

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071216\  
 Data File : BG023046.D  
 Acq On : 12 Jul 2016 21:25  
 Operator : UM/SJ  
 Sample : PB92070BL  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB92070BL

Quant Time: Jul 13 01:45:25 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 12 18:30:58 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 93451    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 455284   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 378794   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.56 | 188  | 881644   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.86 | 240  | 943862   | 20.00  | ng    | 0.02     |
| 86) Perylene-d12            | 25.25 | 264  | 937344   | 20.00  | ng    | 0.07     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 815701   | 142.76 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 1290352  | 144.18 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 918880   | 86.42  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 725658   | 106.59 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 2011016  | 83.62  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.16 | 244  | 2850931  | 104.60 | ng    | 0.00     |

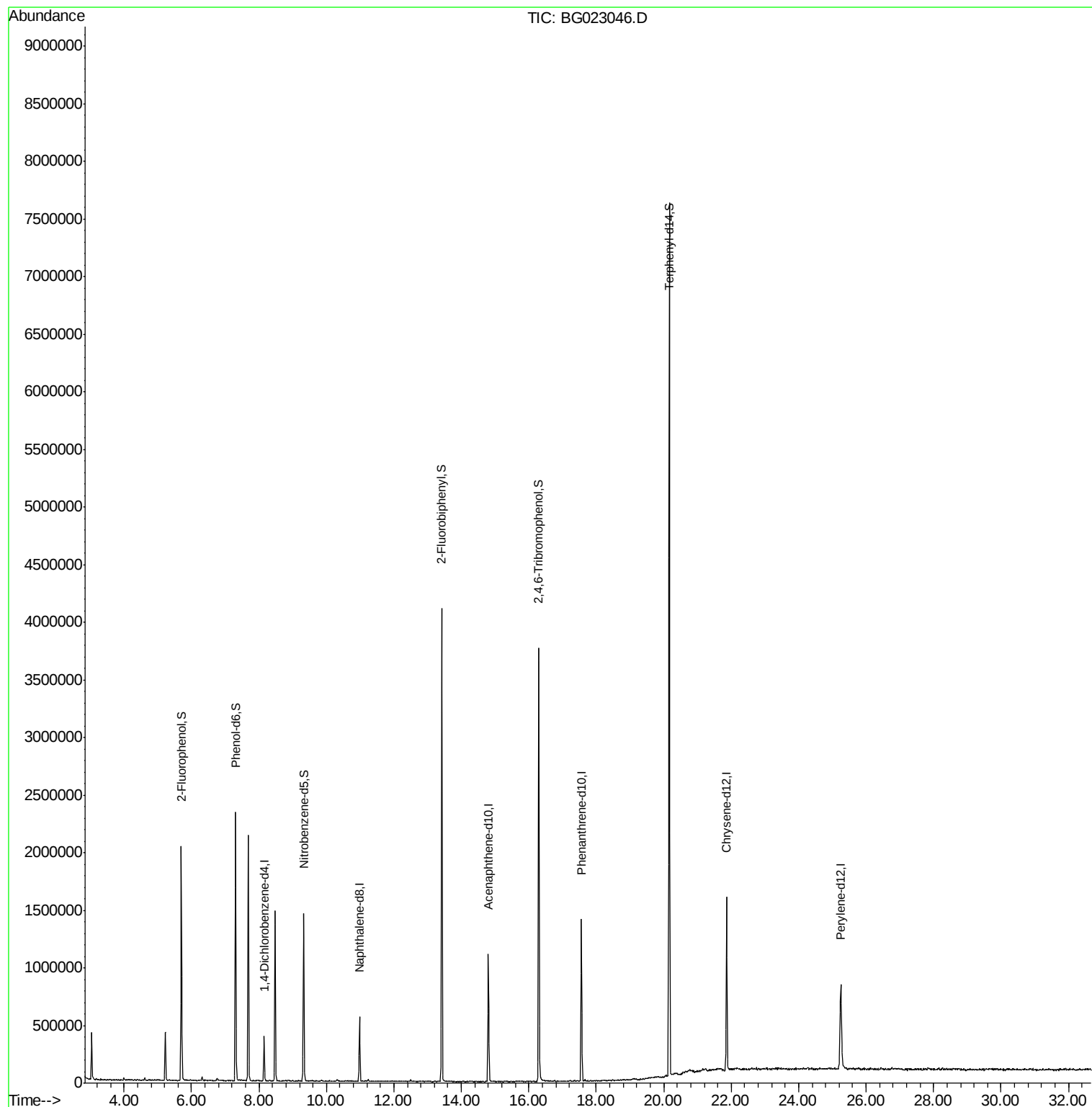
Target Compounds Qvalue

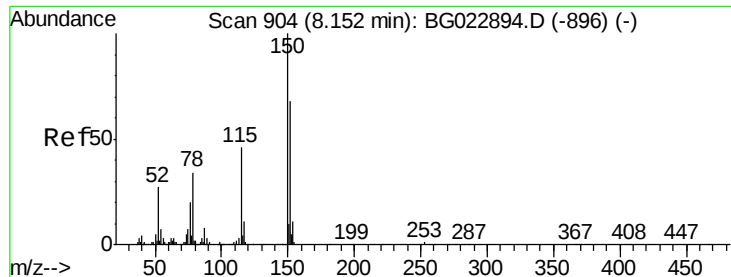
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 12 18:30:58 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. 0.00 min

Lab File: BG023046.D

Acq: 12 Jul 2016 21:25

Instrument :

BNA\_G

ClientSampleId :

PB92070BL

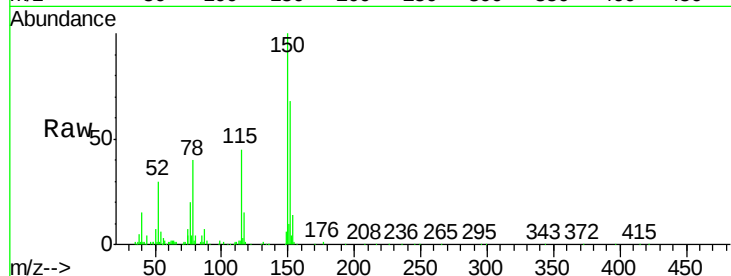
Tot Ion:152 Resp: 93451

Ion Ratio Lower Upper

152 100

150 146.3 144.7 217.1

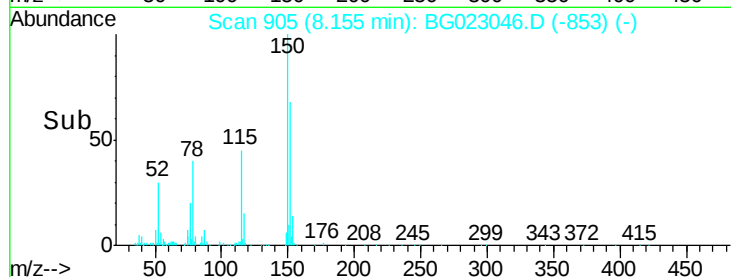
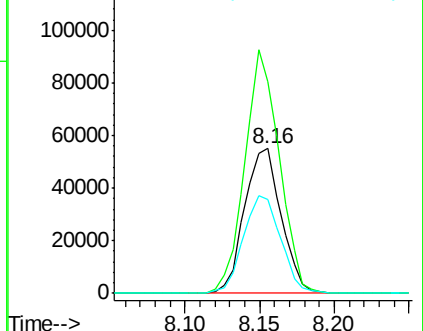
115 65.1 64.0 96.0



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: 142.76 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG023046.D

Acq: 12 Jul 2016 21:25

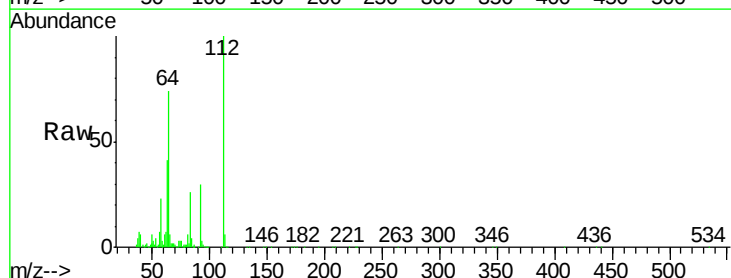
Tgt Ion:112 Resp: 815701

Ion Ratio Lower Upper

112 100

64 74.3 59.0 88.4

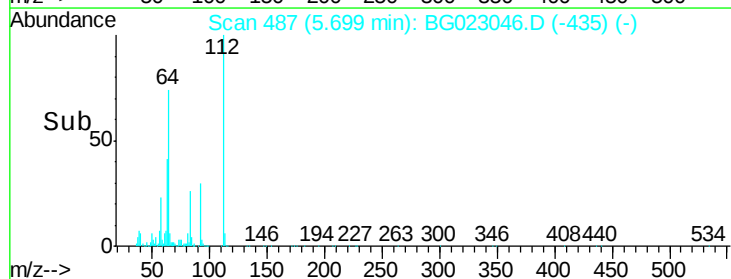
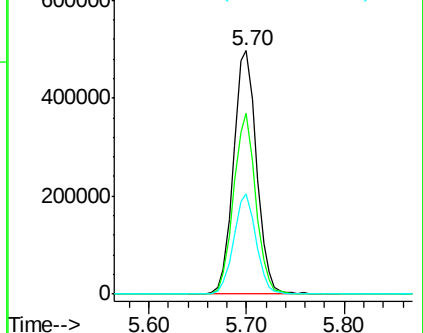
63 41.3 37.8 56.8

