

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\  
 Data File : BG033592.D  
 Acq On : 5 Apr 2018 14:47  
 Operator : SJ/JU  
 Sample : J2209-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 05 17:36:40 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 05 17:36:07 2018  
 Response via : Initial Calibration

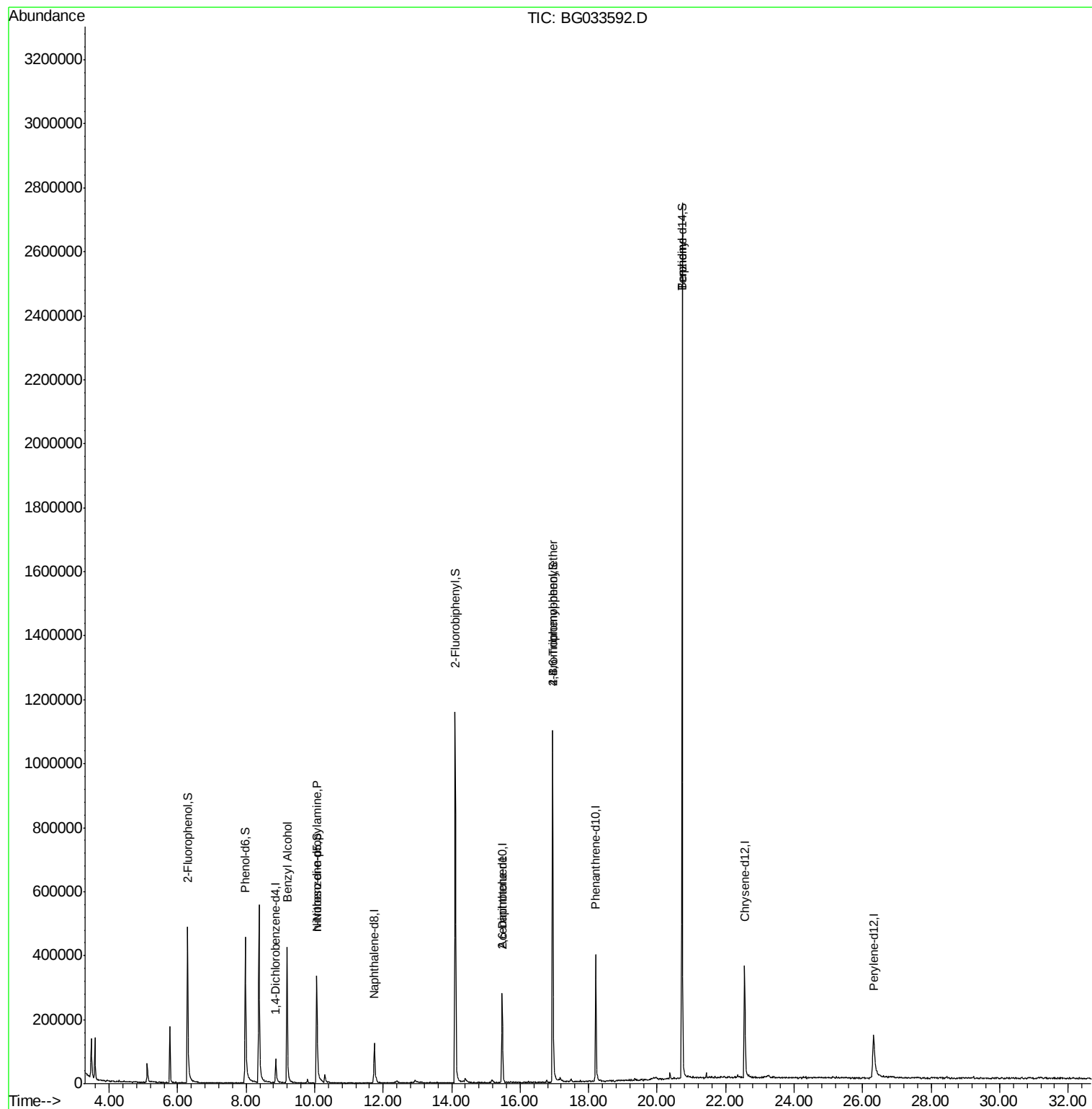
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.86  | 152  | 27722    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.74 | 136  | 129872   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 15.48 | 164  | 105139   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.21 | 188  | 290836   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.55 | 240  | 289851   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 26.32 | 264  | 244615   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.29  | 112  | 247145   | 167.17 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.97  | 99   | 353645   | 139.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 10.06 | 82   | 263477   | 93.21  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.95 | 330  | 212349   | 135.04 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.10 | 172  | 680067   | 93.38  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.73 | 244  | 1340604  | 98.91  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 9.19  | 79   | 4256     | 2.128  | ng    | # 4      |
| 19) n-Nitroso-di-n-propylamine | 10.06 | 70   | 37359    | 20.071 | ng    | # 80     |
| 50) 2,6-Dinitrotoluene         | 15.48 | 165  | 12837    | 6.861  | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 16.95 | 248  | 17108    | 5.009  | ng    | # 1      |
| 76) Benzidine                  | 20.73 | 184  | 22960    | 2.921  | ng    | # 89     |

