

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\  
 Data File : BG028838.D  
 Acq On : 20 Sep 2017 19:13  
 Operator : SJ/JU  
 Sample : I5281-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 21 01:26:49 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

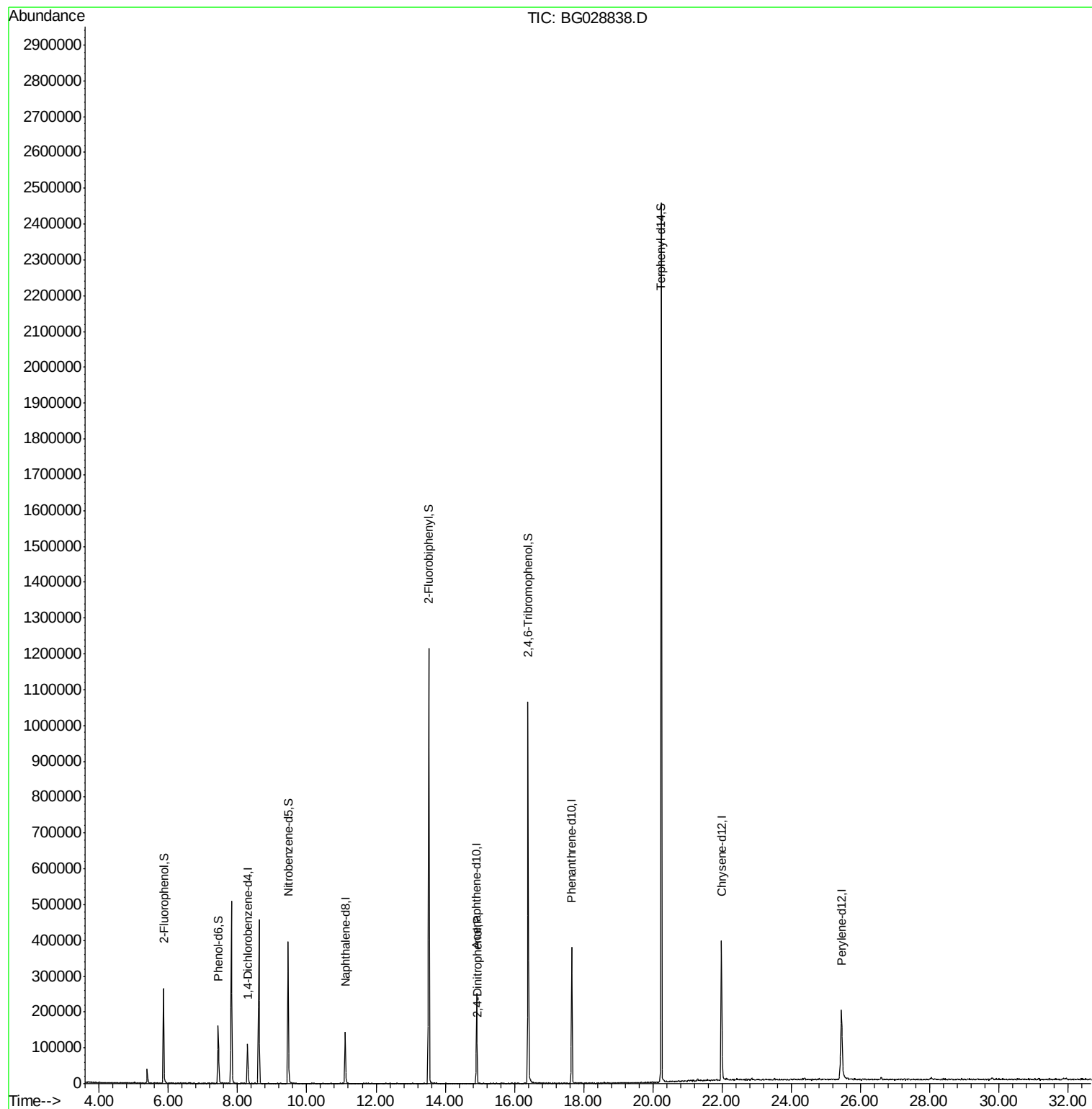
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 30885    | 20.00  | ng    | -0.04       |
| 21) Naphthalene-d8          | 11.11 | 136  | 123099   | 20.00  | ng    | -0.04       |
| 38) Acenaphthene-d10        | 14.90 | 164  | 91867    | 20.00  | ng    | -0.04       |
| 63) Phenanthrene-d10        | 17.66 | 188  | 251827   | 20.00  | ng    | -0.04       |
| 75) Chrysene-d12            | 21.98 | 240  | 277232   | 20.00  | ng    | -0.05       |
| 86) Perylene-d12            | 25.45 | 264  | 268774   | 20.00  | ng    | -0.08       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.86  | 112  | 119701   | 63.95  | ng    | -0.05       |
| 7) Phenol-d6                | 7.44  | 99   | 97921    | 34.75  | ng    | -0.05       |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 252773   | 98.23  | ng    | -0.05       |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 240207   | 158.09 | ng    | -0.04       |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 675984   | 98.12  | ng    | -0.04       |
| 78) Terphenyl-d14           | 20.24 | 244  | 1221659  | 93.97  | ng    | -0.04       |
| Target Compounds            |       |      |          |        |       |             |
| 53) 2,4-Dinitrophenol       | 14.93 | 184  | 56       | 8.06   | ng    | Qvalue # 15 |

