

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060716\  
 Data File : BG022220.D  
 Acq On : 8 Jun 2016 1:27  
 Operator : UM/SJ  
 Sample : H3426-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-6

Quant Time: Jun 08 03:13:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 16:12:45 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 21873    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 107335   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.75 | 164  | 72721    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.49 | 188  | 168941   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.76 | 240  | 164106   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.06 | 264  | 161793   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 83318    | 73.65  | ng    | 0.00     |
| 7) Phenol-d6                | 7.27  | 99   | 77429    | 43.53  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 150885   | 98.00  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 122236   | 148.76 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 441426   | 92.51  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.08 | 244  | 730245   | 105.64 | ng    | 0.00     |

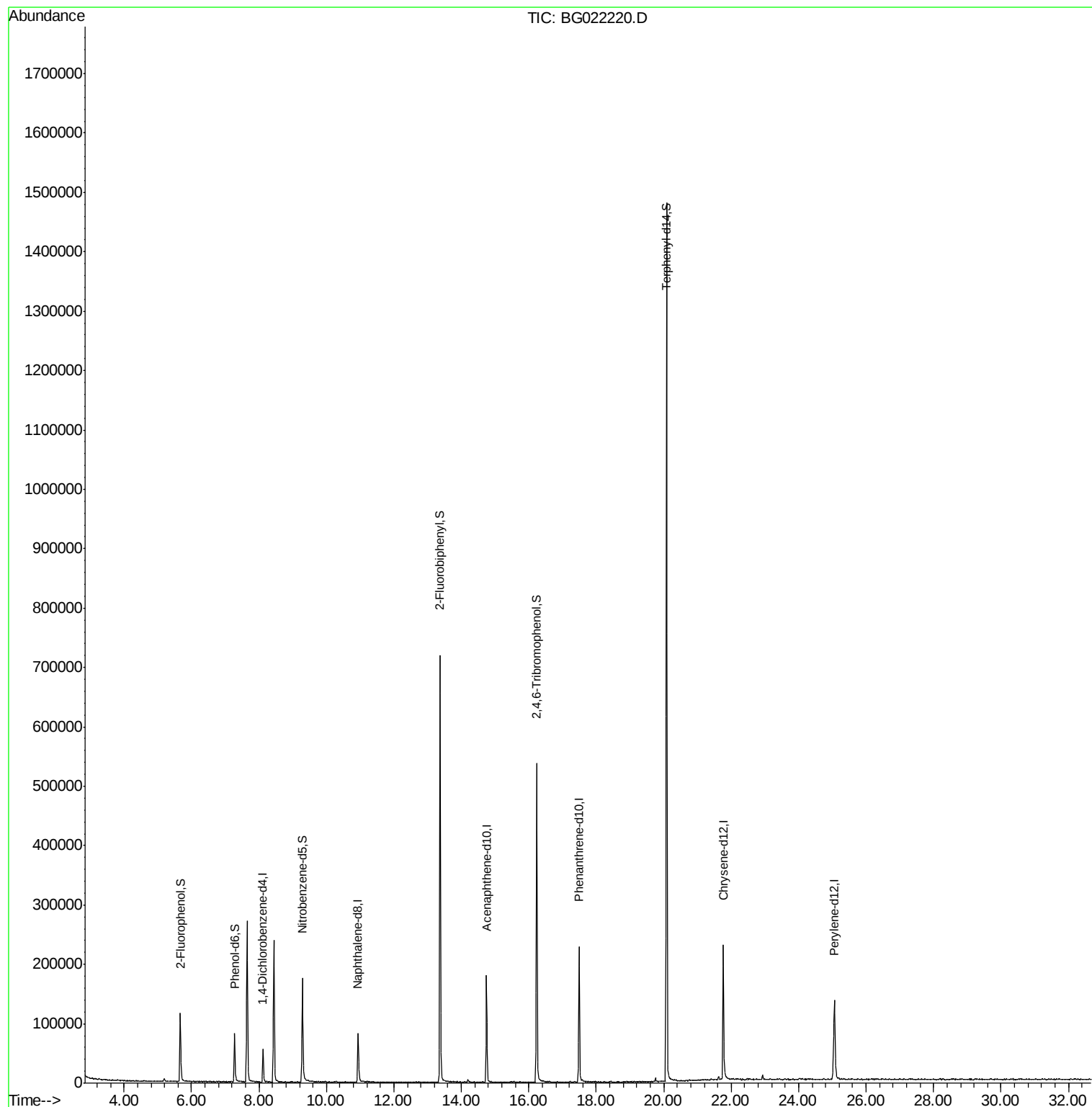
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060716\  
Data File : BG022220.D  
Acq On : 8 Jun 2016 1:27  
Operator : UM/SJ  
Sample : H3426-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
GW-6

