

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG110818\  
 Data File : BG037912.D  
 Acq On : 9 Nov 2018 9:30  
 Operator : JU/SJ  
 Sample : J5851-11  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

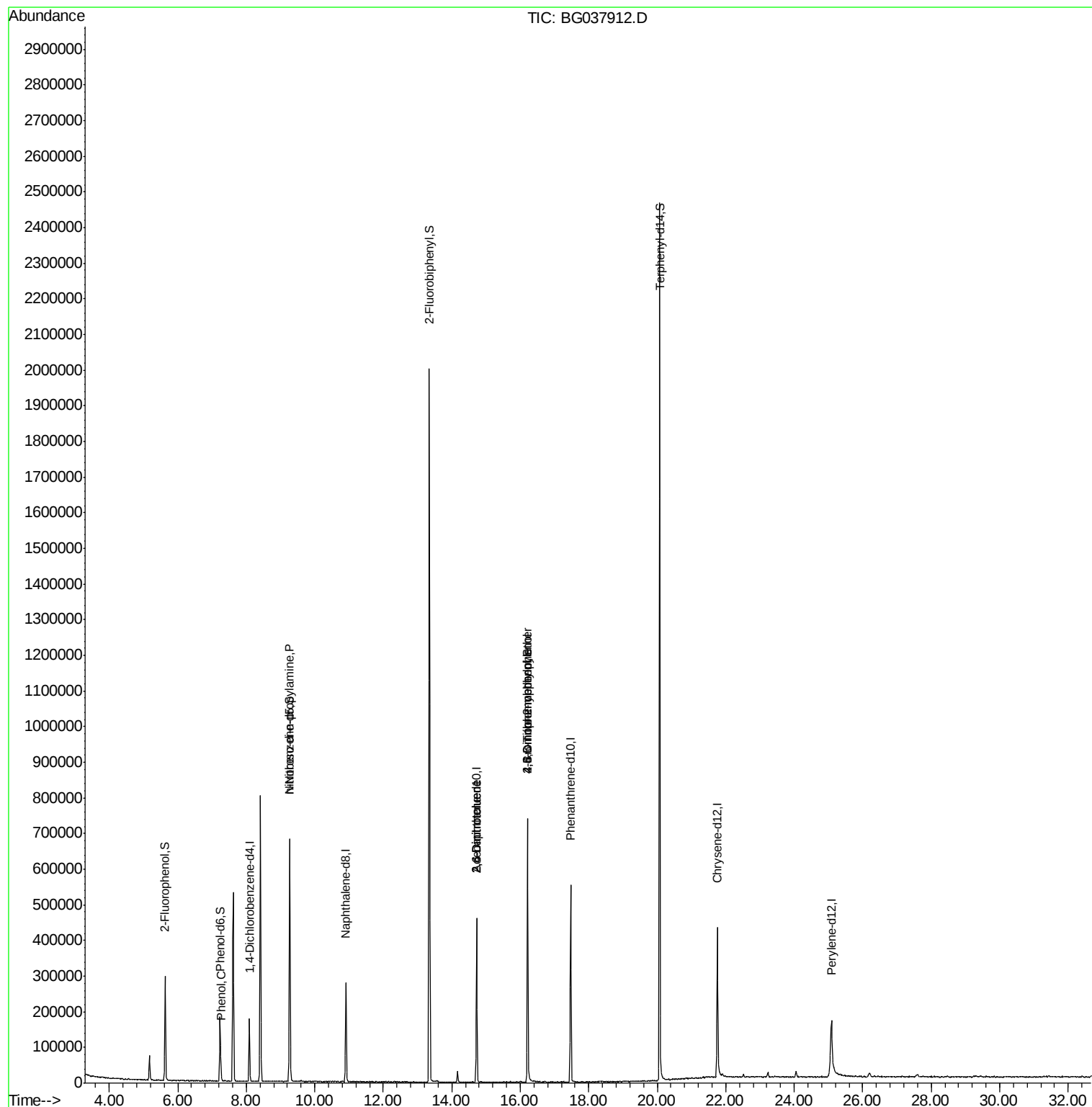
Quant Time: Nov 09 14:45:40 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.09  | 152  | 55556    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.91 | 136  | 255751   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.73 | 164  | 165681   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 17.47 | 188  | 355118   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.76 | 240  | 313707   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 25.08 | 264  | 250516   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 138599   | 41.71  | ng    | -0.01    |
| 7) Phenol-d6                   | 7.23  | 99   | 121487   | 24.18  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.27  | 82   | 441632   | 96.73  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.21 | 330  | 145046   | 80.27  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 13.35 | 172  | 1090777  | 99.28  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.07 | 244  | 1281845  | 87.31  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.27  | 94   | 18112    | 3.416  | ng    | 93       |
| 19) n-Nitroso-di-n-propylamine | 9.27  | 70   | 55139    | 15.935 | ng    | # 72     |
| 51) 2,6-Dinitrotoluene         | 14.72 | 165  | 20988    | 7.402  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene         | 14.72 | 165  | 20988    | 5.639  | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 387      | 8.678  | ng    | # 75     |
| 67) 4-Bromophenyl-phenylether  | 16.21 | 248  | 10427    | 2.674  | ng    | # 1      |

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

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ALS Vial : 29 Sample Multiplier: 1

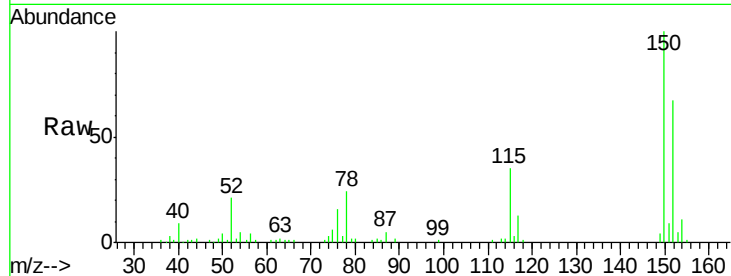
Quant Time: Nov 09 14:45:40 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 18 14:06:42 2018  
Response via : Initial Calibration



