

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\  
 Data File : BG033348.D  
 Acq On : 27 Mar 2018 2:47  
 Operator : SJ/JU  
 Sample : J1748-12  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 27 07:52:16 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 15:11:46 2018  
 Response via : Initial Calibration

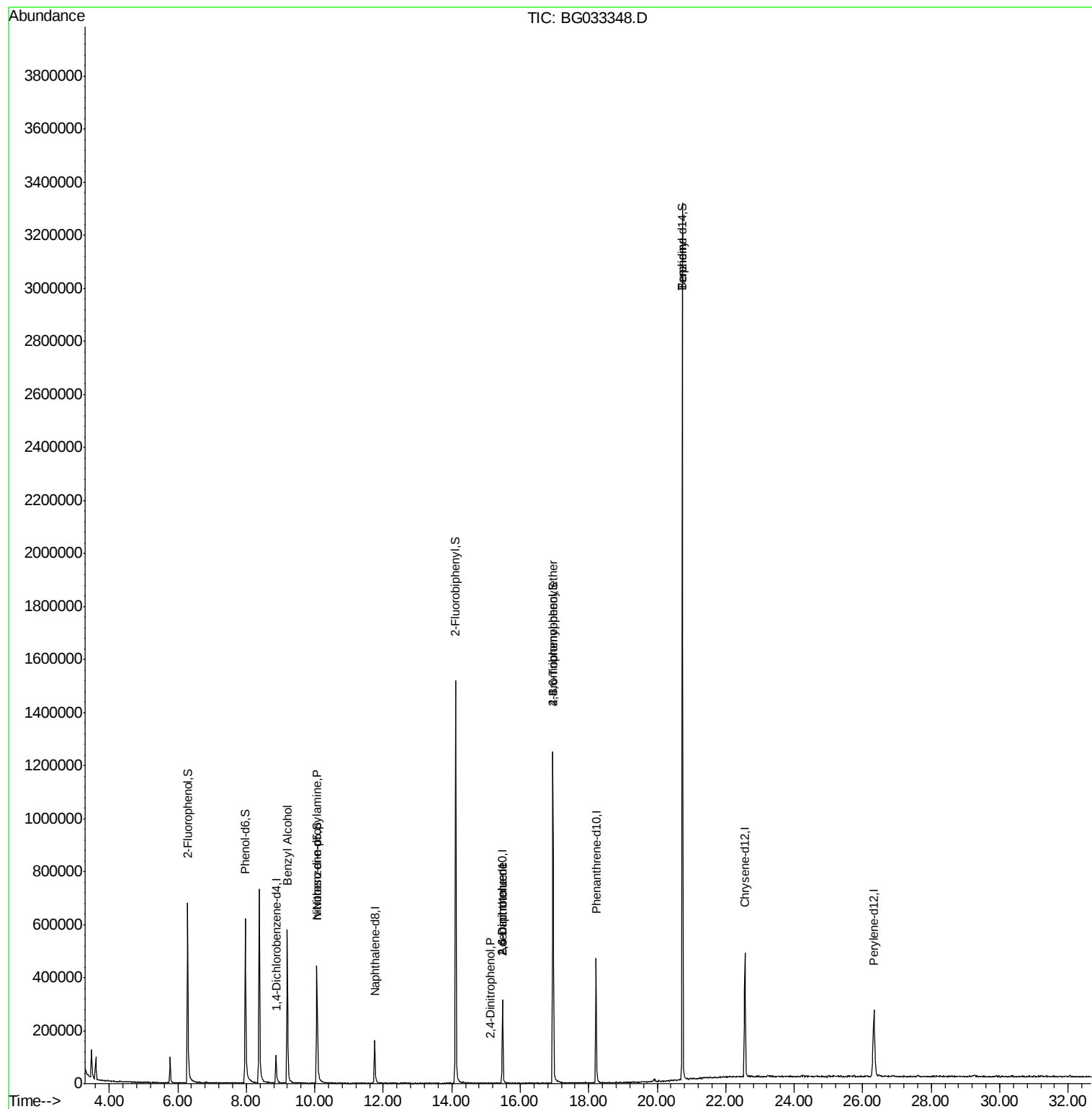
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.87  | 152  | 39532    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 11.75 | 136  | 159791   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 15.48 | 164  | 123258   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 18.21 | 188  | 334492   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 22.56 | 240  | 352109   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12               | 26.33 | 264  | 370335   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.29  | 112  | 325169   | 154.24 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.97  | 99   | 453433   | 125.18 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 10.07 | 82   | 358840   | 103.18 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 16.96 | 330  | 268762   | 145.79 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 14.11 | 172  | 889253   | 104.15 | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.73 | 244  | 1653544  | 100.43 | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 9.20  | 79   | 6544     | 2.295  | ng    | # 65     |
| 19) n-Nitroso-di-n-propylamine | 10.07 | 70   | 46373    | 17.471 | ng    | # 82     |
| 50) 2,6-Dinitrotoluene         | 15.48 | 165  | 15450    | 7.044  | ng    | # 18     |
| 53) 2,4-Dinitrophenol          | 15.13 | 184  | 71       | 7.699  | ng    | # 1      |
| 56) 2,4-Dinitrotoluene         | 15.48 | 165  | 15528    | 4.808  | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 16.96 | 248  | 20571    | 5.237  | ng    | # 1      |
| 76) Benzydine                  | 20.73 | 184  | 27504    | 2.880  | ng    | # 93     |

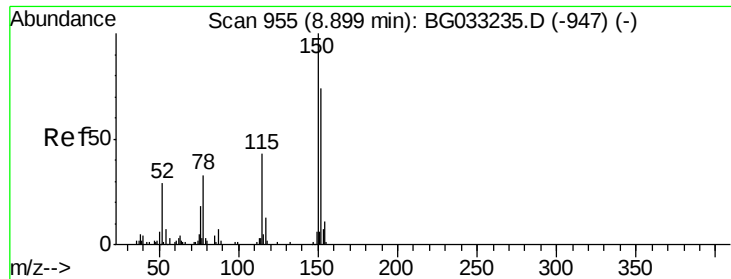
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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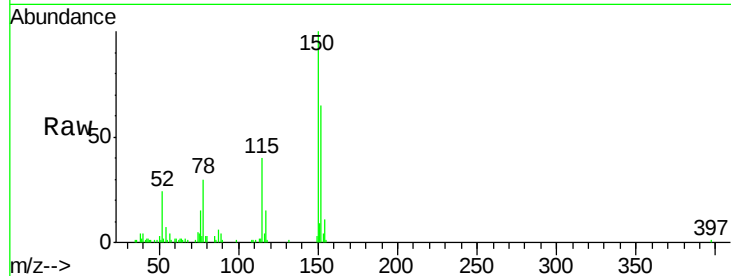