Quant Time: Jun 08 03:13:48 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 06 16:12:45 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG022220.D

Acq: 8 Jun 2016 1:27

Instrument :

BNA\_G

ClientSampleId :

GW-6

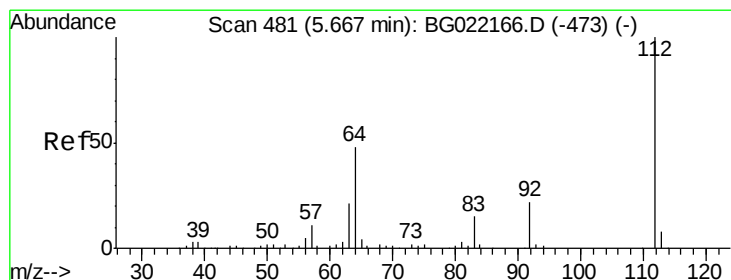
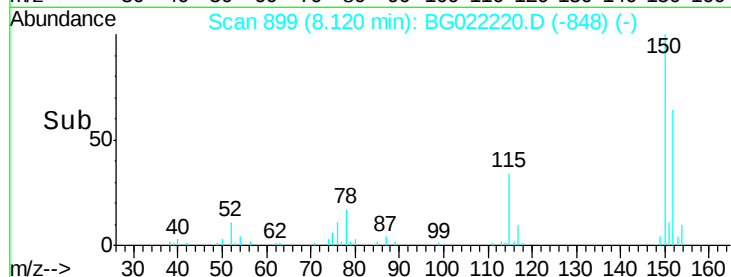
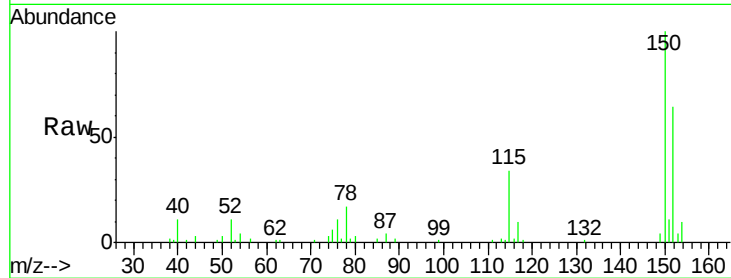
Tgt Ion:152 Resp: 21873

Ion Ratio Lower Upper

152 100

150 156.6 130.1 195.1

115 52.7 62.2 93.2#



#5

2-Fluorophenol

Concen: 73.65 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG022220.D

Acq: 8 Jun 2016 1:27

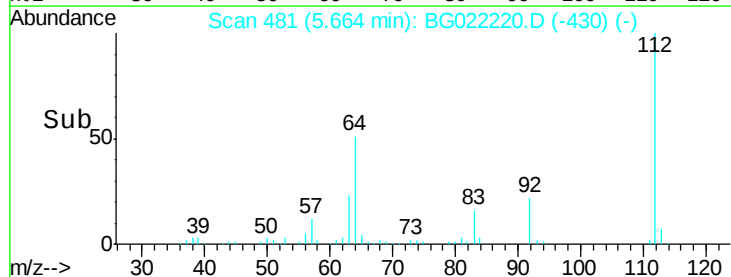
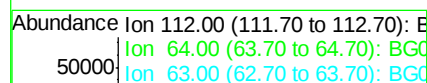
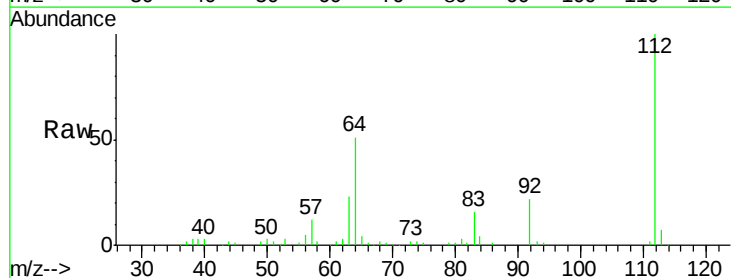
Tgt Ion:112 Resp: 83318

