

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103018\  
 Data File : BG037648.D  
 Acq On : 30 Oct 2018 11:29  
 Operator : JU/SJ  
 Sample : J5696-09  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EB-2018.10.25-GW

Quant Time: Oct 30 12:47:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.10  | 152  | 60379    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.92 | 136  | 276193   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.73 | 164  | 190292   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.48 | 188  | 452284   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.76 | 240  | 412770   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.10 | 264  | 393053   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 174228   | 48.24  | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 154711   | 28.33  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 373086   | 75.67  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 228663   | 110.17 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 925093   | 73.31  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.08 | 244  | 1376678  | 71.27  | ng    | 0.00     |

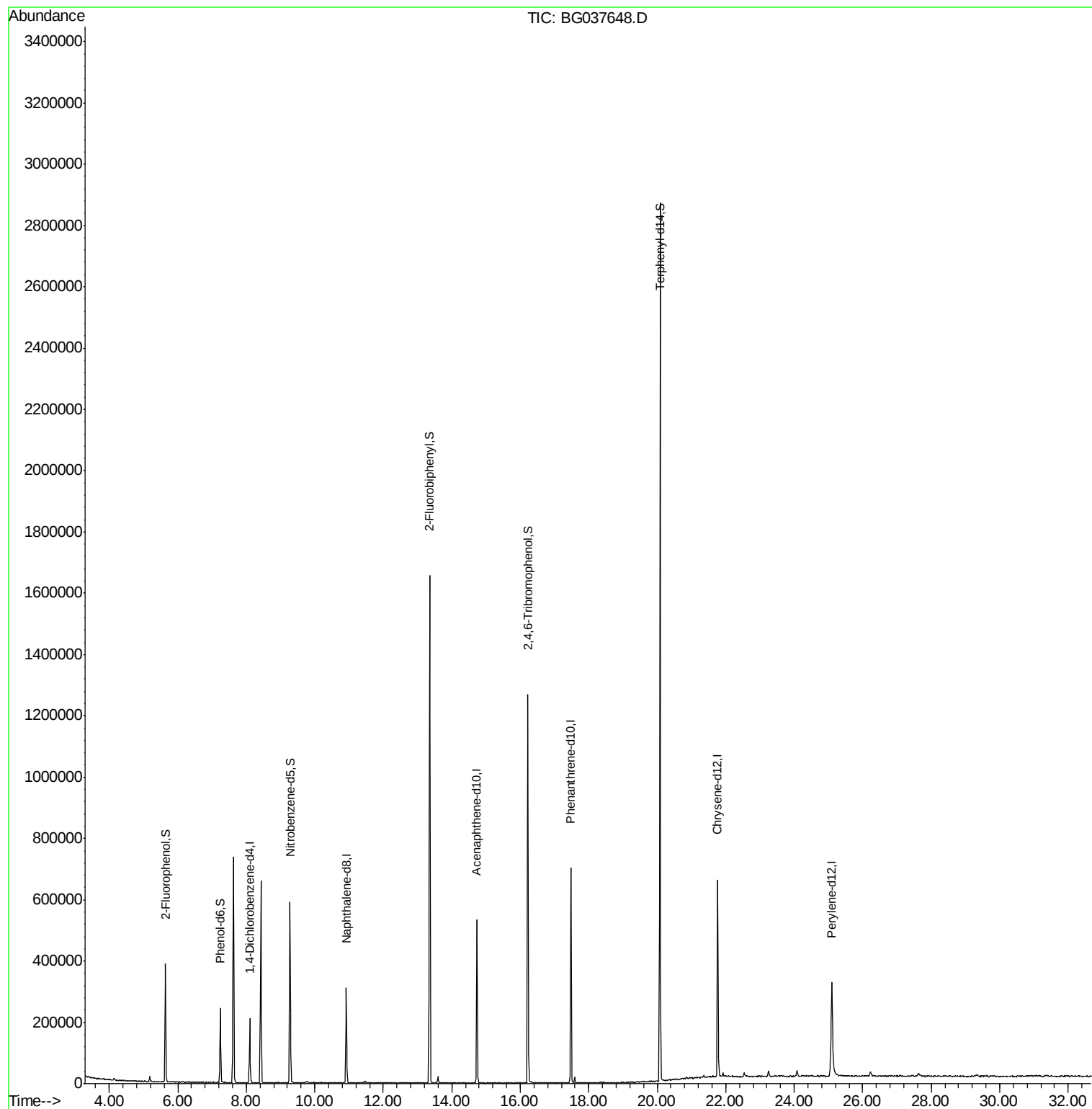
Target Compounds Qvalue

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG037648.D

Acq: 30 Oct 2018 11:29

Instrument :

