

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051515\  
 Data File : BG017181.D  
 Acq On : 15 May 2015 18:23  
 Operator : TP/IZ  
 Sample : G2234-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW1

Quant Time: May 16 00:53:43 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 16 00:01:34 2015  
 Response via : Initial Calibration

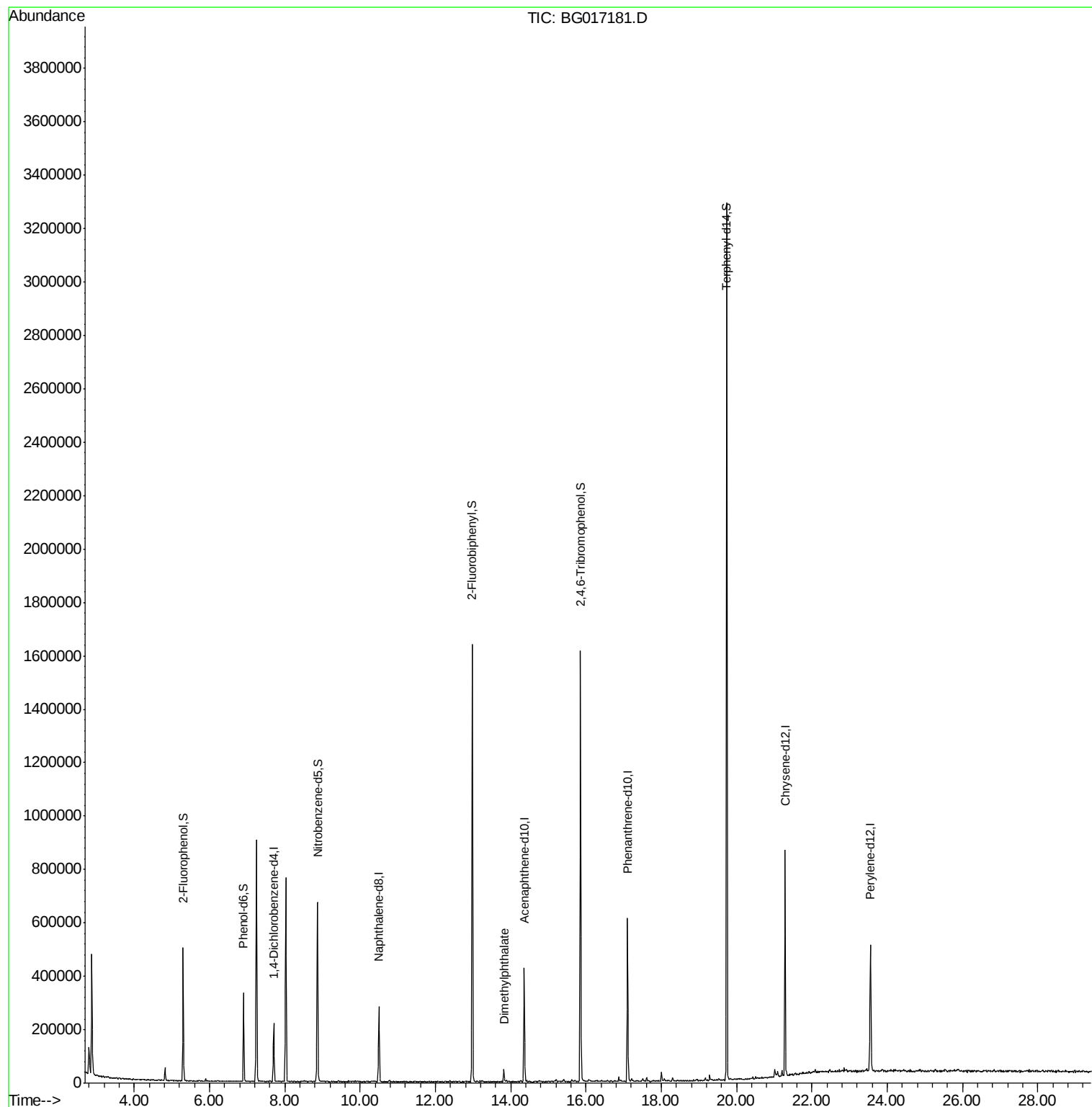
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.71  | 152  | 48237    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.50 | 136  | 205593   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.36 | 164  | 132460   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.11 | 188  | 311602   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.29 | 240  | 345799   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 23.56 | 264  | 329242   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.30  | 112  | 176295   | 64.84  | ng    | 0.00         |
| 7) Phenol-d6                | 6.91  | 99   | 147274   | 38.60  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.87  | 82   | 350936   | 79.69  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 15.86 | 330  | 220460   | 137.68 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 12.98 | 172  | 736625   | 81.60  | ng    | 0.00         |
| 78) Terphenyl-d14           | 19.74 | 244  | 1266543  | 76.33  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 13.82 | 163  | 25761    | 2.49   | ng    | Qvalue<br>97 |

