

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\  
 Data File : BG028802.D  
 Acq On : 18 Sep 2017 19:39  
 Operator : SJ/JU  
 Sample : I5259-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 19 01:11:48 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

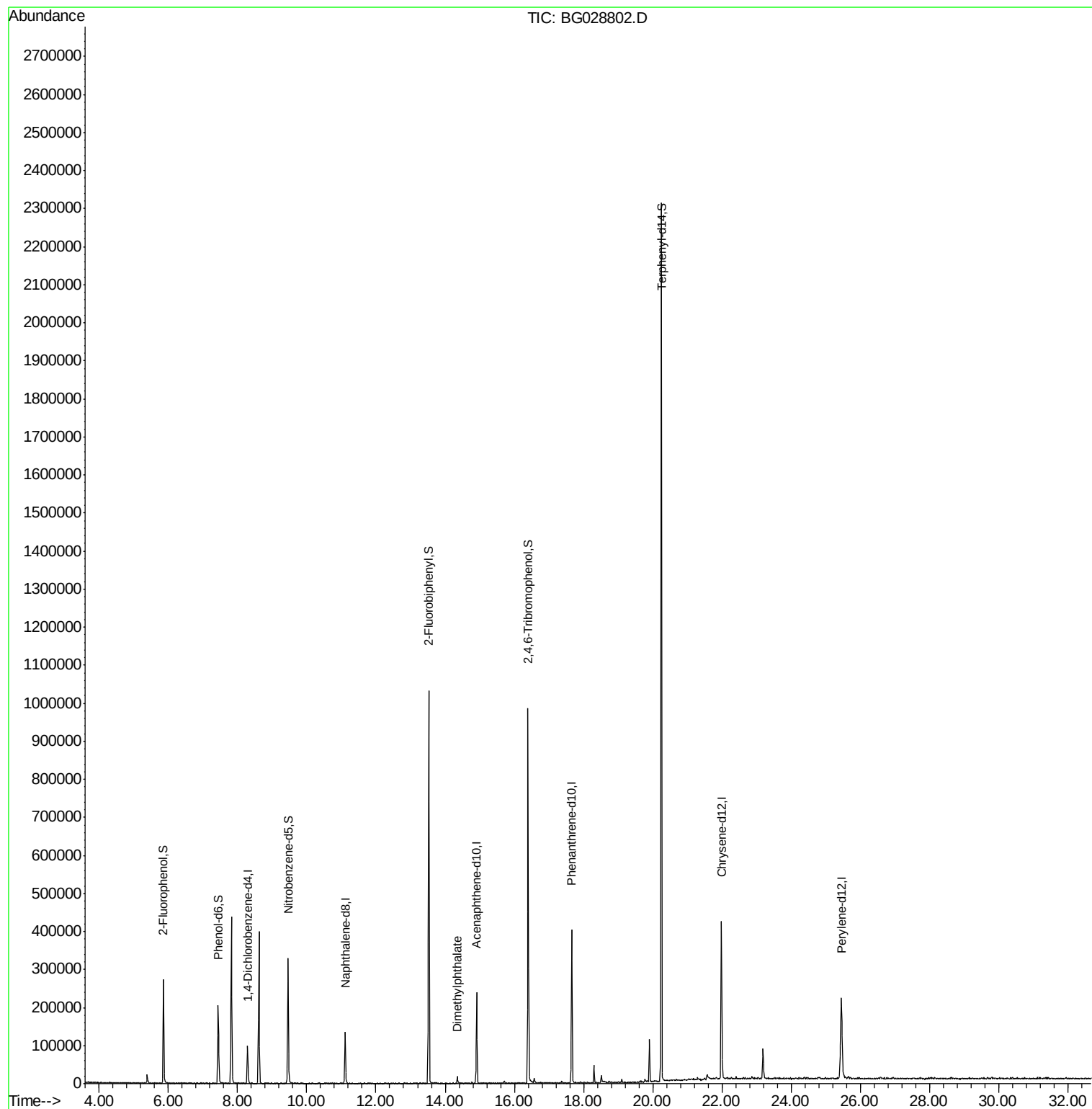
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 27862    | 20.00  | ng    | -0.04          |
| 21) Naphthalene-d8          | 11.11 | 136  | 118569   | 20.00  | ng    | -0.04          |
| 38) Acenaphthene-d10        | 14.91 | 164  | 88309    | 20.00  | ng    | -0.04          |
| 63) Phenanthrene-d10        | 17.66 | 188  | 257322   | 20.00  | ng    | -0.04          |
| 75) Chrysene-d12            | 21.98 | 240  | 285773   | 20.00  | ng    | -0.05          |
| 86) Perylene-d12            | 25.44 | 264  | 291681   | 20.00  | ng    | -0.08          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.86  | 112  | 117921   | 69.84  | ng    | -0.05          |
| 7) Phenol-d6                | 7.44  | 99   | 125879   | 49.51  | ng    | -0.05          |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 216506   | 87.35  | ng    | -0.05          |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 217827   | 149.14 | ng    | -0.04          |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 576860   | 87.10  | ng    | -0.04          |
| 78) Terphenyl-d14           | 20.25 | 244  | 1129517  | 84.29  | ng    | -0.03          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.35 | 163  | 14869    | 2.01   | ng    | Qvalue<br># 95 |

