

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031119\  
 Data File : BG039865.D  
 Acq On : 12 Mar 2019 7:36  
 Operator : JU/SJ  
 Sample : PB117792BL  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117792BL

Quant Time: Mar 12 09:38:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 39873    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.97 | 136  | 165513   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.77 | 164  | 116087   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.52 | 188  | 301773   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.81 | 240  | 329779   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.18 | 264  | 318550   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 304617   | 130.33 | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 425421   | 122.08 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 245573   | 80.24  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.27 | 330  | 158563   | 117.19 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.40 | 172  | 636989   | 78.13  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.11 | 244  | 1143389  | 76.34  | ng    | 0.00     |

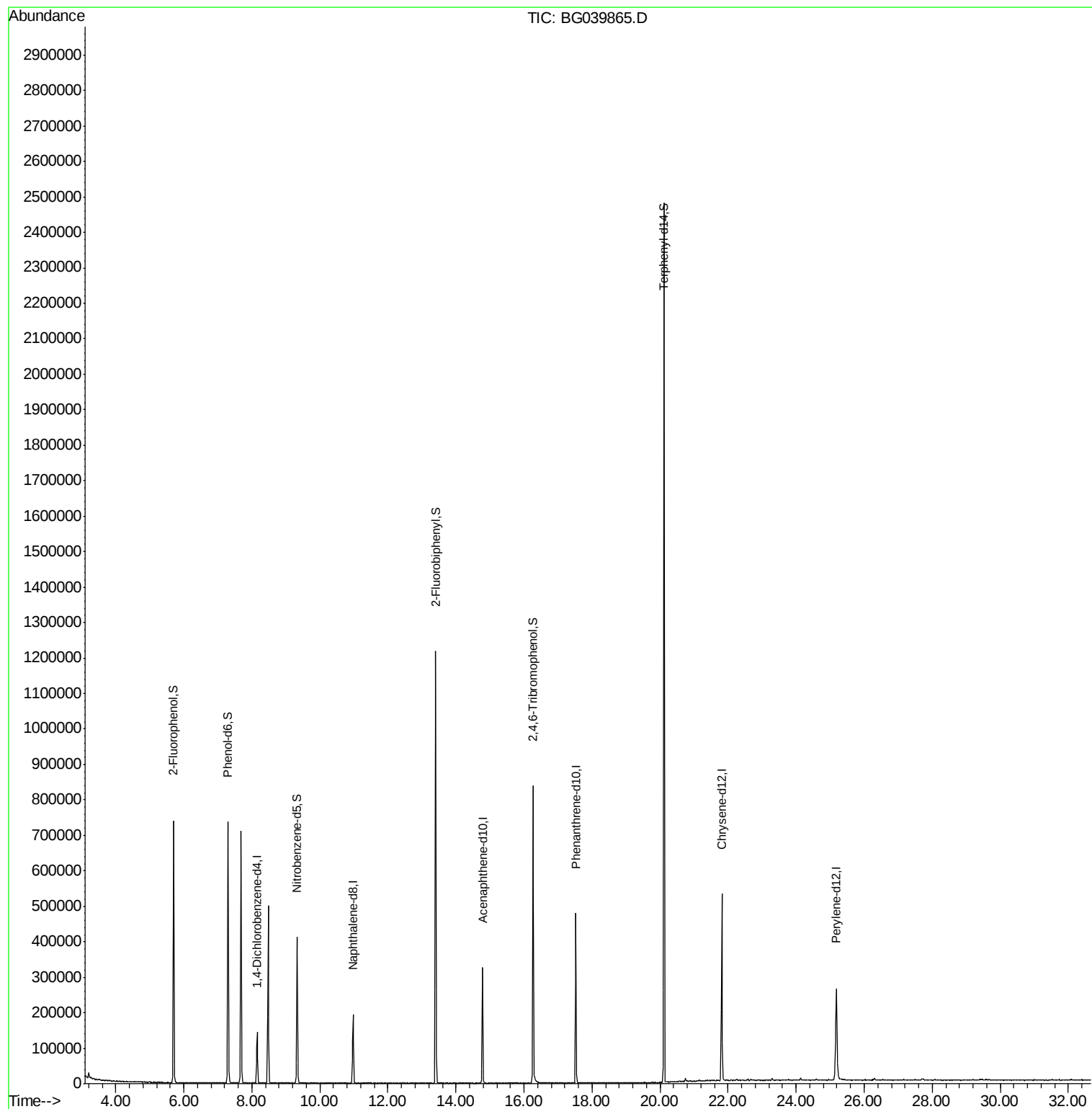
Target Compounds Qvalue

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

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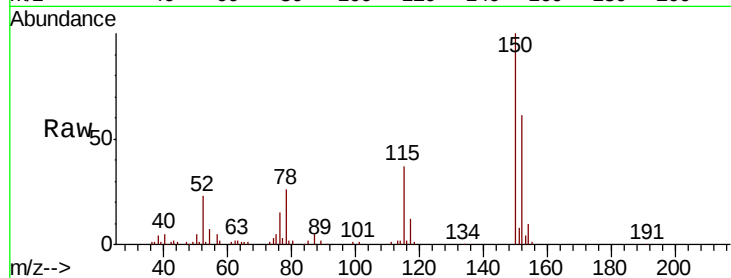


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 862  
Delta R.T. -0.02 min  
Lab File: BG039865.D  
Acq: 12 Mar 2019 7:36

Instrument :  
BNA\_G  
ClientSampleId :  
PB117792BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 164.7 | 123.7 | 185.5 |
| 115     | 61.5  | 45.9  | 68.9  |

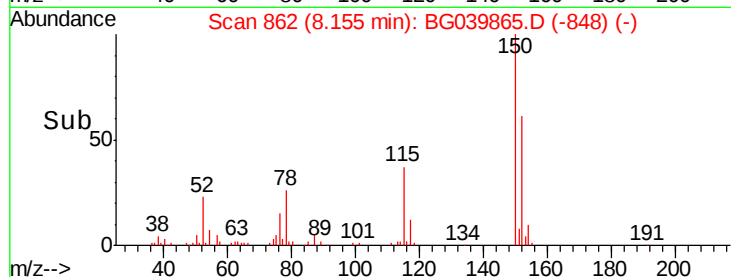
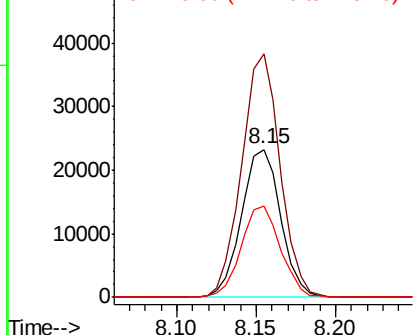


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

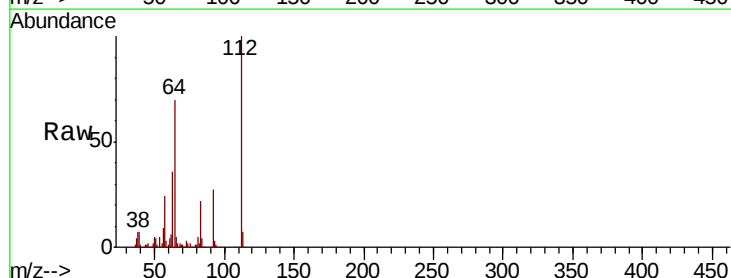
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 130.334 ng  
RT: 5.70 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: BG039865.D  
Acq: 12 Mar 2019 7:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.8  | 57.8  | 86.8  |
| 63      | 35.8  | 29.8  | 44.6  |

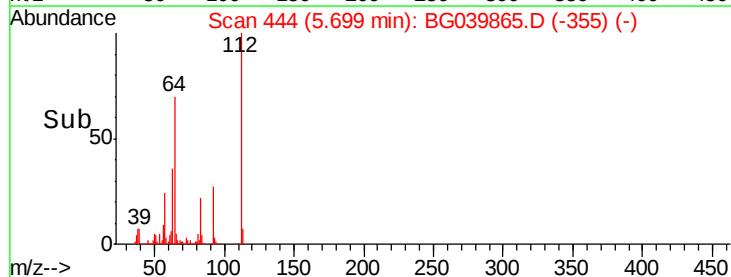
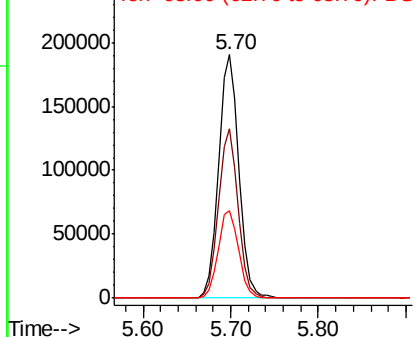


