

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092317\  
 Data File : BG028901.D  
 Acq On : 23 Sep 2017 16:58  
 Operator : SJ/JU  
 Sample : I5298-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 25 01:00:01 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

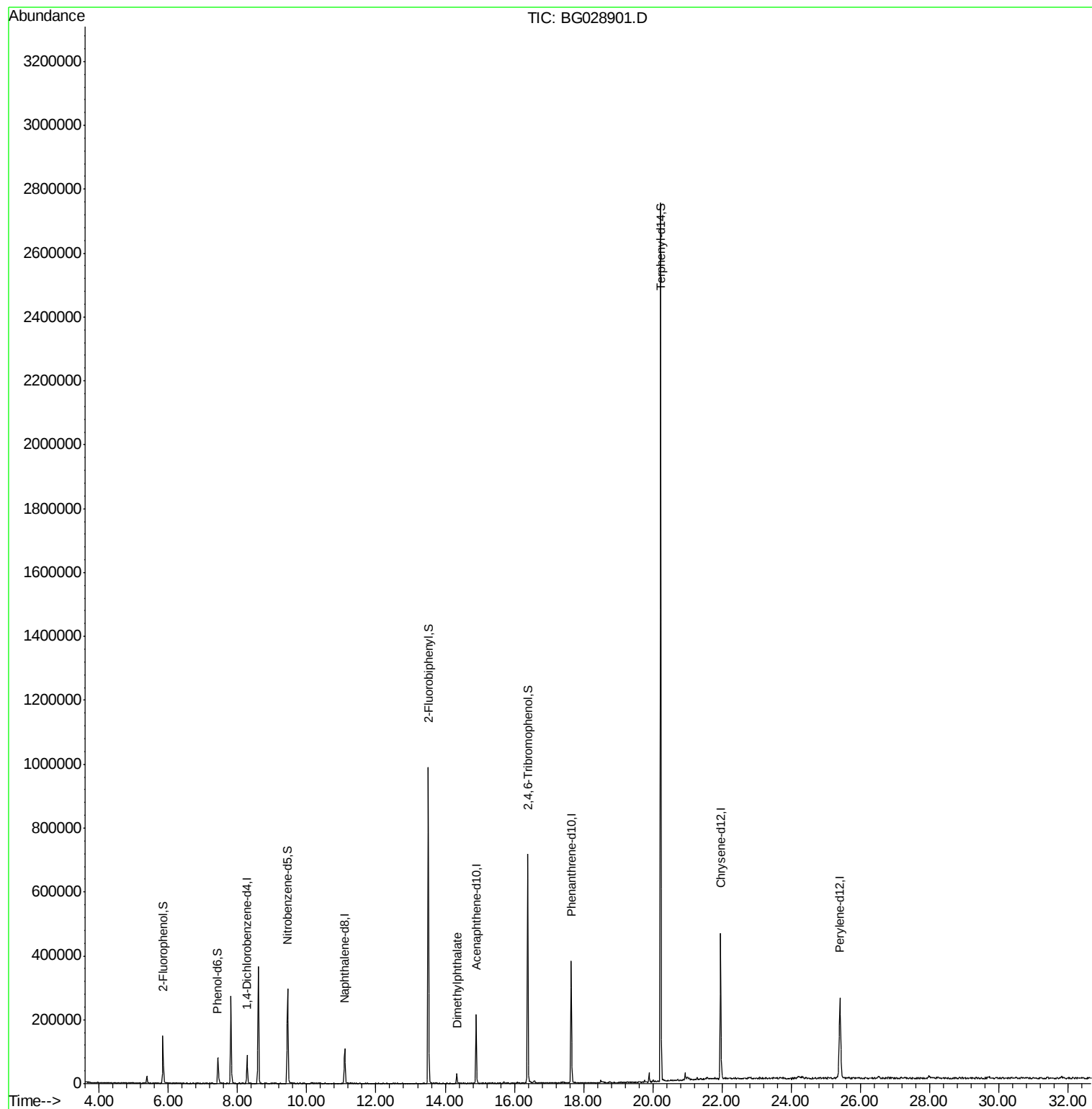
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.28  | 152  | 25072    | 20.00  | ng    | -0.05        |
| 21) Naphthalene-d8          | 11.10 | 136  | 100388   | 20.00  | ng    | -0.05        |
| 38) Acenaphthene-d10        | 14.89 | 164  | 78043    | 20.00  | ng    | -0.05        |
| 63) Phenanthrene-d10        | 17.64 | 188  | 253523   | 20.00  | ng    | -0.05        |
| 75) Chrysene-d12            | 21.96 | 240  | 294267   | 20.00  | ng    | -0.07        |
| 86) Perylene-d12            | 25.41 | 264  | 311364   | 20.00  | ng    | -0.12        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.84  | 112  | 62869    | 41.38  | ng    | -0.06        |
| 7) Phenol-d6                | 7.43  | 99   | 52830    | 23.09  | ng    | -0.06        |
| 23) Nitrobenzene-d5         | 9.45  | 82   | 197539   | 94.13  | ng    | -0.06        |
| 41) 2,4,6-Tribromophenol    | 16.38 | 330  | 152421   | 118.08 | ng    | -0.05        |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 546458   | 93.37  | ng    | -0.05        |
| 78) Terphenyl-d14           | 20.23 | 244  | 1238756  | 89.77  | ng    | -0.05        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.33 | 163  | 23275    | 3.56   | ng    | Qvalue<br>97 |

