

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112117\  
 Data File : BG031174.D  
 Acq On : 22 Nov 2017 5:21  
 Operator : SJ/JU  
 Sample : I6539-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 22 06:10:52 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 56202    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.95 | 136  | 242325   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.76 | 164  | 164113   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.50 | 188  | 433773   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 21.77 | 240  | 529397   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 25.07 | 264  | 507763   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 140785   | 42.95 | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 117314   | 26.57 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 371555   | 90.86 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 202116   | 76.13 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 1098990  | 96.22 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 1866587  | 77.85 | ng    | 0.00     |

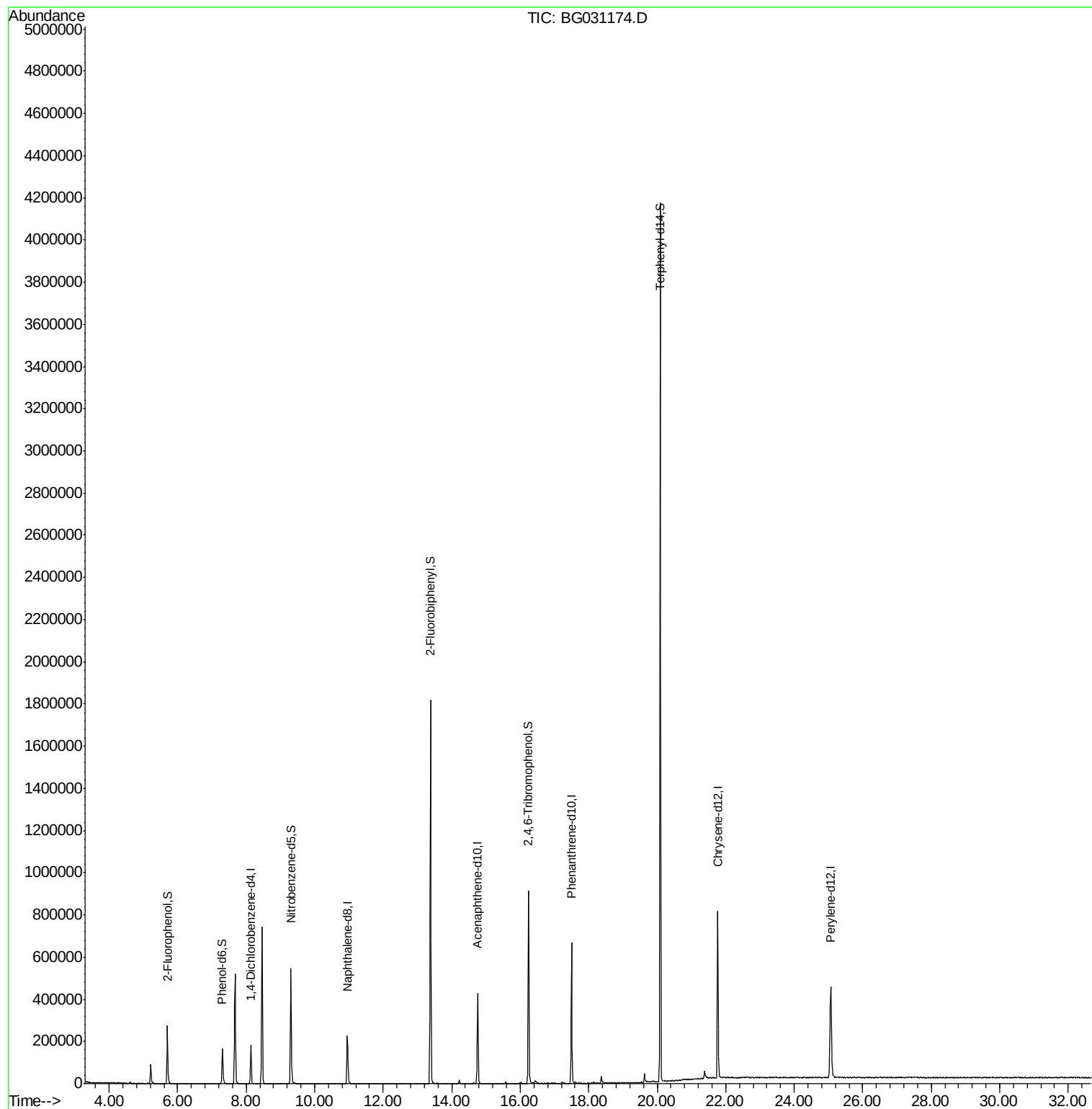
Target Compounds Qvalue

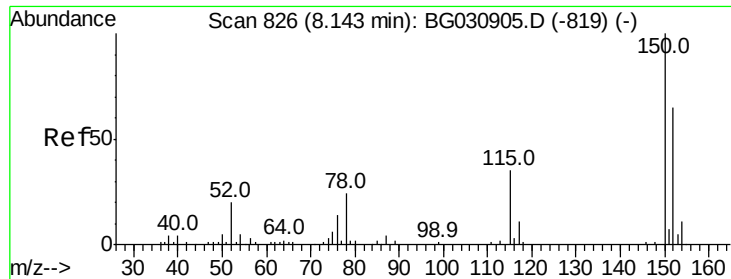
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112117\  
Data File : BG031174.D  
Acq On : 22 Nov 2017 5:21  
Operator : SJ/JU  
Sample : I6539-02  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Nov 22 06:10:52 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 10 15:38:25 2017  
Response via : Initial Calibration