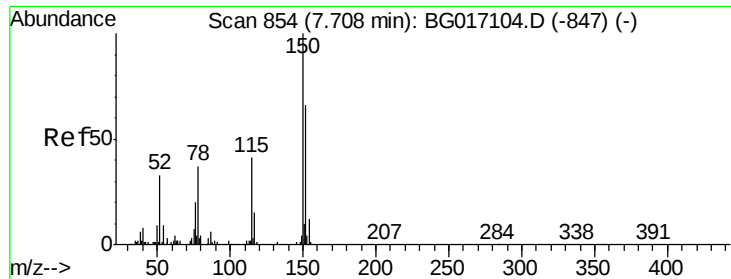
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat May 16 00:01:34 2015  
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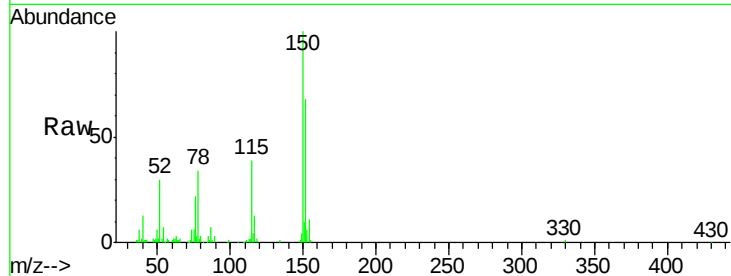


#1

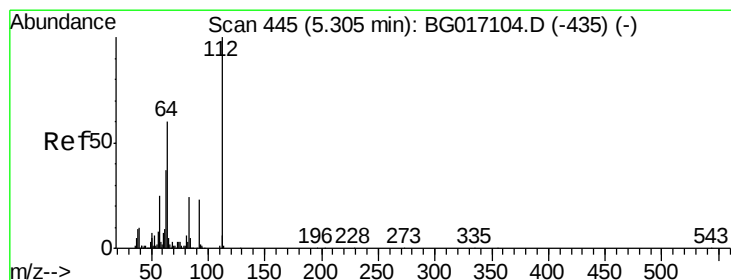
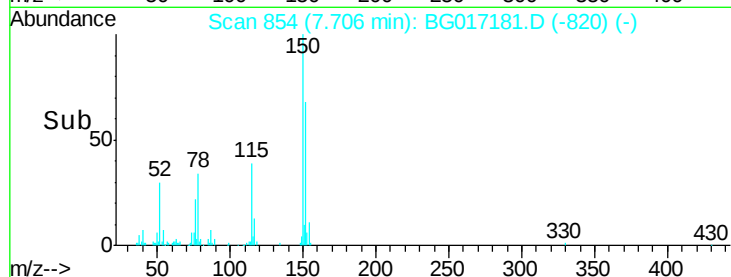
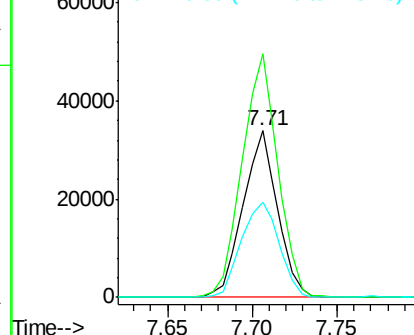
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.71 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: BG017181.D  
Acq: 15 May 2015 18:23

Instrument :  
BNA\_G  
ClientSampleId :  
MW1

Tgt Ion:152 Resp: 48237  
Ion Ratio Lower Upper  
152 100  
150 146.0 120.8 181.2  
115 56.8 49.4 74.2



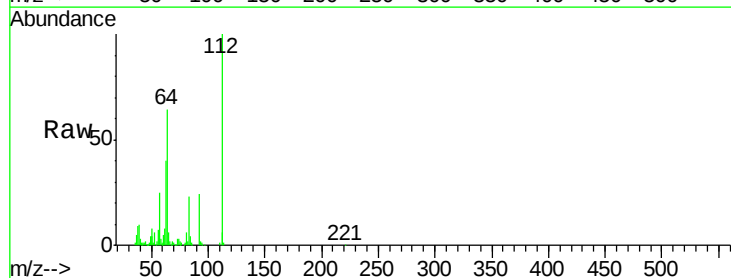
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



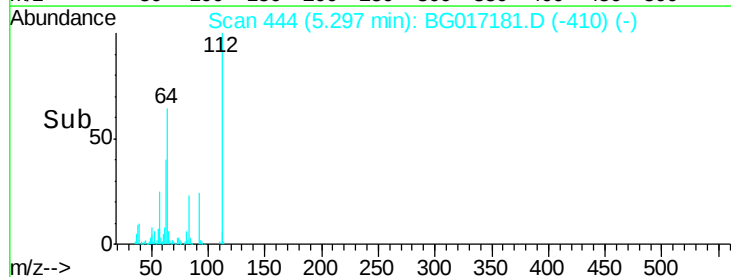
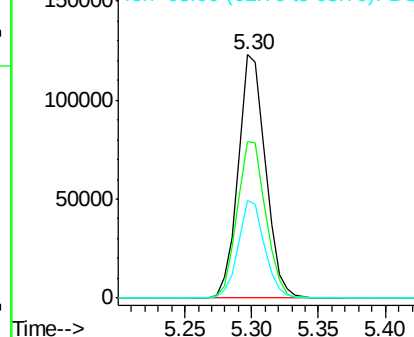
#5

