

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051415\  
 Data File : BG017140.D  
 Acq On : 14 May 2015 14:56  
 Operator : TP/IZ  
 Sample : G2177-11  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PS-24(10-15)

Quant Time: May 15 04:18:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 13 16:12:13 2015  
 Response via : Initial Calibration

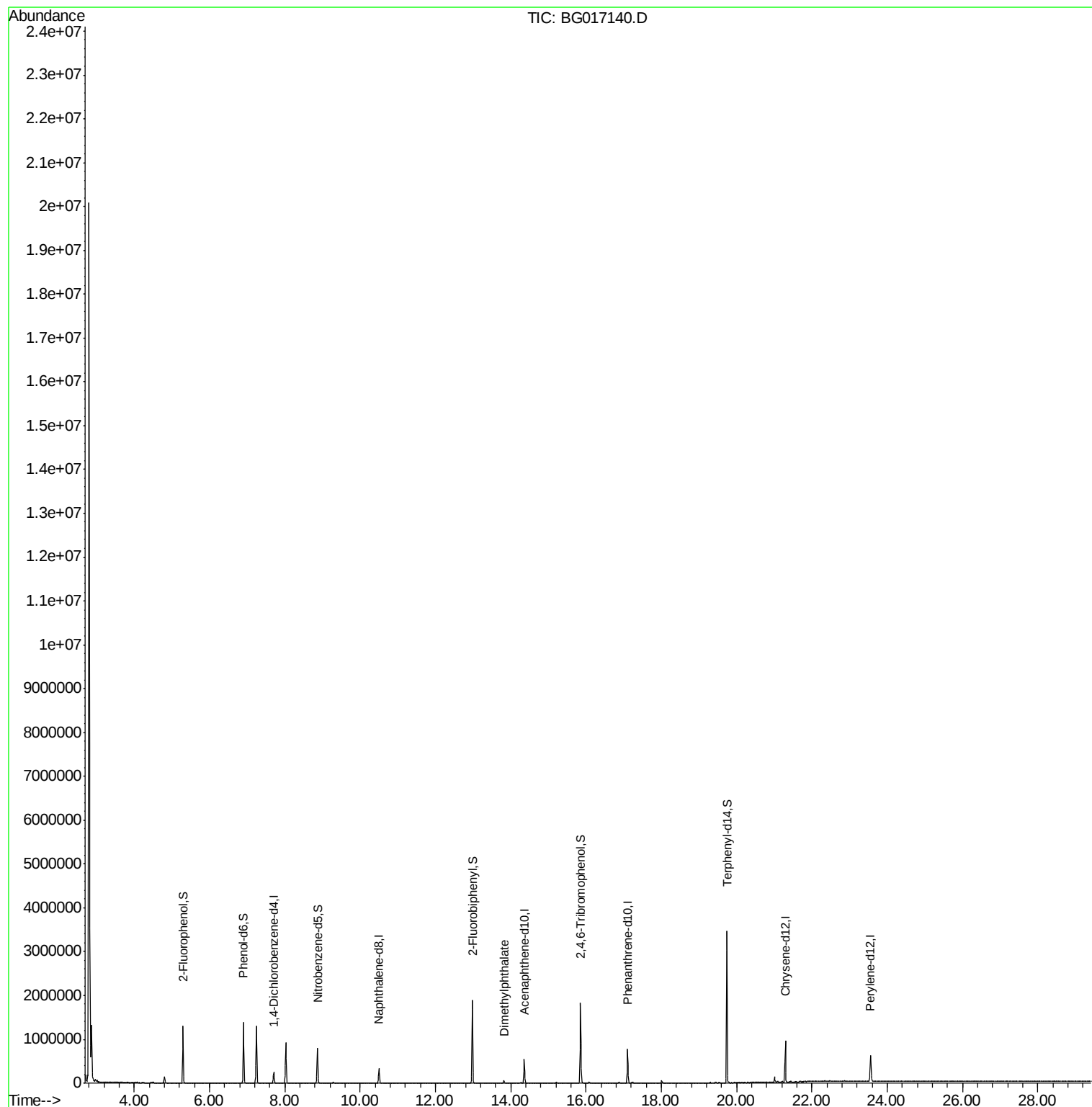
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.71  | 152  | 58168    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.50 | 136  | 248888   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.36 | 164  | 162697   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.11 | 188  | 389080   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 21.30 | 240  | 403031   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12            | 23.56 | 264  | 389846   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 446361   | 136.15    | ng    | 0.00     |
| 7) Phenol-d6                | 6.90  | 99   | 628712   | 136.65    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.87  | 82   | 420723   | 78.92     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.85 | 330  | 259174   | 131.78    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.98 | 172  | 824512   | 74.36     | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.74 | 244  | 1297844  | 67.11     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 9) Benzaldehyde             | 6.84  | 77   | 100      | Below Cal | #     | 6        |
| 49) Dimethylphthalate       | 13.82 | 163  | 34043    | 2.68 ng   | #     | 92       |

