

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110818\  
 Data File : BG037904.D  
 Acq On : 9 Nov 2018 4:20  
 Operator : JU/SJ  
 Sample : PB114625TB  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 09 15:31:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

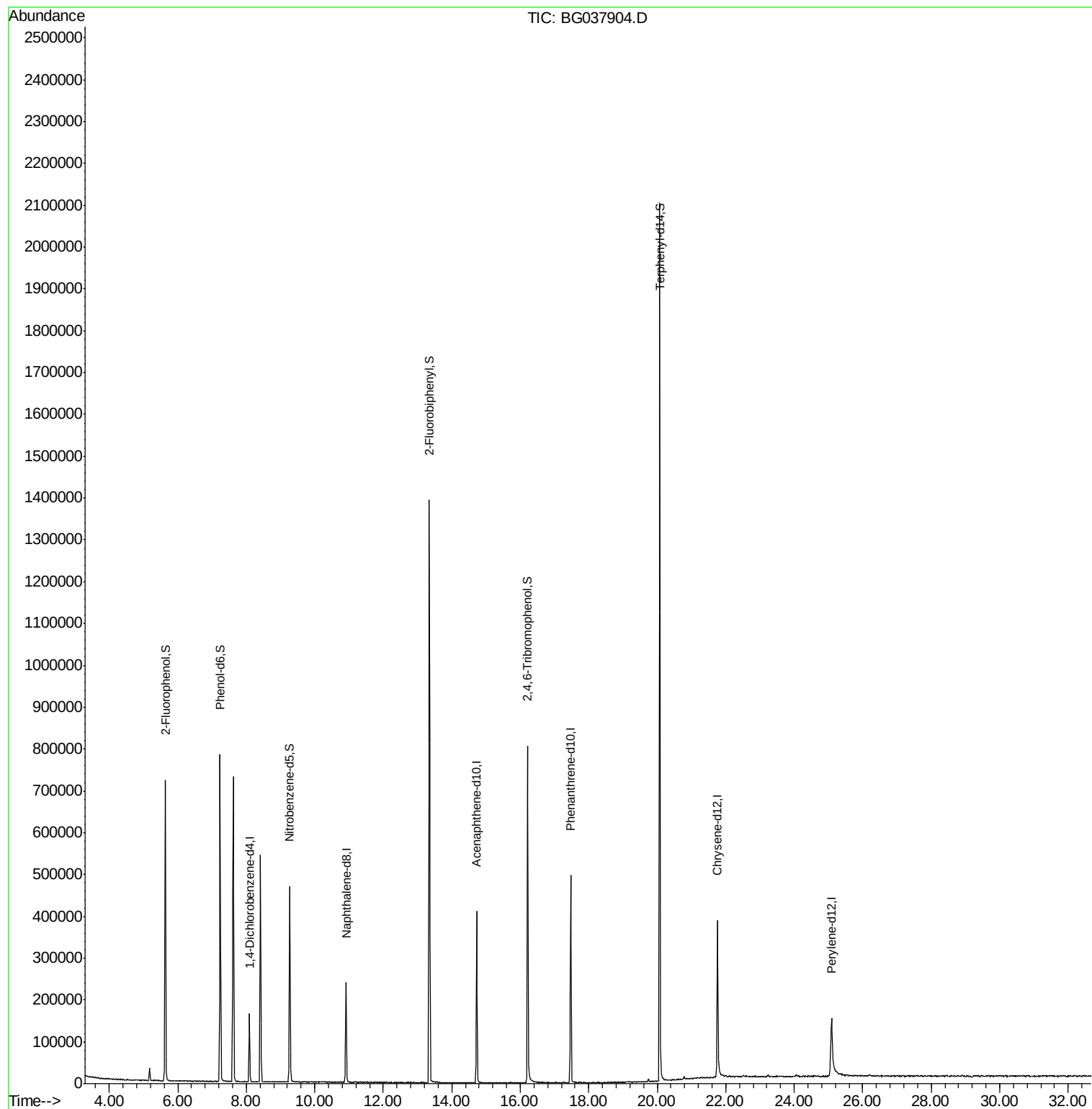
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 48505    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.91 | 136  | 222205   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.73 | 164  | 148754   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.47 | 188  | 328438   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.75 | 240  | 284933   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.08 | 264  | 233281   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 342770   | 118.14 | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 503751   | 114.83 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 301174   | 75.93  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.21 | 330  | 163306   | 100.65 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.35 | 172  | 757302   | 76.77  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.07 | 244  | 1080179  | 81.00  | ng    | -0.02    |

