

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\  
 Data File : BG021702.D  
 Acq On : 16 Apr 2016 1:53  
 Operator : UM/SJ  
 Sample : H2559-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB-BWR-BB-09-CS-3(8-17.5FTBGS)

Quant Time: Apr 16 03:48:52 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   | 8.22  | 152  | 30318    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.03 | 136  | 126442   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.82 | 164  | 80445    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.56 | 188  | 205180   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.83 | 240  | 236114   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.16 | 264  | 215780   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.77  | 112  | 257771   | 141.58 | ng    | 0.01     |
| 7) Phenol-d6                | 7.38  | 99   | 342271   | 125.86 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 9.39  | 82   | 237438   | 96.52  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 157061   | 181.16 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 535651   | 97.56  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.14 | 244  | 908109   | 95.97  | ng    | 0.00     |

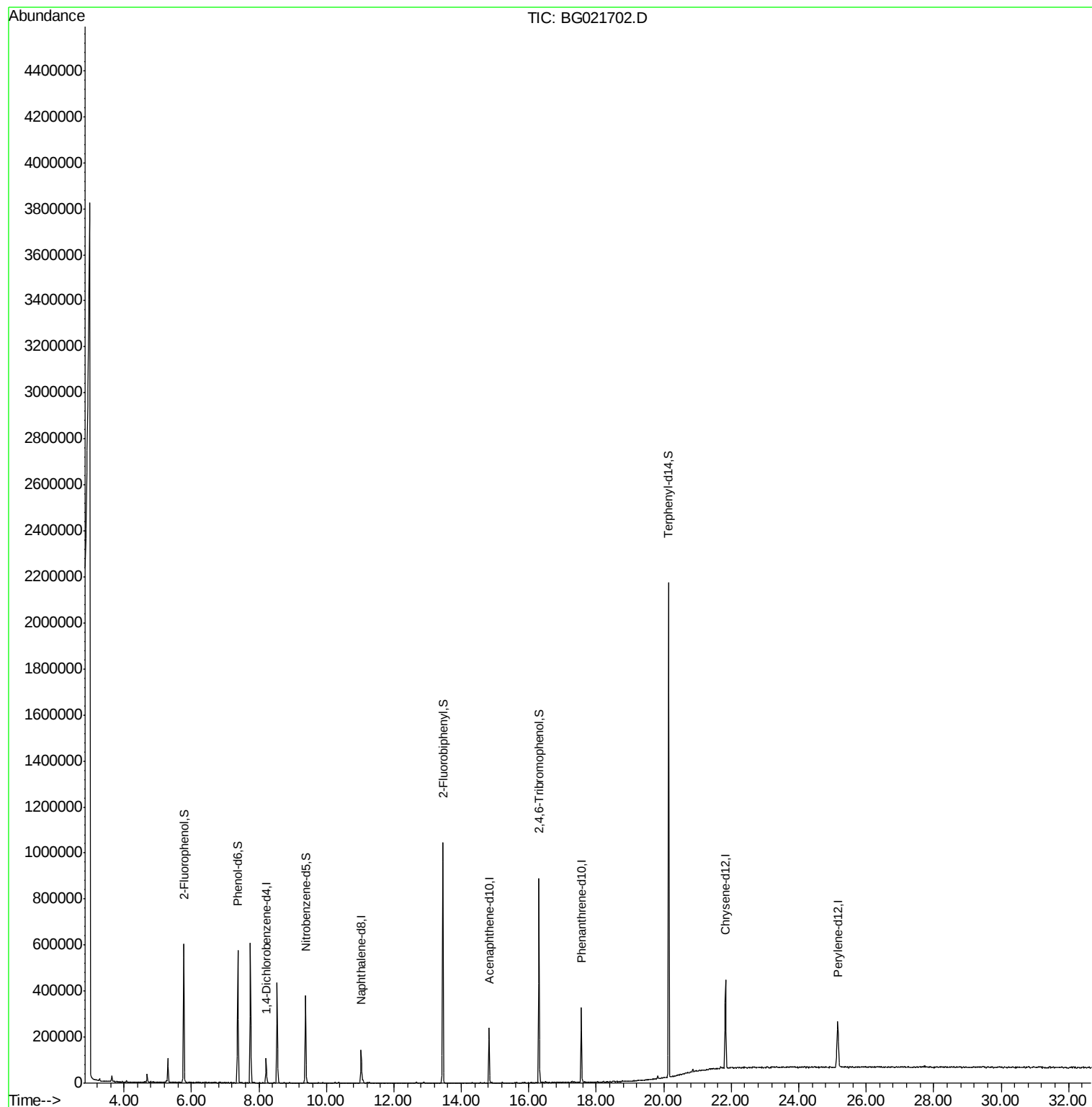
Target Compounds Qvalue

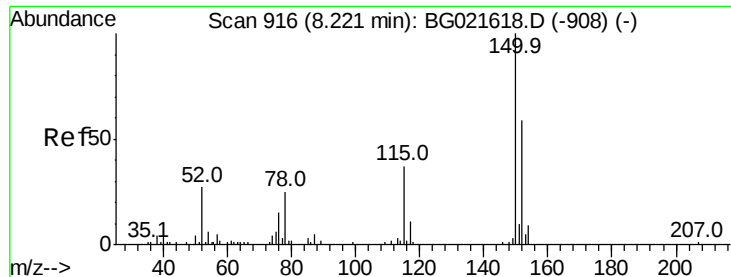
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 13 15:48:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 915

Delta R.T. -0.00 min

Lab File: BG021702.D

Acq: 16 Apr 2016 1:53

Instrument :

BNA\_G

ClientSampleId :

FB-BWR-BB-09-CS-3(8-17.5FTBGS)

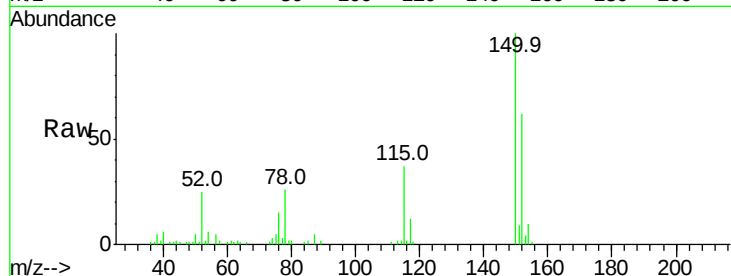
Tot Ion:152 Resp: 30318

Ion Ratio Lower Upper

152 100

150 161.5 130.1 195.1

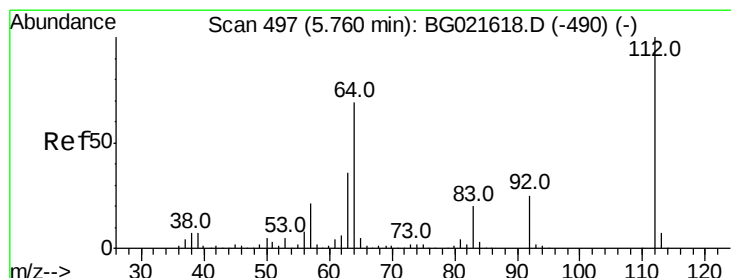
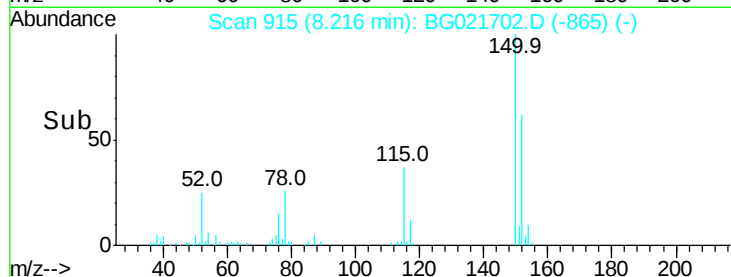
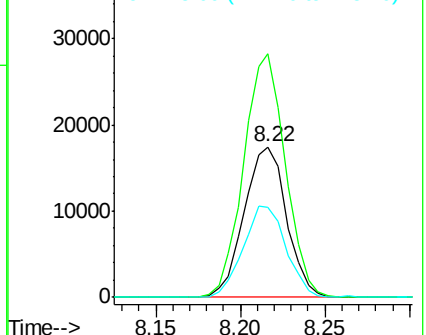
115 59.6 62.2 93.2#