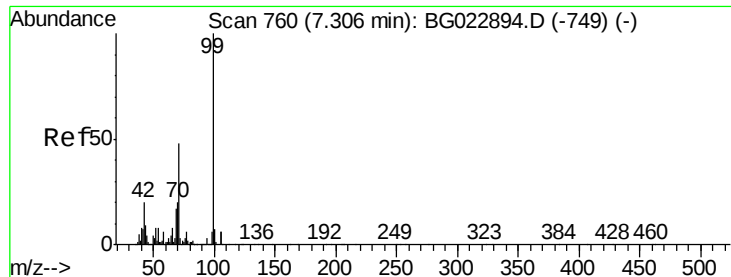


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 144.18 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023046.D

Acq: 12 Jul 2016 21:25

Instrument :

BNA\_G

ClientSampleId :

PB92070BL

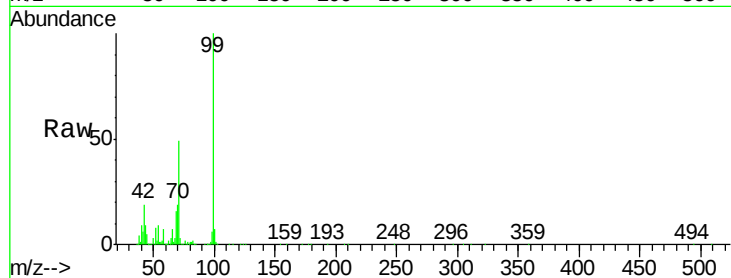
Tot Ion: 99 Resp: 1290352

Ion Ratio Lower Upper

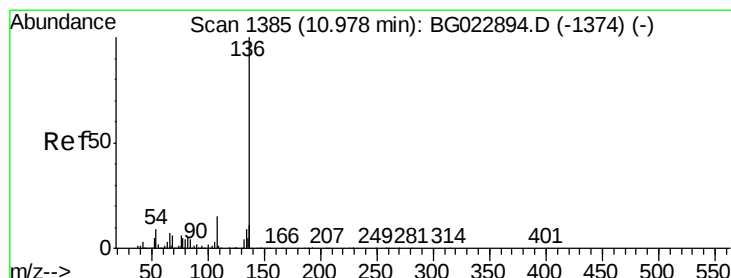
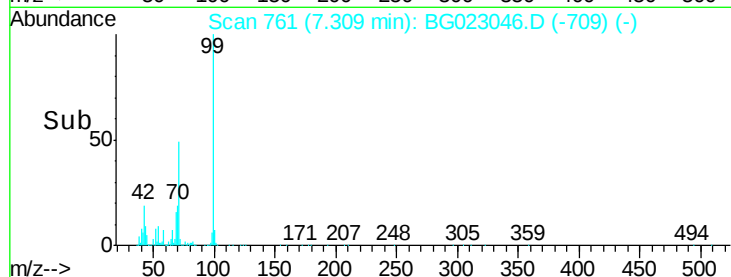
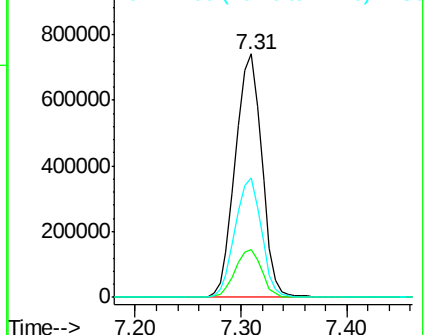
99 100

42 19.4 17.8 26.6

71 49.2 41.5 62.3



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: 10.98 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BG023046.D

