

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG101218\  
 Data File : BG037303.D  
 Acq On : 12 Oct 2018 22:55  
 Operator : JU/SJ  
 Sample : J5197-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-101118

Quant Time: Oct 13 00:17:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 11 13:59:58 2018  
 Response via : Initial Calibration

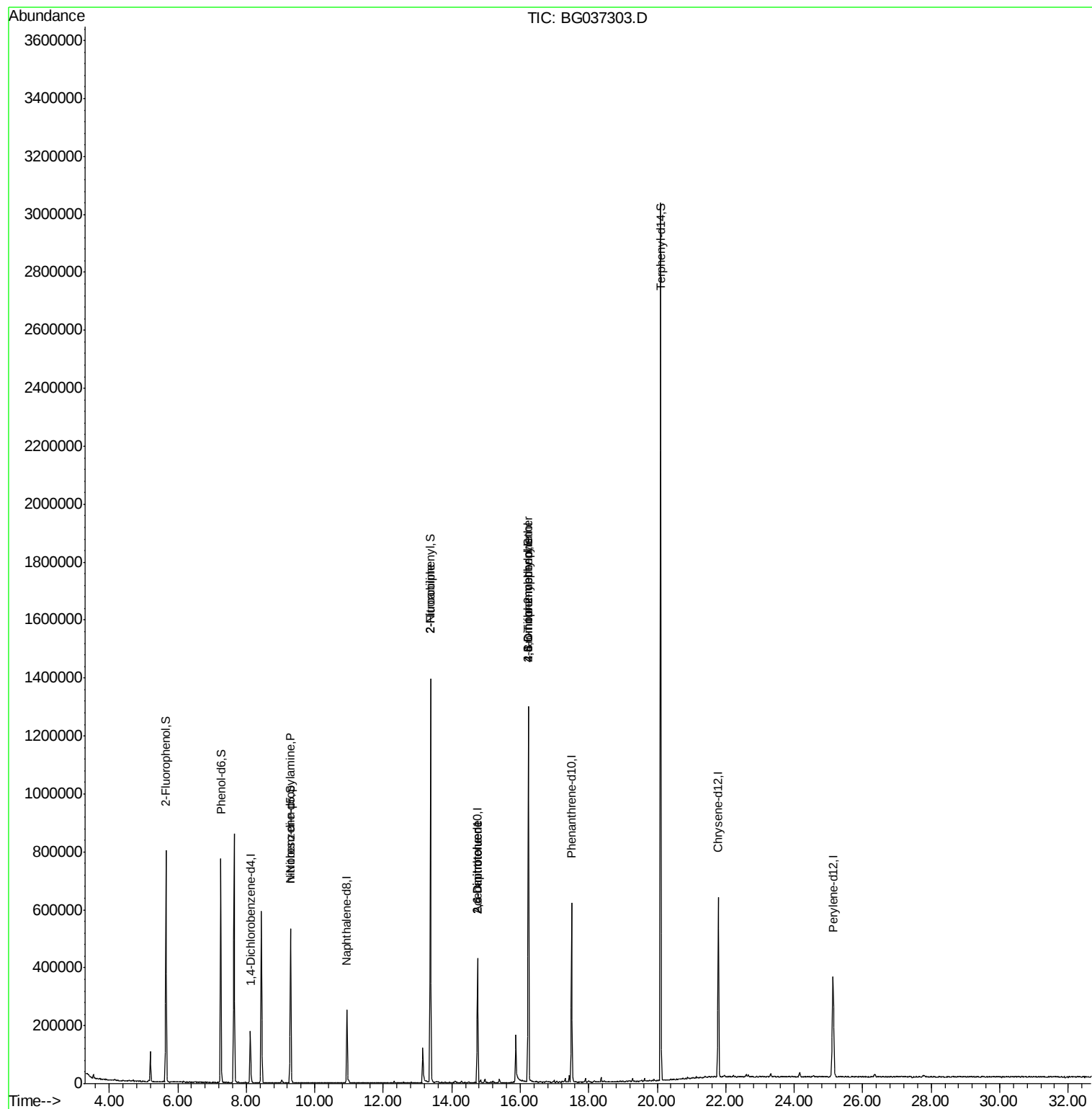
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.12  | 152  | 53070    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.94 | 136  | 221861   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 14.75 | 164  | 147483   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.50 | 188  | 397103   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.78 | 240  | 382471   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 25.13 | 264  | 394146   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.66  | 112  | 364874   | 121.00 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.25  | 99   | 471749   | 103.07 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.29  | 82   | 323683   | 95.92  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.24 | 330  | 234286   | 161.98 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.38 | 172  | 750750   | 76.45  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.10 | 244  | 1434711  | 78.77  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.29  | 70   | 40742    | 11.757 | ng    | # 72     |
| 48) 2-Nitroaniline             | 13.37 | 65   | 1289     | 6.212  | ng    | # 16     |
| 51) 2,6-Dinitrotoluene         | 14.75 | 165  | 18827    | 12.335 | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 14.75 | 165  | 18827    | 11.206 | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylphenol | 16.24 | 198  | 781      | 6.496  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 16.24 | 248  | 17335    | 4.045  | ng    | # 1      |

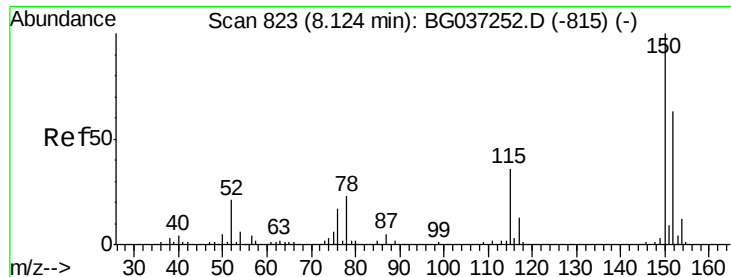
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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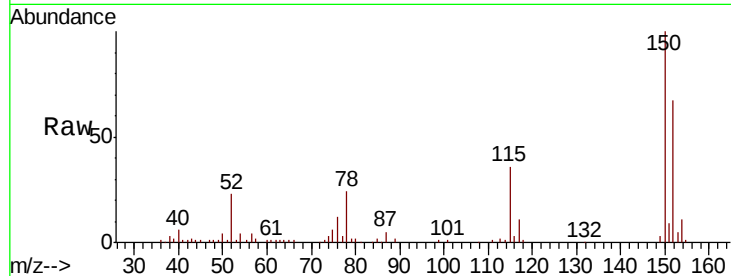


