

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060515\  
 Data File : BG017491.D  
 Acq On : 6 Jun 2015 3:50  
 Operator : TP/IZ  
 Sample : G2501-08  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3-6-2-15

Quant Time: Jun 06 06:43:24 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 06 06:36:17 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 16289    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.42 | 136  | 64490    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.29 | 164  | 41443    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.04 | 188  | 102666   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.24 | 240  | 136722   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.48 | 264  | 138585   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.22  | 112  | 54457    | 58.90  | ng    | 0.00     |
| 7) Phenol-d6                | 6.84  | 99   | 40170    | 31.89  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.79  | 82   | 124027   | 96.01  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.80 | 330  | 82019    | 142.49 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.91 | 172  | 274631   | 99.96  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.69 | 244  | 589890   | 89.17  | ng    | 0.00     |

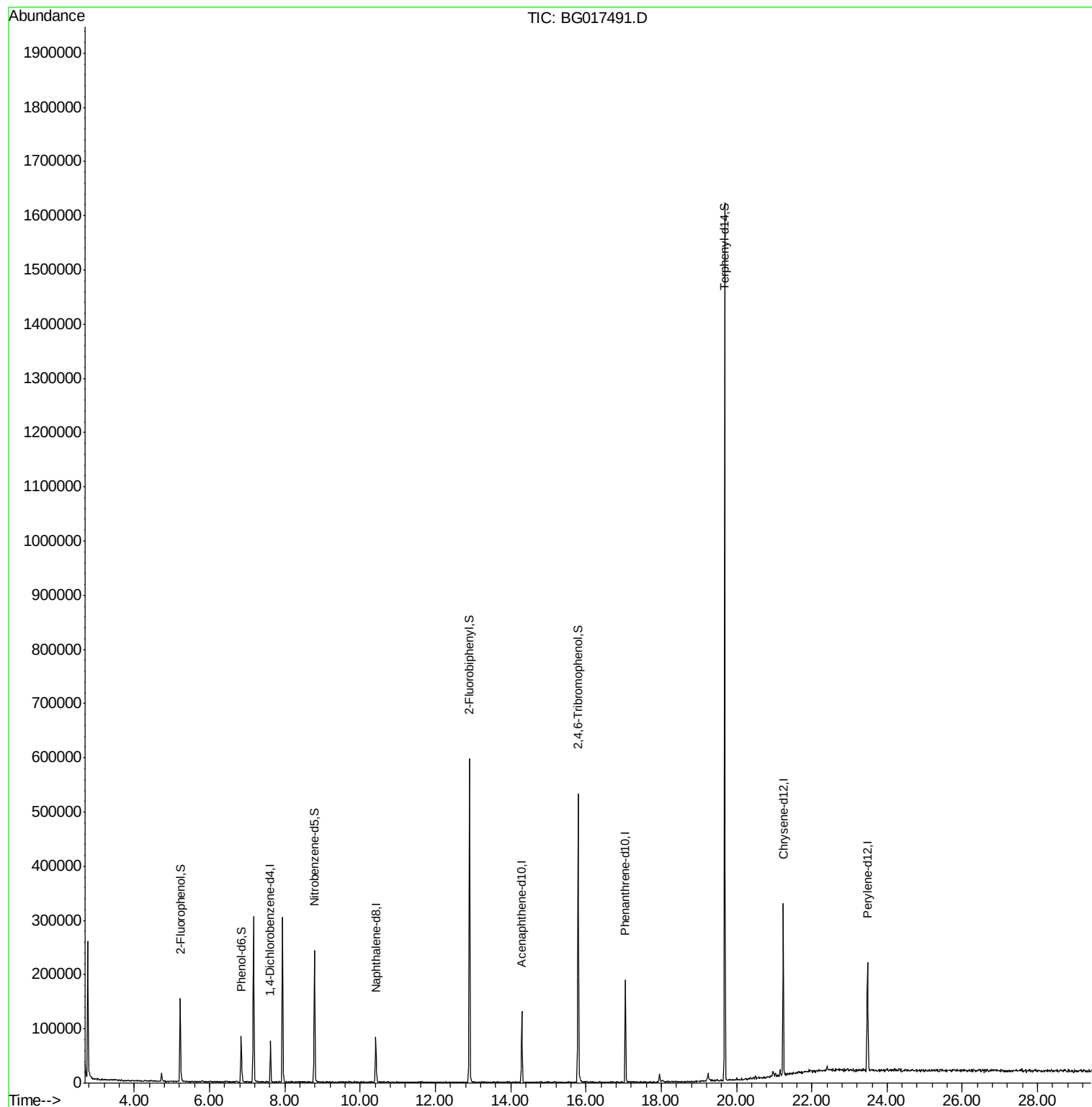
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

