

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080618\  
 Data File : BG036131.D  
 Acq On : 6 Aug 2018 17:28  
 Operator : JU/SJ  
 Sample : J4313-06  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-7

Quant Time: Aug 06 18:46:05 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 30252    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.82 | 136  | 97933    | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.64 | 164  | 68990    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.38 | 188  | 212568   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.64 | 240  | 239285   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.83 | 264  | 225210   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 244877   | 134.39 | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 303770   | 111.74 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 260969   | 111.32 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 196063   | 215.61 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 586921   | 113.98 | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.99 | 244  | 1311683  | 120.83 | ng    | -0.02    |

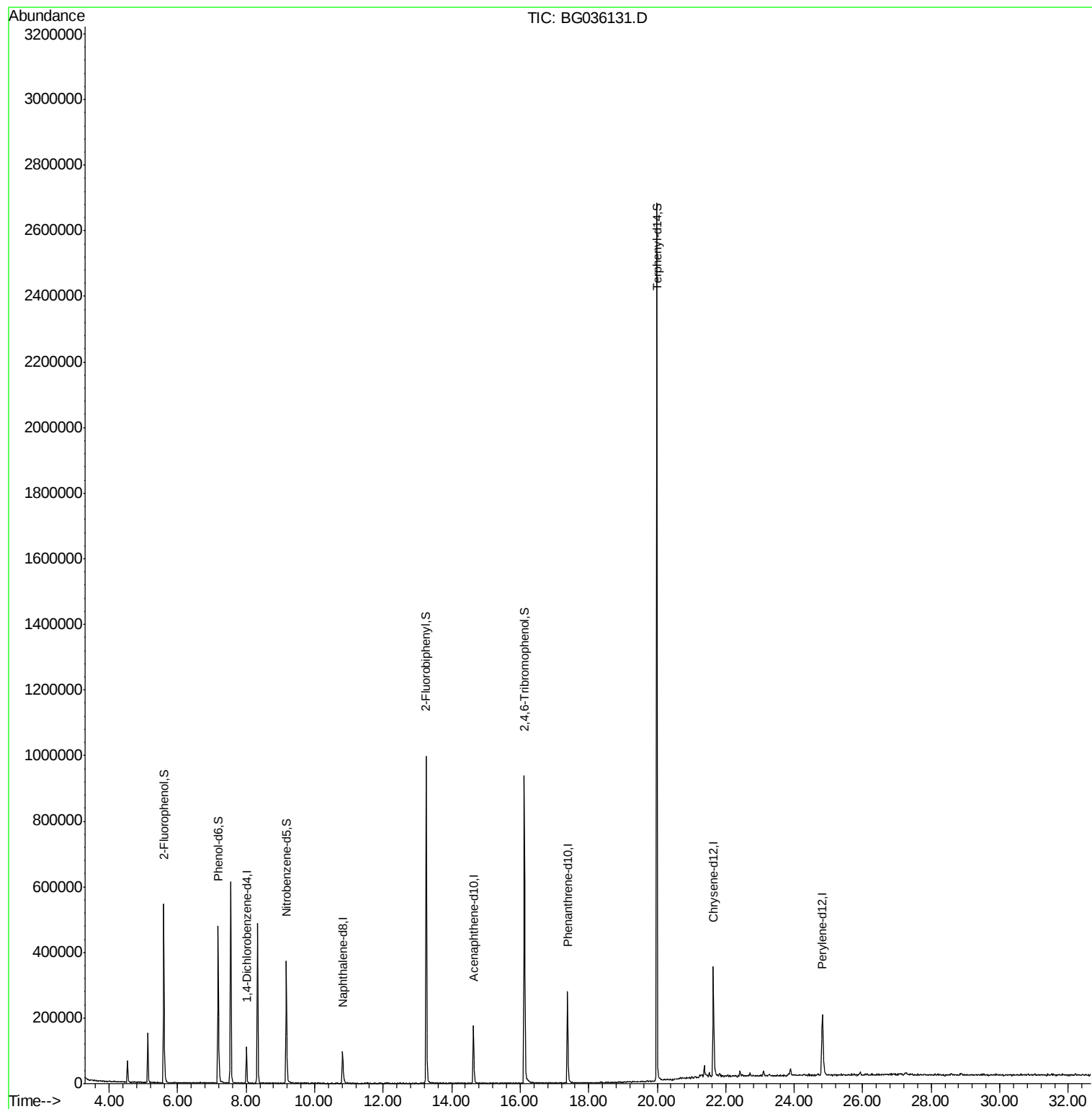
Target Compounds Qvalue

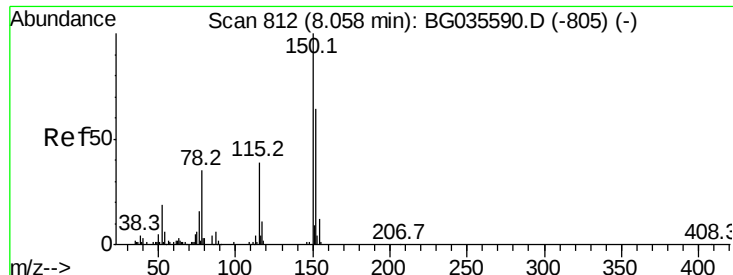
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



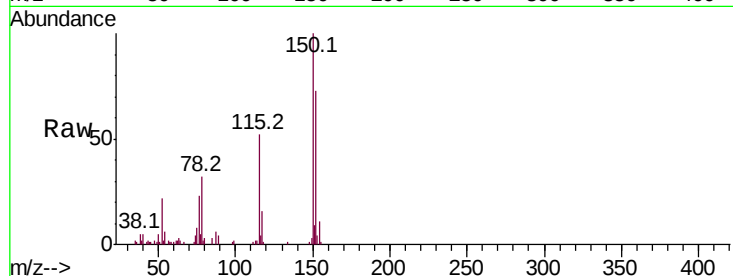


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 803  
Delta R.T. -0.02 min  
Lab File: BG036131.D  
Acq: 6 Aug 2018 17:28

Instrument :  
BNA\_G  
ClientSampleId :  
C-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 137.0 | 126.6 | 189.8 |
| 115     | 71.2  | 53.0  | 79.4  |

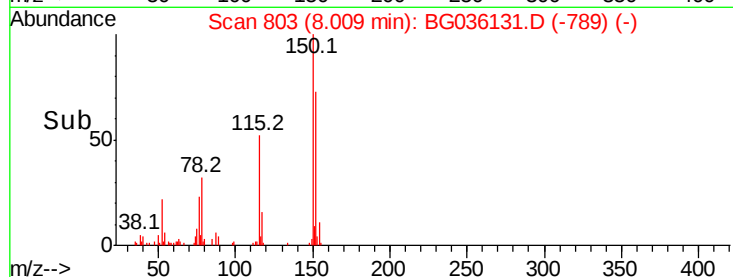
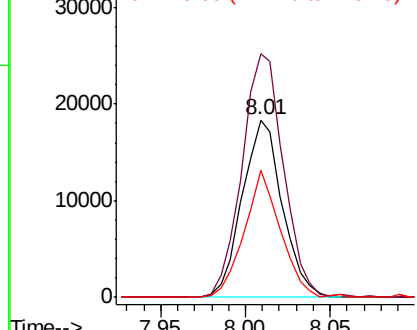


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

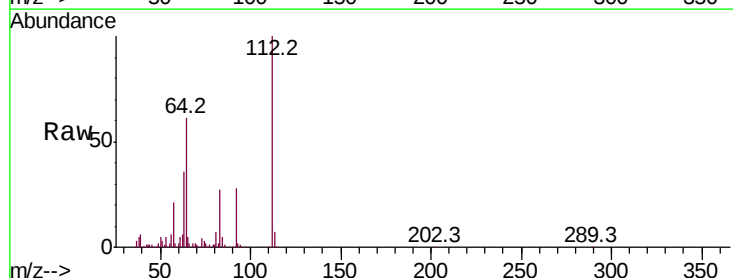
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 134.389 ng  
RT: 5.60 min Scan# 393  
Delta R.T. -0.00 min  
Lab File: BG036131.D  
Acq: 6 Aug 2018 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.3  | 56.3  | 84.5  |
| 63      | 35.6  | 30.1  | 45.1  |

