

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\  
 Data File : BG029289.D  
 Acq On : 17 Oct 2017 2:44  
 Operator : SJ/JU  
 Sample : I5898-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 17 04:07:00 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 17:32:15 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 69537    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.99 | 136  | 339070   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.79 | 164  | 219380   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.52 | 188  | 504077   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.80 | 240  | 534188   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.11 | 264  | 472248   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 533751   | 128.23 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 676113   | 115.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 484342   | 90.77  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.27 | 330  | 390147   | 137.74 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 1292115  | 86.38  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.11 | 244  | 1950398  | 83.06  | ng    | 0.00     |

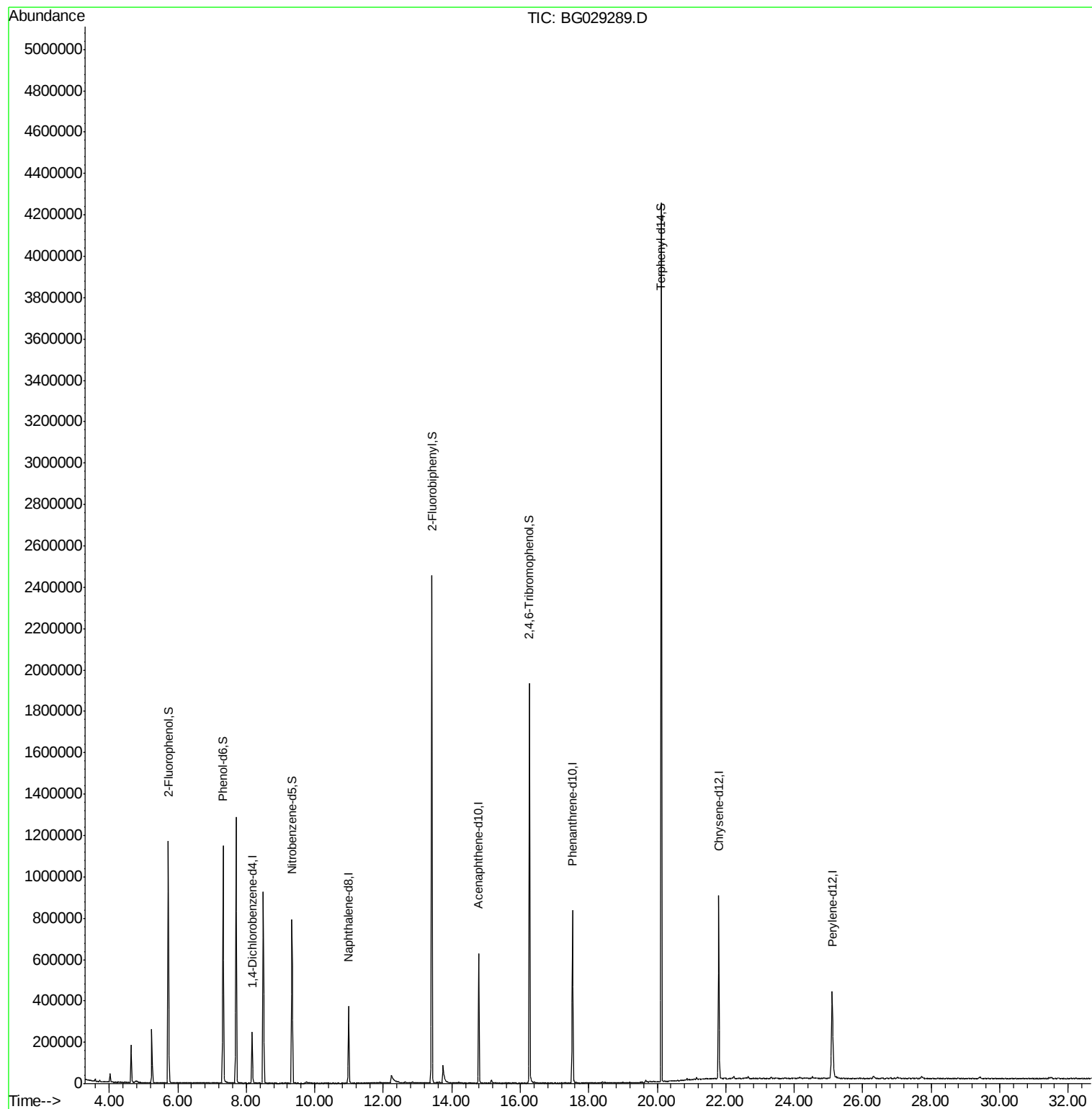
Target Compounds Qvalue

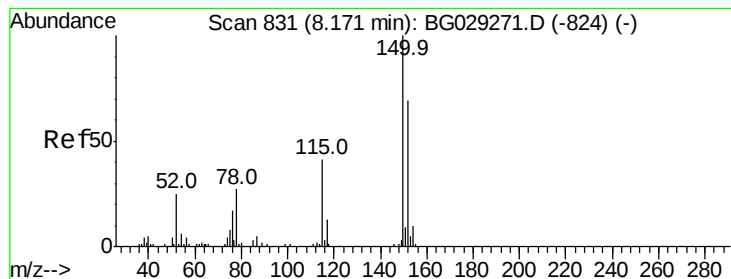
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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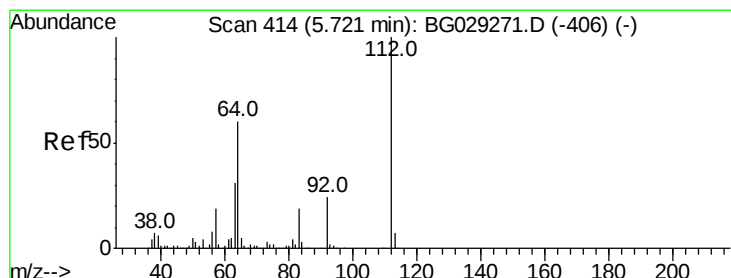
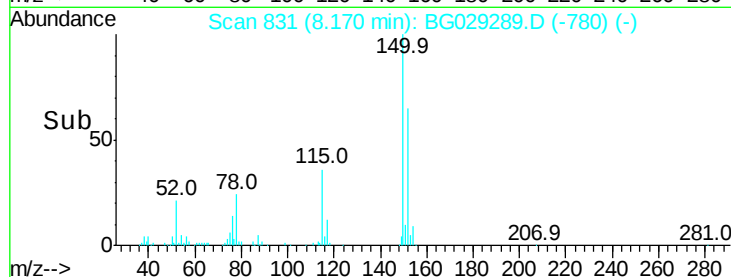
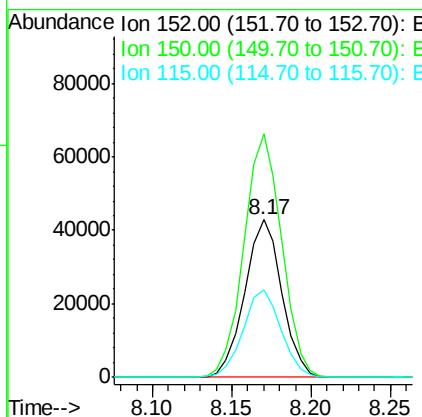
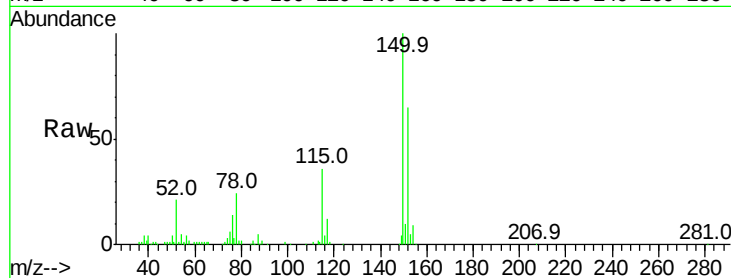


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 831  
Delta R.T. -0.00 min  
Lab File: BG029289.D  
Acq: 17 Oct 2017 2:44

Instrument :  
BNA\_G  
ClientSampleId :

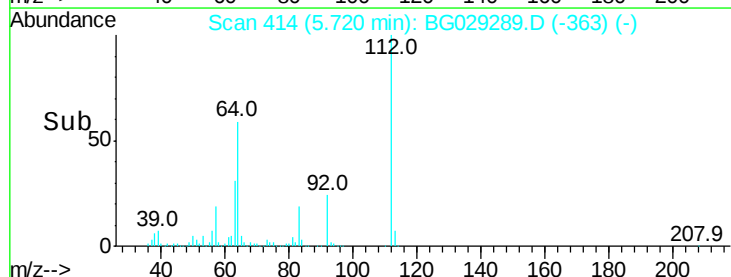
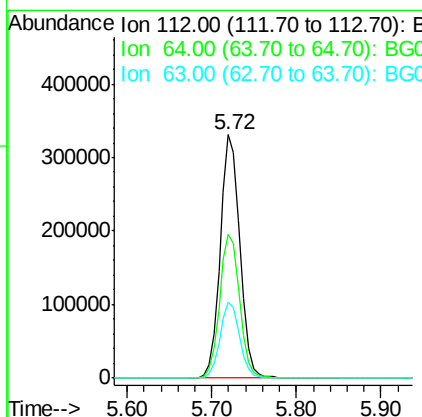
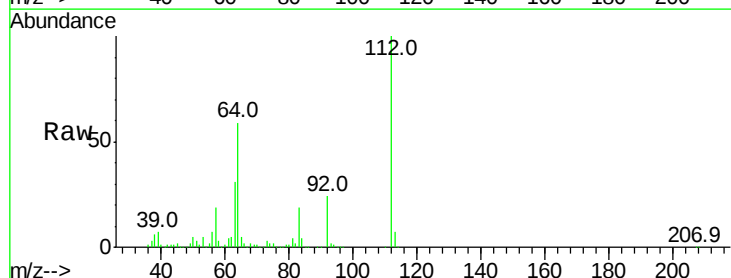
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.8 | 126.6 | 189.8 |
| 115     | 55.4  | 53.0  | 79.4  |

