

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021319\  
 Data File : BG039500.D  
 Acq On : 13 Feb 2019 22:36  
 Operator : JU/SJ  
 Sample : K1343-16  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-021119-H

Quant Time: Feb 14 03:12:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 48095    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.00 | 136  | 211690   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.80 | 164  | 154741   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.54 | 188  | 382323   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.83 | 240  | 400947   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.21 | 264  | 386840   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 427180   | 152.02 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 577357   | 139.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.35  | 82   | 425813   | 125.66 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 257437   | 154.50 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.42 | 172  | 1060849  | 98.35  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.13 | 244  | 1748551  | 92.31  | ng    | -0.02    |

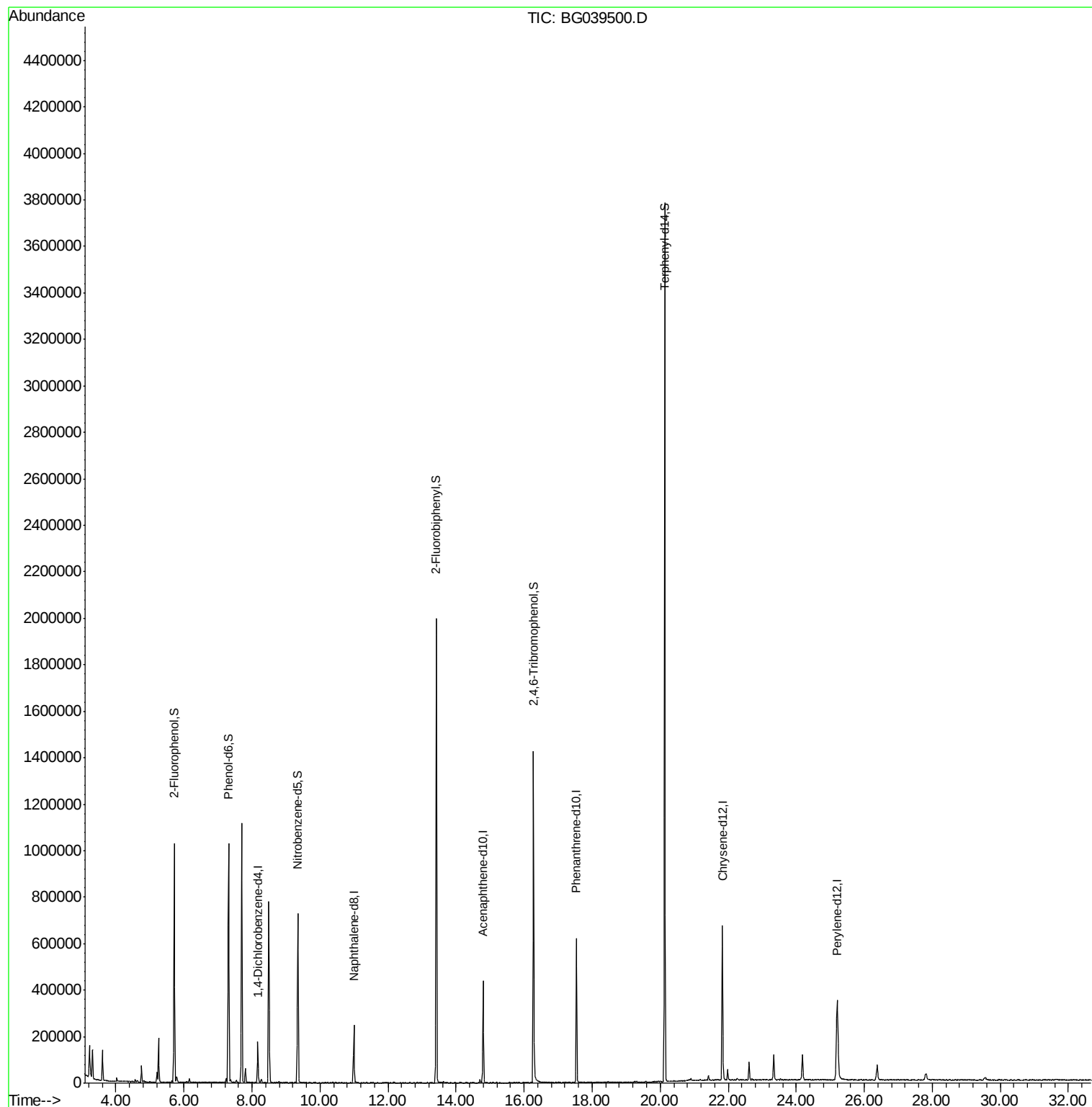
Target Compounds Qvalue

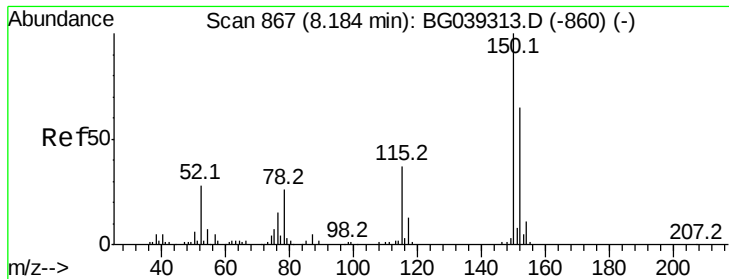
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 29 15:41:51 2019  
Response via : Initial Calibration



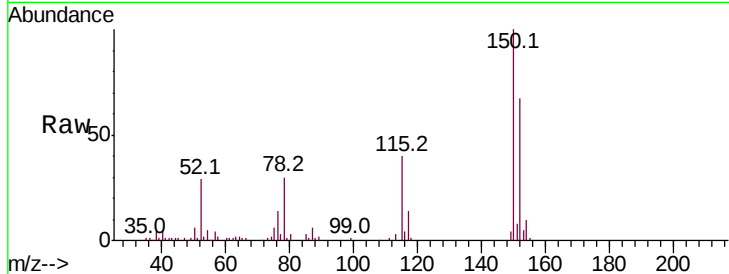


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 865  
Delta R.T. -0.01 min  
Lab File: BG039500.D  
Acq: 13 Feb 2019 22:36

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-021119-H

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.7 | 123.7 | 185.5 |
| 115     | 60.3  | 45.9  | 68.9  |

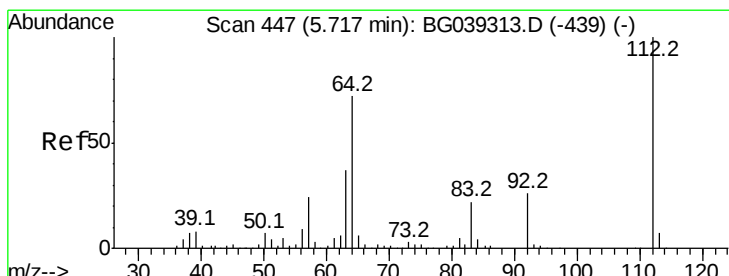
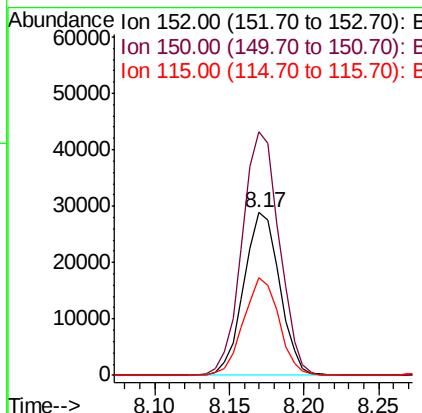
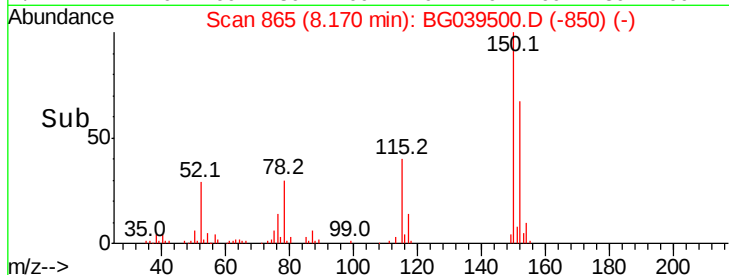


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

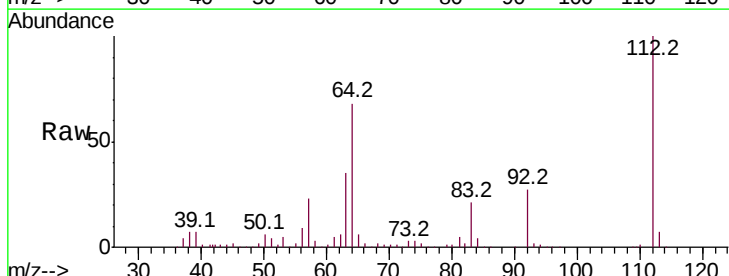
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 152.016 ng  
RT: 5.71 min Scan# 447  
Delta R.T. -0.00 min  
Lab File: BG039500.D  
Acq: 13 Feb 2019 22:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.4  | 57.8  | 86.8  |
| 63      | 35.2  | 29.8  | 44.6  |