Acq: 12 Jul 2016 21:25

Tgt Ion: 136 Resp: 455284

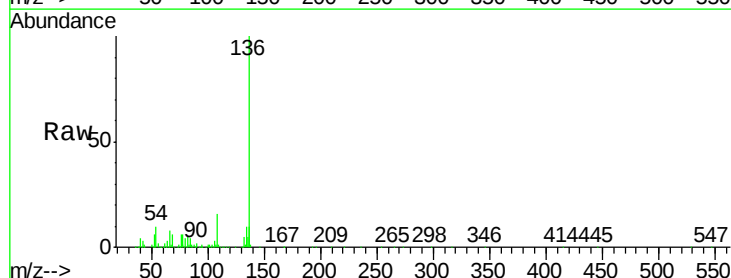
Ion Ratio Lower Upper

136 100

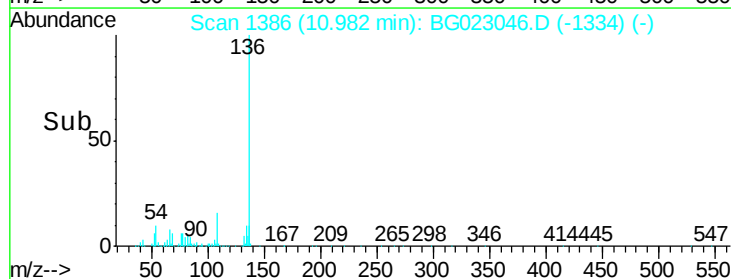
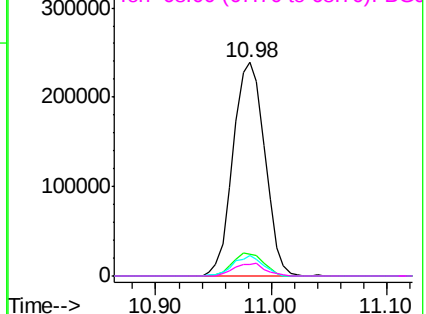
137 10.4 9.6 14.4

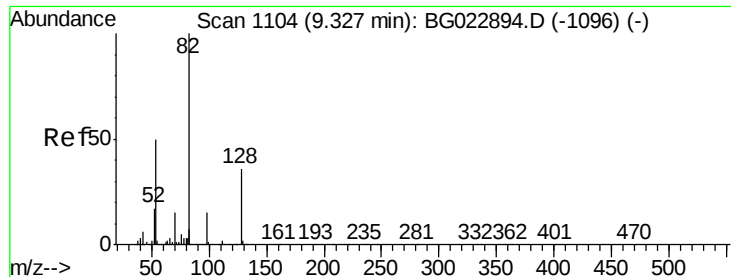
54 9.8 7.3 10.9

68 5.7 5.3 7.9



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

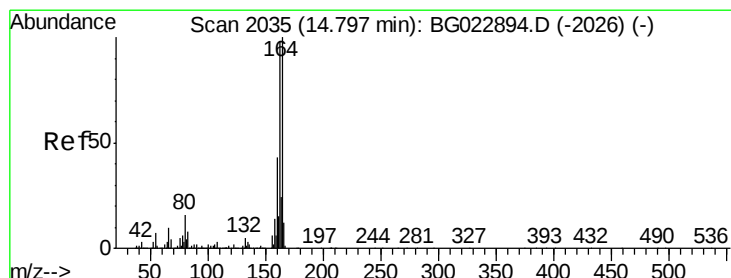
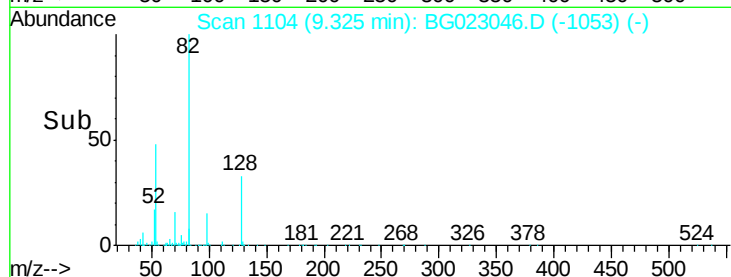
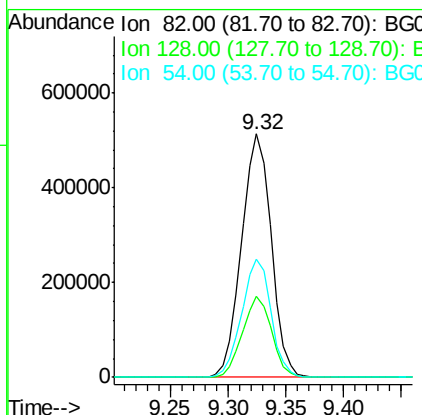
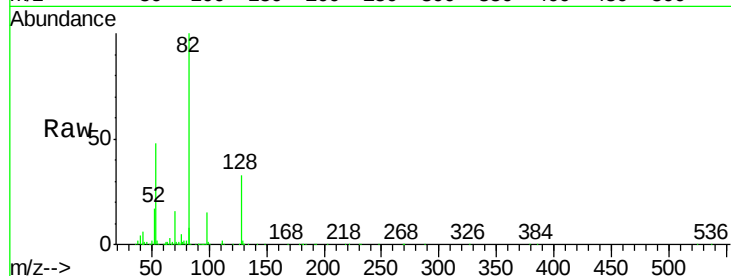




