

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
 Data File : BG016991.D  
 Acq On : 9 May 2015 16:19  
 Operator : TP/IZ  
 Sample : G2087-02  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B1-5-7

Quant Time: May 11 02:26:20 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 16:13:58 2015  
 Response via : Initial Calibration

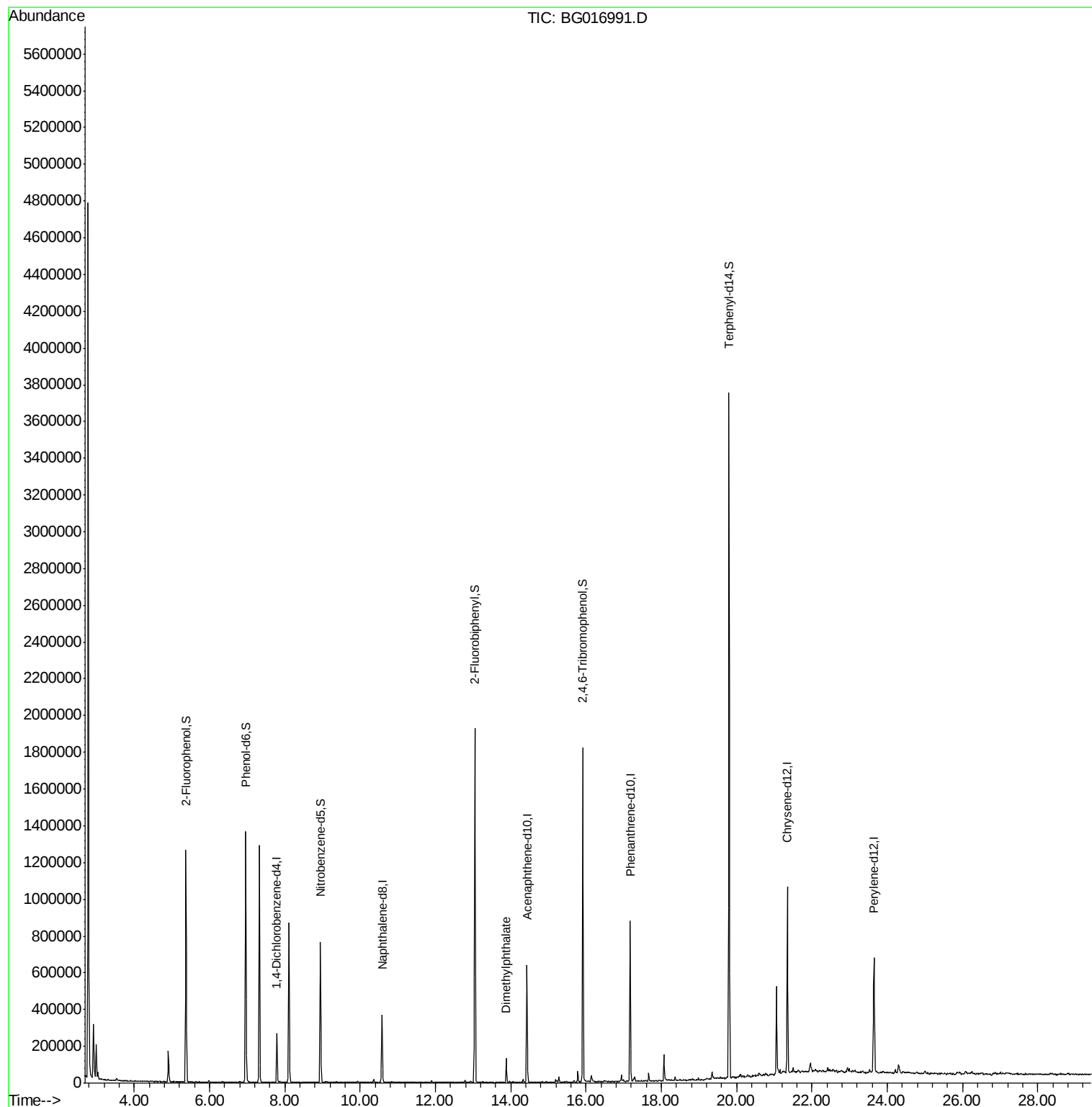
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 62601    | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 10.58 | 136  | 275973   | 20.00  | ng    | -0.01          |
| 38) Acenaphthene-d10        | 14.43 | 164  | 193836   | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 17.17 | 188  | 457001   | 20.00  | ng    | -0.02          |
| 75) Chrysene-d12            | 21.35 | 240  | 442335   | 20.00  | ng    | -0.02          |
| 86) Perylene-d12            | 23.65 | 264  | 444626   | 20.00  | ng    | -0.03          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.37  | 112  | 443031   | 123.23 | ng    | -0.01          |
| 7) Phenol-d6                | 6.96  | 99   | 638894   | 124.39 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 8.94  | 82   | 404973   | 71.69  | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 15.92 | 330  | 259195   | 133.20 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 13.05 | 172  | 874416   | 68.07  | ng    | -0.02          |
| 78) Terphenyl-d14           | 19.80 | 244  | 1456302  | 77.18  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 13.89 | 163  | 71517    | 4.94   | ng    | Qvalue<br># 96 |