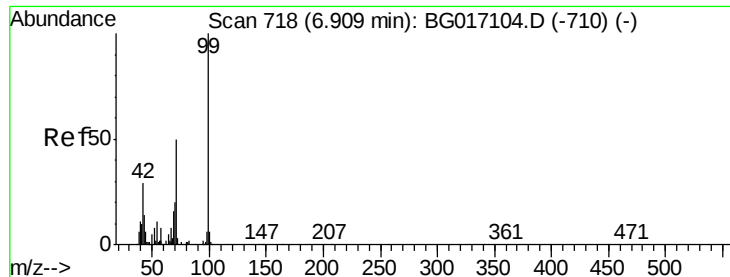
2-Fluorophenol  
Concen: 64.84 ng  
RT: 5.30 min Scan# 444  
Delta R.T. 0.00 min  
Lab File: BG017181.D  
Acq: 15 May 2015 18:23

Tgt Ion:112 Resp: 176295  
Ion Ratio Lower Upper  
112 100  
64 64.3 48.1 72.1  
63 40.0 29.8 44.8



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: 38.60 ng

RT: 6.91 min Scan# 718

Delta R.T. 0.00 min

Lab File: BG017181.D

Acq: 15 May 2015 18:23

Instrument :

BNA\_G

ClientSampleId :

MW1

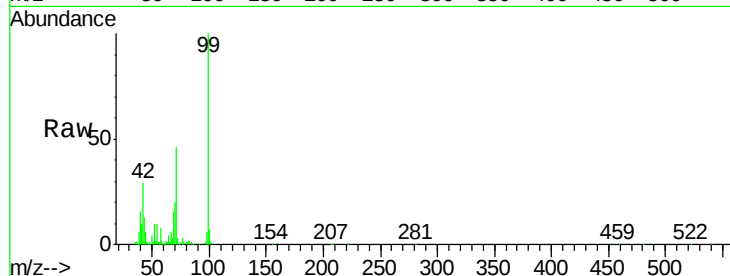
Tgt Ion: 99 Resp: 147274

Ion Ratio Lower Upper

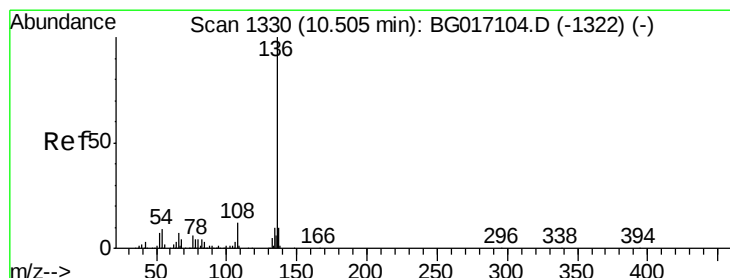
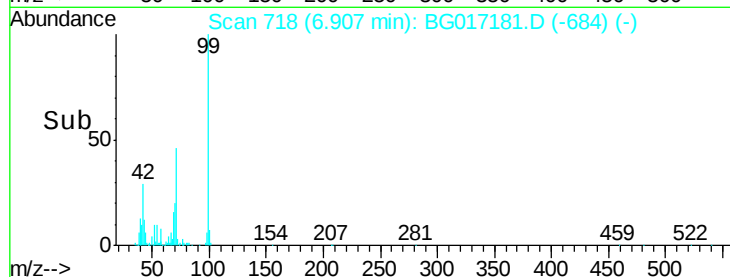
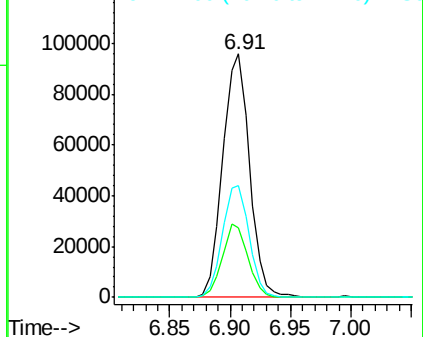
99 100

42 28.7 23.5 35.3

71 46.0 39.8 59.8



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: 10.50 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BG017181.D