#1

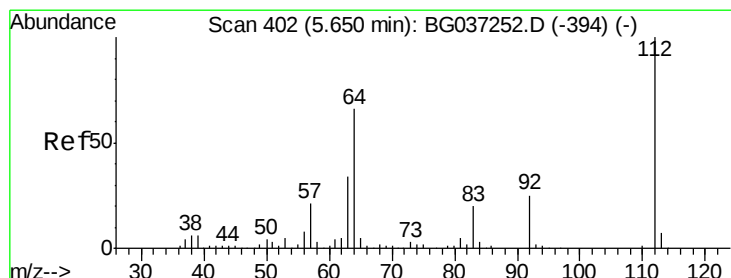
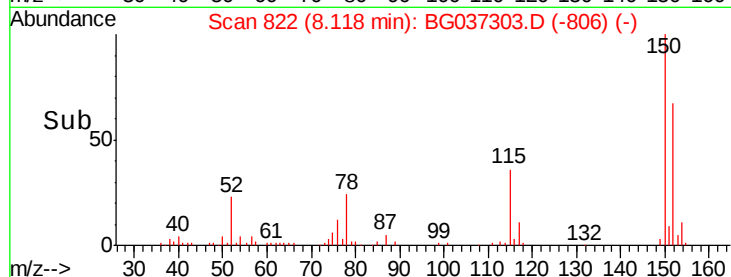
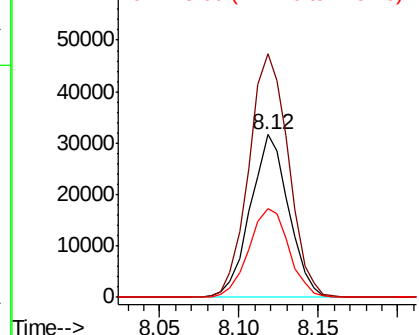
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.12 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BG037303.D  
Acq: 12 Oct 2018 22:55

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-101118

Tgt Ion:152 Resp: 53070  
Ion Ratio Lower Upper  
152 100  
150 149.6 126.0 189.0  
115 54.2 45.5 68.3



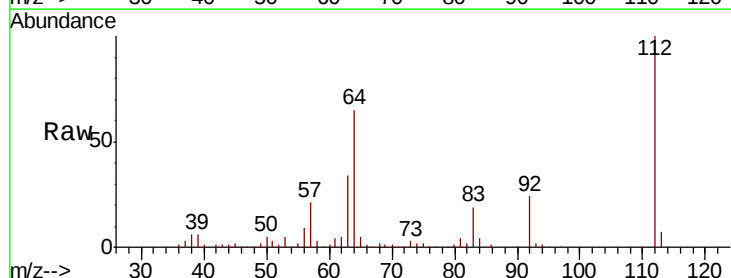
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



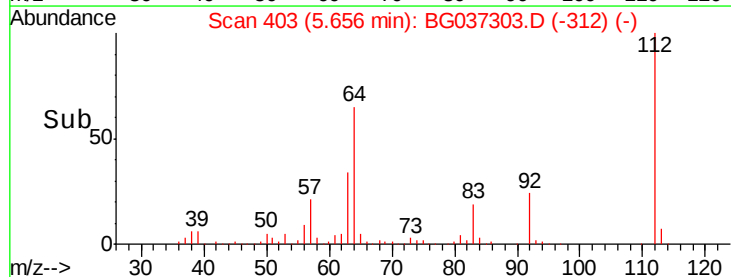
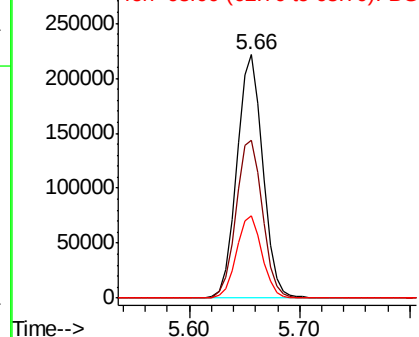
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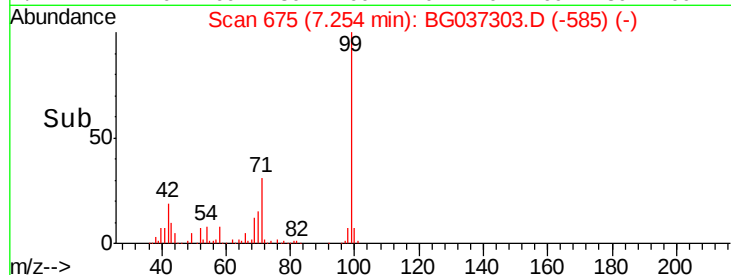
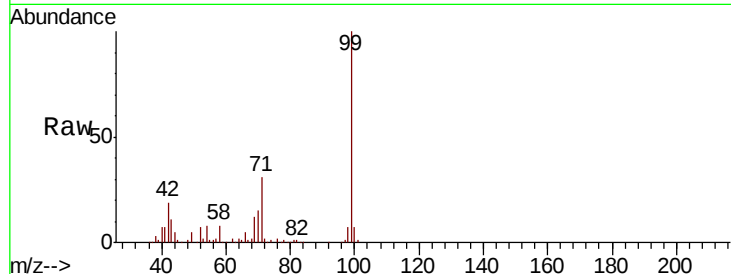
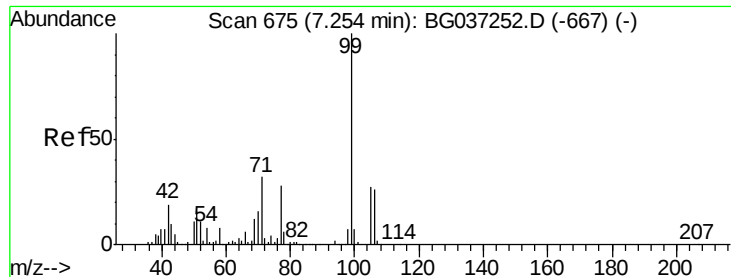
2-Fluorophenol  
Concen: 120.999 ng  
RT: 5.66 min Scan# 403  
Delta R.T. 0.01 min  
Lab File: BG037303.D  
Acq: 12 Oct 2018 22:55

Tgt Ion:112 Resp: 364874  
Ion Ratio Lower Upper  
112 100  
64 65.0 53.1 79.7  
63 33.6 27.3 40.9