Ion Ratio Lower Upper

112 100

64 51.5 51.1 76.7

63 22.8 24.6 37.0#





#7

Phenol-d6

Concen: 43.53 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022220.D

Acq: 8 Jun 2016 1:27

Instrument :

BNA\_G

ClientSampleId :

GW-6

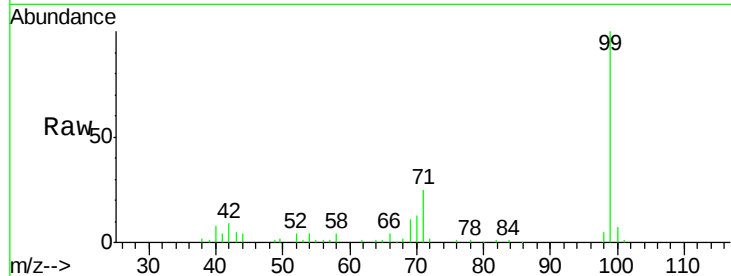
Tgt Ion: 99 Resp: 77429

Ion Ratio Lower Upper

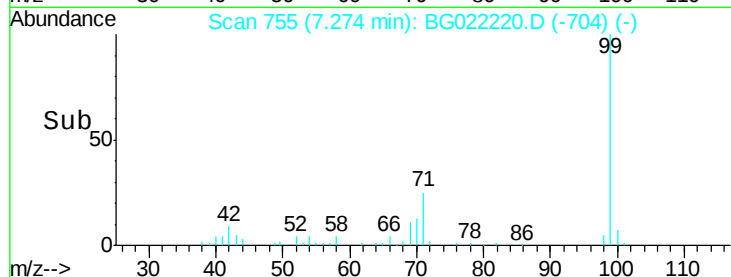
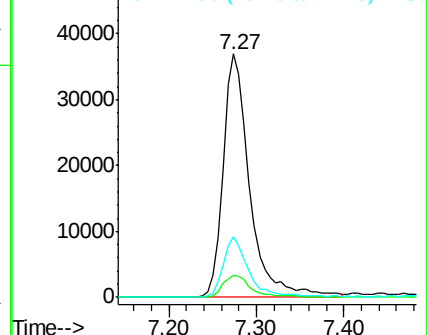
99 100

42 9.1 16.4 24.6#

71 24.8 25.0 37.4#



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: 10.93 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG022220.D

