

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050815\  
 Data File : BG017041.D  
 Acq On : 11 May 2015 1:55  
 Operator : TP/IZ  
 Sample : G2109-07  
 Misc :  
 ALS Vial : 80 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-32

Quant Time: May 11 05:56:11 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 11 05:17:53 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 63997    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.58 | 136  | 303820   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.43 | 164  | 205130   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.17 | 188  | 434820   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.35 | 240  | 417246   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.65 | 264  | 407049   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 187036   | 50.89  | ng    | 0.00     |
| 7) Phenol-d6                | 6.98  | 99   | 176412   | 33.60  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 524486   | 84.33  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.92 | 330  | 272062   | 132.11 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.05 | 172  | 1127376  | 82.93  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.80 | 244  | 1520925  | 85.45  | ng    | 0.00     |

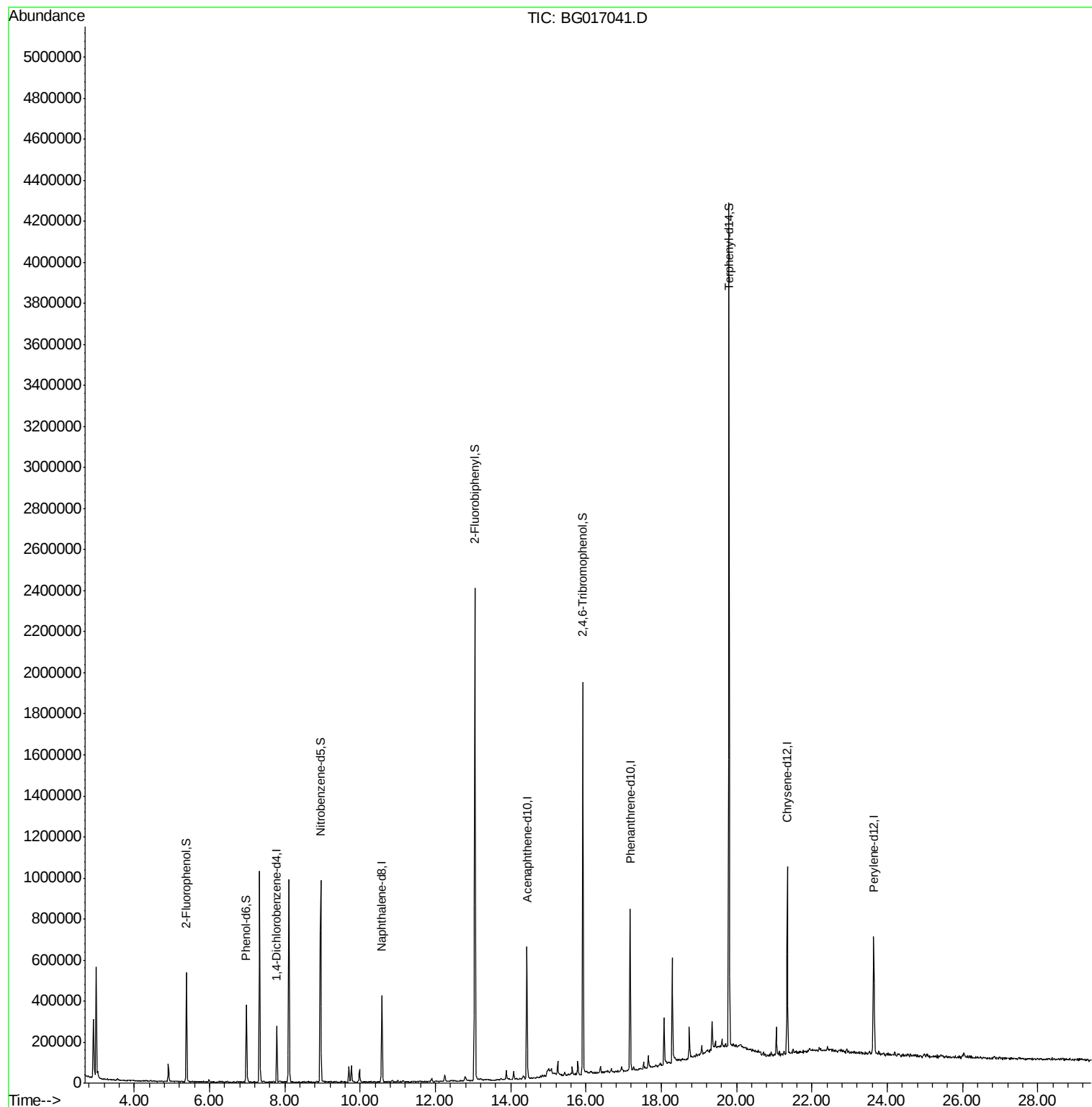
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

