

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\  
 Data File : BG040611.D  
 Acq On : 25 Apr 2019 15:29  
 Operator : JU/SJ  
 Sample : K2542-16  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11

Quant Time: Apr 26 00:15:05 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   | 8.16  | 152  | 43397    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 180017   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.79 | 164  | 131919   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.53 | 188  | 358509   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.82 | 240  | 403689   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.19 | 264  | 426522   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 320813   | 130.31 | ng    | 0.00     |
| 7) Phenol-d6                | 7.29  | 99   | 428236   | 112.97 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 378430   | 97.13  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.27 | 330  | 253058   | 139.56 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.41 | 172  | 782620   | 85.68  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.13 | 244  | 1737423  | 95.35  | ng    | 0.00     |

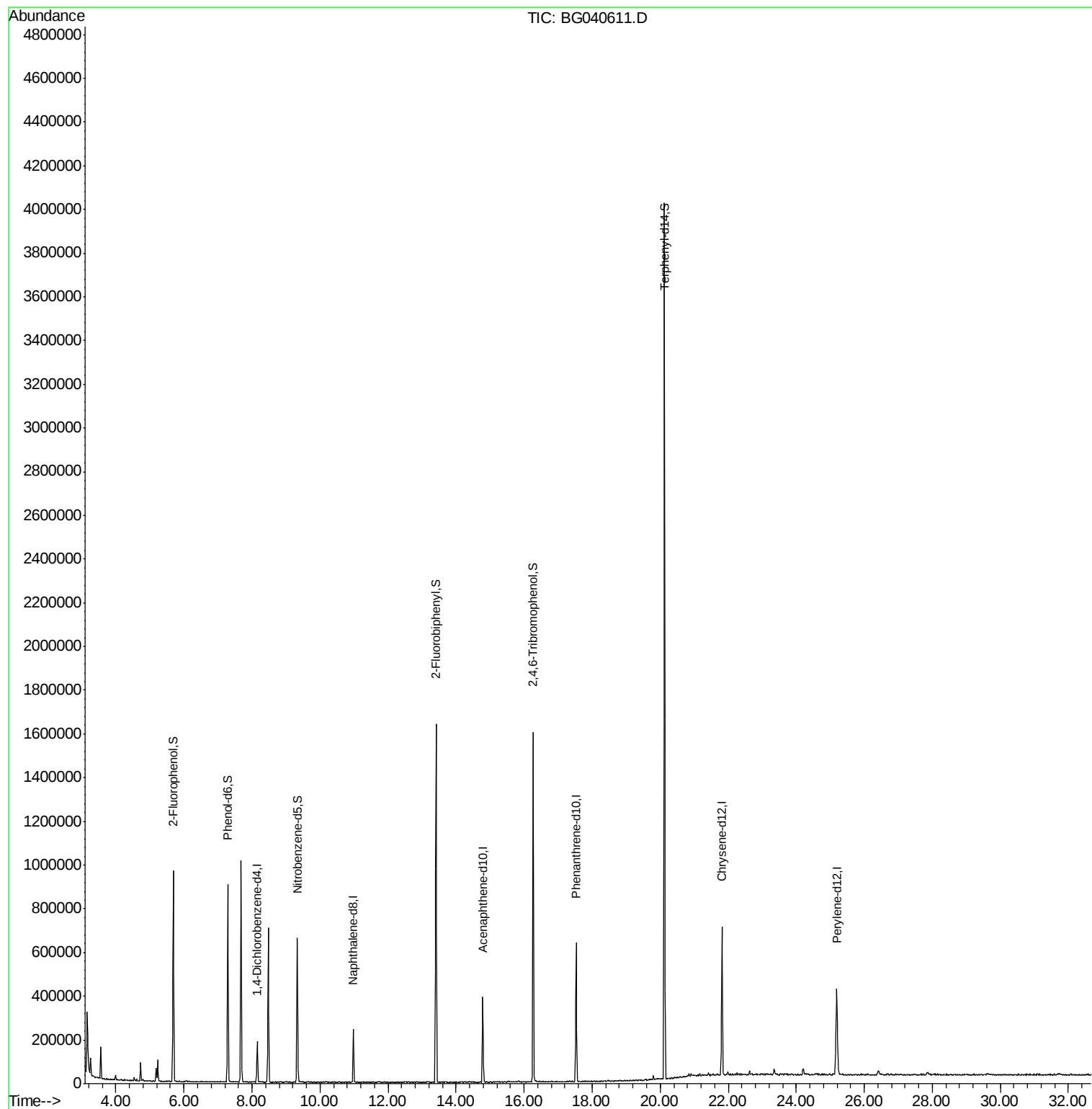
Target Compounds Qvalue

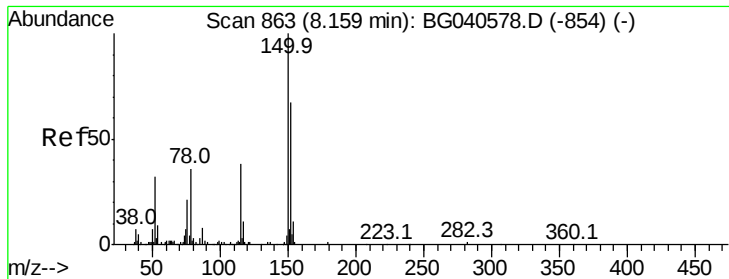
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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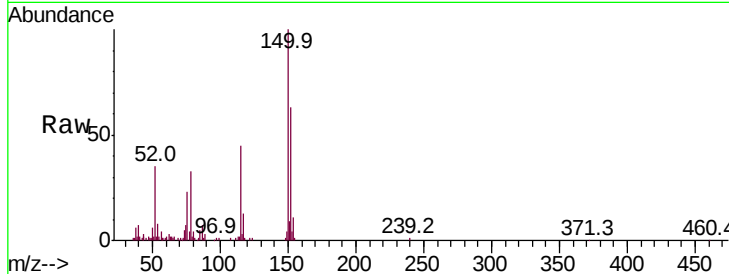


#1

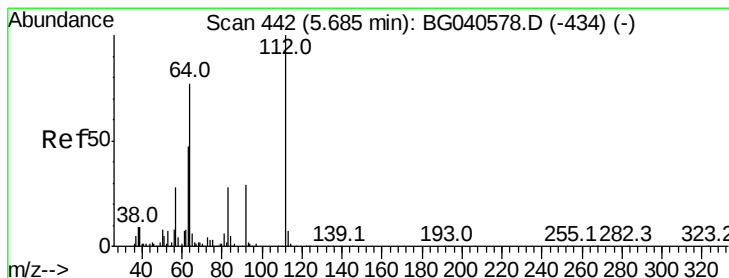
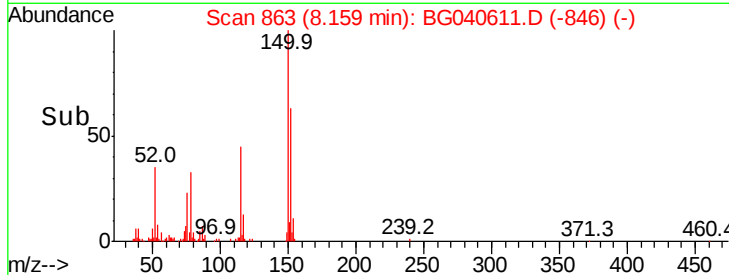
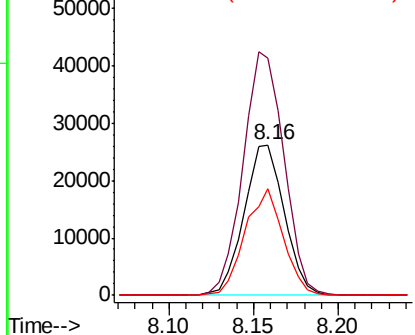
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: BG040611.D  
Acq: 25 Apr 2019 15:29

Instrument :  
BNA\_G  
ClientSampleId :  
TP-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.5 | 120.2 | 180.2 |
| 115     | 71.3  | 46.2  | 69.2  |



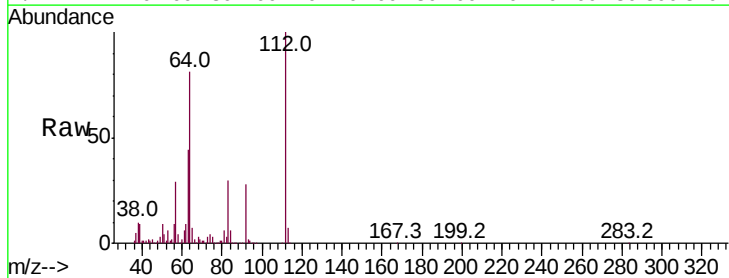
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



