

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG040318\  
 Data File : BG033521.D  
 Acq On : 3 Apr 2018 12:13  
 Operator : SJ/JU  
 Sample : J2114-15  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 03 14:52:14 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 03 14:50:26 2018  
 Response via : Initial Calibration

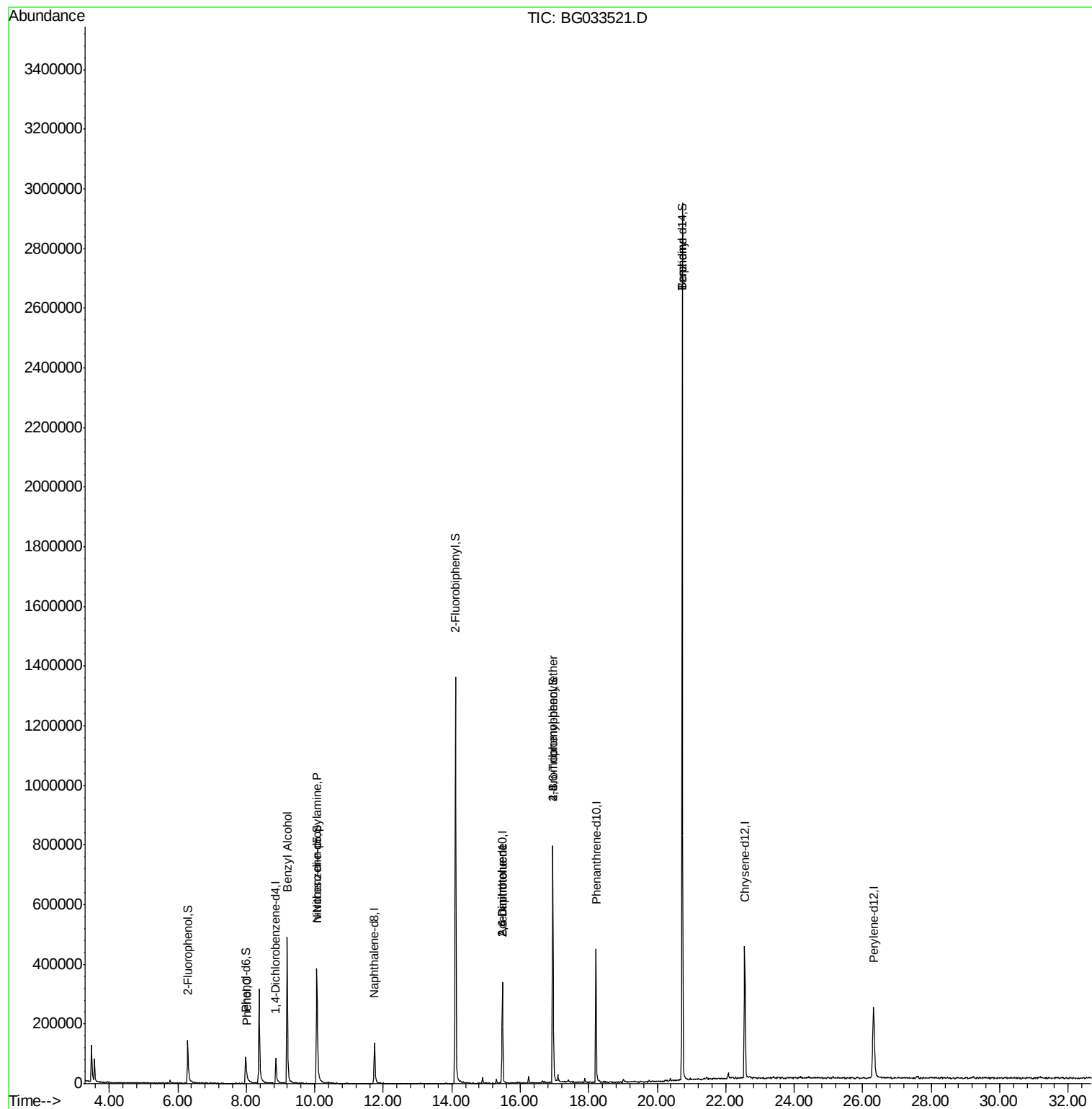
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.87  | 152  | 32529    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.74 | 136  | 145220   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 15.48 | 164  | 121824   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.21 | 188  | 324352   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.55 | 240  | 334494   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 26.31 | 264  | 349735   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.30  | 112  | 80604    | 46.46  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.98  | 99   | 79503    | 26.67  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 10.06 | 82   | 310092   | 98.11  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.95 | 330  | 163440   | 89.70  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.11 | 172  | 798366   | 94.61  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.73 | 244  | 1452029  | 92.84  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 8.01  | 94   | 7161     | 2.433  | ng    | 100      |
| 15) Benzyl Alcohol             | 9.20  | 79   | 5657     | 2.411  | ng    | # 42     |
| 19) n-Nitroso-di-n-propylamine | 10.06 | 70   | 40153    | 18.384 | ng    | # 73     |
| 50) 2,6-Dinitrotoluene         | 15.48 | 165  | 15692    | 7.239  | ng    | # 20     |
| 56) 2,4-Dinitrotoluene         | 15.48 | 165  | 15691    | 4.916  | ng    | # 18     |
| 66) 4-Bromophenyl-phenylether  | 16.95 | 248  | 12479    | 3.276  | ng    | # 1      |
| 76) Benizidine                 | 20.73 | 184  | 25478    | 2.809  | ng    | # 91     |

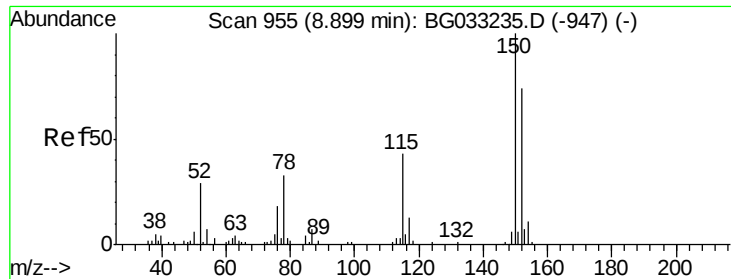
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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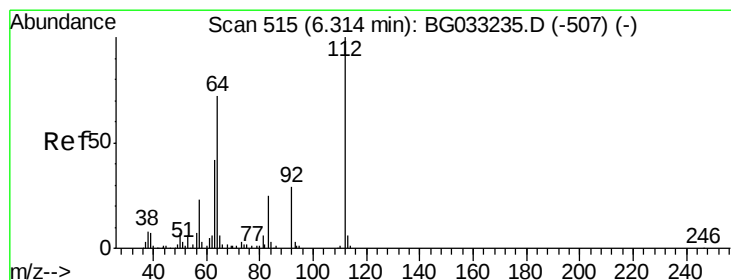
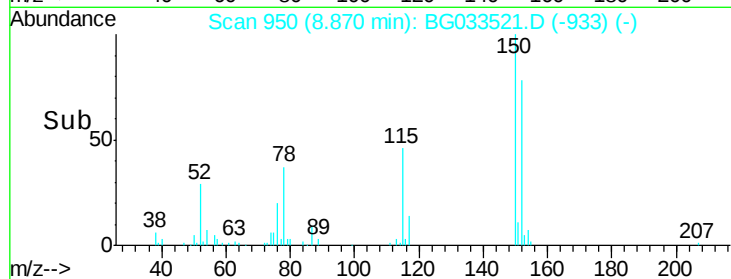
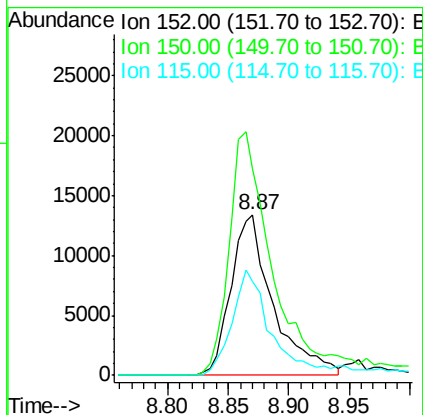
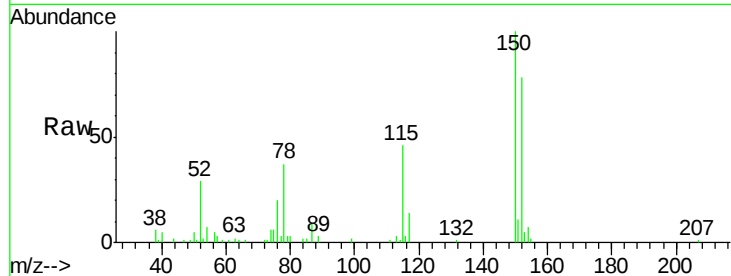


