

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG110818\  
 Data File : BG037889.D  
 Acq On : 8 Nov 2018 17:18  
 Operator : JU/SJ  
 Sample : J5832-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 09 14:41:07 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

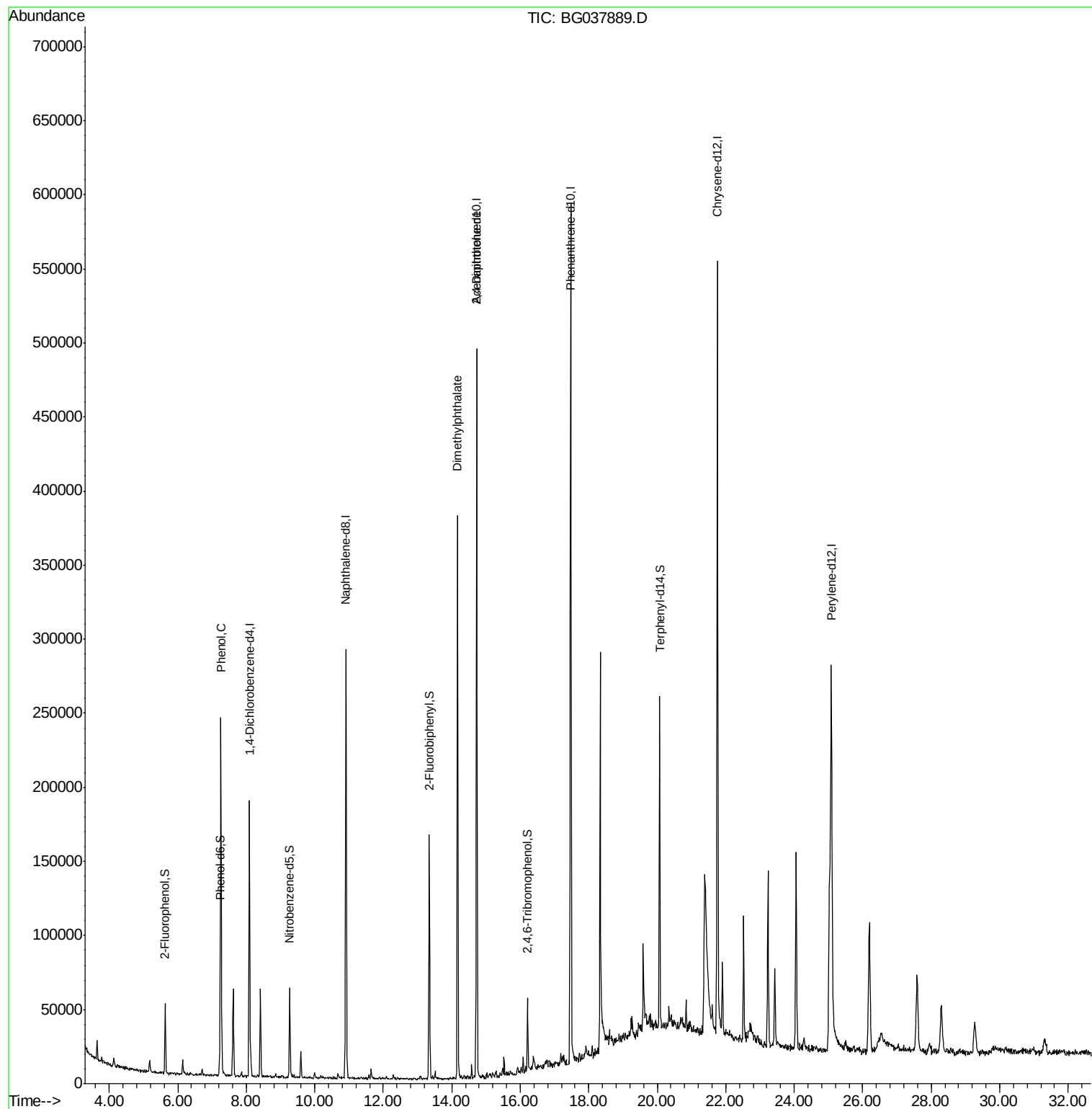
Response via : Initial Calibration

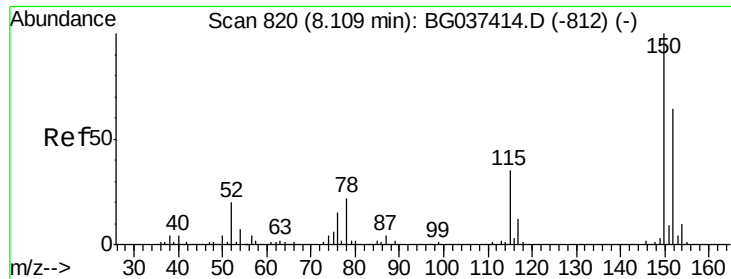
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 57182    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.91 | 136  | 271997   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.73 | 164  | 181194   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.47 | 188  | 396465   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.75 | 240  | 352496   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.08 | 264  | 329245   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 21395    | 6.26   | ng    | -0.01    |
| 7) Phenol-d6                | 7.24  | 99   | 25627    | 4.96   | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 38663    | 7.96   | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.21 | 330  | 10693    | 5.41   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.35 | 172  | 88714    | 7.38   | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.07 | 244  | 115725   | 7.02   | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 10) Phenol                  | 7.26  | 94   | 156761   | 28.727 | ng    | 95       |
| 50) Dimethylphthalate       | 14.17 | 163  | 282460   | 20.151 | ng    | 99       |
| 57) 2,4-Dinitrotoluene      | 14.72 | 165  | 23758    | 5.837  | ng    | # 26     |

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

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Sample : J5832-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

