

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091915\  
 Data File : BG018768.D  
 Acq On : 18 Sep 2015 14:39  
 Operator : TP  
 Sample : G3706-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-6

Quant Time: Sep 19 00:29:58 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 18 23:51:57 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 42755    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 181312   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.63 | 164  | 129741   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.37 | 188  | 346642   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.63 | 240  | 361626   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.82 | 264  | 355264   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 140522   | 56.78  | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 125805   | 35.45  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 303768   | 93.75  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.12 | 330  | 268030   | 153.43 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 863579   | 92.40  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 1083931  | 78.71  | ng    | 0.00     |

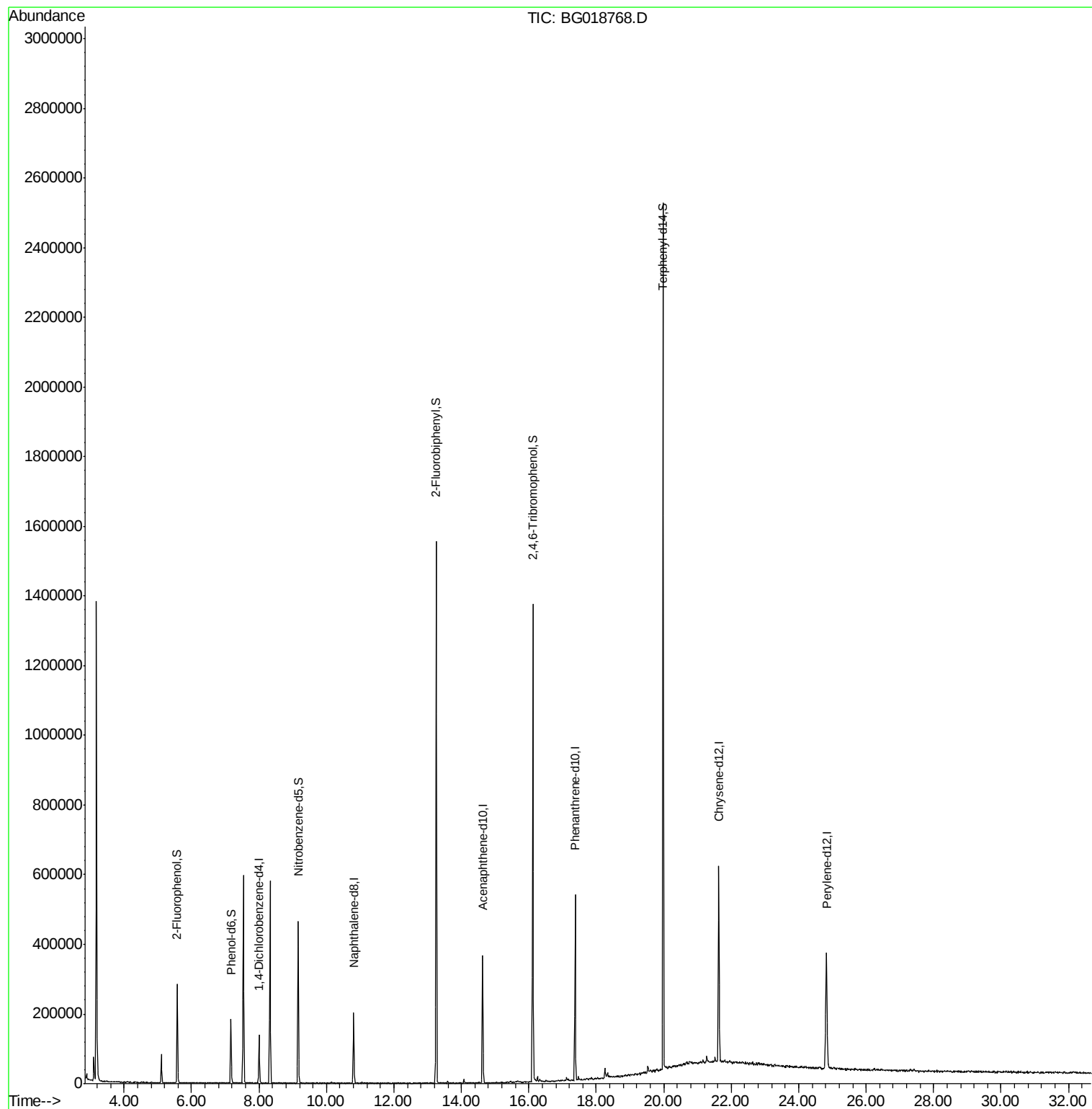
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