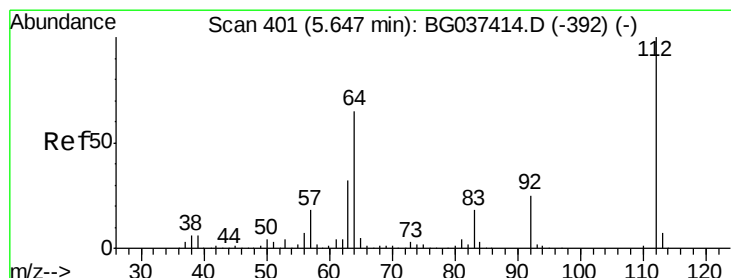
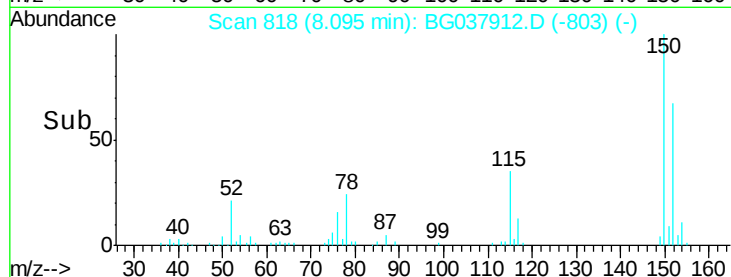
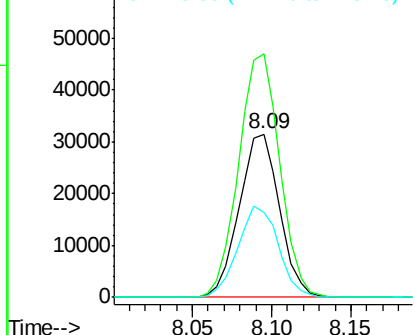


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.09 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

Tgt Ion:152 Resp: 55556  
 Ion Ratio Lower Upper  
 152 100  
 150 149.2 126.0 189.0  
 115 51.9 45.5 68.3

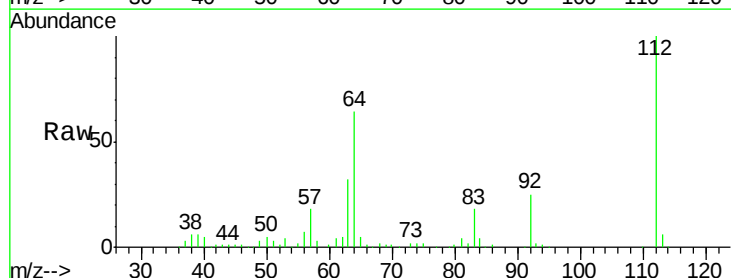


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

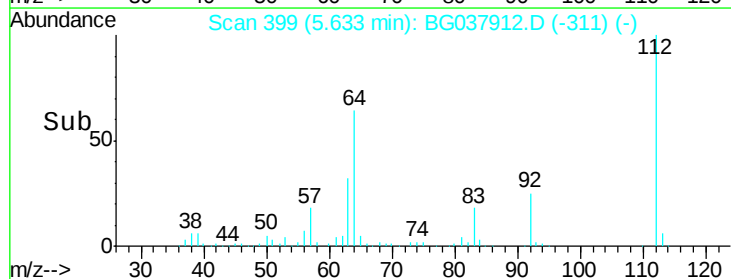
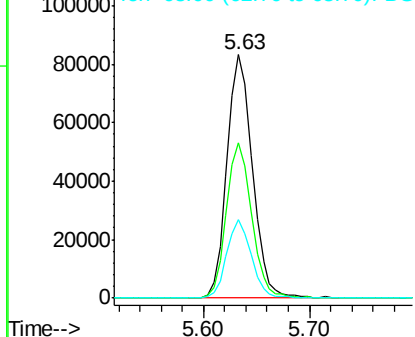


#5  
 2-Fluorophenol  
 Concen: 41.709 ng  
 RT: 5.63 min Scan# 399  
 Delta R.T. -0.01 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

Tgt Ion:112 Resp: 138599  
 Ion Ratio Lower Upper  
 112 100  
 64 63.7 53.1 79.7  
 63 32.4 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: 24.177 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037912.D

Acq: 9 Nov 2018 9:30

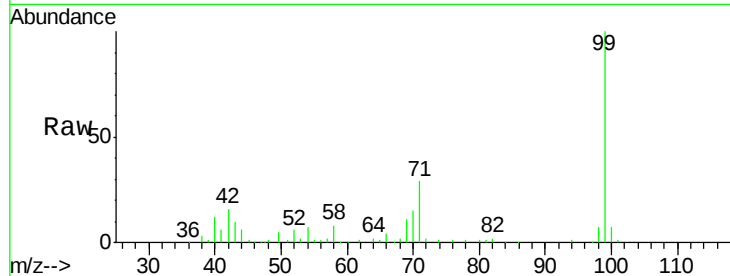
Tgt Ion: 99 Resp: 121487

Ion Ratio Lower Upper

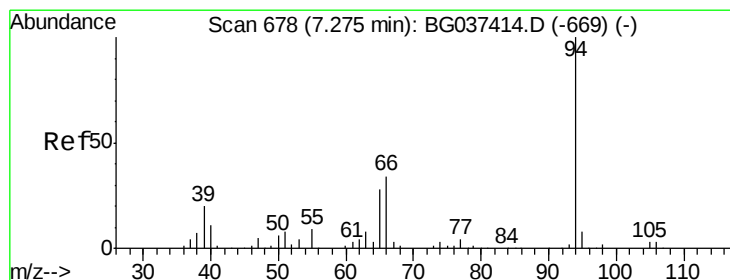
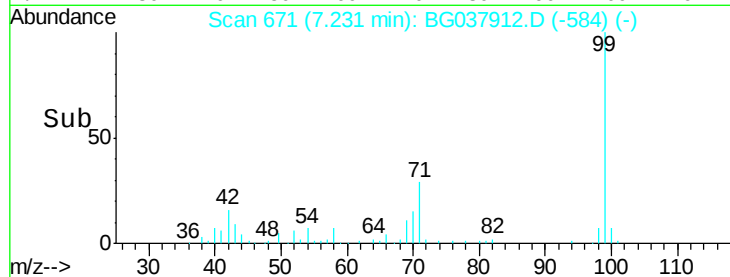
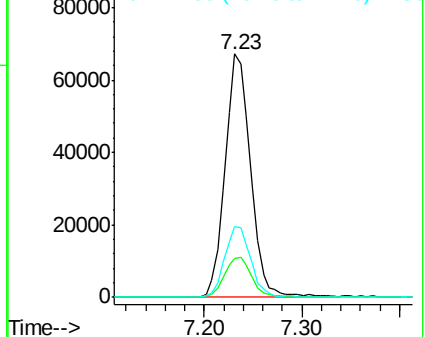
99 100

