

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\  
 Data File : BG027218.D  
 Acq On : 5 Jun 2017 18:35  
 Operator : SJ/MA  
 Sample : PB99457BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB99457BL

Quant Time: Jun 06 04:03:06 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.57  | 152  | 44680    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.39 | 136  | 207215   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.15 | 164  | 139424   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.90 | 188  | 376677   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 22.30 | 240  | 443749   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 26.01 | 264  | 417871   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.15  | 112  | 441673   | 150.85 | ng    | 0.00     |
| 7) Phenol-d6                | 7.70  | 99   | 609296   | 141.76 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.74  | 82   | 303619   | 92.15  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.63 | 330  | 277169   | 150.97 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.78 | 172  | 868608   | 87.16  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.49 | 244  | 1589518  | 91.38  | ng    | 0.00     |

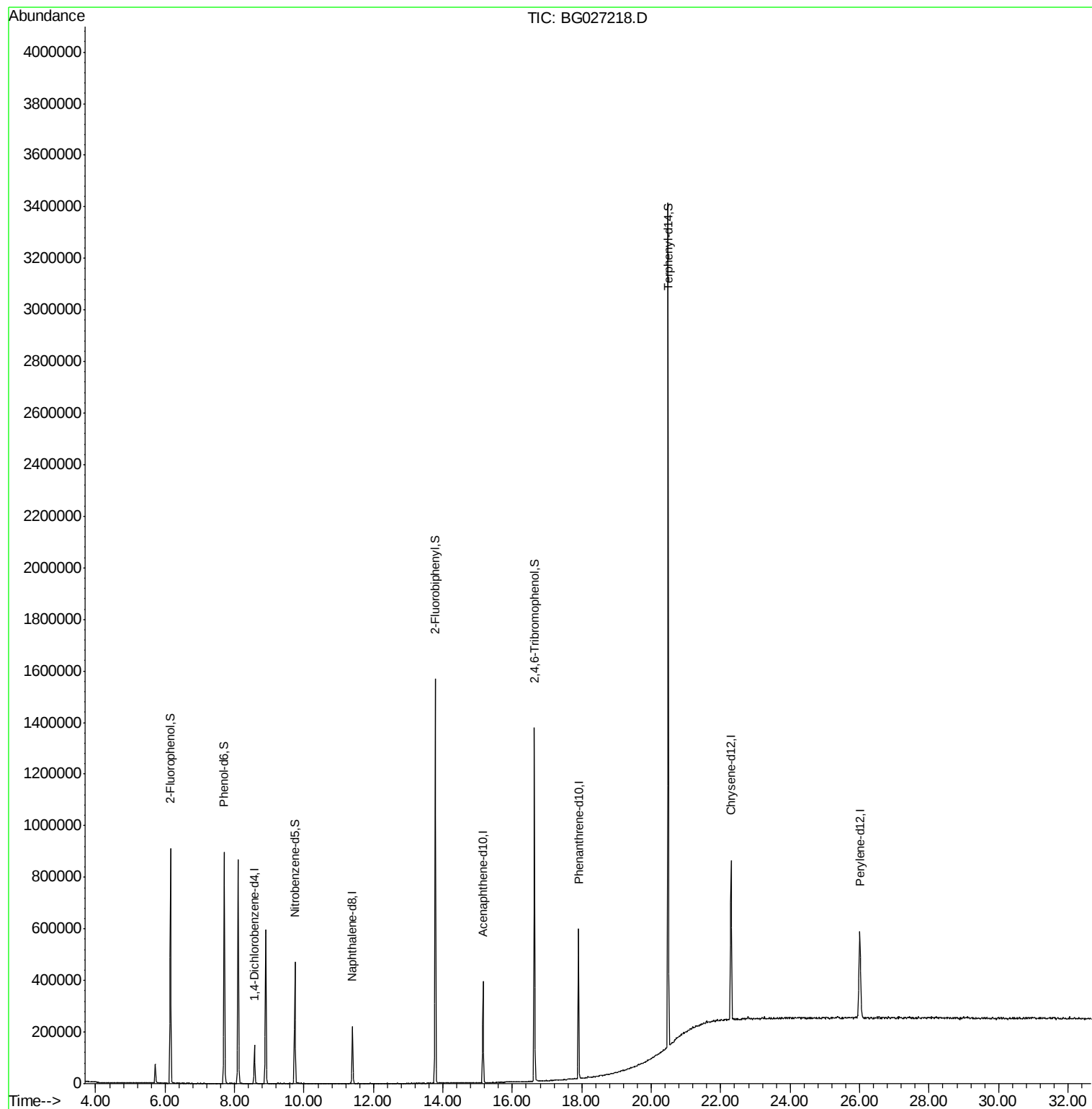
Target Compounds Qvalue

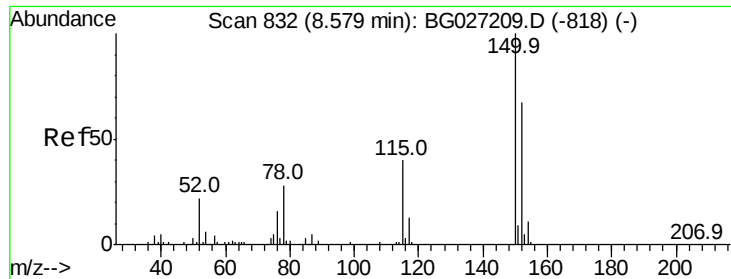
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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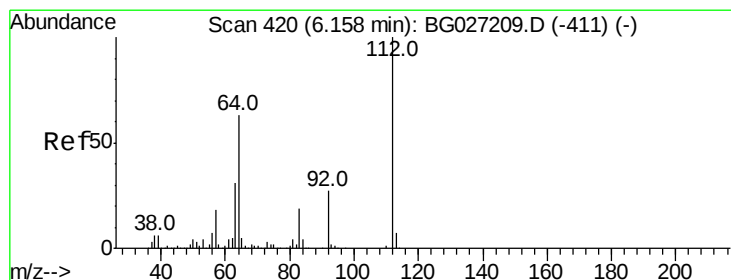
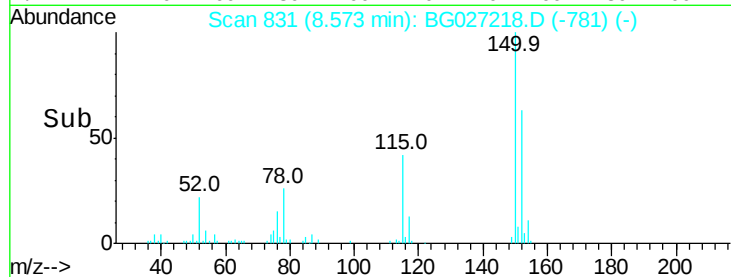
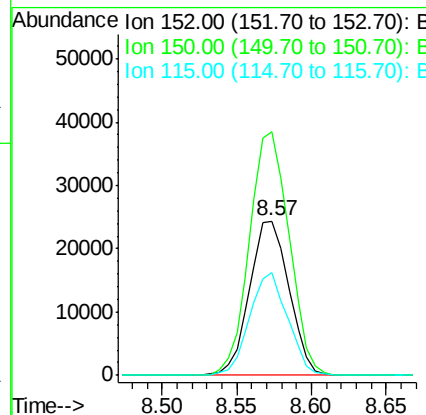
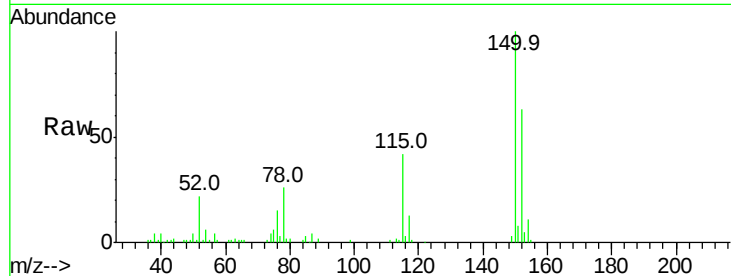


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.57 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BG027218.D  
Acq: 5 Jun 2017 18:35

Instrument :  
BNA\_G  
ClientSampleId :  
PB99457BL

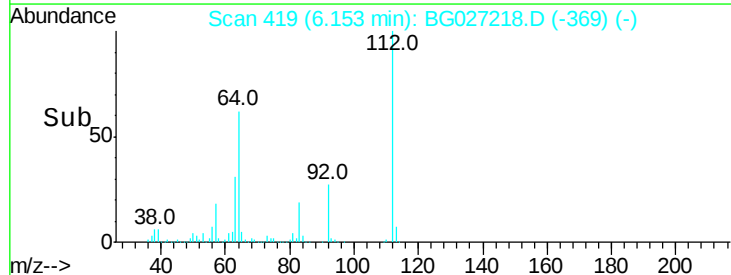
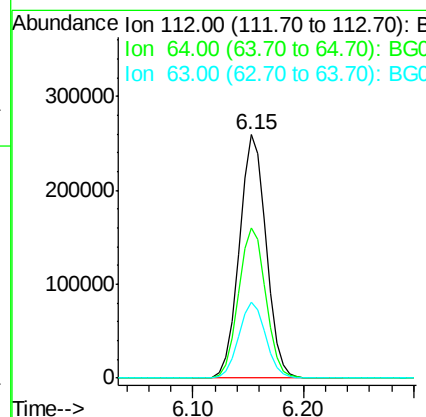
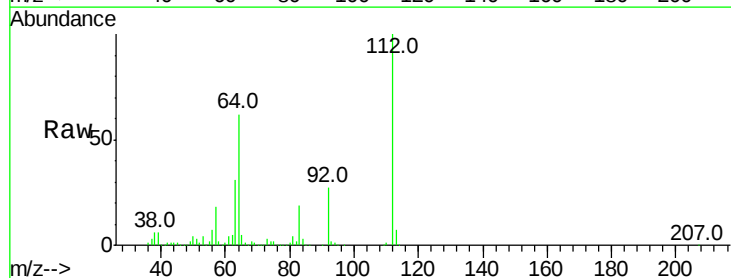
Tot Ion:152 Resp: 44680  
Ion Ratio Lower Upper  
152 100  
150 157.5 114.0 171.0  
115 66.2 48.1 72.1