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.87 min Scan# 950  
Delta R.T. 0.00 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

Instrument :  
BNA\_G  
ClientSampled :

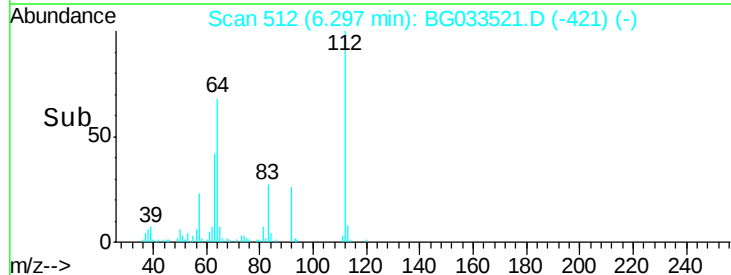
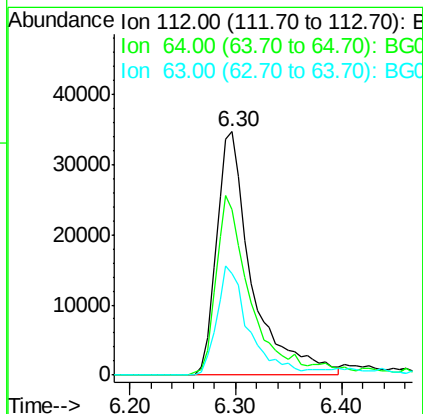
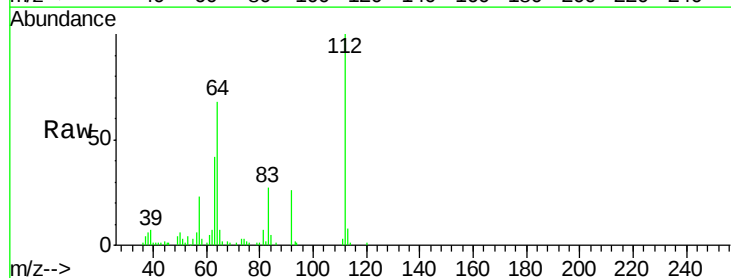
Tot Ion:152 Resp: 32529  
Ion Ratio Lower Upper  
152 100  
150 128.9 126.6 189.8  
115 58.7 53.0 79.4

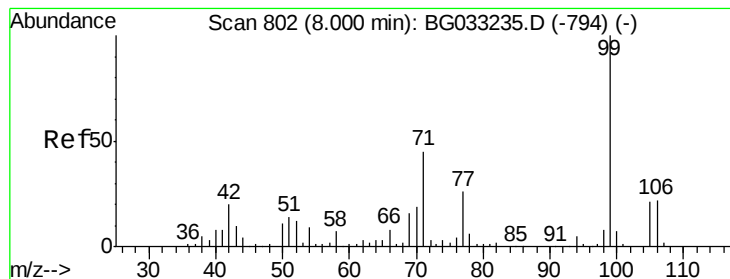


#5

2-Fluorophenol  
Concen: 46.464 ng  
RT: 6.30 min Scan# 512  
Delta R.T. 0.01 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

Tgt Ion:112 Resp: 80604  
Ion Ratio Lower Upper  
112 100  
64 67.9 56.3 84.5  
63 41.6 30.1 45.1





#7

Phenol-d6

Concen: 26.673 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033521.D

Acq: 3 Apr 2018 12:13

Instrument :

BNA\_G

ClientSampled :

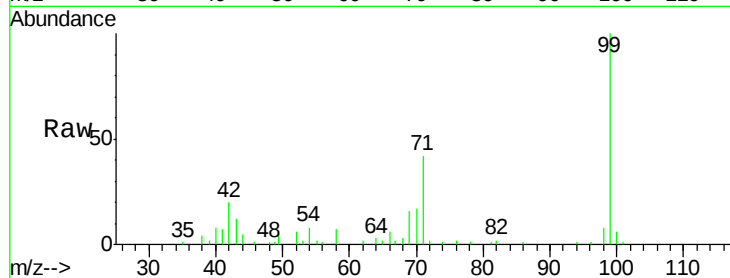
Tot Ion: 99 Resp: 79503

Ion Ratio Lower Upper

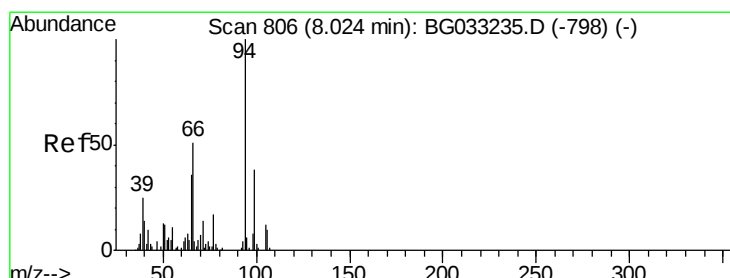
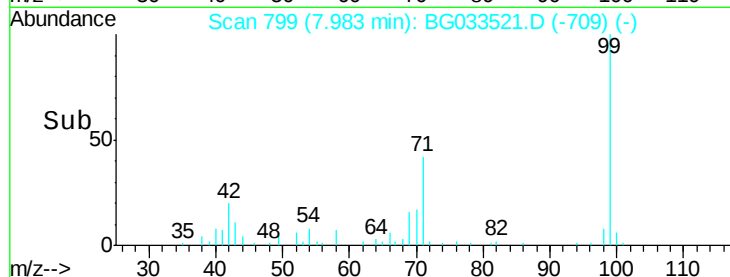
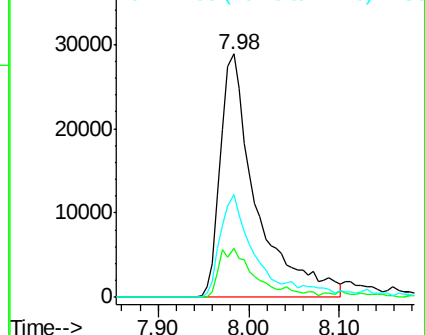
99 100