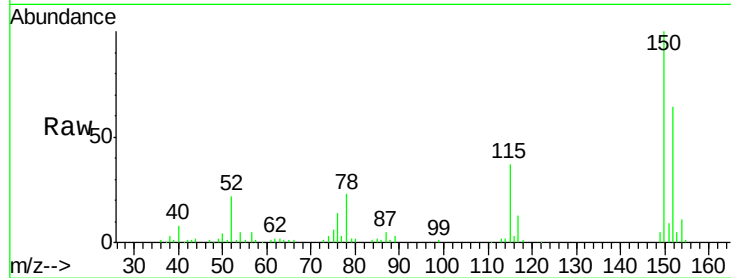
Quant Time: Nov 09 14:41:07 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 18 14:06:42 2018  
Response via : Initial Calibration



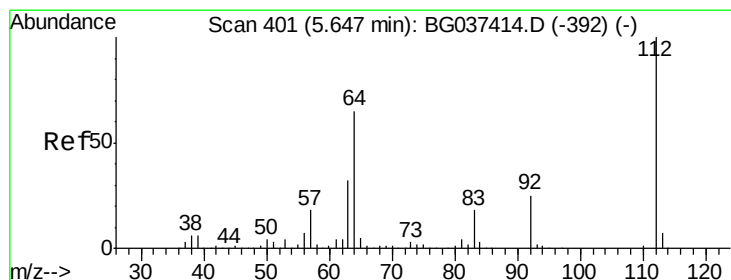
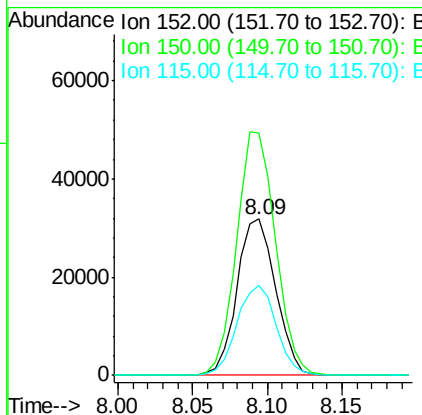
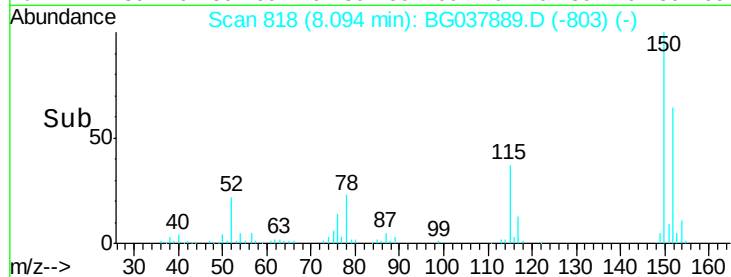


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.09 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BG037889.D  
 Acq: 8 Nov 2018 17:18

Tgt Ion:152 Resp: 57182  
 Ion Ratio Lower Upper  
 152 100  
 150 155.3 126.0 189.0  
 115 57.6 45.5 68.3

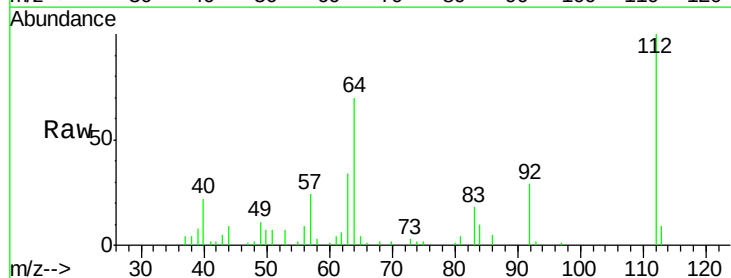


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

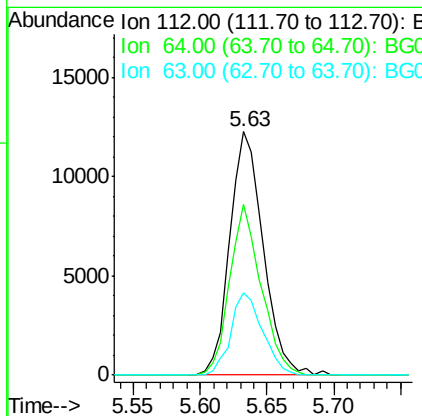
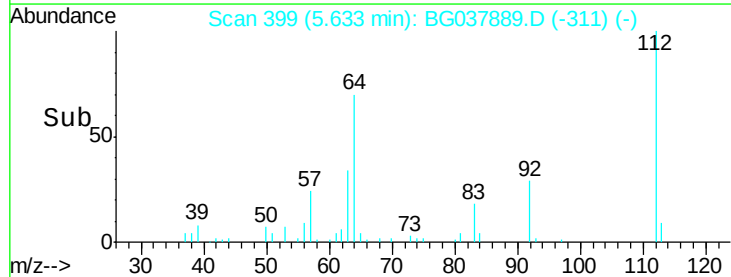


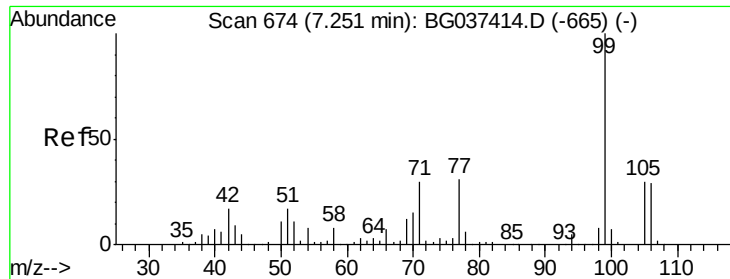
#5  
 2-Fluorophenol  
 Concen: 6.255 ng  
 RT: 5.63 min Scan# 399  
 Delta R.T. -0.01 min  
 Lab File: BG037889.D  
 Acq: 8 Nov 2018 17:18