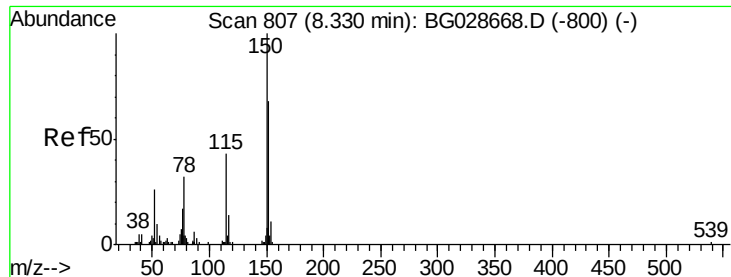
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 12 16:57:11 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

Lab File: BG028838.D

Acq: 20 Sep 2017 19:13

Instrument :

BNA\_G

ClientSampleId :

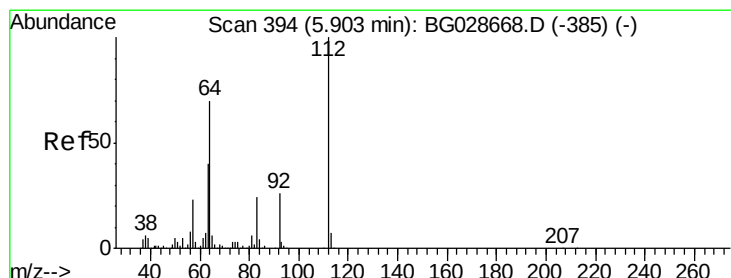
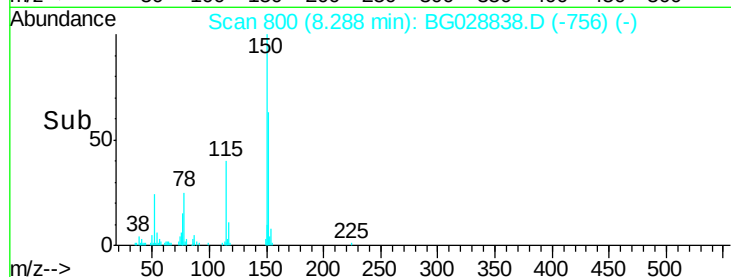
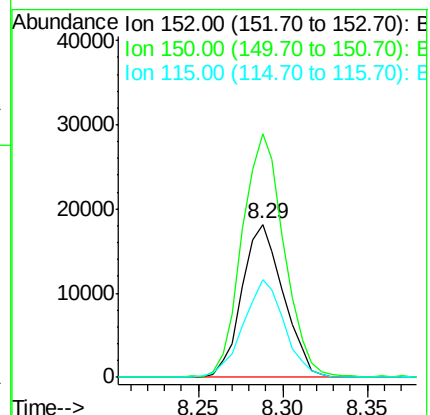
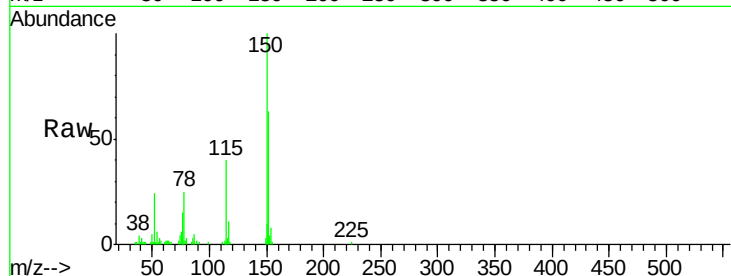
Tot Ion:152 Resp: 30885

Ion Ratio Lower Upper

152 100

150 158.9 114.0 171.0

115 64.0 48.1 72.1



#5

2-Fluorophenol

Concen: 63.95 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.05 min

Lab File: BG028838.D

Acq: 20 Sep 2017 19:13

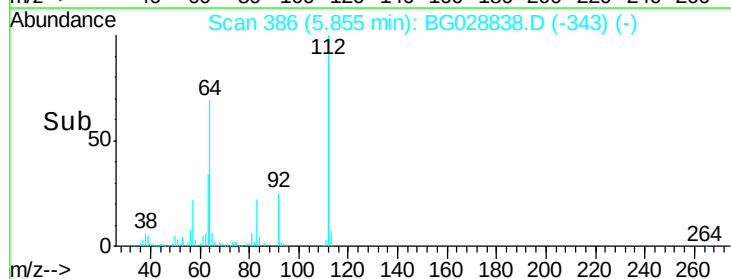
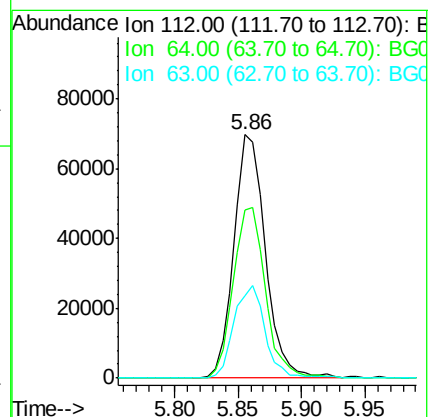
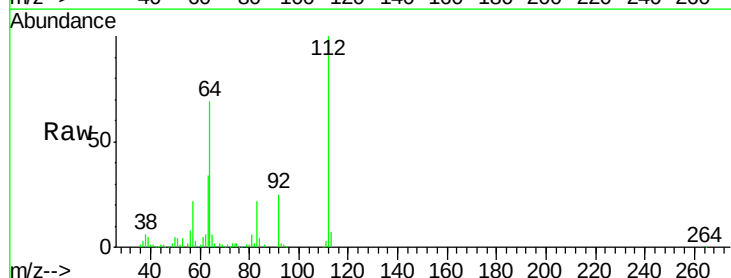
Tgt Ion:112 Resp: 119701