42 15.9 15.0 22.4

71 29.2 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



#10

Phenol

Concen: 3.416 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037912.D

Acq: 9 Nov 2018 9:30

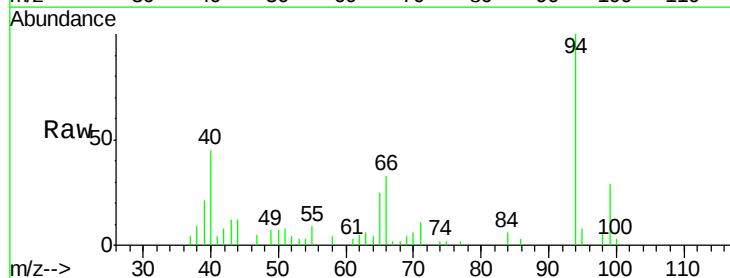
Tgt Ion: 94 Resp: 18112

Ion Ratio Lower Upper

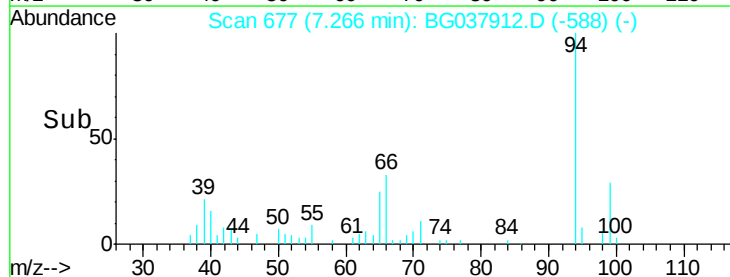
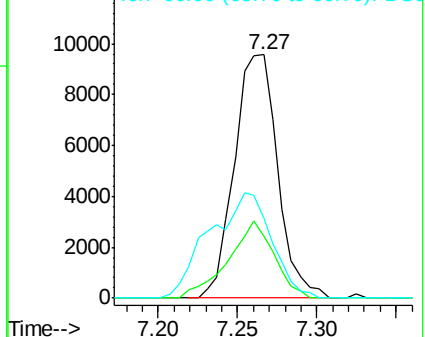
94 100

65 25.3 9.7 49.7

66 32.6 15.9 55.9



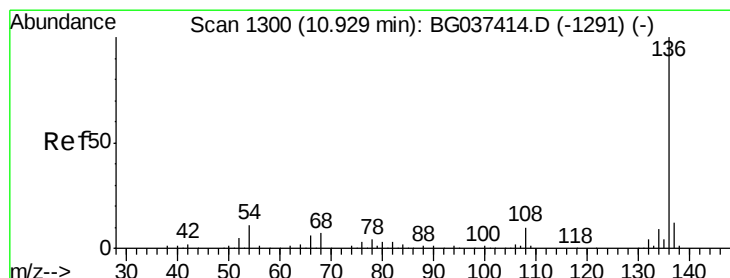
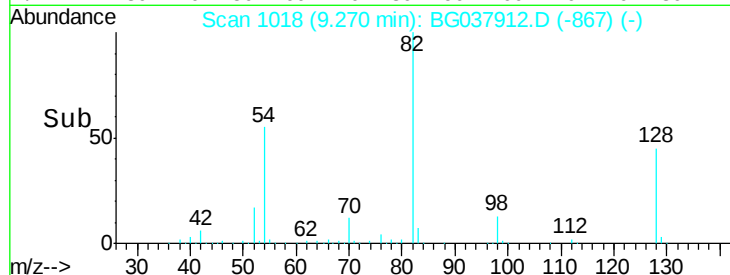
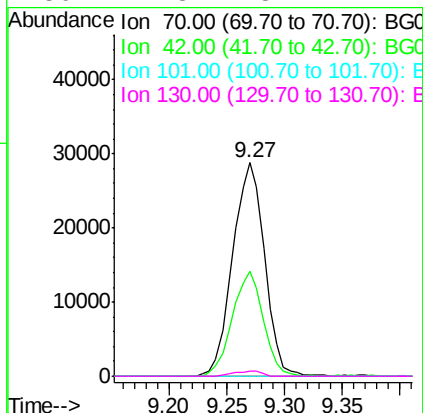
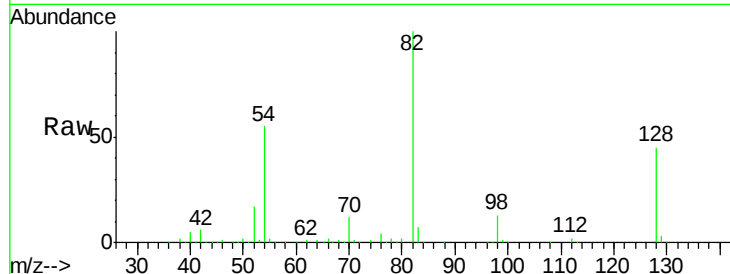
Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC