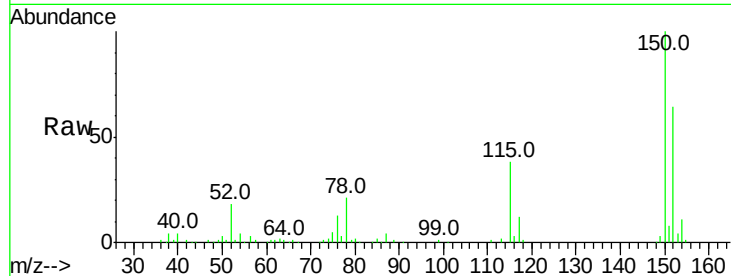


#1

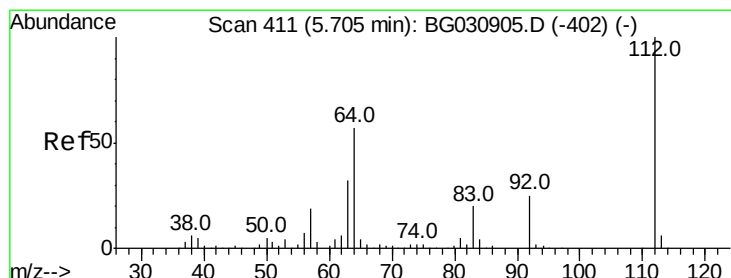
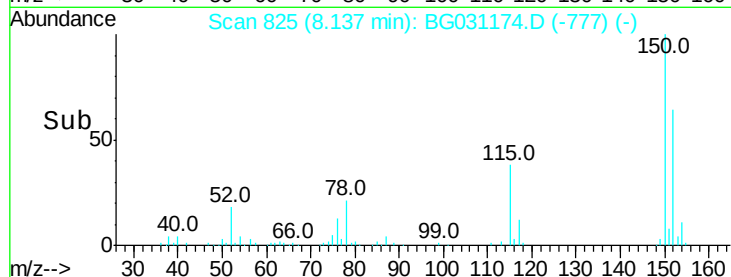
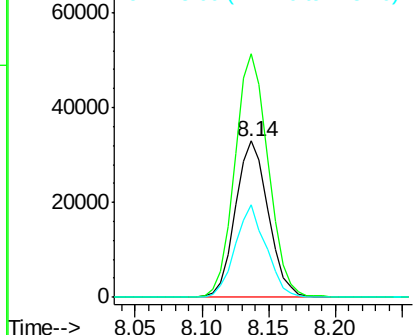
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.14 min Scan# 825  
 Delta R.T. -0.02 min  
 Lab File: BG031174.D  
 Acq: 22 Nov 2017 5:21

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:152 Resp: 56202  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 126.6 189.8  
 115 59.3 53.0 79.4



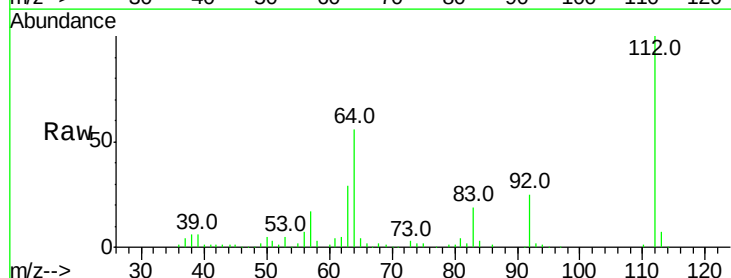
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



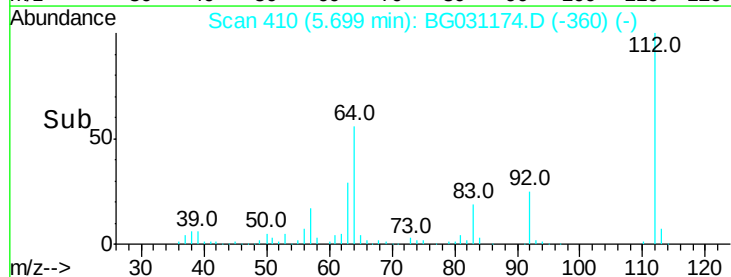
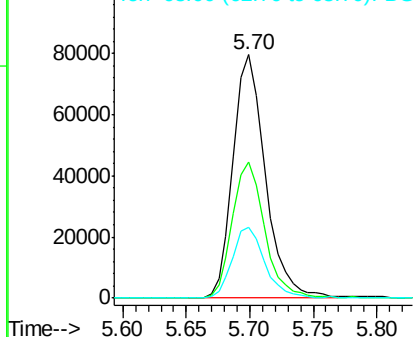
#5