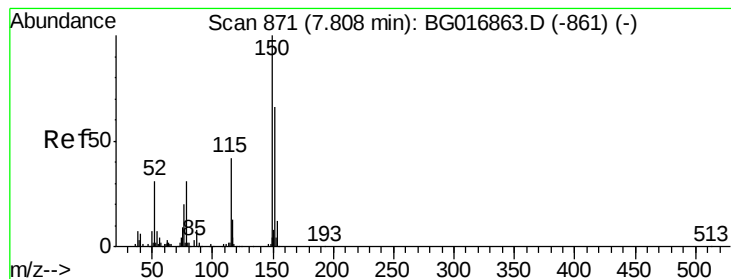
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 11 05:17:53 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 868

Delta R.T. -0.00 min

Lab File: BG017041.D

Acq: 11 May 2015 1:55

Instrument :

BNA\_G

ClientSampleId :

W-32

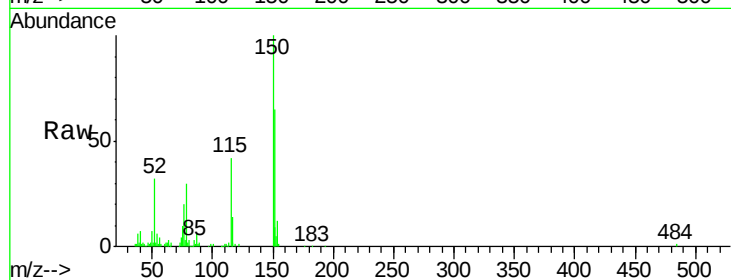
Tgt Ion:152 Resp: 63997

Ion Ratio Lower Upper

152 100

150 154.6 121.0 181.4

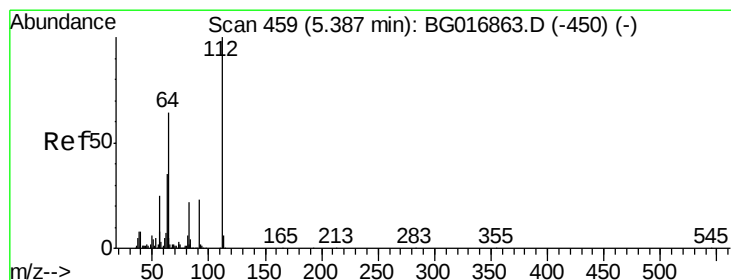
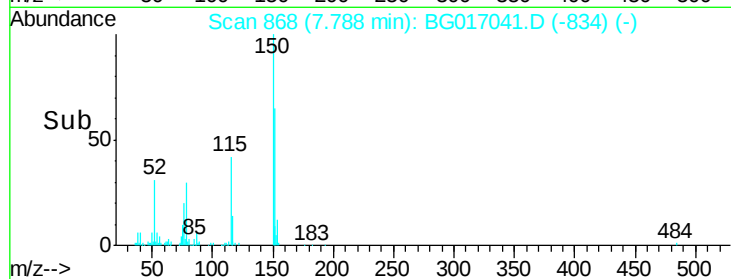
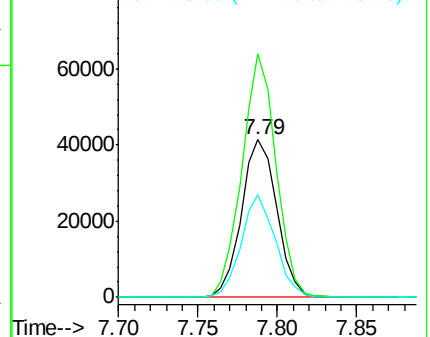
115 65.0 50.5 75.7