#23  
 Nitrobenzene-d5  
 Concen: 86.42 ng  
 RT: 9.32 min Scan# 1104  
 Delta R.T. -0.00 min  
 Lab File: BG023046.D  
 Acq: 12 Jul 2016 21:25

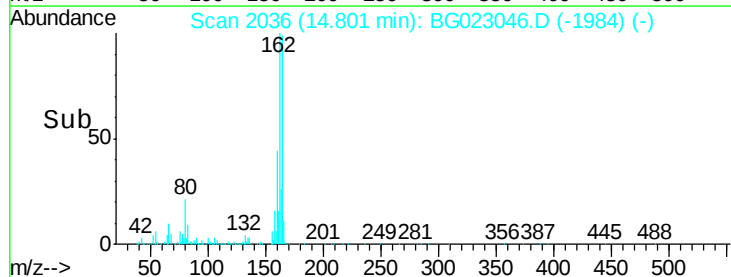
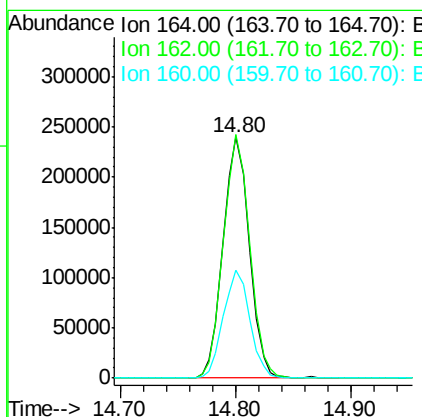
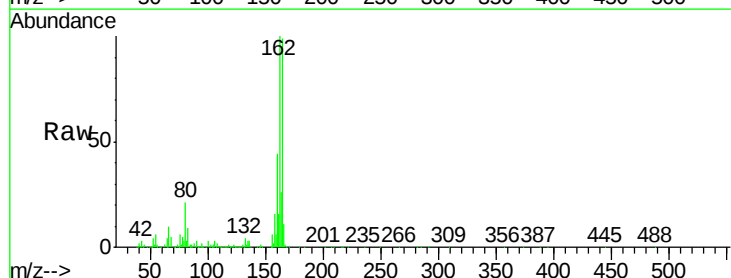
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB92070BL

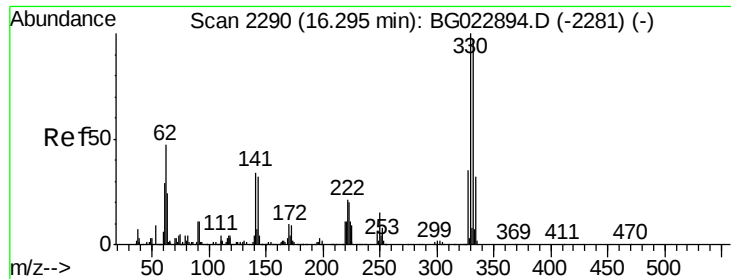
| Tot Ion   | 82    | Resp  | 918880 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 33.5  | 24.4  | 36.6   |
| 54        | 48.4  | 41.4  | 62.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: BG023046.D  
 Acq: 12 Jul 2016 21:25

| Tgt Ion   | 164   | Resp  | 378794 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.1 | 87.7  | 131.5  |
| 160       | 44.9  | 37.2  | 55.8   |

