

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\  
 Data File : BG040912.D  
 Acq On : 13 May 2019 15:39  
 Operator : HP/JU  
 Sample : K2823-05  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 12-B

Quant Time: May 14 01:52:18 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 05:35:33 2019  
 Response via : Initial Calibration

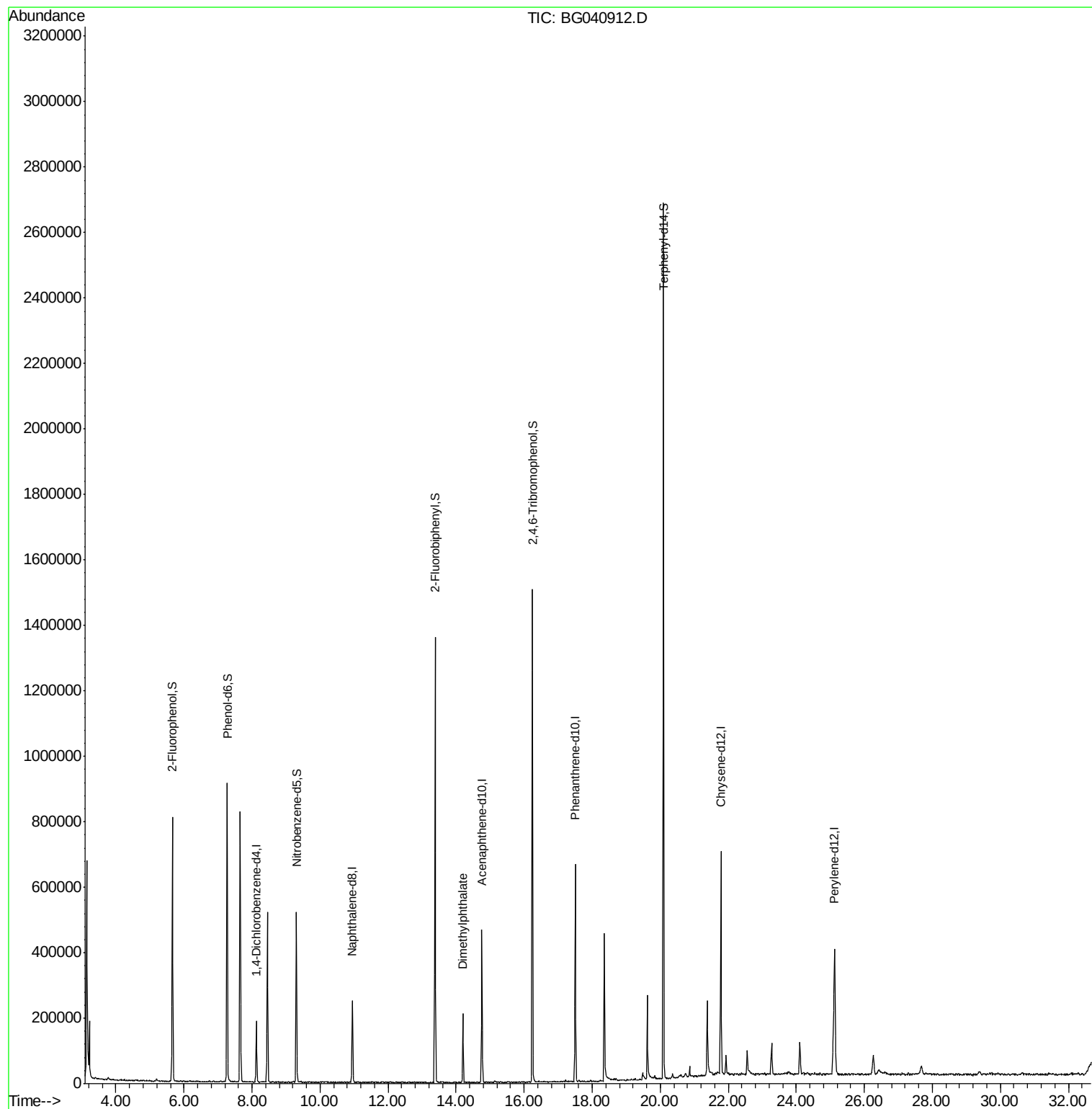
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 48424    | 20.00  | ng    | -0.03        |
| 21) Naphthalene-d8          | 10.95 | 136  | 202764   | 20.00  | ng    | -0.04        |
| 39) Acenaphthene-d10        | 14.76 | 164  | 158553   | 20.00  | ng    | -0.04        |
| 64) Phenanthrene-d10        | 17.50 | 188  | 411534   | 20.00  | ng    | -0.04        |
| 76) Chrysene-d12            | 21.78 | 240  | 414135   | 20.00  | ng    | -0.04        |
| 87) Perylene-d12            | 25.13 | 264  | 447688   | 20.00  | ng    | -0.08        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.66  | 112  | 309282   | 112.59 | ng    | -0.02        |
| 7) Phenol-d6                | 7.27  | 99   | 479680   | 113.41 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 310447   | 70.75  | ng    | -0.04        |
| 42) 2,4,6-Tribromophenol    | 16.24 | 330  | 275525   | 126.43 | ng    | -0.03        |
| 45) 2-Fluorobiphenyl        | 13.38 | 172  | 687035   | 62.58  | ng    | -0.04        |
| 79) Terphenyl-d14           | 20.10 | 244  | 1275526  | 68.23  | ng    | -0.04        |
| Target Compounds            |       |      |          |        |       |              |
| 50) Dimethylphthalate       | 14.20 | 163  | 132701   | 10.003 | ng    | Qvalue<br>98 |

