

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061115\  
 Data File : BG017631.D  
 Acq On : 12 Jun 2015 6:23  
 Operator : TP/IZ  
 Sample : G2608-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

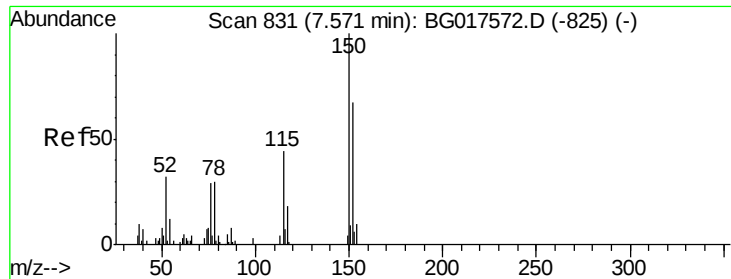
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 12 11:13:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 08 18:39:50 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.53  | 152  | 25826    | 20.00  | ng    | -0.08     |
| 21) Naphthalene-d8             | 10.33 | 136  | 104419   | 20.00  | ng    | -0.08     |
| 38) Acenaphthene-d10           | 14.20 | 164  | 77290    | 20.00  | ng    | -0.08     |
| 63) Phenanthrene-d10           | 16.96 | 188  | 210416   | 20.00  | ng    | -0.08     |
| 75) Chrysene-d12               | 21.16 | 240  | 269337   | 20.00  | ng    | -0.08     |
| 86) Perylene-d12               | 23.36 | 264  | 239868   | 20.00  | ng    | -0.12     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.12  | 112  | 173860   | 118.60 | ng    | -0.08     |
| 7) Phenol-d6                   | 6.74  | 99   | 205303   | 102.80 | ng    | -0.08     |
| 23) Nitrobenzene-d5            | 8.70  | 82   | 179329   | 85.73  | ng    | -0.08     |
| 41) 2,4,6-Tribromophenol       | 15.71 | 330  | 134245   | 125.05 | ng    | -0.08     |
| 44) 2-Fluorobiphenyl           | 12.82 | 172  | 422442   | 82.45  | ng    | -0.08     |
| 78) Terphenyl-d14              | 19.60 | 244  | 929025   | 71.29  | ng    | -0.08     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.67  | 77   | 9497     | 7.01   | ng    | Qvalue 92 |
| 28) bis(2-Chloroethoxy)methane | 9.74  | 93   | 5145     | 2.57   | ng    | # 1       |
| 32) Benzoic acid               | 9.70  | 122  | 11419    | 11.03  | ng    | 89        |
| 53) 2,4-Dinitrophenol          | 14.22 | 184  | 54       | 7.07   | ng    | # 1       |
| 69) Pentachlorophenol          | 16.64 | 266  | 206      | 5.62   | ng    | # 22      |

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



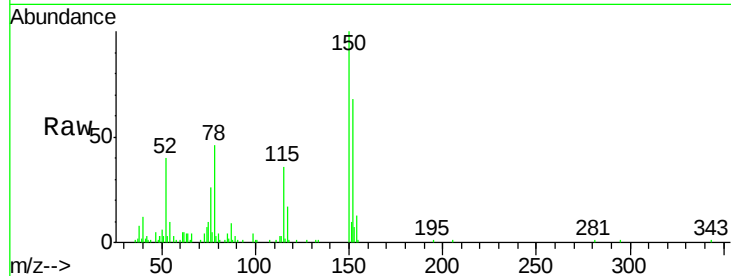


#1

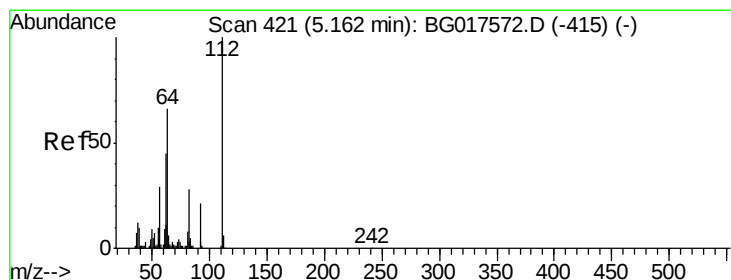
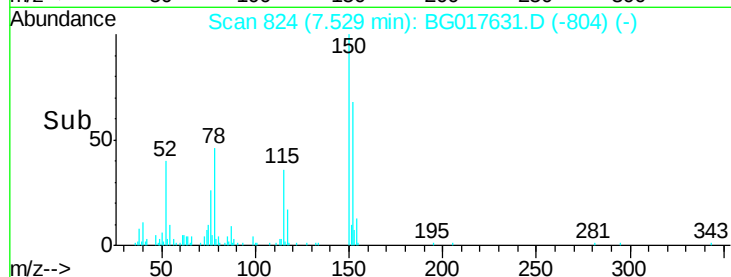
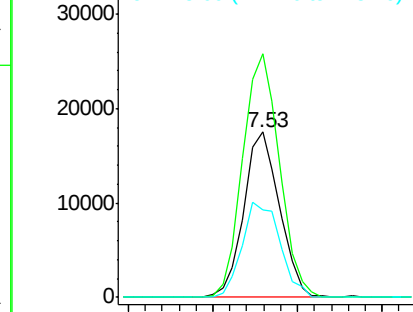
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.53 min Scan# 824  
Delta R.T. -0.08 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:152 Resp: 25826  
Ion Ratio Lower Upper  
152 100  
150 147.2 121.7 182.5  
115 53.2 48.6 73.0



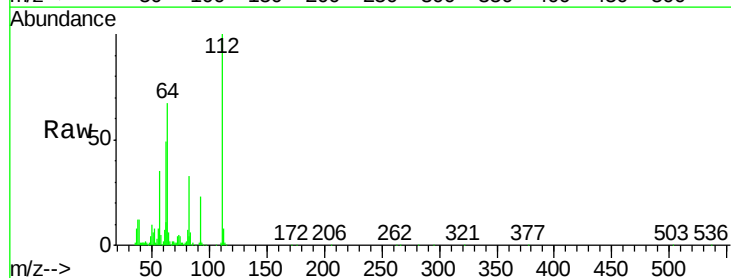
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