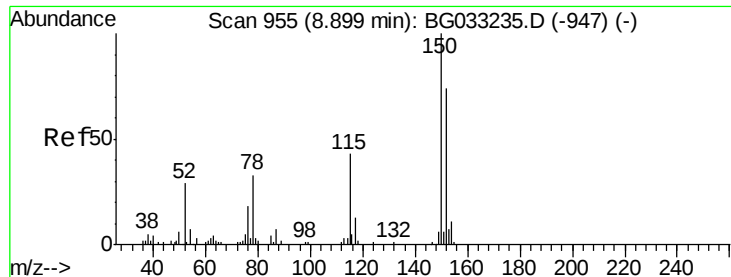
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\  
Data File : BG033592.D  
Acq On : 5 Apr 2018 14:47  
Operator : SJ/JU  
Sample : J2209-02  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Apr 05 17:36:40 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 05 17:36:07 2018  
Response via : Initial Calibration



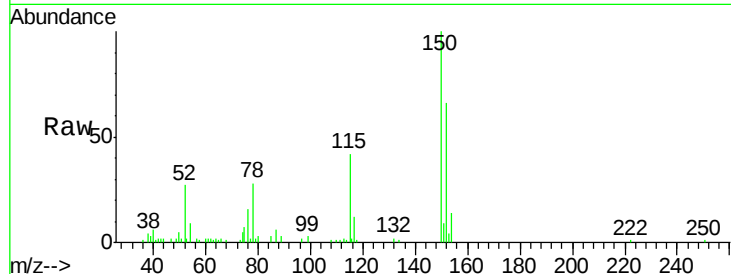


#1

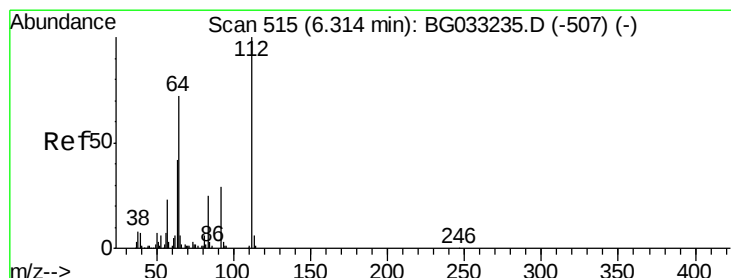
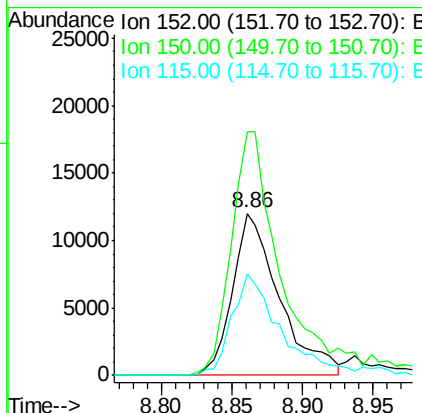
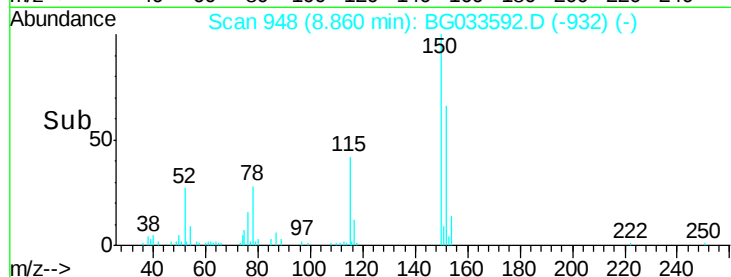
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 948  
Delta R.T. -0.00 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 27722  
Ion Ratio Lower Upper  
152 100  
150 150.5 126.6 189.8  
115 62.7 53.0 79.4



