

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040418\  
 Data File : BG033583.D  
 Acq On : 5 Apr 2018 6:56  
 Operator : SJ/JU  
 Sample : J2197-03  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

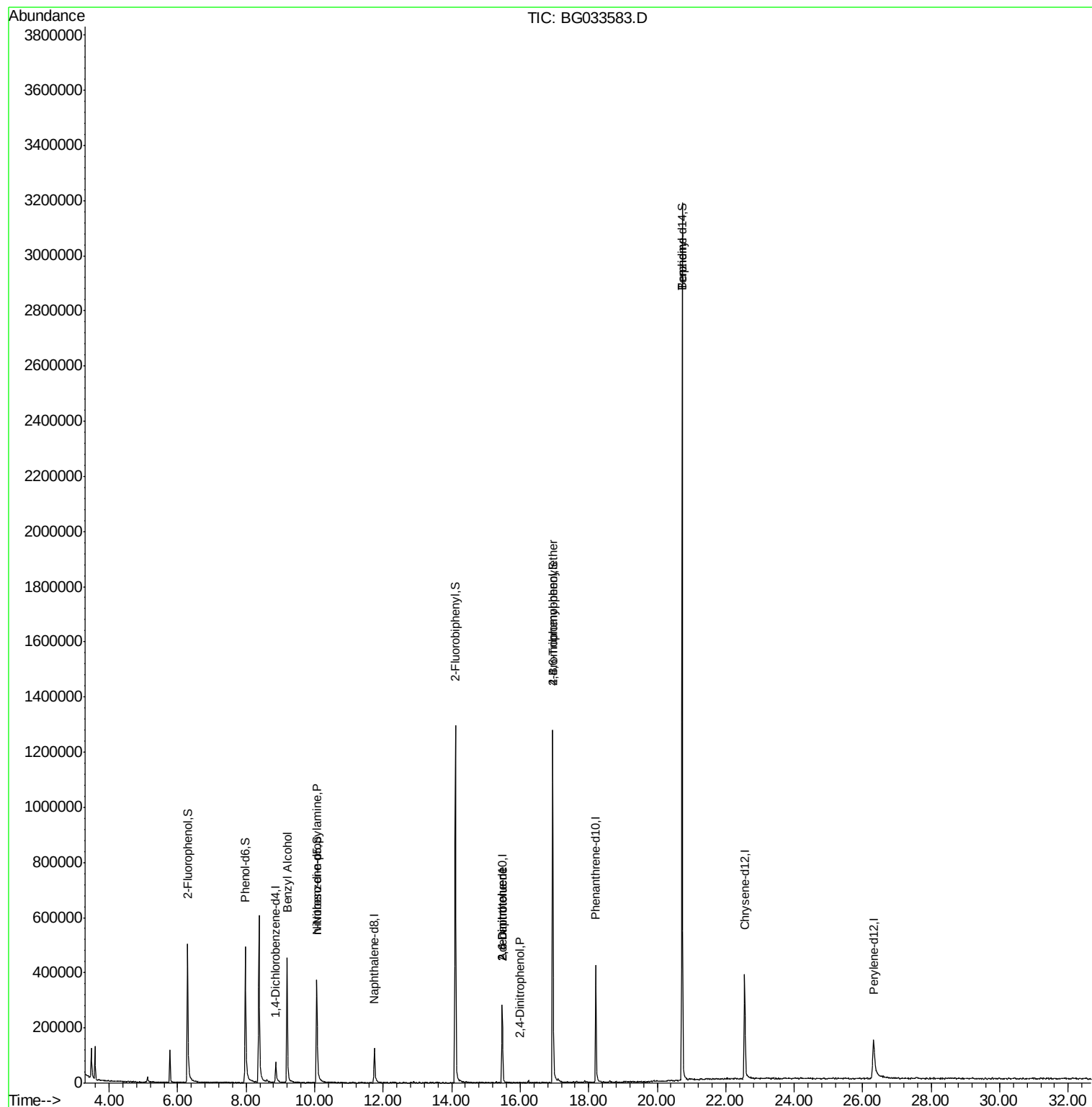
Quant Time: Apr 05 11:10:26 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 04 18:35:46 2018  
 Response via : Initial Calibration

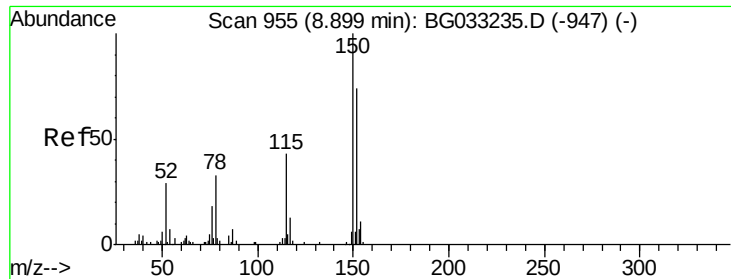
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.87  | 152  | 27260    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.74 | 136  | 127170   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 15.48 | 164  | 108465   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 18.21 | 188  | 308194   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.56 | 240  | 310867   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 26.32 | 264  | 264312   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.29  | 112  | 249883   | 171.89 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.97  | 99   | 367355   | 147.07 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 10.06 | 82   | 303802   | 109.76 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.95 | 330  | 257987   | 159.03 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.11 | 172  | 758991   | 101.02 | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.73 | 244  | 1574981  | 108.35 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 9.19  | 79   | 4940     | 2.512  | ng    | # 53     |
| 19) n-Nitroso-di-n-propylamine | 10.06 | 70   | 40455    | 22.102 | ng    | # 80     |
| 50) 2,6-Dinitrotoluene         | 15.48 | 165  | 13596    | 7.044  | ng    | # 22     |
| 53) 2,4-Dinitrophenol          | 15.99 | 184  | 84       | 7.719  | ng    | # 1      |
| 56) 2,4-Dinitrotoluene         | 15.48 | 165  | 13596    | 4.784  | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 16.95 | 248  | 20628    | 5.699  | ng    | # 1      |
| 76) Benzidine                  | 20.73 | 184  | 27074    | 3.212  | ng    | # 92     |

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

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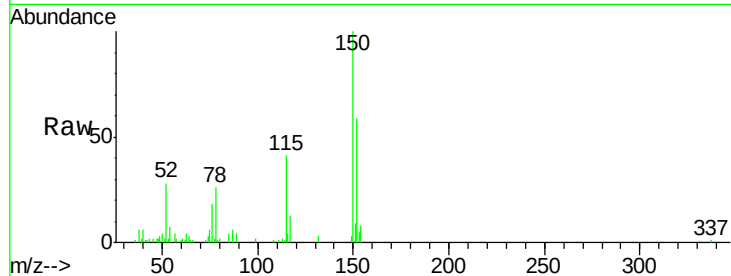