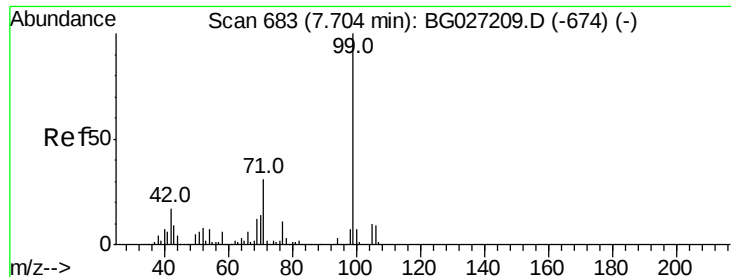


#5

2-Fluorophenol  
Concen: 150.85 ng  
RT: 6.15 min Scan# 419  
Delta R.T. -0.01 min  
Lab File: BG027218.D  
Acq: 5 Jun 2017 18:35

Tgt Ion:112 Resp: 441673  
Ion Ratio Lower Upper  
112 100  
64 61.8 61.8 92.6#  
63 31.1 37.2 55.8#





#7

Phenol-d6

Concen: 141.76 ng

RT: 7.70 min Scan# 683

Delta R.T. 0.00 min

Lab File: BG027218.D

Acq: 5 Jun 2017 18:35

Instrument :

BNA\_G

ClientSampleId :

PB99457BL

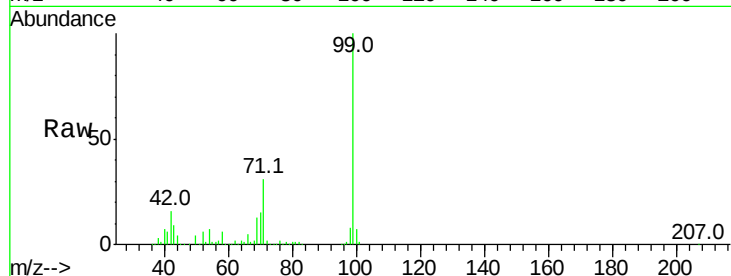
Tot Ion: 99 Resp: 609296

Ion Ratio Lower Upper

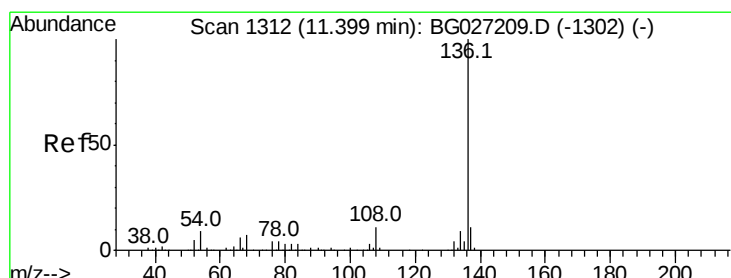
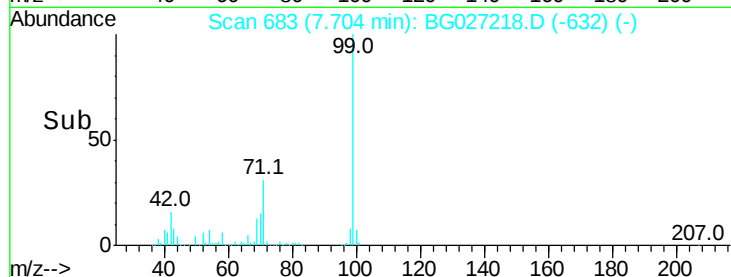
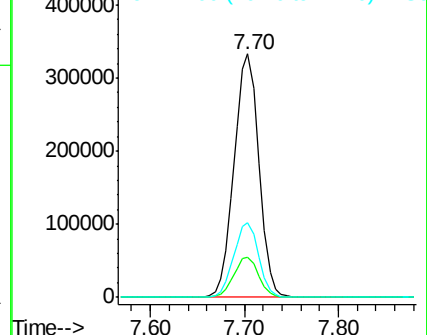
99 100