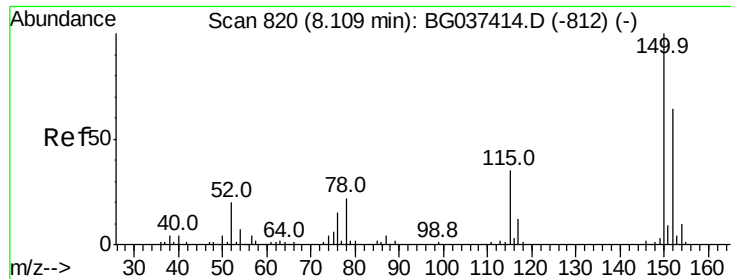
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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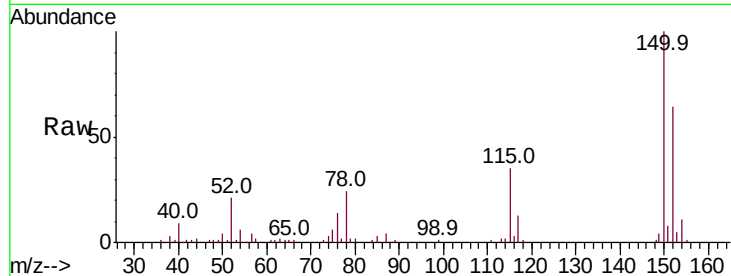




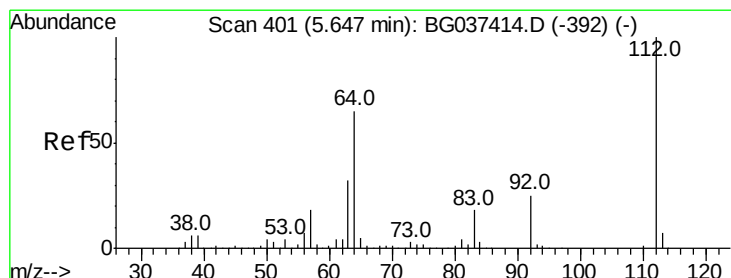
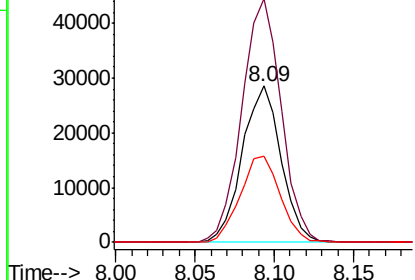
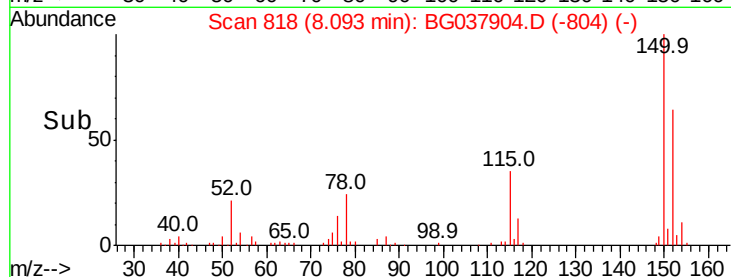
#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.09 min Scan# 818  
Delta R.T. -0.02 min  
Lab File: BG037904.D  
Acq: 9 Nov 2018 4:20

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.8 | 126.0 | 189.0 |
| 115     | 55.0  | 45.5  | 68.3  |



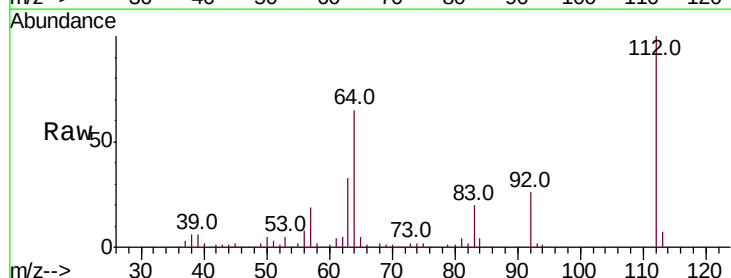
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



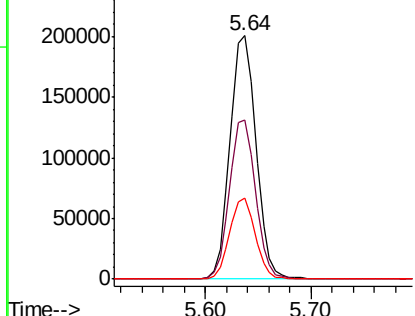
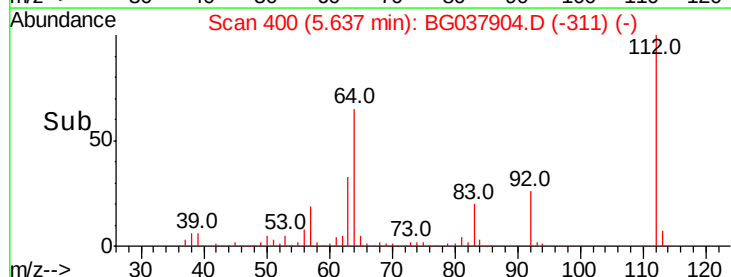
#5