42 20.3 14.1 21.1

71 42.4 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



#10

Phenol

Concen: 2.433 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.01 min

Lab File: BG033521.D

Acq: 3 Apr 2018 12:13

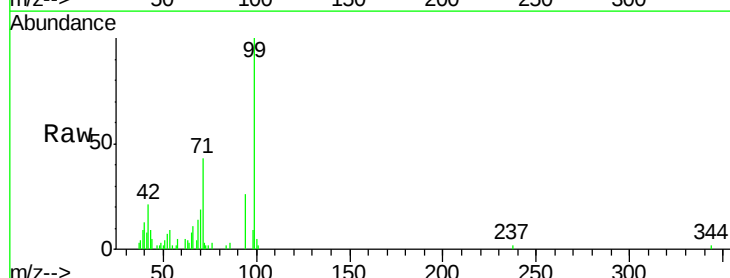
Tgt Ion: 94 Resp: 7161

Ion Ratio Lower Upper

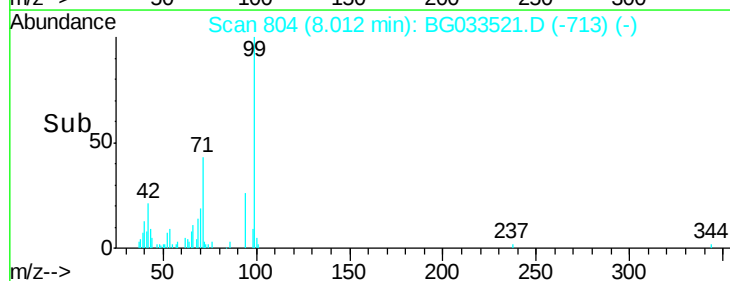
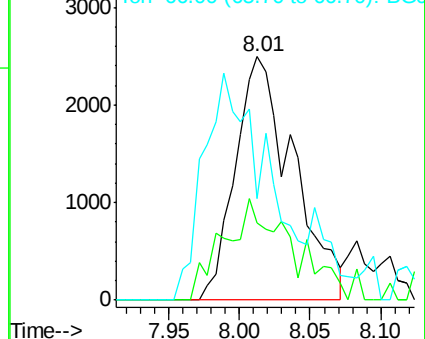
94 100

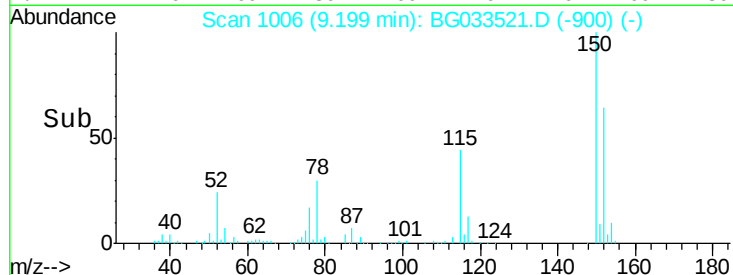
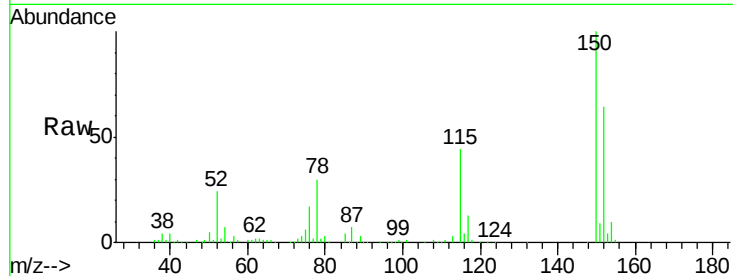
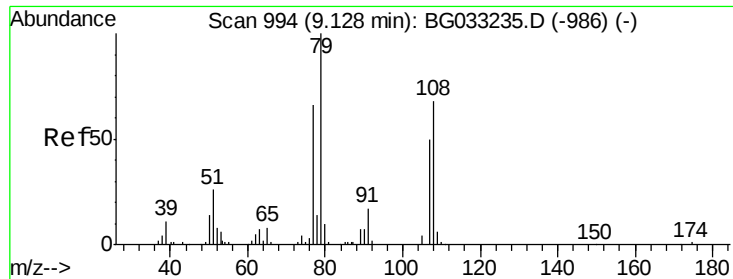
65 31.9 11.9 51.9

66 41.9 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

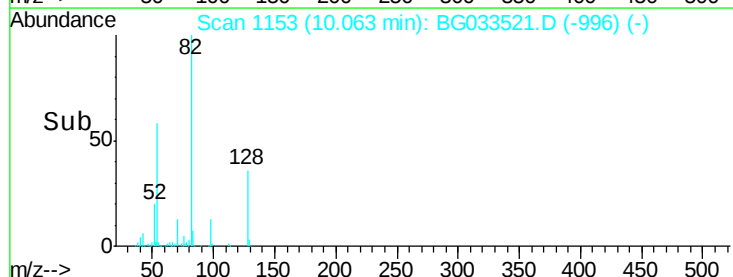
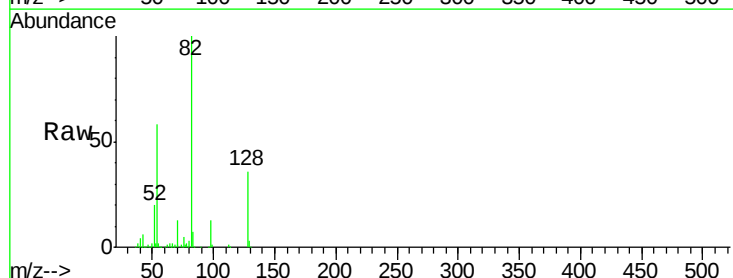
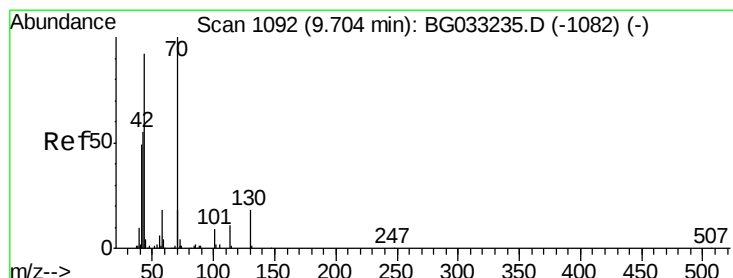
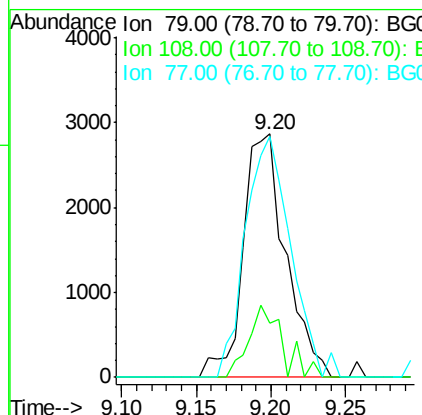