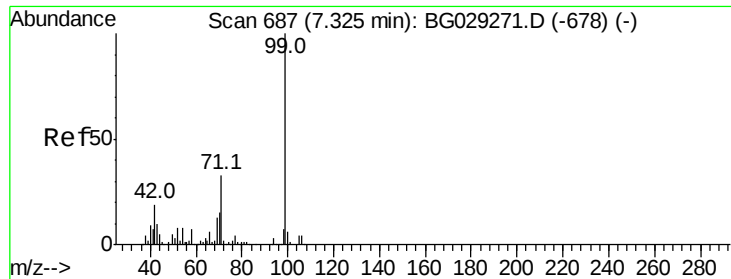


#5

2-Fluorophenol  
Concen: 128.228 ng  
RT: 5.72 min Scan# 414  
Delta R.T. -0.00 min  
Lab File: BG029289.D  
Acq: 17 Oct 2017 2:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.3  | 56.3  | 84.5  |
| 63      | 31.2  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 115.718 ng

RT: 7.32 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG029289.D

Acq: 17 Oct 2017 2:44

Instrument :

BNA\_G

ClientSampleId :

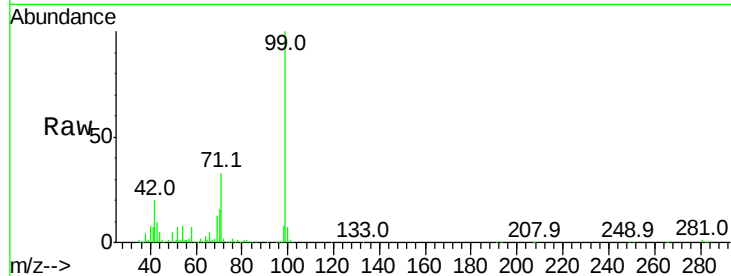
Tot Ion: 99 Resp: 676113

Ion Ratio Lower Upper

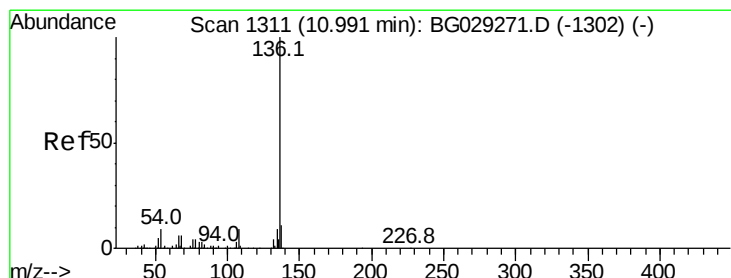
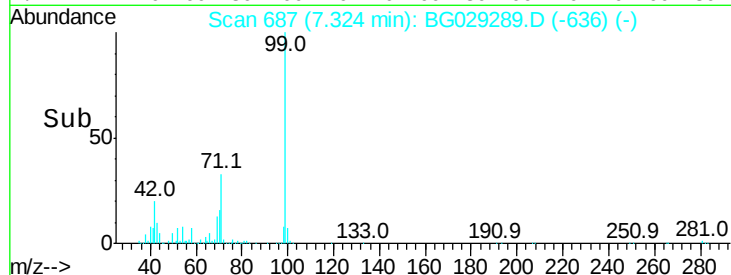
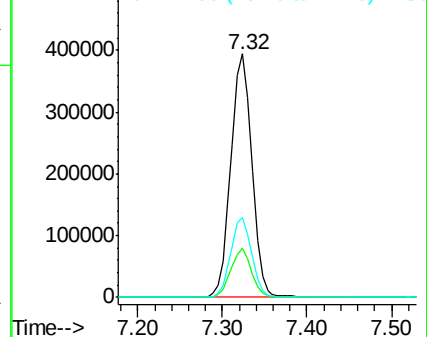
99 100

42 19.9 14.1 21.1

71 32.9 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: 10.99 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BG029289.D