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: 50.89 ng

RT: 5.38 min Scan# 459

Delta R.T. 0.00 min

Lab File: BG017041.D

Acq: 11 May 2015 1:55

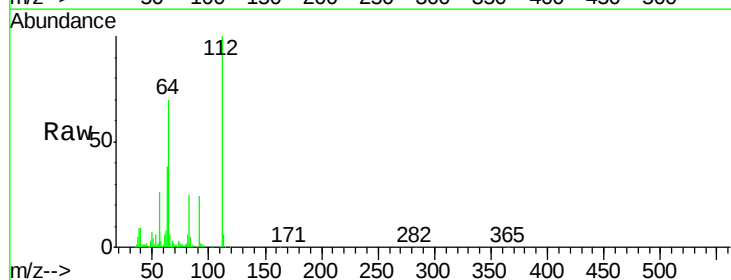
Tgt Ion:112 Resp: 187036

Ion Ratio Lower Upper

112 100

64 69.5 51.4 77.2

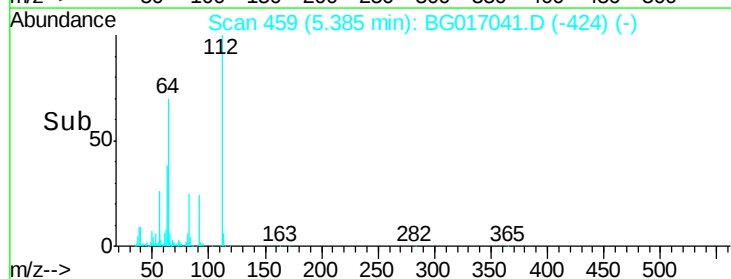
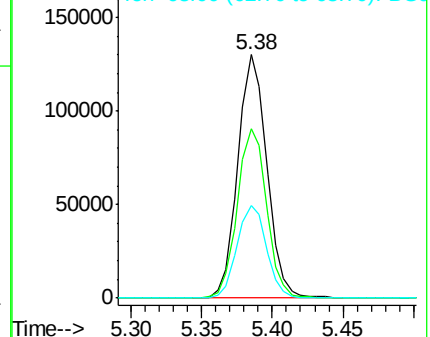
63 38.0 28.1 42.1

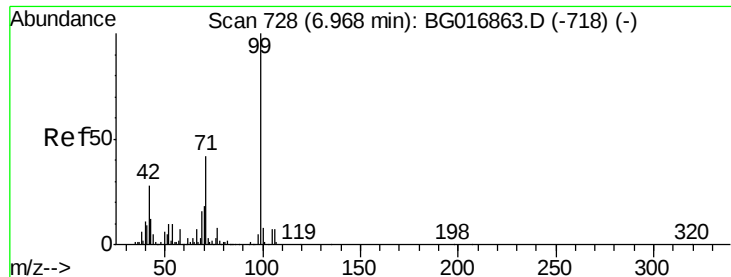


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 33.60 ng

RT: 6.98 min Scan# 730

Delta R.T. 0.00 min

Lab File: BG017041.D

Acq: 11 May 2015 1:55

Instrument :

BNA\_G

ClientSampleId :

W-32

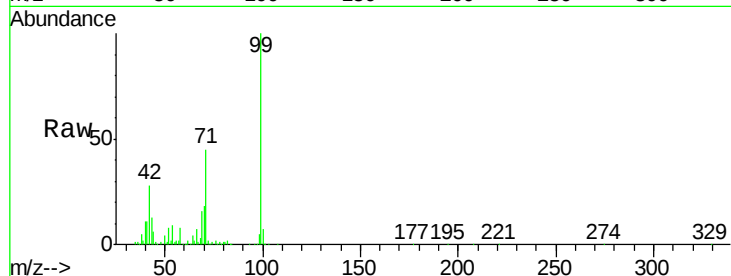
Tgt Ion: 99 Resp: 176412

Ion Ratio Lower Upper

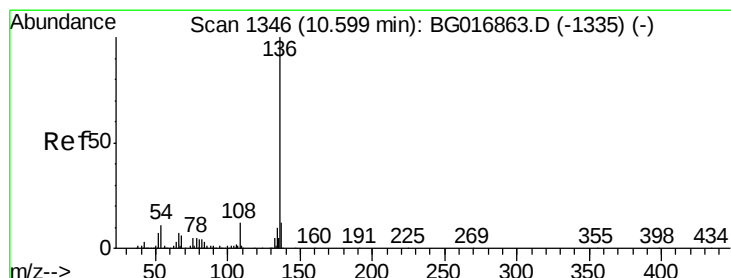
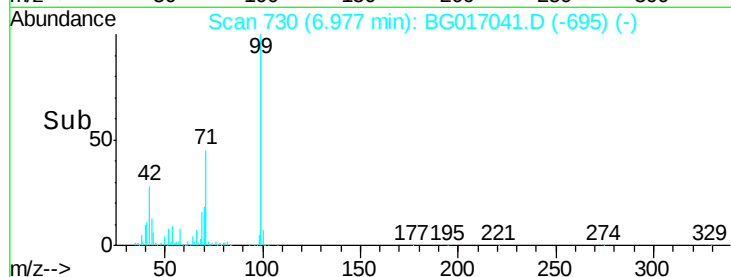
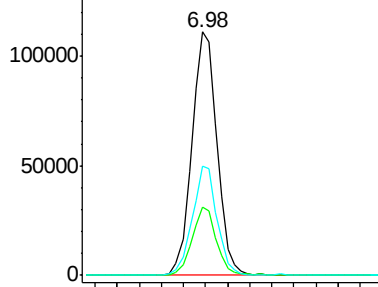
99 100