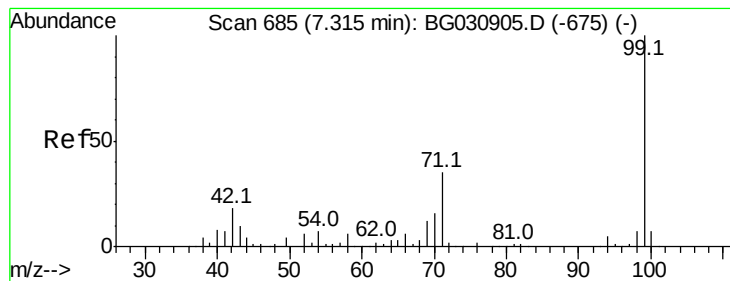
2-Fluorophenol  
 Concen: 42.954 ng  
 RT: 5.70 min Scan# 410  
 Delta R.T. -0.01 min  
 Lab File: BG031174.D  
 Acq: 22 Nov 2017 5:21

Tgt Ion:112 Resp: 140785  
 Ion Ratio Lower Upper  
 112 100  
 64 56.0 56.3 84.5#  
 63 29.1 30.1 45.1#



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: 26.568 ng

RT: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG031174.D

Acq: 22 Nov 2017 5:21

Instrument :

BNA\_G

ClientSampleId :

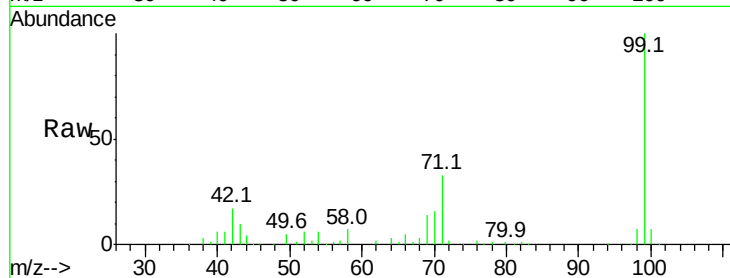
Tot Ion: 99 Resp: 117314

Ion Ratio Lower Upper

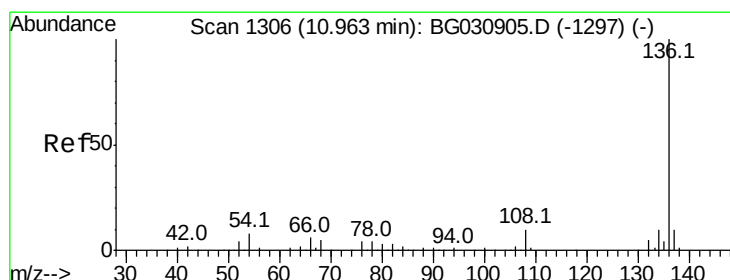
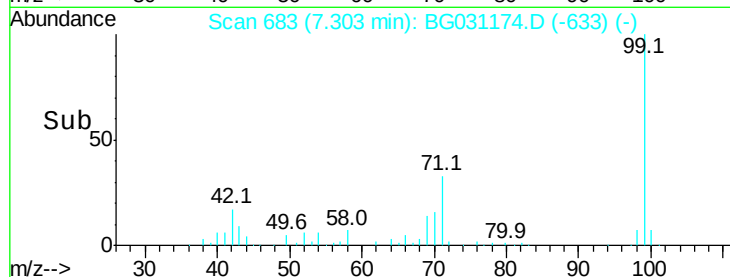
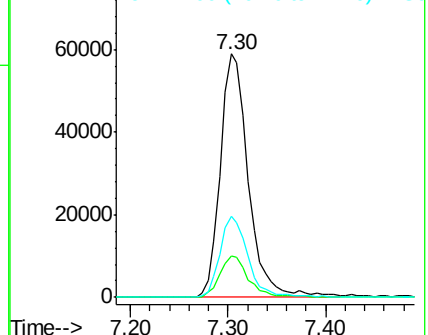
99 100

42 16.8 14.1 21.1

71 33.4 26.1 39.1



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: 10.95 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BG031174.D