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

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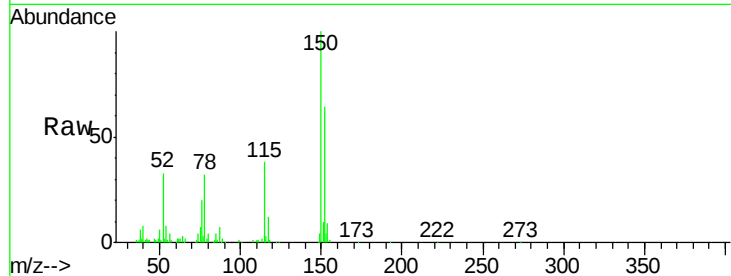


#1

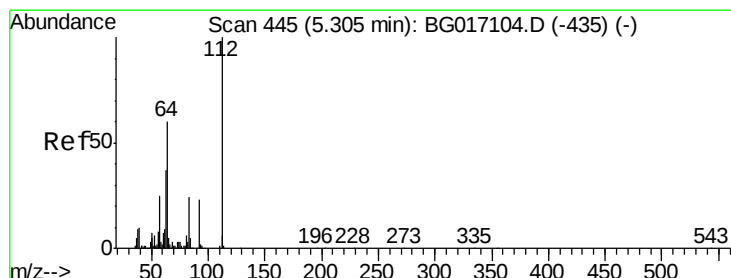
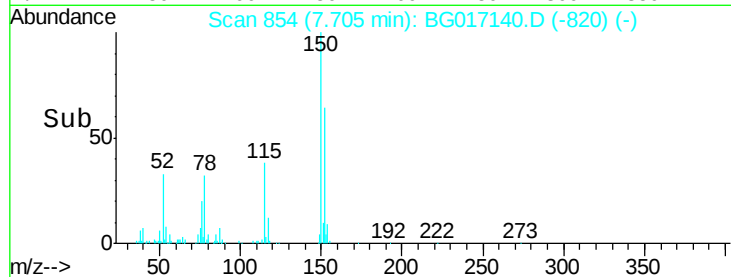
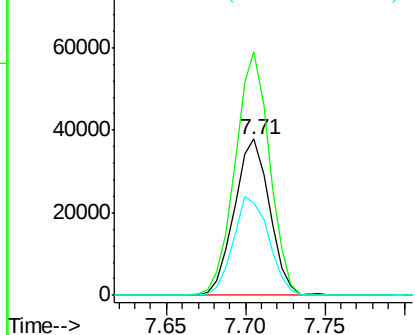
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.71 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: BG017140.D  
Acq: 14 May 2015 14:56

Instrument :  
BNA\_G  
ClientSampleId :  
PS-24(10-15)

Tgt Ion:152 Resp: 58168  
Ion Ratio Lower Upper  
152 100  
150 156.1 120.8 181.2  
115 59.1 49.4 74.2



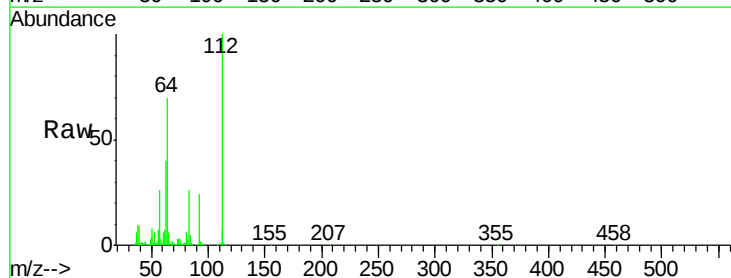
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