#1

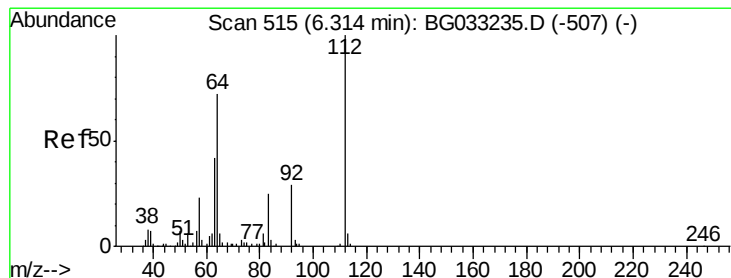
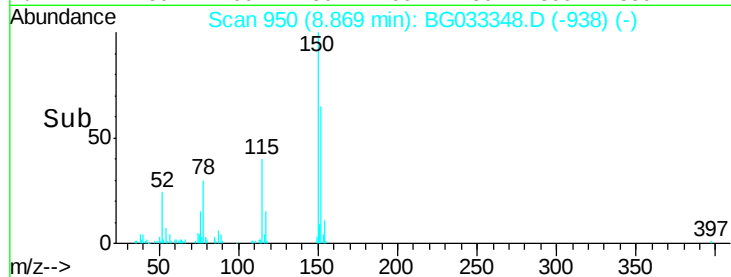
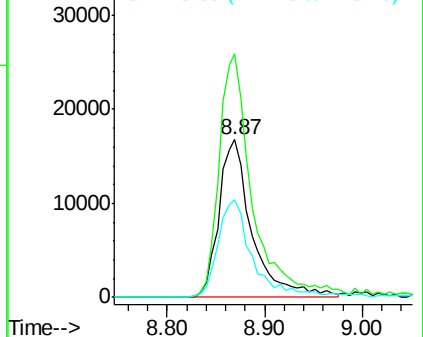
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.87 min Scan# 950  
Delta R.T. -0.03 min  
Lab File: BG033348.D  
Acq: 27 Mar 2018 2:47

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.8 | 126.6 | 189.8 |
| 115     | 62.2  | 53.0  | 79.4  |



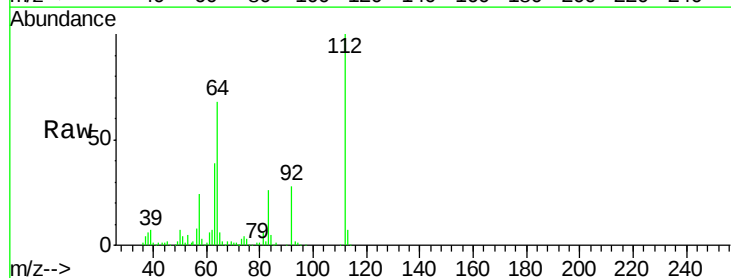
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



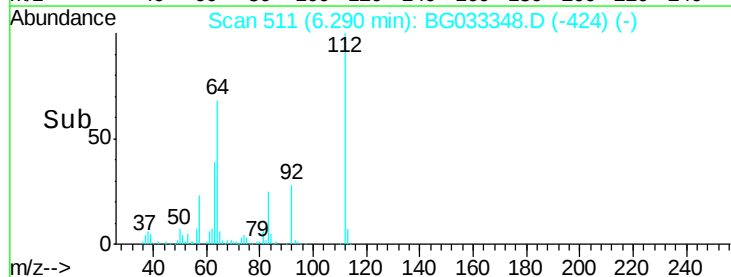
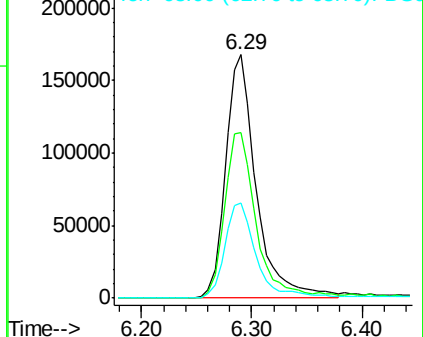
#5

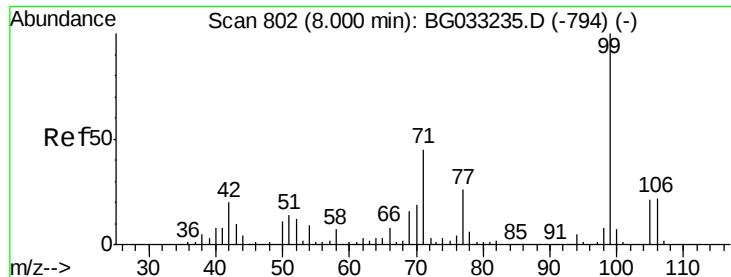
2-Fluorophenol  
Concen: 154.237 ng  
RT: 6.29 min Scan# 511  
Delta R.T. -0.02 min  
Lab File: BG033348.D  
Acq: 27 Mar 2018 2:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.1  | 56.3  | 84.5  |
| 63      | 39.3  | 30.1  | 45.1  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 125.175 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033348.D

Acq: 27 Mar 2018 2:47

Instrument :

BNA\_G

ClientSampled :

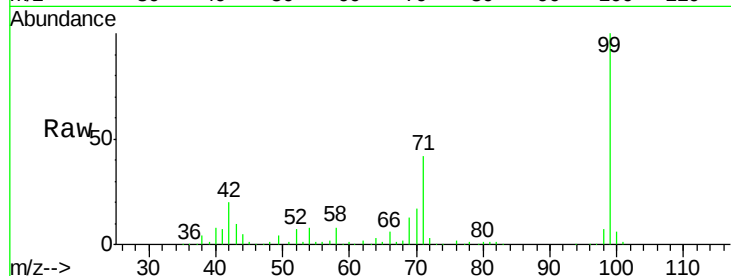
Tot Ion: 99 Resp: 453433

Ion Ratio Lower Upper

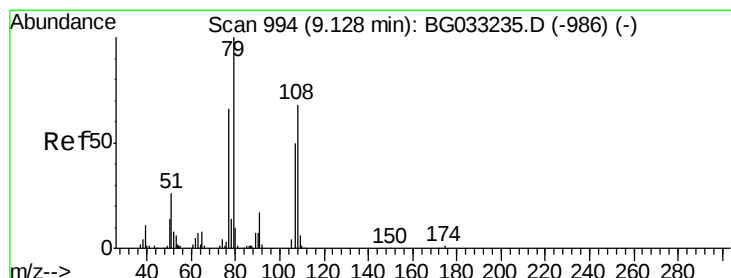
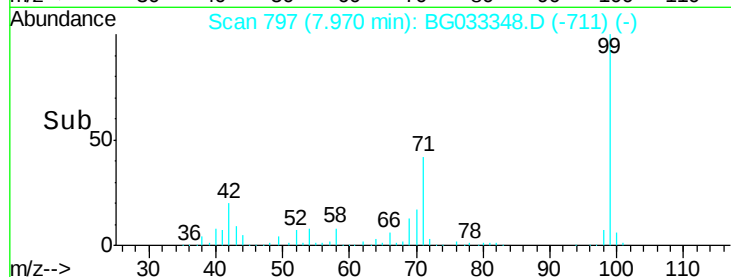
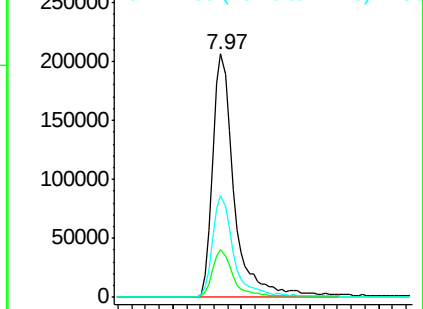
99 100

