

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092818\  
 Data File : BG037062.D  
 Acq On : 28 Sep 2018 22:57  
 Operator : JU/SJ  
 Sample : J5084-22  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-12(TW-2)

Quant Time: Sep 29 06:39:47 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

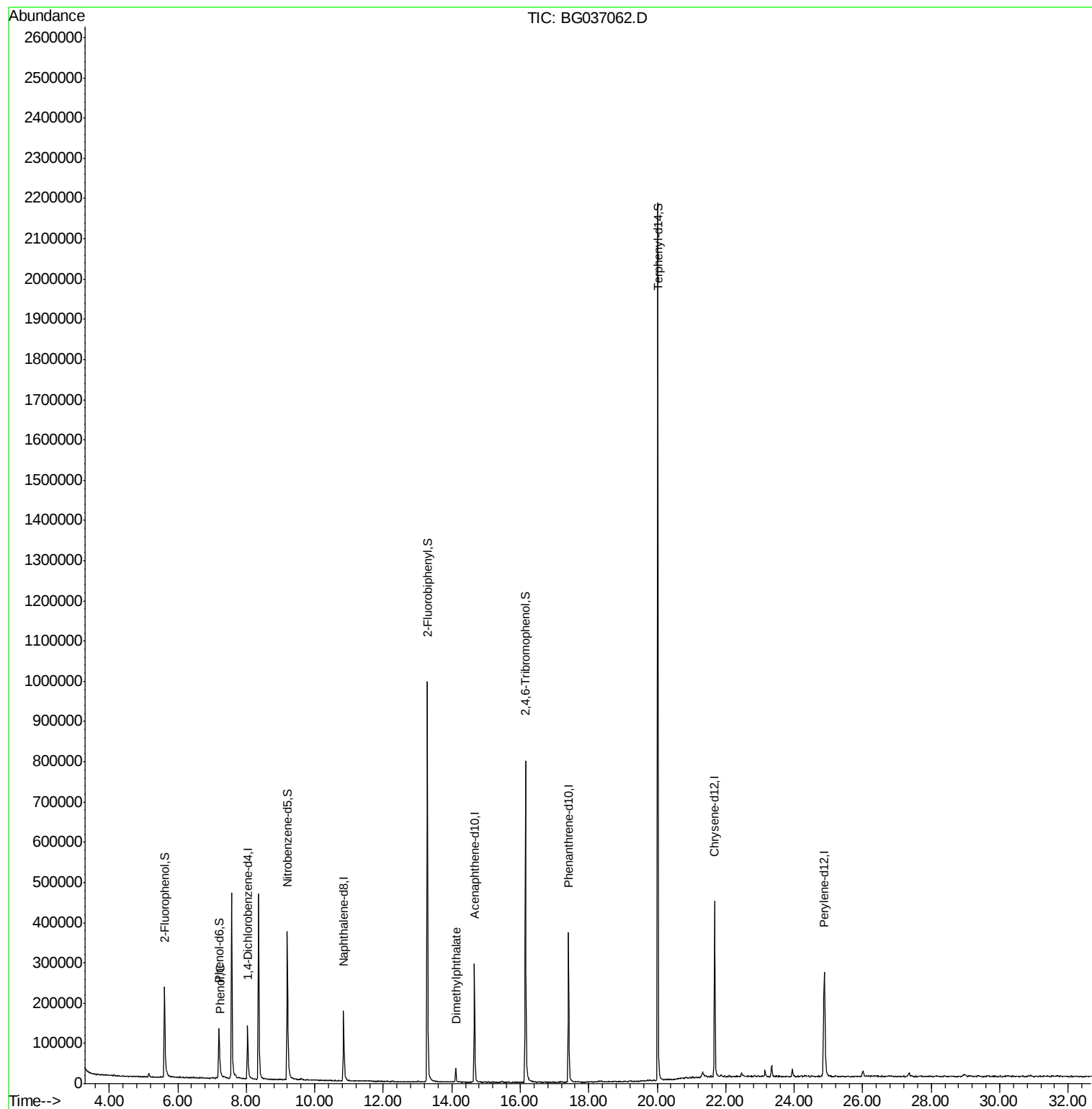
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 43793    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 176348   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.66 | 164  | 107201   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.41 | 188  | 272222   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.67 | 240  | 300693   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.87 | 264  | 298070   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 116200   | 50.89  | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 93726    | 26.53  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 274958   | 83.50  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 152486   | 118.89 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.29 | 172  | 588854   | 81.81  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.02 | 244  | 1033188  | 90.35  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.23  | 94   | 9578     | 2.627  | ng    | 91       |
| 49) Dimethylphthalate       | 14.12 | 163  | 29121    | 3.375  | ng    | 99       |

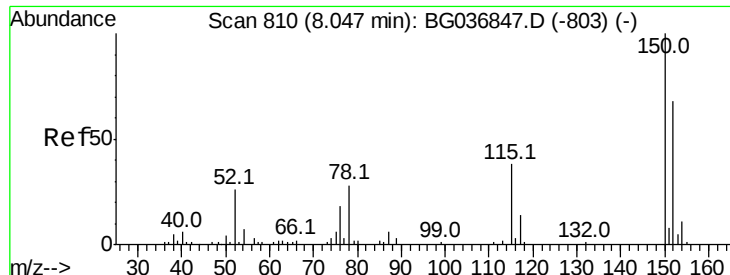
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092818\  
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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: BG037062.D