42 16.4 20.5 30.7#

71 30.5 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: 11.39 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BG027218.D

Acq: 5 Jun 2017 18:35

Tgt Ion: 136 Resp: 207215

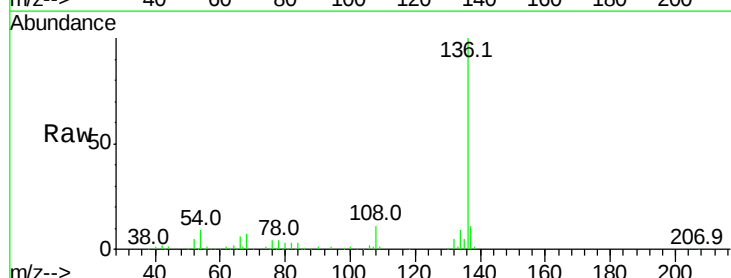
Ion Ratio Lower Upper

136 100

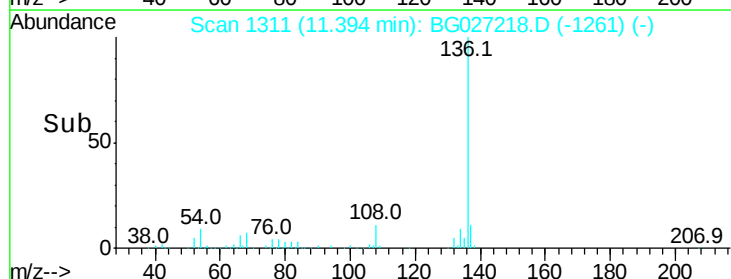
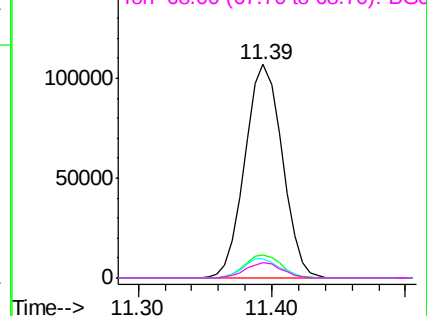
137 10.6 8.9 13.3

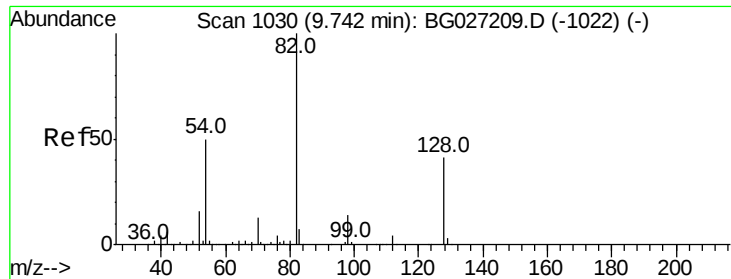
54 9.3 9.3 13.9

68 7.0 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

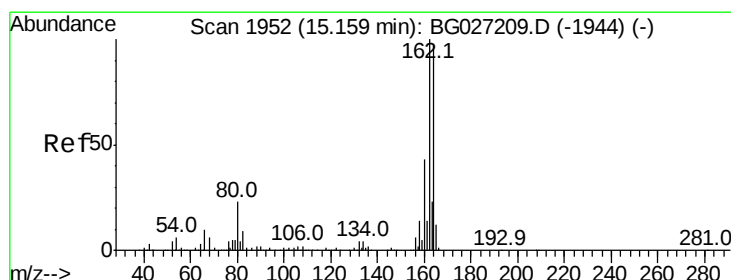
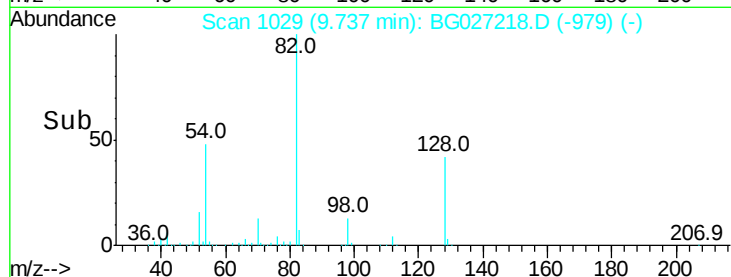
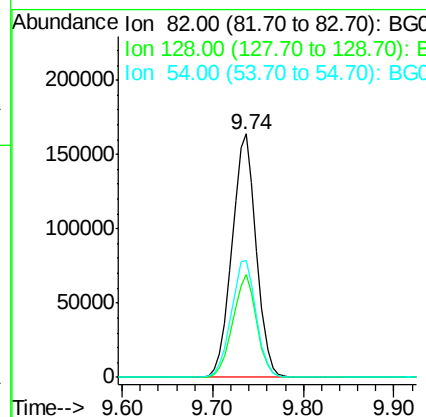
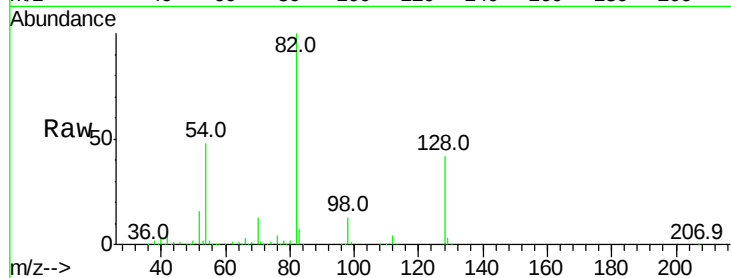