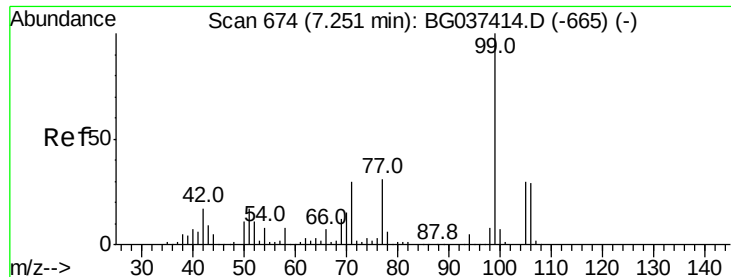
2-Fluorophenol  
Concen: 118.145 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG037904.D  
Acq: 9 Nov 2018 4:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.2  | 53.1  | 79.7  |
| 63      | 33.1  | 27.3  | 40.9  |



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: 114.826 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.02 min

Lab File: BG037904.D

Acq: 9 Nov 2018 4:20

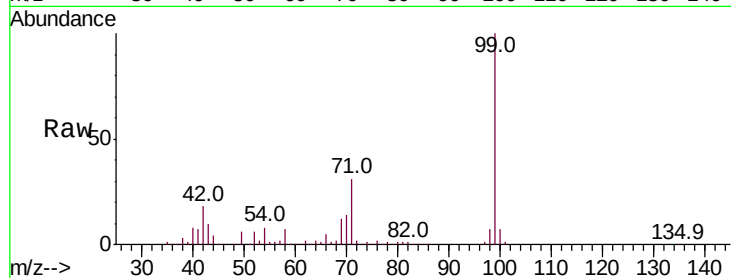
Tot Ion: 99 Resp: 503751

Ion Ratio Lower Upper

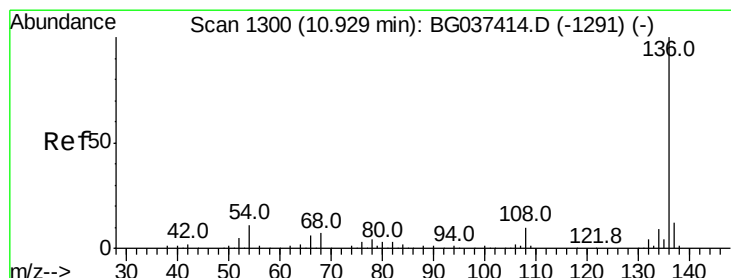
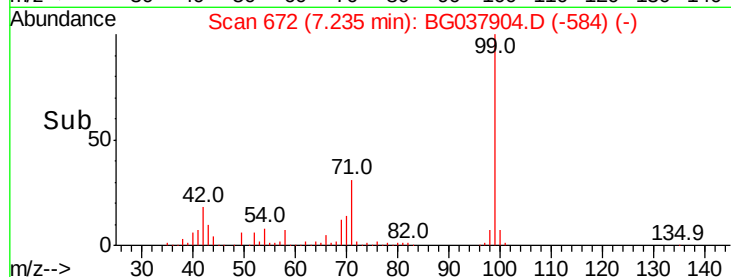
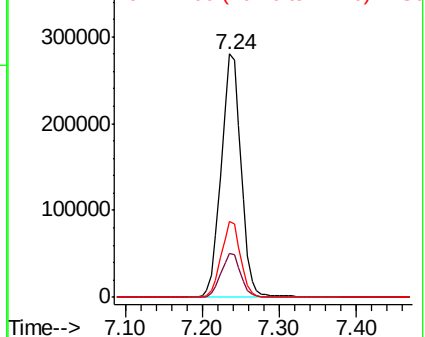
99 100

42 18.0 15.0 22.4

71 31.1 25.5 38.3



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: 10.91 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BG037904.D