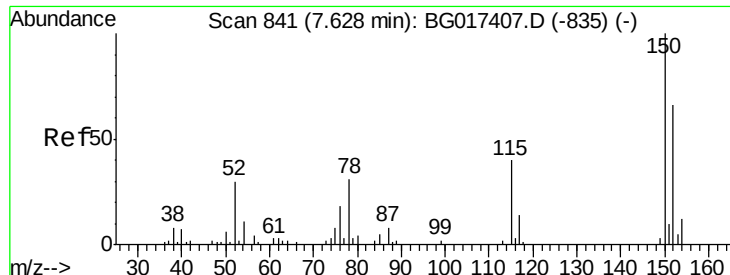
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-3-6-2-15

Quant Time: Jun 06 06:43:24 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 06 06:36:17 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.62 min Scan# 839

Delta R.T. -0.00 min

Lab File: BG017491.D

Acq: 6 Jun 2015 3:50

Instrument :

BNA\_G

ClientSampleId :

MW-3-6-2-15

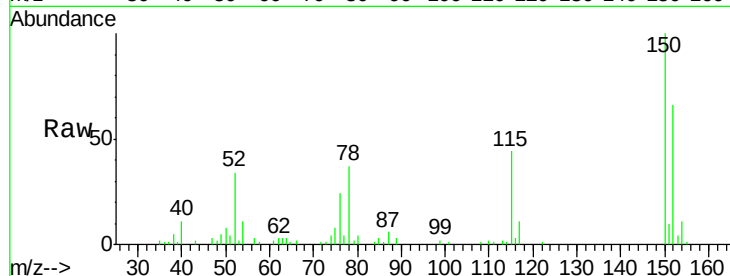
Tgt Ion:152 Resp: 16289

Ion Ratio Lower Upper

152 100

150 151.4 121.7 182.5

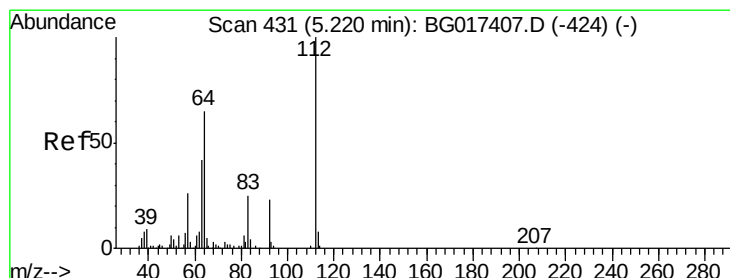
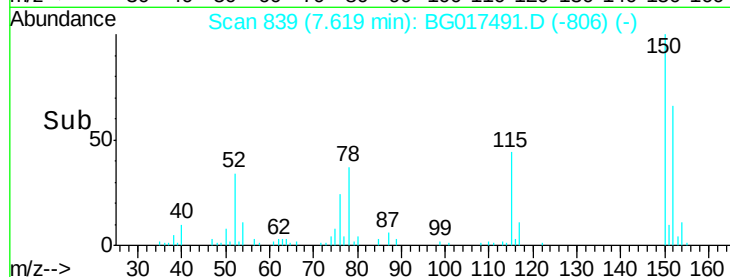
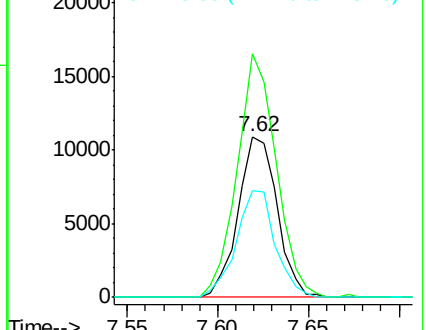
115 66.1 48.6 73.0



