

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\  
 Data File : BG040027.D  
 Acq On : 20 Mar 2019 7:14  
 Operator : JU/SJ  
 Sample : K1693-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-031819-B

Quant Time: Mar 20 08:59:34 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  | 32728    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.96 | 136  | 134950   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 14.77 | 164  | 89044    | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.52 | 188  | 243218   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.80 | 240  | 263953   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 25.16 | 264  | 259847   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 261052   | 136.08 | ng    | -0.02    |
| 7) Phenol-d6                | 7.29  | 99   | 346096   | 120.99 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 254233   | 101.89 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.26 | 330  | 164493   | 158.49 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.39 | 172  | 570763   | 91.27  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.11 | 244  | 1159692  | 96.74  | ng    | -0.02    |

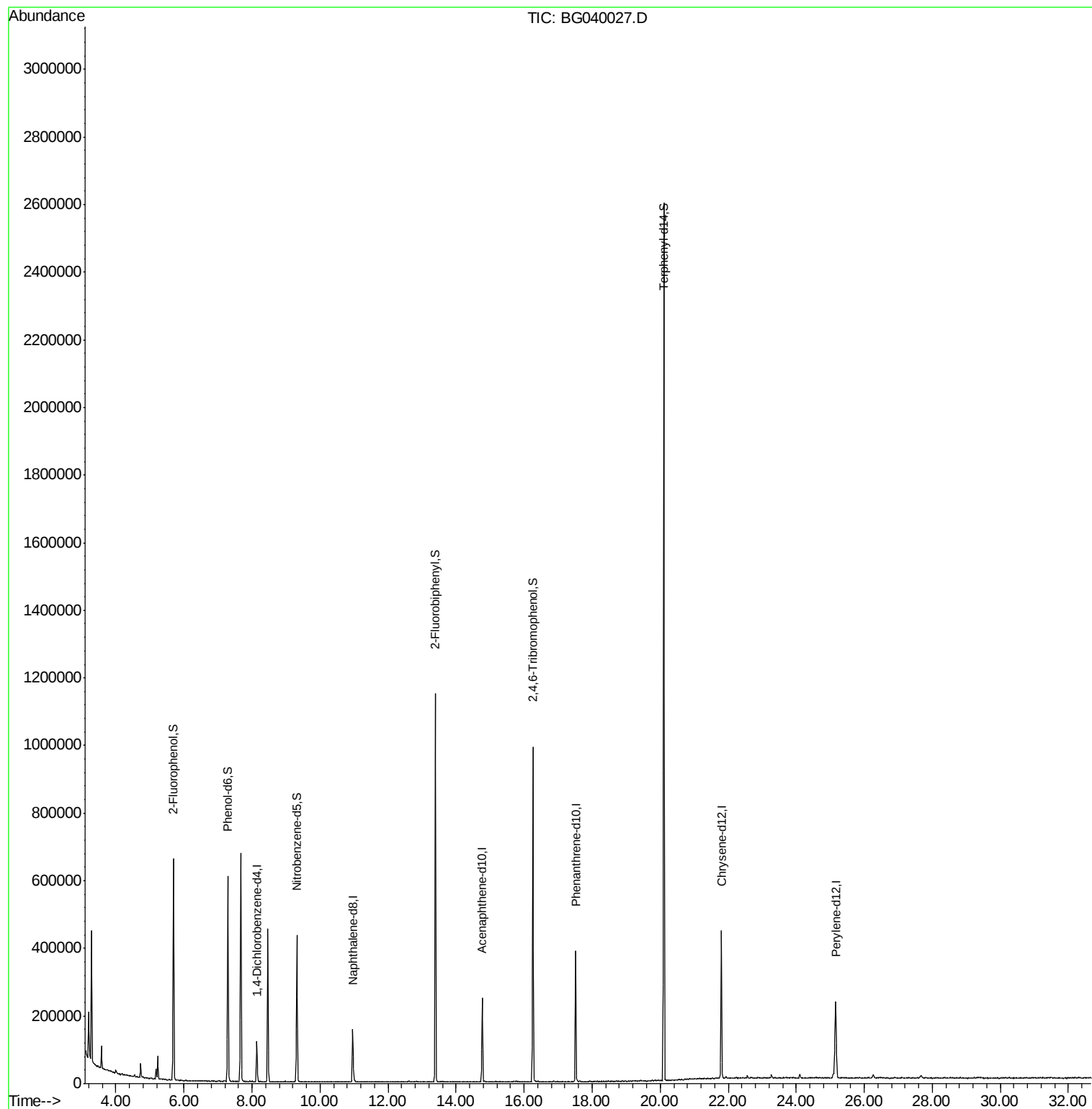
Target Compounds Qvalue

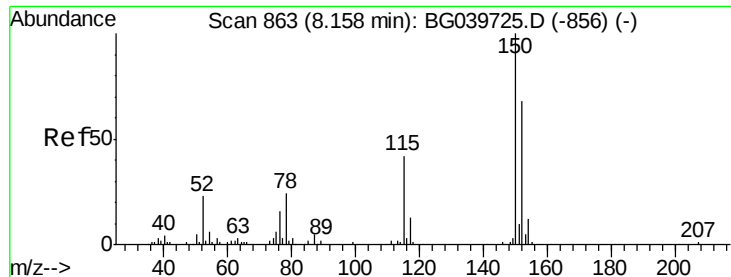
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-031819-B

