

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\  
 Data File : BG021694.D  
 Acq On : 15 Apr 2016 20:36  
 Operator : UM/SJ  
 Sample : PB89849TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB89849TB

Quant Time: Apr 16 02:20:05 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 15:48:13 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.21  | 152  | 28341    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.03 | 136  | 120961   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.82 | 164  | 73961    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.56 | 188  | 182494   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.83 | 240  | 231040   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.16 | 264  | 227320   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.77  | 112  | 231035   | 135.75 | ng    | 0.01     |
| 7) Phenol-d6                | 7.37  | 99   | 318535   | 125.30 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 9.38  | 82   | 191843   | 81.52  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 121118   | 151.95 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 432162   | 85.61  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.14 | 244  | 771617   | 83.33  | ng    | 0.00     |

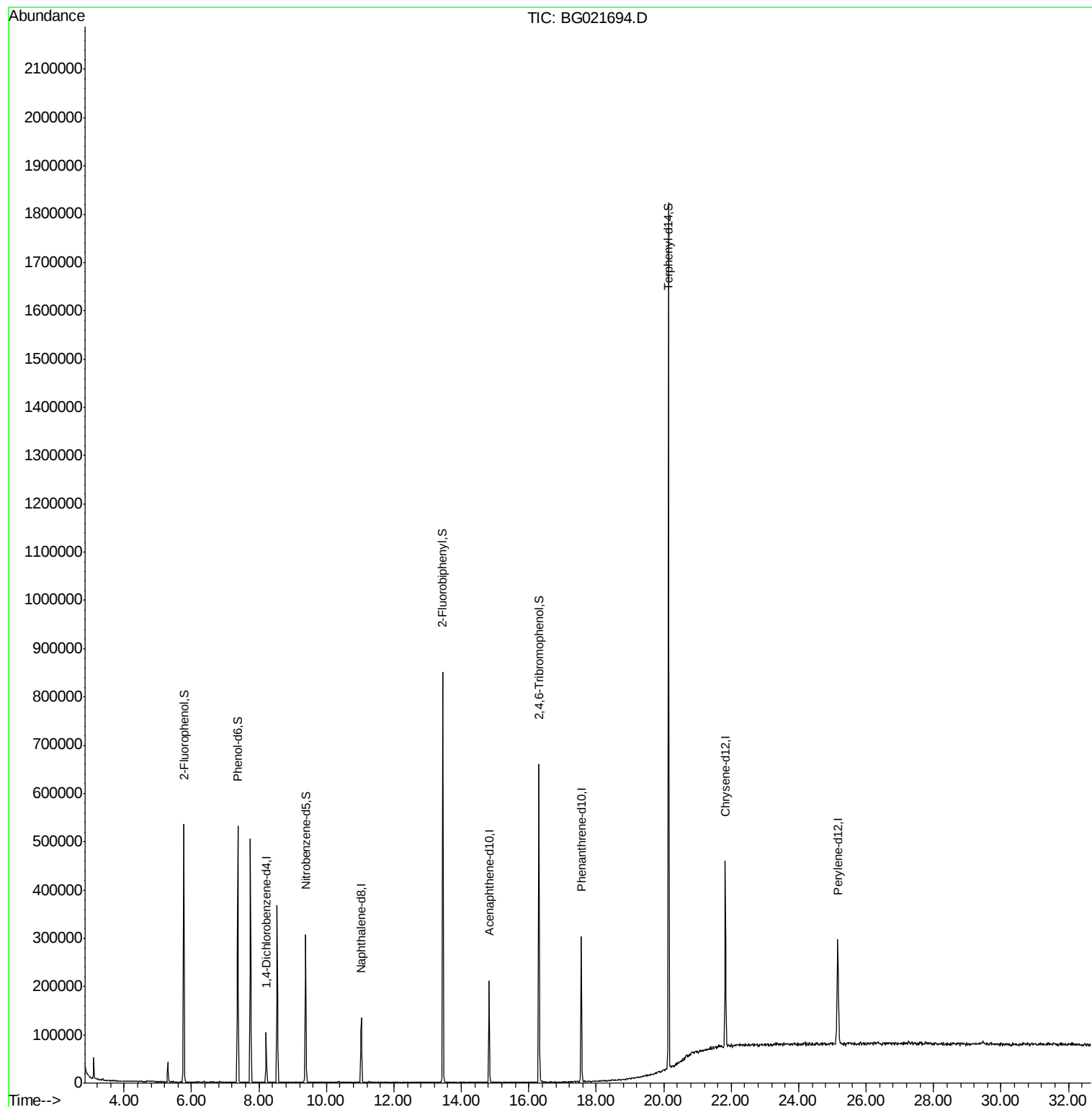
Target Compounds Qvalue

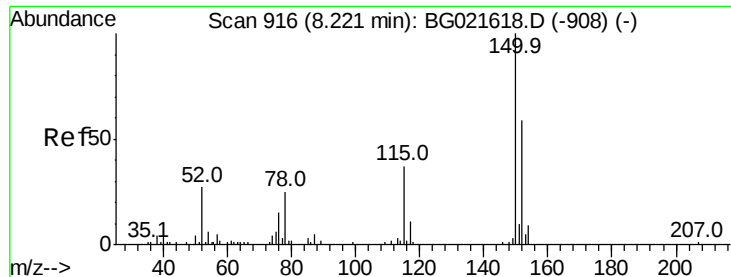
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021694.D

Acq: 15 Apr 2016 20:36

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BNA\_G

ClientSampleId :

PB89849TB

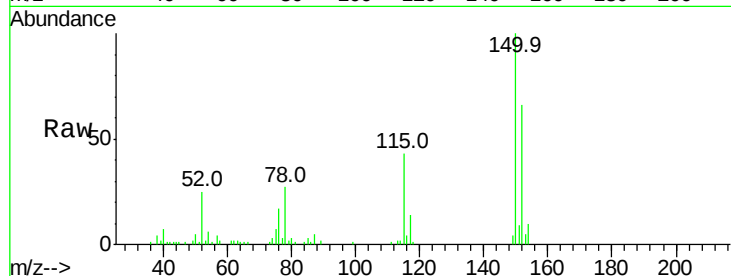
Tot Ion:152 Resp: 28341

Ion Ratio Lower Upper

152 100

150 151.7 130.1 195.1

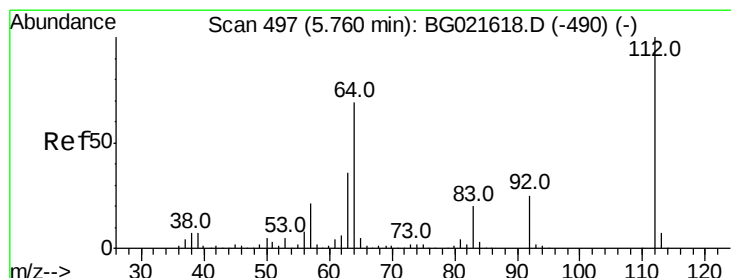
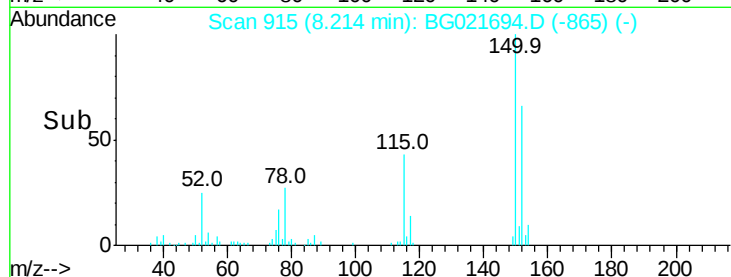
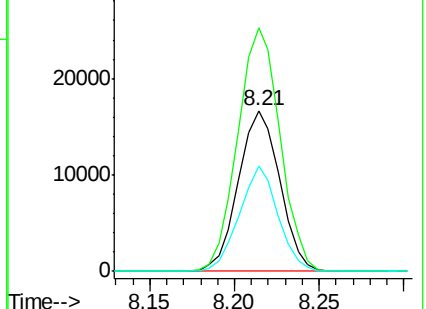
115 65.3 62.2 93.2