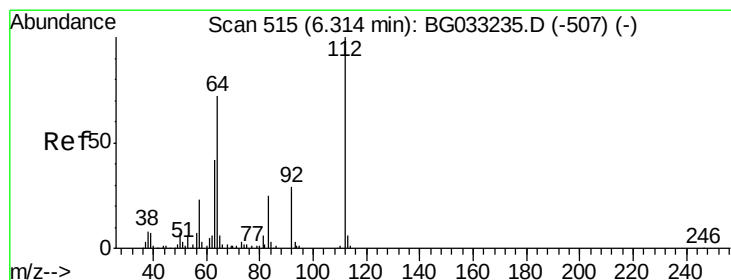
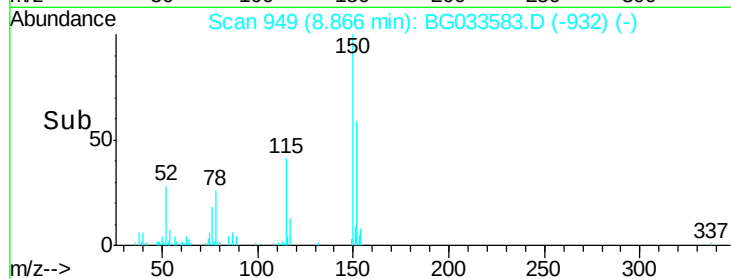
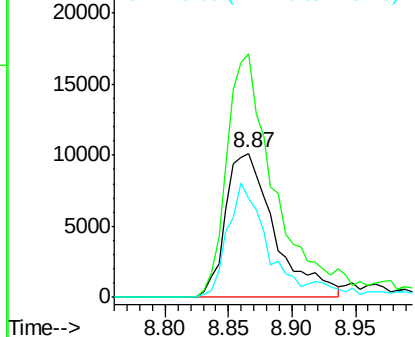
#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.87 min Scan# 949  
Delta R.T. -0.00 min  
Lab File: BG033583.D  
Acq: 5 Apr 2018 6:56

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 168.8 | 126.6 | 189.8 |
| 115     | 68.8  | 53.0  | 79.4  |



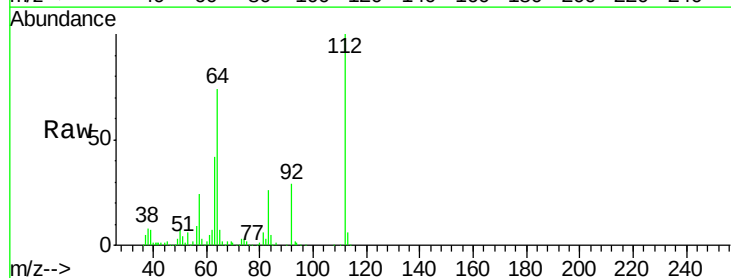
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



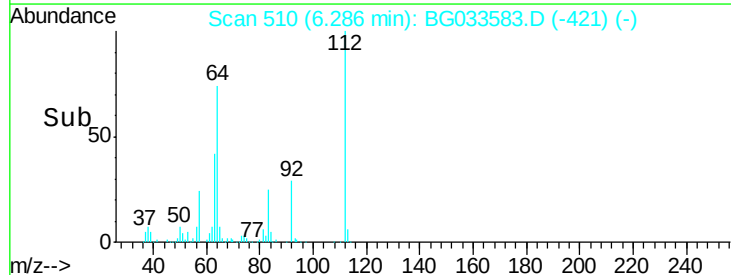
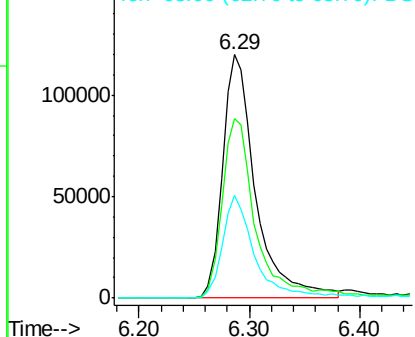
#5

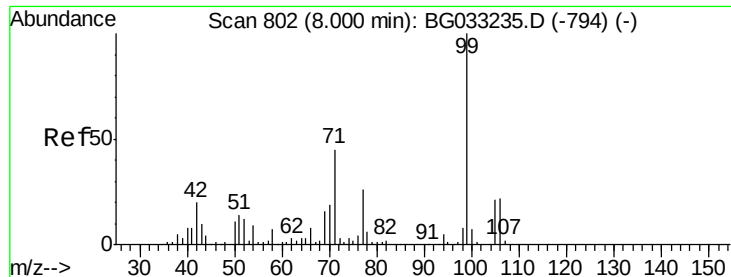
2-Fluorophenol  
Concen: 171.886 ng  
RT: 6.29 min Scan# 510  
Delta R.T. -0.01 min  
Lab File: BG033583.D  
Acq: 5 Apr 2018 6:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 73.8  | 56.3  | 84.5  |
| 63      | 42.2  | 30.1  | 45.1  |



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: 147.067 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.01 min

Lab File: BG033583.D

Acq: 5 Apr 2018 6:56

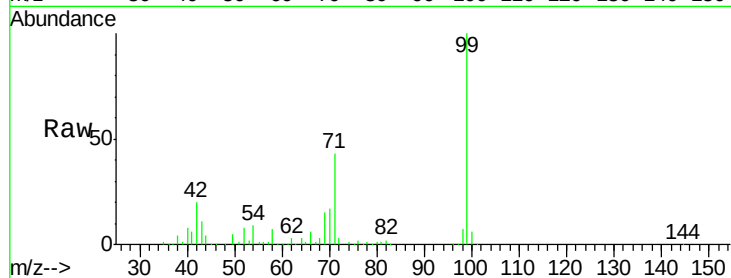
Tot Ion: 99 Resp: 367355

Ion Ratio Lower Upper

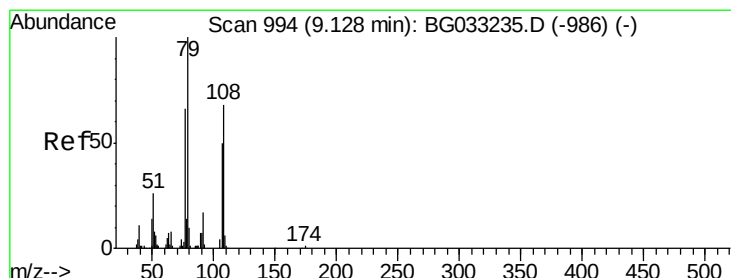
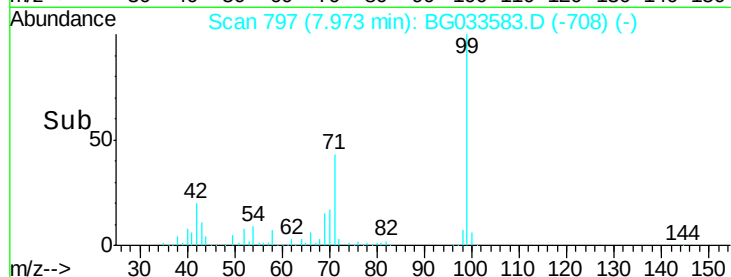
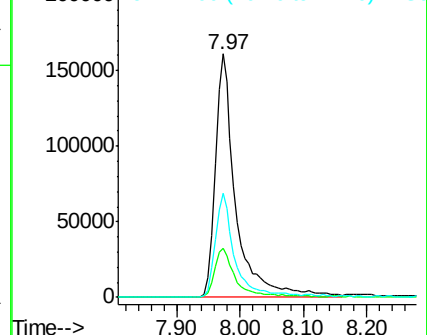
99 100

42 20.3 14.1 21.1

71 42.5 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.512 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BG033583.D

