

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\  
 Data File : BG032999.D  
 Acq On : 5 Mar 2018 20:59  
 Operator : SJ/JU  
 Sample : PB107053TB  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 06 01:27:32 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 01 17:38:52 2018  
 Response via : Initial Calibration

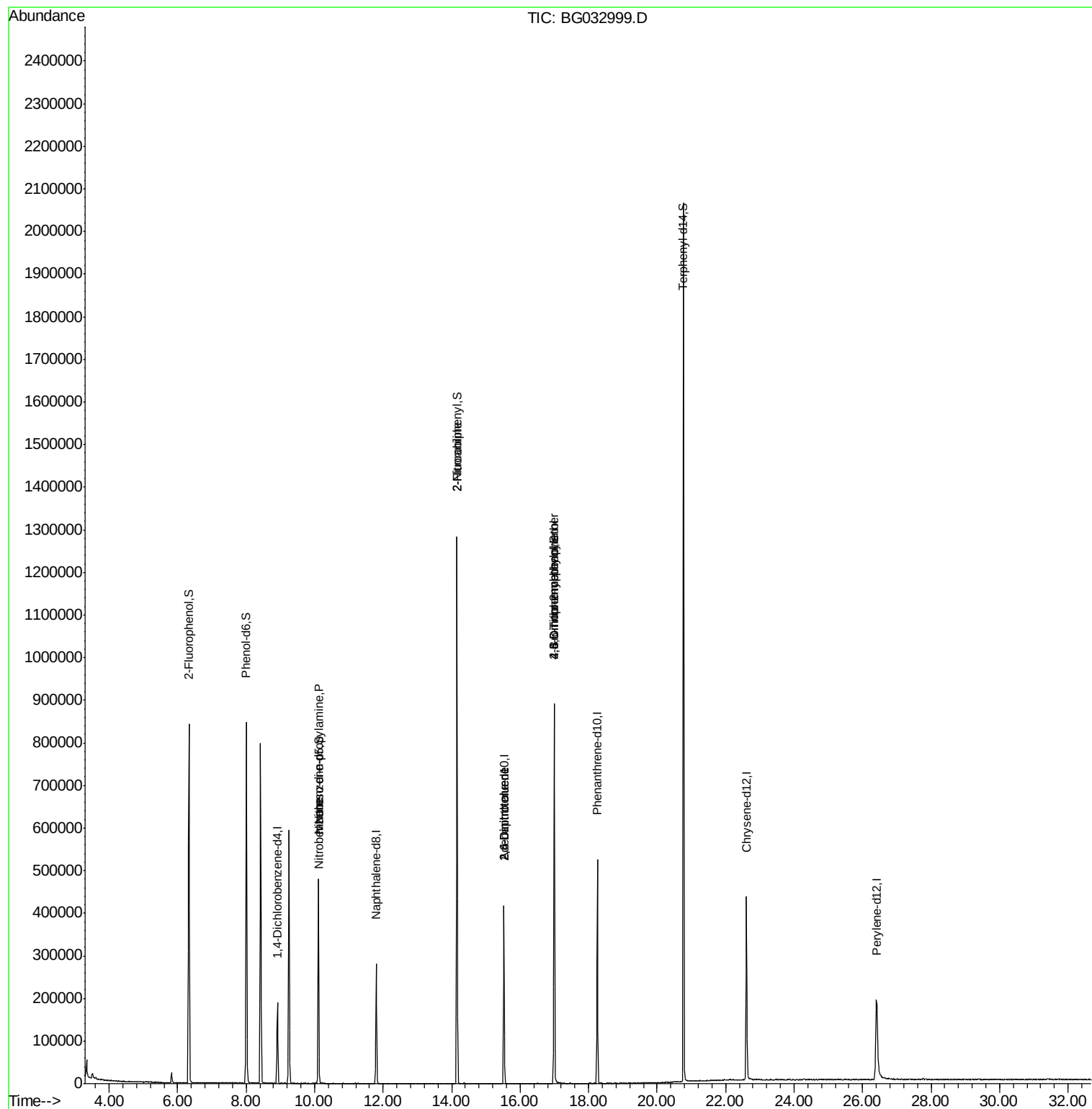
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.91  | 152  | 55234    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.80 | 136  | 246613   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 15.53 | 164  | 142004   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.25 | 188  | 316404   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.61 | 240  | 288422   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 26.41 | 264  | 290992   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.33  | 112  | 389211   | 112.74 | ng    | 0.00     |
| 7) Phenol-d6                   | 8.01  | 99   | 519734   | 108.00 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 10.11 | 82   | 299383   | 84.33  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 17.00 | 330  | 153249   | 102.64 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.15 | 172  | 672567   | 68.31  | ng    | -0.01    |
| 78) Terphenyl-d14              | 20.77 | 244  | 973137   | 75.80  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 10.11 | 70   | 37807    | 11.129 | ng    | # 84     |
| 24) Nitrobenzene               | 10.12 | 77   | 839      | 6.565  | ng    | # 42     |
| 47) 2-Nitroaniline             | 14.15 | 65   | 1132     | 10.221 | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 15.53 | 165  | 18216    | 16.334 | ng    | # 21     |
| 56) 2,4-Dinitrotoluene         | 15.53 | 165  | 18216    | 14.531 | ng    | # 19     |
| 64) 4,6-Dinitro-2-methylphenol | 17.00 | 198  | 449      | 5.552  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 17.00 | 248  | 10940    | 3.270  | ng    | # 1      |

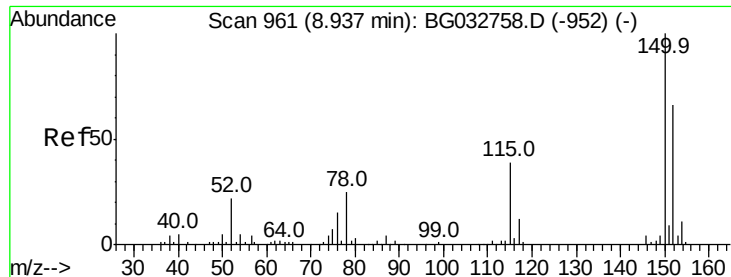
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 19 Sample Multiplier: 1

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BNA\_G  
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Quant Time: Mar 06 01:27:32 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 01 17:38:52 2018  
Response via : Initial Calibration



