

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111518\  
 Data File : BG038022.D  
 Acq On : 15 Nov 2018 17:39  
 Operator : JU/SJ  
 Sample : PB114835BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 16 06:41:14 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 16:39:28 2018  
 Response via : Initial Calibration

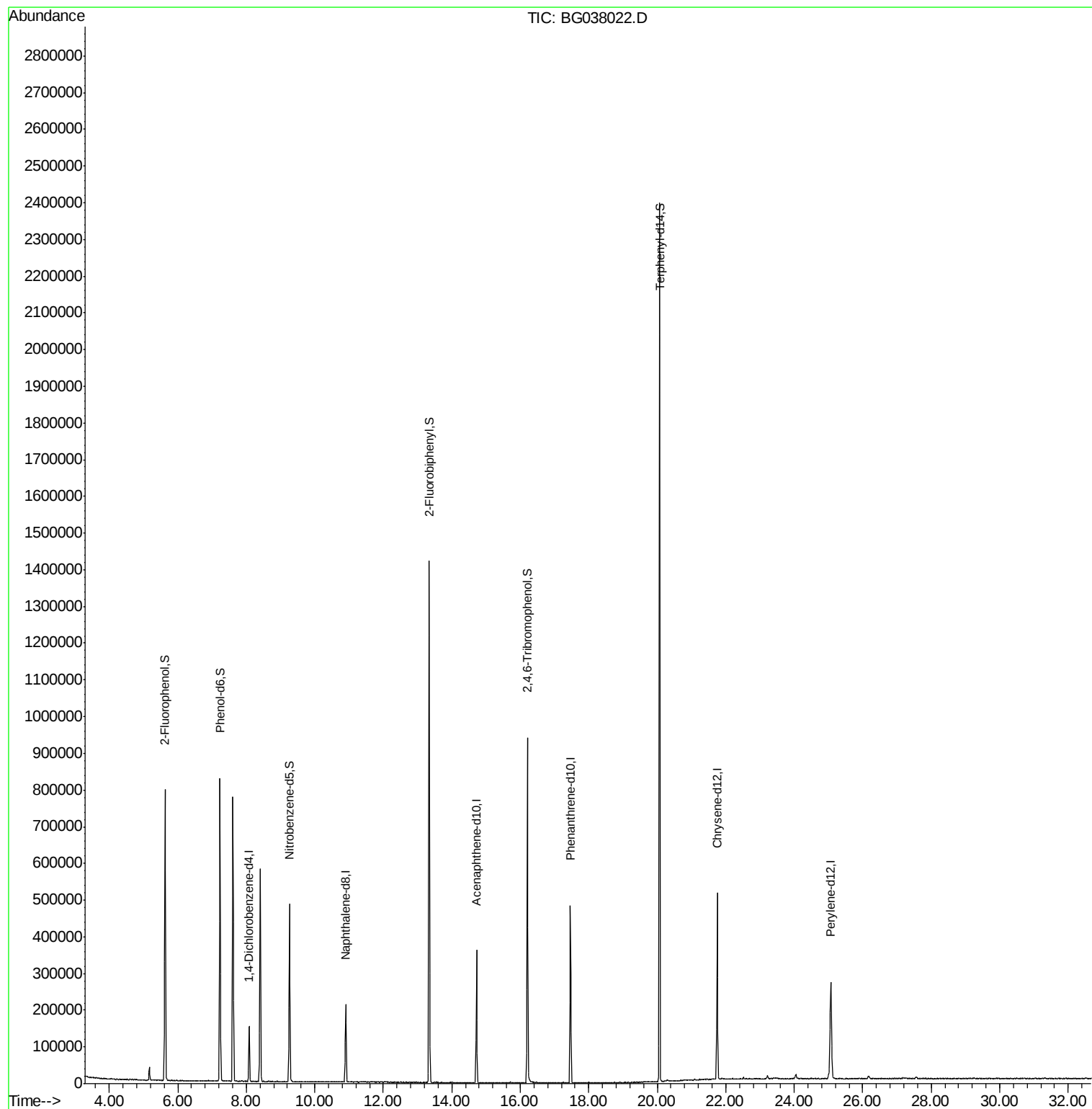
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 44574    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.90 | 136  | 193041   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.72 | 164  | 125507   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.47 | 188  | 307028   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.75 | 240  | 297155   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.07 | 264  | 296664   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 364881   | 141.34 | ng    | 0.00     |
| 7) Phenol-d6                | 7.23  | 99   | 501821   | 136.17 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.26  | 82   | 300495   | 83.33  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.21 | 330  | 174043   | 121.59 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.34 | 172  | 740726   | 85.98  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.07 | 244  | 1153810  | 91.36  | ng    | 0.00     |

