

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080618\  
 Data File : BG036129.D  
 Acq On : 6 Aug 2018 16:09  
 Operator : JU/SJ  
 Sample : J4313-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-5

Quant Time: Aug 06 18:35:55 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  | 31252    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.81 | 136  | 105132   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.64 | 164  | 72739    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.38 | 188  | 215858   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.64 | 240  | 262940   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.83 | 264  | 134692   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 233162   | 123.87 | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 290126   | 103.30 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 256213   | 101.81 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.12 | 330  | 185698   | 193.69 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.26 | 172  | 565818   | 104.22 | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.99 | 244  | 1223437  | 102.56 | ng    | -0.01    |

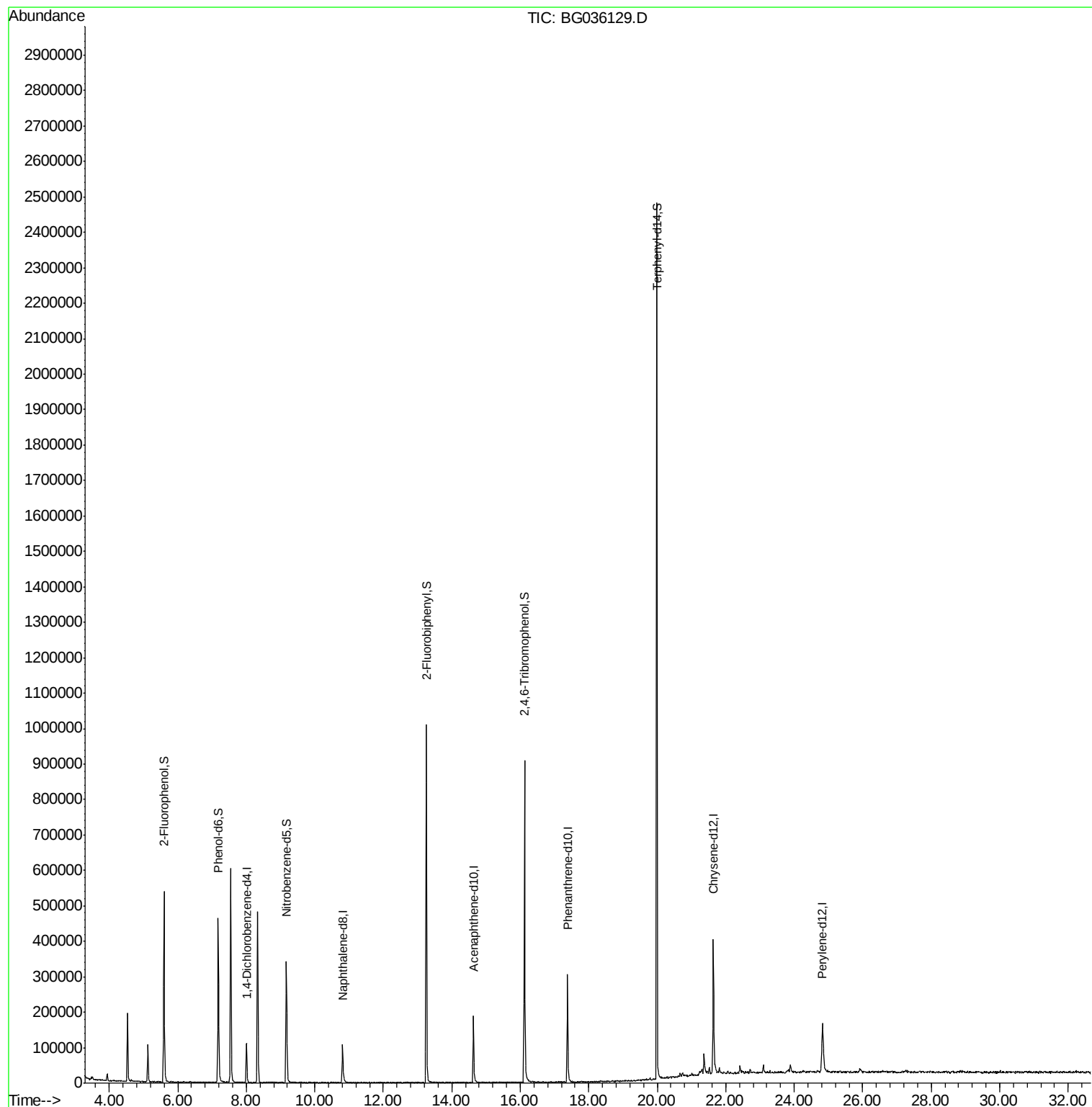
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 31 12:30:06 2018  
Response via : Initial Calibration