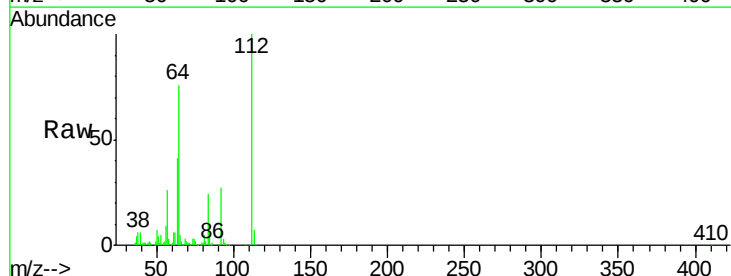
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



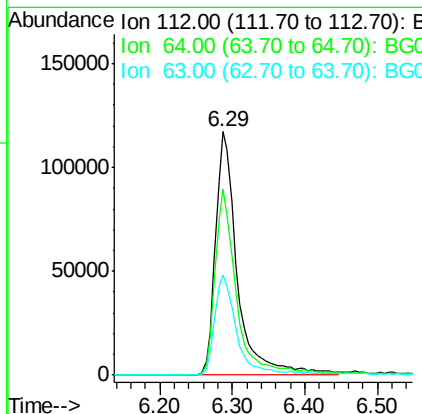
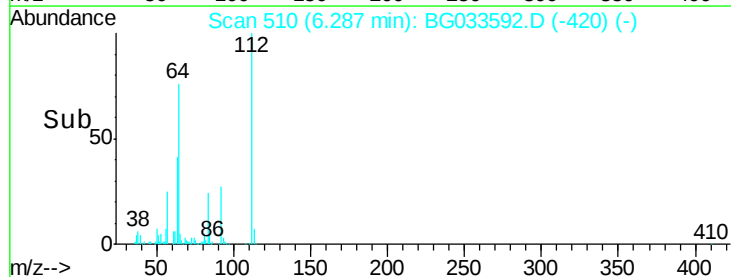
#5

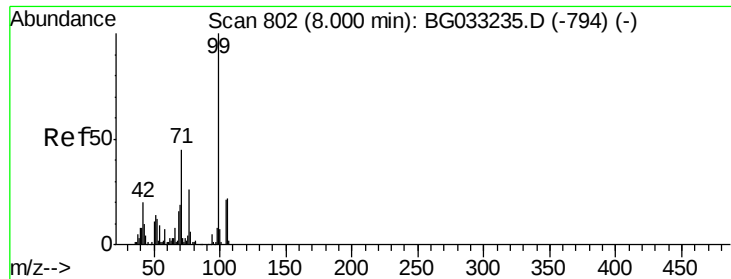
2-Fluorophenol  
Concen: 167.169 ng  
RT: 6.29 min Scan# 510  
Delta R.T. -0.00 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

Tgt Ion:112 Resp: 247145  
Ion Ratio Lower Upper  
112 100  
64 76.1 56.3 84.5  
63 41.4 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: 139.219 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033592.D

Acq: 5 Apr 2018 14:47

Instrument :

BNA\_G

ClientSampleId :