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: 135.75 ng

RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

Lab File: BG021694.D

Acq: 15 Apr 2016 20:36

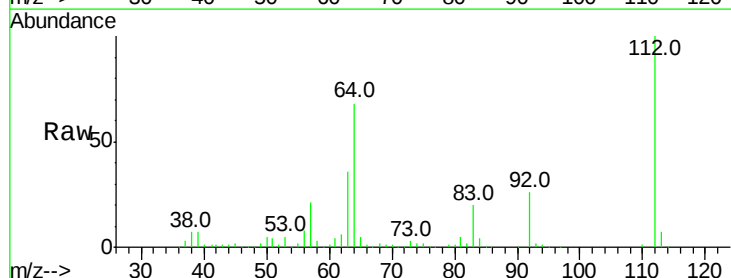
Tgt Ion:112 Resp: 231035

Ion Ratio Lower Upper

112 100

64 68.0 51.1 76.7

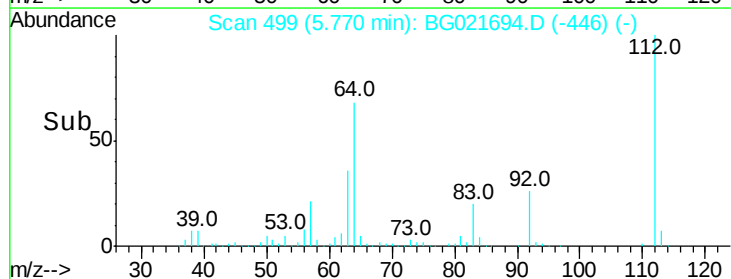
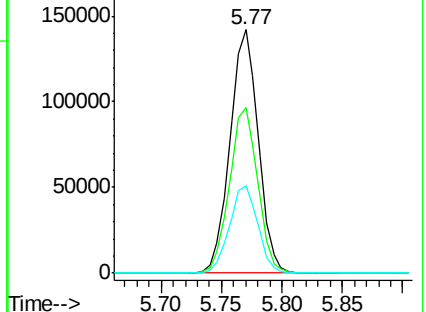
63 35.8 24.6 37.0

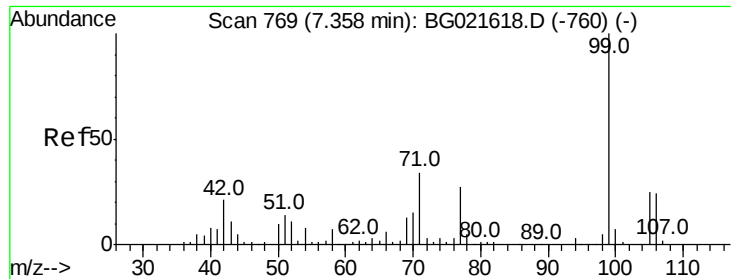


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.30 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021694.D

Acq: 15 Apr 2016 20:36

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BNA\_G

ClientSampleId :

PB89849TB

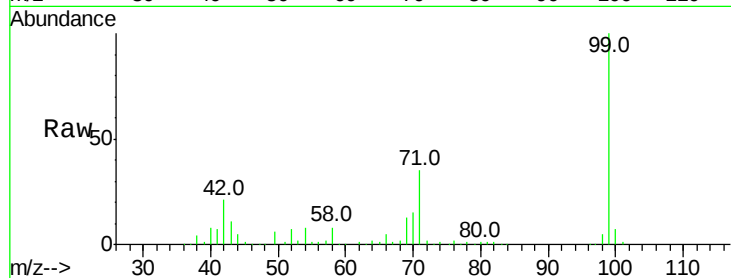
Tot Ion: 99 Resp: 318535

Ion Ratio Lower Upper

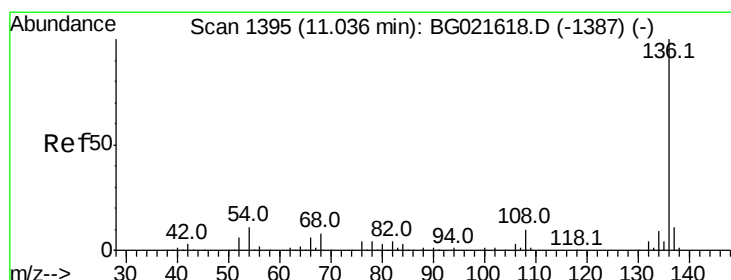
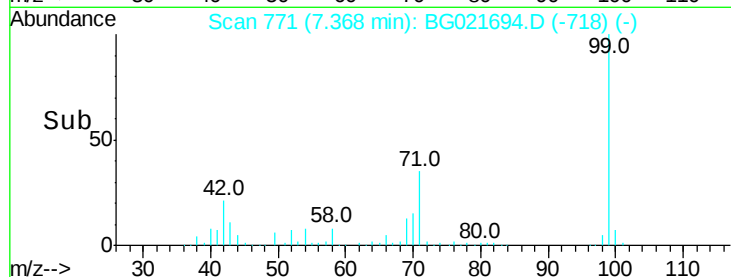
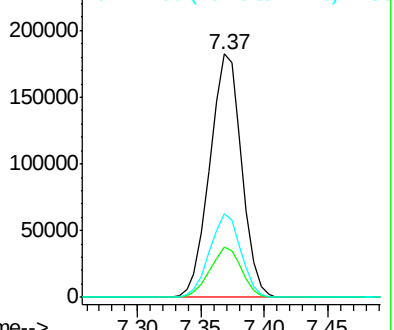
99 100