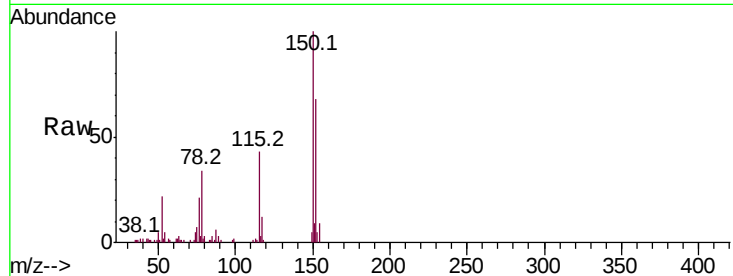


#1

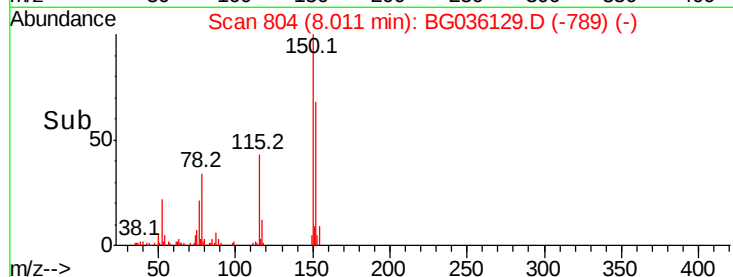
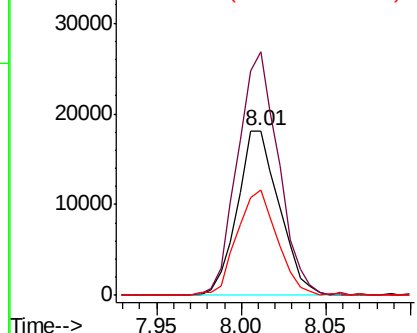
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: BG036129.D  
Acq: 6 Aug 2018 16:09

Instrument :  
BNA\_G  
ClientSampleId :  
C-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 147.9 | 126.6 | 189.8 |
| 115     | 64.3  | 53.0  | 79.4  |



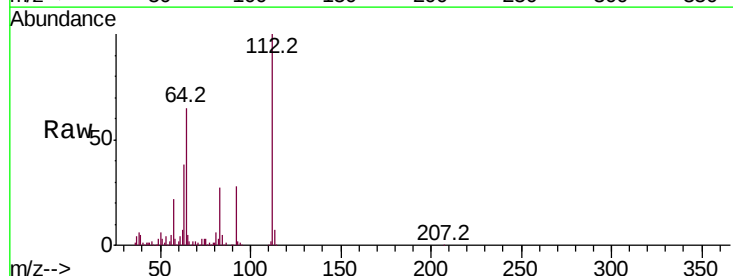
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



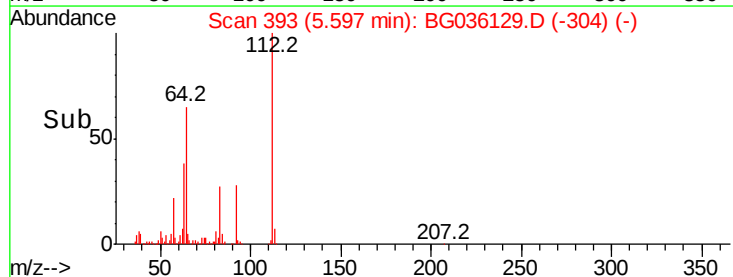
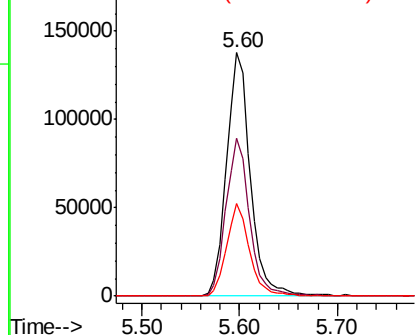
#5