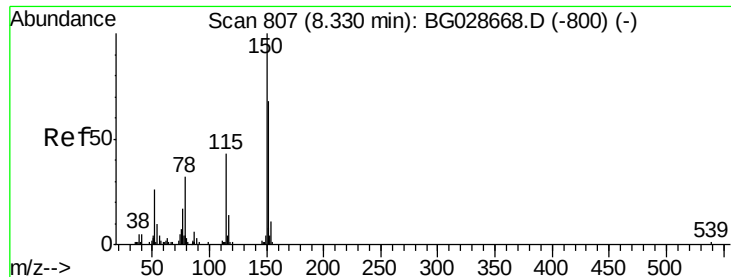
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\  
Data File : BG028802.D  
Acq On : 18 Sep 2017 19:39  
Operator : SJ/JU  
Sample : I5259-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Sep 19 01:11:48 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



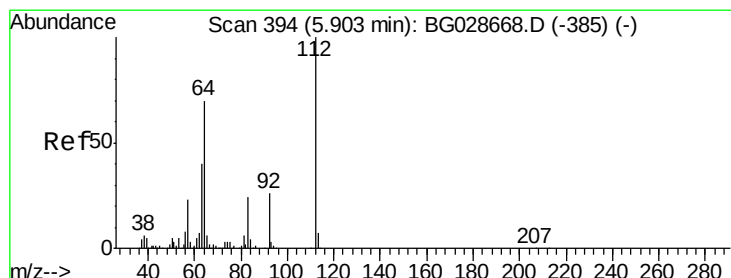
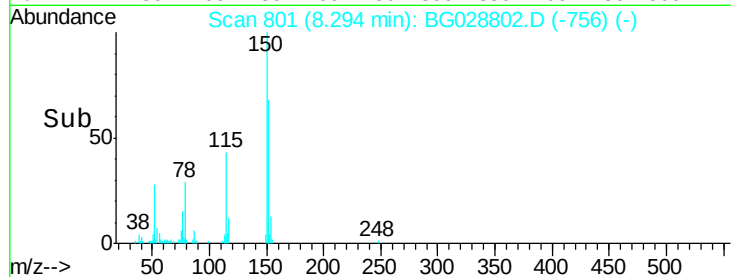
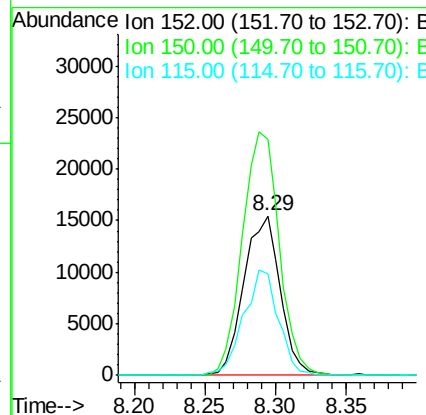
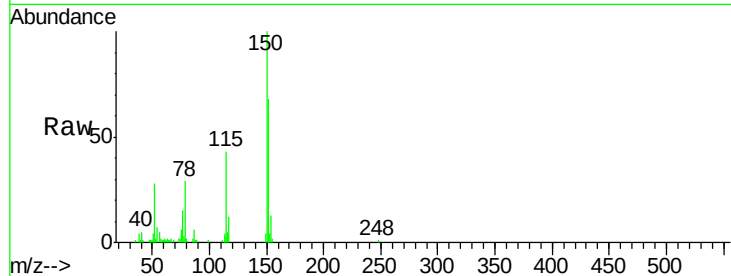


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.29 min Scan# 801  
Delta R.T. -0.04 min  
Lab File: BG028802.D  
Acq: 18 Sep 2017 19:39

Instrument :  
BNA\_G  
ClientSampleId :

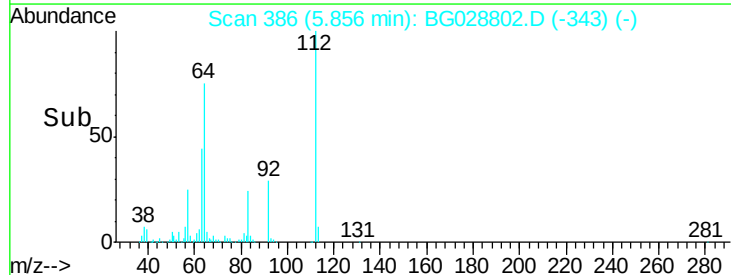
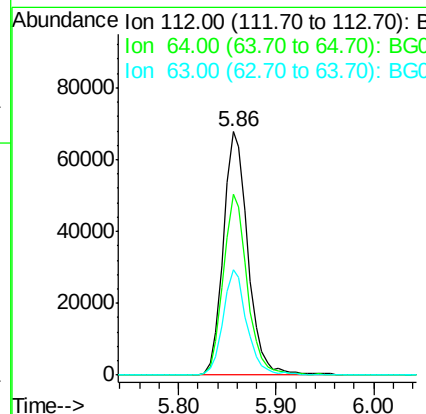
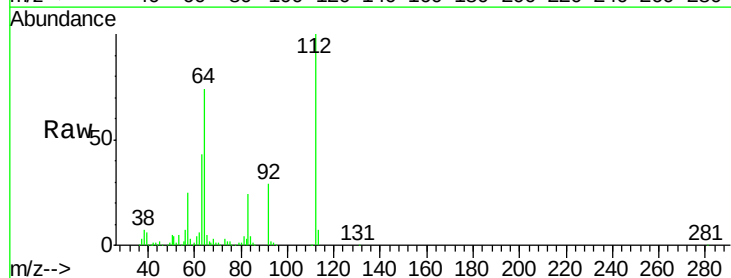
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 147.5 | 114.0 | 171.0 |
| 115     | 63.6  | 48.1  | 72.1  |