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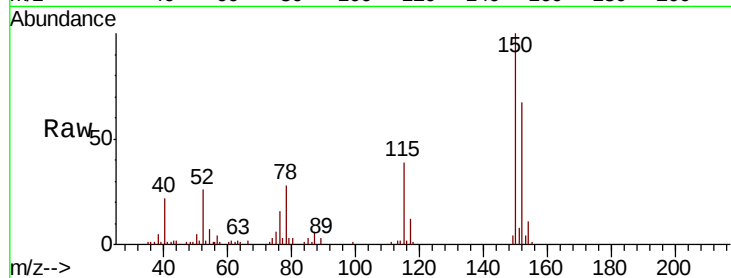


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 861  
Delta R.T. -0.02 min  
Lab File: BG040027.D  
Acq: 20 Mar 2019 7:14

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-031819-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.9 | 123.7 | 185.5 |
| 115     | 58.0  | 45.9  | 68.9  |

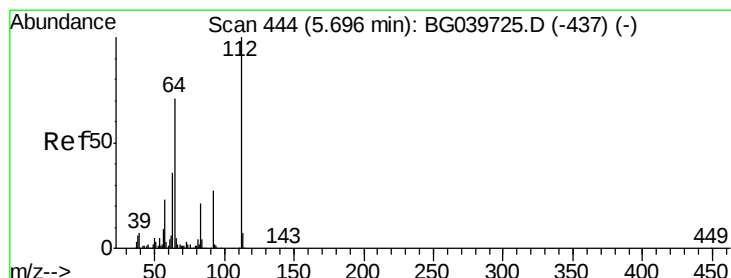
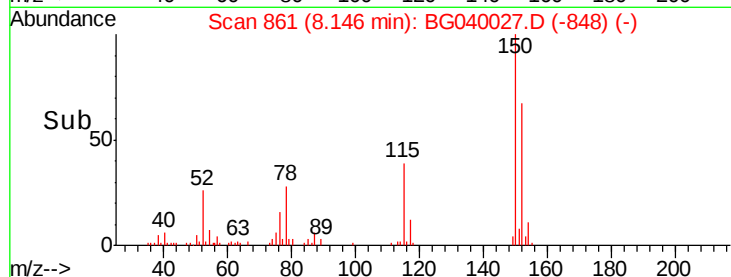
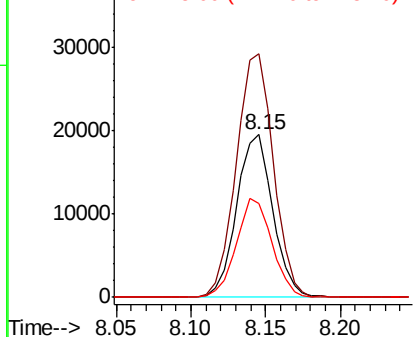


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

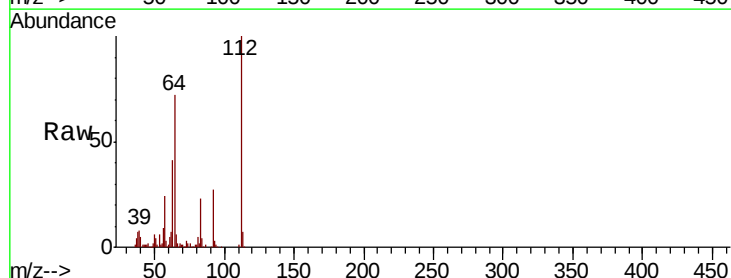
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 136.078 ng  
RT: 5.69 min Scan# 443  
Delta R.T. -0.02 min  
Lab File: BG040027.D  
Acq: 20 Mar 2019 7:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 72.2  | 57.8  | 86.8  |
| 63      | 40.8  | 29.8  | 44.6  |