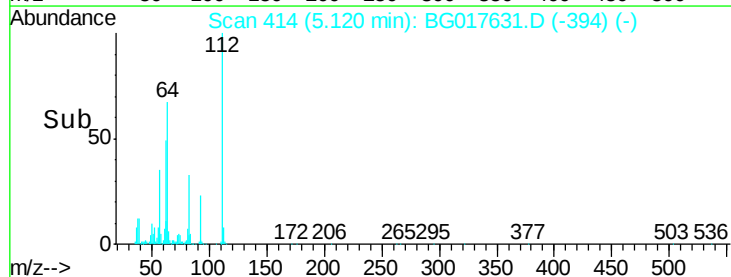
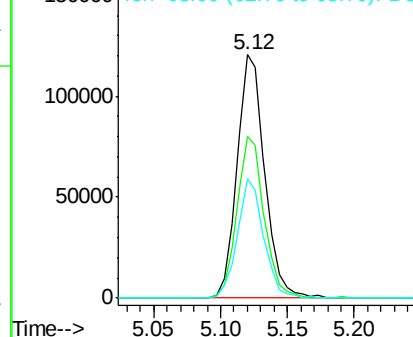
#5

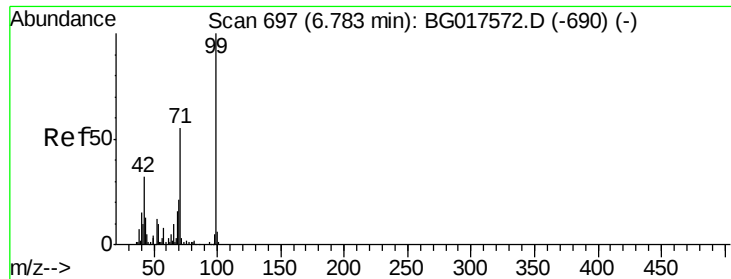
2-Fluorophenol  
Concen: 118.60 ng  
RT: 5.12 min Scan# 414  
Delta R.T. -0.08 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

Tgt Ion:112 Resp: 173860  
Ion Ratio Lower Upper  
112 100  
64 66.7 51.6 77.4  
63 48.9 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: 102.80 ng

RT: 6.74 min Scan# 690

Delta R.T. -0.08 min

Lab File: BG017631.D

Acq: 12 Jun 2015 6:23

Instrument :

BNA\_G

ClientSampleId :

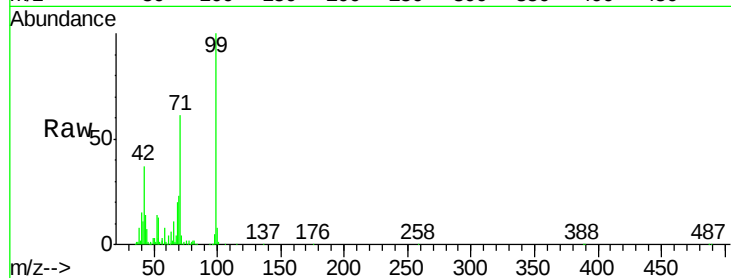
Tgt Ion: 99 Resp: 205303

Ion Ratio Lower Upper

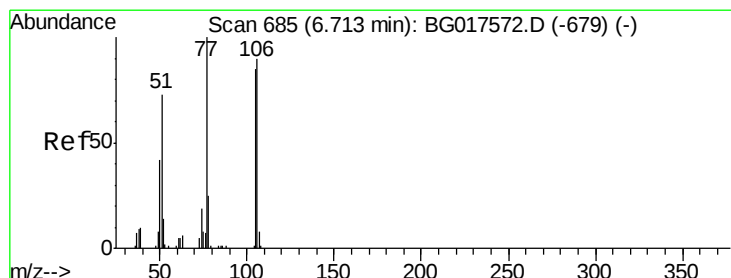
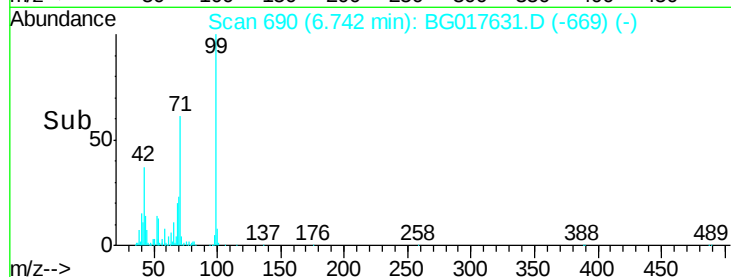
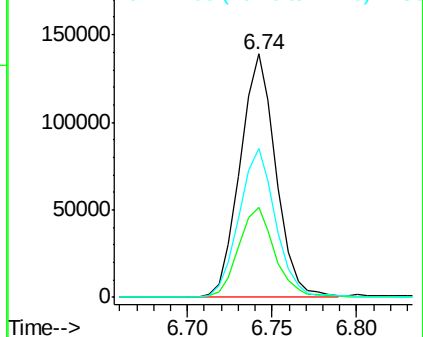
99 100