Acq: 28 Sep 2018 22:57

Instrument :

BNA\_G

ClientSampleId :

B-12(TW-2)

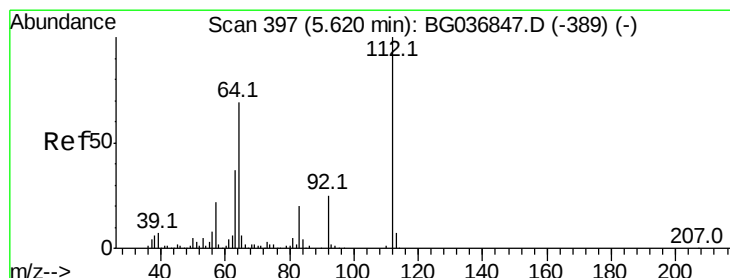
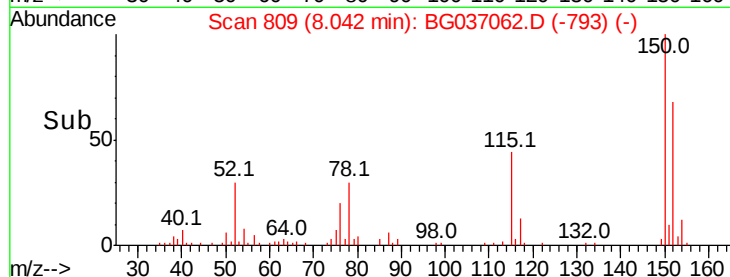
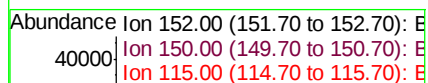
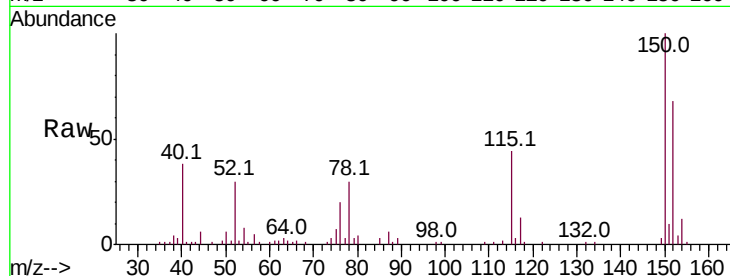
Tot Ion:152 Resp: 43793

Ion Ratio Lower Upper

152 100

150 146.3 119.5 179.3

115 64.2 44.5 66.7



#5

2-Fluorophenol

Concen: 50.886 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

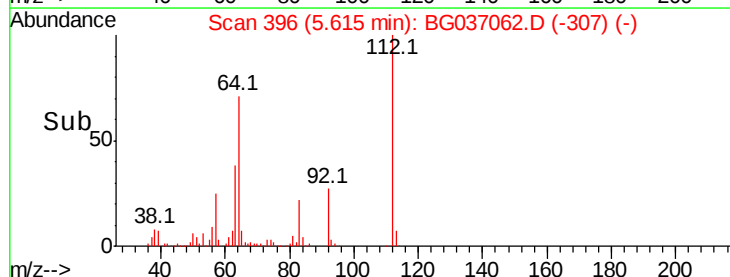
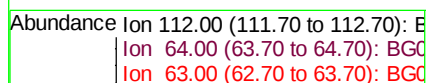
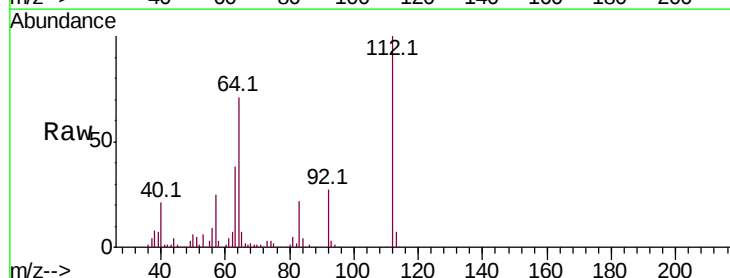
Tgt Ion:112 Resp: 116200

Ion Ratio Lower Upper

112 100

64 71.0 57.2 85.8

63 38.0 30.8 46.2





#7

Phenol-d6

Concen: 26.529 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

Instrument :

BNA\_G

ClientSampled :

B-12(TW-2)