Acq: 5 Apr 2018 6:56

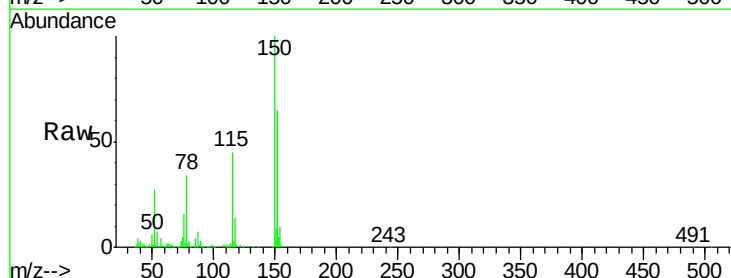
Tgt Ion: 79 Resp: 4940

Ion Ratio Lower Upper

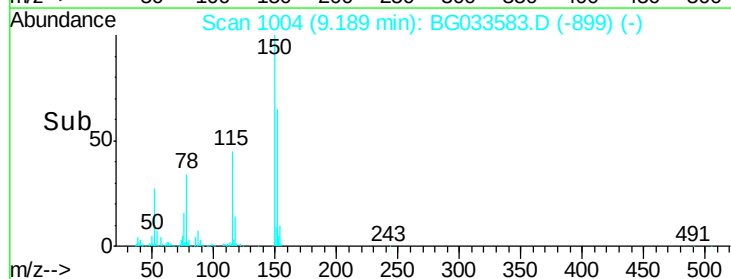
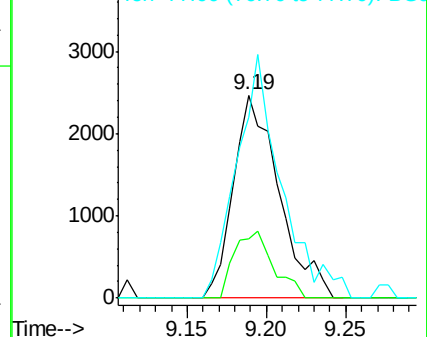
79 100

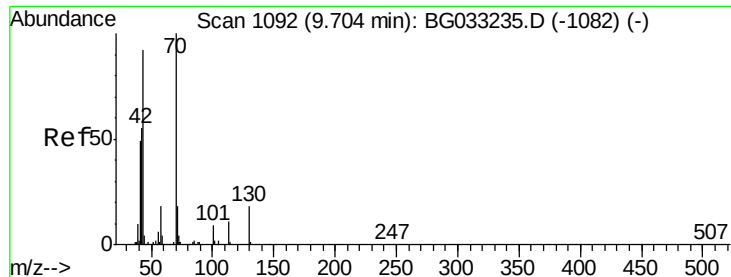
108 29.3 57.2 85.8#

77 88.9 46.1 69.1#



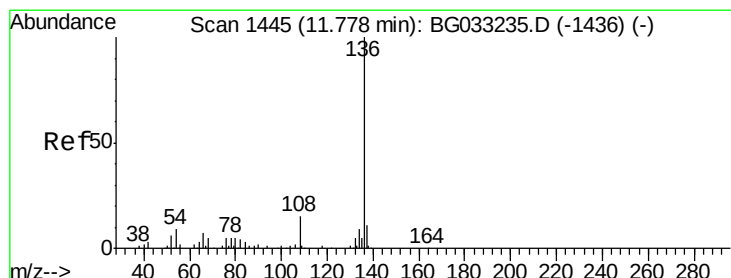
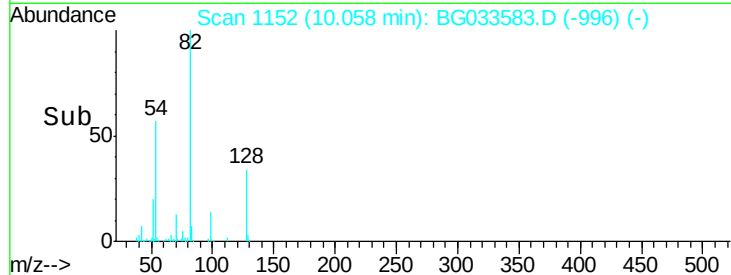
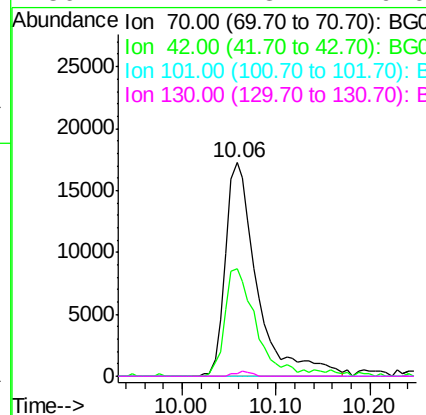
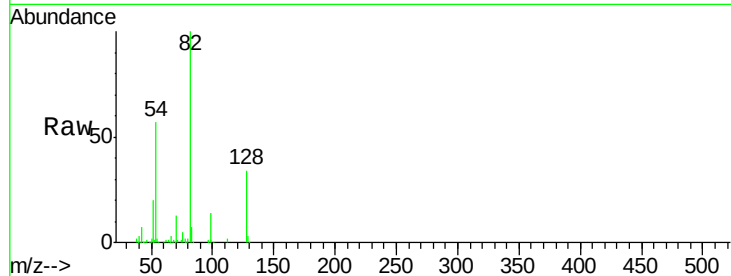
Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC





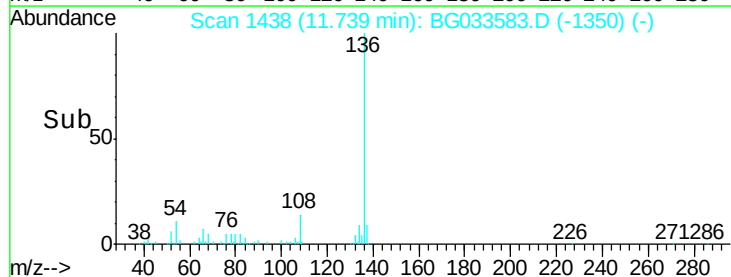
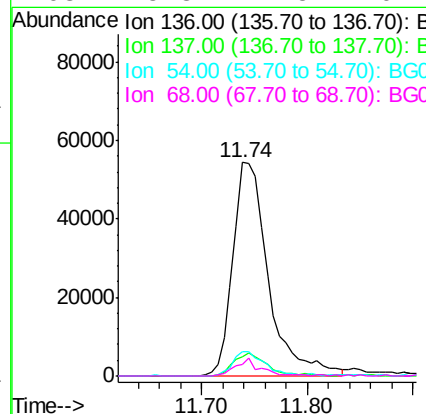
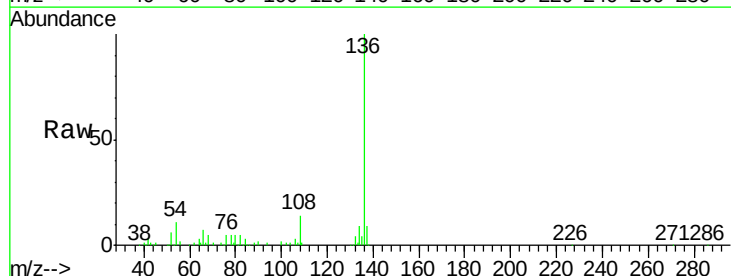
#19  
n-Nitroso-di-n-propylamine  
Concen: 22.102 ng  
RT: 10.06 min Scan# 1152  
Delta R.T. 0.39 min  
Lab File: BG033583.D  
Acq: 5 Apr 2018 6:56