Acq: 8 Jun 2016 1:27

Tgt Ion: 136 Resp: 107335

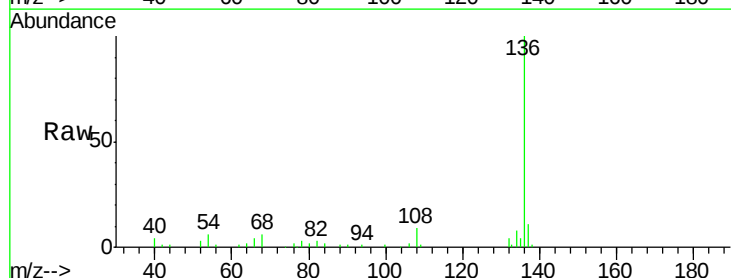
Ion Ratio Lower Upper

136 100

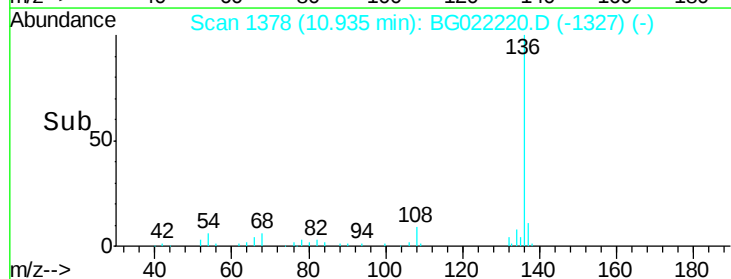
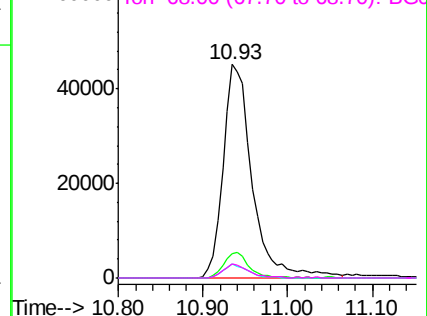
137 11.3 9.0 13.4

54 6.3 9.6 14.4#

68 6.4 6.4 9.6



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

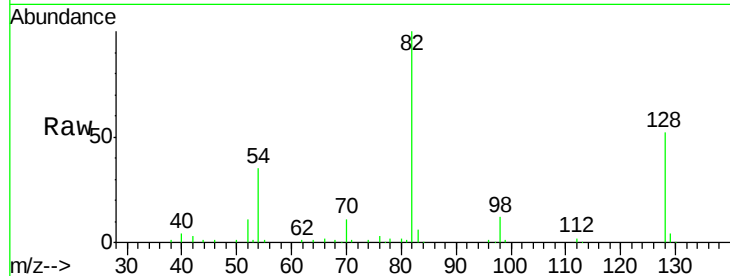




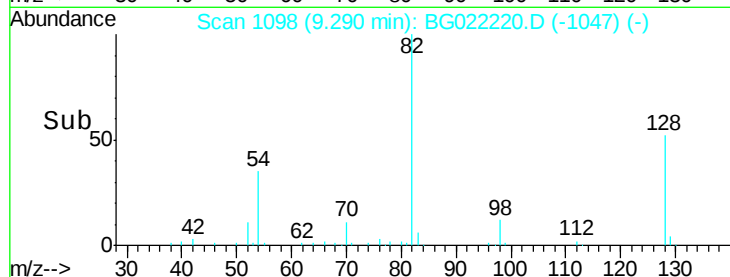
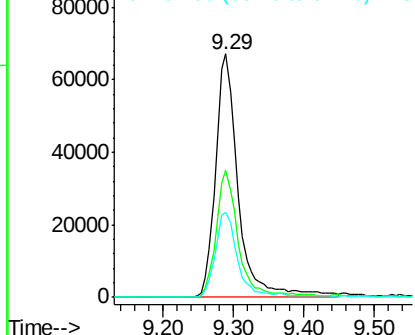
#23  
 Nitrobenzene-d5  
 Concen: 98.00 ng  
 RT: 9.29 min Scan# 1098  
 Delta R.T. -0.00 min  
 Lab File: BG022220.D  
 Acq: 8 Jun 2016 1:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-6

Tgt Ion: 82 Resp: 150885  
 Ion Ratio Lower Upper  
 82 100  
 128 52.1 33.4 50.0#  
 54 34.7 46.1 69.1#