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: 58.90 ng

RT: 5.22 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG017491.D

Acq: 6 Jun 2015 3:50

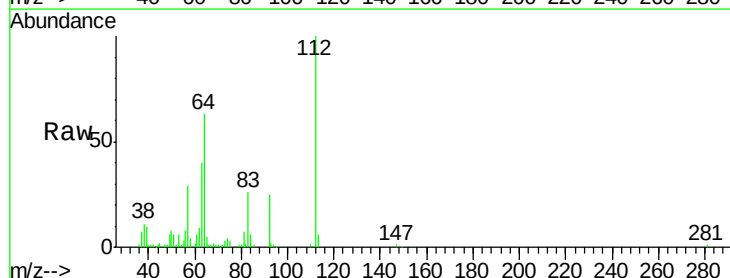
Tgt Ion:112 Resp: 54457

Ion Ratio Lower Upper

112 100

64 62.7 51.6 77.4

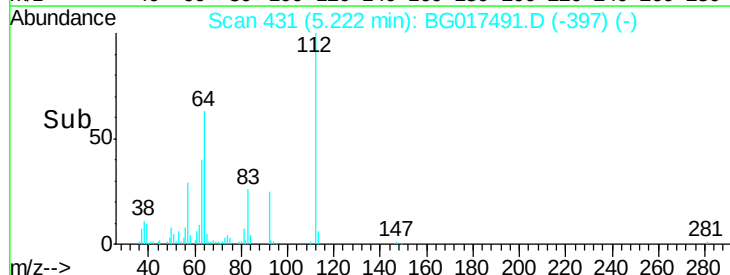
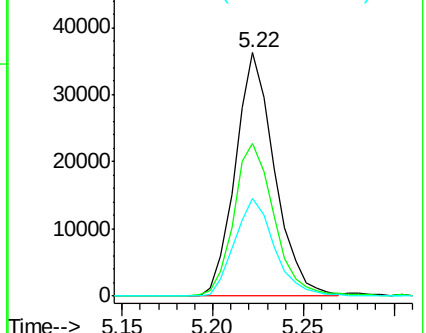
63 40.1 33.3 49.9

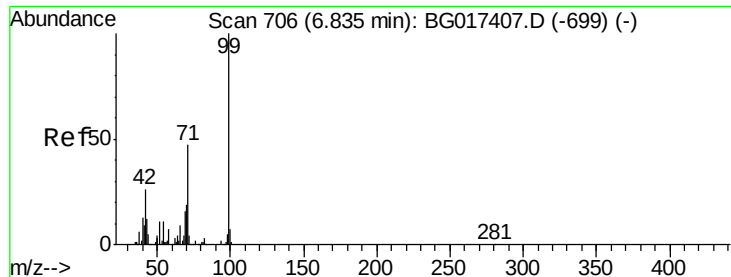


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 31.89 ng

RT: 6.84 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG017491.D

Acq: 6 Jun 2015 3:50

Instrument :

BNA\_G

ClientSampleId :

MW-3-6-2-15

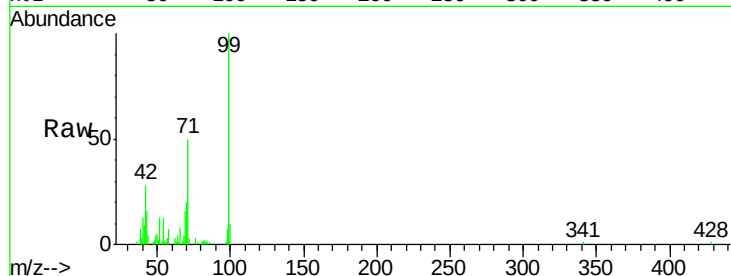
Tgt Ion: 99 Resp: 40170

Ion Ratio Lower Upper

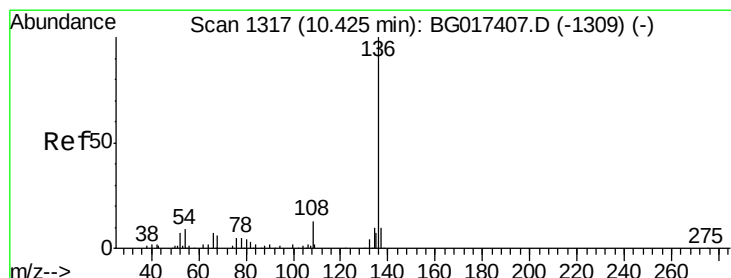
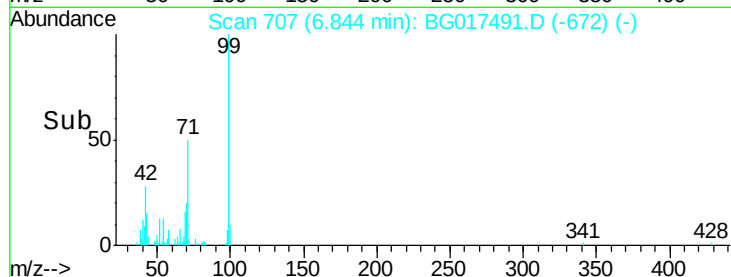
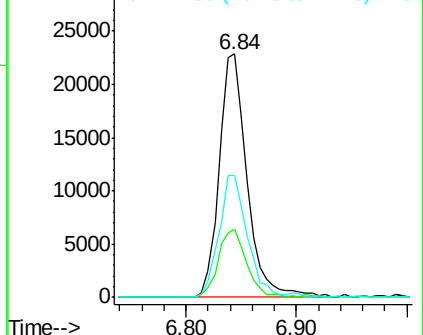
99 100