42 19.8 14.1 21.1

71 41.7 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



#15

Benzyl Alcohol

Concen: 2.295 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.07 min

Lab File: BG033348.D

Acq: 27 Mar 2018 2:47

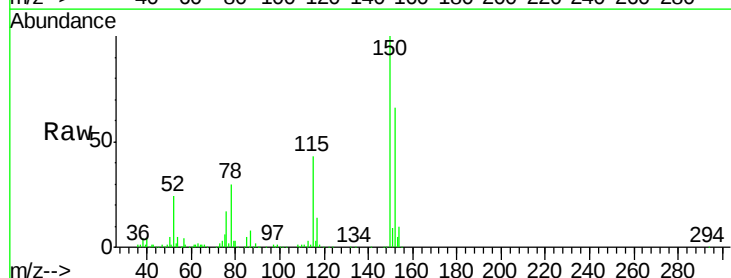
Tgt Ion: 79 Resp: 6544

Ion Ratio Lower Upper

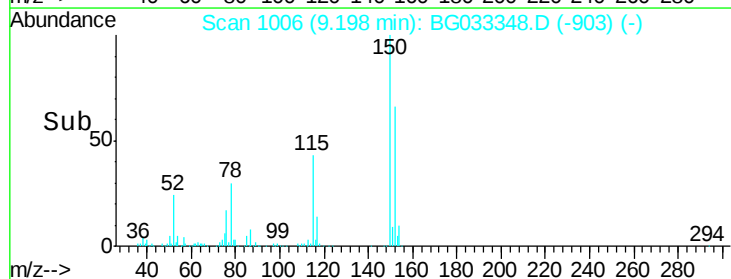
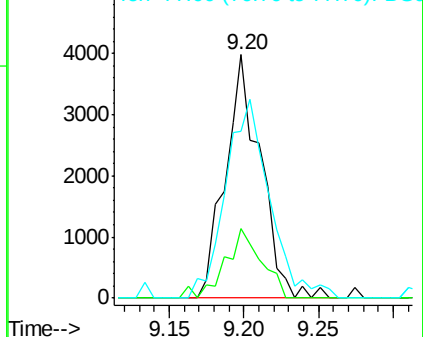
79 100

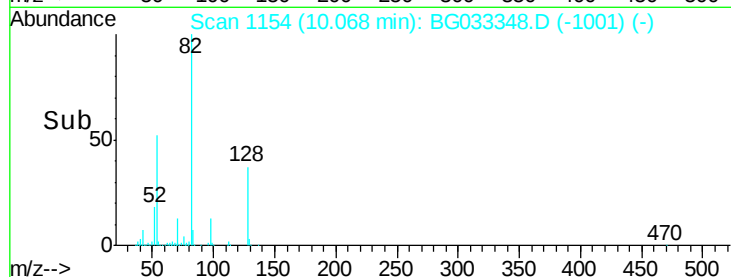
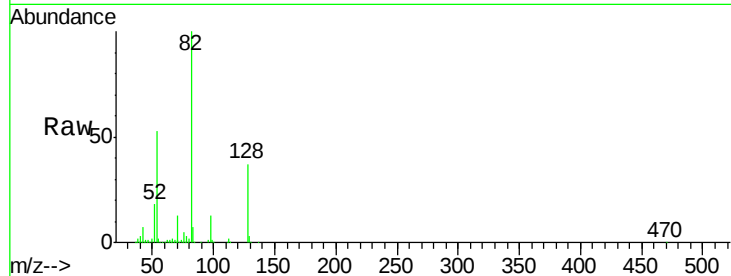
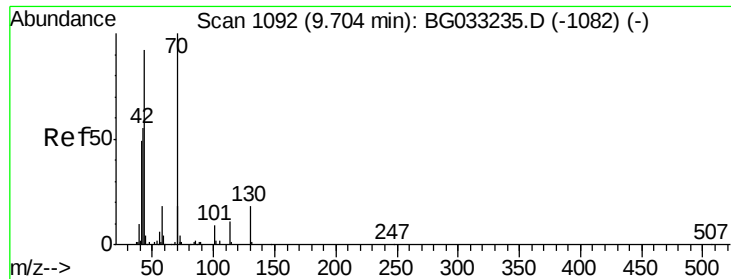
108 28.3 57.2 85.8#

77 68.3 46.1 69.1



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

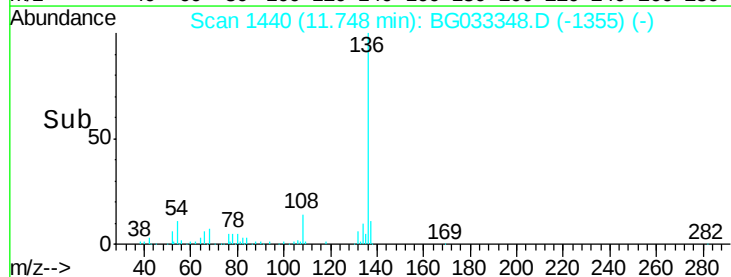
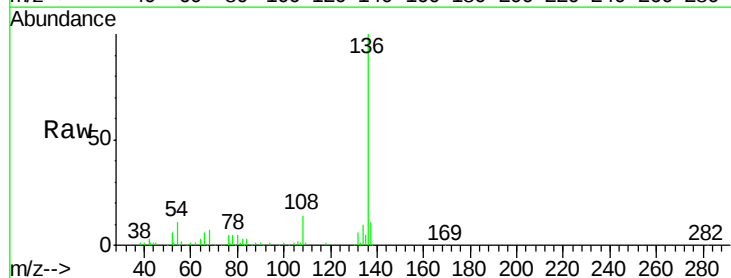
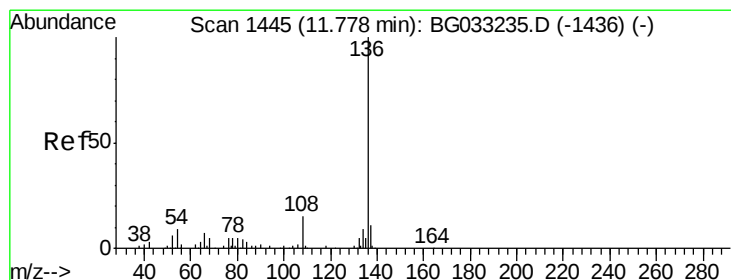
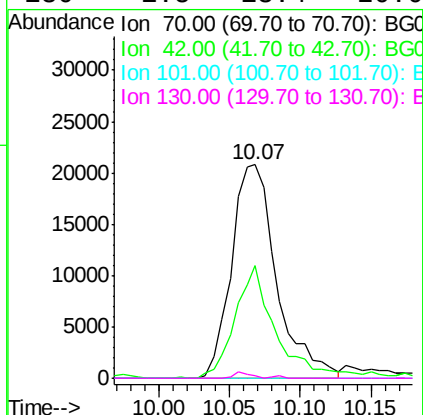