#15  
Benzvl Alcohol  
Concen: 2.411 ng  
RT: 9.20 min Scan# 1006  
Delta R.T. 0.09 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

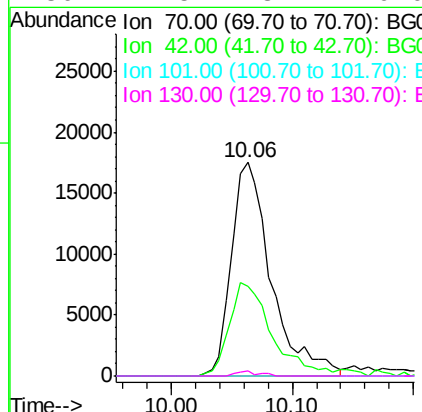
Instrument :  
BNA\_G  
ClientSampleId :

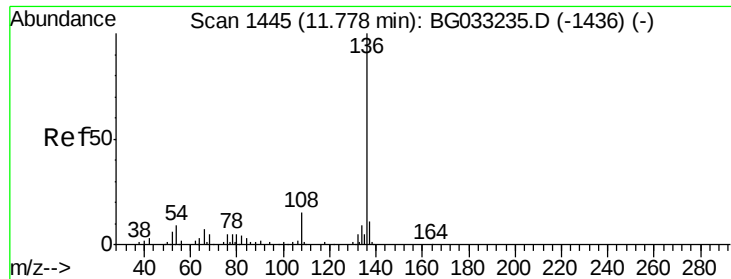
Tot Ion: 79 Resp: 5657  
Ion Ratio Lower Upper  
79 100  
108 22.1 57.2 85.8#  
77 99.0 46.1 69.1#



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.384 ng  
RT: 10.06 min Scan# 1153  
Delta R.T. 0.39 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

Tgt Ion: 70 Resp: 40153  
Ion Ratio Lower Upper  
70 100  
42 41.9 49.1 73.7#  
101 0.0 8.5 12.7#  
130 2.5 13.4 20.0#

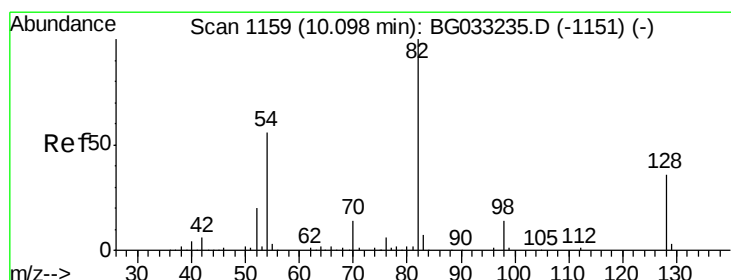
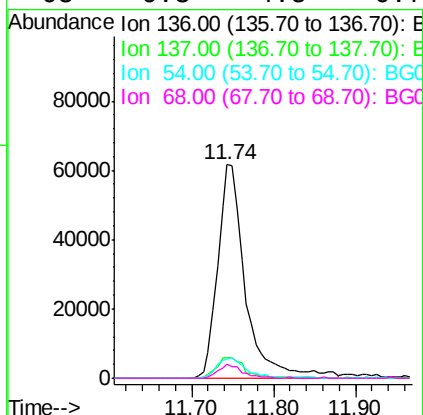
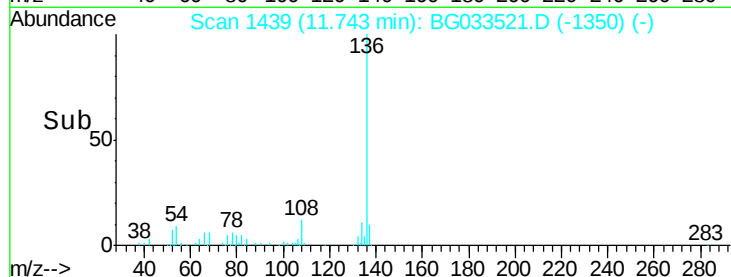
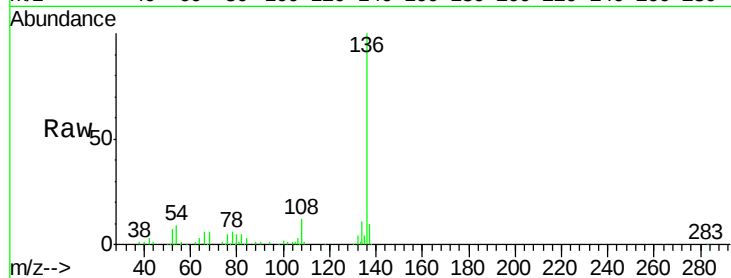




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.74 min Scan# 1439  
Delta R.T. -0.01 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

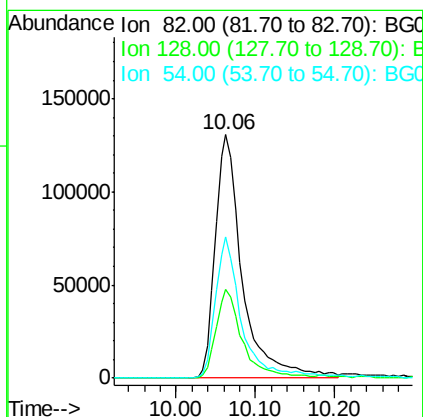
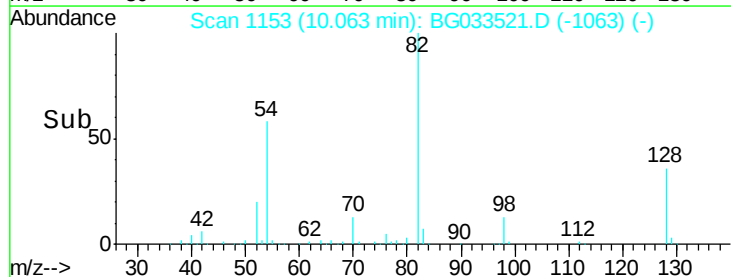
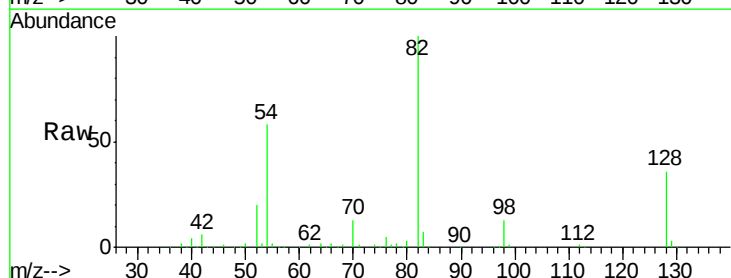
Instrument :  
BNA\_G  
ClientSampleId :