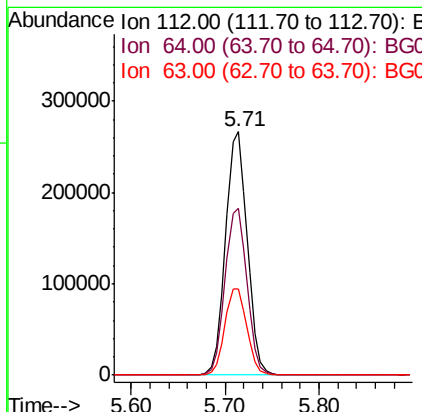
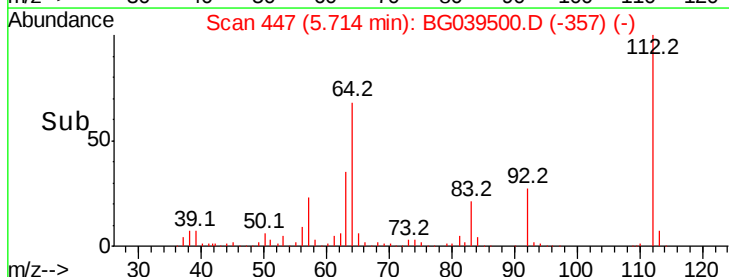


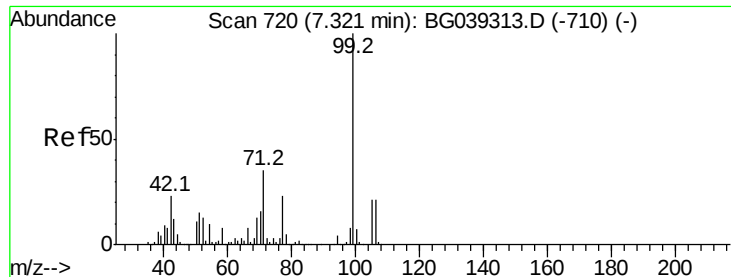
Abundance

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: 139.580 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Instrument :

BNA\_G

ClientSampleId :

JC-02-021119-H

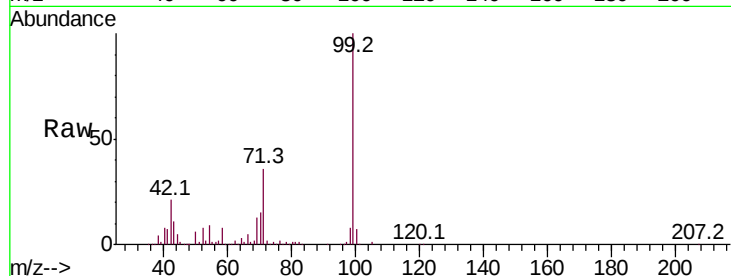
Tot Ion: 99 Resp: 577357

Ion Ratio Lower Upper

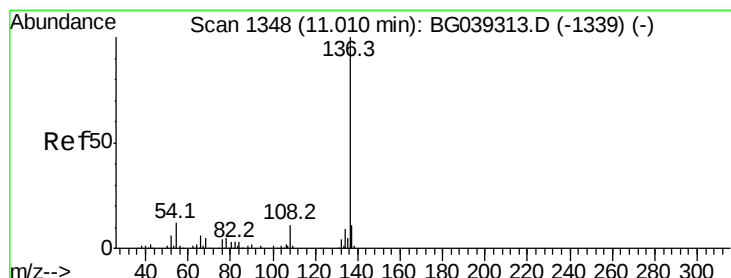
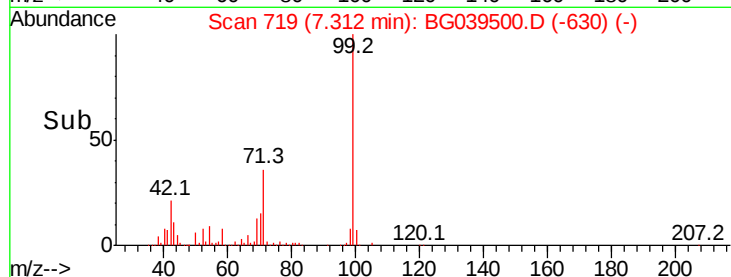
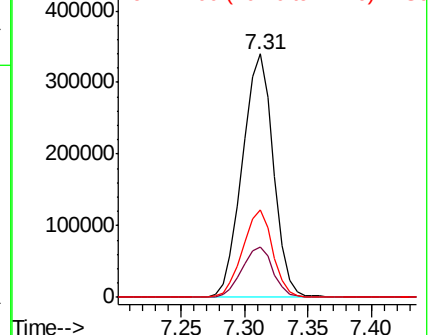
99 100

