

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\  
 Data File : BG041704.D  
 Acq On : 18 Jul 2019 1:28  
 Operator : HP/JU  
 Sample : K3835-28  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-10(8-10)

Quant Time: Jul 18 07:54:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 15 16:16:21 2019  
 Response via : Initial Calibration

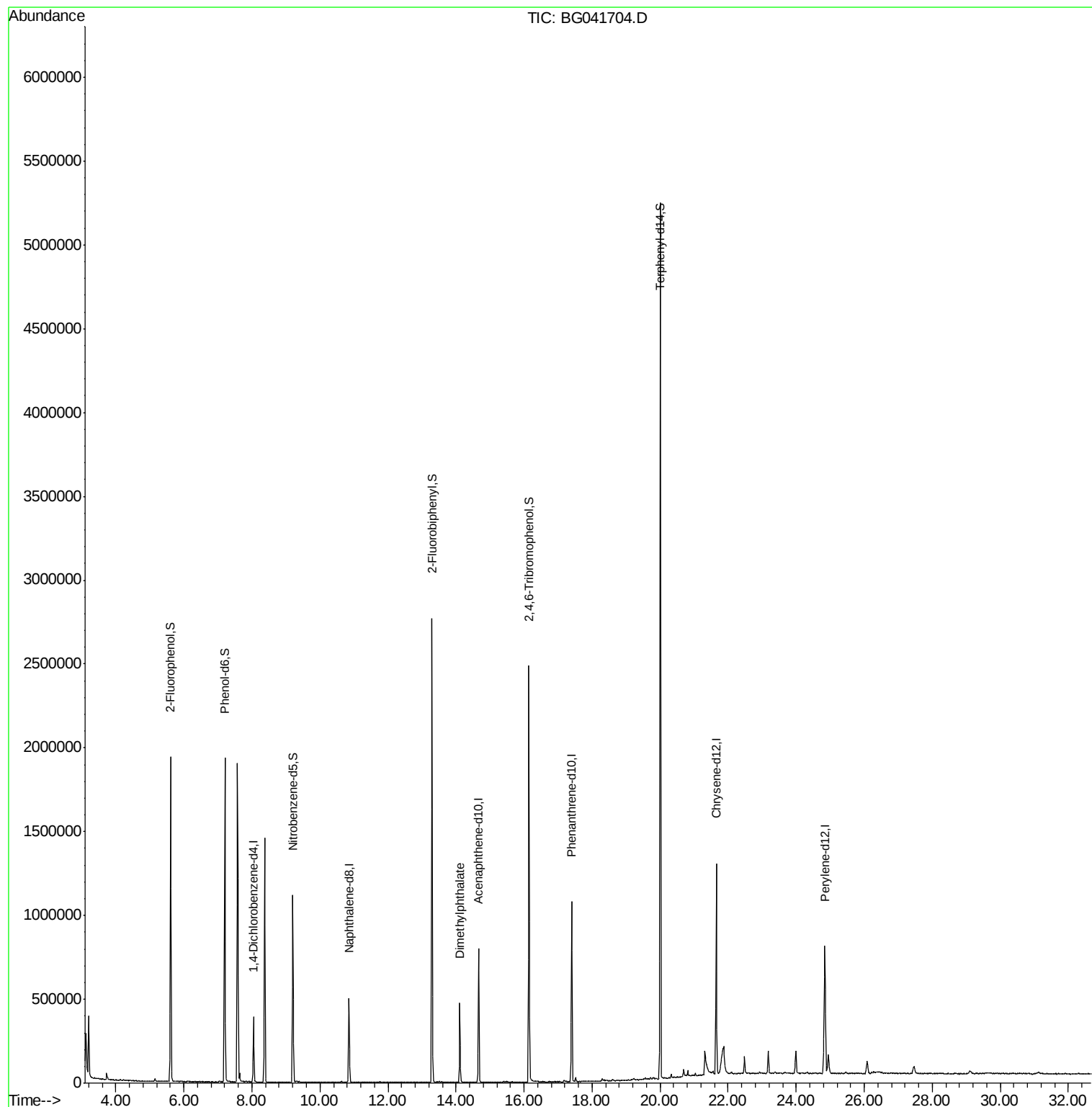
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 110577   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.85 | 136  | 442813   | 20.00  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 14.66 | 164  | 275563   | 20.00  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 17.40 | 188  | 688714   | 20.00  | ng    | 0.00      |
| 76) Chrysene-d12            | 21.65 | 240  | 707270   | 20.00  | ng    | -0.01     |
| 87) Perylene-d12            | 24.84 | 264  | 805068   | 20.00  | ng    | -0.02     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.61  | 112  | 819272   | 121.12 | ng    | 0.00      |
| 7) Phenol-d6                | 7.20  | 99   | 1118561  | 122.94 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 679527   | 93.32  | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 447707   | 144.16 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 13.29 | 172  | 1405867  | 79.00  | ng    | 0.00      |
| 79) Terphenyl-d14           | 20.00 | 244  | 2187622  | 72.28  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 50) Dimethylphthalate       | 14.11 | 163  | 329501   | 15.225 | ng    | Qvalue 98 |