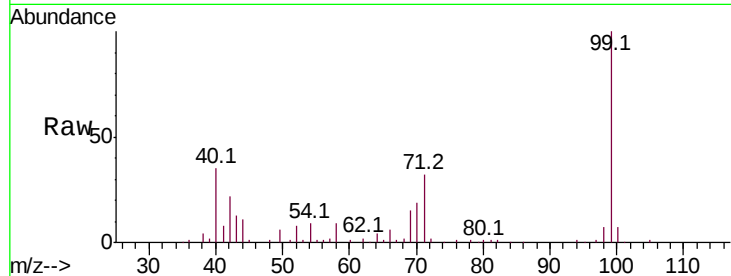
Tot Ion: 99 Resp: 93726

Ion Ratio Lower Upper

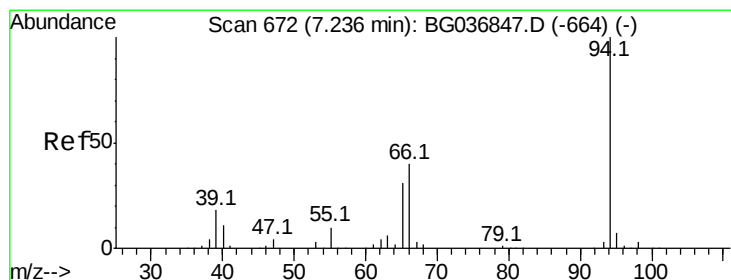
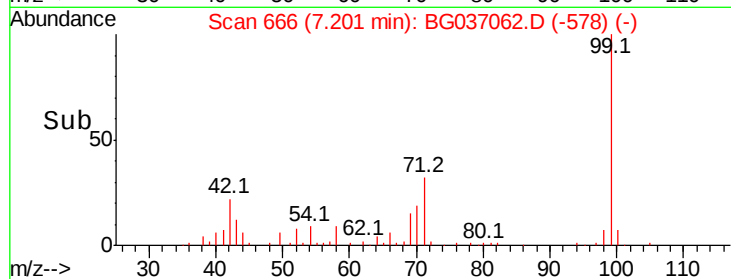
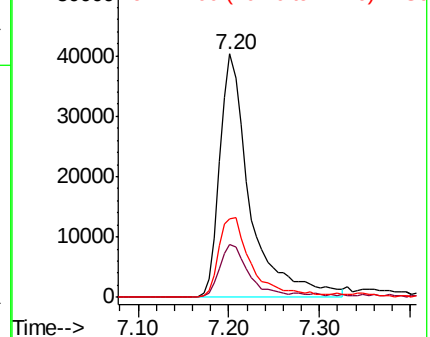
99 100

42 21.7 16.5 24.7

71 32.5 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



#10

Phenol

Concen: 2.627 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

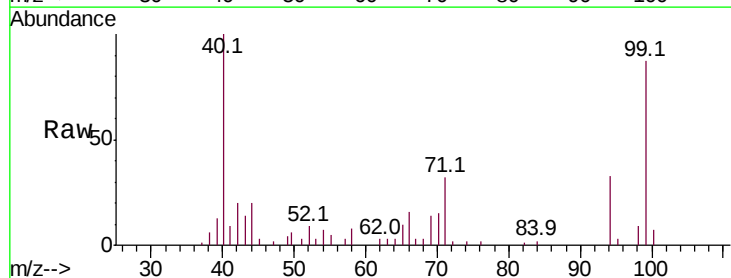
Tgt Ion: 94 Resp: 9578

Ion Ratio Lower Upper

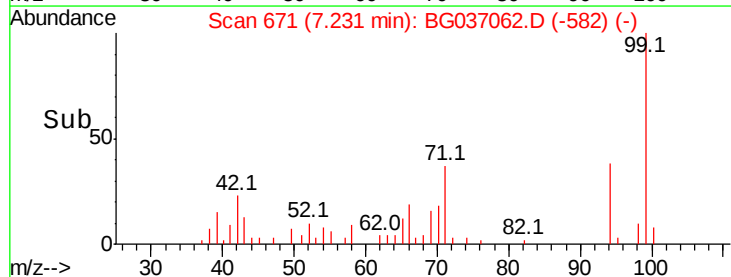
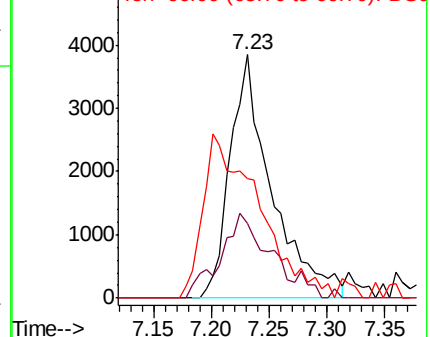
94 100

