

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080318\  
 Data File : BG036117.D  
 Acq On : 4 Aug 2018 6:41  
 Operator : JU/SJ  
 Sample : J4313-06  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-7

Quant Time: Aug 06 01:28:20 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   | 8.03  | 152  | 29535    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 98297    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.66 | 164  | 69555    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.40 | 188  | 196962   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.67 | 240  | 224305   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12            | 24.88 | 264  | 197239   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 247054   | 138.88 | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 296477   | 111.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 255814   | 108.72 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.14 | 330  | 148215   | 161.67 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.27 | 172  | 591362   | 113.91 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.00 | 244  | 1191337  | 117.08 | ng    | 0.00     |

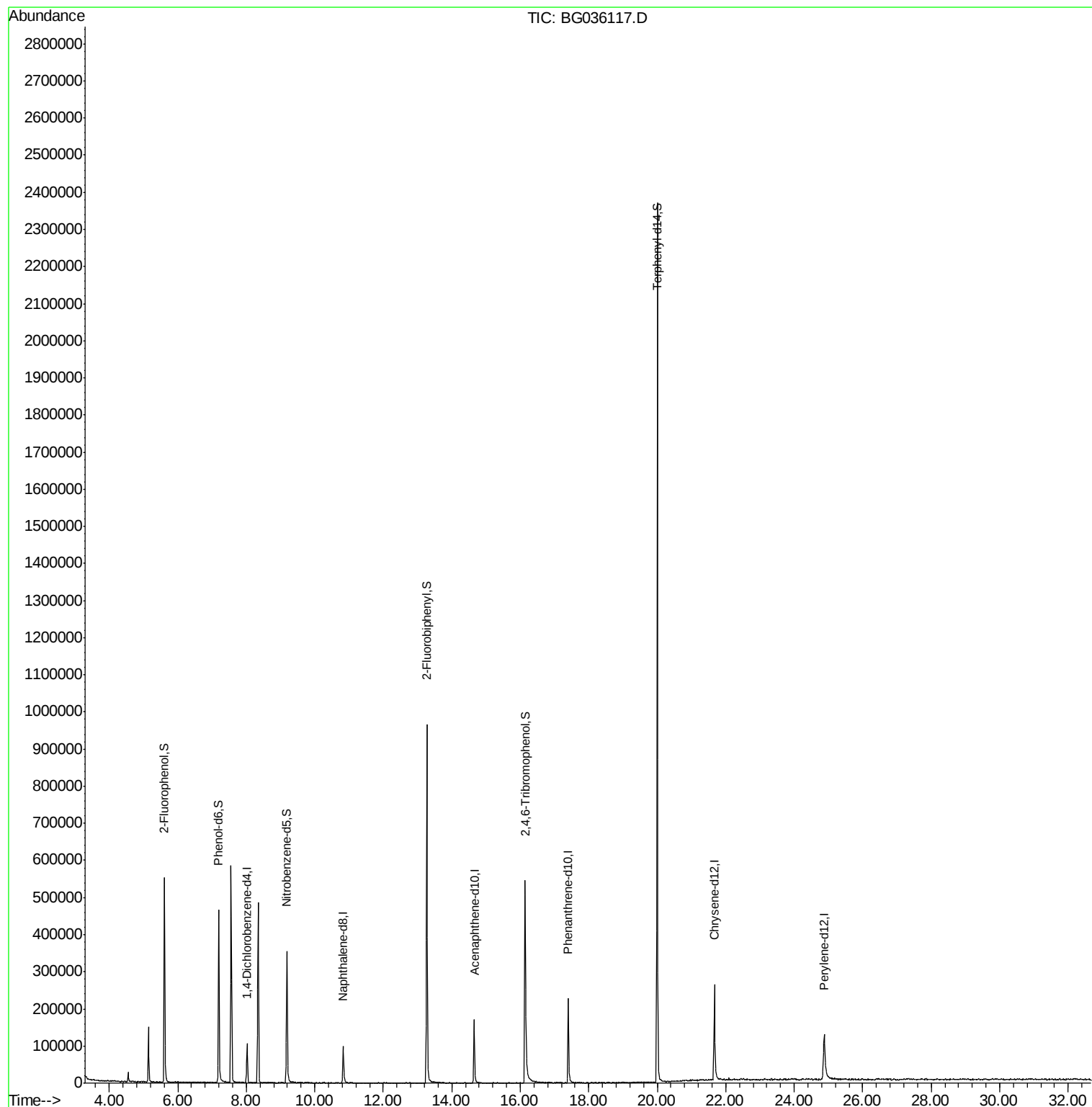
Target Compounds Qvalue

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080318\  
Data File : BG036117.D  
Acq On : 4 Aug 2018 6:41  
Operator : JU/SJ  
Sample : J4313-06  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C-7