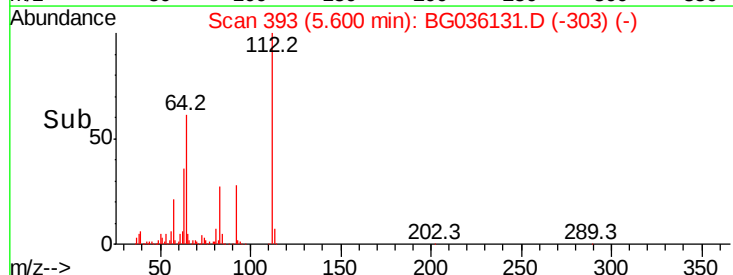
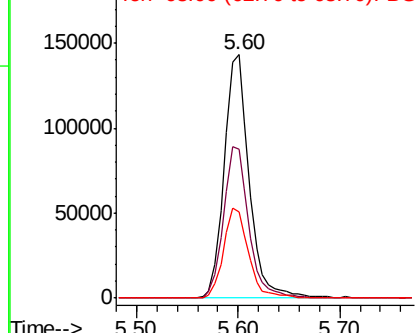


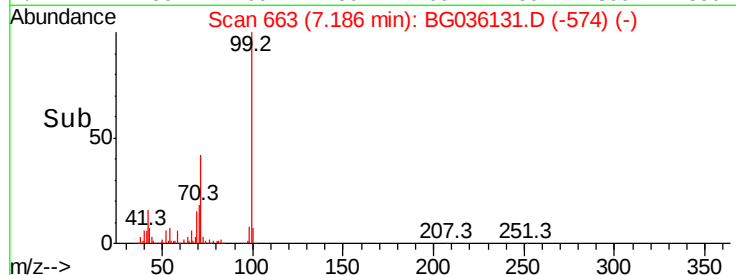
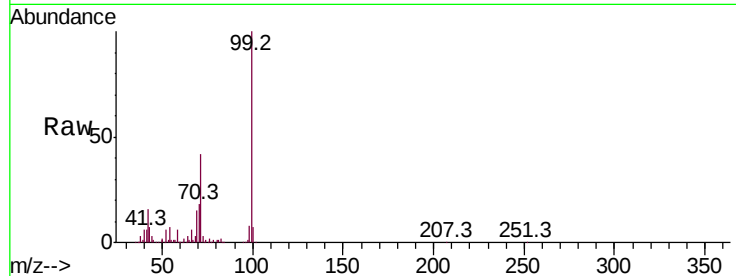
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 111.736 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036131.D

Acq: 6 Aug 2018 17:28

Instrument :

BNA\_G

ClientSampleId :

C-7

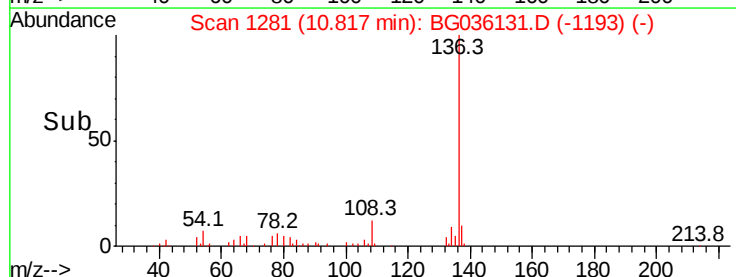
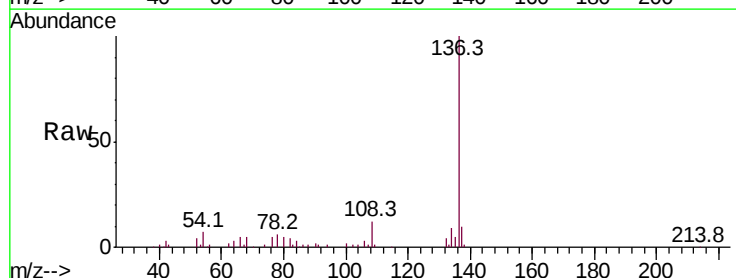
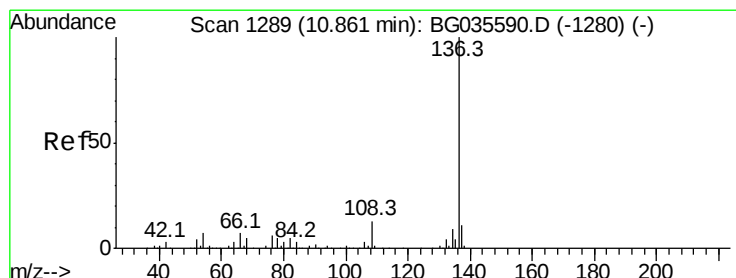
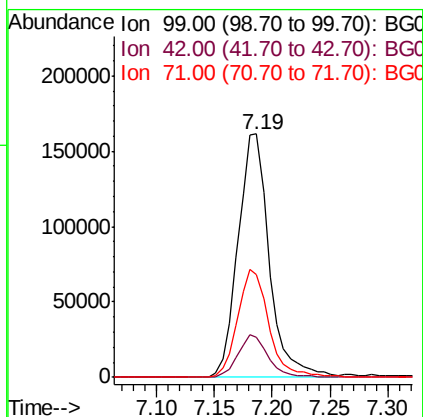
Tot Ion: 99 Resp: 303770