42 28.0 22.1 33.1

71 44.6 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# 1343

Delta R.T. -0.00 min

Lab File: BG017041.D

Acq: 11 May 2015 1:55

Tgt Ion: 136 Resp: 303820

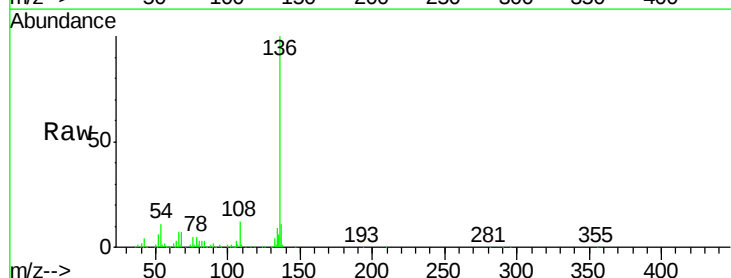
Ion Ratio Lower Upper

136 100

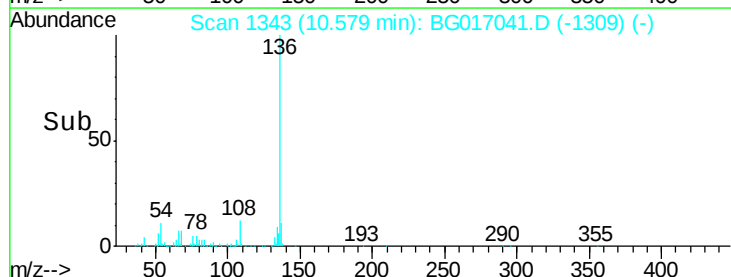
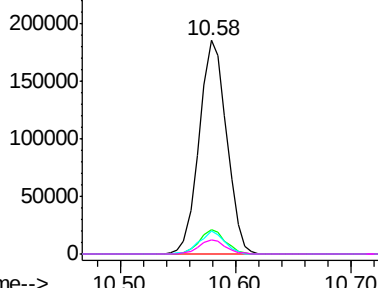
137 11.4 9.8 14.8

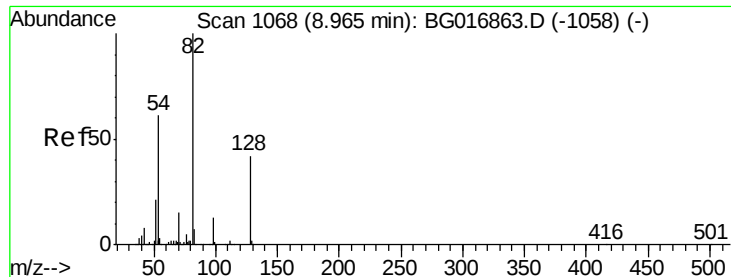
54 11.0 8.7 13.1

68 6.9 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

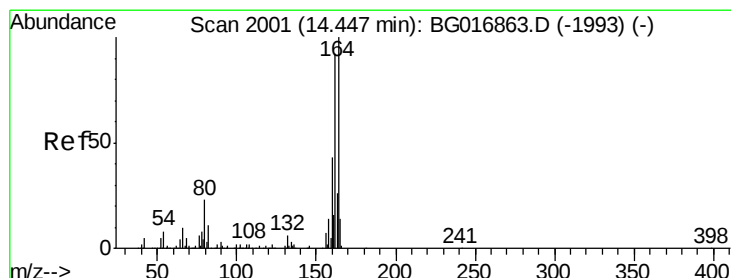
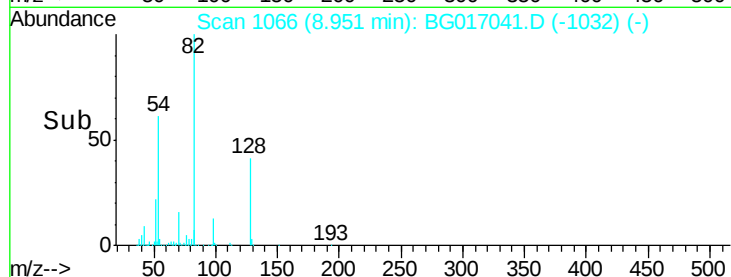
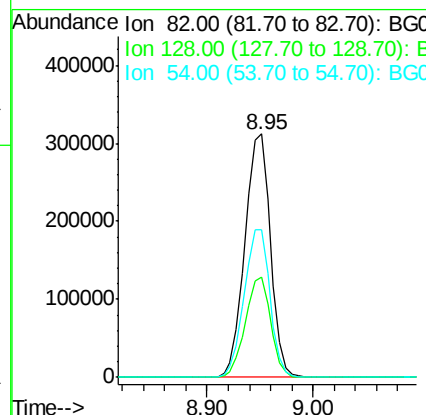
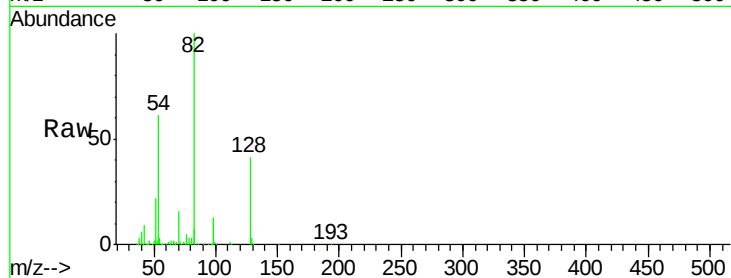