Quant Time: Aug 06 01:28:20 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



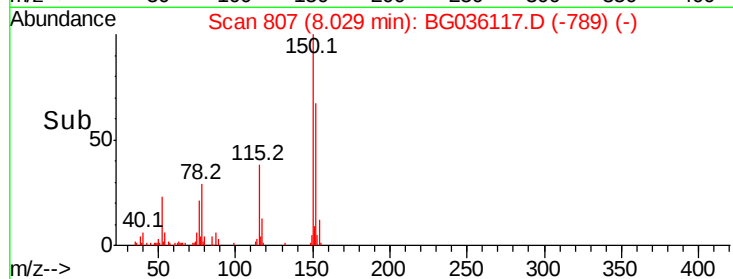
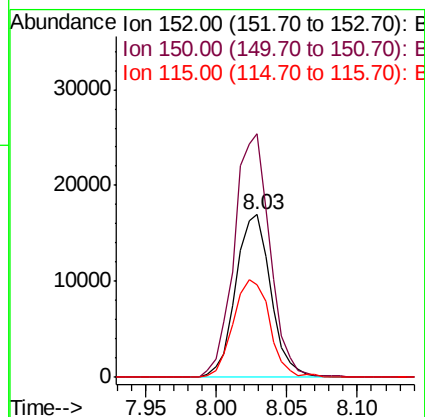
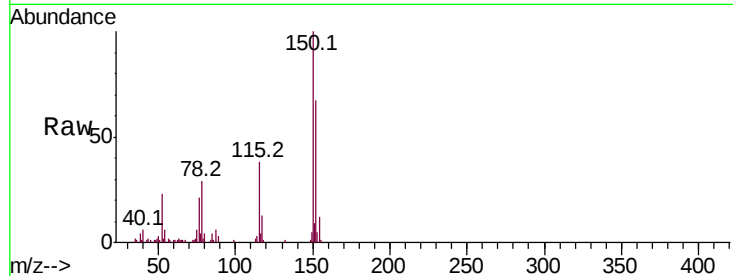


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: BG036117.D  
Acq: 4 Aug 2018 6:41

Instrument :  
BNA\_G  
ClientSampleId :  
C-7

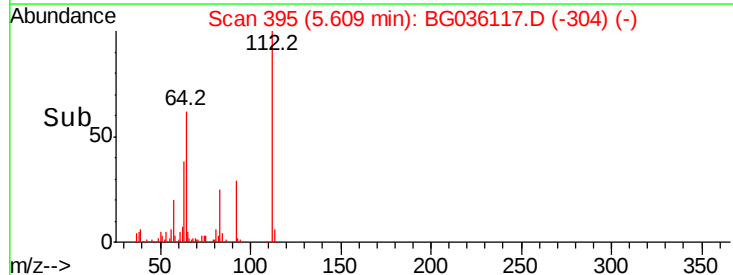
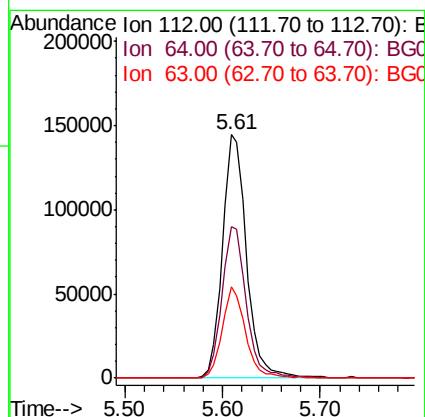
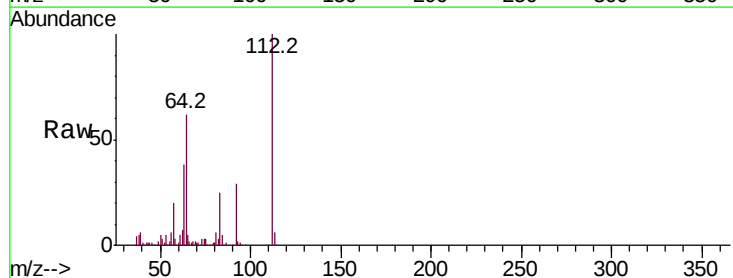
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.5 | 126.6 | 189.8 |
| 115     | 56.5  | 53.0  | 79.4  |