42 20.8 18.2 27.2

71 36.0 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: 11.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Tgt Ion: 136 Resp: 211690

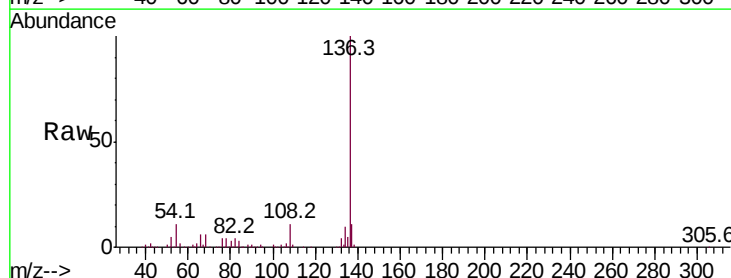
Ion Ratio Lower Upper

136 100

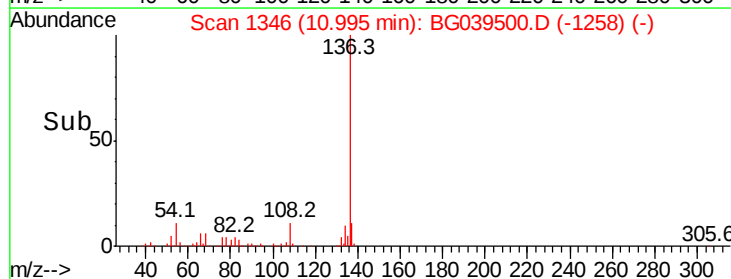
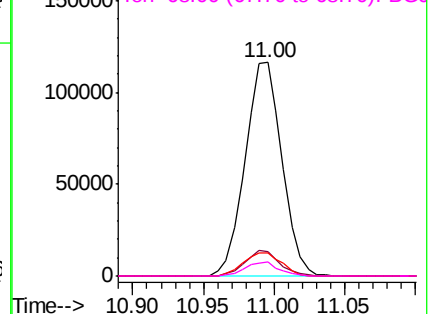
137 11.3 9.1 13.7

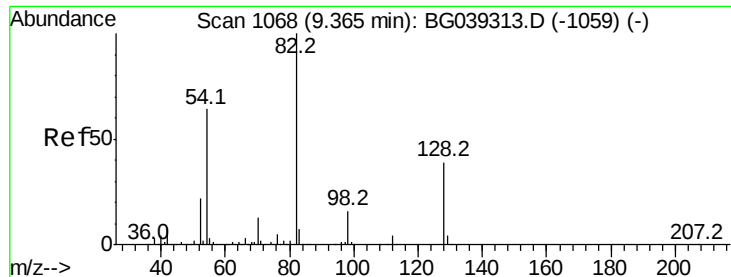
54 10.9 9.4 14.2

68 6.4 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

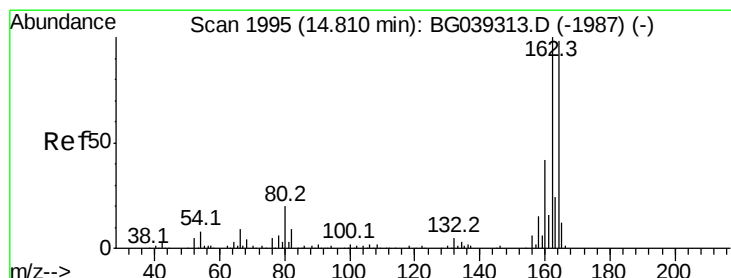
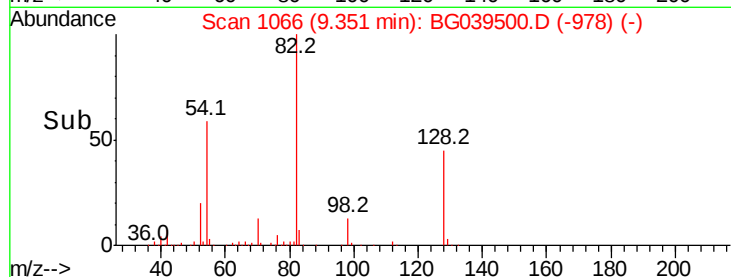
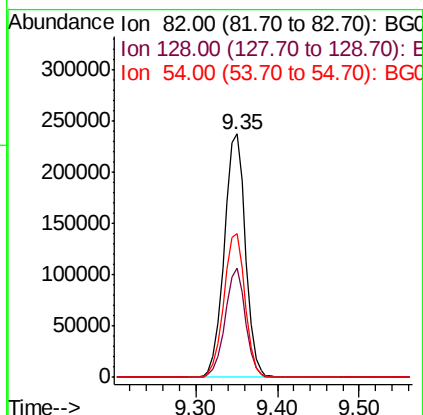
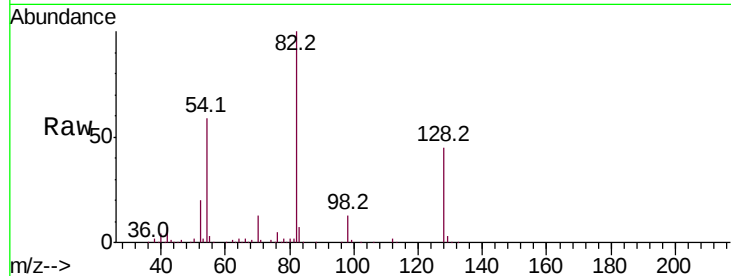