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

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Quant Time: Sep 25 01:00:01 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
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QLast Update : Tue Sep 12 16:57:11 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.28 min Scan# 798

Delta R.T. -0.05 min

Lab File: BG028901.D

Acq: 23 Sep 2017 16:58

Instrument :

BNA\_G

ClientSampleId :

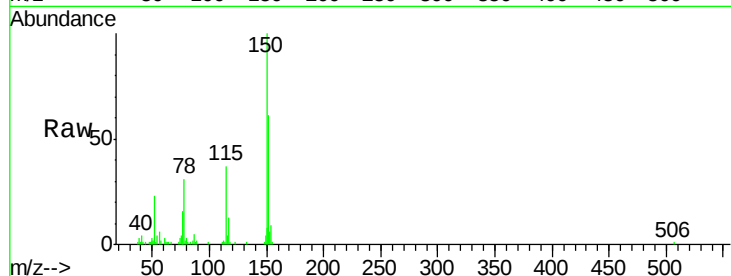
Tot Ion:152 Resp: 25072

Ion Ratio Lower Upper

152 100

150 163.4 114.0 171.0

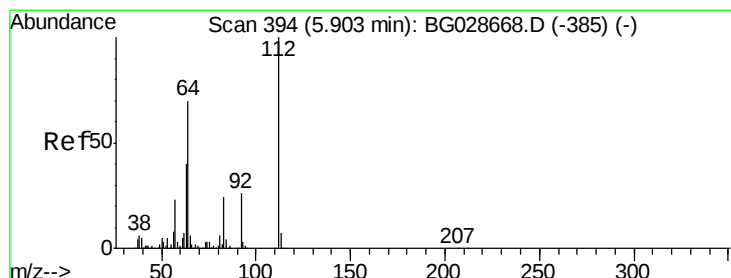
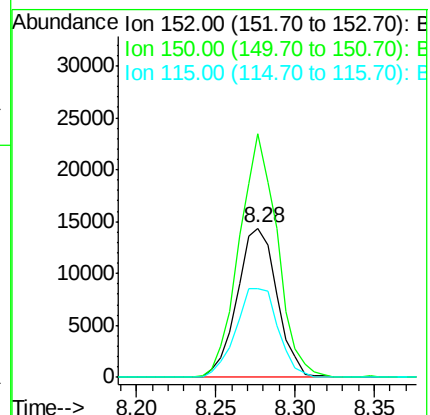
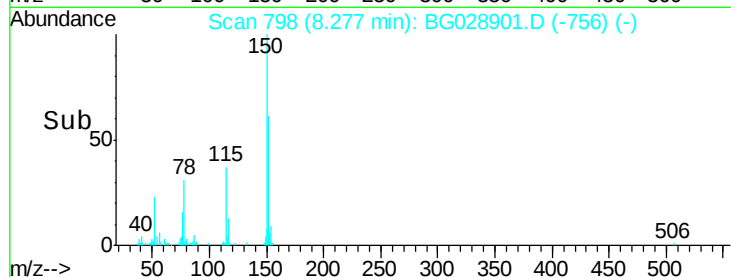
115 59.8 48.1 72.1



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: 41.38 ng

RT: 5.84 min Scan# 384

Delta R.T. -0.06 min

Lab File: BG028901.D

Acq: 23 Sep 2017 16:58

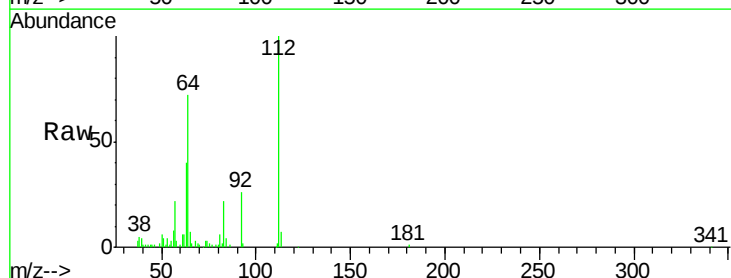
Tgt Ion:112 Resp: 62869

Ion Ratio Lower Upper

112 100

64 72.4 61.8 92.6

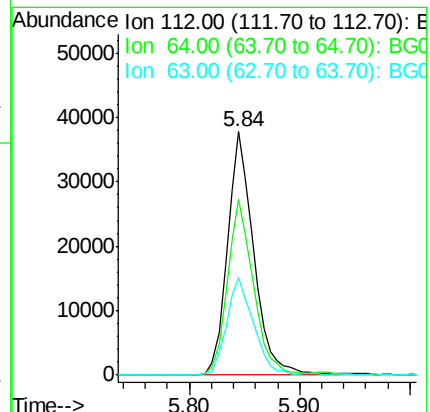
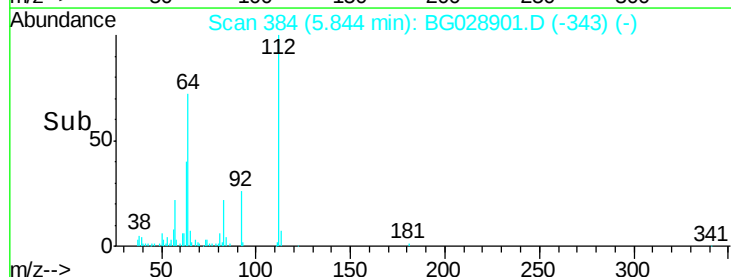
63 40.1 37.2 55.8