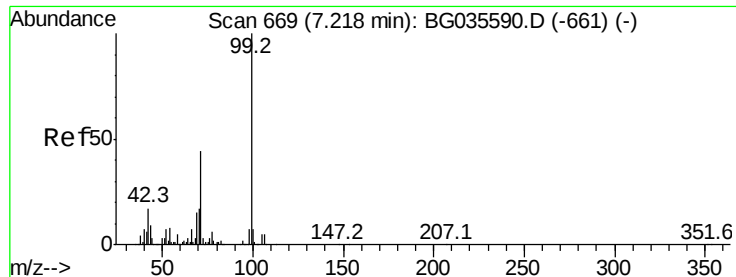


#5

2-Fluorophenol  
Concen: 138.875 ng  
RT: 5.61 min Scan# 395  
Delta R.T. 0.00 min  
Lab File: BG036117.D  
Acq: 4 Aug 2018 6:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.4  | 56.3  | 84.5  |
| 63      | 37.7  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 111.701 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG036117.D

Acq: 4 Aug 2018 6:41

Instrument :

BNA\_G

ClientSampleId :

C-7

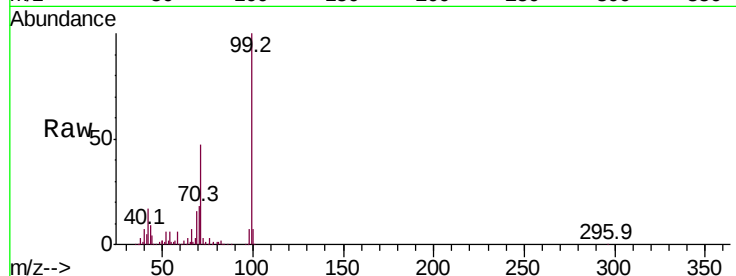
Tot Ion: 99 Resp: 296477

Ion Ratio Lower Upper

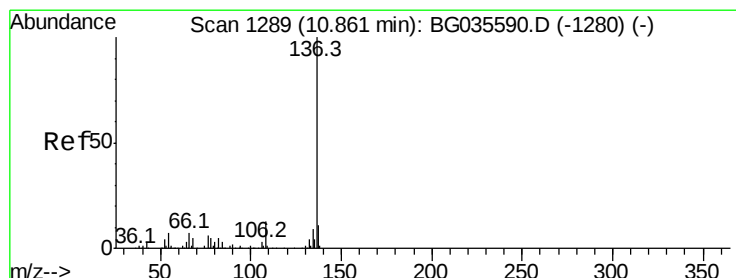
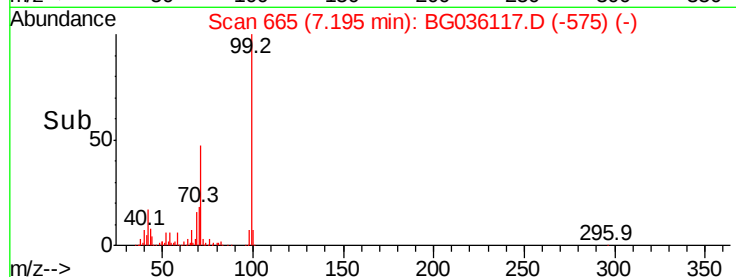
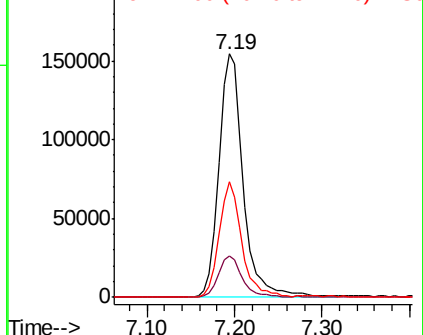
99 100

42 16.8 14.1 21.1

71 47.3 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: 10.83 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BG036117.D