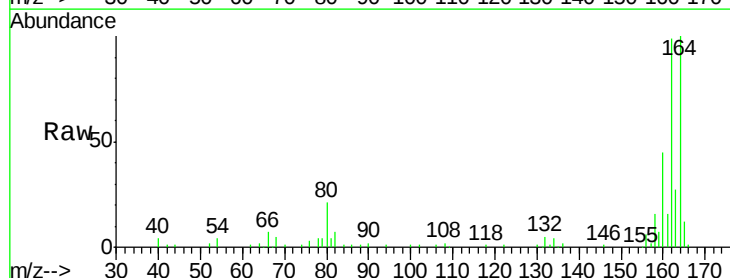


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

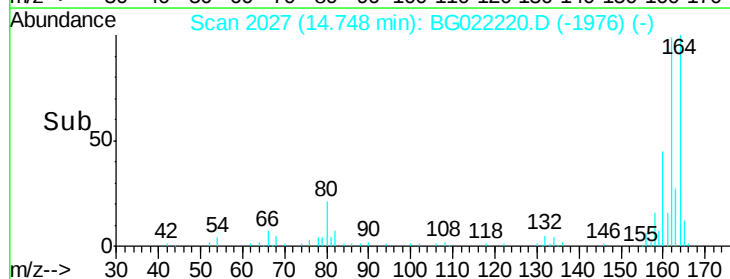
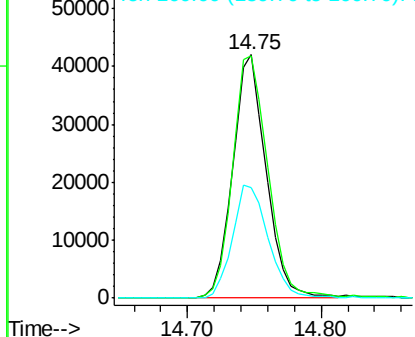


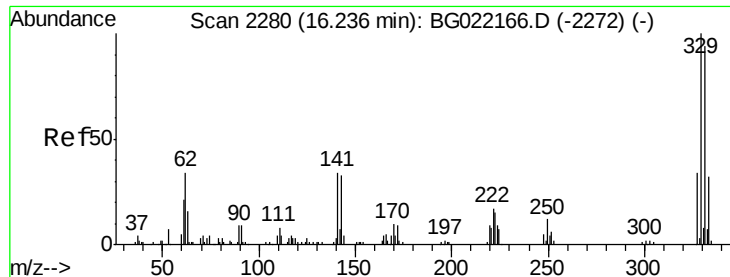
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 2027  
 Delta R.T. -0.00 min  
 Lab File: BG022220.D  
 Acq: 8 Jun 2016 1:27

Tgt Ion: 164 Resp: 72721  
 Ion Ratio Lower Upper  
 164 100  
 162 99.4 78.0 117.0  
 160 45.4 32.9 49.3



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

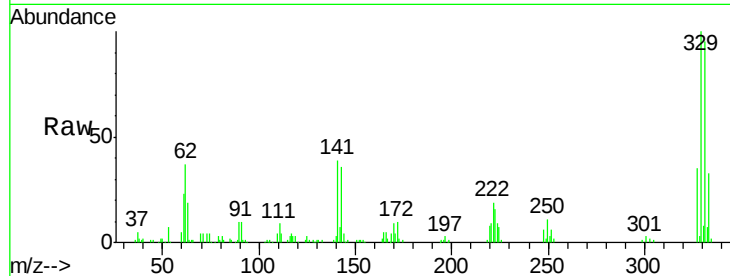




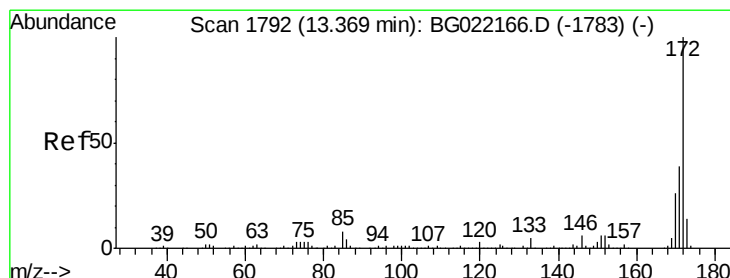
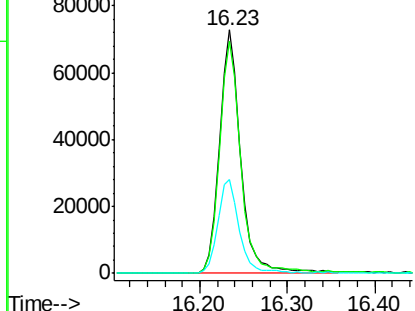
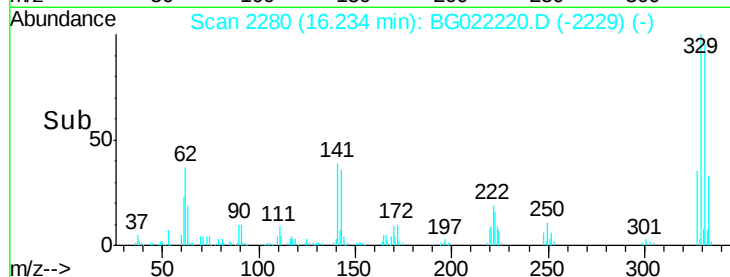
#41  
 2,4,6-Tribromophenol  
 Concen: 148.76 ng  
 RT: 16.23 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BG022220.D  
 Acq: 8 Jun 2016 1:27

