

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061219\  
 Data File : BG041214.D  
 Acq On : 12 Jun 2019 20:07  
 Operator : HP/JU  
 Sample : K3265-13  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-01

Quant Time: Jun 13 07:55:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jun 09 23:08:34 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.10  | 152  | 40428    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 170402   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.73 | 164  | 127459   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.48 | 188  | 320739   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.75 | 240  | 309800   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 25.08 | 264  | 291947   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 129972   | 57.97 | ng    | 0.00     |
| 7) Phenol-d6                | 7.25  | 99   | 127438   | 36.80 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 359122   | 93.56 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 176945   | 93.51 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 744847   | 84.16 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.07 | 244  | 1315208  | 90.10 | ng    | 0.00     |

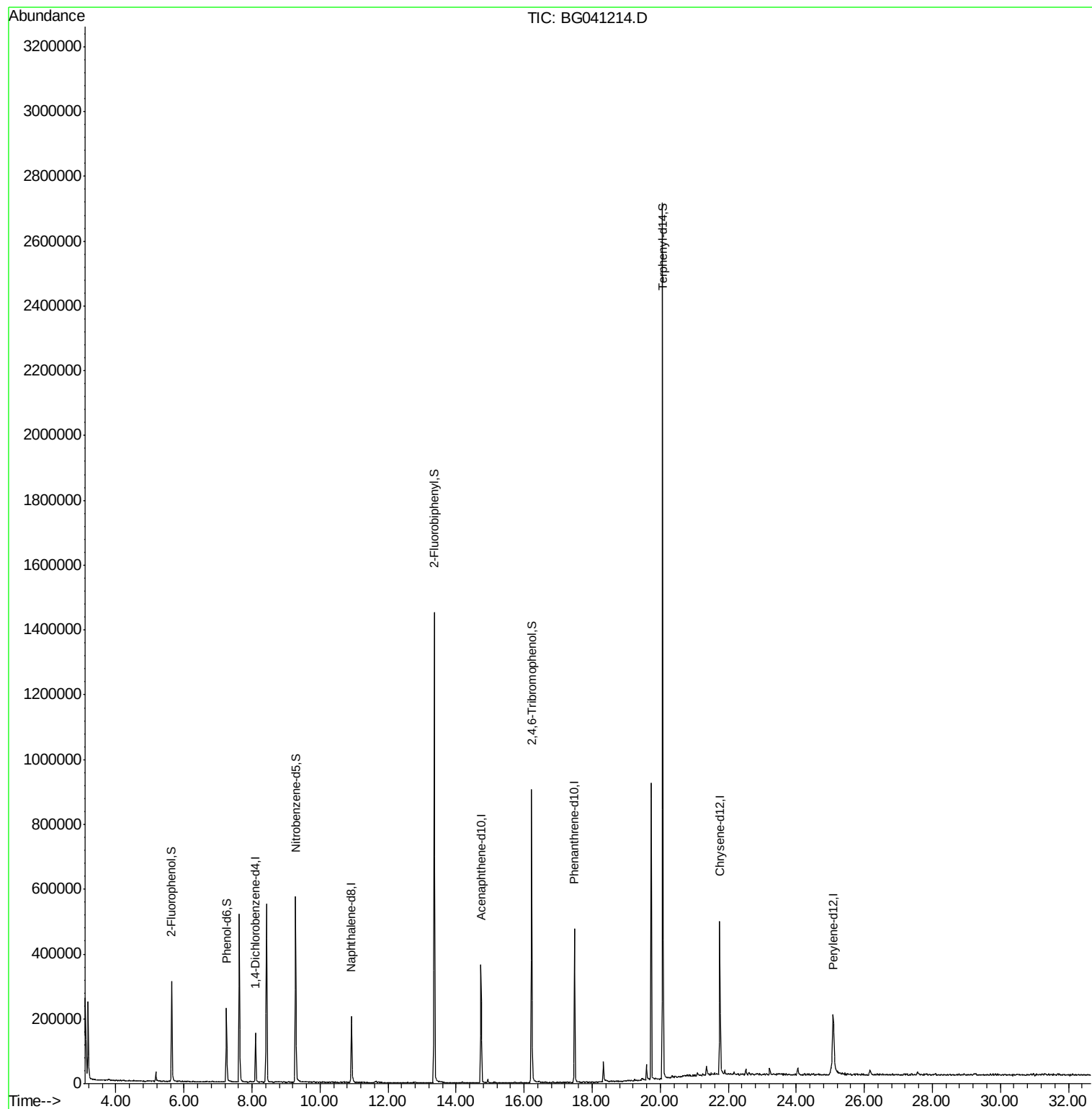
Target Compounds Qvalue

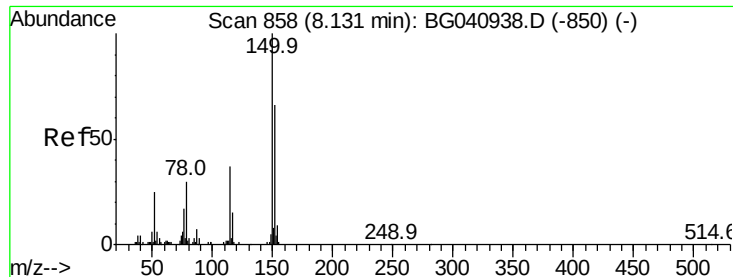
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Jun 09 23:08:34 2019  
Response via : Initial Calibration