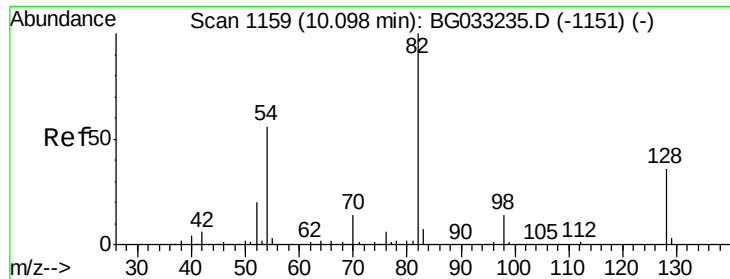
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 40455 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 50.3  | 49.1  | 73.7  |
| 101      | 0.0   | 8.5   | 12.7# |
| 130      | 1.2   | 13.4  | 20.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.74 min Scan# 1438  
Delta R.T. -0.01 min  
Lab File: BG033583.D  
Acq: 5 Apr 2018 6:56

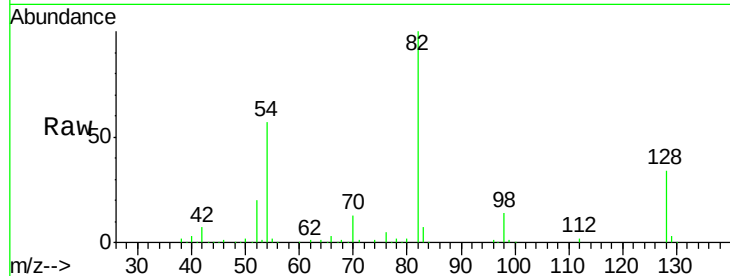
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 127170 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.2   | 9.2   | 13.8   |
| 54       | 11.1  | 10.3  | 15.5   |
| 68       | 5.3   | 4.5   | 6.7    |



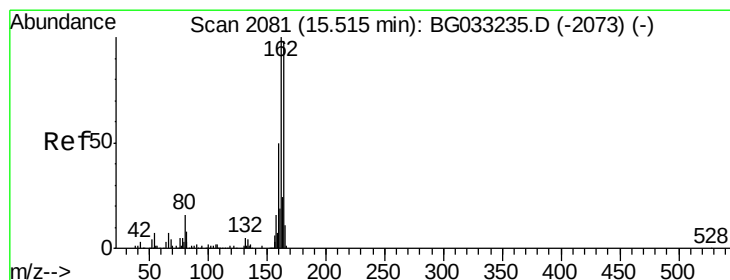
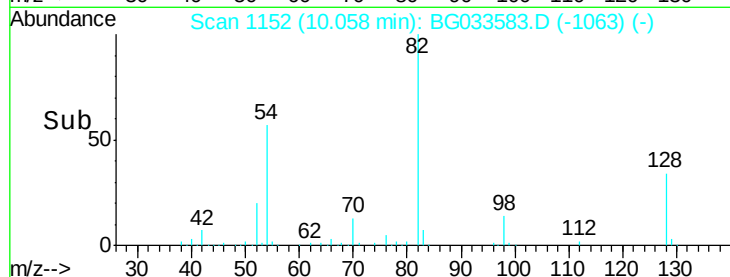
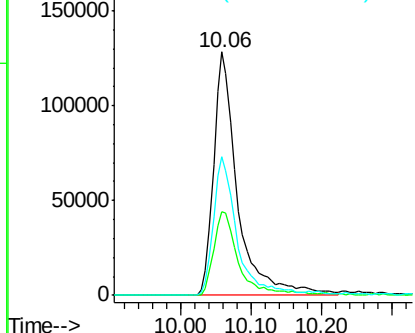


#23  
 Nitrobenzene-d5  
 Concen: 109.758 ng  
 RT: 10.06 min Scan# 1152  
 Delta R.T. -0.01 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

| Tot Ion   | 82   | Resp  | 303802 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 34.2 | 29.7  | 44.5   |
| 54        | 57.0 | 43.1  | 64.7   |

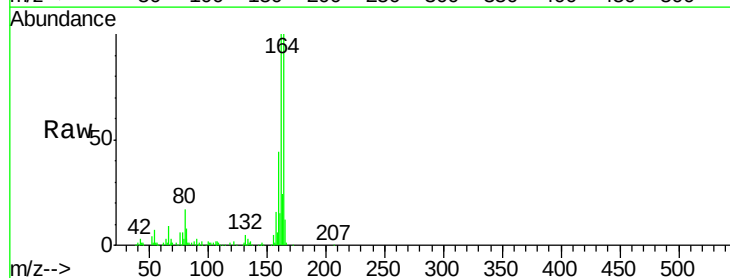


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

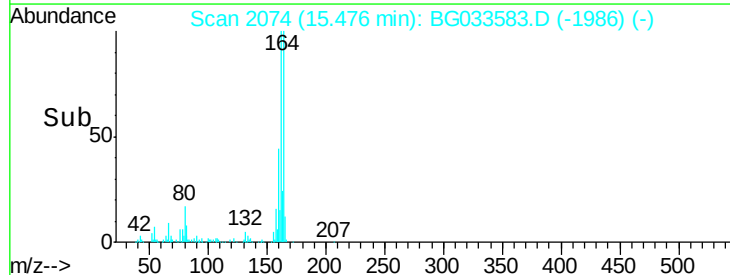
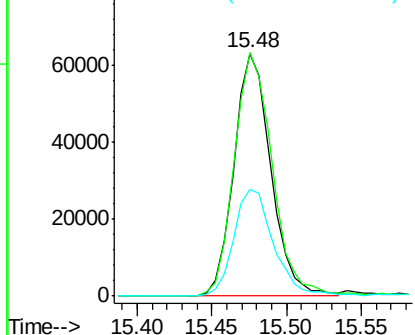


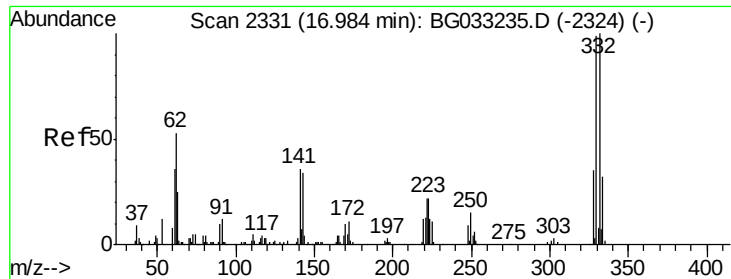
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2074  
 Delta R.T. -0.01 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

| Tgt Ion   | 164   | Resp  | 108465 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 100.2 | 78.8  | 118.2  |
| 160       | 43.9  | 35.4  | 53.0   |



