

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062617\  
 Data File : BG027677.D  
 Acq On : 26 Jun 2017 16:32  
 Operator : SJ/JU  
 Sample : PB100146BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 27 01:26:51 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 21 18:52:15 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.49  | 152  | 13411    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.31 | 136  | 60277    | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 15.07 | 164  | 41372    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.82 | 188  | 130957   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 22.19 | 240  | 151455   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.81 | 264  | 147748   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.08  | 112  | 129325   | 137.24 | ng    | 0.00     |
| 7) Phenol-d6                | 7.64  | 99   | 175353   | 125.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.66  | 82   | 112315   | 88.17  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.56 | 330  | 106146   | 172.09 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.70 | 172  | 270881   | 89.44  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.40 | 244  | 663866   | 103.27 | ng    | -0.01    |

Target Compounds Qvalue

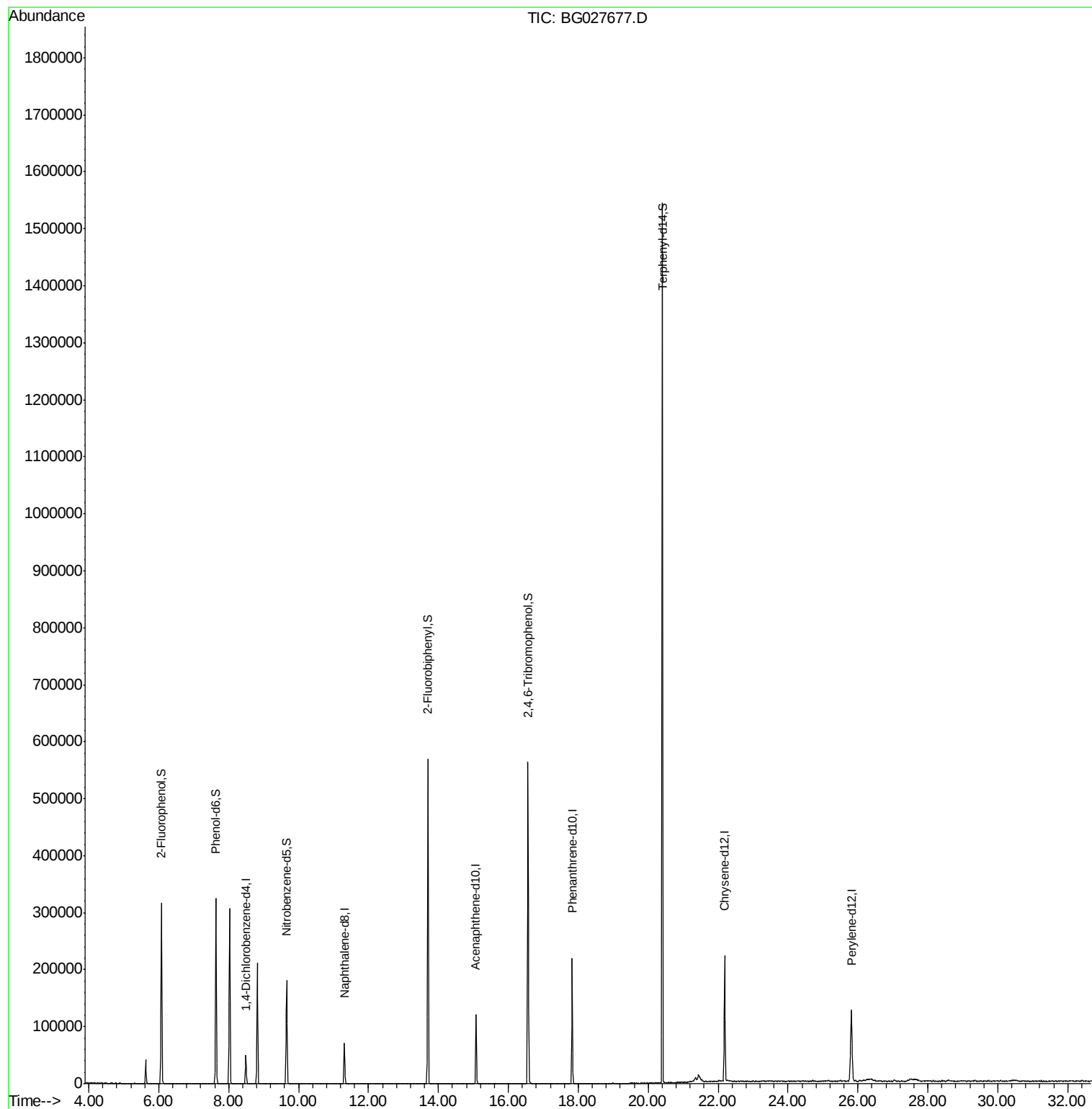
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 21 18:52:15 2017  
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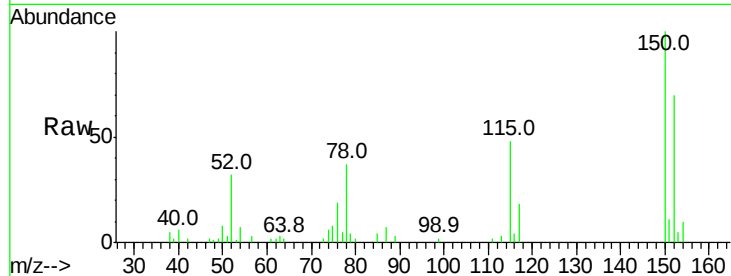