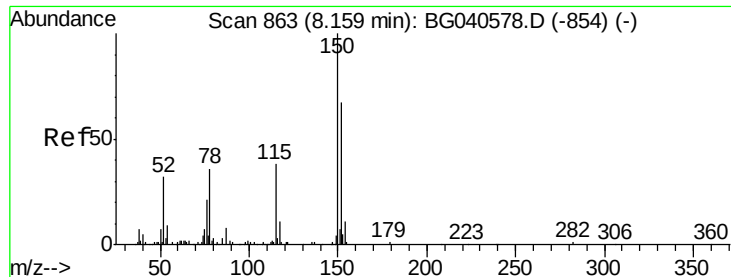
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\  
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BNA\_G  
ClientSampleId :  
12-B

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QLast Update : Wed Apr 24 05:35:33 2019  
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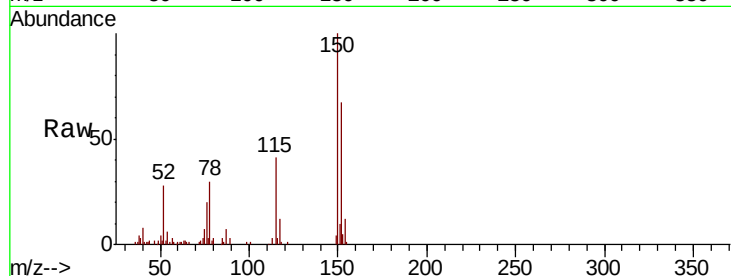


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.13 min Scan# 858  
Delta R.T. -0.03 min  
Lab File: BG040912.D  
Acq: 13 May 2019 15:39

Instrument :  
BNA\_G  
ClientSampleId :  
12-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.2 | 120.2 | 180.2 |
| 115     | 62.2  | 46.2  | 69.2  |

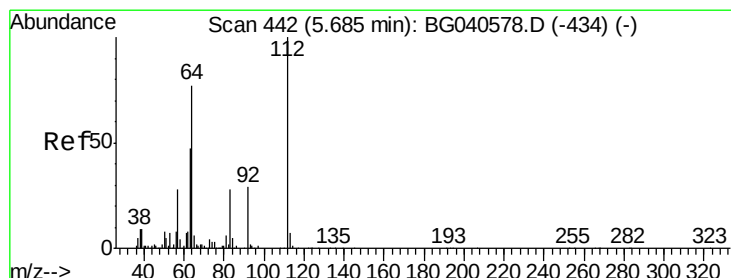
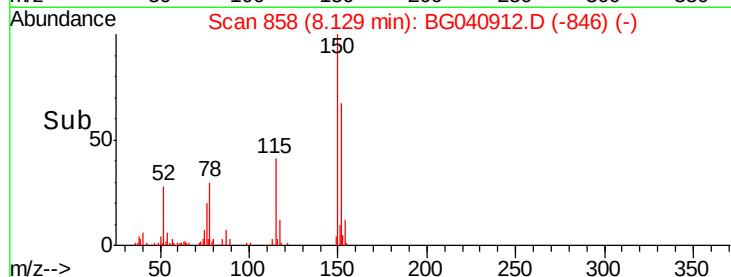
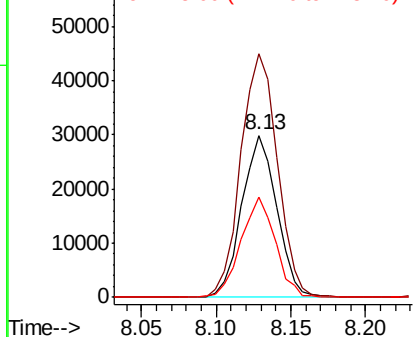


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

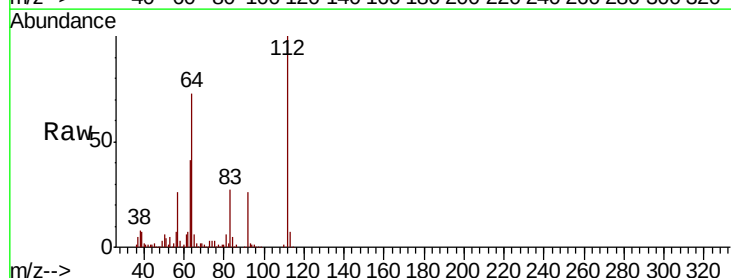
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 112.587 ng  
RT: 5.66 min Scan# 438  
Delta R.T. -0.02 min  
Lab File: BG040912.D  
Acq: 13 May 2019 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 72.8  | 61.4  | 92.0  |
| 63      | 40.8  | 37.8  | 56.6  |