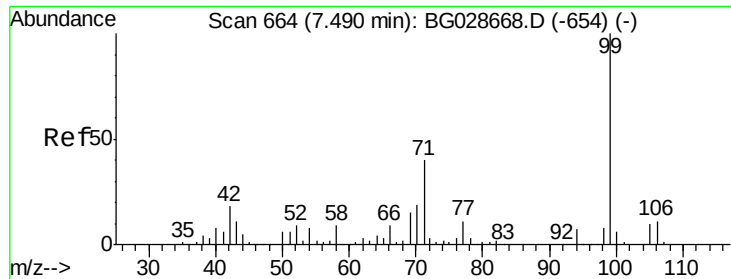
Ion Ratio Lower Upper

112 100

64 68.9 61.8 92.6

63 33.6 37.2 55.8#





#7

Phenol-d6

Concen: 34.75 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028838.D

Acq: 20 Sep 2017 19:13

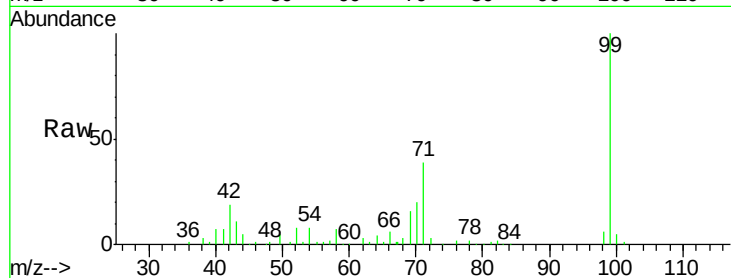
Instrument :

BNA\_G

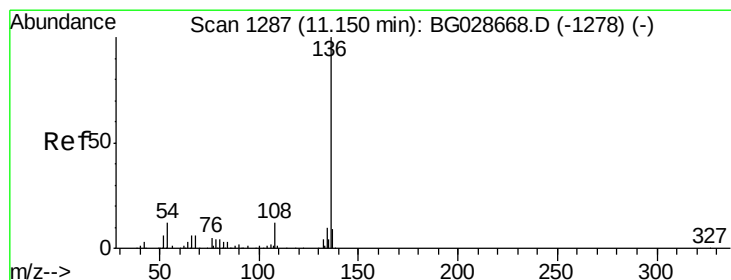
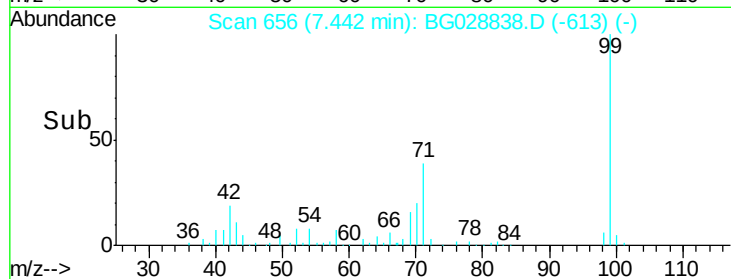
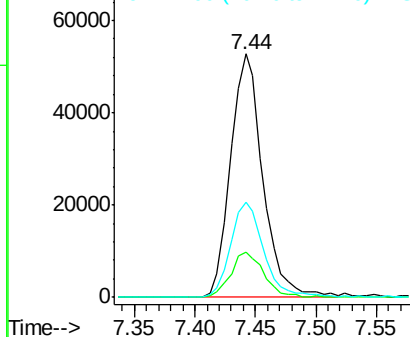
ClientSampleId :

Tot Ion: 99 Resp: 97921

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.8  | 20.5  | 30.7# |
| 71  | 39.0  | 37.6  | 56.4  |



