

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100418\  
 Data File : BG037142.D  
 Acq On : 4 Oct 2018 2:20  
 Operator : JU/SJ  
 Sample : J5211-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-1018-S-TCLP-GRID41-2

Quant Time: Oct 04 04:30:21 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 59052    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 239011   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.66 | 164  | 137929   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.41 | 188  | 320521   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.68 | 240  | 335883   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.88 | 264  | 318479   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 369770   | 120.09 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 443514   | 93.10  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 378792   | 84.87  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 166928   | 101.15 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.29 | 172  | 747065   | 80.67  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.02 | 244  | 1163773  | 91.11  | ng    | -0.01    |

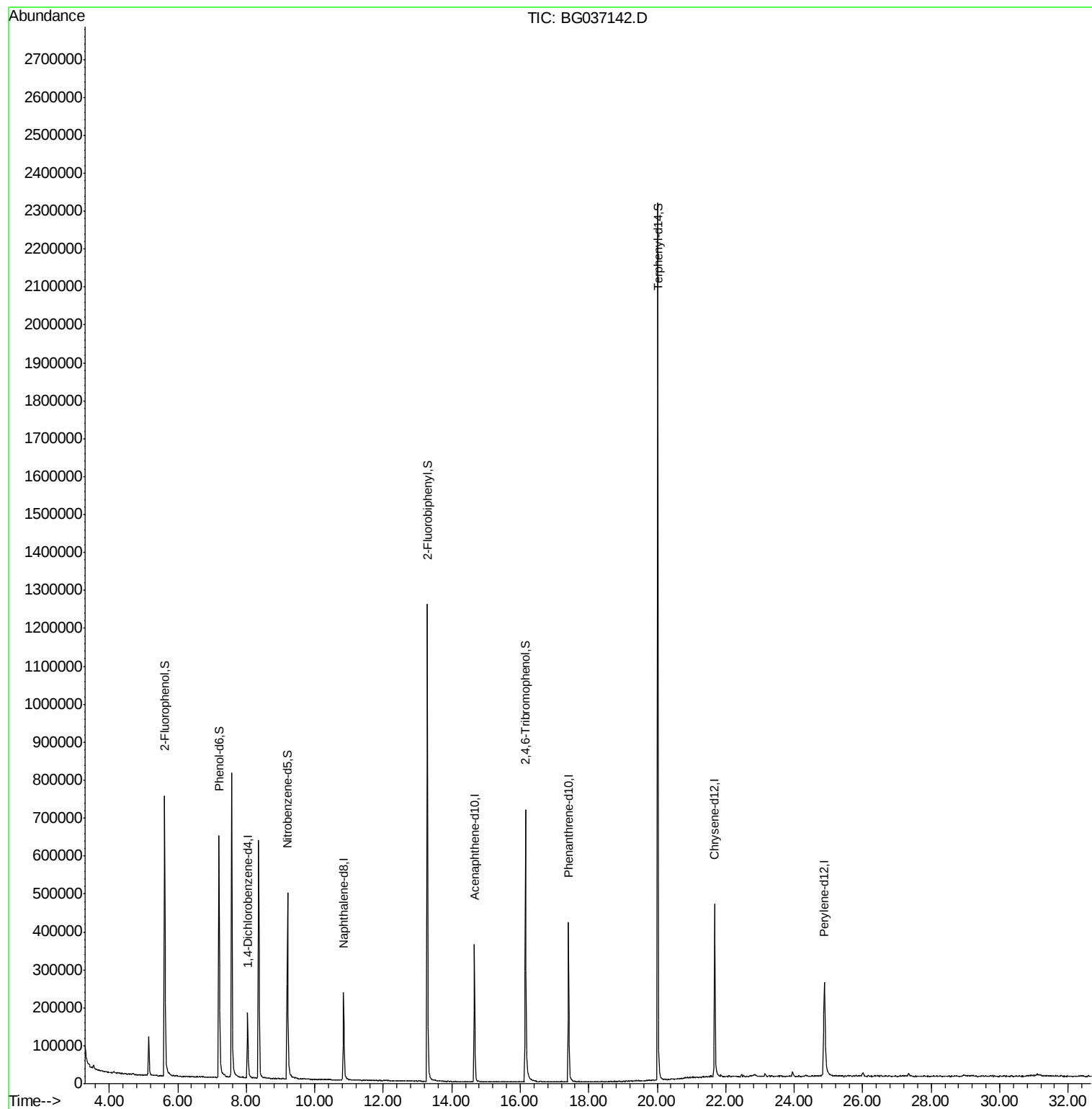
Target Compounds Qvalue

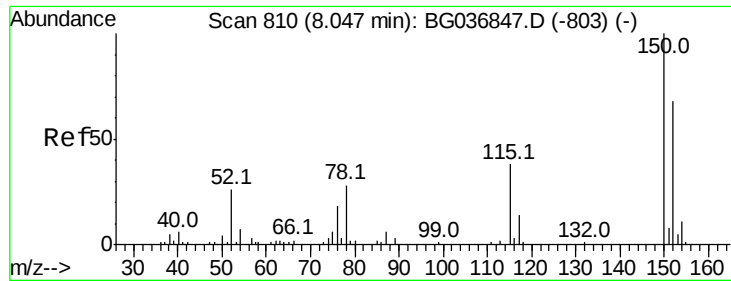
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100418\  
Data File : BG037142.D  
Acq On : 4 Oct 2018 2:20  
Operator : JU/SJ  
Sample : J5211-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB-1018-S-TCLP-GRID41-2

Quant Time: Oct 04 04:30:21 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 24 10:41:23 2018  
Response via : Initial Calibration



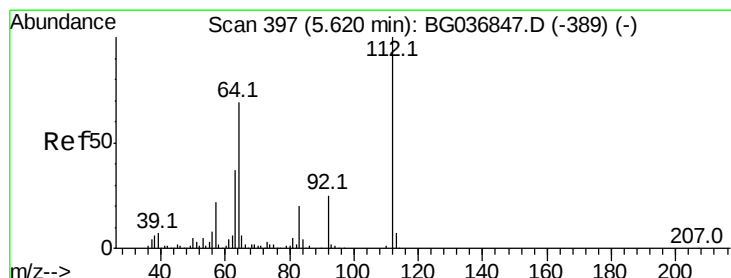
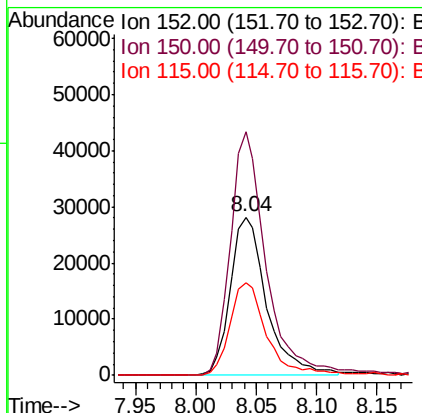
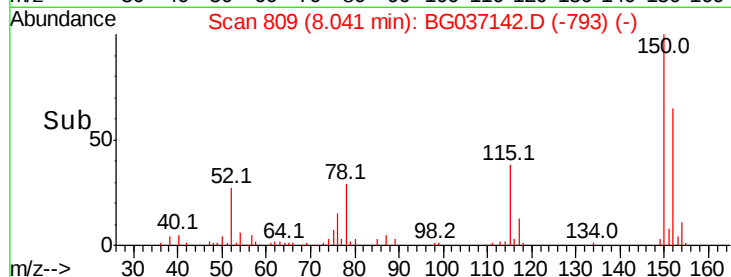
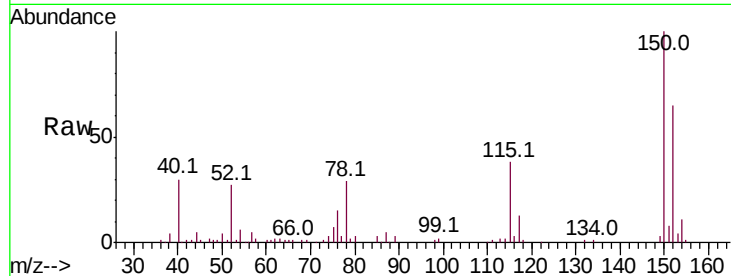


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BG037142.D  
Acq: 4 Oct 2018 2:20