Acq: 9 Nov 2018 4:20

Tgt Ion: 136 Resp: 222205

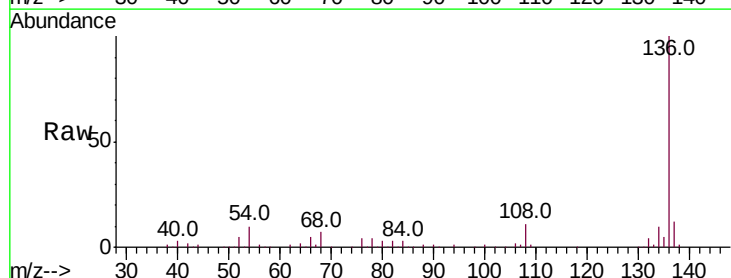
Ion Ratio Lower Upper

136 100

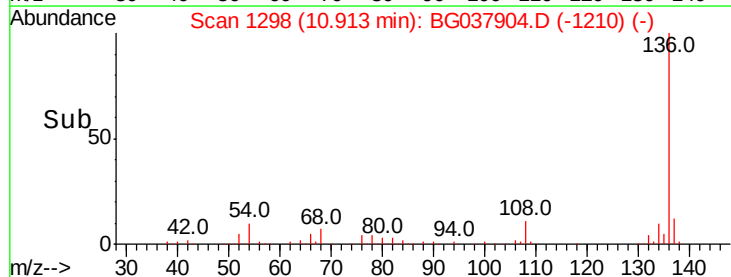
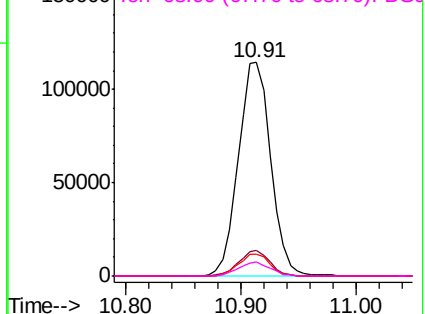
137 12.1 9.6 14.4

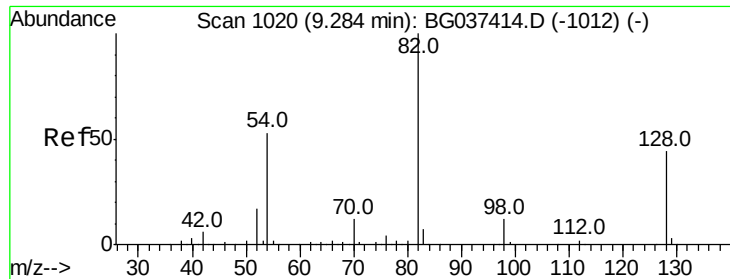
54 10.5 7.9 11.9

68 6.9 4.8 7.2



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: 75.927 ng

RT: 9.27 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BG037904.D

Acq: 9 Nov 2018 4:20

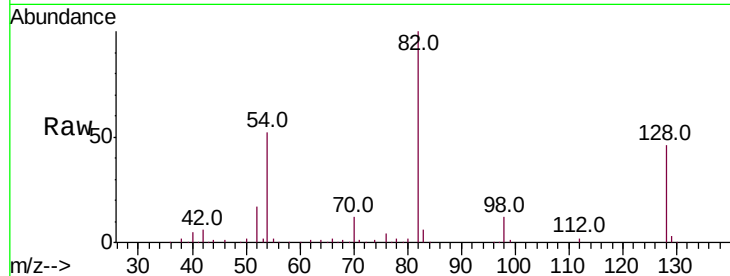
Tot Ion: 82 Resp: 301174

Ion Ratio Lower Upper

82 100

128 45.8 34.6 51.8

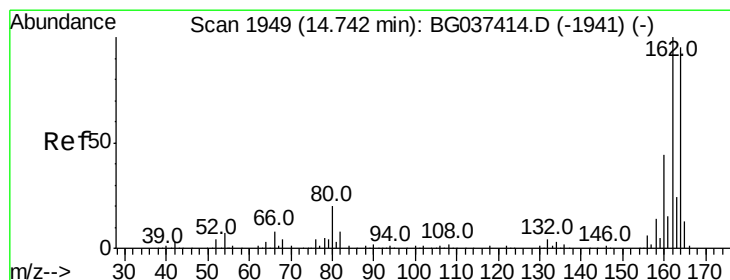
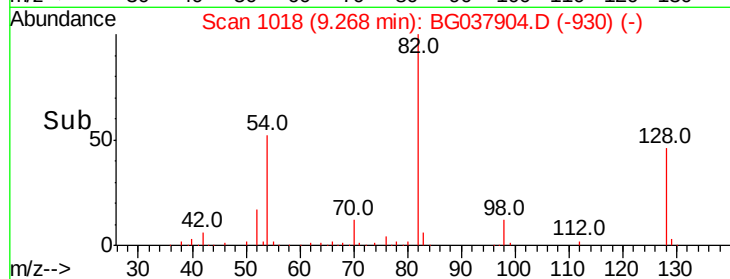
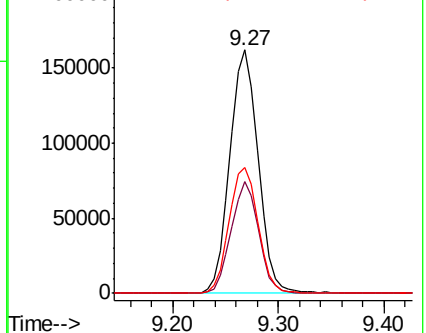
54 51.5 45.3 67.9