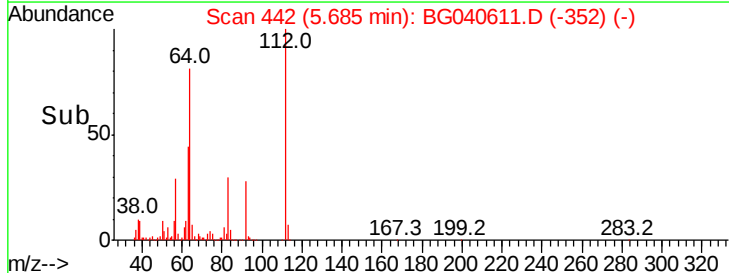
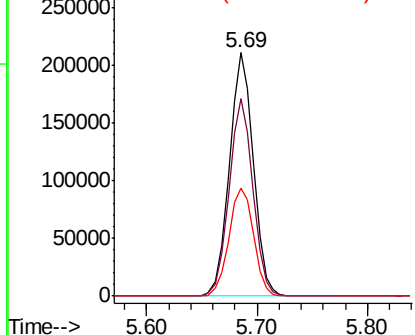
#5

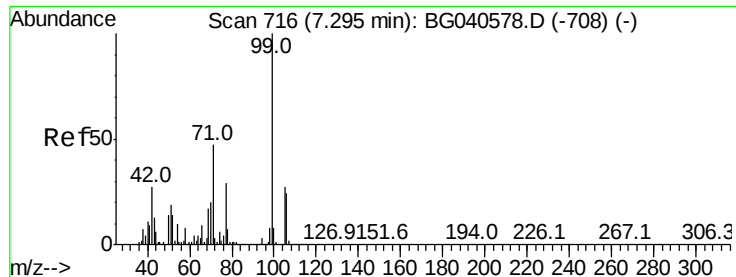
2-Fluorophenol  
Concen: 130.313 ng  
RT: 5.69 min Scan# 442  
Delta R.T. 0.00 min  
Lab File: BG040611.D  
Acq: 25 Apr 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 81.4  | 61.4  | 92.0  |
| 63      | 44.5  | 37.8  | 56.6  |



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: 112.974 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Instrument :

BNA\_G

ClientSampleId :

TP-11

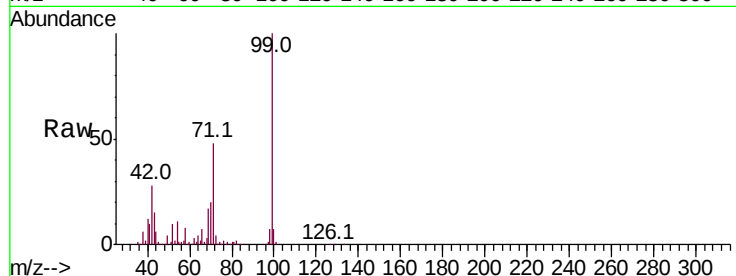
Tot Ion: 99 Resp: 428236

Ion Ratio Lower Upper

99 100

42 28.5 21.8 32.8

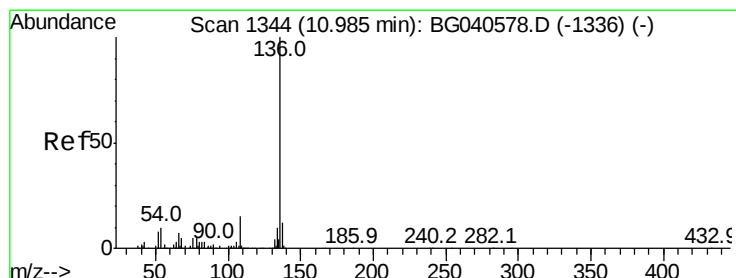
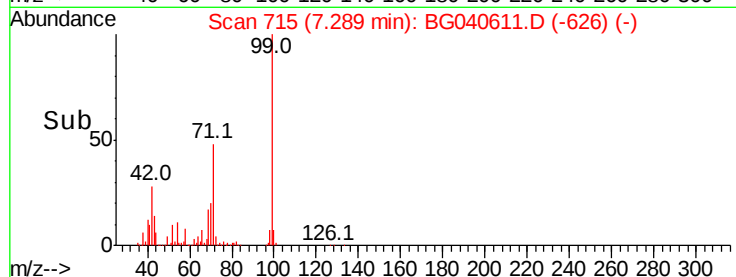
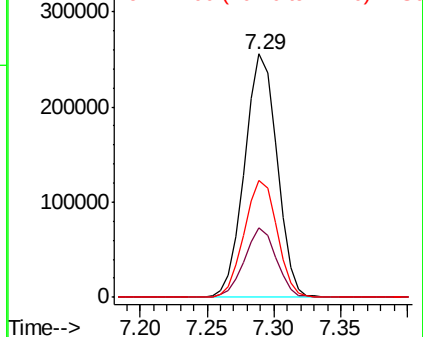
71 48.0 38.6 57.8



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: 10.98 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Tgt Ion: 136 Resp: 180017