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

71 42.5 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036131.D

Acq: 6 Aug 2018 17:28

Tgt Ion: 136 Resp: 97933

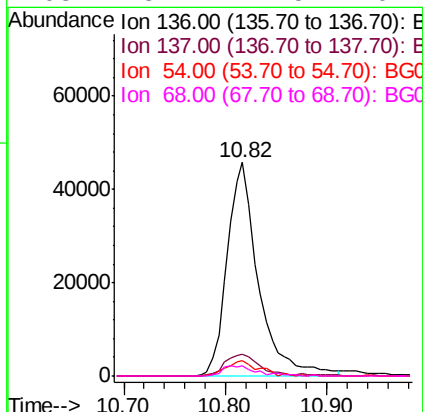
Ion Ratio Lower Upper

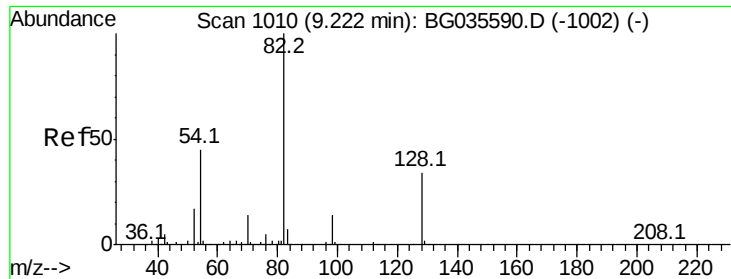
136 100

137 10.3 9.2 13.8

54 7.0 10.3 15.5#

68 5.1 4.5 6.7

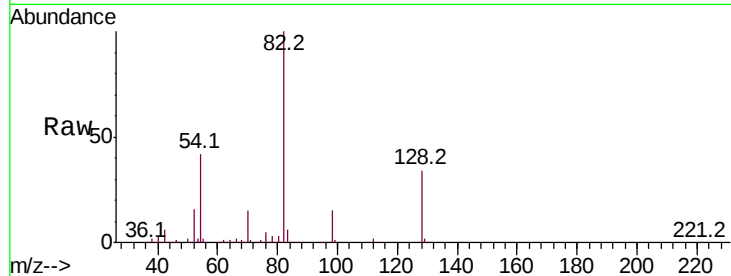




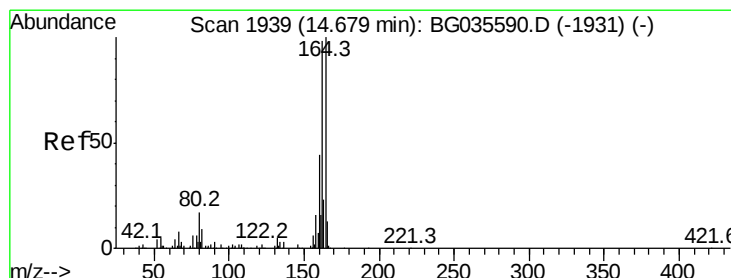
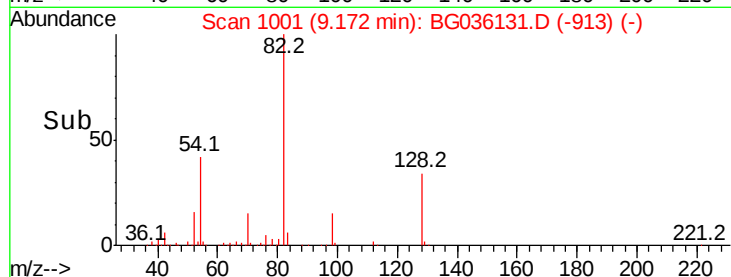
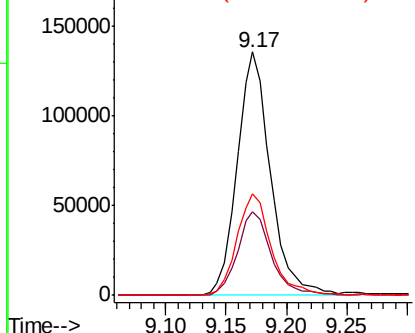
#23  
 Nitrobenzene-d5  
 Concen: 111.320 ng  
 RT: 9.17 min Scan# 1001  
 Delta R.T. -0.02 min  
 Lab File: BG036131.D  
 Acq: 6 Aug 2018 17:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-7