42 27.8 21.0 31.6

71 50.3 37.2 55.8



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: 10.42 min Scan# 1316

Delta R.T. 0.01 min

Lab File: BG017491.D

Acq: 6 Jun 2015 3:50

Tgt Ion: 136 Resp: 64490

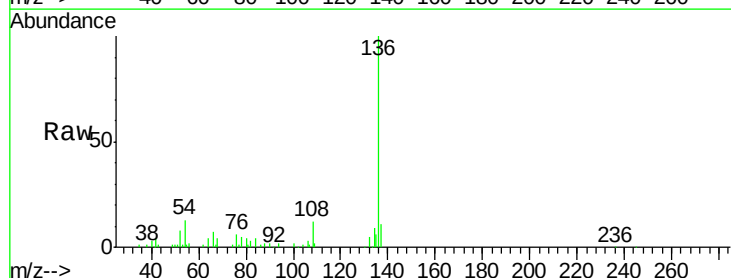
Ion Ratio Lower Upper

136 100

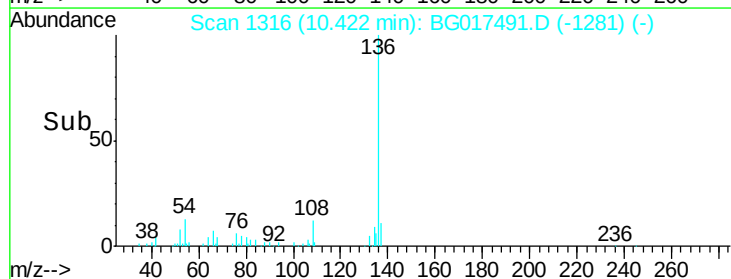
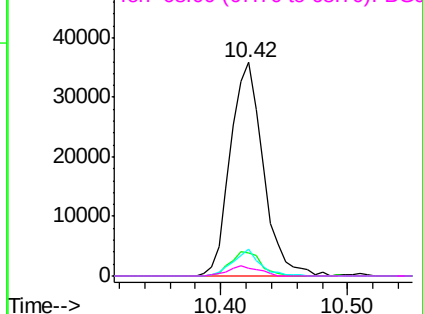
137 10.6 7.9 11.9

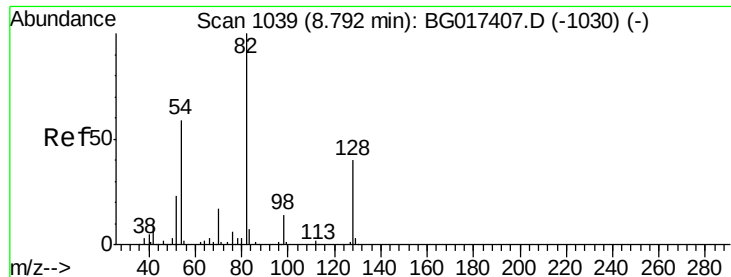
54 12.7 7.2 10.8#

68 3.7 4.5 6.7#



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

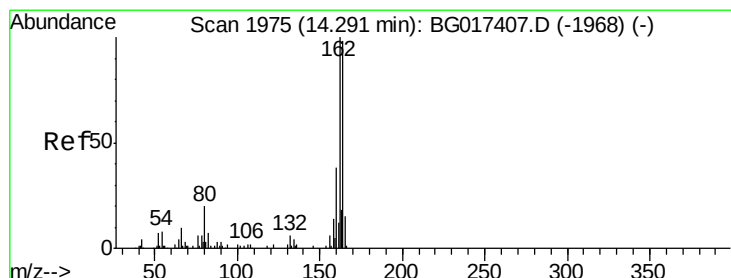
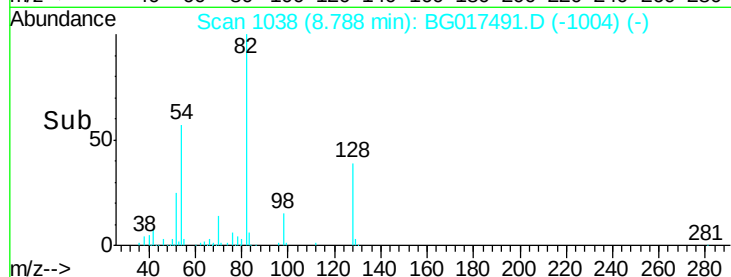
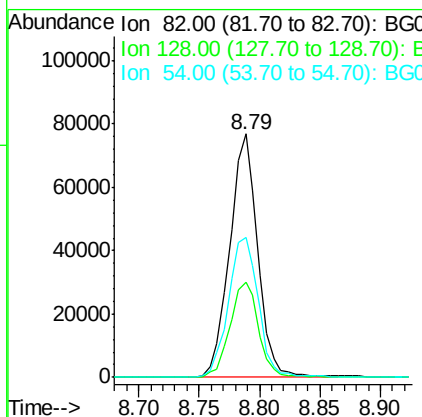
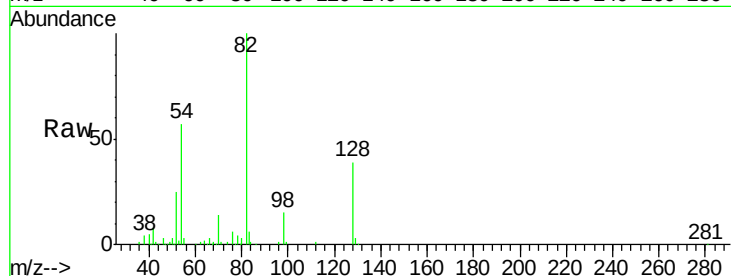




