

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG031918\  
 Data File : BG033251.D  
 Acq On : 19 Mar 2018 22:13  
 Operator : SJ/JU  
 Sample : J1953-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 20 03:40:13 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 19 16:48:53 2018  
 Response via : Initial Calibration

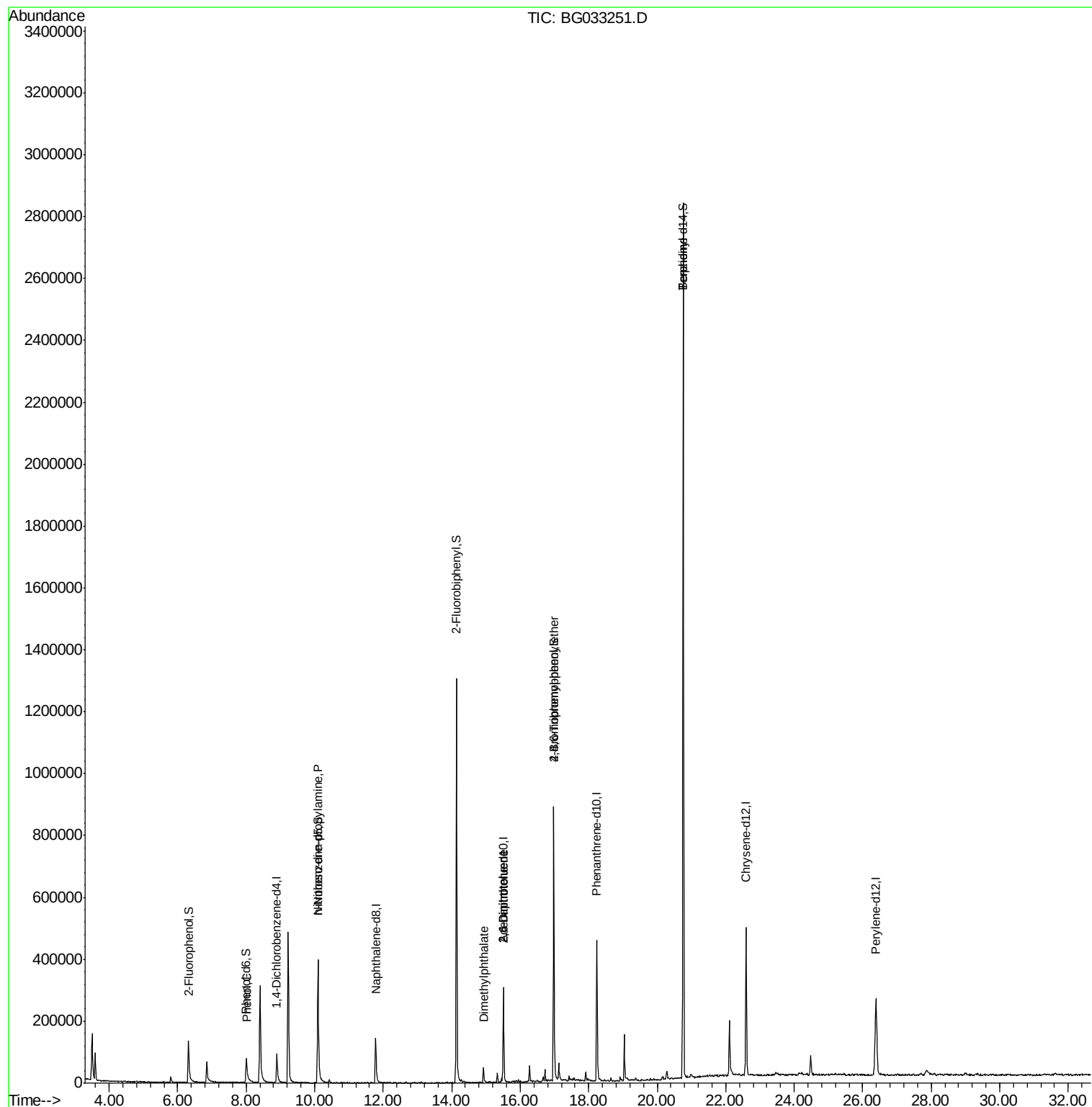
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.89  | 152  | 37083    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.77 | 136  | 154391   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 15.51 | 164  | 119256   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.24 | 188  | 331493   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.59 | 240  | 347972   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 26.39 | 264  | 358459   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.32  | 112  | 77083    | 38.98  | ng    | 0.00     |
| 7) Phenol-d6                   | 8.00  | 99   | 73019    | 21.49  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 10.09 | 82   | 318308   | 94.72  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.98 | 330  | 179463   | 100.62 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.14 | 172  | 777685   | 94.14  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.76 | 244  | 1407286  | 86.49  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 8.03  | 94   | 7179     | 2.140  | ng    | # 54     |
| 19) n-Nitroso-di-n-propylamine | 10.09 | 70   | 42468    | 17.056 | ng    | # 71     |
| 49) Dimethylphthalate          | 14.93 | 163  | 35138    | 3.386  | ng    | # 96     |
| 50) 2,6-Dinitrotoluene         | 15.50 | 165  | 15223    | 7.174  | ng    | # 20     |
| 56) 2,4-Dinitrotoluene         | 15.50 | 165  | 15224    | 4.872  | ng    | # 18     |
| 66) 4-Bromophenyl-phenylether  | 16.98 | 248  | 13190    | 3.388  | ng    | # 1      |
| 76) Benizidine                 | 20.76 | 184  | 22609    | 2.396  | ng    | # 93     |

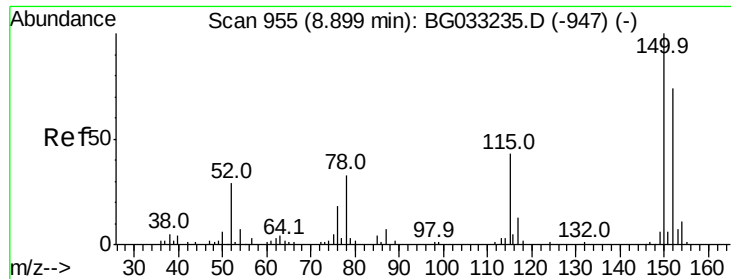
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG031918\  
Data File : BG033251.D  
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Sample : J1953-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Mar 20 03:40:13 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 19 16:48:53 2018  
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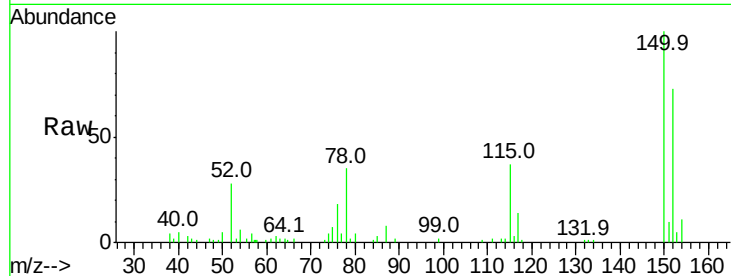