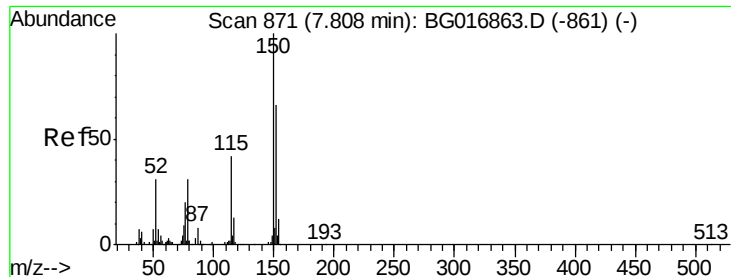
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. -0.01 min

Lab File: BG016991.D

Acq: 9 May 2015 16:19

Instrument :

BNA\_G

ClientSampleId :

B1-5-7

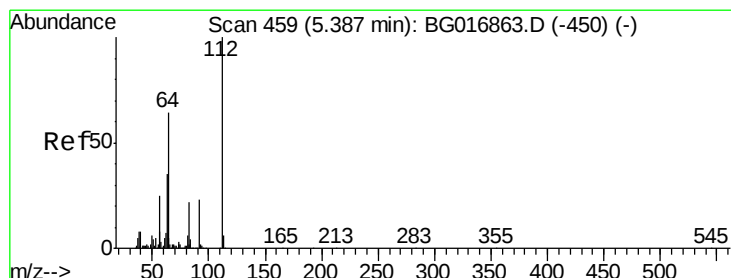
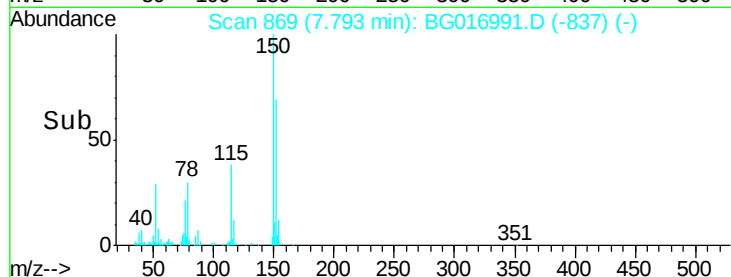
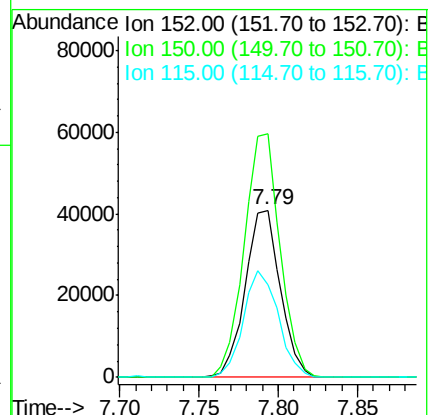
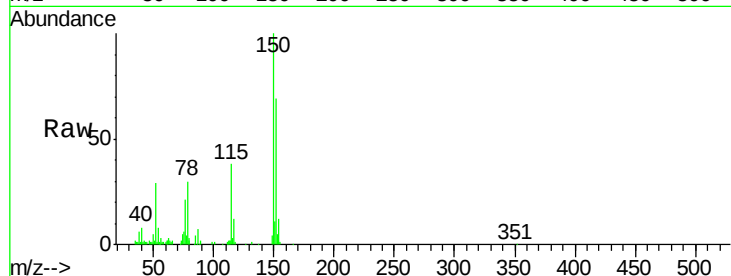
Tgt Ion:152 Resp: 62601

Ion Ratio Lower Upper

152 100

150 145.5 121.0 181.4

115 55.2 50.5 75.7



#5

2-Fluorophenol

Concen: 123.23 ng

RT: 5.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: BG016991.D

Acq: 9 May 2015 16:19

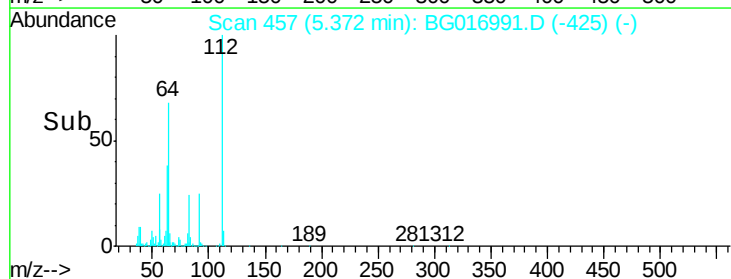
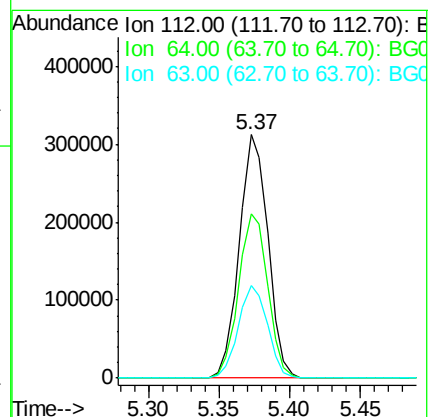
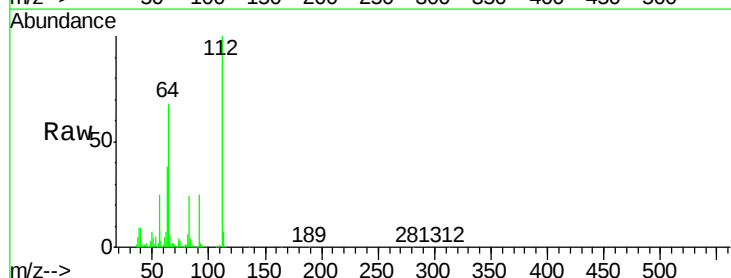
Tgt Ion:112 Resp: 443031