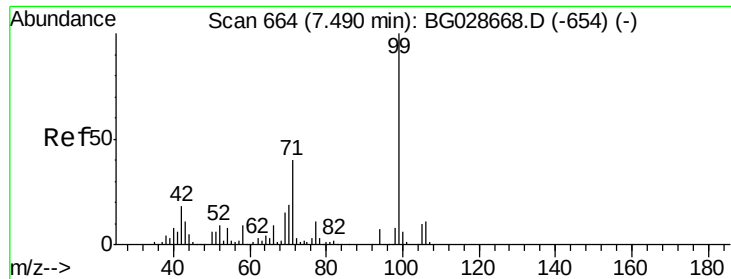


#5

2-Fluorophenol  
Concen: 69.84 ng  
RT: 5.86 min Scan# 386  
Delta R.T. -0.05 min  
Lab File: BG028802.D  
Acq: 18 Sep 2017 19:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 74.4  | 61.8  | 92.6  |
| 63      | 43.4  | 37.2  | 55.8  |





#7

Phenol-d6

Concen: 49.51 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028802.D

Acq: 18 Sep 2017 19:39

Instrument :

BNA\_G

ClientSampleId :

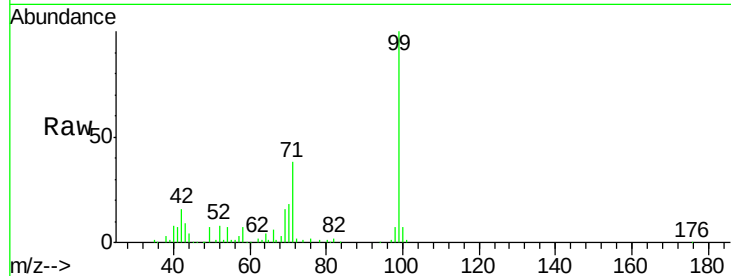
Tot Ion: 99 Resp: 125879

Ion Ratio Lower Upper

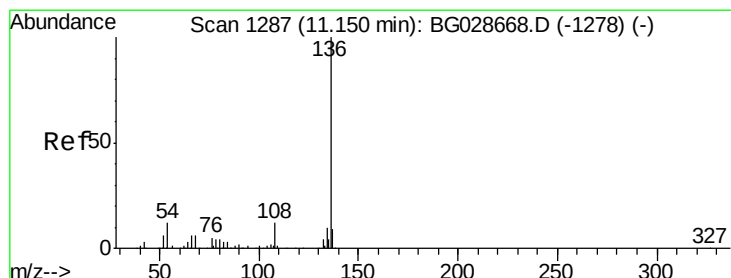
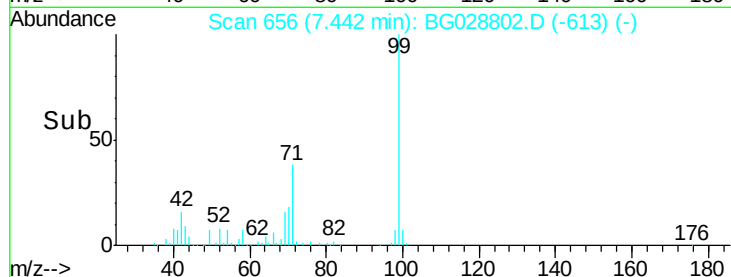
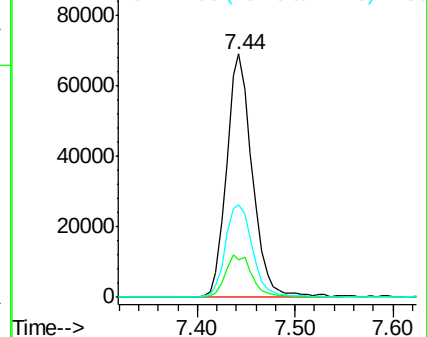
99 100

42 15.7 20.5 30.7#

71 37.9 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: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028802.D