#23  
Nitrobenzene-d5  
Concen: 125.661 ng  
RT: 9.35 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BG039500.D  
Acq: 13 Feb 2019 22:36

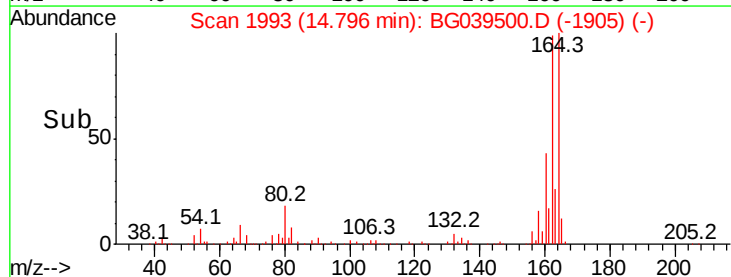
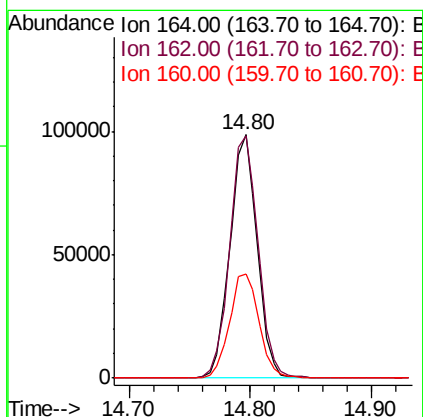
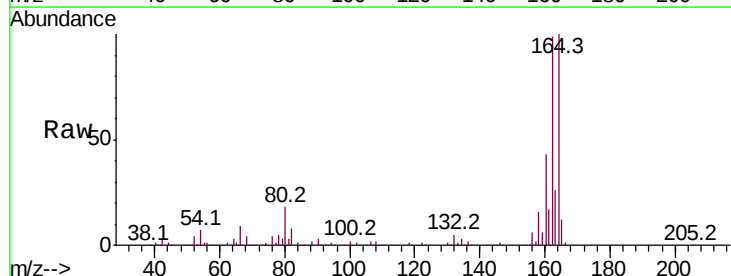
Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-021119-H

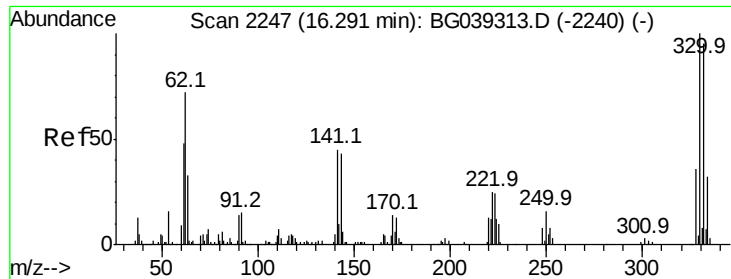
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.1  | 31.3  | 46.9  |
| 54      | 59.1  | 50.9  | 76.3  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.80 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BG039500.D  
Acq: 13 Feb 2019 22:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.3  | 81.6  | 122.4 |
| 160     | 42.8  | 34.2  | 51.2  |





#42

2,4,6-Tribromophenol

Concen: 154.497 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Instrument :

BNA\_G

ClientSampleId :