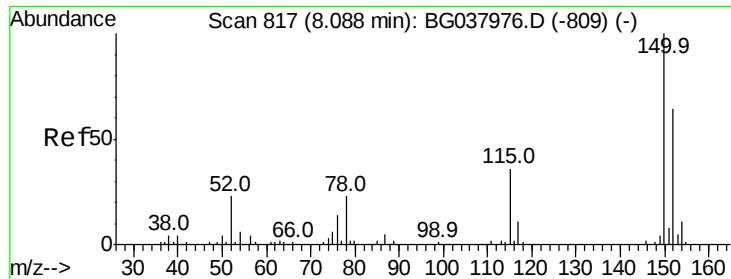
Target Compounds Qvalue

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

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Acq On : 15 Nov 2018 17:39  
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Sample : PB114835BL  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

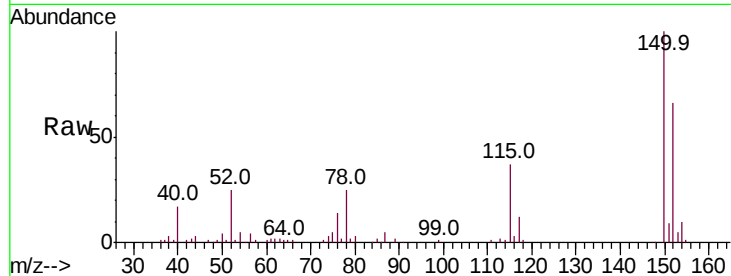
Quant Time: Nov 16 06:41:14 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 13 16:39:28 2018  
Response via : Initial Calibration



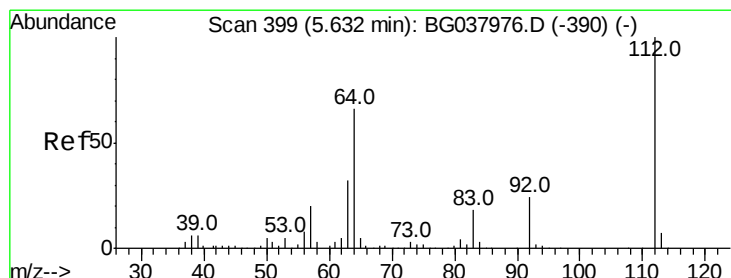
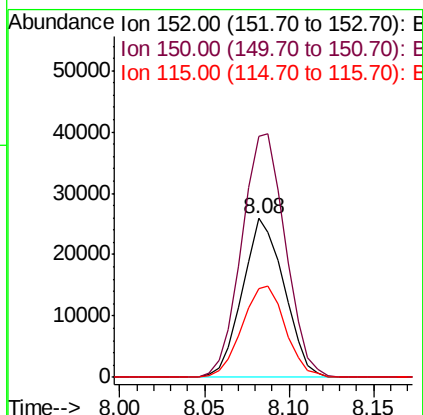
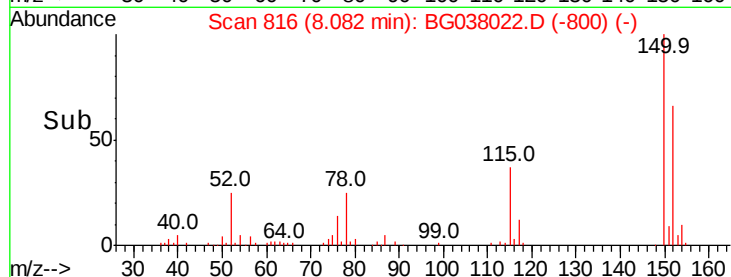


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.08 min Scan# 816  
 Delta R.T. -0.01 min  
 Lab File: BG038022.D  
 Acq: 15 Nov 2018 17:39

Tot Ion:152 Resp: 44574  
 Ion Ratio Lower Upper  
 152 100  
 150 152.1 126.0 189.0  
 115 56.2 45.5 68.3