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

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SB-10(8-10)

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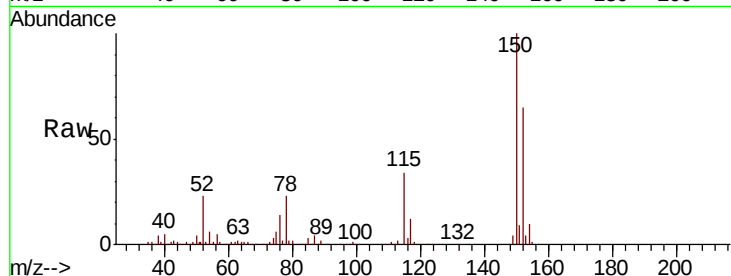


#1

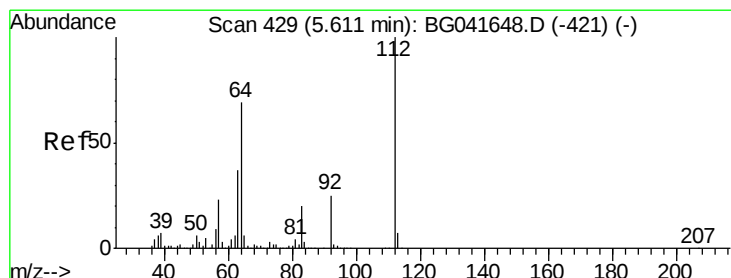
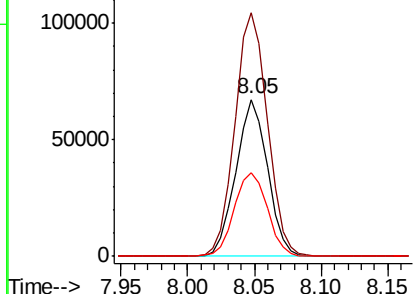
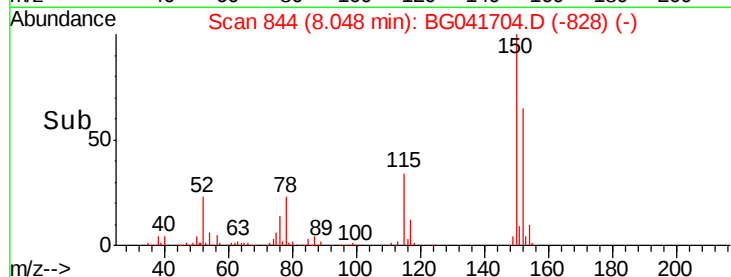
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: BG041704.D  
Acq: 18 Jul 2019 1:28

Instrument :  
BNA\_G  
ClientSampleId :  
SB-10(8-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.0 | 126.9 | 190.3 |
| 115     | 53.3  | 45.0  | 67.6  |



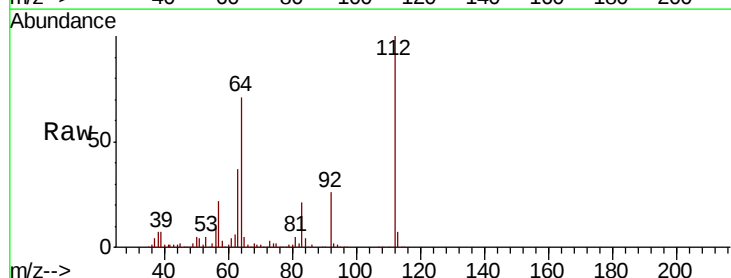
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



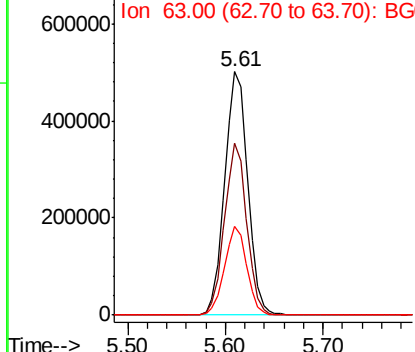
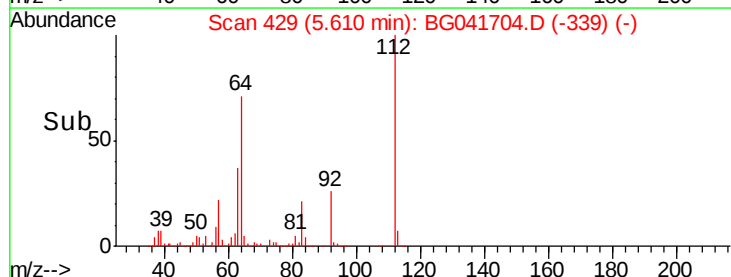
#5