Acq: 4 Aug 2018 6:41

Tgt Ion: 136 Resp: 98297

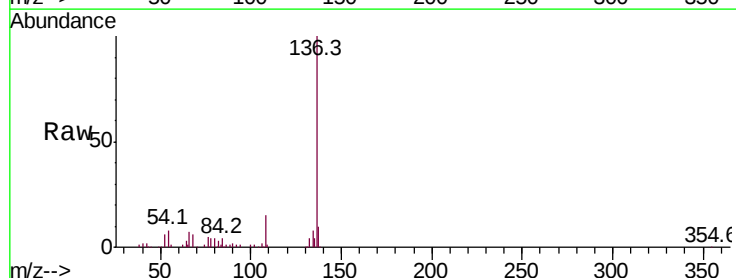
Ion Ratio Lower Upper

136 100

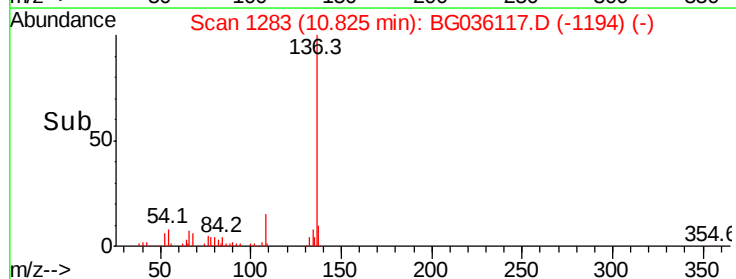
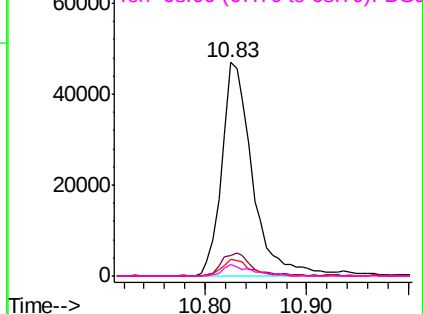
137 9.9 9.2 13.8

54 7.5 10.3 15.5#

68 5.5 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

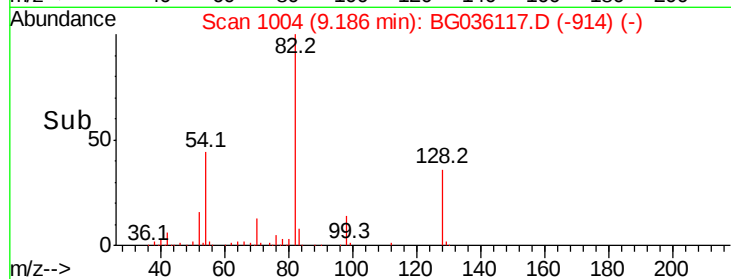
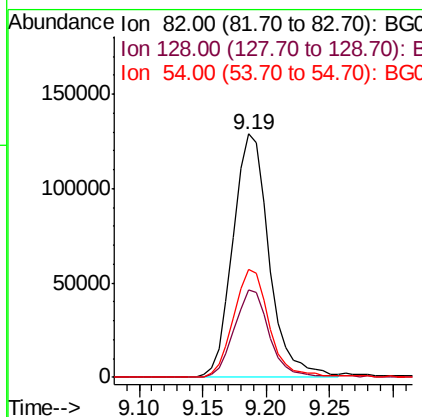
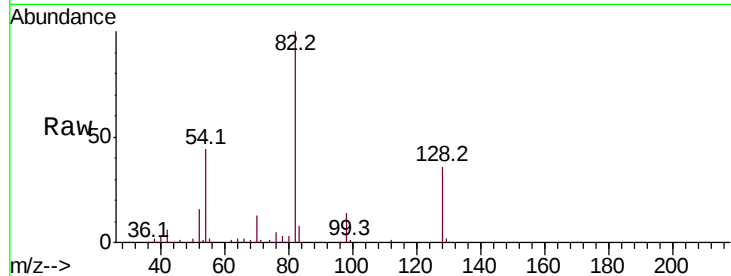




#23  
Nitrobenzene-d5  
Concen: 108.717 ng  
RT: 9.19 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: BG036117.D  
Acq: 4 Aug 2018 6:41