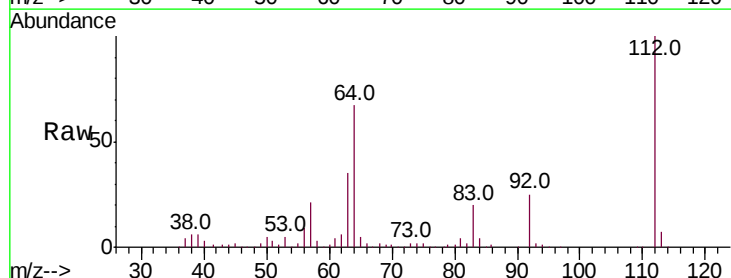


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

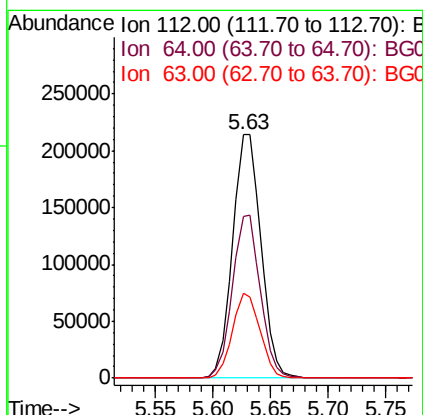
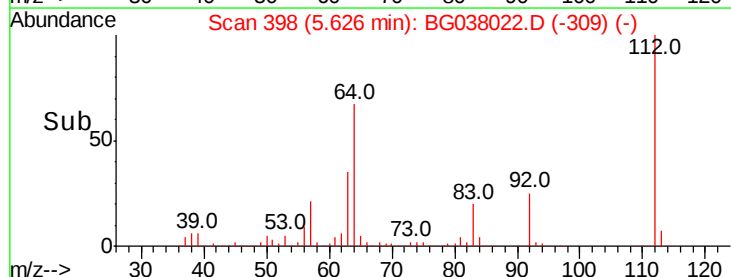


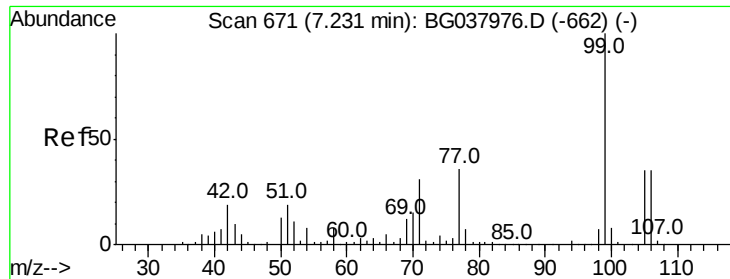
#5  
 2-Fluorophenol  
 Concen: 141.336 ng  
 RT: 5.63 min Scan# 398  
 Delta R.T. -0.01 min  
 Lab File: BG038022.D  
 Acq: 15 Nov 2018 17:39

Tgt Ion:112 Resp: 364881  
 Ion Ratio Lower Upper  
 112 100  
 64 66.6 53.1 79.7  
 63 34.7 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: 136.173 ng

RT: 7.23 min Scan# 671

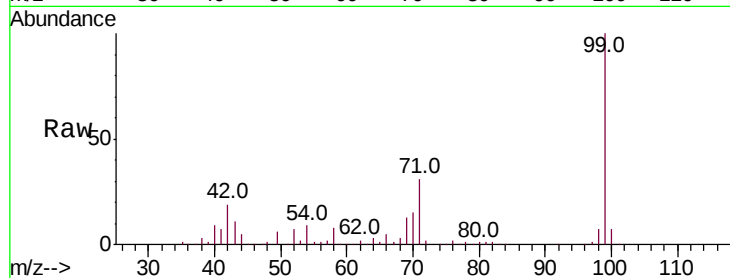
Delta R.T. -0.00 min

Lab File: BG038022.D

Acq: 15 Nov 2018 17:39

Tot Ion: 99 Resp: 501821

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.1  | 15.0  | 22.4  |
| 71  | 31.0  | 25.5  | 38.3  |

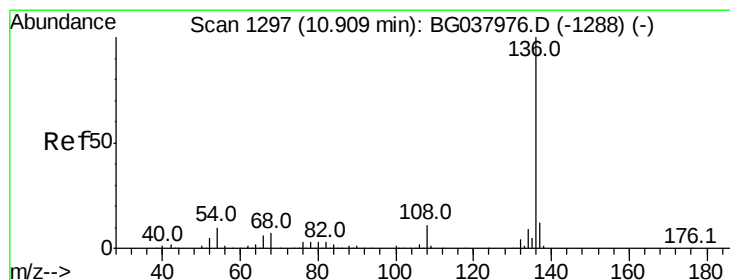
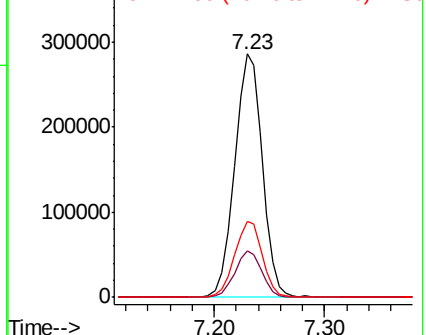
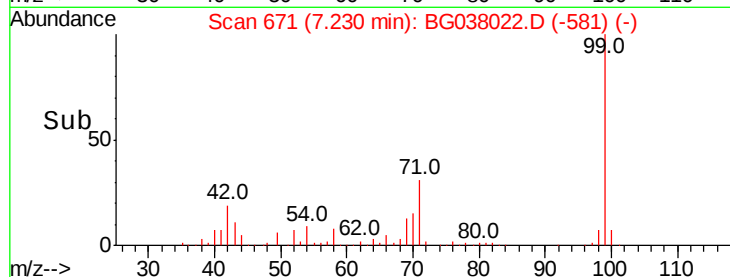