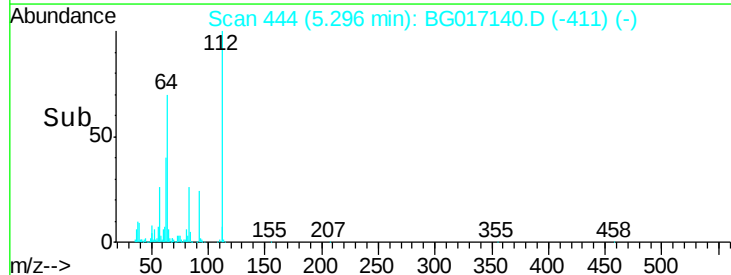
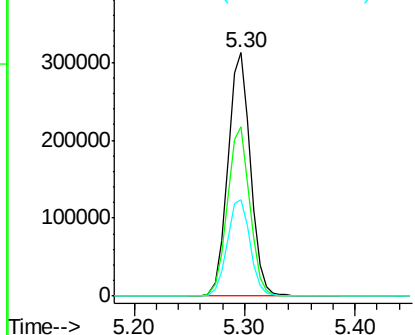
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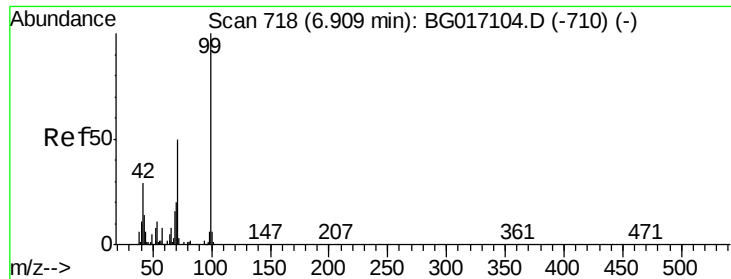
2-Fluorophenol  
Concen: 136.15 ng  
RT: 5.30 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: BG017140.D  
Acq: 14 May 2015 14:56

Tgt Ion:112 Resp: 446361  
Ion Ratio Lower Upper  
112 100  
64 69.7 48.1 72.1  
63 39.8 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: 136.65 ng

RT: 6.90 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG017140.D

Acq: 14 May 2015 14:56

Instrument :

BNA\_G

ClientSampleId :

PS-24(10-15)

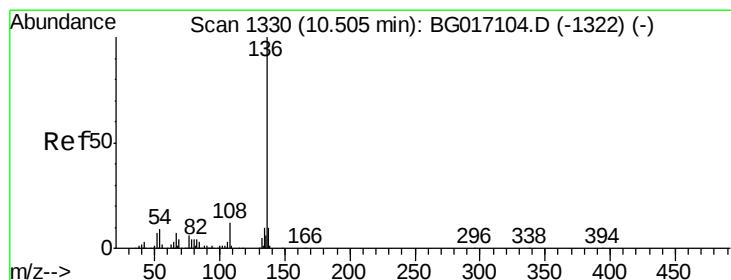
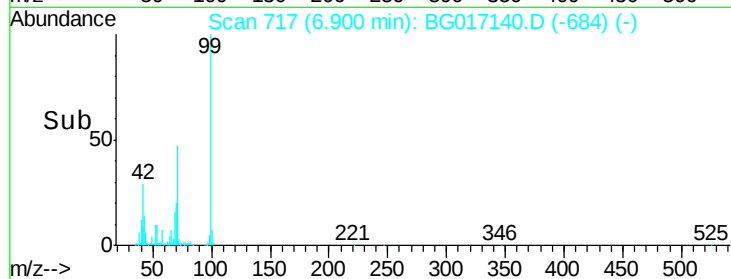
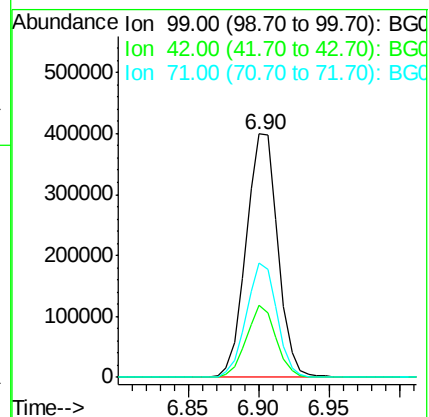
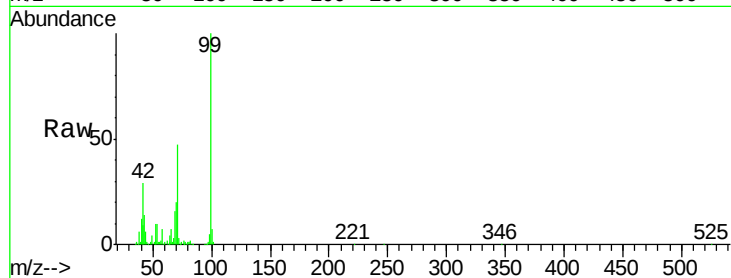
Tgt Ion: 99 Resp: 628712

Ion Ratio Lower Upper

99 100

42 29.4 23.5 35.3

71 47.0 39.8 59.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.50 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG017140.D