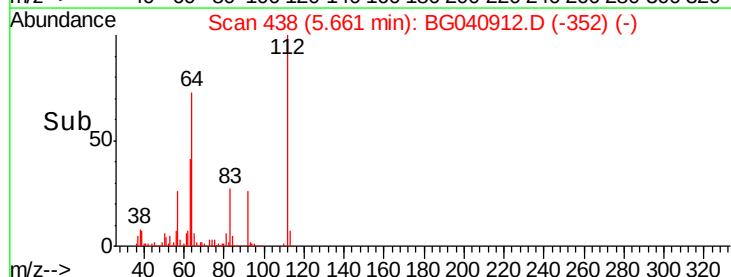
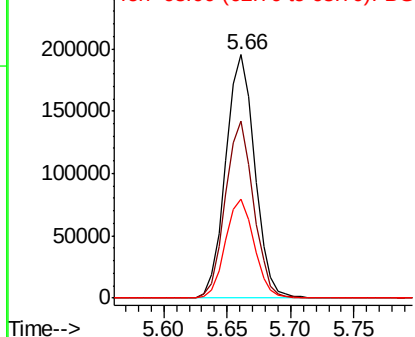


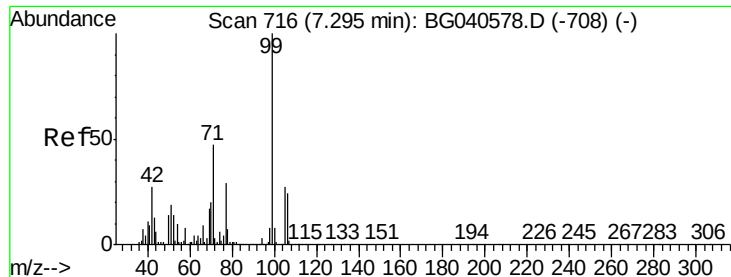
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 113.408 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

Instrument :

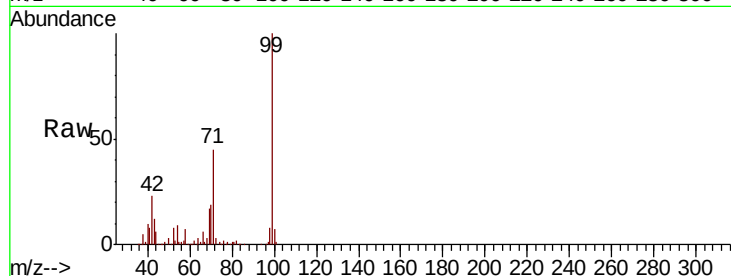
BNA\_G

ClientSampleId :

12-B

Tot Ion: 99 Resp: 479680

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.1  | 21.8  | 32.8  |
| 71  | 45.1  | 38.6  | 57.8  |

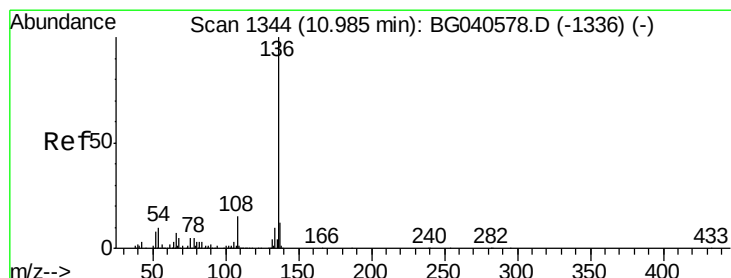
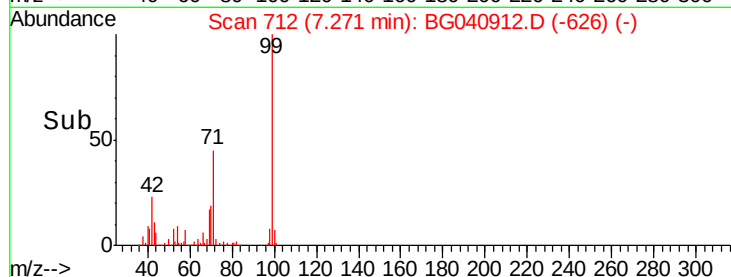
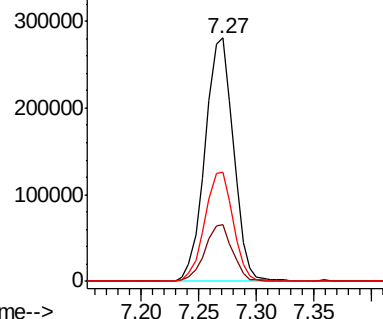


Abundance

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: 10.95 min Scan# 1338

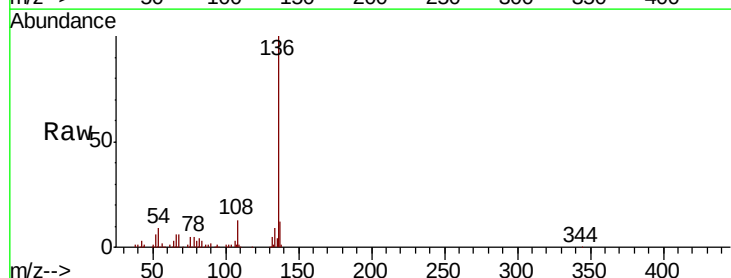
Delta R.T. -0.04 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