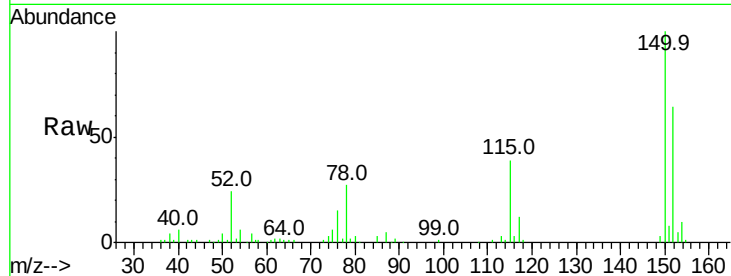


#1

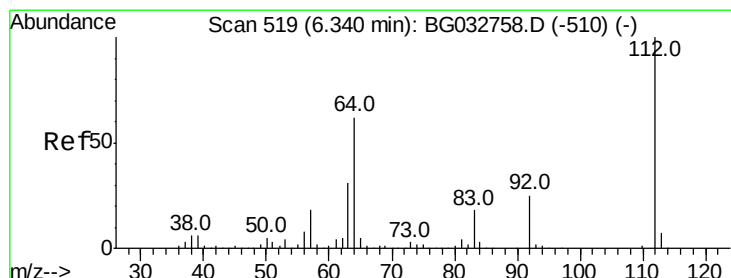
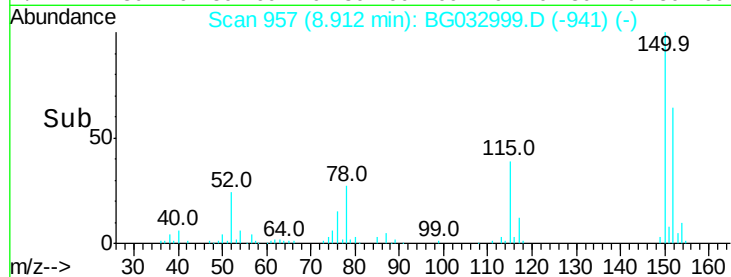
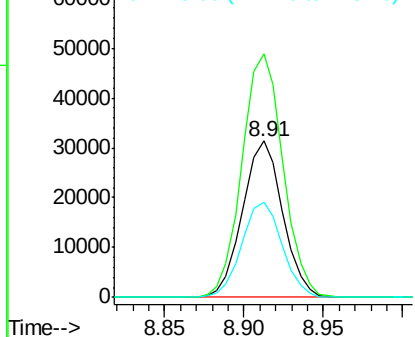
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.91 min Scan# 957  
Delta R.T. -0.01 min  
Lab File: BG032999.D  
Acq: 5 Mar 2018 20:59

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 55234  
Ion Ratio Lower Upper  
152 100  
150 156.0 126.6 189.8  
115 61.2 53.0 79.4



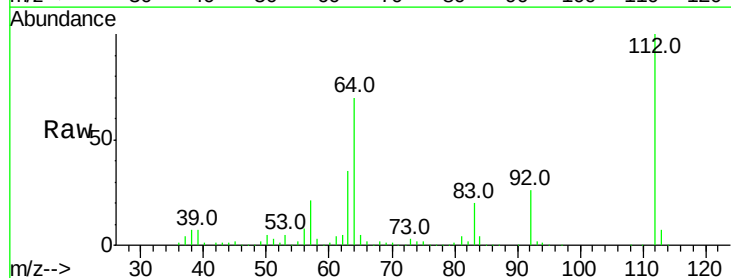
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



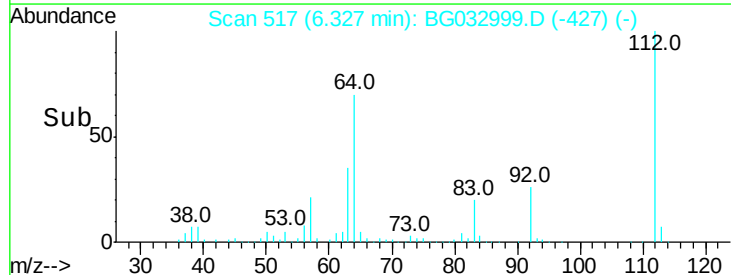
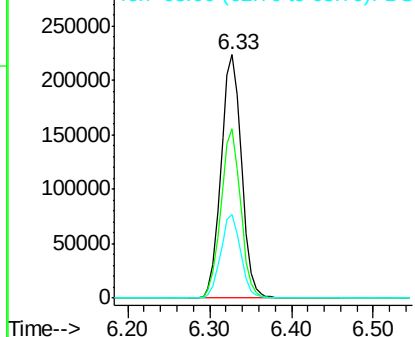
#5

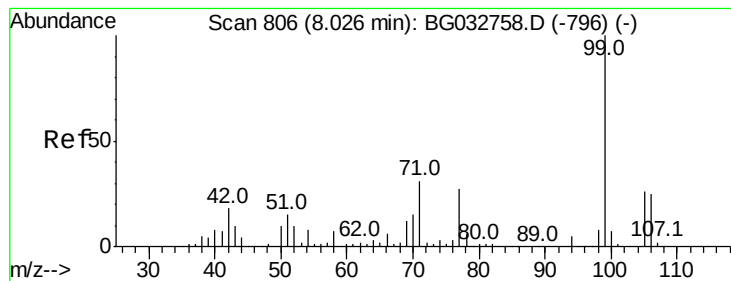
2-Fluorophenol  
Concen: 112.735 ng  
RT: 6.33 min Scan# 517  
Delta R.T. -0.00 min  
Lab File: BG032999.D  
Acq: 5 Mar 2018 20:59

Tgt Ion:112 Resp: 389211  
Ion Ratio Lower Upper  
112 100  
64 69.6 56.3 84.5  
63 34.6 30.1 45.1



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: 108.003 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032999.D

Acq: 5 Mar 2018 20:59

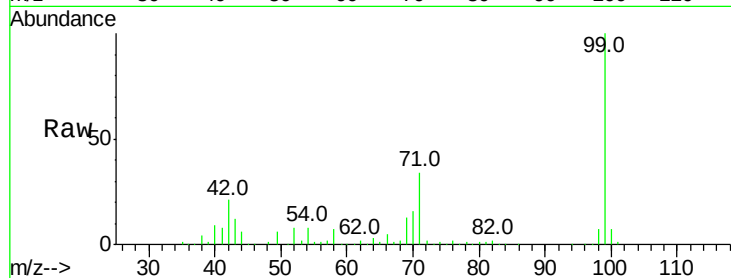
Instrument :

BNA\_G

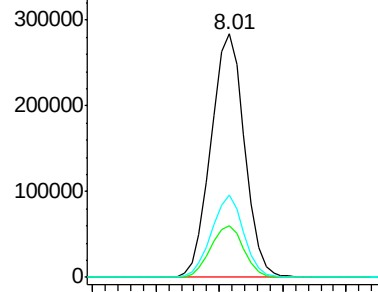
ClientSampleId :

Tot Ion: 99 Resp: 519734

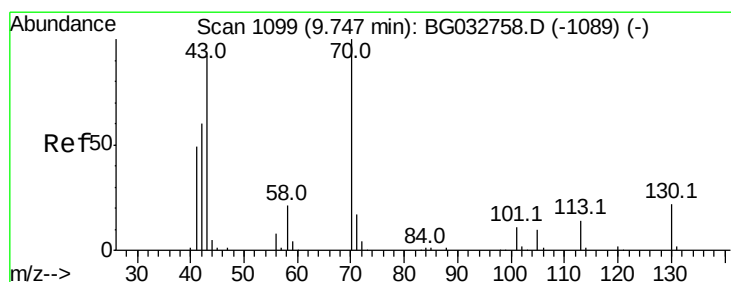
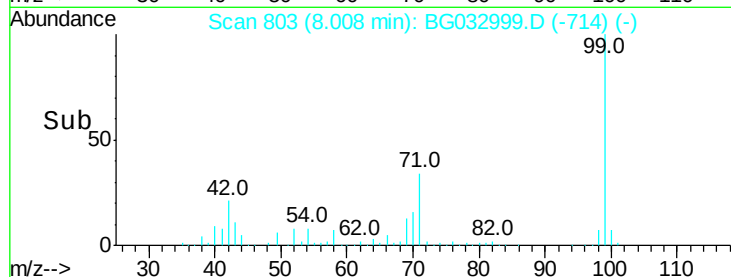
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.2  | 14.1  | 21.1# |
| 71  | 33.8  | 26.1  | 39.1  |