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: 11.11 min Scan# 1280

Delta R.T. -0.04 min

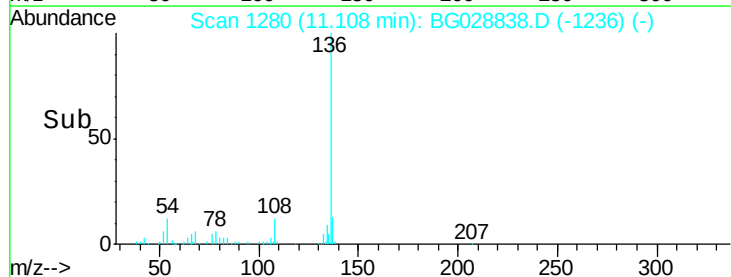
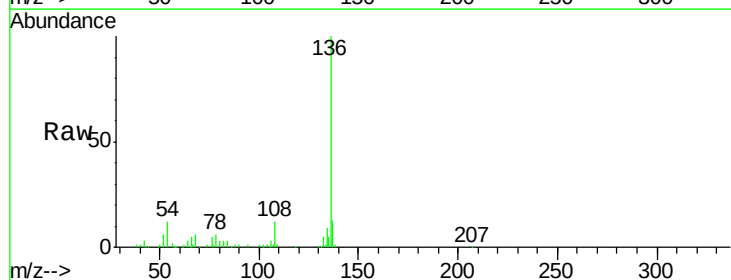
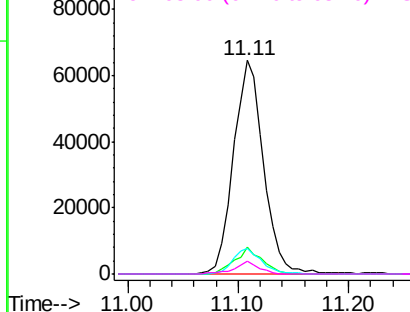
Lab File: BG028838.D

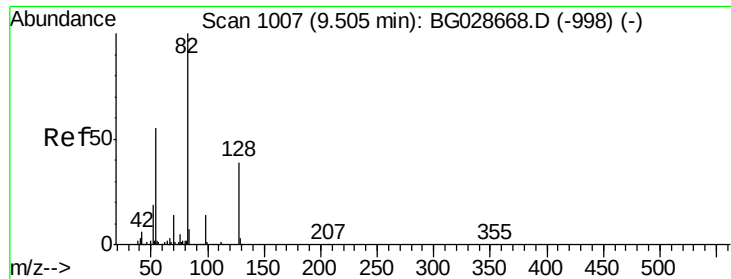
Acq: 20 Sep 2017 19:13

Tgt Ion: 136 Resp: 123099

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 12.7  | 8.9   | 13.3  |
| 54  | 12.2  | 9.3   | 13.9  |
| 68  | 5.9   | 5.1   | 7.7   |

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

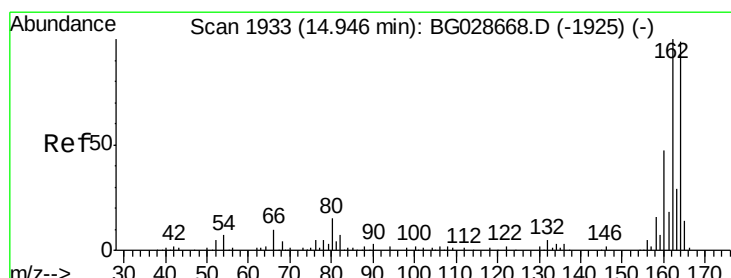
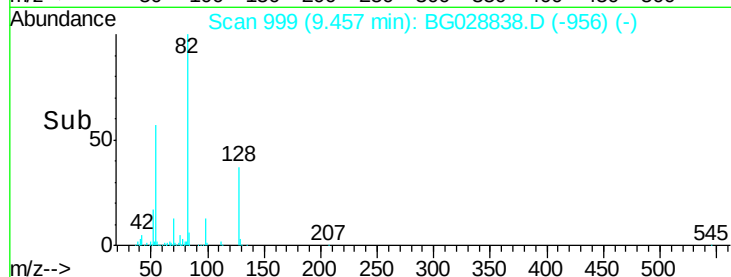
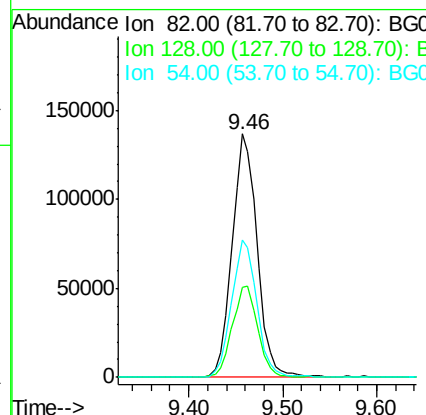
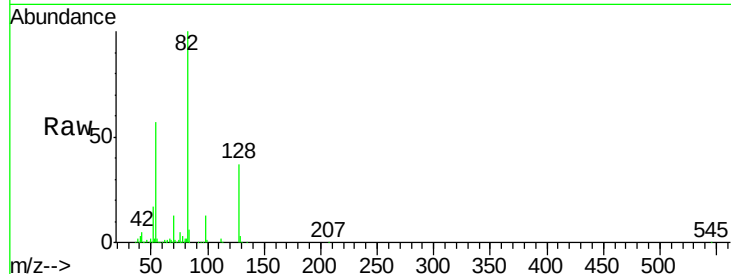




#23  
 Nitrobenzene-d5  
 Concen: 98.23 ng  
 RT: 9.46 min Scan# 999  
 Delta R.T. -0.05 min  
 Lab File: BG028838.D  
 Acq: 20 Sep 2017 19:13