Abundance

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: 10.90 min Scan# 1296

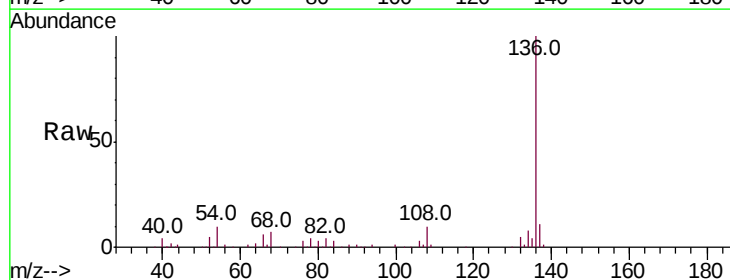
Delta R.T. -0.01 min

Lab File: BG038022.D

Acq: 15 Nov 2018 17:39

Tgt Ion: 136 Resp: 193041

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 9.6   | 14.4  |
| 54  | 10.3  | 7.9   | 11.9  |
| 68  | 6.7   | 4.8   | 7.2   |



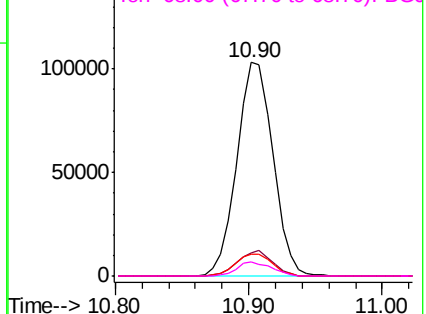
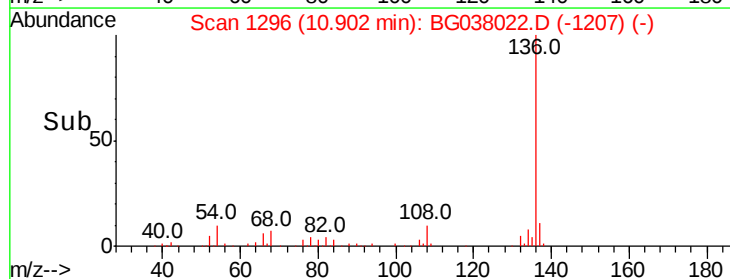
Abundance