Tgt Ion:112 Resp: 21395  
 Ion Ratio Lower Upper  
 112 100  
 64 70.2 53.1 79.7  
 63 33.9 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: 4.955 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037889.D

Acq: 8 Nov 2018 17:18

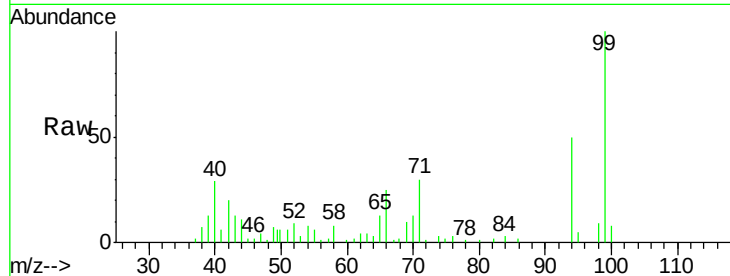
Tgt Ion: 99 Resp: 25627

Ion Ratio Lower Upper

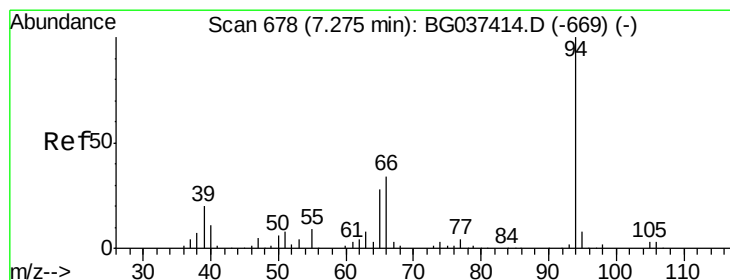
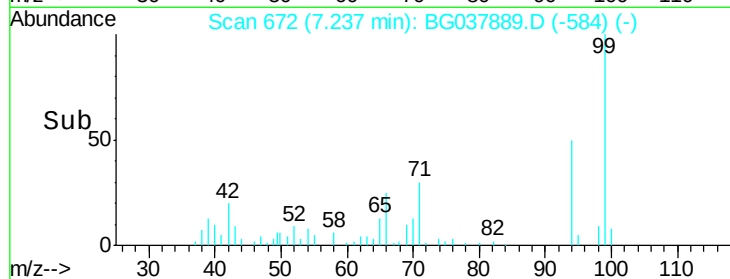
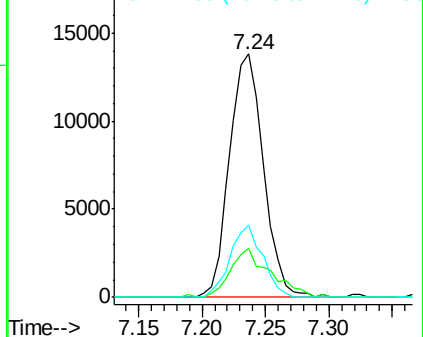
99 100

42 20.3 15.0 22.4

71 29.8 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: 28.727 ng

RT: 7.26 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG037889.D

Acq: 8 Nov 2018 17:18

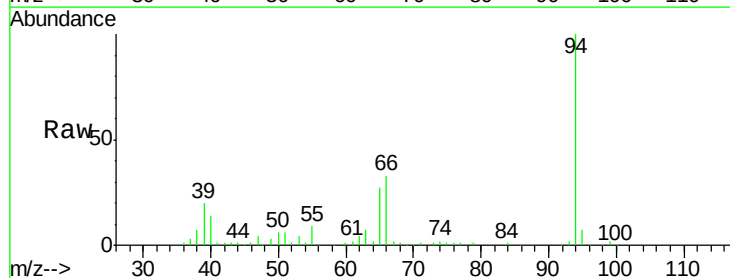
Tgt Ion: 94 Resp: 156761

Ion Ratio Lower Upper

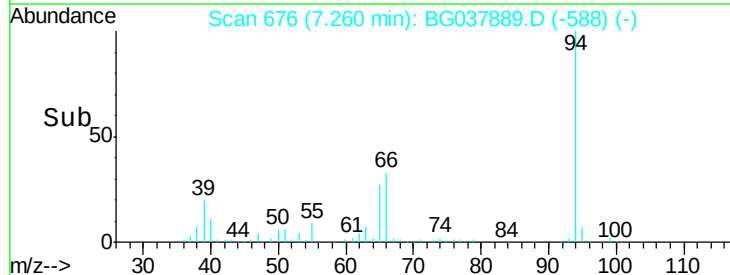
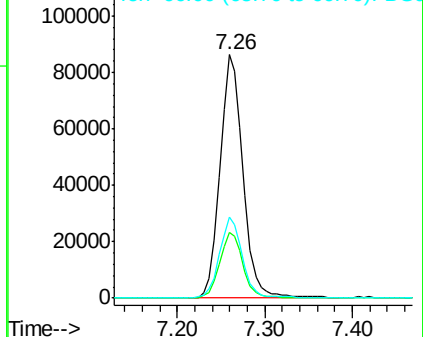
94 100