#23  
 Nitrobenzene-d5  
 Concen: 92.15 ng  
 RT: 9.74 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: BG027218.D  
 Acq: 5 Jun 2017 18:35

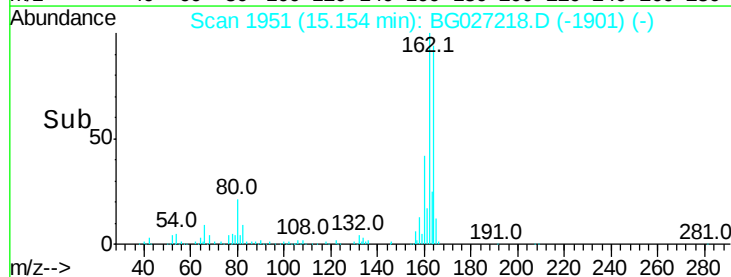
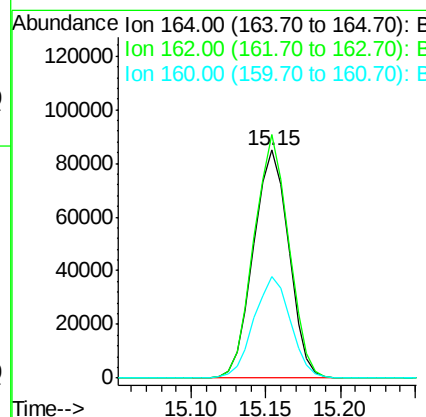
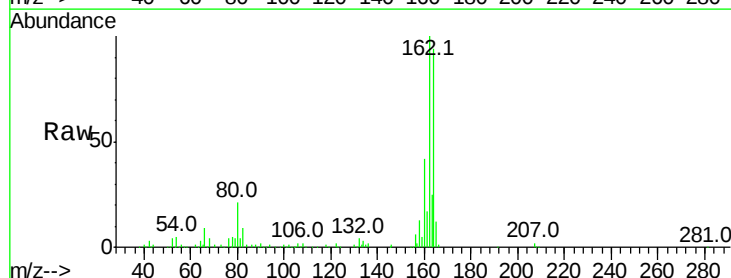
Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB99457BL

Tot Ion: 82 Resp: 303619  
 Ion Ratio Lower Upper  
 82 100  
 128 42.0 26.4 39.6#  
 54 48.1 49.4 74.2#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.15 min Scan# 1951  
 Delta R.T. -0.01 min  
 Lab File: BG027218.D  
 Acq: 5 Jun 2017 18:35

Tgt Ion:164 Resp: 139424  
 Ion Ratio Lower Upper  
 164 100  
 162 106.9 85.1 127.7  
 160 44.4 34.7 52.1

