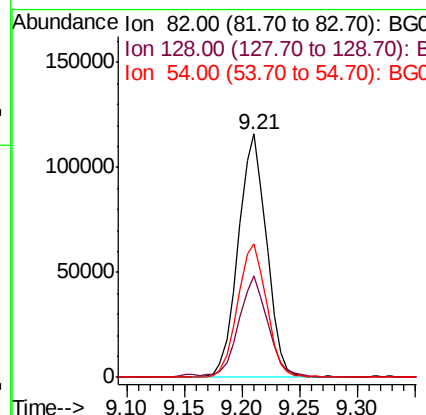
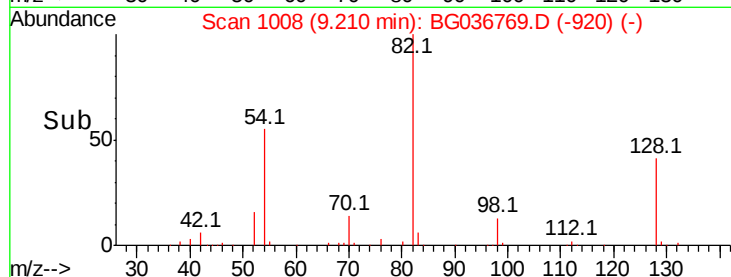
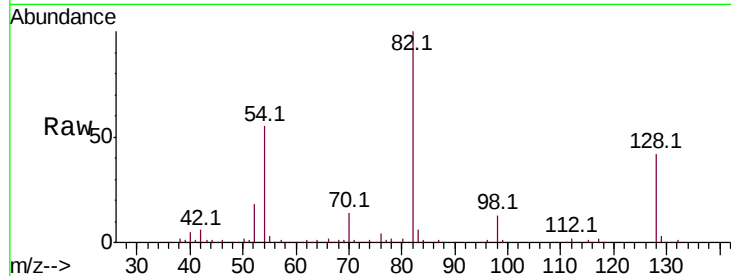




#23  
 Nitrobenzene-d5  
 Concen: 36.919 ng  
 RT: 9.21 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: BG036769.D  
 Acq: 18 Sep 2018 2:05

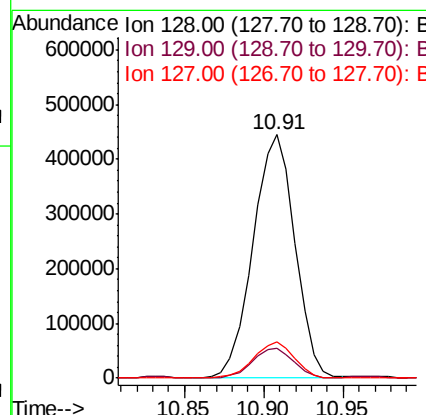
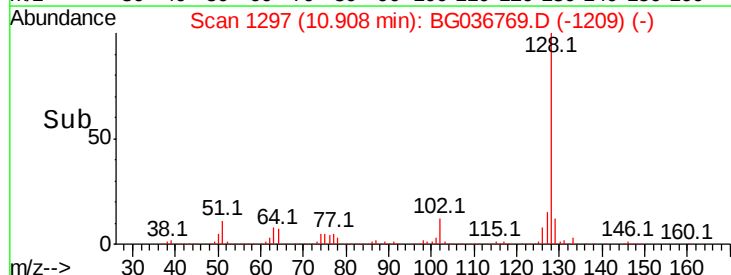
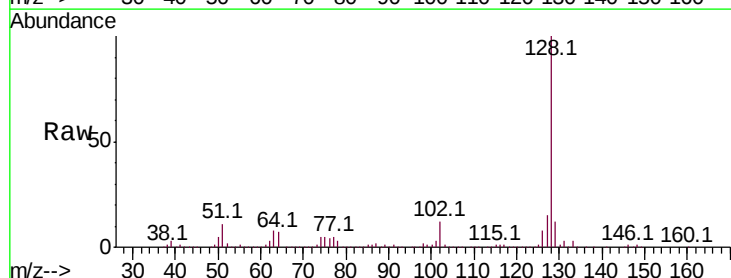
Instrument :  
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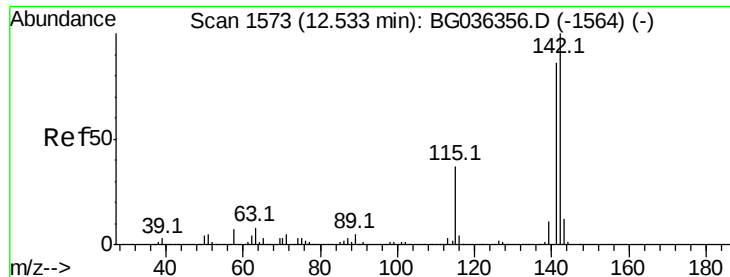
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.7  | 33.3  | 49.9  |
| 54      | 55.1  | 45.1  | 67.7  |