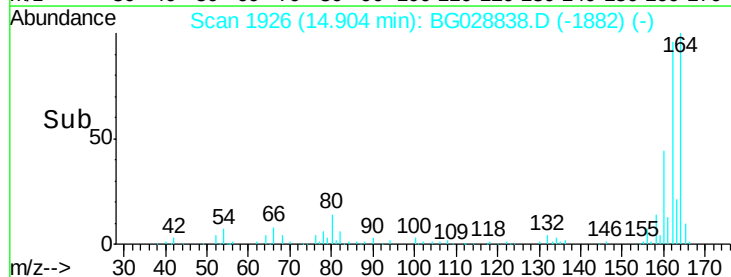
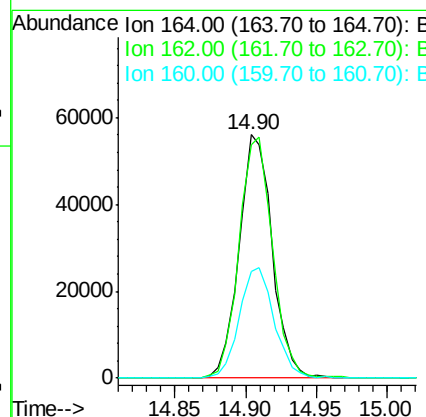
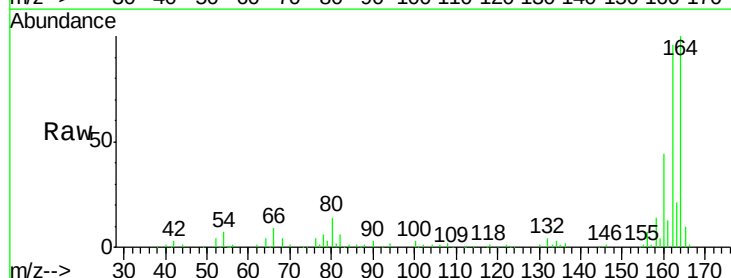
Instrument :  
 BNA\_G  
 ClientSampleId :

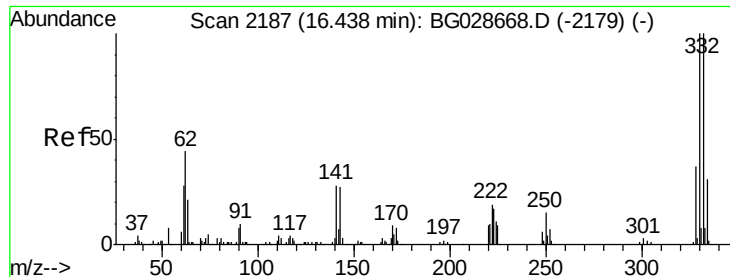
| Tot Ion   | 82    | Resp  | 252773 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.1  | 26.4  | 39.6   |
| 54        | 56.5  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.90 min Scan# 1926  
 Delta R.T. -0.04 min  
 Lab File: BG028838.D  
 Acq: 20 Sep 2017 19:13

| Tgt Ion   | 164   | Resp  | 91867 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 95.8  | 85.1  | 127.7 |
| 160       | 43.7  | 34.7  | 52.1  |

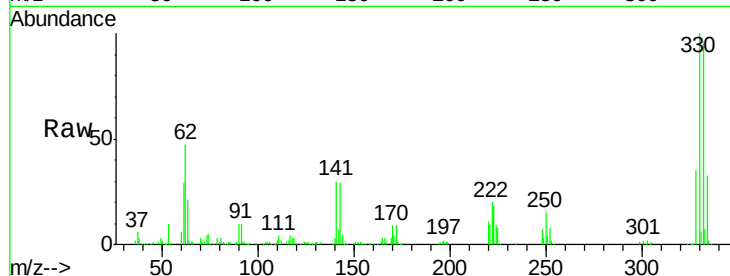




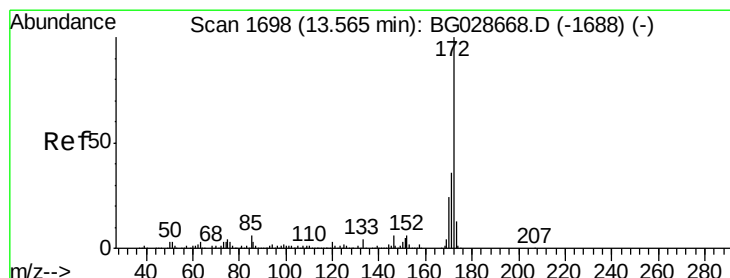
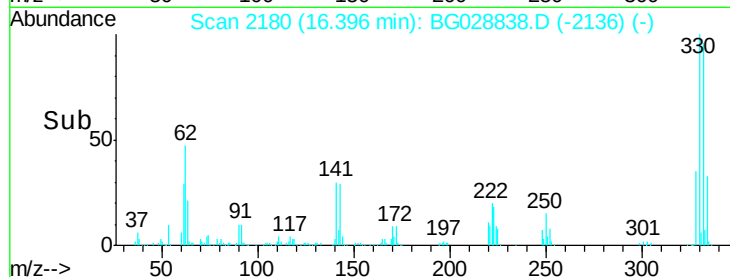
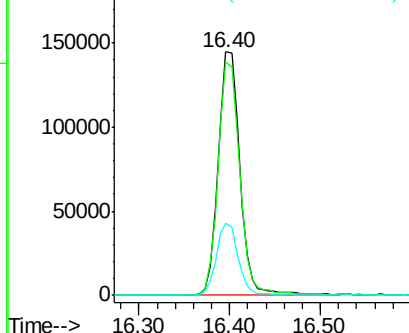
#41  
 2,4,6-Tribromophenol  
 Concen: 158.09 ng  
 RT: 16.40 min Scan# 2180  
 Delta R.T. -0.04 min  
 Lab File: BG028838.D  
 Acq: 20 Sep 2017 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 77.3  | 115.9 |
| 141     | 29.4  | 32.1  | 48.1# |