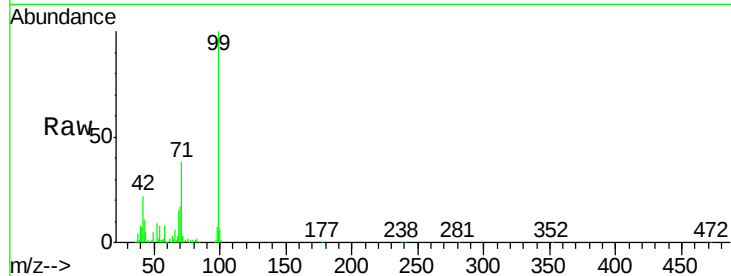
Tot Ion: 99 Resp: 353645

Ion Ratio Lower Upper

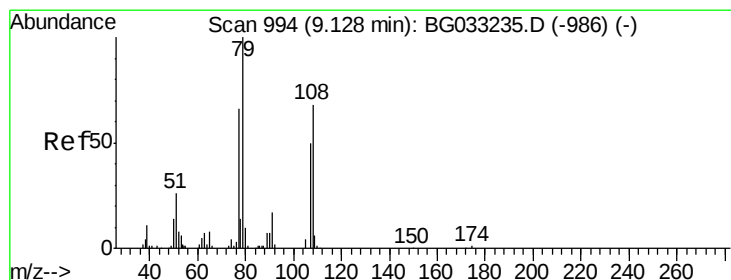
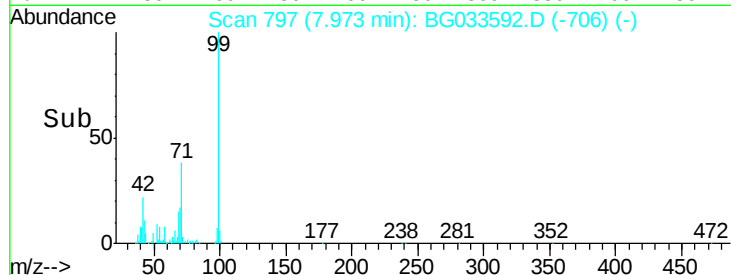
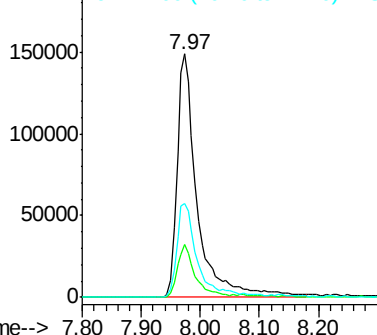
99 100

42 21.7 14.1 21.1#

71 38.3 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: 2.128 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.09 min

Lab File: BG033592.D

Acq: 5 Apr 2018 14:47

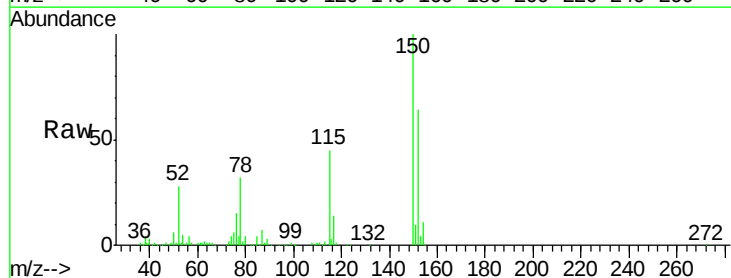
Tgt Ion: 79 Resp: 4256

Ion Ratio Lower Upper

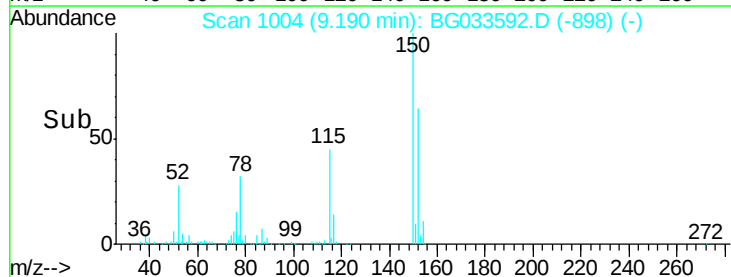
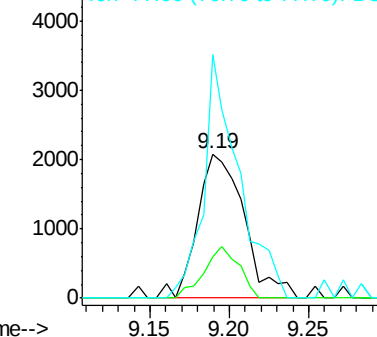
79 100