| Tot Ion | 82    | Resp  | 260969 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 34.3  | 29.7  | 44.5   |
| 54      | 41.7  | 43.1  | 64.7#  |

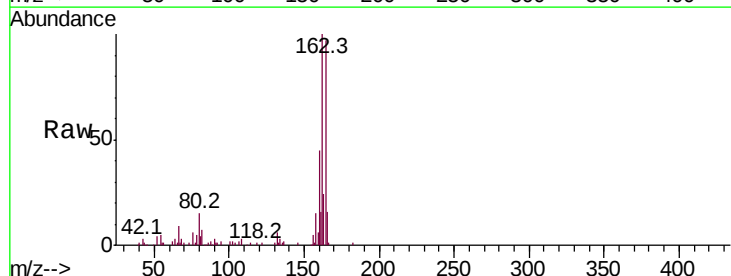


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

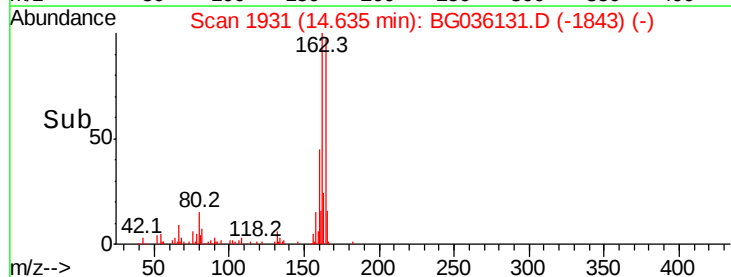
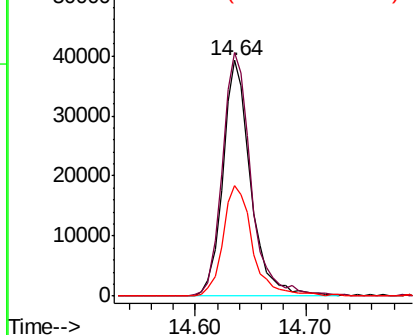


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.64 min Scan# 1931  
 Delta R.T. -0.02 min  
 Lab File: BG036131.D  
 Acq: 6 Aug 2018 17:28

| Tgt Ion | 164   | Resp  | 68990 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 103.5 | 78.8  | 118.2 |
| 160     | 46.8  | 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