Acq: 15 May 2015 18:23

Tgt Ion: 136 Resp: 205593

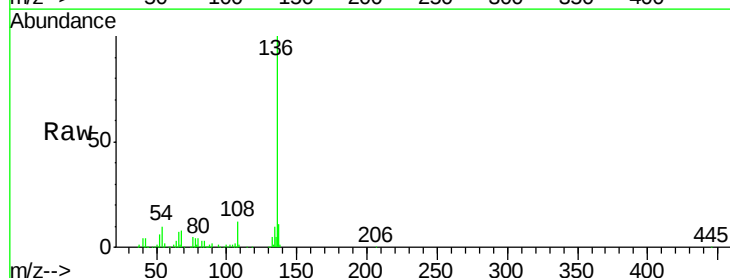
Ion Ratio Lower Upper

136 100

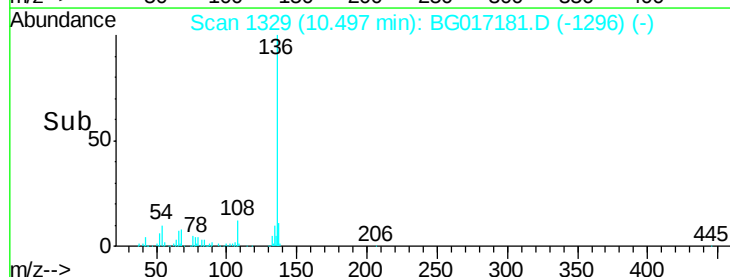
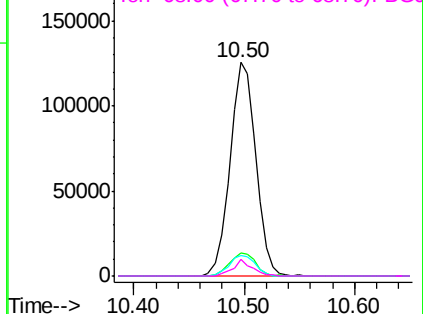
137 10.9 8.3 12.5

54 9.9 7.4 11.2

68 7.6 3.6 5.4#



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

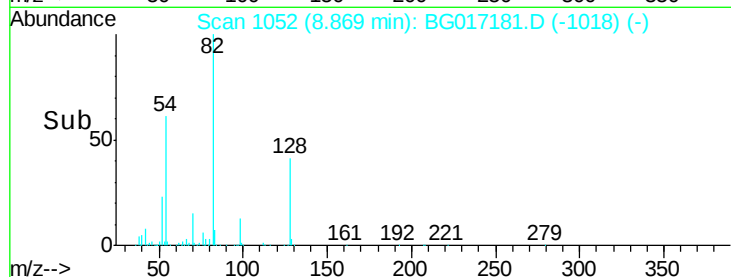
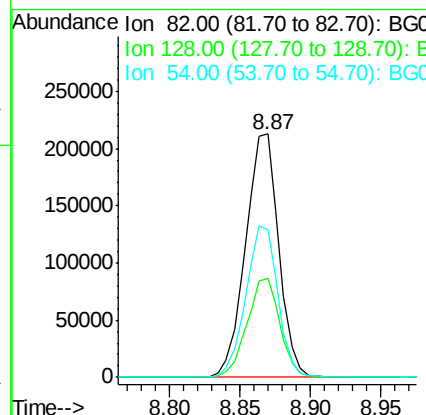
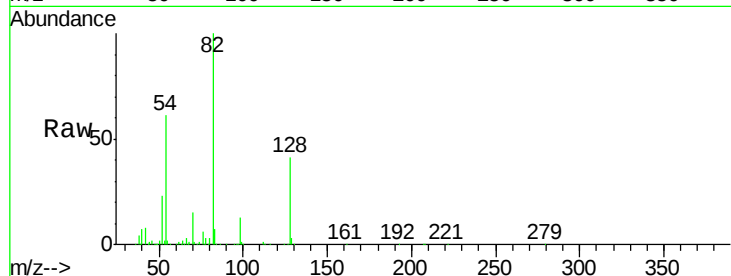




#23  
 Nitrobenzene-d5  
 Concen: 79.69 ng  
 RT: 8.87 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: BG017181.D  
 Acq: 15 May 2015 18:23