#1

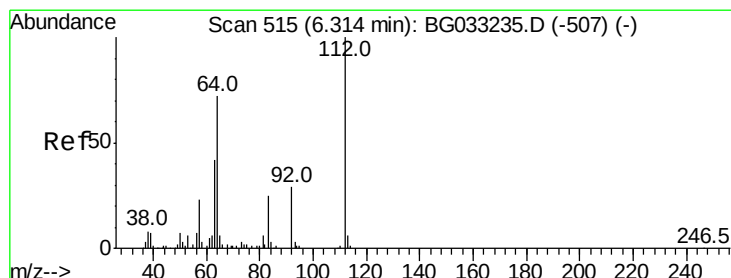
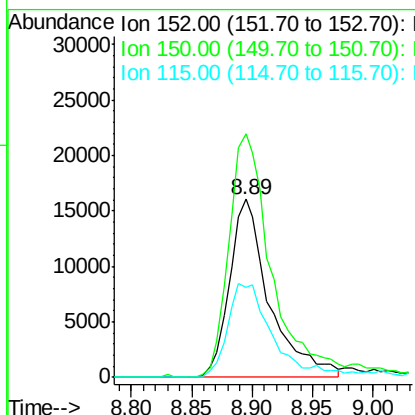
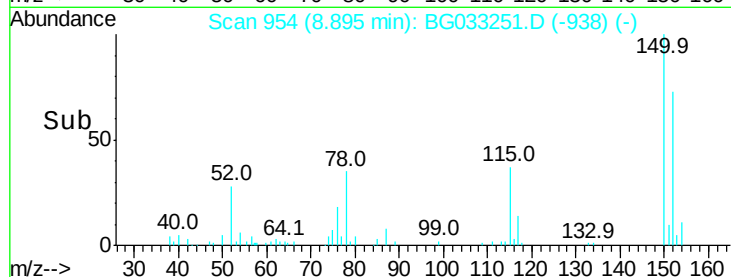
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.89 min Scan# 954  
Delta R.T. -0.00 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 37083  
Ion Ratio Lower Upper  
152 100  
150 136.7 126.6 189.8  
115 50.6 53.0 79.4#



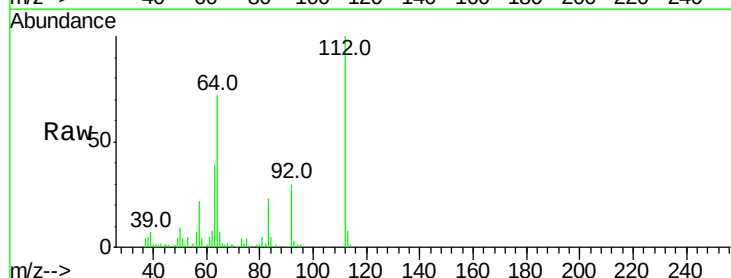
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



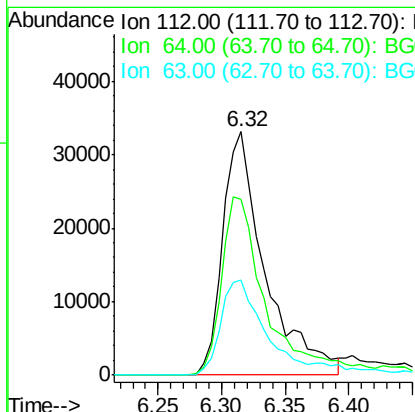
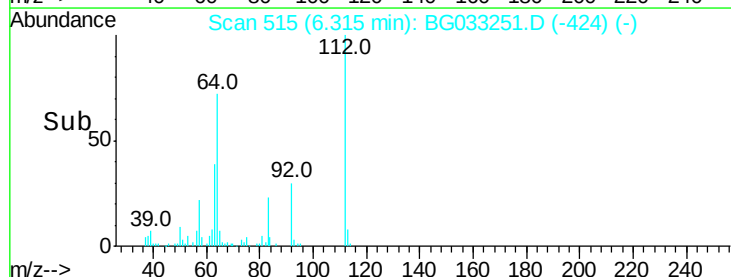
#5

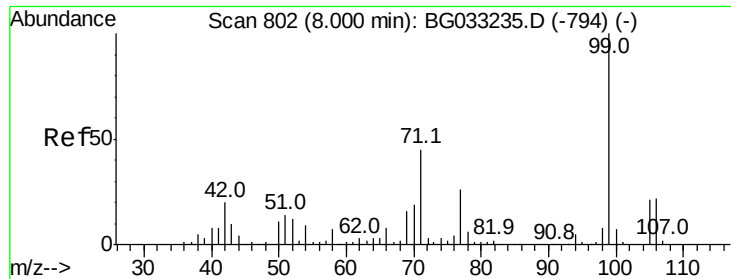
2-Fluorophenol  
Concen: 38.977 ng  
RT: 6.32 min Scan# 515  
Delta R.T. 0.00 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

Tgt Ion:112 Resp: 77083  
Ion Ratio Lower Upper  
112 100  
64 72.3 56.3 84.5  
63 38.9 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: 21.489 ng

RT: 8.00 min Scan# 802

Delta R.T. 0.00 min

Lab File: BG033251.D

Acq: 19 Mar 2018 22:13

Instrument :

BNA\_G

ClientSampleId :

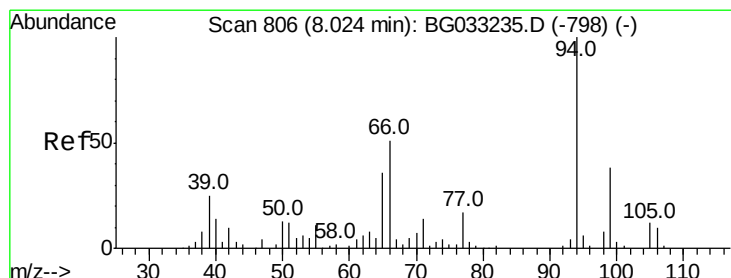
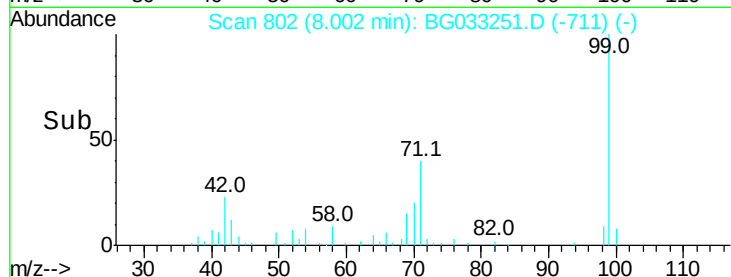
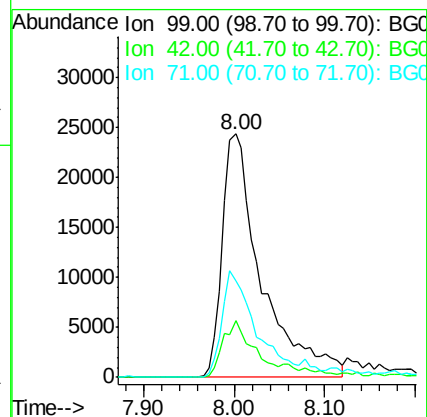
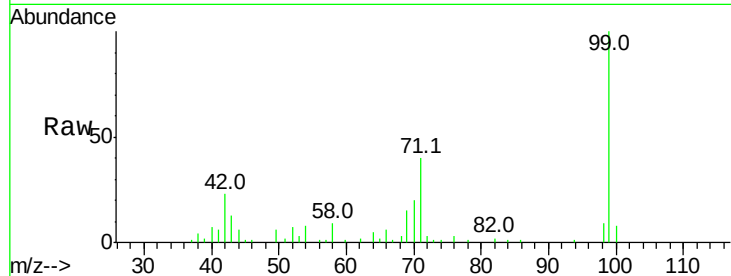
Tot Ion: 99 Resp: 73019