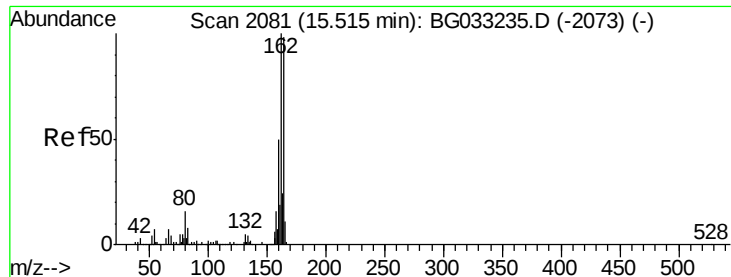
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 145220    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 9.8   | 9.2 13.8  |
| 54          | 8.9   | 10.3 15.5 |
| 68          | 6.3   | 4.5 6.7   |



#23  
Nitrobenzene-d5  
Concen: 98.106 ng  
RT: 10.06 min Scan# 1153  
Delta R.T. 0.00 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 310092    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 36.3  | 29.7 44.5 |
| 54          | 58.1  | 43.1 64.7 |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BG033521.D

Acq: 3 Apr 2018 12:13

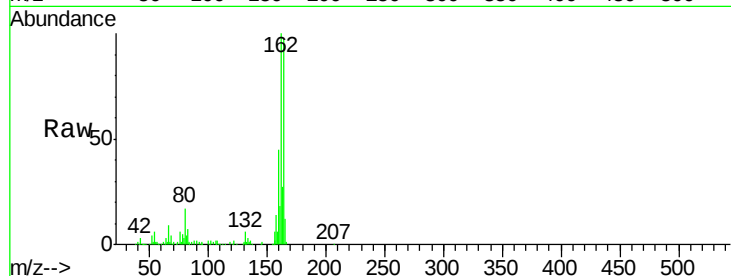
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:164 Resp: 121824

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.5 | 78.8  | 118.2 |
| 160 | 46.5  | 35.4  | 53.0  |

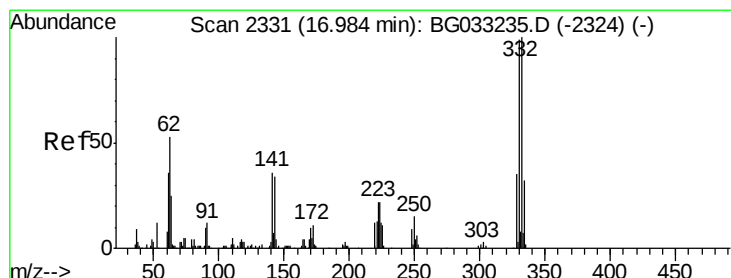
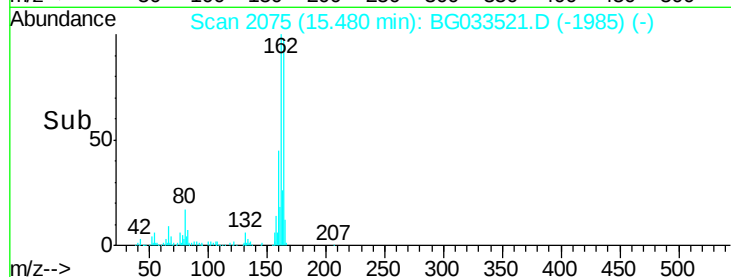
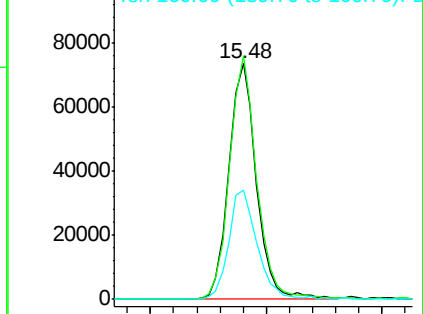


Abundance

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: 89.703 ng

RT: 16.95 min Scan# 2326

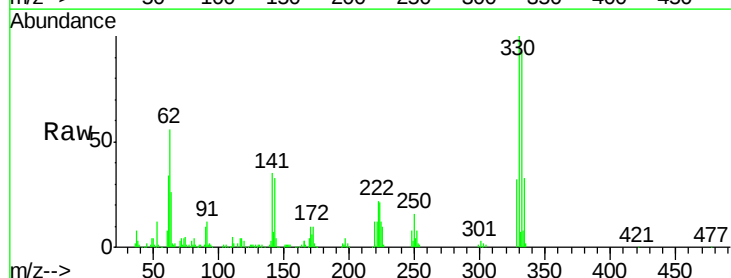
Delta R.T. 0.00 min

Lab File: BG033521.D

Acq: 3 Apr 2018 12:13

Tgt Ion:330 Resp: 163440

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 97.9  | 77.0  | 115.6 |
| 141 | 37.7  | 25.2  | 37.8  |

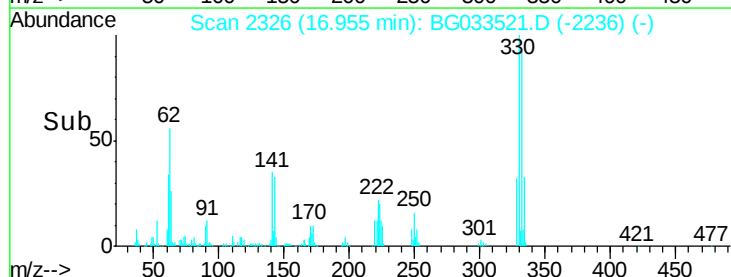
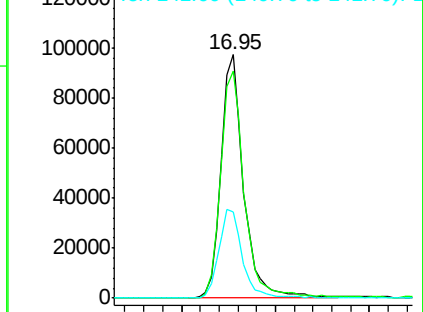