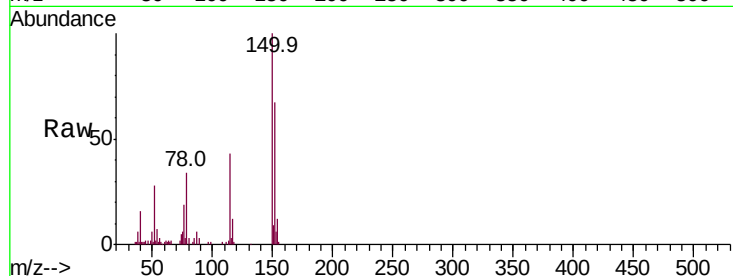


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: BG041214.D  
Acq: 12 Jun 2019 20:07

Instrument :  
BNA\_G  
ClientSampleId :  
MW-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.1 | 120.6 | 180.8 |
| 115     | 64.9  | 45.1  | 67.7  |

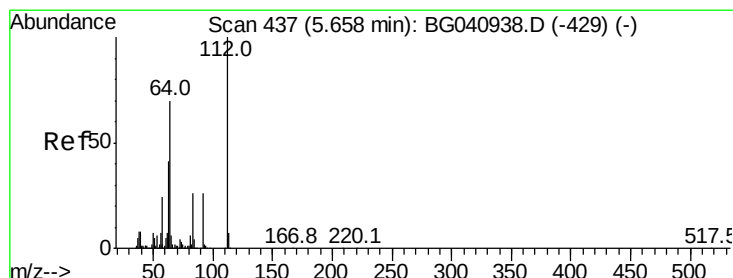
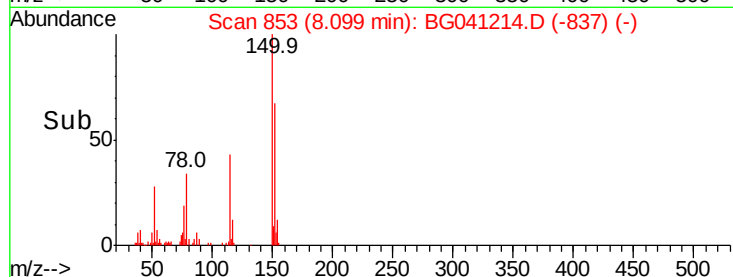
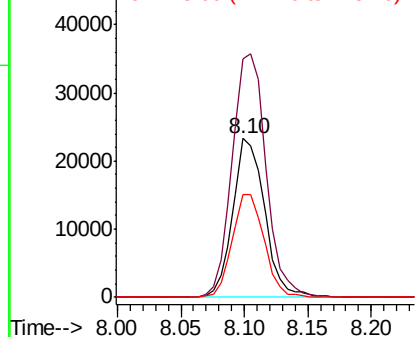


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

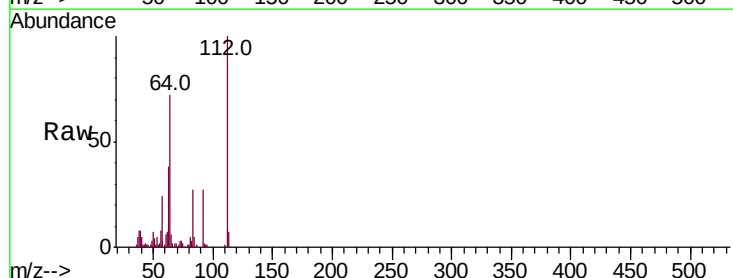
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 57.971 ng  
RT: 5.64 min Scan# 435  
Delta R.T. 0.01 min  
Lab File: BG041214.D  
Acq: 12 Jun 2019 20:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.7  | 56.2  | 84.2  |
| 63      | 38.4  | 32.8  | 49.2  |