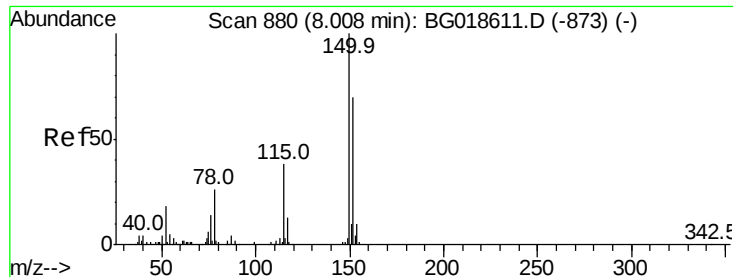
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091915\  
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Sample : G3706-05  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 18 23:51:57 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.00 min Scan# 879

Delta R.T. -0.00 min

Lab File: BG018768.D

Acq: 18 Sep 2015 14:39

Instrument :

BNA\_G

ClientSampled :

MW-6

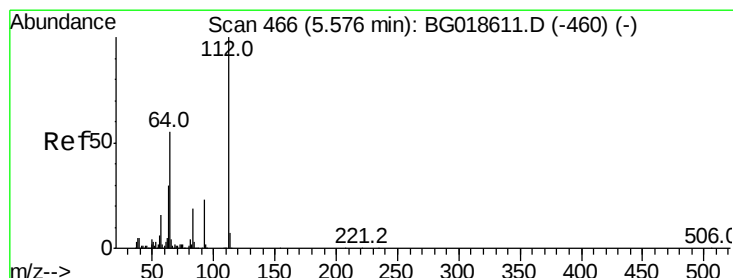
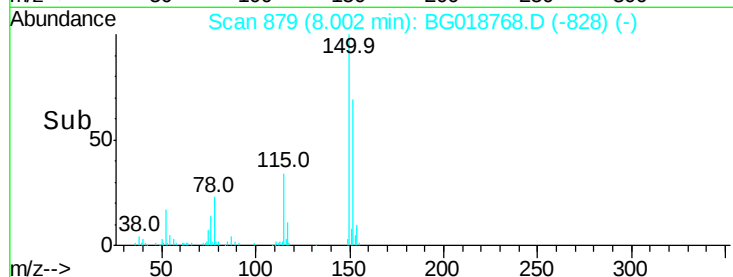
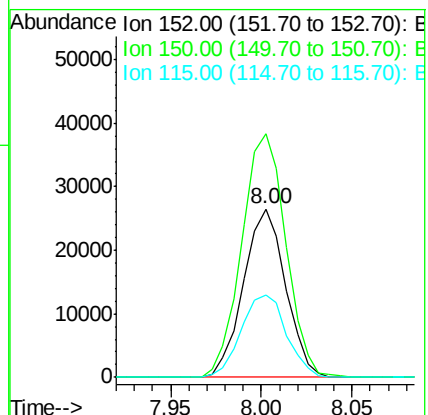
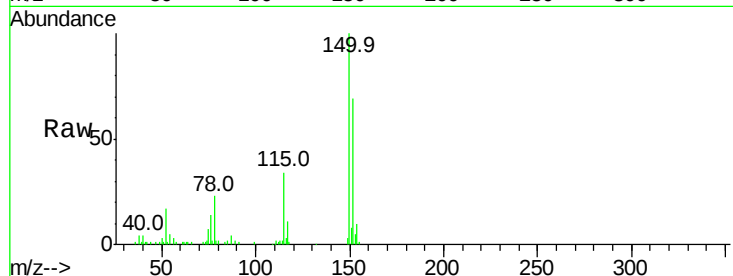
Tgt Ion:152 Resp: 42755

Ion Ratio Lower Upper

152 100

150 144.4 115.0 172.4

115 49.2 43.9 65.9



#5

2-Fluorophenol

Concen: 56.78 ng

RT: 5.58 min Scan# 466

Delta R.T. 0.00 min

Lab File: BG018768.D

Acq: 18 Sep 2015 14:39

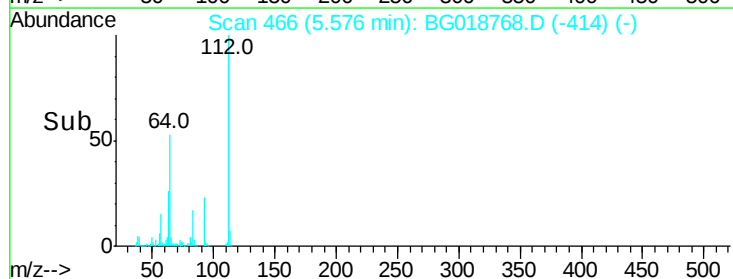
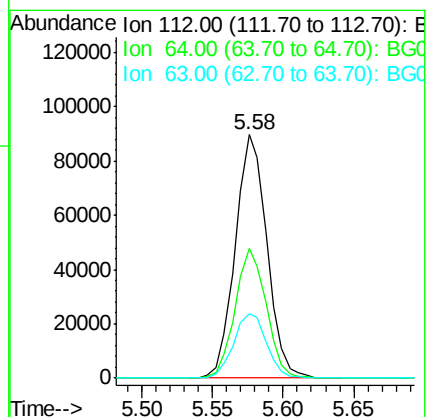
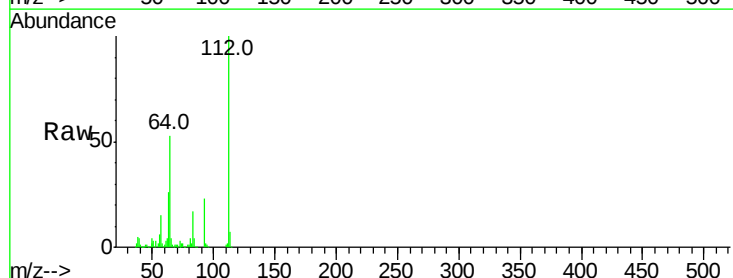
Tgt Ion:112 Resp: 140522