Acq: 18 Sep 2017 19:39

Tgt Ion: 136 Resp: 118569

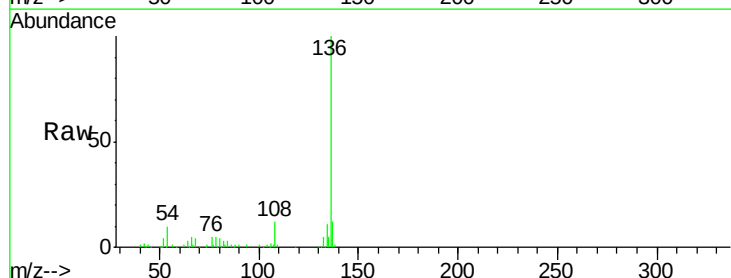
Ion Ratio Lower Upper

136 100

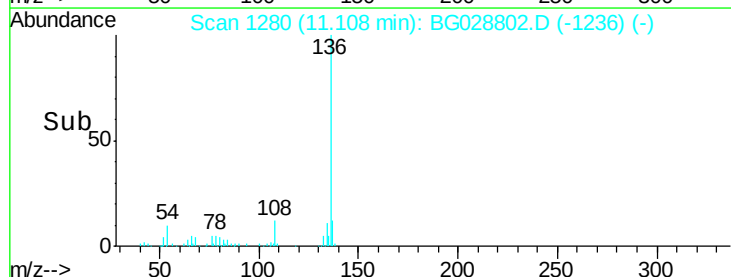
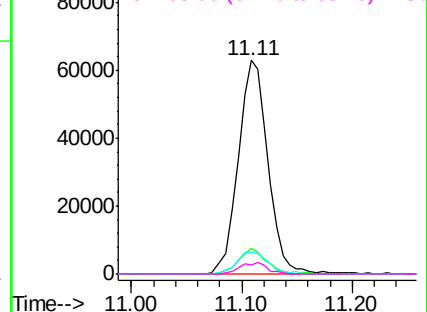
137 12.1 8.9 13.3

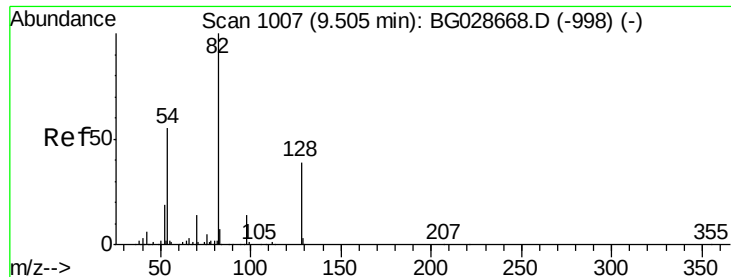
54 10.2 9.3 13.9

68 4.3 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

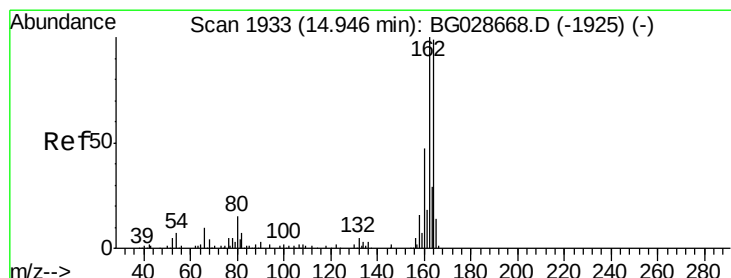
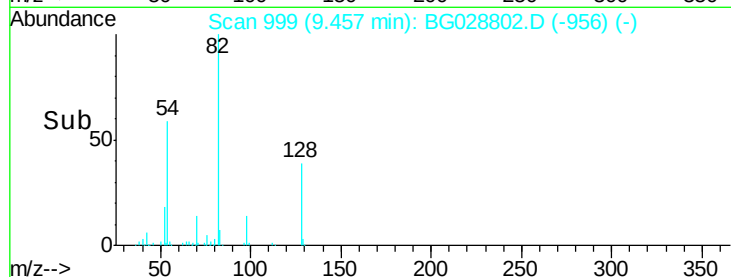
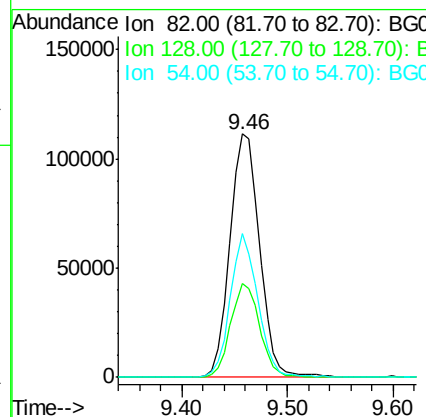
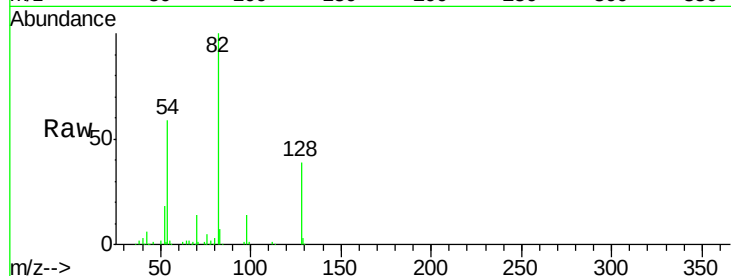




#23  
 Nitrobenzene-d5  
 Concen: 87.35 ng  
 RT: 9.46 min Scan# 999  
 Delta R.T. -0.05 min  
 Lab File: BG028802.D  
 Acq: 18 Sep 2017 19:39