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 122.075 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039865.D

Acq: 12 Mar 2019 7:36

Instrument :

BNA\_G

ClientSampleId :

PB117792BL

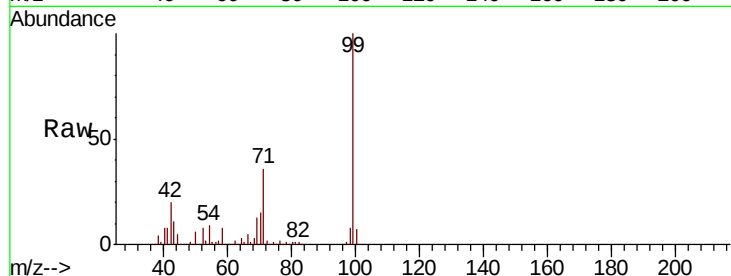
Tot Ion: 99 Resp: 425421

Ion Ratio Lower Upper

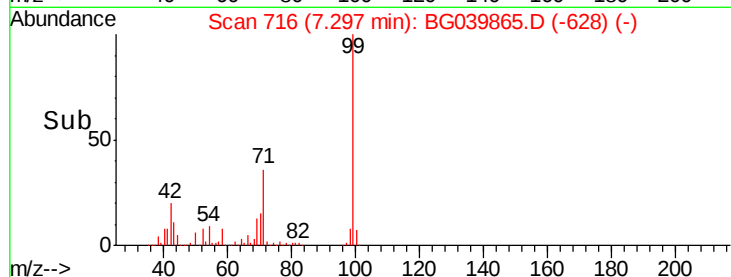
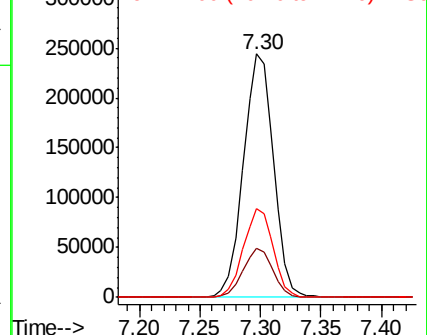
99 100

42 20.1 18.2 27.2

71 36.5 28.0 42.0



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: 10.97 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BG039865.D

Acq: 12 Mar 2019 7:36

Tgt Ion: 136 Resp: 165513

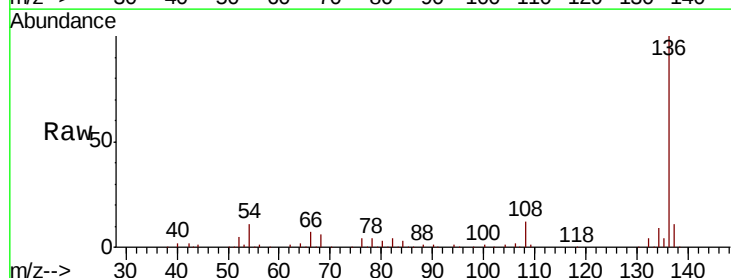
Ion Ratio Lower Upper

136 100

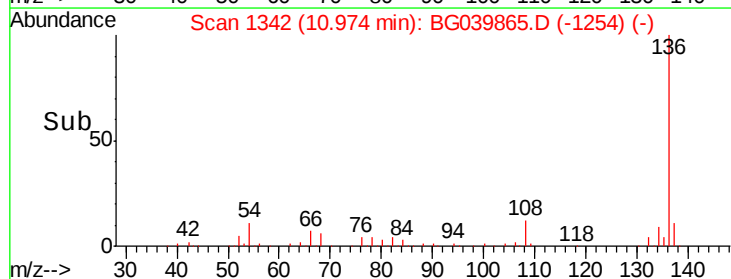
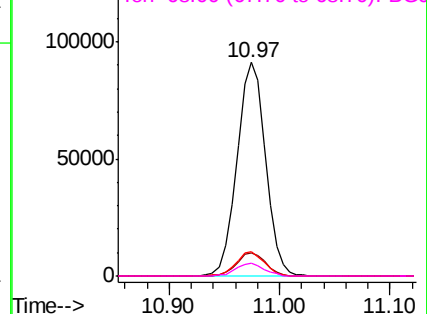
137 10.6 9.1 13.7