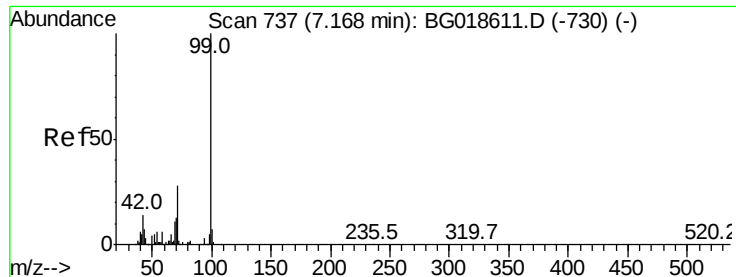
Ion Ratio Lower Upper

112 100

64 53.4 43.7 65.5

63 26.3 24.0 36.0





#7

Phenol-d6

Concen: 35.45 ng

RT: 7.17 min Scan# 737

Delta R.T. -0.00 min

Lab File: BG018768.D

Acq: 18 Sep 2015 14:39

Instrument :

BNA\_G

ClientSampleId :

MW-6

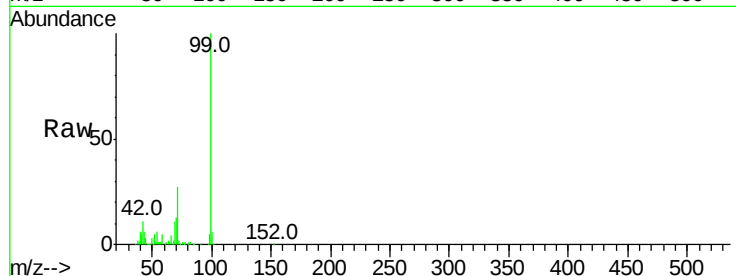
Tgt Ion: 99 Resp: 125805

Ion Ratio Lower Upper

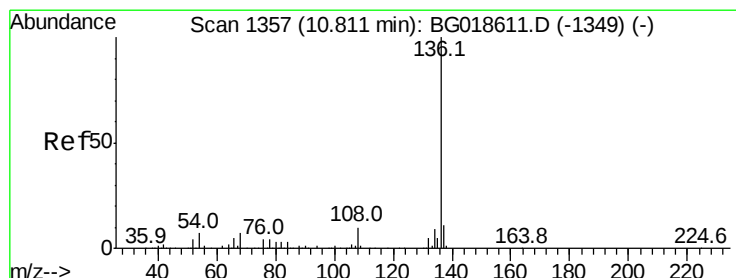
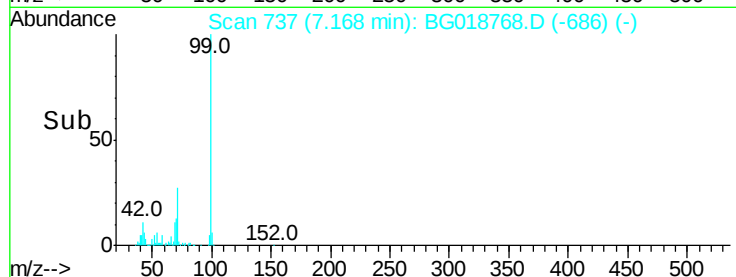
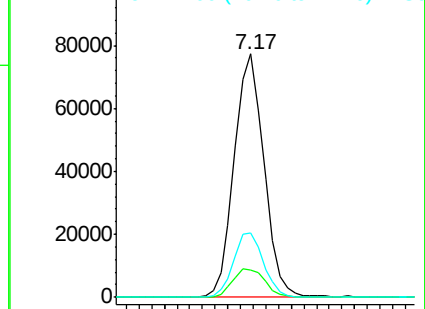
99 100