#23  
 Nitrobenzene-d5  
 Concen: 84.33 ng  
 RT: 8.95 min Scan# 1066  
 Delta R.T. -0.00 min  
 Lab File: BG017041.D  
 Acq: 11 May 2015 1:55

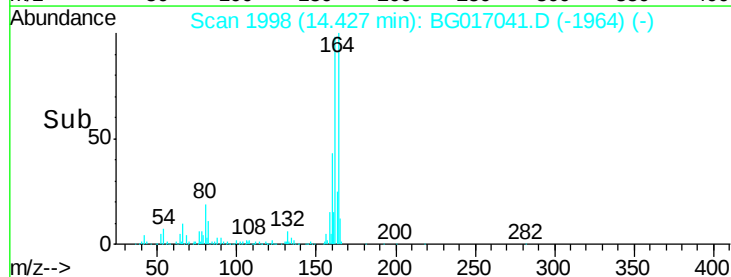
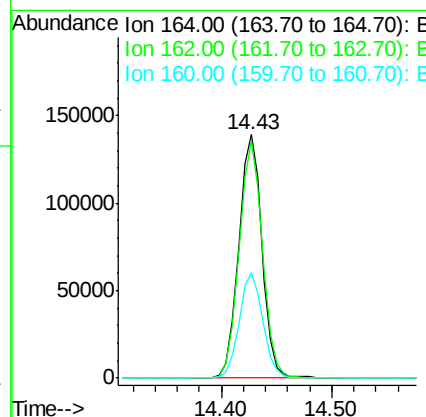
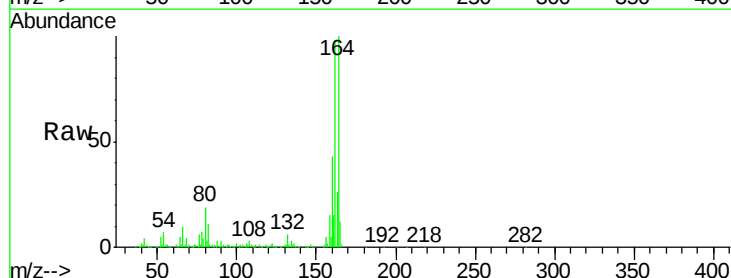
Instrument :  
 BNA\_G  
 ClientSampleId :  
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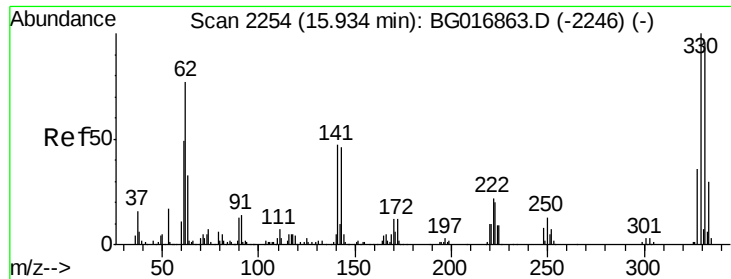
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.1  | 33.2  | 49.8  |
| 54      | 60.5  | 48.6  | 72.8  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.43 min Scan# 1998  
 Delta R.T. -0.00 min  
 Lab File: BG017041.D  
 Acq: 11 May 2015 1:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.6  | 74.0  | 111.0 |
| 160     | 43.3  | 34.7  | 52.1  |