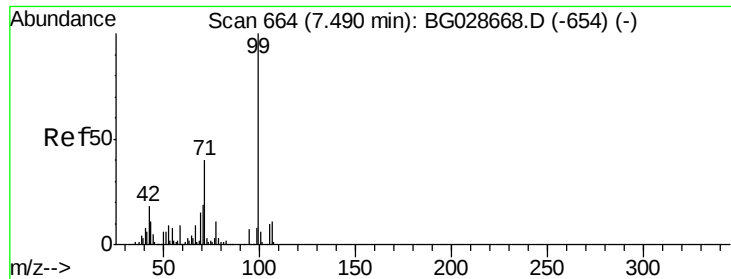


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 23.09 ng

RT: 7.43 min Scan# 654

Delta R.T. -0.06 min

Lab File: BG028901.D

Acq: 23 Sep 2017 16:58

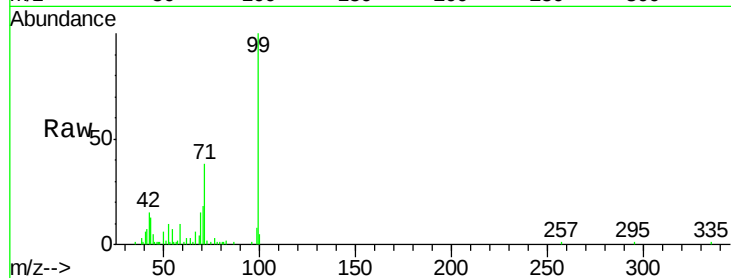
Instrument :

BNA\_G

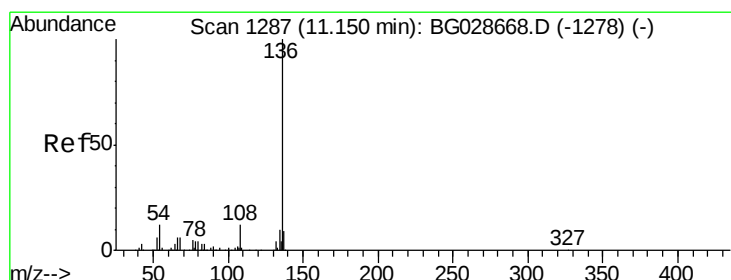
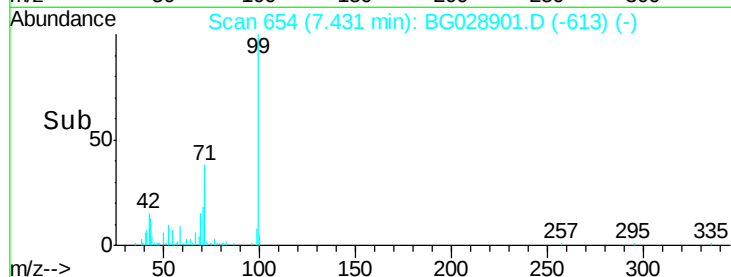
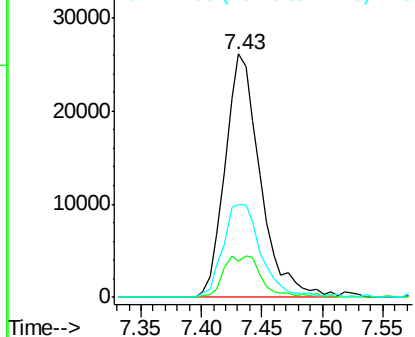
ClientSampleId :

Tot Ion: 99 Resp: 52830

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.1  | 20.5  | 30.7# |
| 71  | 38.0  | 37.6  | 56.4  |