Acq: 17 Oct 2017 2:44

Tgt Ion: 136 Resp: 339070

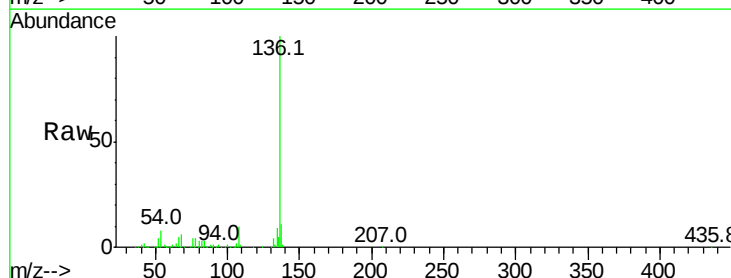
Ion Ratio Lower Upper

136 100

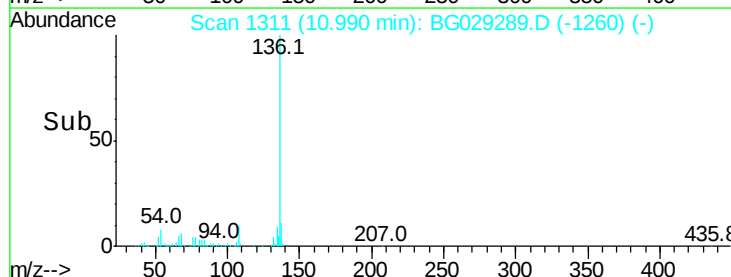
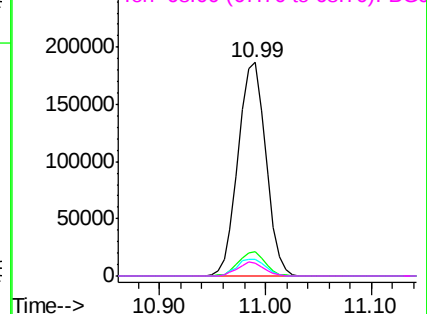
137 11.2 9.2 13.8

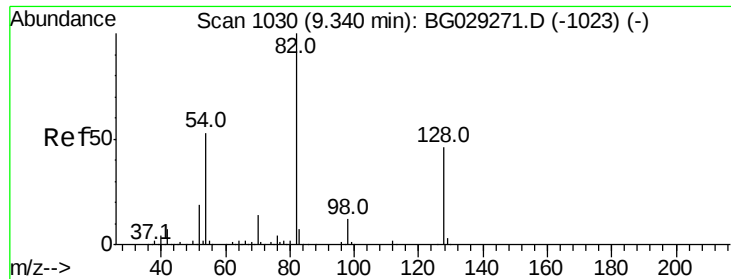
54 7.5 10.3 15.5#

68 5.7 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

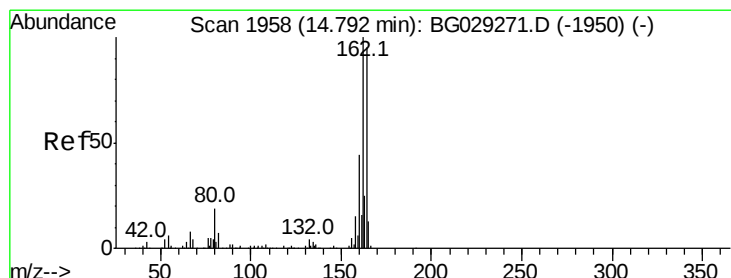
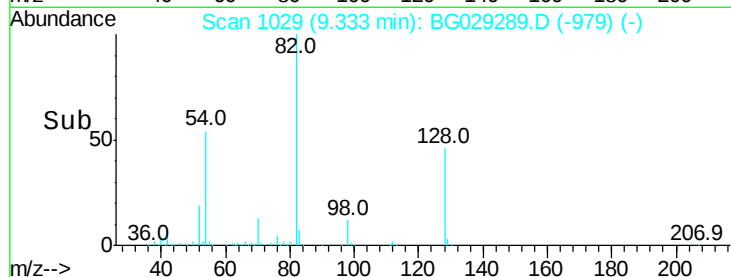
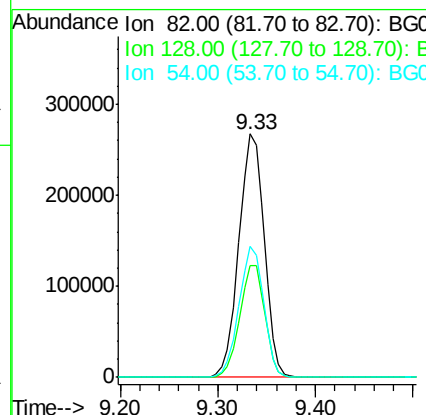
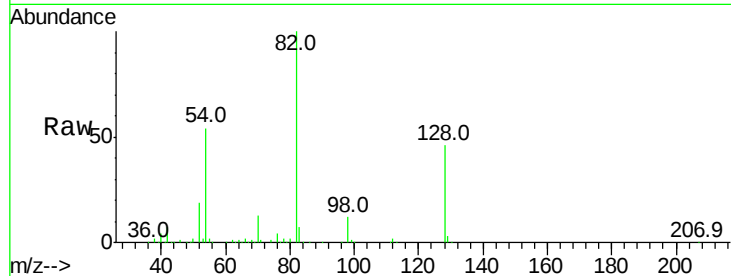