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



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 11.129 ng

RT: 10.11 min Scan# 1161

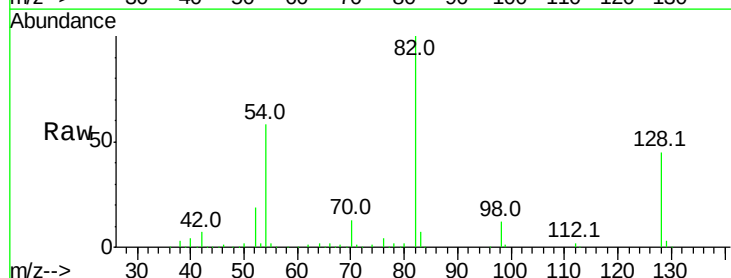
Delta R.T. 0.38 min

Lab File: BG032999.D

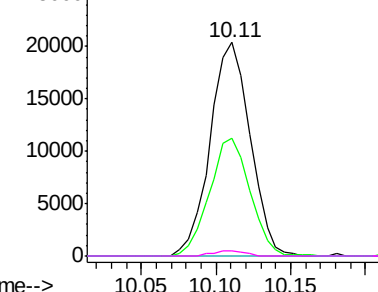
Acq: 5 Mar 2018 20:59

Tgt Ion: 70 Resp: 37807

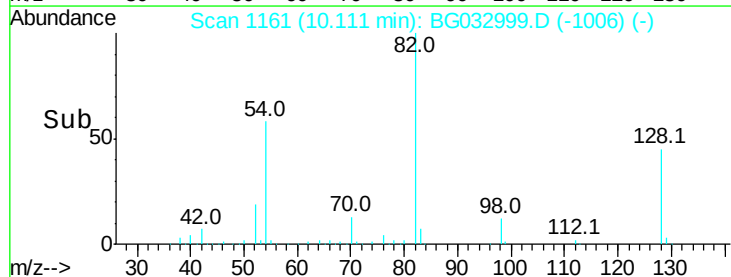
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 54.9  | 49.1  | 73.7  |
| 101 | 0.0   | 8.5   | 12.7# |
| 130 | 2.3   | 13.4  | 20.0# |

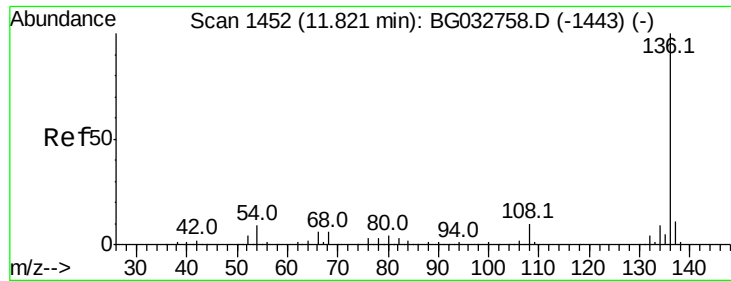


Abundance Ion 70.00 (69.70 to 70.70): BGC  
 Ion 42.00 (41.70 to 42.70): BGC  
 Ion 101.00 (100.70 to 101.70): BGC  
 Ion 130.00 (129.70 to 130.70): BGC



Time-->

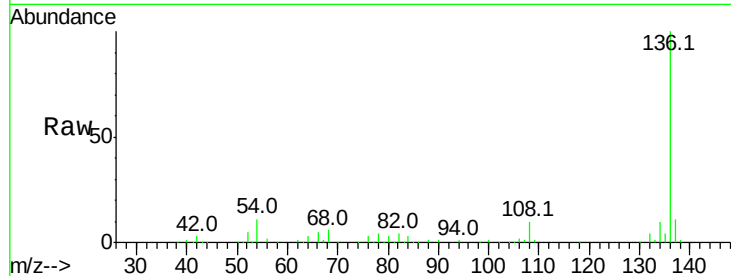




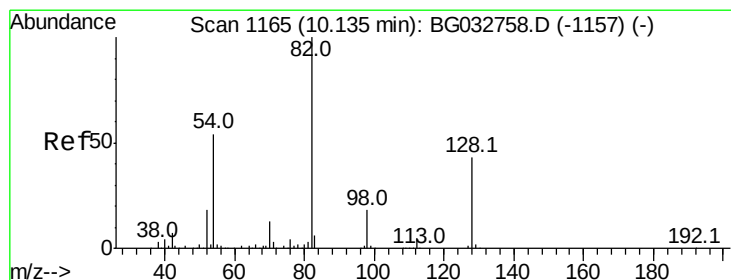
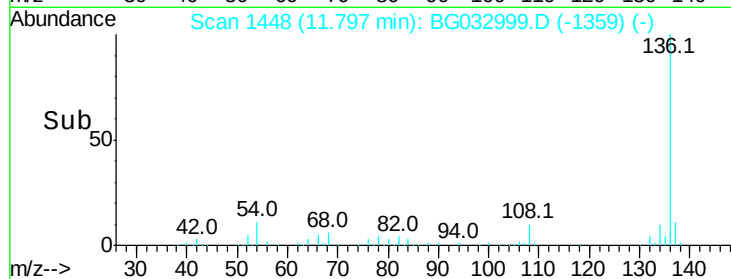
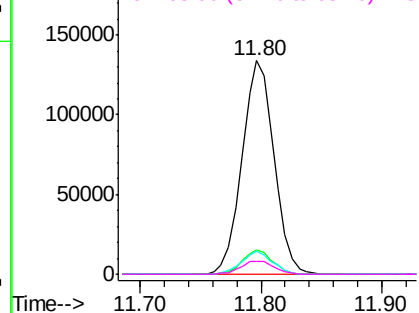
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.80 min Scan# 1448  
Delta R.T. -0.01 min  
Lab File: BG032999.D  
Acq: 5 Mar 2018 20:59

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 246613 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 9.2   | 13.8   |
| 54       | 10.8  | 10.3  | 15.5   |
| 68       | 6.2   | 4.5   | 6.7    |

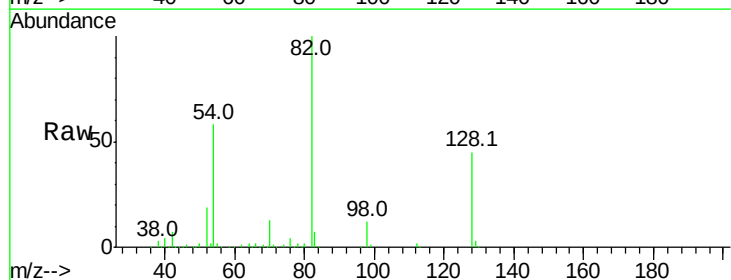


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

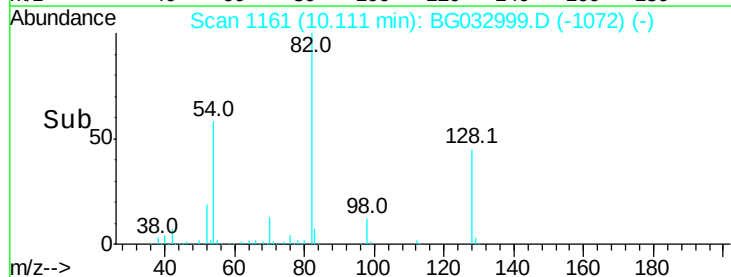
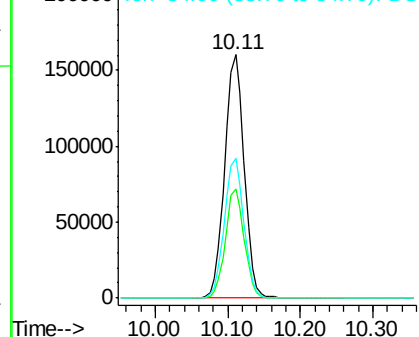