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: 141.58 ng

RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

Lab File: BG021702.D

Acq: 16 Apr 2016 1:53

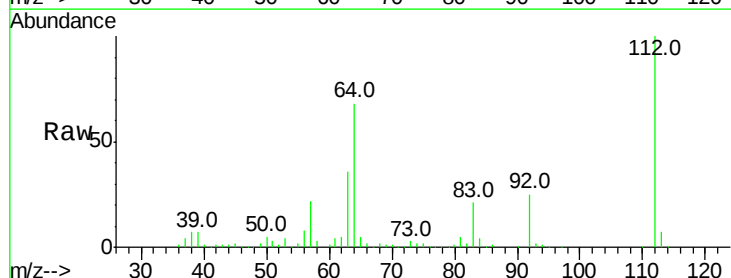
Tgt Ion:112 Resp: 257771

Ion Ratio Lower Upper

112 100

64 67.5 51.1 76.7

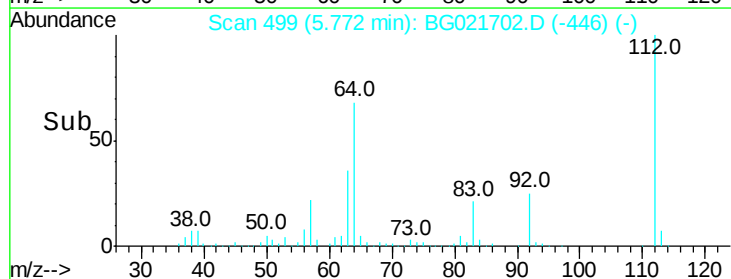
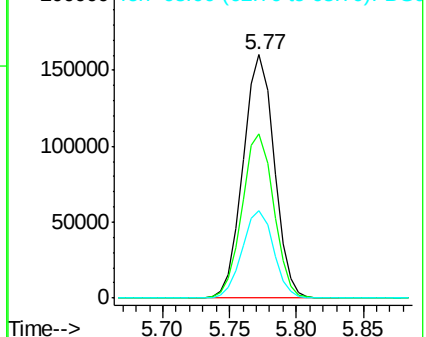
63 35.9 24.6 37.0

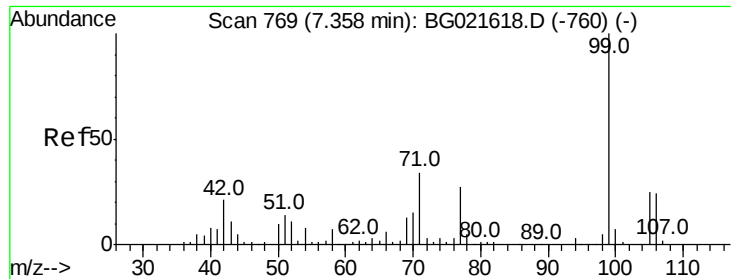


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.86 ng

RT: 7.38 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021702.D

Acq: 16 Apr 2016 1:53

Instrument :

BNA\_G

ClientSampleId :

FB-BWR-BB-09-CS-3(8-17.5FTBGS)

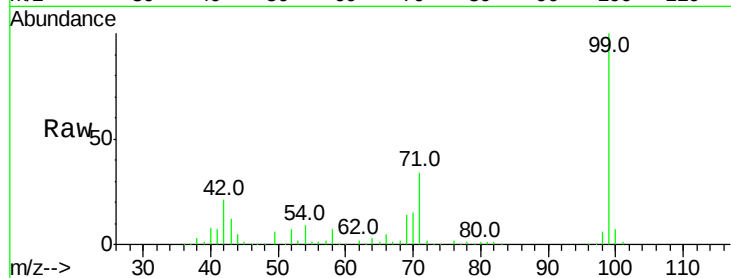
Tot Ion: 99 Resp: 342271

Ion Ratio Lower Upper

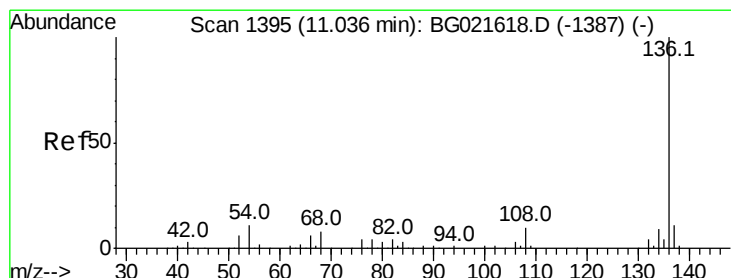
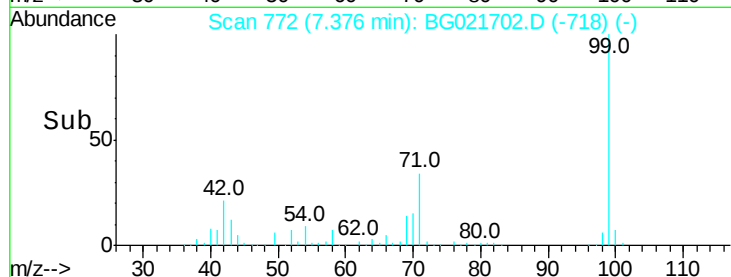
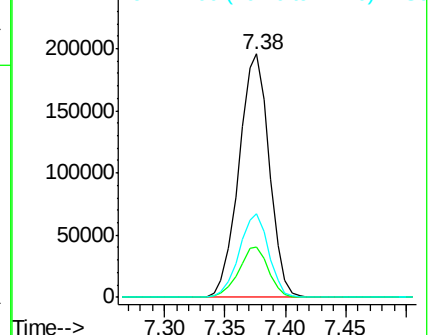
99 100