108 28.7 57.2 85.8#

77 169.3 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

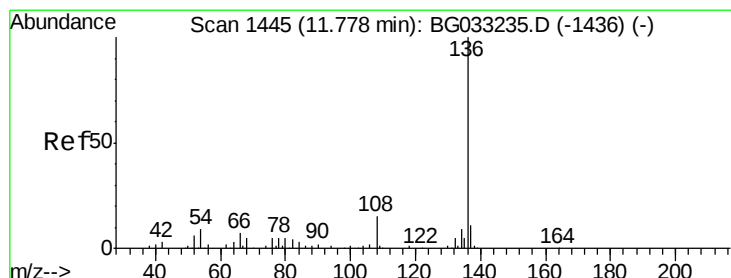
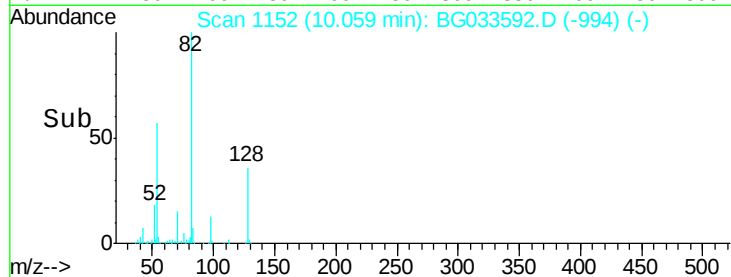
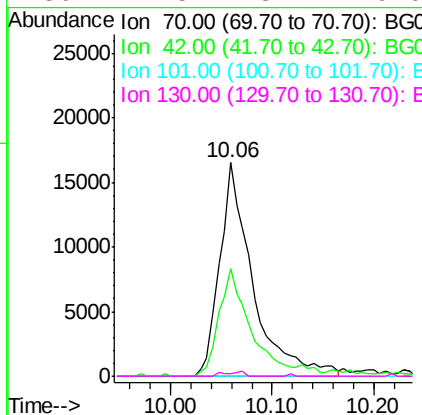
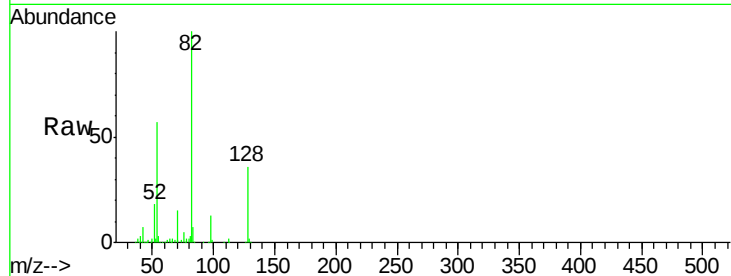




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.071 ng  
RT: 10.06 min Scan# 1152  
Delta R.T. 0.40 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