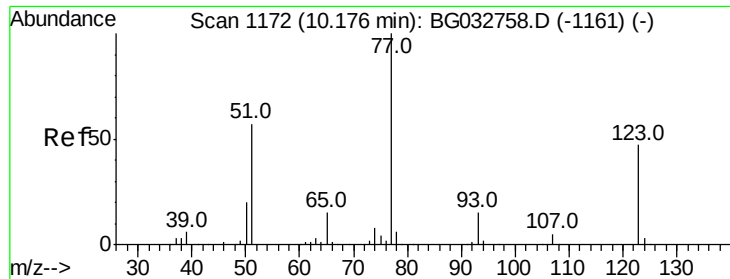
#23  
Nitrobenzene-d5  
Concen: 84.332 ng  
RT: 10.11 min Scan# 1161  
Delta R.T. -0.01 min  
Lab File: BG032999.D  
Acq: 5 Mar 2018 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 299383 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.1  | 29.7  | 44.5#  |
| 54       | 57.5  | 43.1  | 64.7   |



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

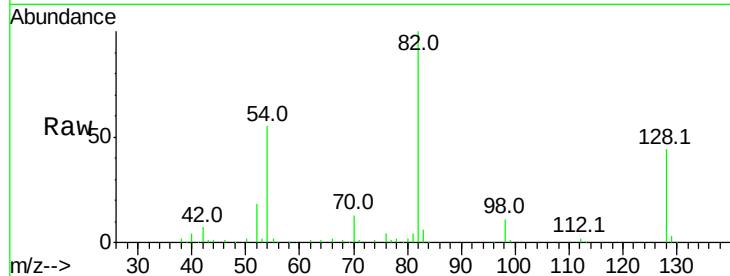




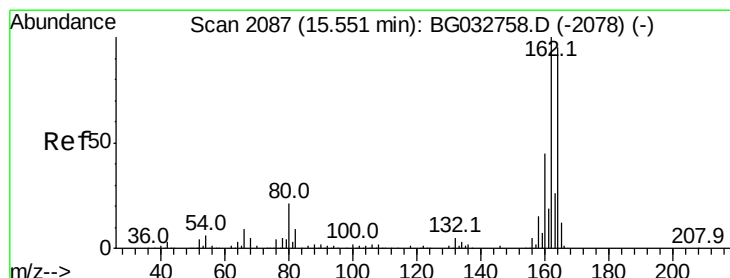
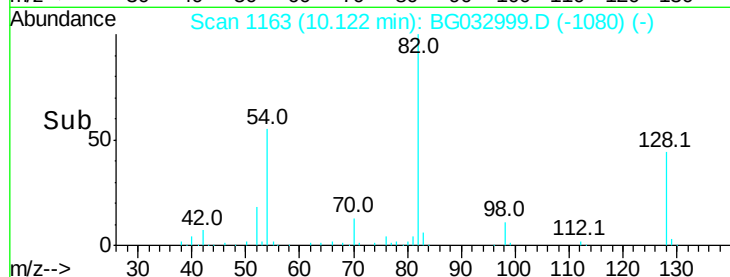
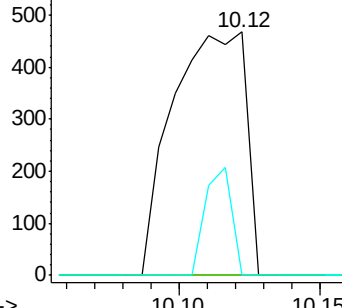
#24  
 Nitrobenzene  
 Concen: 6.565 ng  
 RT: 10.12 min Scan# 1163  
 Delta R.T. -0.04 min  
 Lab File: BG032999.D  
 Acq: 5 Mar 2018 20:59

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion: 77 Resp: 839  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 33.0 49.6#  
 65 0.0 13.0 19.6#

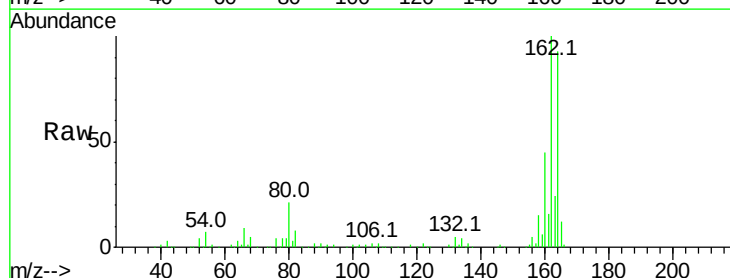


Abundance Ion 77.00 (76.70 to 77.70): BGC  
 Ion 123.00 (122.70 to 123.70): BGC  
 Ion 65.00 (64.70 to 65.70): BGC

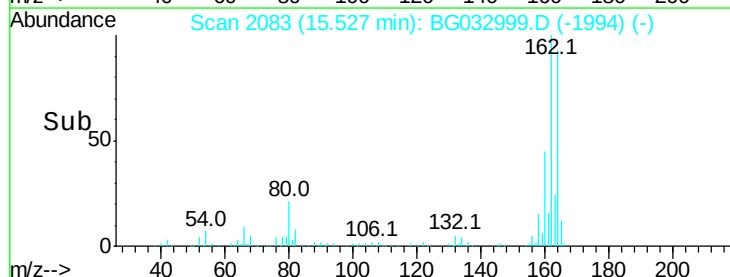
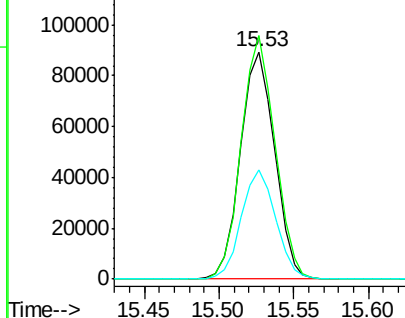


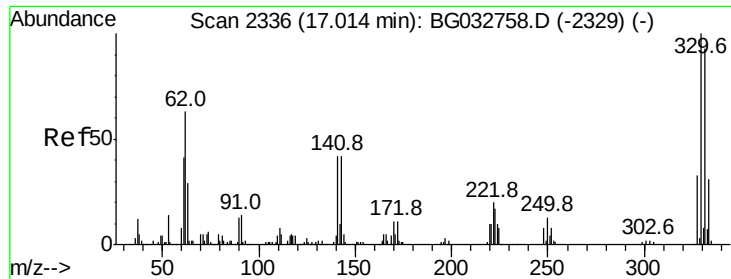
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.53 min Scan# 2083  
 Delta R.T. -0.01 min  
 Lab File: BG032999.D  
 Acq: 5 Mar 2018 20:59

Tgt Ion:164 Resp: 142004  
 Ion Ratio Lower Upper  
 164 100  
 162 107.0 78.8 118.2  
 160 48.3 35.4 53.0