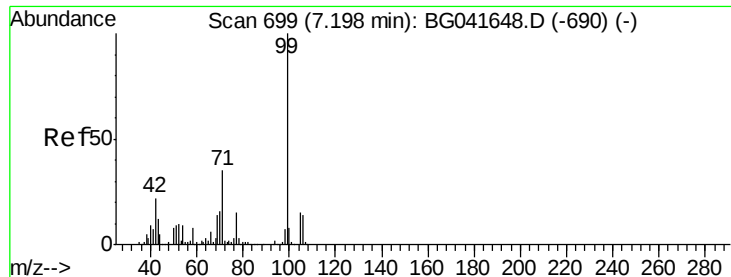
2-Fluorophenol  
Concen: 121.120 ng  
RT: 5.61 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: BG041704.D  
Acq: 18 Jul 2019 1:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.6  | 55.4  | 83.2  |
| 63      | 36.5  | 29.1  | 43.7  |



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: 122.945 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041704.D

Acq: 18 Jul 2019 1:28

Instrument :

BNA\_G

ClientSampleId :

SB-10(8-10)

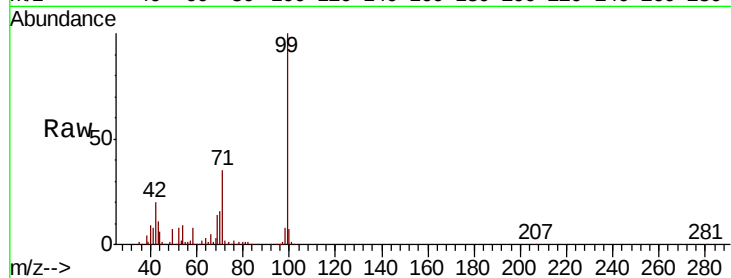
Tot Ion: 99 Resp: 1118561

Ion Ratio Lower Upper

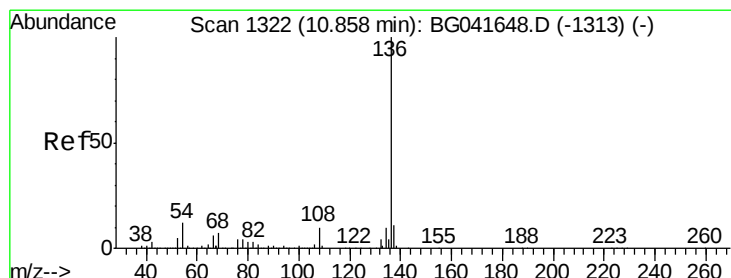
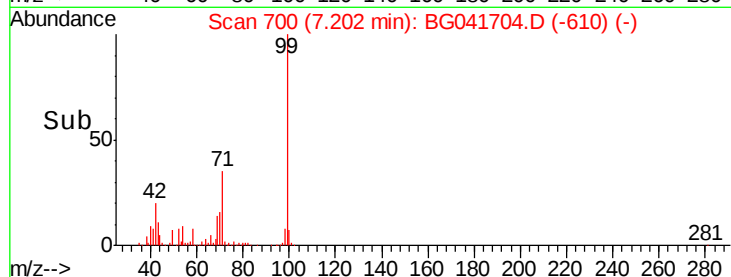
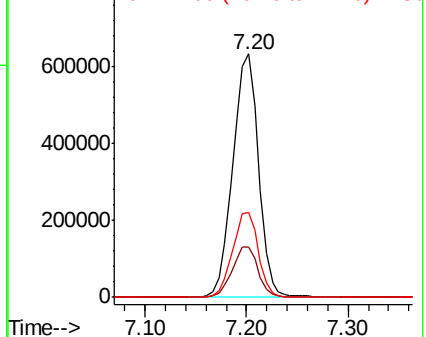
99 100

42 20.5 17.6 26.4

71 34.8 27.8 41.6



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: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG041704.D