Acq: 22 Nov 2017 5:21

Tgt Ion: 136 Resp: 242325

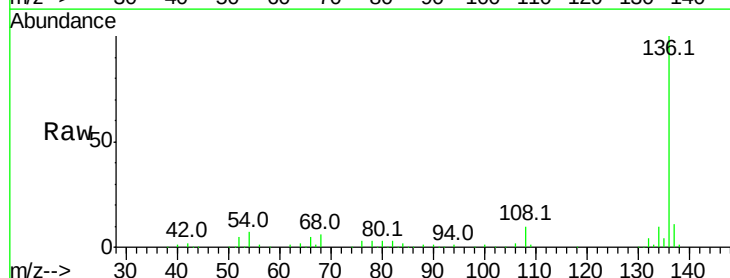
Ion Ratio Lower Upper

136 100

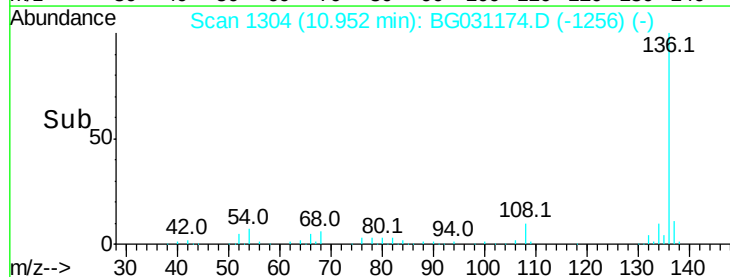
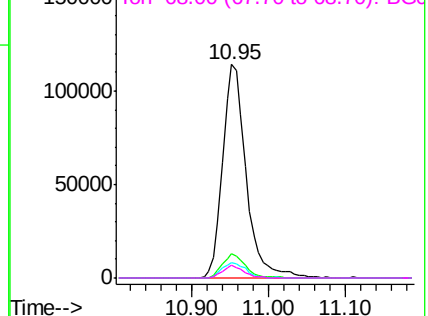
137 11.3 9.2 13.8

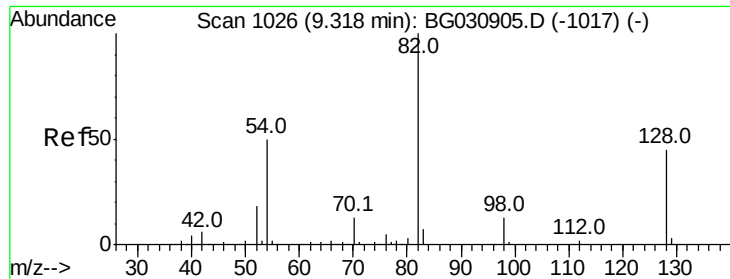
54 7.4 10.3 15.5#

68 5.8 4.5 6.7



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

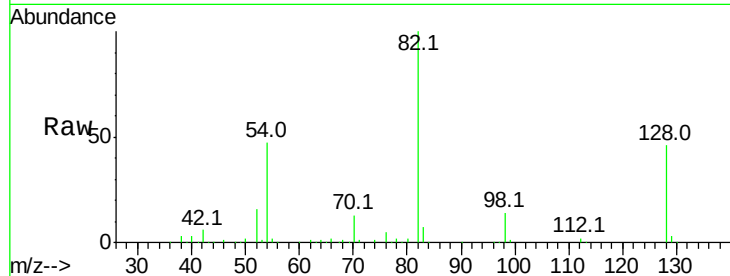




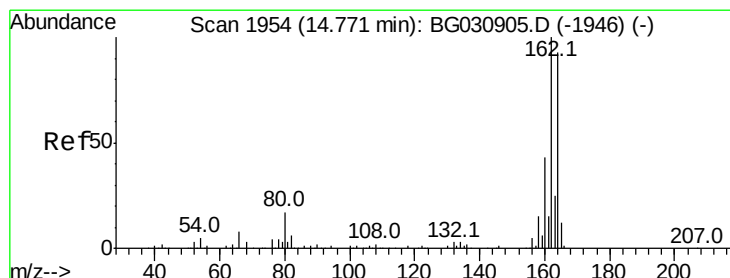
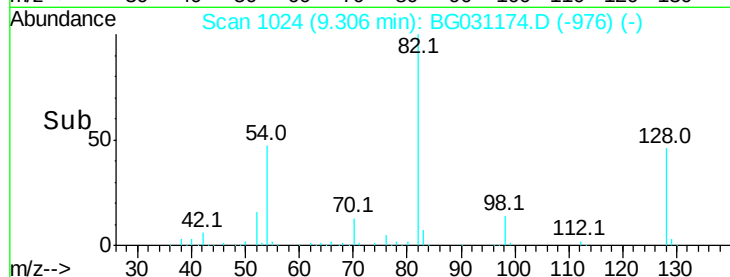
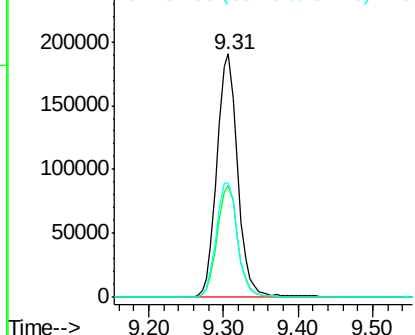
#23  
 Nitrobenzene-d5  
 Concen: 90.857 ng  
 RT: 9.31 min Scan# 1024  
 Delta R.T. -0.02 min  
 Lab File: BG031174.D  
 Acq: 22 Nov 2017 5:21