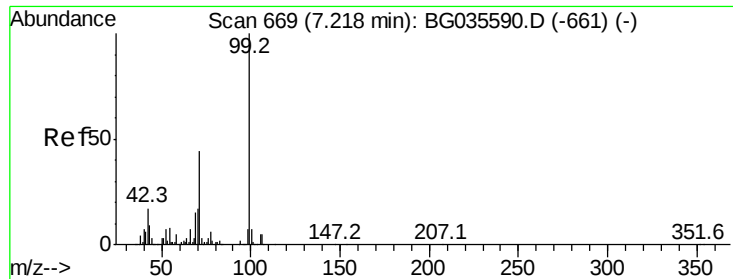
2-Fluorophenol  
Concen: 123.865 ng  
RT: 5.60 min Scan# 393  
Delta R.T. -0.01 min  
Lab File: BG036129.D  
Acq: 6 Aug 2018 16:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.1  | 56.3  | 84.5  |
| 63      | 38.0  | 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: 103.303 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036129.D

Acq: 6 Aug 2018 16:09

Instrument :

BNA\_G

ClientSampleId :

C-5

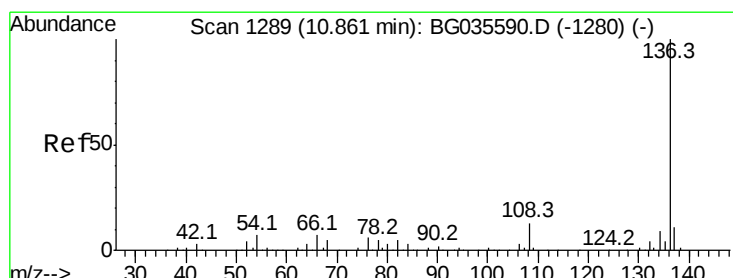
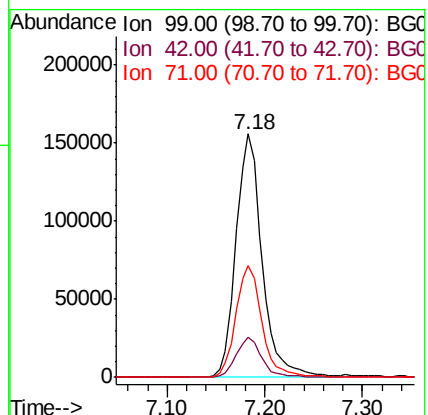
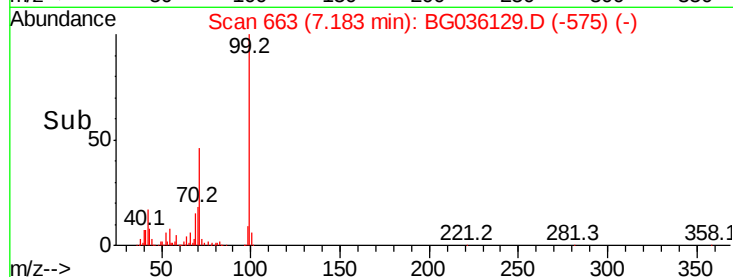
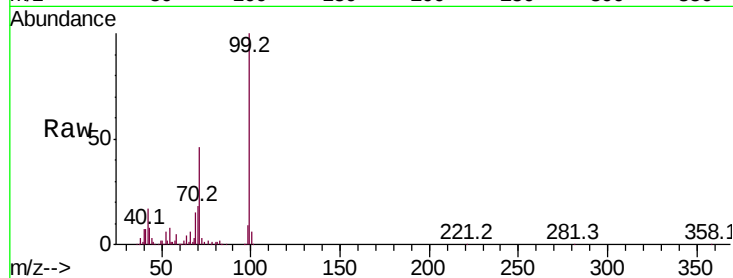
Tot Ion: 99 Resp: 290126