Tgt Ion: 136 Resp: 202764

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.9  | 9.7   | 14.5  |
| 54  | 9.2   | 8.6   | 12.8  |
| 68  | 5.8   | 4.8   | 7.2   |



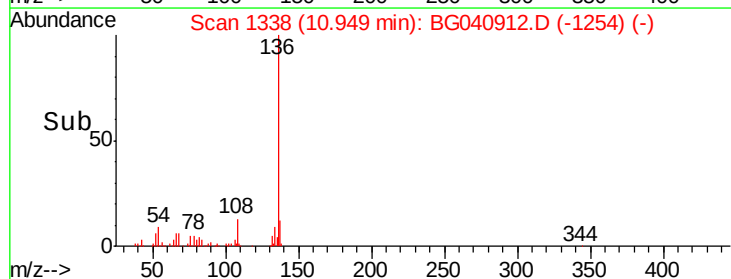
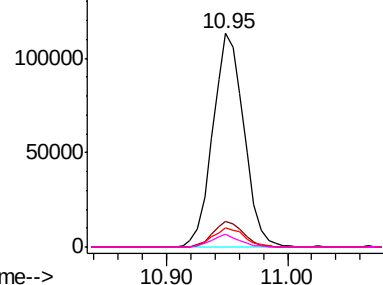
Abundance

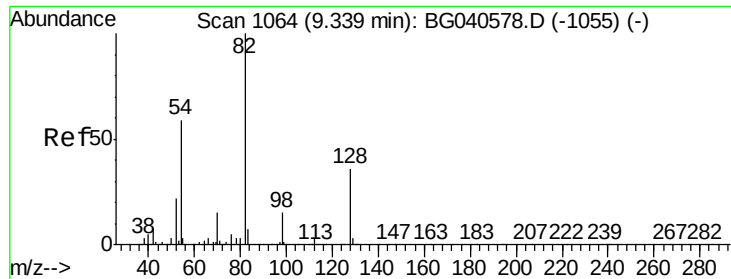
Ion 136.00 (135.70 to 136.70): BGC

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

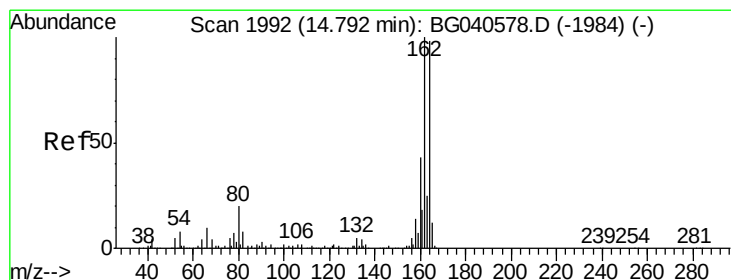
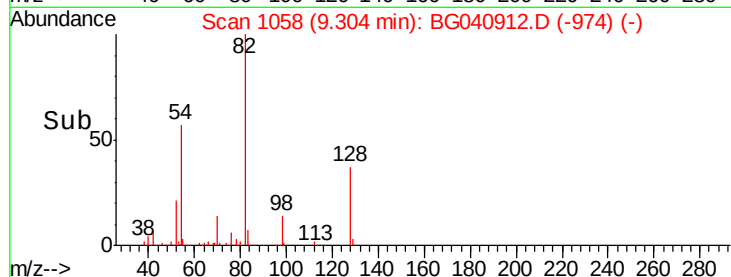
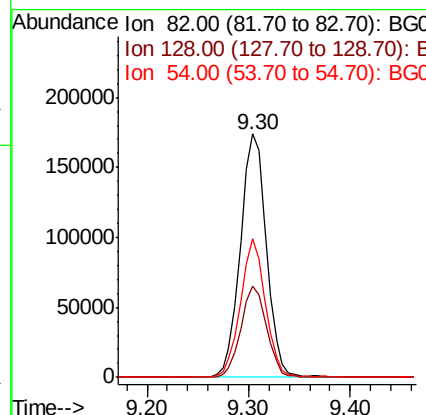
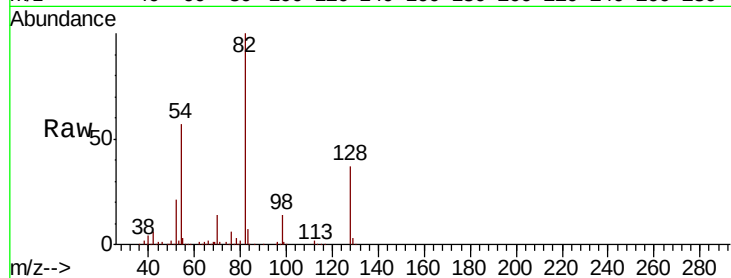




#23  
 Nitrobenzene-d5  
 Concen: 70.745 ng  
 RT: 9.30 min Scan# 1058  
 Delta R.T. -0.04 min  
 Lab File: BG040912.D  
 Acq: 13 May 2019 15:39