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 82 Resp: 371555  
 Ion Ratio Lower Upper  
 82 100  
 128 45.9 29.7 44.5#  
 54 47.0 43.1 64.7

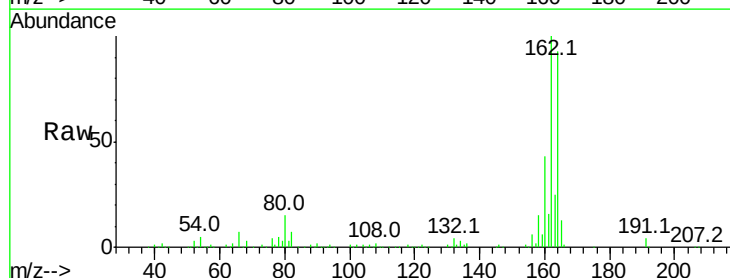


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

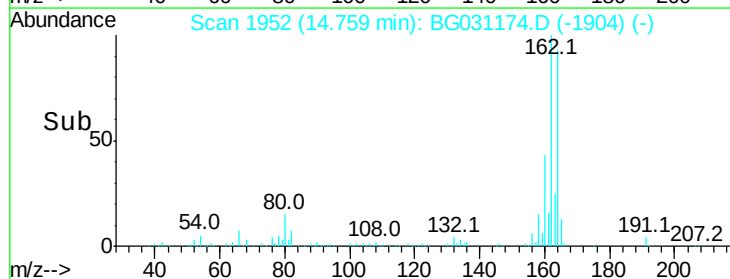
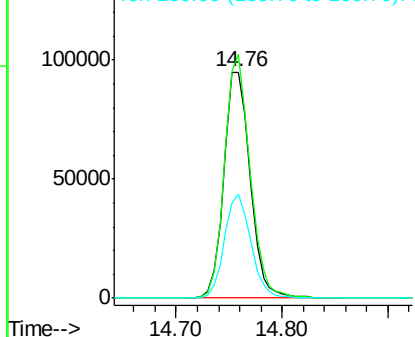


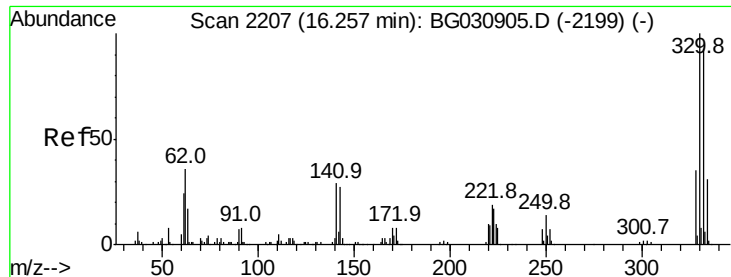
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.76 min Scan# 1952  
 Delta R.T. -0.02 min  
 Lab File: BG031174.D  
 Acq: 22 Nov 2017 5:21

Tgt Ion:164 Resp: 164113  
 Ion Ratio Lower Upper  
 164 100  
 162 107.8 78.8 118.2  
 160 45.9 35.4 53.0