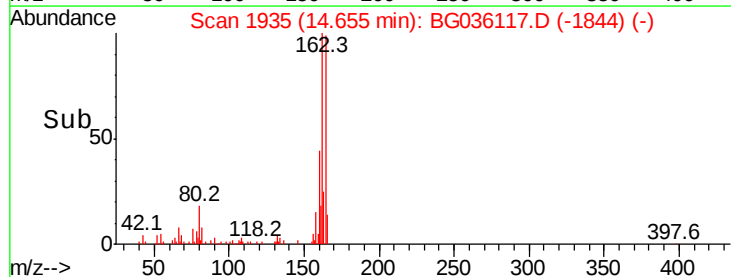
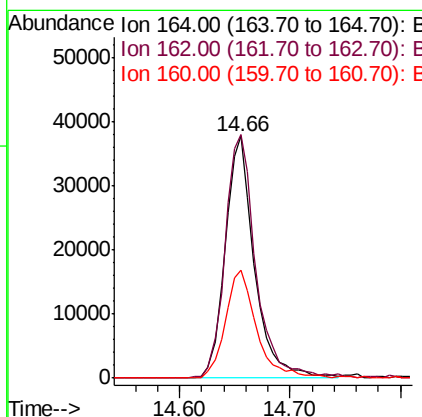
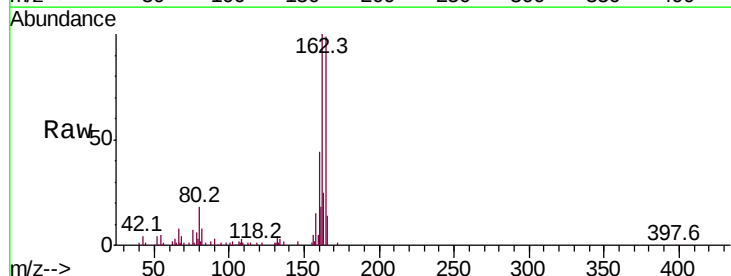
Instrument :  
BNA\_G  
ClientSampleId :  
C-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.1  | 29.7  | 44.5  |
| 54      | 44.3  | 43.1  | 64.7  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1935  
Delta R.T. 0.00 min  
Lab File: BG036117.D  
Acq: 4 Aug 2018 6:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.7 | 78.8  | 118.2 |
| 160     | 44.6  | 35.4  | 53.0  |

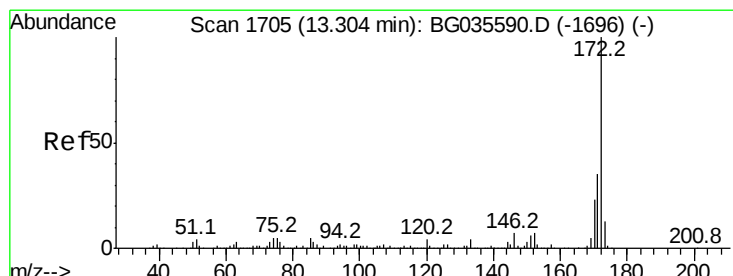
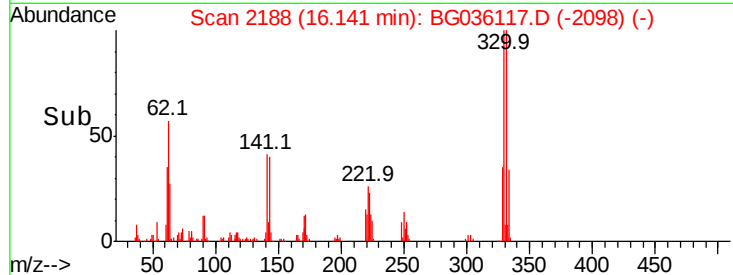
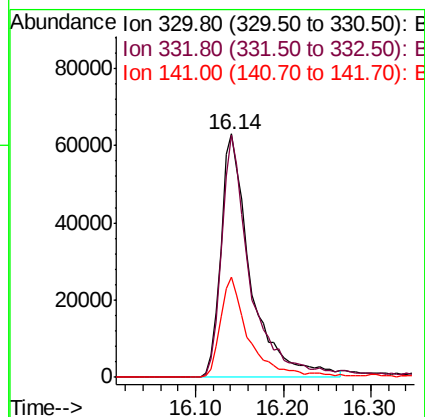
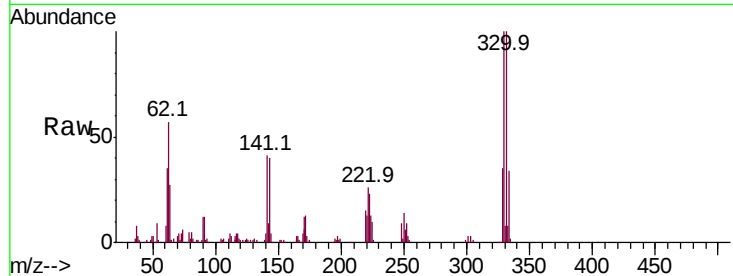