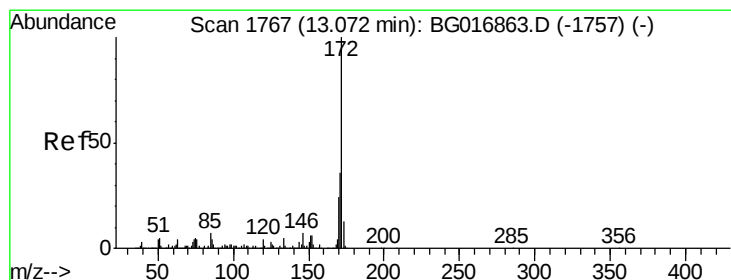
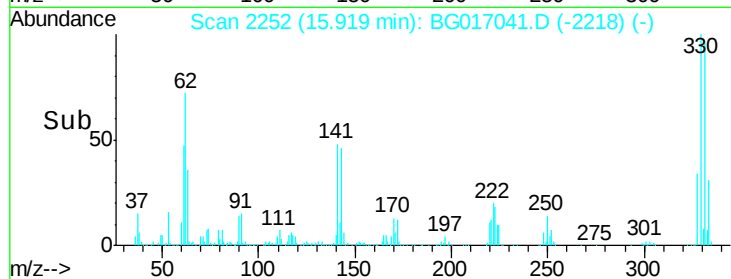
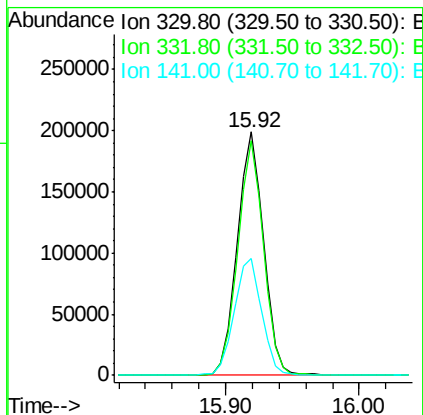
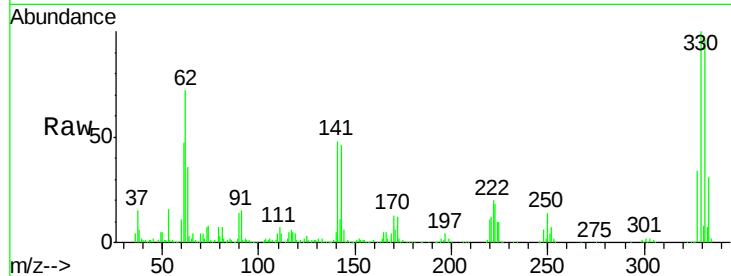




#41  
 2,4,6-Tribromophenol  
 Concen: 132.11 ng  
 RT: 15.92 min Scan# 2252  
 Delta R.T. -0.00 min  
 Lab File: BG017041.D  
 Acq: 11 May 2015 1:55

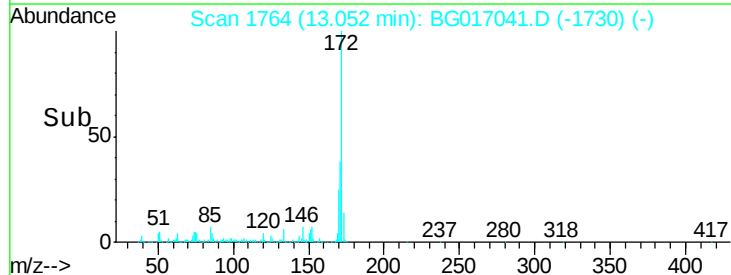
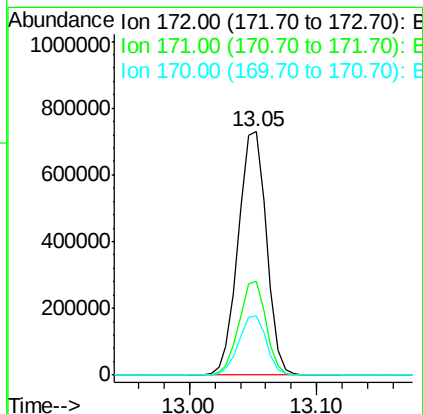
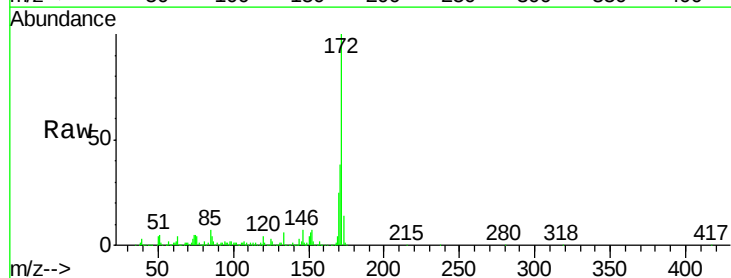
Instrument :  
 BNA\_G  
 ClientSampled :  
 W-32

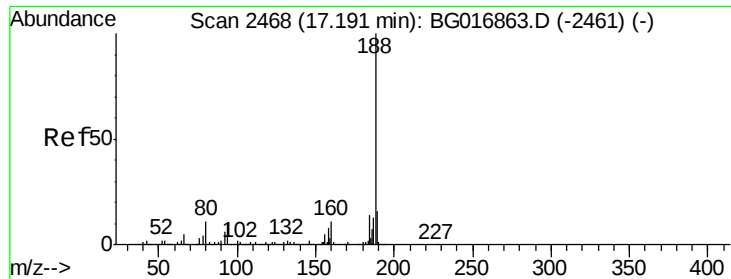
Tgt Ion: 330 Resp: 272062  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 0.0 0.0#  
 141 50.3 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 82.93 ng  
 RT: 13.05 min Scan# 1764  
 Delta R.T. -0.00 min  
 Lab File: BG017041.D  
 Acq: 11 May 2015 1:55