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

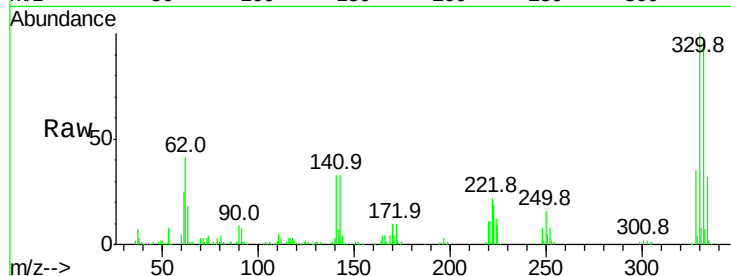




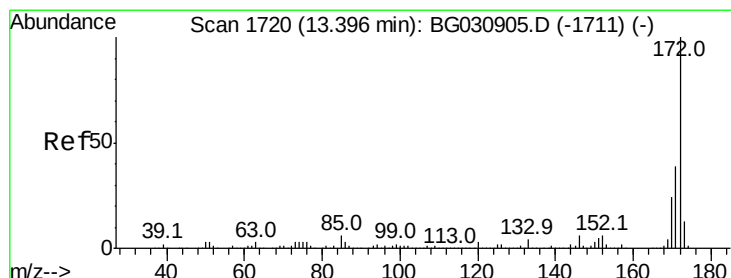
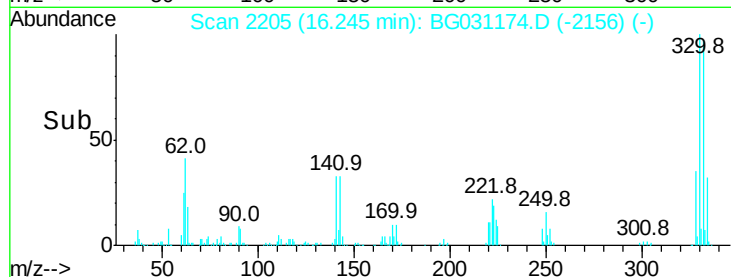
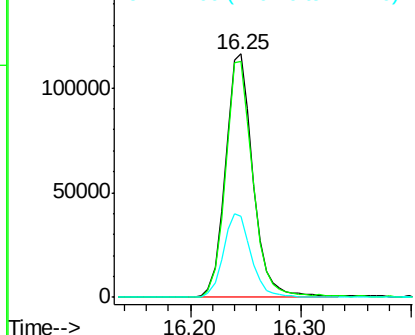
#41  
 2,4,6-Tribromophenol  
 Concen: 76.132 ng  
 RT: 16.25 min Scan# 2205  
 Delta R.T. -0.01 min  
 Lab File: BG031174.D  
 Acq: 22 Nov 2017 5:21

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.0  | 115.6 |
| 141     | 34.9  | 25.2  | 37.8  |

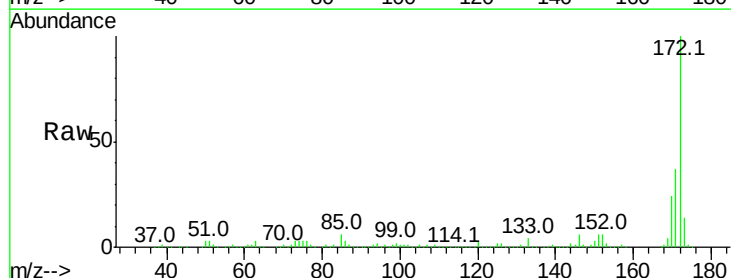


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

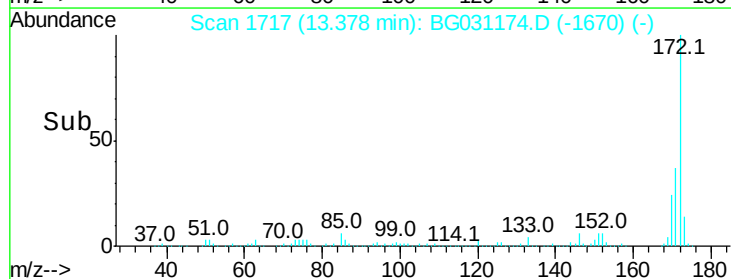
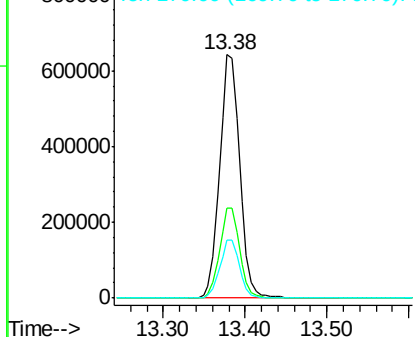


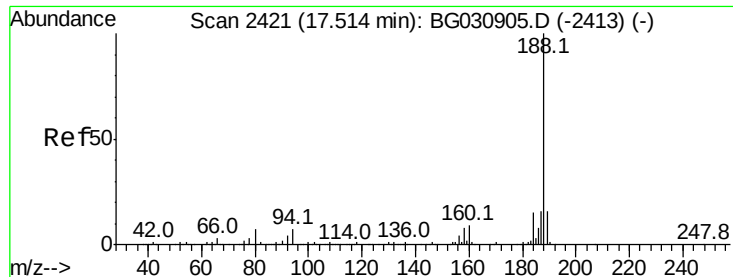
#44  
 2-Fluorobiphenyl  
 Concen: 96.222 ng  
 RT: 13.38 min Scan# 1717  
 Delta R.T. -0.02 min  
 Lab File: BG031174.D  
 Acq: 22 Nov 2017 5:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 30.0  | 45.0  |
| 170     | 23.9  | 19.5  | 29.3  |