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-6

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 122236 |       |       |
| 332     | 95.6  | 78.0   | 117.0 |       |
| 141     | 39.0  | 33.8   | 50.8  |       |

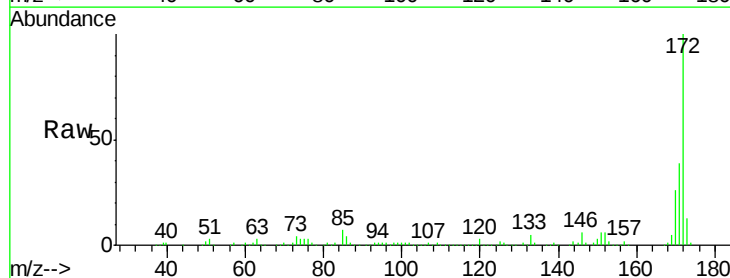


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

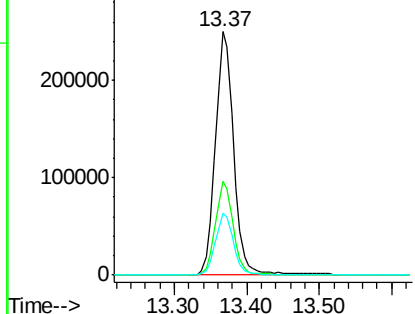
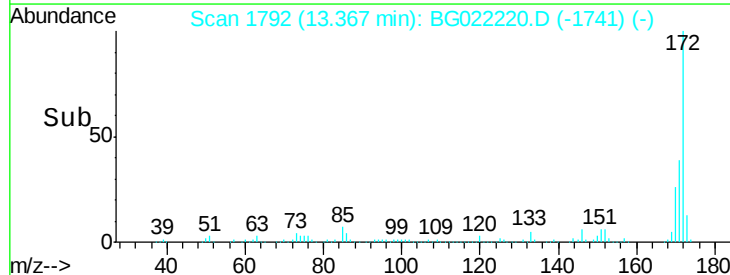


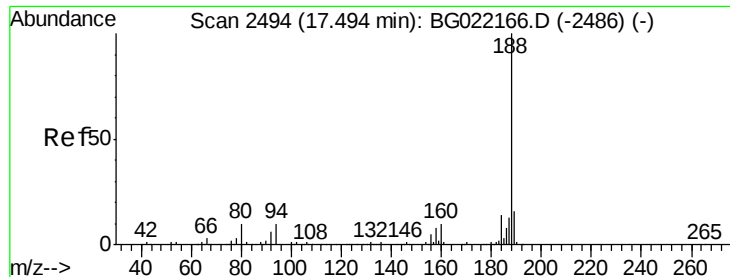
#44  
 2-Fluorobiphenyl  
 Concen: 92.51 ng  
 RT: 13.37 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: BG022220.D  
 Acq: 8 Jun 2016 1:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 441426 |       |       |
| 171     | 38.6  | 27.8   | 41.6  |       |
| 170     | 25.6  | 19.6   | 29.4  |       |