42 20.8 16.4 24.6

71 34.5 25.0 37.4



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: 20.00 ng

RT: 11.03 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BG021694.D

Acq: 15 Apr 2016 20:36

Tgt Ion: 136 Resp: 120961

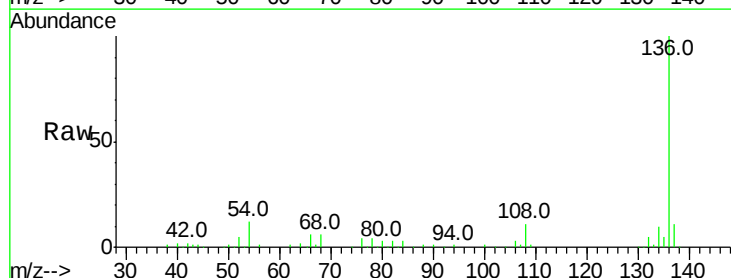
Ion Ratio Lower Upper

136 100

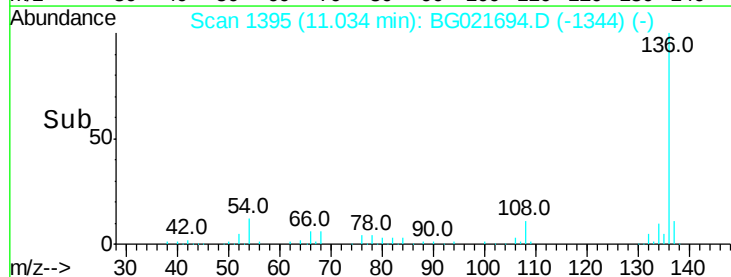
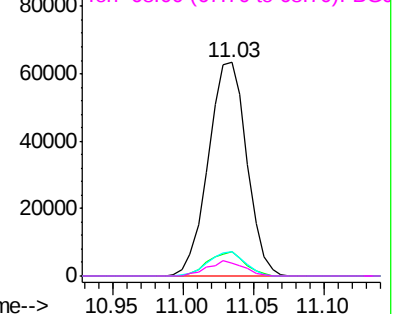
137 11.2 9.0 13.4

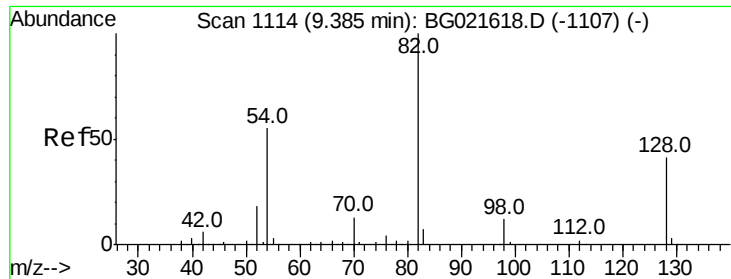
54 11.5 9.6 14.4

68 6.0 6.4 9.6#



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

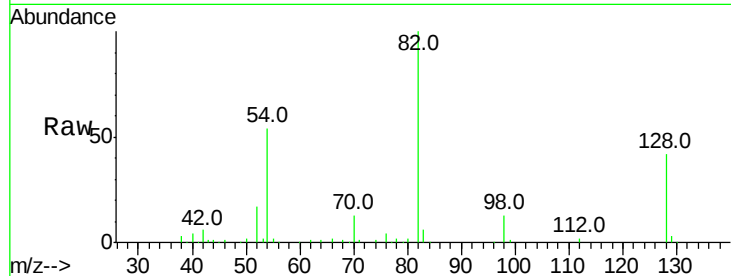




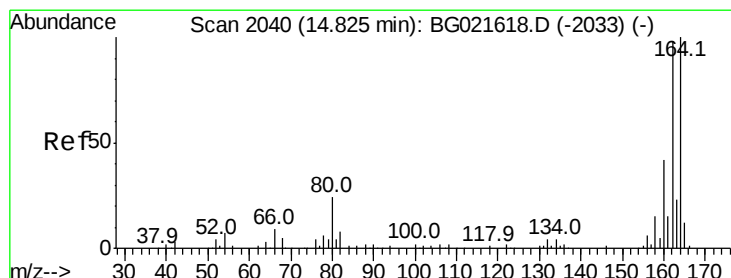
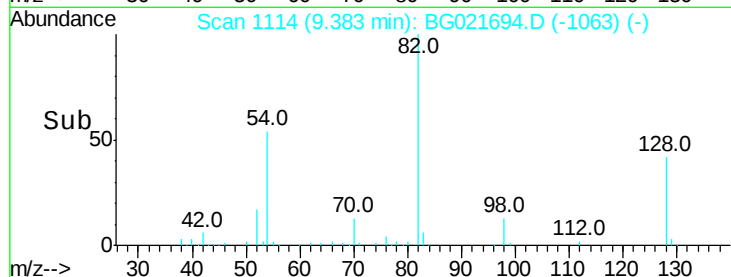
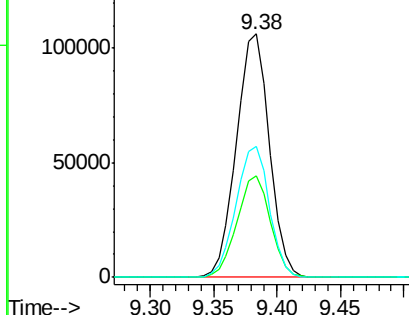
#23  
 Nitrobenzene-d5  
 Concen: 81.52 ng  
 RT: 9.38 min Scan# 1114  
 Delta R.T. -0.00 min  
 Lab File: BG021694.D  
 Acq: 15 Apr 2016 20:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB89849TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.7  | 33.4  | 50.0  |
| 54      | 53.7  | 46.1  | 69.1  |