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

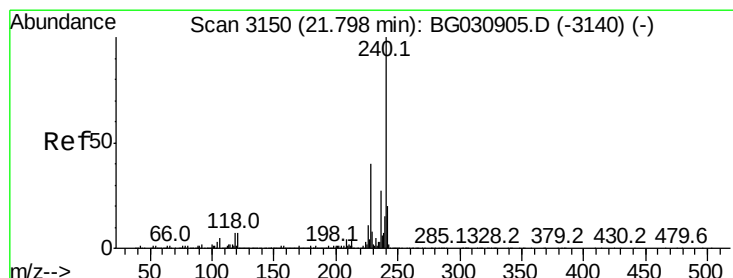
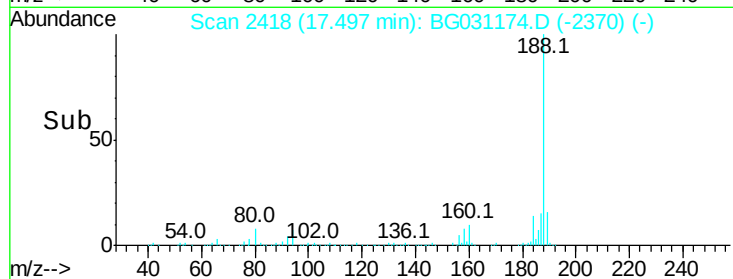
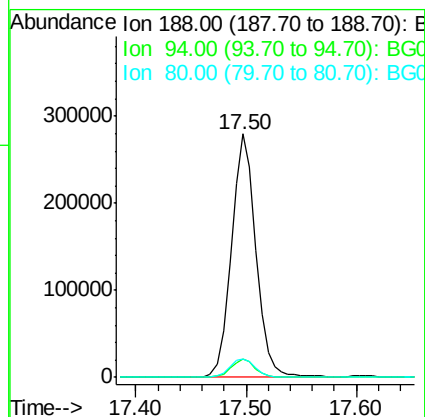
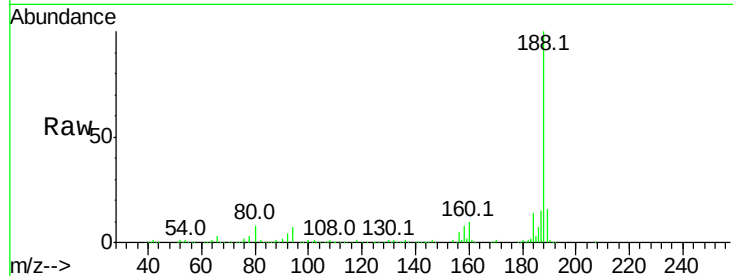




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.50 min Scan# 2418  
 Delta R.T. -0.02 min  
 Lab File: BG031174.D  
 Acq: 22 Nov 2017 5:21

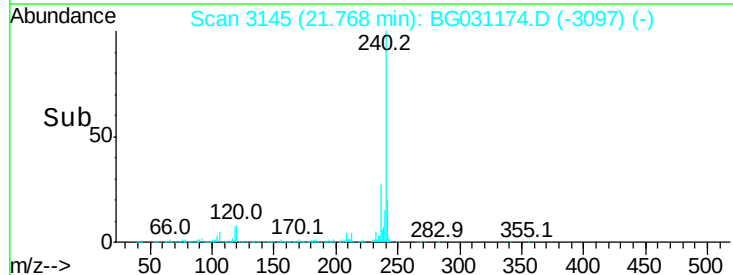
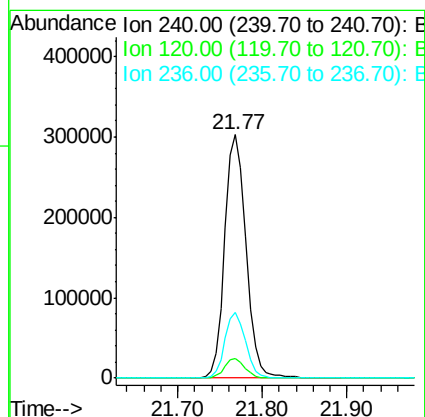
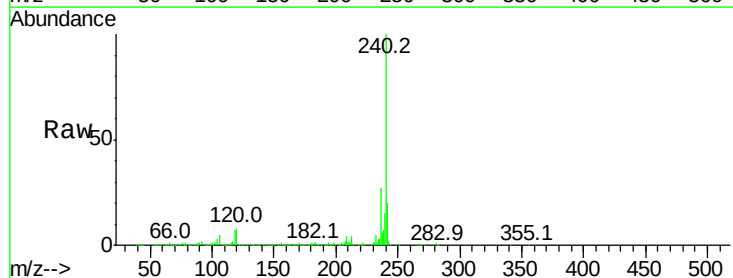
Instrument :  
 BNA\_G  
 ClientSampleId :