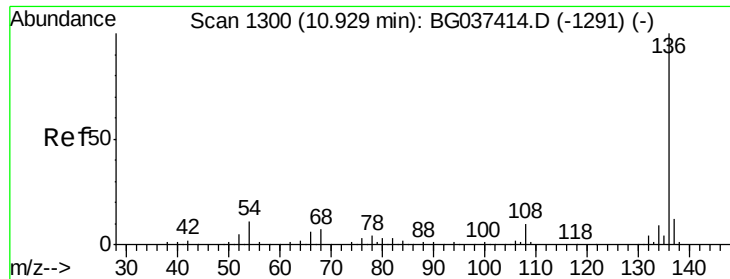
65 26.8 9.7 49.7

66 33.4 15.9 55.9



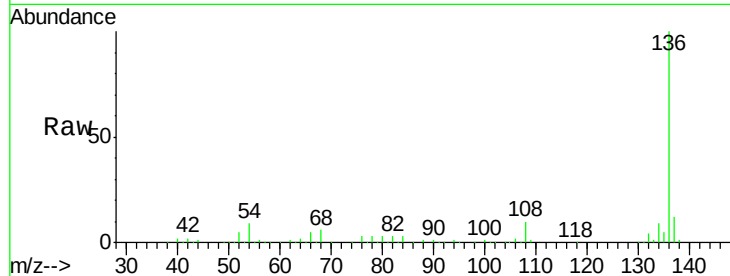
Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



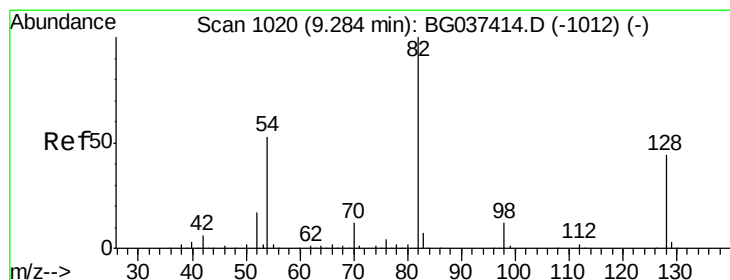
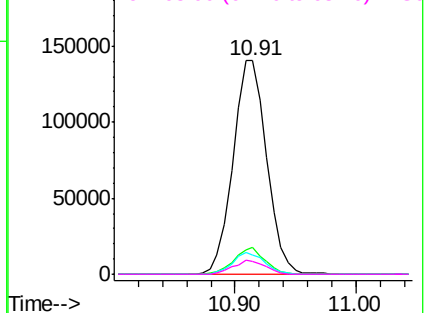
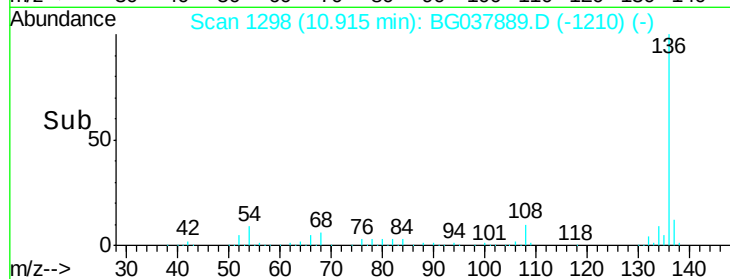


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.91 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BG037889.D  
Acq: 8 Nov 2018 17:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 271997 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.4  | 9.6   | 14.4   |
| 54       | 9.3   | 7.9   | 11.9   |
| 68       | 6.3   | 4.8   | 7.2    |

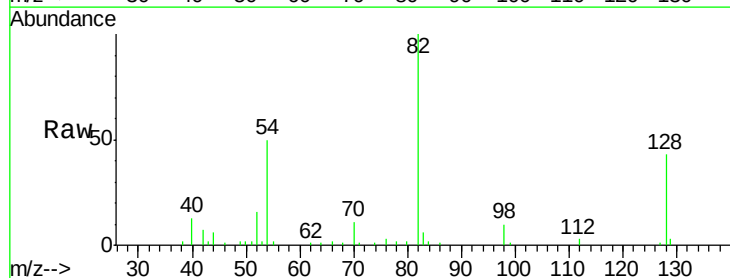


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

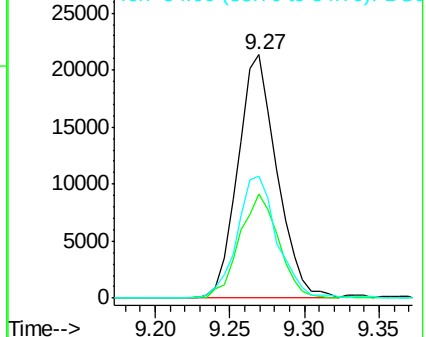
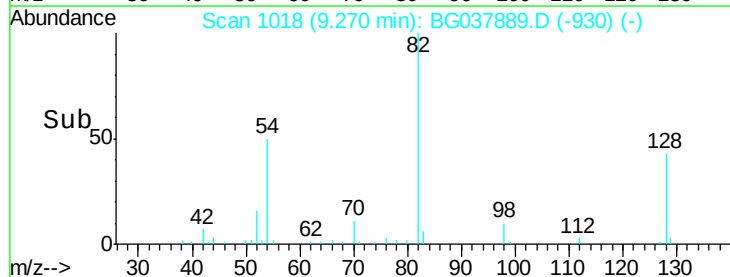


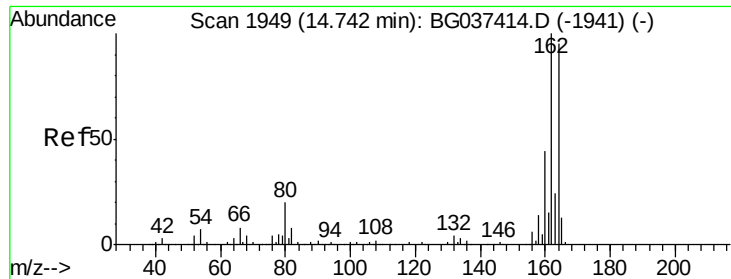
#23  
Nitrobenzene-d5  
Concen: 7.963 ng  
RT: 9.27 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BG037889.D  
Acq: 8 Nov 2018 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 38663 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 43.0  | 34.6  | 51.8  |
| 54       | 50.3  | 45.3  | 67.9  |