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

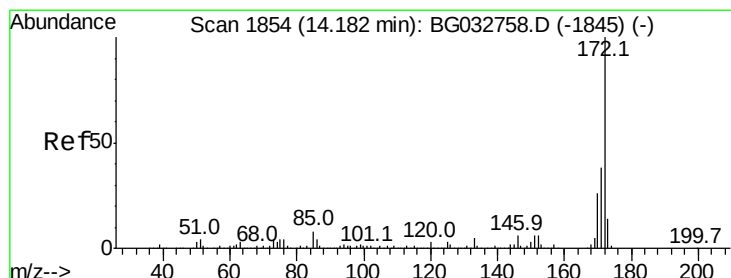
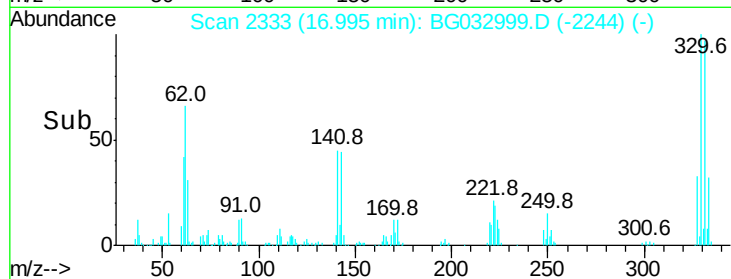
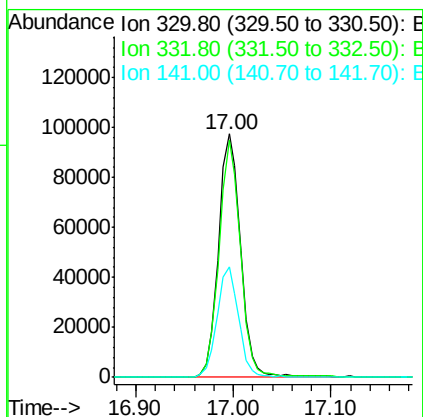
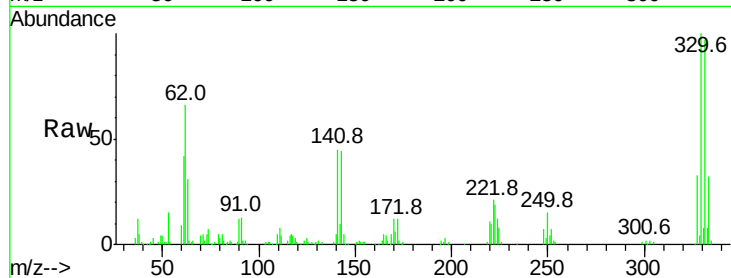




#41  
 2,4,6-Tribromophenol  
 Concen: 102.637 ng  
 RT: 17.00 min Scan# 2333  
 Delta R.T. -0.01 min  
 Lab File: BG032999.D  
 Acq: 5 Mar 2018 20:59

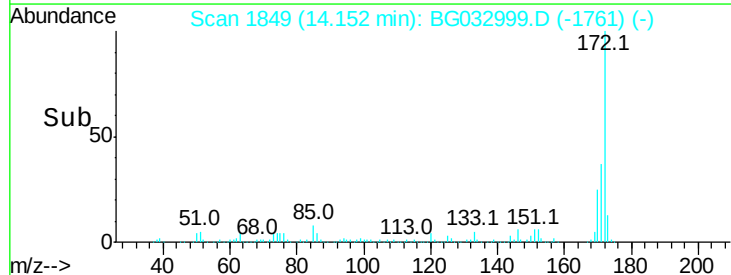
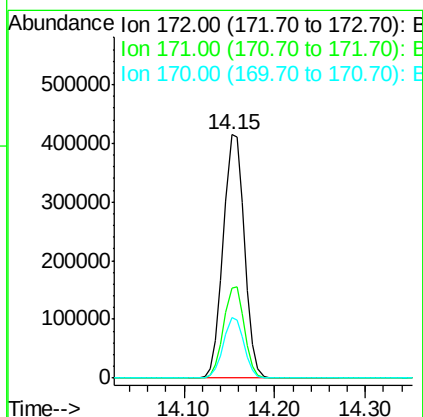
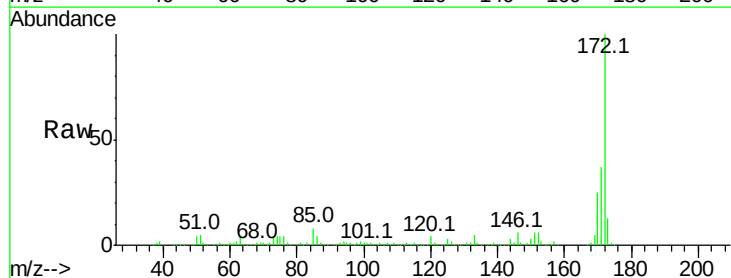
Instrument :  
 BNA\_G  
 ClientSampleId :

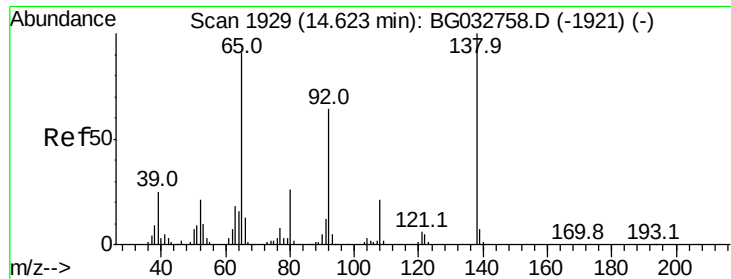
Tot Ion:330 Resp: 153249  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 77.0 115.6  
 141 43.8 25.2 37.8#



#44  
 2-Fluorobiphenyl  
 Concen: 68.309 ng  
 RT: 14.15 min Scan# 1849  
 Delta R.T. -0.01 min  
 Lab File: BG032999.D  
 Acq: 5 Mar 2018 20:59

Tgt Ion:172 Resp: 672567  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 30.0 45.0  
 170 24.8 19.5 29.3





#47

2-Nitroaniline

Concen: 10.221 ng

RT: 14.15 min Scan# 1849

Delta R.T. -0.46 min

Lab File: BG032999.D

Acq: 5 Mar 2018 20:59

Instrument :

BNA\_G

ClientSampled :