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG037904.D

Acq: 9 Nov 2018 4:20

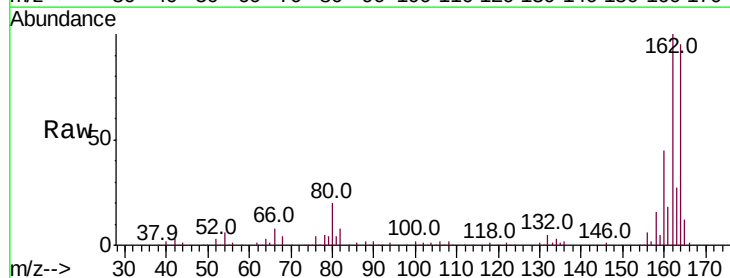
Tgt Ion: 164 Resp: 148754

Ion Ratio Lower Upper

164 100

162 104.8 81.3 121.9

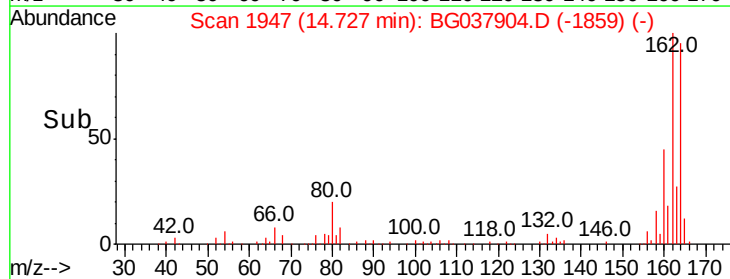
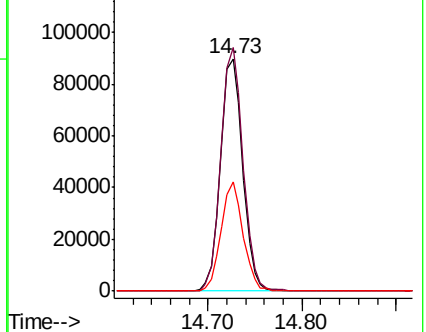
160 47.2 36.3 54.5