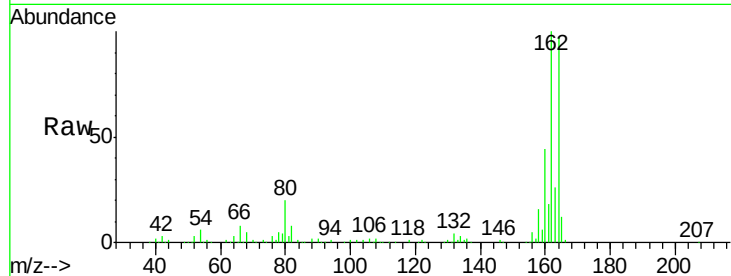
Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC



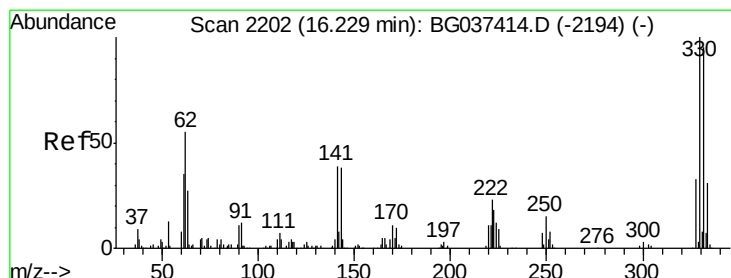
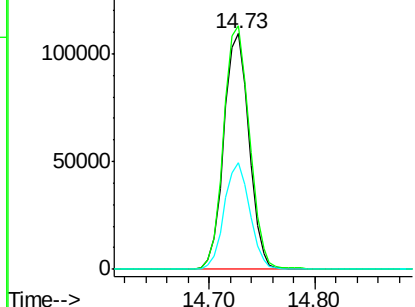
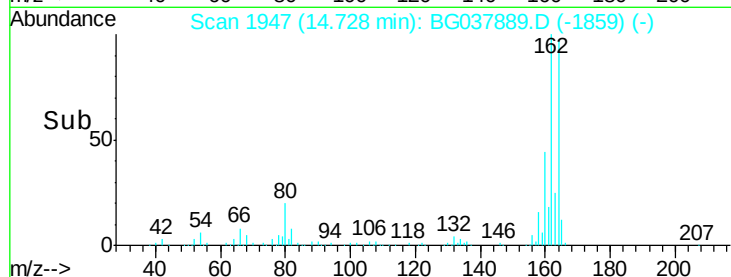


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1947  
Delta R.T. -0.01 min  
Lab File: BG037889.D  
Acq: 8 Nov 2018 17:18

Tgt Ion:164 Resp: 181194  
Ion Ratio Lower Upper  
164 100  
162 103.4 81.3 121.9  
160 45.2 36.3 54.5

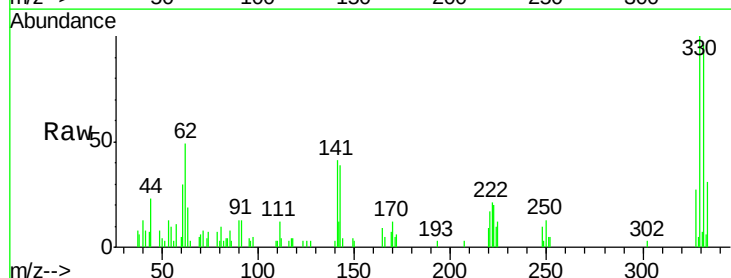


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

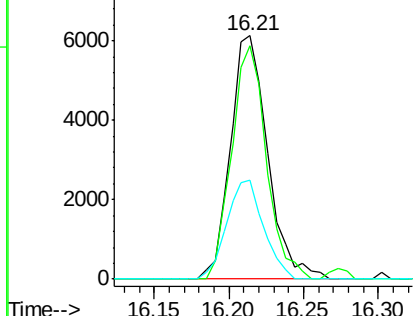
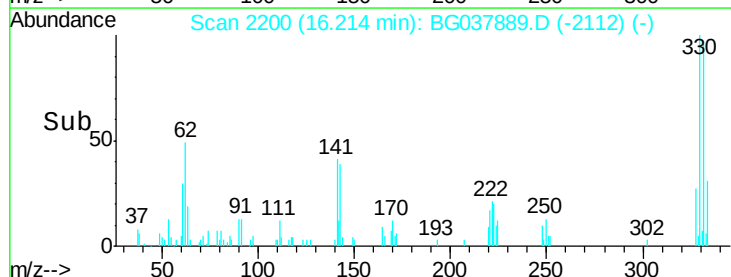


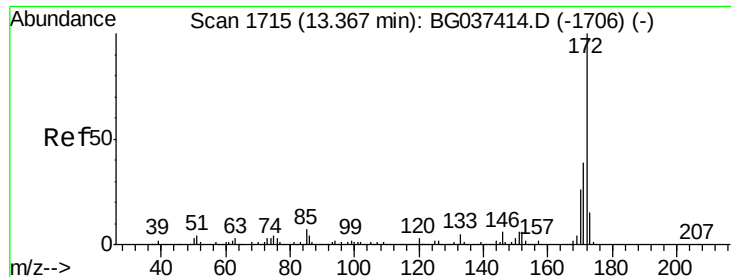
#42  
2,4,6-Tribromophenol  
Concen: 5.411 ng  
RT: 16.21 min Scan# 2200  
Delta R.T. -0.01 min  
Lab File: BG037889.D  
Acq: 8 Nov 2018 17:18

Tgt Ion:330 Resp: 10693  
Ion Ratio Lower Upper  
330 100  
332 89.1 78.4 117.6  
141 40.1 32.2 48.2