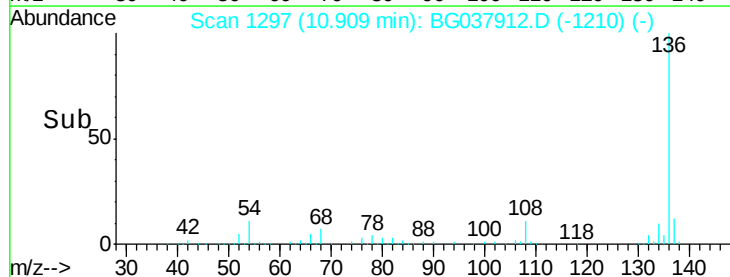
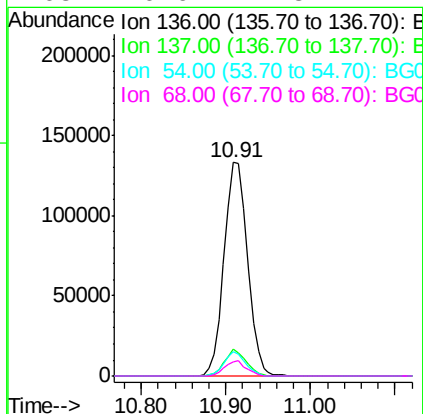
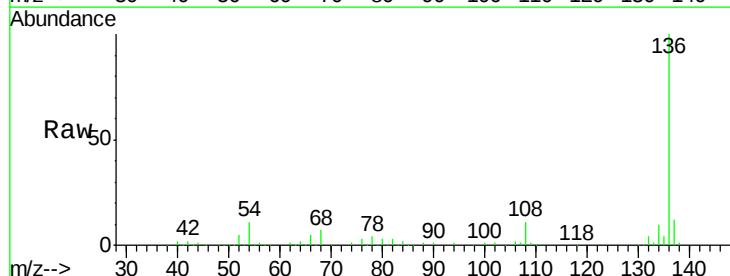
#19  
n-Nitroso-di-n-propylamine  
Concen: 15.935 ng  
RT: 9.27 min Scan# 1018  
Delta R.T. 0.36 min  
Lab File: BG037912.D  
Acq: 9 Nov 2018 9:30

Tgt Ion: 70 Resp: 55139  
Ion Ratio Lower Upper  
70 100  
42 49.2 53.9 80.9#  
101 0.0 8.2 12.2#  
130 2.3 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.91 min Scan# 1297  
Delta R.T. -0.02 min  
Lab File: BG037912.D  
Acq: 9 Nov 2018 9:30

Tgt Ion: 136 Resp: 255751  
Ion Ratio Lower Upper  
136 100  
137 12.4 9.6 14.4  
54 11.2 7.9 11.9  
68 6.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 96.734 ng

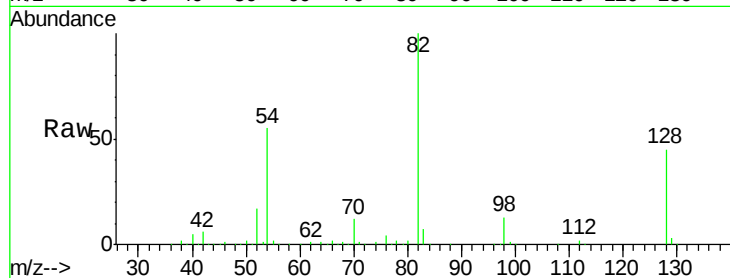
RT: 9.27 min Scan# 1018

Delta R.T. -0.01 min

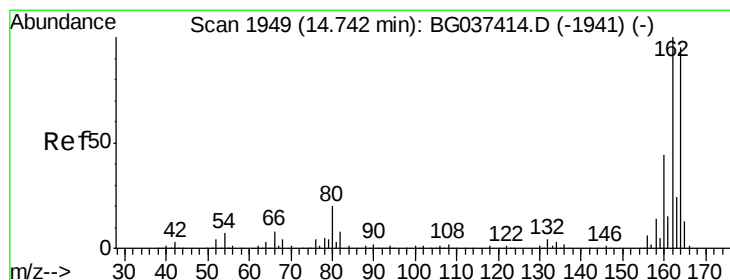
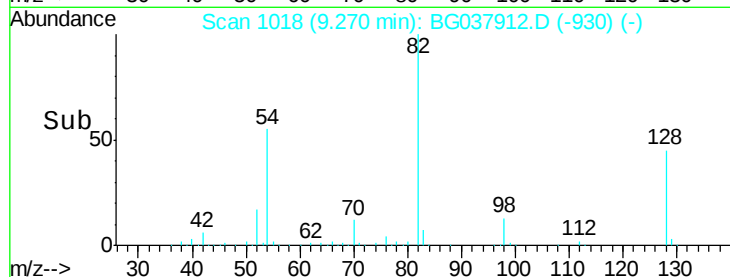
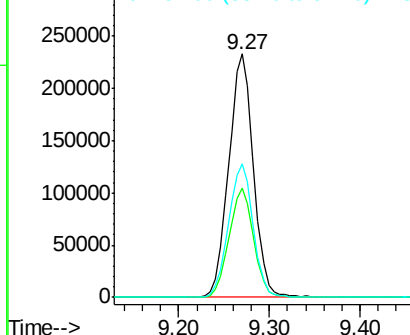
Lab File: BG037912.D

Acq: 9 Nov 2018 9:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 441632 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.9  | 34.6  | 51.8   |
| 54       | 55.1  | 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

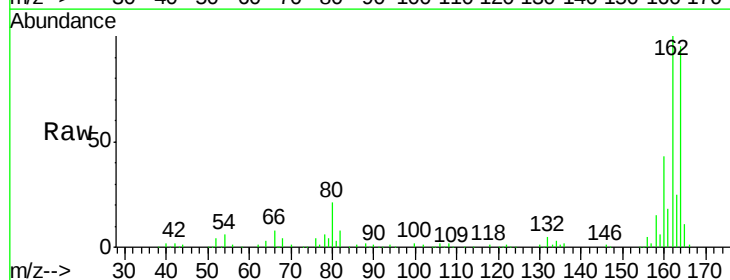
RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

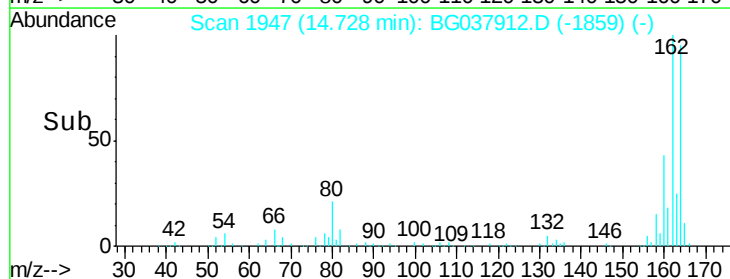
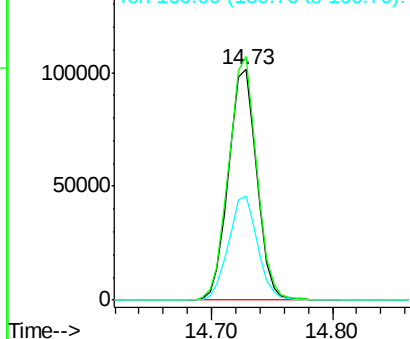
Lab File: BG037912.D