Ion Ratio Lower Upper

99 100

42 16.6 14.1 21.1

71 45.8 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036129.D

Acq: 6 Aug 2018 16:09

Tgt Ion: 136 Resp: 105132

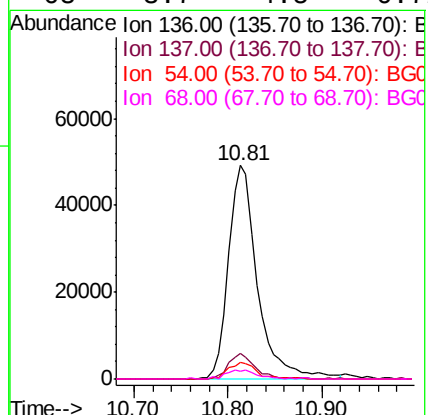
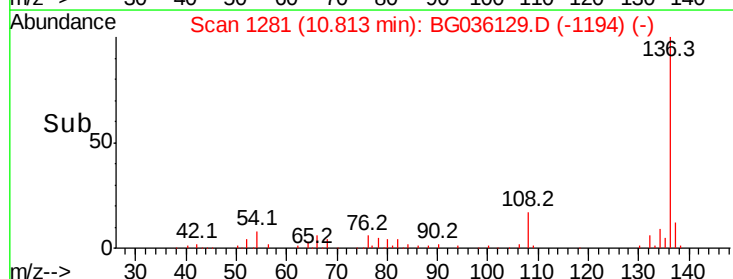
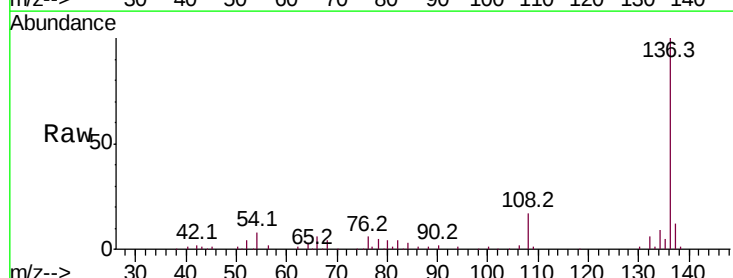
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 7.7 10.3 15.5#

68 3.7 4.5 6.7#

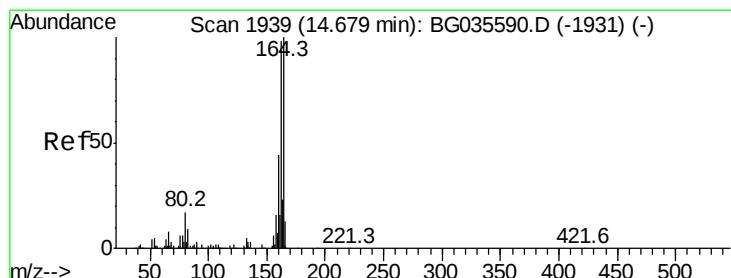
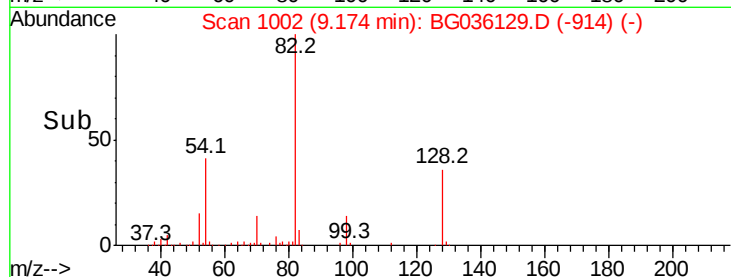
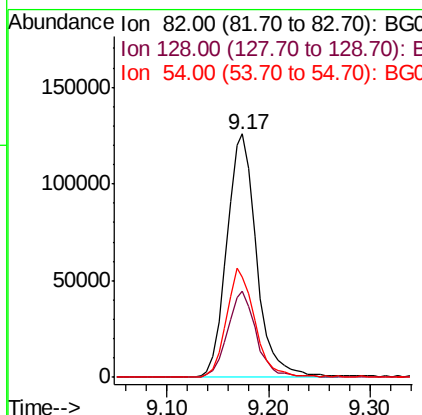
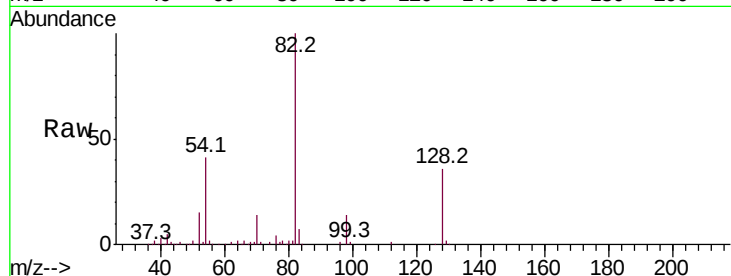