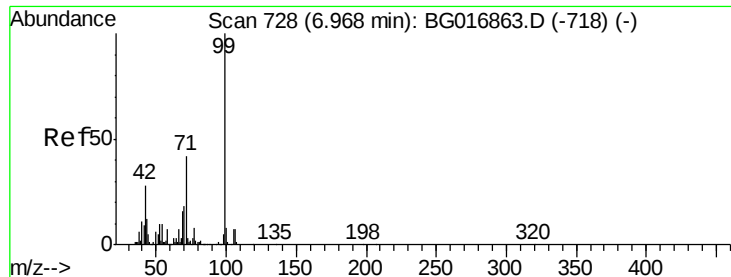
Ion Ratio Lower Upper

112 100

64 67.7 51.4 77.2

63 38.0 28.1 42.1





#7

Phenol-d6

Concen: 124.39 ng

RT: 6.96 min Scan# 728

Delta R.T. -0.00 min

Lab File: BG016991.D

Acq: 9 May 2015 16:19

Instrument :

BNA\_G

ClientSampleId :

B1-5-7

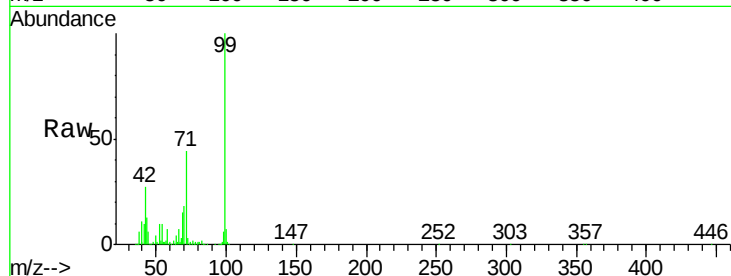
Tgt Ion: 99 Resp: 638894

Ion Ratio Lower Upper

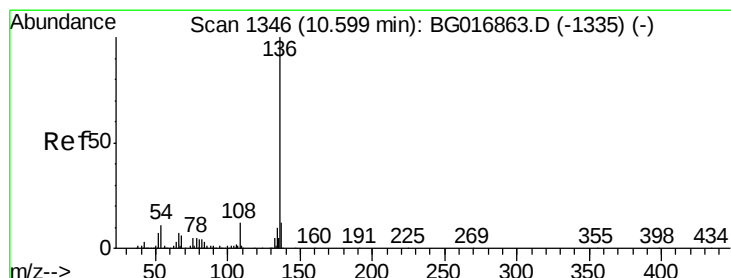
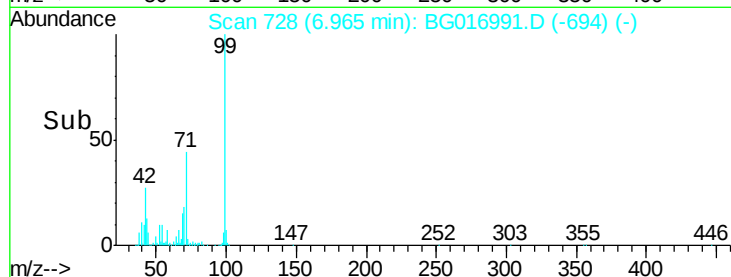
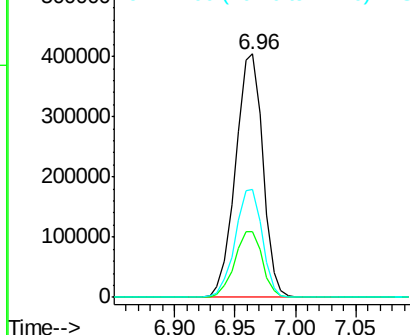
99 100

42 27.2 22.1 33.1

71 44.4 33.4 50.0



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: 10.58 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BG016991.D