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

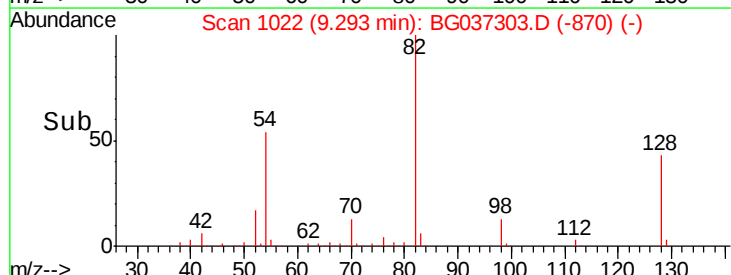
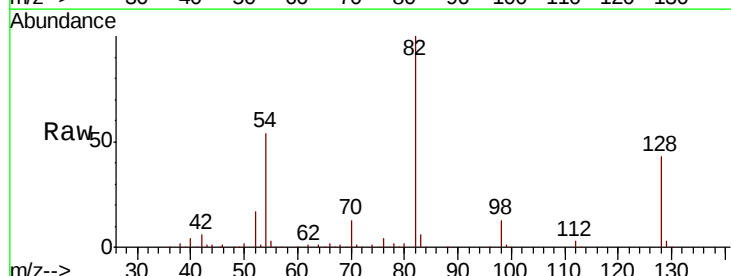
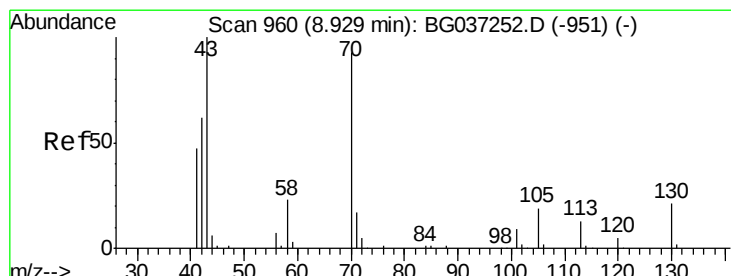
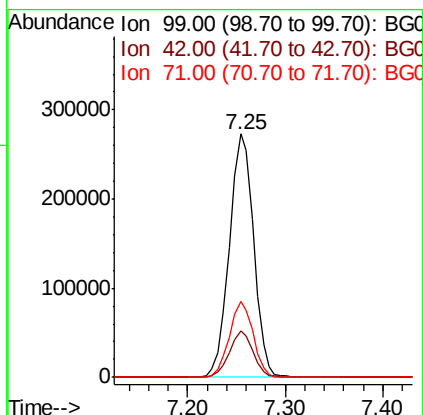




#7  
 Phenol-d6  
 Concen: 103.069 ng  
 RT: 7.25 min Scan# 675  
 Delta R.T. -0.00 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

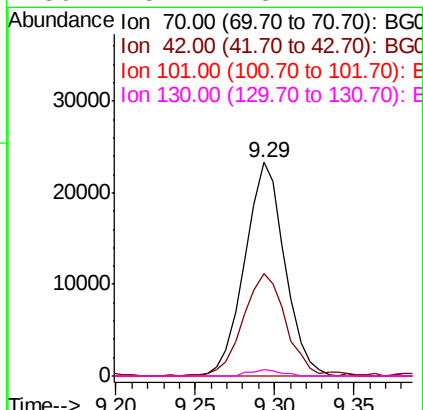
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-101118

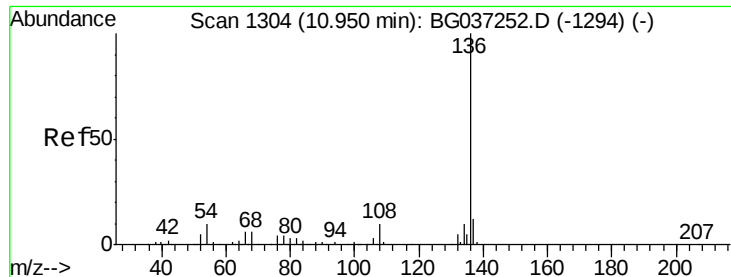
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 19.3  | 15.0  | 22.4  |
| 71      | 31.0  | 25.5  | 38.3  |



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 11.757 ng  
 RT: 9.29 min Scan# 1022  
 Delta R.T. 0.36 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 48.2  | 53.9  | 80.9# |
| 101     | 0.0   | 8.2   | 12.2# |
| 130     | 3.1   | 18.2  | 27.4# |

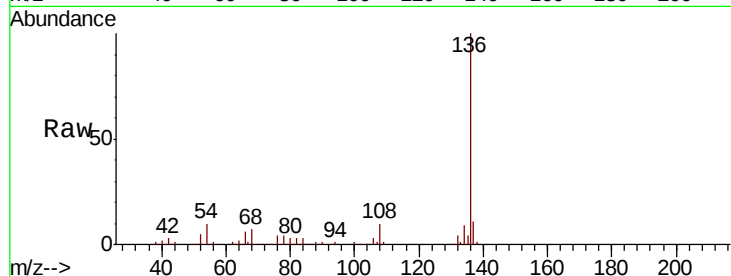




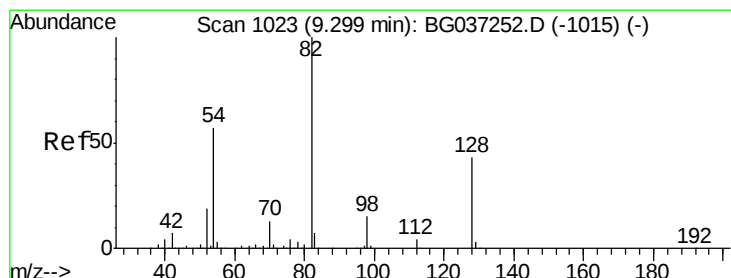
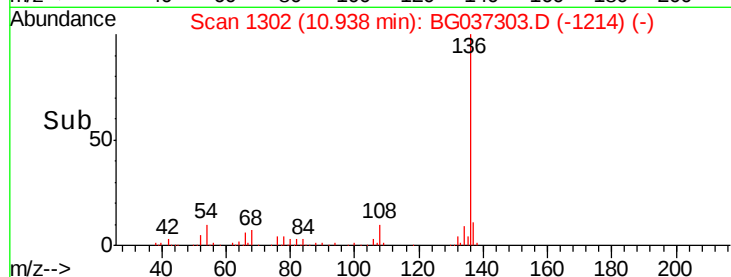
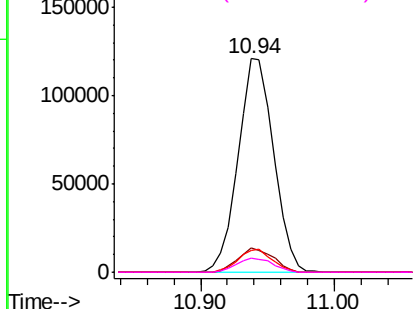
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.94 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BG037303.D  
Acq: 12 Oct 2018 22:55

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-101118

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 221861 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 9.6   | 14.4   |
| 54       | 10.4  | 7.9   | 11.9   |
| 68       | 6.6   | 4.8   | 7.2    |