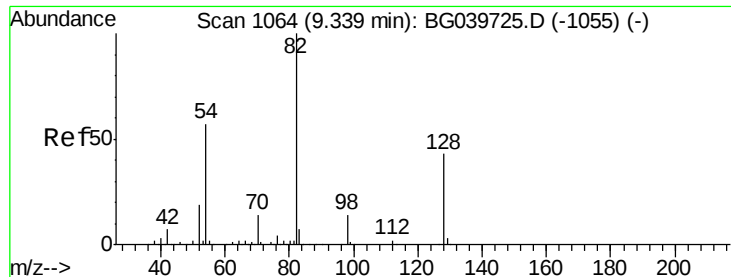
54 11.2 9.4 14.2

68 6.1 4.2 6.4



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

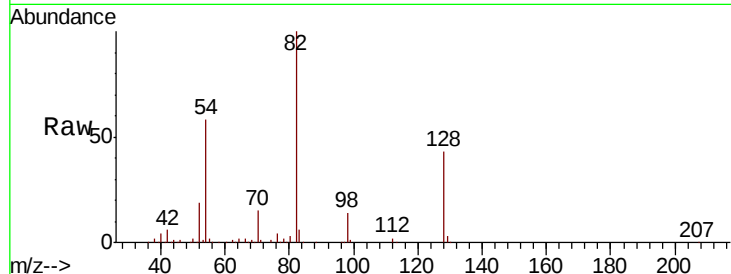




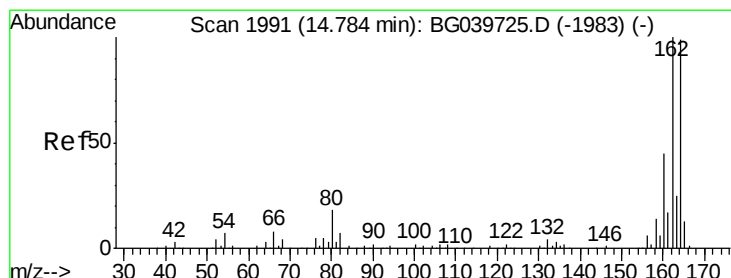
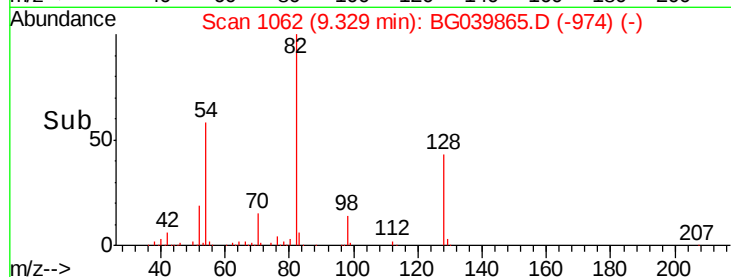
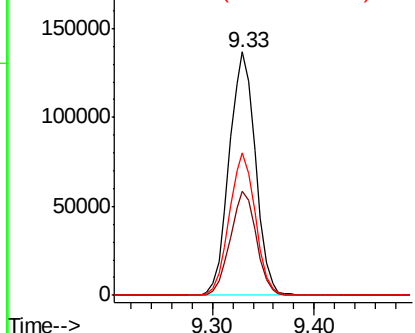
#23  
Nitrobenzene-d5  
Concen: 80.245 ng  
RT: 9.33 min Scan# 1062  
Delta R.T. -0.02 min  
Lab File: BG039865.D  
Acq: 12 Mar 2019 7:36

Instrument :  
BNA\_G  
ClientSampleId :  
PB117792BL

| Tot Ion   | 82    | Resp  | 245573 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.8  | 31.3  | 46.9   |
| 54        | 58.4  | 50.9  | 76.3   |