#31  
 Naphthalene  
 Concen: 55.833 ng  
 RT: 10.91 min Scan# 1297  
 Delta R.T. -0.01 min  
 Lab File: BG036769.D  
 Acq: 18 Sep 2018 2:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.1  | 9.4   | 14.2  |
| 127     | 14.9  | 11.0  | 16.4  |

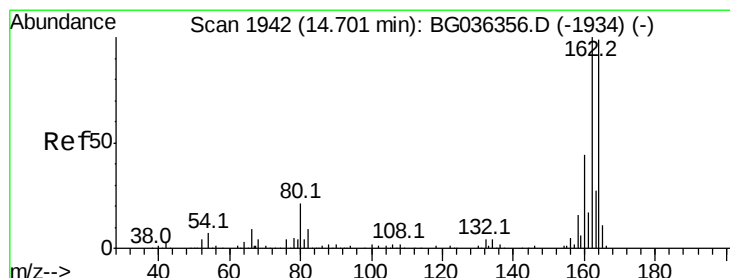
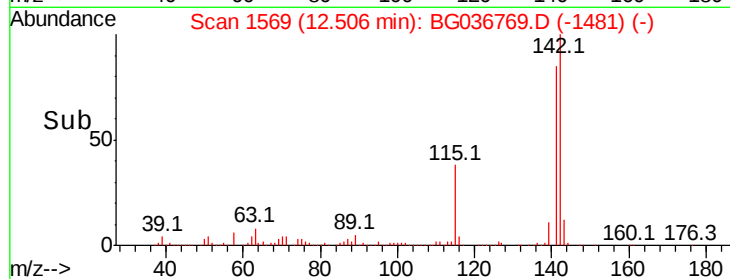
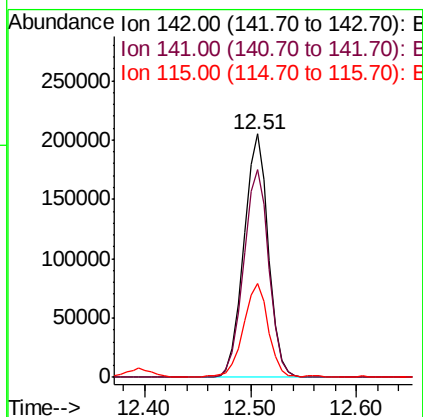
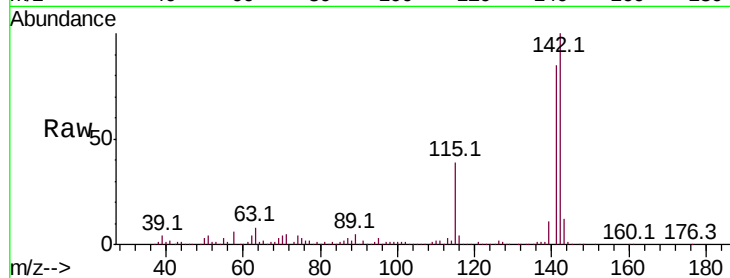