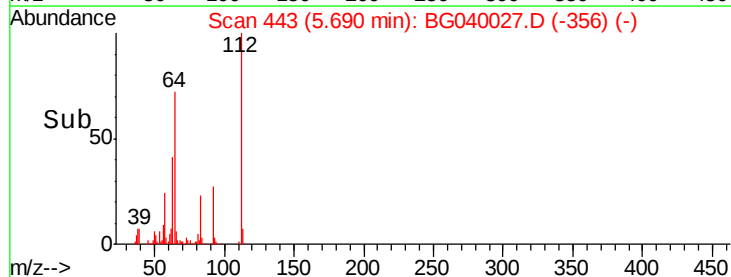
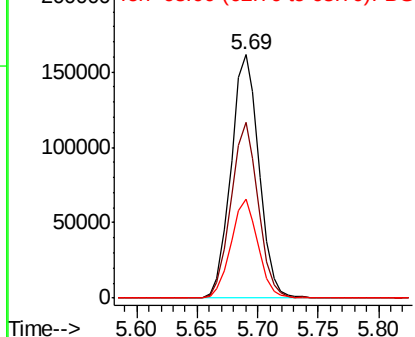


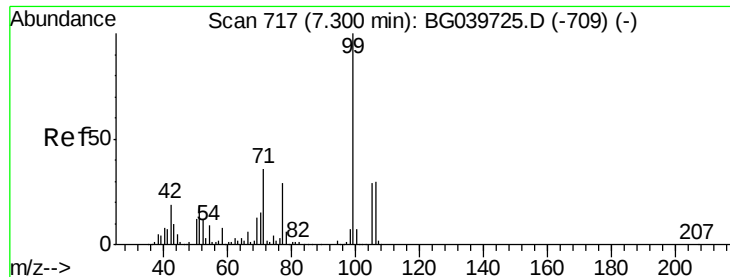
Abundance

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: 120.994 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040027.D

Acq: 20 Mar 2019 7:14

Instrument :

BNA\_G

ClientSampleId :

OR-03-031819-B

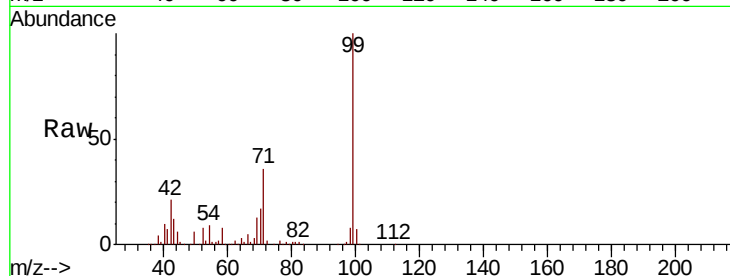
Tot Ion: 99 Resp: 346096

Ion Ratio Lower Upper

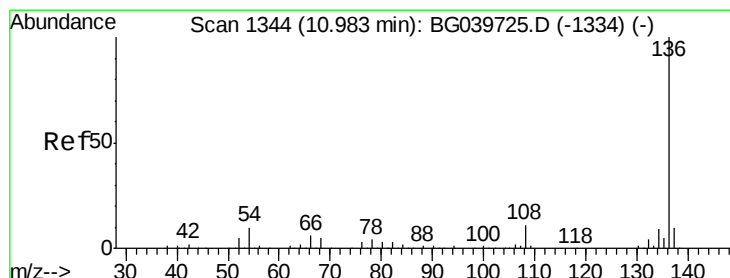
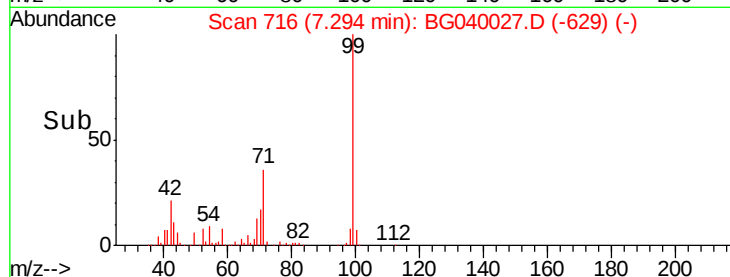
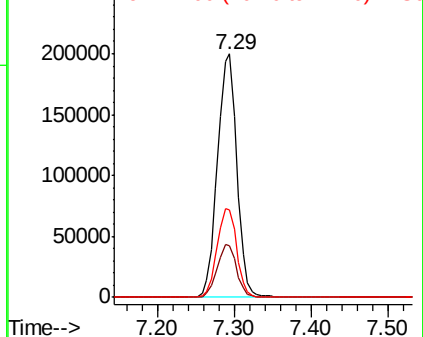
99 100

42 21.3 18.2 27.2

71 35.9 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: 10.96 min Scan# 1340