#1

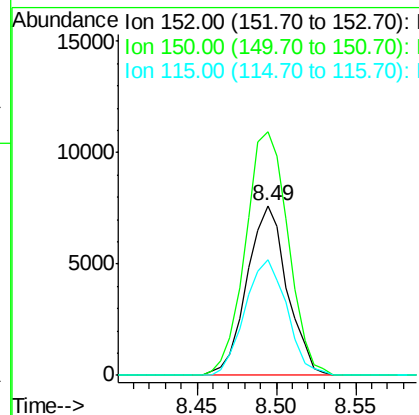
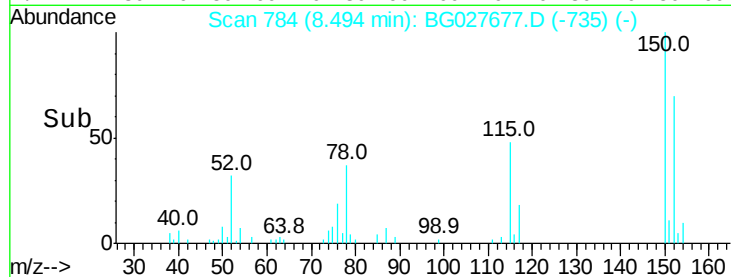
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.49 min Scan# 784  
Delta R.T. -0.01 min  
Lab File: BG027677.D  
Acq: 26 Jun 2017 16:32

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 13411  
Ion Ratio Lower Upper  
152 100  
150 143.5 114.0 171.0  
115 68.3 48.1 72.1



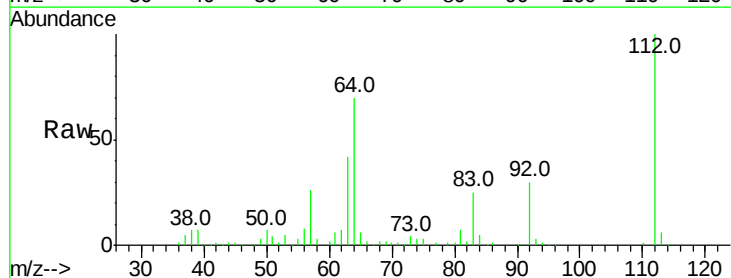
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



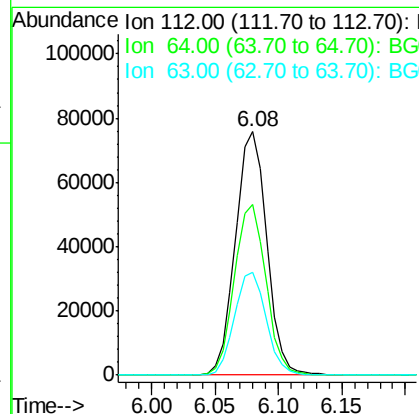
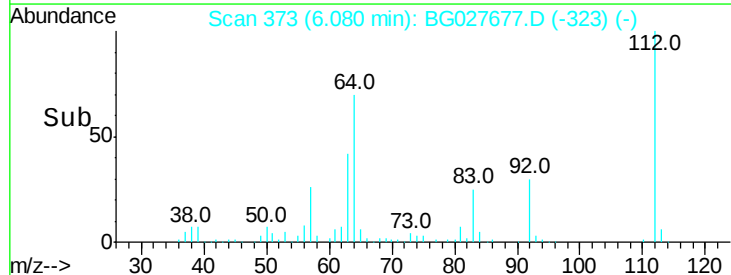
#5