BNA\_G

ClientSampleId :

EB-2018.10.25-GW

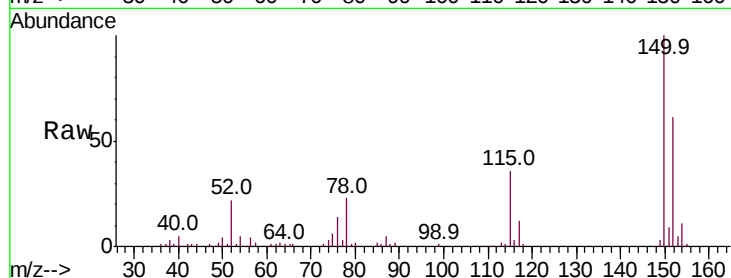
Tot Ion:152 Resp: 60379

Ion Ratio Lower Upper

152 100

150 163.5 126.0 189.0

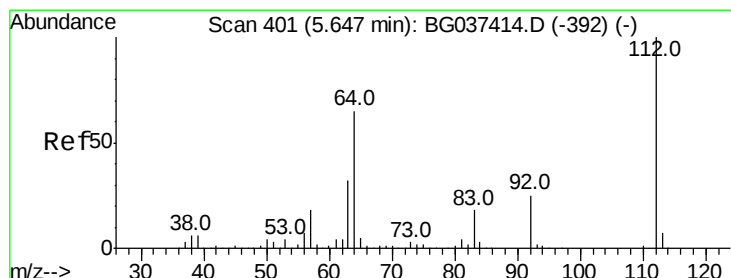
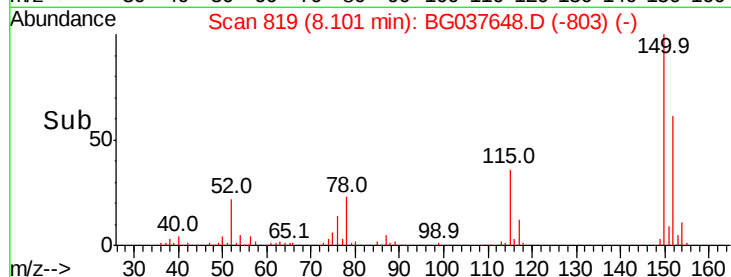
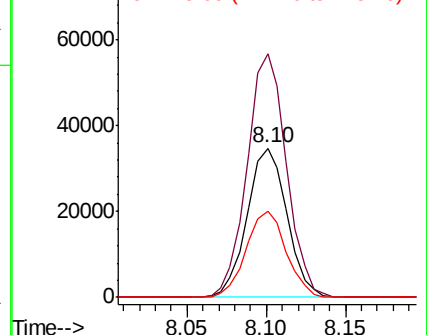
115 58.1 45.5 68.3



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: 48.243 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037648.D