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

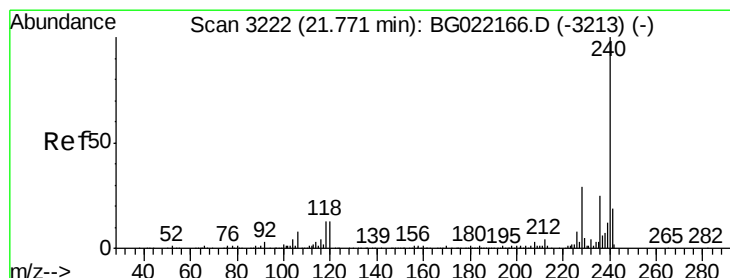
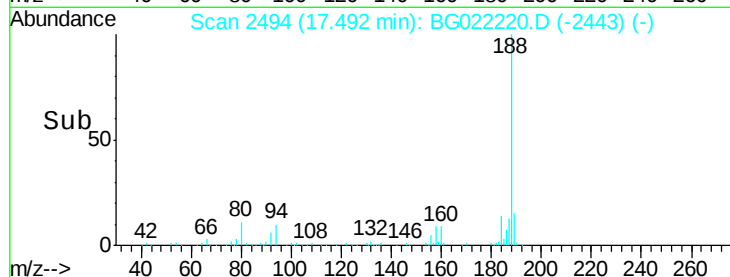
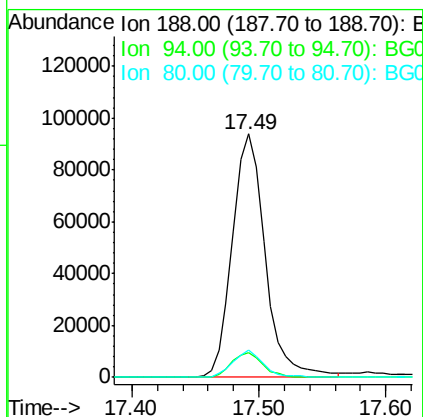
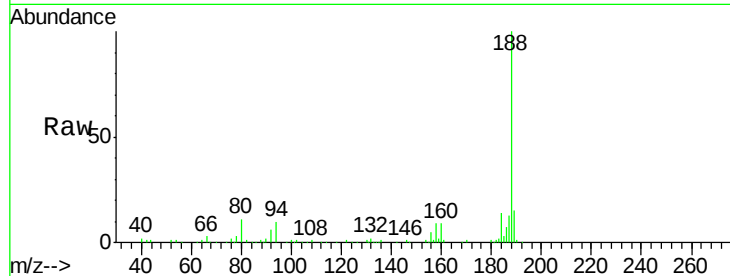




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2494  
Delta R.T. -0.00 min  
Lab File: BG022220.D  
Acq: 8 Jun 2016 1:27

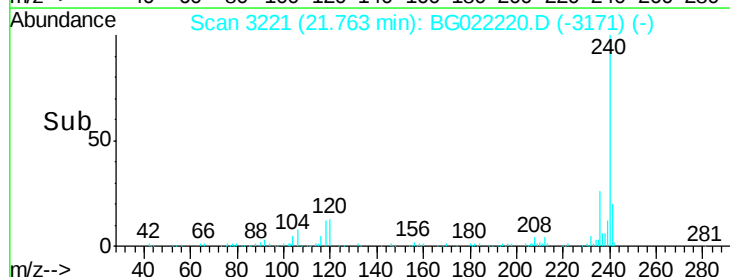
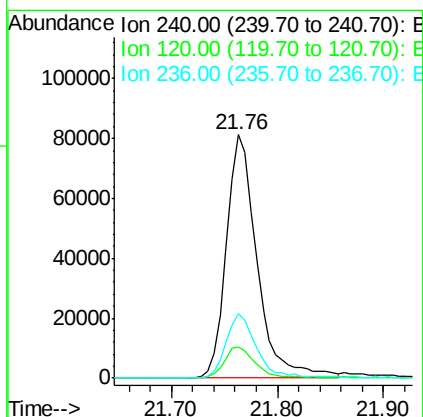
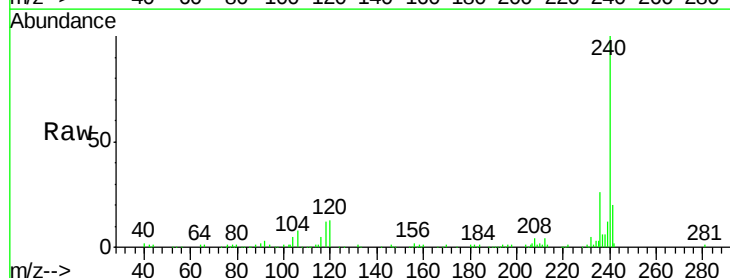
Instrument :  
BNA\_G  
ClientSampleId :  
GW-6

Tgt Ion:188 Resp: 168941  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.5 11.3  
80 11.0 8.6 13.0



