

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\  
 Data File : BG034800.D  
 Acq On : 30 May 2018 6:30  
 Operator : SJ/JU  
 Sample : J3178-18  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 30 08:01:56 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 25 14:58:34 2018  
 Response via : Initial Calibration

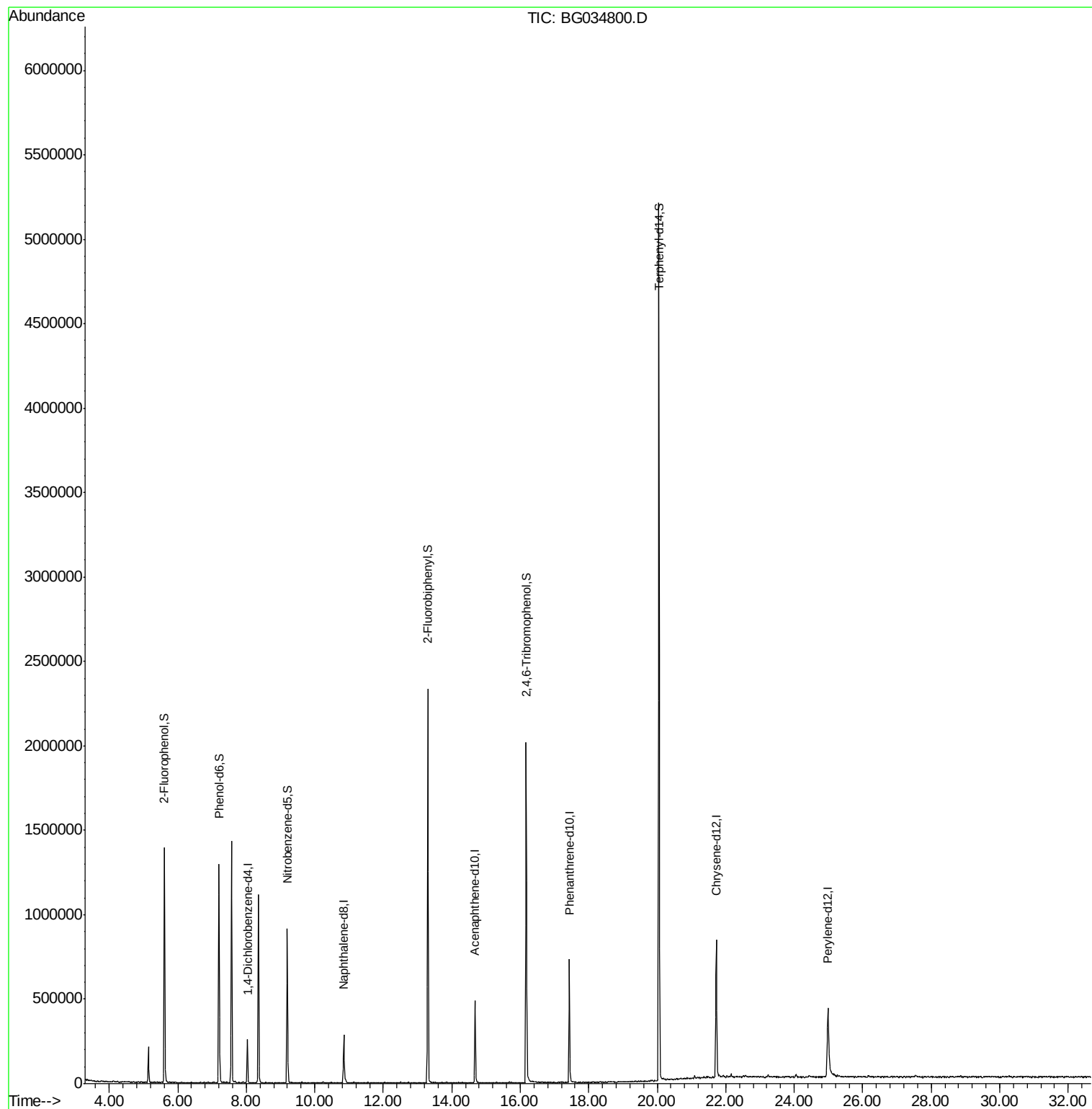
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 71200    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.85 | 136  | 259816   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.68 | 164  | 183961   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.44 | 188  | 495506   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.72 | 240  | 598651   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.99 | 264  | 596103   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 645566   | 139.65 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 823089   | 110.07 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 628824   | 92.46  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 456054   | 143.94 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 1309598  | 96.65  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.05 | 244  | 2743168  | 100.49 | ng    | -0.01    |