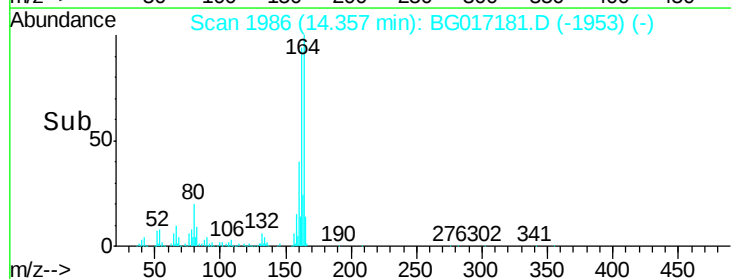
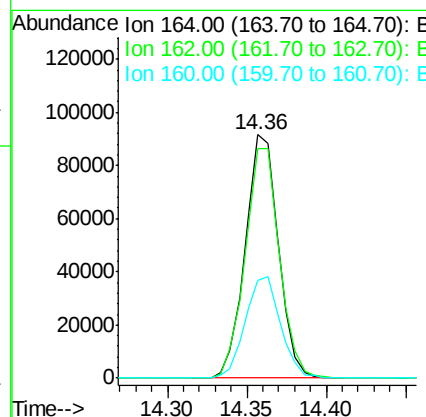
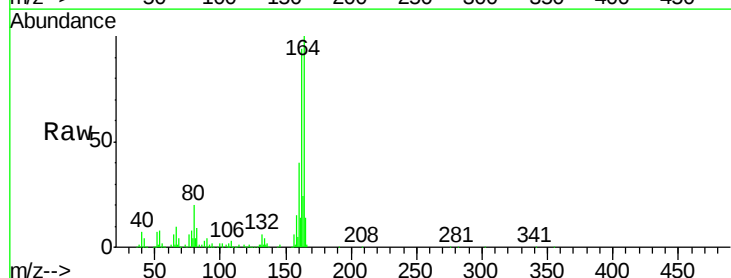
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW1

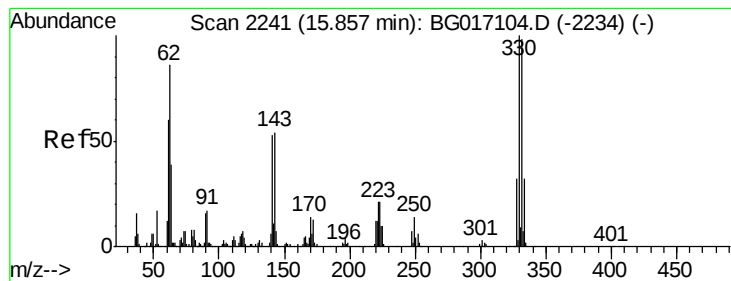
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.7  | 32.6  | 49.0  |
| 54      | 60.8  | 49.6  | 74.4  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.36 min Scan# 1986  
 Delta R.T. -0.01 min  
 Lab File: BG017181.D  
 Acq: 15 May 2015 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 94.2  | 82.1  | 123.1 |
| 160     | 40.1  | 34.8  | 52.2  |





#41

2,4,6-Tribromophenol

Concen: 137.68 ng

RT: 15.86 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BG017181.D

Acq: 15 May 2015 18:23

Instrument :

BNA\_G

ClientSampleId :

MW1

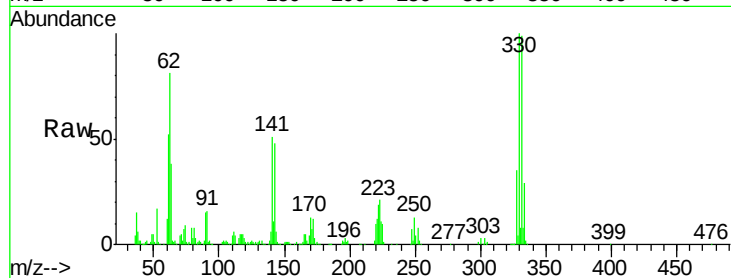
Tgt Ion:330 Resp: 220460

Ion Ratio Lower Upper

330 100

332 95.3 76.9 115.3

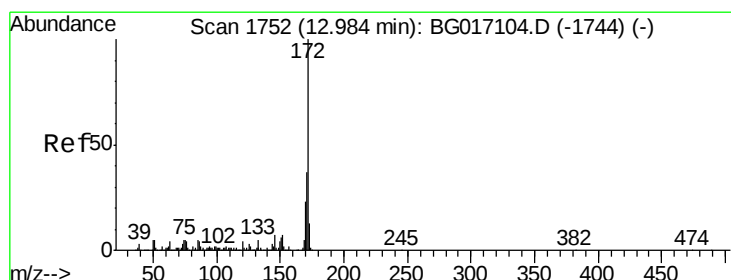
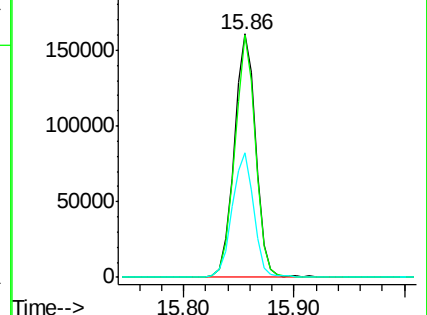
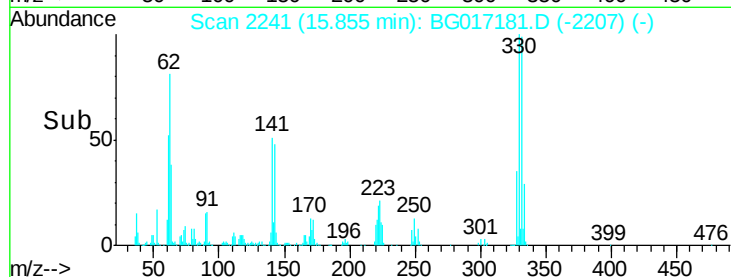
141 51.3 42.2 63.2