Acq: 9 May 2015 16:19

Tgt Ion: 136 Resp: 275973

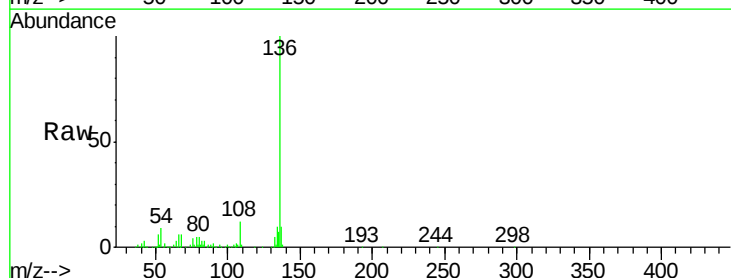
Ion Ratio Lower Upper

136 100

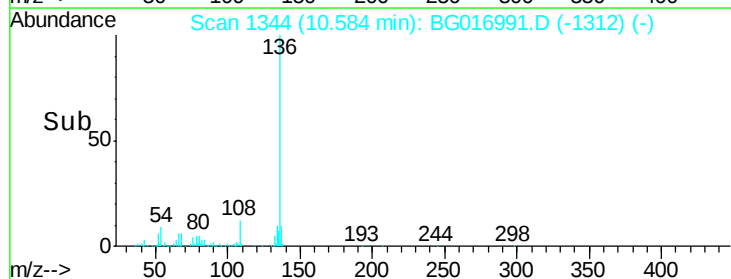
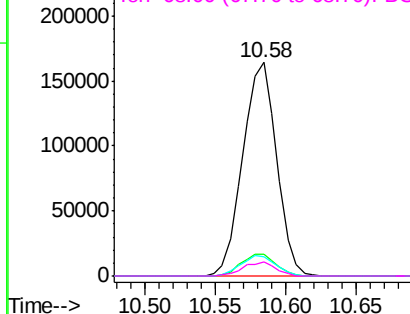
137 10.3 9.8 14.8

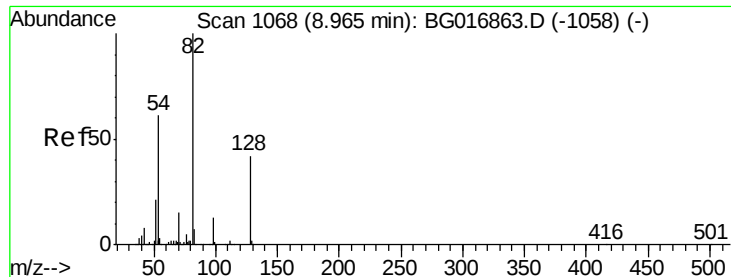
54 9.1 8.7 13.1

68 6.4 5.0 7.4



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

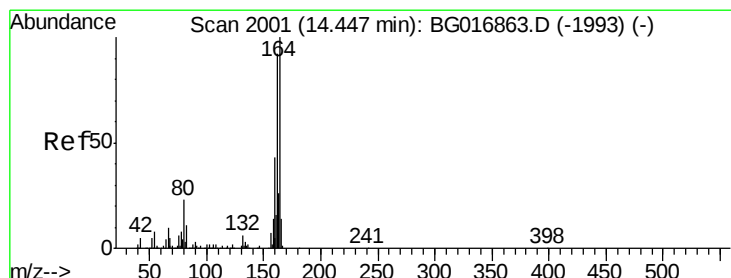
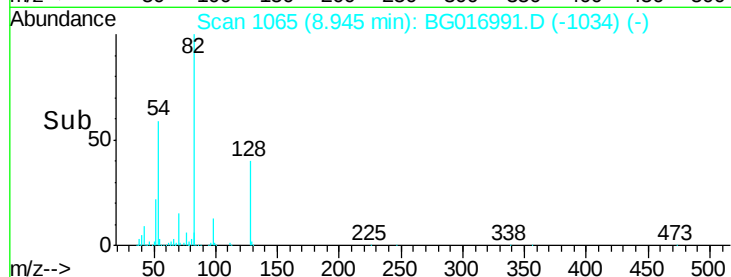
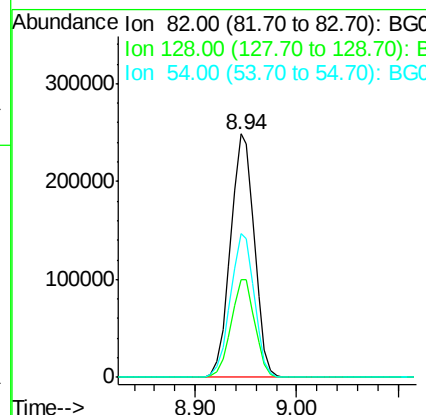
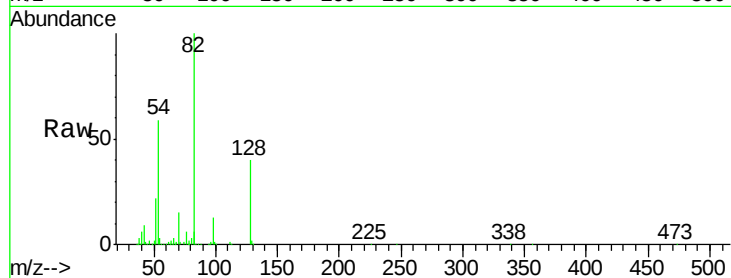




#23  
 Nitrobenzene-d5  
 Concen: 71.69 ng  
 RT: 8.94 min Scan# 1065  
 Delta R.T. -0.02 min  
 Lab File: BG016991.D  
 Acq: 9 May 2015 16:19