42 11.1 11.5 17.3#

71 26.7 22.6 34.0



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: 20.00 ng

RT: 10.80 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BG018768.D

Acq: 18 Sep 2015 14:39

Tgt Ion: 136 Resp: 181312

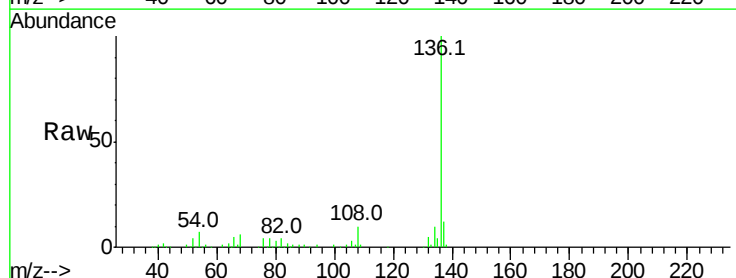
Ion Ratio Lower Upper

136 100

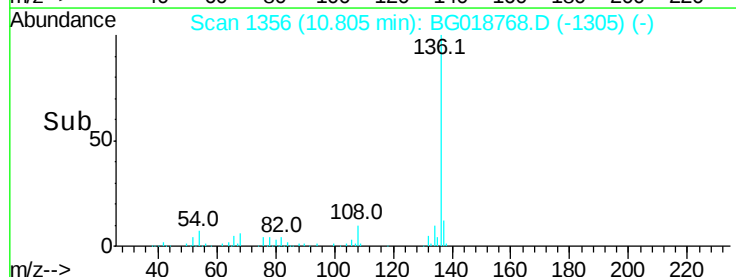
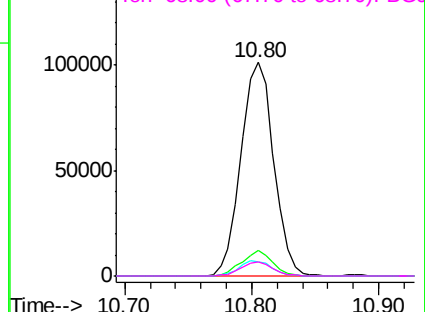
137 12.2 8.6 12.8

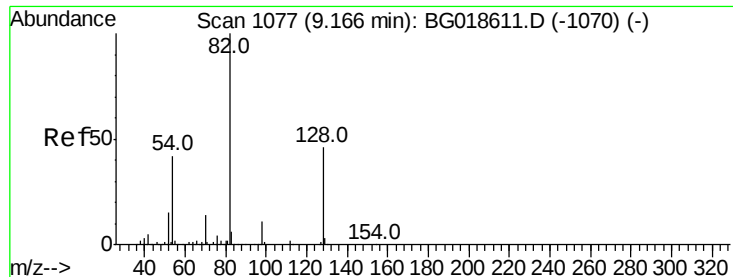
54 6.8 5.4 8.2

68 6.3 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

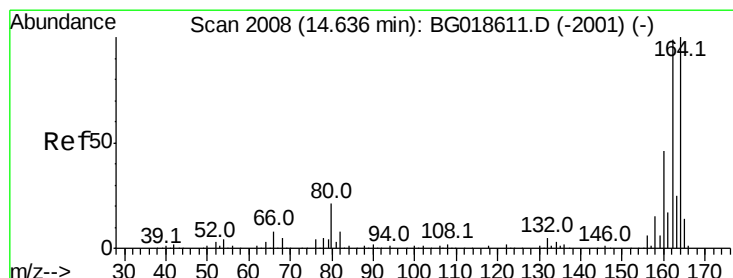
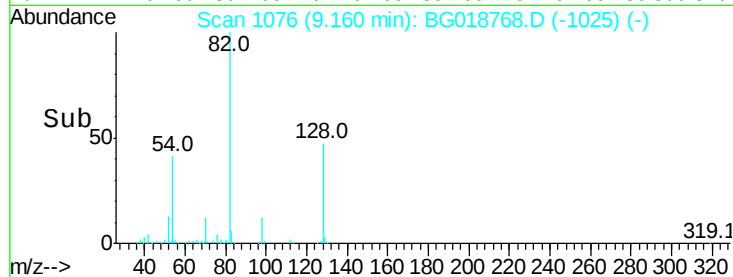
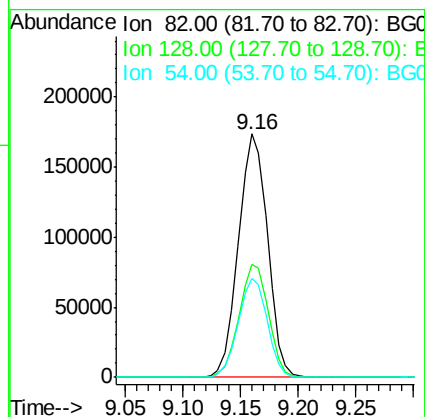
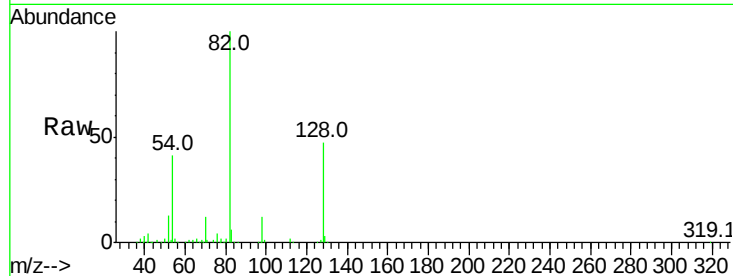