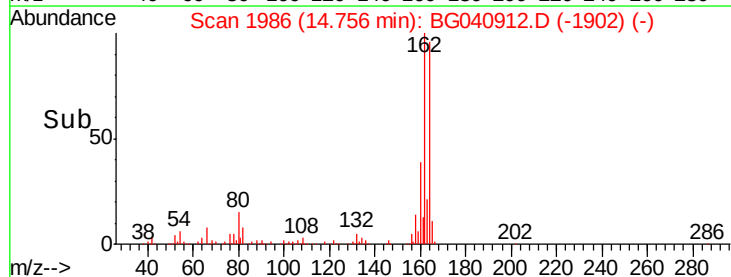
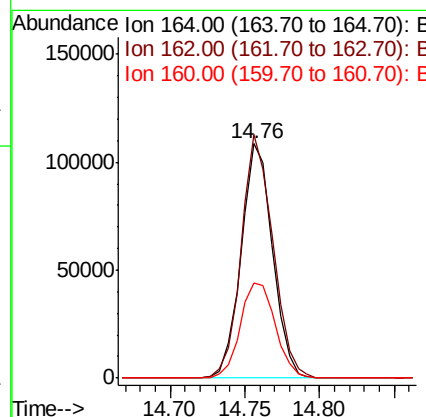
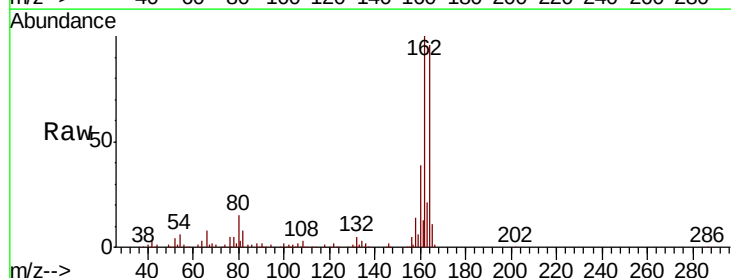
Instrument :  
 BNA\_G  
 ClientSampled :  
 12-B

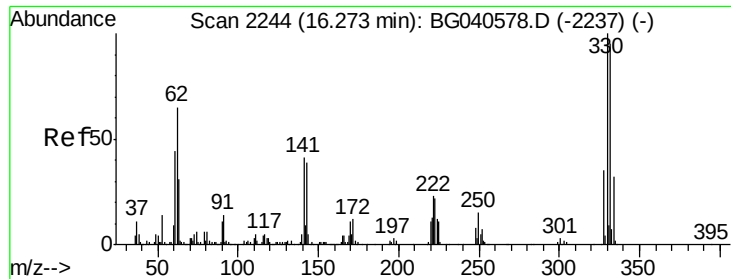
| Tot Ion   | 82    | Resp  | 310447 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.3  | 28.9  | 43.3   |
| 54        | 57.0  | 47.2  | 70.8   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.76 min Scan# 1986  
 Delta R.T. -0.04 min  
 Lab File: BG040912.D  
 Acq: 13 May 2019 15:39

| Tgt Ion   | 164   | Resp  | 158553 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.0 | 81.9  | 122.9  |
| 160       | 40.9  | 35.4  | 53.2   |

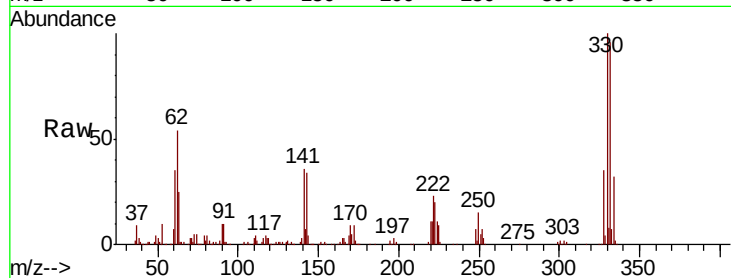




#42  
 2,4,6-Tribromophenol  
 Concen: 126.426 ng  
 RT: 16.24 min Scan# 2239  
 Delta R.T. -0.03 min  
 Lab File: BG040912.D  
 Acq: 13 May 2019 15:39

Instrument :  
 BNA\_G  
 ClientSampled :  
 12-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 75.9  | 113.9 |
| 141     | 35.0  | 32.4  | 48.6  |