Delta R.T. -0.03 min

Lab File: BG040027.D

Acq: 20 Mar 2019 7:14

Tgt Ion: 136 Resp: 134950

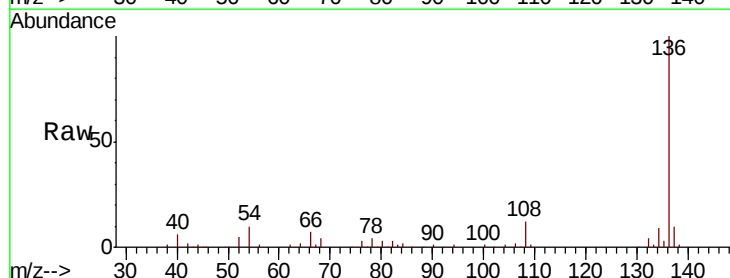
Ion Ratio Lower Upper

136 100

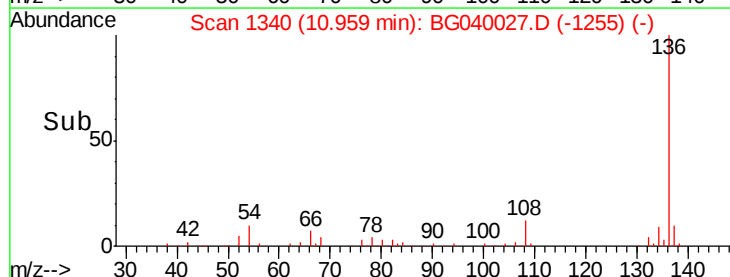
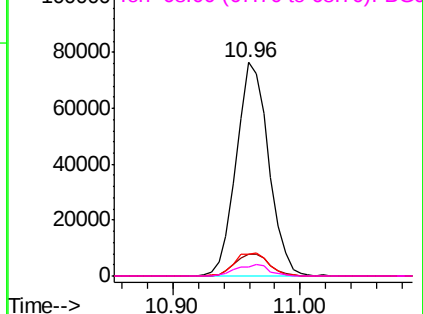
137 10.0 9.1 13.7

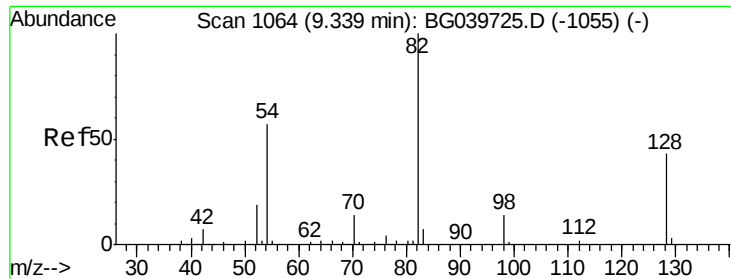
54 10.5 9.4 14.2

68 4.1 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

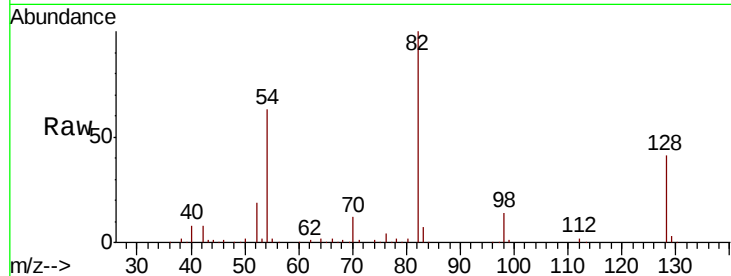




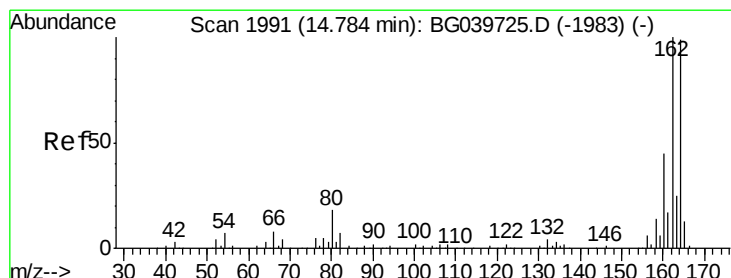
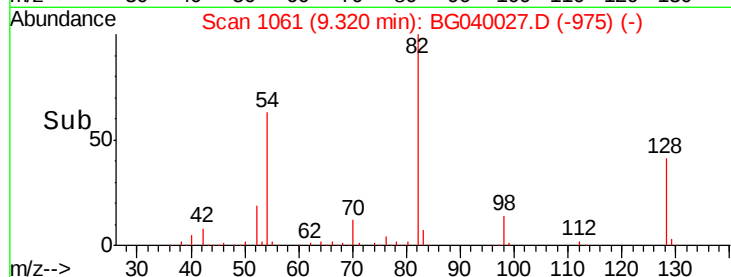
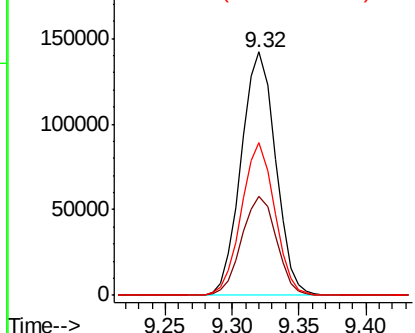
#23  
 Nitrobenzene-d5  
 Concen: 101.889 ng  
 RT: 9.32 min Scan# 1061  
 Delta R.T. -0.02 min  
 Lab File: BG040027.D  
 Acq: 20 Mar 2019 7:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-031819-B

| Tot Ion   | 82    | Resp  | 254233 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.8  | 31.3  | 46.9   |
| 54        | 62.7  | 50.9  | 76.3   |