#23  
 Nitrobenzene-d5  
 Concen: 90.774 ng  
 RT: 9.33 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: BG029289.D  
 Acq: 17 Oct 2017 2:44

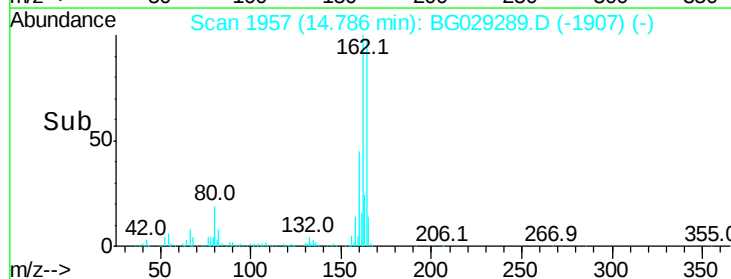
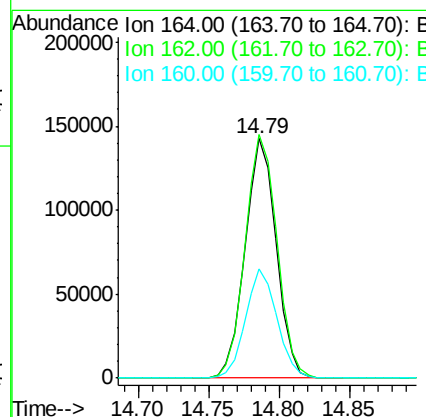
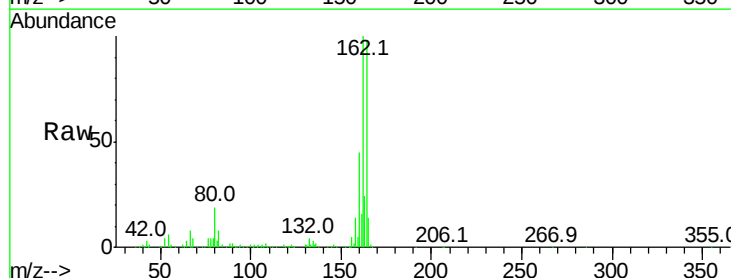
Instrument :  
 BNA\_G  
 ClientSampleId :

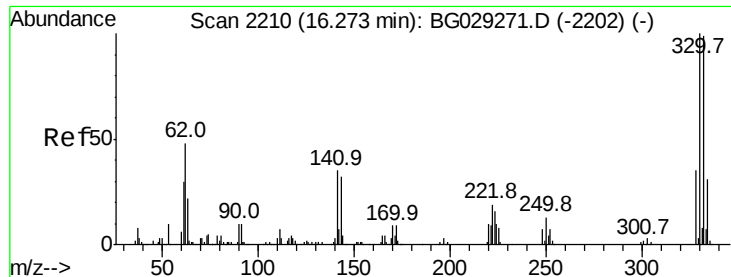
Tot Ion: 82 Resp: 484342  
 Ion Ratio Lower Upper  
 82 100  
 128 46.1 29.7 44.5#  
 54 53.8 43.1 64.7



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.79 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BG029289.D  
 Acq: 17 Oct 2017 2:44

Tgt Ion:164 Resp: 219380  
 Ion Ratio Lower Upper  
 164 100  
 162 101.8 78.8 118.2  
 160 45.5 35.4 53.0