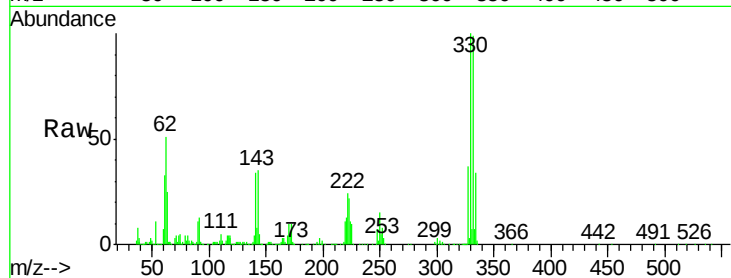




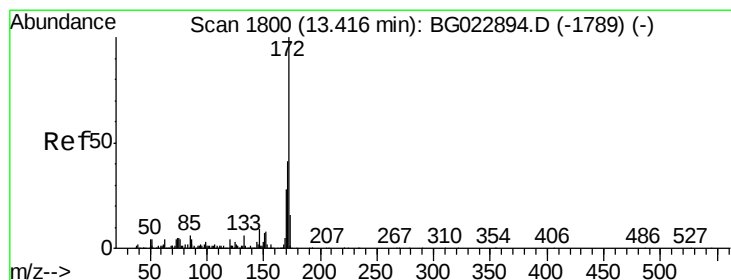
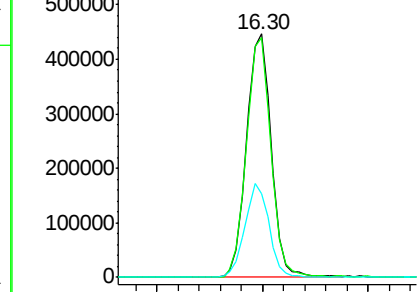
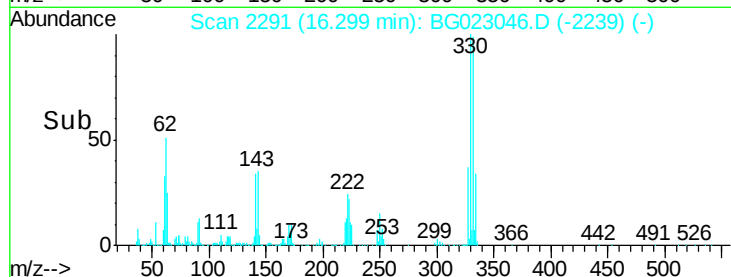
#41  
 2,4,6-Tribromophenol  
 Concen: 106.59 ng  
 RT: 16.30 min Scan# 2291  
 Delta R.T. 0.00 min  
 Lab File: BG023046.D  
 Acq: 12 Jul 2016 21:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB92070BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 77.4  | 116.2 |
| 141     | 37.6  | 31.7  | 47.5  |

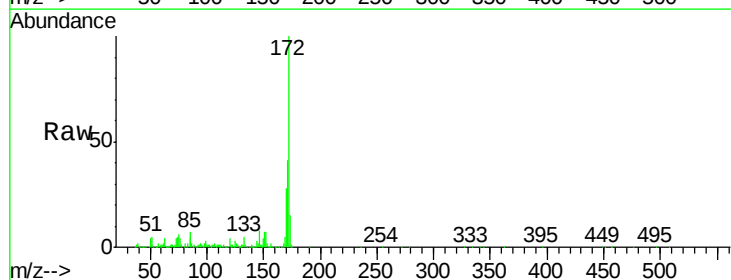


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

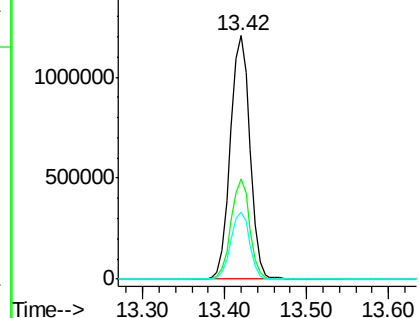
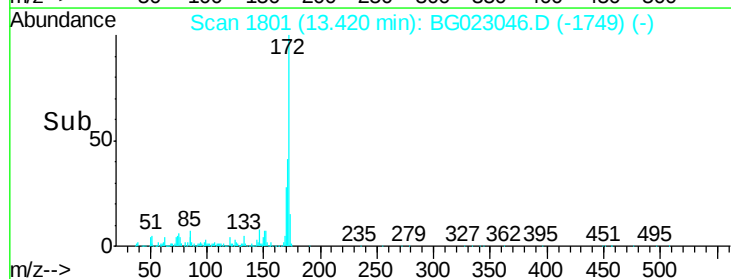


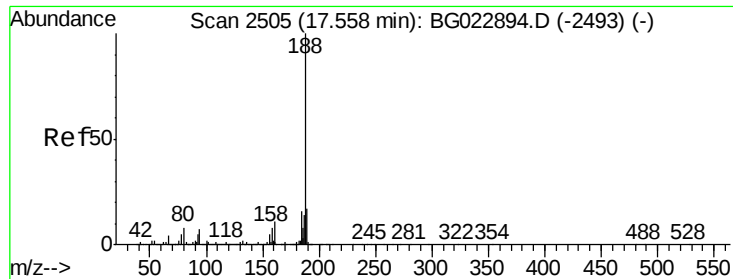
#44  
 2-Fluorobiphenyl  
 Concen: 83.62 ng  
 RT: 13.42 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: BG023046.D  
 Acq: 12 Jul 2016 21:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 40.9  | 31.6  | 47.4  |
| 170     | 27.6  | 21.3  | 31.9  |