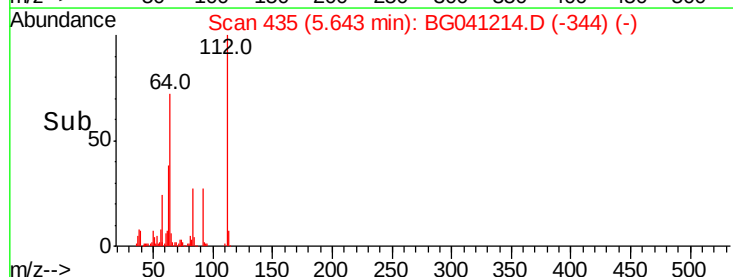
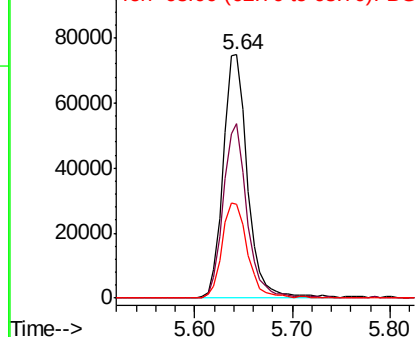


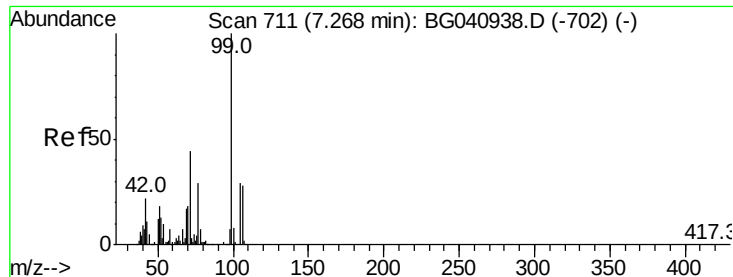
Abundance

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: 36.805 ng

RT: 7.25 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041214.D

Acq: 12 Jun 2019 20:07

Instrument :

BNA\_G

ClientSampleId :

MW-01

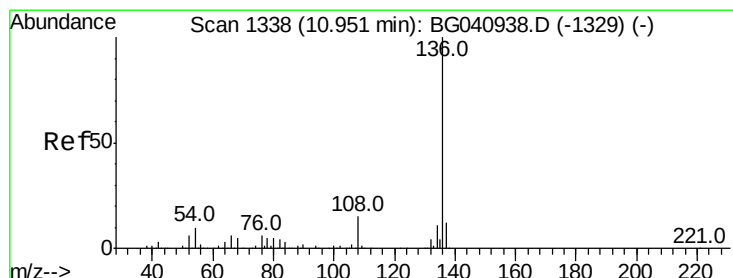
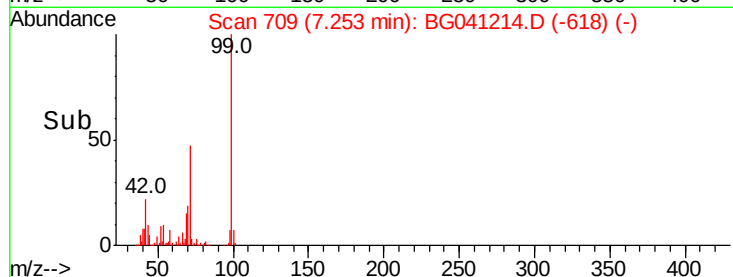
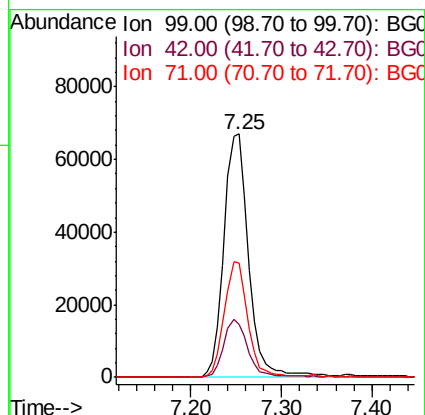
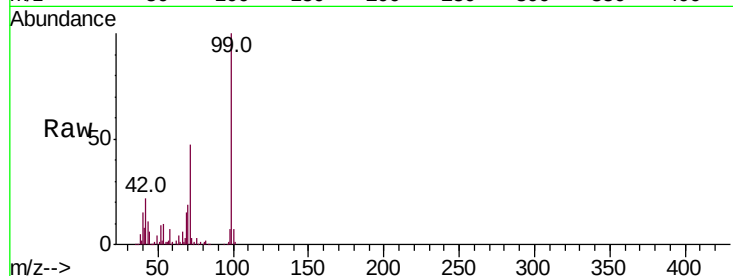
Tot Ion: 99 Resp: 127438