#23  
 Nitrobenzene-d5  
 Concen: 93.75 ng  
 RT: 9.16 min Scan# 1076  
 Delta R.T. -0.00 min  
 Lab File: BG018768.D  
 Acq: 18 Sep 2015 14:39

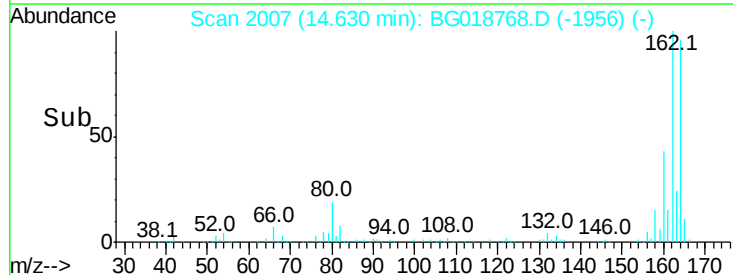
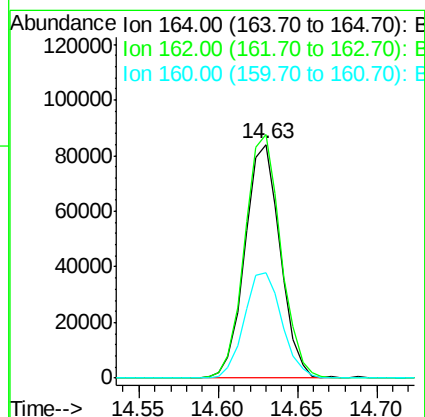
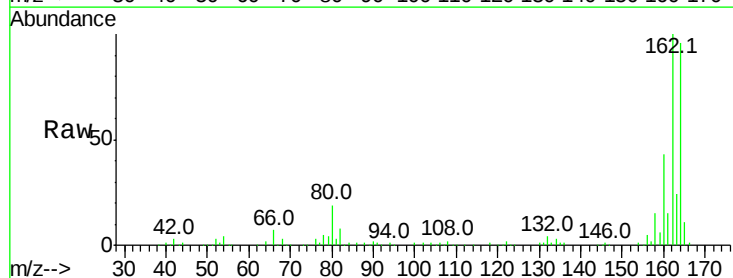
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-6

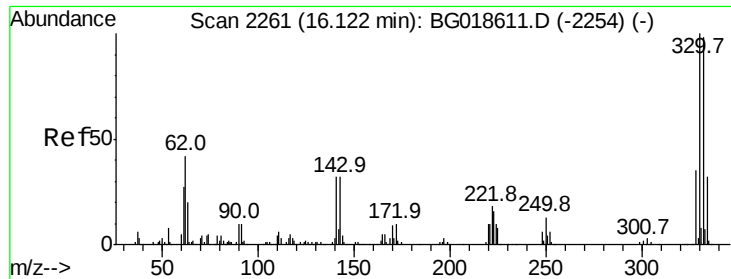
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.7  | 36.7  | 55.1  |
| 54      | 40.5  | 33.8  | 50.8  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.63 min Scan# 2007  
 Delta R.T. -0.00 min  
 Lab File: BG018768.D  
 Acq: 18 Sep 2015 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.1 | 78.8  | 118.2 |
| 160     | 44.9  | 36.4  | 54.6  |