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: 81.60 ng

RT: 12.98 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BG017181.D

Acq: 15 May 2015 18:23

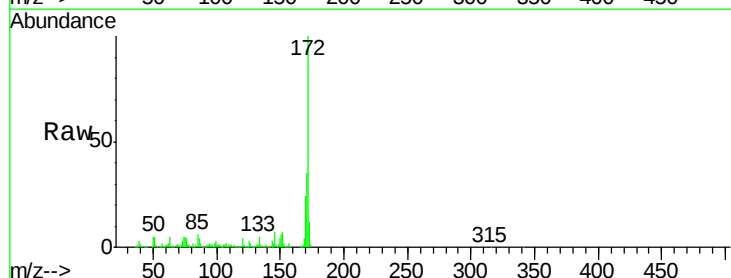
Tgt Ion:172 Resp: 736625

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

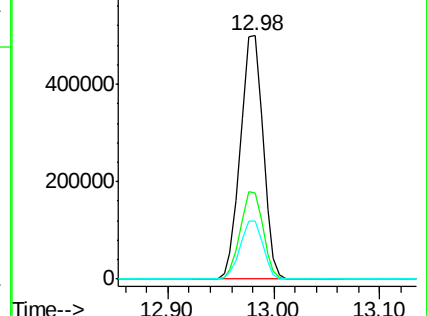
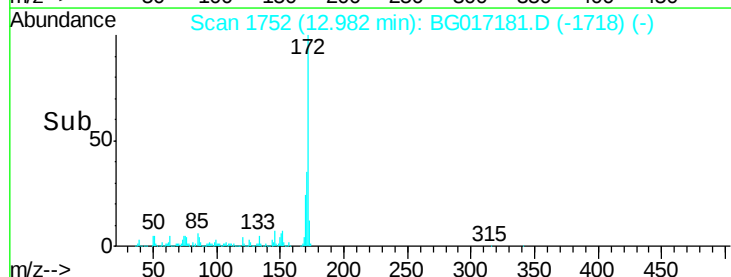
170 23.6 18.4 27.6

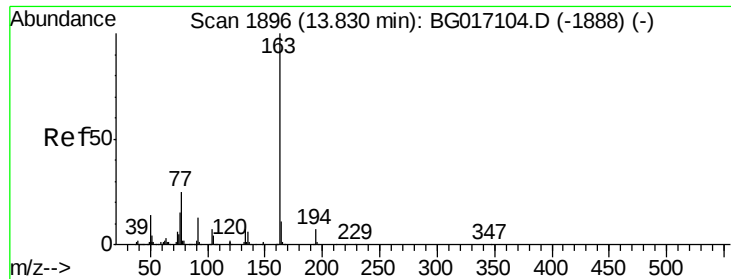


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.49 ng

RT: 13.82 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BG017181.D

Acq: 15 May 2015 18:23

Instrument :

BNA\_G

ClientSampleId :

MW1

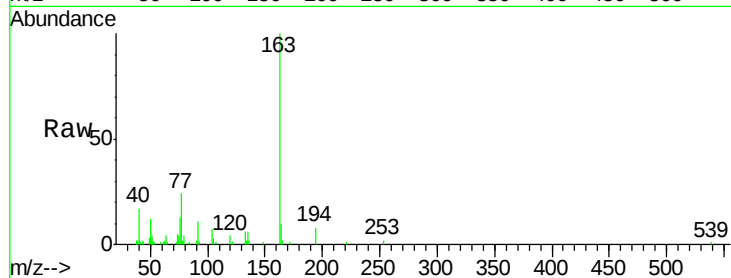
Tgt Ion:163 Resp: 25761

Ion Ratio Lower Upper

163 100

194 7.6 5.6 8.4

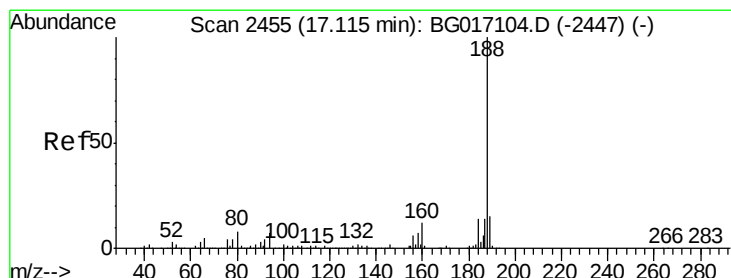
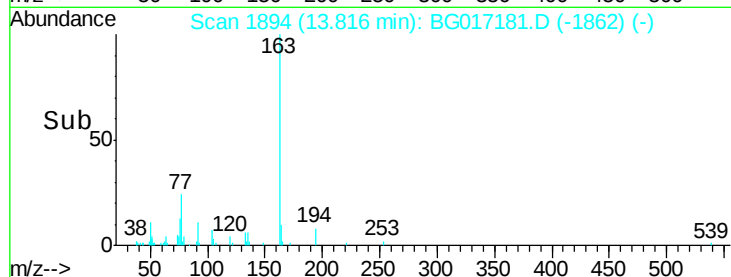
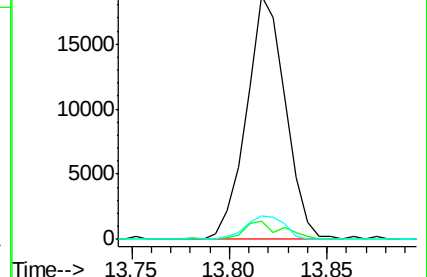
164 9.6 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.11 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BG017181.D