Ion Ratio Lower Upper

99 100

42 21.5 17.9 26.9

71 46.8 35.4 53.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BG041214.D

Acq: 12 Jun 2019 20:07

Tgt Ion: 136 Resp: 170402

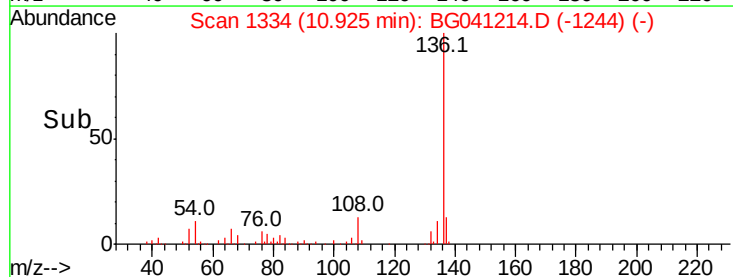
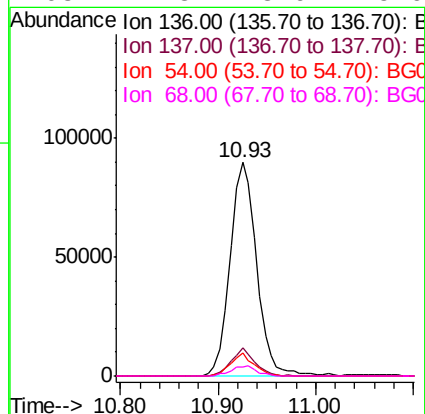
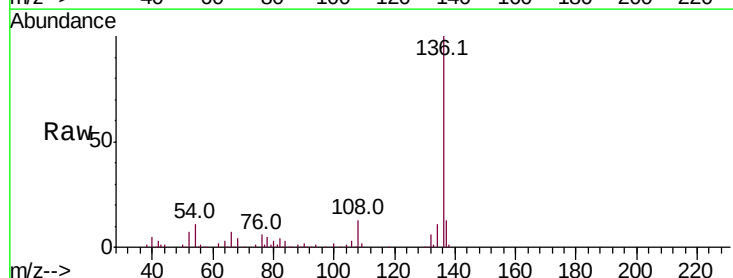
Ion Ratio Lower Upper

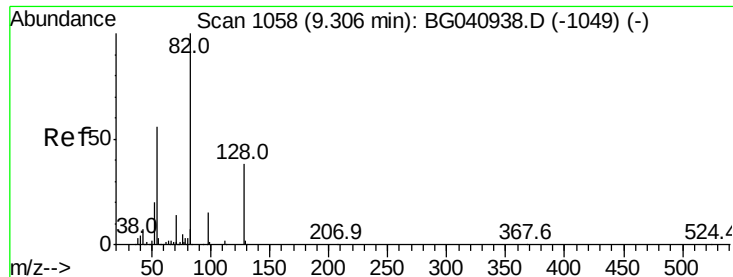
136 100

137 13.4 9.5 14.3

54 10.8 7.6 11.4

68 4.3 3.9 5.9

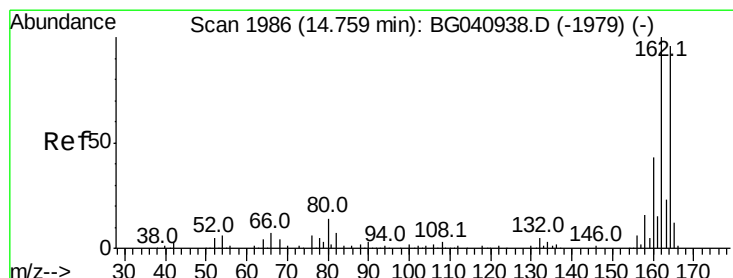
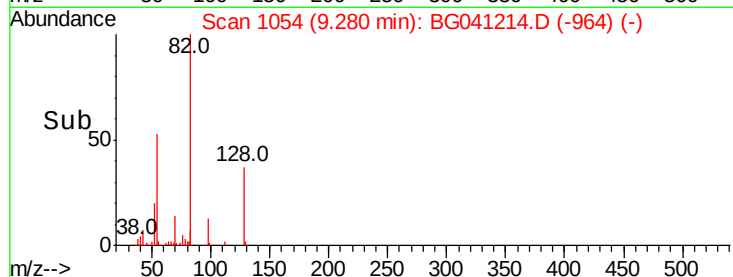
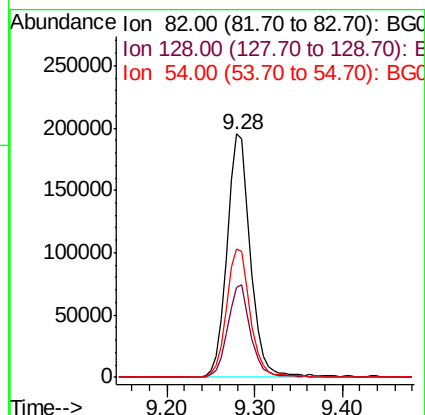
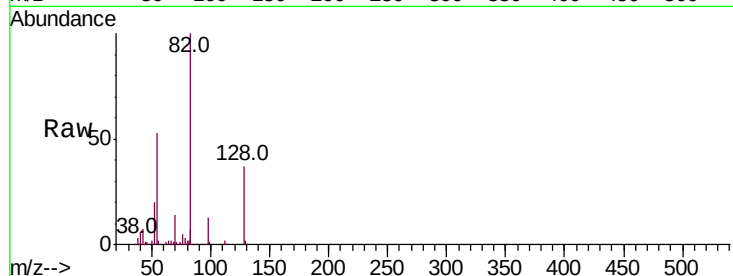