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.471 ng  
RT: 10.07 min Scan# 1154  
Delta R.T. 0.37 min  
Lab File: BG033348.D  
Acq: 27 Mar 2018 2:47

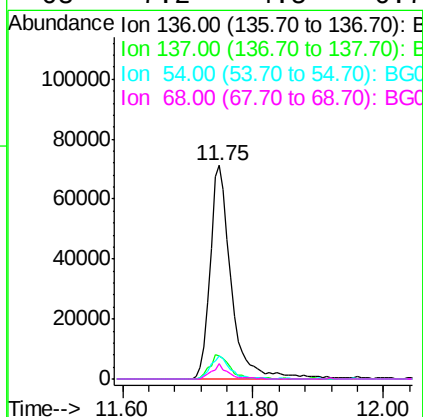
Instrument :  
BNA\_G  
ClientSampleId :

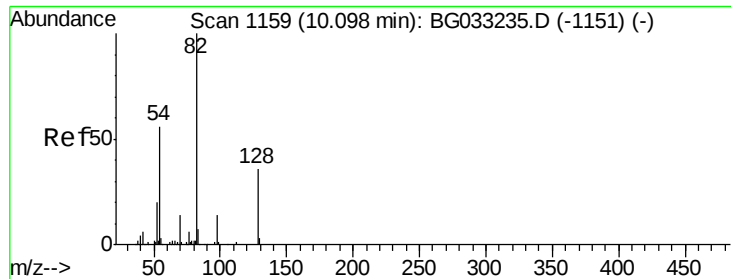
| Tot Ion   | 70    | Resp  | 46373 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 52.5  | 49.1  | 73.7  |
| 101       | 0.0   | 8.5   | 12.7# |
| 130       | 1.5   | 13.4  | 20.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.75 min Scan# 1440  
Delta R.T. -0.03 min  
Lab File: BG033348.D  
Acq: 27 Mar 2018 2:47

| Tgt Ion   | 136   | Resp  | 159791 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.6  | 9.2   | 13.8   |
| 54        | 10.7  | 10.3  | 15.5   |
| 68        | 7.2   | 4.5   | 6.7#   |

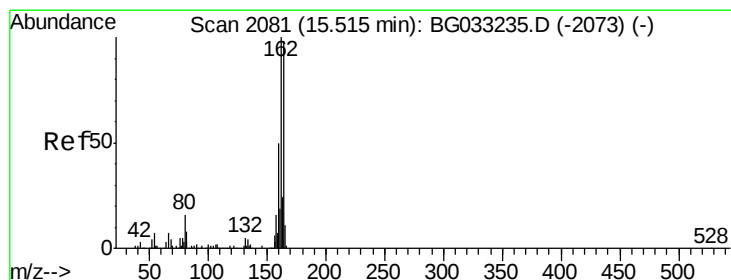
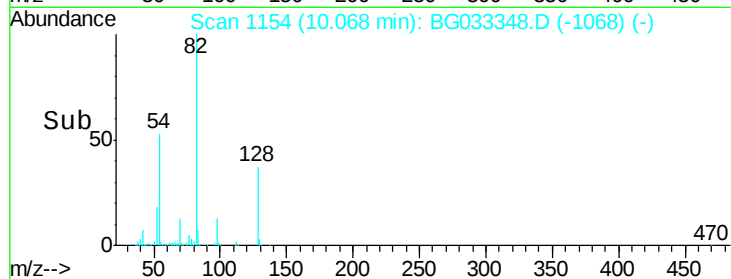
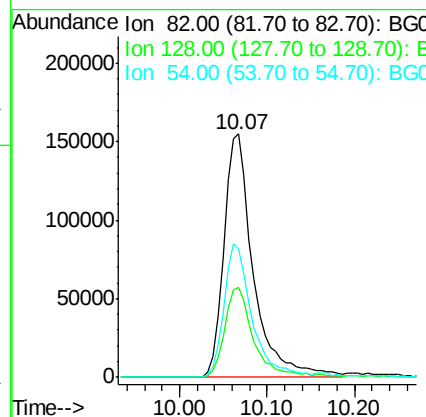
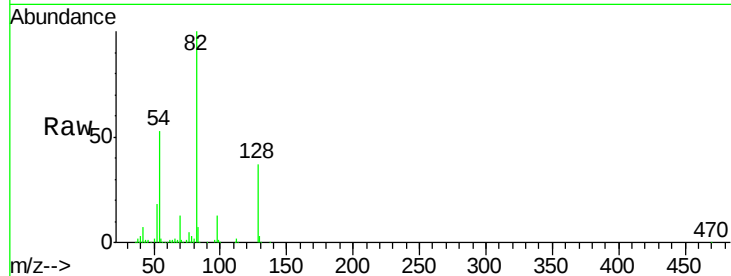




#23  
 Nitrobenzene-d5  
 Concen: 103.176 ng  
 RT: 10.07 min Scan# 1154  
 Delta R.T. -0.03 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

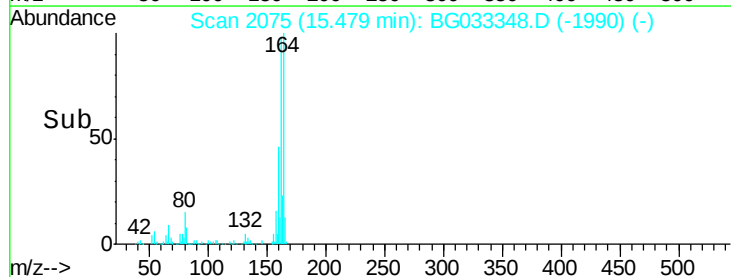
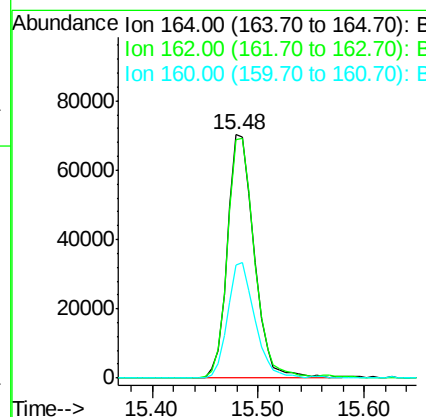
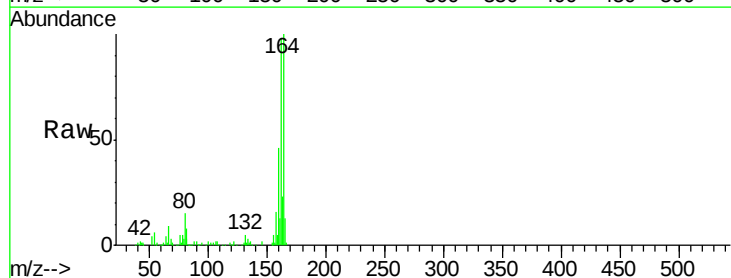
Instrument :  
 BNA\_G  
 ClientSampleId :