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: 20.00 ng

RT: 11.10 min Scan# 1278

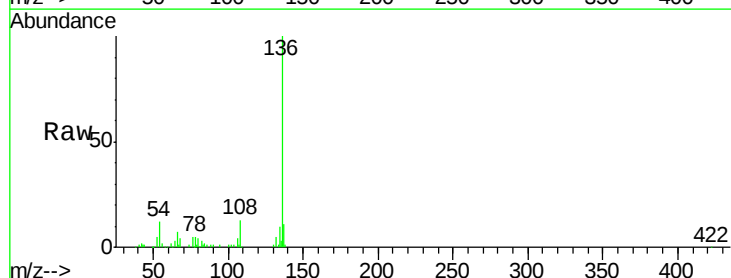
Delta R.T. -0.05 min

Lab File: BG028901.D

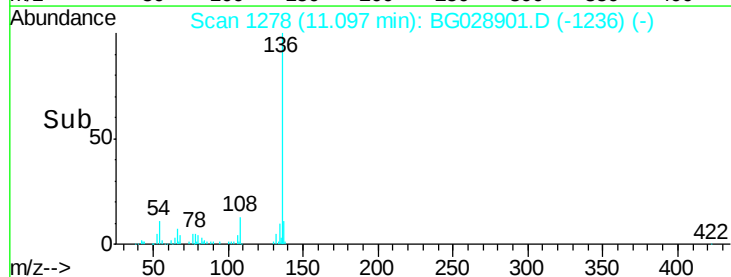
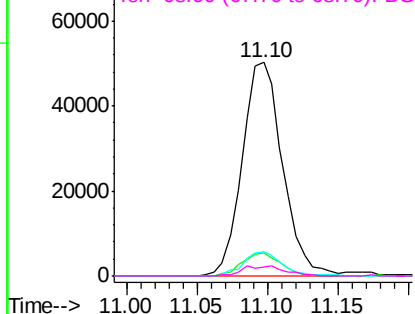
Acq: 23 Sep 2017 16:58

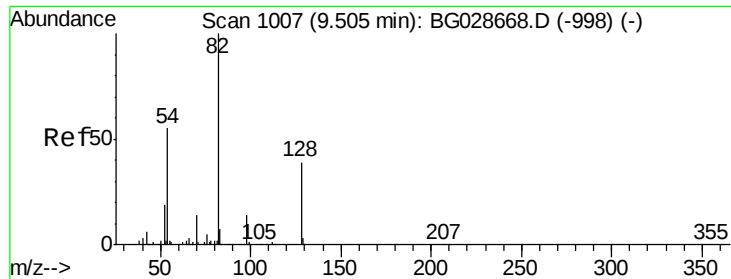
Tgt Ion: 136 Resp: 100388

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.9   | 13.3  |
| 54  | 11.7  | 9.3   | 13.9  |
| 68  | 4.2   | 5.1   | 7.7#  |



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

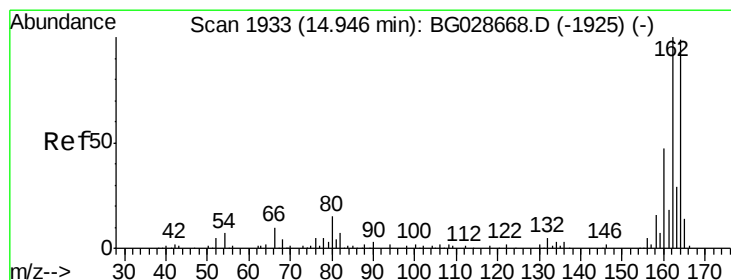
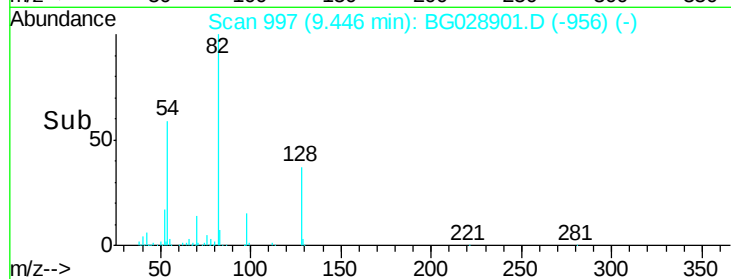
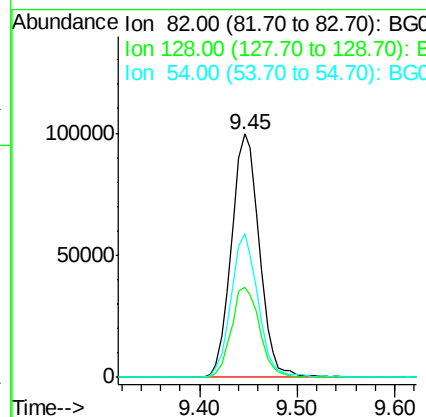
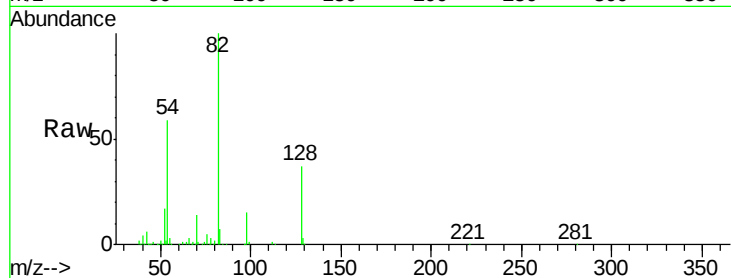




#23  
 Nitrobenzene-d5  
 Concen: 94.13 ng  
 RT: 9.45 min Scan# 997  
 Delta R.T. -0.06 min  
 Lab File: BG028901.D  
 Acq: 23 Sep 2017 16:58