Acq: 9 Nov 2018 9:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 165681 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 105.8 | 81.3  | 121.9  |
| 160      | 45.3  | 36.3  | 54.5   |



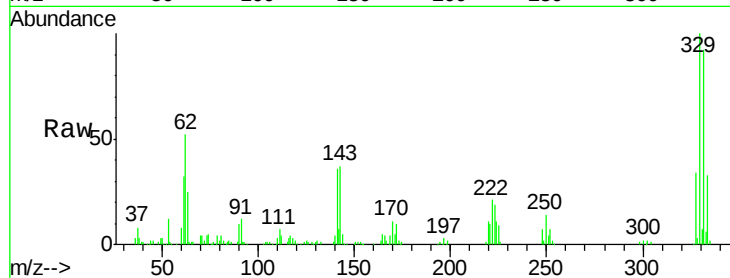
Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC



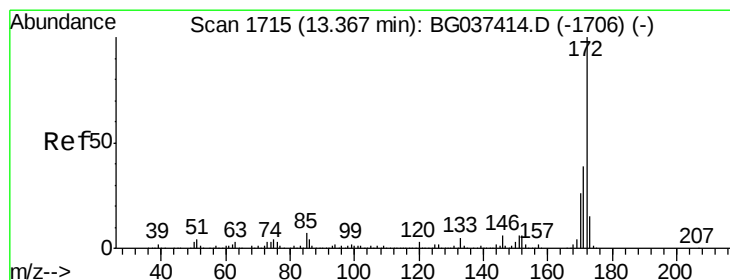
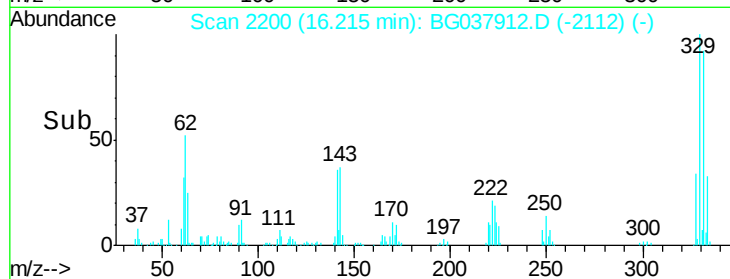
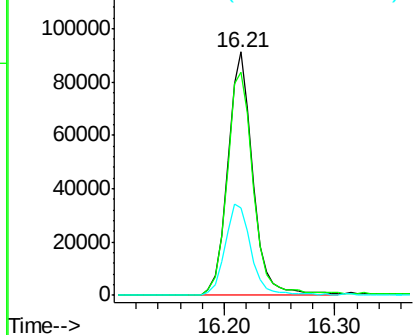


#42  
 2,4,6-Tribromophenol  
 Concen: 80.266 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. -0.01 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 78.4  | 117.6 |
| 141     | 39.1  | 32.2  | 48.2  |

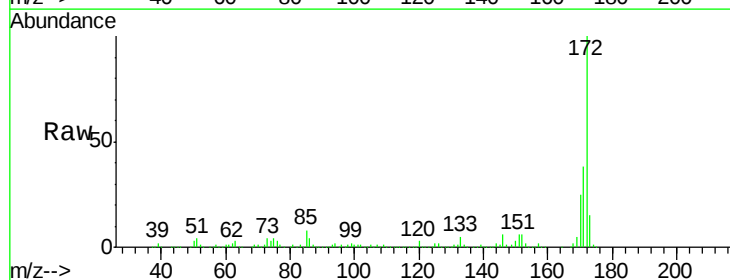


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

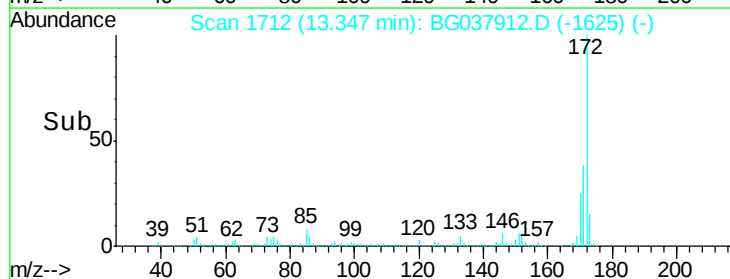
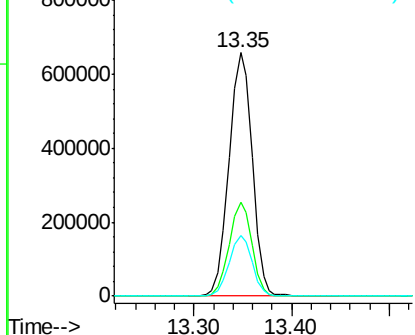


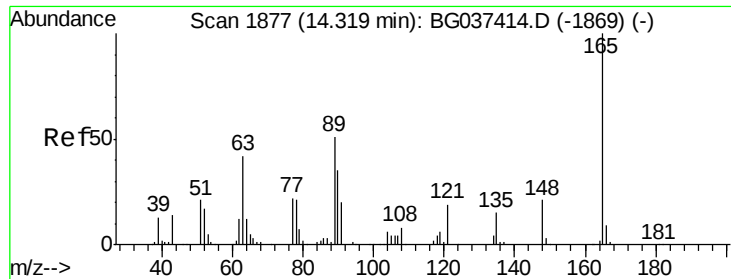
#45  
 2-Fluorobiphenyl  
 Concen: 99.277 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.02 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 31.0  | 46.4  |
| 170     | 24.7  | 20.2  | 30.2  |