#23  
Nitrobenzene-d5  
Concen: 93.560 ng  
RT: 9.28 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BG041214.D  
Acq: 12 Jun 2019 20:07

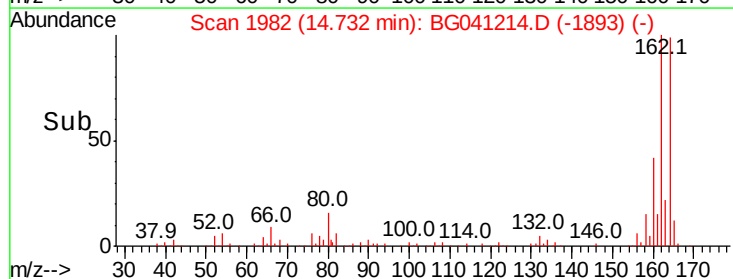
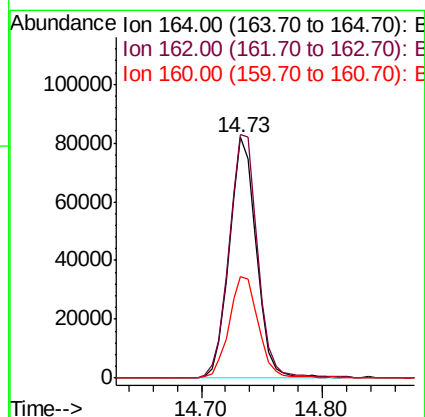
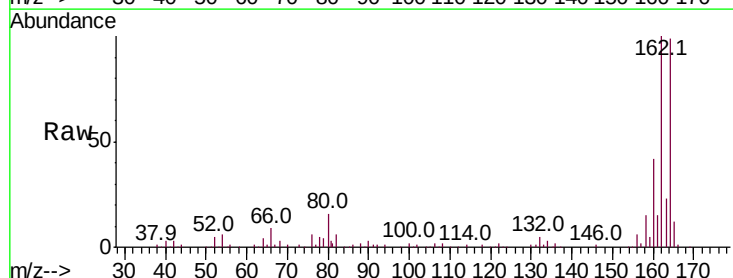
Instrument :  
BNA\_G  
ClientSampled :  
MW-01

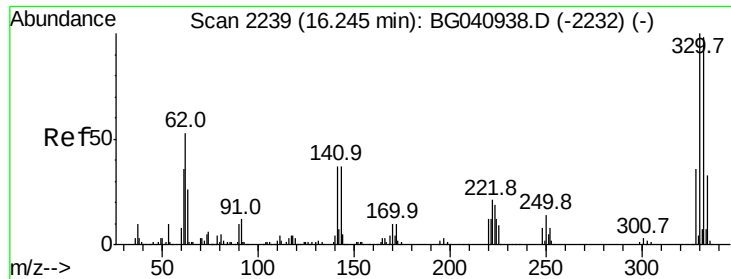
| Tot Ion   | 82   | Resp  | 359122 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 36.9 | 30.5  | 45.7   |
| 54        | 52.8 | 44.6  | 66.8   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: BG041214.D  
Acq: 12 Jun 2019 20:07

| Tgt Ion   | 164   | Resp  | 127459 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 101.2 | 83.0  | 124.4  |
| 160       | 42.3  | 35.6  | 53.4   |





#42

2,4,6-Tribromophenol

Concen: 93.512 ng

RT: 16.22 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BG041214.D

Acq: 12 Jun 2019 20:07

Instrument :

BNA\_G

ClientSampled :