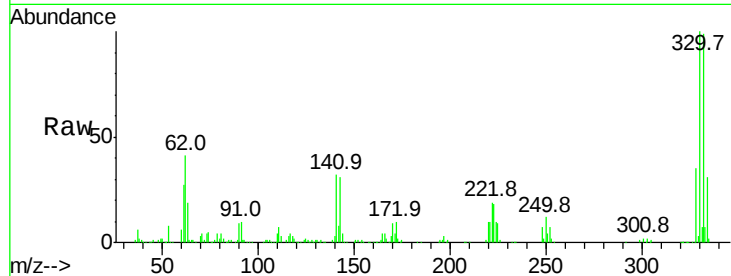




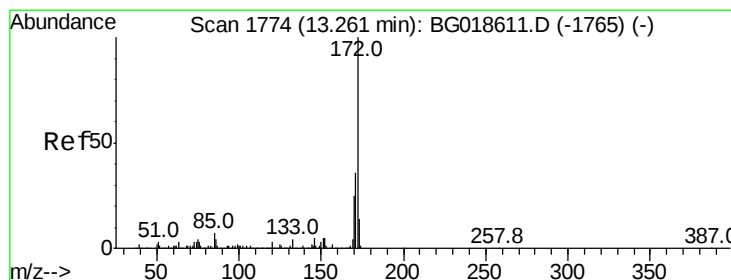
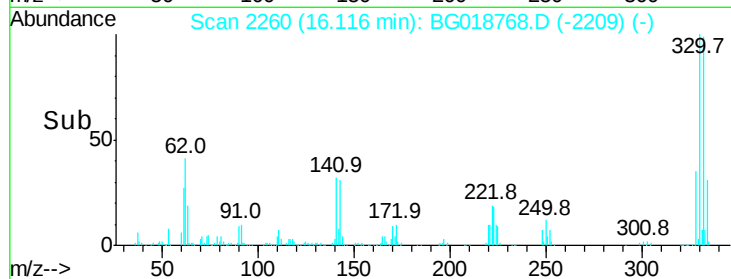
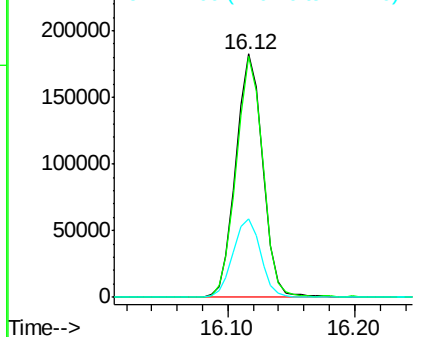
#41  
 2,4,6-Tribromophenol  
 Concen: 153.43 ng  
 RT: 16.12 min Scan# 2260  
 Delta R.T. -0.00 min  
 Lab File: BG018768.D  
 Acq: 18 Sep 2015 14:39

Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-6

Tgt Ion:330 Resp: 268030  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 78.1 117.1  
 141 33.0 28.2 42.2

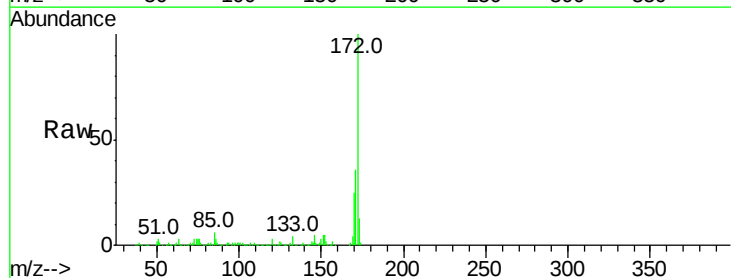


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

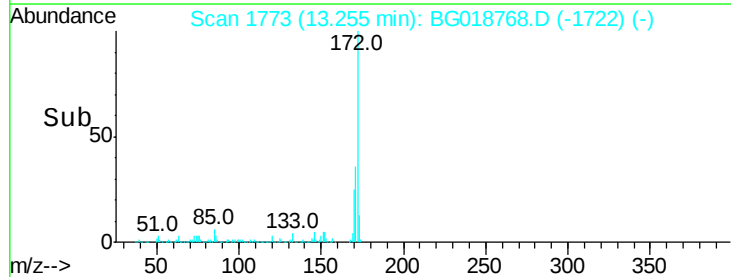
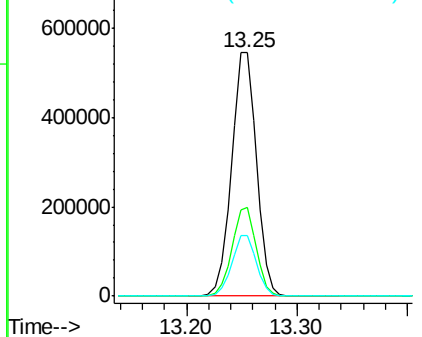


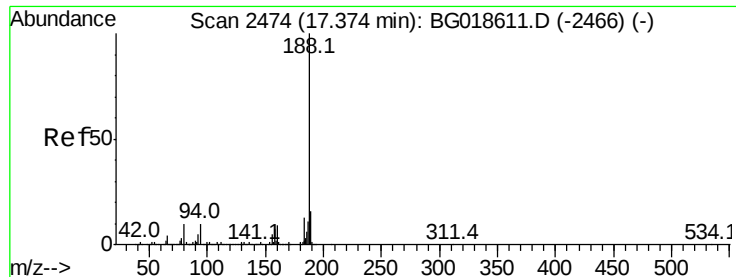
#44  
 2-Fluorobiphenyl  
 Concen: 92.40 ng  
 RT: 13.25 min Scan# 1773  
 Delta R.T. -0.00 min  
 Lab File: BG018768.D  
 Acq: 18 Sep 2015 14:39

Tgt Ion:172 Resp: 863579  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.0 43.6  
 170 24.7 19.9 29.9