#23  
 Nitrobenzene-d5  
 Concen: 101.808 ng  
 RT: 9.17 min Scan# 1002  
 Delta R.T. -0.01 min  
 Lab File: BG036129.D  
 Acq: 6 Aug 2018 16:09

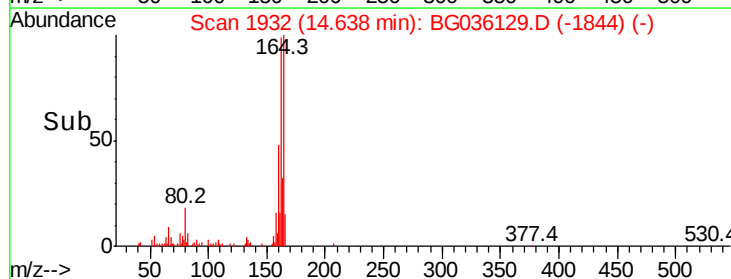
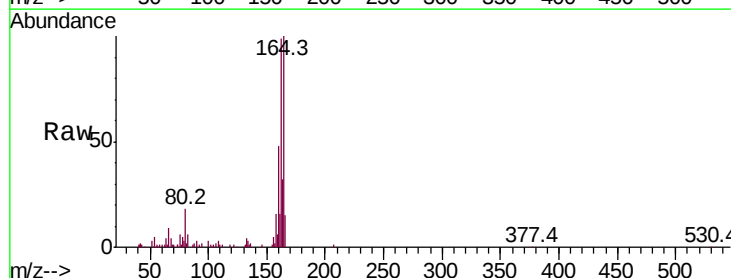
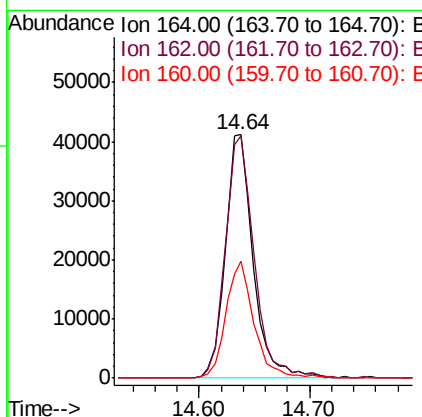
Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-5

Tot Ion: 82 Resp: 256213  
 Ion Ratio Lower Upper  
 82 100  
 128 35.6 29.7 44.5  
 54 41.1 43.1 64.7#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.64 min Scan# 1932  
 Delta R.T. -0.01 min  
 Lab File: BG036129.D  
 Acq: 6 Aug 2018 16:09

Tgt Ion:164 Resp: 72739  
 Ion Ratio Lower Upper  
 164 100  
 162 99.5 78.8 118.2  
 160 48.2 35.4 53.0

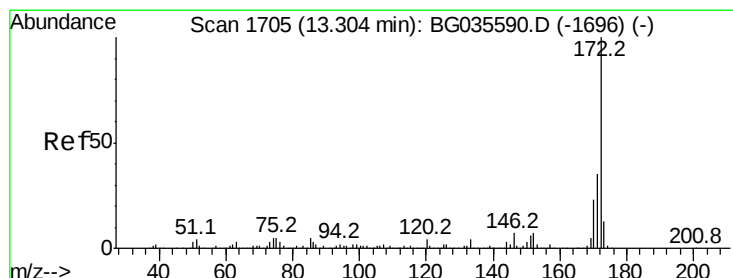
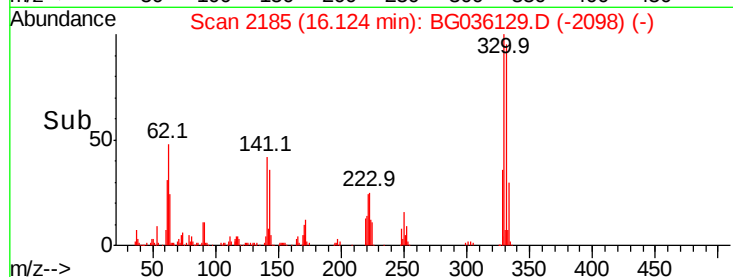
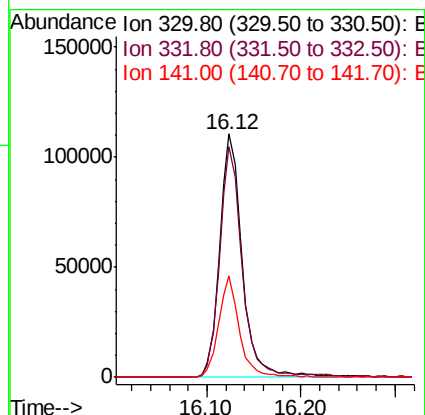
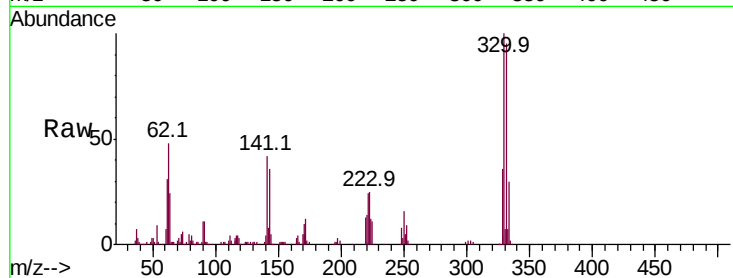