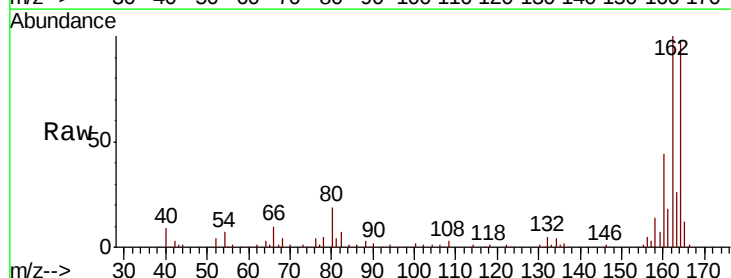


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

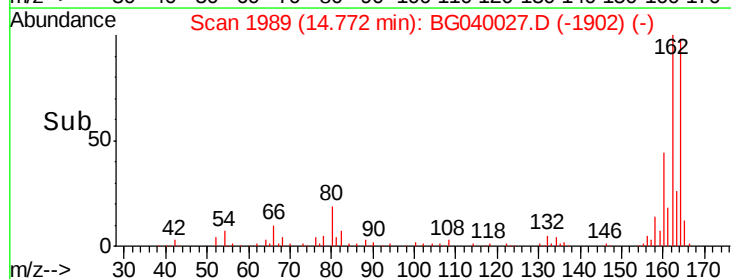
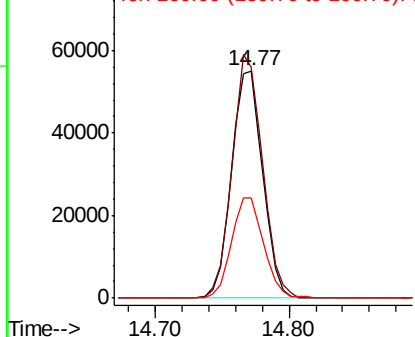


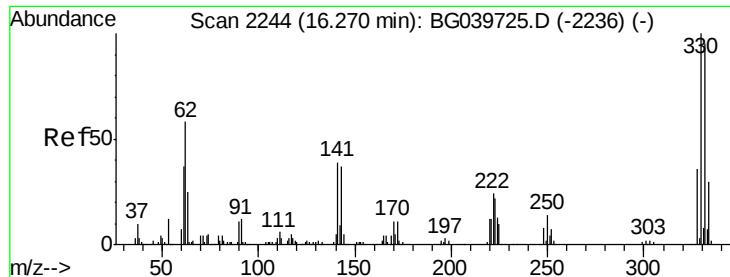
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.77 min Scan# 1989  
 Delta R.T. -0.02 min  
 Lab File: BG040027.D  
 Acq: 20 Mar 2019 7:14

| Tgt Ion   | 164   | Resp  | 89044 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 101.7 | 81.6  | 122.4 |
| 160       | 44.3  | 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: 158.490 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040027.D

Acq: 20 Mar 2019 7:14

Instrument :

BNA\_G

ClientSampleId :