Ion Ratio Lower Upper

99 100

42 23.1 14.1 21.1#

71 39.6 26.1 39.1#



#10

Phenol

Concen: 2.140 ng

RT: 8.03 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG033251.D

Acq: 19 Mar 2018 22:13

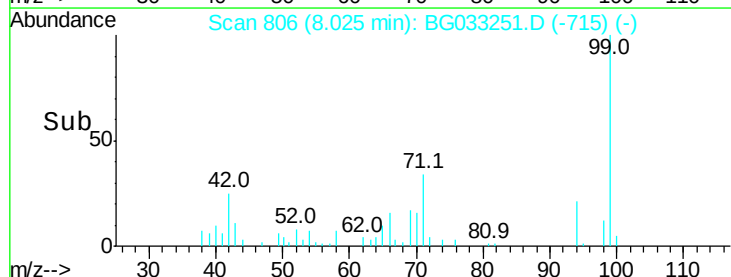
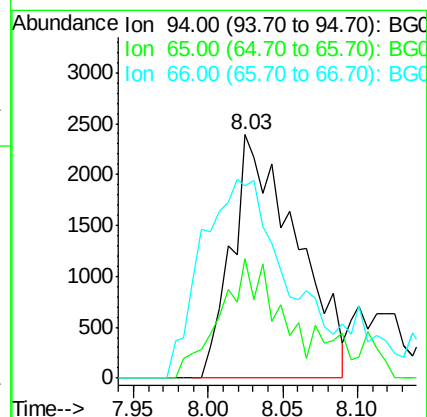
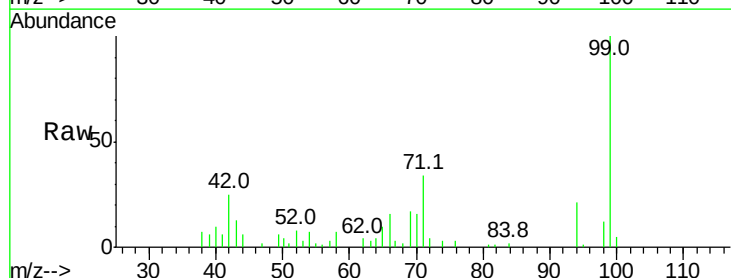
Tgt Ion: 94 Resp: 7179

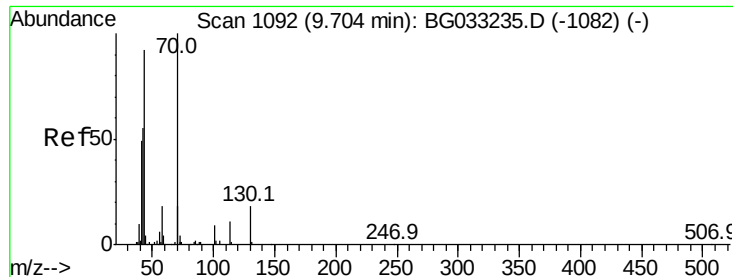
Ion Ratio Lower Upper

94 100

65 49.0 11.9 51.9

66 79.0 22.2 62.2#

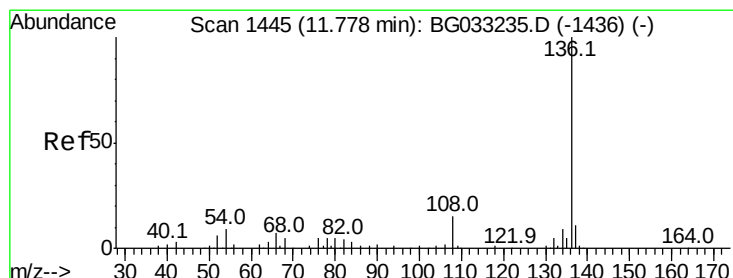
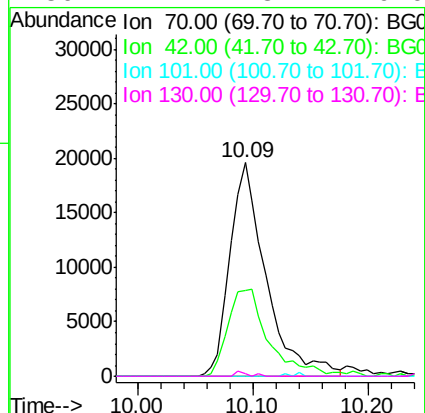
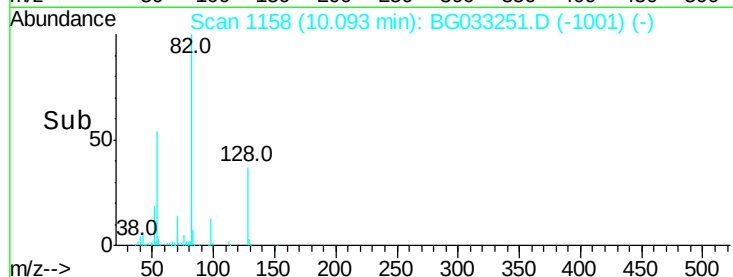
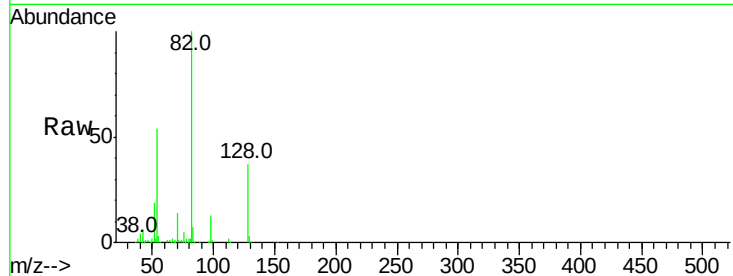




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.056 ng  
RT: 10.09 min Scan# 1158  
Delta R.T. 0.39 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

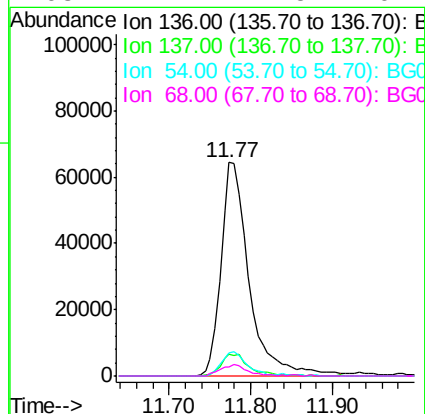
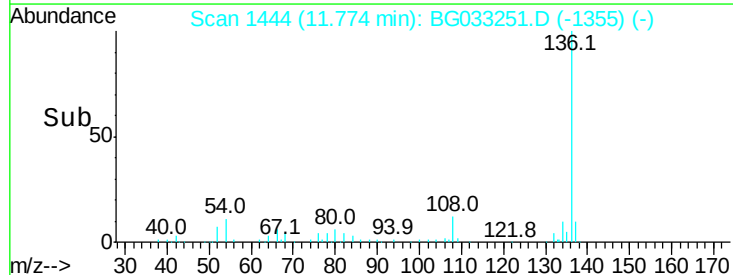
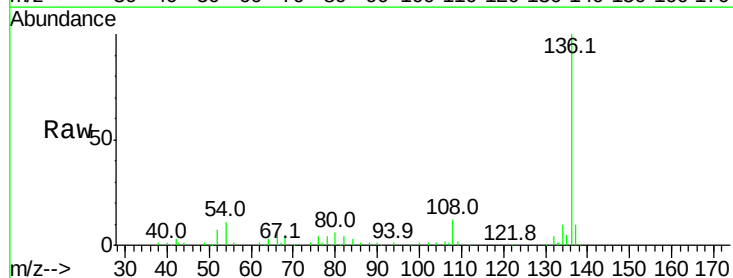
Instrument :  
BNA\_G  
ClientSampleId :