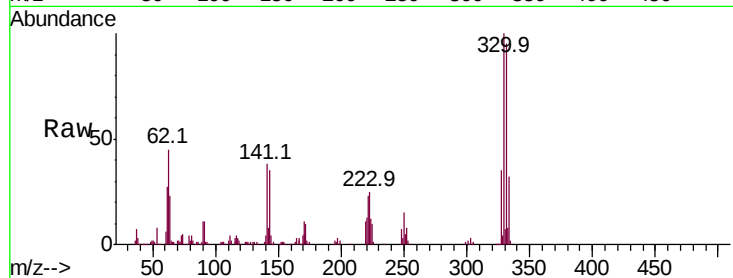




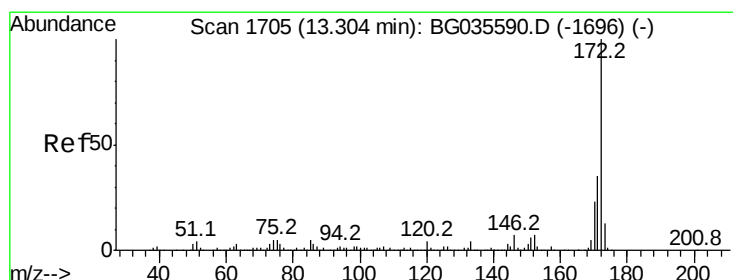
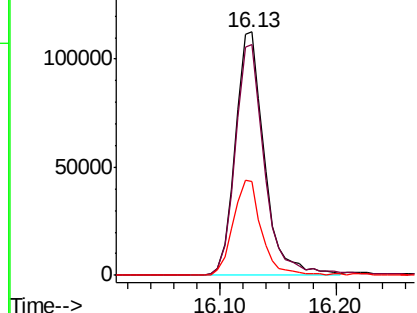
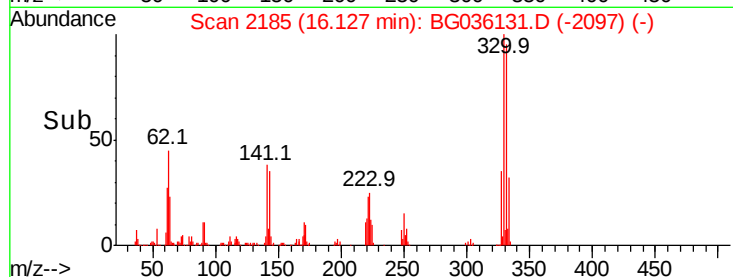
#41  
 2,4,6-Tribromophenol  
 Concen: 215.612 ng  
 RT: 16.13 min Scan# 2185  
 Delta R.T. -0.02 min  
 Lab File: BG036131.D  
 Acq: 6 Aug 2018 17:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.0  | 115.6 |
| 141     | 38.6  | 25.2  | 37.8# |

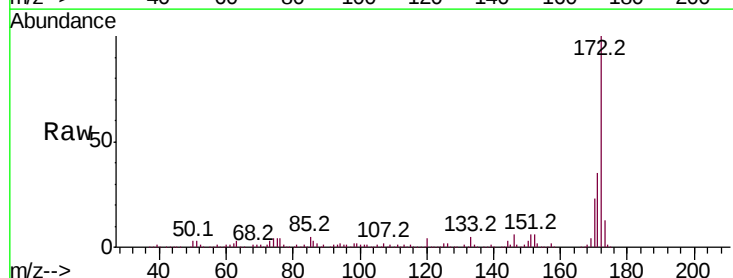


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

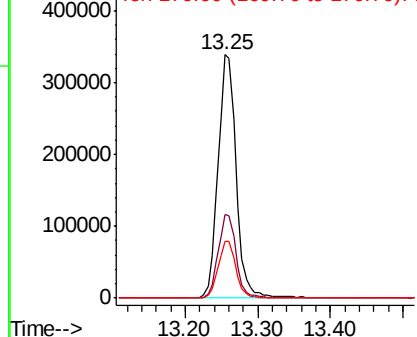
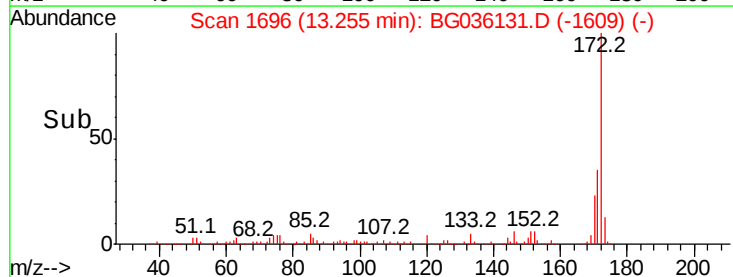


#44  
 2-Fluorobiphenyl  
 Concen: 113.976 ng  
 RT: 13.25 min Scan# 1696  
 Delta R.T. -0.02 min  
 Lab File: BG036131.D  
 Acq: 6 Aug 2018 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.5  | 30.0  | 45.0  |
| 170     | 23.1  | 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