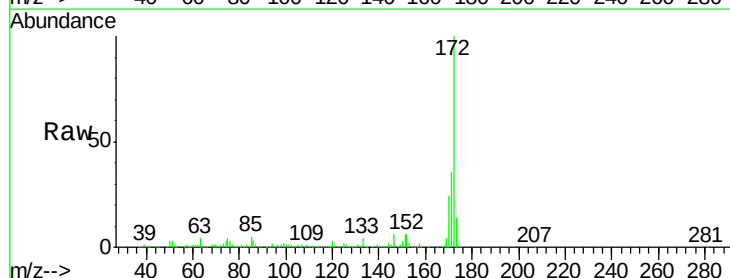


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

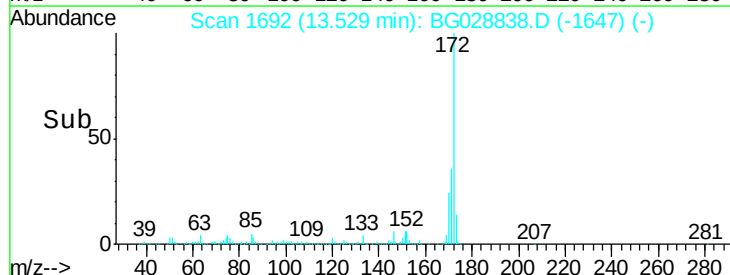
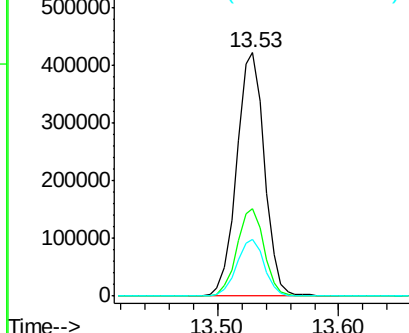


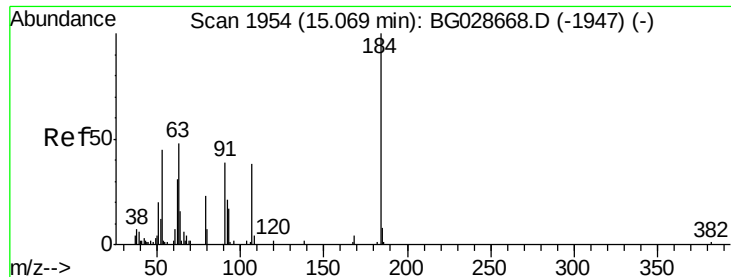
#44  
 2-Fluorobiphenyl  
 Concen: 98.12 ng  
 RT: 13.53 min Scan# 1692  
 Delta R.T. -0.04 min  
 Lab File: BG028838.D  
 Acq: 20 Sep 2017 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 32.2  | 48.2  |
| 170     | 23.6  | 21.8  | 32.6  |



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

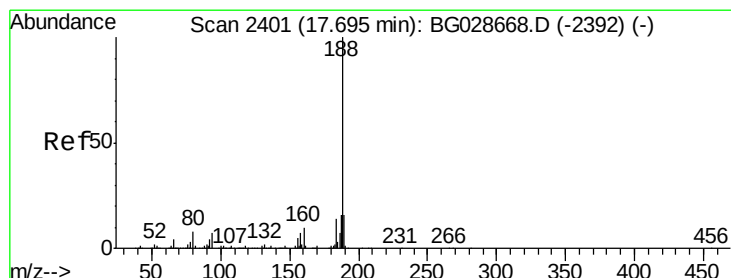
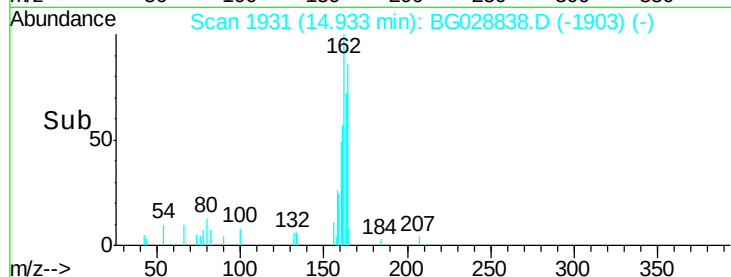
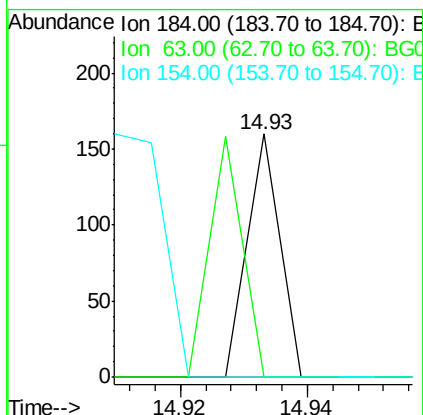
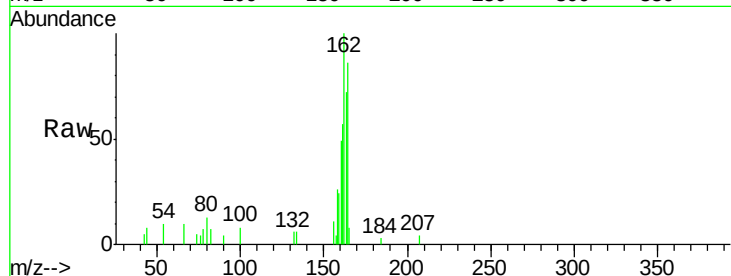