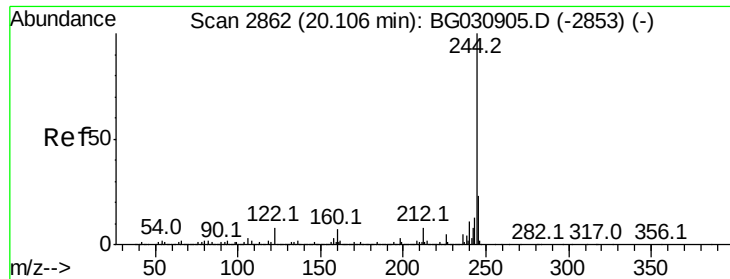
Tot Ion:188 Resp: 433773  
 Ion Ratio Lower Upper  
 188 100  
 94 7.3 6.9 10.3  
 80 7.5 7.7 11.5#



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.77 min Scan# 3145  
 Delta R.T. -0.02 min  
 Lab File: BG031174.D  
 Acq: 22 Nov 2017 5:21

Tgt Ion:240 Resp: 529397  
 Ion Ratio Lower Upper  
 240 100  
 120 7.9 6.8 10.2  
 236 27.1 20.9 31.3





#78

Terphenyl-d14

Concen: 77.854 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG031174.D

Acq: 22 Nov 2017 5:21

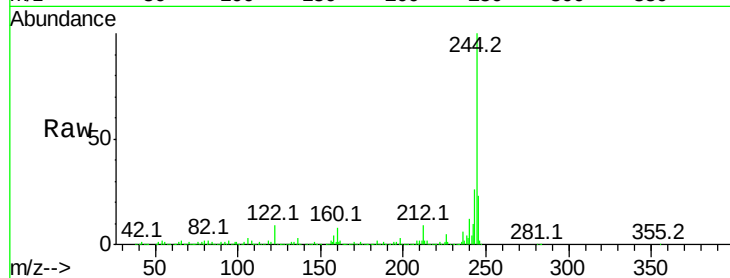
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:244 Resp: 1866587

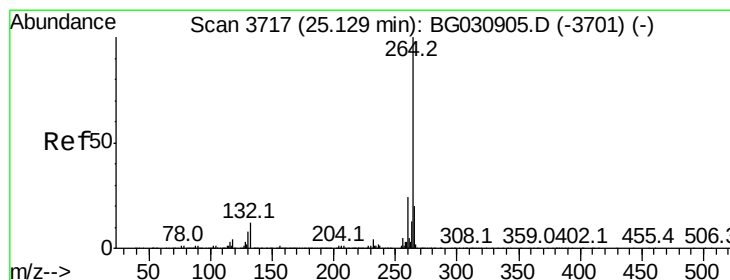
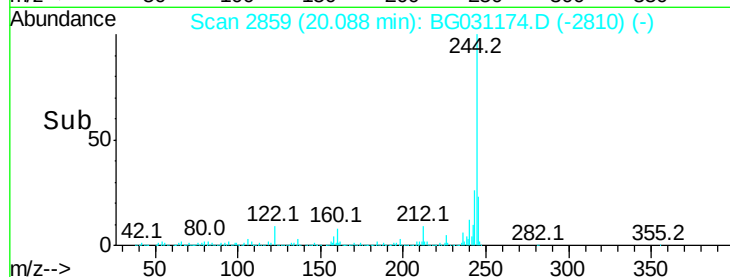
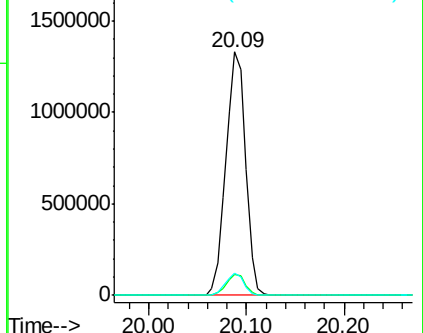
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.6   | 5.8   | 8.8   |
| 122 | 9.0   | 7.0   | 10.4  |



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: 25.07 min Scan# 3707

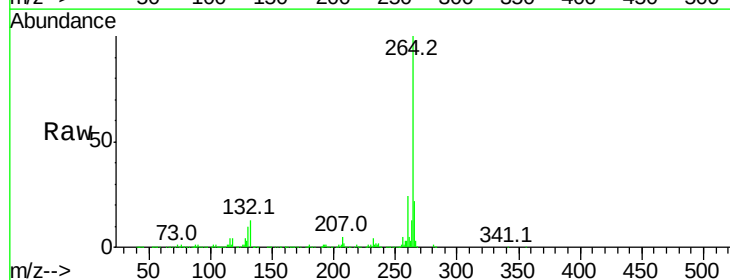
Delta R.T. -0.02 min

Lab File: BG031174.D

Acq: 22 Nov 2017 5:21

Tgt Ion:264 Resp: 507763

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 17.4  | 26.0  |
| 265 | 21.9  | 17.7  | 26.5  |



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