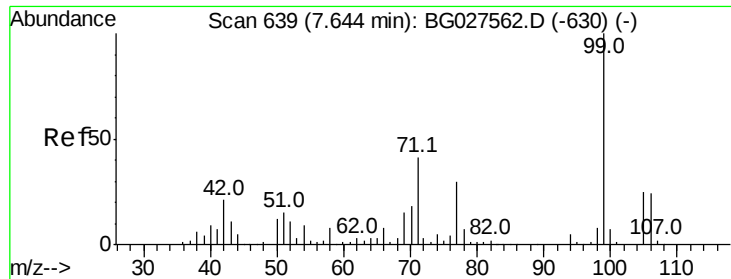
2-Fluorophenol  
Concen: 137.24 ng  
RT: 6.08 min Scan# 373  
Delta R.T. -0.01 min  
Lab File: BG027677.D  
Acq: 26 Jun 2017 16:32

Tgt Ion:112 Resp: 129325  
Ion Ratio Lower Upper  
112 100  
64 70.3 61.8 92.6  
63 42.0 37.2 55.8



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: 125.70 ng

RT: 7.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BG027677.D

Acq: 26 Jun 2017 16:32

Instrument :

BNA\_G

ClientSampleId :

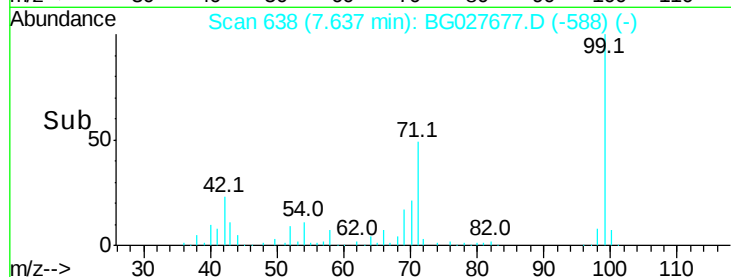
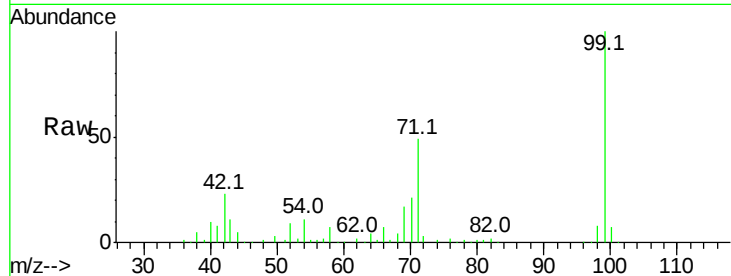
Tot Ion: 99 Resp: 175353

Ion Ratio Lower Upper

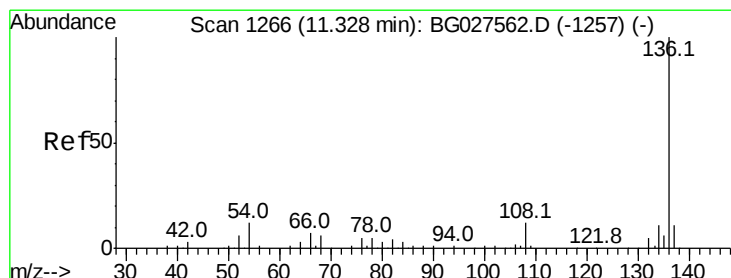
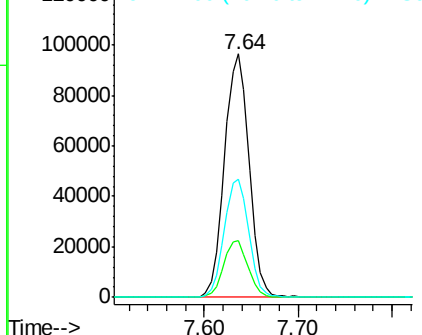
99 100

42 23.1 20.5 30.7

71 48.6 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: 11.31 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BG027677.D