Instrument :  
BNA\_G  
ClientSampleId :  
CB-1018-S-TCLP-GRID41-2

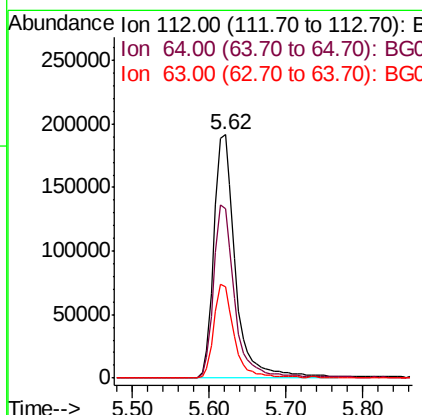
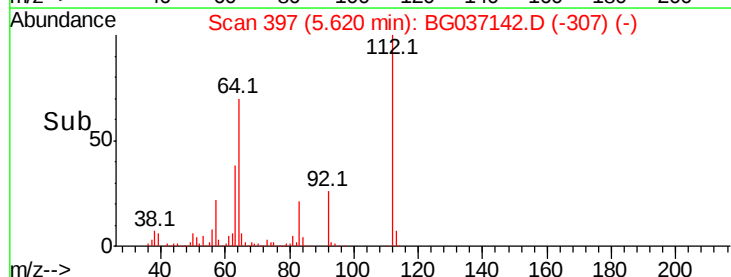
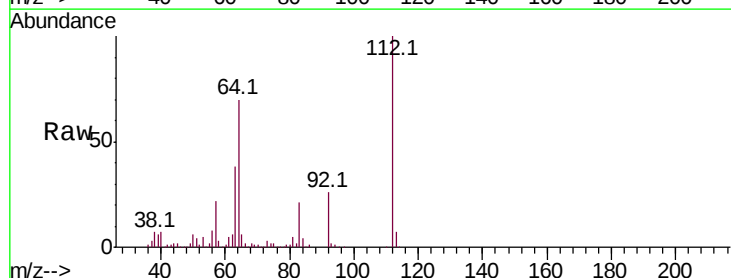
Tot Ion:152 Resp: 59052  
Ion Ratio Lower Upper  
152 100  
150 153.7 119.5 179.3  
115 58.4 44.5 66.7



#5

2-Fluorophenol  
Concen: 120.087 ng  
RT: 5.62 min Scan# 397  
Delta R.T. 0.00 min  
Lab File: BG037142.D  
Acq: 4 Oct 2018 2:20

Tgt Ion:112 Resp: 369770  
Ion Ratio Lower Upper  
112 100  
64 69.8 57.2 85.8  
63 37.6 30.8 46.2





#7

Phenol-d6

Concen: 93.097 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037142.D

Acq: 4 Oct 2018 2:20

Instrument :

BNA\_G

ClientSampleId :

CB-1018-S-TCLP-GRID41-2

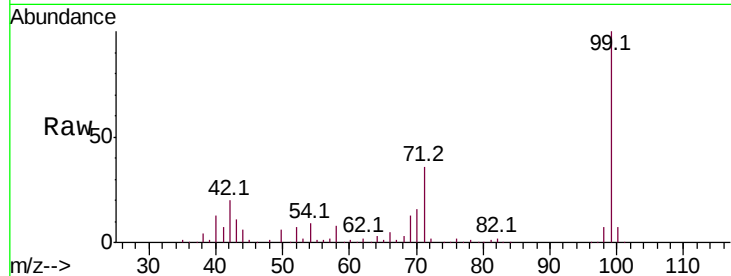
Tot Ion: 99 Resp: 443514

Ion Ratio Lower Upper

99 100

42 19.6 16.5 24.7

71 36.4 29.4 44.2

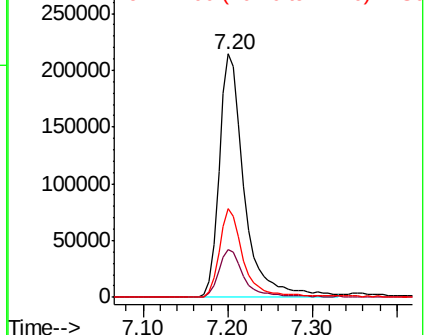
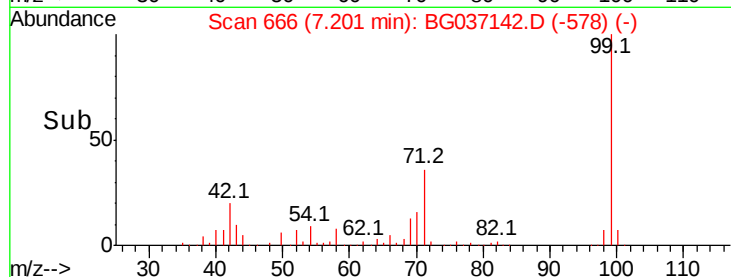