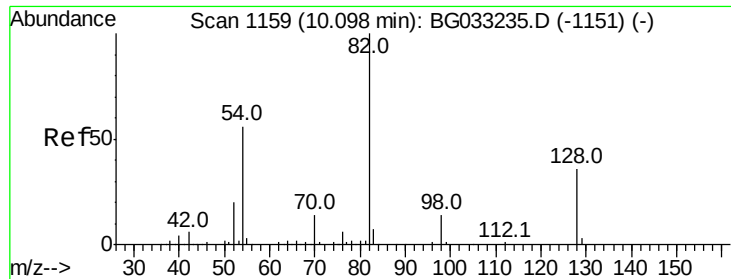
Tot Ion: 70 Resp: 42468  
Ion Ratio Lower Upper  
70 100  
42 40.2 49.1 73.7#  
101 0.0 8.5 12.7#  
130 1.4 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.77 min Scan# 1444  
Delta R.T. -0.01 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

Tgt Ion: 136 Resp: 154391  
Ion Ratio Lower Upper  
136 100  
137 10.1 9.2 13.8  
54 10.7 10.3 15.5  
68 4.1 4.5 6.7#



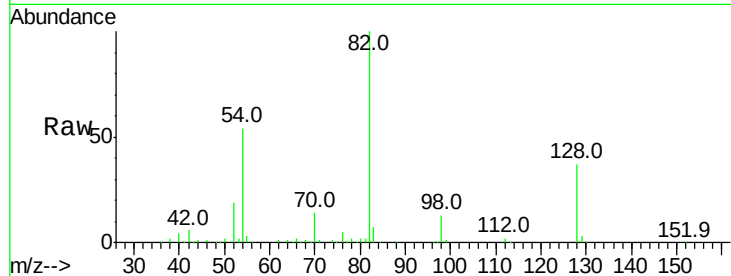


#23  
 Nitrobenzene-d5  
 Concen: 94.723 ng  
 RT: 10.09 min Scan# 1158  
 Delta R.T. -0.00 min  
 Lab File: BG033251.D  
 Acq: 19 Mar 2018 22:13

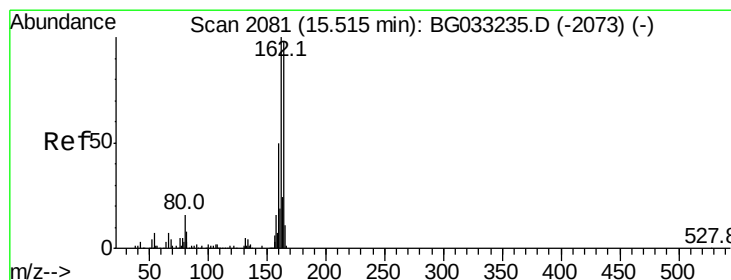
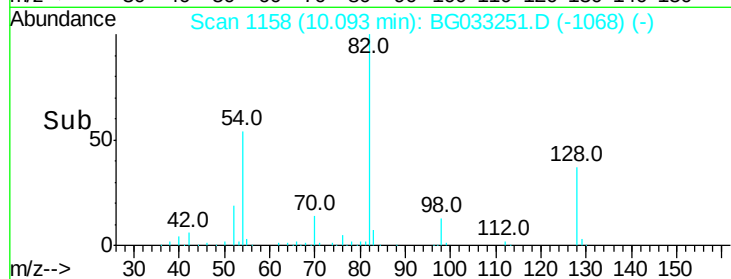
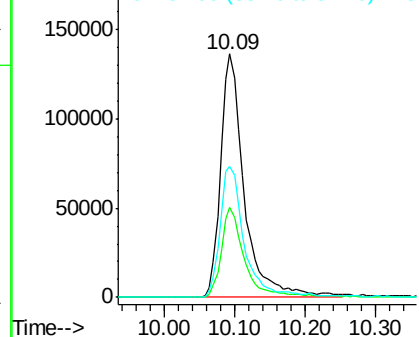
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 82 Resp: 318308  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.0  | 29.7  | 44.5  |
| 54  | 54.0  | 43.1  | 64.7  |



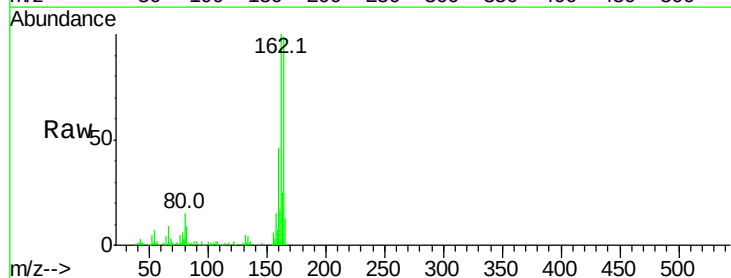
Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC



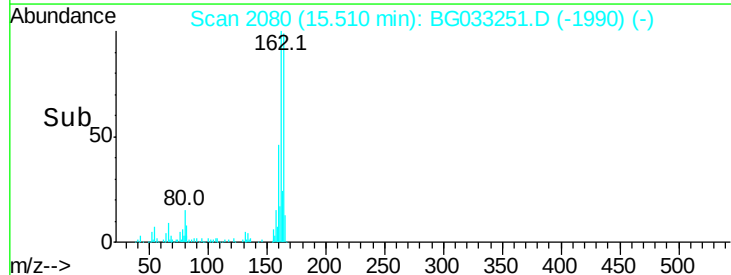
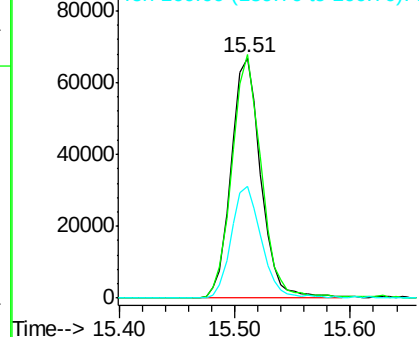
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.51 min Scan# 2080  
 Delta R.T. -0.00 min  
 Lab File: BG033251.D  
 Acq: 19 Mar 2018 22:13

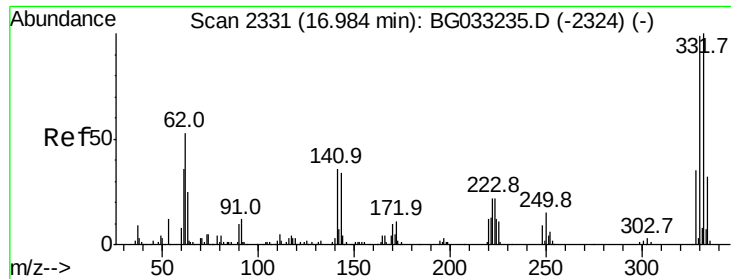
Tgt Ion:164 Resp: 119256  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.4 | 78.8  | 118.2 |
| 160 | 46.5  | 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