42 20.9 16.4 24.6

71 34.4 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# 1394

Delta R.T. -0.00 min

Lab File: BG021702.D

Acq: 16 Apr 2016 1:53

Tgt Ion: 136 Resp: 126442

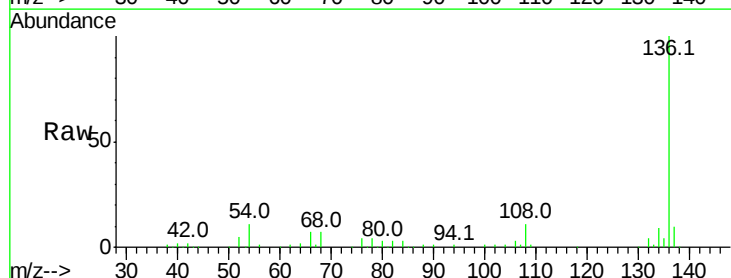
Ion Ratio Lower Upper

136 100

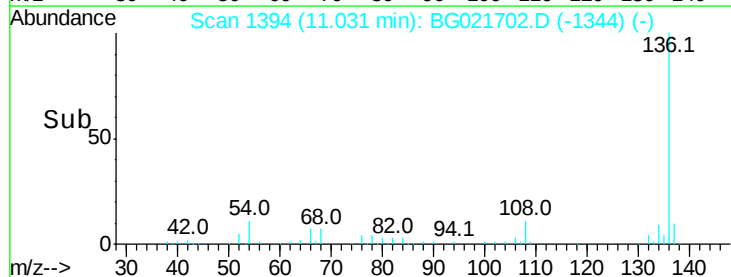
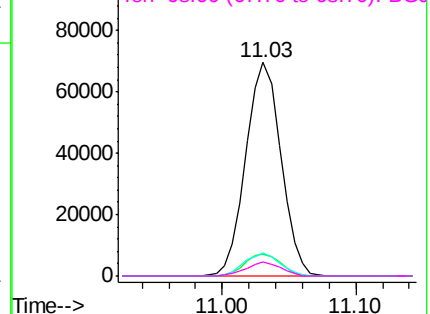
137 10.3 9.0 13.4

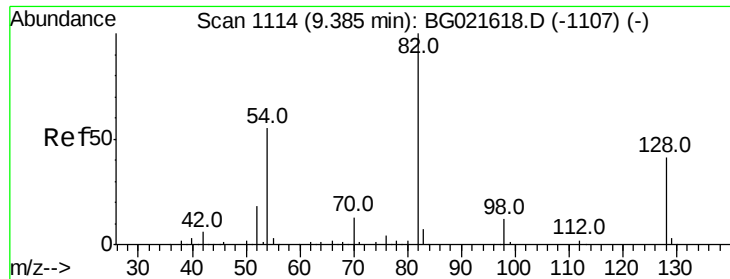
54 10.8 9.6 14.4

68 6.6 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

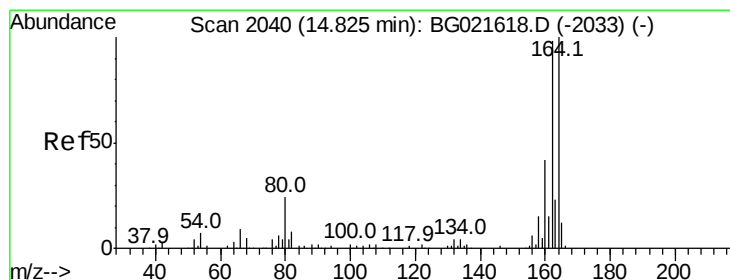
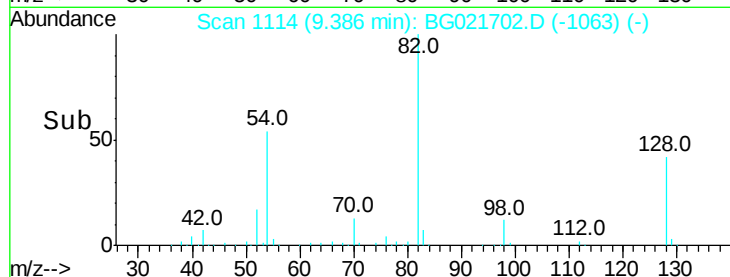
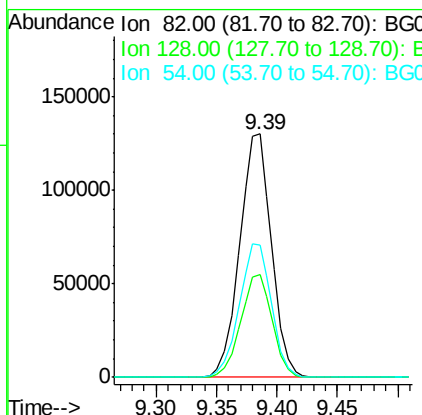
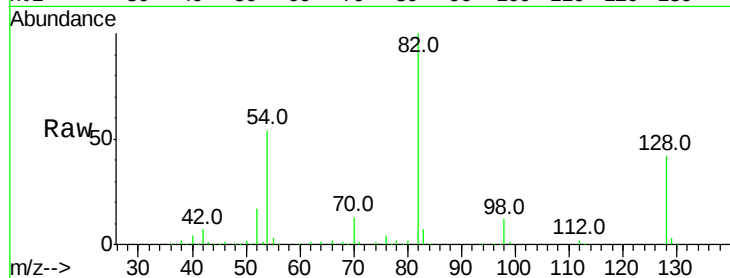