Abundance

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: 10.84 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037142.D

Acq: 4 Oct 2018 2:20

Tgt Ion: 136 Resp: 239011

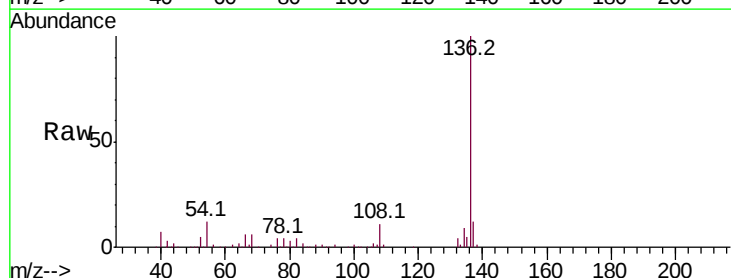
Ion Ratio Lower Upper

136 100

137 11.9 8.8 13.2

54 12.3 9.2 13.8

68 6.5 5.8 8.6



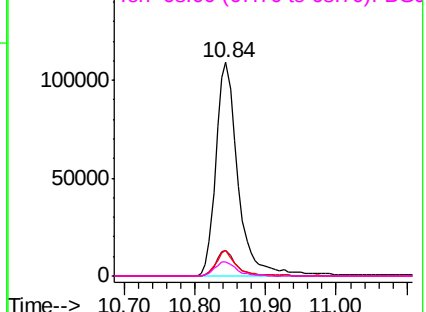
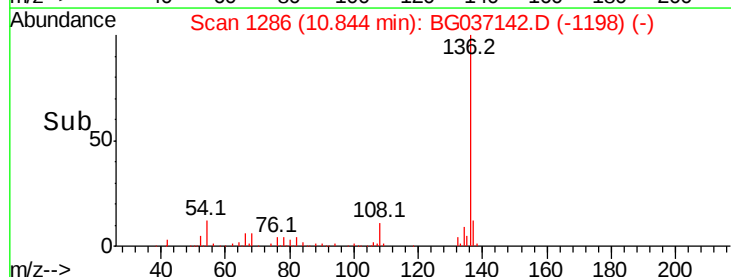
Abundance

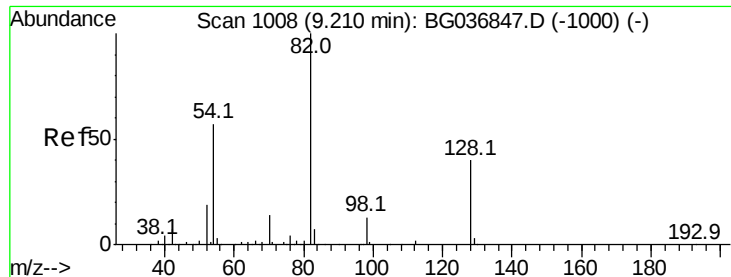
Ion 136.00 (135.70 to 136.70): BGC

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

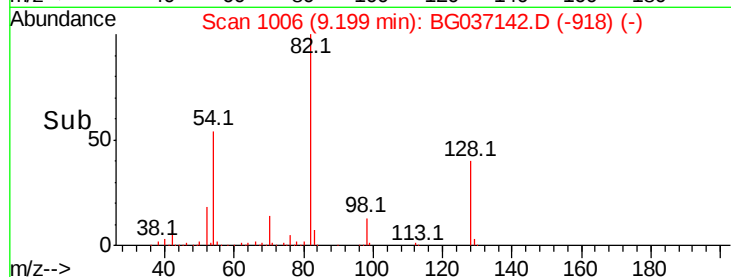
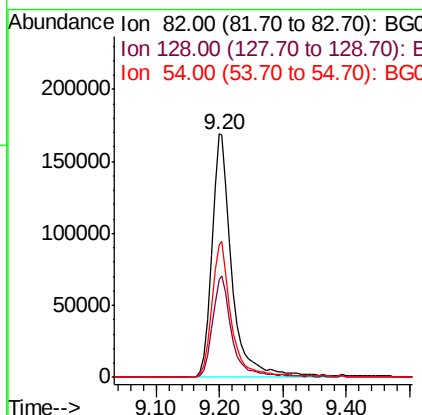
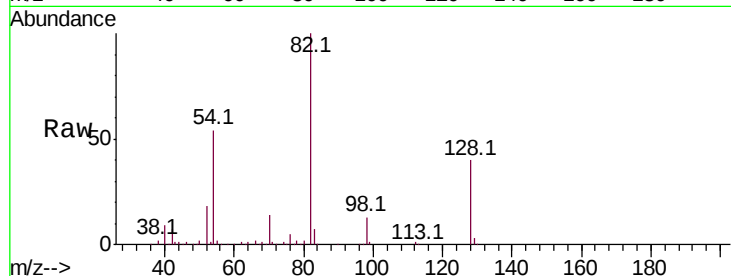