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.76 min Scan# 3221  
Delta R.T. -0.01 min  
Lab File: BG022220.D  
Acq: 8 Jun 2016 1:27

Tgt Ion:240 Resp: 164106  
Ion Ratio Lower Upper  
240 100  
120 12.8 8.4 12.6#  
236 26.3 19.6 29.4





#78

Terphenyl-d14

Concen: 105.64 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022220.D

Acq: 8 Jun 2016 1:27

Instrument :

BNA\_G

ClientSampleId :

GW-6

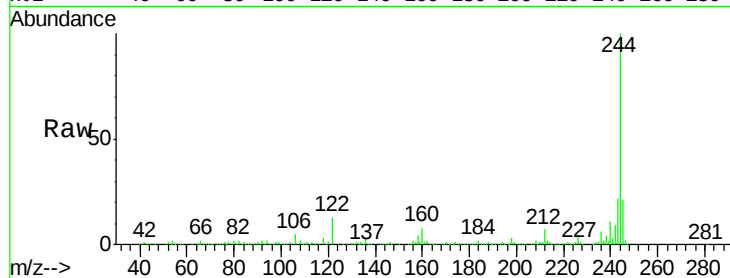
Tgt Ion:244 Resp: 730245

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

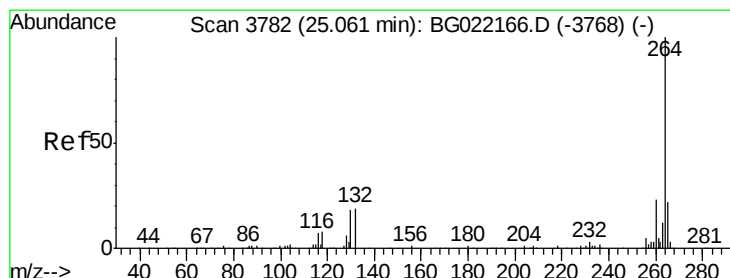
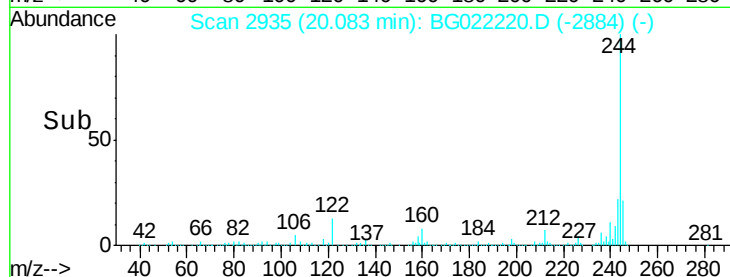
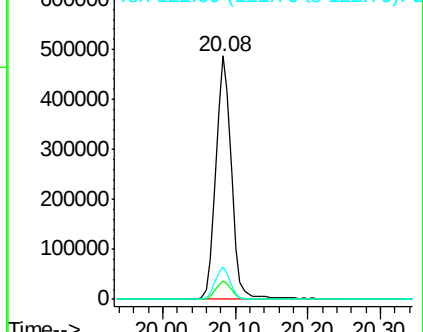
122 13.3 8.6 12.8#



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

Perylene-d12

Concen: 20.00 ng

RT: 25.06 min Scan# 3782

Delta R.T. -0.00 min

Lab File: BG022220.D

Acq: 8 Jun 2016 1:27

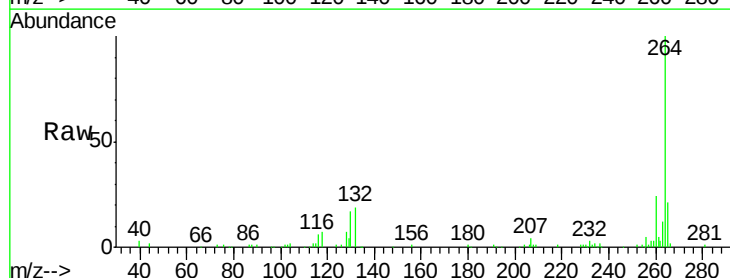
Tgt Ion:264 Resp: 161793

Ion Ratio Lower Upper

264 100

260 23.8 20.2 30.4

265 20.9 17.8 26.8



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