42 36.9 21.0 31.6#

71 61.1 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



#9

Benzaldehyde

Concen: 7.01 ng

RT: 6.67 min Scan# 678

Delta R.T. -0.08 min

Lab File: BG017631.D

Acq: 12 Jun 2015 6:23

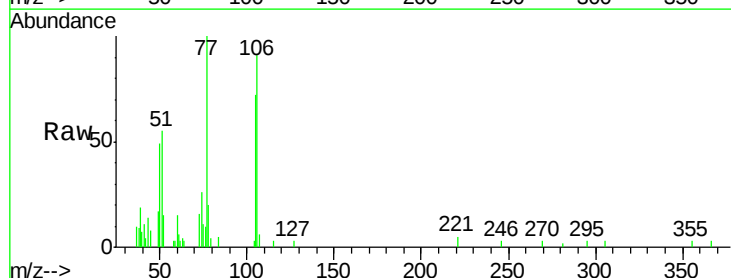
Tgt Ion: 77 Resp: 9497

Ion Ratio Lower Upper

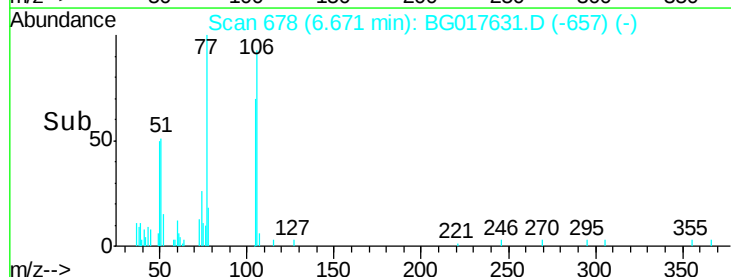
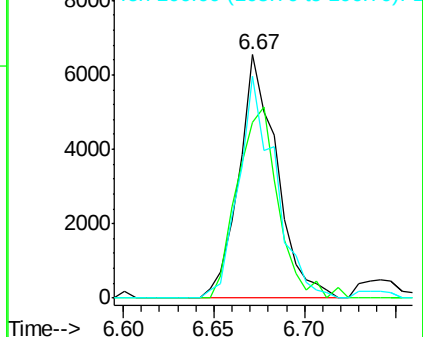
77 100

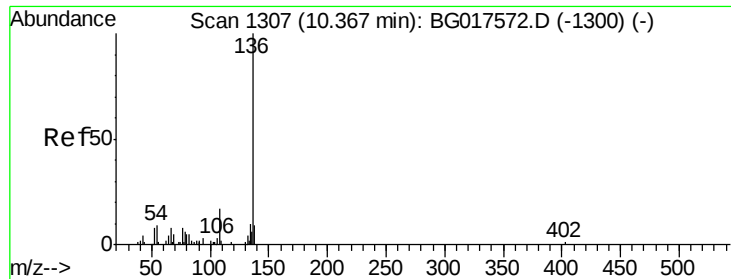
105 72.2 64.0 104.0

106 91.0 67.2 107.2



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC

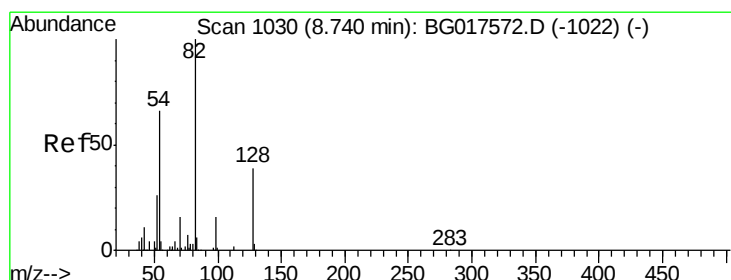
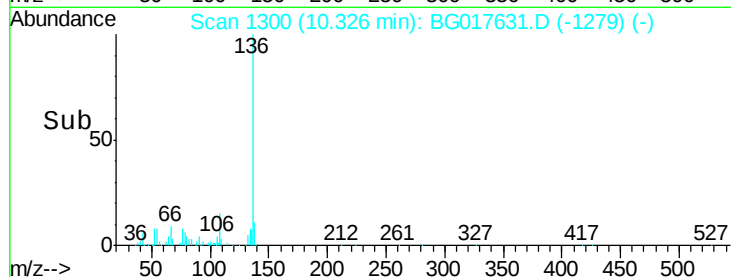
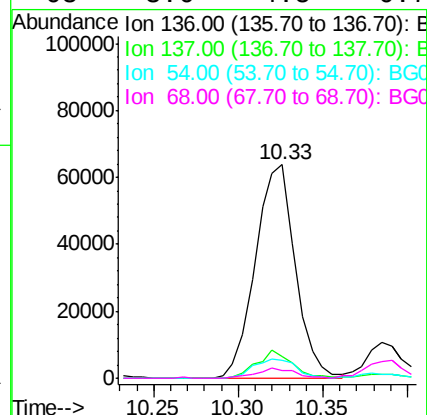
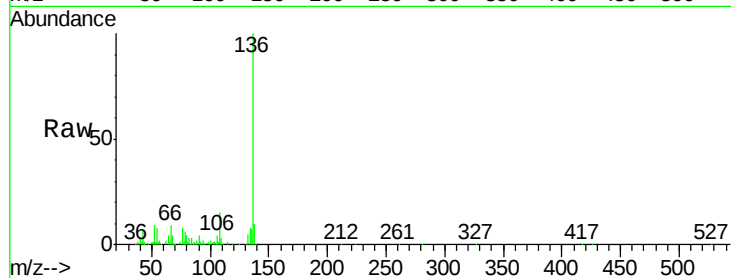




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.33 min Scan# 1300  
Delta R.T. -0.08 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

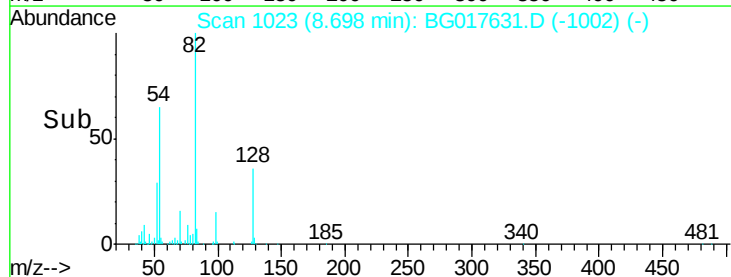
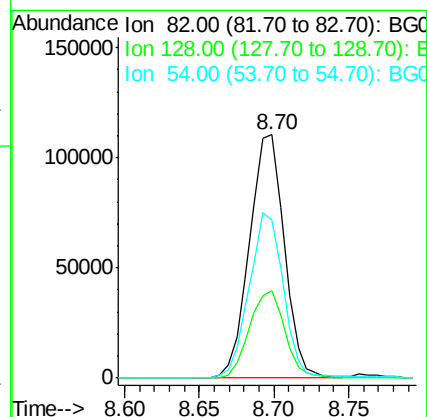
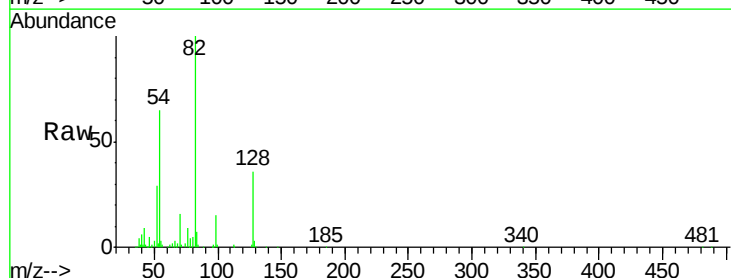
Instrument :  
BNA\_G  
ClientSampleId :