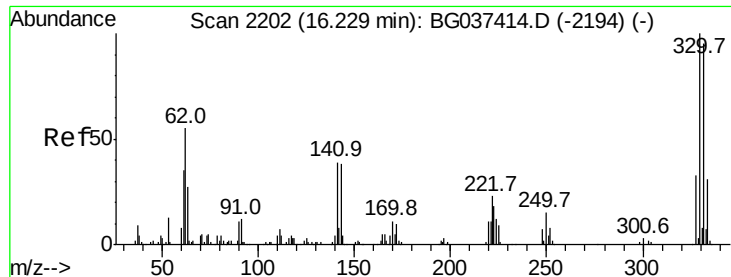


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

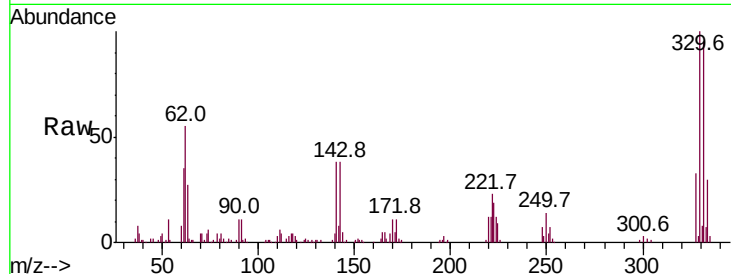
Ion 160.00 (159.70 to 160.70): BGC



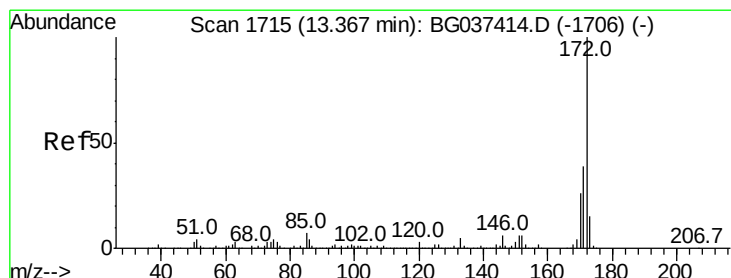
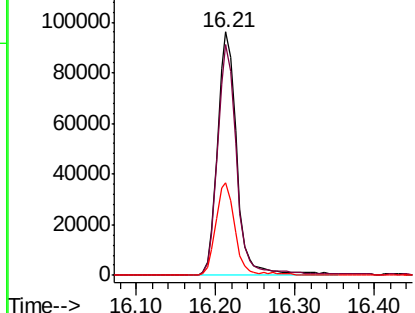
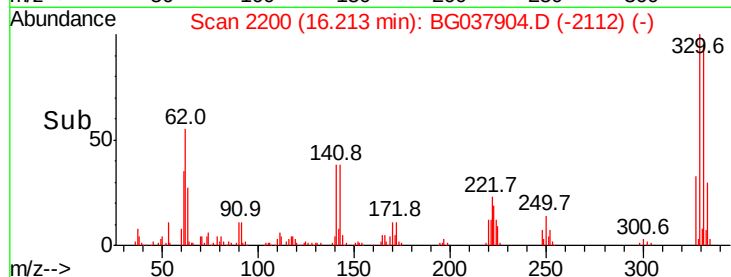


#42  
 2,4,6-Tribromophenol  
 Concen: 100.654 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. -0.02 min  
 Lab File: BG037904.D  
 Acq: 9 Nov 2018 4:20

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.0  | 78.4  | 117.6 |
| 141     | 37.9  | 32.2  | 48.2  |

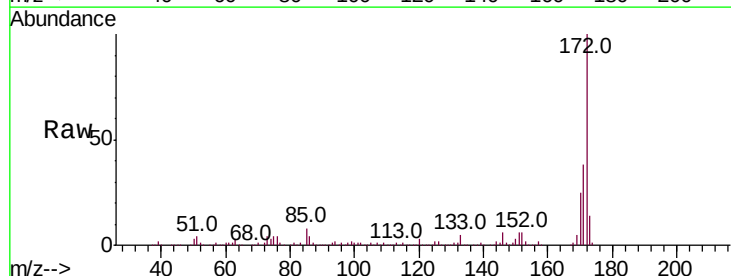


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

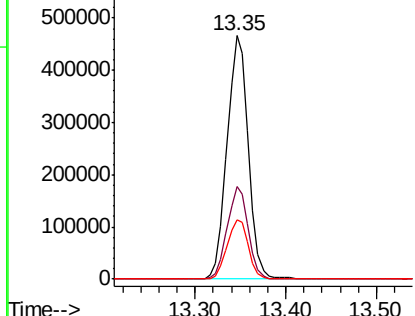
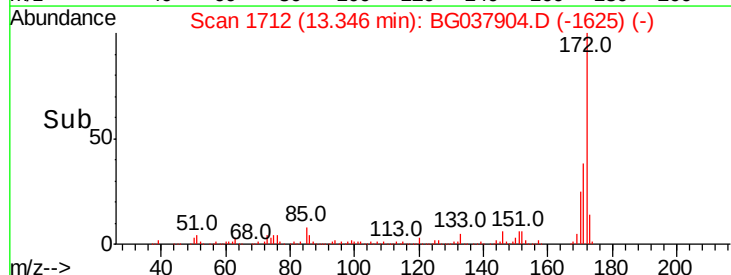


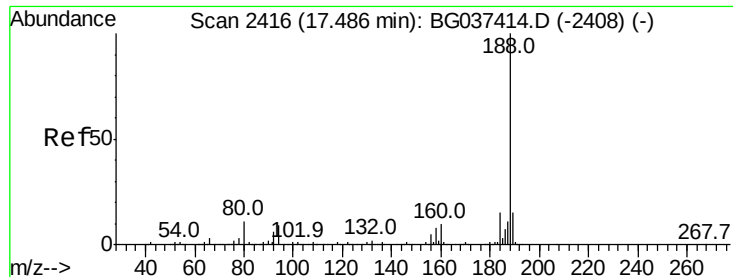
#45  
 2-Fluorobiphenyl  
 Concen: 76.769 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.02 min  
 Lab File: BG037904.D  
 Acq: 9 Nov 2018 4:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 31.0  | 46.4  |
| 170     | 24.6  | 20.2  | 30.2  |