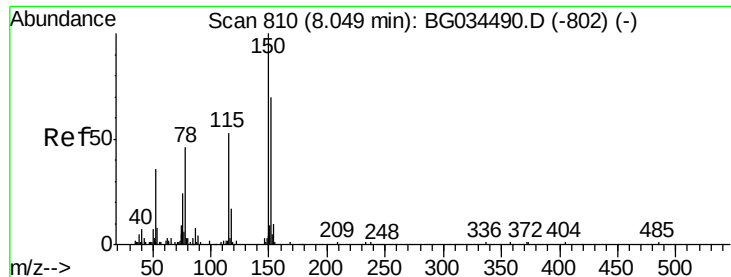
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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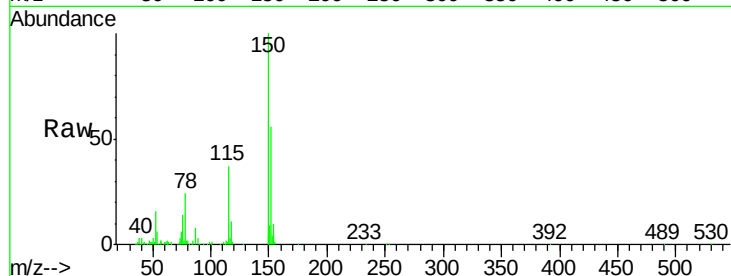




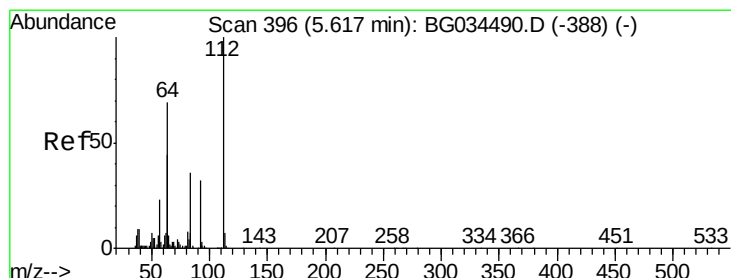
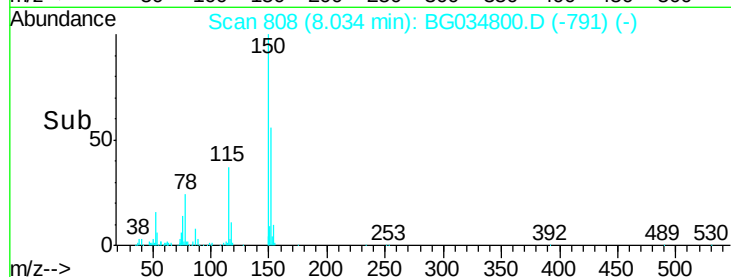
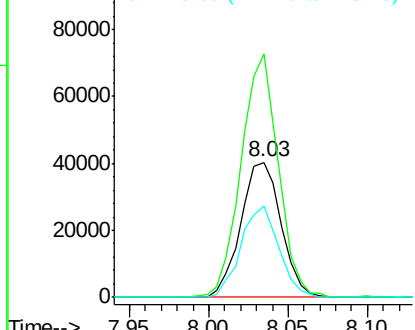
#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 808  
Delta R.T. -0.00 min  
Lab File: BG034800.D  
Acq: 30 May 2018 6:30

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 180.0 | 126.6 | 189.8 |
| 115     | 67.4  | 53.0  | 79.4  |



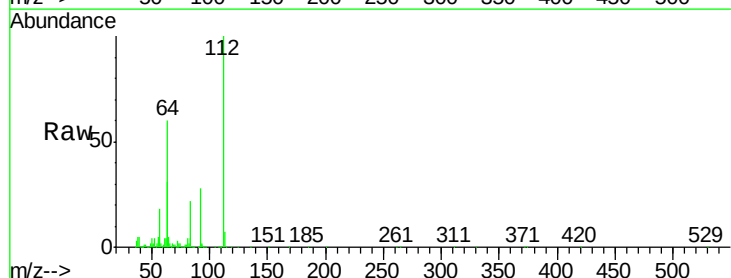
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