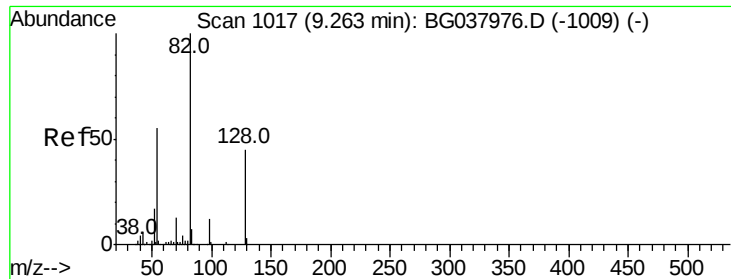
Ion 136.00 (135.70 to 136.70): BGC

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: 83.327 ng

RT: 9.26 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BG038022.D

Acq: 15 Nov 2018 17:39

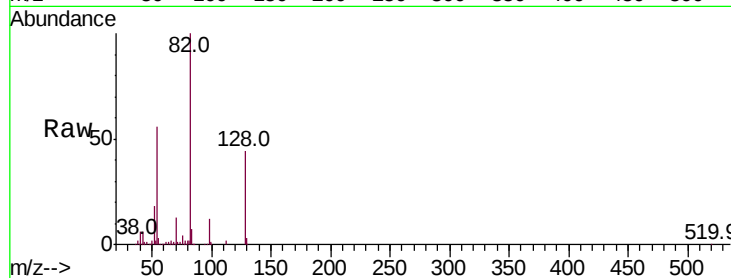
Tot Ion: 82 Resp: 300495

Ion Ratio Lower Upper

82 100

128 43.6 34.6 51.8

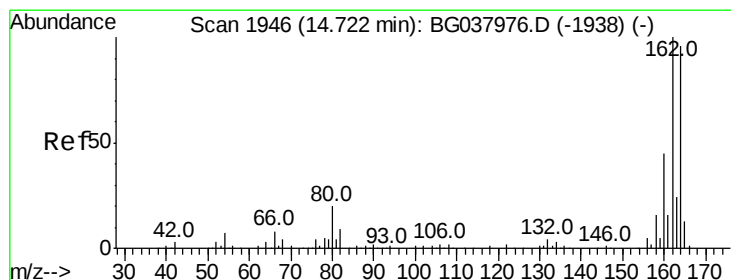
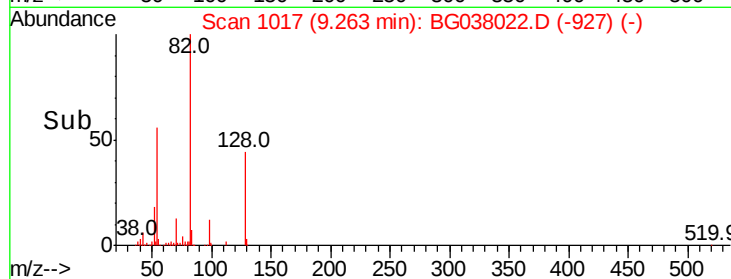
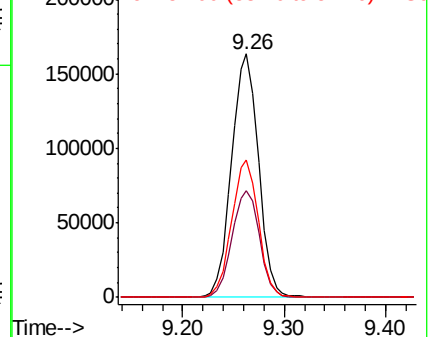
54 56.2 45.3 67.9



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: 14.72 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BG038022.D

Acq: 15 Nov 2018 17:39

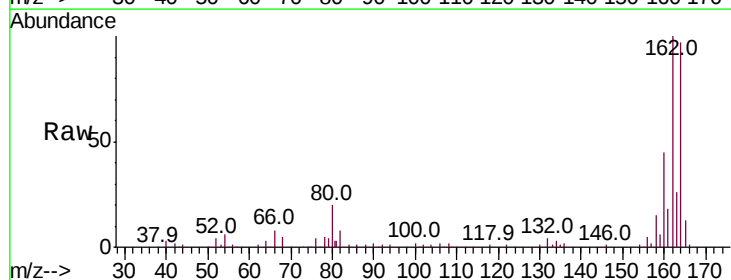
Tgt Ion: 164 Resp: 125507

Ion Ratio Lower Upper

164 100

162 103.1 81.3 121.9

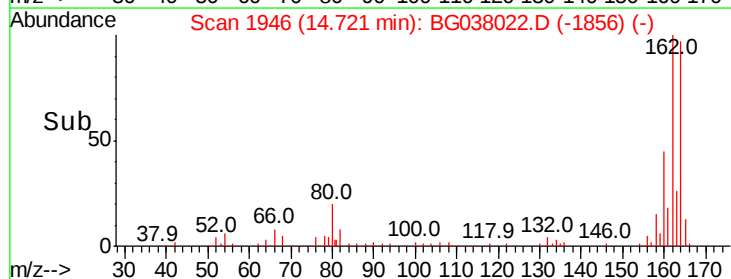
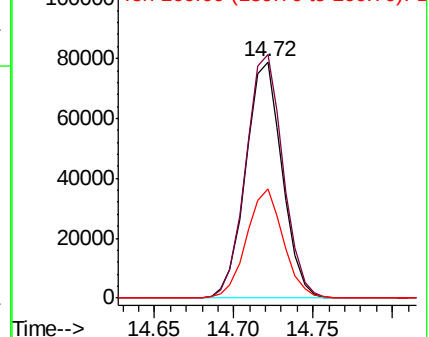
160 46.3 36.3 54.5

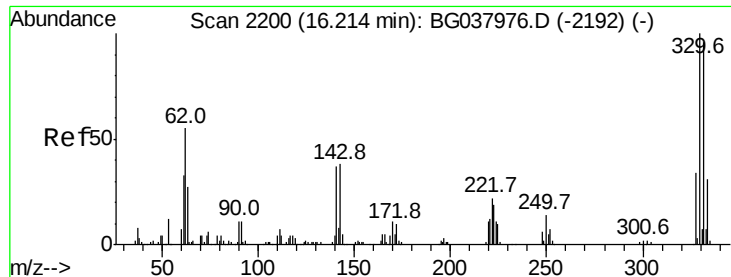


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

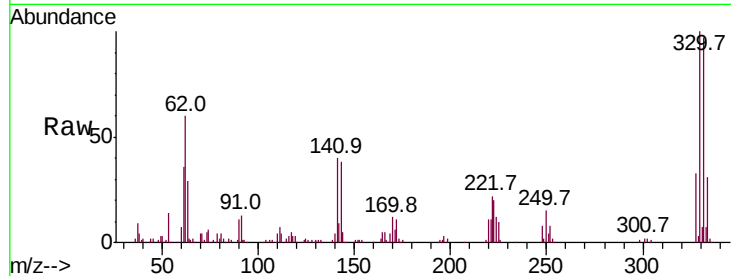
Ion 160.00 (159.70 to 160.70): BGC





#42  
 2,4,6-Tribromophenol  
 Concen: 121.591 ng  
 RT: 16.21 min Scan# 2199  
 Delta R.T. -0.01 min  
 Lab File: BG038022.D  
 Acq: 15 Nov 2018 17:39