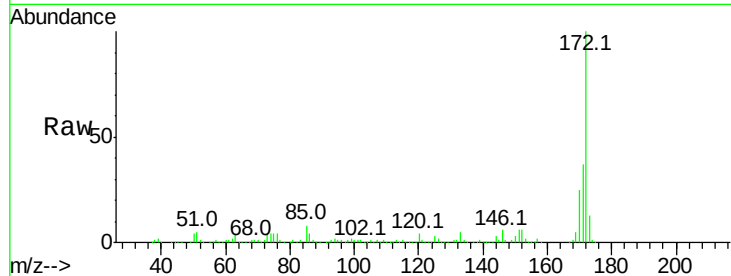
Tot Ion: 65 Resp: 1132

Ion Ratio Lower Upper

65 100

92 214.3 54.6 82.0#

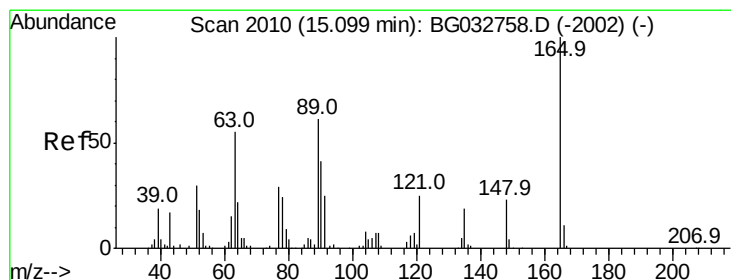
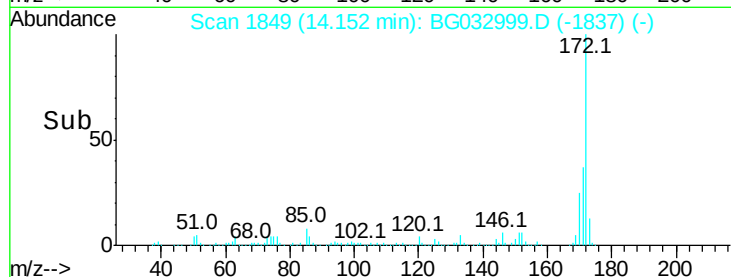
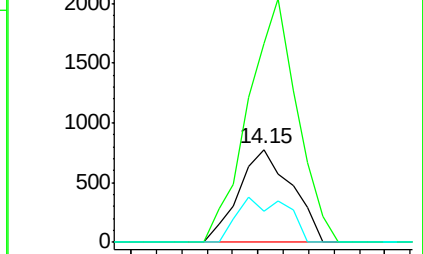
138 33.3 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.334 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG032999.D

Acq: 5 Mar 2018 20:59

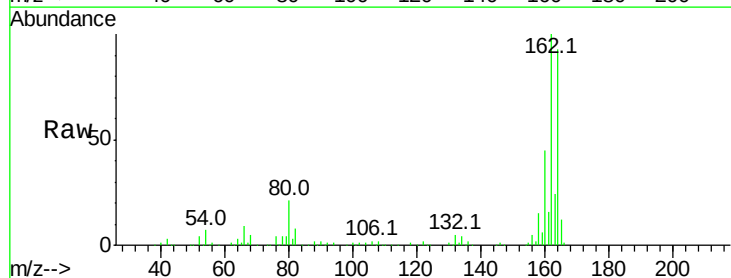
Tgt Ion:165 Resp: 18216

Ion Ratio Lower Upper

165 100

63 2.1 52.7 79.1#

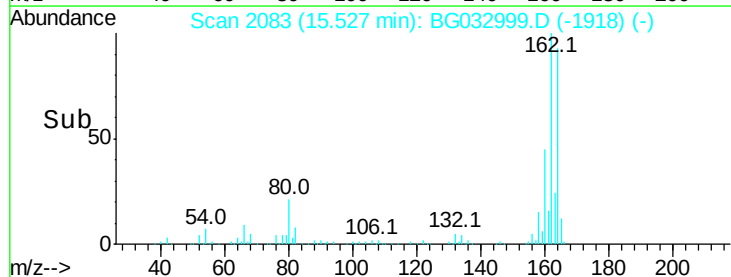
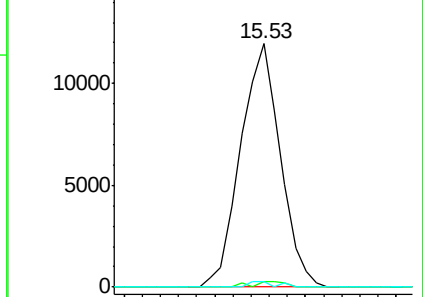
89 2.3 49.2 73.8#



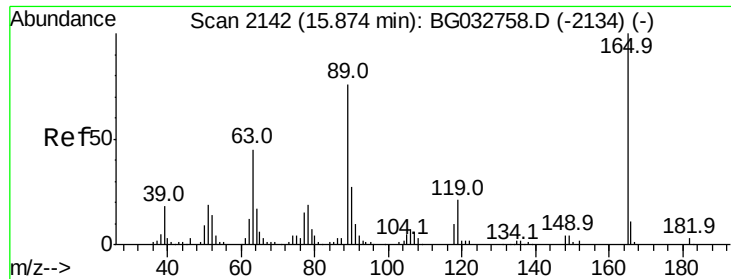
Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



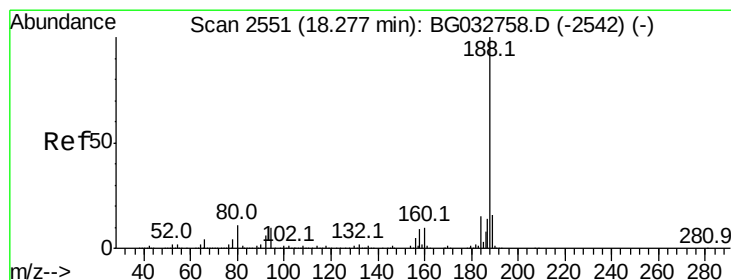
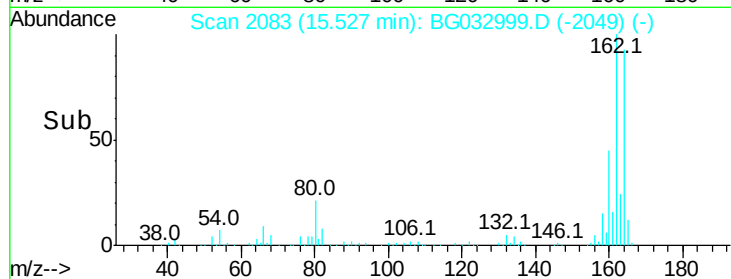
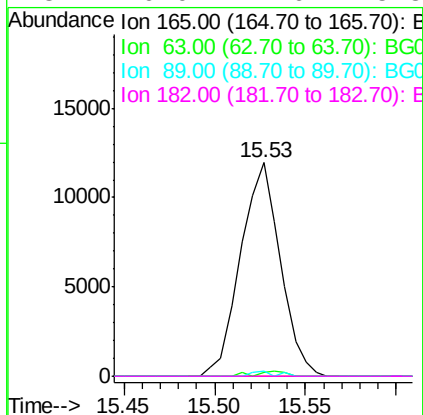
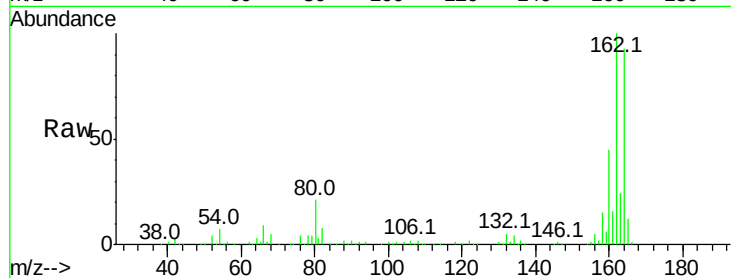




#56  
 2,4-Dinitrotoluene  
 Concen: 14.531 ng  
 RT: 15.53 min Scan# 2083  
 Delta R.T. -0.33 min  
 Lab File: BG032999.D  
 Acq: 5 Mar 2018 20:59