65 30.6 11.5 51.5

66 48.8 19.5 59.5



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

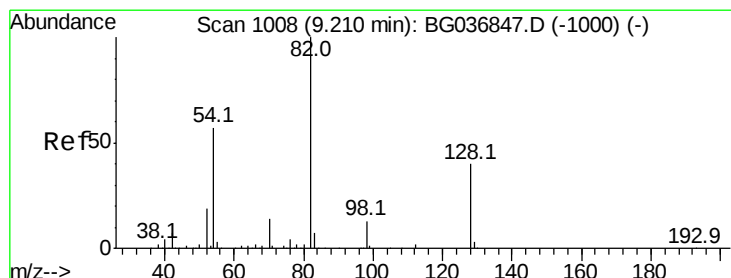
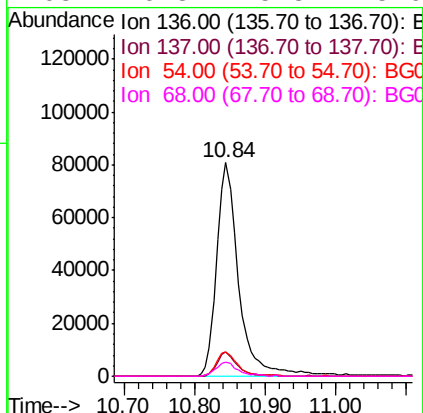
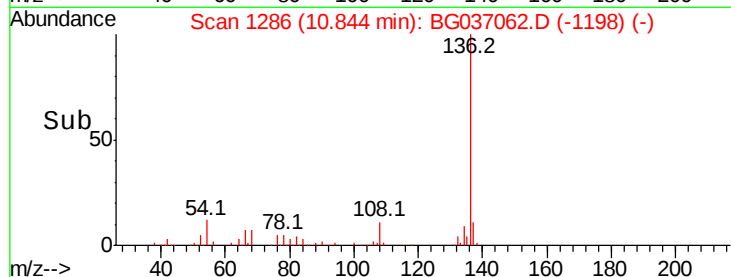
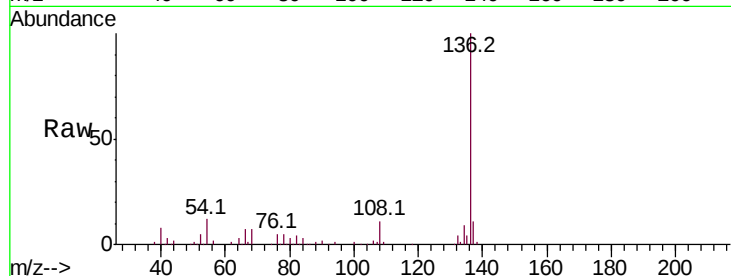




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.84 min Scan# 1286  
Delta R.T. -0.01 min  
Lab File: BG037062.D  
Acq: 28 Sep 2018 22:57

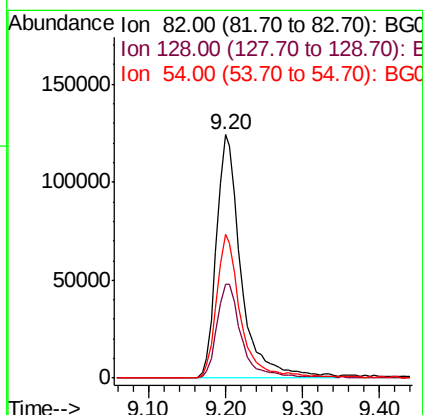
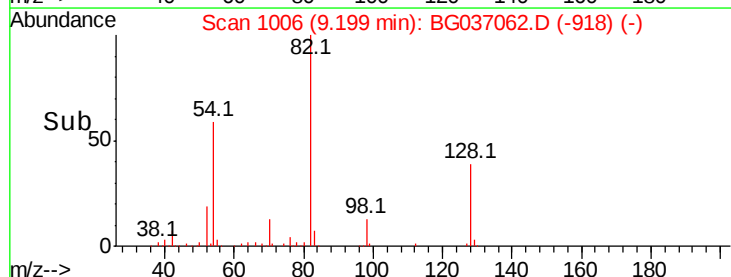
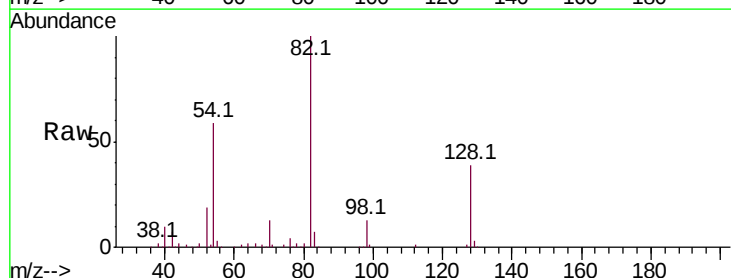
Instrument :  
BNA\_G  
ClientSampleId :  
B-12(TW-2)

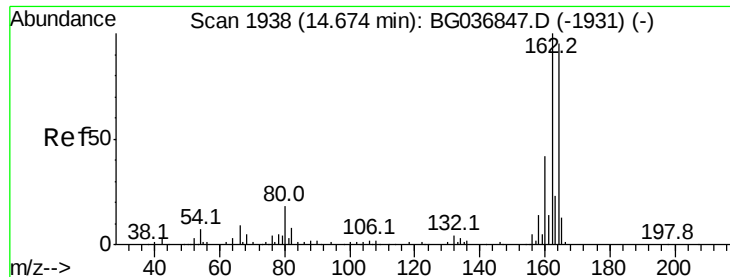
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 176348 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.2    | 8.8   | 13.2   |  |
| 54 11.5     | 9.2   | 13.8   |  |
| 68 6.8      | 5.8   | 8.6    |  |



#23  
Nitrobenzene-d5  
Concen: 83.496 ng  
RT: 9.20 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BG037062.D  
Acq: 28 Sep 2018 22:57