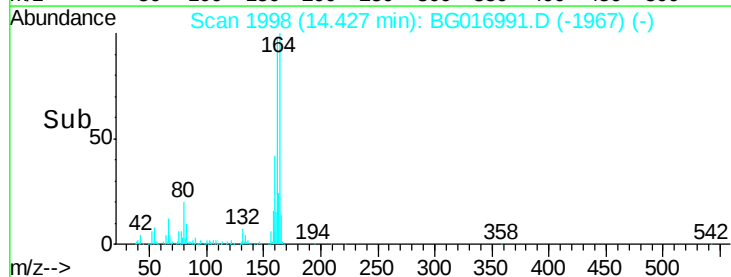
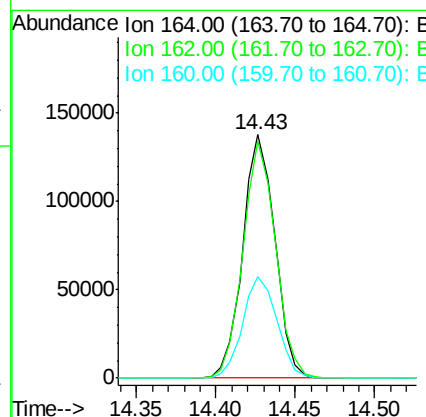
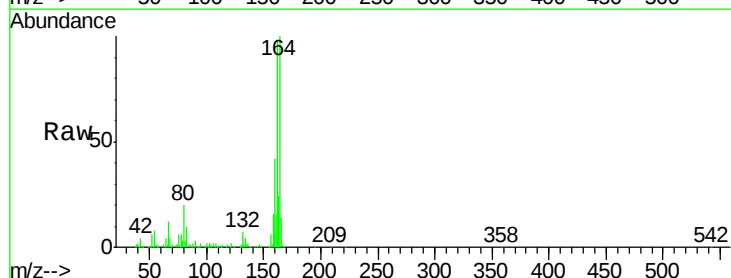
Instrument :  
 BNA\_G  
 ClientSampleId :  
 B1-5-7

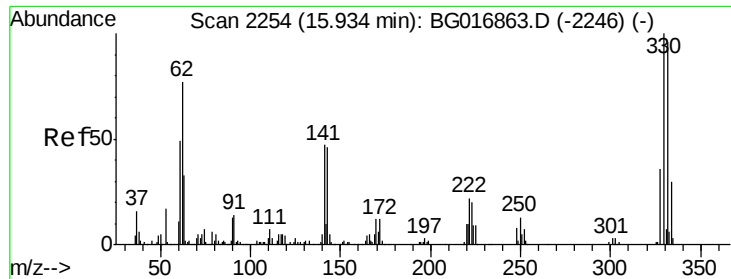
Tgt Ion: 82 Resp: 404973  
 Ion Ratio Lower Upper  
 82 100  
 128 40.3 33.2 49.8  
 54 58.9 48.6 72.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.43 min Scan# 1998  
 Delta R.T. -0.02 min  
 Lab File: BG016991.D  
 Acq: 9 May 2015 16:19

Tgt Ion: 164 Resp: 193836  
 Ion Ratio Lower Upper  
 164 100  
 162 97.6 74.0 111.0  
 160 41.7 34.7 52.1

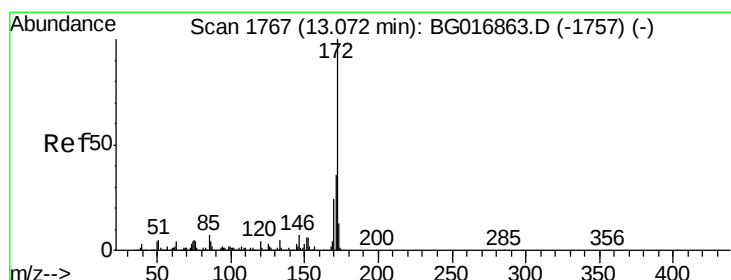
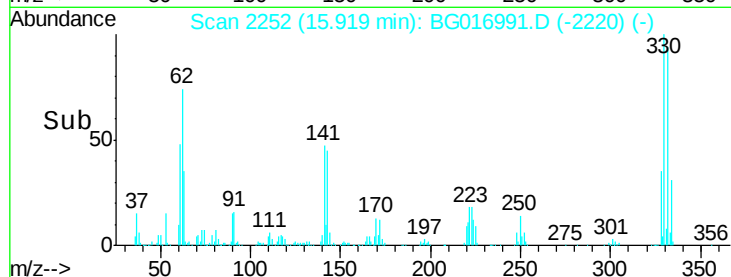
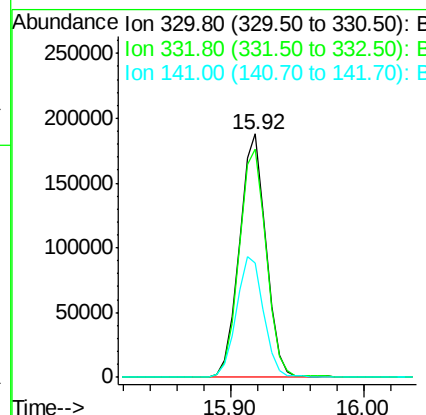
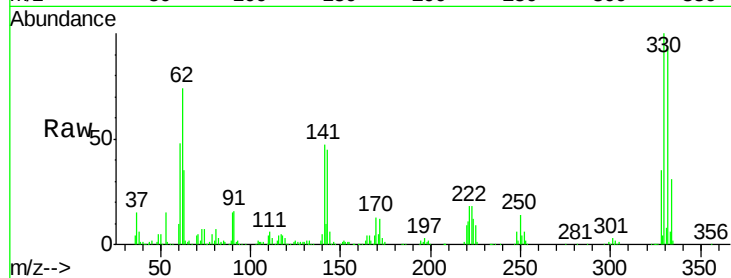