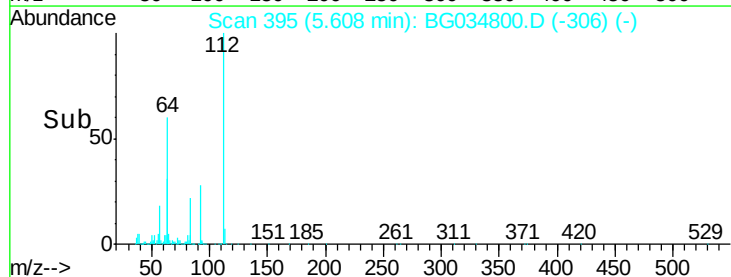
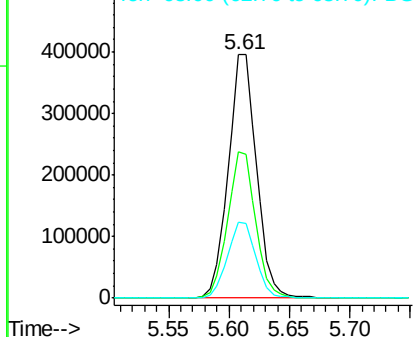
#5

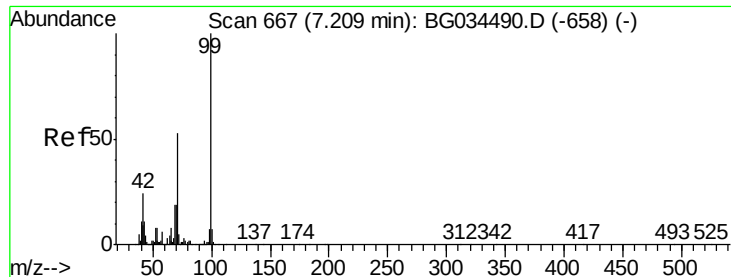
2-Fluorophenol  
Concen: 139.652 ng  
RT: 5.61 min Scan# 395  
Delta R.T. -0.01 min  
Lab File: BG034800.D  
Acq: 30 May 2018 6:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.2  | 56.3  | 84.5  |
| 63      | 31.1  | 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: 110.067 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

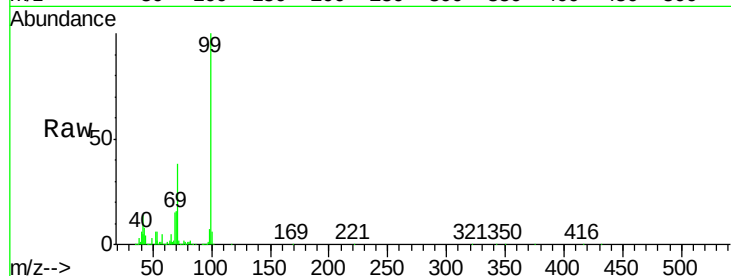
Tot Ion: 99 Resp: 823089

Ion Ratio Lower Upper

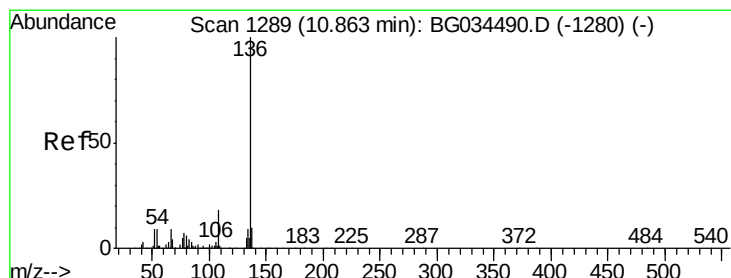
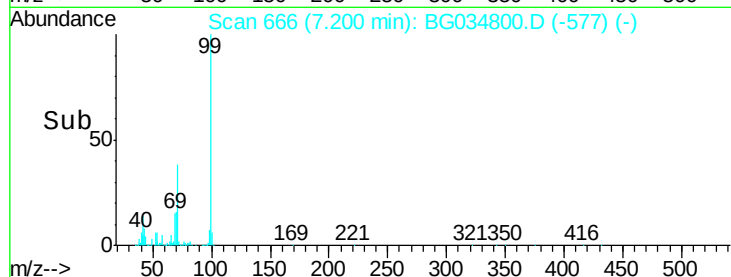
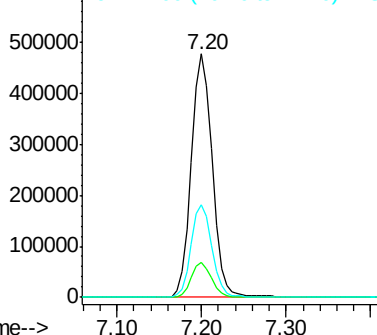
99 100