#23  
Nitrobenzene-d5  
Concen: 96.52 ng  
RT: 9.39 min Scan# 1114  
Delta R.T. 0.00 min  
Lab File: BG021702.D  
Acq: 16 Apr 2016 1:53

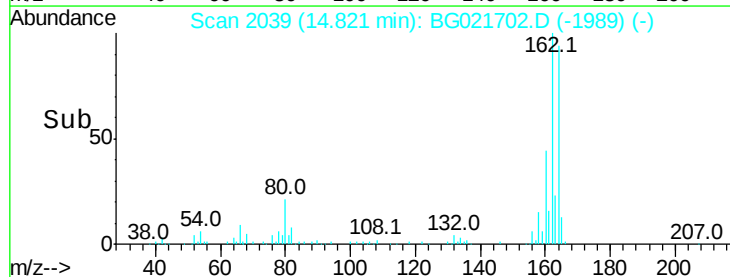
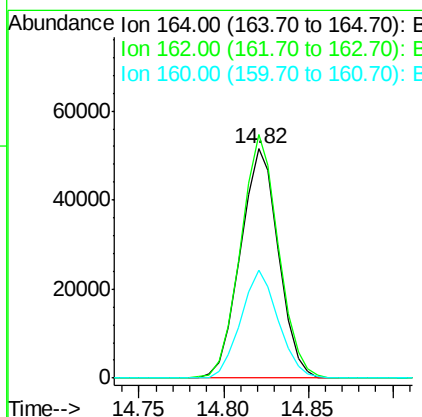
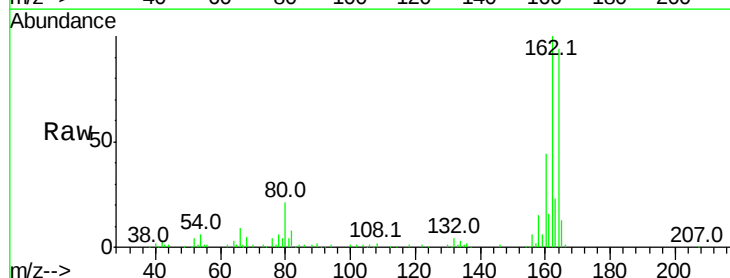
Instrument :  
BNA\_G  
ClientSampleId :  
FB-BWR-BB-09-CS-3(8-17.5FTBGS)

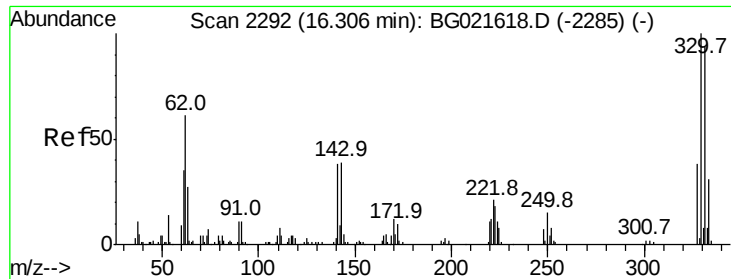
| Tot Ion   | 82   | Resp  | 237438 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 42.3 | 33.4  | 50.0   |
| 54        | 54.1 | 46.1  | 69.1   |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.82 min Scan# 2039  
Delta R.T. -0.00 min  
Lab File: BG021702.D  
Acq: 16 Apr 2016 1:53

| Tgt Ion   | 164   | Resp  | 80445 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 106.3 | 78.0  | 117.0 |
| 160       | 47.1  | 32.9  | 49.3  |