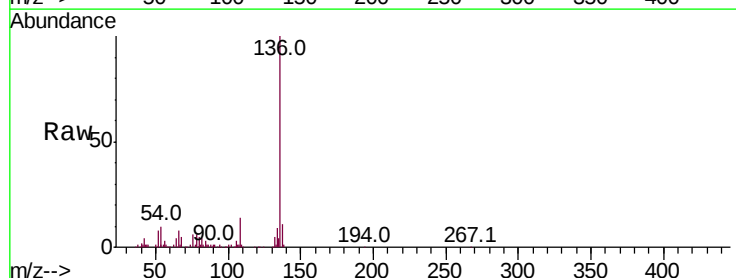
Ion Ratio Lower Upper

136 100

137 10.7 9.7 14.5

54 10.3 8.6 12.8

68 4.8 4.8 7.2

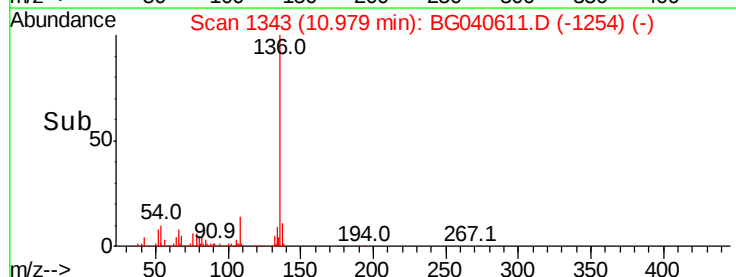
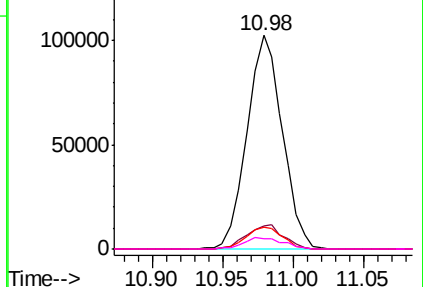


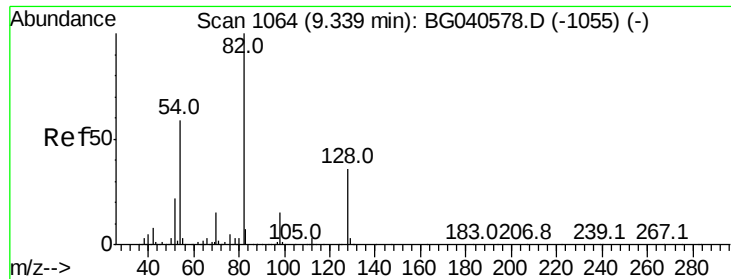
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

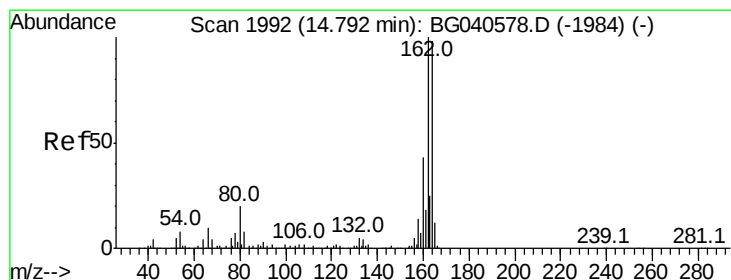
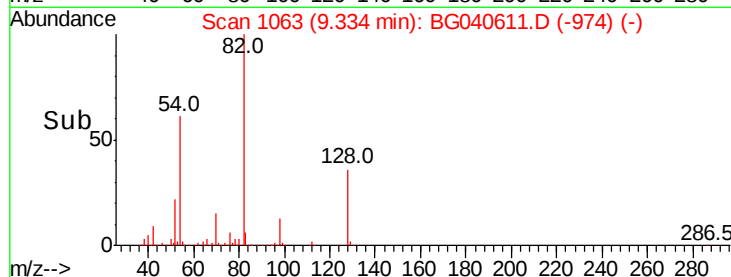
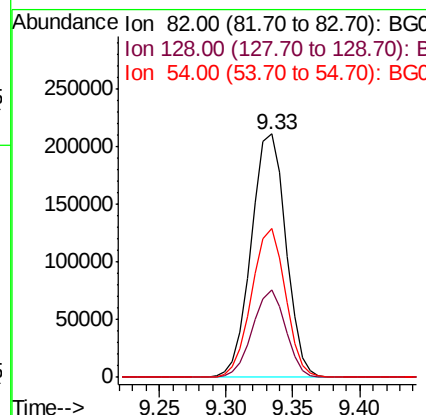
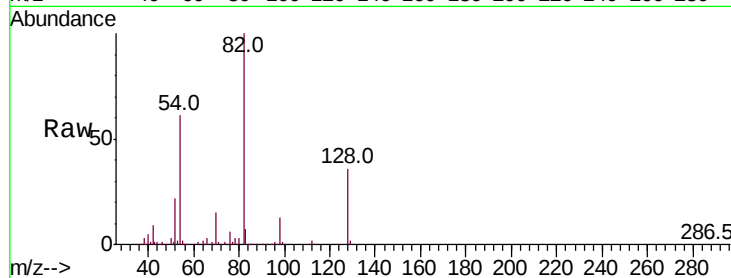