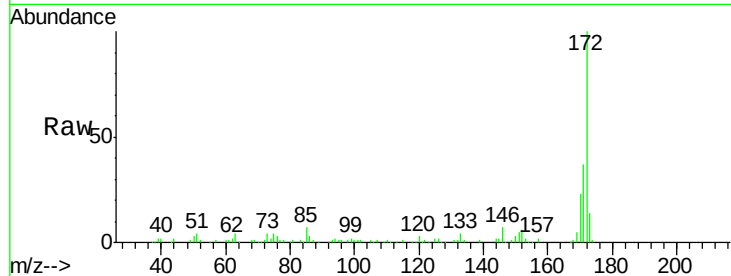
Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



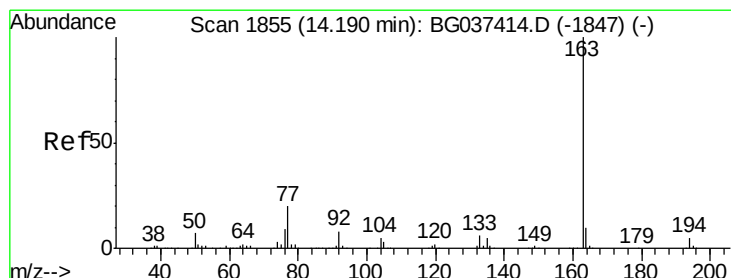
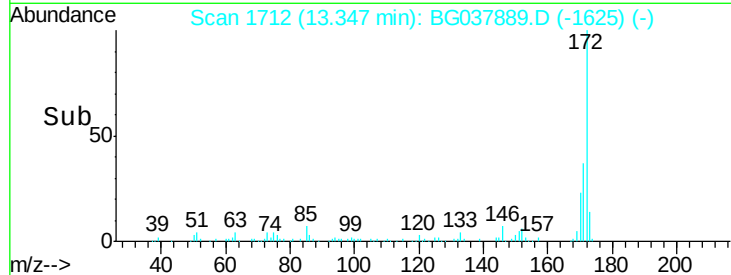
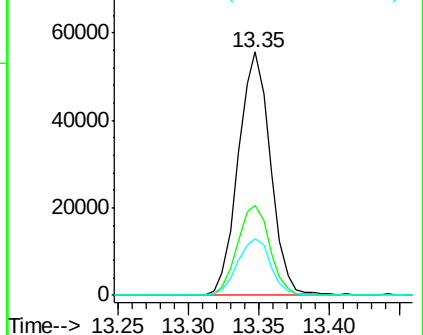


#45  
 2-Fluorobiphenyl  
 Concen: 7.383 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.02 min  
 Lab File: BG037889.D  
 Acq: 8 Nov 2018 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 88714 |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 37.1  | 31.0  | 46.4  |
| 170      | 23.3  | 20.2  | 30.2  |

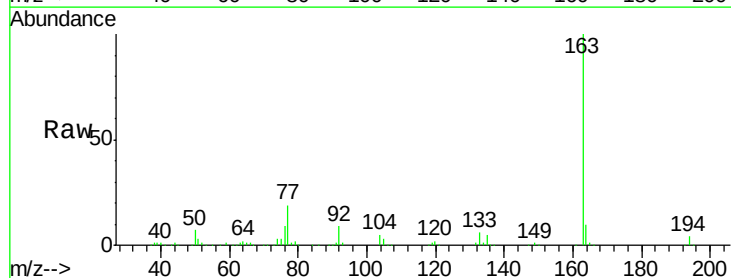


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

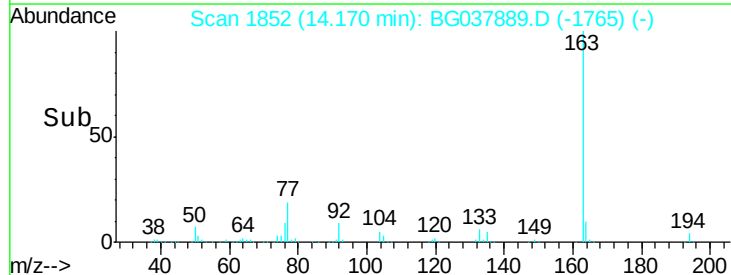
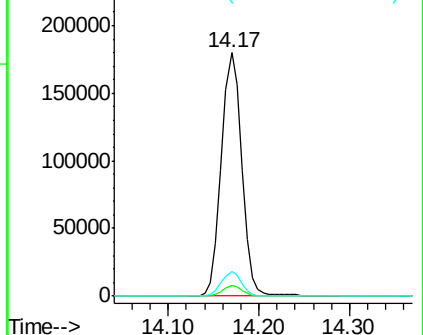


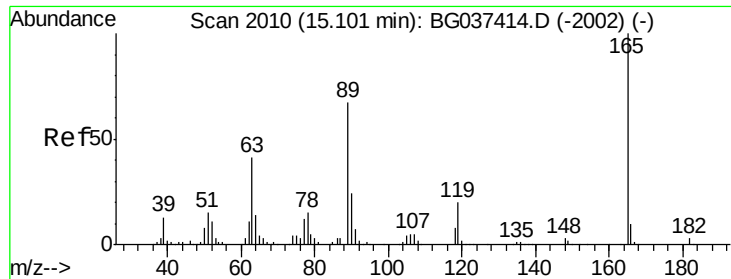
#50  
 Dimethylphthalate  
 Concen: 20.151 ng  
 RT: 14.17 min Scan# 1852  
 Delta R.T. -0.02 min  
 Lab File: BG037889.D  
 Acq: 8 Nov 2018 17:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 282460 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 4.4   | 3.5   | 5.3    |
| 164      | 10.1  | 8.5   | 12.7   |