#53  
 2,4-Dinitrophenol  
 Concen: 8.06 ng  
 RT: 14.93 min Scan# 1931  
 Delta R.T. -0.14 min  
 Lab File: BG028838.D  
 Acq: 20 Sep 2017 19:13

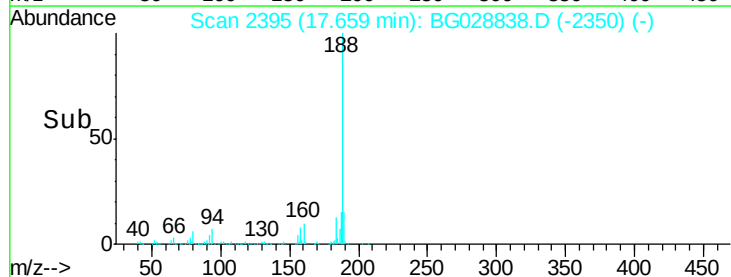
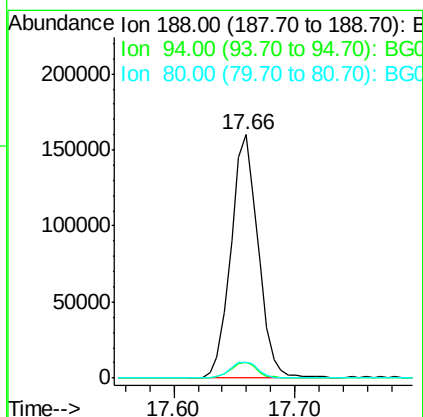
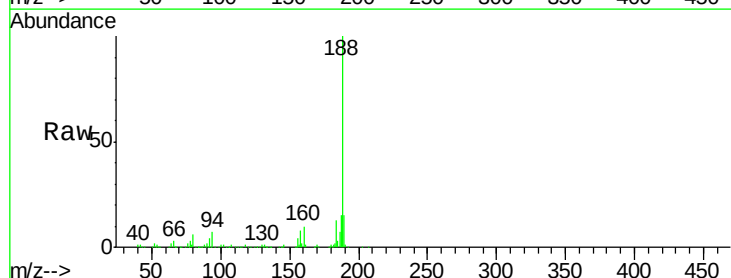
Instrument :  
 BNA\_G  
 ClientSampleId :

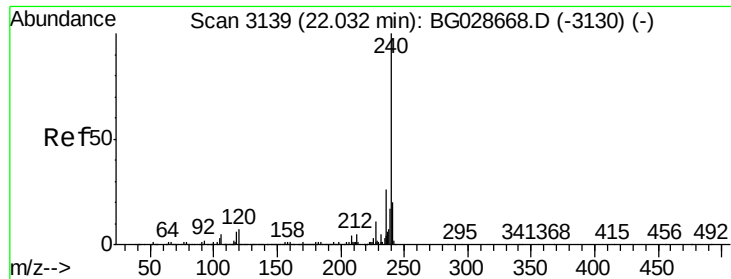
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 0.0   | 52.7  | 79.1# |
| 154     | 0.0   | 57.3  | 85.9# |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.66 min Scan# 2395  
 Delta R.T. -0.04 min  
 Lab File: BG028838.D  
 Acq: 20 Sep 2017 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.5   | 5.8   | 8.8   |
| 80      | 6.5   | 7.5   | 11.3# |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.98 min Scan# 3131

Delta R.T. -0.05 min

Lab File: BG028838.D

Acq: 20 Sep 2017 19:13

Instrument :

BNA\_G

ClientSampleId :