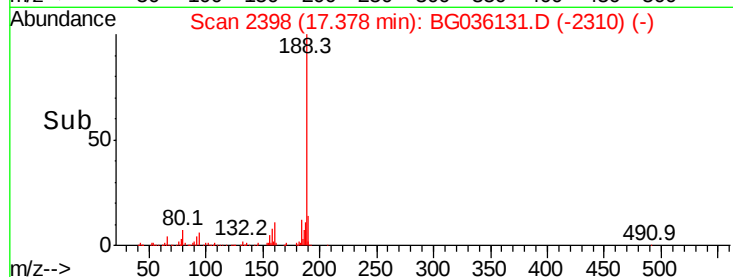
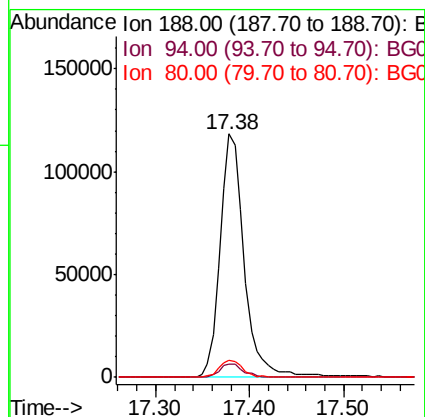
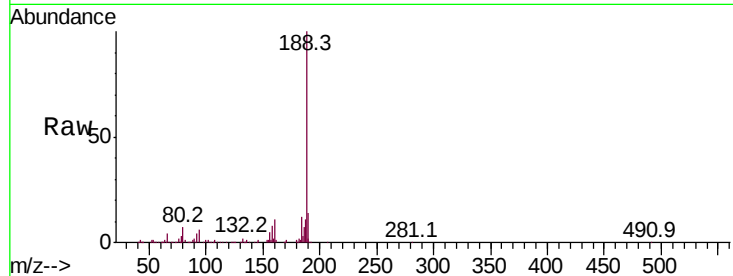




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.38 min Scan# 2398  
Delta R.T. -0.02 min  
Lab File: BG036131.D  
Acq: 6 Aug 2018 17:28

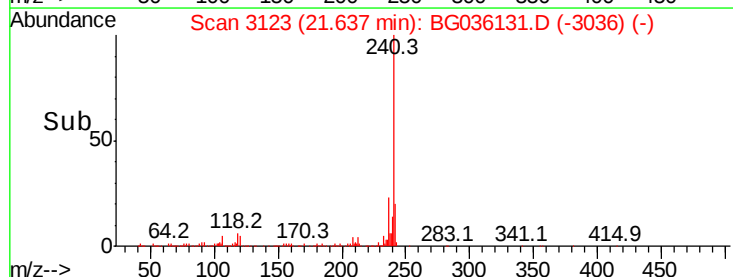
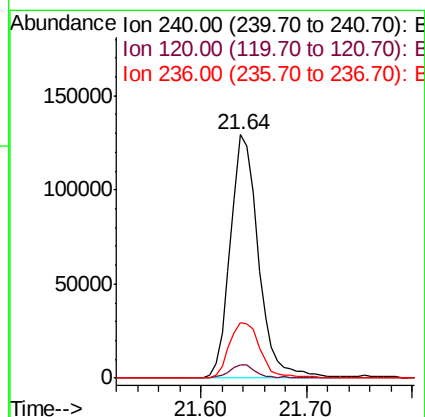
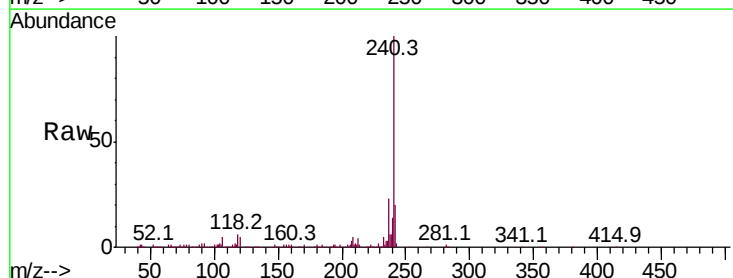
Instrument :  
BNA\_G  
ClientSampleId :  
C-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.6   | 6.9   | 10.3# |
| 80      | 6.9   | 7.7   | 11.5# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.64 min Scan# 3123  
Delta R.T. -0.02 min  
Lab File: BG036131.D  
Acq: 6 Aug 2018 17:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.5   | 6.8   | 10.2# |
| 236     | 22.7  | 20.9  | 31.3  |