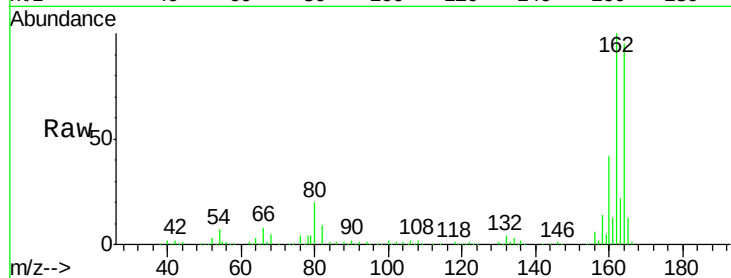
Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E





#57  
 2,4-Dinitrotoluene  
 Concen: 5.837 ng  
 RT: 14.72 min Scan# 1946  
 Delta R.T. -0.38 min  
 Lab File: BG037889.D  
 Acq: 8 Nov 2018 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 23758 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.4   | 33.4  | 50.0# |
| 89       | 2.1   | 57.2  | 85.8# |
| 182      | 0.0   | 2.6   | 4.0#  |

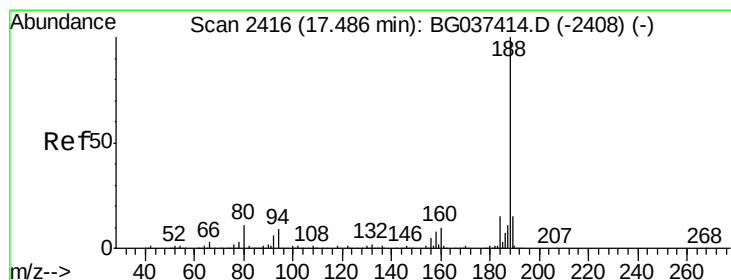
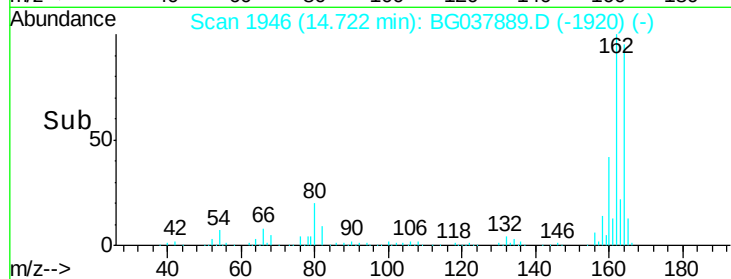
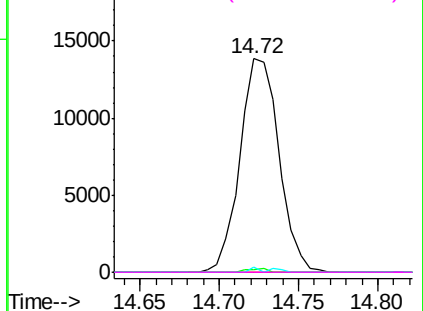


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

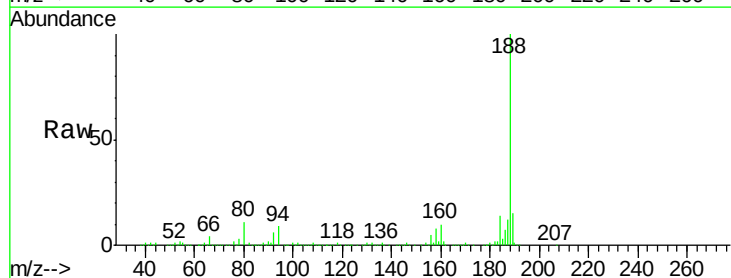
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.47 min Scan# 2414  
 Delta R.T. -0.01 min  
 Lab File: BG037889.D  
 Acq: 8 Nov 2018 17:18

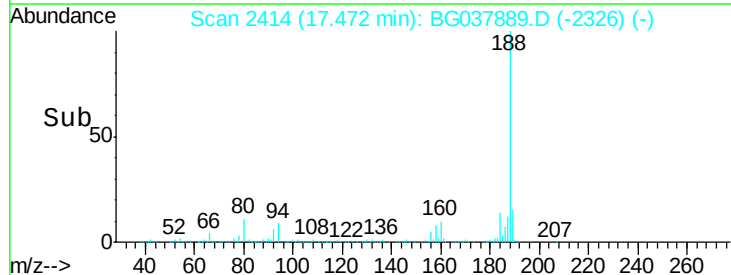
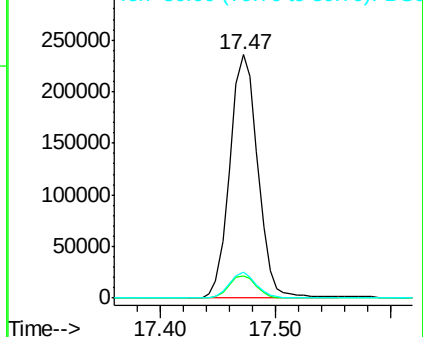
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 396465 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.1   | 7.2   | 10.8   |
| 80       | 10.5  | 7.7   | 11.5   |



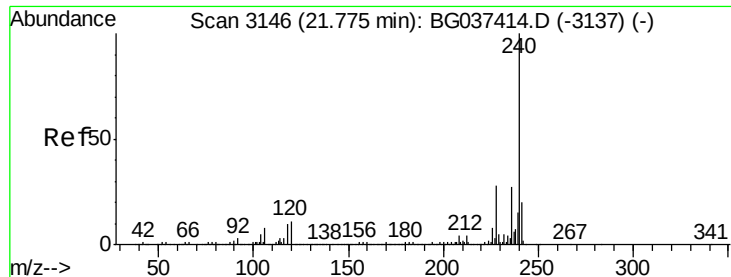
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