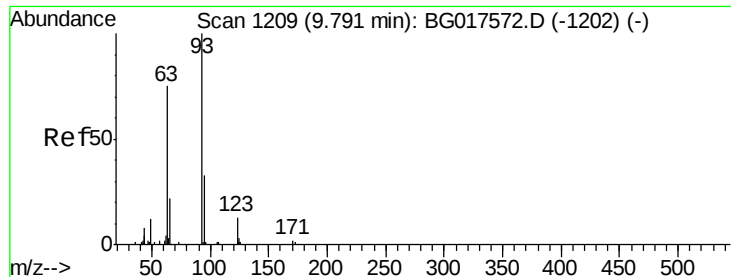
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 104419 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 7.9   | 11.9   |
| 54       | 8.2   | 7.2   | 10.8   |
| 68       | 3.6   | 4.5   | 6.7#   |



#23  
Nitrobenzene-d5  
Concen: 85.73 ng  
RT: 8.70 min Scan# 1023  
Delta R.T. -0.08 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 179329 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.7  | 32.2  | 48.4   |
| 54       | 64.7  | 47.4  | 71.2   |

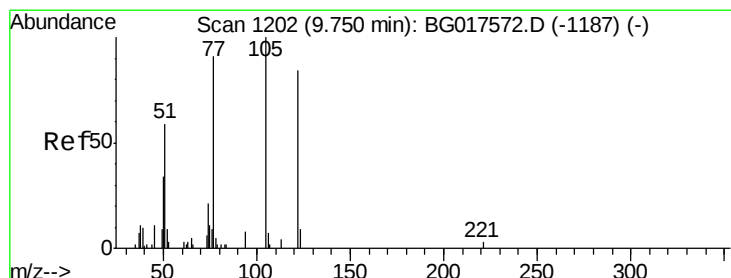
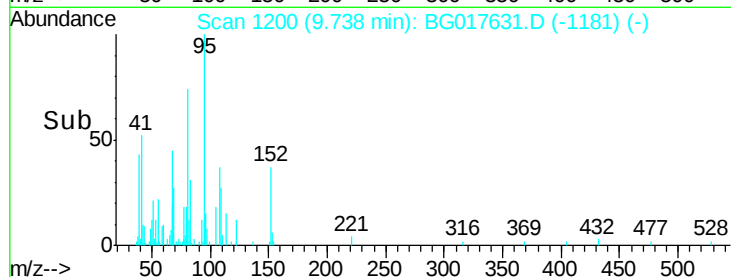
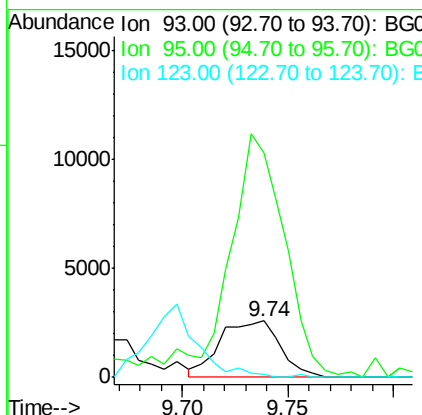
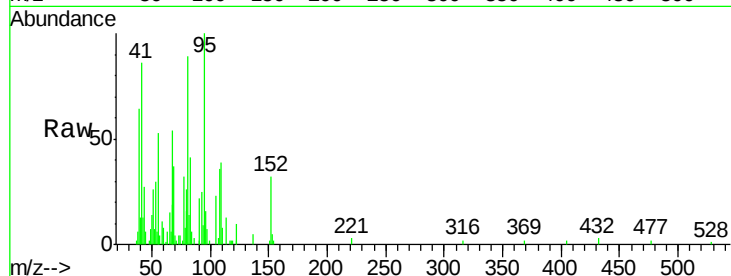




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 2.57 ng  
 RT: 9.74 min Scan# 1200  
 Delta R.T. -0.09 min  
 Lab File: BG017631.D  
 Acq: 12 Jun 2015 6:23

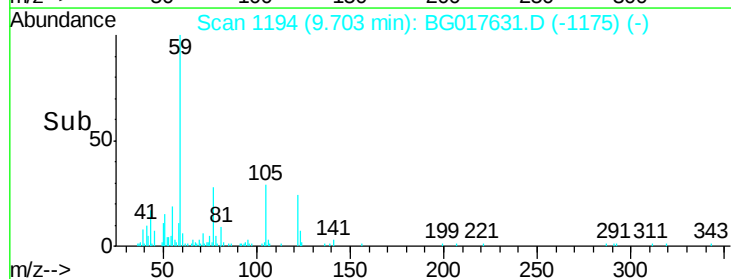
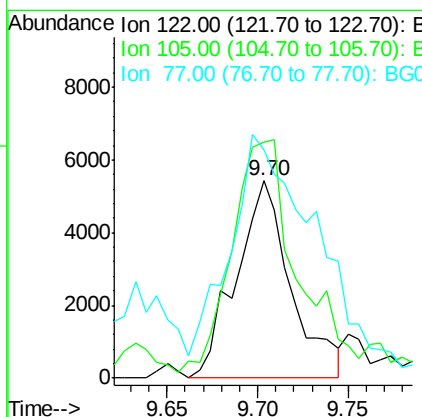
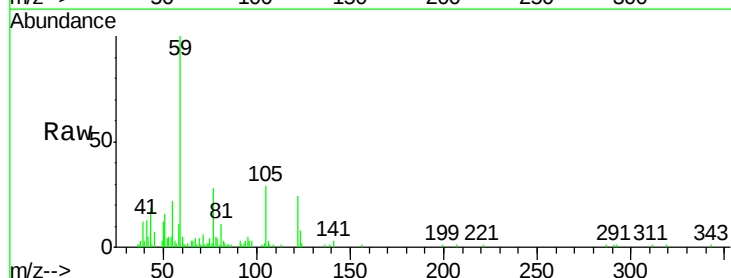
Instrument :  
 BNA\_G  
 ClientSampled :