42 14.5 14.1 21.1

71 38.0 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

Tgt Ion: 136 Resp: 259816

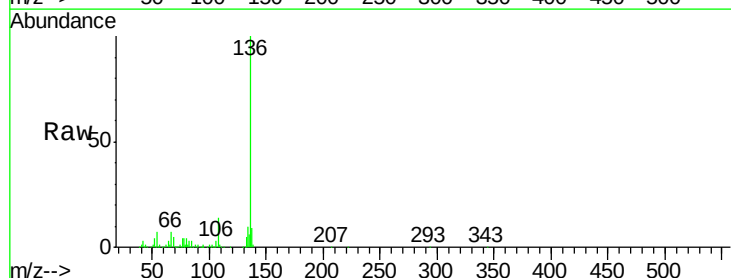
Ion Ratio Lower Upper

136 100

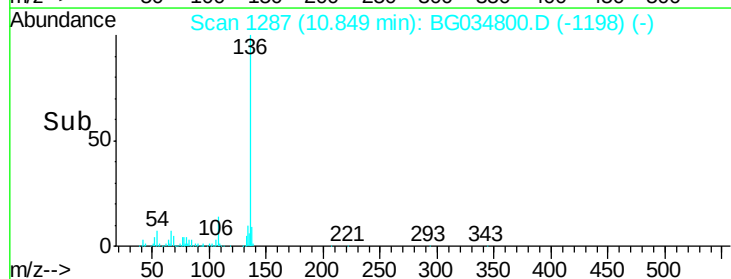
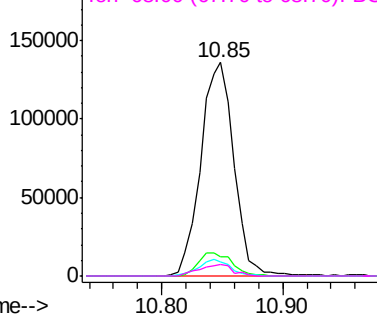
137 9.2 9.2 13.8#

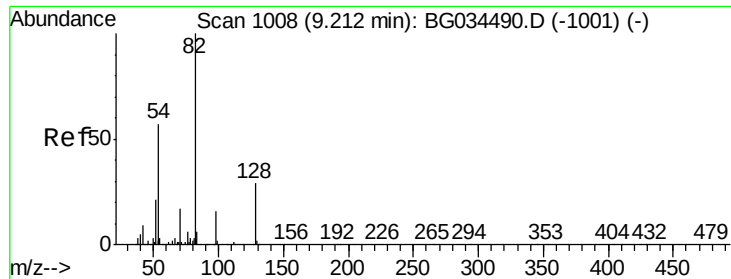
54 6.8 10.3 15.5#

68 5.2 4.5 6.7



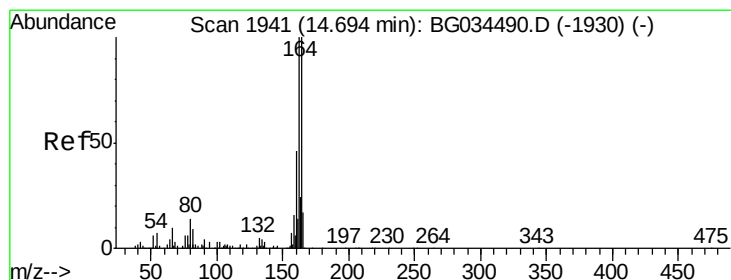
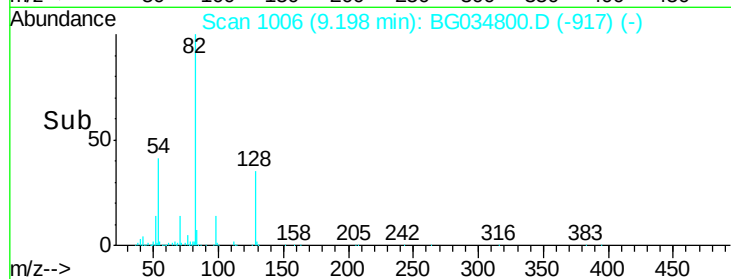
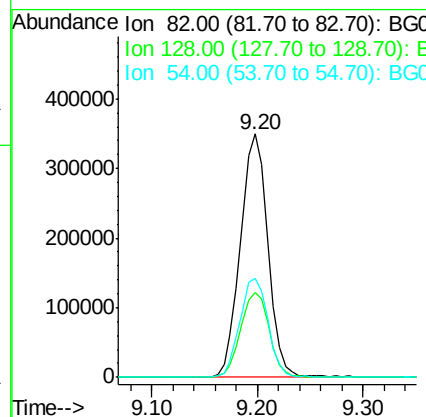
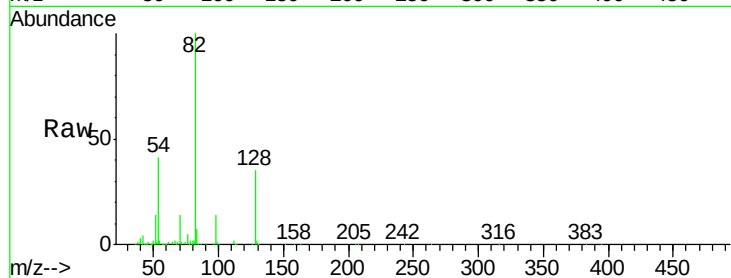
Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC





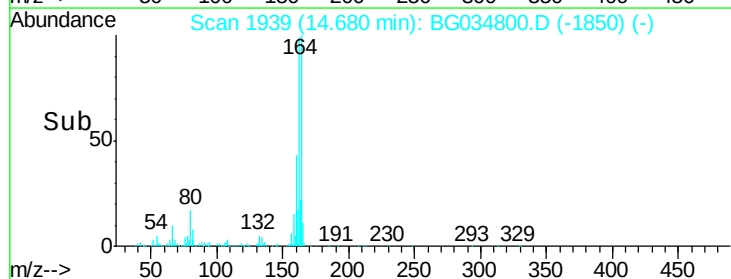
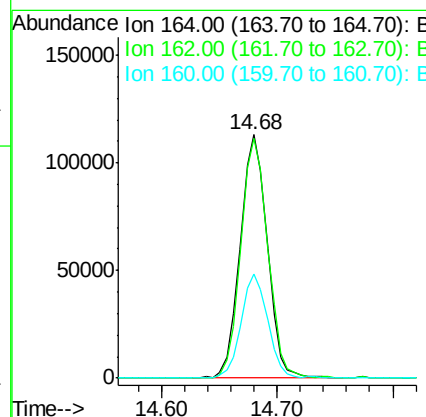
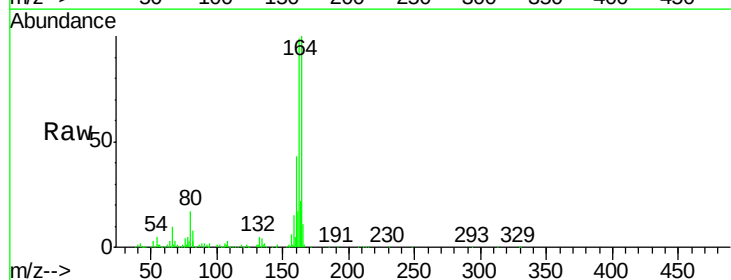
#23  
Nitrobenzene-d5  
Concen: 92.455 ng  
RT: 9.20 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BG034800.D  
Acq: 30 May 2018 6:30

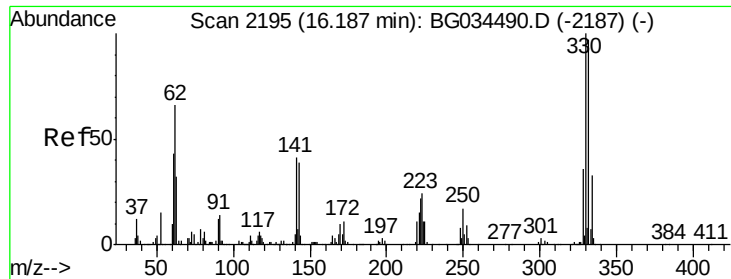
| Tot Ion   | 82   | Resp  | 628824 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 35.1 | 29.7  | 44.5   |
| 54        | 40.9 | 43.1  | 64.7#  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.68 min Scan# 1939  
Delta R.T. -0.01 min  
Lab File: BG034800.D  
Acq: 30 May 2018 6:30

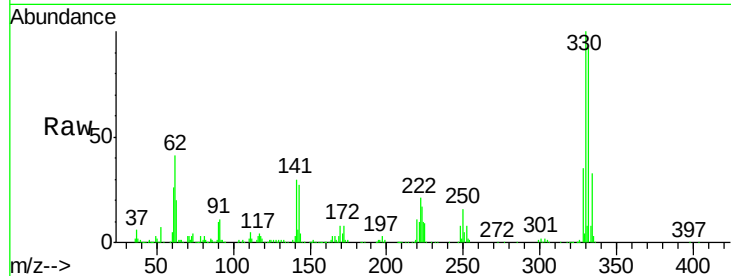
| Tgt Ion   | 164  | Resp  | 183961 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 162       | 98.6 | 78.8  | 118.2  |
| 160       | 42.8 | 35.4  | 53.0   |