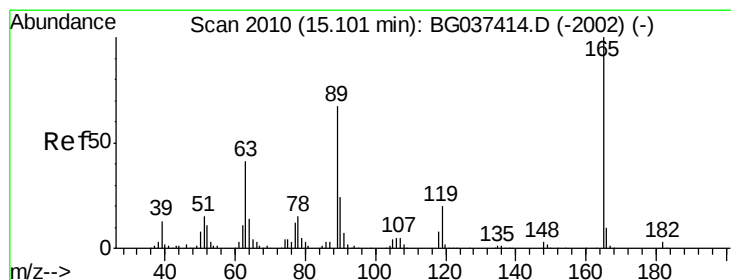
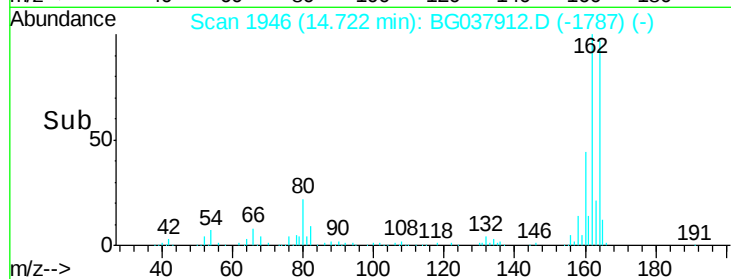
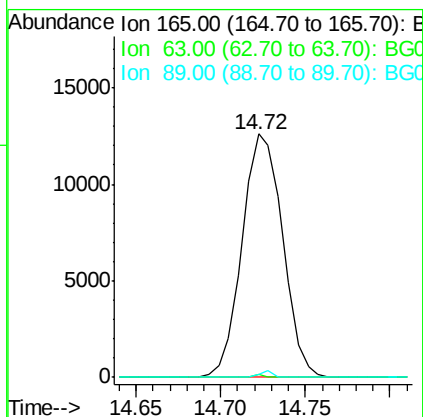
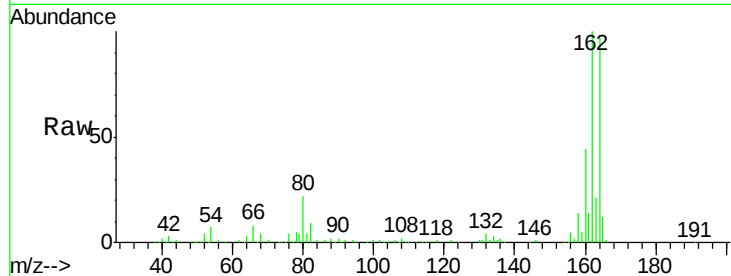
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





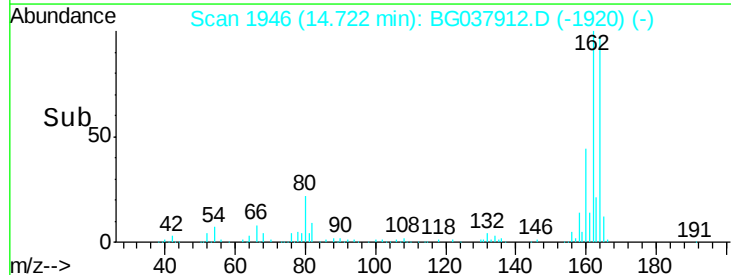
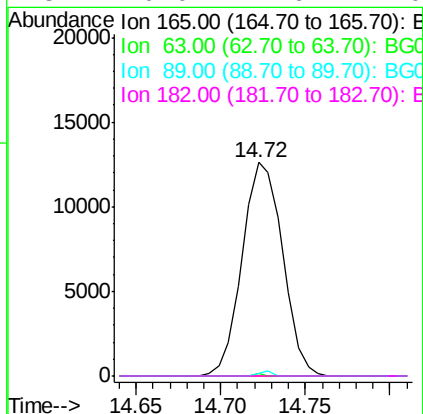
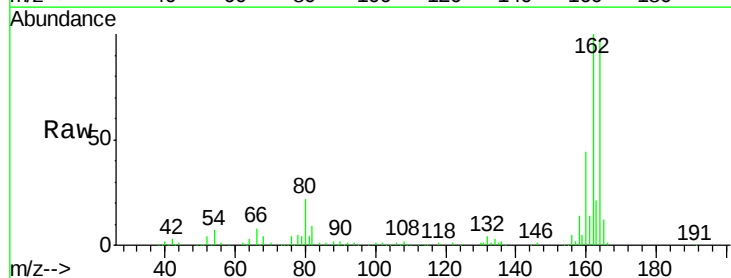
#51  
 2,6-Dinitrotoluene  
 Concen: 7.402 ng  
 RT: 14.72 min Scan# 1946  
 Delta R.T. 0.40 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

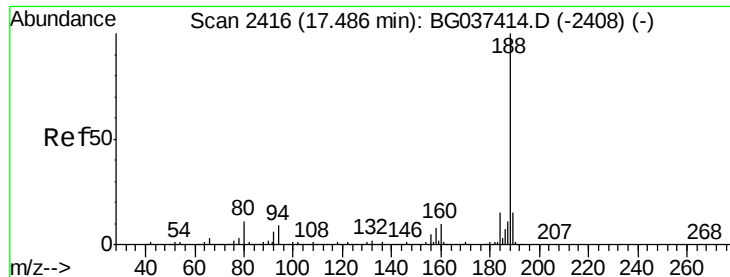
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 43.4  | 65.2# |
| 89      | 1.2   | 45.8  | 68.6# |



#57  
 2,4-Dinitrotoluene  
 Concen: 5.639 ng  
 RT: 14.72 min Scan# 1946  
 Delta R.T. -0.38 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 33.4  | 50.0# |
| 89      | 1.2   | 57.2  | 85.8# |
| 182     | 0.0   | 2.6   | 4.0#  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BG037912.D