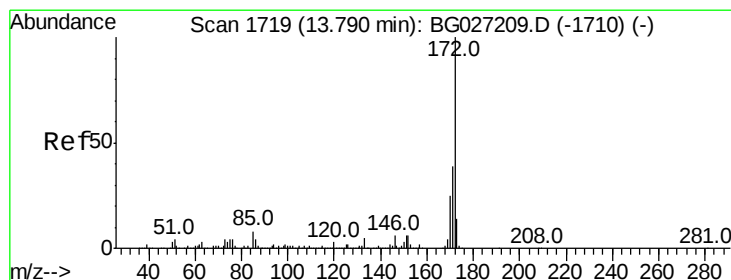
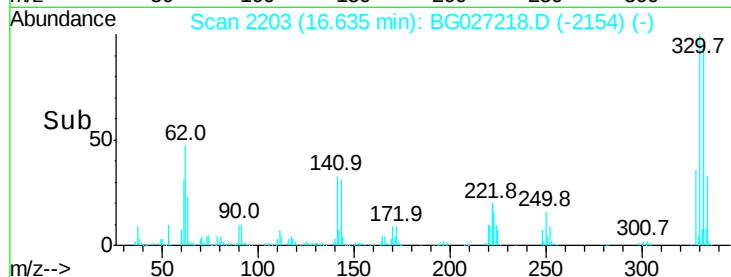
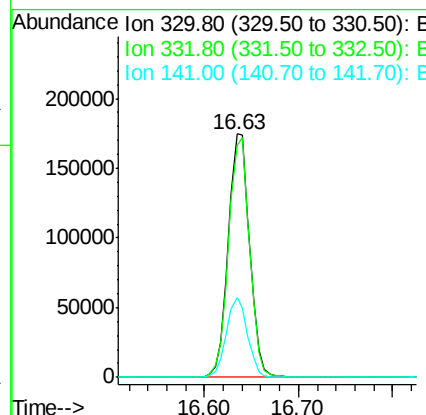
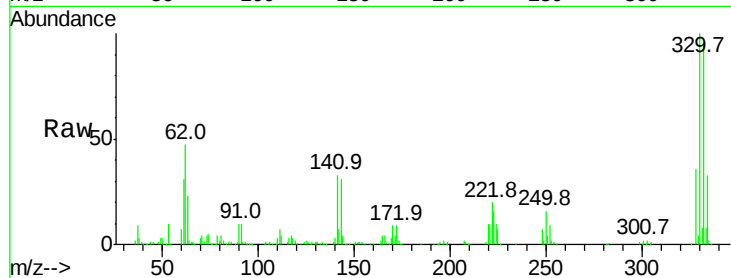




#41  
 2,4,6-Tribromophenol  
 Concen: 150.97 ng  
 RT: 16.63 min Scan# 2203  
 Delta R.T. -0.01 min  
 Lab File: BG027218.D  
 Acq: 5 Jun 2017 18:35

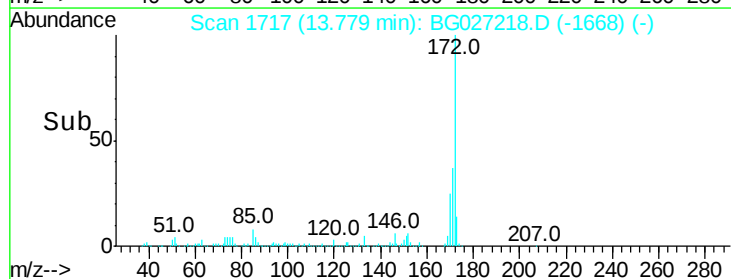
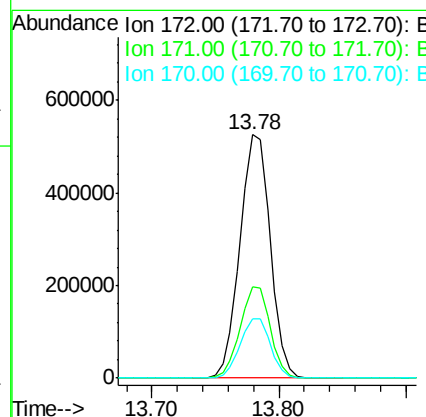
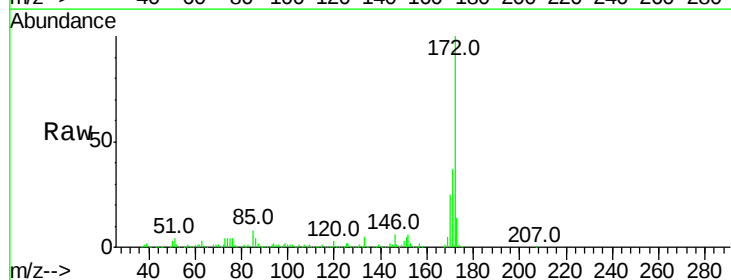
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB99457BL

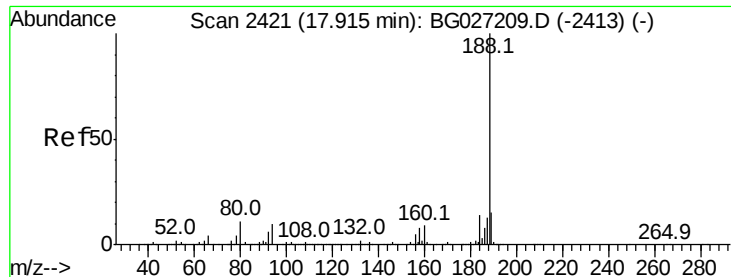
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.3  | 115.9 |
| 141     | 32.4  | 32.1  | 48.1  |



#44  
 2-Fluorobiphenyl  
 Concen: 87.16 ng  
 RT: 13.78 min Scan# 1717  
 Delta R.T. -0.01 min  
 Lab File: BG027218.D  
 Acq: 5 Jun 2017 18:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 32.2  | 48.2  |
| 170     | 24.5  | 21.8  | 32.6  |