#23  
Nitrobenzene-d5  
Concen: 84.869 ng  
RT: 9.20 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BG037142.D  
Acq: 4 Oct 2018 2:20

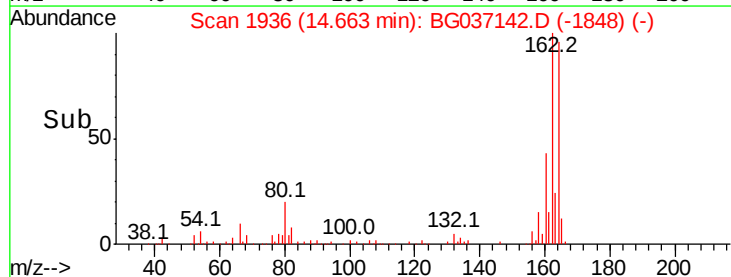
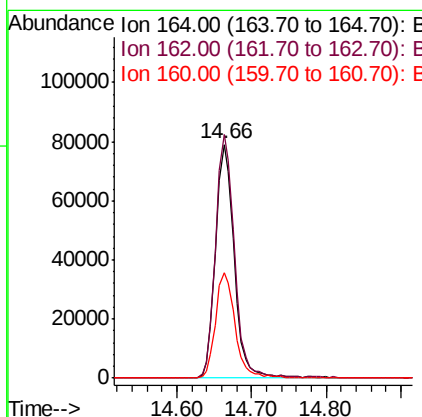
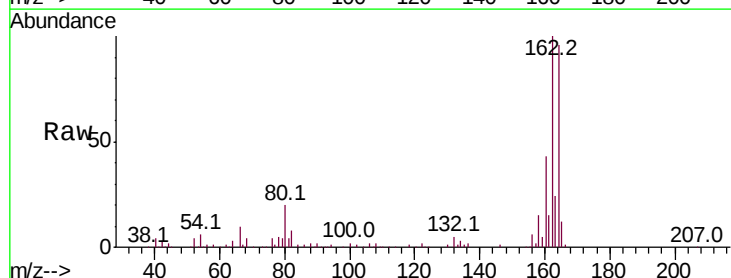
Instrument :  
BNA\_G  
ClientSampleId :  
CB-1018-S-TCLP-GRID41-2

| Tot Ion   | 82    | Resp  | 378792 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.9  | 33.3  | 49.9   |
| 54        | 54.2  | 45.1  | 67.7   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: BG037142.D  
Acq: 4 Oct 2018 2:20

| Tgt Ion   | 164   | Resp  | 137929 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.3 | 80.7  | 121.1  |
| 160       | 45.0  | 35.3  | 52.9   |