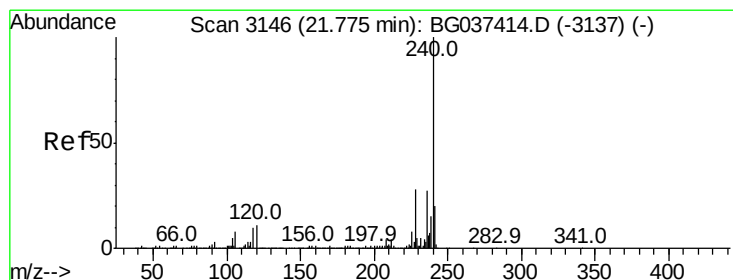
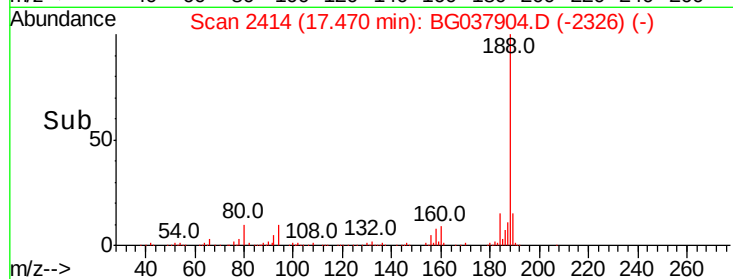
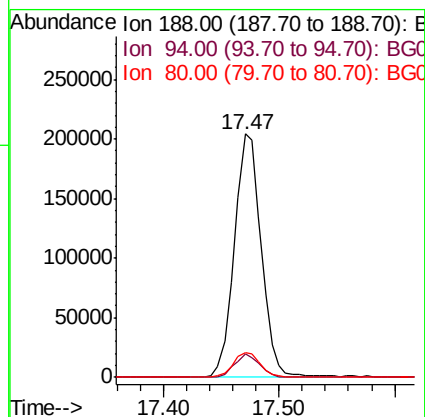
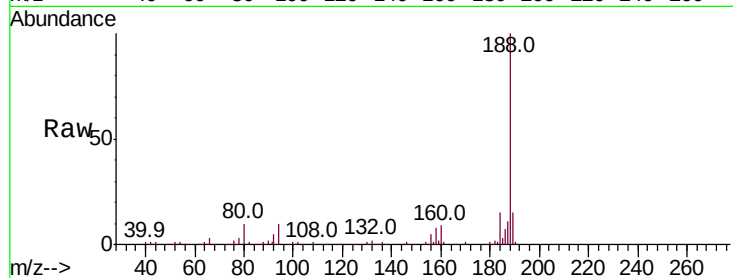
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





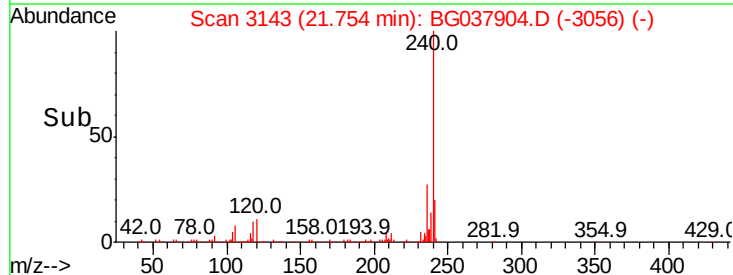
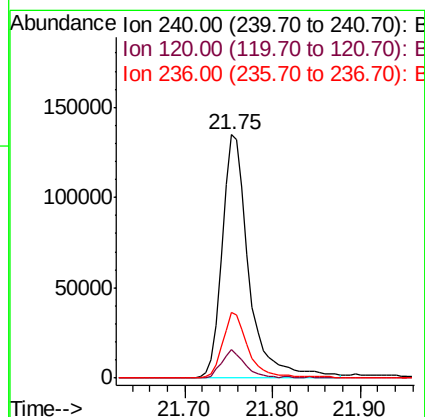
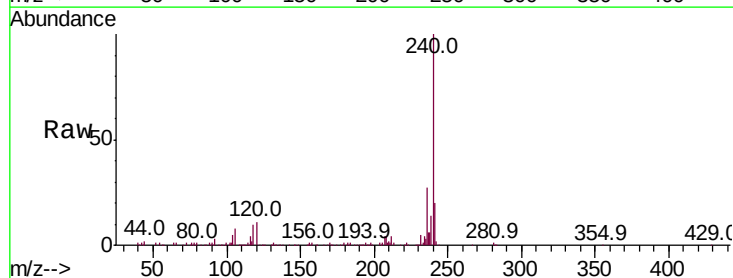
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.47 min Scan# 2414  
Delta R.T. -0.02 min  
Lab File: BG037904.D  
Acq: 9 Nov 2018 4:20