MW-01

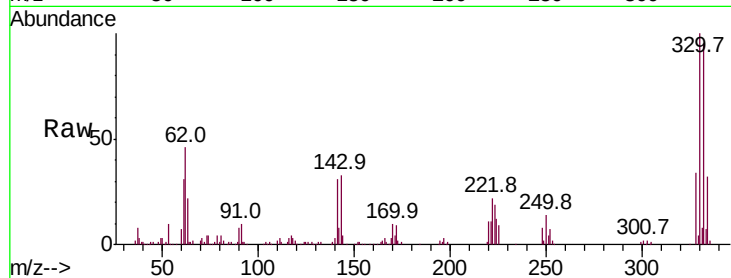
Tot Ion:330 Resp: 176945

Ion Ratio Lower Upper

330 100

332 95.3 78.5 117.7

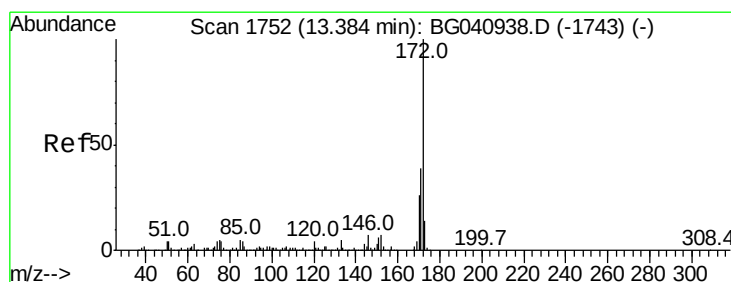
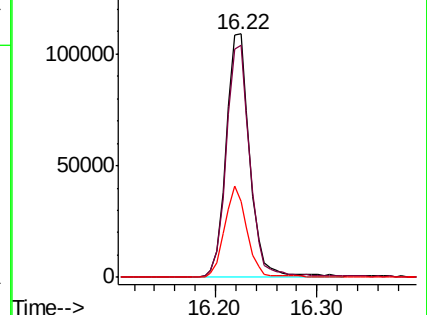
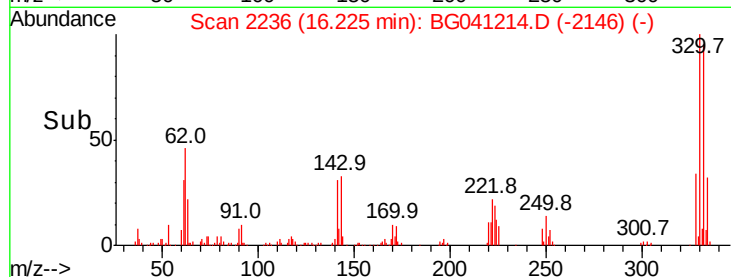
141 35.7 28.7 43.1



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: 84.157 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BG041214.D

Acq: 12 Jun 2019 20:07

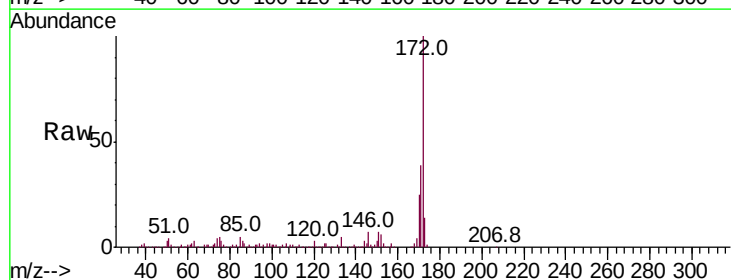
Tgt Ion:172 Resp: 744847

Ion Ratio Lower Upper

172 100

171 38.8 31.1 46.7

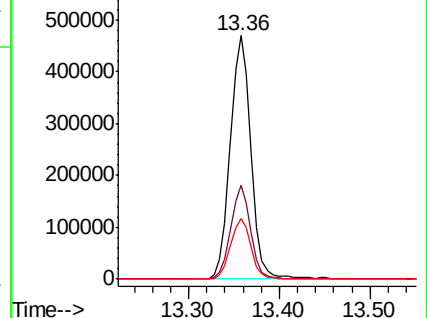
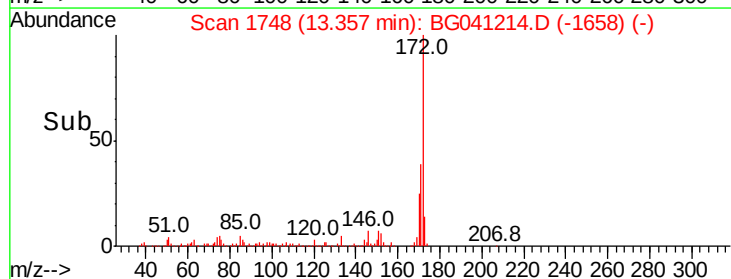
170 24.8 20.5 30.7