Acq: 26 Jun 2017 16:32

Tgt Ion: 136 Resp: 60277

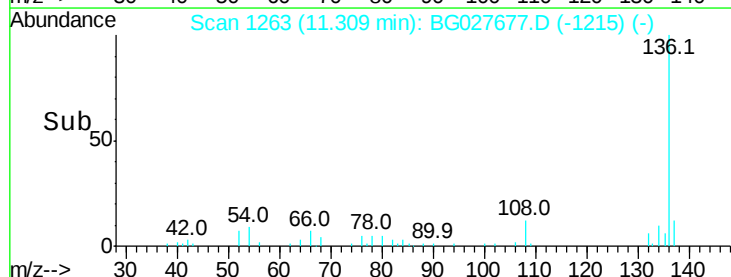
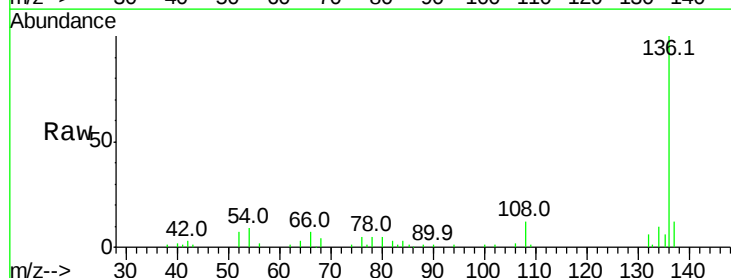
Ion Ratio Lower Upper

136 100

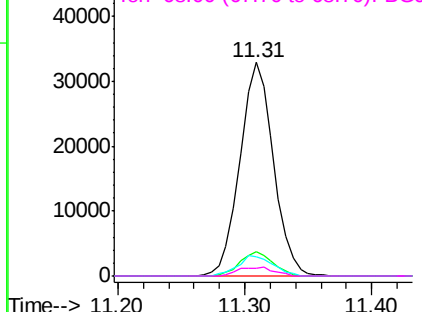
137 11.5 8.9 13.3

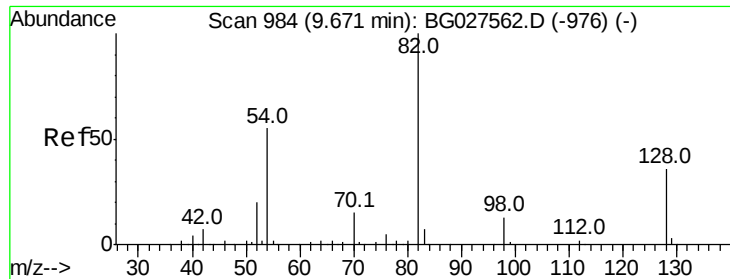
54 8.9 9.3 13.9#

68 3.8 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

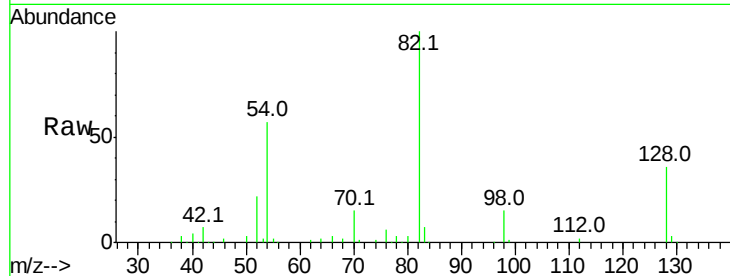




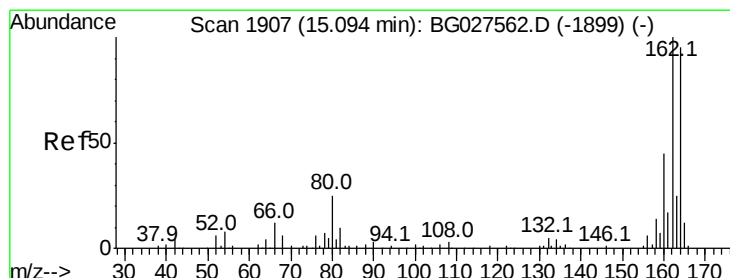
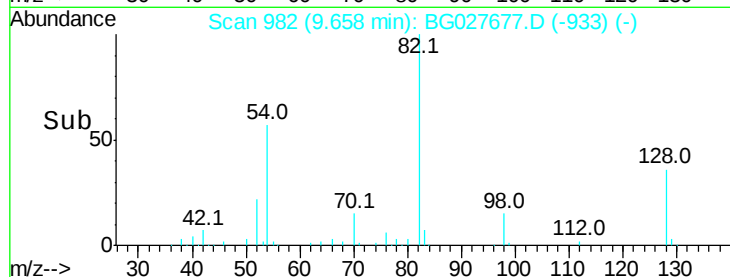
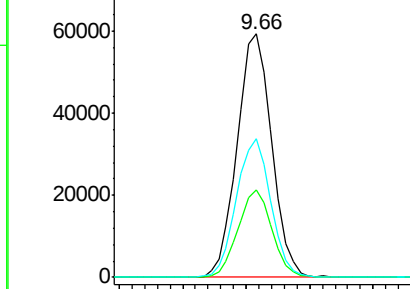
#23  
 Nitrobenzene-d5  
 Concen: 88.17 ng  
 RT: 9.66 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: BG027677.D  
 Acq: 26 Jun 2017 16:32