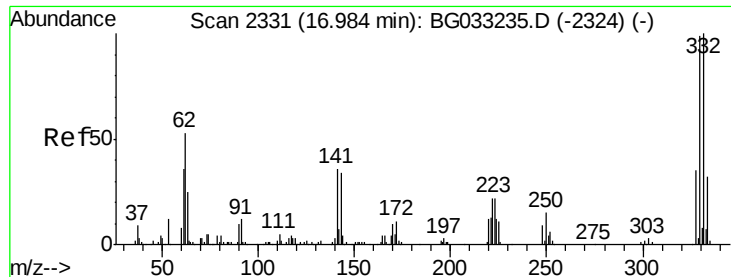
| Tot Ion   | 82    | Resp  | 358840 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.9  | 29.7  | 44.5   |
| 54        | 52.6  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. -0.03 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

| Tgt Ion   | 164   | Resp  | 123258 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 97.7  | 78.8  | 118.2  |
| 160       | 46.4  | 35.4  | 53.0   |

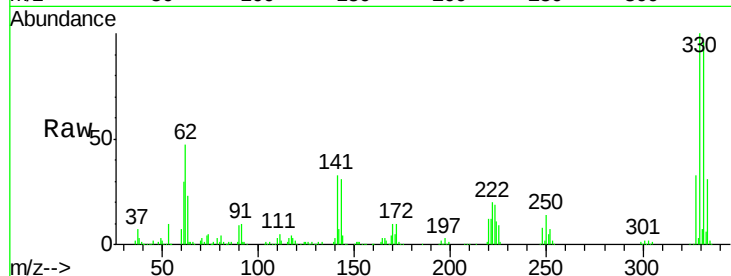




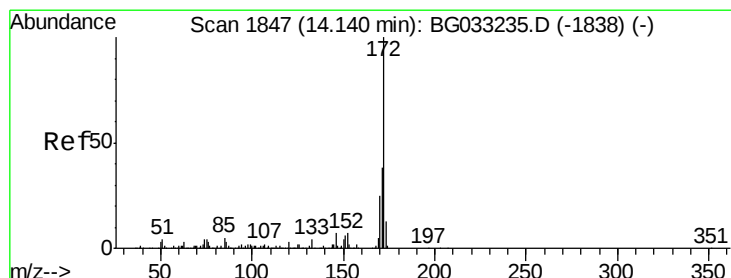
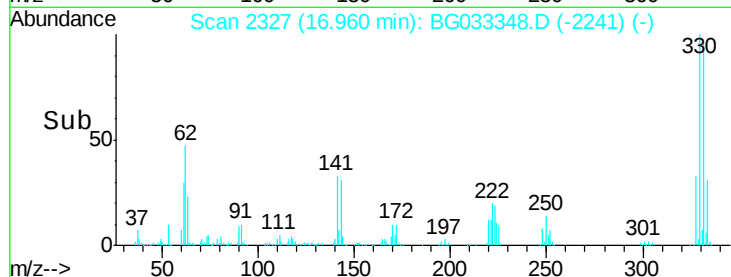
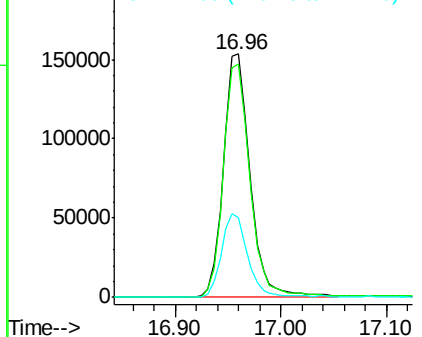
#41  
 2,4,6-Tribromophenol  
 Concen: 145.792 ng  
 RT: 16.96 min Scan# 2327  
 Delta R.T. -0.03 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.0  | 115.6 |
| 141     | 34.6  | 25.2  | 37.8  |

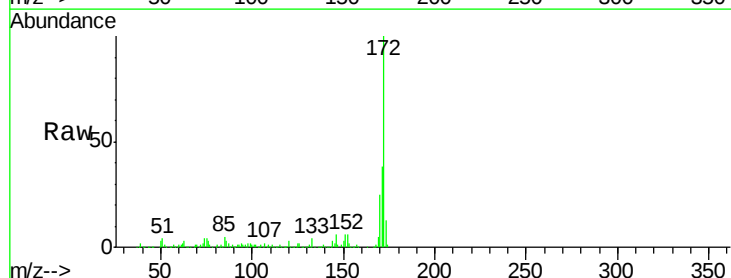


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

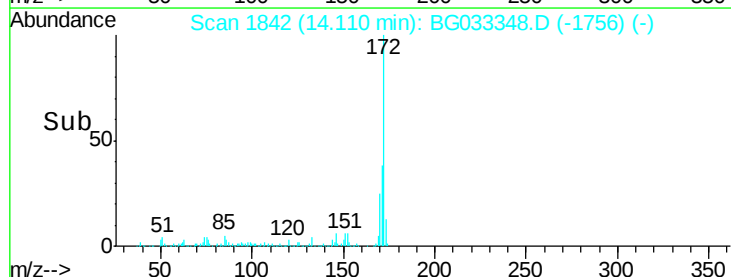
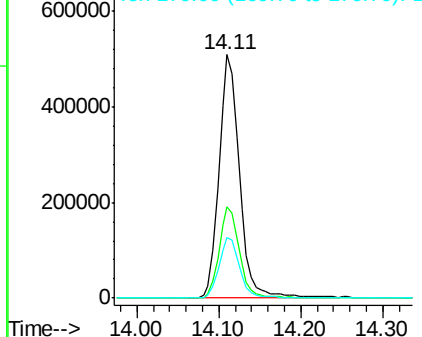


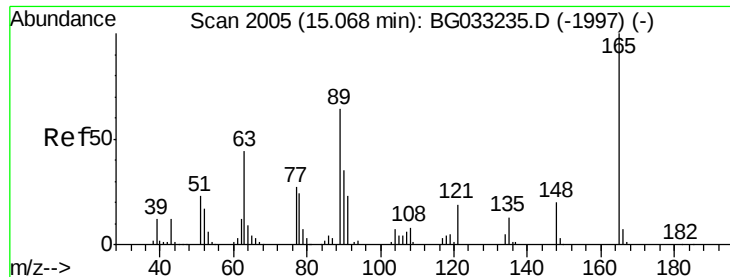
#44  
 2-Fluorobiphenyl  
 Concen: 104.152 ng  
 RT: 14.11 min Scan# 1842  
 Delta R.T. -0.03 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 30.0  | 45.0  |
| 170     | 24.7  | 19.5  | 29.3  |