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

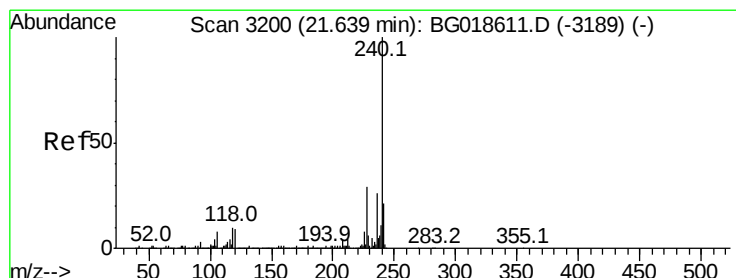
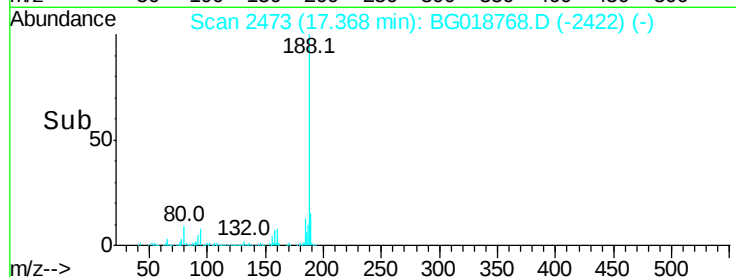
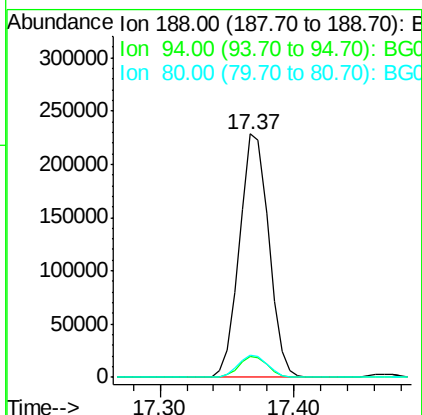
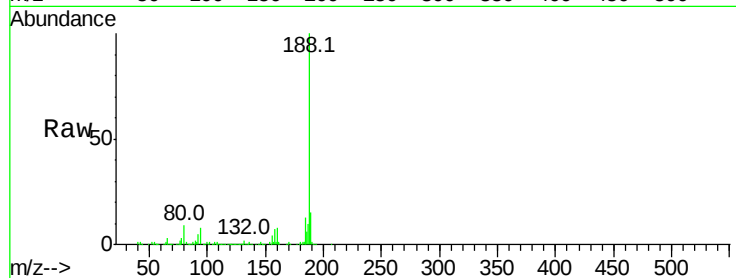




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.37 min Scan# 2473  
Delta R.T. -0.00 min  
Lab File: BG018768.D  
Acq: 18 Sep 2015 14:39

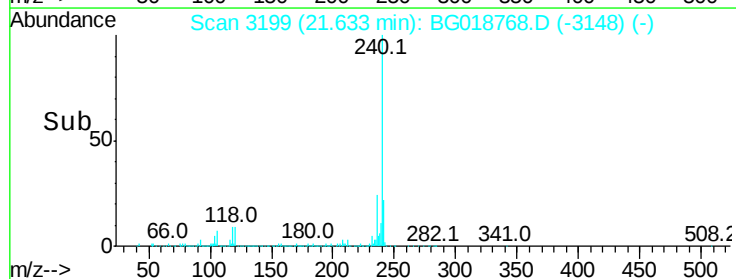
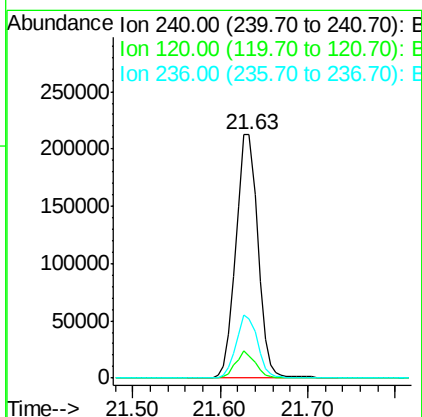
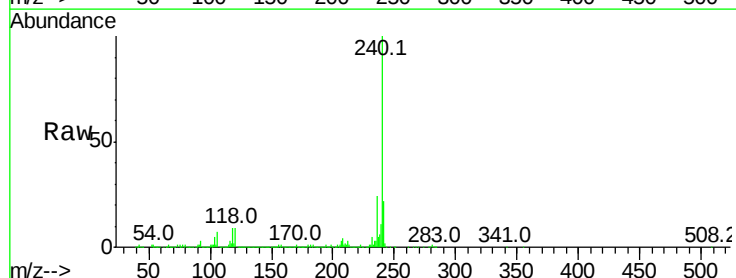
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6