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion   | 82   | Resp  | 112315 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 35.8 | 26.4  | 39.6   |
| 54        | 56.7 | 49.4  | 74.2   |

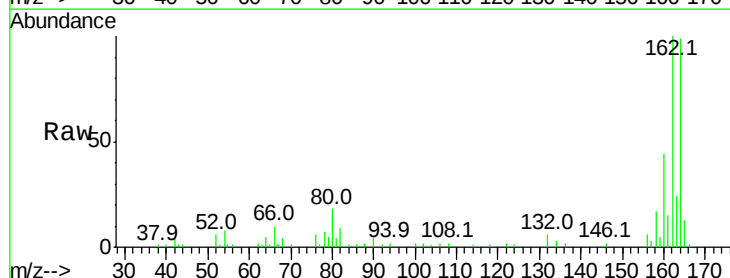


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

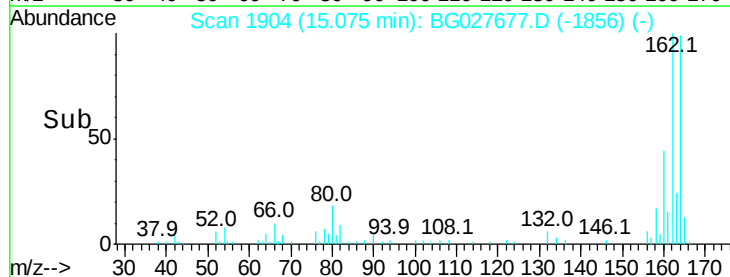
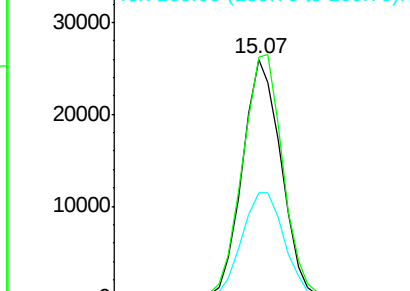


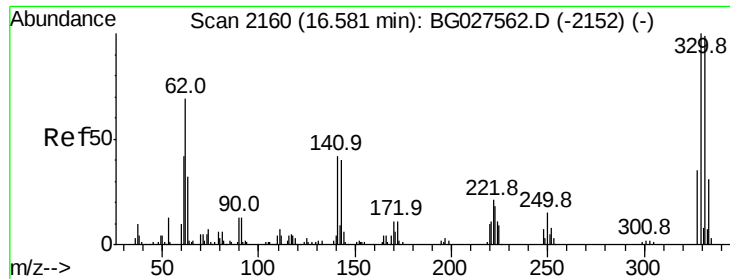
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.07 min Scan# 1904  
 Delta R.T. -0.02 min  
 Lab File: BG027677.D  
 Acq: 26 Jun 2017 16:32

| Tgt Ion   | 164   | Resp  | 41372 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 100.9 | 85.1  | 127.7 |
| 160       | 44.2  | 34.7  | 52.1  |