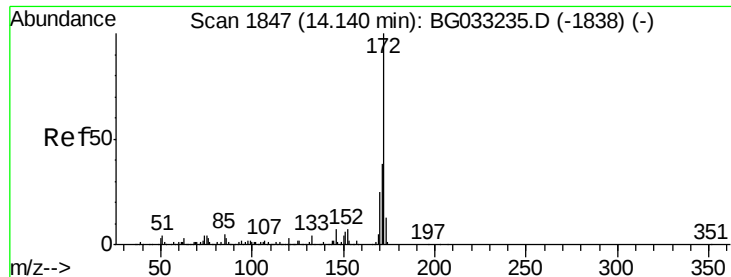
Abundance

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

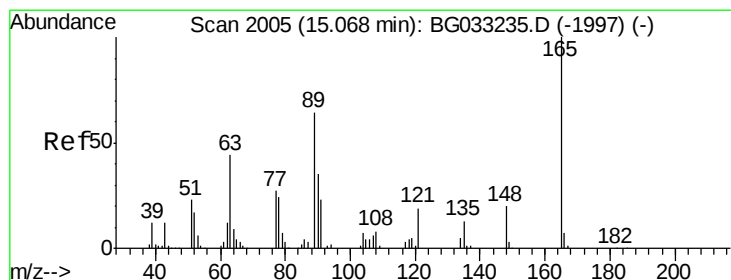
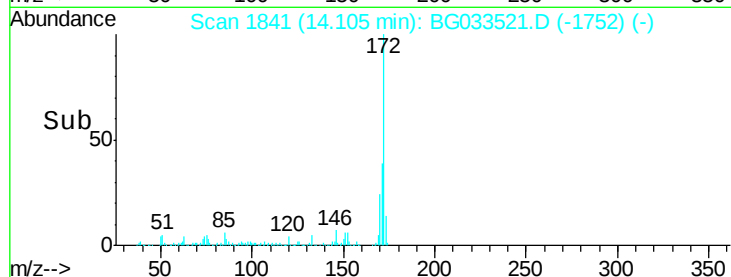
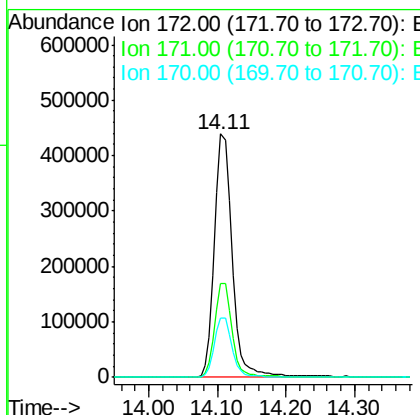
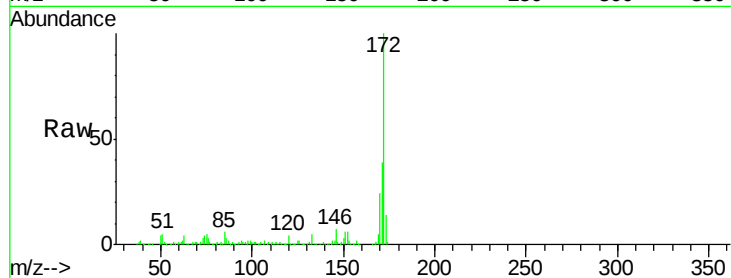




#44  
 2-Fluorobiphenyl  
 Concen: 94.608 ng  
 RT: 14.11 min Scan# 1841  
 Delta R.T. -0.01 min  
 Lab File: BG033521.D  
 Acq: 3 Apr 2018 12:13

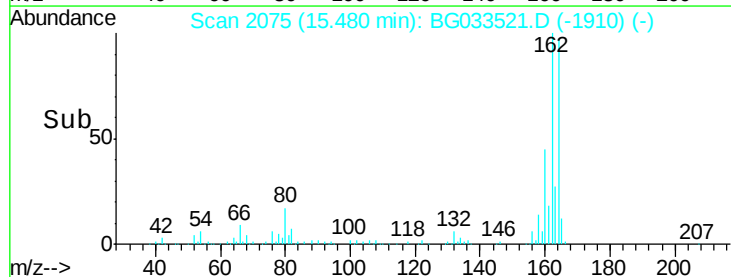
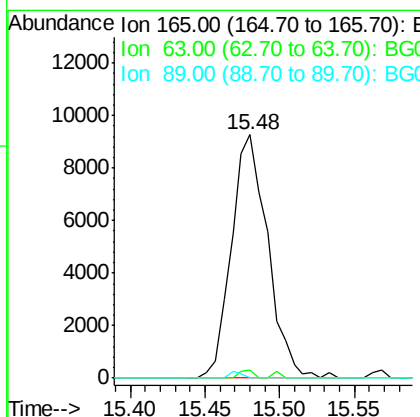
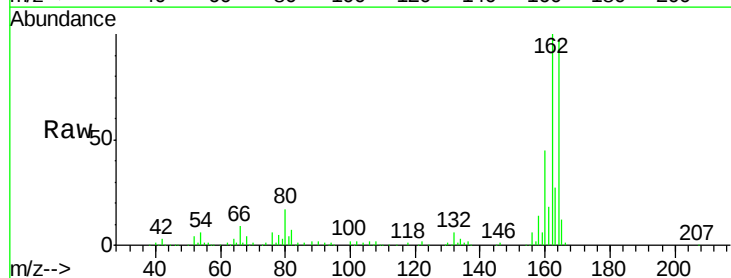
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:172 Resp: 798366  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 30.0 45.0  
 170 24.2 19.5 29.3



#50  
 2,6-Dinitrotoluene  
 Concen: 7.239 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. 0.44 min  
 Lab File: BG033521.D  
 Acq: 3 Apr 2018 12:13

Tgt Ion:165 Resp: 15692  
 Ion Ratio Lower Upper  
 165 100  
 63 3.1 52.7 79.1#  
 89 0.0 49.2 73.8#

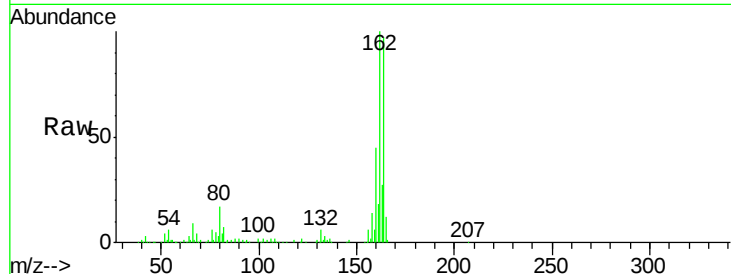




#56  
 2,4-Dinitrotoluene  
 Concen: 4.916 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. -0.33 min  
 Lab File: BG033521.D  
 Acq: 3 Apr 2018 12:13

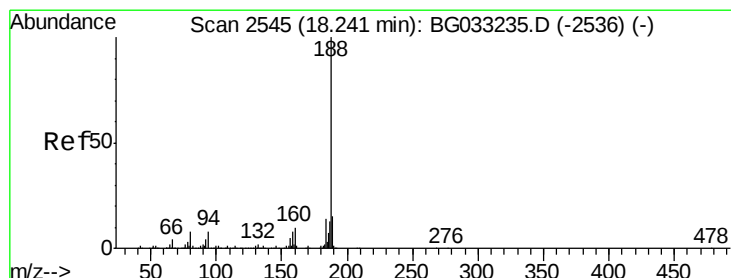
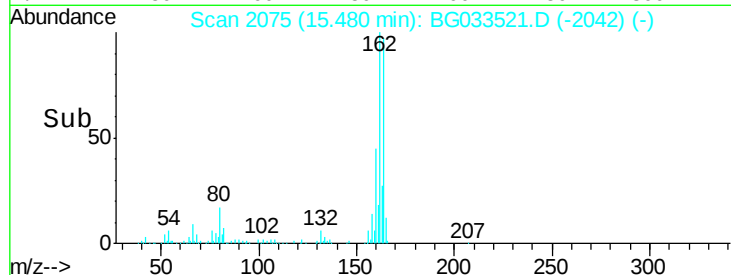
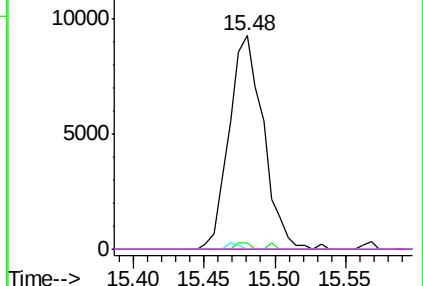
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 15691  
 Ion Ratio Lower Upper  
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 63 3.1 42.0 63.0#  
 89 0.0 66.9 100.3#  
 182 0.0 2.6 3.8#