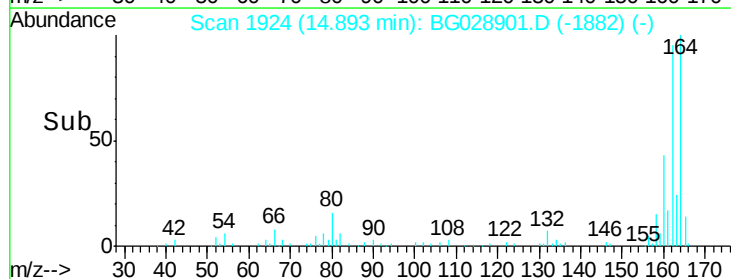
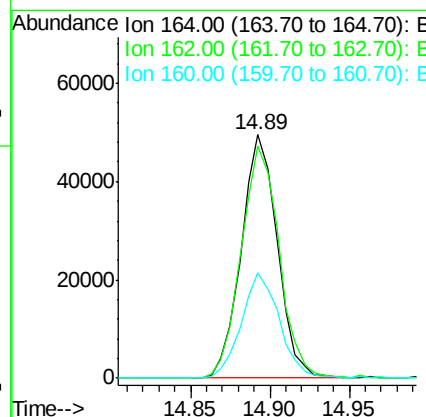
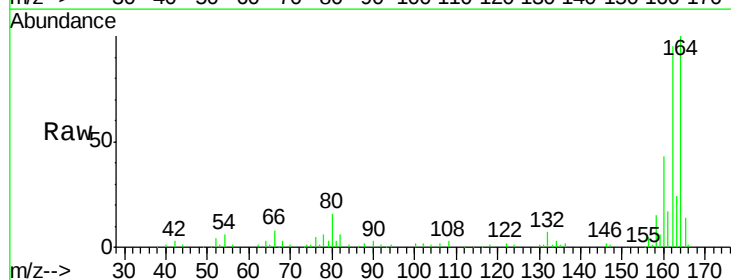
Instrument :  
 BNA\_G  
 ClientSampleId :

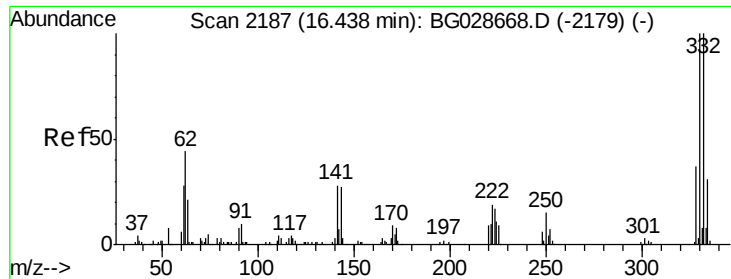
| Tot Ion | 82    | Resp  | 197539 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 36.9  | 26.4  | 39.6   |
| 54      | 59.2  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.89 min Scan# 1924  
 Delta R.T. -0.05 min  
 Lab File: BG028901.D  
 Acq: 23 Sep 2017 16:58

| Tgt Ion | 164   | Resp  | 78043 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 95.2  | 85.1  | 127.7 |
| 160     | 43.3  | 34.7  | 52.1  |





#41

2,4,6-Tribromophenol

Concen: 118.08 ng

RT: 16.38 min Scan# 2178

Delta R.T. -0.05 min

Lab File: BG028901.D

Acq: 23 Sep 2017 16:58

Instrument :

BNA\_G

ClientSampleId :

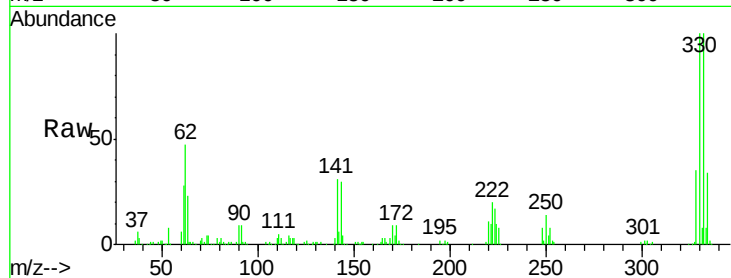
Tot Ion:330 Resp: 152421

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

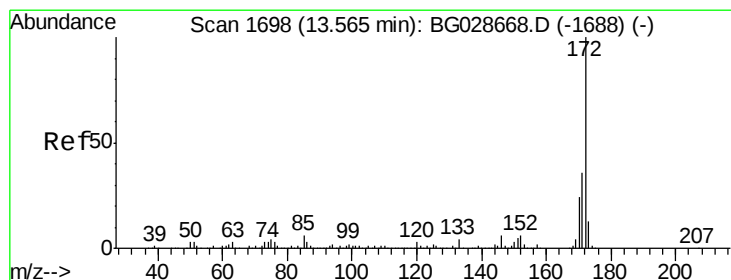
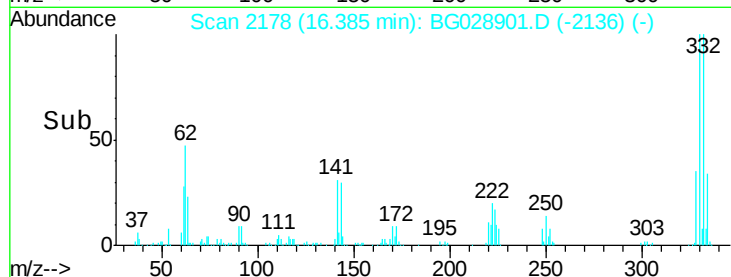
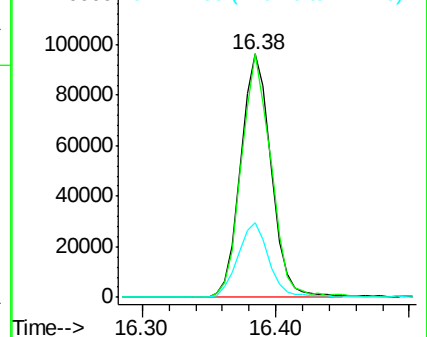
141 31.4 32.1 48.1#