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

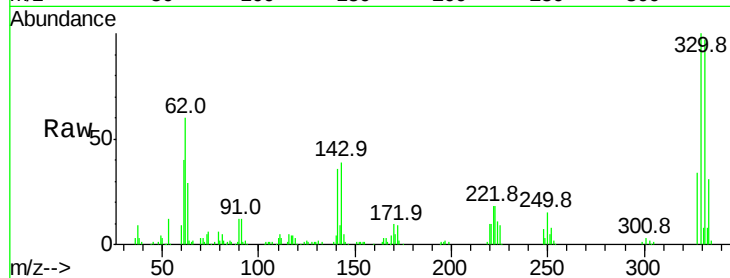




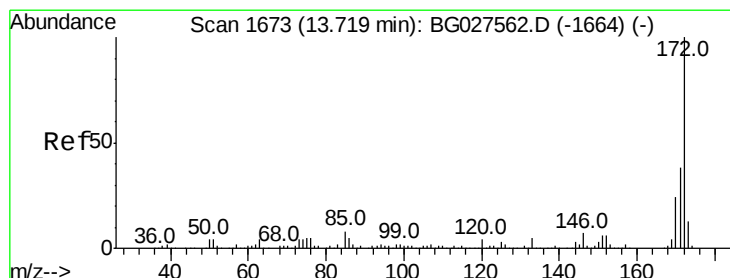
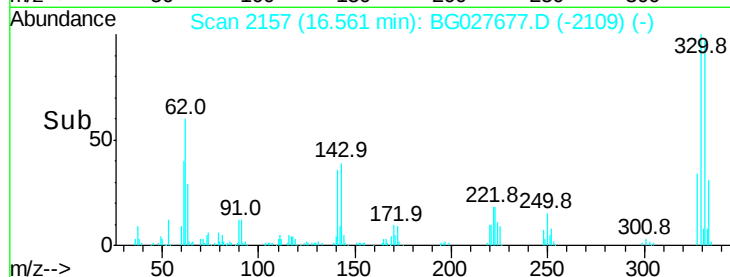
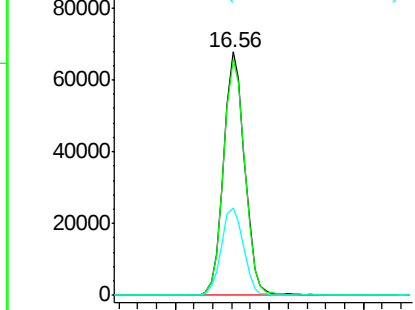
#41  
 2,4,6-Tribromophenol  
 Concen: 172.09 ng  
 RT: 16.56 min Scan# 2157  
 Delta R.T. -0.02 min  
 Lab File: BG027677.D  
 Acq: 26 Jun 2017 16:32

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.2  | 77.3  | 115.9 |
| 141     | 37.8  | 32.1  | 48.1  |

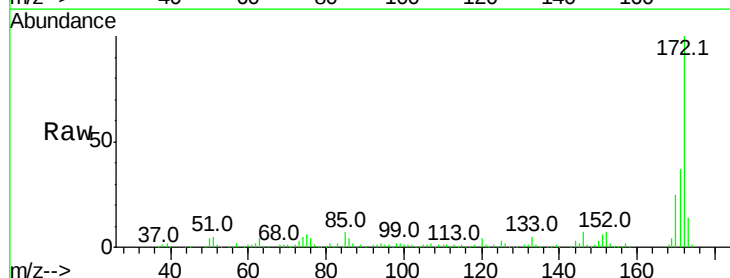


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

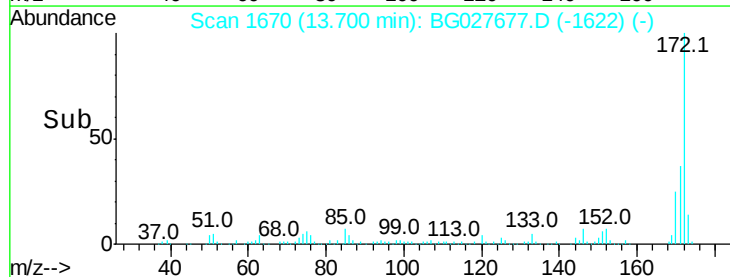
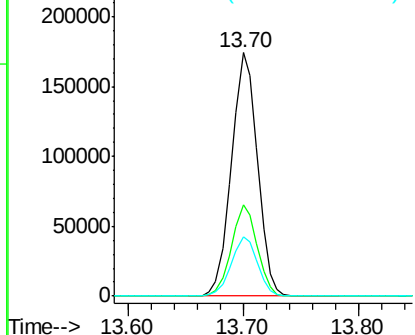


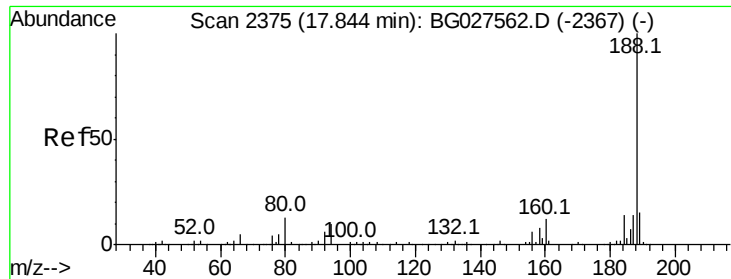
#44  
 2-Fluorobiphenyl  
 Concen: 89.44 ng  
 RT: 13.70 min Scan# 1670  
 Delta R.T. -0.02 min  
 Lab File: BG027677.D  
 Acq: 26 Jun 2017 16:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 32.2  | 48.2  |
| 170     | 24.6  | 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