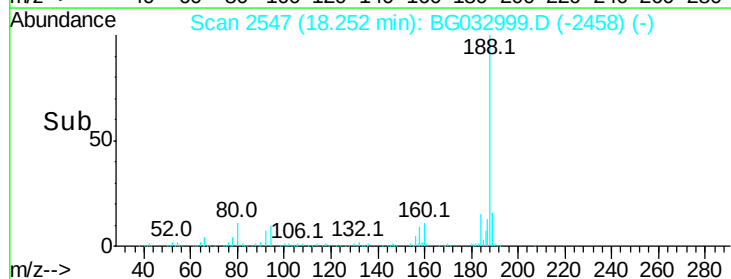
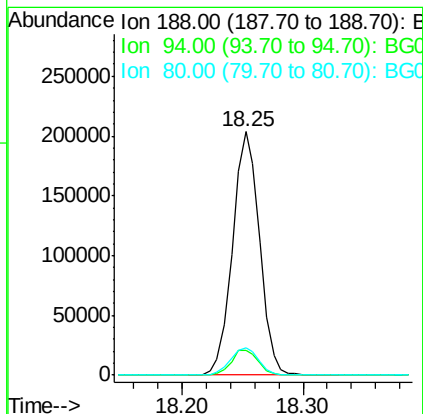
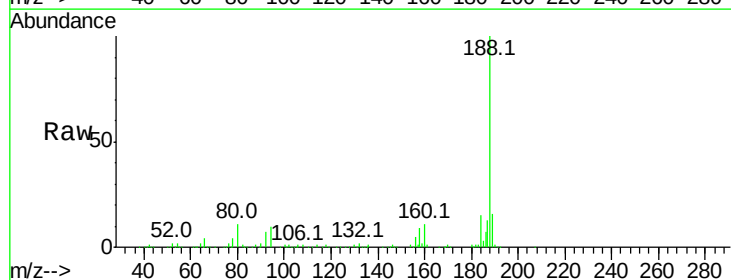
Instrument :  
 BNA\_G  
 ClientSampleId :

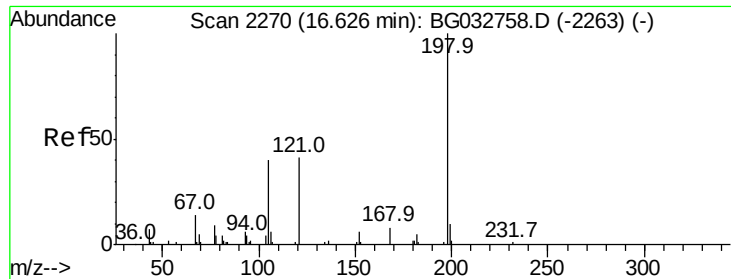
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 165   | Resp: | 18216  |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 2.1   | 42.0  | 63.0#  |
| 89       | 2.3   | 66.9  | 100.3# |
| 182      | 0.0   | 2.6   | 3.8#   |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.25 min Scan# 2547  
 Delta R.T. -0.01 min  
 Lab File: BG032999.D  
 Acq: 5 Mar 2018 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 316404 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.3  | 6.9   | 10.3   |
| 80       | 11.2  | 7.7   | 11.5   |

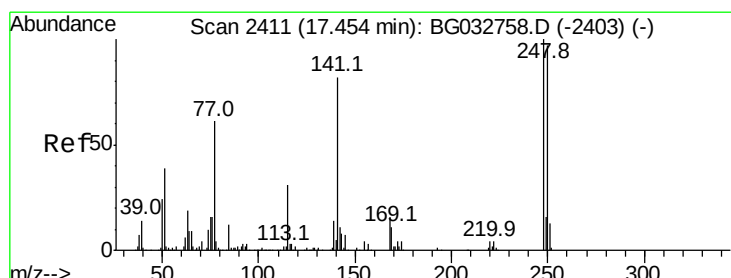
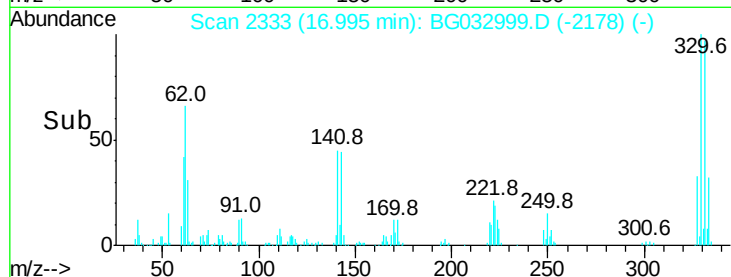
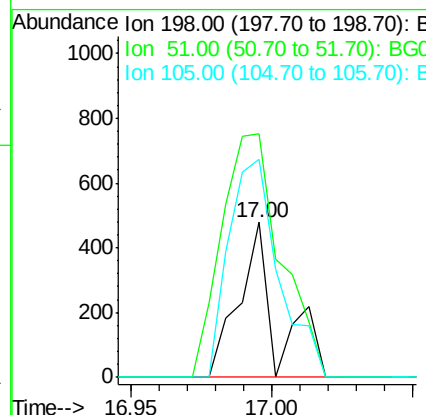
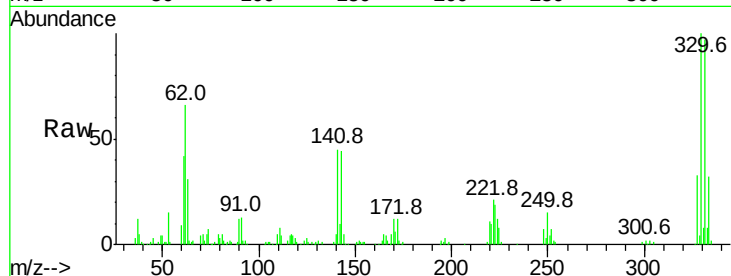




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.552 ng  
 RT: 17.00 min Scan# 2333  
 Delta R.T. 0.38 min  
 Lab File: BG032999.D  
 Acq: 5 Mar 2018 20:59

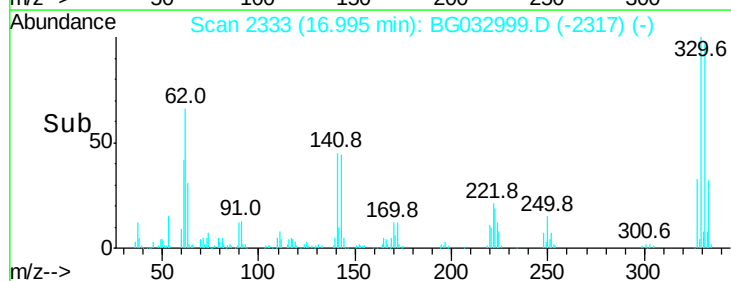
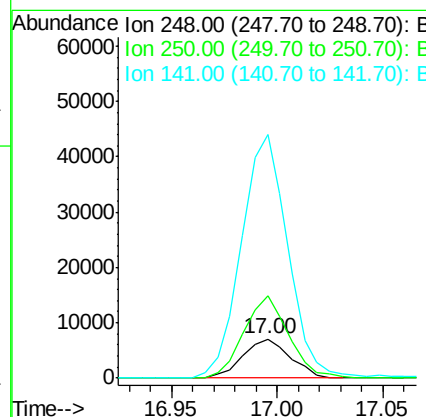
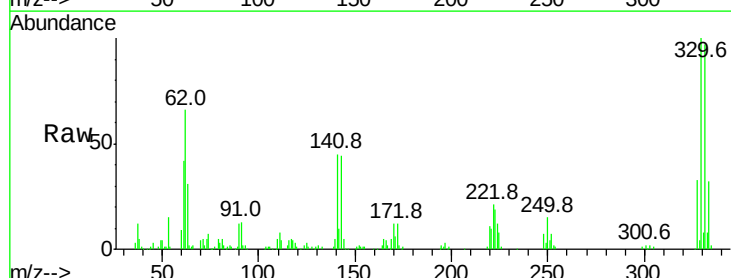
Instrument :  
 BNA\_G  
 ClientSampleId :