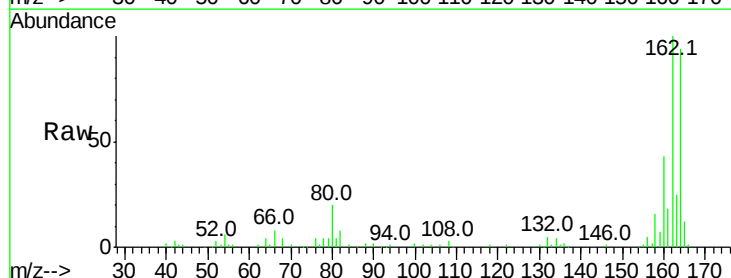


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

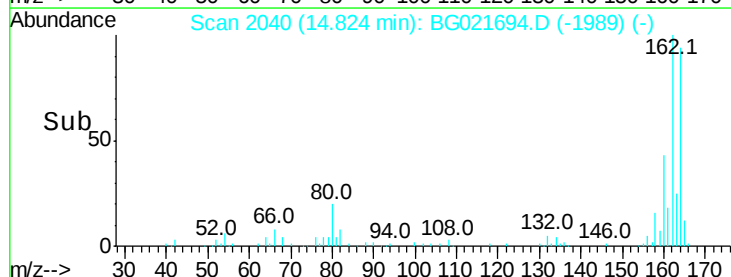
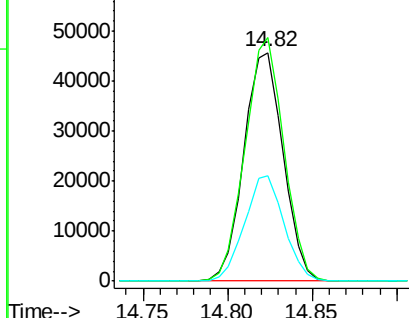


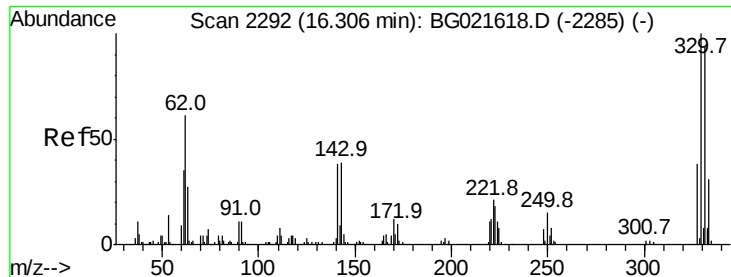
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.82 min Scan# 2040  
 Delta R.T. -0.00 min  
 Lab File: BG021694.D  
 Acq: 15 Apr 2016 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.6 | 78.0  | 117.0 |
| 160     | 46.0  | 32.9  | 49.3  |