Acq: 18 Jul 2019 1:28

Tgt Ion: 136 Resp: 442813

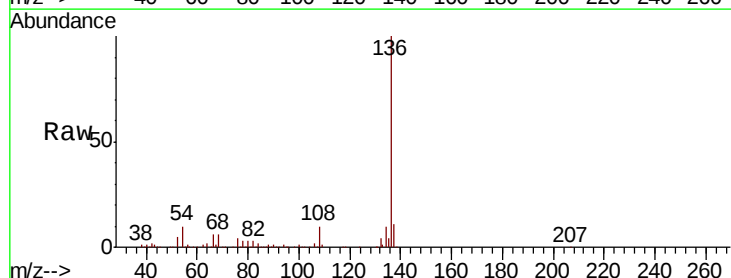
Ion Ratio Lower Upper

136 100

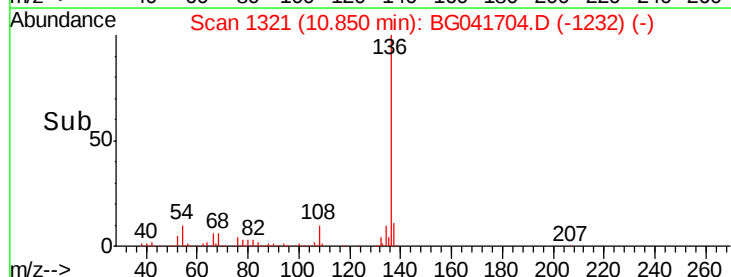
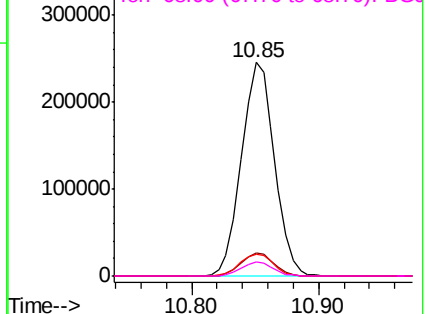
137 10.5 9.2 13.8

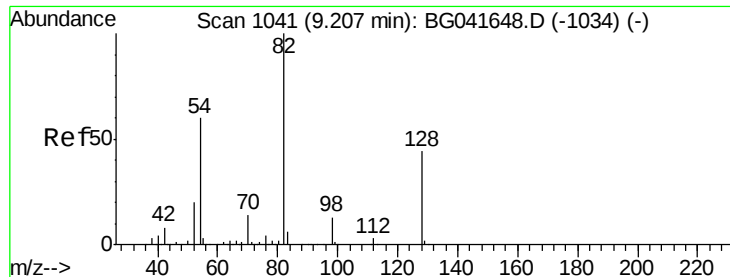
54 10.5 8.7 13.1

68 6.4 5.5 8.3



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

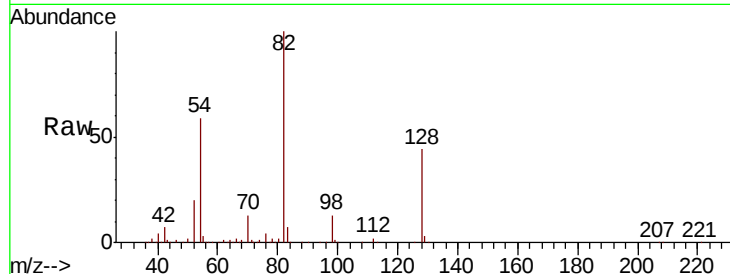




#23  
Nitrobenzene-d5  
Concen: 93.325 ng  
RT: 9.20 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BG041704.D  
Acq: 18 Jul 2019 1:28

Instrument :  
BNA\_G  
ClientSampleId :  
SB-10(8-10)

| Tot Ion   | 82   | Resp  | 679527 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 44.3 | 35.1  | 52.7   |
| 54        | 58.8 | 48.7  | 73.1   |

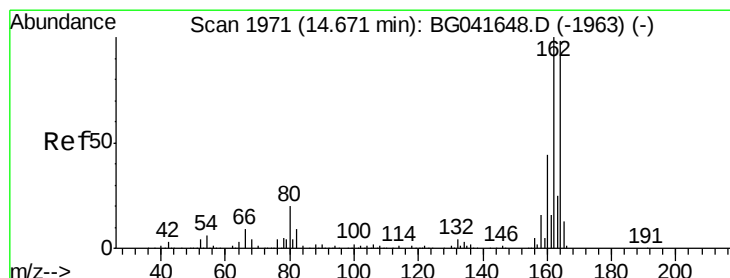
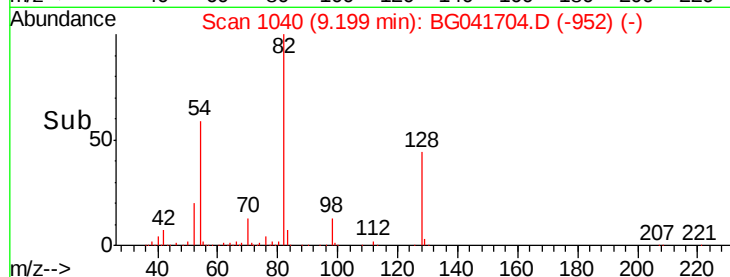
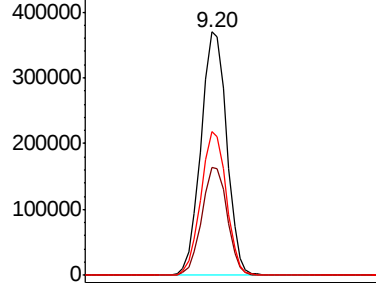


Abundance

Ion 82.00 (81.70 to 82.70): BGC

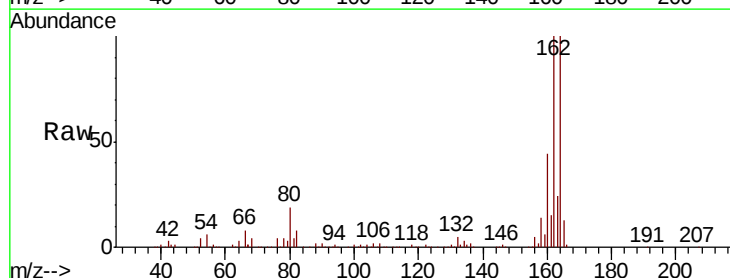
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1970  
Delta R.T. -0.01 min  
Lab File: BG041704.D  
Acq: 18 Jul 2019 1:28

| Tgt Ion   | 164   | Resp  | 275563 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 100.2 | 79.6  | 119.4  |
| 160       | 44.3  | 35.4  | 53.0   |