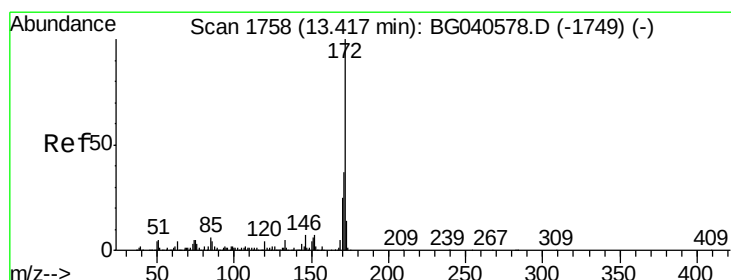
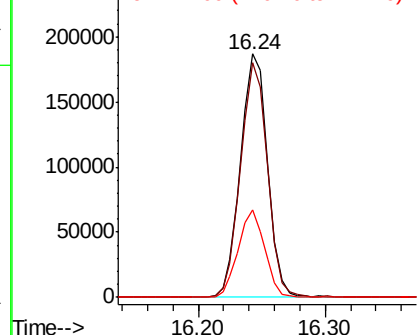
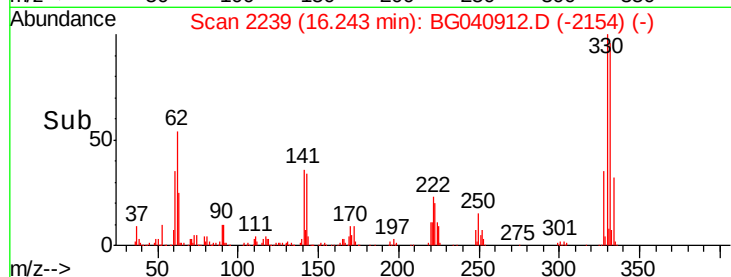


Abundance

Ion 329.80 (329.50 to 330.50): E

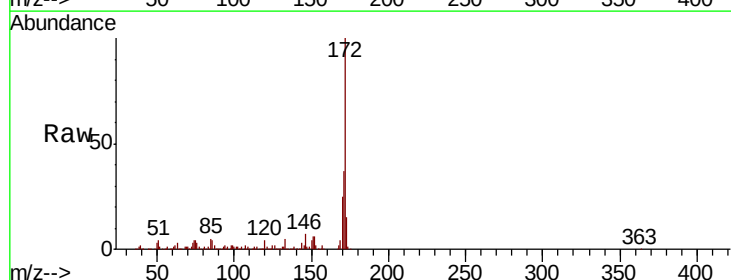
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 62.579 ng  
 RT: 13.38 min Scan# 1752  
 Delta R.T. -0.04 min  
 Lab File: BG040912.D  
 Acq: 13 May 2019 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.4  | 44.2  |
| 170     | 25.2  | 19.9  | 29.9  |

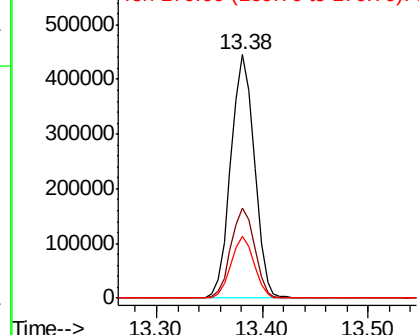
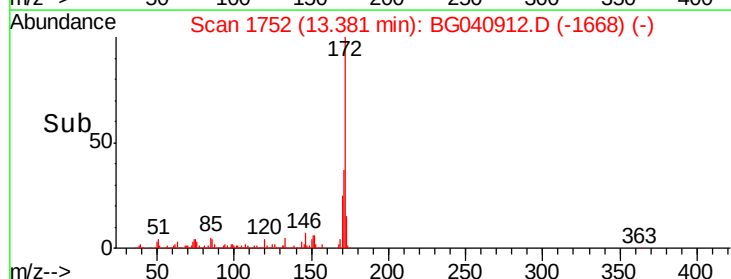


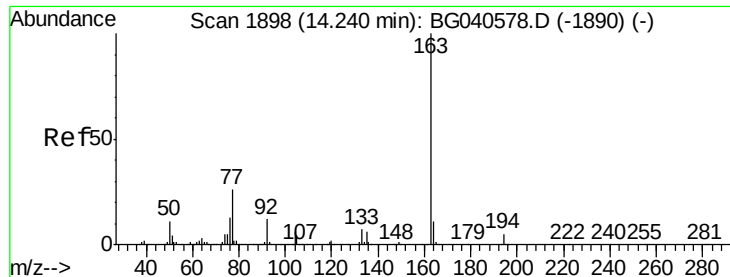
Abundance

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





#50

Dimethylphthalate

Concen: 10.003 ng

RT: 14.20 min Scan# 1891

Delta R.T. -0.04 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

Instrument :

BNA\_G

ClientSampleId :