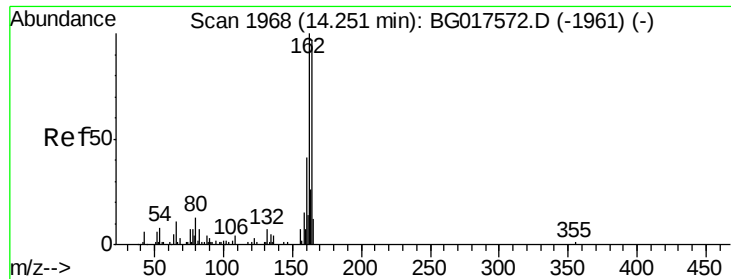
Tgt Ion: 93 Resp: 5145  
 Ion Ratio Lower Upper  
 93 100  
 95 395.7 27.0 40.6#  
 123 6.0 12.5 18.7#



#32  
 Benzoic acid  
 Concen: 11.03 ng  
 RT: 9.70 min Scan# 1194  
 Delta R.T. -0.09 min  
 Lab File: BG017631.D  
 Acq: 12 Jun 2015 6:23

Tgt Ion: 122 Resp: 11419  
 Ion Ratio Lower Upper  
 122 100  
 105 119.9 113.5 153.5  
 77 115.7 85.2 125.2

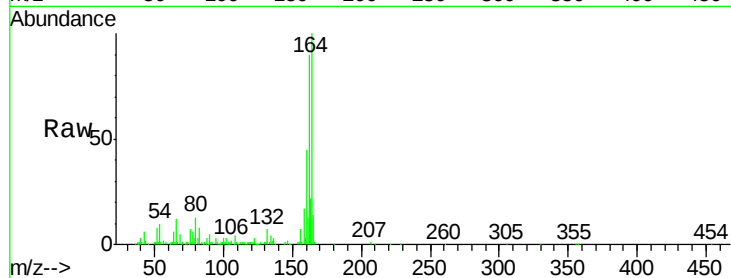




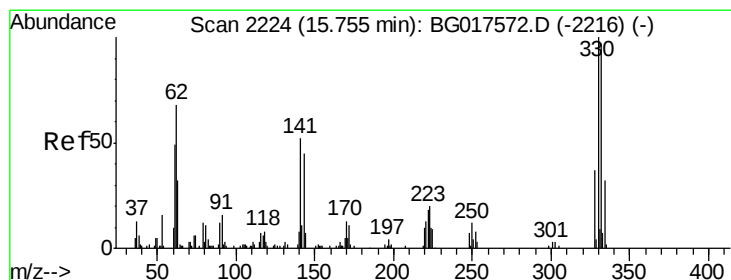
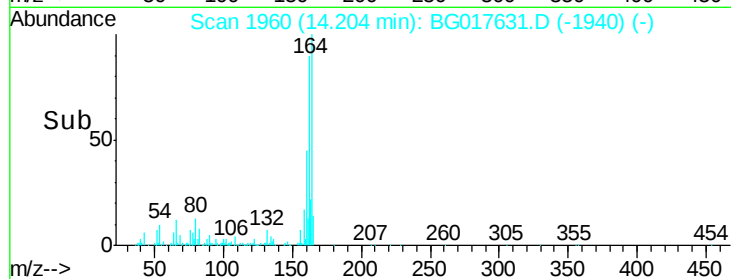
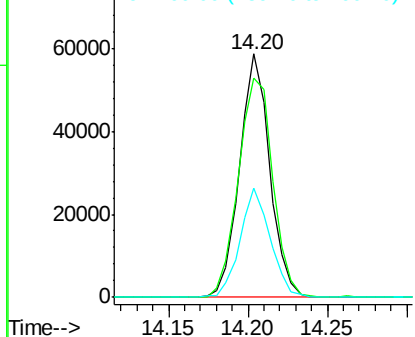
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.20 min Scan# 1960  
Delta R.T. -0.08 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:164 Resp: 77290  
Ion Ratio Lower Upper  
164 100  
162 90.0 81.8 122.6  
160 44.7 31.0 46.4

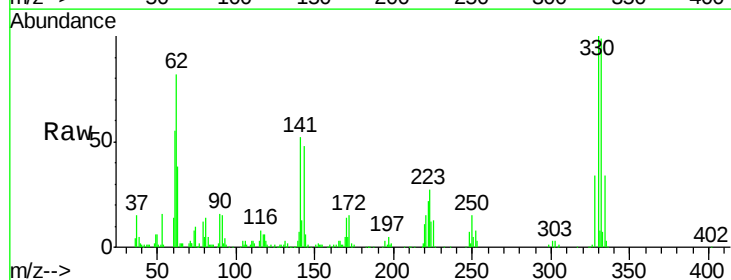


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

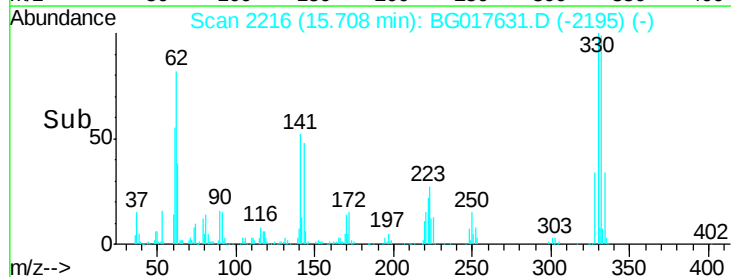
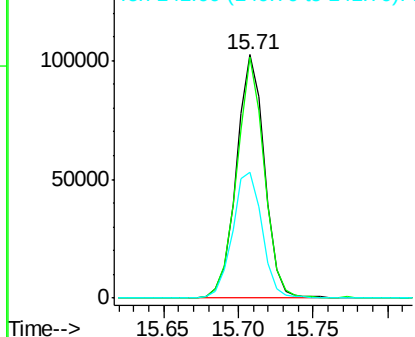


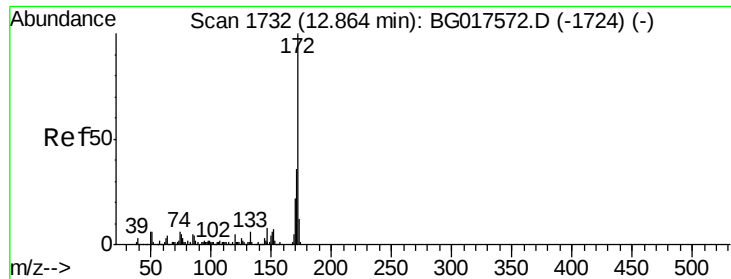
#41  
2,4,6-Tribromophenol  
Concen: 125.05 ng  
RT: 15.71 min Scan# 2216  
Delta R.T. -0.08 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