#78

Terphenyl-d14

Concen: 120.833 ng

RT: 19.99 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036131.D

Acq: 6 Aug 2018 17:28

Instrument :

BNA\_G

ClientSampleId :

C-7

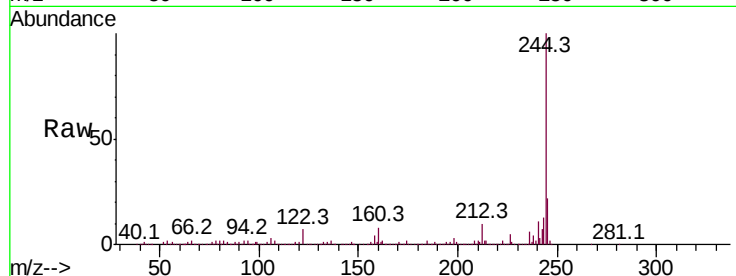
Tot Ion:244 Resp: 1311683

Ion Ratio Lower Upper

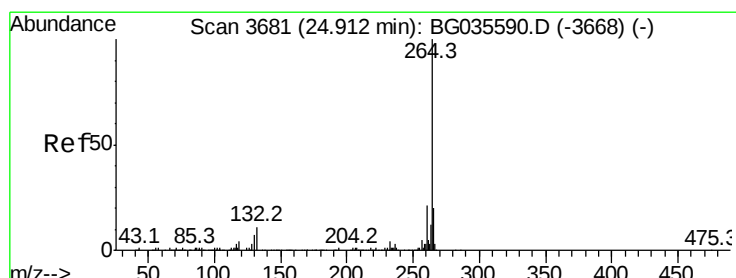
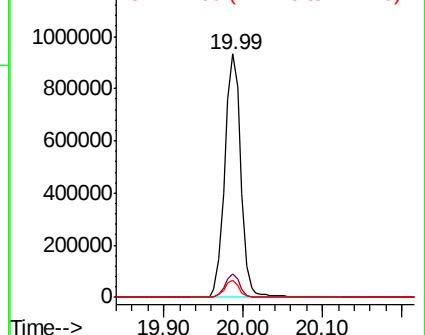
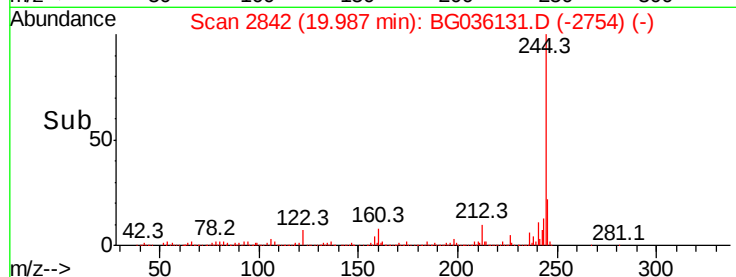
244 100

212 9.8 5.8 8.8#

122 6.8 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: 24.83 min Scan# 3666

Delta R.T. -0.03 min

Lab File: BG036131.D

Acq: 6 Aug 2018 17:28

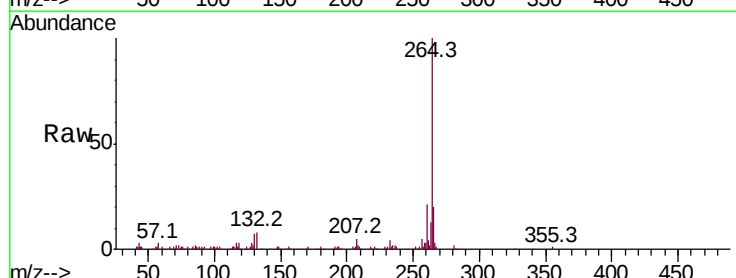
Tgt Ion:264 Resp: 225210

Ion Ratio Lower Upper

264 100

260 21.4 17.4 26.0

265 20.5 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