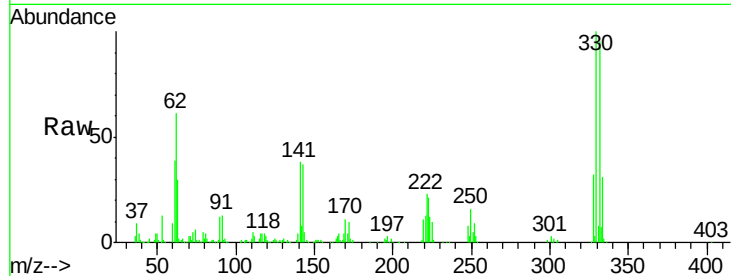
Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC



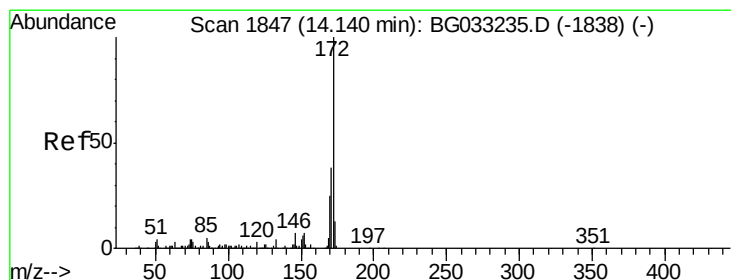
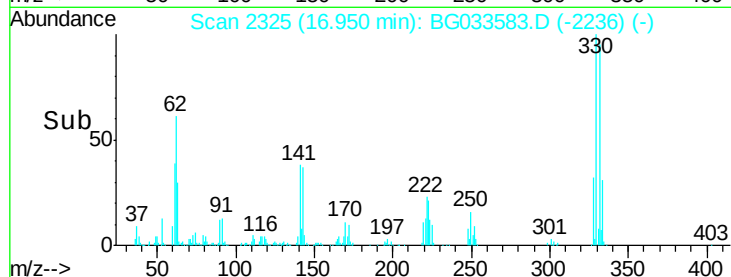
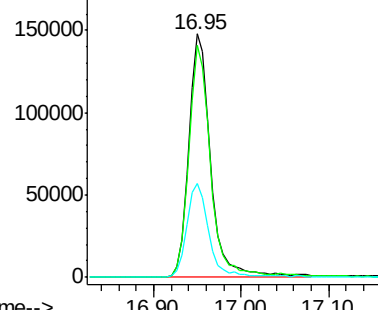


#41  
 2,4,6-Tribromophenol  
 Concen: 159.033 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. -0.01 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.6  | 77.0  | 115.6 |
| 141     | 38.0  | 25.2  | 37.8# |

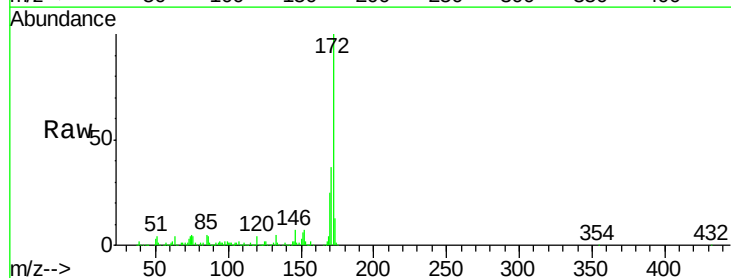


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

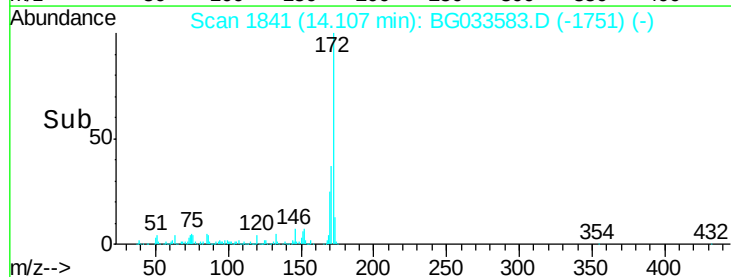
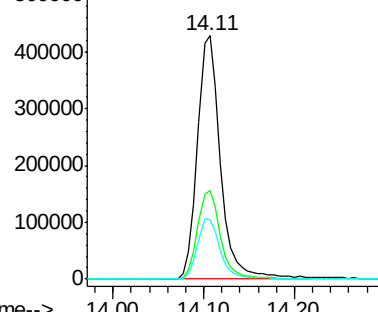


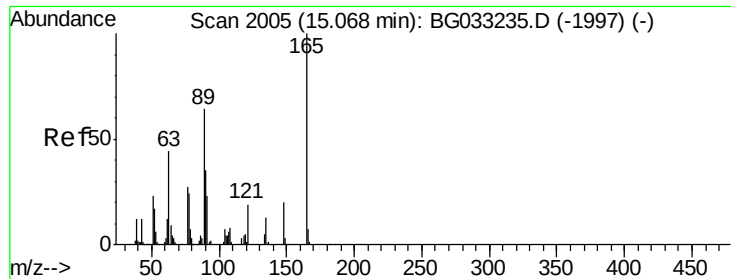
#44  
 2-Fluorobiphenyl  
 Concen: 101.019 ng  
 RT: 14.11 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 30.0  | 45.0  |
| 170     | 24.5  | 19.5  | 29.3  |



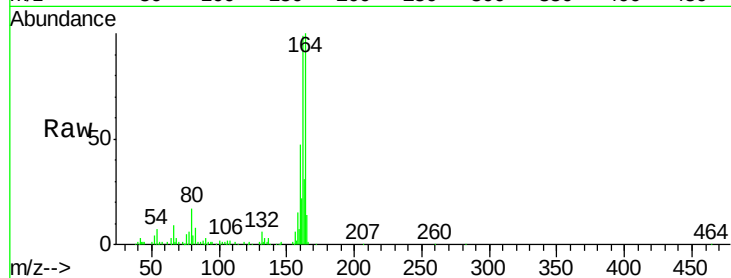
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#50  
 2,6-Dinitrotoluene  
 Concen: 7.044 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. 0.44 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

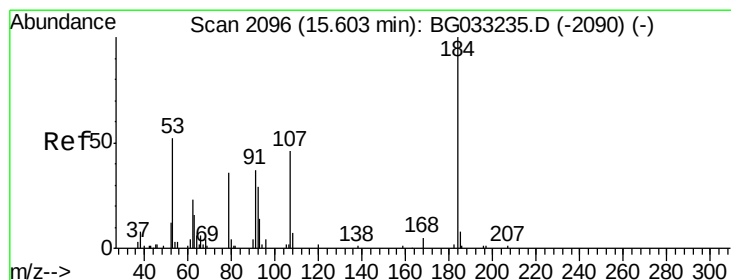
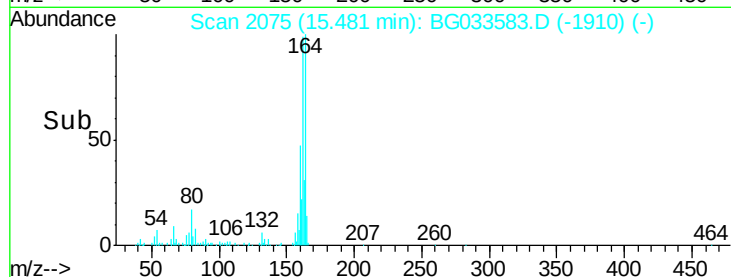
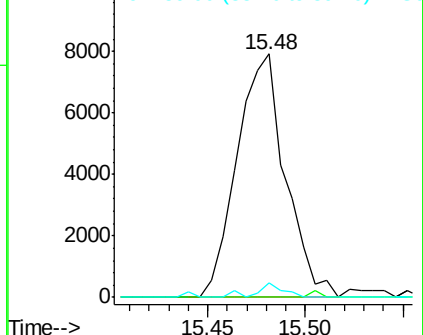
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 52.7  | 79.1# |
| 89      | 6.1   | 49.2  | 73.8# |