Tgt Ion:330 Resp: 134245  
Ion Ratio Lower Upper  
330 100  
332 96.4 75.9 113.9  
141 54.6 40.2 60.4



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

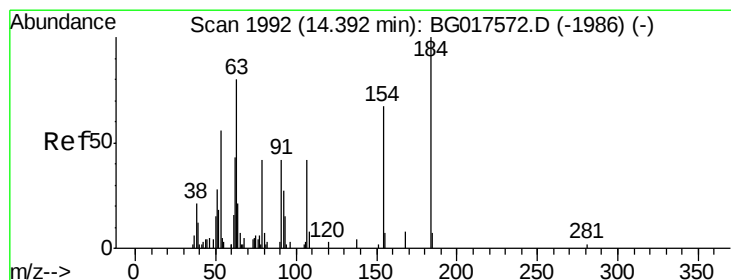
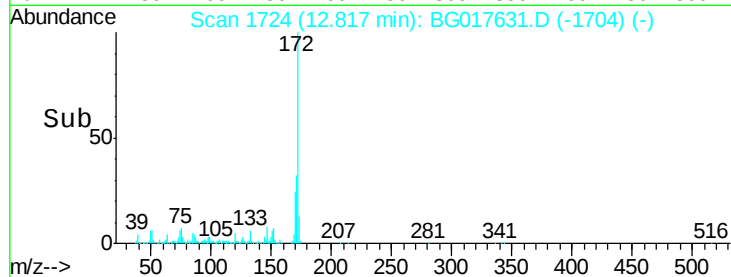
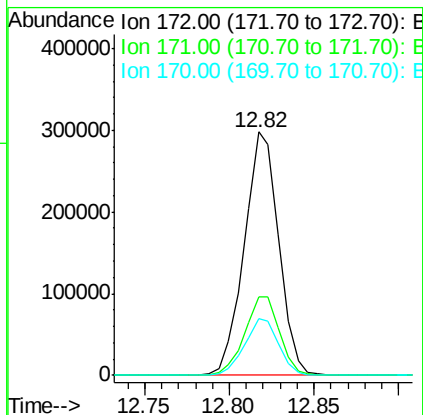
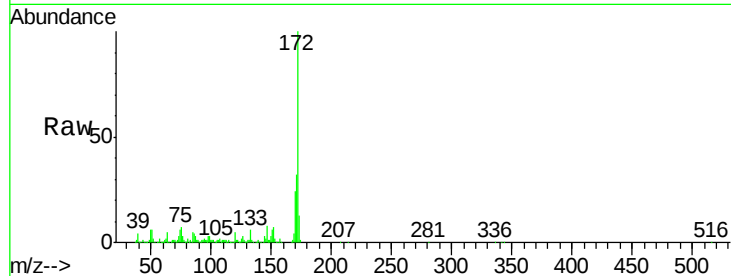




#44  
 2-Fluorobiphenyl  
 Concen: 82.45 ng  
 RT: 12.82 min Scan# 1724  
 Delta R.T. -0.08 min  
 Lab File: BG017631.D  
 Acq: 12 Jun 2015 6:23

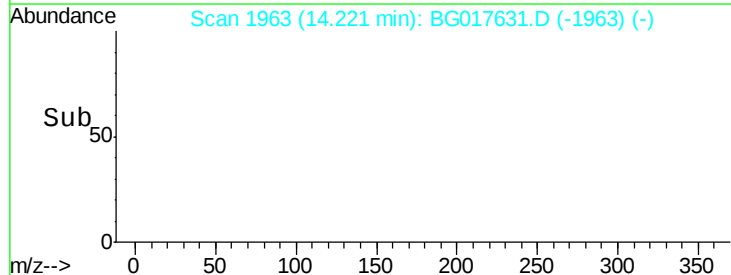
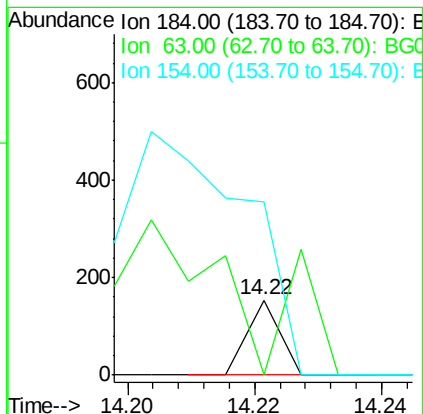
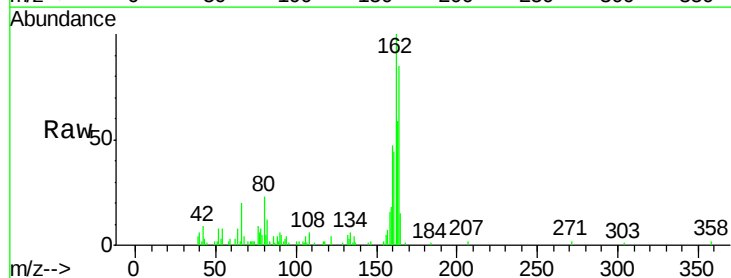
Instrument :  
 BNA\_G  
 ClientSampleId :

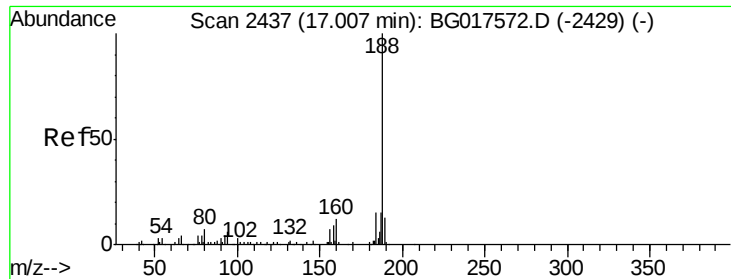
Tgt Ion:172 Resp: 422442  
 Ion Ratio Lower Upper  
 172 100  
 171 32.4 29.0 43.6  
 170 23.6 18.9 28.3