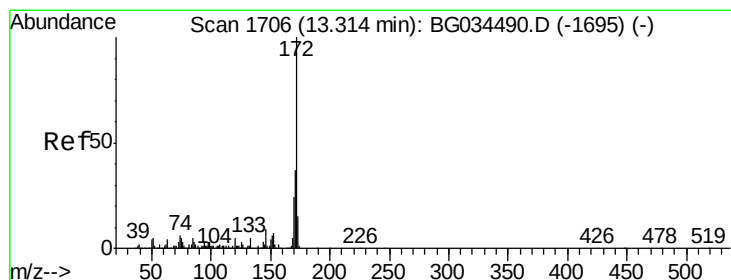
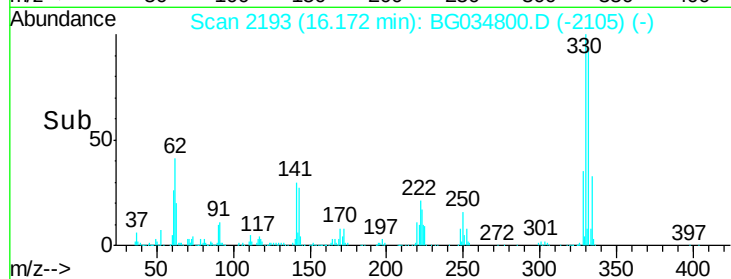
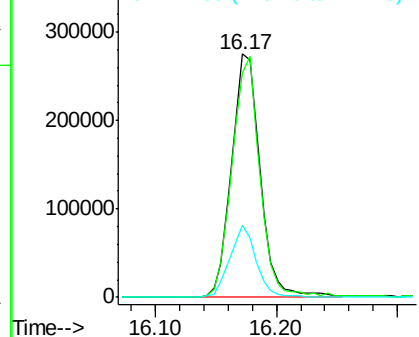


#41  
 2,4,6-Tribromophenol  
 Concen: 143.943 ng  
 RT: 16.17 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: BG034800.D  
 Acq: 30 May 2018 6:30

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 77.0  | 115.6 |
| 141     | 26.9  | 25.2  | 37.8  |

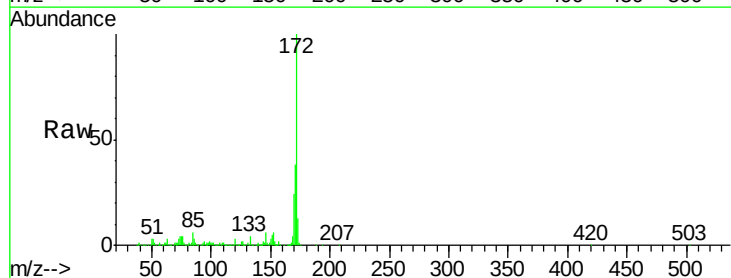


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

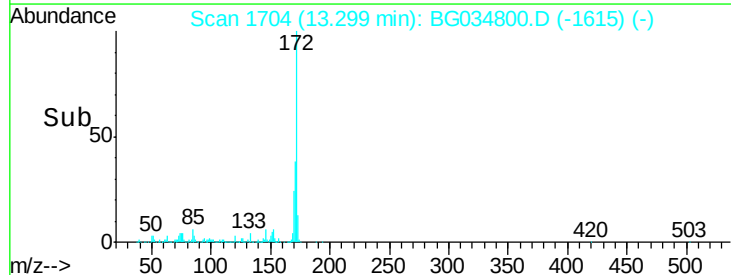
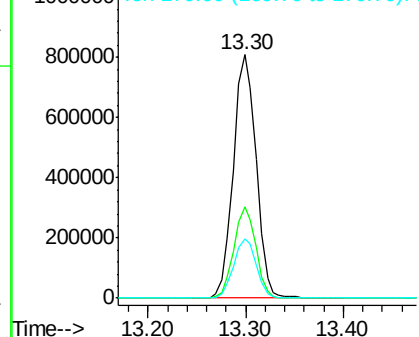


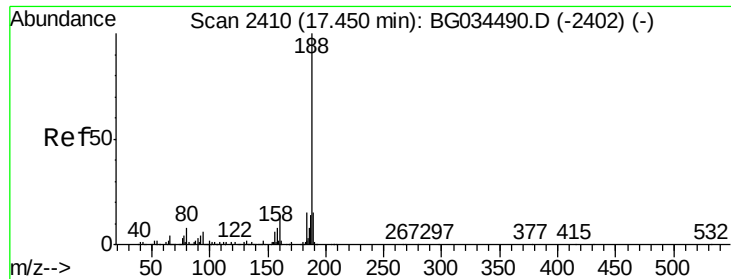
#44  
 2-Fluorobiphenyl  
 Concen: 96.648 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG034800.D  
 Acq: 30 May 2018 6:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 30.0  | 45.0  |
| 170     | 24.2  | 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