Acq: 14 May 2015 14:56

Tgt Ion: 136 Resp: 248888

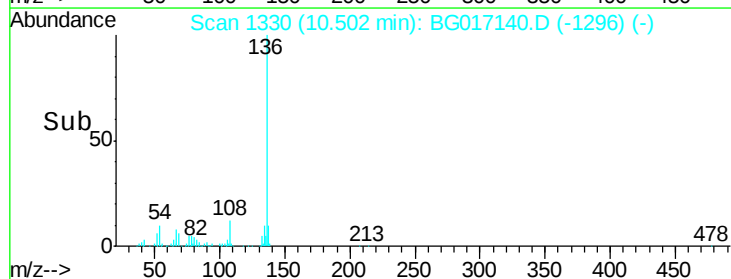
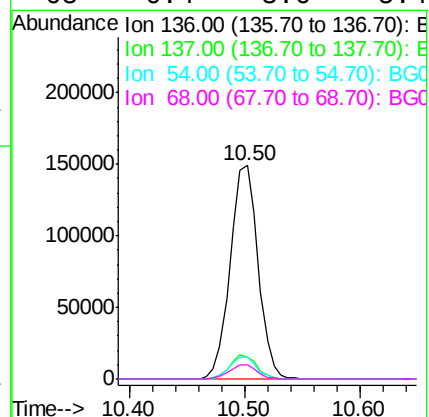
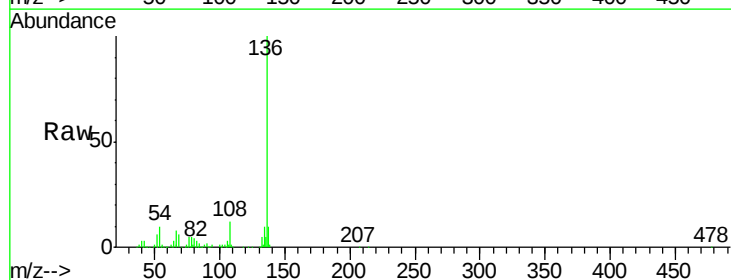
Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 10.4 7.4 11.2

68 6.4 3.6 5.4#

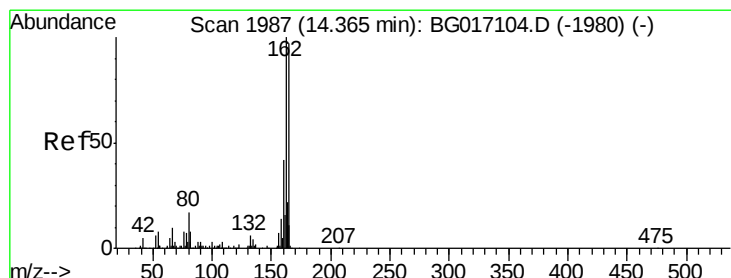
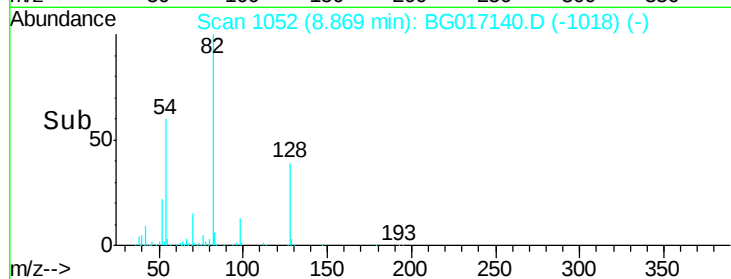
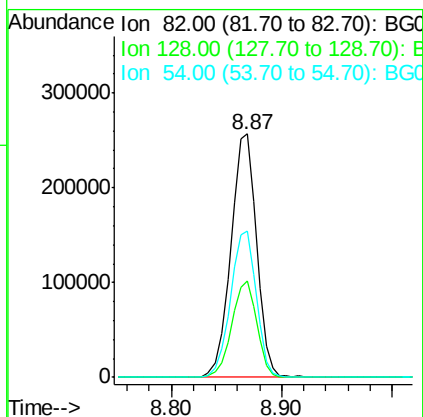
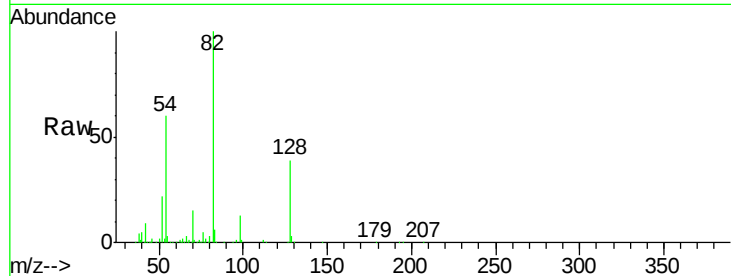