Tgt Ion: 172 Resp: 1127376  
 Ion Ratio Lower Upper  
 172 100  
 171 38.3 29.0 43.4  
 170 24.5 19.0 28.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.17 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BG017041.D

Acq: 11 May 2015 1:55

Instrument :

BNA\_G

ClientSampleId :

W-32

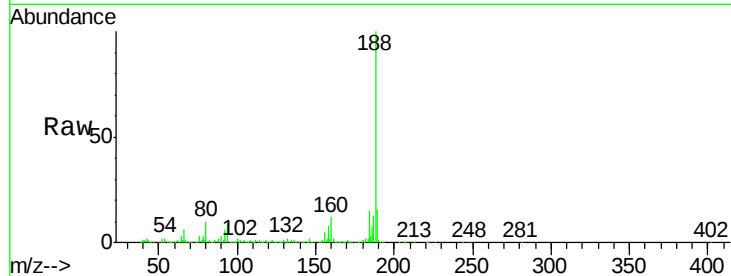
Tgt Ion:188 Resp: 434820

Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.4

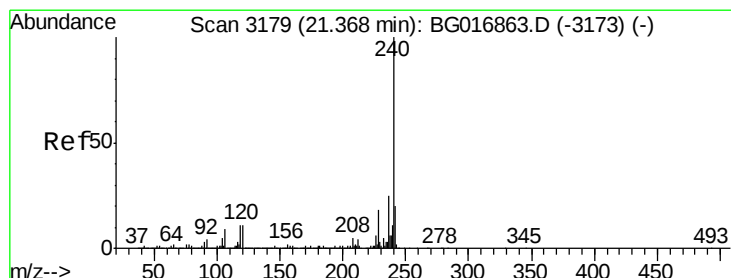
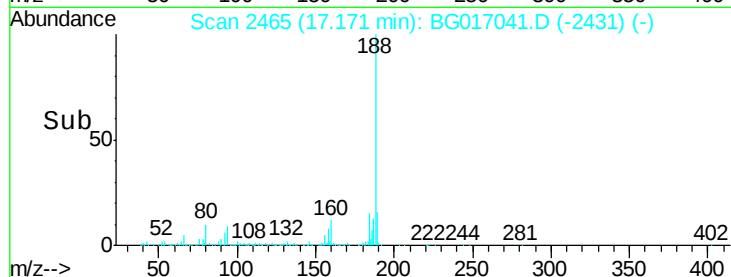
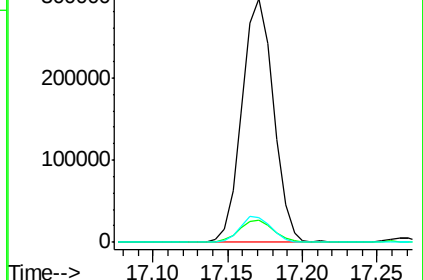
80 10.3 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.35 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BG017041.D

Acq: 11 May 2015 1:55

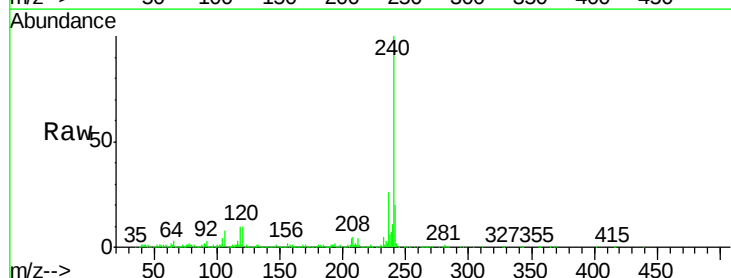
Tgt Ion:240 Resp: 417246

Ion Ratio Lower Upper

240 100

120 10.4 9.1 13.7

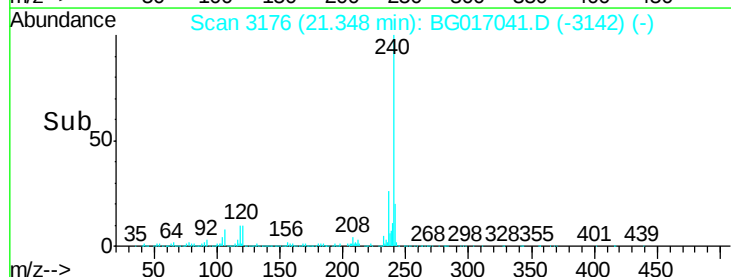
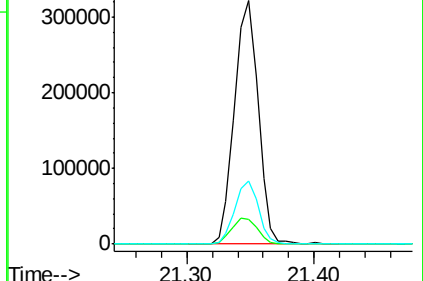
236 26.1 20.2 30.4