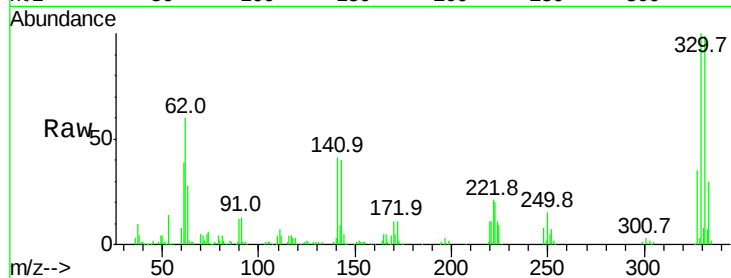




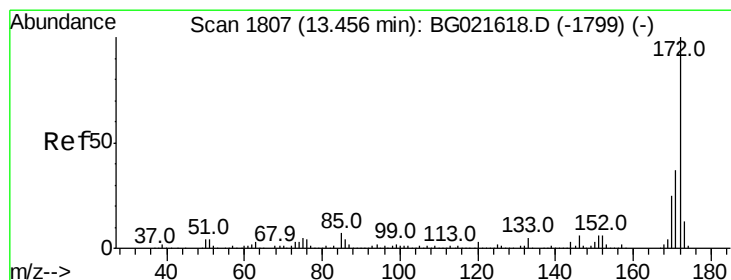
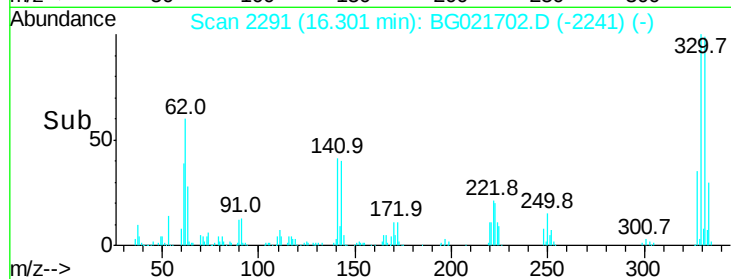
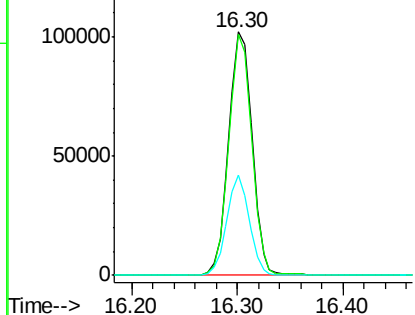
#41  
 2,4,6-Tribromophenol  
 Concen: 181.16 ng  
 RT: 16.30 min Scan# 2291  
 Delta R.T. -0.00 min  
 Lab File: BG021702.D  
 Acq: 16 Apr 2016 1:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB-BWR-BB-09-CS-3(8-17.5FTBGS)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 78.0  | 117.0 |
| 141     | 39.5  | 33.8  | 50.8  |

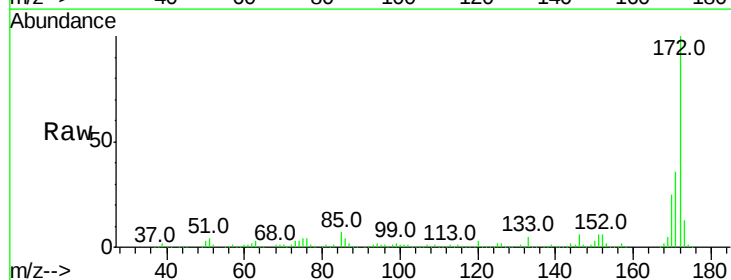


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

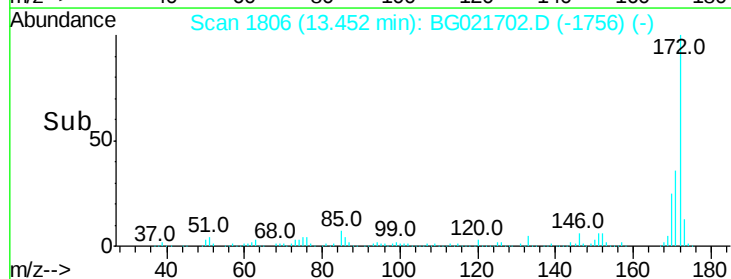
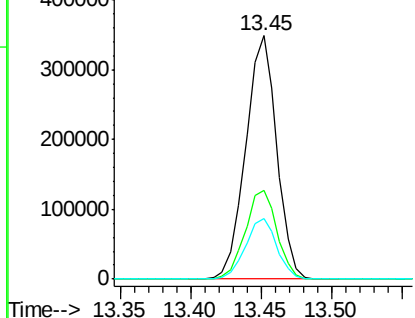


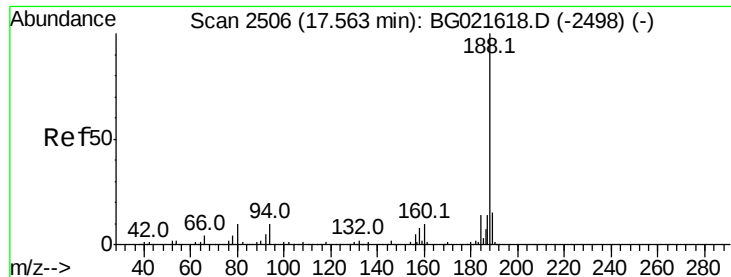
#44  
 2-Fluorobiphenyl  
 Concen: 97.56 ng  
 RT: 13.45 min Scan# 1806  
 Delta R.T. -0.00 min  
 Lab File: BG021702.D  
 Acq: 16 Apr 2016 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 27.8  | 41.6  |
| 170     | 25.0  | 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