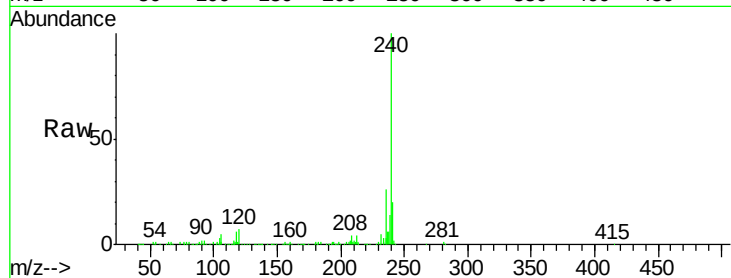
Tot Ion:240 Resp: 277232

Ion Ratio Lower Upper

240 100

120 7.2 5.7 8.5

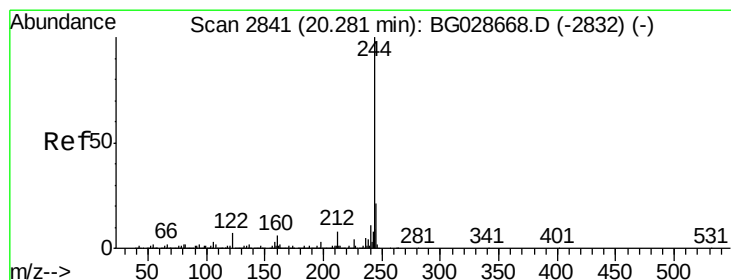
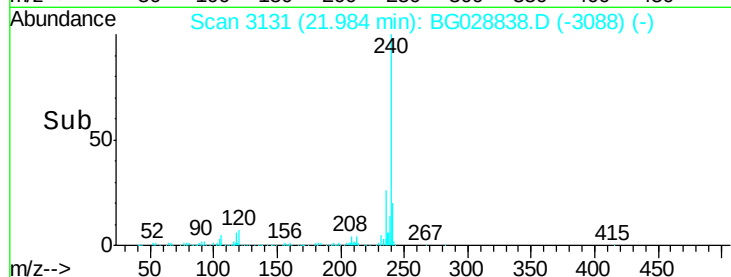
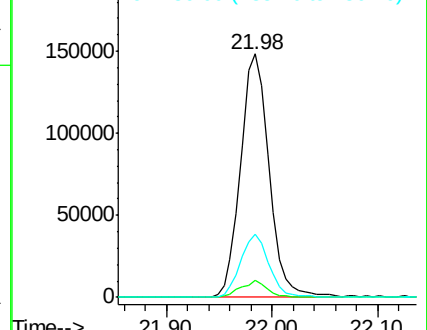
236 26.0 22.2 33.4



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



#78

Terphenyl-d14

Concen: 93.97 ng

RT: 20.24 min Scan# 2835

Delta R.T. -0.04 min

Lab File: BG028838.D

Acq: 20 Sep 2017 19:13

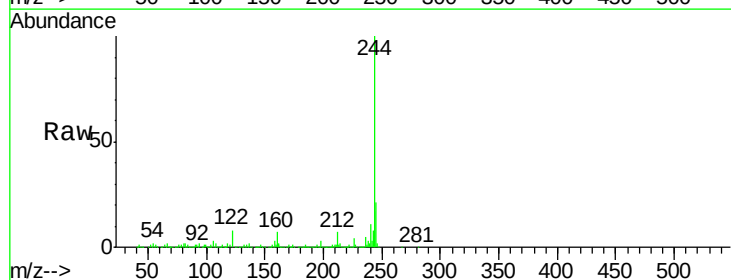
Tgt Ion:244 Resp: 1221659

Ion Ratio Lower Upper

244 100

212 7.3 10.0 15.0#

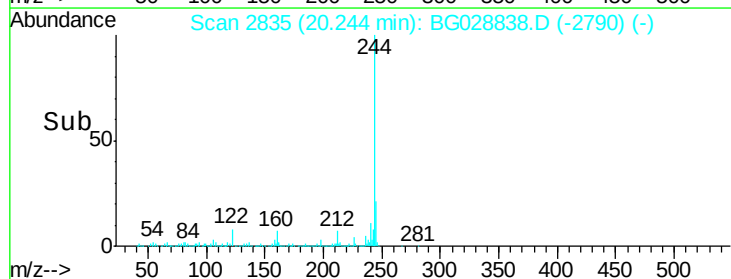
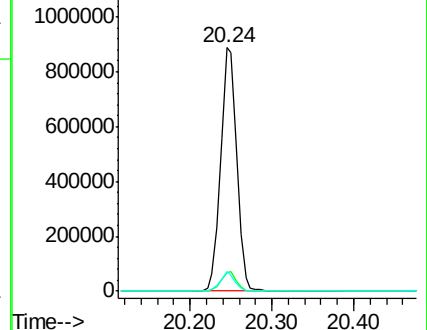
122 7.9 8.6 12.8#



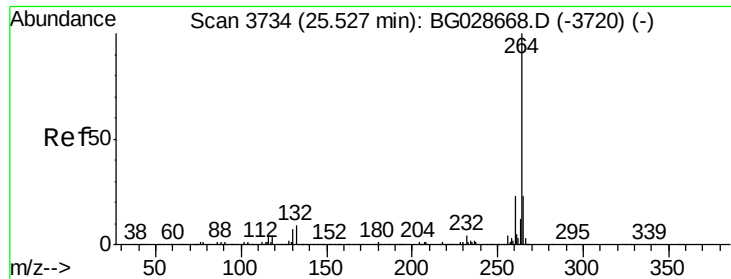
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.45 min Scan# 3721  
Delta R.T. -0.08 min  
Lab File: BG028838.D  
Acq: 20 Sep 2017 19:13

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 21.8  | 32.8  |
| 265     | 22.2  | 18.2  | 27.4  |