#23  
 Nitrobenzene-d5  
 Concen: 97.134 ng  
 RT: 9.33 min Scan# 1063  
 Delta R.T. -0.01 min  
 Lab File: BG040611.D  
 Acq: 25 Apr 2019 15:29

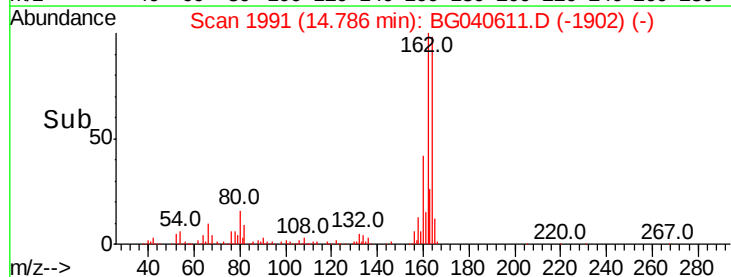
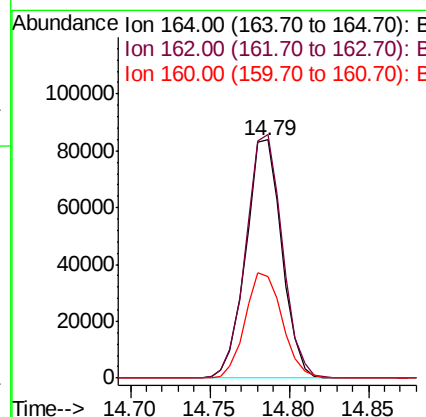
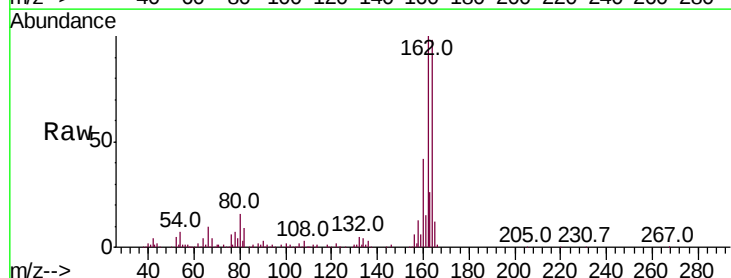
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11

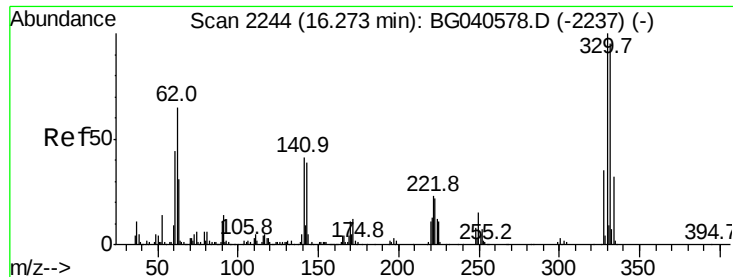
| Tot Ion   | 82    | Resp  | 378430 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.2  | 28.9  | 43.3   |
| 54        | 61.1  | 47.2  | 70.8   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.79 min Scan# 1991  
 Delta R.T. -0.01 min  
 Lab File: BG040611.D  
 Acq: 25 Apr 2019 15:29

| Tgt Ion   | 164   | Resp  | 131919 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.3 | 81.9  | 122.9  |
| 160       | 42.6  | 35.4  | 53.2   |





#42

2,4,6-Tribromophenol

Concen: 139.560 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Instrument :

BNA\_G

ClientSampleId :