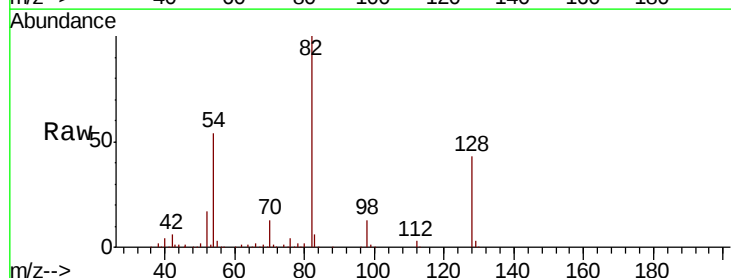


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

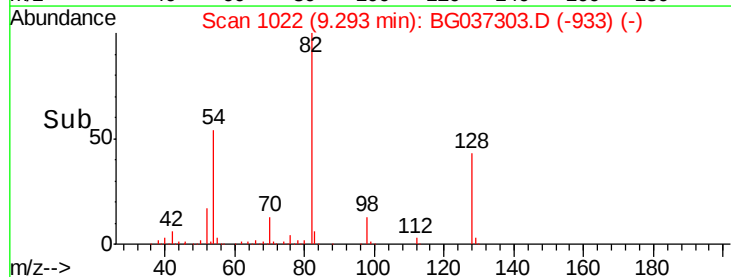
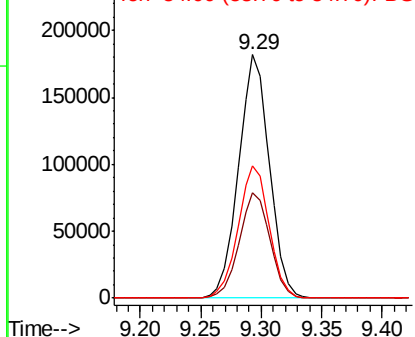


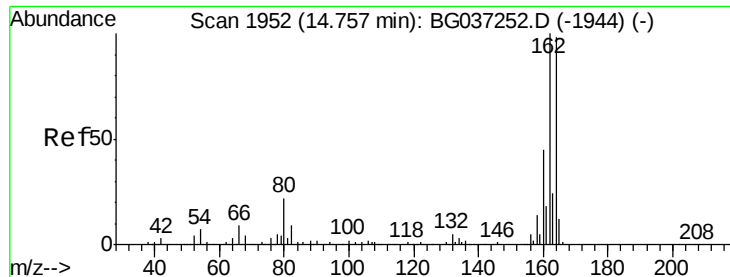
#23  
Nitrobenzene-d5  
Concen: 95.918 ng  
RT: 9.29 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BG037303.D  
Acq: 12 Oct 2018 22:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 323683 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.1  | 34.6  | 51.8   |
| 54       | 54.4  | 45.3  | 67.9   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BG037303.D

Acq: 12 Oct 2018 22:55

Instrument :

BNA\_G

ClientSampleId :

HD-01-101118

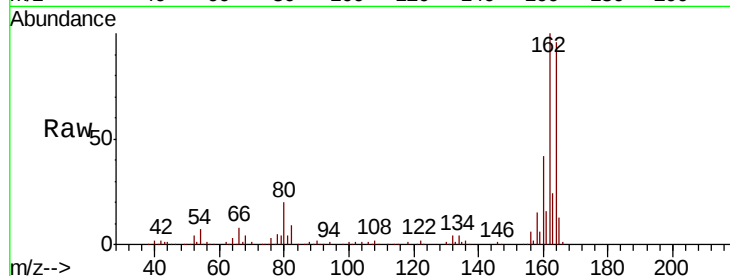
Tgt Ion:164 Resp: 147483

Ion Ratio Lower Upper

164 100

162 104.2 81.3 121.9

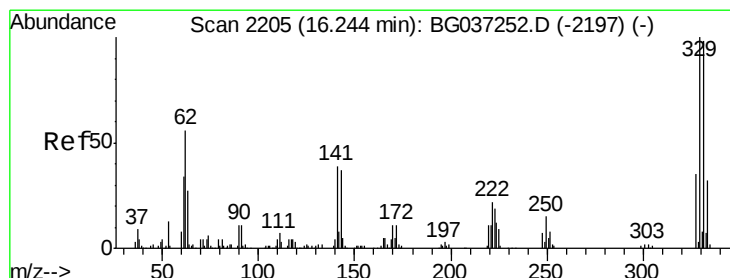
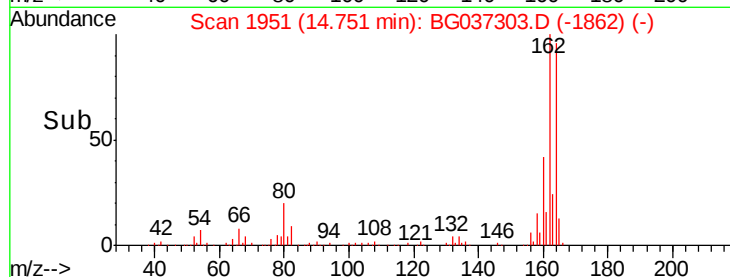
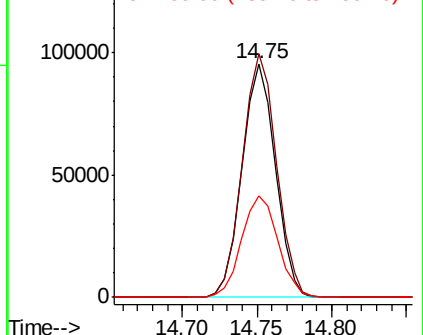
160 43.4 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 161.979 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG037303.D

Acq: 12 Oct 2018 22:55

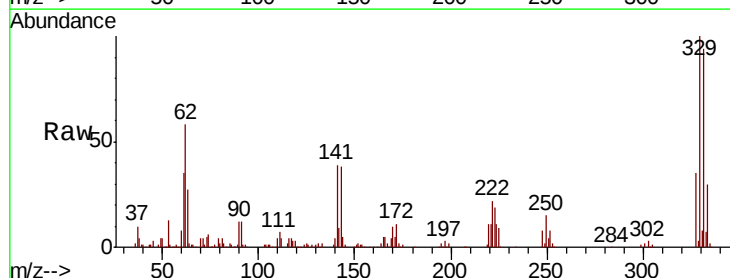
Tgt Ion:330 Resp: 234286

Ion Ratio Lower Upper

330 100

332 95.1 78.4 117.6

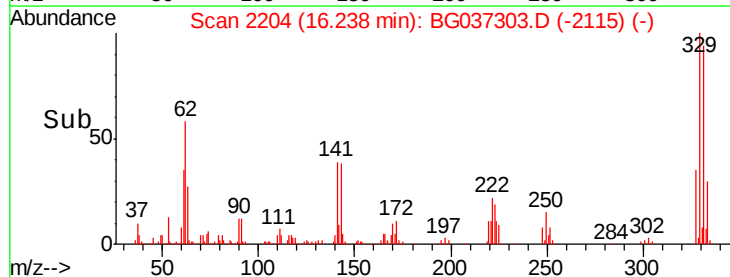
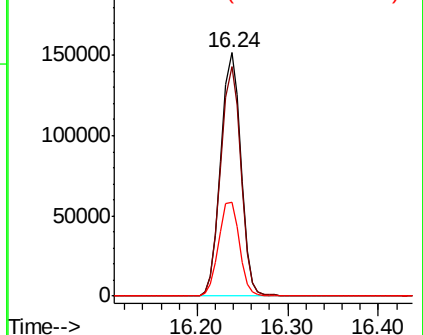
141 39.8 32.2 48.2