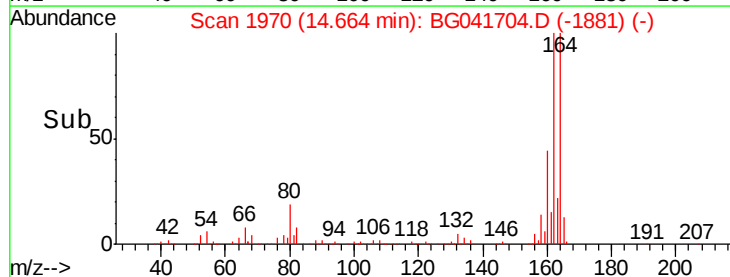
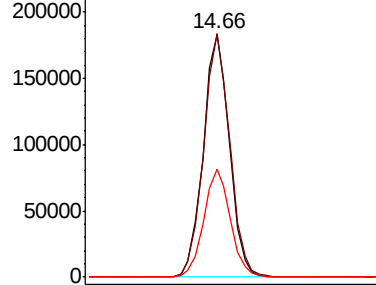


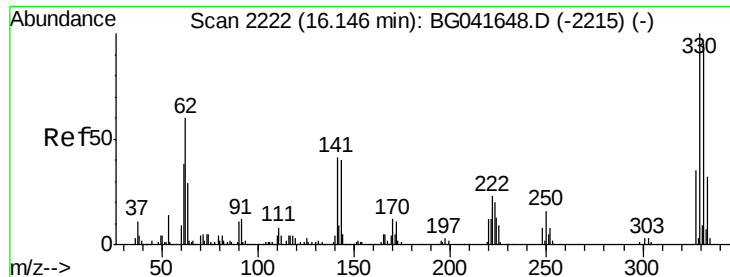
Abundance

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

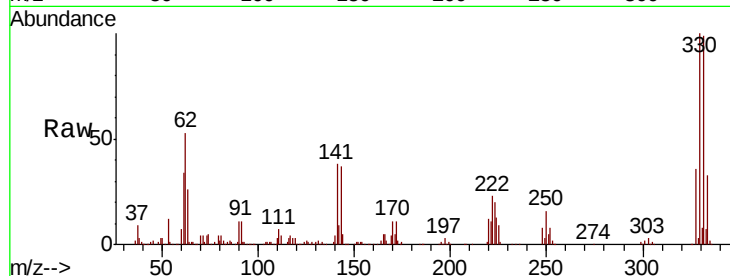




#42  
 2,4,6-Tribromophenol  
 Concen: 144.163 ng  
 RT: 16.14 min Scan# 2222  
 Delta R.T. -0.01 min  
 Lab File: BG041704.D  
 Acq: 18 Jul 2019 1:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-10(8-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.4  | 116.0 |
| 141     | 39.4  | 31.9  | 47.9  |

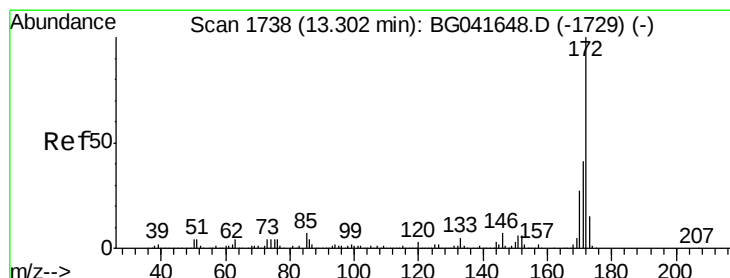
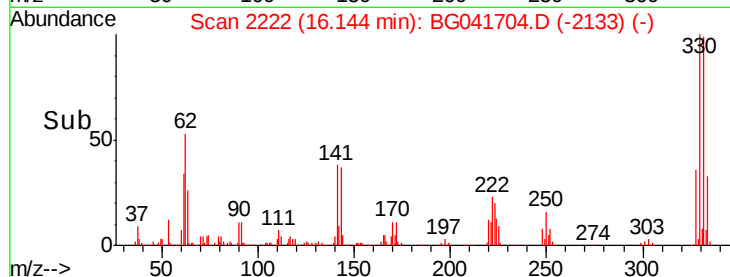
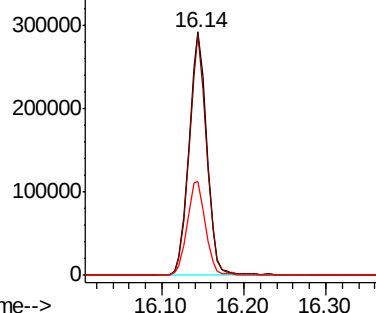