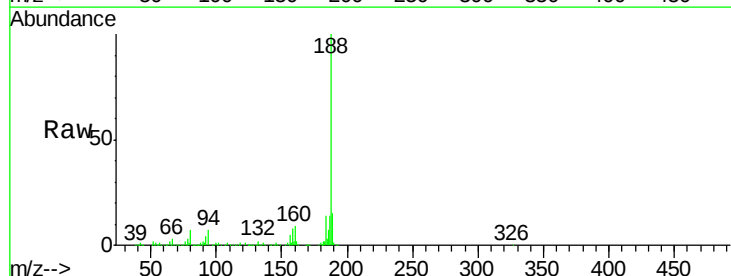
Abundance Ion 165.00 (164.70 to 165.70): E

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



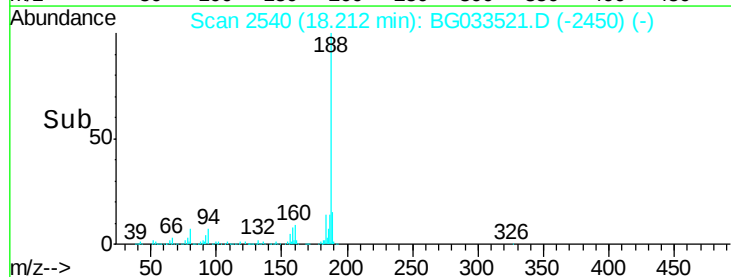
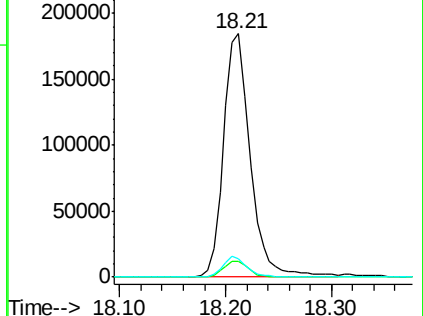
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.21 min Scan# 2540  
 Delta R.T. 0.00 min  
 Lab File: BG033521.D  
 Acq: 3 Apr 2018 12:13

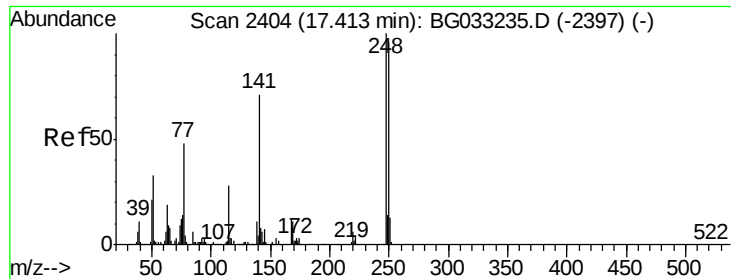
Tgt Ion:188 Resp: 324352  
 Ion Ratio Lower Upper  
 188 100  
 94 6.6 6.9 10.3#  
 80 7.4 7.7 11.5#



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

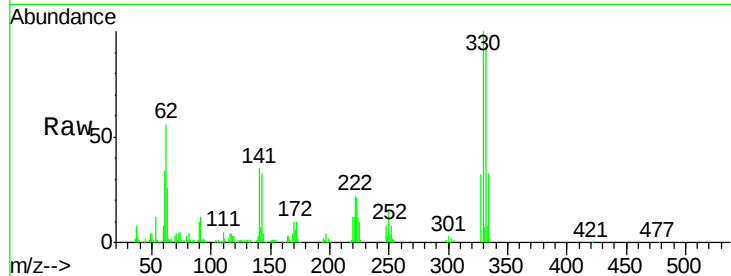




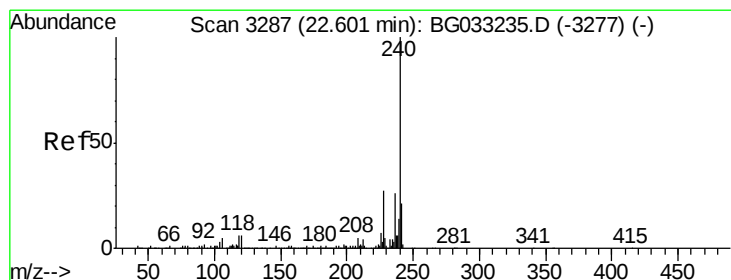
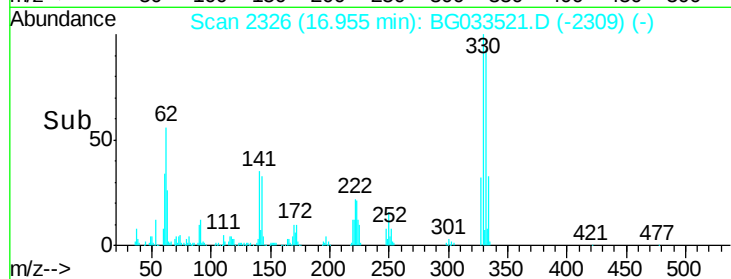
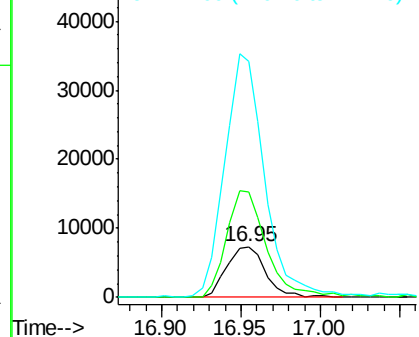
#66  
4-Bromophenyl-phenylether  
Concen: 3.276 ng  
RT: 16.95 min Scan# 2326  
Delta R.T. -0.43 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:248 Resp: 12479  
Ion Ratio Lower Upper  
248 100  
250 209.1 77.1 115.7#  
141 466.7 50.8 76.2#

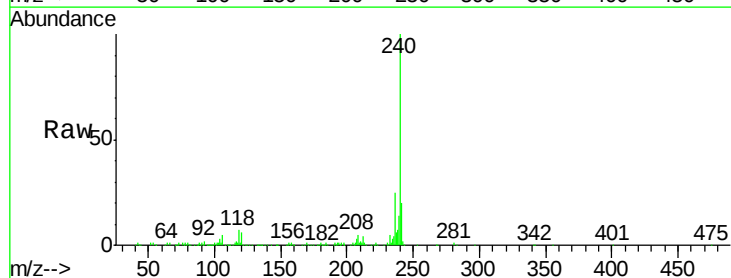


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

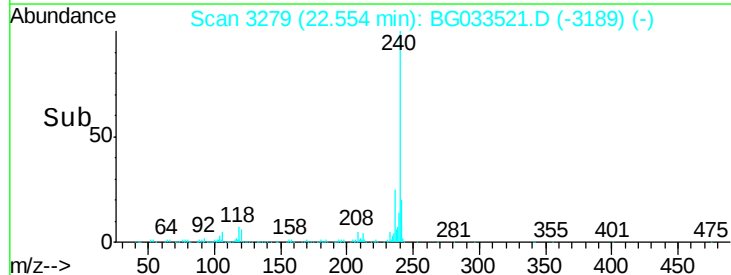
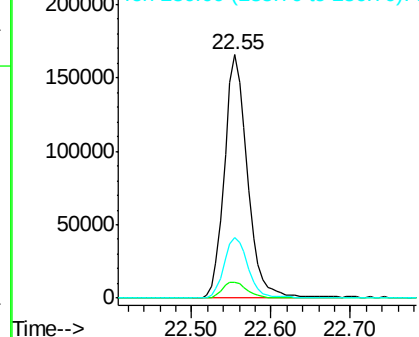