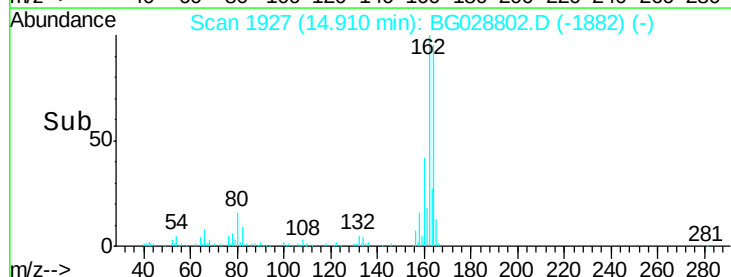
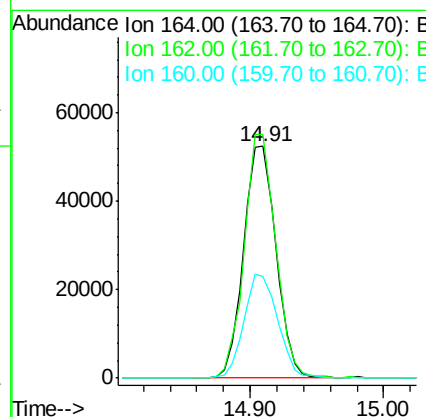
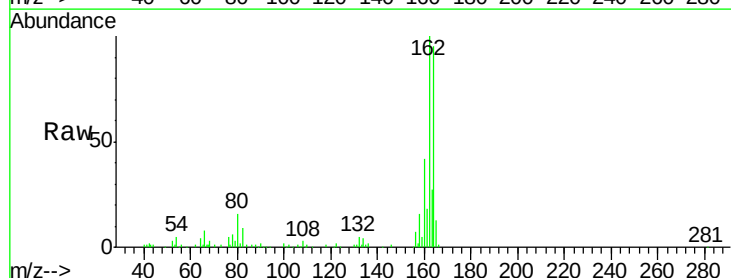
Instrument :  
 BNA\_G  
 ClientSampleId :

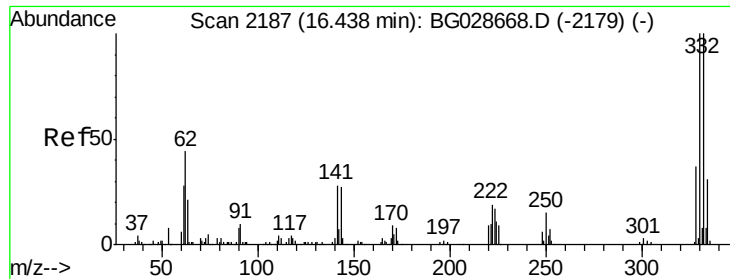
| Tot Ion   | 82    | Resp  | 216506 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.7  | 26.4  | 39.6   |
| 54        | 59.3  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.91 min Scan# 1927  
 Delta R.T. -0.04 min  
 Lab File: BG028802.D  
 Acq: 18 Sep 2017 19:39

| Tgt Ion   | 164   | Resp  | 88309 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.9 | 85.1  | 127.7 |
| 160       | 43.6  | 34.7  | 52.1  |

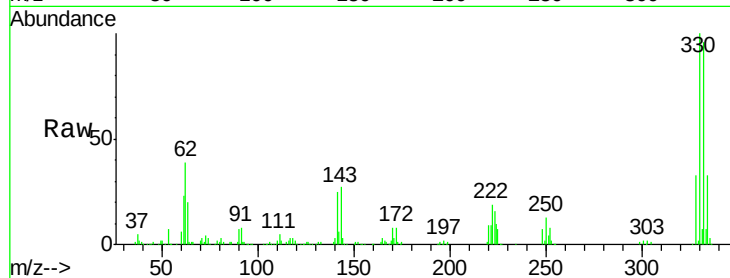




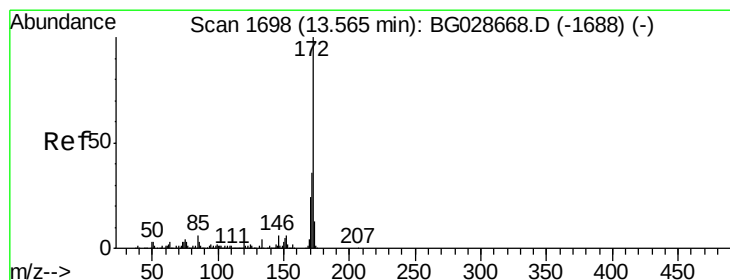
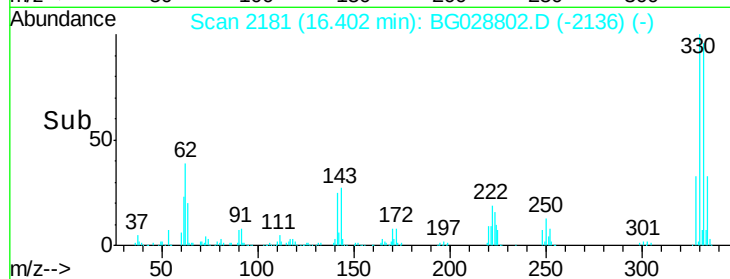
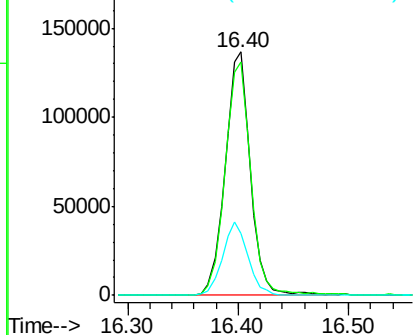
#41  
 2,4,6-Tribromophenol  
 Concen: 149.14 ng  
 RT: 16.40 min Scan# 2181  
 Delta R.T. -0.04 min  
 Lab File: BG028802.D  
 Acq: 18 Sep 2017 19:39