Acq: 9 Nov 2018 9:30

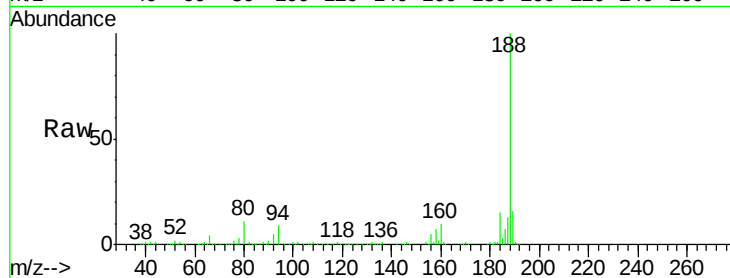
Tgt Ion:188 Resp: 355118

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

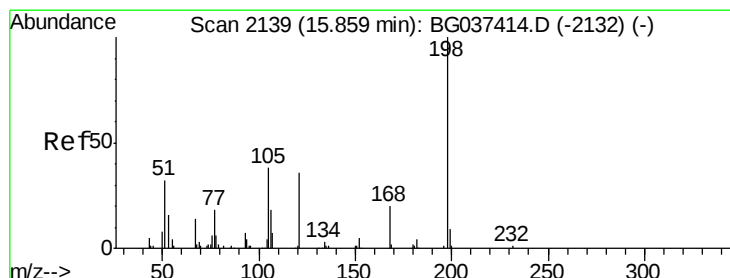
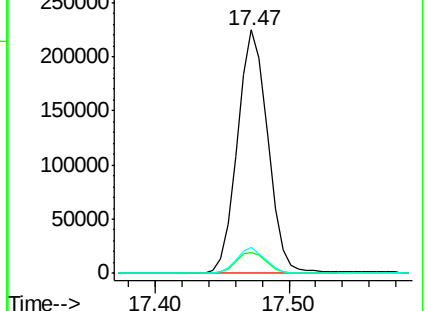
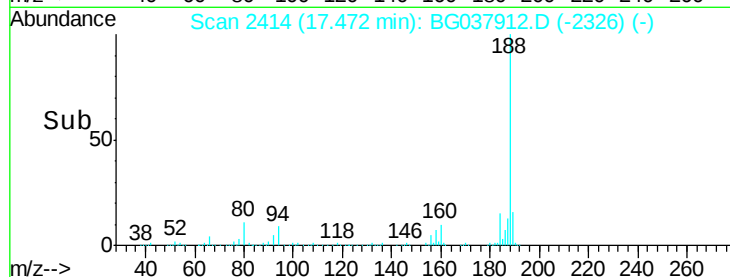
80 10.6 7.7 11.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.678 ng

RT: 16.21 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037912.D

Acq: 9 Nov 2018 9:30

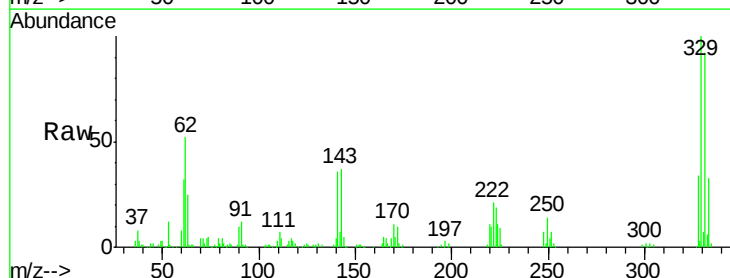
Tgt Ion:198 Resp: 387

Ion Ratio Lower Upper

198 100

51 22.4 22.7 62.7#

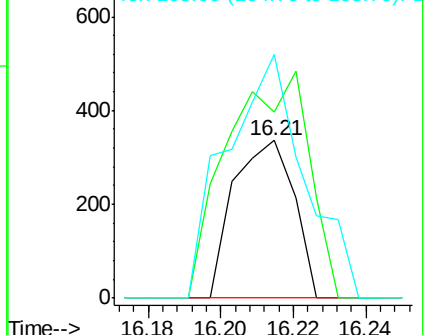
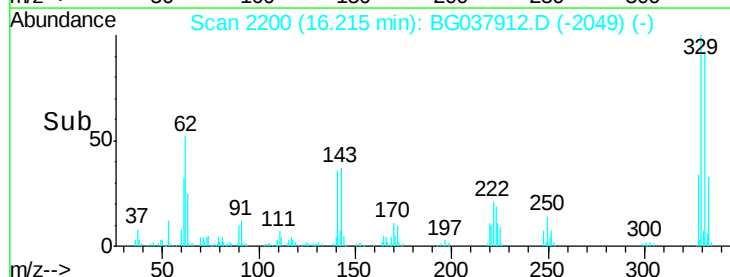
105 29.3 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

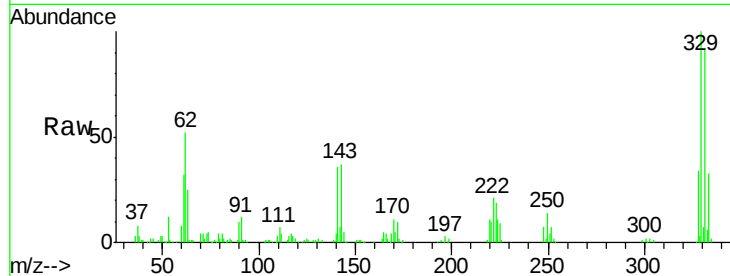
Ion 105.00 (104.70 to 105.70): E



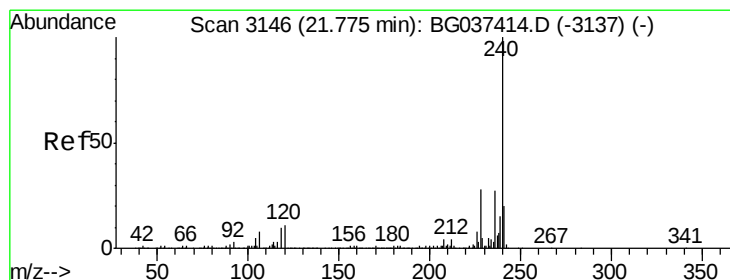
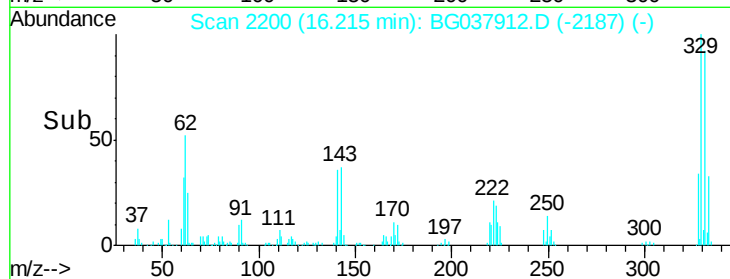
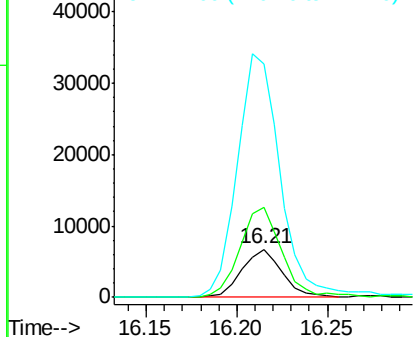