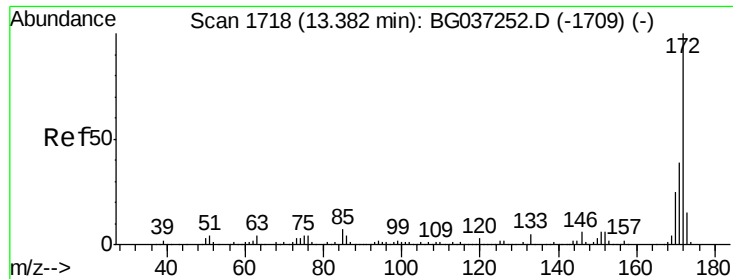


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

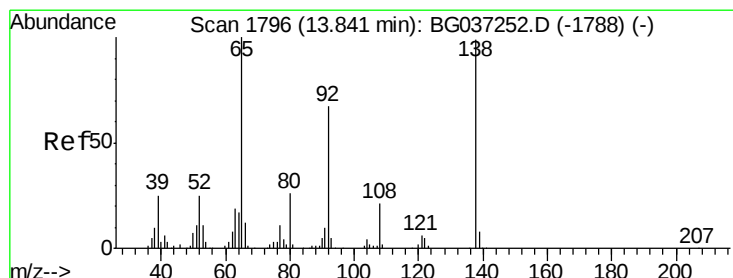
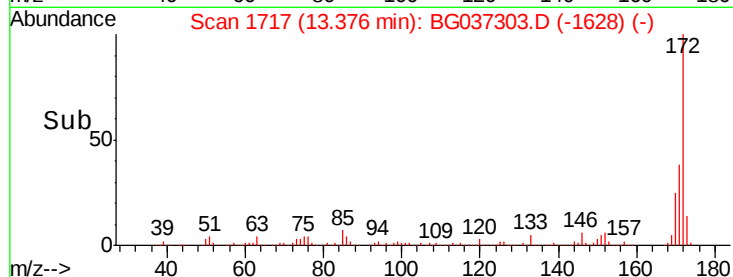
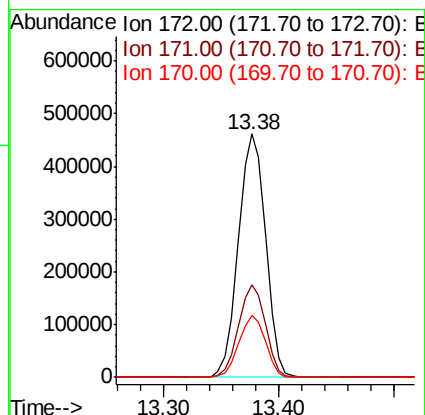
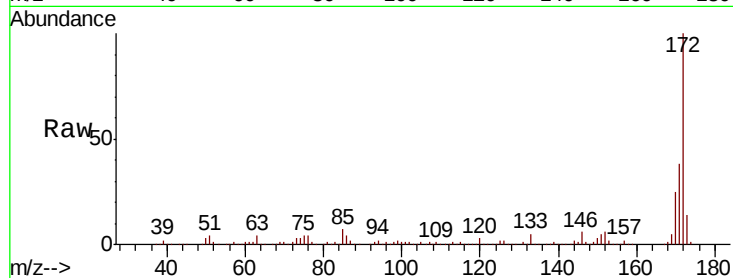




#45  
 2-Fluorobiphenyl  
 Concen: 76.446 ng  
 RT: 13.38 min Scan# 1717  
 Delta R.T. -0.01 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

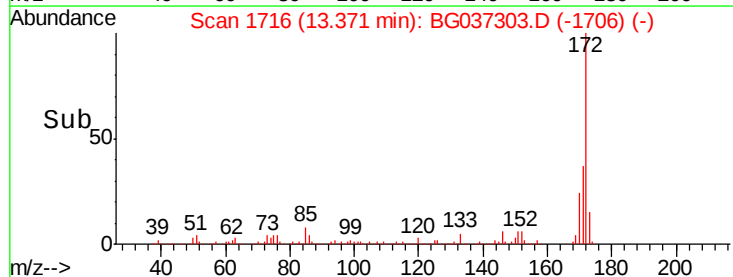
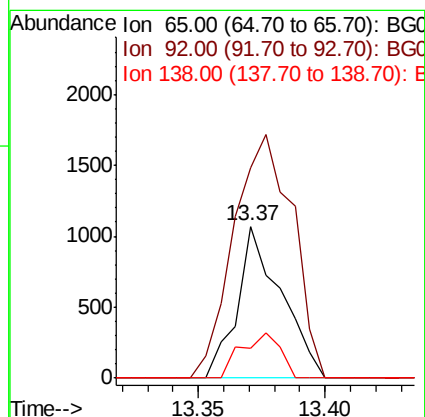
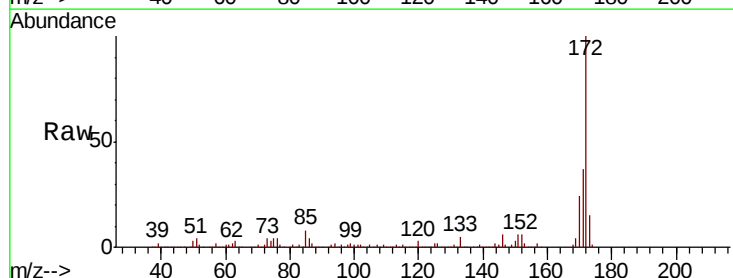
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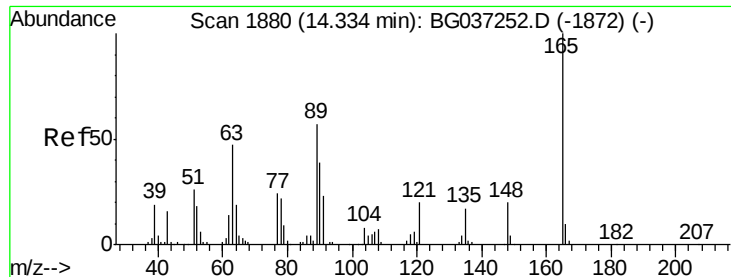
Tgt Ion: 172 Resp: 750750  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 31.0 46.4  
 170 25.5 20.2 30.2



#48  
 2-Nitroaniline  
 Concen: 6.212 ng  
 RT: 13.37 min Scan# 1716  
 Delta R.T. -0.47 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

Tgt Ion: 65 Resp: 1289  
 Ion Ratio Lower Upper  
 65 100  
 92 138.1 53.2 79.8#  
 138 19.5 79.3 118.9#