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 77.3  | 115.9 |
| 141     | 30.5  | 32.1  | 48.1# |

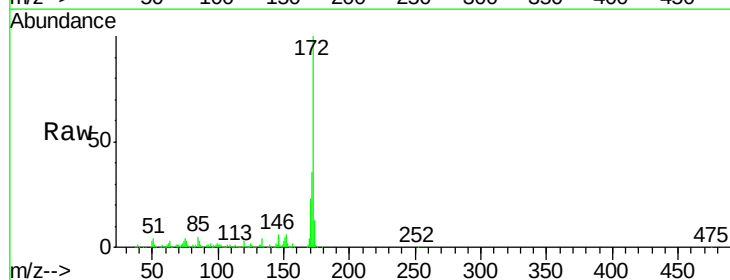


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

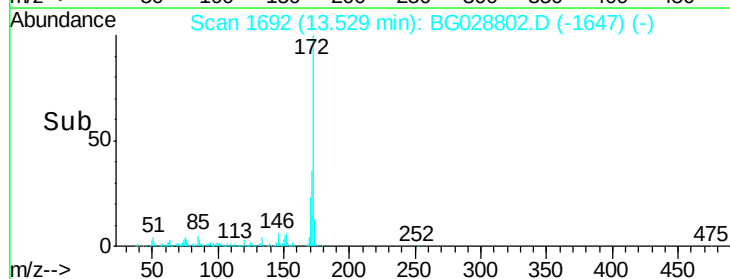
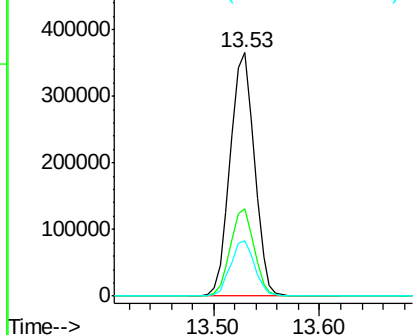


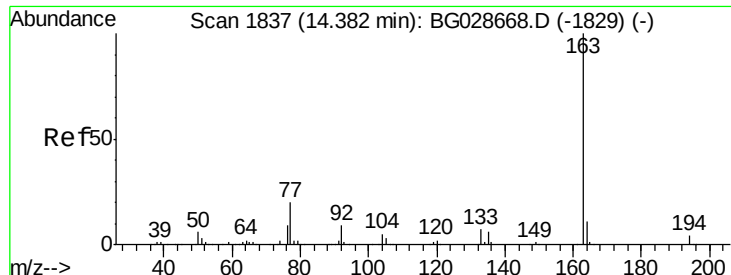
#44  
 2-Fluorobiphenyl  
 Concen: 87.10 ng  
 RT: 13.53 min Scan# 1692  
 Delta R.T. -0.04 min  
 Lab File: BG028802.D  
 Acq: 18 Sep 2017 19:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 32.2  | 48.2  |
| 170     | 22.7  | 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: 2.01 ng

RT: 14.35 min Scan# 1832

Delta R.T. -0.03 min

Lab File: BG028802.D

Acq: 18 Sep 2017 19:39

Instrument :

BNA\_G

ClientSampleId :