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: 93.37 ng

RT: 13.51 min Scan# 1689

Delta R.T. -0.05 min

Lab File: BG028901.D

Acq: 23 Sep 2017 16:58

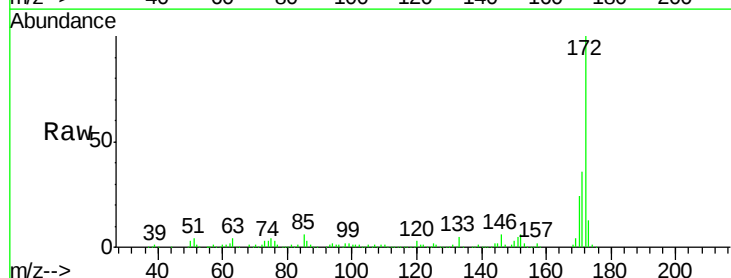
Tgt Ion:172 Resp: 546458

Ion Ratio Lower Upper

172 100

171 35.7 32.2 48.2

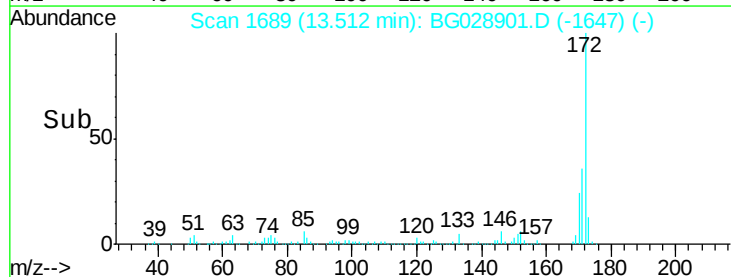
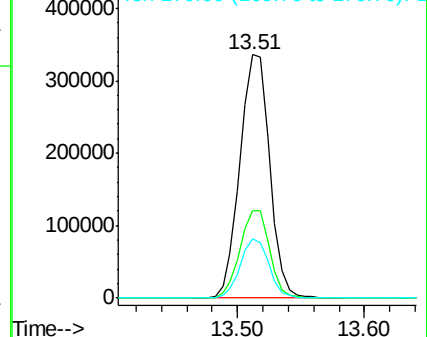
170 24.4 21.8 32.6

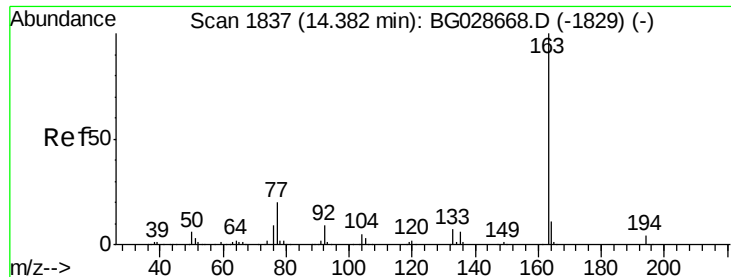


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.56 ng

RT: 14.33 min Scan# 1829

Delta R.T. -0.05 min

Lab File: BG028901.D

Acq: 23 Sep 2017 16:58

Instrument :

BNA\_G

ClientSampleId :

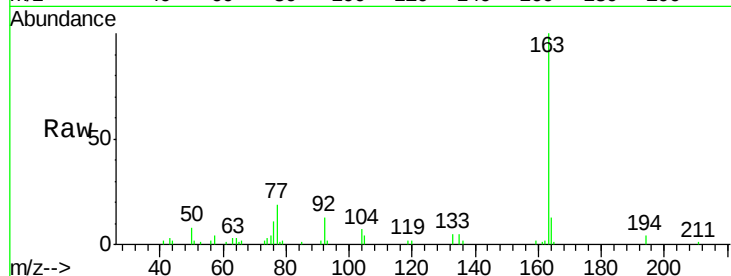
Tot Ion:163 Resp: 23275

Ion Ratio Lower Upper

163 100

194 4.4 3.8 5.6

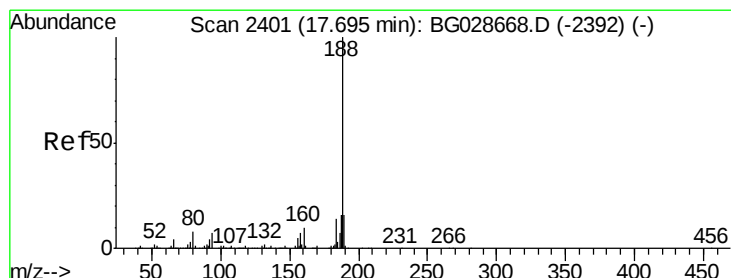
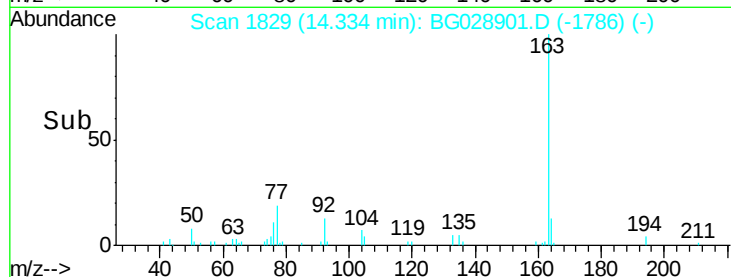
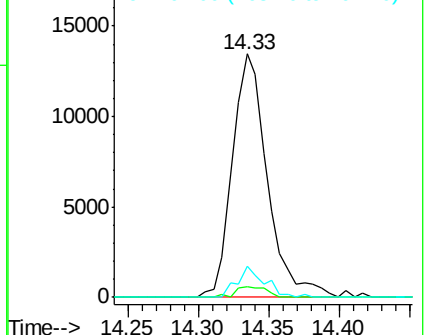
164 12.9 9.3 13.9