#37  
2-Methylnaphthalene  
Concen: 30.893 ng  
RT: 12.51 min Scan# 1569  
Delta R.T. -0.01 min  
Lab File: BG036769.D  
Acq: 18 Sep 2018 2:05

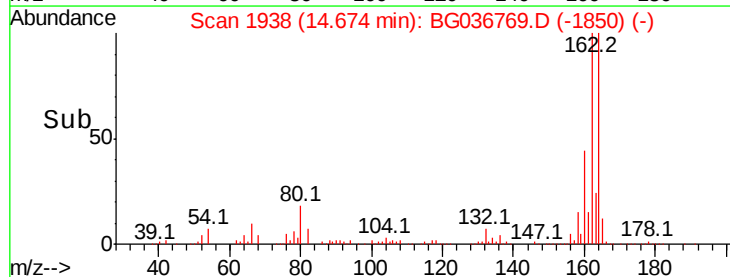
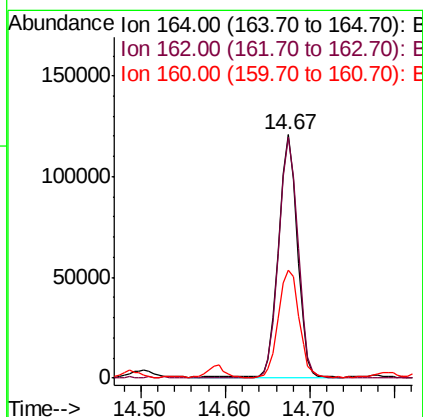
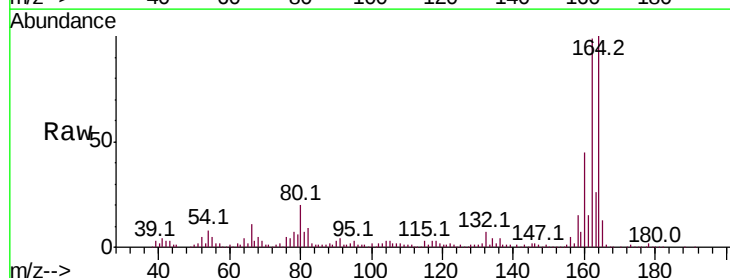
Instrument :  
BNA\_G  
ClientSampleId :  
PR-MW-01-091218DL

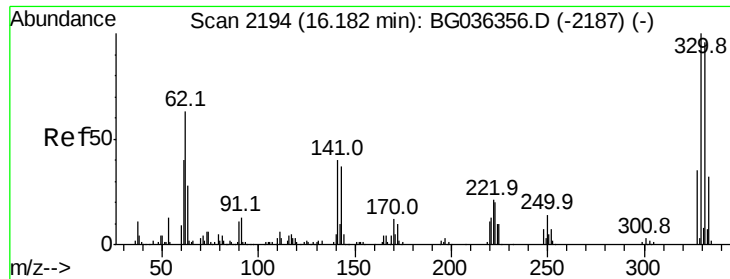
Tot Ion:142 Resp: 329219  
Ion Ratio Lower Upper  
142 100  
141 85.3 68.5 102.7  
115 38.5 29.8 44.8



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1938  
Delta R.T. -0.01 min  
Lab File: BG036769.D  
Acq: 18 Sep 2018 2:05

Tgt Ion:164 Resp: 184620  
Ion Ratio Lower Upper  
164 100  
162 99.2 80.7 121.1  
160 44.6 35.3 52.9