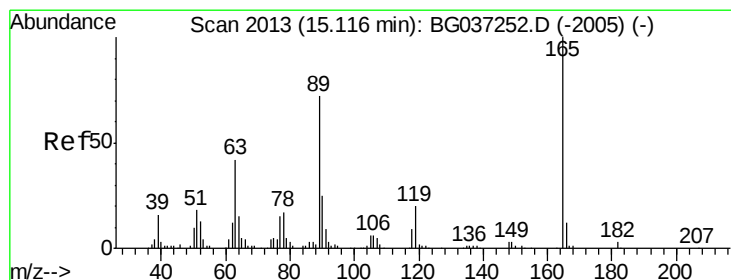
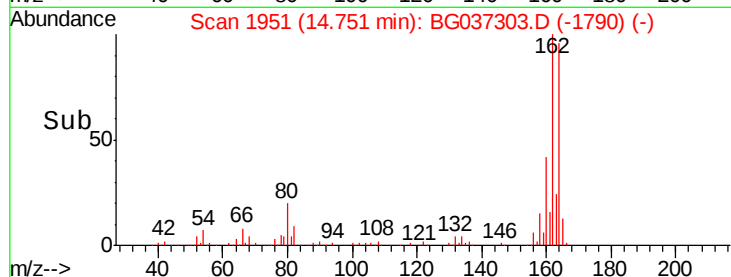
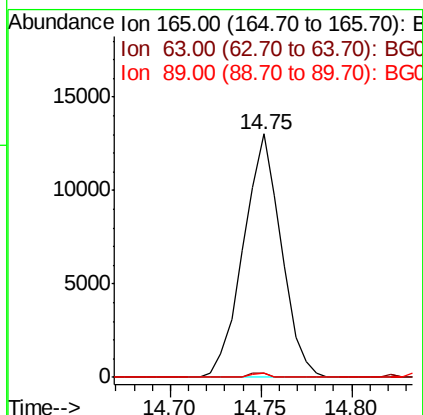
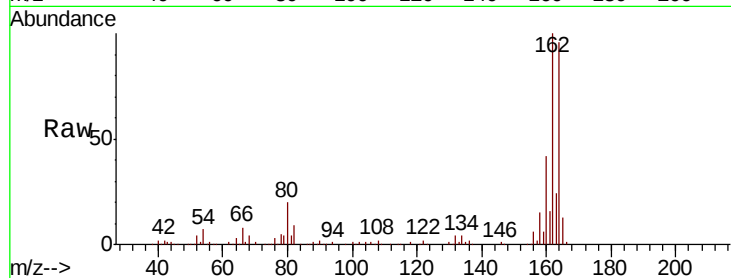




#51  
 2,6-Dinitrotoluene  
 Concen: 12.335 ng  
 RT: 14.75 min Scan# 1951  
 Delta R.T. 0.42 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

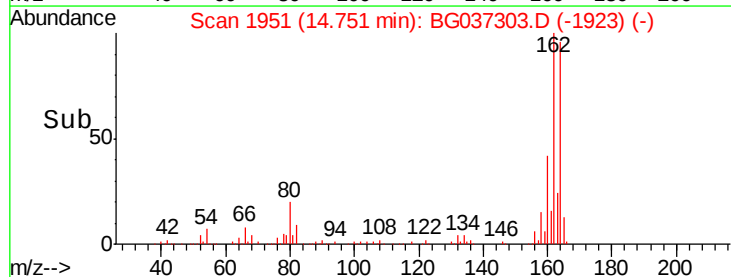
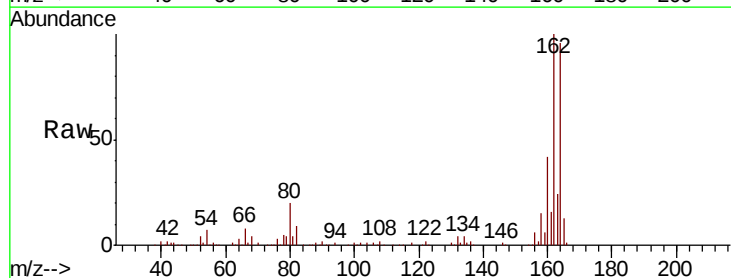
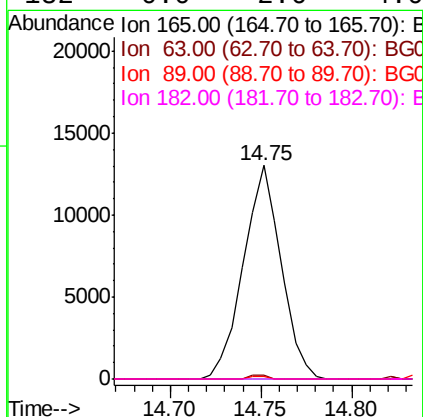
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-101118

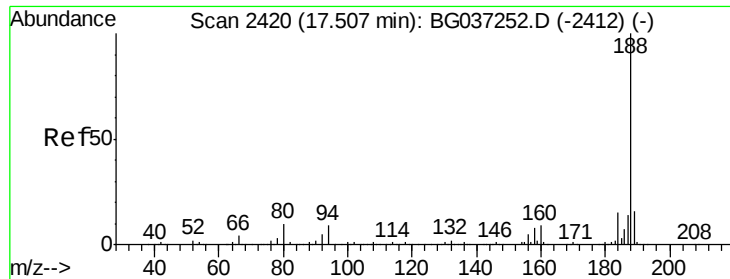
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 43.4  | 65.2# |
| 89      | 1.5   | 45.8  | 68.6# |



#57  
 2,4-Dinitrotoluene  
 Concen: 11.206 ng  
 RT: 14.75 min Scan# 1951  
 Delta R.T. -0.36 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 33.4  | 50.0# |
| 89      | 1.5   | 57.2  | 85.8# |
| 182     | 0.0   | 2.6   | 4.0#  |