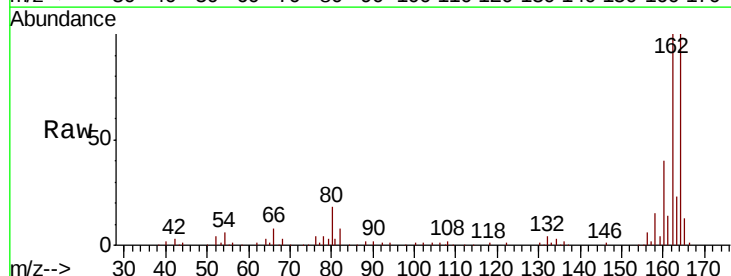


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

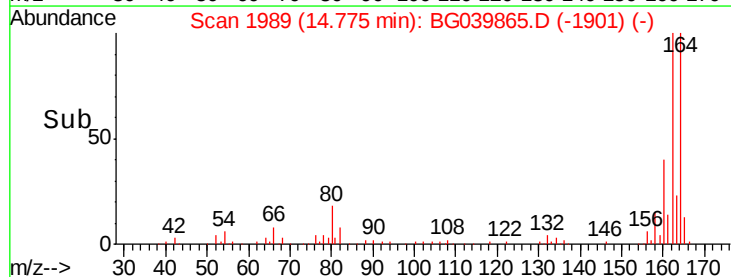
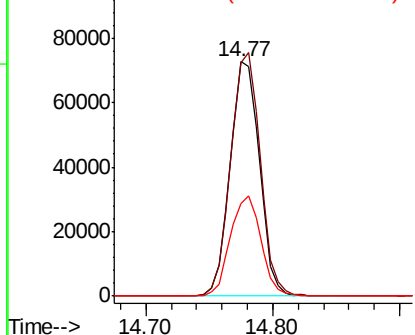


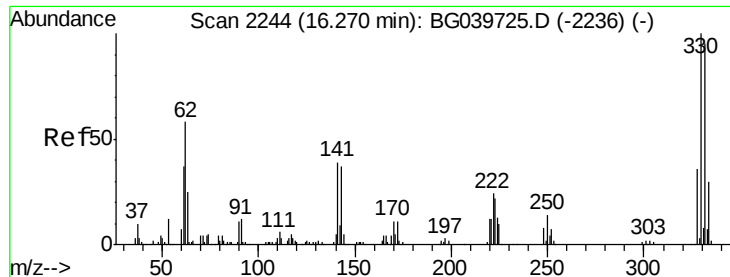
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.77 min Scan# 1989  
Delta R.T. -0.02 min  
Lab File: BG039865.D  
Acq: 12 Mar 2019 7:36

| Tgt Ion   | 164   | Resp  | 116087 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 99.8  | 81.6  | 122.4  |
| 160       | 39.7  | 34.2  | 51.2   |



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 117.187 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039865.D

Acq: 12 Mar 2019 7:36

Instrument :

BNA\_G

ClientSampleId :