#23  
 Nitrobenzene-d5  
 Concen: 96.01 ng  
 RT: 8.79 min Scan# 1038  
 Delta R.T. 0.00 min  
 Lab File: BG017491.D  
 Acq: 6 Jun 2015 3:50

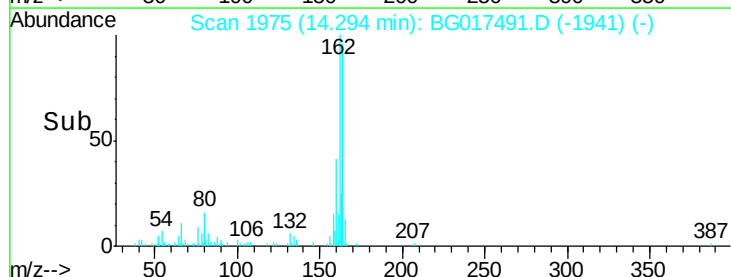
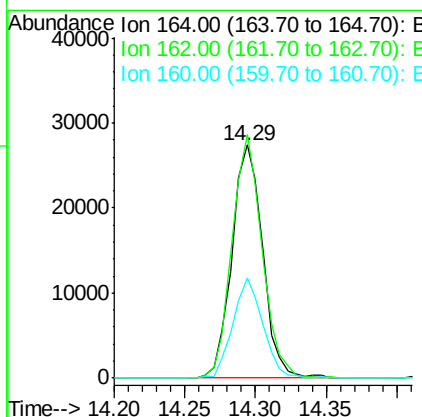
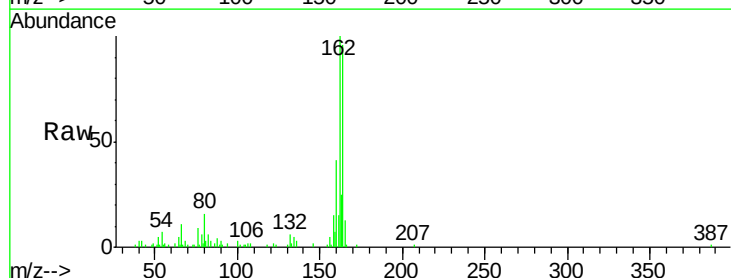
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3-6-2-15

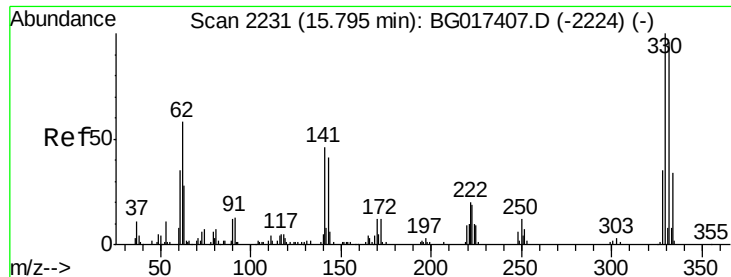
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.3  | 32.2  | 48.4  |
| 54      | 57.5  | 47.4  | 71.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.29 min Scan# 1975  
 Delta R.T. 0.00 min  
 Lab File: BG017491.D  
 Acq: 6 Jun 2015 3:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.4 | 81.8  | 122.6 |
| 160     | 42.9  | 31.0  | 46.4  |