#23  
Nitrobenzene-d5  
Concen: 78.92 ng  
RT: 8.87 min Scan# 1052  
Delta R.T. -0.00 min  
Lab File: BG017140.D  
Acq: 14 May 2015 14:56

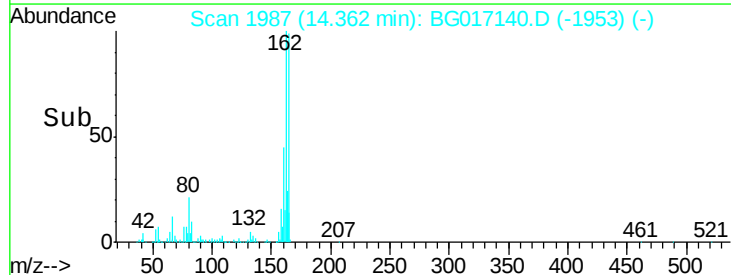
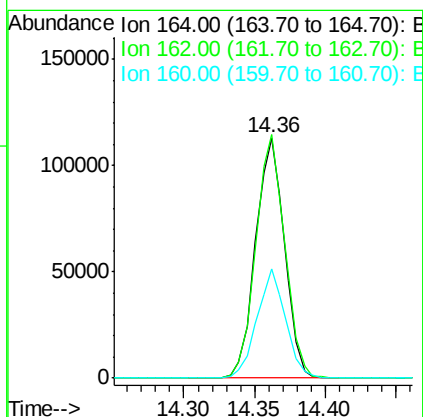
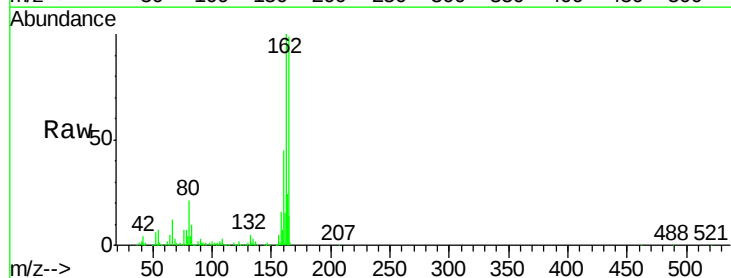
Instrument :  
BNA\_G  
ClientSampleId :  
PS-24(10-15)

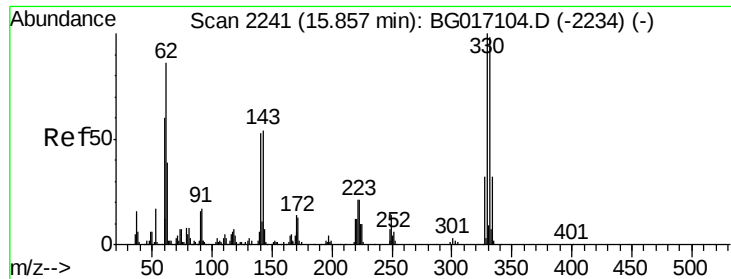
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.4  | 32.6  | 49.0  |
| 54      | 60.3  | 49.6  | 74.4  |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.36 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: BG017140.D  
Acq: 14 May 2015 14:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.3 | 82.1  | 123.1 |
| 160     | 45.2  | 34.8  | 52.2  |

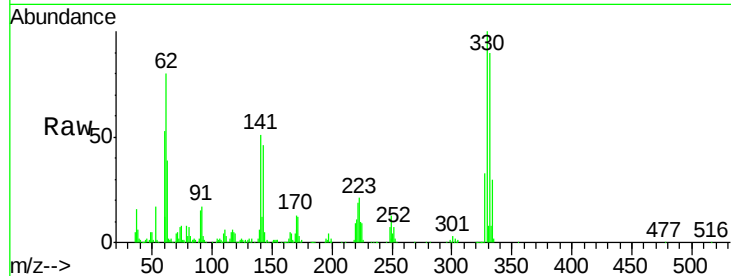




#41  
 2,4,6-Tribromophenol  
 Concen: 131.78 ng  
 RT: 15.85 min Scan# 2241  
 Delta R.T. -0.00 min  
 Lab File: BG017140.D  
 Acq: 14 May 2015 14:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PS-24(10-15)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.5  | 76.9  | 115.3 |
| 141     | 50.3  | 42.2  | 63.2  |