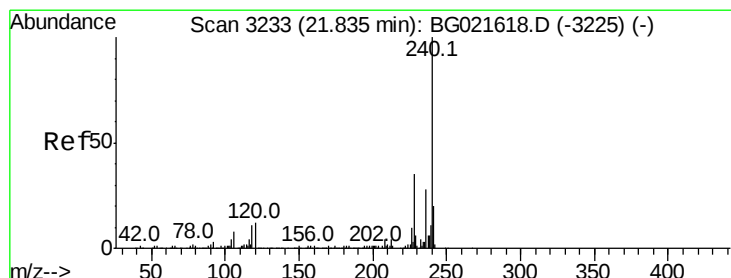
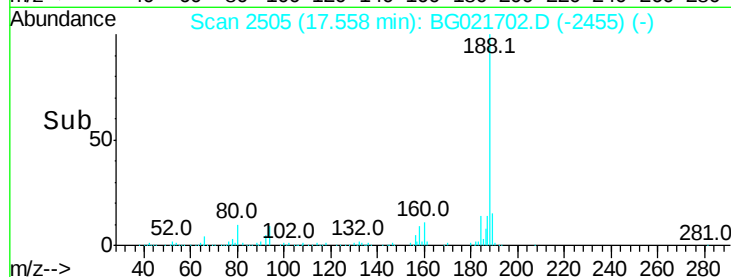
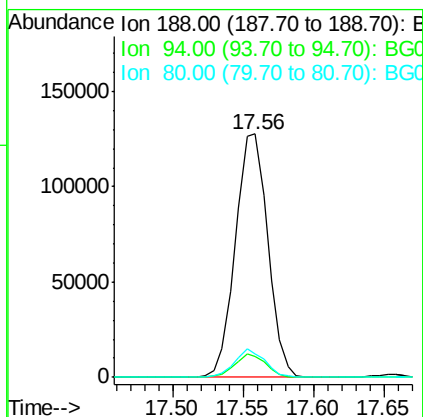
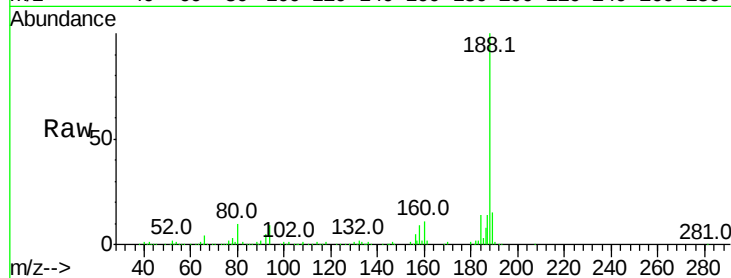




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 2505  
Delta R.T. -0.00 min  
Lab File: BG021702.D  
Acq: 16 Apr 2016 1:53

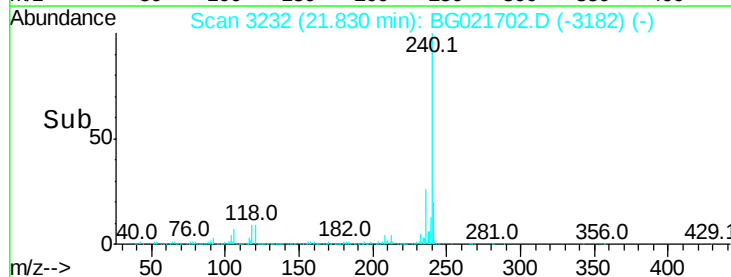
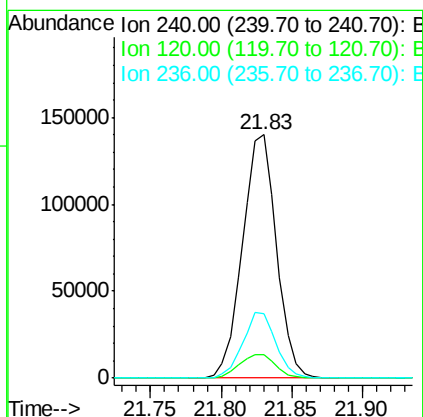
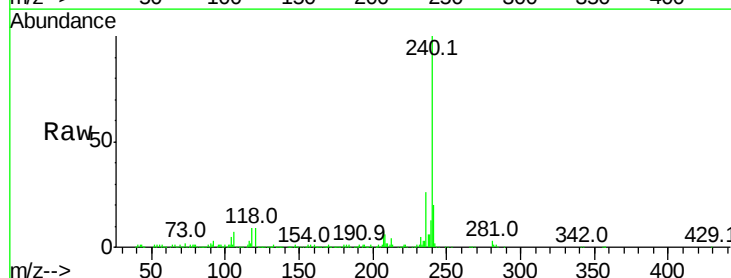
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BNA\_G  
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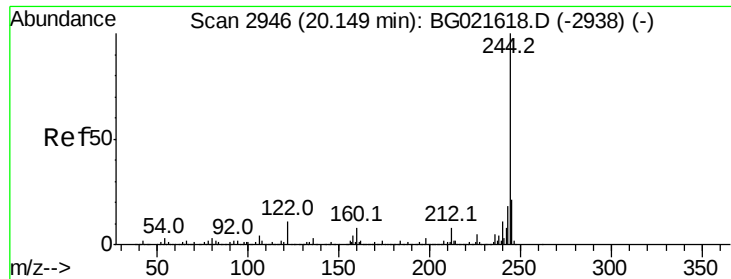
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.7   | 7.5   | 11.3  |
| 80      | 9.8   | 8.6   | 13.0  |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.83 min Scan# 3232  
Delta R.T. -0.00 min  
Lab File: BG021702.D  
Acq: 16 Apr 2016 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.5   | 8.4   | 12.6  |
| 236     | 26.4  | 19.6  | 29.4  |