#41  
 2,4,6-Tribromophenol  
 Concen: 161.669 ng  
 RT: 16.14 min Scan# 2188  
 Delta R.T. -0.00 min  
 Lab File: BG036117.D  
 Acq: 4 Aug 2018 6:41

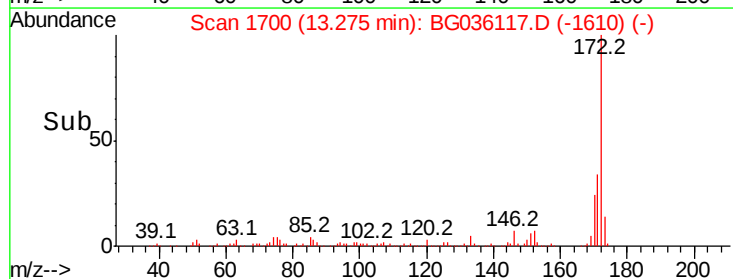
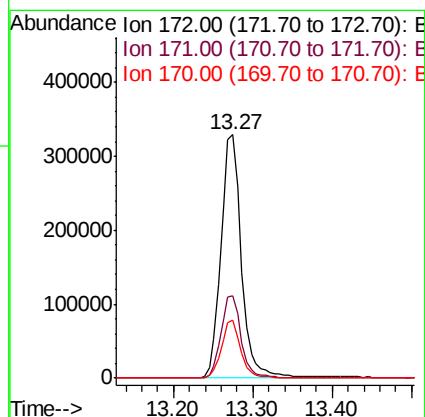
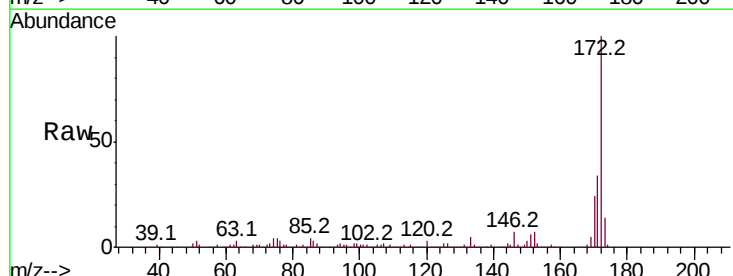
Instrument :  
 BNA\_G  
 ClientSampled :  
 C-7

Tot Ion:330 Resp: 148215  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 77.0 115.6  
 141 38.4 25.2 37.8#



#44  
 2-Fluorobiphenyl  
 Concen: 113.906 ng  
 RT: 13.27 min Scan# 1700  
 Delta R.T. -0.00 min  
 Lab File: BG036117.D  
 Acq: 4 Aug 2018 6:41

Tgt Ion:172 Resp: 591362  
 Ion Ratio Lower Upper  
 172 100  
 171 33.8 30.0 45.0  
 170 23.8 19.5 29.3