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

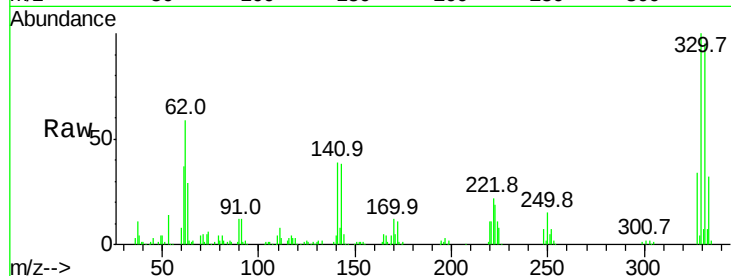




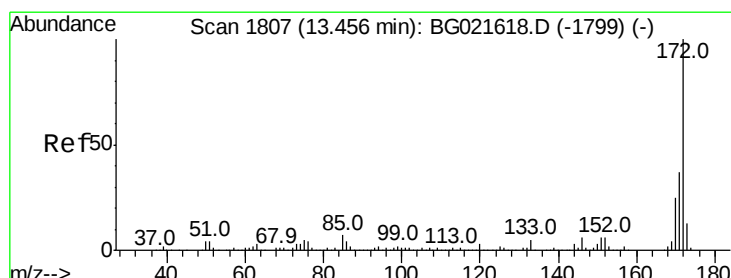
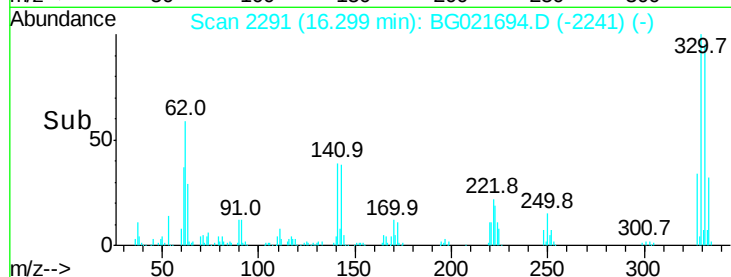
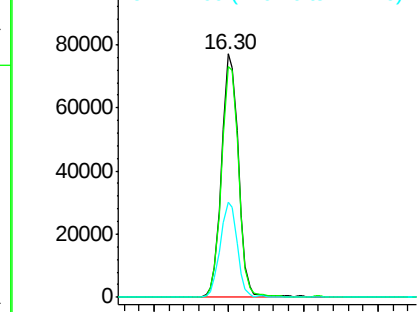
#41  
 2,4,6-Tribromophenol  
 Concen: 151.95 ng  
 RT: 16.30 min Scan# 2291  
 Delta R.T. -0.01 min  
 Lab File: BG021694.D  
 Acq: 15 Apr 2016 20:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB89849TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 78.0  | 117.0 |
| 141     | 39.5  | 33.8  | 50.8  |

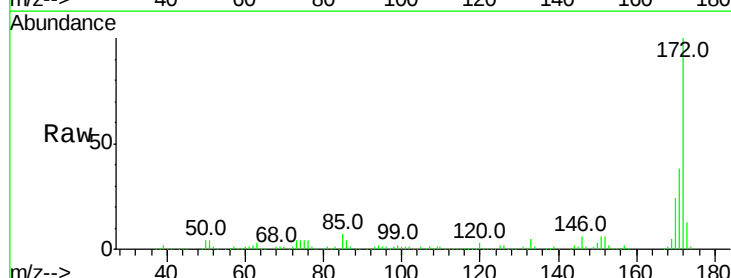


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

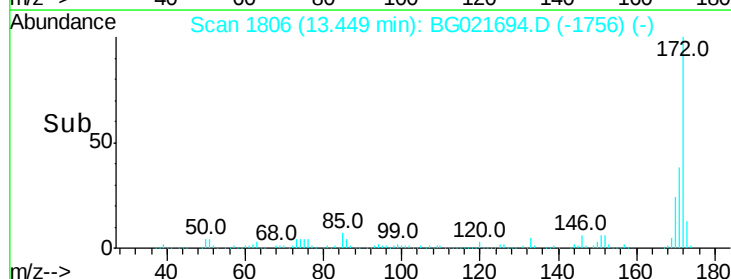
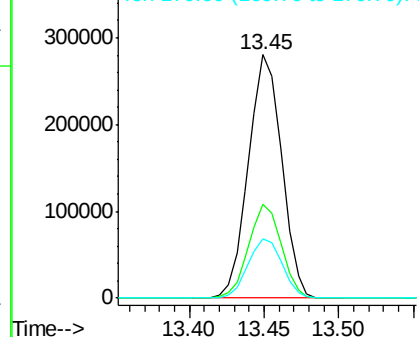


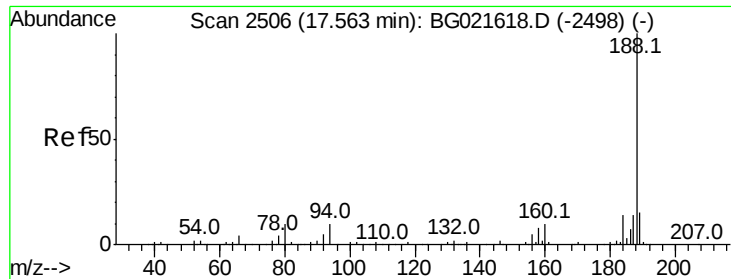
#44  
 2-Fluorobiphenyl  
 Concen: 85.61 ng  
 RT: 13.45 min Scan# 1806  
 Delta R.T. -0.01 min  
 Lab File: BG021694.D  
 Acq: 15 Apr 2016 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 27.8  | 41.6  |
| 170     | 24.2  | 19.6  | 29.4  |