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

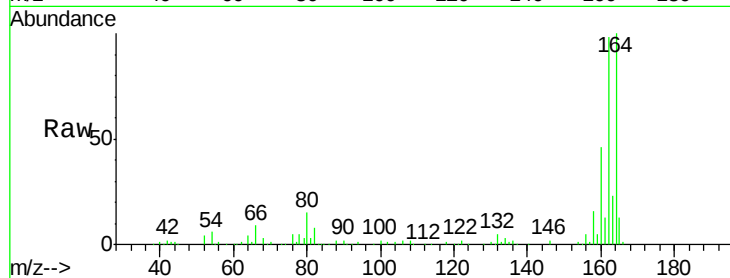




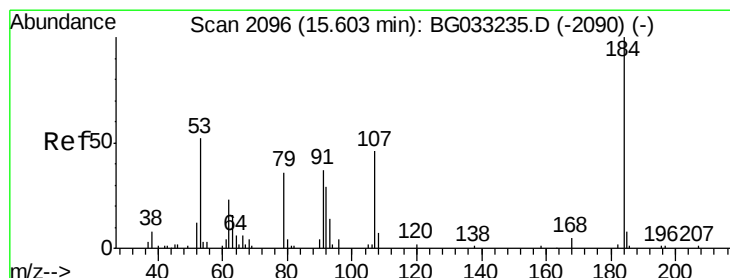
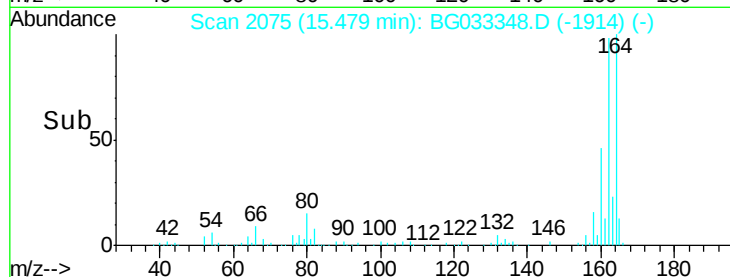
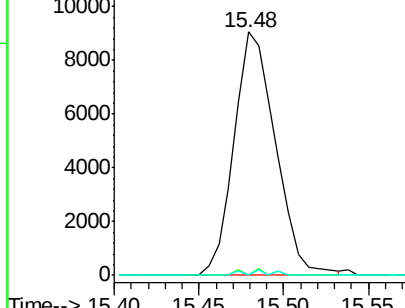
#50  
 2,6-Dinitrotoluene  
 Concen: 7.044 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. 0.41 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 52.7  | 79.1# |
| 89      | 0.0   | 49.2  | 73.8# |

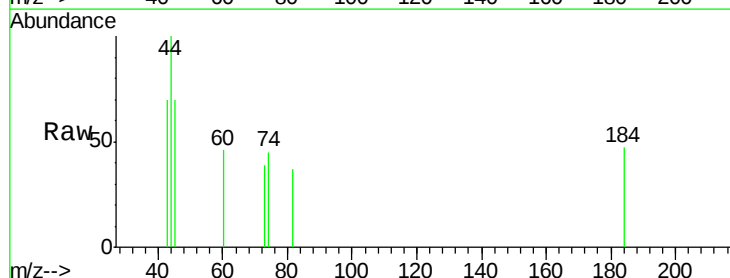


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

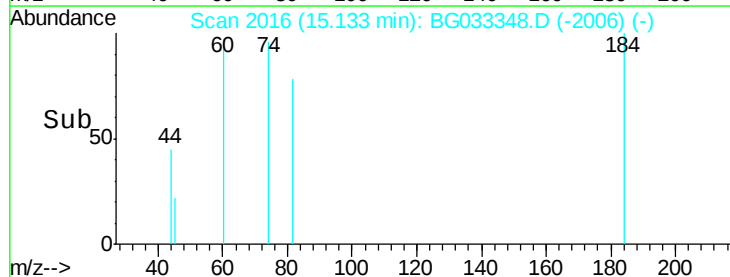
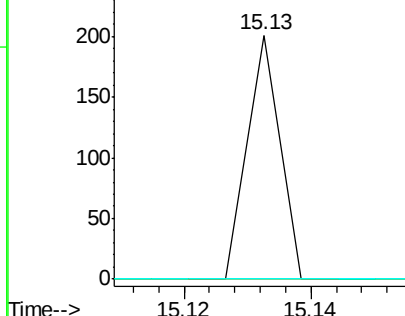


#53  
 2,4-Dinitrophenol  
 Concen: 7.699 ng  
 RT: 15.13 min Scan# 2016  
 Delta R.T. -0.47 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 0.0   | 59.8  | 89.8#  |
| 154     | 0.0   | 101.8 | 152.8# |



Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 154.00 (153.70 to 154.70): E

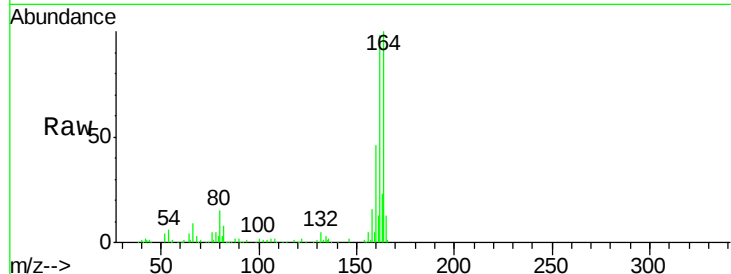




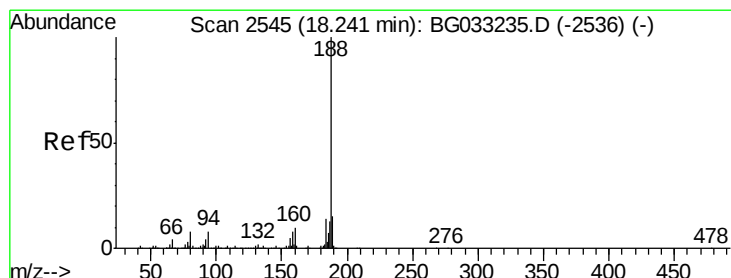
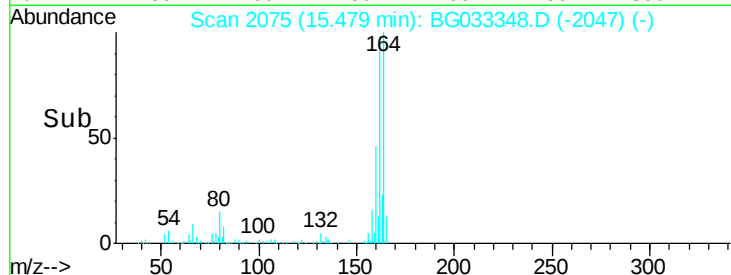
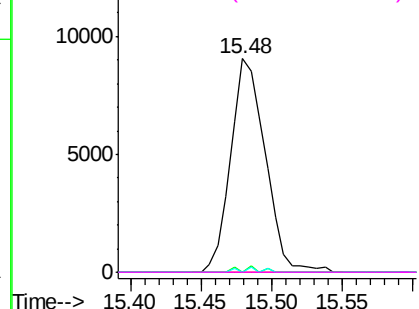
#56  
 2,4-Dinitrotoluene  
 Concen: 4.808 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. -0.37 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:165 Resp: 15528  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 42.0 63.0#  
 89 0.0 66.9 100.3#  
 182 0.0 2.6 3.8#