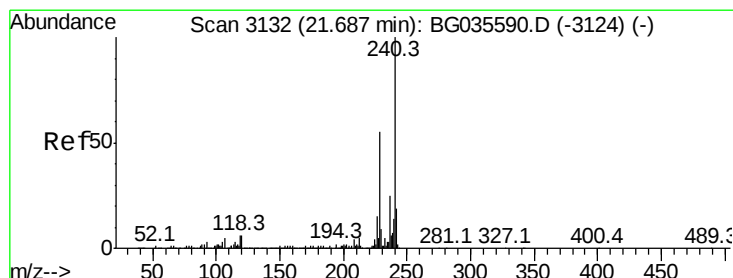
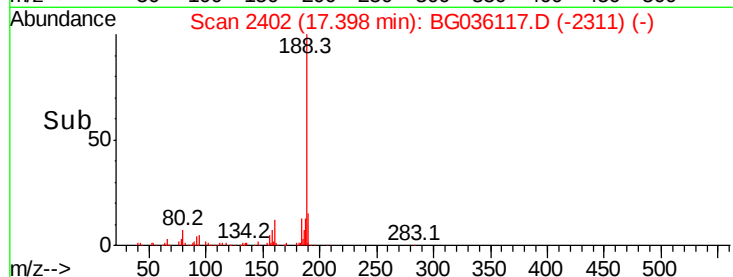
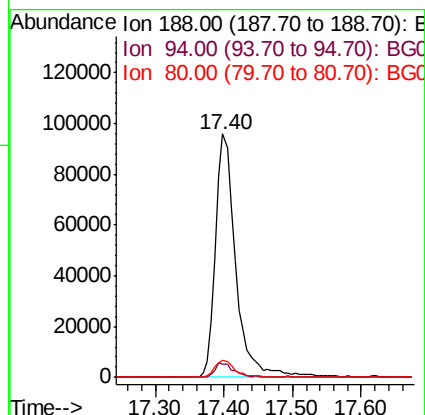
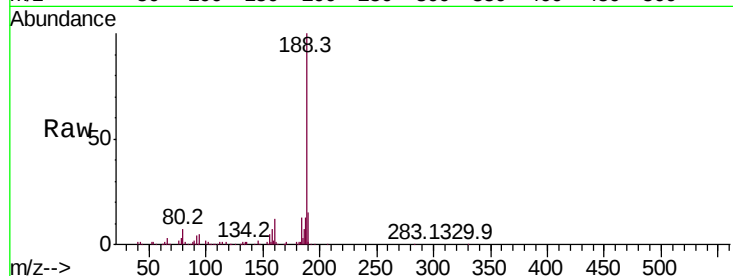




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2402  
Delta R.T. 0.00 min  
Lab File: BG036117.D  
Acq: 4 Aug 2018 6:41

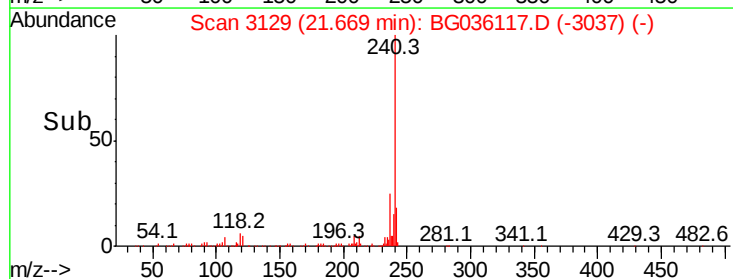
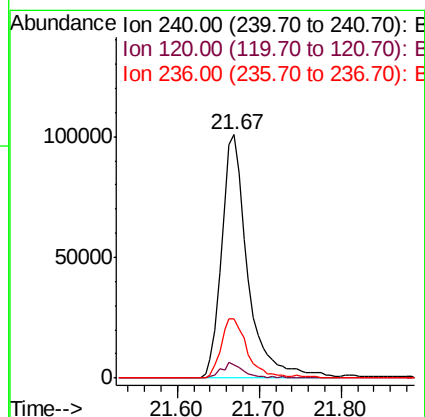
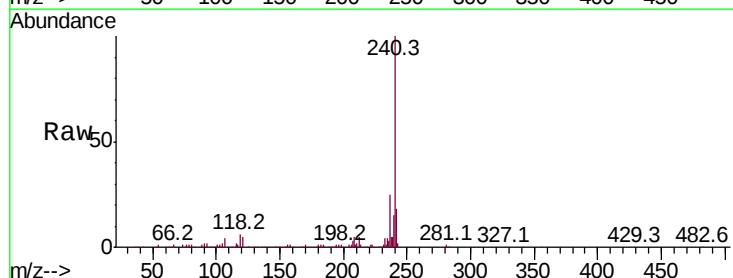
Instrument :  
BNA\_G  
ClientSampleId :  
C-7