Abundance Ion 165.00 (164.70 to 165.70): E

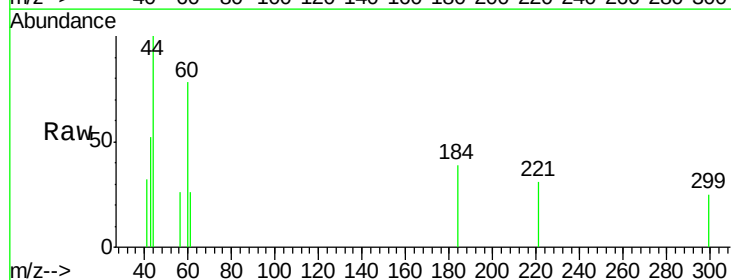
Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



#53  
 2,4-Dinitrophenol  
 Concen: 7.719 ng  
 RT: 15.99 min Scan# 2161  
 Delta R.T. 0.41 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

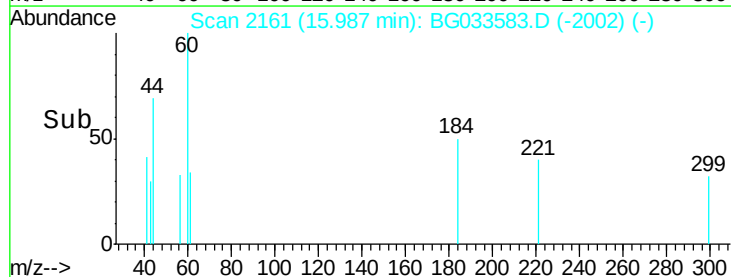
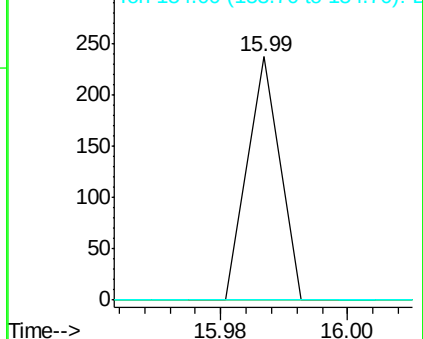
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 0.0   | 59.8  | 89.8#  |
| 154     | 0.0   | 101.8 | 152.8# |



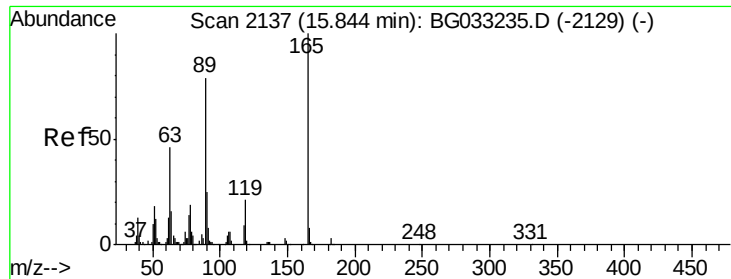
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

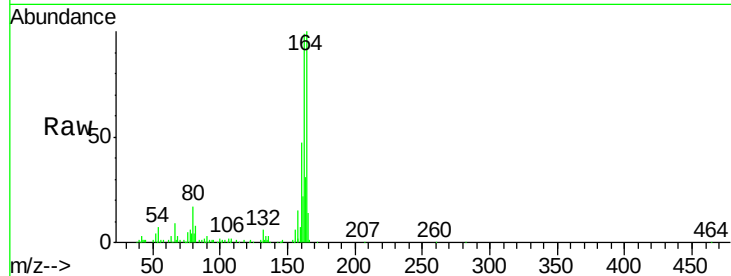






#56  
 2,4-Dinitrotoluene  
 Concen: 4.784 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. -0.34 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 165   | Resp: | 13596  |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 0.0   | 42.0  | 63.0#  |
| 89       | 6.1   | 66.9  | 100.3# |
| 182      | 0.0   | 2.6   | 3.8#   |

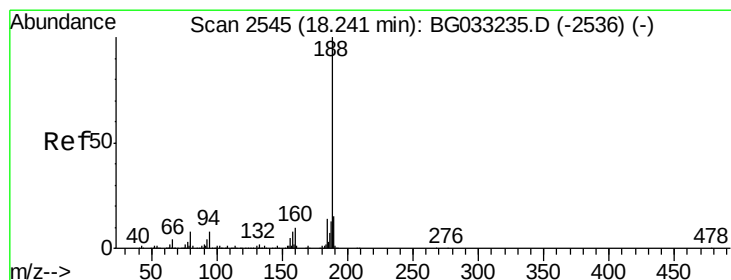
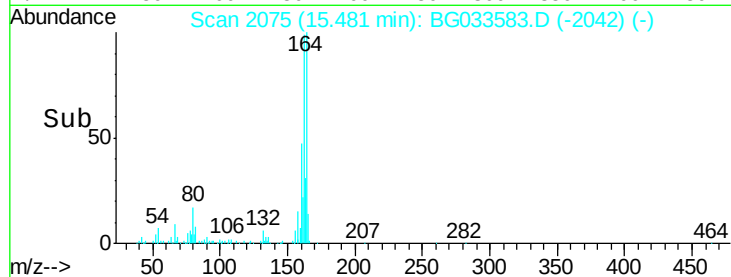
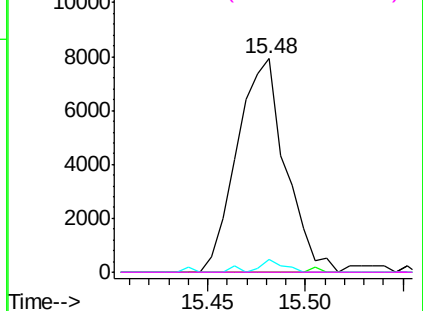


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

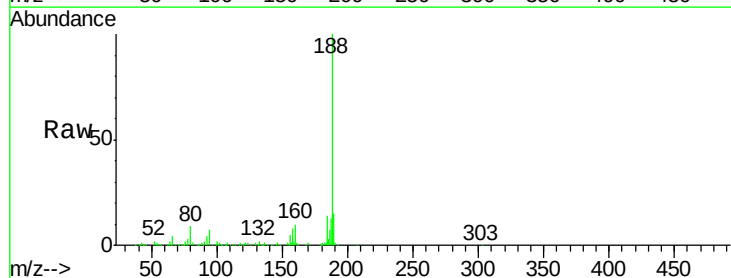
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.21 min Scan# 2539  
 Delta R.T. -0.01 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