JC-02-021119-H

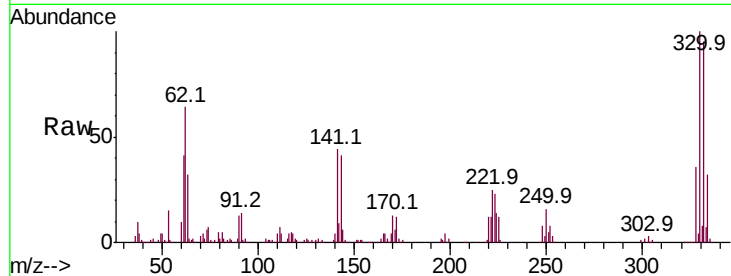
Tot Ion:330 Resp: 257437

Ion Ratio Lower Upper

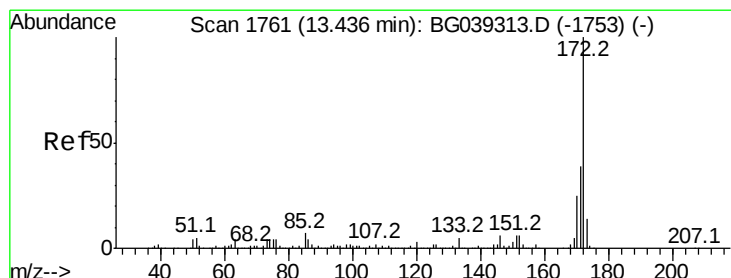
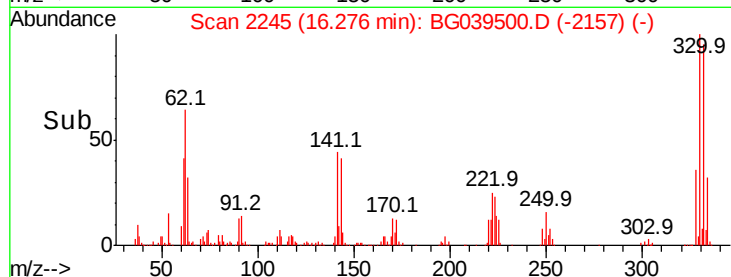
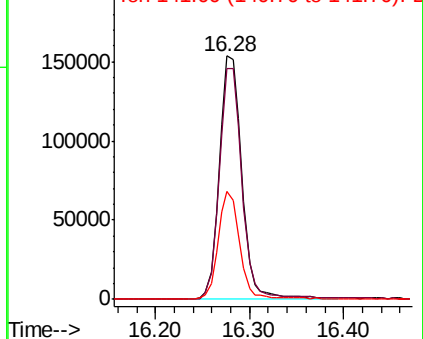
330 100

332 95.2 75.7 113.5

141 42.8 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: 98.348 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

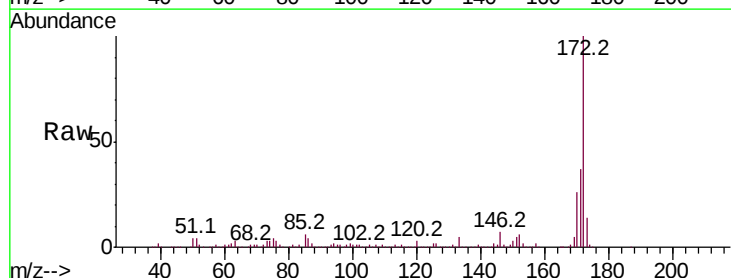
Tgt Ion:172 Resp: 1060849

Ion Ratio Lower Upper

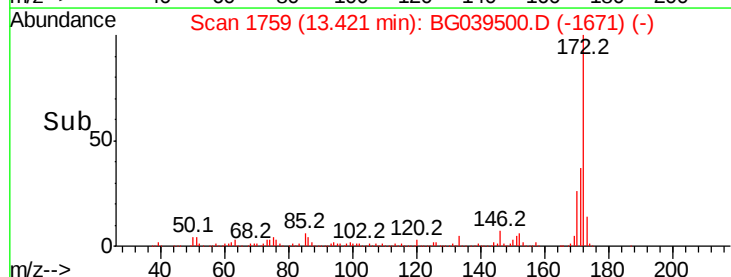
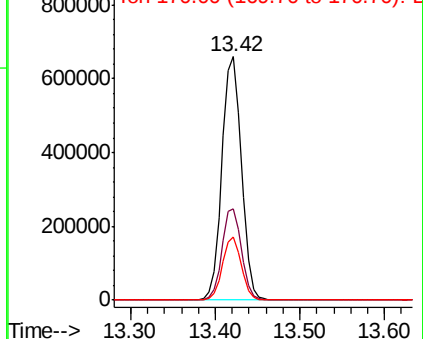
172 100