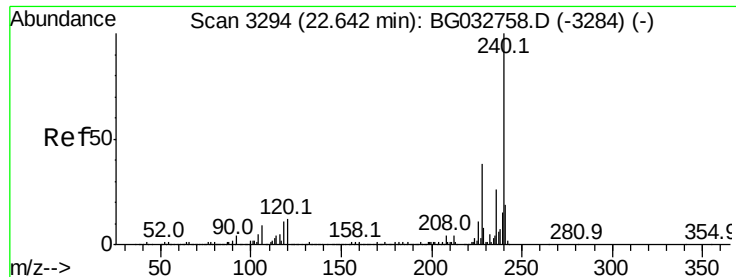
Tot Ion:198 Resp: 449  
 Ion Ratio Lower Upper  
 198 100  
 51 157.0 30.6 70.6#  
 105 140.7 23.8 63.8#



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.270 ng  
 RT: 17.00 min Scan# 2333  
 Delta R.T. -0.44 min  
 Lab File: BG032999.D  
 Acq: 5 Mar 2018 20:59

Tgt Ion:248 Resp: 10940  
 Ion Ratio Lower Upper  
 248 100  
 250 209.0 77.1 115.7#  
 141 621.3 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG032999.D

Acq: 5 Mar 2018 20:59

Instrument :

BNA\_G

ClientSampleId :

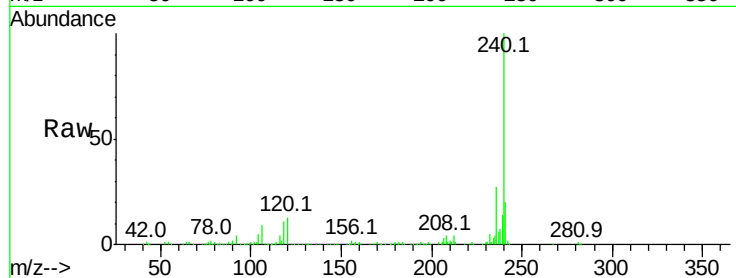
Tot Ion:240 Resp: 288422

Ion Ratio Lower Upper

240 100

120 12.7 6.8 10.2#

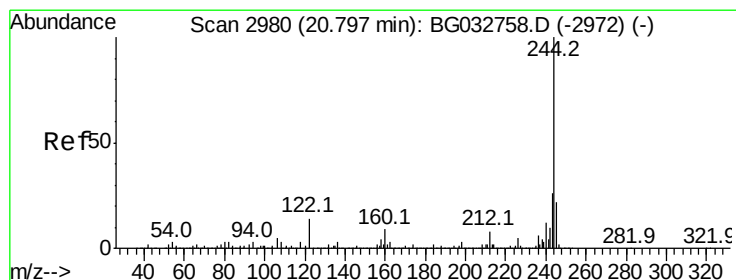
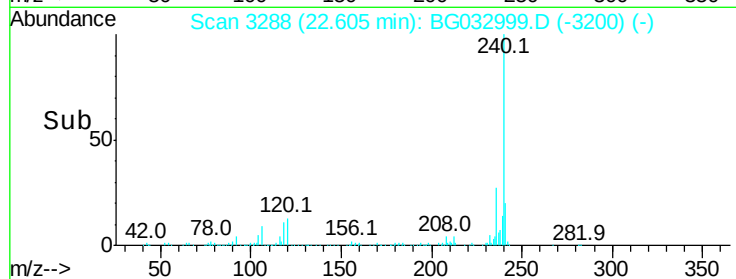
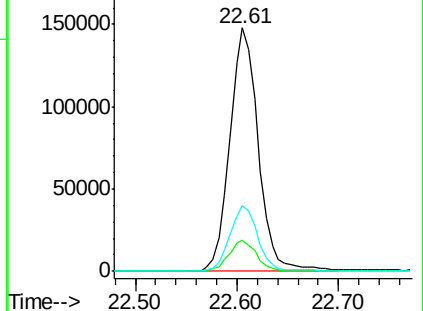
236 27.0 20.9 31.3



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: 75.805 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032999.D

Acq: 5 Mar 2018 20:59

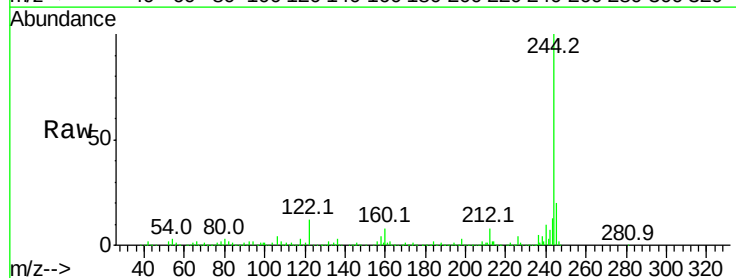
Tgt Ion:244 Resp: 973137

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

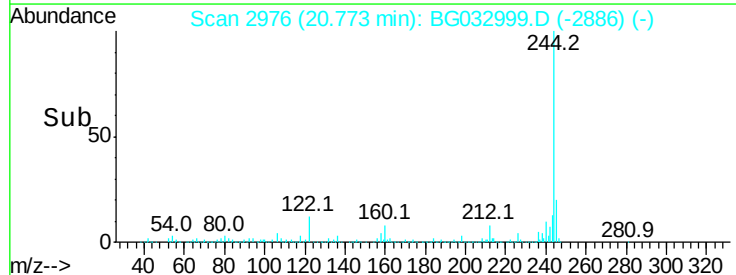
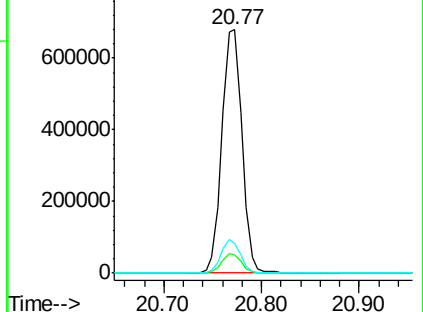
122 12.5 7.0 10.4#

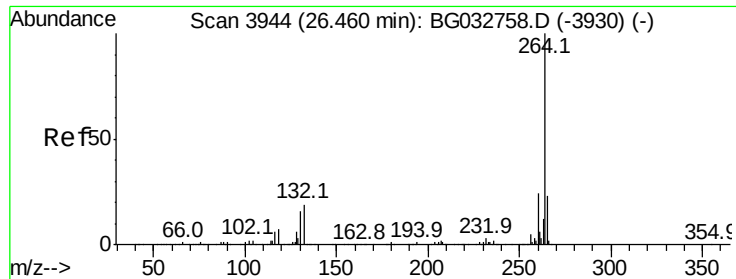


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.41 min Scan# 3935  
Delta R.T. -0.02 min  
Lab File: BG032999.D  
Acq: 5 Mar 2018 20:59

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.7  | 17.4  | 26.0  |
| 265     | 22.1  | 17.7  | 26.5  |