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 78.4  | 117.6 |
| 141     | 39.4  | 32.2  | 48.2  |

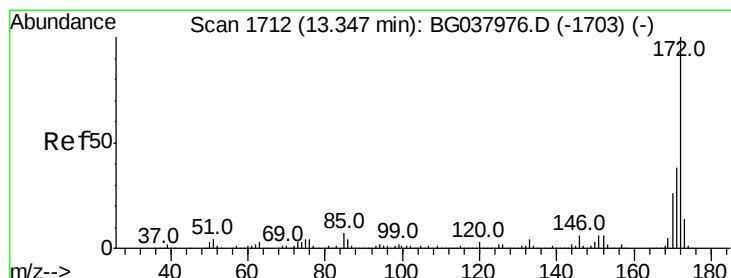
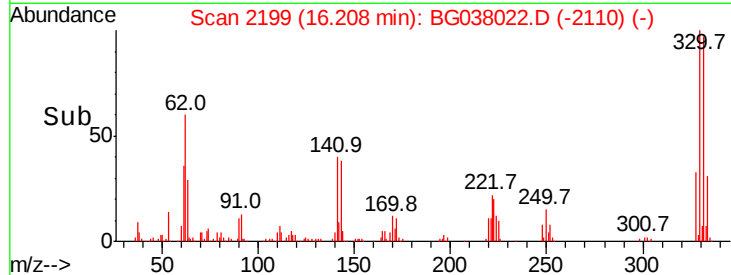
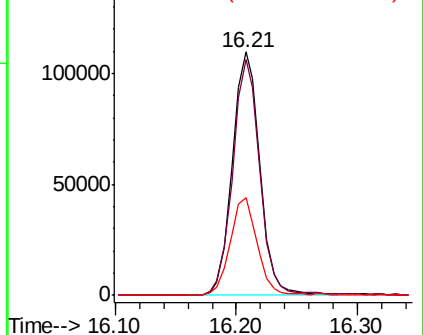


Abundance

Ion 329.80 (329.50 to 330.50): E

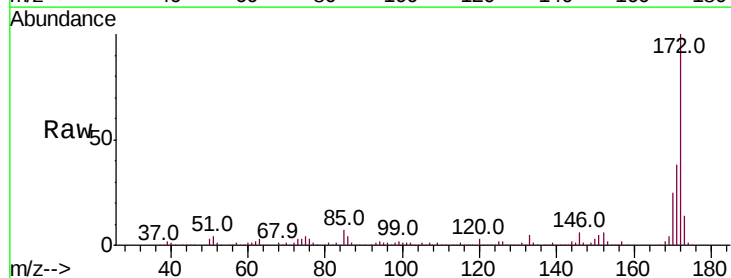
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 85.981 ng  
 RT: 13.34 min Scan# 1711  
 Delta R.T. -0.01 min  
 Lab File: BG038022.D  
 Acq: 15 Nov 2018 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 31.0  | 46.4  |
| 170     | 24.7  | 20.2  | 30.2  |

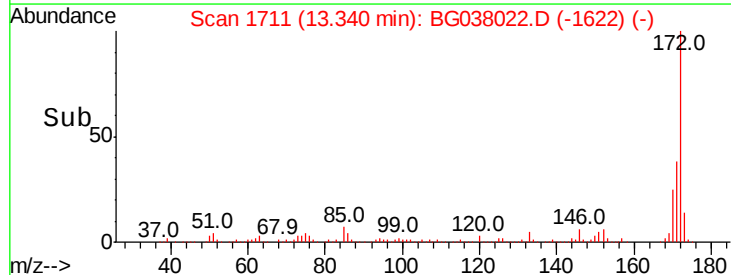
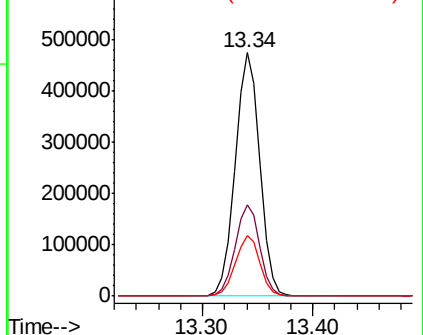