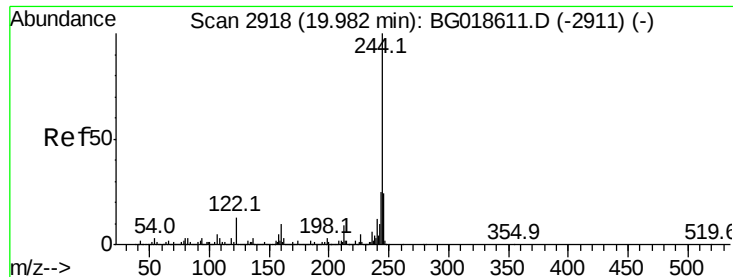
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.3   | 7.7   | 11.5  |
| 80      | 9.1   | 7.8   | 11.8  |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.63 min Scan# 3199  
Delta R.T. -0.00 min  
Lab File: BG018768.D  
Acq: 18 Sep 2015 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.3   | 7.4   | 11.0  |
| 236     | 24.1  | 20.7  | 31.1  |





#78

Terphenyl-d14

Concen: 78.71 ng

RT: 19.98 min Scan# 2918

Delta R.T. 0.00 min

Lab File: BG018768.D

Acq: 18 Sep 2015 14:39

Instrument :

BNA\_G

ClientSampleId :

MW-6

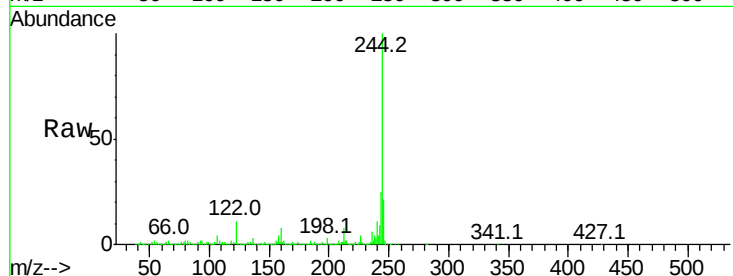
Tgt Ion:244 Resp: 1083931

Ion Ratio Lower Upper

244 100

212 7.9 6.9 10.3

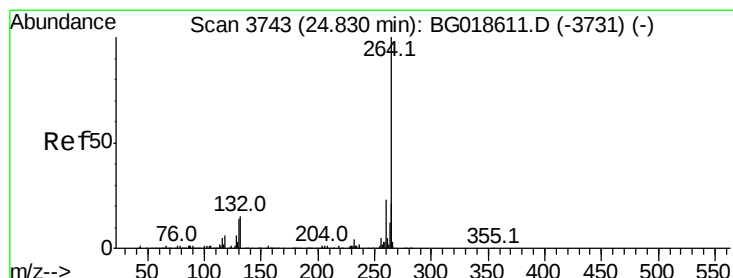
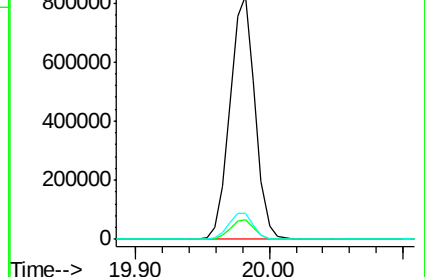
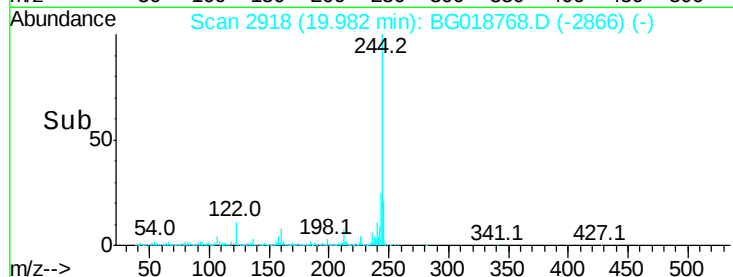
122 10.7 10.2 15.2



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: 24.82 min Scan# 3742

Delta R.T. 0.00 min

Lab File: BG018768.D

Acq: 18 Sep 2015 14:39

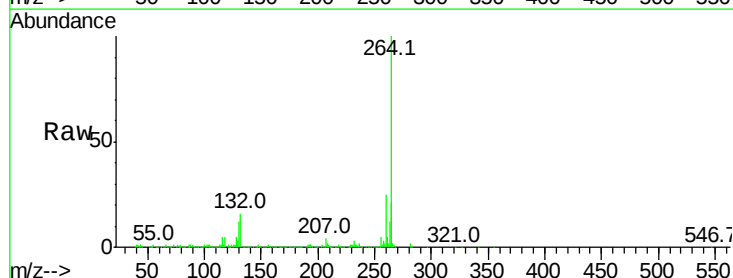
Tgt Ion:264 Resp: 355264

Ion Ratio Lower Upper

264 100

260 24.6 18.5 27.7

265 20.5 17.2 25.8



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