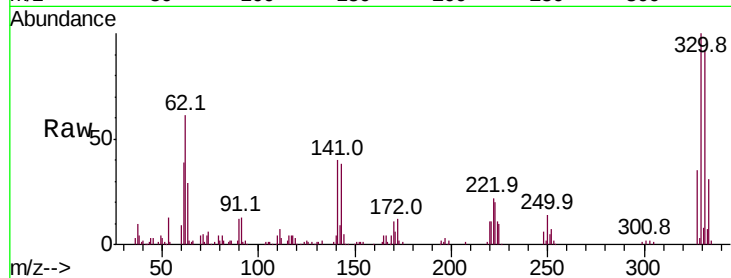




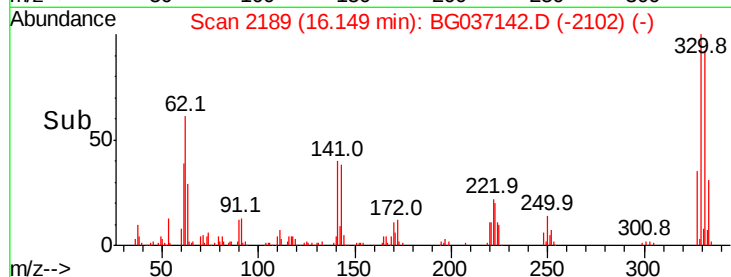
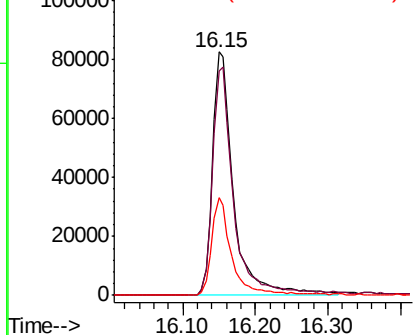
#41  
 2,4,6-Tribromophenol  
 Concen: 101.154 ng  
 RT: 16.15 min Scan# 2189  
 Delta R.T. -0.02 min  
 Lab File: BG037142.D  
 Acq: 4 Oct 2018 2:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-1018-S-TCLP-GRID41-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.9  | 75.4  | 113.2 |
| 141     | 38.0  | 30.7  | 46.1  |

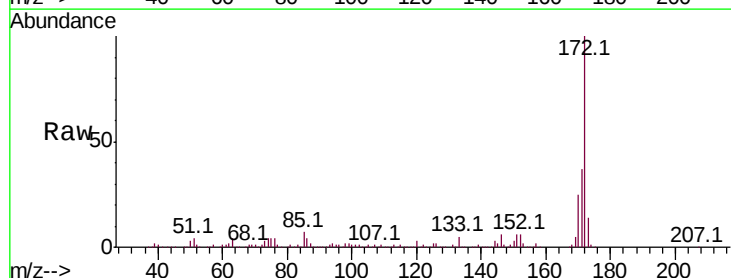


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

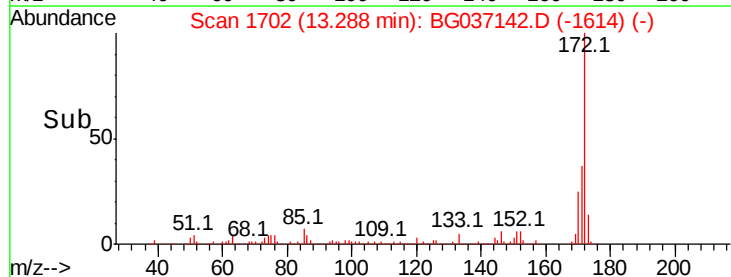
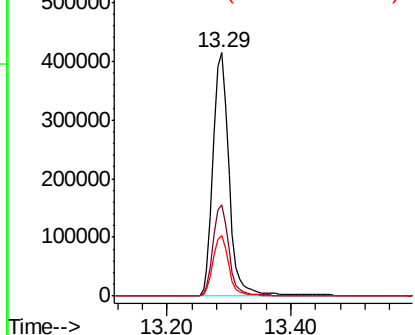


#44  
 2-Fluorobiphenyl  
 Concen: 80.670 ng  
 RT: 13.29 min Scan# 1702  
 Delta R.T. -0.01 min  
 Lab File: BG037142.D  
 Acq: 4 Oct 2018 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 31.3  | 46.9  |
| 170     | 25.0  | 21.0  | 31.6  |