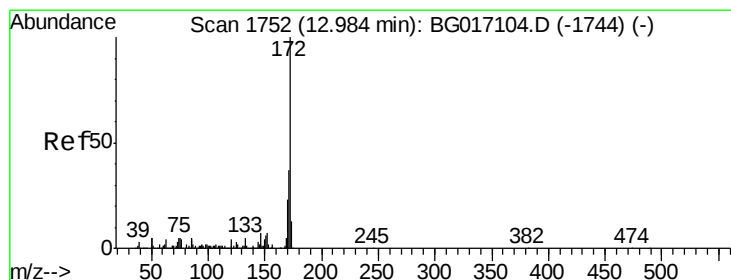
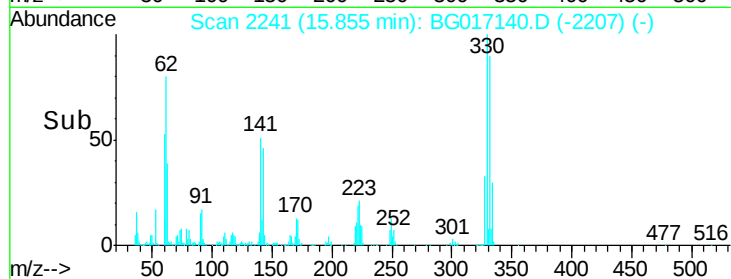
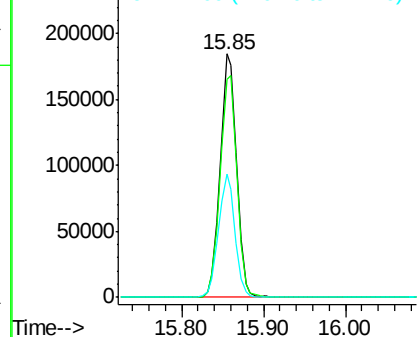


Abundance

Ion 329.80 (329.50 to 330.50): E

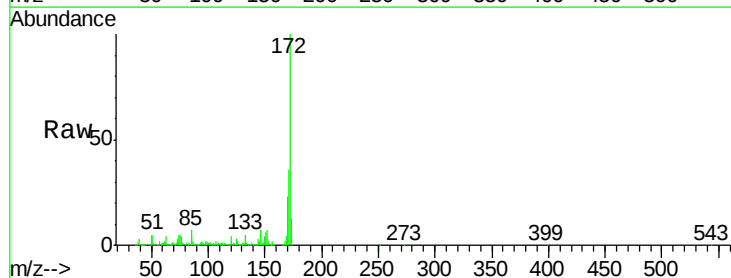
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 74.36 ng  
 RT: 12.98 min Scan# 1752  
 Delta R.T. -0.00 min  
 Lab File: BG017140.D  
 Acq: 14 May 2015 14:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 23.4  | 18.4  | 27.6  |

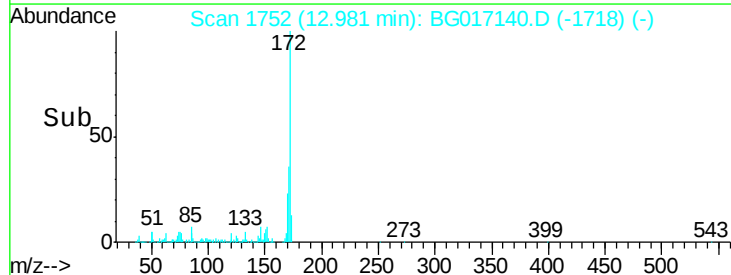
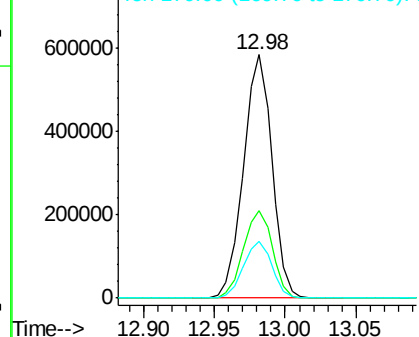


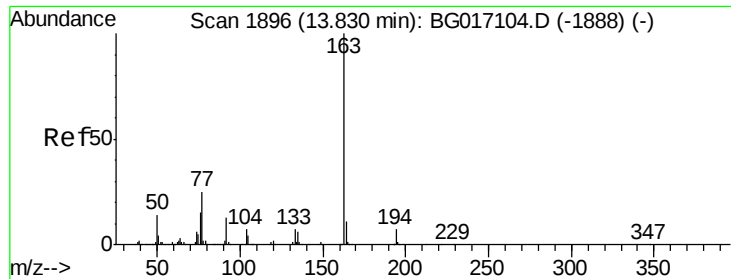
Abundance

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: 2.68 ng

RT: 13.82 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BG017140.D

Acq: 14 May 2015 14:56

Instrument :