Acq: 30 Oct 2018 11:29

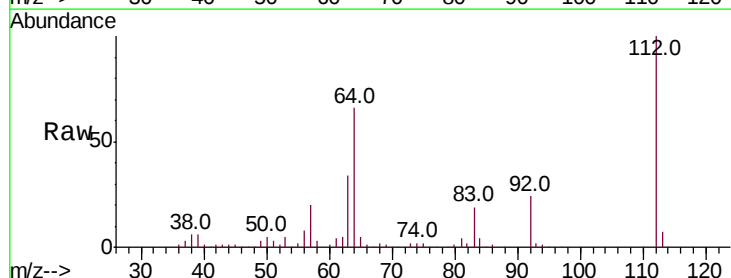
Tgt Ion:112 Resp: 174228

Ion Ratio Lower Upper

112 100

64 66.2 53.1 79.7

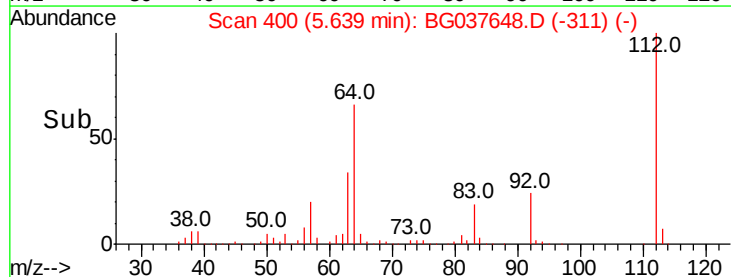
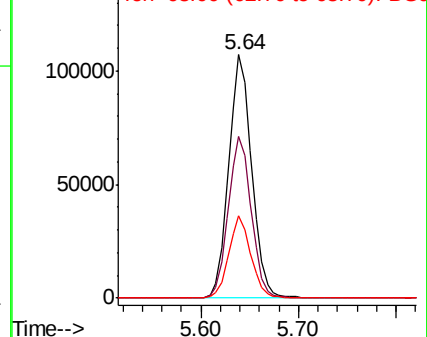
63 34.0 27.3 40.9



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: 28.330 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037648.D

Acq: 30 Oct 2018 11:29

Instrument :

BNA\_G

ClientSampleId :

EB-2018.10.25-GW

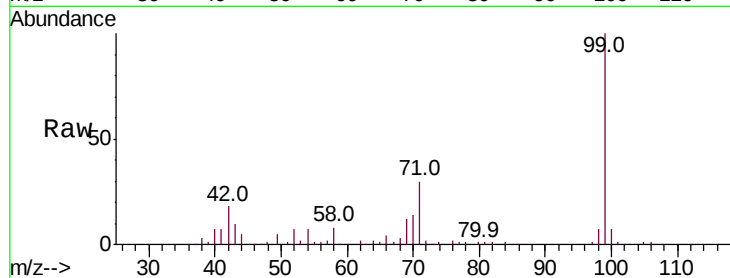
Tot Ion: 99 Resp: 154711

Ion Ratio Lower Upper

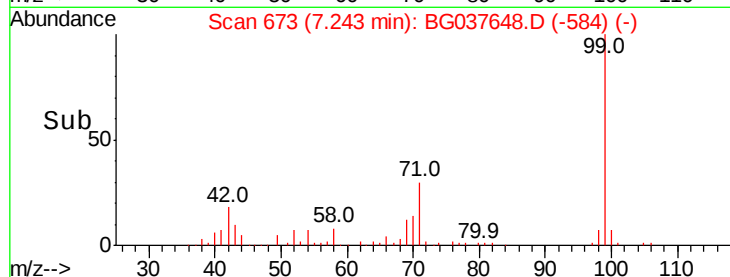
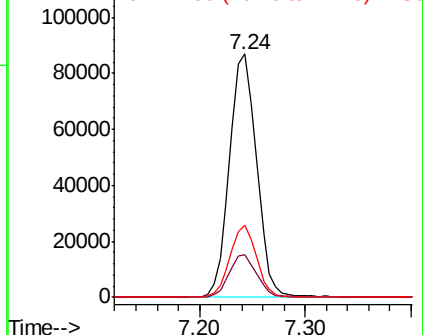
99 100

42 17.7 15.0 22.4

71 29.5 25.5 38.3



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: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037648.D