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

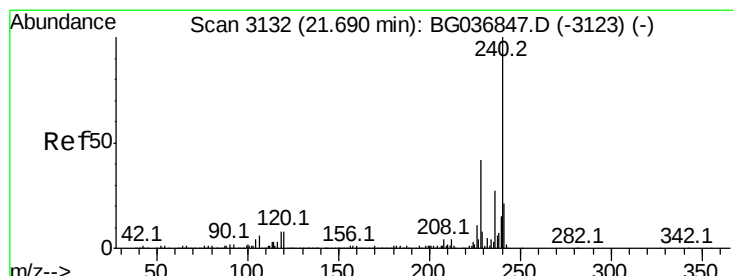
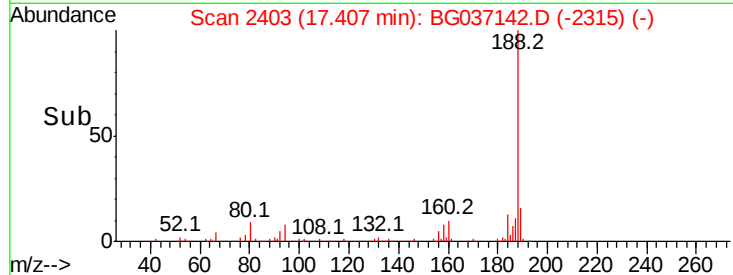
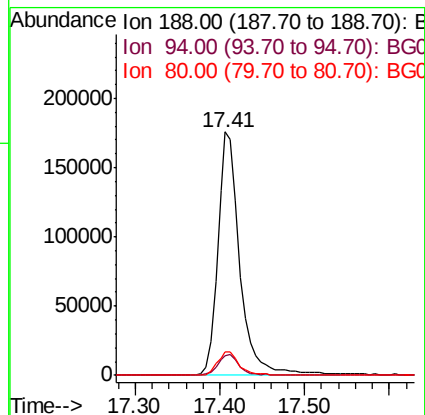
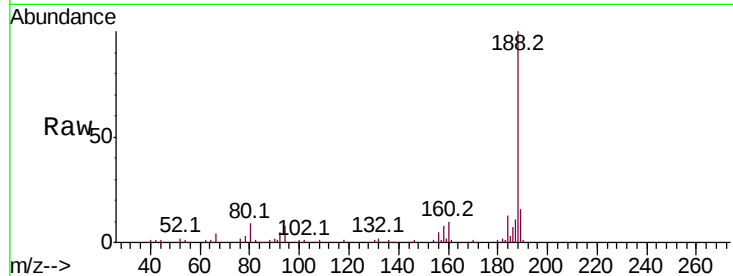




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2403  
Delta R.T. -0.01 min  
Lab File: BG037142.D  
Acq: 4 Oct 2018 2:20

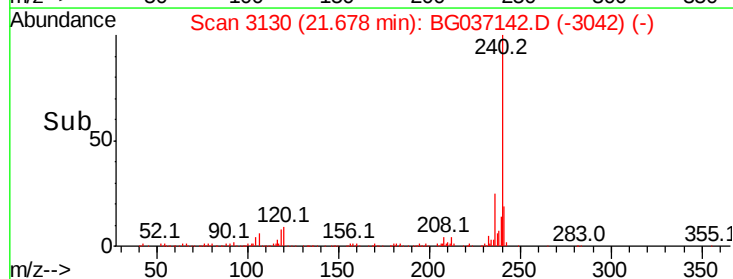
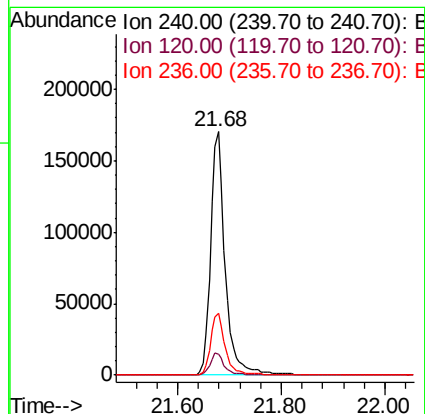
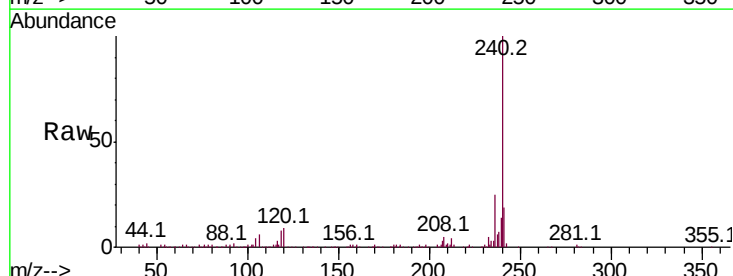
Instrument :  
BNA\_G  
ClientSampleId :  
CB-1018-S-TCLP-GRID41-2