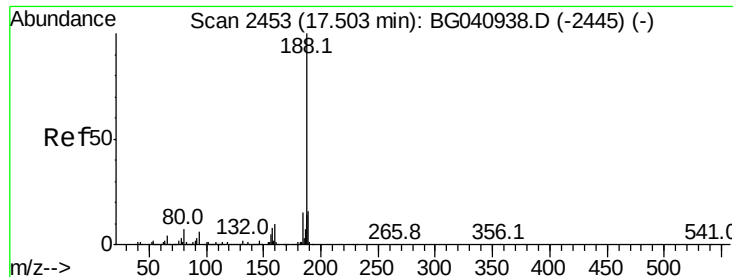


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

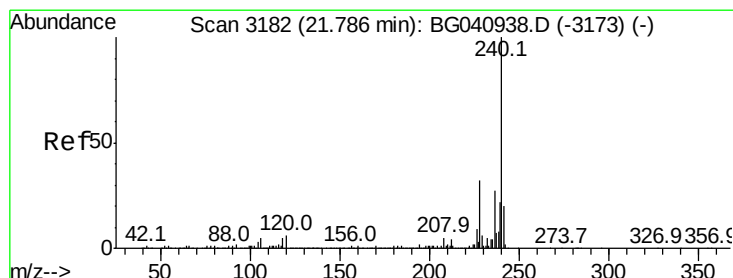
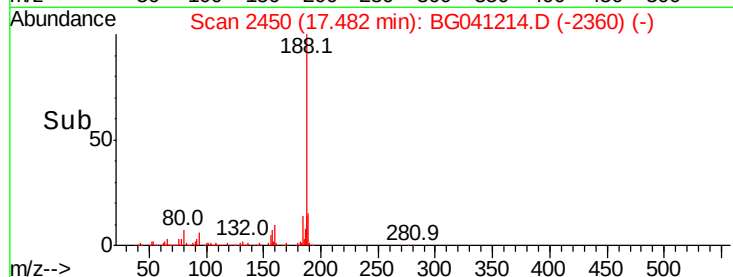
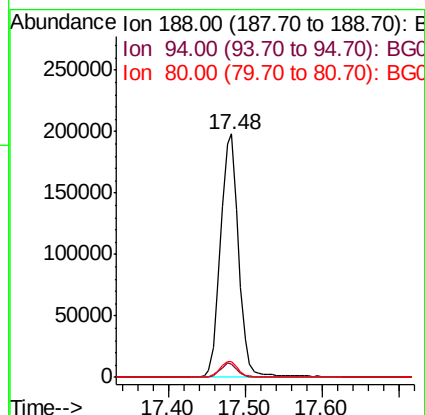
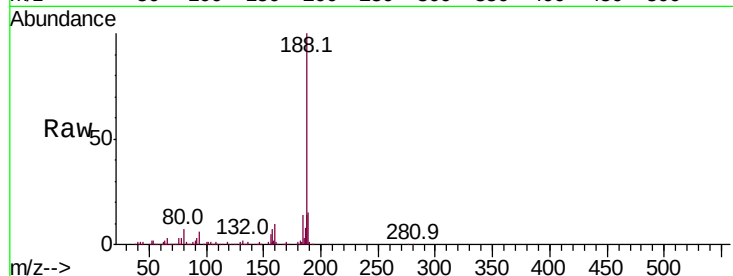




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2450  
Delta R.T. -0.00 min  
Lab File: BG041214.D  
Acq: 12 Jun 2019 20:07

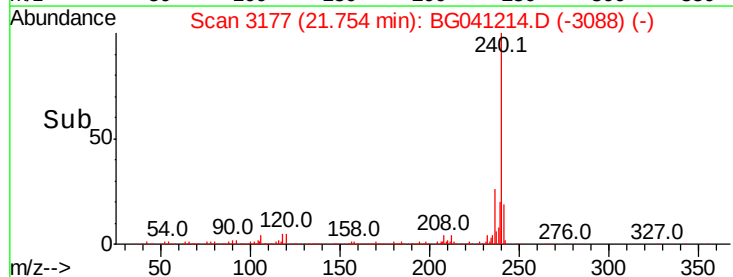
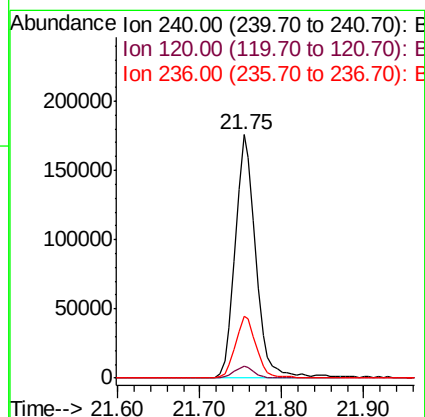
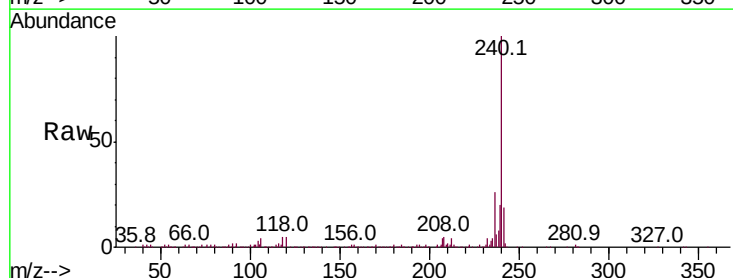
Instrument :  
BNA\_G  
ClientSampled :  
MW-01