#41  
 2,4,6-Tribromophenol  
 Concen: 193.688 ng  
 RT: 16.12 min Scan# 2185  
 Delta R.T. -0.02 min  
 Lab File: BG036129.D  
 Acq: 6 Aug 2018 16:09

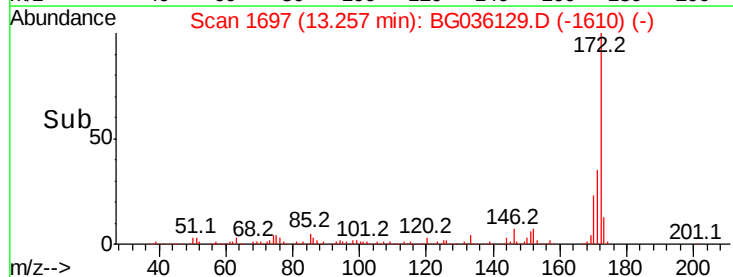
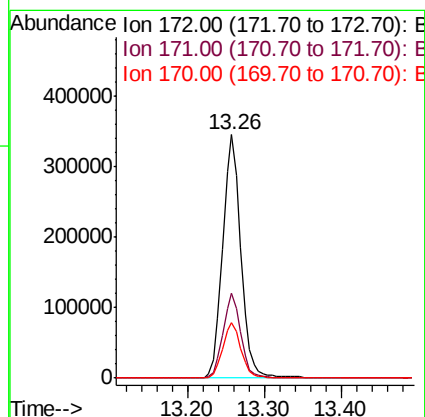
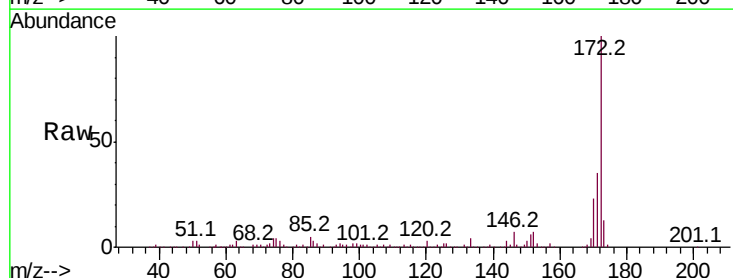
Instrument :  
 BNA\_G  
 ClientSampled :  
 C-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 77.0  | 115.6 |
| 141     | 38.5  | 25.2  | 37.8# |



#44  
 2-Fluorobiphenyl  
 Concen: 104.215 ng  
 RT: 13.26 min Scan# 1697  
 Delta R.T. -0.02 min  
 Lab File: BG036129.D  
 Acq: 6 Aug 2018 16:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 30.0  | 45.0  |
| 170     | 22.7  | 19.5  | 29.3  |