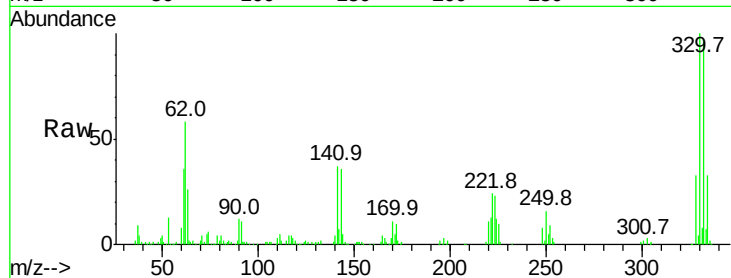




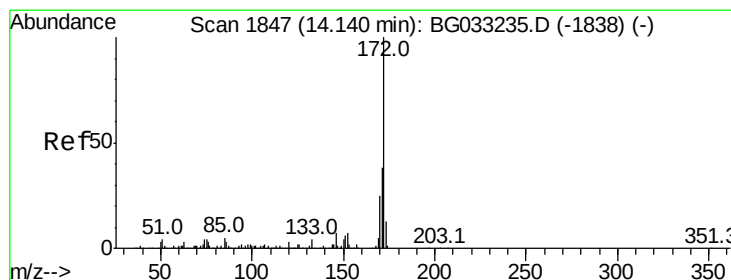
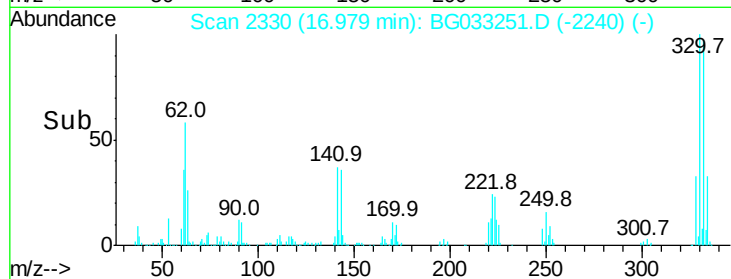
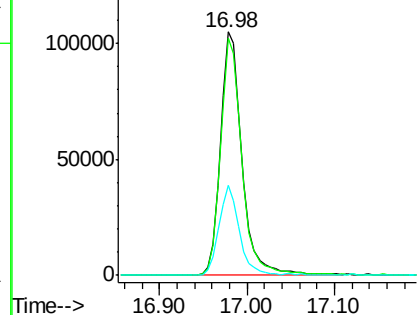
#41  
 2,4,6-Tribromophenol  
 Concen: 100.618 ng  
 RT: 16.98 min Scan# 2330  
 Delta R.T. -0.00 min  
 Lab File: BG033251.D  
 Acq: 19 Mar 2018 22:13

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.0  | 115.6 |
| 141     | 35.4  | 25.2  | 37.8  |

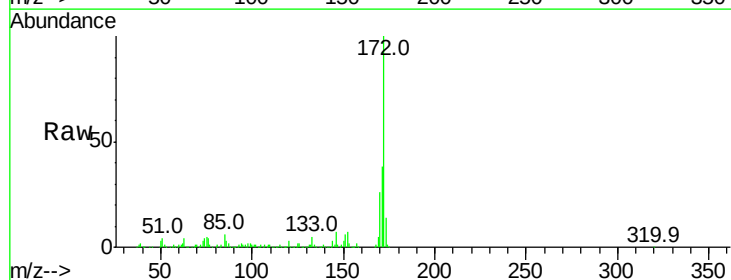


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

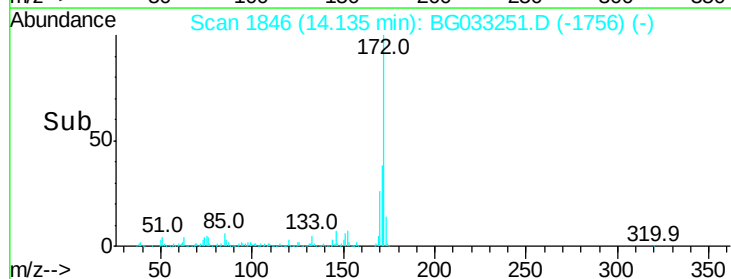
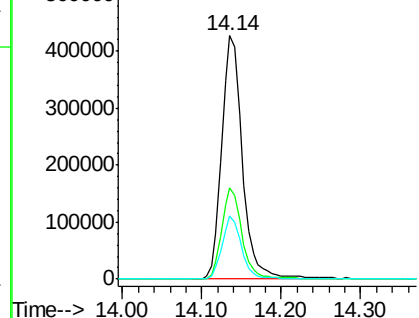


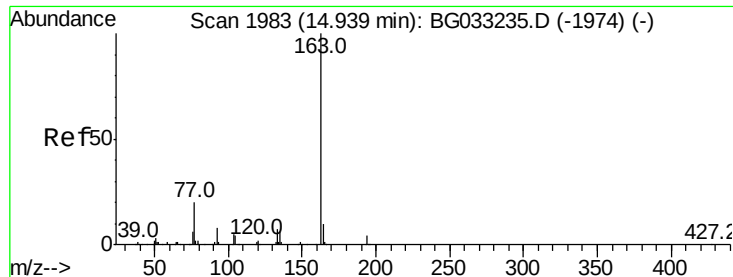
#44  
 2-Fluorobiphenyl  
 Concen: 94.141 ng  
 RT: 14.14 min Scan# 1846  
 Delta R.T. -0.00 min  
 Lab File: BG033251.D  
 Acq: 19 Mar 2018 22:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 30.0  | 45.0  |
| 170     | 26.0  | 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





#49

Dimethylphthalate

Concen: 3.386 ng

RT: 14.93 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG033251.D

Acq: 19 Mar 2018 22:13

Instrument :

BNA\_G

ClientSampleId :

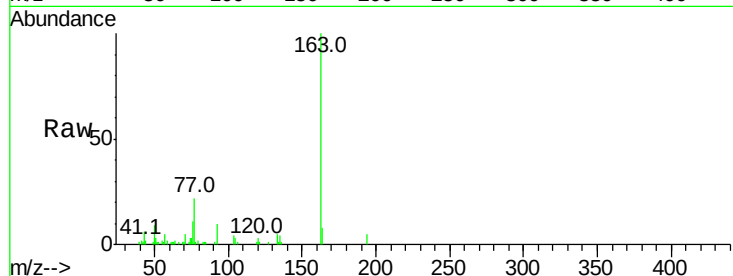
Tot Ion:163 Resp: 35138

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

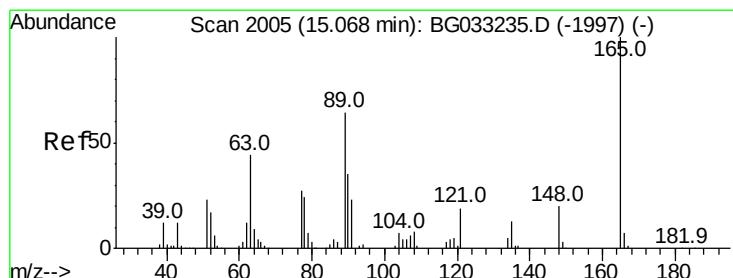
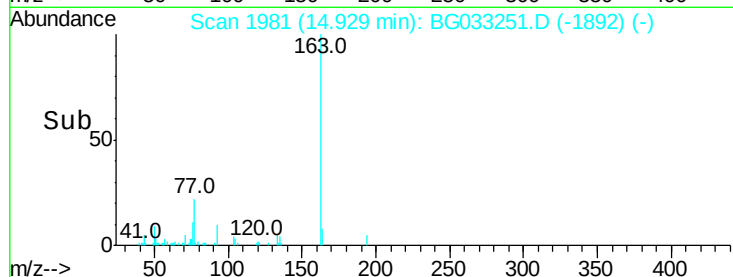
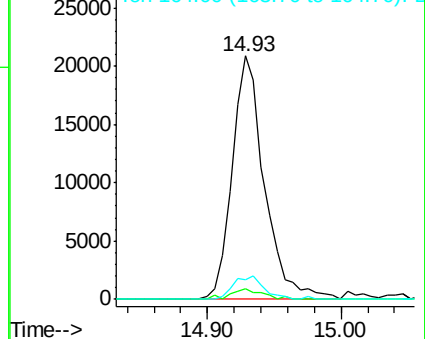
164 8.1 8.2 12.4#