Abundance

Ion 329.80 (329.50 to 330.50): E

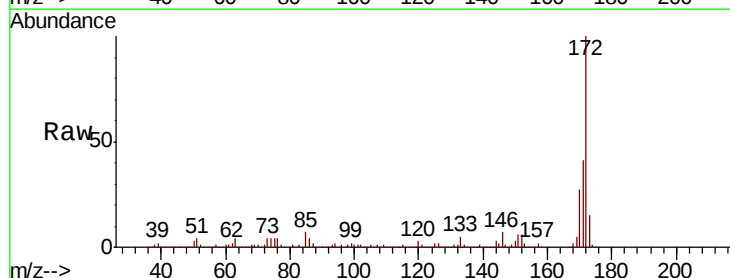
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 79.001 ng  
 RT: 13.29 min Scan# 1737  
 Delta R.T. -0.01 min  
 Lab File: BG041704.D  
 Acq: 18 Jul 2019 1:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 41.0  | 35.0  | 52.4  |
| 170     | 27.2  | 23.5  | 35.3  |

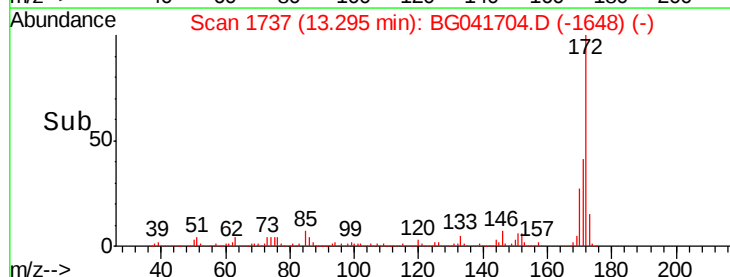
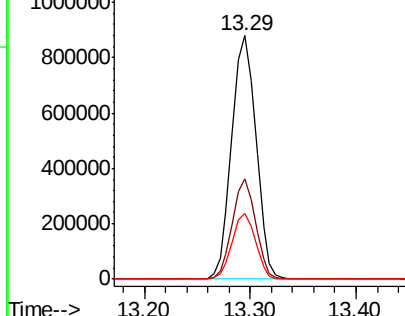


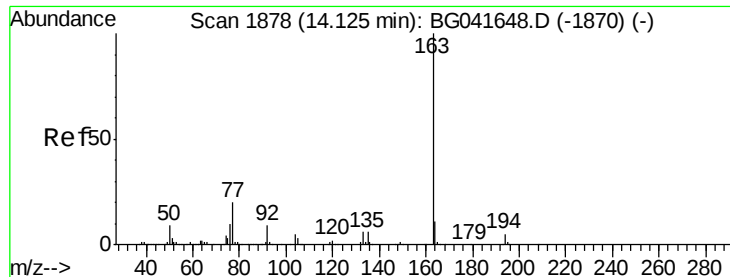
Abundance

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

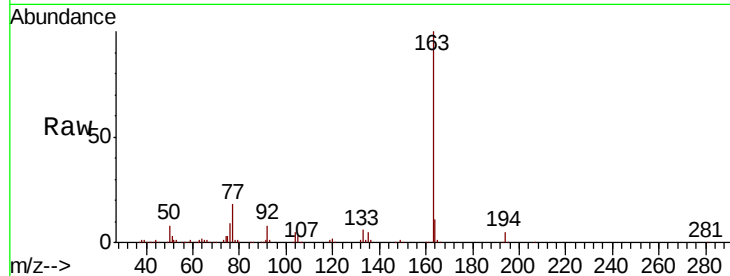




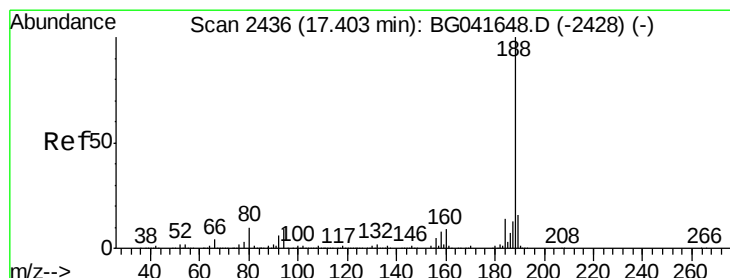
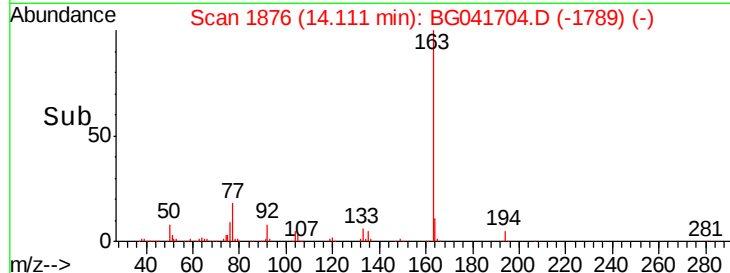
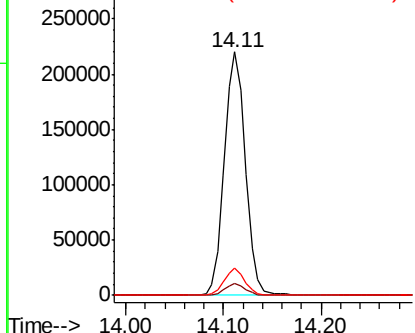
#50  
Dimethylphthalate  
Concen: 15.225 ng  
RT: 14.11 min Scan# 1876  
Delta R.T. -0.02 min  
Lab File: BG041704.D  
Acq: 18 Jul 2019 1:28