#41  
 2,4,6-Tribromophenol  
 Concen: 133.20 ng  
 RT: 15.92 min Scan# 2252  
 Delta R.T. -0.01 min  
 Lab File: BG016991.D  
 Acq: 9 May 2015 16:19

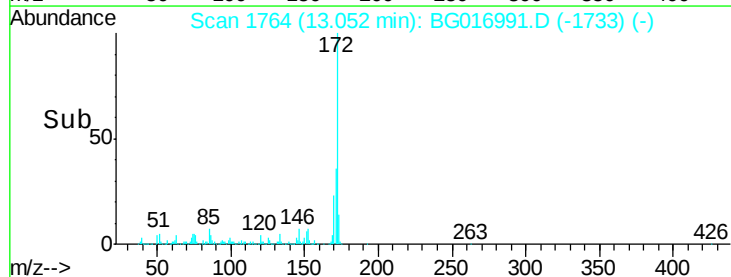
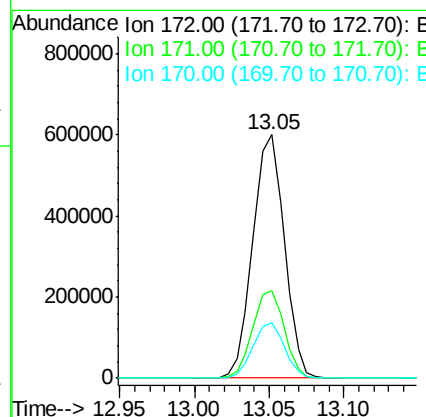
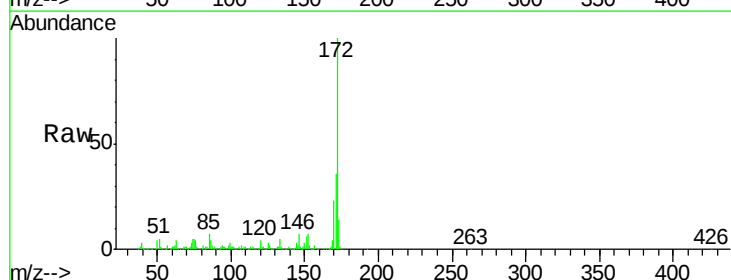
Instrument :  
 BNA\_G  
 ClientSampleId :  
 B1-5-7

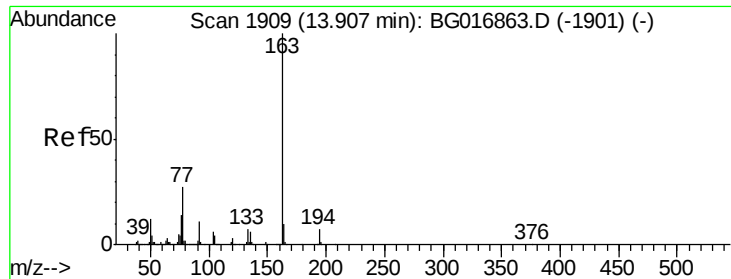
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 0.0   | 0.0#  |
| 141     | 50.9  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 68.07 ng  
 RT: 13.05 min Scan# 1764  
 Delta R.T. -0.02 min  
 Lab File: BG016991.D  
 Acq: 9 May 2015 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.0  | 43.4  |
| 170     | 23.0  | 19.0  | 28.4  |





#49

Dimethylphthalate

Concen: 4.94 ng

RT: 13.89 min Scan# 1906

Delta R.T. -0.02 min

Lab File: BG016991.D

Acq: 9 May 2015 16:19

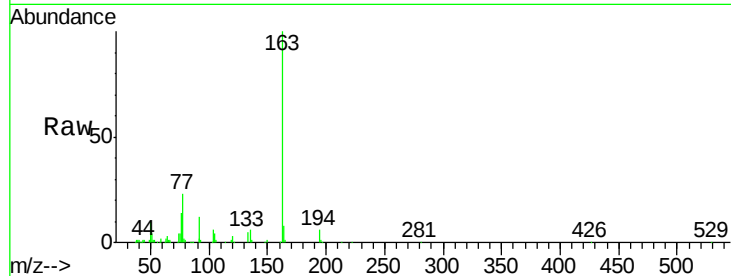
Instrument :