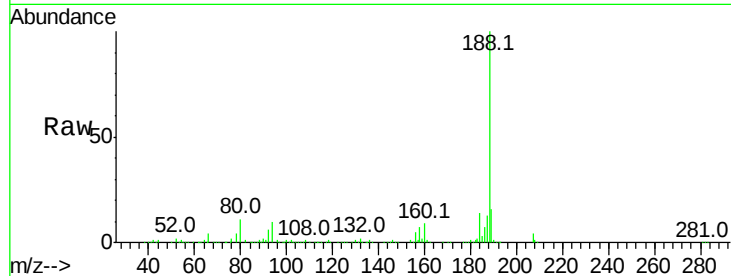




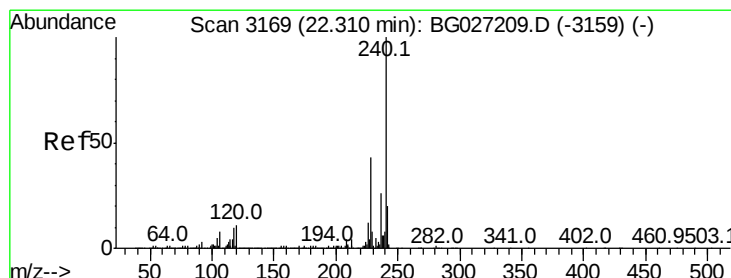
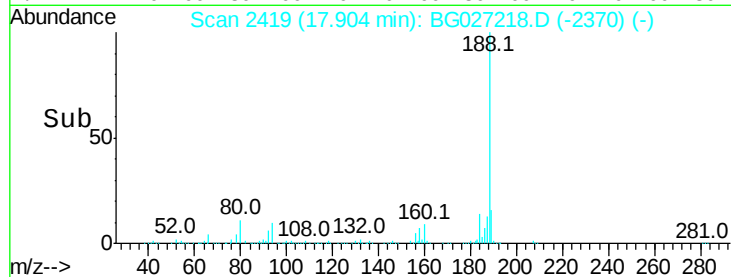
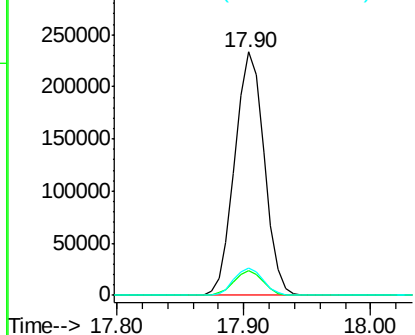
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.90 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG027218.D  
Acq: 5 Jun 2017 18:35

Instrument :  
BNA\_G  
ClientSampleId :  
PB99457BL

Tot Ion:188 Resp: 376677  
Ion Ratio Lower Upper  
188 100  
94 10.2 5.8 8.8#  
80 11.3 7.5 11.3

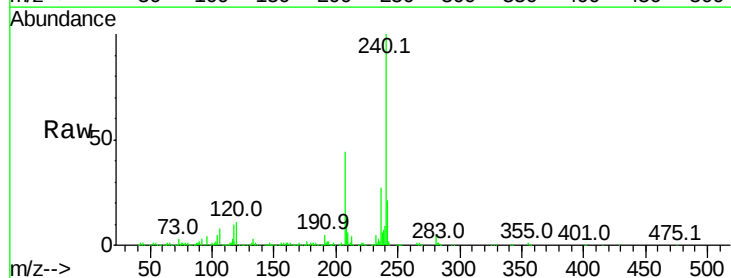


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

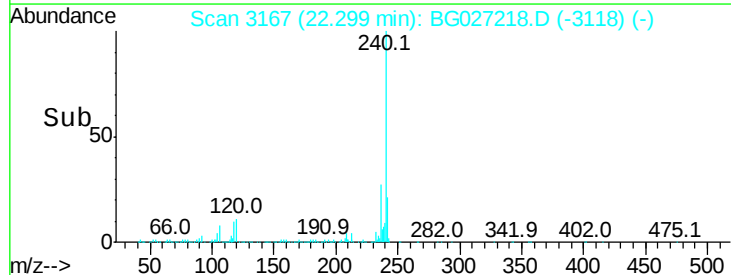
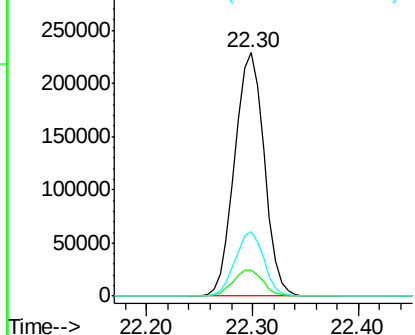