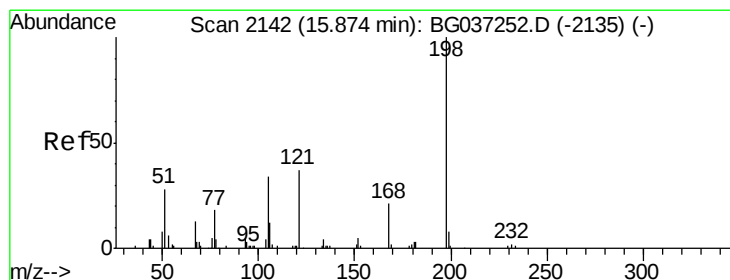
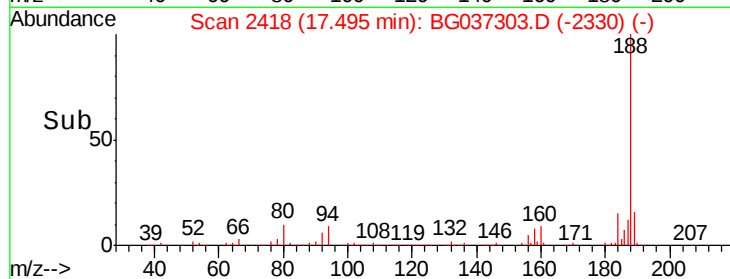
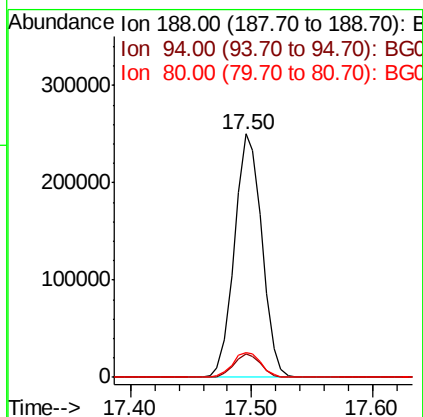
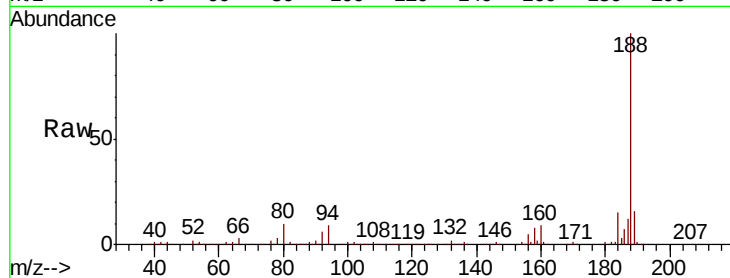




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.50 min Scan# 2418  
Delta R.T. -0.01 min  
Lab File: BG037303.D  
Acq: 12 Oct 2018 22:55

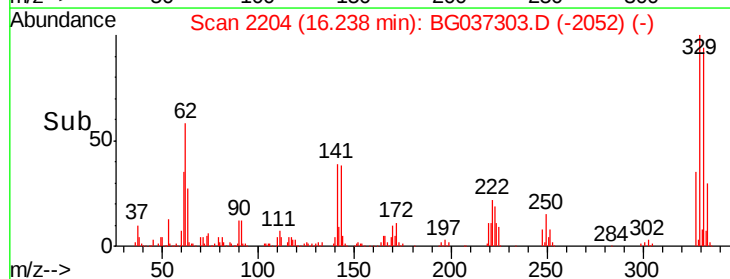
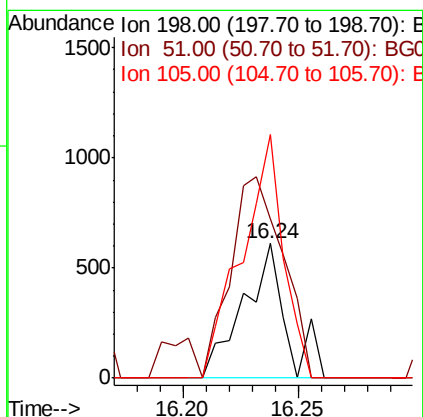
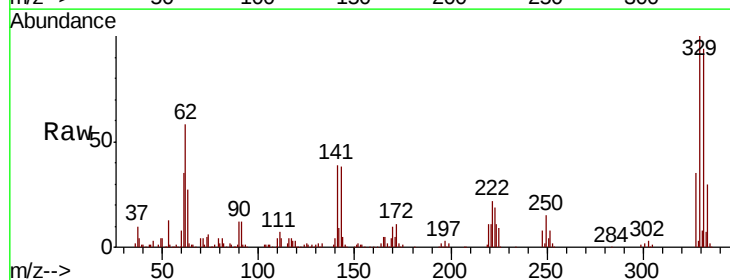
Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-101118

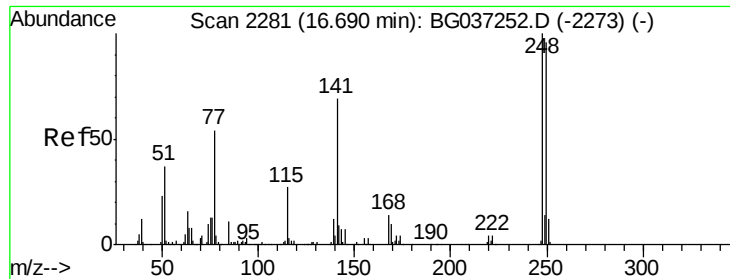
Tgt Ion:188 Resp: 397103  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.2 10.8  
80 10.3 7.7 11.5



#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.496 ng  
RT: 16.24 min Scan# 2204  
Delta R.T. 0.36 min  
Lab File: BG037303.D  
Acq: 12 Oct 2018 22:55

Tgt Ion:198 Resp: 781  
Ion Ratio Lower Upper  
198 100  
51 118.3 22.7 62.7#  
105 181.0 19.7 59.7#

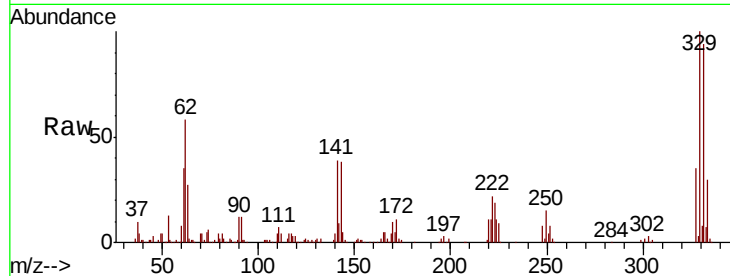




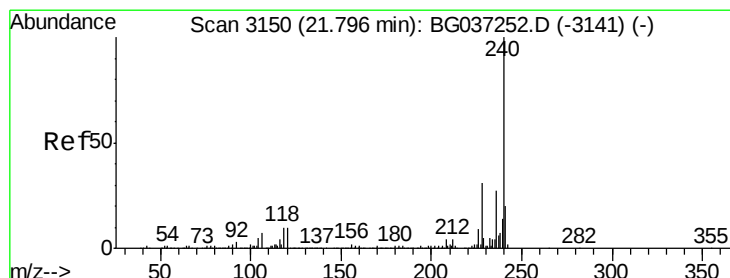
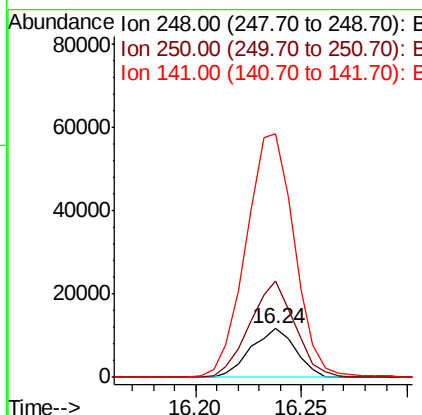
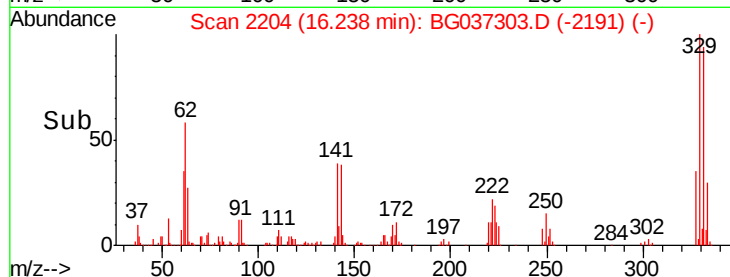
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.045 ng  
 RT: 16.24 min Scan# 2204  
 Delta R.T. -0.45 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-101118