OR-03-031819-B

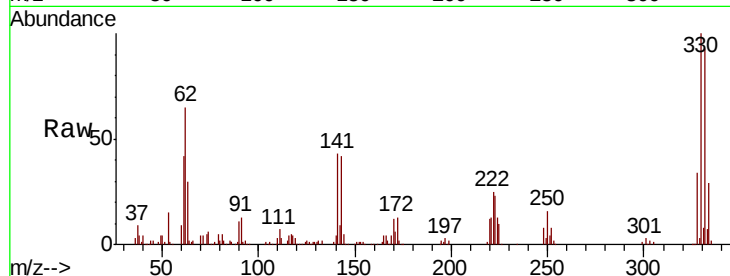
Tot Ion:330 Resp: 164493

Ion Ratio Lower Upper

330 100

332 94.5 75.7 113.5

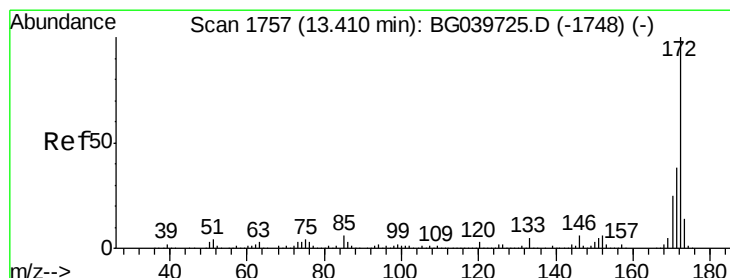
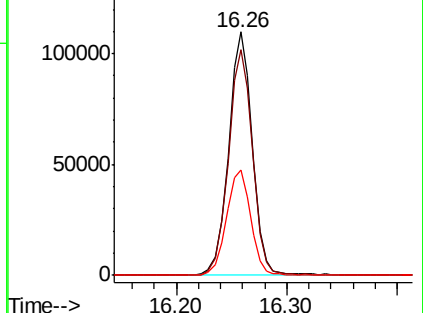
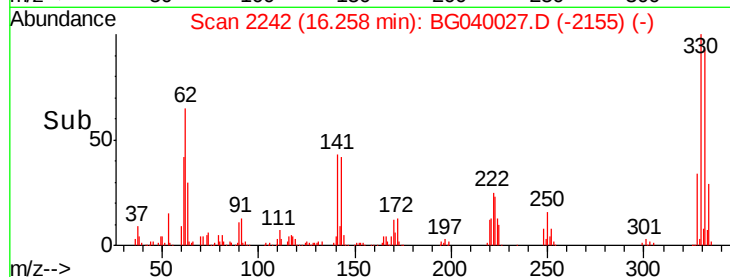
141 44.4 35.6 53.4



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: 91.266 ng

RT: 13.39 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BG040027.D

Acq: 20 Mar 2019 7:14

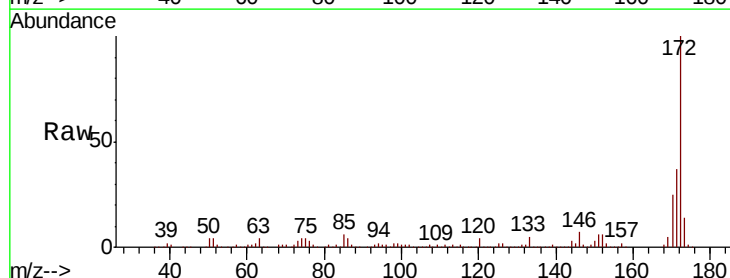
Tgt Ion:172 Resp: 570763

Ion Ratio Lower Upper

172 100

171 36.8 30.8 46.2

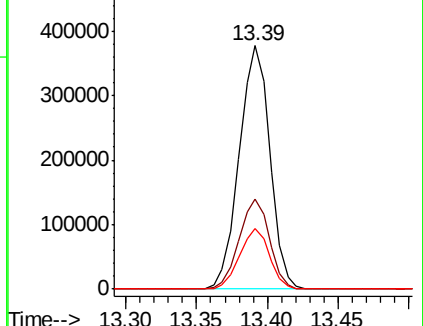
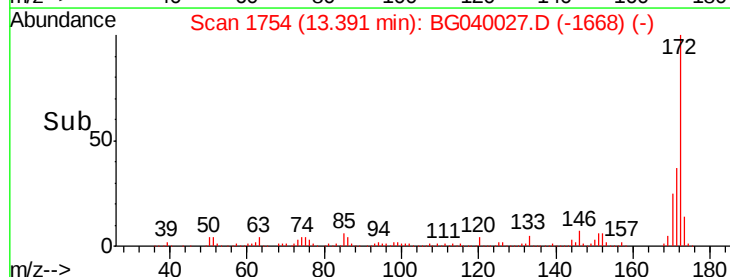
170 24.8 20.2 30.4