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



#50

2,6-Dinitrotoluene

Concen: 7.174 ng

RT: 15.50 min Scan# 2079

Delta R.T. 0.44 min

Lab File: BG033251.D

Acq: 19 Mar 2018 22:13

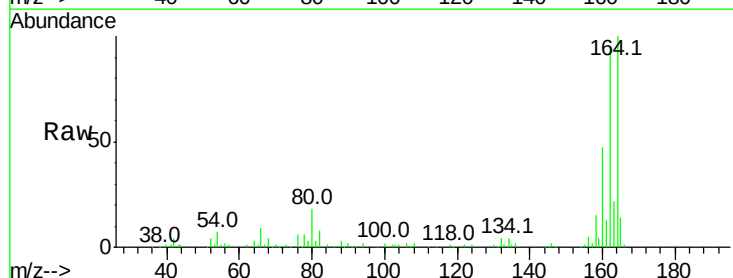
Tgt Ion:165 Resp: 15223

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

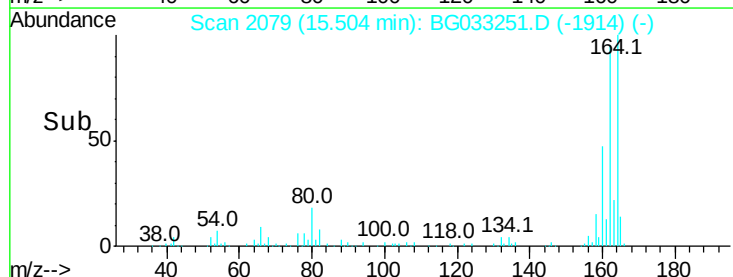
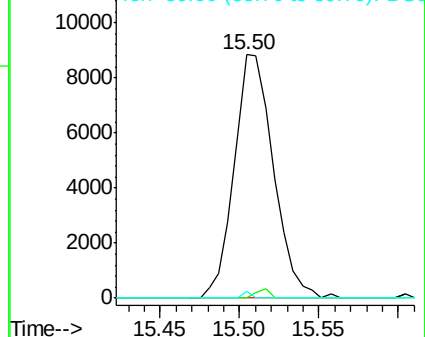
89 2.8 49.2 73.8#



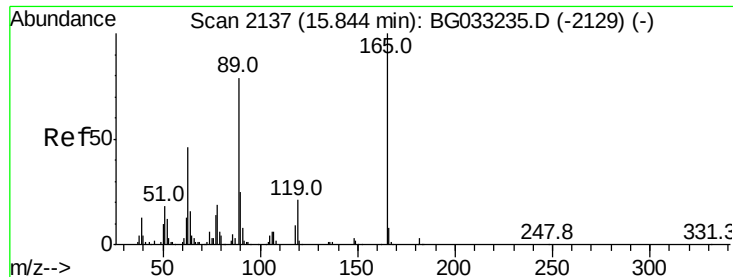
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



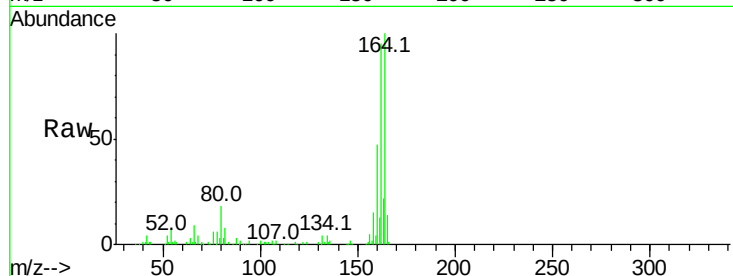




#56  
2,4-Dinitrotoluene  
Concen: 4.872 ng  
RT: 15.50 min Scan# 2079  
Delta R.T. -0.34 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 42.0  | 63.0#  |
| 89      | 2.8   | 66.9  | 100.3# |
| 182     | 0.0   | 2.6   | 3.8#   |

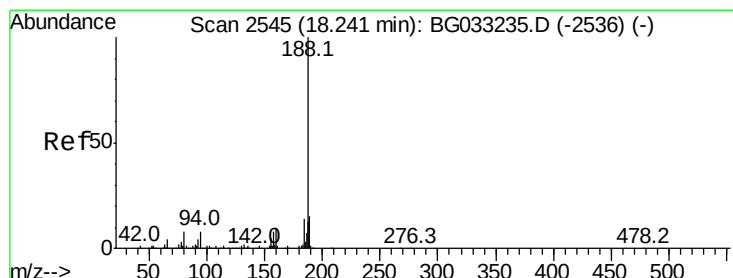
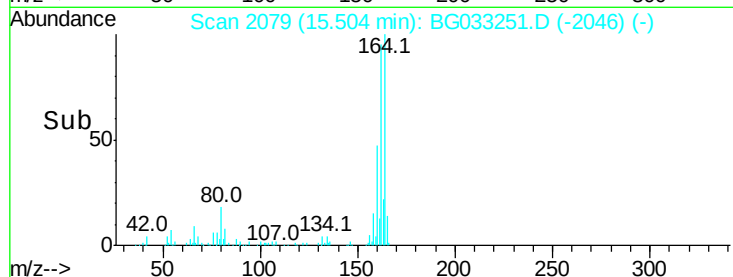
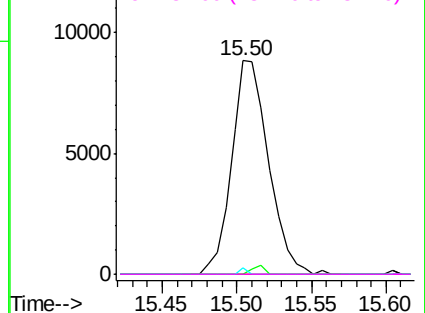


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

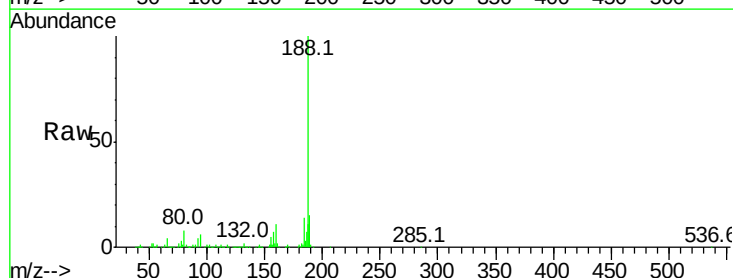
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.24 min Scan# 2544  
Delta R.T. -0.00 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