Acq: 15 May 2015 18:23

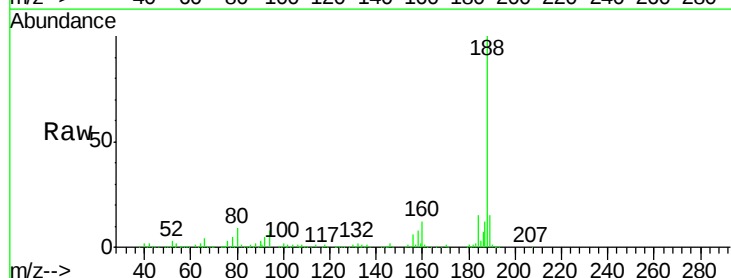
Tgt Ion:188 Resp: 311602

Ion Ratio Lower Upper

188 100

94 8.1 5.8 8.6

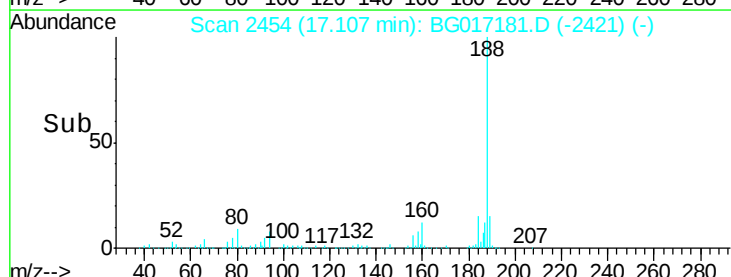
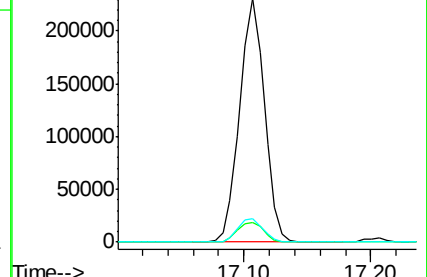
80 9.5 6.5 9.7

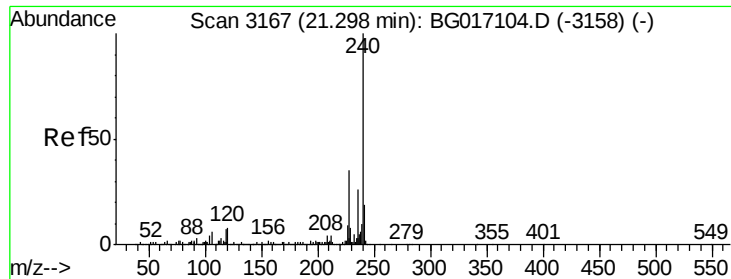


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

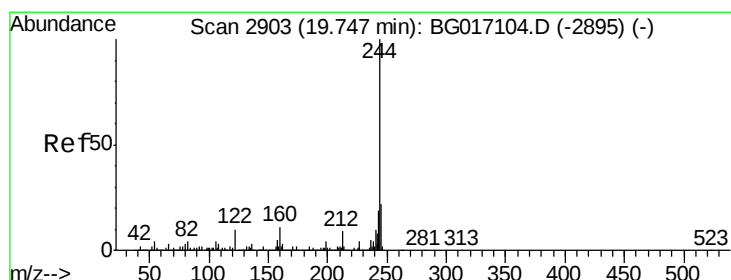
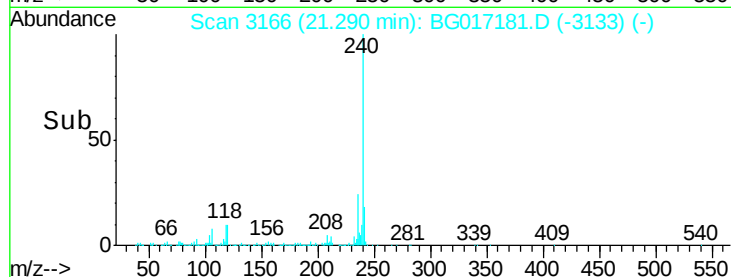
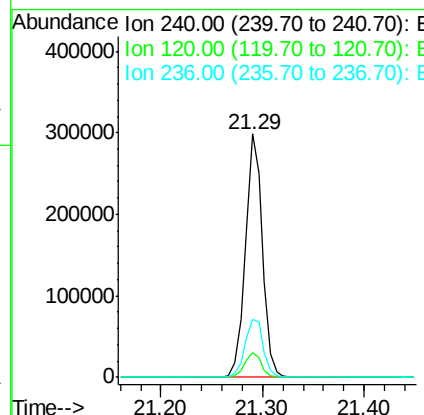
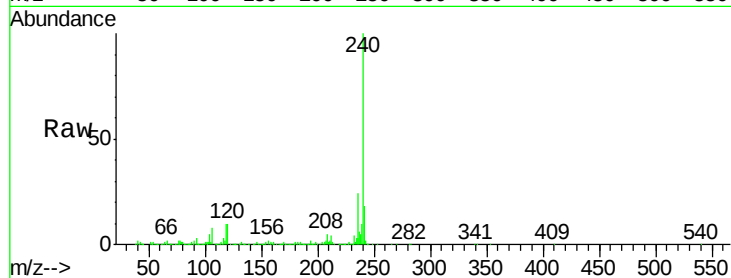