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

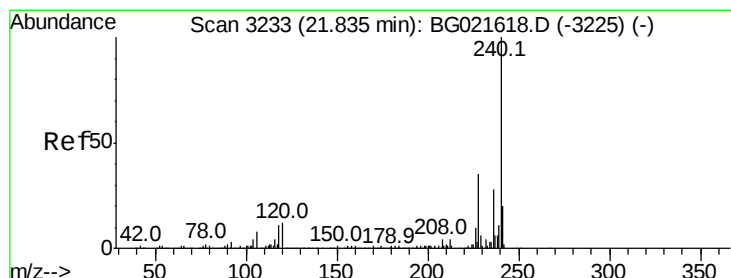
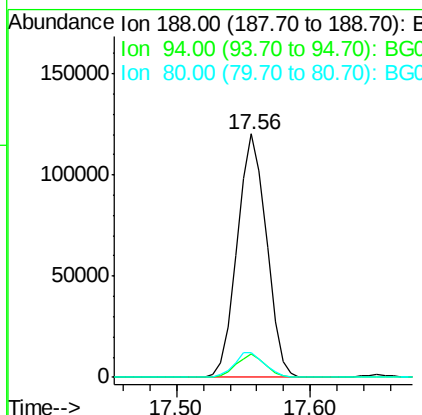
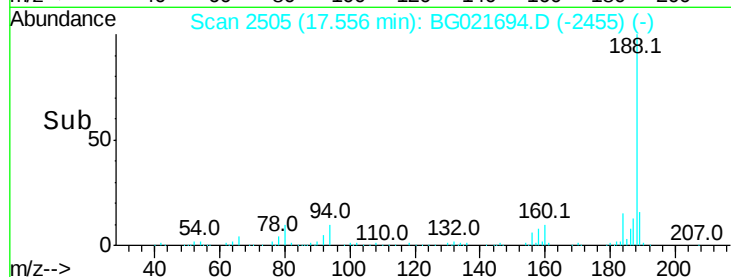
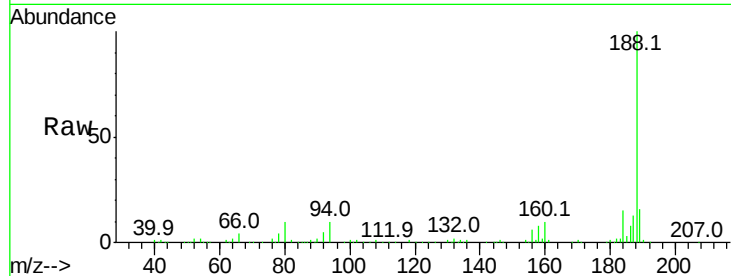




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 2505  
Delta R.T. -0.01 min  
Lab File: BG021694.D  
Acq: 15 Apr 2016 20:36

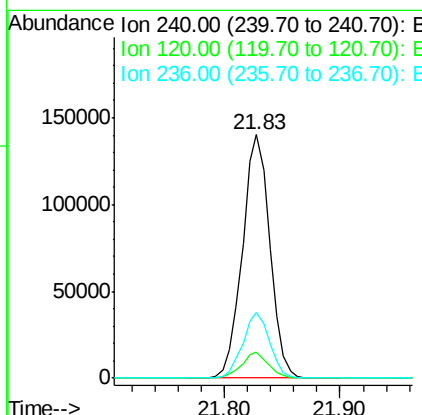
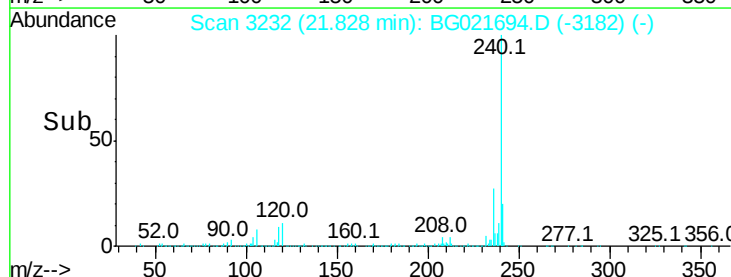
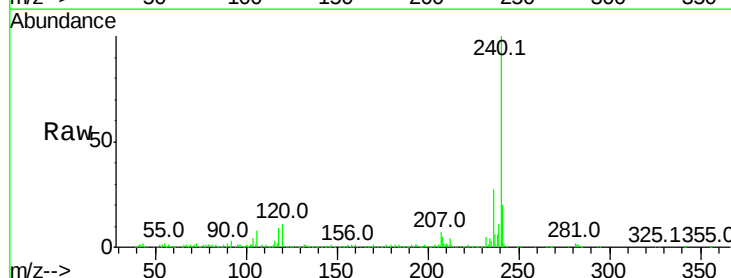
Instrument :  
BNA\_G  
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PB89849TB