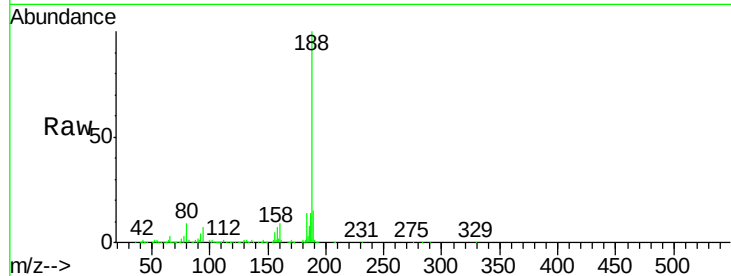
Tot Ion:188 Resp: 495506

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

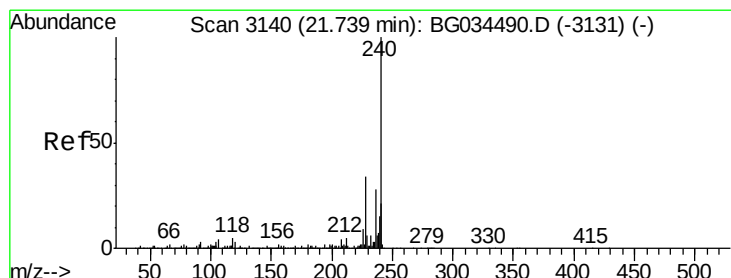
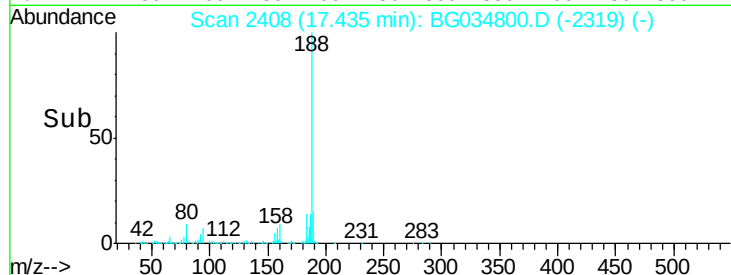
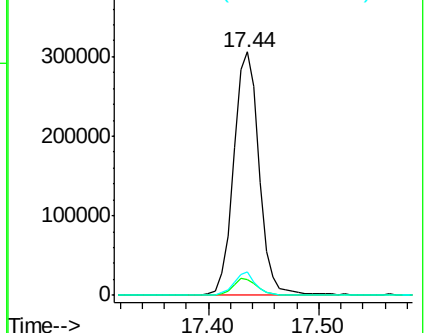
80 9.5 7.7 11.5



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

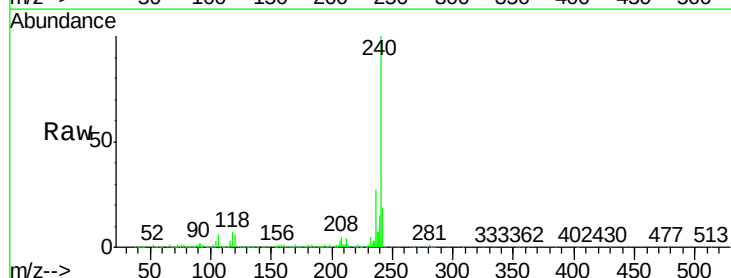
Tgt Ion:240 Resp: 598651

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

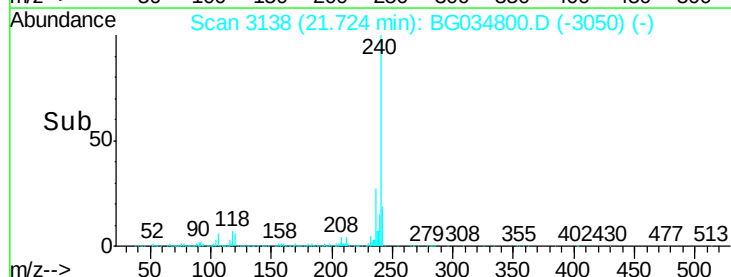
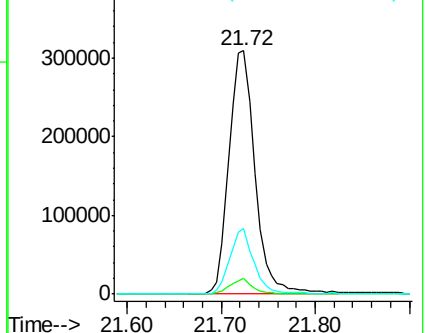
236 26.9 20.9 31.3