Acq: 30 Oct 2018 11:29

Tgt Ion: 136 Resp: 276193

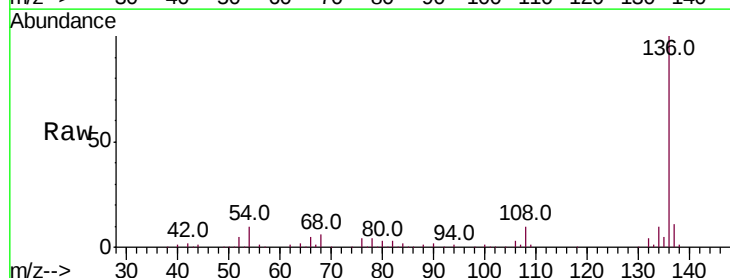
Ion Ratio Lower Upper

136 100

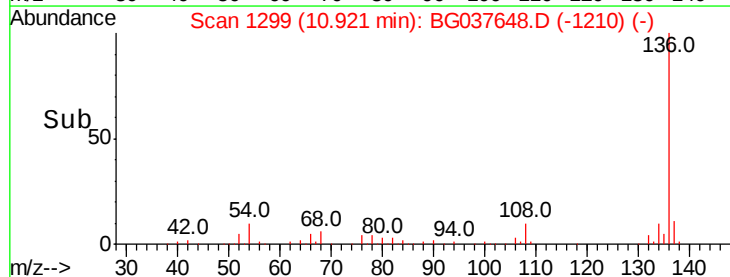
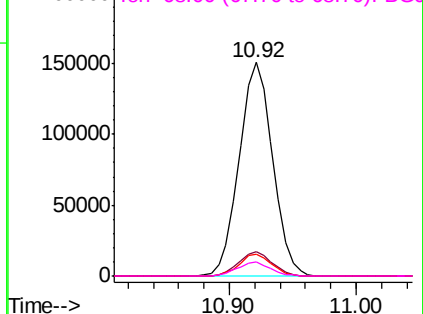
137 11.2 9.6 14.4

54 10.4 7.9 11.9

68 6.3 4.8 7.2



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

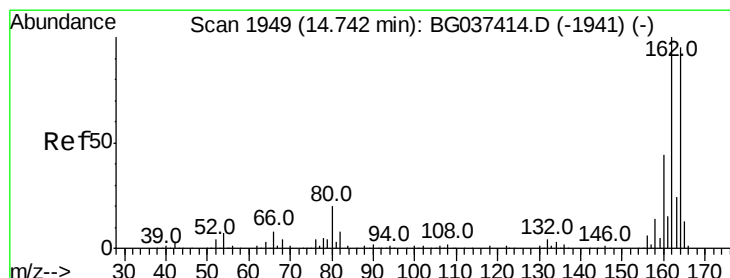
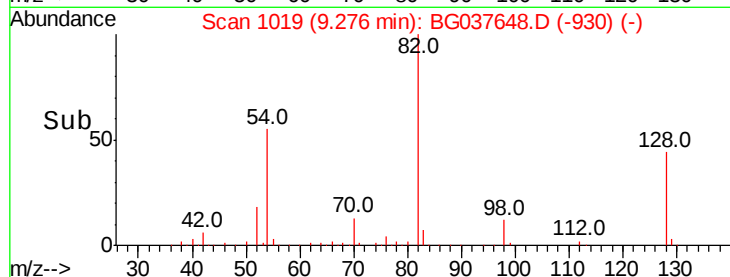
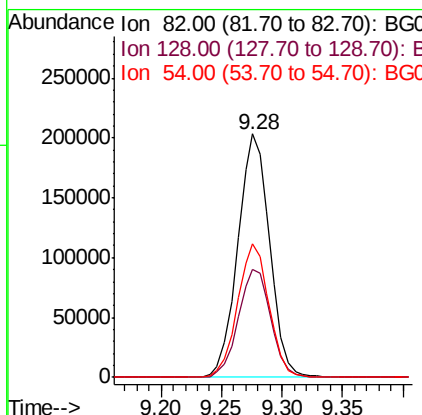
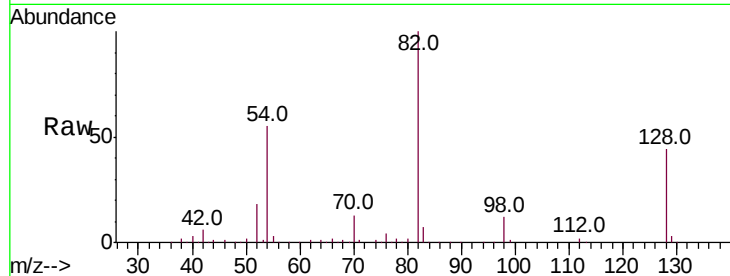




#23  
 Nitrobenzene-d5  
 Concen: 75.671 ng  
 RT: 9.28 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: BG037648.D  
 Acq: 30 Oct 2018 11:29