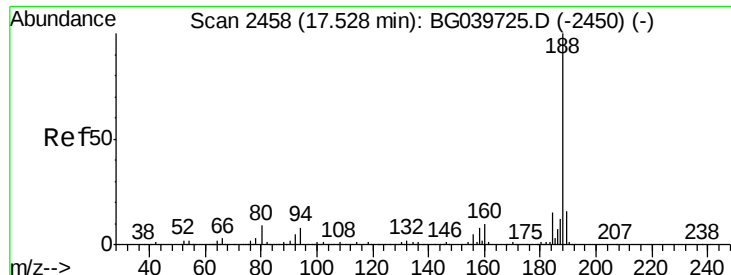


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

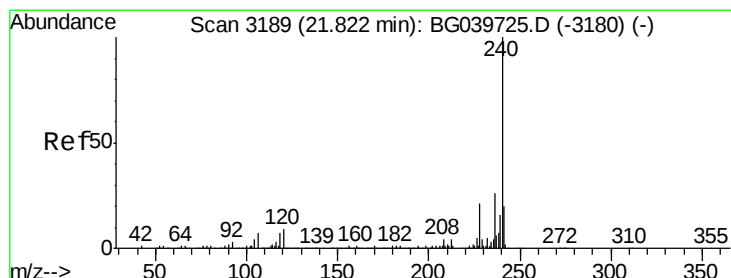
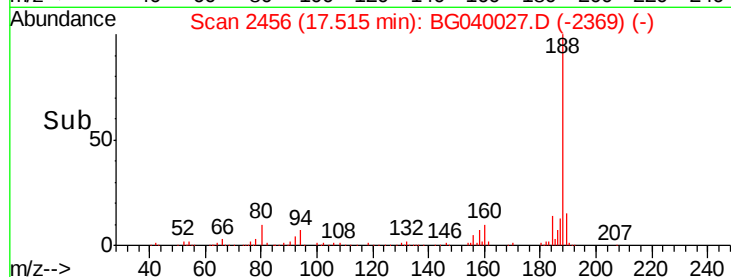
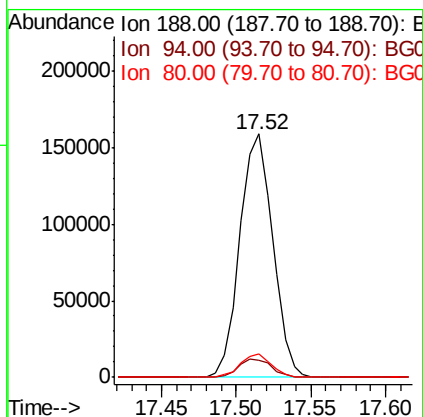
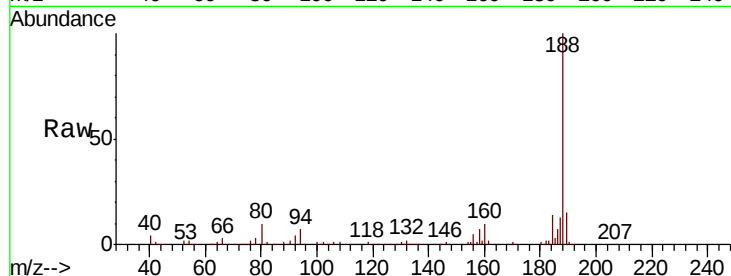




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.52 min Scan# 2456  
Delta R.T. -0.02 min  
Lab File: BG040027.D  
Acq: 20 Mar 2019 7:14

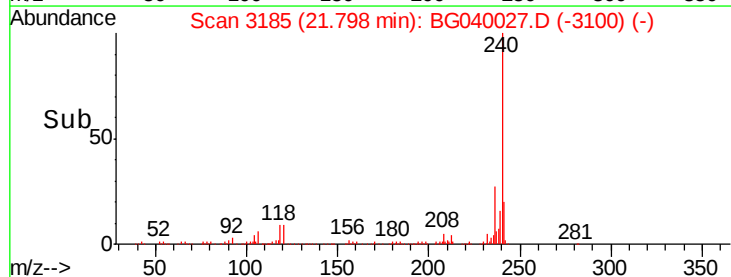
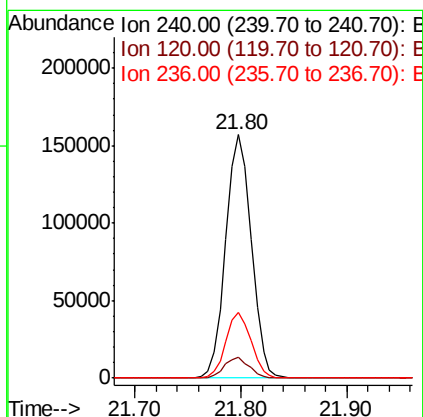
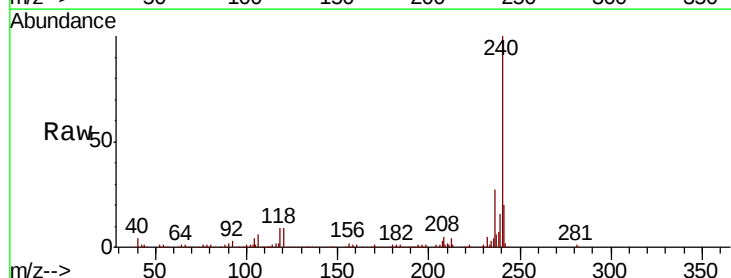
Instrument :  
BNA\_G  
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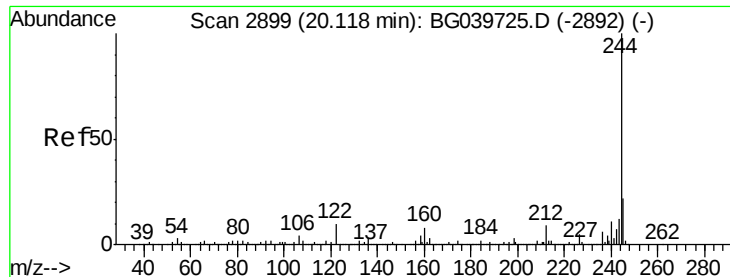
Tot Ion:188 Resp: 243218  
Ion Ratio Lower Upper  
188 100  
94 7.2 6.9 10.3  
80 9.5 8.1 12.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.80 min Scan# 3185  
Delta R.T. -0.03 min  
Lab File: BG040027.D  
Acq: 20 Mar 2019 7:14