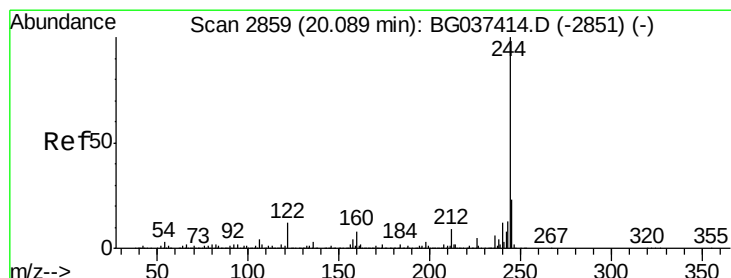
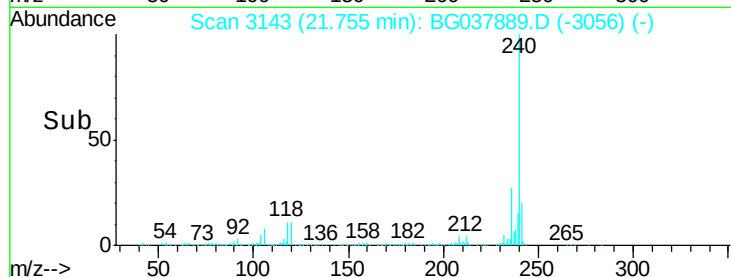
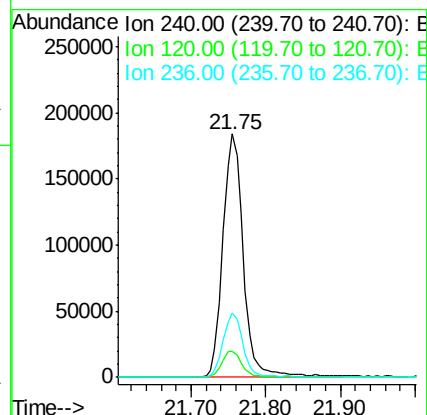
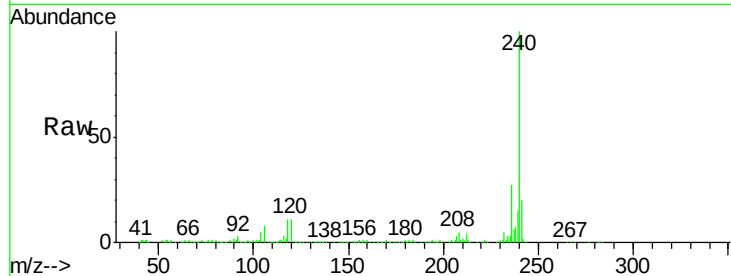






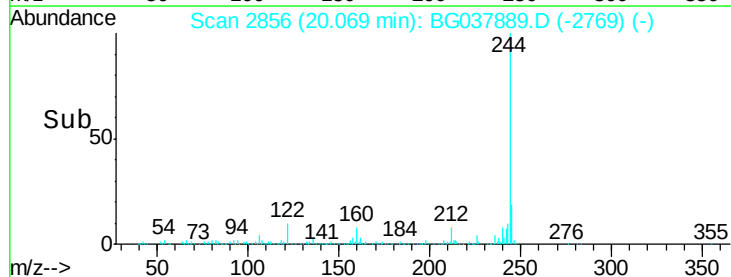
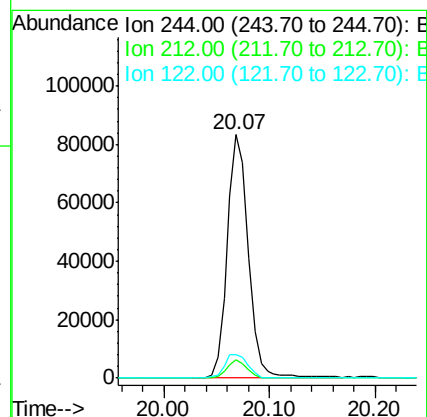
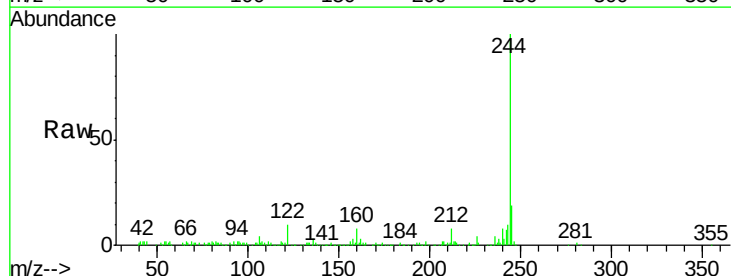
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.75 min Scan# 3143  
Delta R.T. -0.02 min  
Lab File: BG037889.D  
Acq: 8 Nov 2018 17:18

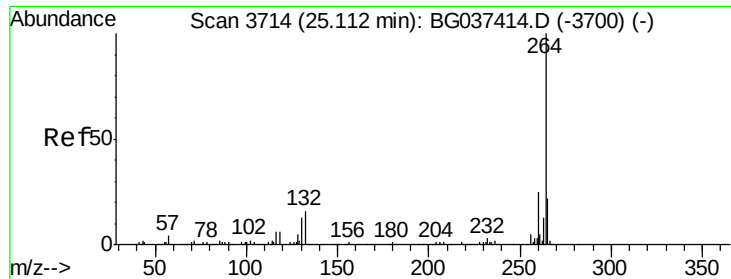
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.9  | 8.1   | 12.1  |
| 236     | 26.7  | 21.4  | 32.0  |



#79  
Terphenyl-d14  
Concen: 7.015 ng  
RT: 20.07 min Scan# 2856  
Delta R.T. -0.02 min  
Lab File: BG037889.D  
Acq: 8 Nov 2018 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.8   | 6.5   | 9.7   |
| 122     | 9.5   | 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: BG037889.D  
Acq: 8 Nov 2018 17:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 329245 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.3  | 18.2  | 27.4   |
| 265      | 21.6  | 17.9  | 26.9   |