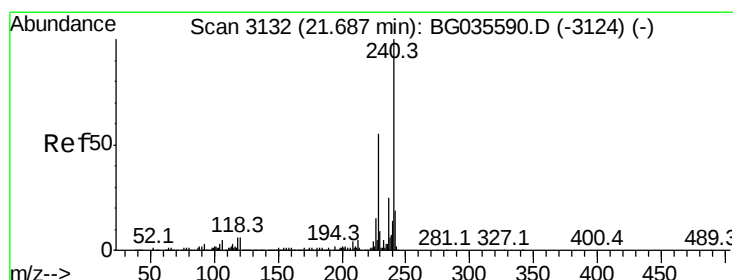
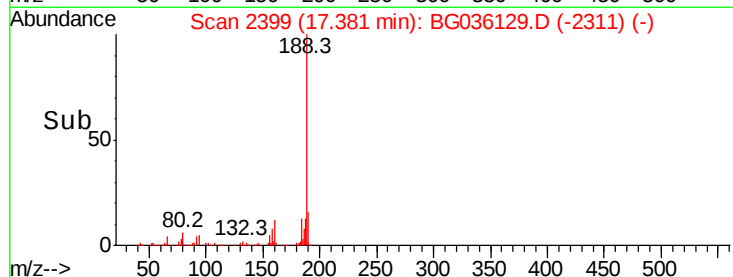
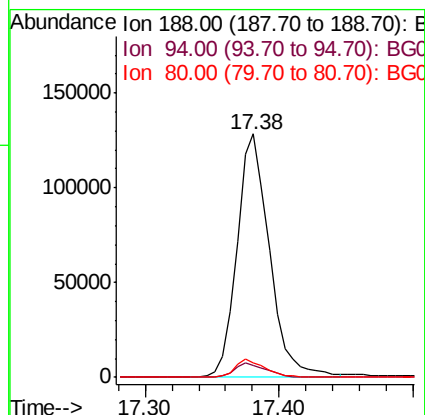
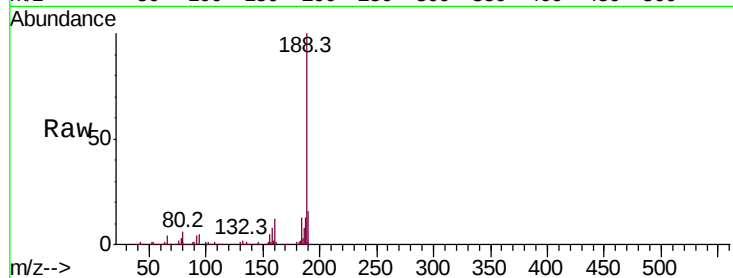




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.38 min Scan# 2399  
Delta R.T. -0.01 min  
Lab File: BG036129.D  
Acq: 6 Aug 2018 16:09

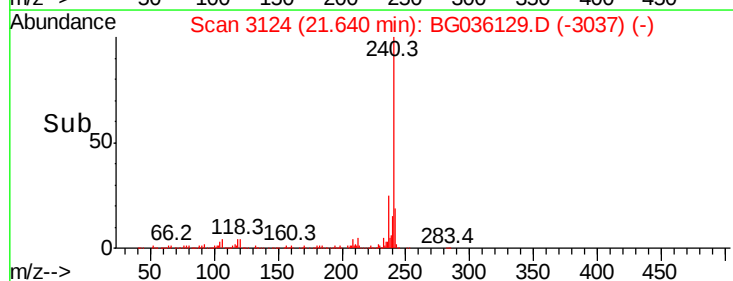
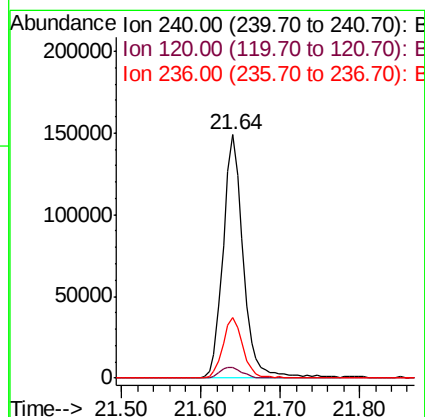
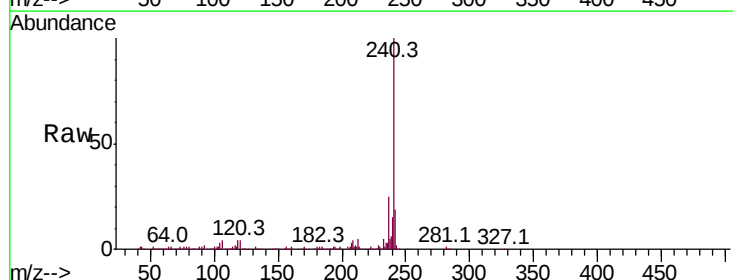
Instrument :  
BNA\_G  
ClientSampleId :  
C-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.1   | 6.9   | 10.3# |
| 80      | 6.1   | 7.7   | 11.5# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.64 min Scan# 3124  
Delta R.T. -0.02 min  
Lab File: BG036129.D  
Acq: 6 Aug 2018 16:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 4.2   | 6.8   | 10.2# |
| 236     | 25.0  | 20.9  | 31.3  |