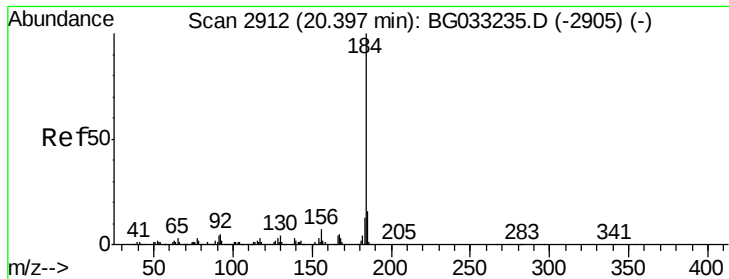
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.55 min Scan# 3279  
Delta R.T. 0.00 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

Tgt Ion:240 Resp: 334494  
Ion Ratio Lower Upper  
240 100  
120 6.4 6.8 10.2#  
236 24.9 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

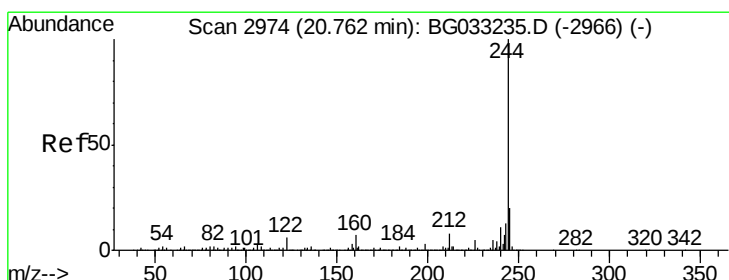
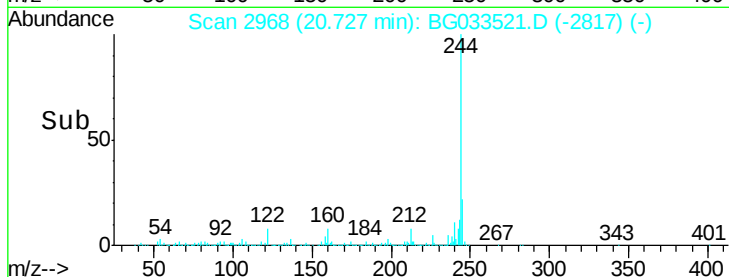
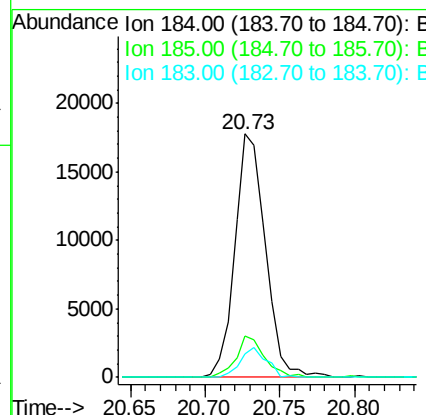
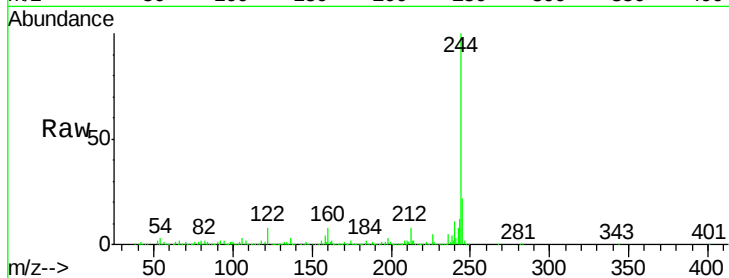




#76  
Benzidine  
Concen: 2.809 ng  
RT: 20.73 min Scan# 2968  
Delta R.T. 0.36 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

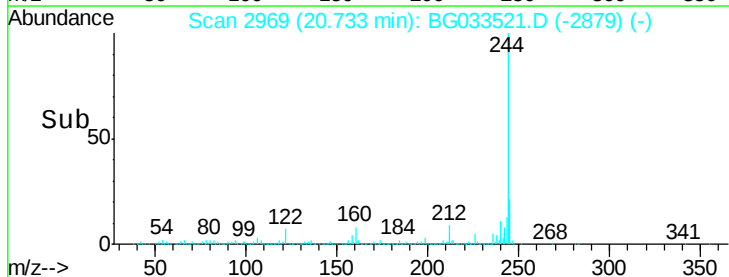
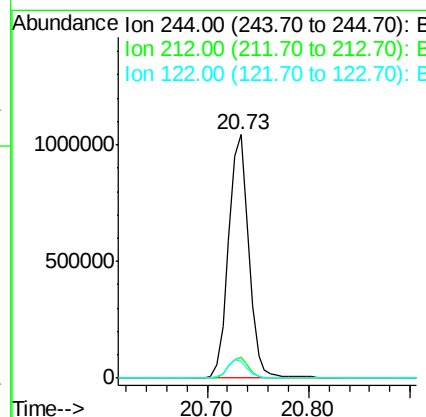
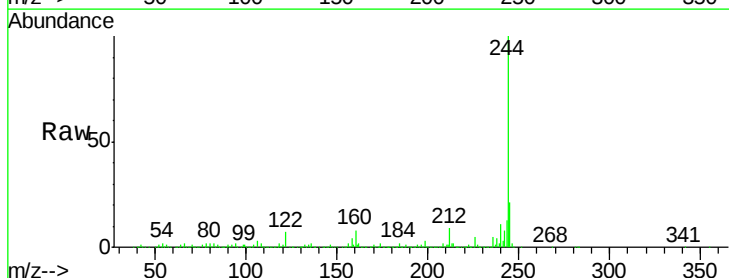
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 25478  
Ion Ratio Lower Upper  
184 100  
185 17.2 11.1 16.7#  
183 9.4 10.6 16.0#



#78  
Terphenyl-d14  
Concen: 92.836 ng  
RT: 20.73 min Scan# 2969  
Delta R.T. 0.00 min  
Lab File: BG033521.D  
Acq: 3 Apr 2018 12:13

Tgt Ion:244 Resp: 1452029  
Ion Ratio Lower Upper  
244 100  
212 8.8 5.8 8.8#  
122 6.9 7.0 10.4#





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 26.31 min Scan# 3919  
 Delta R.T. -0.01 min  
 Lab File: BG033521.D  
 Acq: 3 Apr 2018 12:13

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 17.4  | 26.0  |
| 265     | 21.4  | 17.7  | 26.5  |