Instrument :  
BNA\_G  
ClientSampleId :  
SB-10(8-10)

Tot Ion:163 Resp: 329501  
Ion Ratio Lower Upper  
163 100  
194 5.1 4.2 6.2  
164 11.0 9.4 14.2

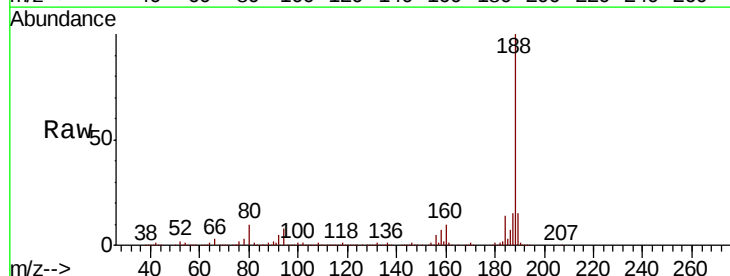


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

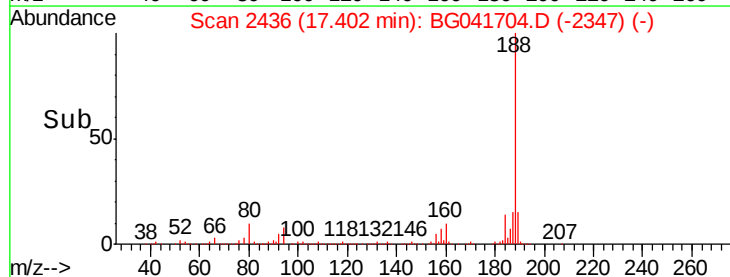
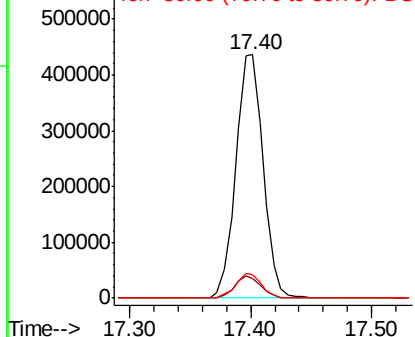


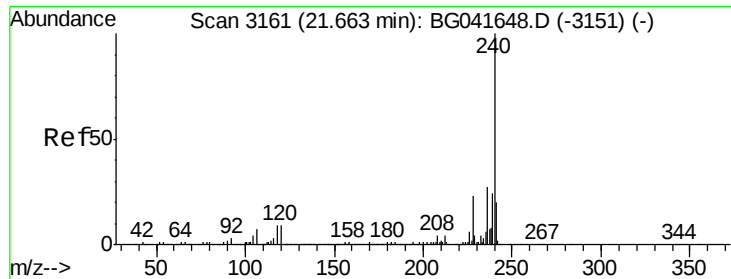
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2436  
Delta R.T. -0.01 min  
Lab File: BG041704.D  
Acq: 18 Jul 2019 1:28

Tgt Ion:188 Resp: 688714  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.9 10.3  
80 9.7 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG041704.D

Acq: 18 Jul 2019 1:28

Instrument :

BNA\_G

ClientSampleId :

SB-10(8-10)