PB117792BL

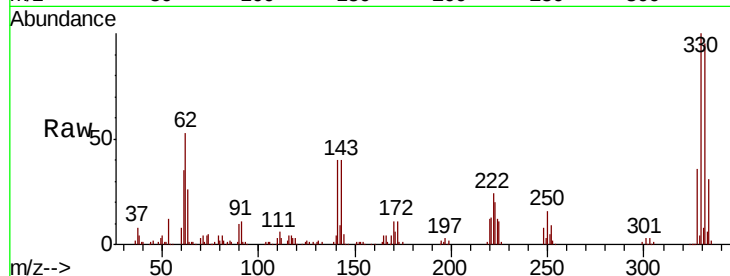
Tot Ion:330 Resp: 158563

Ion Ratio Lower Upper

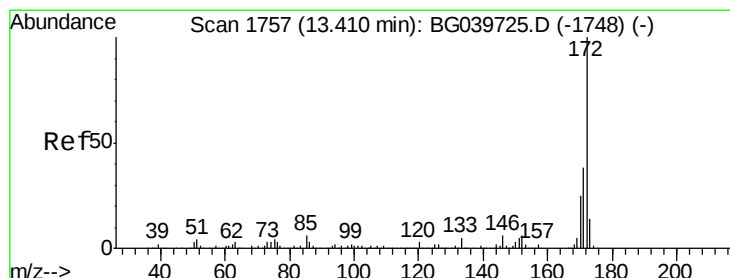
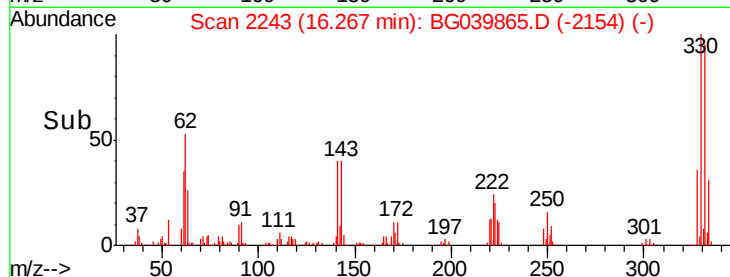
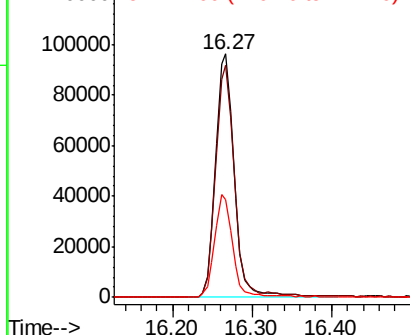
330 100

332 96.4 75.7 113.5

141 40.8 35.6 53.4



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: 78.128 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG039865.D

Acq: 12 Mar 2019 7:36

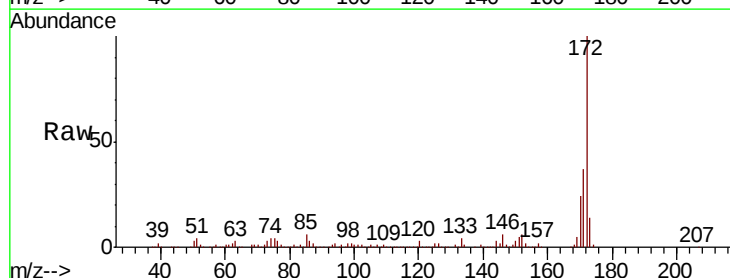
Tgt Ion:172 Resp: 636989

Ion Ratio Lower Upper

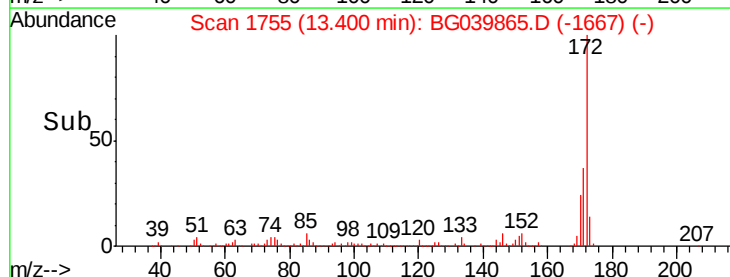
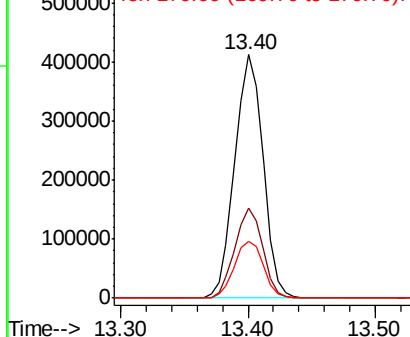
172 100