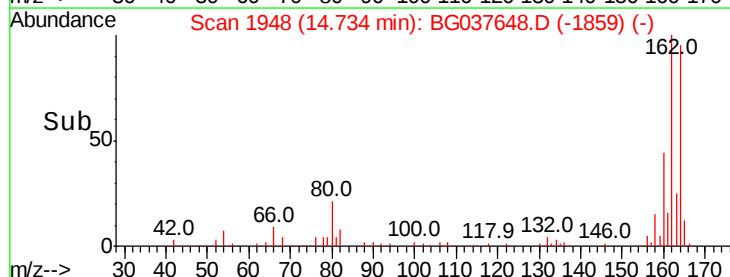
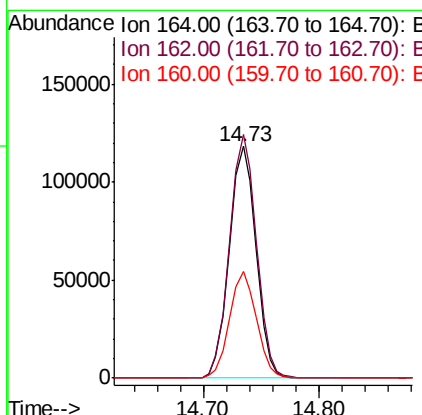
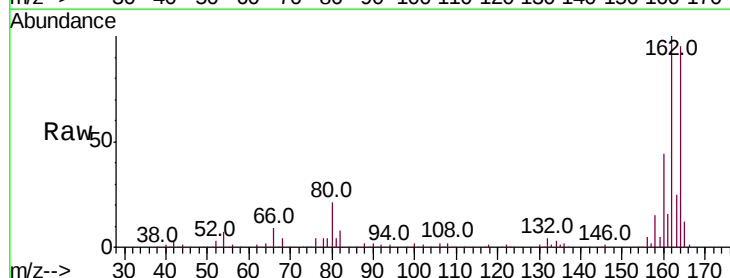
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EB-2018.10.25-GW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.3  | 34.6  | 51.8  |
| 54      | 54.8  | 45.3  | 67.9  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.73 min Scan# 1948  
 Delta R.T. -0.01 min  
 Lab File: BG037648.D  
 Acq: 30 Oct 2018 11:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.1 | 81.3  | 121.9 |
| 160     | 46.0  | 36.3  | 54.5  |





#42

2,4,6-Tribromophenol

Concen: 110.173 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037648.D

Acq: 30 Oct 2018 11:29

Instrument :

BNA\_G

ClientSampleId :