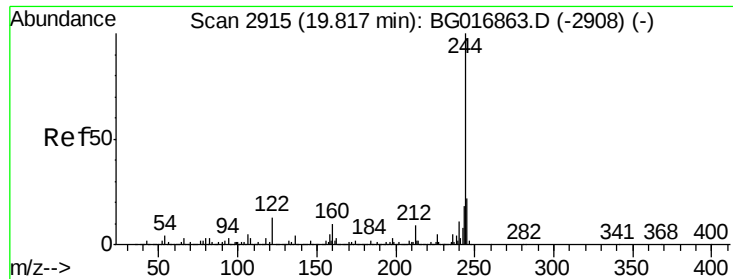


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 85.45 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.00 min

Lab File: BG017041.D

Acq: 11 May 2015 1:55

Instrument :

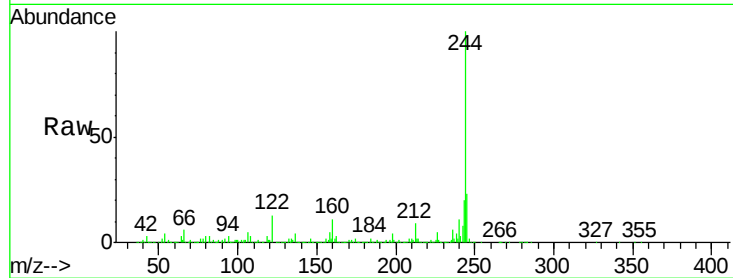
BNA\_G

ClientSampleId :

W-32

Tgt Ion:244 Resp: 1520925

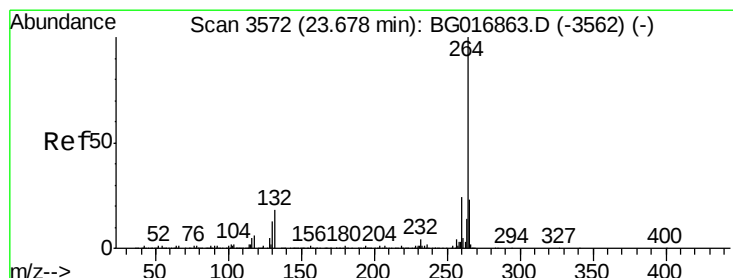
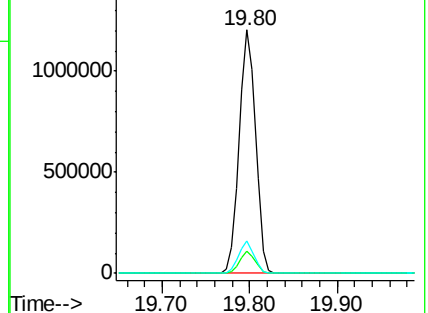
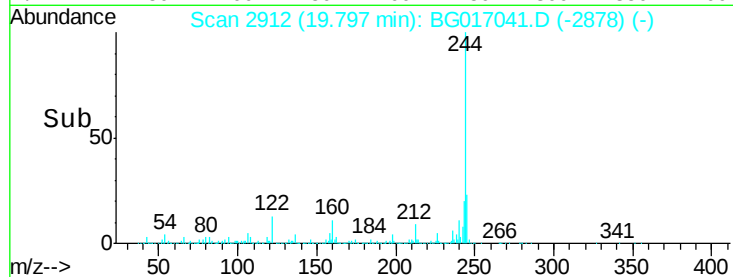
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.3   | 7.0   | 10.6  |
| 122 | 13.2  | 10.4  | 15.6  |



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# 3567

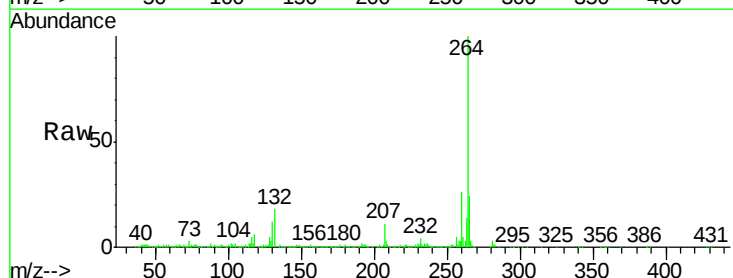
Delta R.T. -0.00 min

Lab File: BG017041.D

Acq: 11 May 2015 1:55

Tgt Ion:264 Resp: 407049

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 26.1  | 19.5  | 29.3  |
| 265 | 23.7  | 18.5  | 27.7  |



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