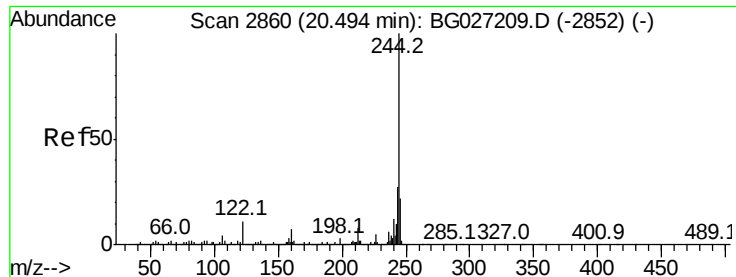
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.30 min Scan# 3167  
Delta R.T. -0.01 min  
Lab File: BG027218.D  
Acq: 5 Jun 2017 18:35

Tgt Ion:240 Resp: 443749  
Ion Ratio Lower Upper  
240 100  
120 10.7 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: 91.38 ng

RT: 20.49 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG027218.D

Acq: 5 Jun 2017 18:35

Instrument :

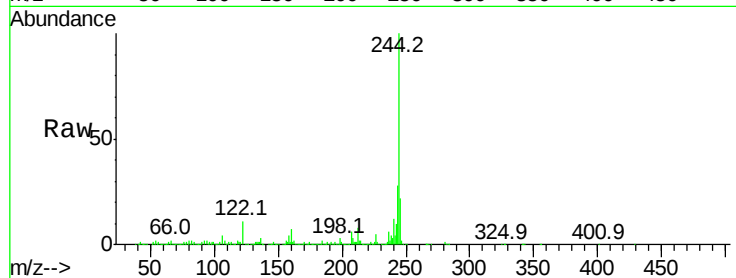
BNA\_G

ClientSampleId :

PB99457BL

Tot Ion:244 Resp: 1589518

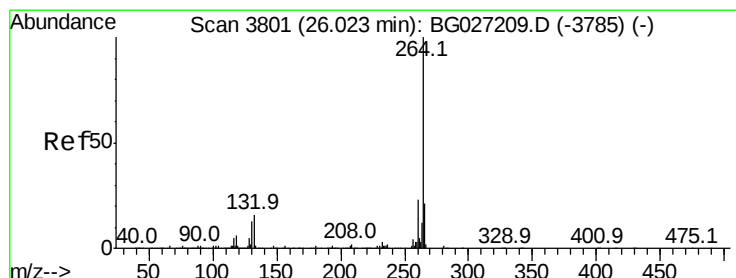
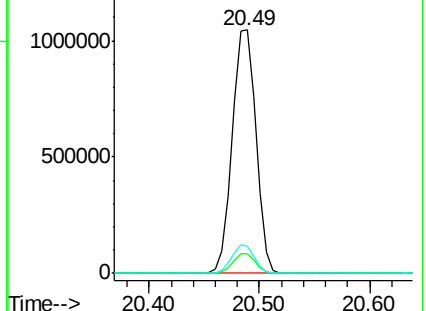
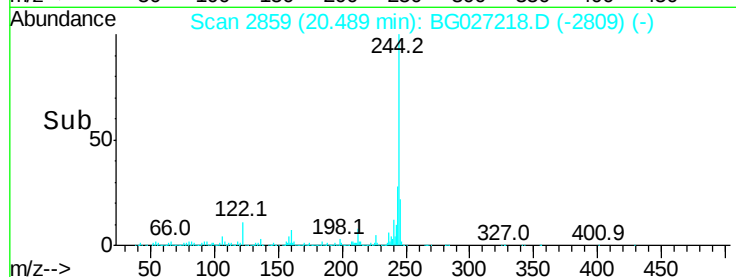
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.1   | 10.0  | 15.0# |
| 122 | 11.0  | 8.6   | 12.8  |



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: 26.01 min Scan# 3798

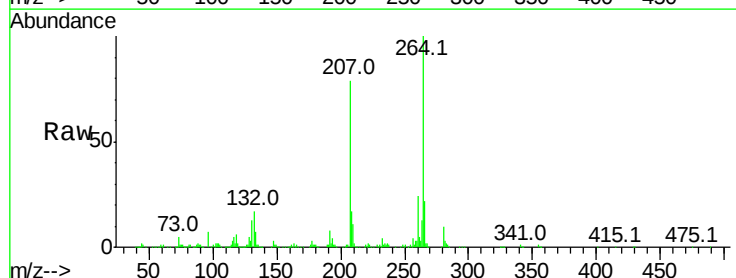
Delta R.T. -0.02 min

Lab File: BG027218.D

Acq: 5 Jun 2017 18:35

Tgt Ion:264 Resp: 417871

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 21.8  | 32.8  |
| 265 | 21.8  | 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