#53  
 2,4-Dinitrophenol  
 Concen: 7.07 ng  
 RT: 14.22 min Scan# 1963  
 Delta R.T. -0.20 min  
 Lab File: BG017631.D  
 Acq: 12 Jun 2015 6:23

Tgt Ion:184 Resp: 54  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 61.5 92.3#  
 154 231.2 53.8 80.8#

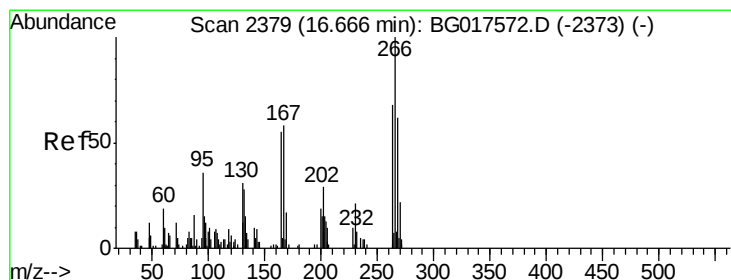
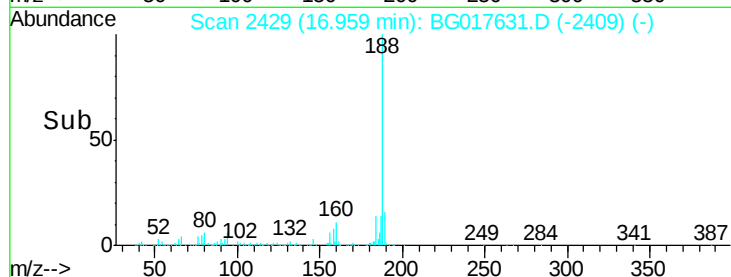
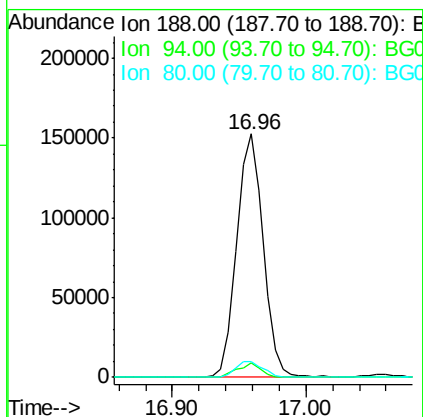
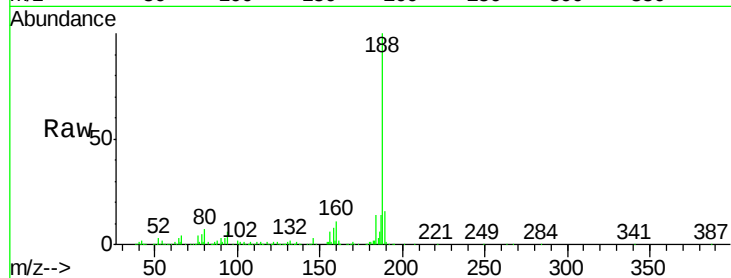




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.96 min Scan# 2429  
Delta R.T. -0.08 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

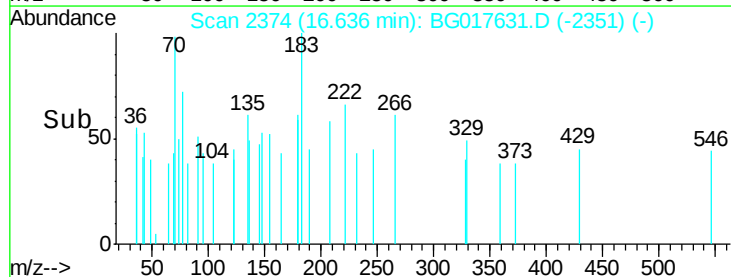
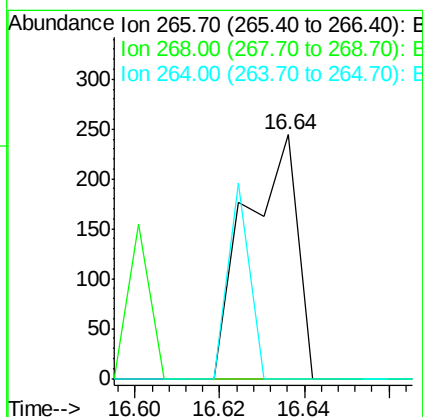
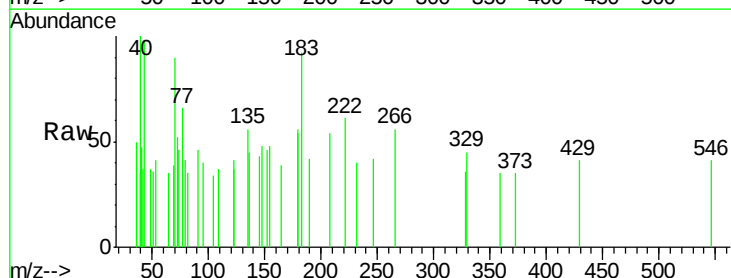
Instrument :  
BNA\_G  
ClientSampleId :

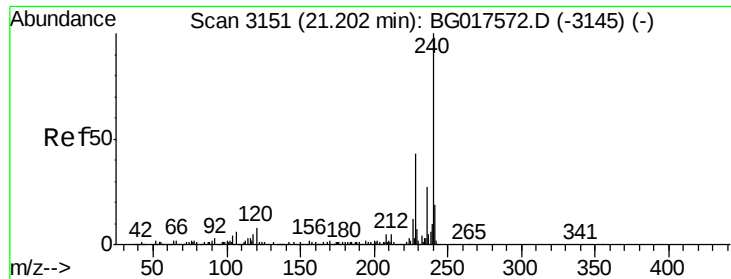
Tgt Ion:188 Resp: 210416  
Ion Ratio Lower Upper  
188 100  
94 6.0 6.3 9.5#  
80 6.5 5.2 7.8



#69  
Pentachlorophenol  
Concen: 5.62 ng  
RT: 16.64 min Scan# 2374  
Delta R.T. -0.07 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

Tgt Ion:266 Resp: 206  
Ion Ratio Lower Upper  
266 100  
268 0.0 47.0 70.6#  
264 0.0 45.7 68.5#