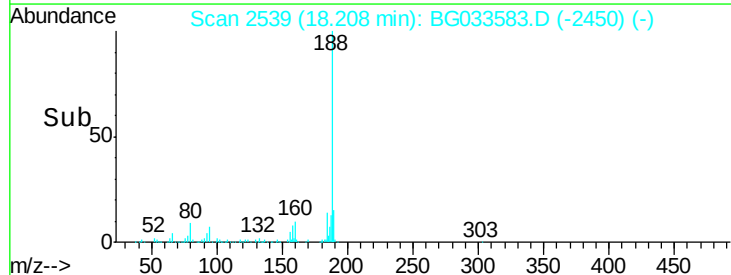
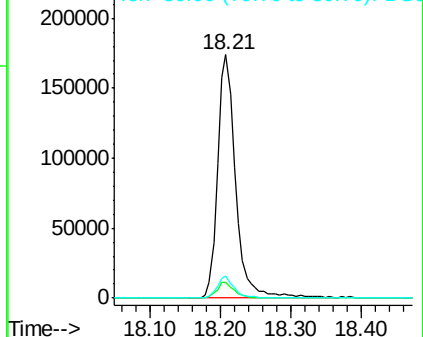
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 308194 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 6.6   | 6.9   | 10.3#  |
| 80       | 9.2   | 7.7   | 11.5   |

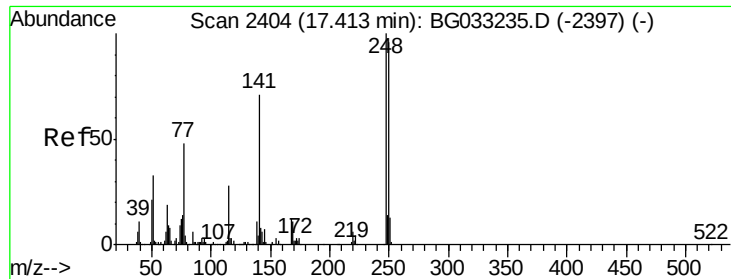


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

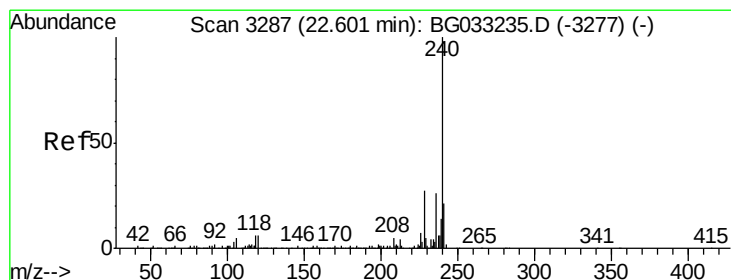
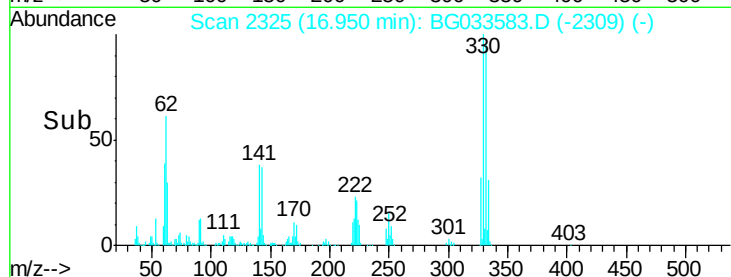
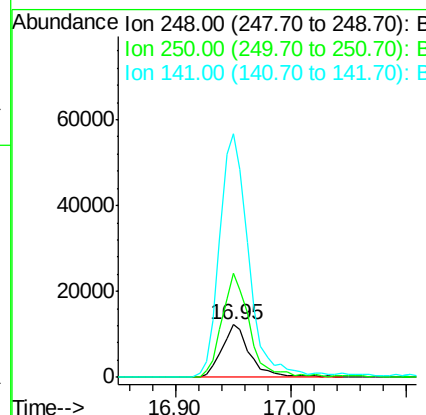
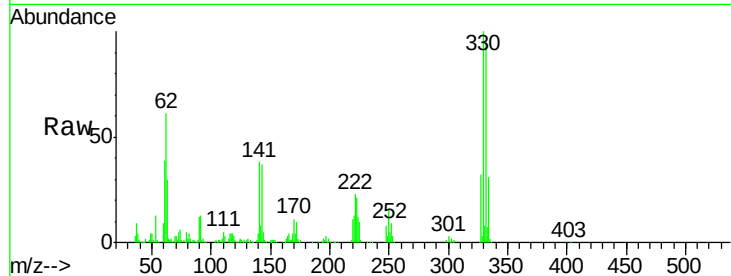
Ion 80.00 (79.70 to 80.70): BGC





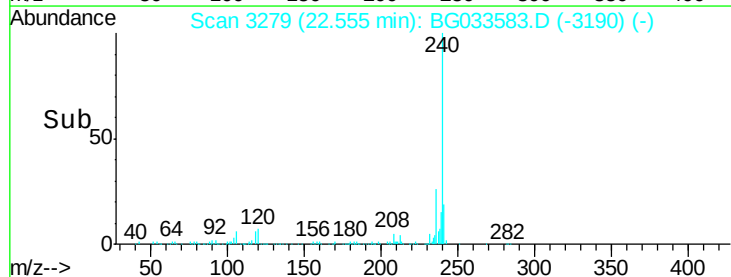
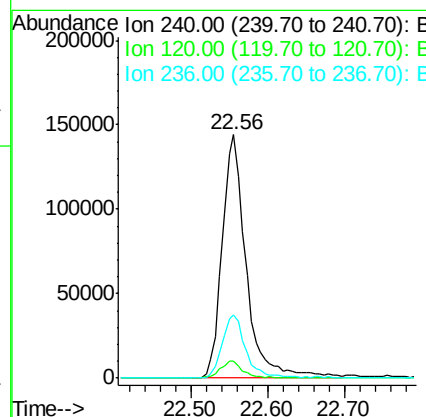
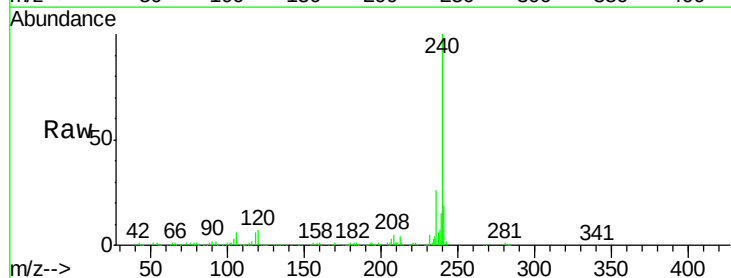
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.699 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. -0.43 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

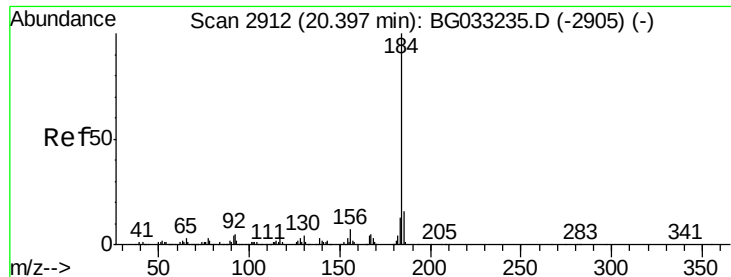
Tot Ion:248 Resp: 20628  
 Ion Ratio Lower Upper  
 248 100  
 250 197.6 77.1 115.7#  
 141 461.2 50.8 76.2#