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# 2506

Delta R.T. 0.00 min

Lab File: BG023046.D

Acq: 12 Jul 2016 21:25

Instrument :

BNA\_G

ClientSampleId :

PB92070BL

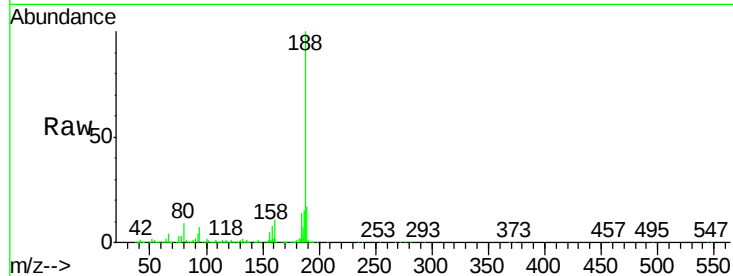
Tot Ion:188 Resp: 881644

Ion Ratio Lower Upper

188 100

94 7.2 5.2 7.8

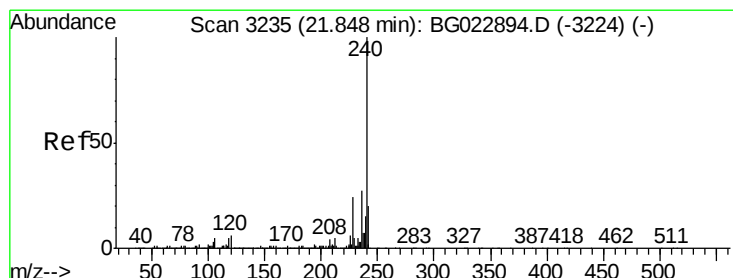
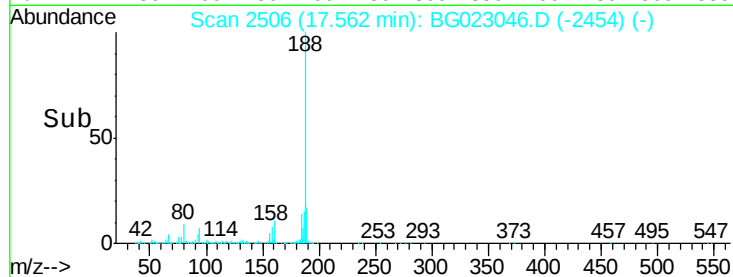
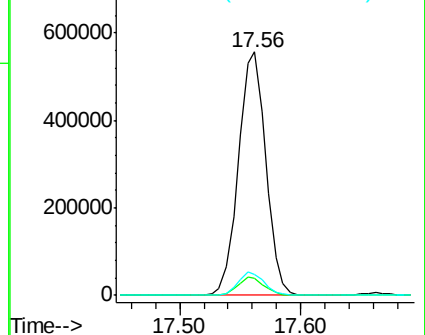
80 8.7 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3238

Delta R.T. 0.02 min

Lab File: BG023046.D

Acq: 12 Jul 2016 21:25

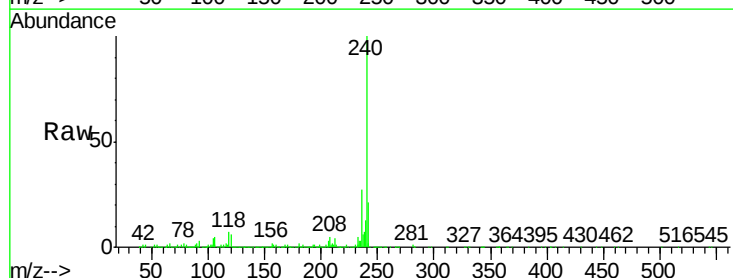
Tgt Ion:240 Resp: 943862

Ion Ratio Lower Upper

240 100

120 5.9 4.1 6.1

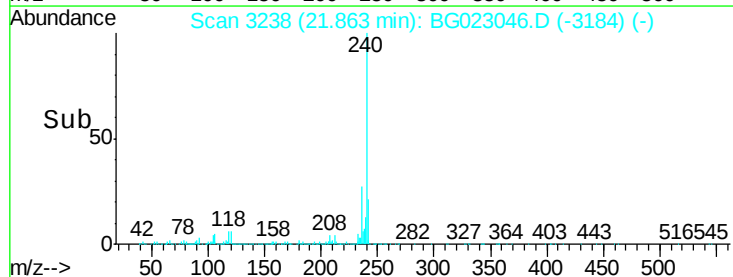
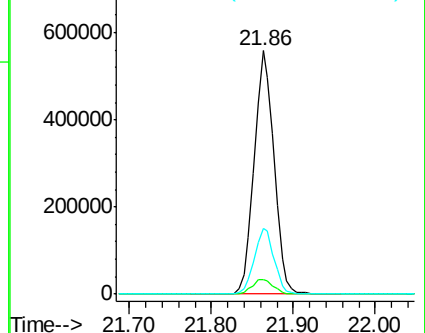
236 27.2 21.1 31.7