EB-2018.10.25-GW

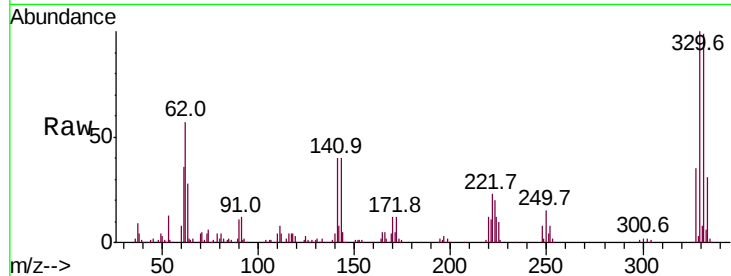
Tot Ion:330 Resp: 228663

Ion Ratio Lower Upper

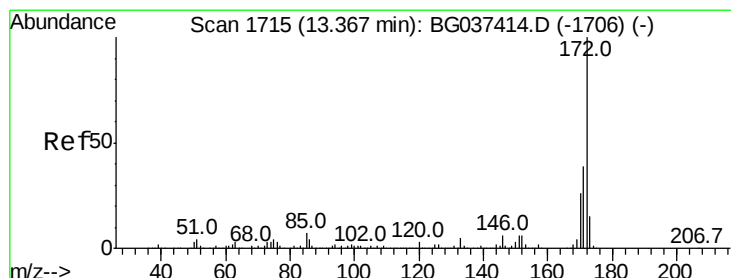
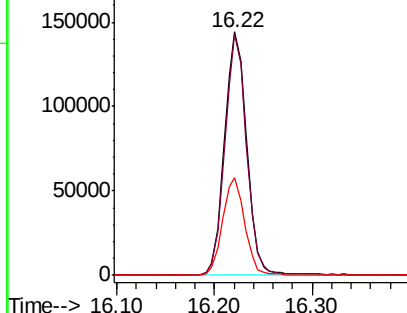
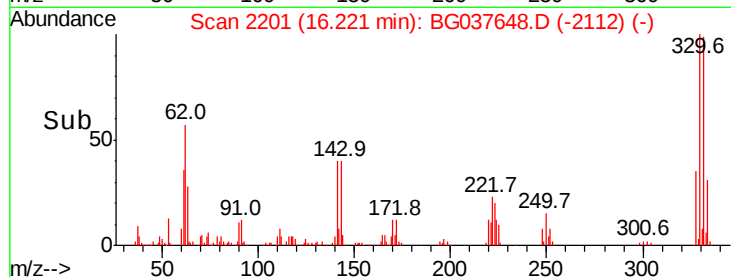
330 100

332 96.2 78.4 117.6

141 39.9 32.2 48.2



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



#45

2-Fluorobiphenyl

Concen: 73.308 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037648.D

Acq: 30 Oct 2018 11:29

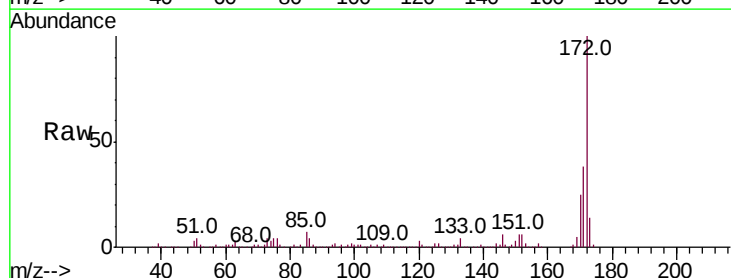
Tgt Ion:172 Resp: 925093

Ion Ratio Lower Upper

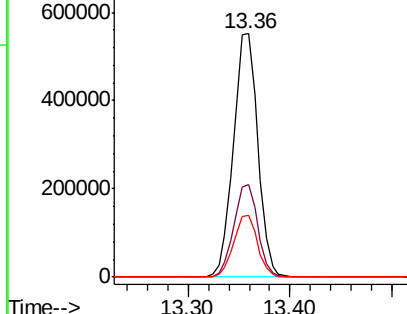
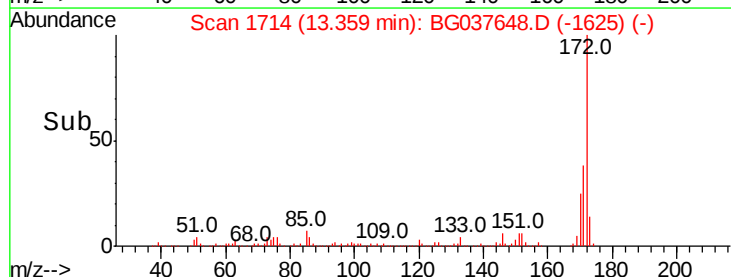
172 100