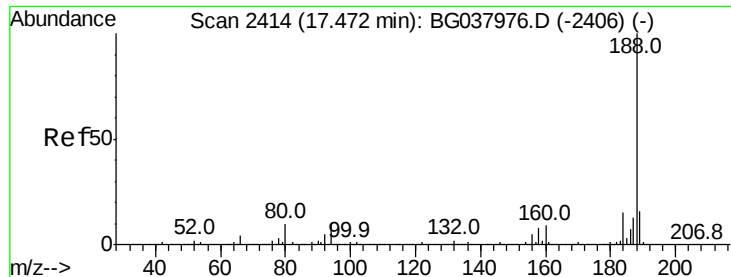
Abundance

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# 2413

Delta R.T. -0.01 min

Lab File: BG038022.D

Acq: 15 Nov 2018 17:39

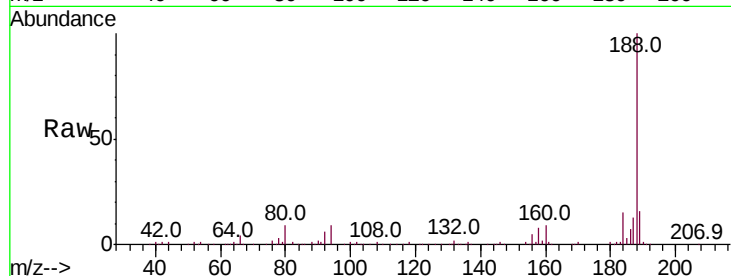
Tot Ion:188 Resp: 307028

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

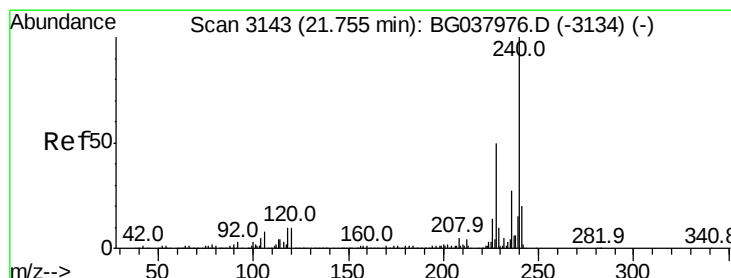
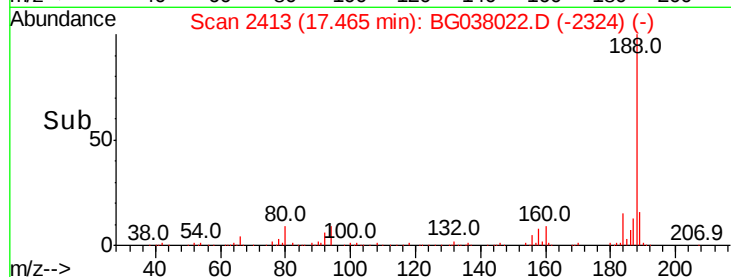
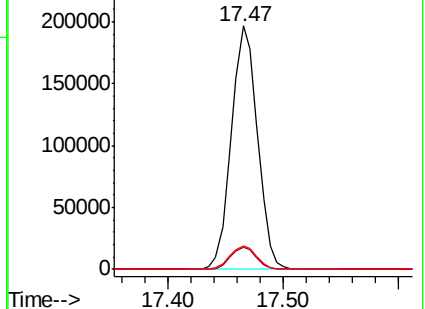
80 9.4 7.7 11.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG038022.D

Acq: 15 Nov 2018 17:39

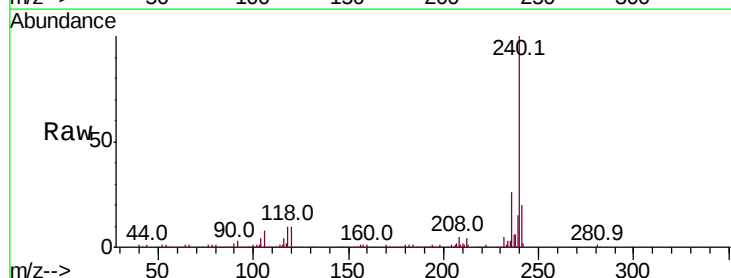
Tgt Ion:240 Resp: 297155

Ion Ratio Lower Upper

240 100

120 9.8 8.1 12.1

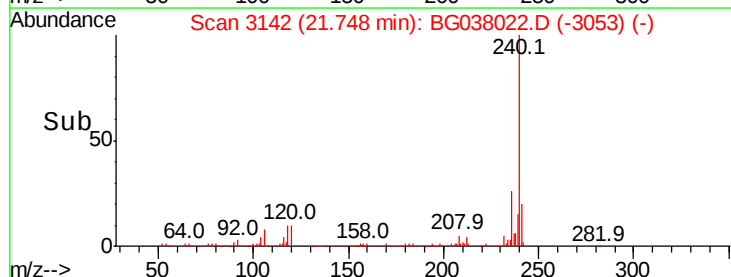
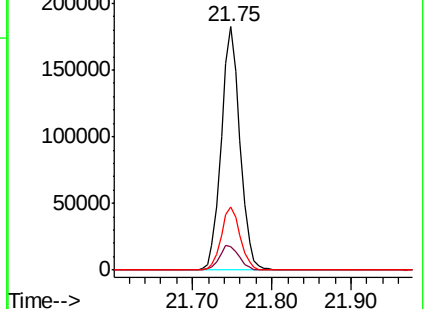
236 25.8 21.4 32.0