171 37.1 30.8 46.2

170 23.5 20.2 30.4



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

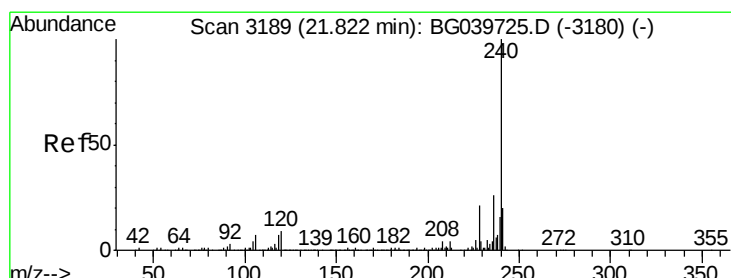
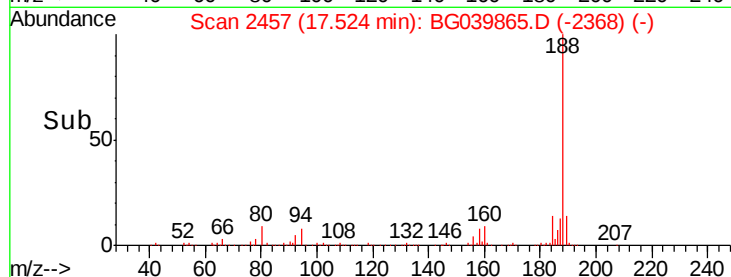
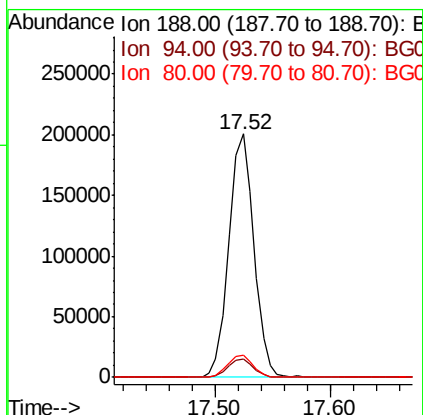
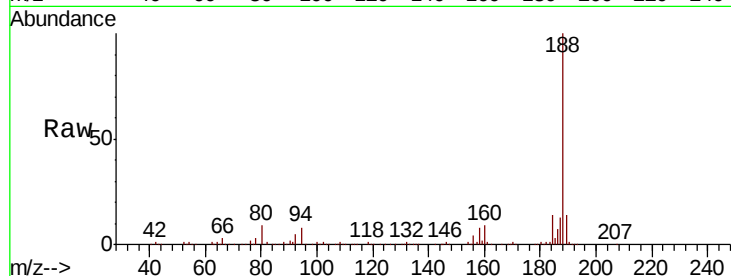




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.52 min Scan# 2457  
Delta R.T. -0.01 min  
Lab File: BG039865.D  
Acq: 12 Mar 2019 7:36

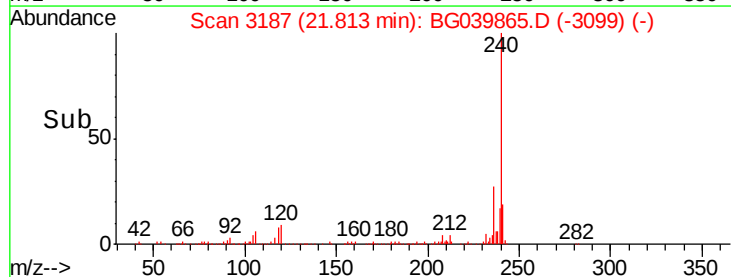
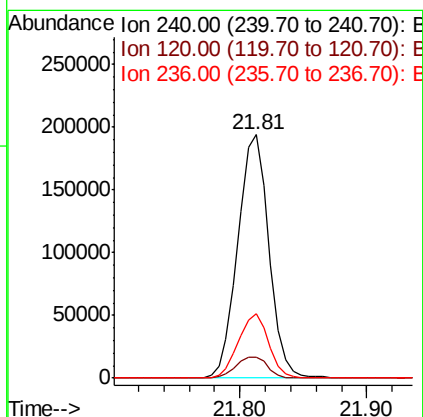
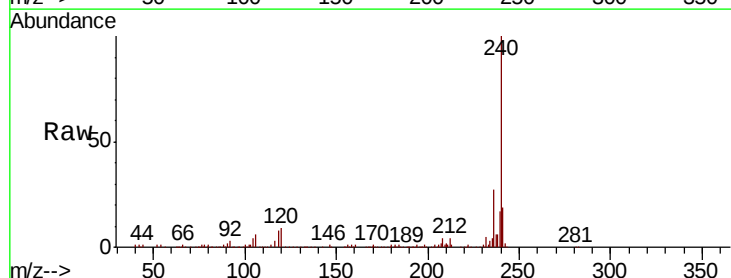
Instrument :  
BNA\_G  
ClientSampleId :  
PB117792BL

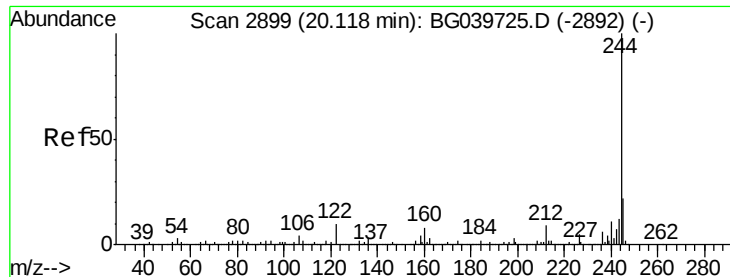
Tot Ion:188 Resp: 301773  
Ion Ratio Lower Upper  
188 100  
94 7.7 6.9 10.3  
80 9.1 8.1 12.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.81 min Scan# 3187  
Delta R.T. -0.02 min  
Lab File: BG039865.D  
Acq: 12 Mar 2019 7:36