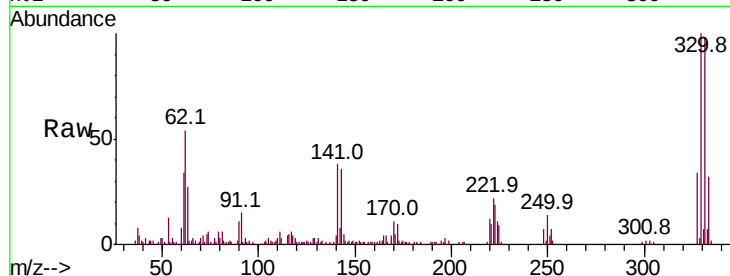




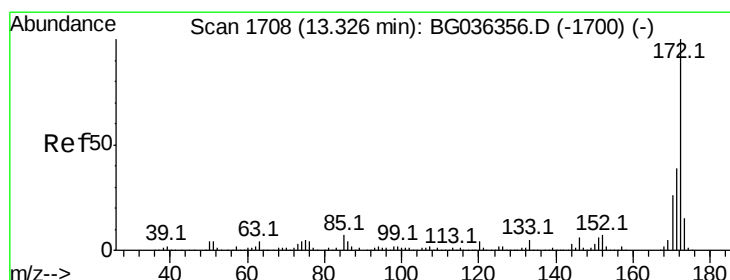
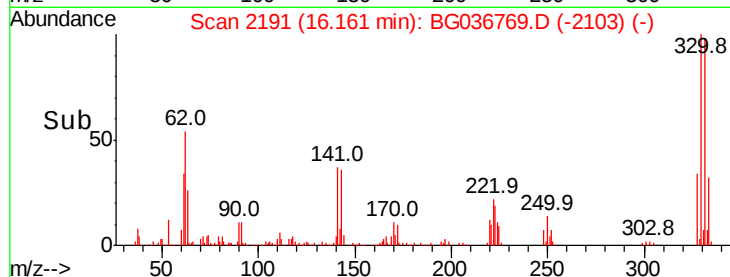
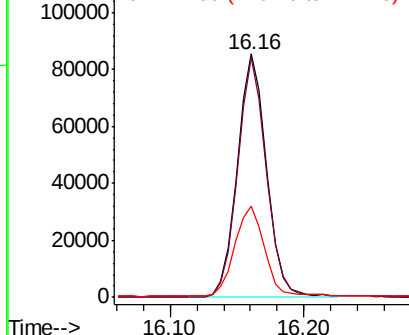
#41  
 2,4,6-Tribromophenol  
 Concen: 58.813 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036769.D  
 Acq: 18 Sep 2018 2:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-MW-01-091218DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 75.4  | 113.2 |
| 141     | 37.8  | 30.7  | 46.1  |

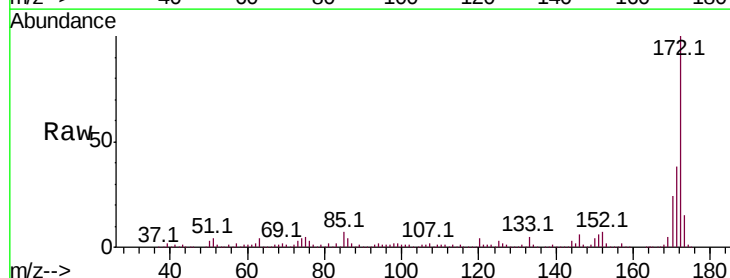


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

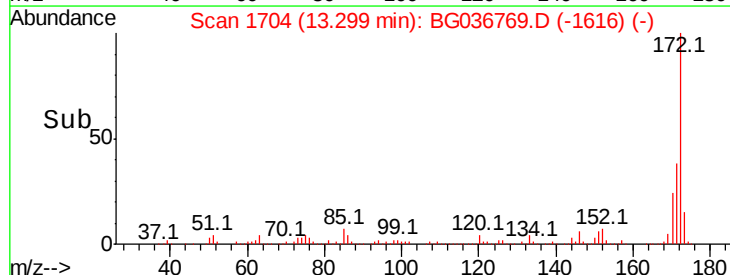
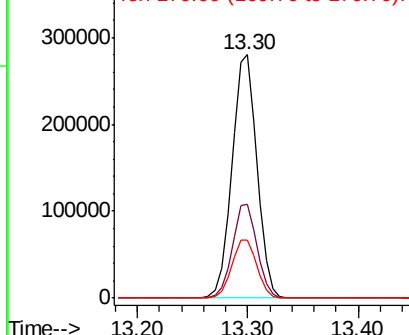