171 38.1 31.0 46.4

170 25.3 20.2 30.2



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

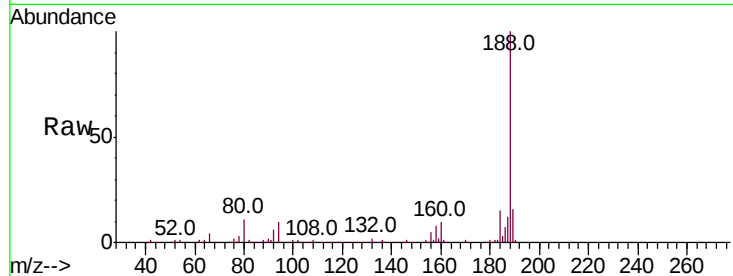




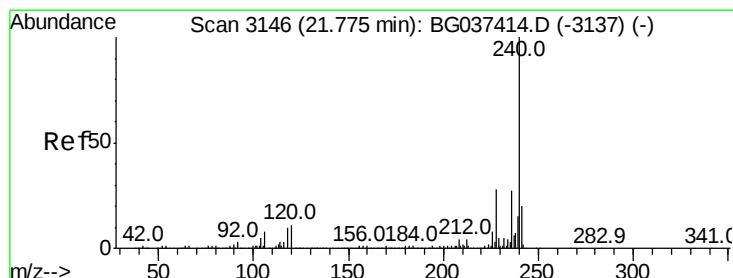
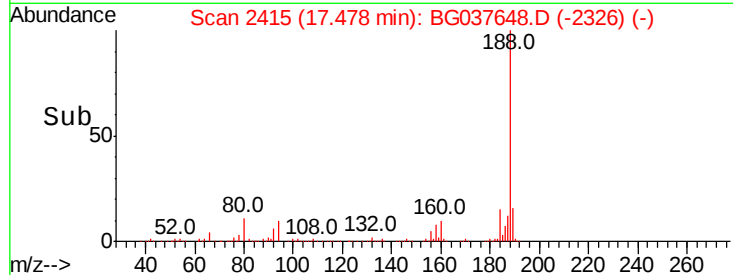
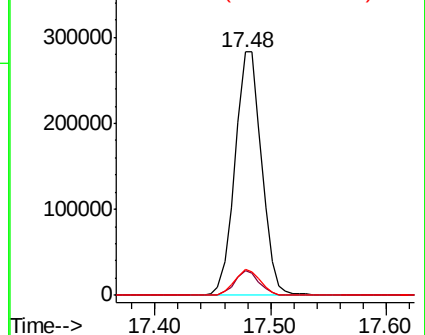
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2415  
Delta R.T. -0.01 min  
Lab File: BG037648.D  
Acq: 30 Oct 2018 11:29

Instrument :  
BNA\_G  
ClientSampleId :  
EB-2018.10.25-GW

Tot Ion:188 Resp: 452284  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.2 10.8  
80 10.6 7.7 11.5

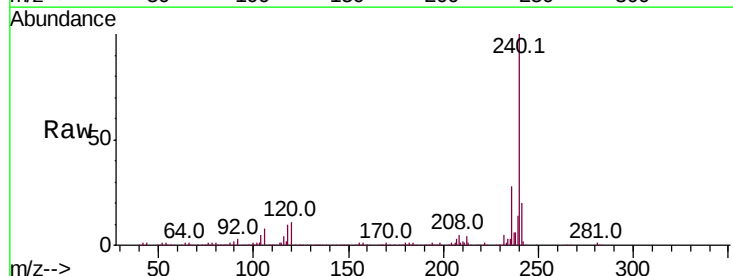


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

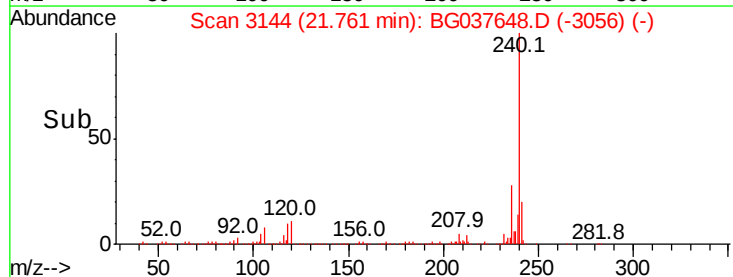
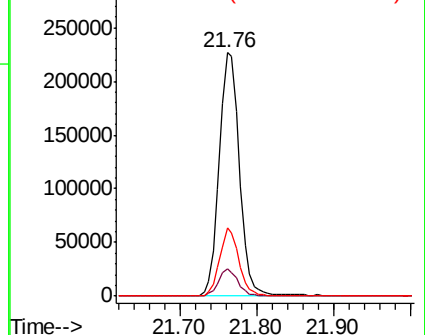


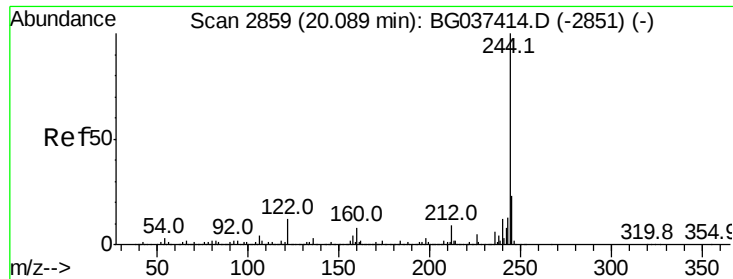
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.76 min Scan# 3144  
Delta R.T. -0.01 min  
Lab File: BG037648.D  
Acq: 30 Oct 2018 11:29