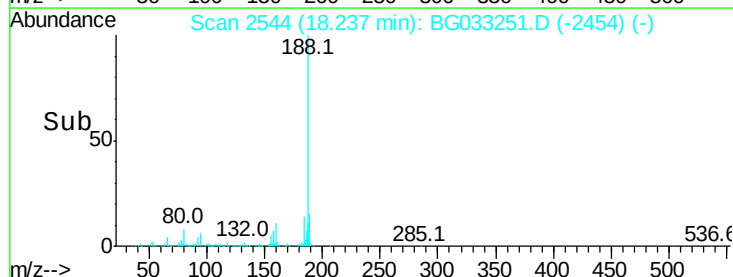
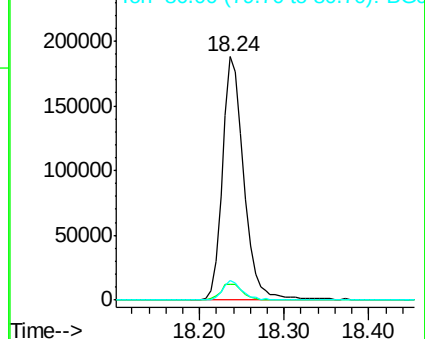
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.4   | 6.9   | 10.3# |
| 80      | 8.2   | 7.7   | 11.5  |

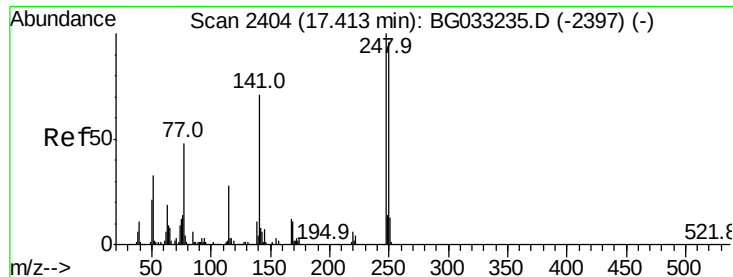


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

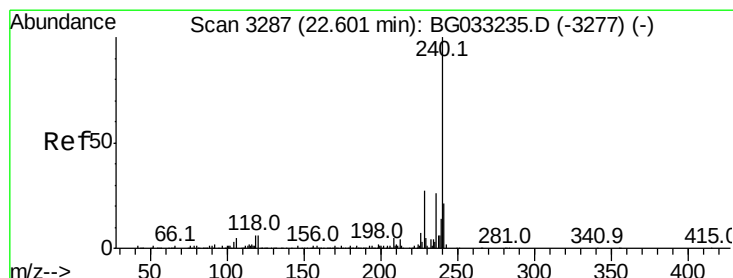
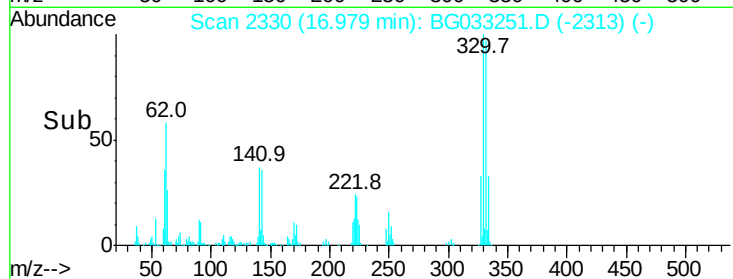
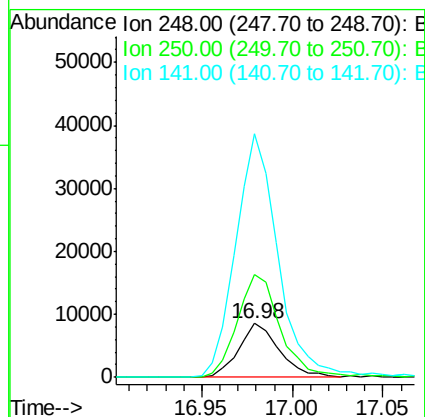
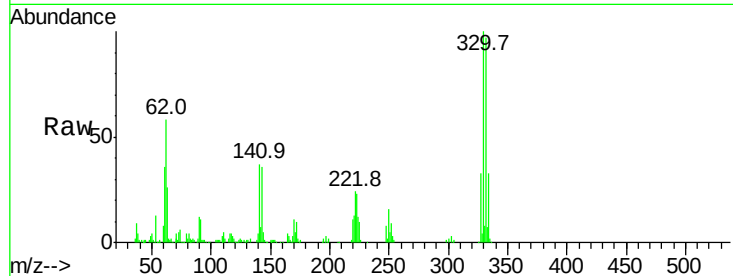




#66  
4-Bromophenyl-phenylether  
Concen: 3.388 ng  
RT: 16.98 min Scan# 2330  
Delta R.T. -0.43 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

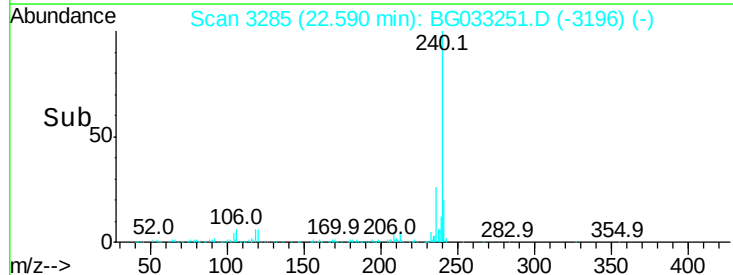
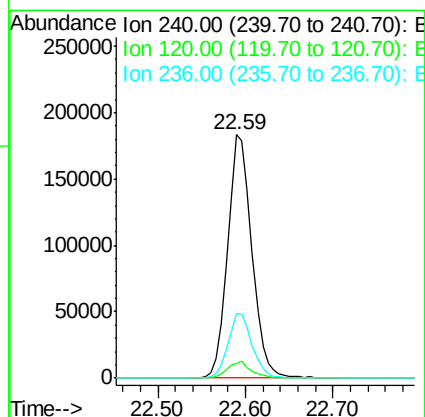
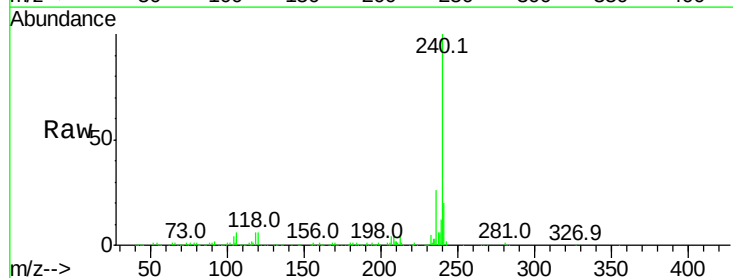
Instrument :  
BNA\_G  
ClientSampled :

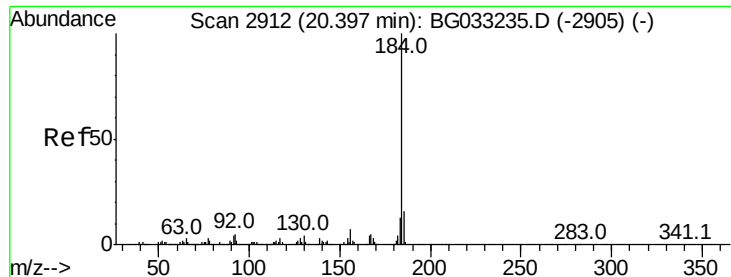
Tot Ion:248 Resp: 13190  
Ion Ratio Lower Upper  
248 100  
250 190.5 77.1 115.7#  
141 450.5 50.8 76.2#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.59 min Scan# 3285  
Delta R.T. -0.01 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