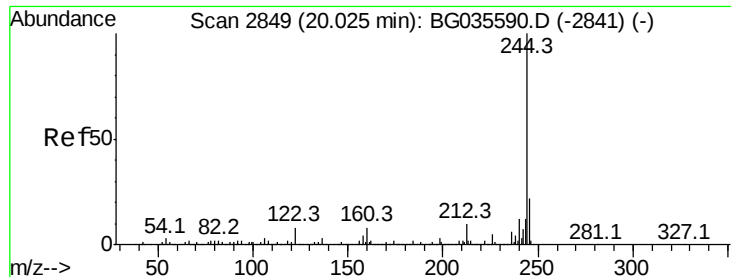
Tot Ion:188 Resp: 196962  
Ion Ratio Lower Upper  
188 100  
94 5.5 6.9 10.3#  
80 7.1 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.67 min Scan# 3129  
Delta R.T. 0.01 min  
Lab File: BG036117.D  
Acq: 4 Aug 2018 6:41

Tgt Ion:240 Resp: 224305  
Ion Ratio Lower Upper  
240 100  
120 5.3 6.8 10.2#  
236 24.6 20.9 31.3



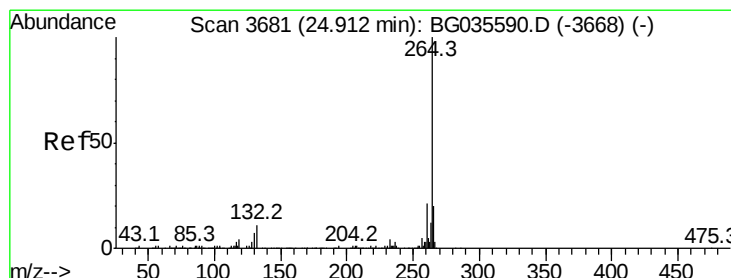
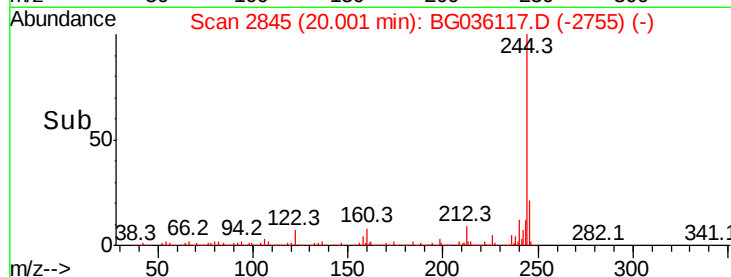
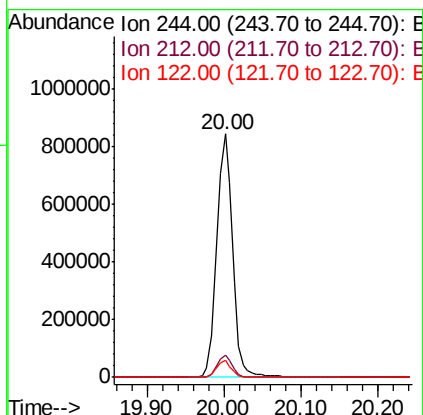
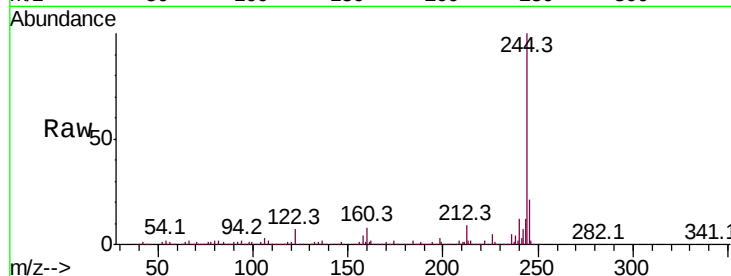


#78  
 Terphenyl-d14  
 Concen: 117.076 ng  
 RT: 20.00 min Scan# 2845  
 Delta R.T. -0.00 min  
 Lab File: BG036117.D  
 Acq: 4 Aug 2018 6:41

Instrument :  
 BNA\_G  
 ClientSampled :  
 C-7

Tot Ion:244 Resp: 1191337  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.1   | 5.8   | 8.8#  |
| 122 | 6.8   | 7.0   | 10.4# |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.88 min Scan# 3675  
 Delta R.T. 0.02 min  
 Lab File: BG036117.D  
 Acq: 4 Aug 2018 6:41

Tgt Ion:264 Resp: 197239  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.1  | 17.4  | 26.0  |
| 265 | 21.3  | 17.7  | 26.5  |