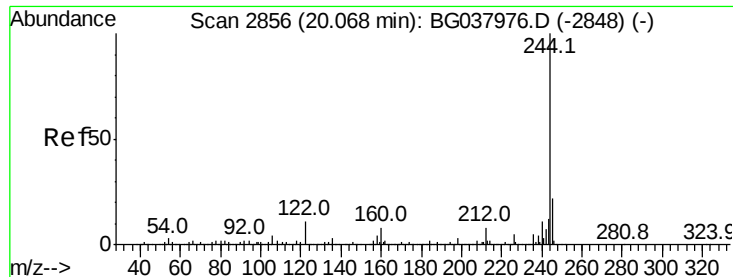


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 91.364 ng

RT: 20.07 min Scan# 2856

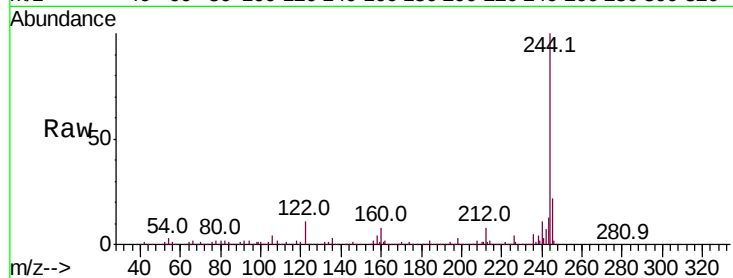
Delta R.T. -0.00 min

Lab File: BG038022.D

Acq: 15 Nov 2018 17:39

Tot Ion:244 Resp: 1153810

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.0   | 6.5   | 9.7   |
| 122 | 10.7  | 9.0   | 13.4  |

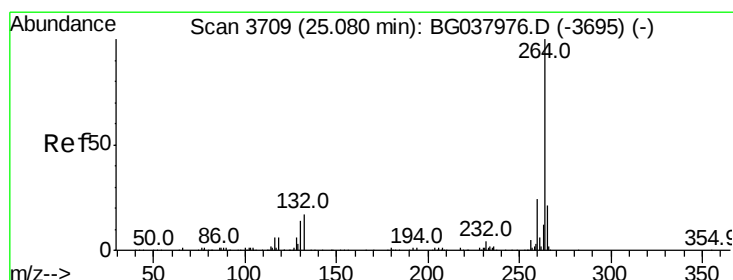
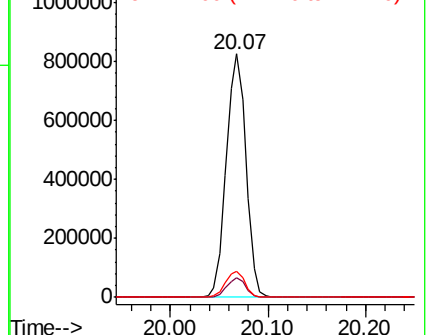
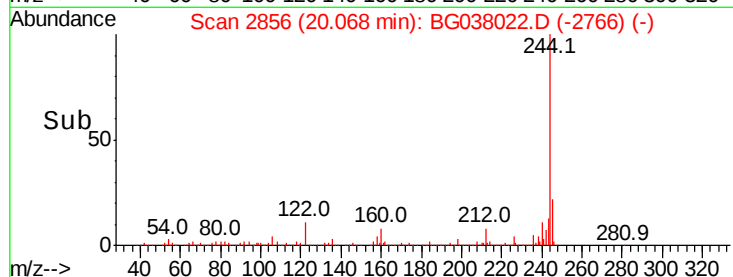


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3707

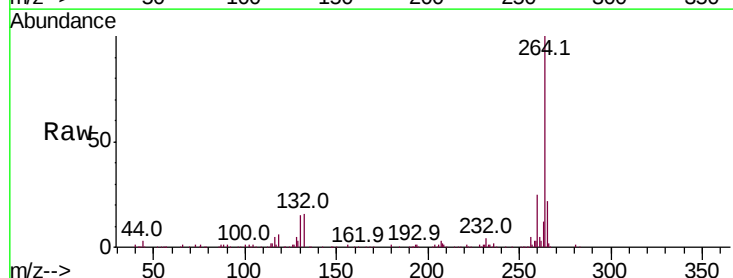
Delta R.T. -0.01 min

Lab File: BG038022.D

Acq: 15 Nov 2018 17:39

Tgt Ion:264 Resp: 296664

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.0  | 18.2  | 27.4  |
| 265 | 21.9  | 17.9  | 26.9  |



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