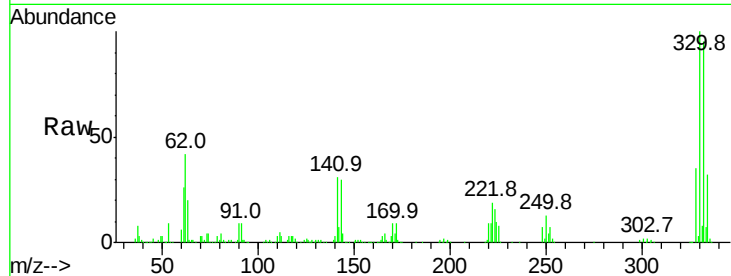




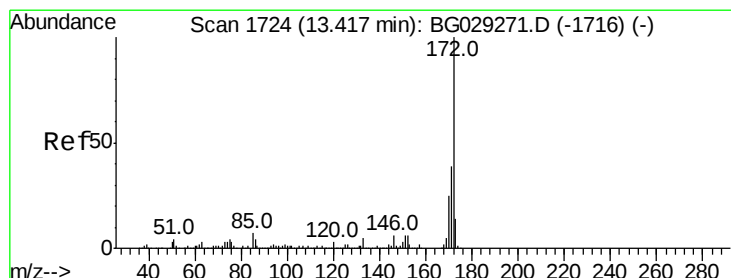
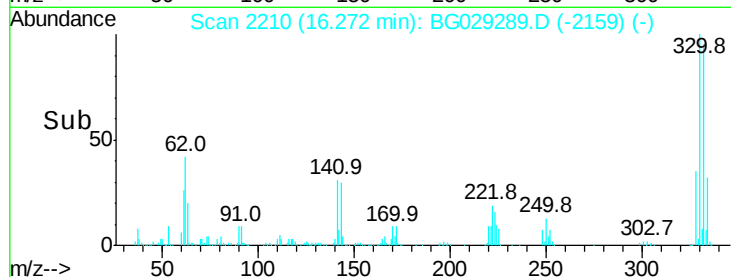
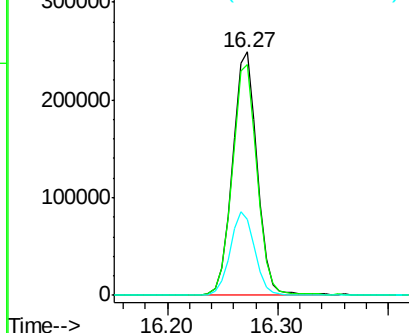
#41  
 2,4,6-Tribromophenol  
 Concen: 137.743 ng  
 RT: 16.27 min Scan# 2210  
 Delta R.T. -0.00 min  
 Lab File: BG029289.D  
 Acq: 17 Oct 2017 2:44

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 77.0  | 115.6 |
| 141     | 34.5  | 25.2  | 37.8  |

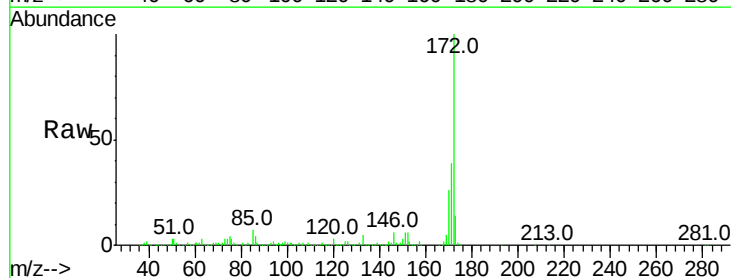


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

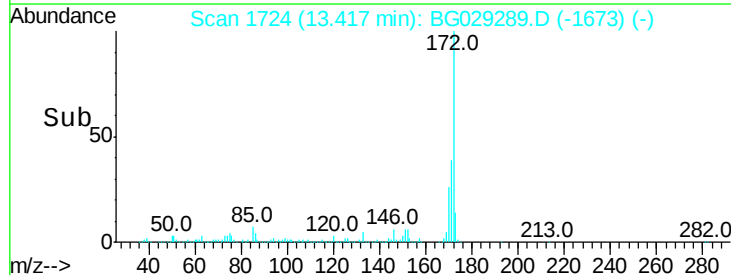
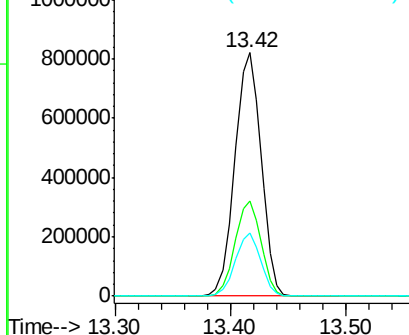


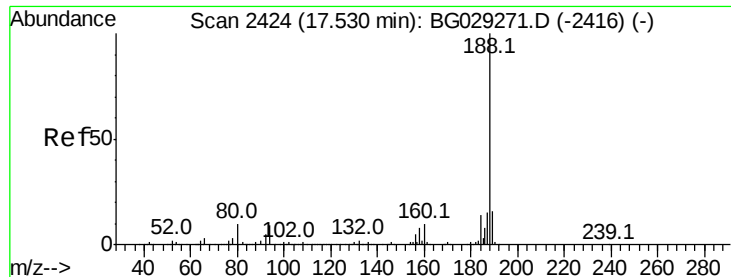
#44  
 2-Fluorobiphenyl  
 Concen: 86.384 ng  
 RT: 13.42 min Scan# 1724  
 Delta R.T. -0.00 min  
 Lab File: BG029289.D  
 Acq: 17 Oct 2017 2:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.8  | 30.0  | 45.0  |
| 170     | 25.9  | 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