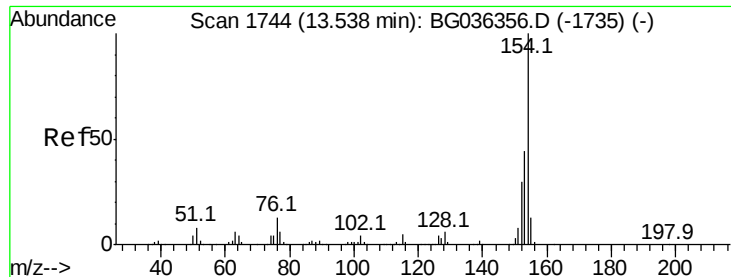
#44  
 2-Fluorobiphenyl  
 Concen: 34.307 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG036769.D  
 Acq: 18 Sep 2018 2:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.3  | 31.3  | 46.9  |
| 170     | 23.6  | 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





#45

1,1'-Biphenyl

Concen: 2.468 ng

RT: 13.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG036769.D

Acq: 18 Sep 2018 2:05

Instrument :

BNA\_G

ClientSampleId :

PR-MW-01-091218DL

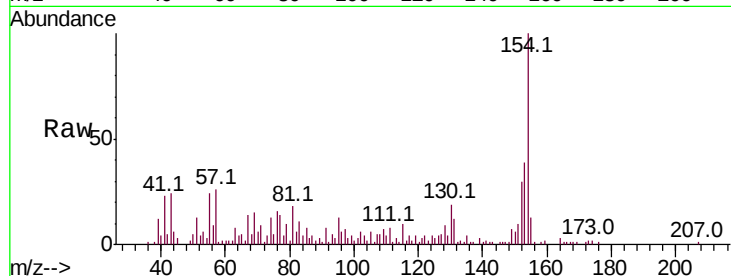
Tot Ion:154 Resp: 37825

Ion Ratio Lower Upper

154 100

153 38.7 24.0 64.0

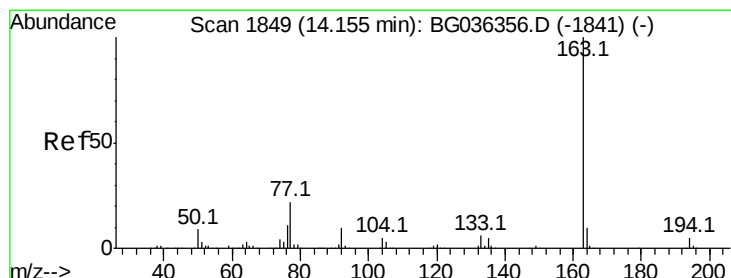
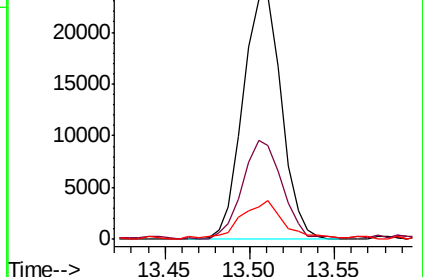
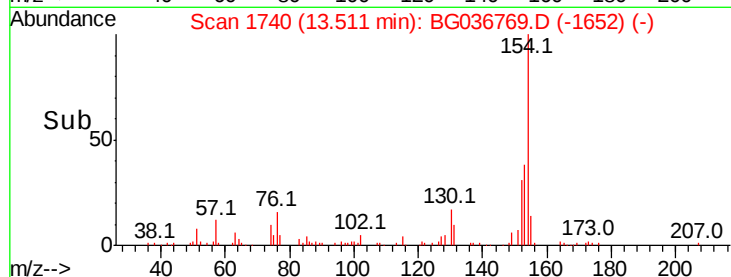
76 16.1 0.0 32.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#49