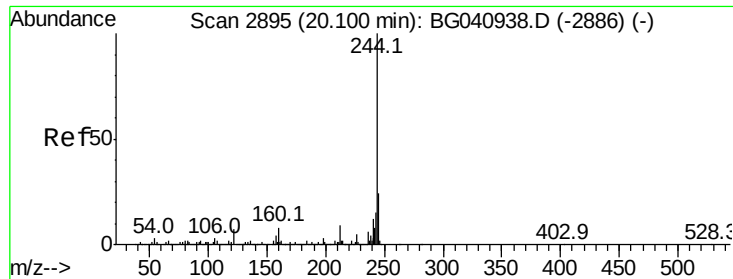
Tot Ion:188 Resp: 320739  
Ion Ratio Lower Upper  
188 100  
94 5.7 4.7 7.1  
80 6.6 5.8 8.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.75 min Scan# 3177  
Delta R.T. -0.01 min  
Lab File: BG041214.D  
Acq: 12 Jun 2019 20:07

Tgt Ion:240 Resp: 309800  
Ion Ratio Lower Upper  
240 100  
120 5.0 4.5 6.7  
236 25.5 21.3 31.9





#79

Terphenyl-d14

Concen: 90.101 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG041214.D

Acq: 12 Jun 2019 20:07

Instrument :

BNA\_G

ClientSampleId :

MW-01

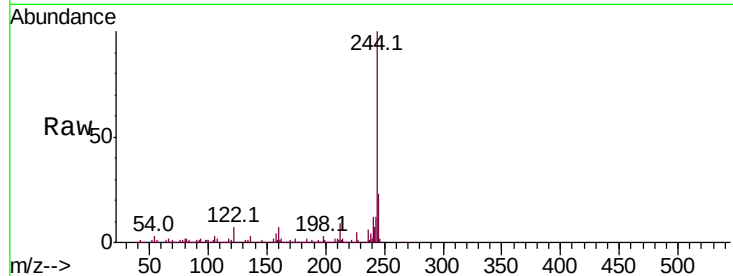
Tot Ion:244 Resp: 1315208

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.4

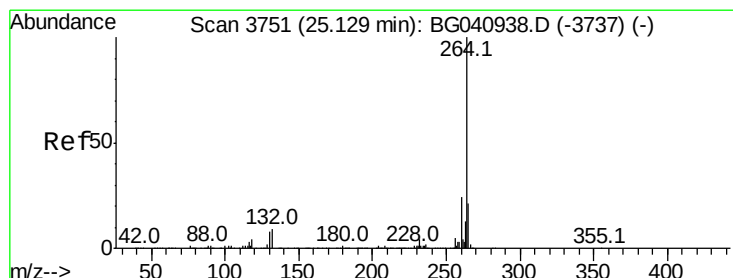
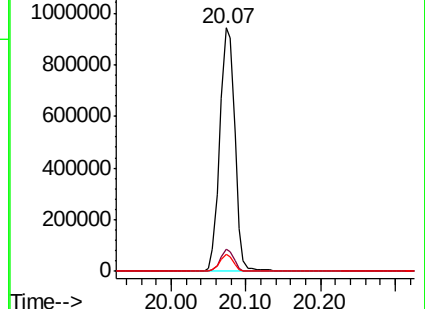
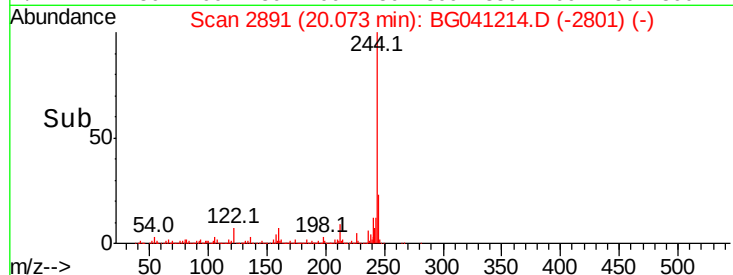
122 7.1 5.4 8.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3743

Delta R.T. -0.01 min

Lab File: BG041214.D

Acq: 12 Jun 2019 20:07

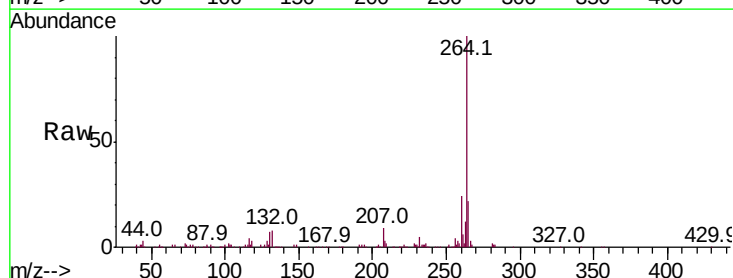
Tgt Ion:264 Resp: 291947

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 21.7 17.0 25.4



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