12-B

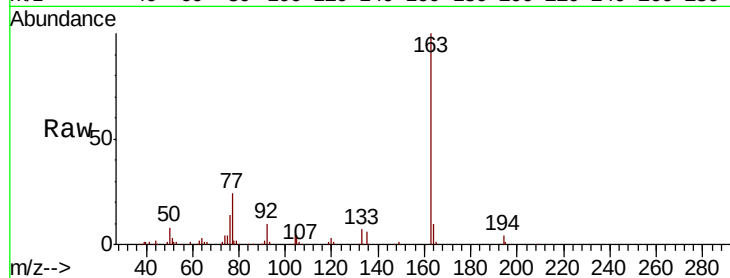
Tot Ion:163 Resp: 132701

Ion Ratio Lower Upper

163 100

194 4.2 3.8 5.8

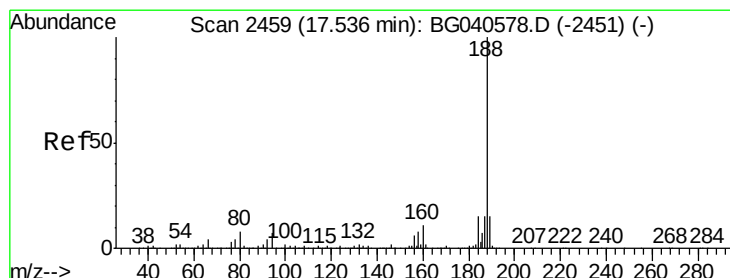
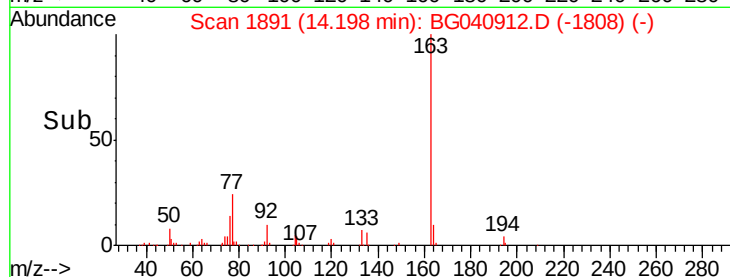
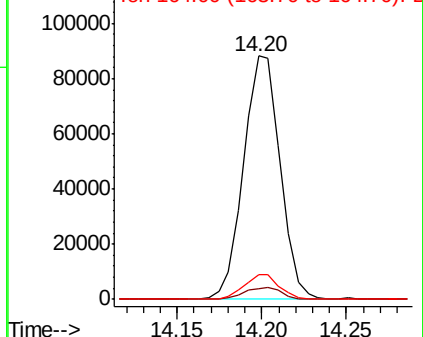
164 10.2 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2453

Delta R.T. -0.04 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

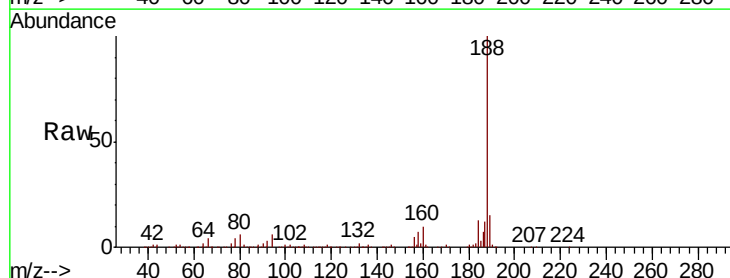
Tgt Ion:188 Resp: 411534

Ion Ratio Lower Upper

188 100

94 5.6 5.6 8.4#

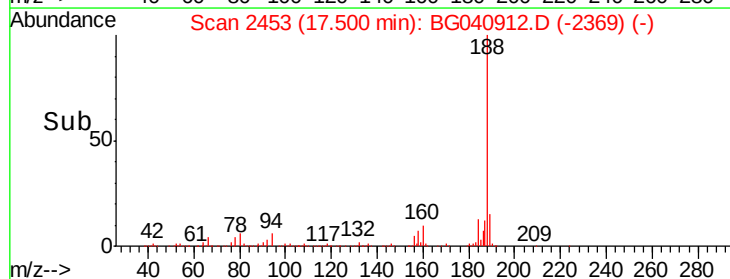
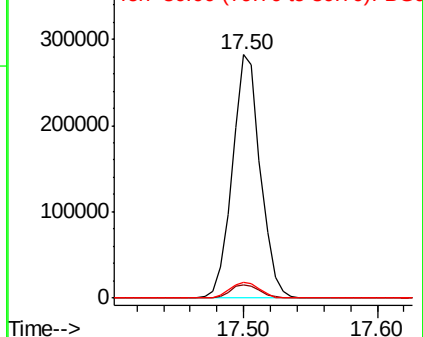
80 6.4 6.4 9.6

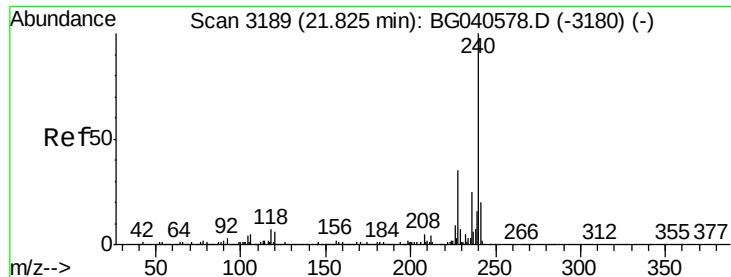


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.78 min Scan# 3182

Delta R.T. -0.04 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

Instrument :

BNA\_G

ClientSampleId :