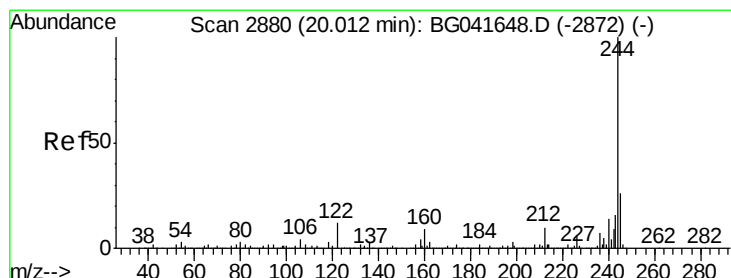
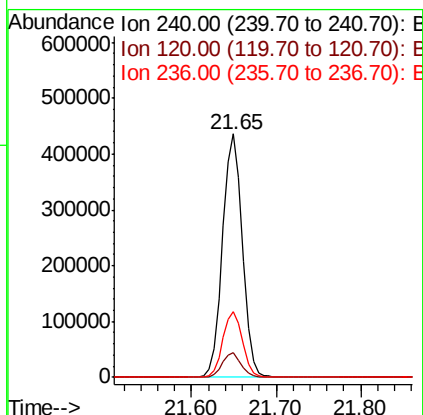
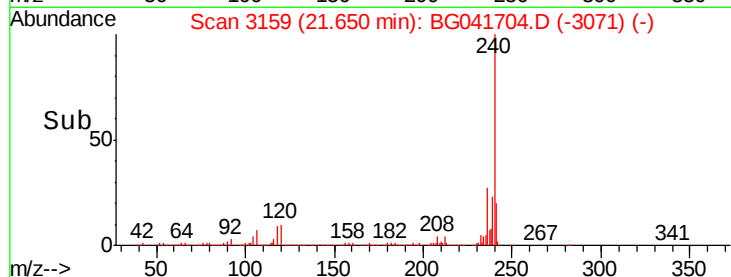
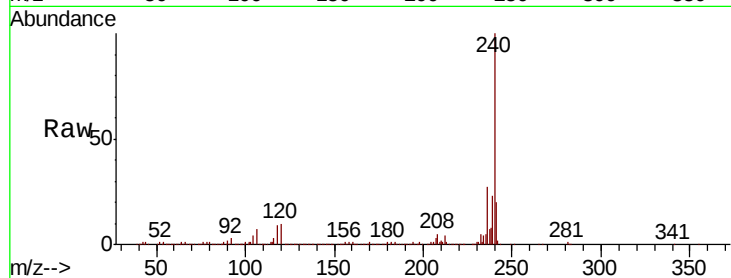
Tot Ion:240 Resp: 707270

Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

236 27.2 22.6 33.8



#79

Terphenyl-d14

Concen: 72.281 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG041704.D

Acq: 18 Jul 2019 1:28

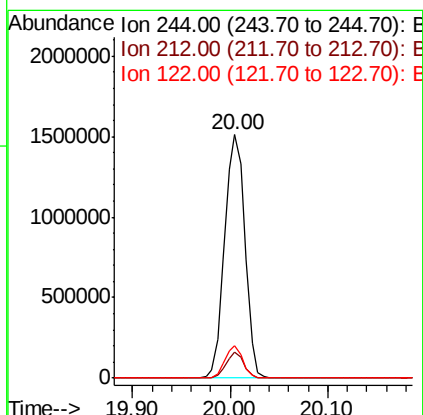
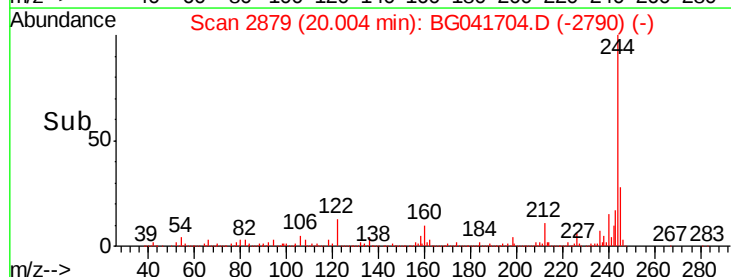
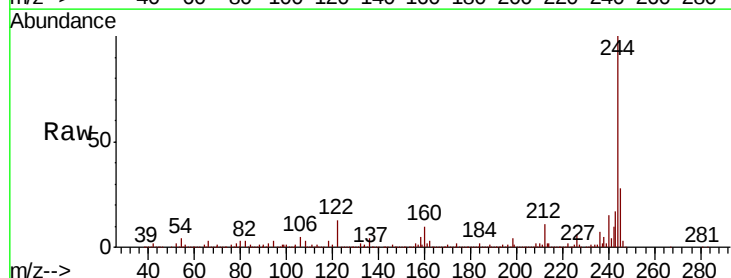
Tgt Ion:244 Resp: 2187622

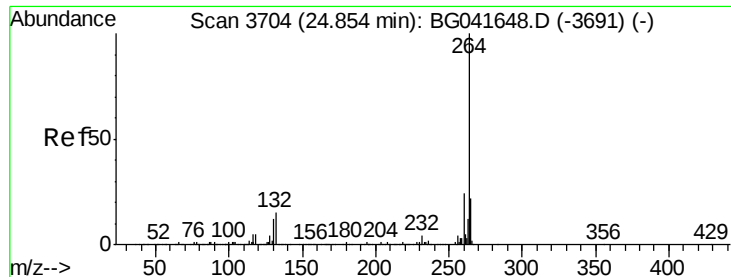
Ion Ratio Lower Upper

244 100

212 10.6 9.7 14.5

122 13.3 12.5 18.7





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.84 min Scan# 3702  
Delta R.T. -0.02 min  
Lab File: BG041704.D  
Acq: 18 Jul 2019 1:28

Instrument :  
BNA\_G  
ClientSampleId :  
SB-10(8-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.5  | 29.3  |
| 265     | 21.6  | 18.0  | 27.0  |