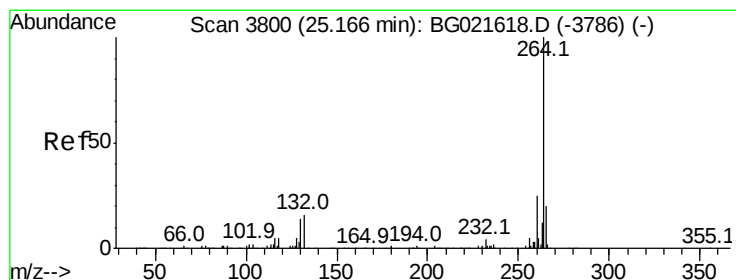
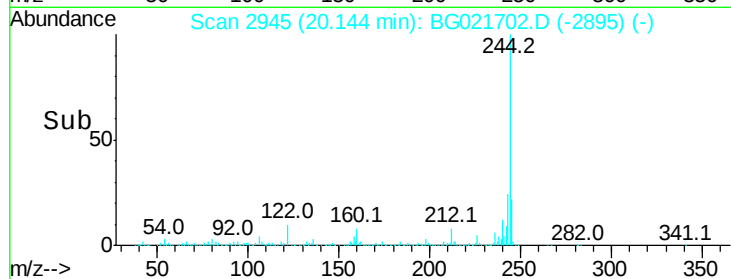
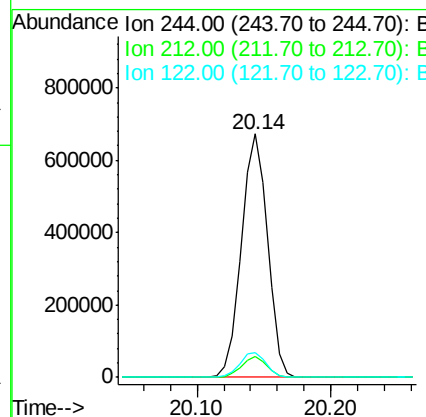
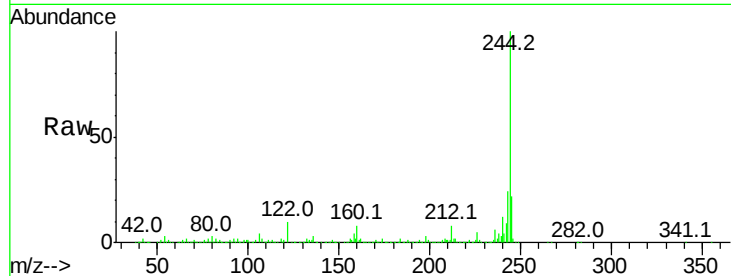




#78  
 Terphenyl-d14  
 Concen: 95.97 ng  
 RT: 20.14 min Scan# 2945  
 Delta R.T. -0.00 min  
 Lab File: BG021702.D  
 Acq: 16 Apr 2016 1:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB-BWR-BB-09-CS-3(8-17.5FTBGS)

Tot Ion:244 Resp: 908109  
 Ion Ratio Lower Upper  
 244 100  
 212 8.4 6.5 9.7  
 122 10.3 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.16 min Scan# 3798  
 Delta R.T. -0.01 min  
 Lab File: BG021702.D  
 Acq: 16 Apr 2016 1:53

Tgt Ion:264 Resp: 215780  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 20.2 30.4  
 265 21.4 17.8 26.8