Dimethylphthalate

Concen: 6.894 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BG036769.D

Acq: 18 Sep 2018 2:05

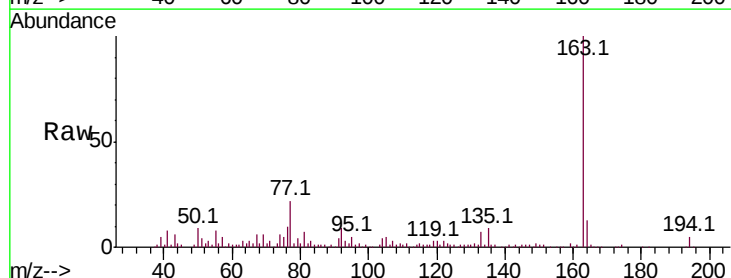
Tgt Ion:163 Resp: 103926

Ion Ratio Lower Upper

163 100

194 5.3 4.0 6.0

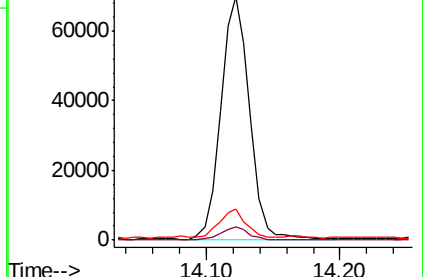
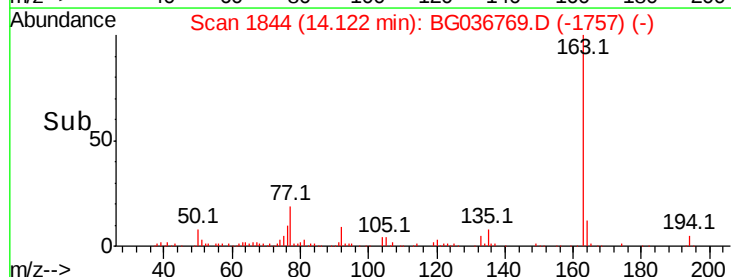
164 13.0 8.1 12.1#