#67  
 4-Bromophenyl-phenylether  
 Concen: 2.674 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. -0.45 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

Tgt Ion:248 Resp: 10427  
 Ion Ratio Lower Upper  
 248 100  
 250 191.2 77.0 115.6#  
 141 381.0 55.5 83.3#

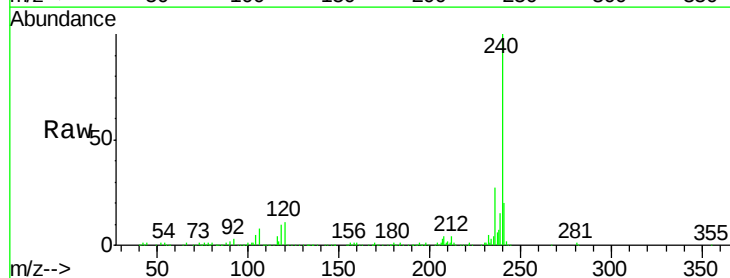


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

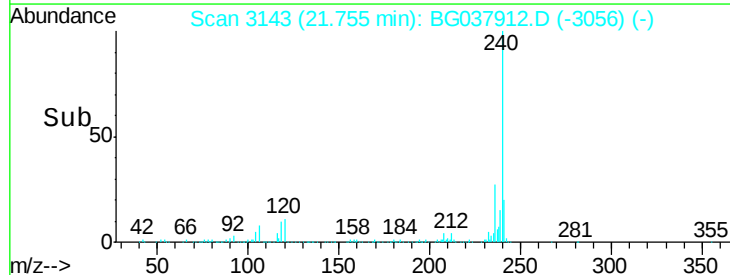
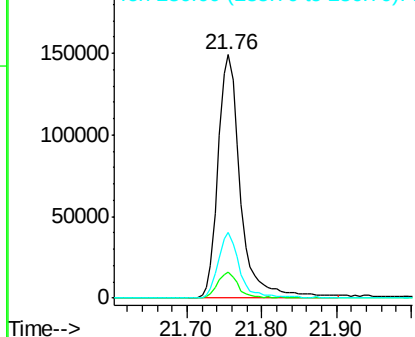


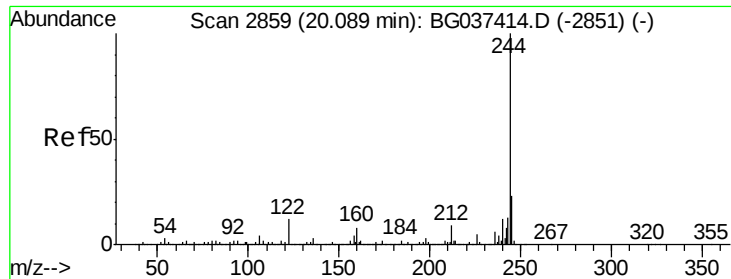
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.76 min Scan# 3143  
 Delta R.T. -0.02 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

Tgt Ion:240 Resp: 313707  
 Ion Ratio Lower Upper  
 240 100  
 120 10.6 8.1 12.1  
 236 26.8 21.4 32.0



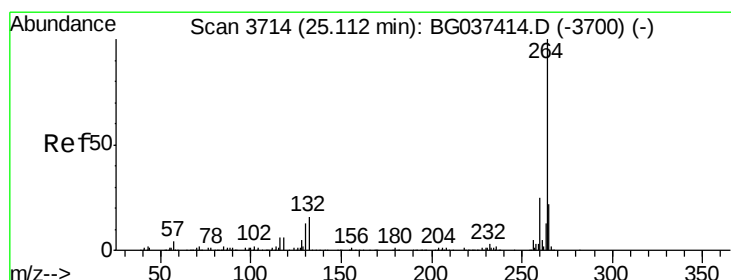
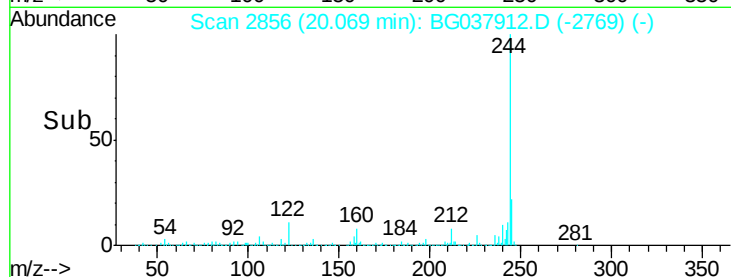
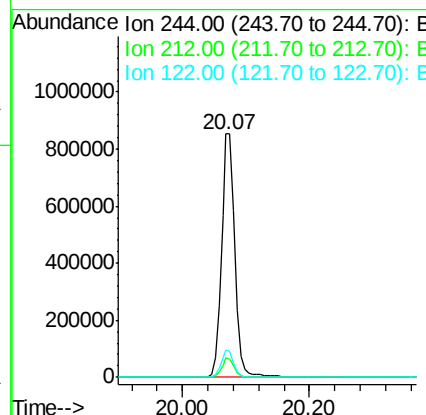
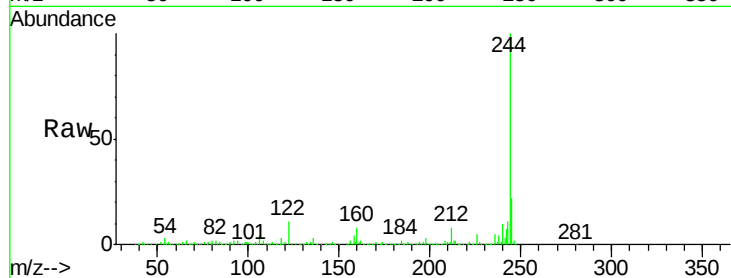
Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E





#79  
 Terphenyl-d14  
 Concen: 87.311 ng  
 RT: 20.07 min Scan# 2856  
 Delta R.T. -0.02 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

Tgt Ion:244 Resp: 1281845  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.5 9.7  
 122 11.4 9.0 13.4



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.08 min Scan# 3709  
 Delta R.T. -0.03 min  
 Lab File: BG037912.D  
 Acq: 9 Nov 2018 9:30

Tgt Ion:264 Resp: 250516  
 Ion Ratio Lower Upper  
 264 100  
 260 21.7 18.2 27.4  
 265 22.0 17.9 26.9