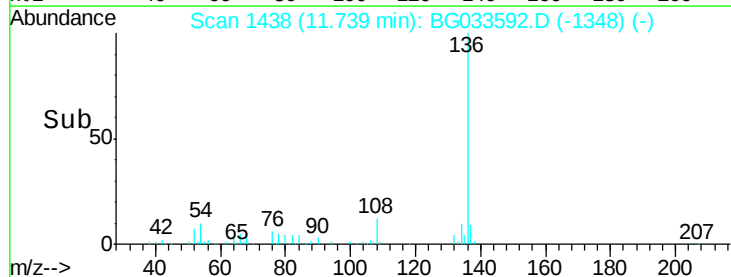
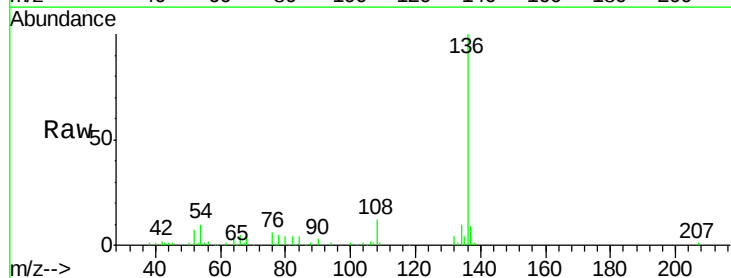
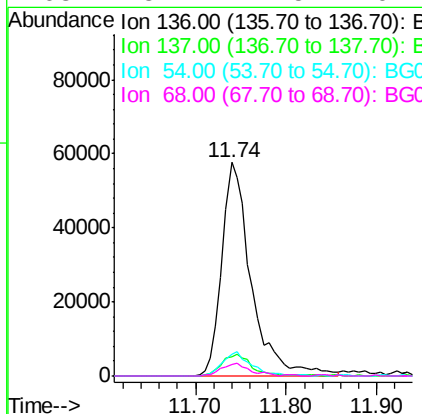
Instrument :  
BNA\_G  
ClientSampled :

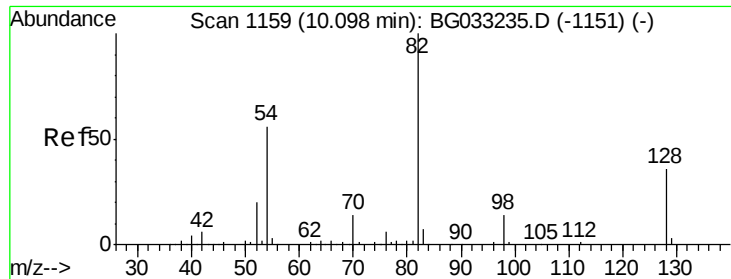
| Tot Ion   | 70   | Resp  | 37359 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 42        | 50.2 | 49.1  | 73.7  |
| 101       | 0.0  | 8.5   | 12.7# |
| 130       | 1.5  | 13.4  | 20.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.74 min Scan# 1438  
Delta R.T. -0.00 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

| Tgt Ion   | 136  | Resp  | 129872 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 137       | 8.8  | 9.2   | 13.8#  |
| 54        | 10.0 | 10.3  | 15.5#  |
| 68        | 5.2  | 4.5   | 6.7    |