BNA\_G

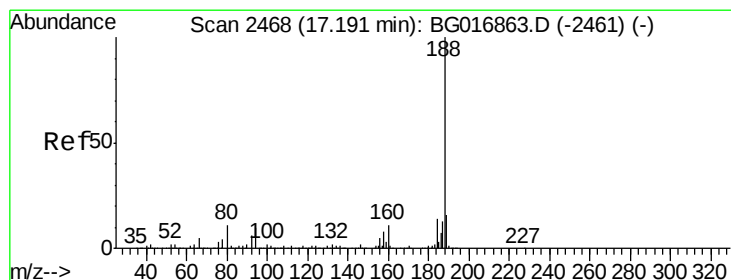
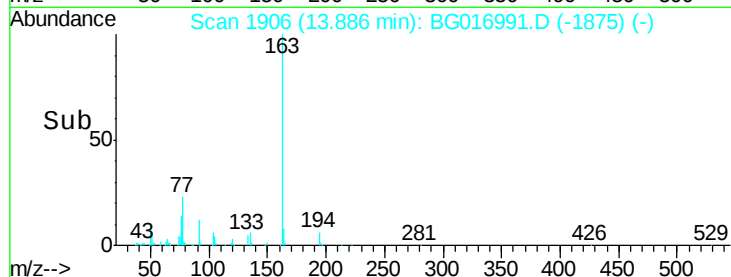
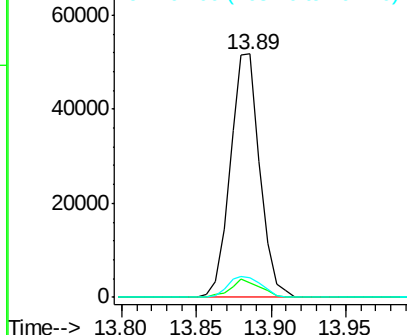
ClientSampleId :

B1-5-7

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 71517 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 5.8   | 5.2   | 7.8   |
| 164      | 8.3   | 8.4   | 12.6# |



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

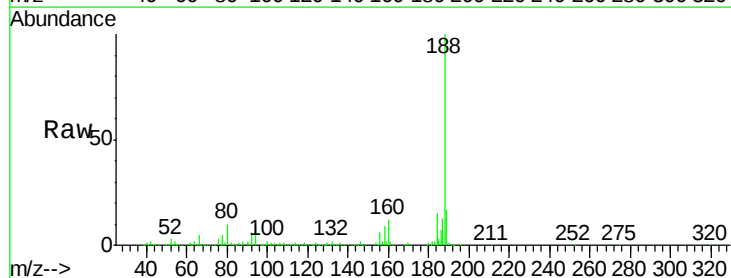
RT: 17.17 min Scan# 2465

Delta R.T. -0.02 min

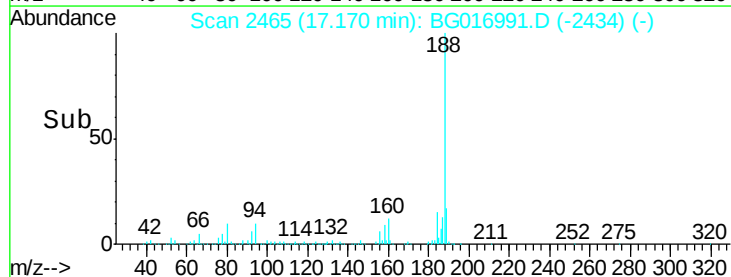
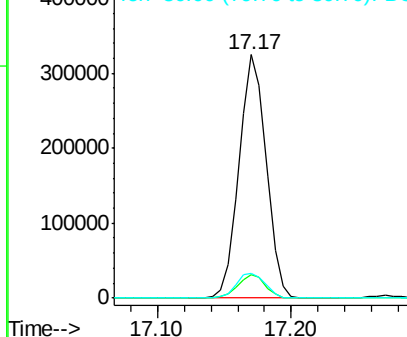
Lab File: BG016991.D

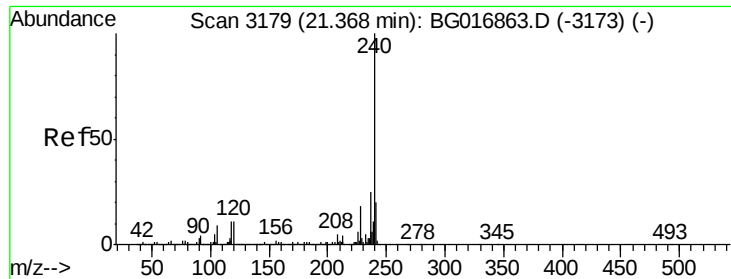
Acq: 9 May 2015 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 457001 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.8   | 8.2   | 12.4   |
| 80       | 10.3  | 8.8   | 13.2   |



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: 21.35 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BG016991.D

Acq: 9 May 2015 16:19

Instrument :

BNA\_G

ClientSampleId :