#78

Terphenyl-d14

Concen: 102.564 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036129.D

Acq: 6 Aug 2018 16:09

Instrument :

BNA\_G

ClientSampled :

C-5

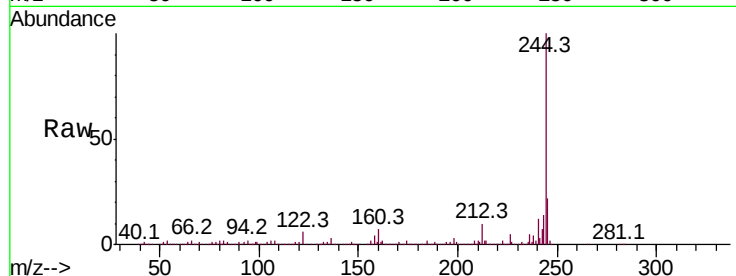
Tot Ion:244 Resp: 1223437

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

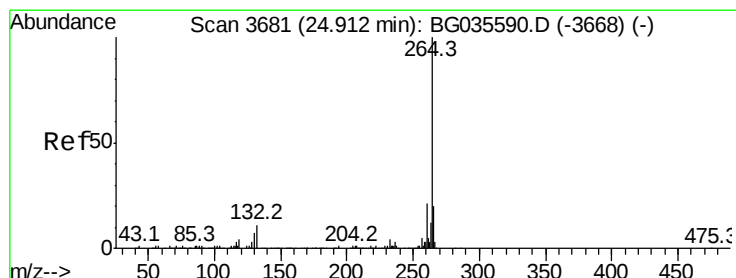
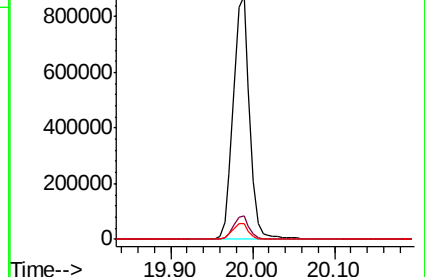
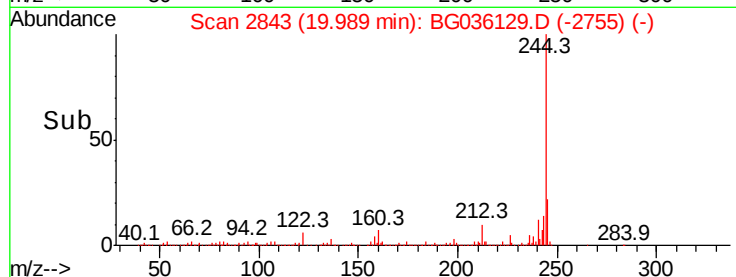
122 6.4 7.0 10.4#



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# 3667

Delta R.T. -0.03 min

Lab File: BG036129.D

Acq: 6 Aug 2018 16:09

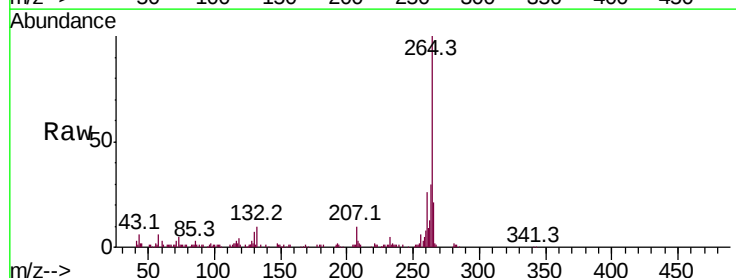
Tgt Ion:264 Resp: 134692

Ion Ratio Lower Upper

264 100

260 25.8 17.4 26.0

265 20.6 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