Tgt Ion:240 Resp: 263953  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.0 10.6  
236 26.7 21.0 31.4





#79

Terphenyl-d14

Concen: 96.738 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040027.D

Acq: 20 Mar 2019 7:14

Instrument :

BNA\_G

ClientSampleId :

OR-03-031819-B

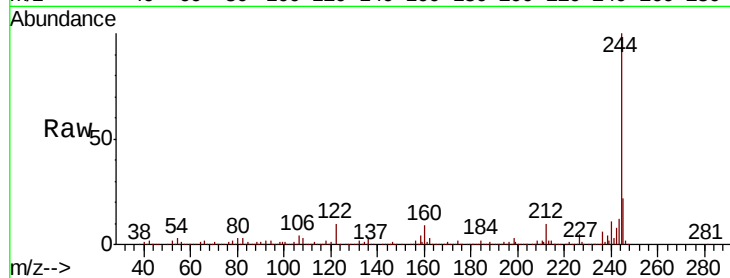
Tot Ion:244 Resp: 1159692

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.6   | 7.3   | 10.9  |
| 122 | 9.9   | 8.4   | 12.6  |

244 100

212 9.6 7.3 10.9

122 9.9 8.4 12.6

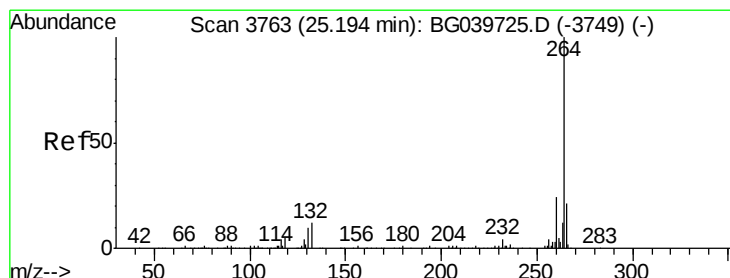
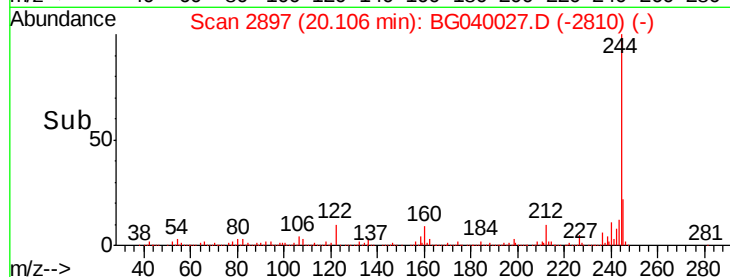
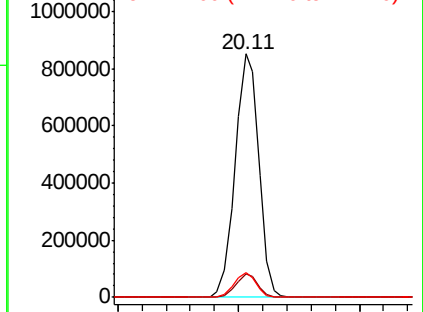


Abundance

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: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040027.D

Acq: 20 Mar 2019 7:14

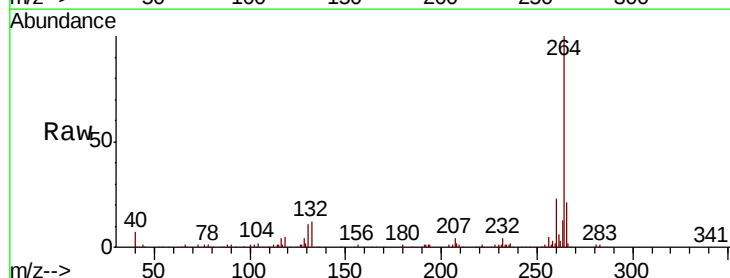
Tgt Ion:264 Resp: 259847

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.2  | 27.4  |
| 265 | 21.3  | 18.5  | 27.7  |

264 100

260 23.1 18.2 27.4

265 21.3 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