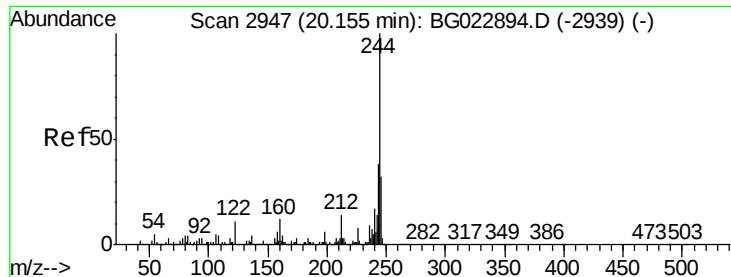


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 104.60 ng

RT: 20.16 min Scan# 2949

Delta R.T. 0.01 min

Lab File: BG023046.D

Acq: 12 Jul 2016 21:25

Instrument :

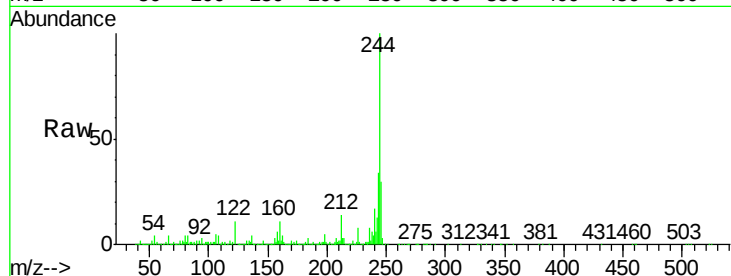
BNA\_G

ClientSampleId :

PB92070BL

Tot Ion:244 Resp: 2850931

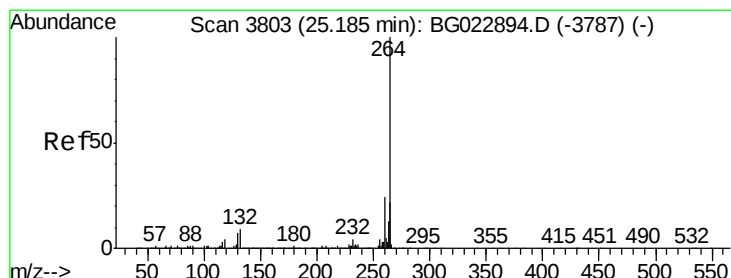
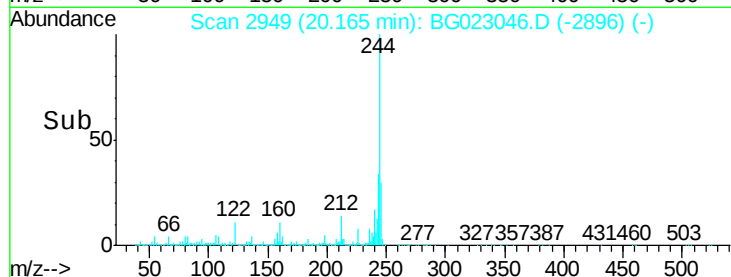
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 13.6  | 10.8  | 16.2  |
| 122 | 10.9  | 8.0   | 12.0  |



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.25 min Scan# 3815

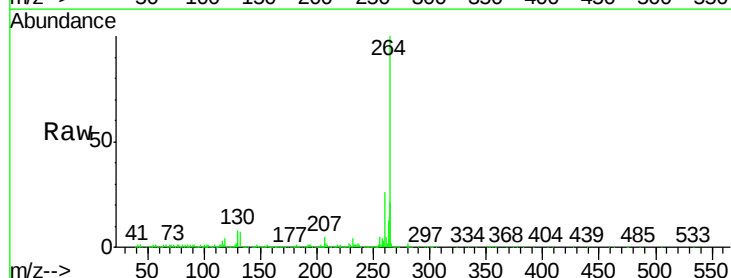
Delta R.T. 0.07 min

Lab File: BG023046.D

Acq: 12 Jul 2016 21:25

Tgt Ion:264 Resp: 937344

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.7  | 18.4  | 27.6  |
| 265 | 20.8  | 18.9  | 28.3  |



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