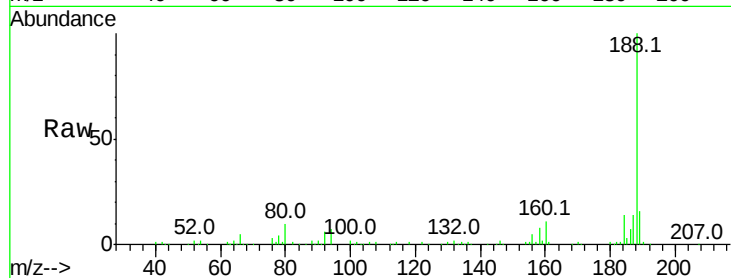




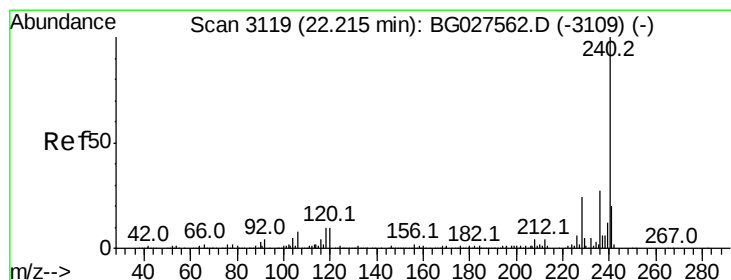
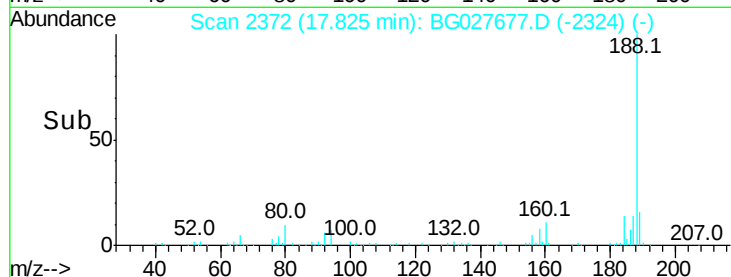
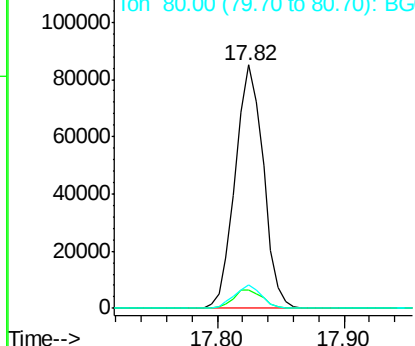
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.82 min Scan# 2372  
Delta R.T. -0.02 min  
Lab File: BG027677.D  
Acq: 26 Jun 2017 16:32

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 130957  
Ion Ratio Lower Upper  
188 100  
94 7.3 5.8 8.8  
80 9.5 7.5 11.3

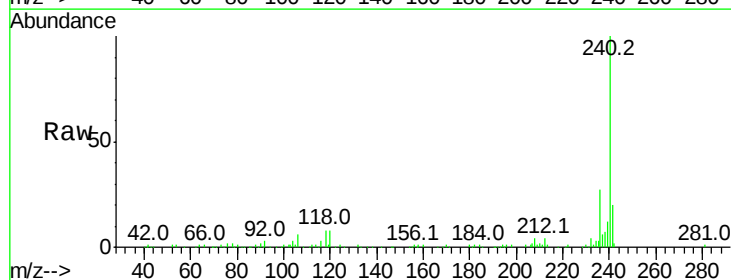


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

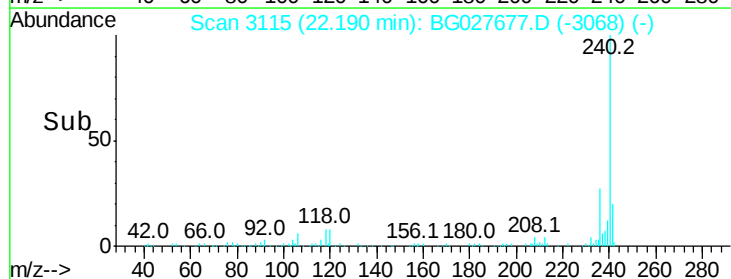
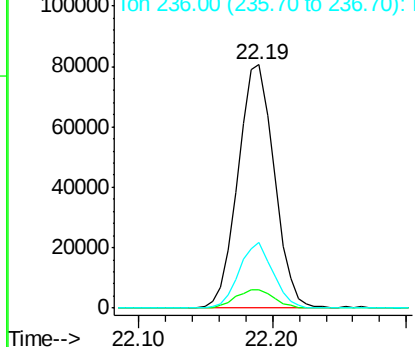