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 22.56 min Scan# 3279  
 Delta R.T. -0.01 min  
 Lab File: BG033583.D  
 Acq: 5 Apr 2018 6:56

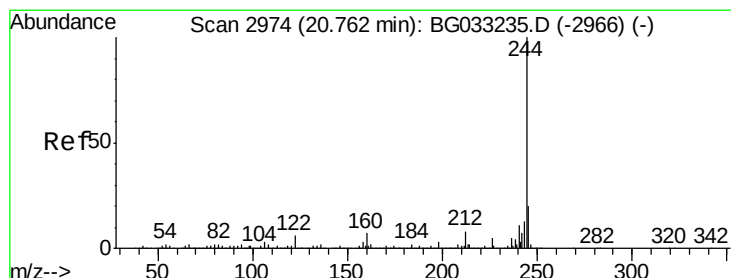
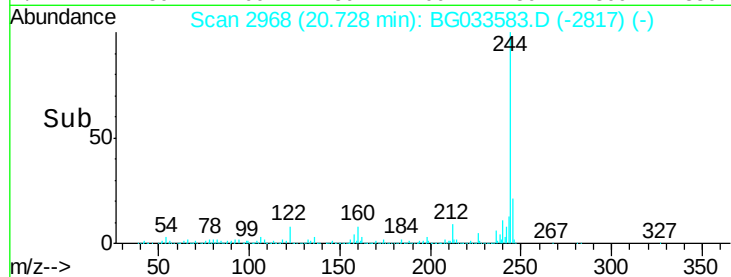
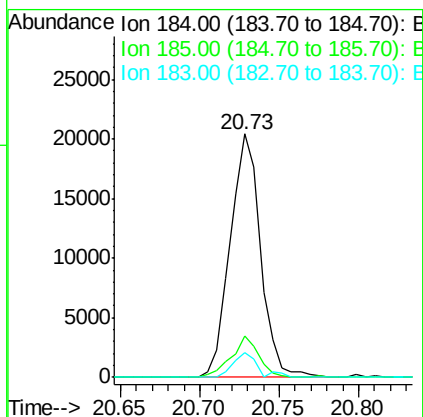
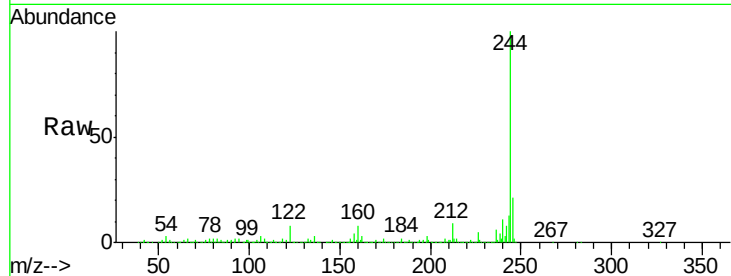
Tgt Ion:240 Resp: 310867  
 Ion Ratio Lower Upper  
 240 100  
 120 6.8 6.8 10.2  
 236 26.2 20.9 31.3





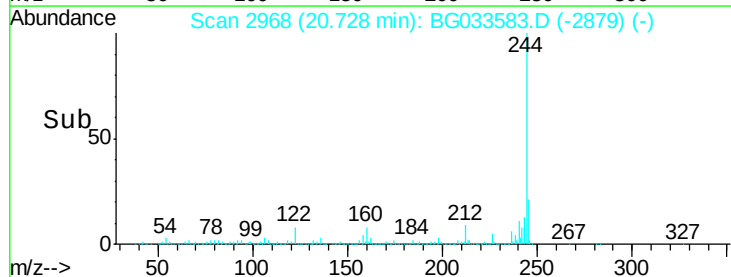
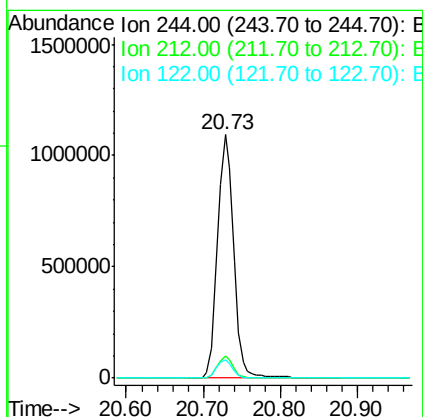
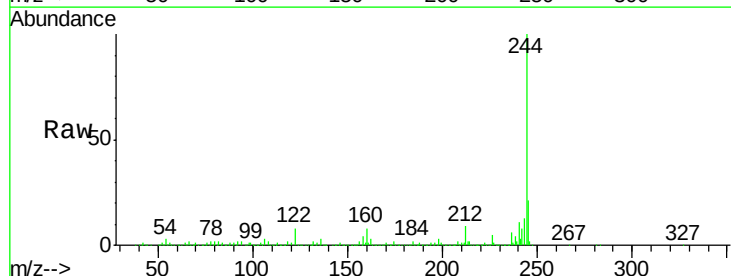
#76  
Benzidine  
Concen: 3.212 ng  
RT: 20.73 min Scan# 2968  
Delta R.T. 0.36 min  
Lab File: BG033583.D  
Acq: 5 Apr 2018 6:56

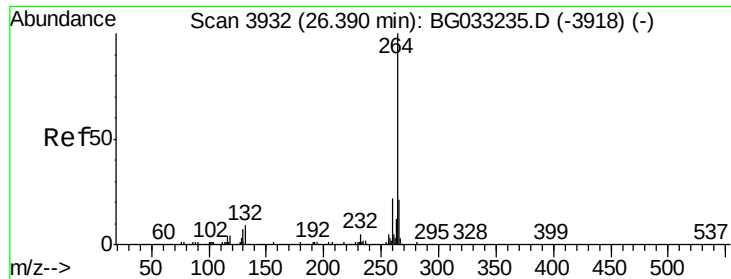
Tot Ion:184 Resp: 27074  
Ion Ratio Lower Upper  
184 100  
185 16.8 11.1 16.7#  
183 9.9 10.6 16.0#



#78  
Terphenyl-d14  
Concen: 108.351 ng  
RT: 20.73 min Scan# 2968  
Delta R.T. -0.01 min  
Lab File: BG033583.D  
Acq: 5 Apr 2018 6:56

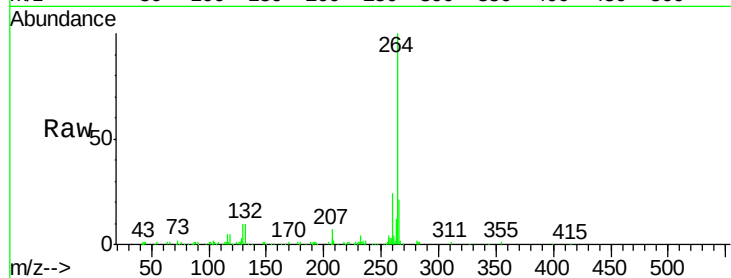
Tgt Ion:244 Resp: 1574981  
Ion Ratio Lower Upper  
244 100  
212 8.9 5.8 8.8#  
122 7.6 7.0 10.4





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.32 min Scan# 3920  
Delta R.T. -0.00 min  
Lab File: BG033583.D  
Acq: 5 Apr 2018 6:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 264312 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.3  | 17.4  | 26.0   |
| 265      | 21.4  | 17.7  | 26.5   |



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