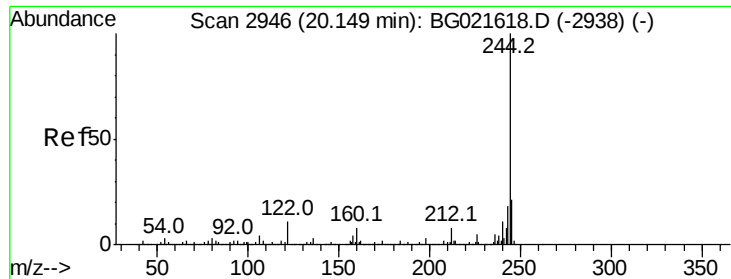
Tot Ion:188 Resp: 182494  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.5 11.3  
80 10.3 8.6 13.0



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.83 min Scan# 3232  
Delta R.T. -0.01 min  
Lab File: BG021694.D  
Acq: 15 Apr 2016 20:36

Tgt Ion:240 Resp: 231040  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.4 12.6  
236 26.9 19.6 29.4

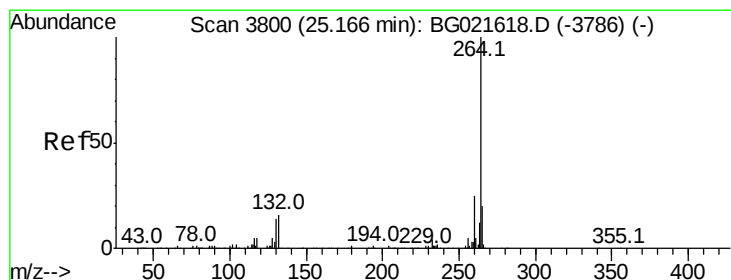
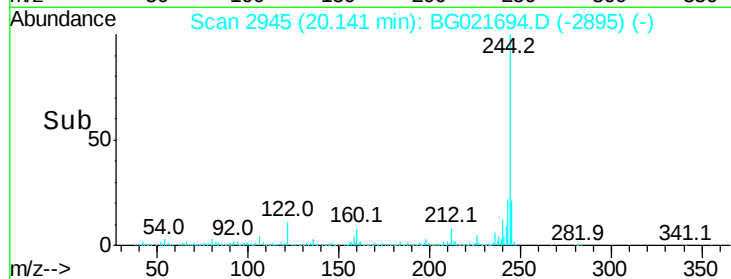
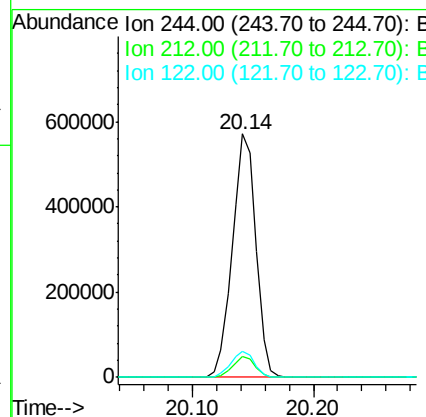
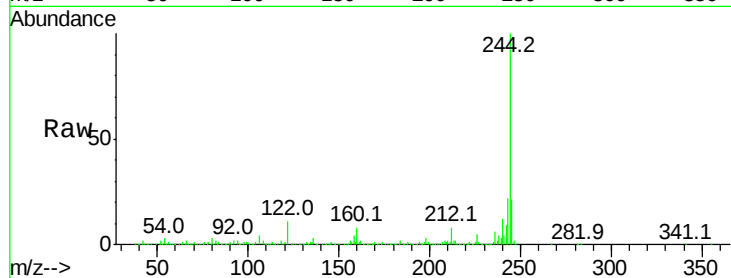




#78  
 Terphenyl-d14  
 Concen: 83.33 ng  
 RT: 20.14 min Scan# 2945  
 Delta R.T. -0.01 min  
 Lab File: BG021694.D  
 Acq: 15 Apr 2016 20:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB89849TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.4   | 6.5   | 9.7   |
| 122     | 11.0  | 8.6   | 12.8  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.16 min Scan# 3799  
 Delta R.T. -0.01 min  
 Lab File: BG021694.D  
 Acq: 15 Apr 2016 20:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 20.2  | 30.4  |
| 265     | 21.8  | 17.8  | 26.8  |