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.29 min Scan# 3166  
Delta R.T. -0.01 min  
Lab File: BG017181.D  
Acq: 15 May 2015 18:23

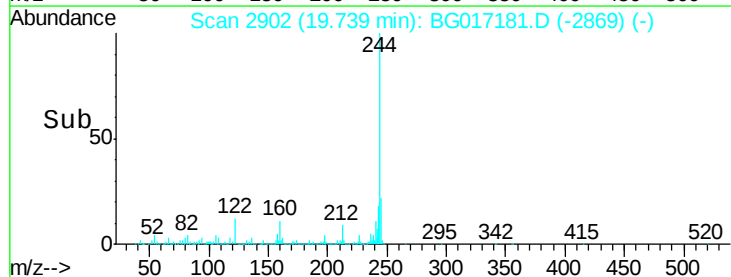
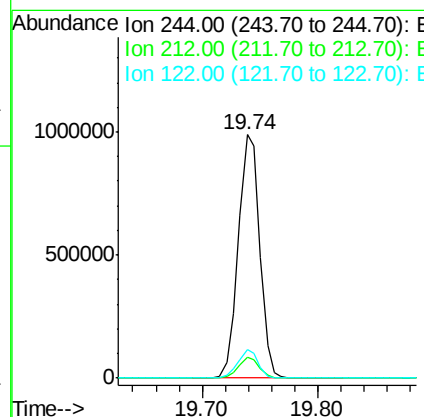
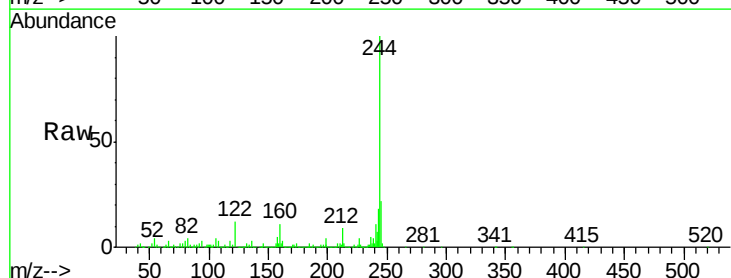
Instrument :  
BNA\_G  
ClientSampleId :  
MW1

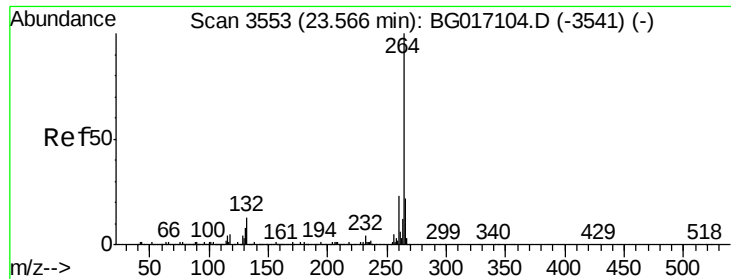
Tgt Ion:240 Resp: 345799  
Ion Ratio Lower Upper  
240 100  
120 10.3 6.0 9.0#  
236 23.6 20.5 30.7



#78  
Terphenyl-d14  
Concen: 76.33 ng  
RT: 19.74 min Scan# 2902  
Delta R.T. -0.01 min  
Lab File: BG017181.D  
Acq: 15 May 2015 18:23

Tgt Ion:244 Resp: 1266543  
Ion Ratio Lower Upper  
244 100  
212 8.8 7.0 10.4  
122 12.0 8.4 12.6





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.56 min Scan# 3552  
Delta R.T. 0.00 min  
Lab File: BG017181.D  
Acq: 15 May 2015 18:23

Instrument :  
BNA\_G  
ClientSampleId :  
MW1

Tgt Ion: 264 Resp: 329242  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.0 27.0  
265 23.5 17.4 26.0