Tgt Ion:240 Resp: 412770  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.1 12.1  
236 28.0 21.4 32.0



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





#79

Terphenyl-d14

Concen: 71.266 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037648.D

Acq: 30 Oct 2018 11:29

Instrument :

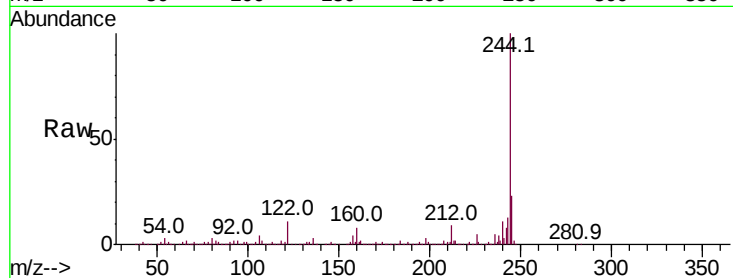
BNA\_G

ClientSampleId :

EB-2018.10.25-GW

Tot Ion:244 Resp: 1376678

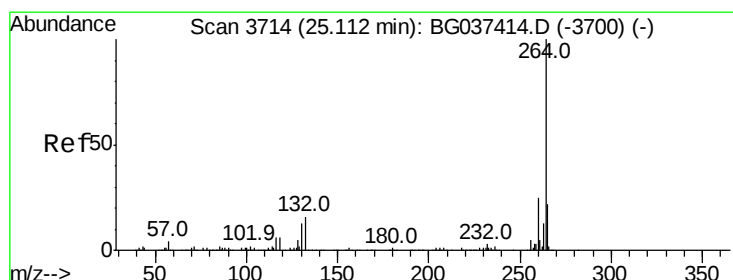
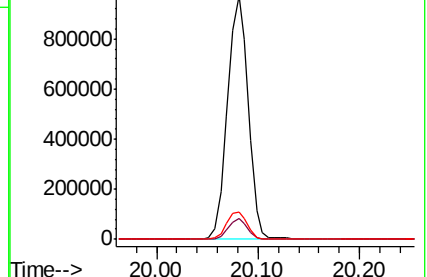
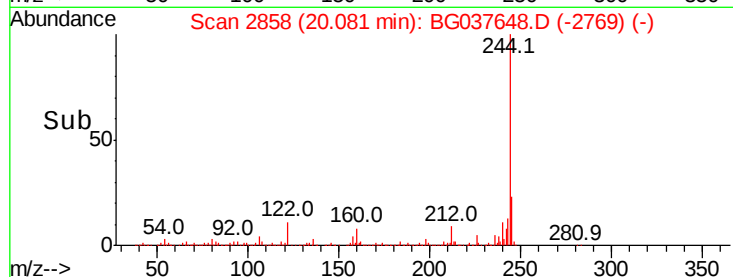
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.5   | 6.5   | 9.7   |
| 122 | 11.3  | 9.0   | 13.4  |



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

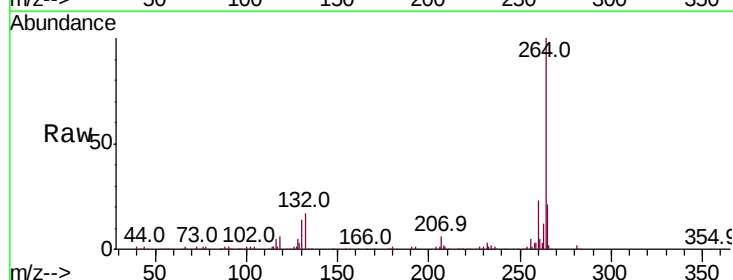
Delta R.T. -0.01 min

Lab File: BG037648.D

Acq: 30 Oct 2018 11:29

Tgt Ion:264 Resp: 393053

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.2  | 27.4  |
| 265 | 20.8  | 17.9  | 26.9  |



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