TP-11

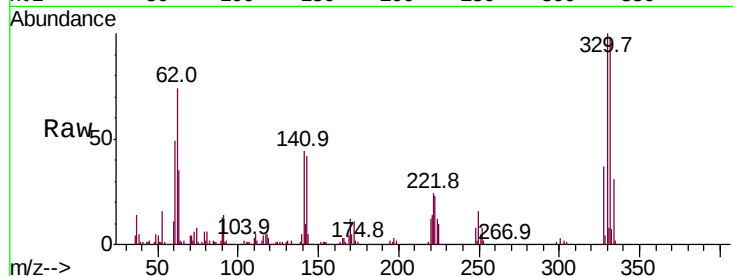
Tot Ion:330 Resp: 253058

Ion Ratio Lower Upper

330 100

332 98.7 75.9 113.9

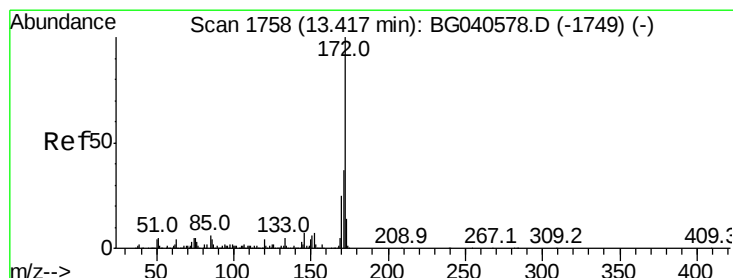
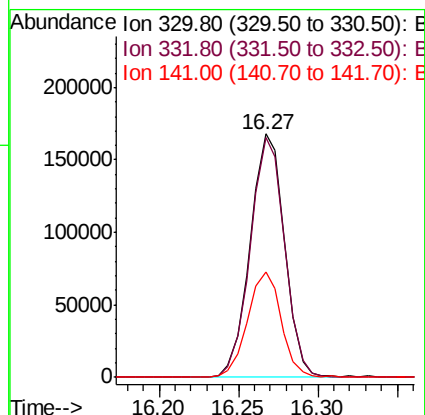
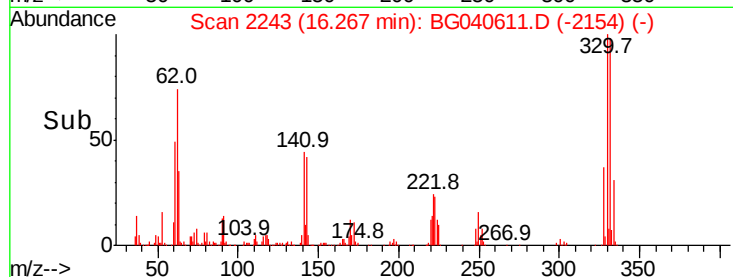
141 42.9 32.4 48.6



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: 85.678 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

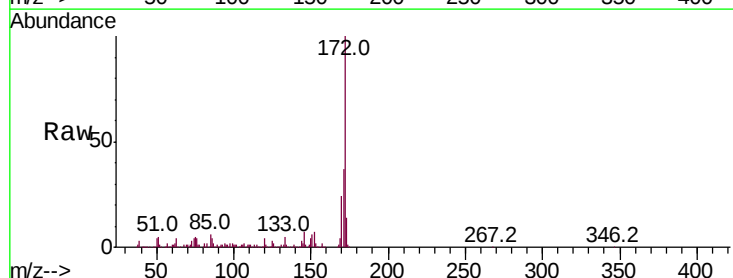
Tgt Ion:172 Resp: 782620

Ion Ratio Lower Upper

172 100

171 37.4 29.4 44.2

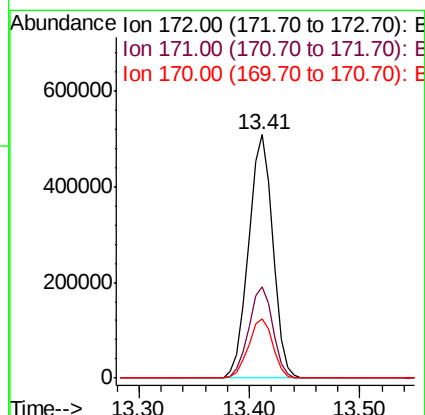
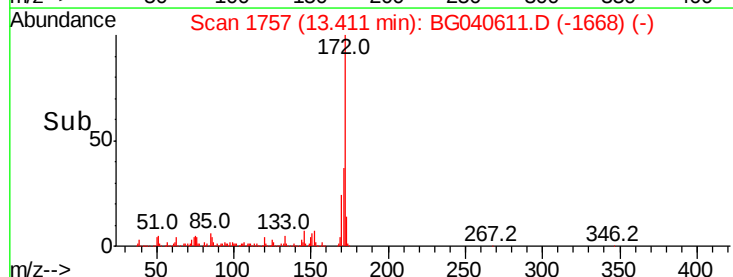
170 24.4 19.9 29.9