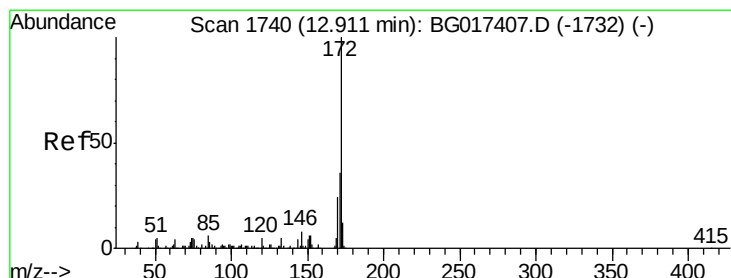
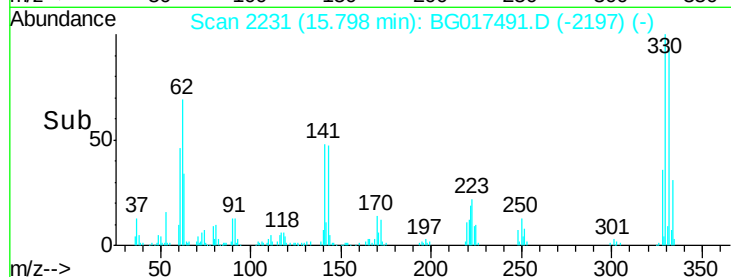
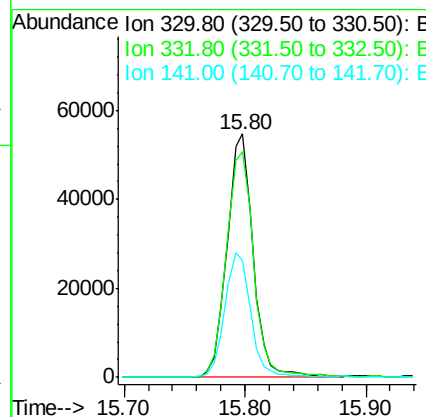
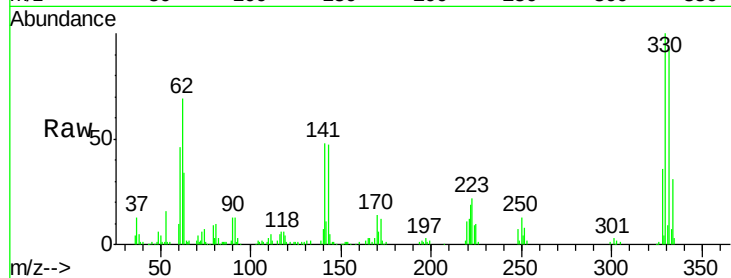




#41  
 2,4,6-Tribromophenol  
 Concen: 142.49 ng  
 RT: 15.80 min Scan# 2231  
 Delta R.T. 0.00 min  
 Lab File: BG017491.D  
 Acq: 6 Jun 2015 3:50

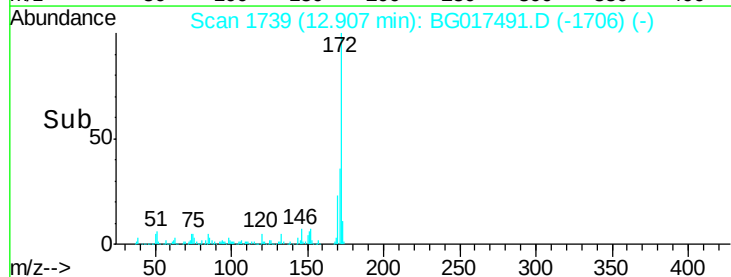
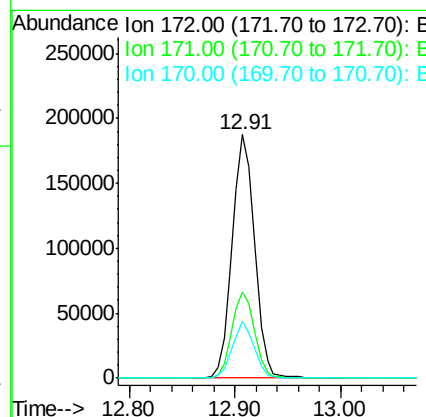
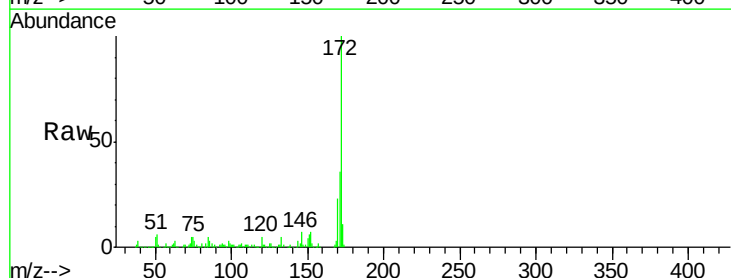
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3-6-2-15

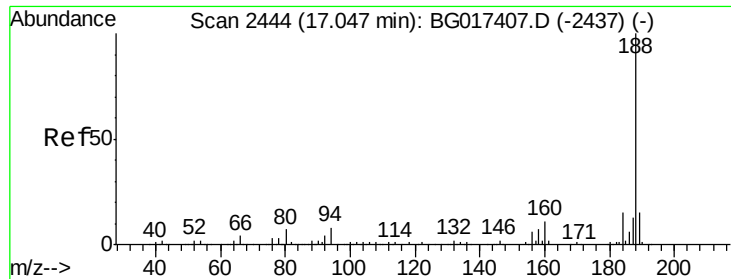
Tgt Ion:330 Resp: 82019  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 75.9 113.9  
 141 50.7 40.2 60.4