BNA\_G

ClientSampleId :

PS-24(10-15)

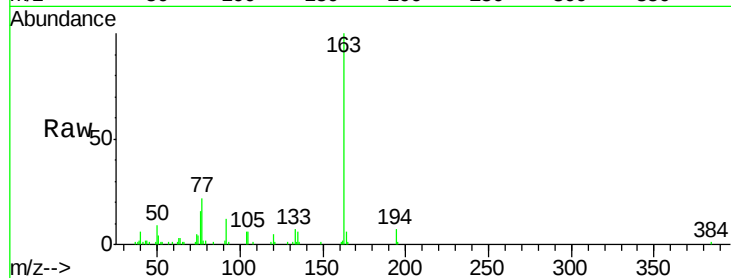
Tgt Ion:163 Resp: 34043

Ion Ratio Lower Upper

163 100

194 6.7 5.6 8.4

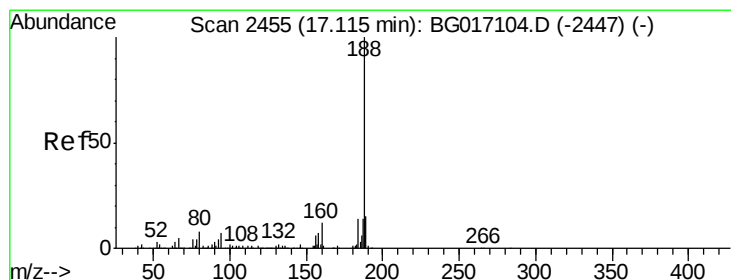
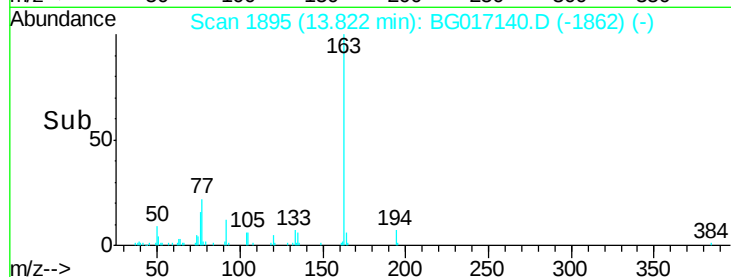
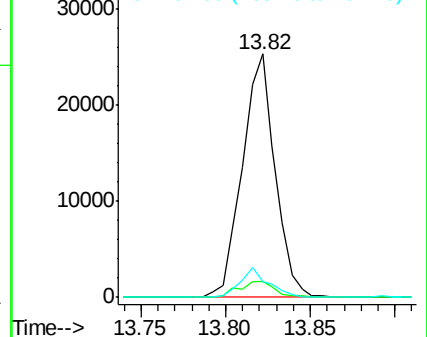
164 6.2 8.6 13.0#



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: BG017140.D

Acq: 14 May 2015 14:56

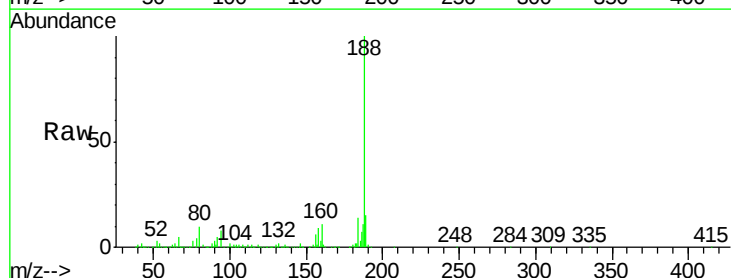
Tgt Ion:188 Resp: 389080

Ion Ratio Lower Upper

188 100

94 8.3 5.8 8.6

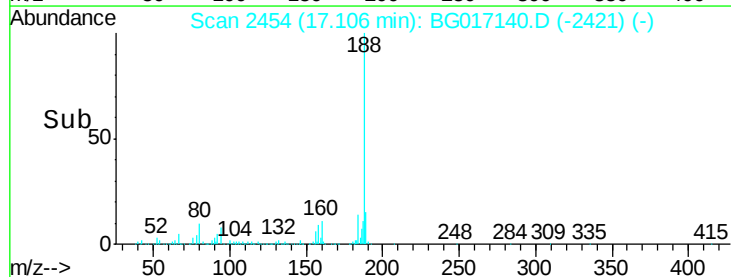
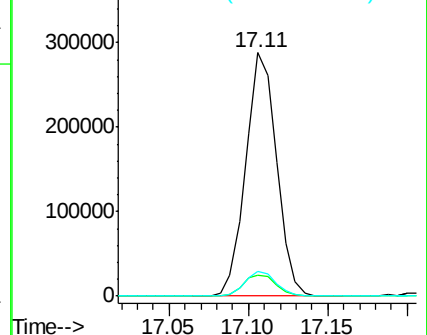
80 10.2 6.5 9.7#