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 274958 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 38.6    | 33.3 49.9    |
| 54 59.2     | 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: BG037062.D

Acq: 28 Sep 2018 22:57

Instrument :

BNA\_G

ClientSampleId :

B-12(TW-2)

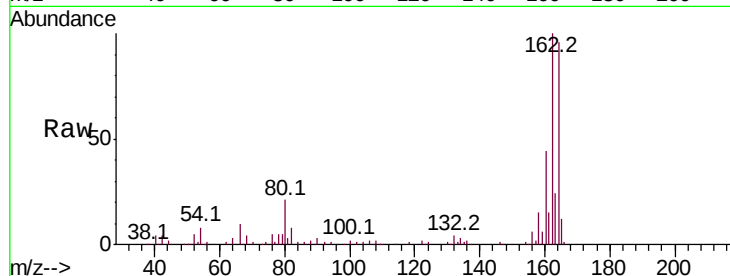
Tot Ion:164 Resp: 107201

Ion Ratio Lower Upper

164 100

162 104.2 80.7 121.1

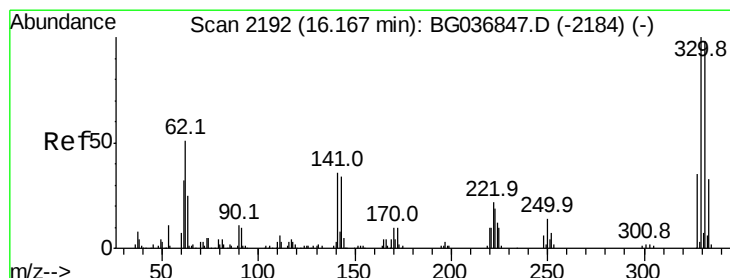
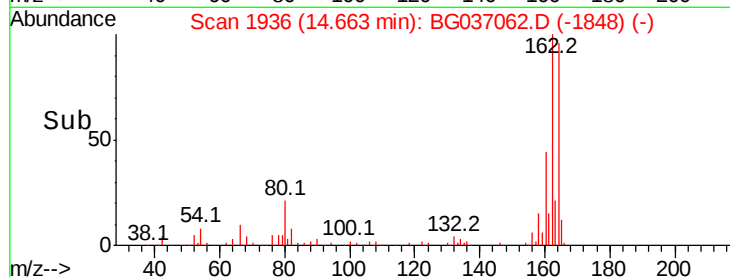
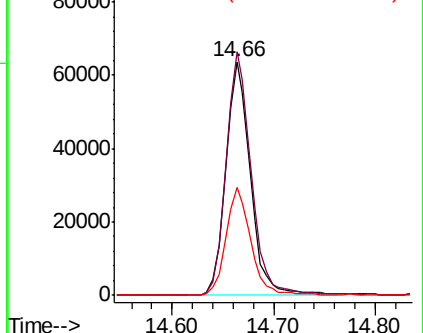
160 46.1 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 118.889 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

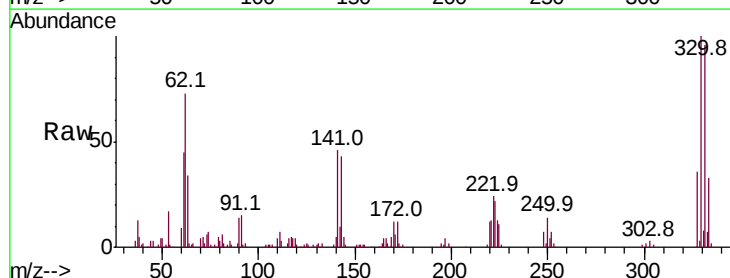
Tgt Ion:330 Resp: 152486

Ion Ratio Lower Upper

330 100

332 95.4 75.4 113.2

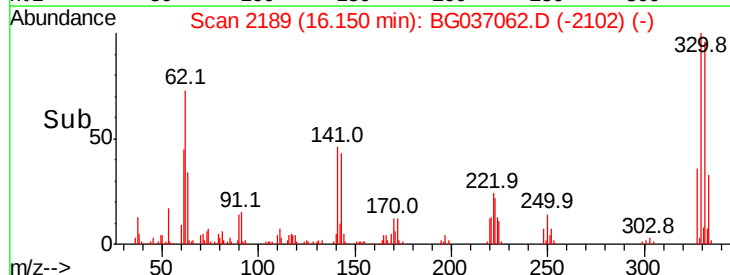
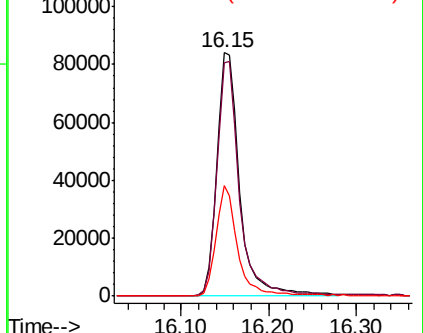
141 42.4 30.7 46.1