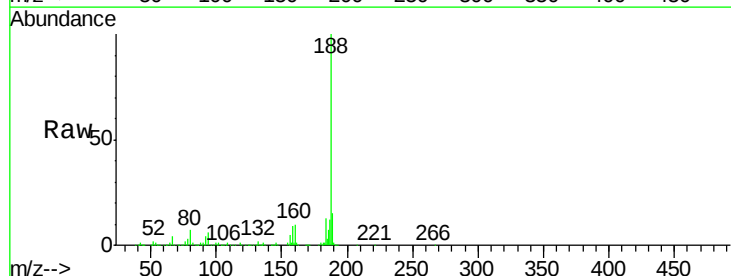


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

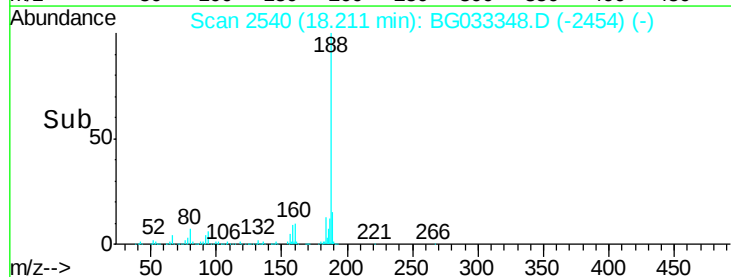
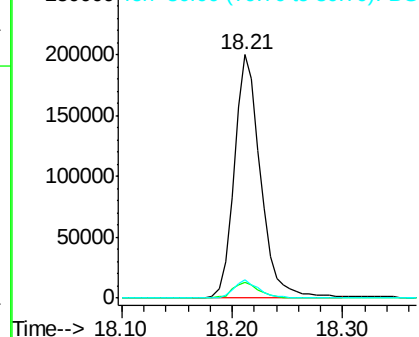


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.21 min Scan# 2540  
 Delta R.T. -0.03 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

Tgt Ion:188 Resp: 334492  
 Ion Ratio Lower Upper  
 188 100  
 94 6.3 6.9 10.3#  
 80 7.4 7.7 11.5#



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

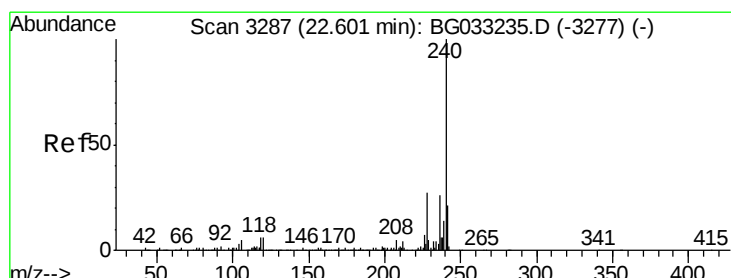
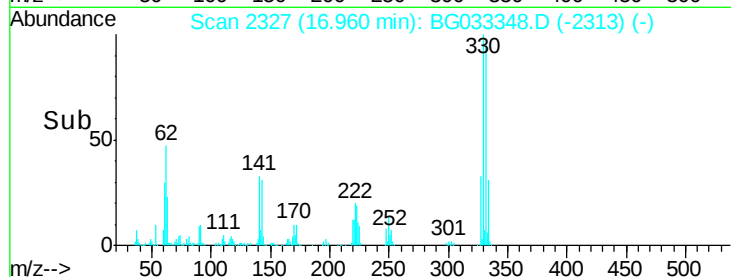
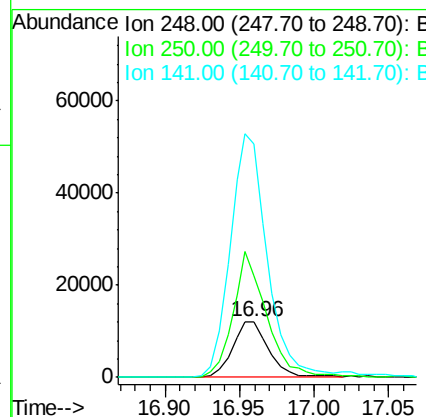
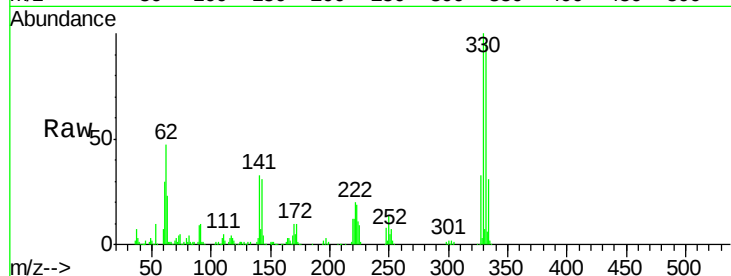




#66  
 4-Bromophenyl-phenylether  
 Concen: 5.237 ng  
 RT: 16.96 min Scan# 2327  
 Delta R.T. -0.45 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

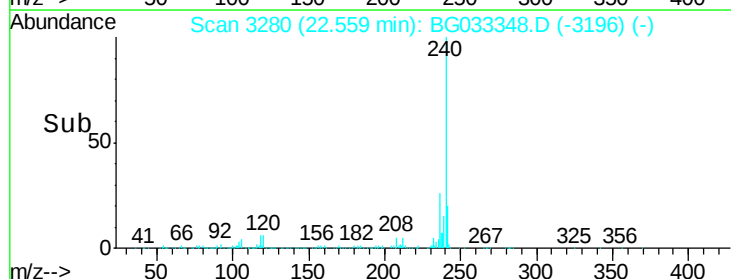
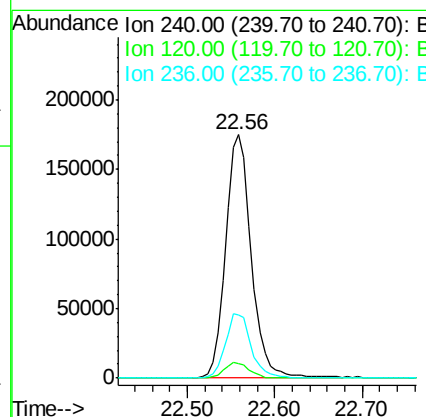
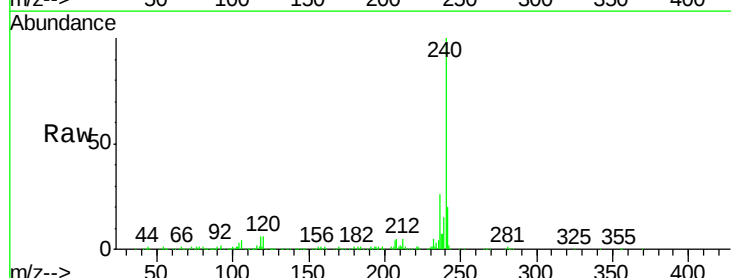
Instrument :  
 BNA\_G  
 ClientSampleId :