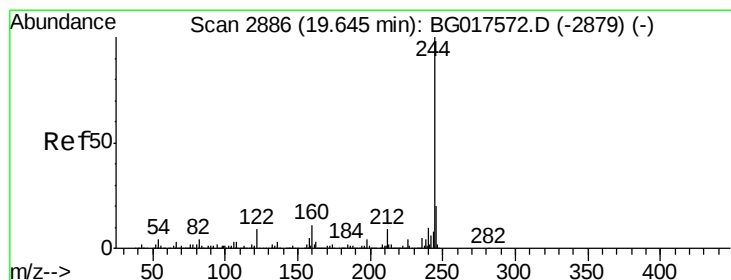
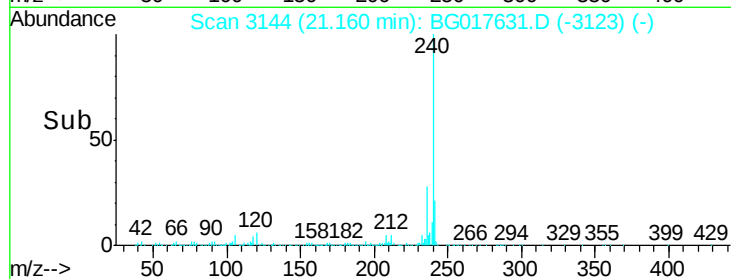
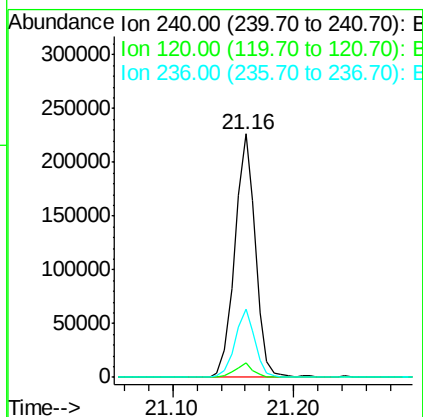
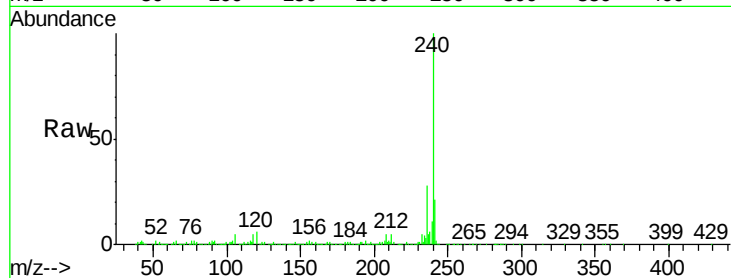




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.16 min Scan# 3144  
Delta R.T. -0.08 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

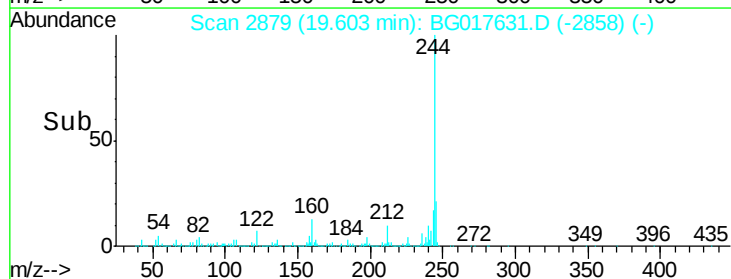
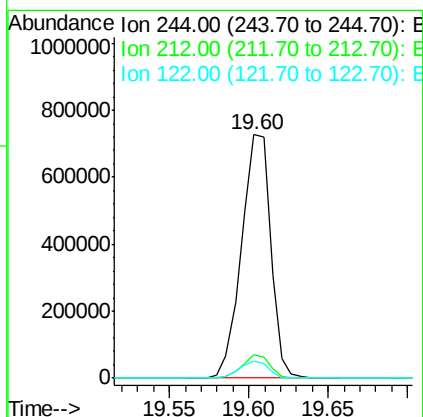
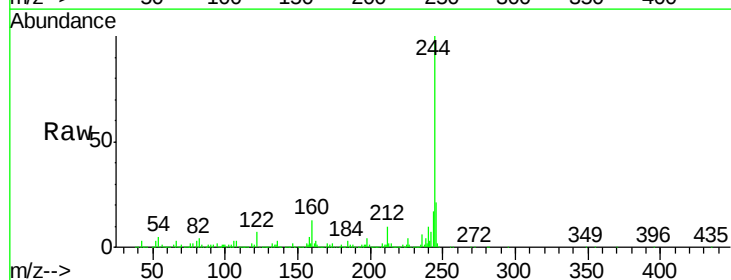
Instrument :  
BNA\_G  
ClientSampleId :

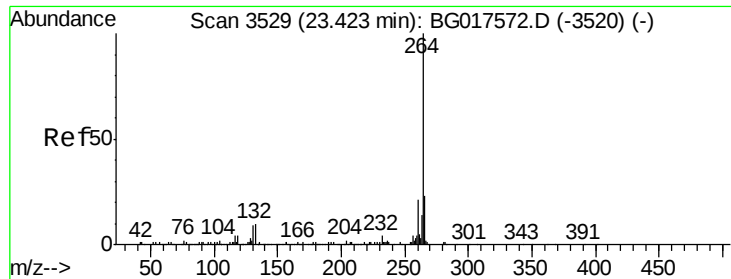
Tgt Ion:240 Resp: 269337  
Ion Ratio Lower Upper  
240 100  
120 6.1 6.5 9.7#  
236 28.0 20.8 31.2



#78  
Terphenyl-d14  
Concen: 71.29 ng  
RT: 19.60 min Scan# 2879  
Delta R.T. -0.08 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

Tgt Ion:244 Resp: 929025  
Ion Ratio Lower Upper  
244 100  
212 9.7 6.4 9.6#  
122 6.9 6.6 10.0





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.36 min Scan# 3518  
Delta R.T. -0.12 min  
Lab File: BG017631.D  
Acq: 12 Jun 2015 6:23

Instrument :  
BNA\_G  
ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 18.2  | 27.4  |
| 265     | 20.8  | 15.8  | 23.6  |