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: 20.00 ng

RT: 17.64 min Scan# 2392

Delta R.T. -0.05 min

Lab File: BG028901.D

Acq: 23 Sep 2017 16:58

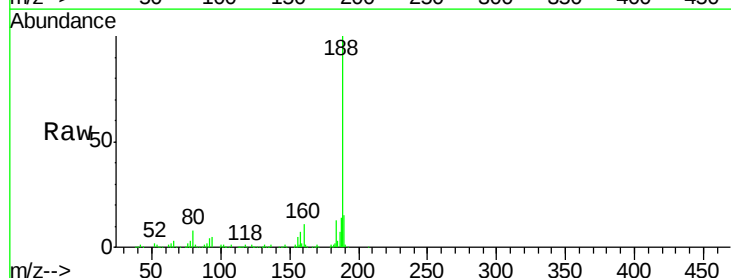
Tgt Ion:188 Resp: 253523

Ion Ratio Lower Upper

188 100

94 5.4 5.8 8.8#

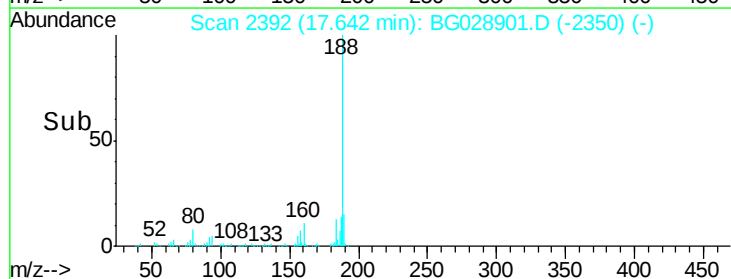
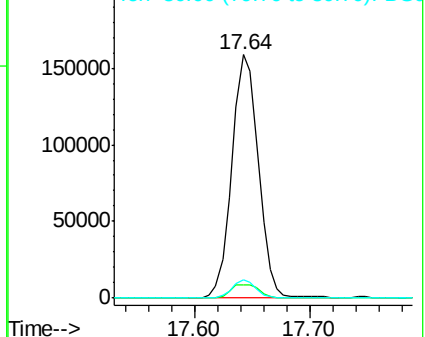
80 7.8 7.5 11.3

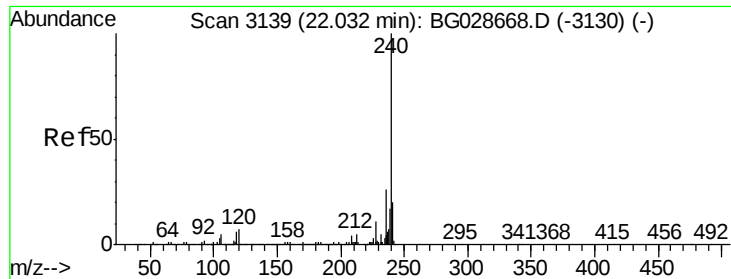


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.96 min Scan# 3127

Delta R.T. -0.07 min

Lab File: BG028901.D

Acq: 23 Sep 2017 16:58

Instrument :

BNA\_G

ClientSampleId :