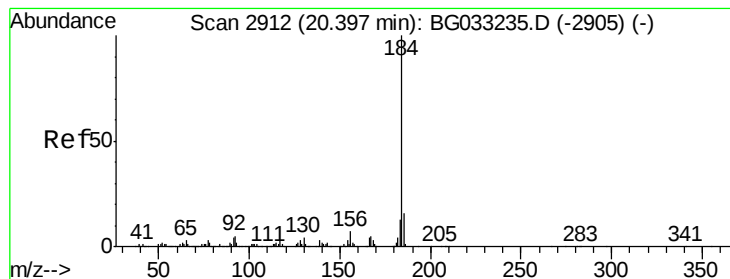
Tot Ion:248 Resp: 20571  
 Ion Ratio Lower Upper  
 248 100  
 250 181.8 77.1 115.7#  
 141 416.9 50.8 76.2#



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 22.56 min Scan# 3280  
 Delta R.T. -0.04 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

Tgt Ion:240 Resp: 352109  
 Ion Ratio Lower Upper  
 240 100  
 120 6.2 6.8 10.2#  
 236 25.9 20.9 31.3





#76

Benzidine

Concen: 2.880 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033348.D

Acq: 27 Mar 2018 2:47

Instrument :

BNA\_G

ClientSampled :

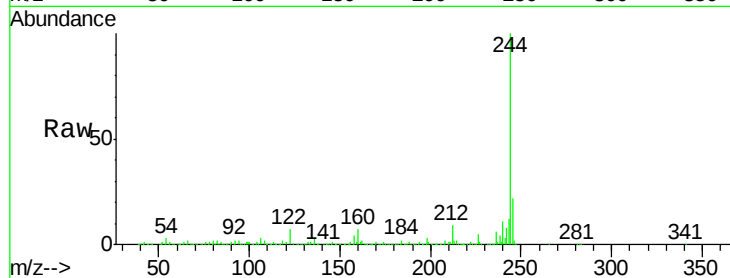
Tot Ion:184 Resp: 27504

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

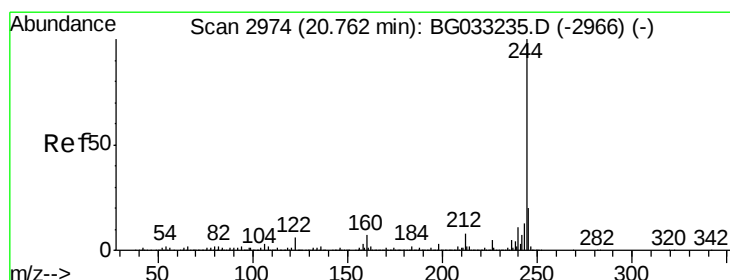
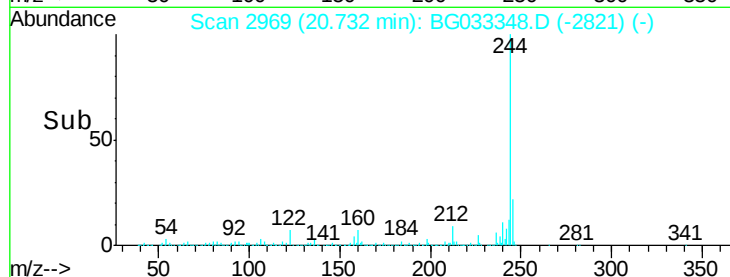
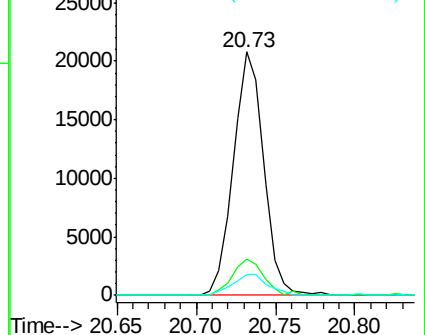
183 8.7 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 100.431 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033348.D

Acq: 27 Mar 2018 2:47

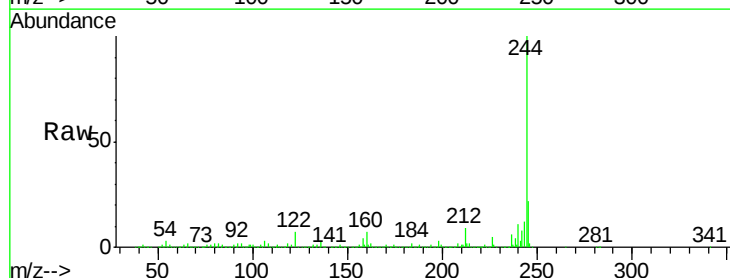
Tgt Ion:244 Resp: 1653544

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

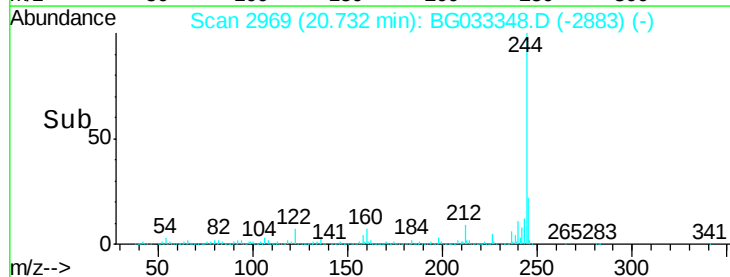
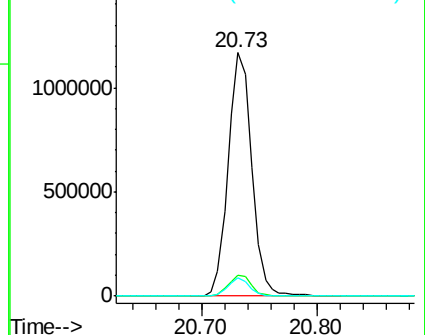
122 7.3 7.0 10.4



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: 26.33 min Scan# 3921  
 Delta R.T. -0.06 min  
 Lab File: BG033348.D  
 Acq: 27 Mar 2018 2:47

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 17.4  | 26.0  |
| 265     | 21.1  | 17.7  | 26.5  |