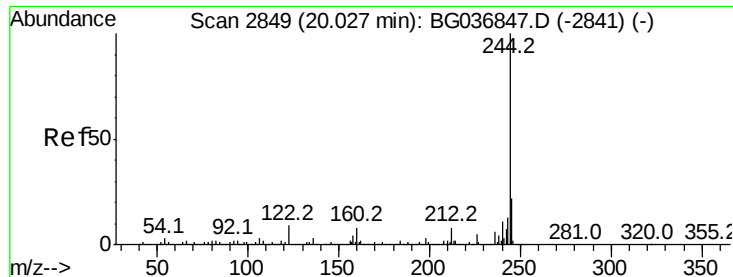
Tot Ion:188 Resp: 320521  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.7 10.1  
80 9.5 8.1 12.1



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3130  
Delta R.T. -0.01 min  
Lab File: BG037142.D  
Acq: 4 Oct 2018 2:20

Tgt Ion:240 Resp: 335883  
Ion Ratio Lower Upper  
240 100  
120 8.7 6.9 10.3  
236 25.4 21.2 31.8





#78

Terphenyl-d14

Concen: 91.107 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037142.D

Acq: 4 Oct 2018 2:20

Instrument :

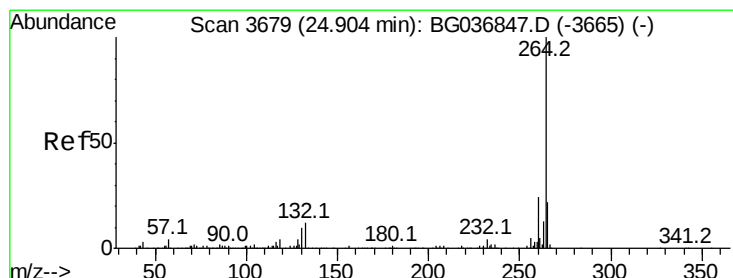
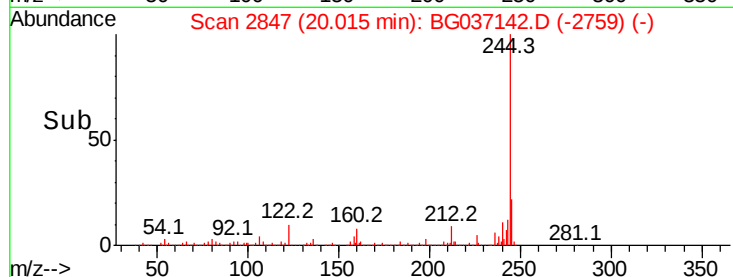
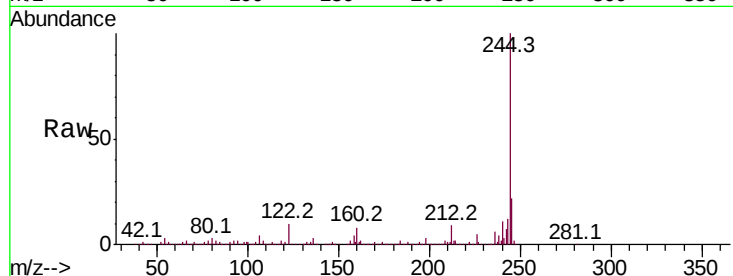
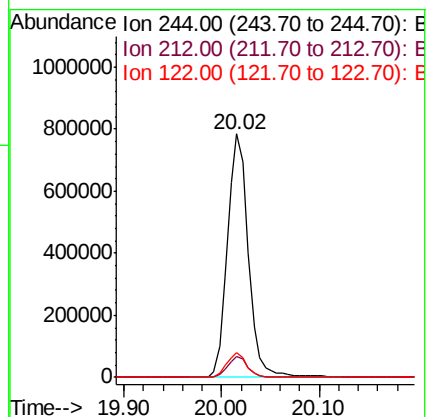
BNA\_G

ClientSampleId :

CB-1018-S-TCLP-GRID41-2

Tot Ion:244 Resp: 1163773

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.6   | 7.0   | 10.6  |
| 122 | 10.1  | 7.1   | 10.7  |



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG037142.D

Acq: 4 Oct 2018 2:20

Tgt Ion:264 Resp: 318479

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.7  | 19.6  | 29.4  |
| 265 | 22.9  | 17.4  | 26.0  |