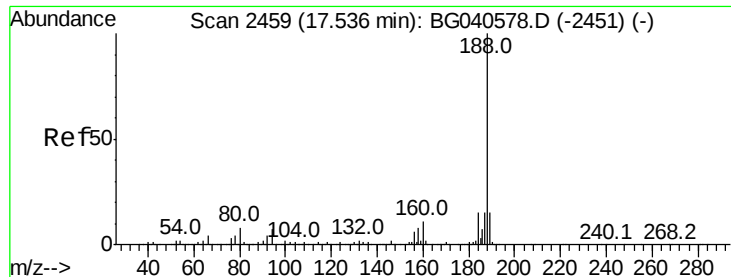


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Instrument :

BNA\_G

ClientSampleId :

TP-11

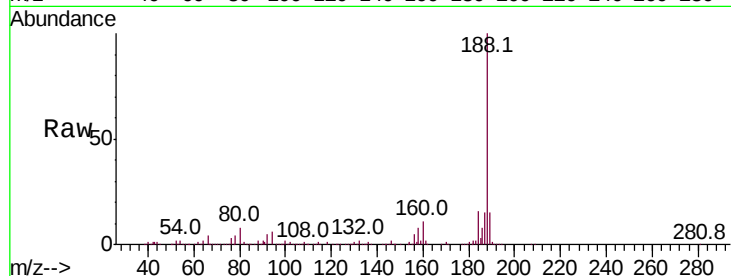
Tot Ion:188 Resp: 358509

Ion Ratio Lower Upper

188 100

94 5.9 5.6 8.4

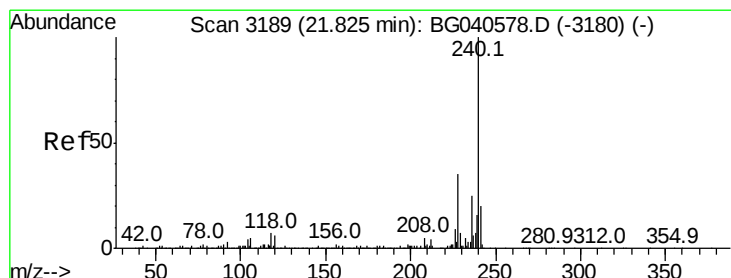
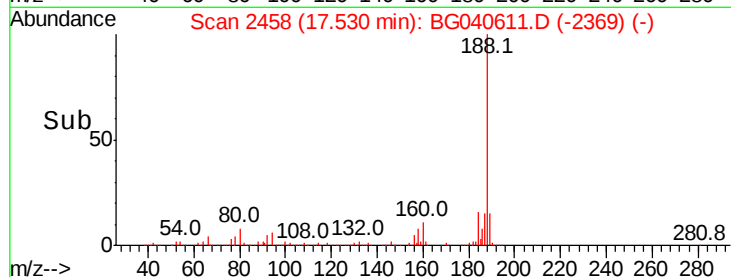
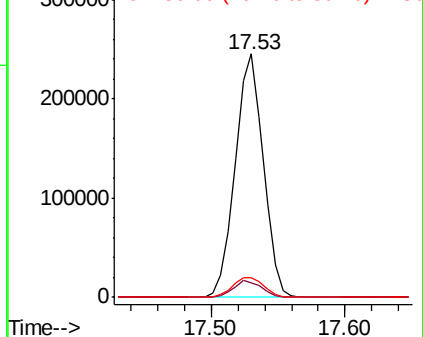
80 8.2 6.4 9.6



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: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

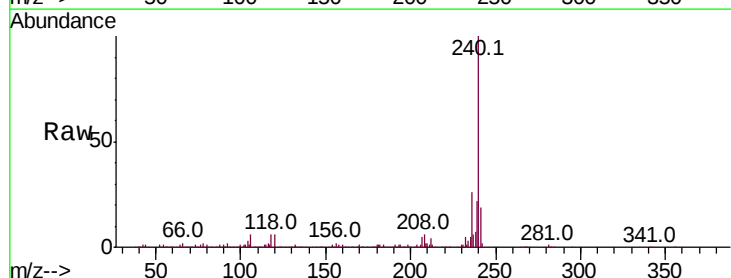
Tgt Ion:240 Resp: 403689

Ion Ratio Lower Upper

240 100

120 6.0 5.0 7.6

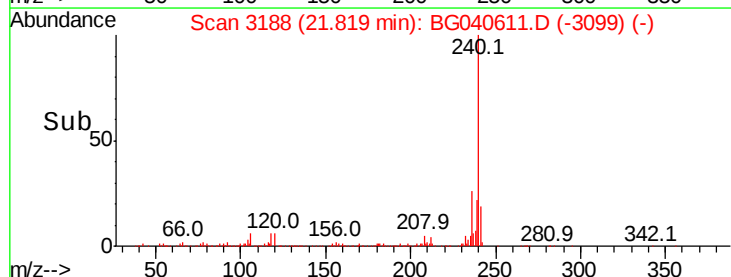
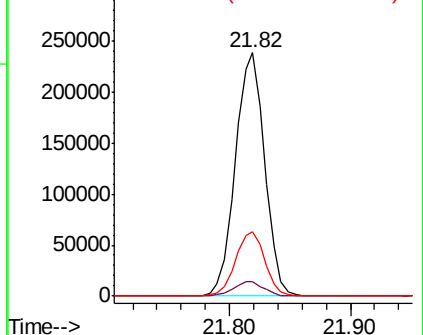
236 26.4 20.3 30.5