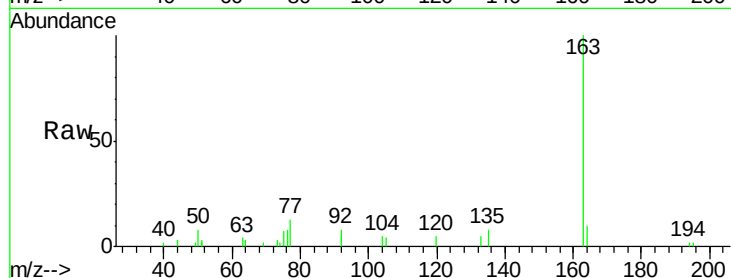
Tot Ion:163 Resp: 14869

Ion Ratio Lower Upper

163 100

194 2.5 3.8 5.6#

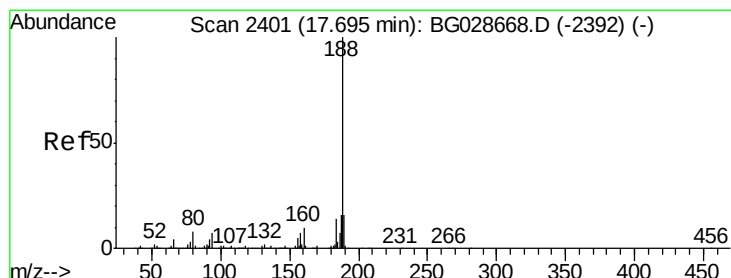
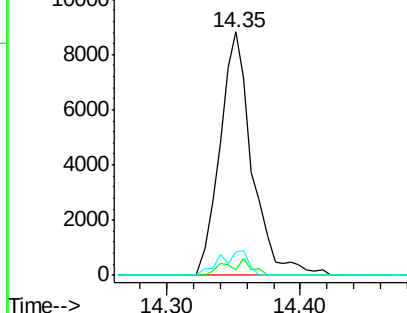
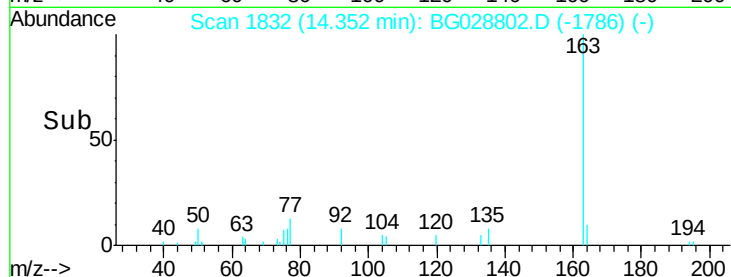
164 9.8 9.3 13.9



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: 17.66 min Scan# 2395

Delta R.T. -0.04 min

Lab File: BG028802.D

Acq: 18 Sep 2017 19:39

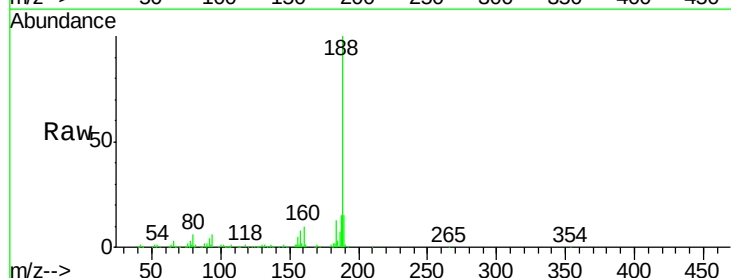
Tgt Ion:188 Resp: 257322

Ion Ratio Lower Upper

188 100

94 6.3 5.8 8.8

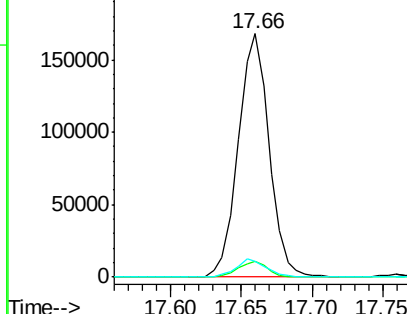
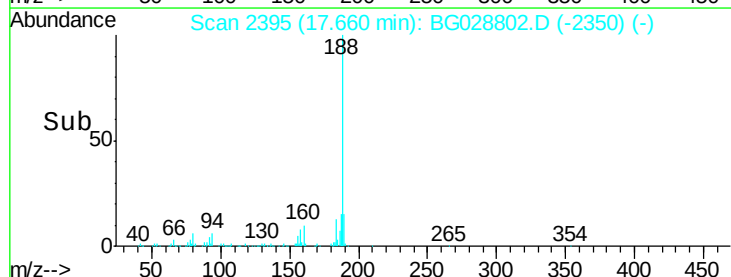
80 6.5 7.5 11.3#

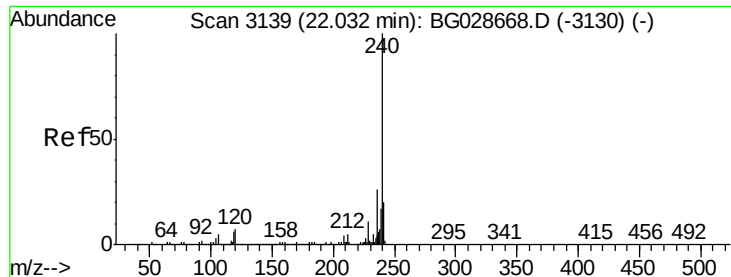


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.98 min Scan# 3131

Delta R.T. -0.05 min

Lab File: BG028802.D

Acq: 18 Sep 2017 19:39

Instrument :

BNA\_G

ClientSampleId :