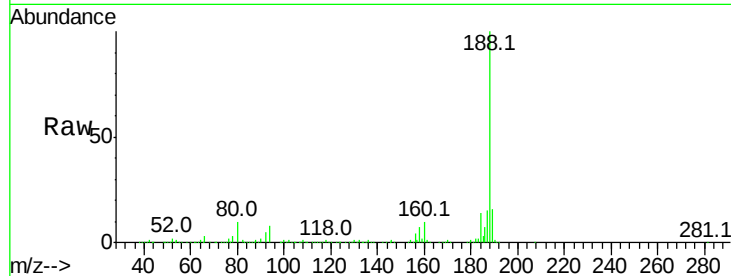




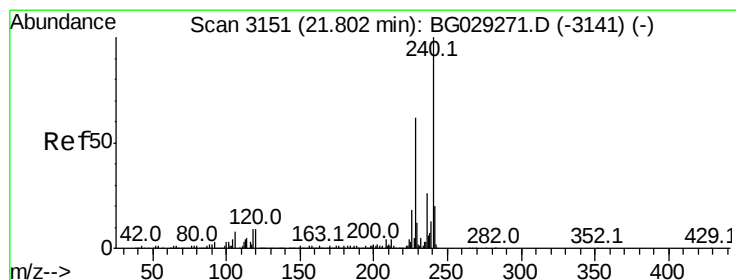
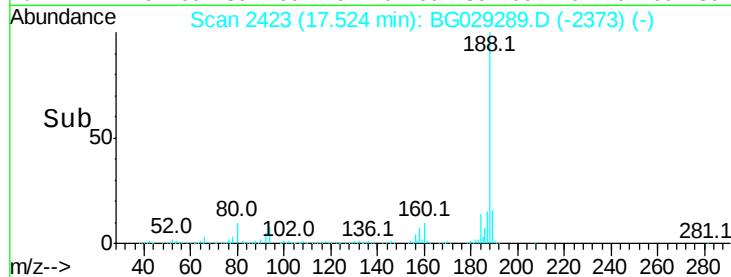
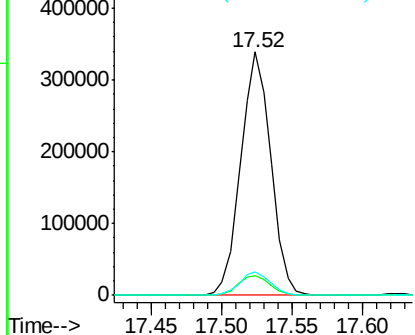
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.52 min Scan# 2423  
Delta R.T. -0.01 min  
Lab File: BG029289.D  
Acq: 17 Oct 2017 2:44

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 504077  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.9 10.3  
80 9.9 7.7 11.5

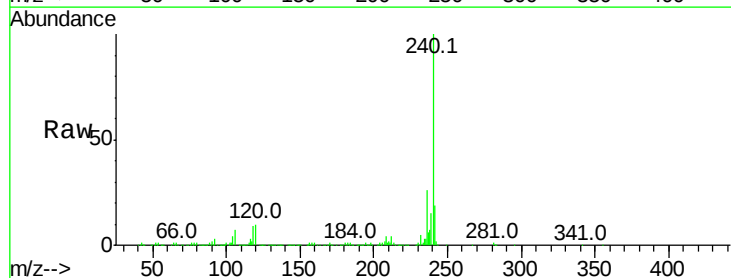


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

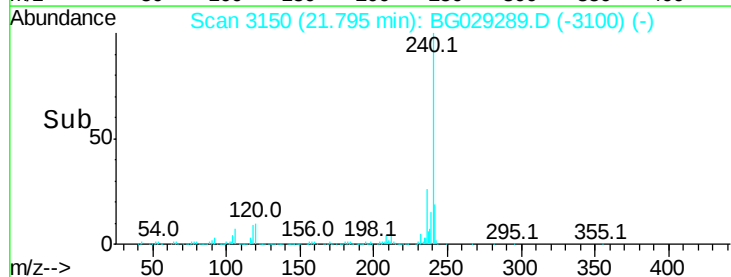
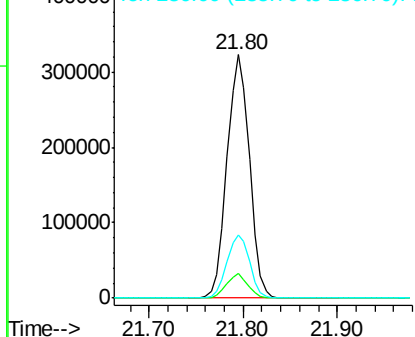