Tgt Ion:240 Resp: 329779  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.0 10.6  
236 26.7 21.0 31.4





#79

Terphenyl-d14

Concen: 76.340 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039865.D

Acq: 12 Mar 2019 7:36

Instrument :

BNA\_G

ClientSampleId :

PB117792BL

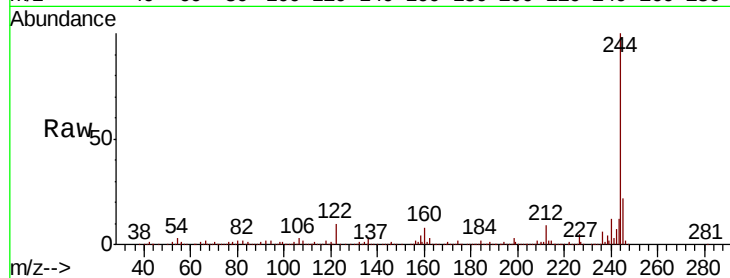
Tot Ion:244 Resp: 1143389

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

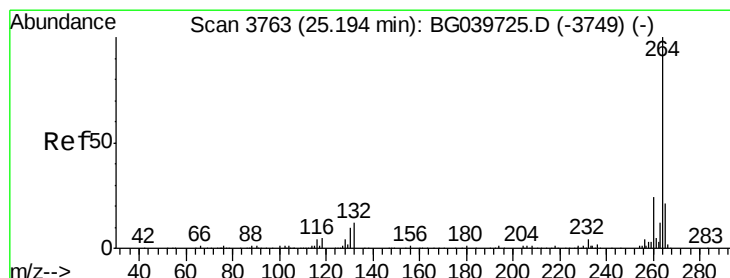
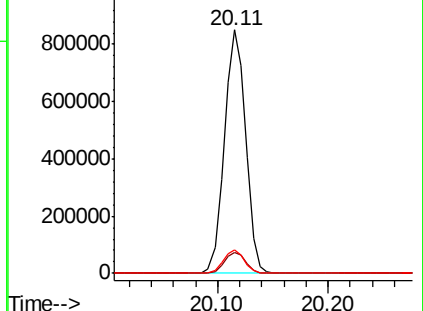
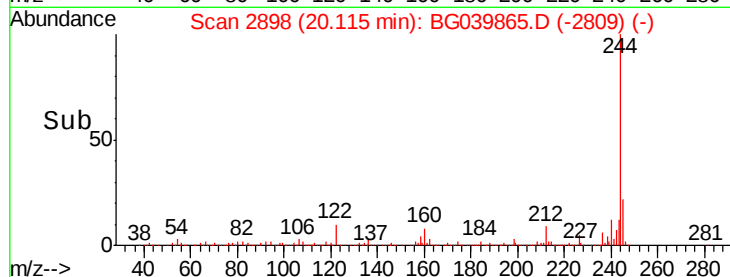
122 9.6 8.4 12.6



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: 25.18 min Scan# 3761

Delta R.T. -0.02 min

Lab File: BG039865.D

Acq: 12 Mar 2019 7:36

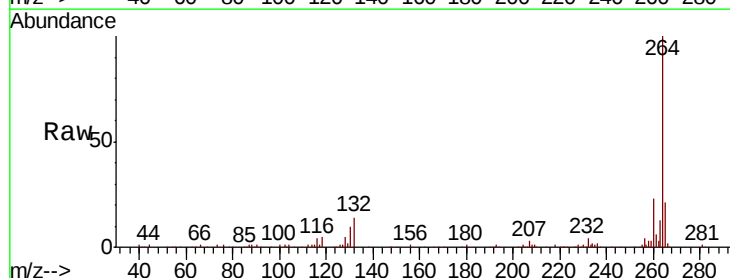
Tgt Ion:264 Resp: 318550

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 21.4 18.5 27.7



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