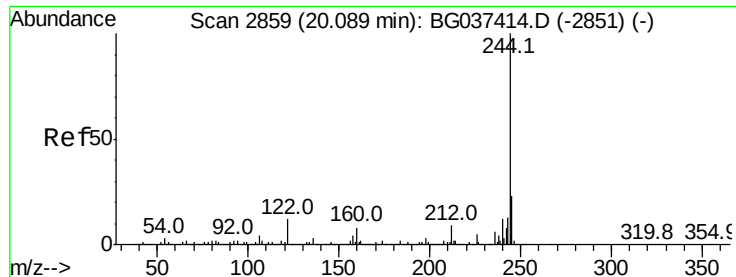
Tot Ion:188 Resp: 328438  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.2 10.8  
80 10.0 7.7 11.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.75 min Scan# 3143  
Delta R.T. -0.02 min  
Lab File: BG037904.D  
Acq: 9 Nov 2018 4:20

Tgt Ion:240 Resp: 284933  
Ion Ratio Lower Upper  
240 100  
120 11.5 8.1 12.1  
236 27.0 21.4 32.0

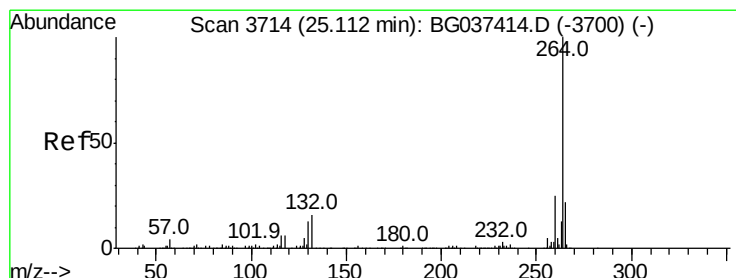
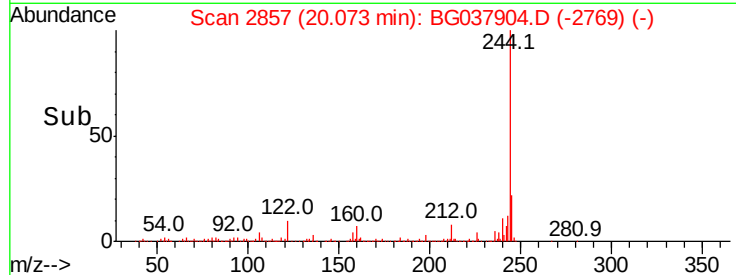
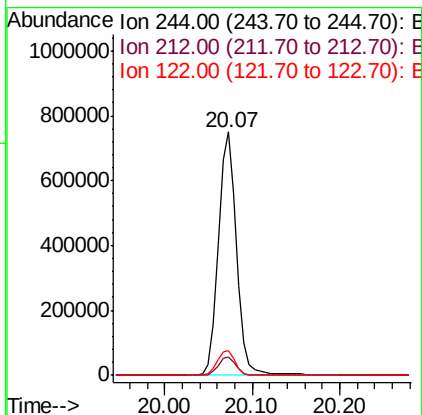
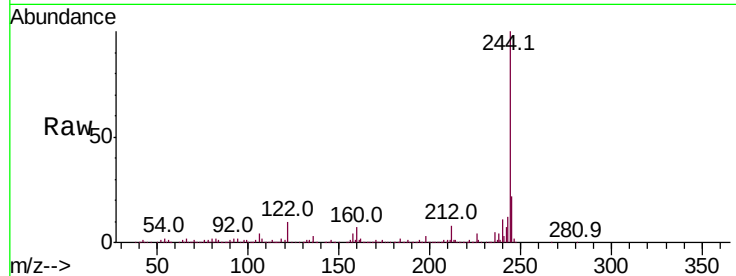




#79  
 Terphenyl-d14  
 Concen: 81.005 ng  
 RT: 20.07 min Scan# 2857  
 Delta R.T. -0.02 min  
 Lab File: BG037904.D  
 Acq: 9 Nov 2018 4:20

Tot Ion:244 Resp: 1080179

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 6.5   | 9.7   |
| 122 | 10.2  | 9.0   | 13.4  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.08 min Scan# 3710  
 Delta R.T. -0.03 min  
 Lab File: BG037904.D  
 Acq: 9 Nov 2018 4:20

Tgt Ion:264 Resp: 233281

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.7  | 18.2  | 27.4  |
| 265 | 20.0  | 17.9  | 26.9  |