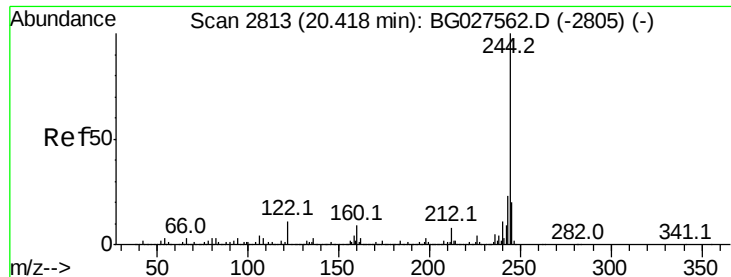
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.19 min Scan# 3115  
Delta R.T. -0.03 min  
Lab File: BG027677.D  
Acq: 26 Jun 2017 16:32

Tgt Ion:240 Resp: 151455  
Ion Ratio Lower Upper  
240 100  
120 7.5 5.7 8.5  
236 27.0 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

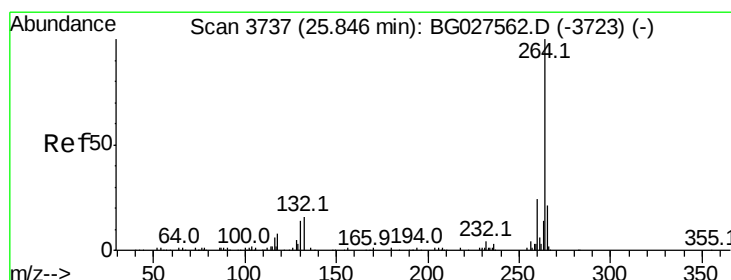
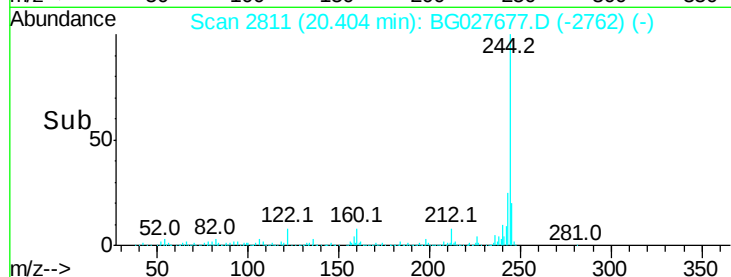
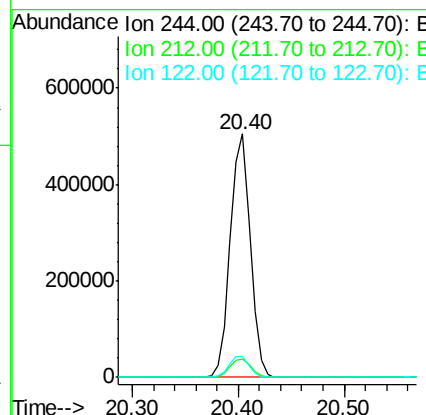
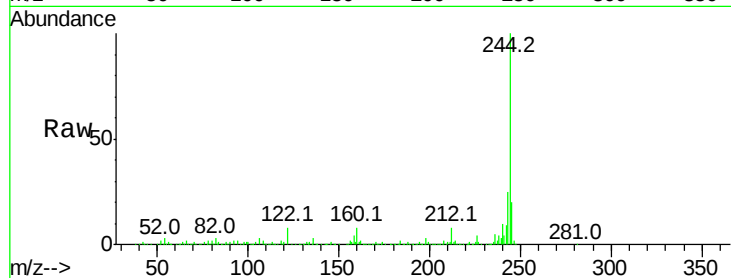




#78  
 Terphenyl-d14  
 Concen: 103.27 ng  
 RT: 20.40 min Scan# 2811  
 Delta R.T. -0.01 min  
 Lab File: BG027677.D  
 Acq: 26 Jun 2017 16:32

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:244 Resp: 663866  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 10.0 15.0#  
 122 8.4 8.6 12.8#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.81 min Scan# 3731  
 Delta R.T. -0.04 min  
 Lab File: BG027677.D  
 Acq: 26 Jun 2017 16:32

Tgt Ion:264 Resp: 147748  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 21.8 32.8  
 265 22.1 18.2 27.4