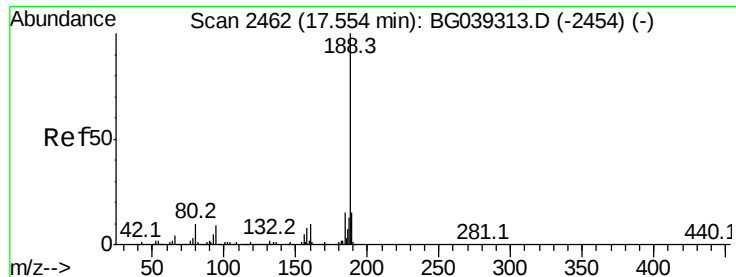
171 37.4 30.8 46.2

170 25.7 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: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

Instrument :

BNA\_G

ClientSampleId :

JC-02-021119-H

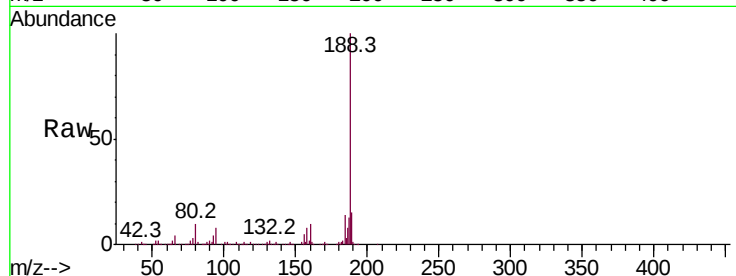
Tot Ion:188 Resp: 382323

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

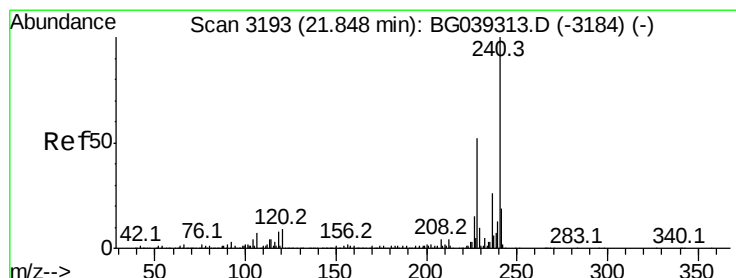
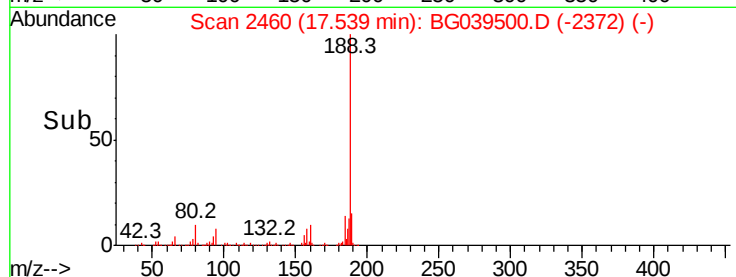
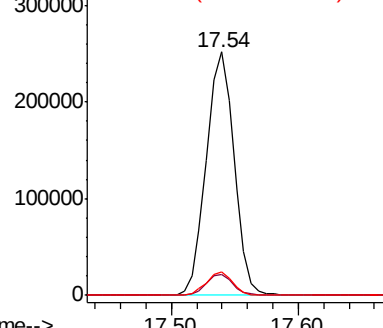
80 9.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039500.D

Acq: 13 Feb 2019 22:36

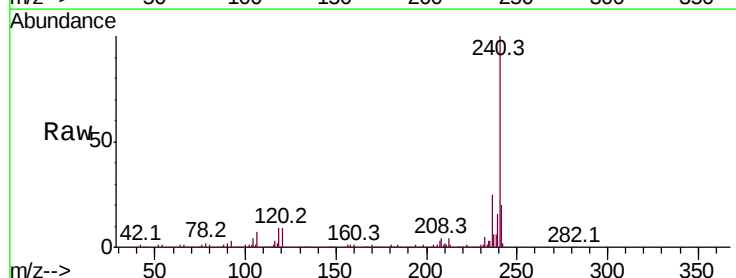
Tgt Ion:240 Resp: 400947

Ion Ratio Lower Upper

240 100

120 9.0 7.0 10.6

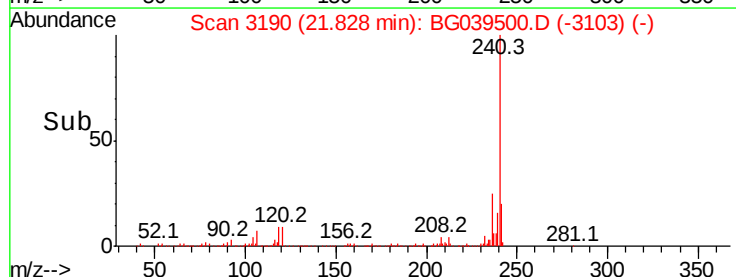
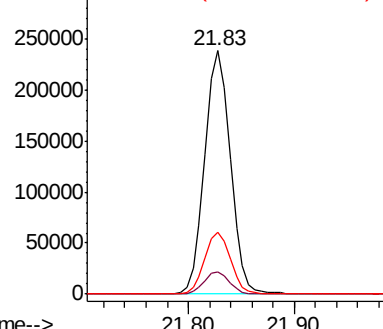
236 25.4 21.0 31.4