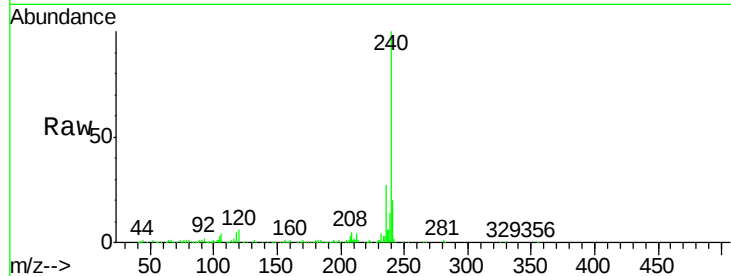
Tot Ion:240 Resp: 294267

Ion Ratio Lower Upper

240 100

120 6.0 5.7 8.5

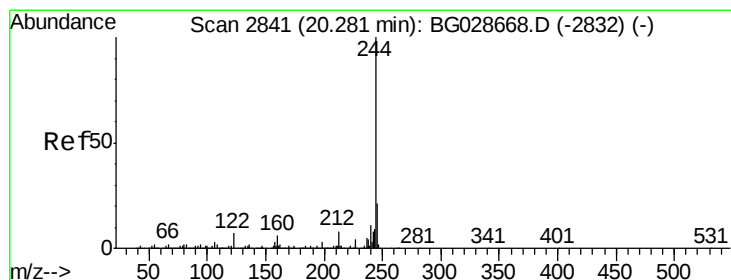
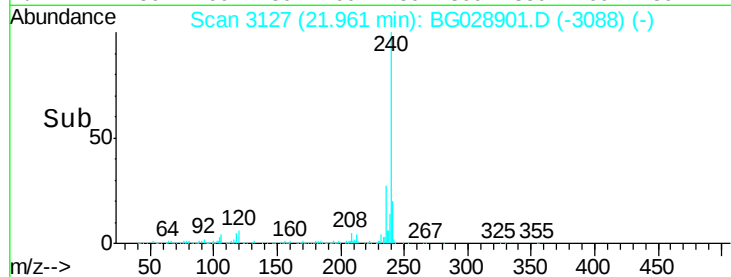
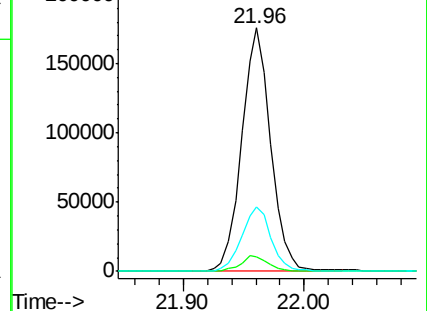
236 26.7 22.2 33.4



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: 89.77 ng

RT: 20.23 min Scan# 2833

Delta R.T. -0.05 min

Lab File: BG028901.D

Acq: 23 Sep 2017 16:58

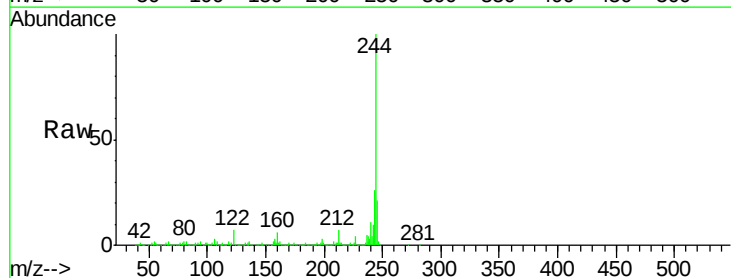
Tgt Ion:244 Resp: 1238756

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

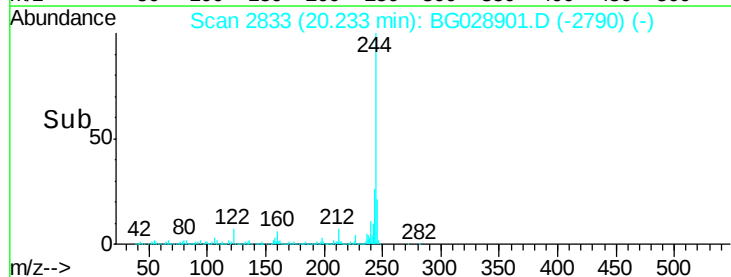
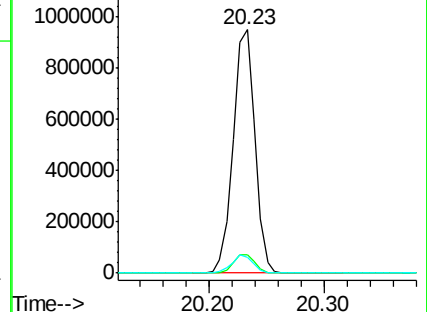
122 6.7 8.6 12.8#

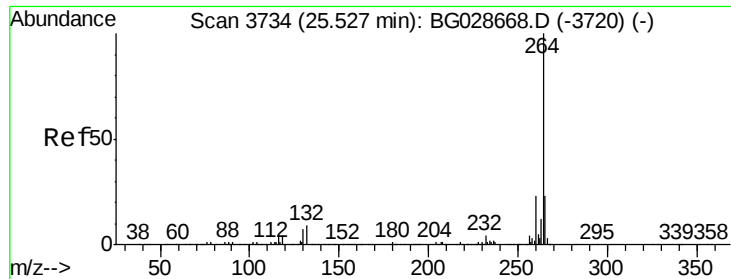


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

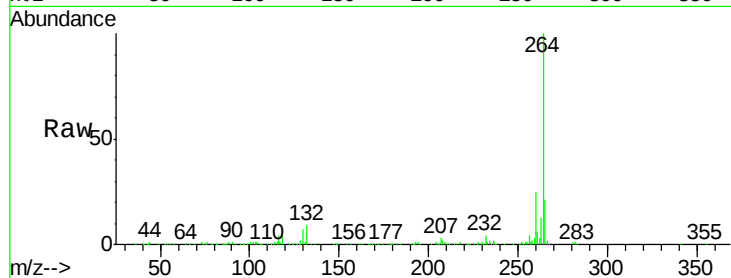




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.41 min Scan# 3714  
Delta R.T. -0.12 min  
Lab File: BG028901.D  
Acq: 23 Sep 2017 16:58

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 21.8  | 32.8  |
| 265     | 20.8  | 18.2  | 27.4  |



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