12-B

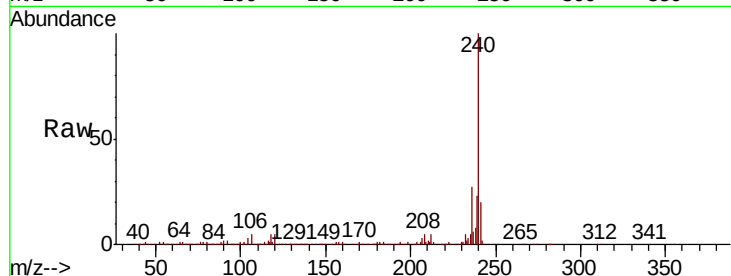
Tot Ion:240 Resp: 414135

Ion Ratio Lower Upper

240 100

120 5.1 5.0 7.6

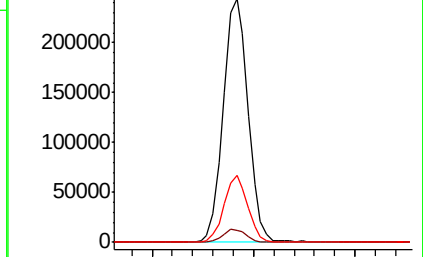
236 27.3 20.3 30.5



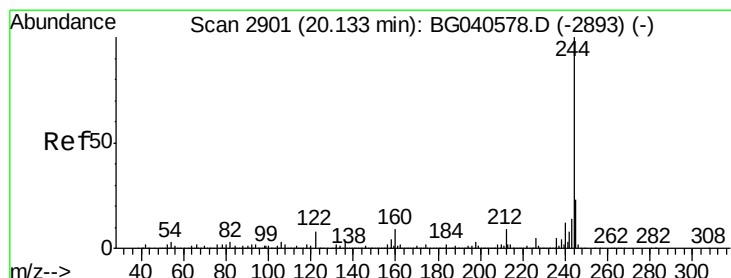
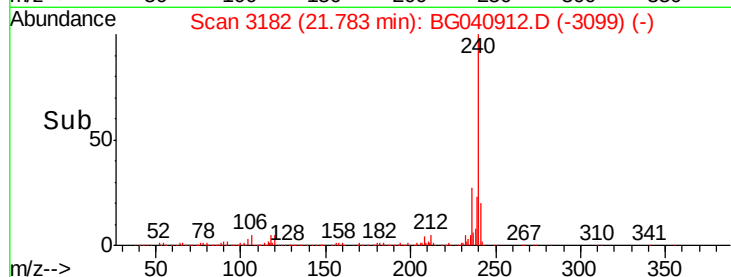
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#79

Terphenyl-d14

Concen: 68.234 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.04 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

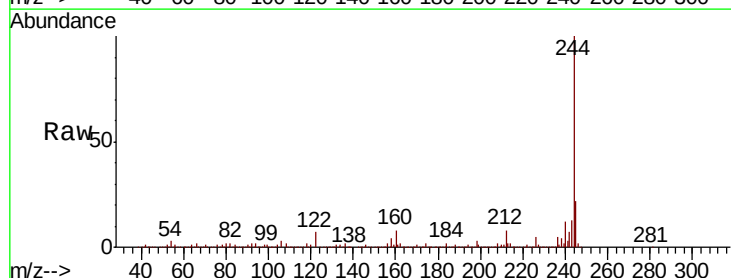
Tgt Ion:244 Resp: 1275526

Ion Ratio Lower Upper

244 100

212 8.3 7.2 10.8

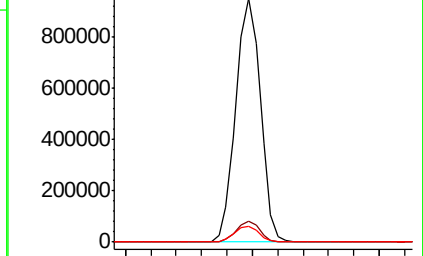
122 6.7 6.6 10.0



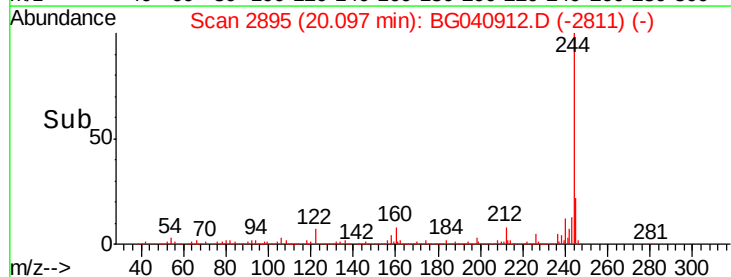
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

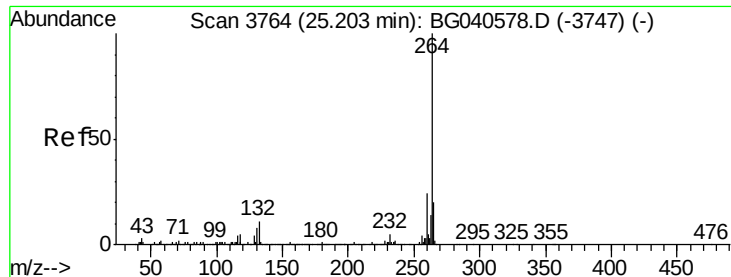
Ion 122.00 (121.70 to 122.70): E



Time-->







#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.13 min Scan# 3751  
Delta R.T. -0.08 min  
Lab File: BG040912.D  
Acq: 13 May 2019 15:39

Instrument :  
BNA\_G  
ClientSampleId :  
12-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.8  | 19.2  | 28.8  |
| 265     | 21.1  | 16.6  | 25.0  |