B1-5-7

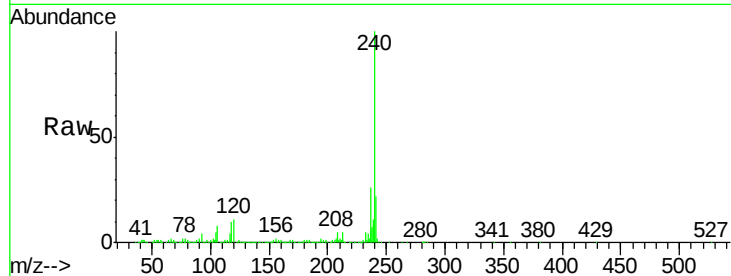
Tgt Ion:240 Resp: 442335

Ion Ratio Lower Upper

240 100

120 11.3 9.1 13.7

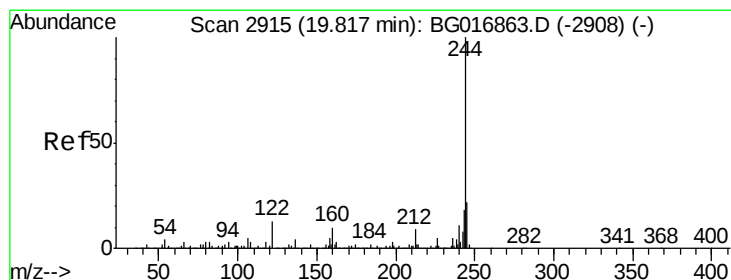
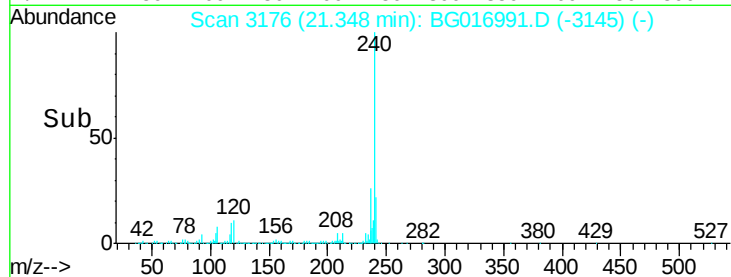
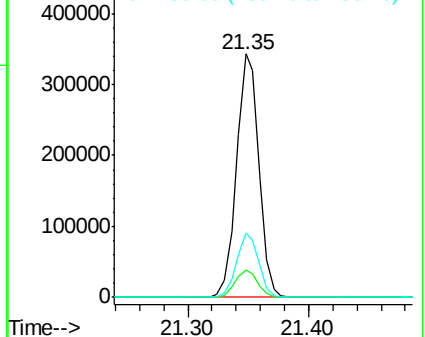
236 26.5 20.2 30.4



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: 77.18 ng

RT: 19.80 min Scan# 2913

Delta R.T. -0.01 min

Lab File: BG016991.D

Acq: 9 May 2015 16:19

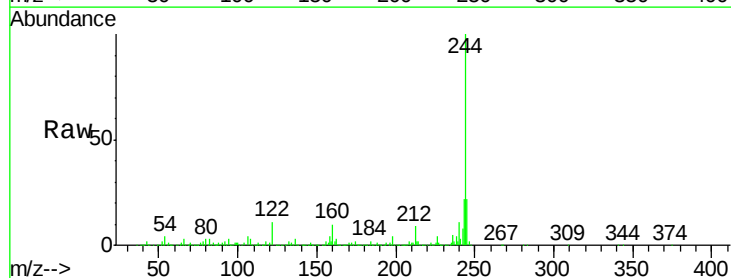
Tgt Ion:244 Resp: 1456302

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

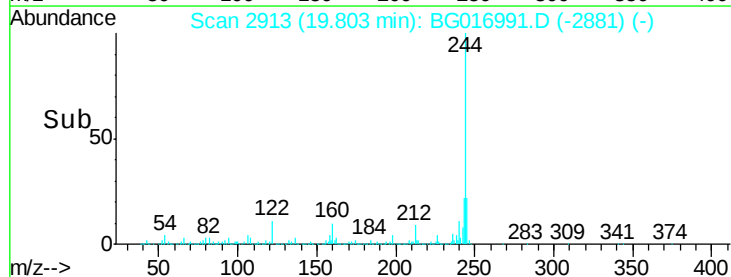
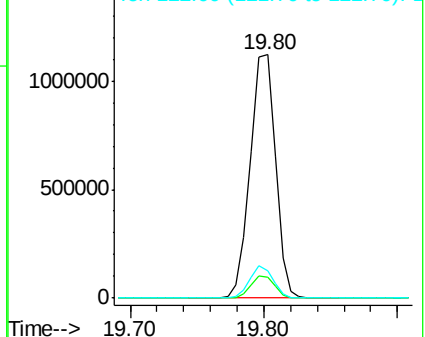
122 11.4 10.4 15.6

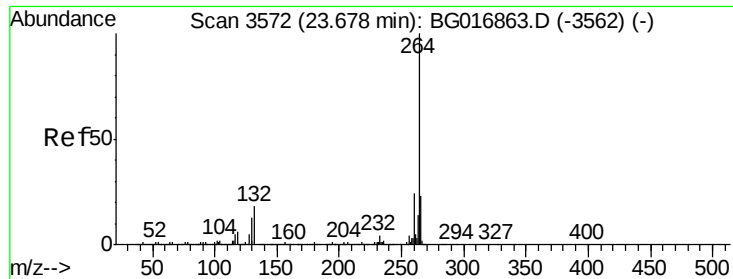


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.65 min Scan# 3568  
Delta R.T. -0.03 min  
Lab File: BG016991.D  
Acq: 9 May 2015 16:19

Instrument :  
BNA\_G  
ClientSampleId :  
B1-5-7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.5  | 29.3  |
| 265     | 20.0  | 18.5  | 27.7  |