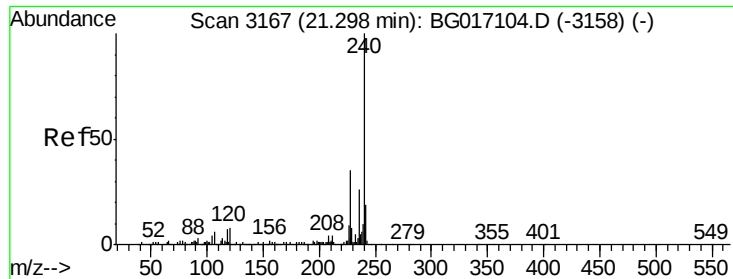


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.30 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG017140.D

Acq: 14 May 2015 14:56

Instrument :

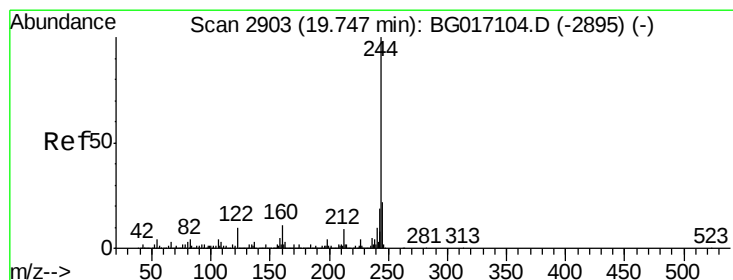
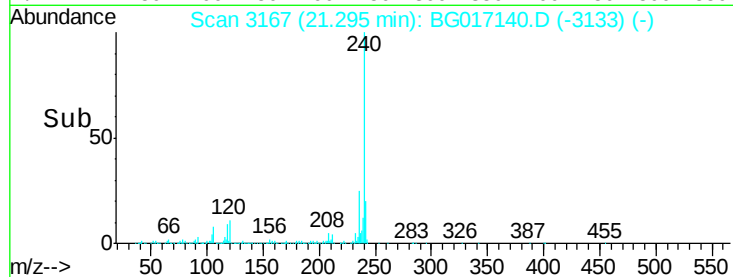
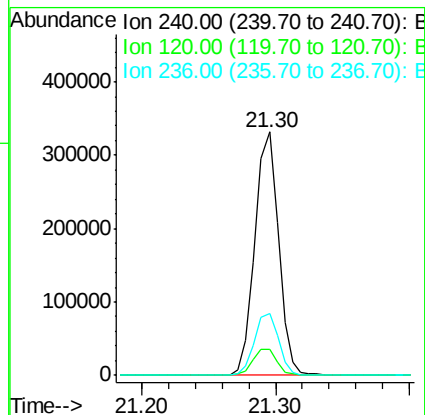
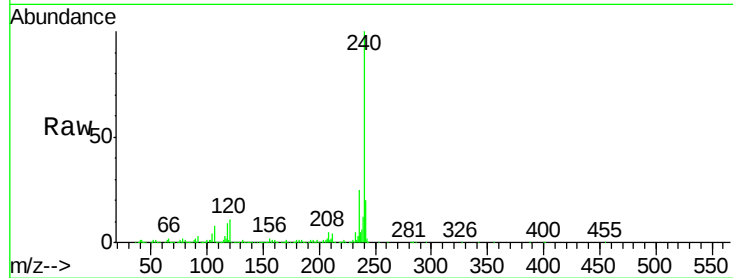
BNA\_G

ClientSampleId :

PS-24(10-15)

Tgt Ion:240 Resp: 403031

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 10.6  | 6.0   | 9.0#  |
| 236 | 25.4  | 20.5  | 30.7  |



#78

Terphenyl-d14

Concen: 67.11 ng

RT: 19.74 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG017140.D

Acq: 14 May 2015 14:56

Tgt Ion:244 Resp: 1297844

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.3   | 7.0   | 10.4  |
| 122 | 11.7  | 8.4   | 12.6  |