Tgt Ion:248 Resp: 17335  
 Ion Ratio Lower Upper  
 248 100  
 250 186.6 77.0 115.6#  
 141 377.1 55.5 83.3#

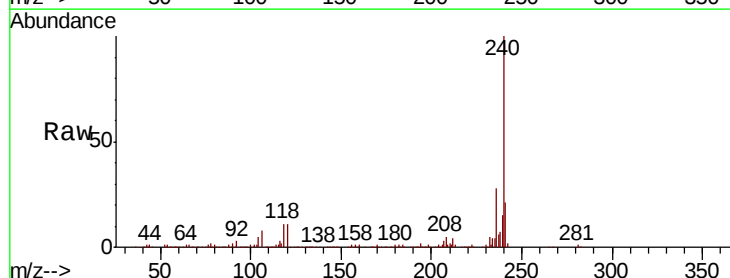


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

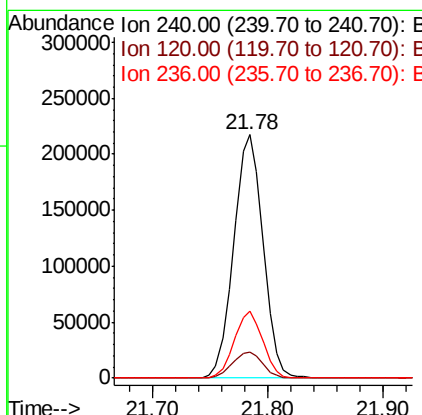
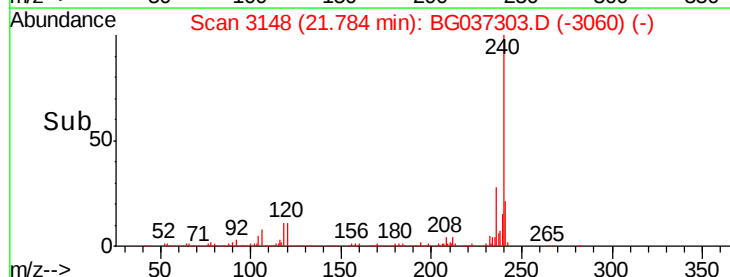


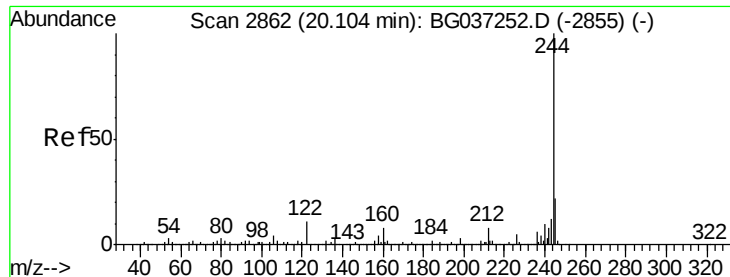
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.78 min Scan# 3148  
 Delta R.T. -0.01 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

Tgt Ion:240 Resp: 382471  
 Ion Ratio Lower Upper  
 240 100  
 120 10.7 8.1 12.1  
 236 27.5 21.4 32.0



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

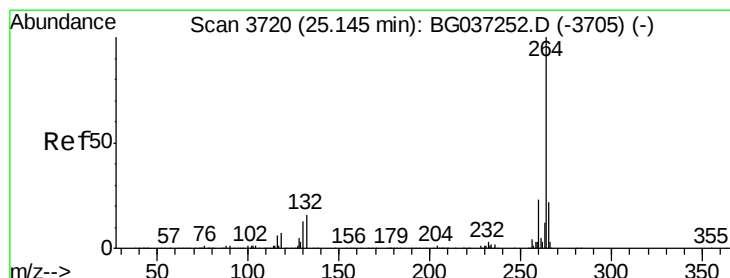
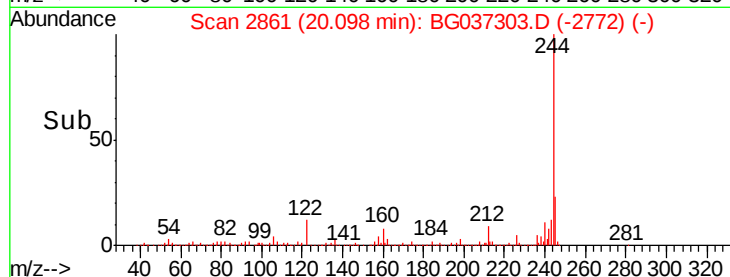
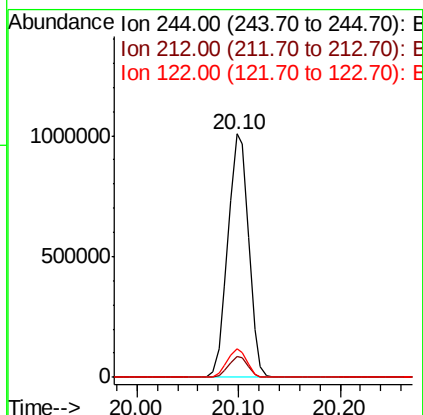
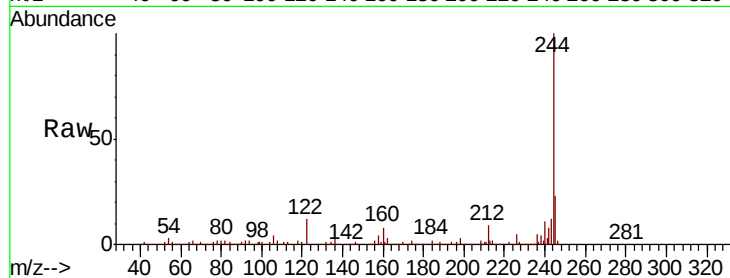




#79  
 Terphenyl-d14  
 Concen: 78.765 ng  
 RT: 20.10 min Scan# 2861  
 Delta R.T. -0.01 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-101118

Tgt Ion:244 Resp: 1434711  
 Ion Ratio Lower Upper  
 244 100  
 212 8.5 6.5 9.7  
 122 11.7 9.0 13.4



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.13 min Scan# 3718  
 Delta R.T. -0.01 min  
 Lab File: BG037303.D  
 Acq: 12 Oct 2018 22:55

Tgt Ion:264 Resp: 394146  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 18.2 27.4  
 265 22.2 17.9 26.9