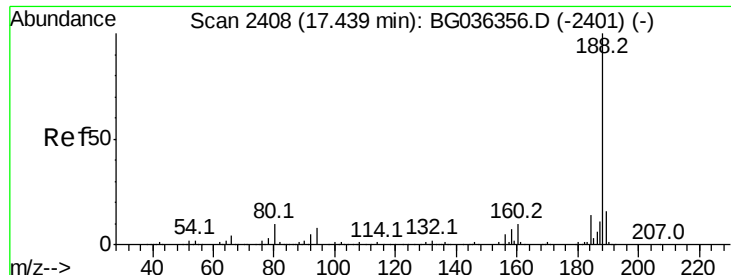


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

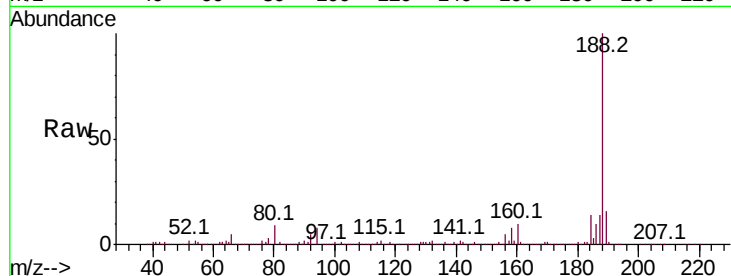




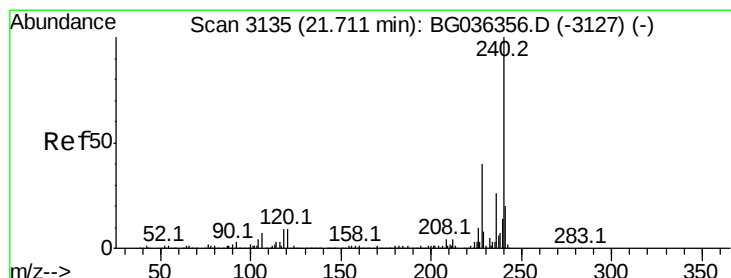
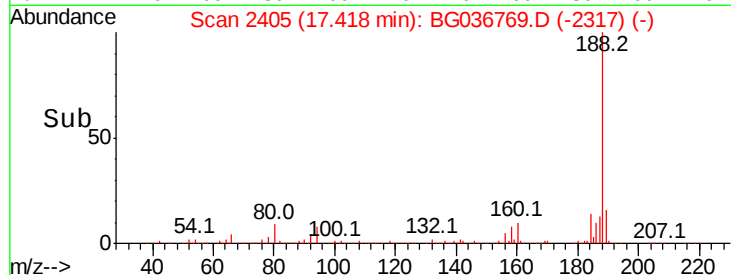
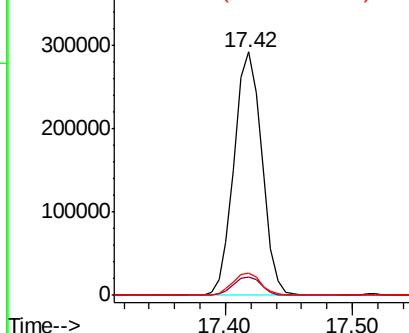
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2405  
Delta R.T. -0.01 min  
Lab File: BG036769.D  
Acq: 18 Sep 2018 2:05

Instrument :  
BNA\_G  
ClientSampleId :  
PR-MW-01-091218DL

Tot Ion:188 Resp: 444876  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.7 10.1  
80 9.0 8.1 12.1

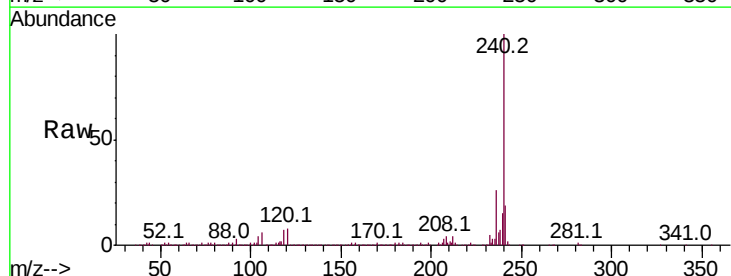


Abundance Ion 188.00 (187.70 to 188.70): E  
400000 Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

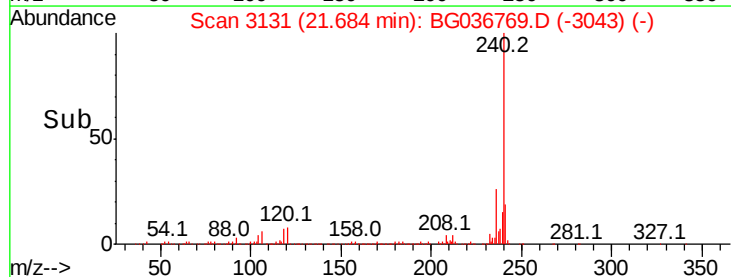
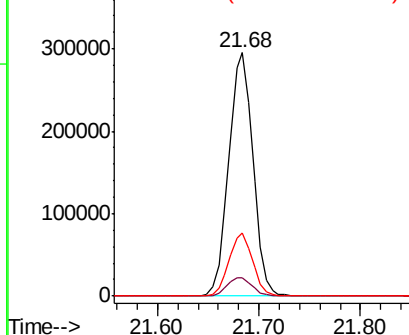


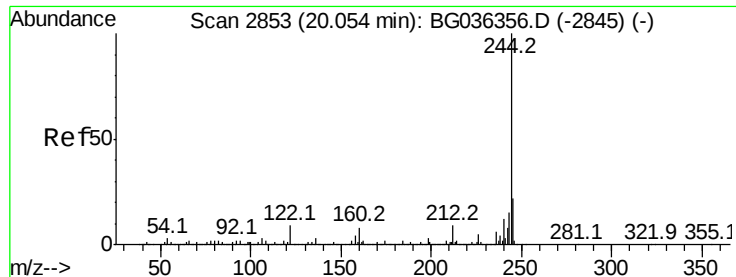
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3131  
Delta R.T. -0.01 min  
Lab File: BG036769.D  
Acq: 18 Sep 2018 2:05