Tgt Ion:240 Resp: 347972  
Ion Ratio Lower Upper  
240 100  
120 5.9 6.8 10.2#  
236 26.4 20.9 31.3

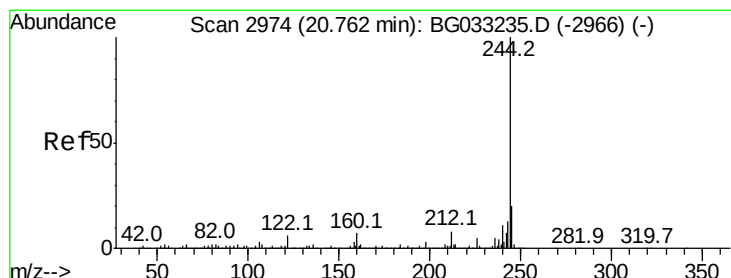
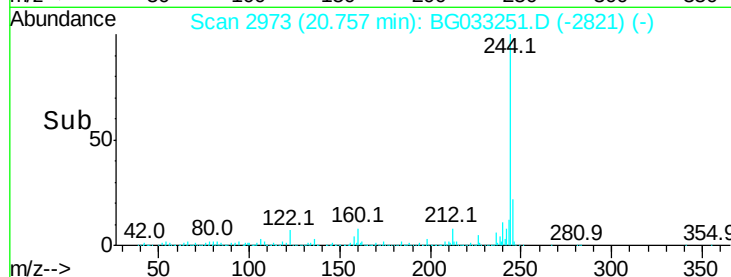
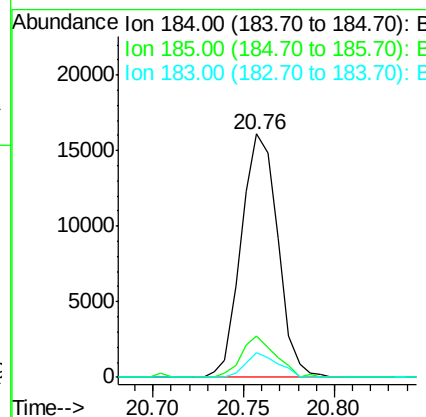
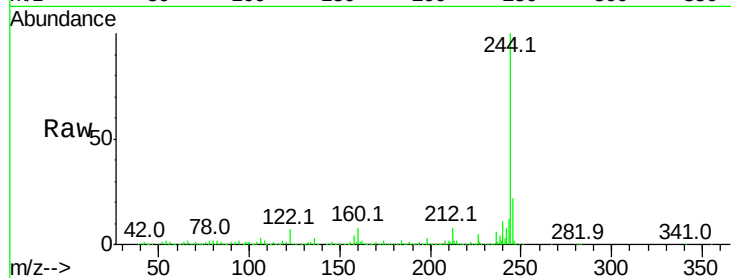




#76  
Benzidine  
Concen: 2.396 ng  
RT: 20.76 min Scan# 2973  
Delta R.T. 0.36 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

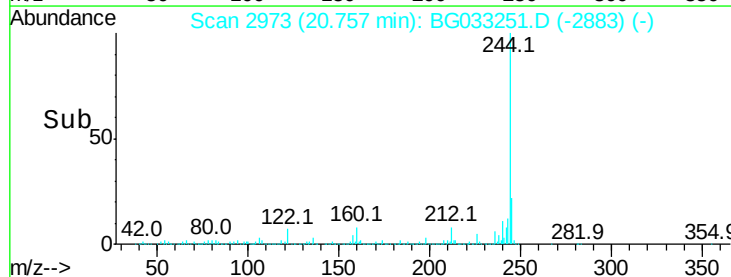
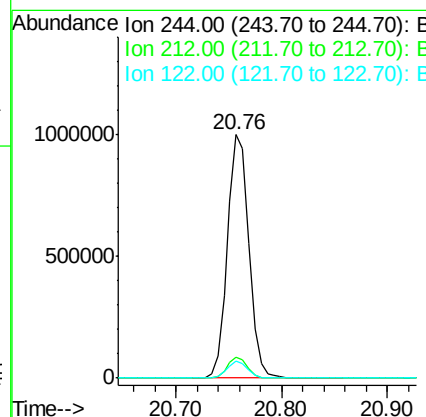
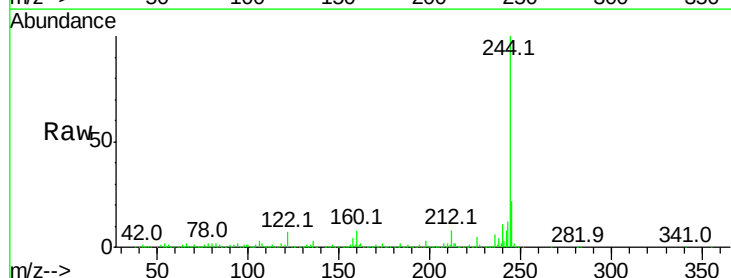
Instrument :  
BNA\_G  
ClientSampleId :

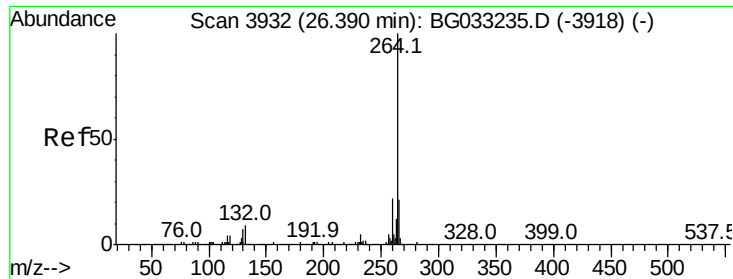
Tot Ion:184 Resp: 22609  
Ion Ratio Lower Upper  
184 100  
185 16.8 11.1 16.7#  
183 10.2 10.6 16.0#



#78  
Terphenyl-d14  
Concen: 86.491 ng  
RT: 20.76 min Scan# 2973  
Delta R.T. -0.00 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

Tgt Ion:244 Resp: 1407286  
Ion Ratio Lower Upper  
244 100  
212 8.5 5.8 8.8  
122 7.2 7.0 10.4

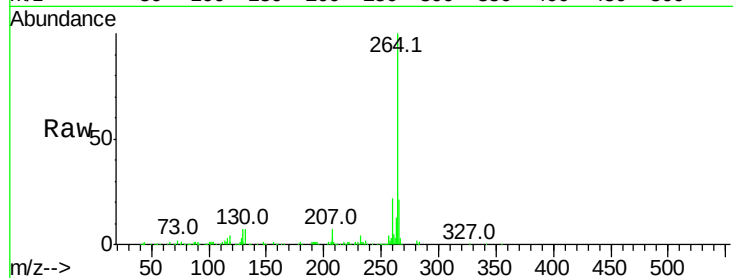




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.39 min Scan# 3931  
Delta R.T. -0.01 min  
Lab File: BG033251.D  
Acq: 19 Mar 2018 22:13

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.0  | 17.4  | 26.0  |
| 265     | 21.0  | 17.7  | 26.5  |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