#44  
 2-Fluorobiphenyl  
 Concen: 99.96 ng  
 RT: 12.91 min Scan# 1739  
 Delta R.T. -0.00 min  
 Lab File: BG017491.D  
 Acq: 6 Jun 2015 3:50

Tgt Ion:172 Resp: 274631  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 29.0 43.6  
 170 23.1 18.9 28.3

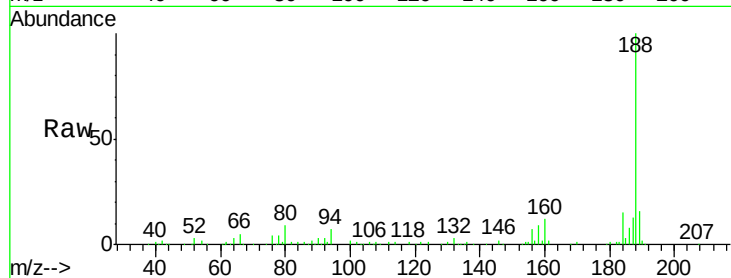




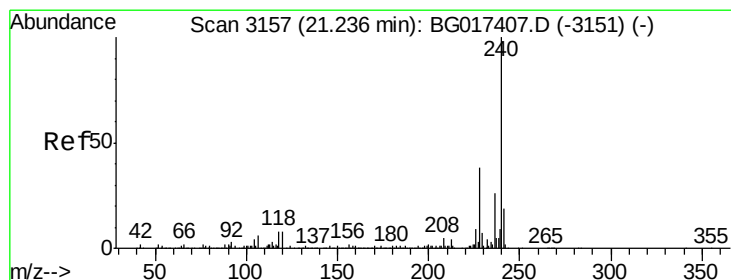
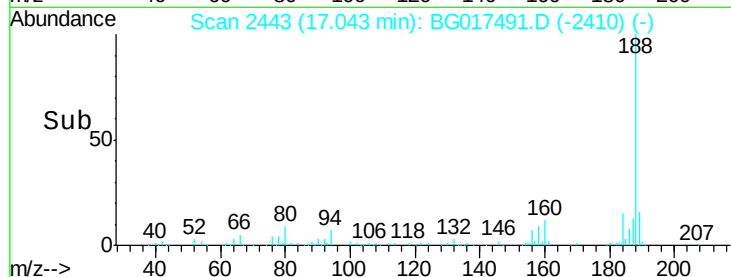
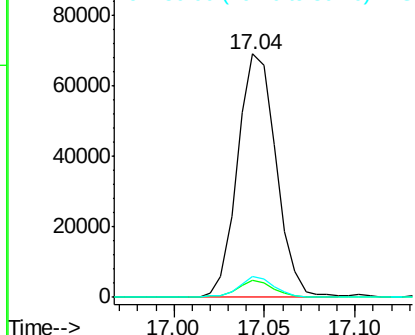
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.04 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG017491.D  
Acq: 6 Jun 2015 3:50

Instrument :  
BNA\_G  
ClientSampleId :  
MW-3-6-2-15

Tgt Ion:188 Resp: 102666  
Ion Ratio Lower Upper  
188 100  
94 7.1 6.3 9.5  
80 8.7 5.2 7.8#

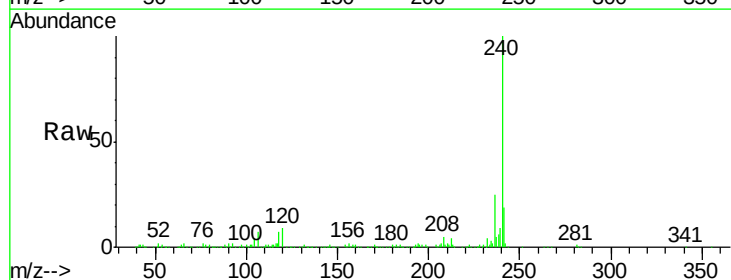


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

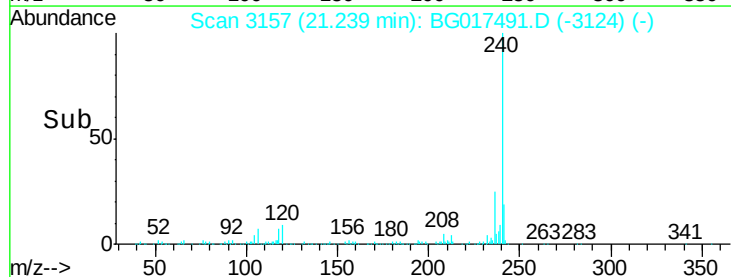
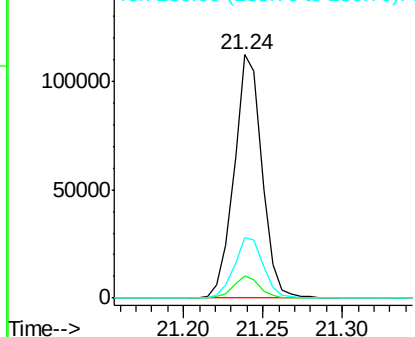