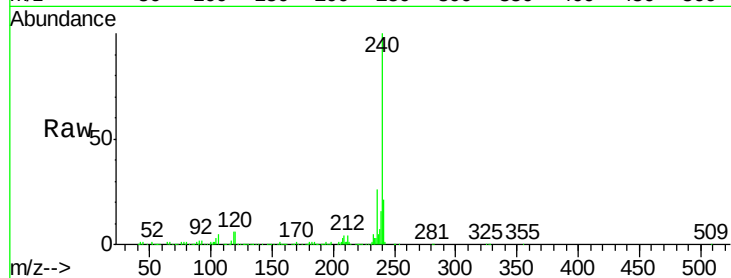
Tot Ion:240 Resp: 285773

Ion Ratio Lower Upper

240 100

120 5.9 5.7 8.5

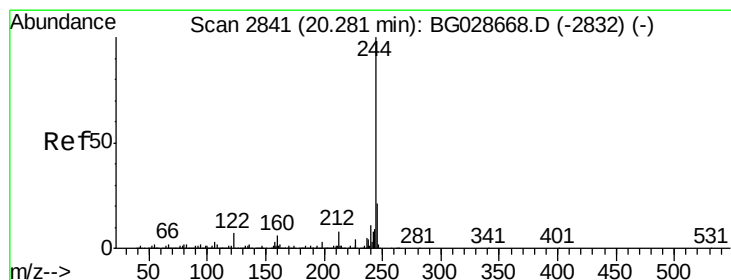
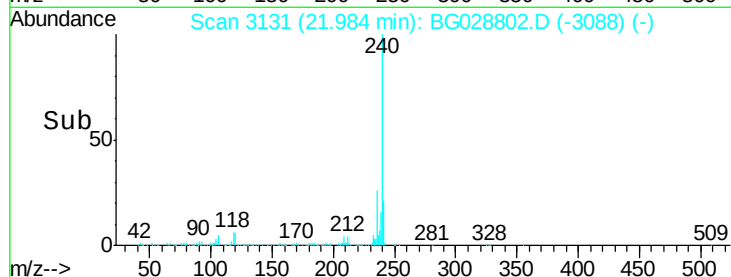
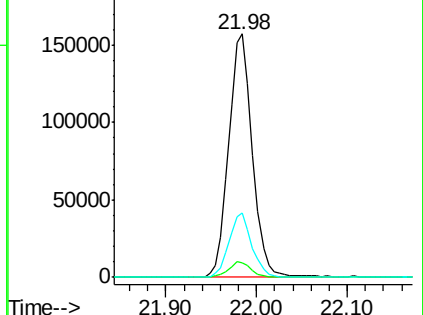
236 26.4 22.2 33.4



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: 84.29 ng

RT: 20.25 min Scan# 2836

Delta R.T. -0.03 min

Lab File: BG028802.D

Acq: 18 Sep 2017 19:39

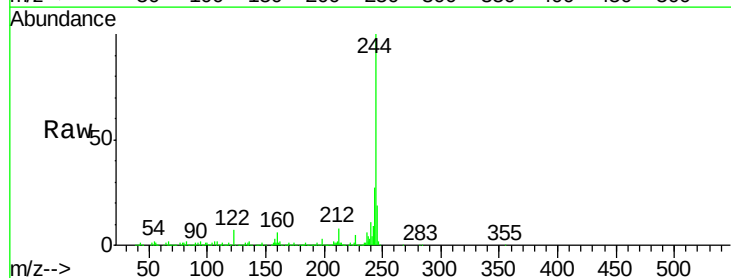
Tgt Ion:244 Resp: 1129517

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

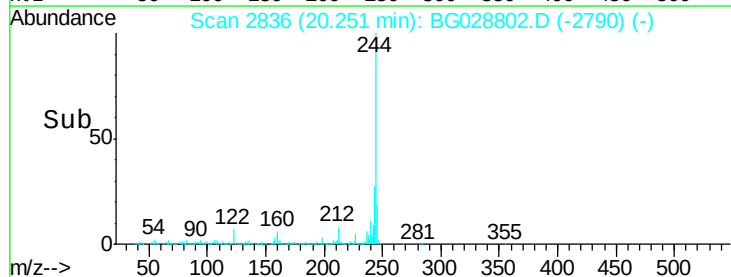
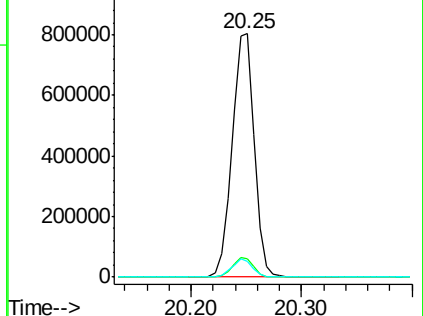
122 6.5 8.6 12.8#



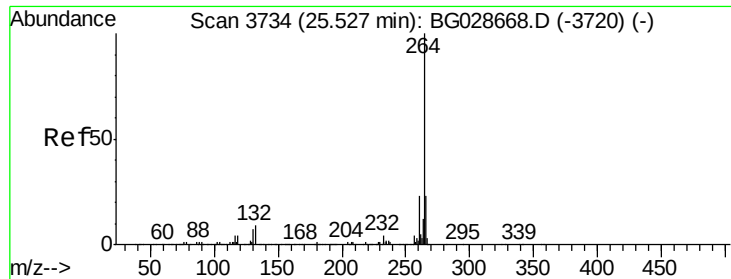
Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.44 min Scan# 3720  
 Delta R.T. -0.08 min  
 Lab File: BG028802.D  
 Acq: 18 Sep 2017 19:39

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.8  | 21.8  | 32.8  |
| 265     | 20.0  | 18.2  | 27.4  |