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

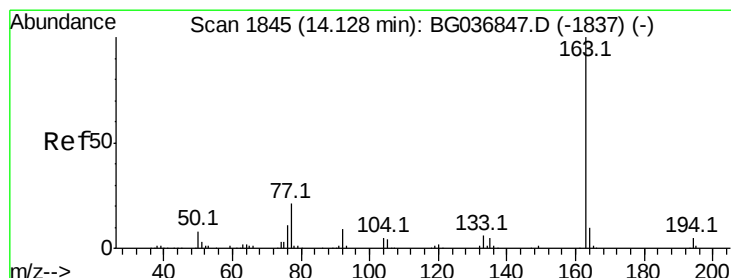
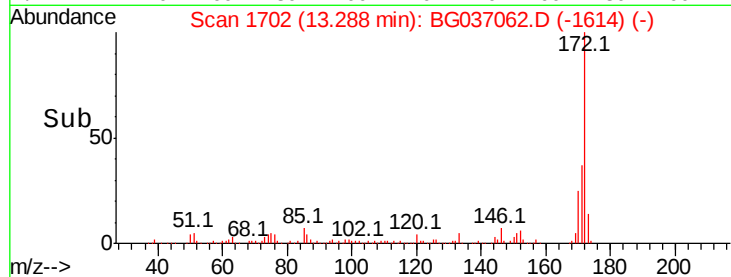
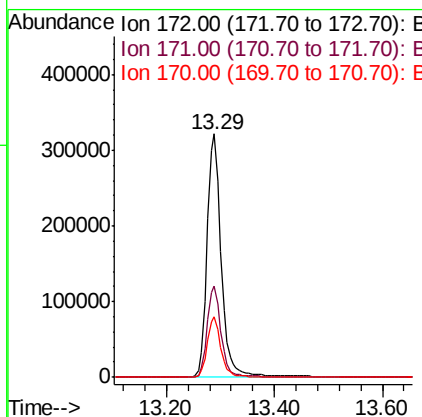
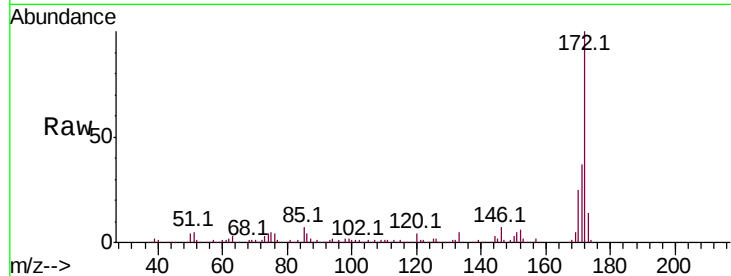




#44  
2-Fluorobiphenyl  
Concen: 81.812 ng  
RT: 13.29 min Scan# 1702  
Delta R.T. -0.01 min  
Lab File: BG037062.D  
Acq: 28 Sep 2018 22:57

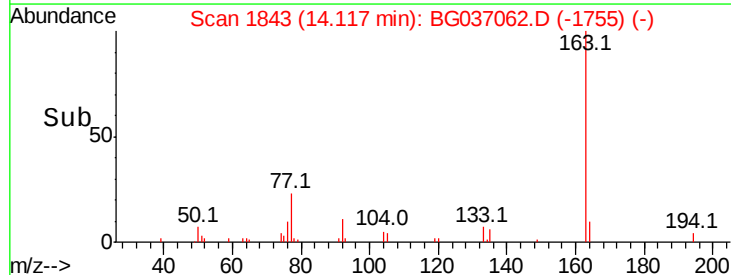
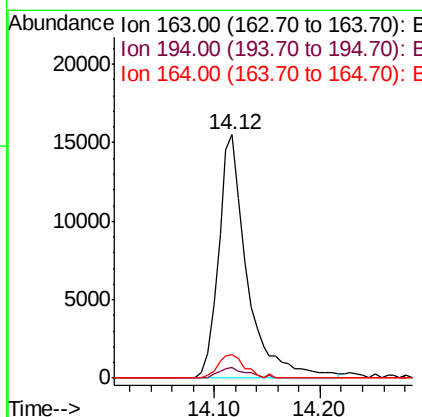
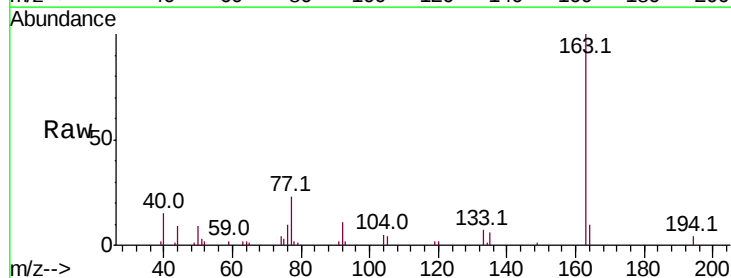
Instrument :  
BNA\_G  
ClientSampleId :  
B-12(TW-2)