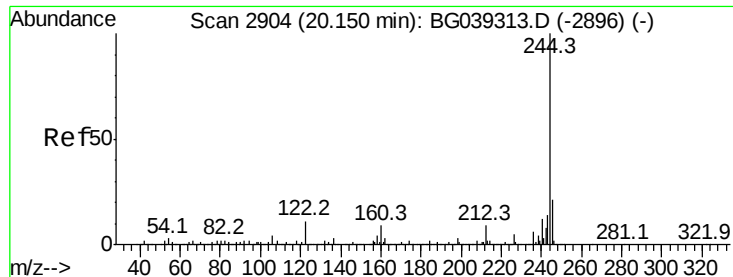


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

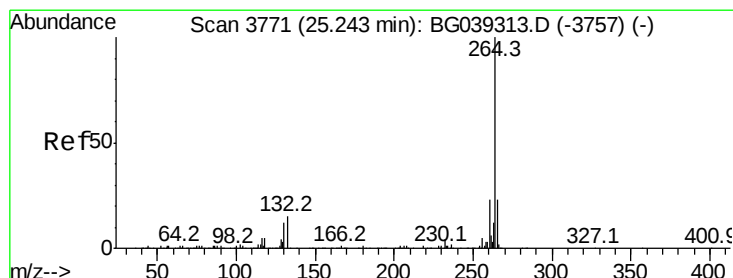
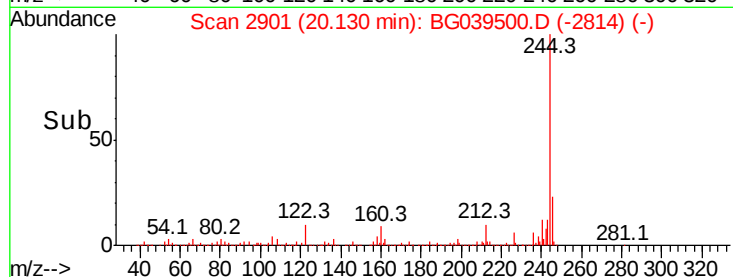
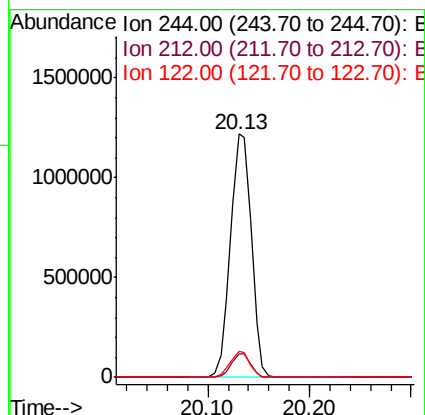
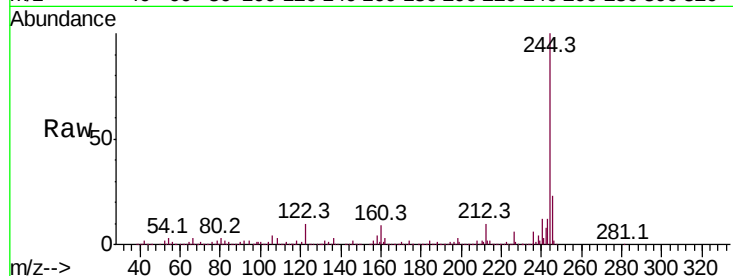




#79  
 Terphenyl-d14  
 Concen: 92.310 ng  
 RT: 20.13 min Scan# 2901  
 Delta R.T. -0.02 min  
 Lab File: BG039500.D  
 Acq: 13 Feb 2019 22:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-021119-H

Tot Ion:244 Resp: 1748551  
 Ion Ratio Lower Upper  
 244 100  
 212 9.8 7.3 10.9  
 122 10.4 8.4 12.6



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.21 min Scan# 3766  
 Delta R.T. -0.03 min  
 Lab File: BG039500.D  
 Acq: 13 Feb 2019 22:36

Tgt Ion:264 Resp: 386840  
 Ion Ratio Lower Upper  
 264 100  
 260 22.5 18.2 27.4  
 265 21.3 18.5 27.7