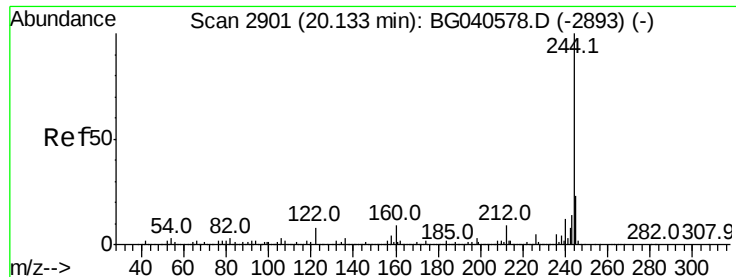


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



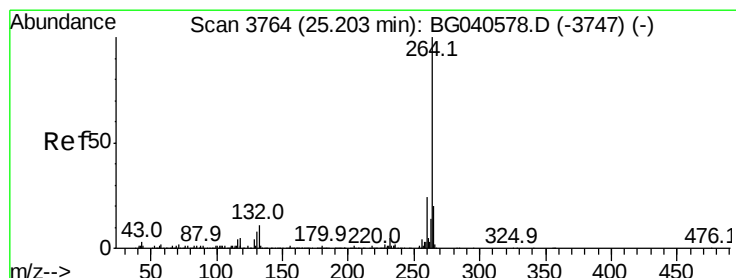
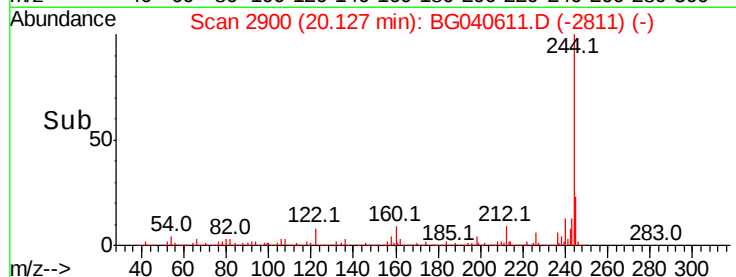
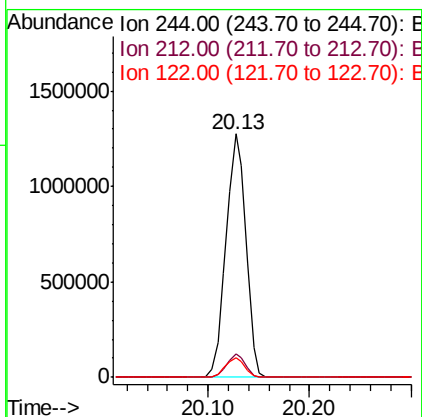
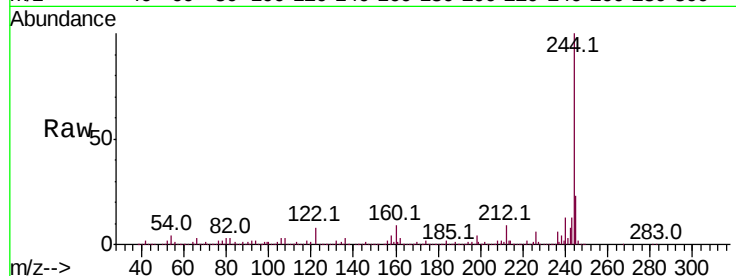


#79  
 Terphenyl-d14  
 Concen: 95.349 ng  
 RT: 20.13 min Scan# 2900  
 Delta R.T. -0.01 min  
 Lab File: BG040611.D  
 Acq: 25 Apr 2019 15:29

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Tot Ion:244 Resp: 1737423  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.5   | 7.2   | 10.8  |
| 122 | 8.2   | 6.6   | 10.0  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.19 min Scan# 3762  
 Delta R.T. -0.01 min  
 Lab File: BG040611.D  
 Acq: 25 Apr 2019 15:29

Tgt Ion:264 Resp: 426522  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 21.7  | 19.2  | 28.8  |
| 265 | 21.0  | 16.6  | 25.0  |