Tgt Ion:240 Resp: 490600  
Ion Ratio Lower Upper  
240 100  
120 7.6 6.9 10.3  
236 26.2 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E  
400000 Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 35.877 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036769.D

Acq: 18 Sep 2018 2:05

Instrument :

BNA\_G

ClientSampleId :

PR-MW-01-091218DL

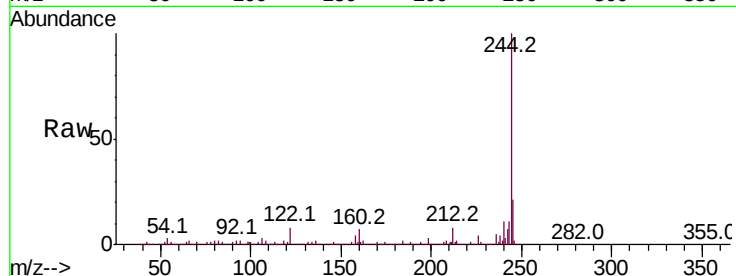
Tot Ion:244 Resp: 753039

Ion Ratio Lower Upper

244 100

212 8.0 7.0 10.6

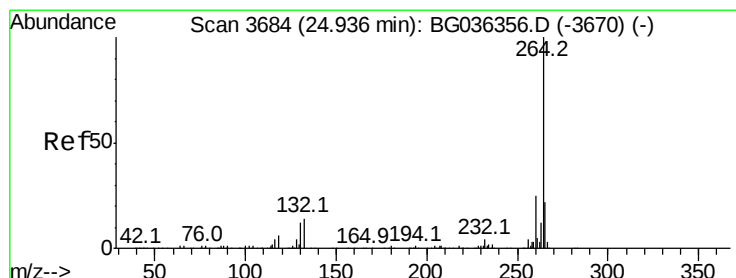
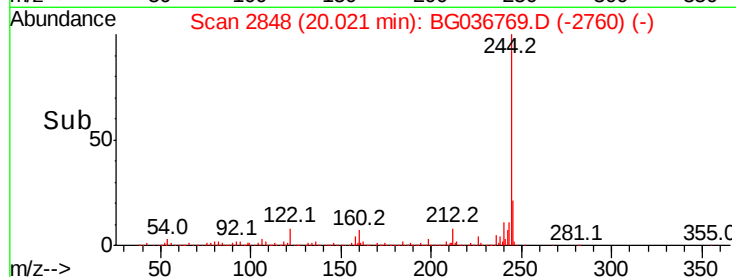
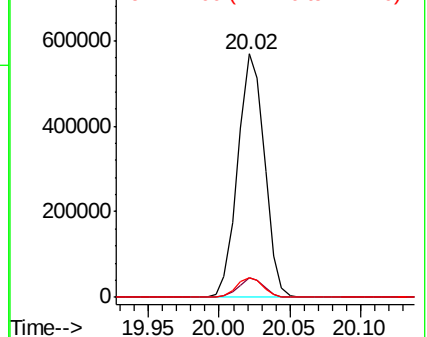
122 8.3 7.1 10.7



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: BG036769.D

Acq: 18 Sep 2018 2:05

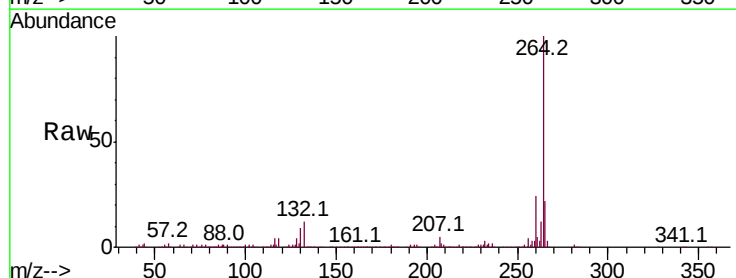
Tgt Ion:264 Resp: 499156

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 22.3 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