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.80 min Scan# 3150  
Delta R.T. -0.01 min  
Lab File: BG029289.D  
Acq: 17 Oct 2017 2:44

Tgt Ion:240 Resp: 534188  
Ion Ratio Lower Upper  
240 100  
120 9.9 6.8 10.2  
236 26.0 20.9 31.3



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: 83.061 ng

RT: 20.11 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG029289.D

Acq: 17 Oct 2017 2:44

Instrument :

BNA\_G

ClientSampleId :

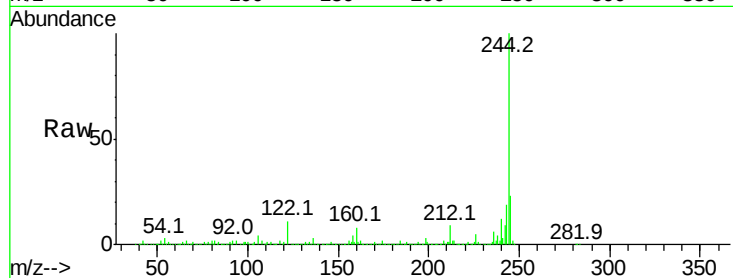
Tot Ion:244 Resp: 1950398

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.5   | 5.8   | 8.8   |
| 122 | 10.6  | 7.0   | 10.4  |

244 100

212 8.5 5.8 8.8

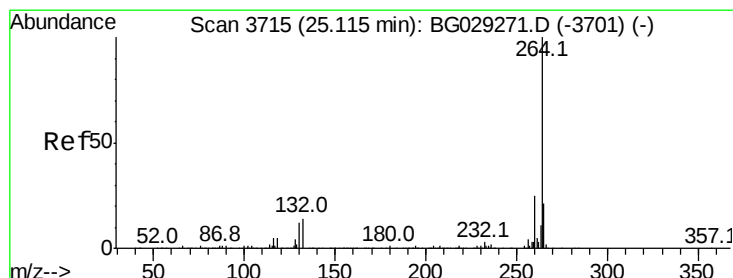
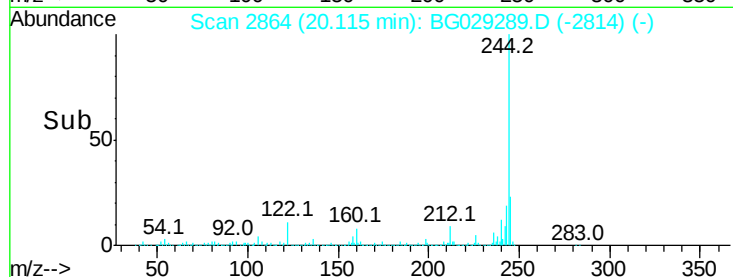
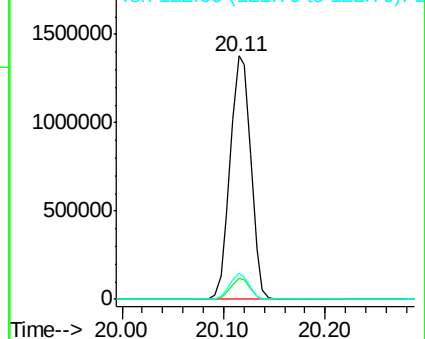
122 10.6 7.0 10.4



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: 25.11 min Scan# 3714

Delta R.T. -0.01 min

Lab File: BG029289.D

Acq: 17 Oct 2017 2:44

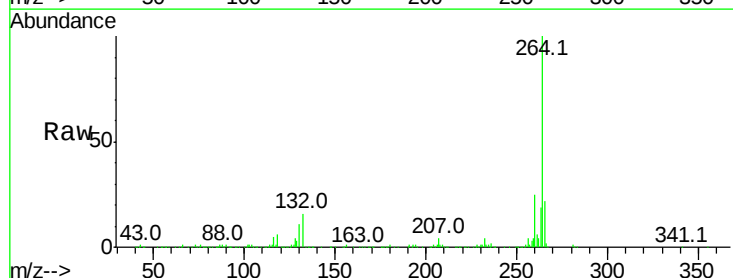
Tgt Ion:264 Resp: 472248

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.0  | 17.4  | 26.0  |
| 265 | 22.2  | 17.7  | 26.5  |

264 100

260 25.0 17.4 26.0

265 22.2 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