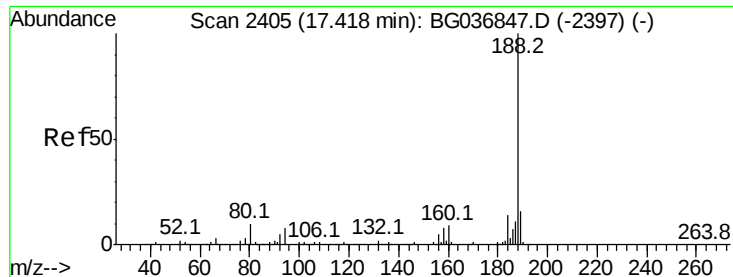
Tot Ion:172 Resp: 588854  
Ion Ratio Lower Upper  
172 100  
171 37.2 31.3 46.9  
170 24.8 21.0 31.6



#49  
Dimethylphthalate  
Concen: 3.375 ng  
RT: 14.12 min Scan# 1843  
Delta R.T. -0.01 min  
Lab File: BG037062.D  
Acq: 28 Sep 2018 22:57

Tgt Ion:163 Resp: 29121  
Ion Ratio Lower Upper  
163 100  
194 4.3 4.0 6.0  
164 9.9 8.1 12.1

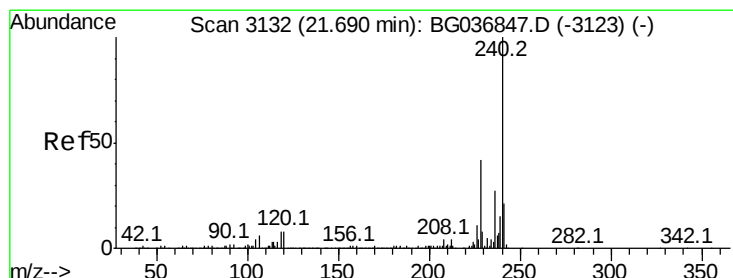
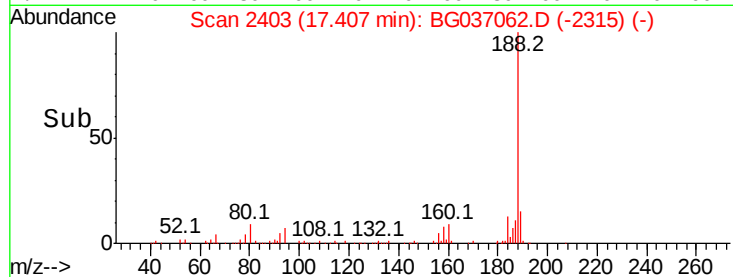
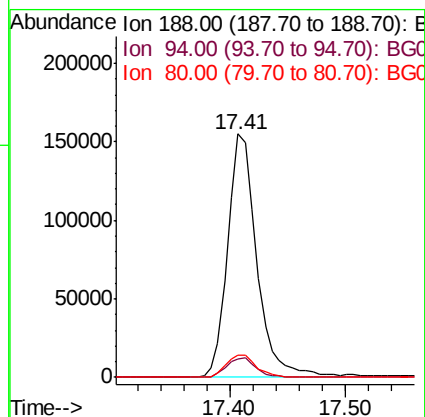
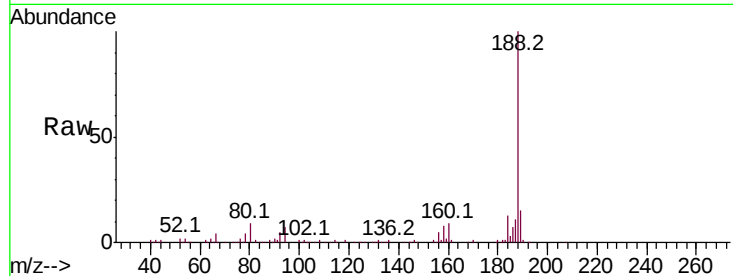




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2403  
Delta R.T. -0.01 min  
Lab File: BG037062.D  
Acq: 28 Sep 2018 22:57

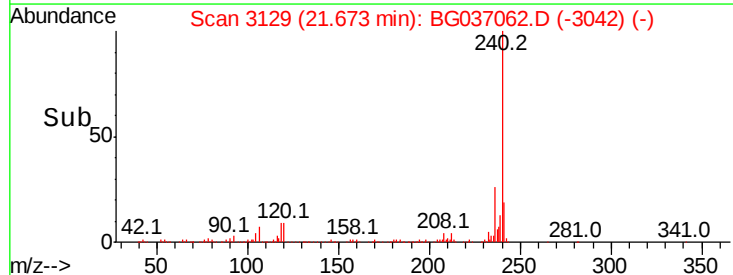
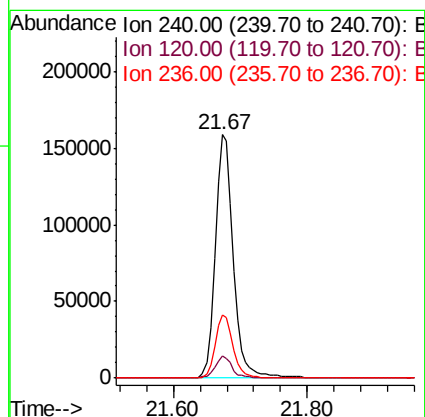
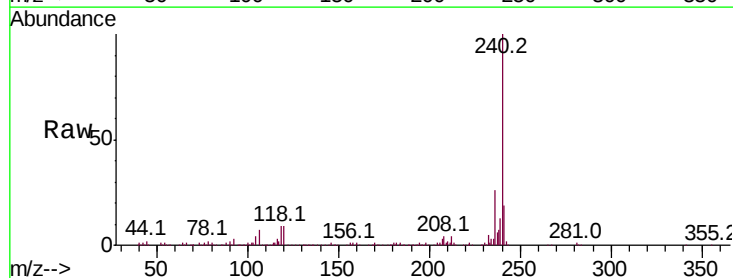
Instrument :  
BNA\_G  
ClientSampleId :  
B-12(TW-2)