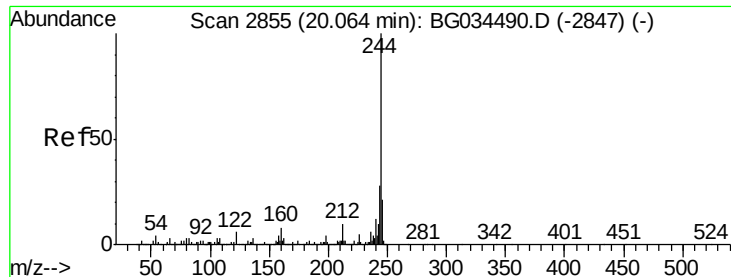


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 100.487 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

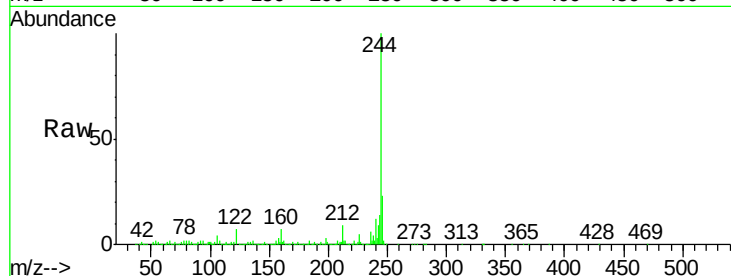
Tot Ion:244 Resp: 2743168

Ion Ratio Lower Upper

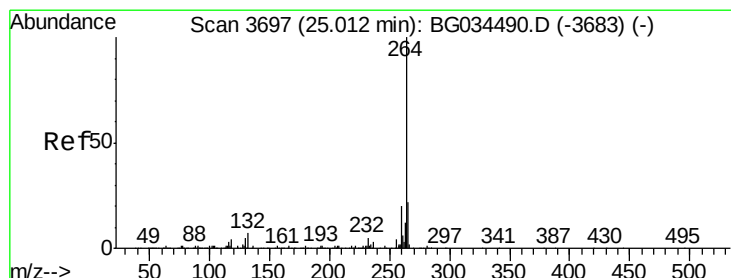
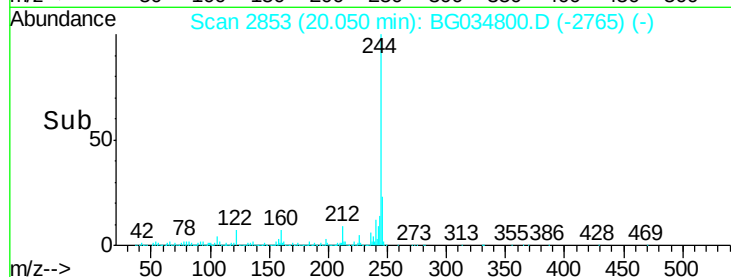
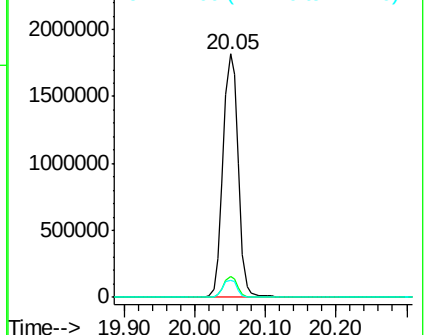
244 100

212 8.7 5.8 8.8

122 7.1 7.0 10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3693

Delta R.T. -0.02 min

Lab File: BG034800.D

Acq: 30 May 2018 6:30

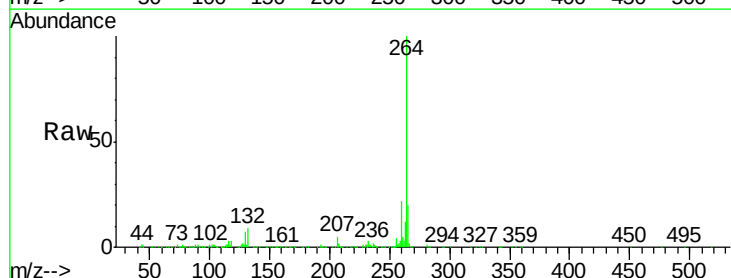
Tgt Ion:264 Resp: 596103

Ion Ratio Lower Upper

264 100

260 21.6 17.4 26.0

265 19.5 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