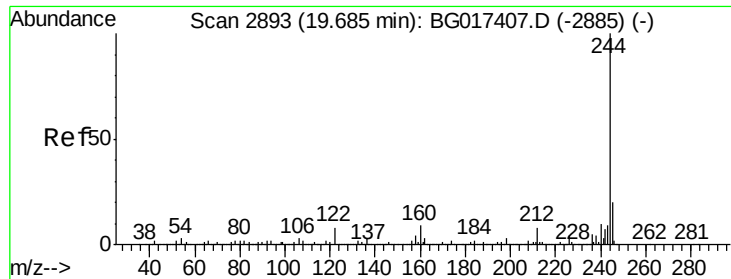
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.24 min Scan# 3157  
Delta R.T. -0.00 min  
Lab File: BG017491.D  
Acq: 6 Jun 2015 3:50

Tgt Ion:240 Resp: 136722  
Ion Ratio Lower Upper  
240 100  
120 9.0 6.5 9.7  
236 24.9 20.8 31.2



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

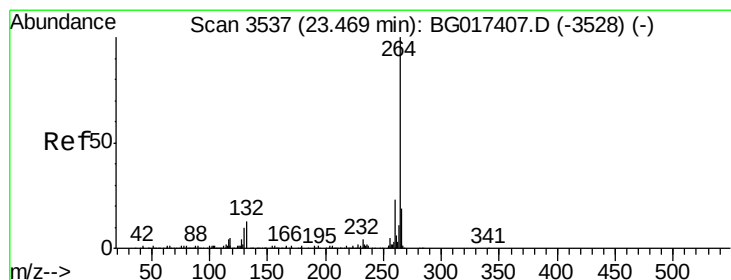
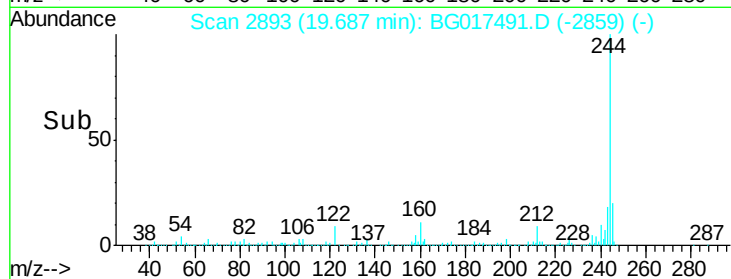
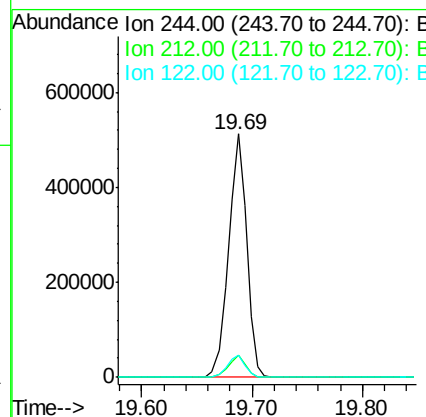
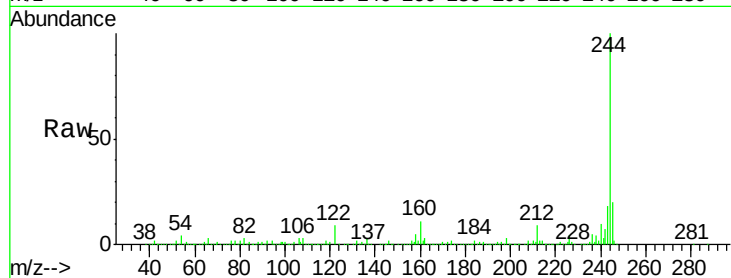




#78  
 Terphenyl-d14  
 Concen: 89.17 ng  
 RT: 19.69 min Scan# 2893  
 Delta R.T. 0.00 min  
 Lab File: BG017491.D  
 Acq: 6 Jun 2015 3:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3-6-2-15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.9   | 6.4   | 9.6   |
| 122     | 8.9   | 6.6   | 10.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.48 min Scan# 3539  
 Delta R.T. 0.00 min  
 Lab File: BG017491.D  
 Acq: 6 Jun 2015 3:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.3  | 18.2  | 27.4  |
| 265     | 20.0  | 15.8  | 23.6  |