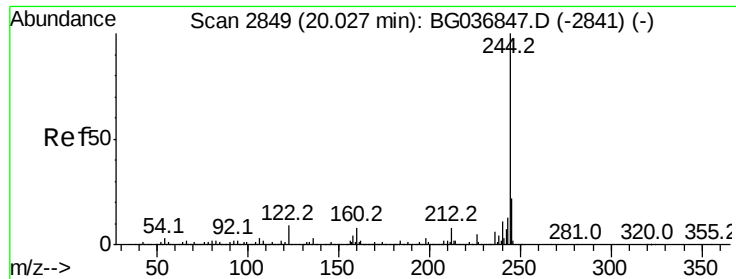
Tot Ion:188 Resp: 272222  
Ion Ratio Lower Upper  
188 100  
94 7.5 6.7 10.1  
80 9.3 8.1 12.1



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.67 min Scan# 3129  
Delta R.T. -0.02 min  
Lab File: BG037062.D  
Acq: 28 Sep 2018 22:57

Tgt Ion:240 Resp: 300693  
Ion Ratio Lower Upper  
240 100  
120 9.3 6.9 10.3  
236 26.0 21.2 31.8



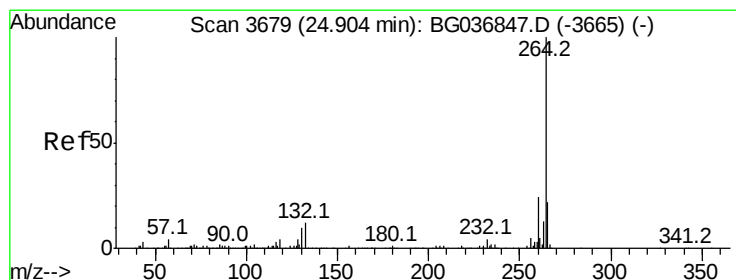
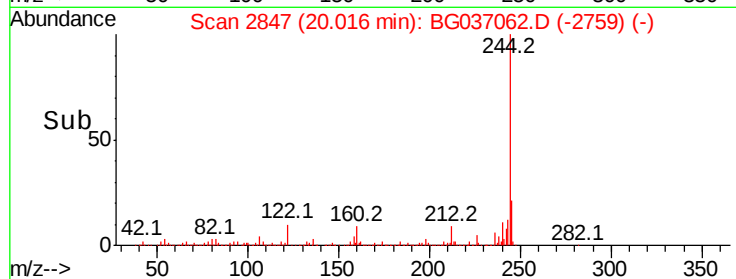
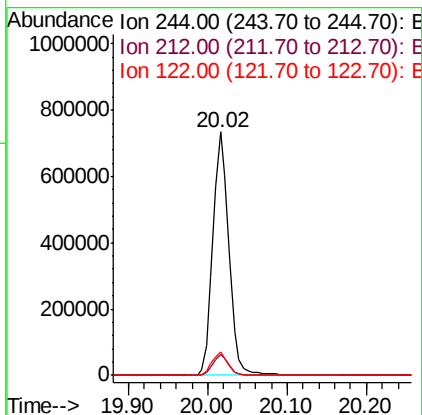
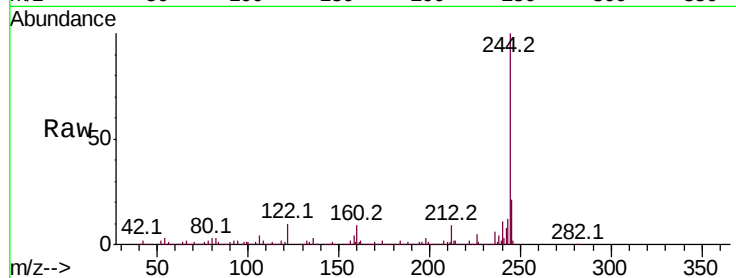


#78  
 Terphenyl-d14  
 Concen: 90.350 ng  
 RT: 20.02 min Scan# 2847  
 Delta R.T. -0.01 min  
 Lab File: BG037062.D  
 Acq: 28 Sep 2018 22:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-12(TW-2)

Tot Ion:244 Resp: 1033188  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.6   | 7.0   | 10.6  |
| 122 | 9.6   | 7.1   | 10.7  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.87 min Scan# 3674  
 Delta R.T. -0.03 min  
 Lab File: BG037062.D  
 Acq: 28 Sep 2018 22:57

Tgt Ion:264 Resp: 298070  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 19.6  | 29.4  |
| 265 | 19.9  | 17.4  | 26.0  |