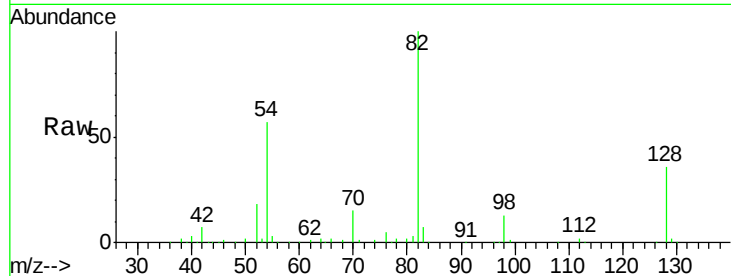




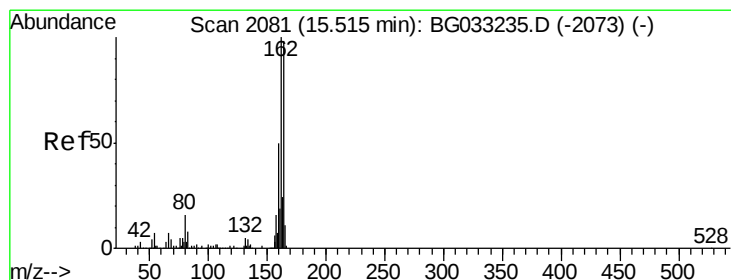
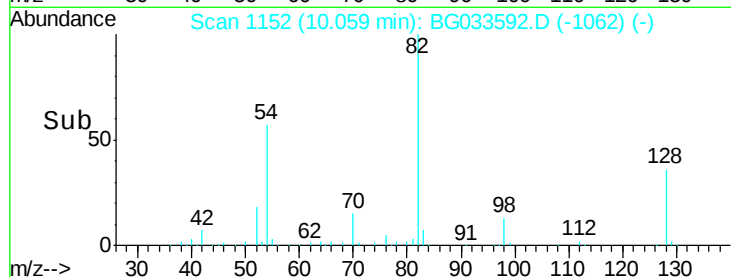
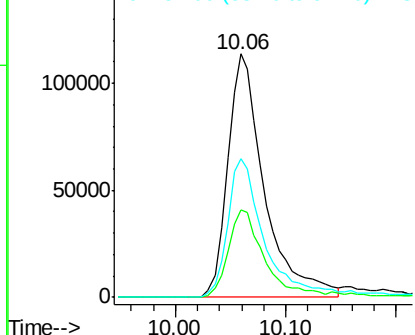
#23  
Nitrobenzene-d5  
Concen: 93.209 ng  
RT: 10.06 min Scan# 1152  
Delta R.T. -0.00 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 82 Resp: 263477  
Ion Ratio Lower Upper  
82 100  
128 35.9 29.7 44.5  
54 56.8 43.1 64.7

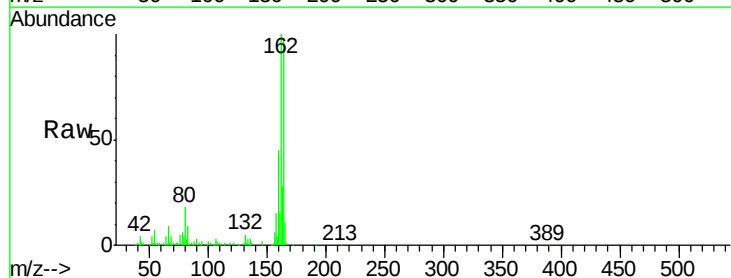


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

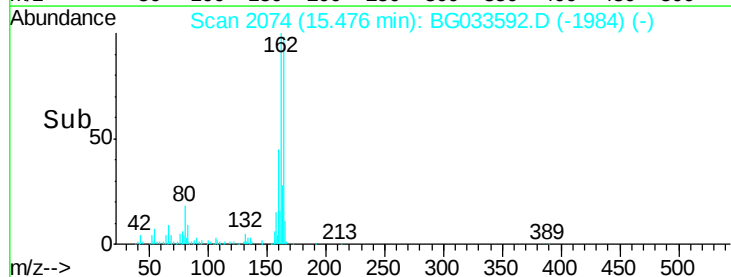
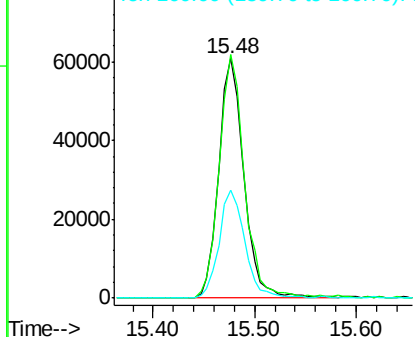


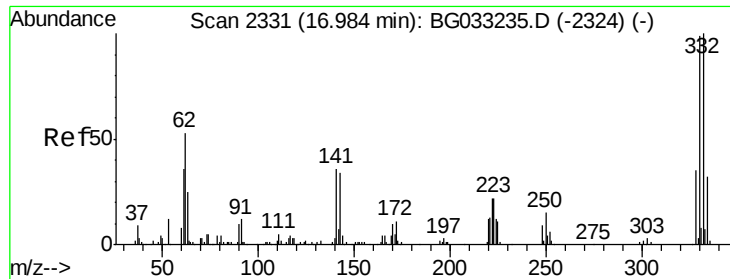
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.48 min Scan# 2074  
Delta R.T. -0.00 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

Tgt Ion:164 Resp: 105139  
Ion Ratio Lower Upper  
164 100  
162 101.7 78.8 118.2  
160 45.3 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

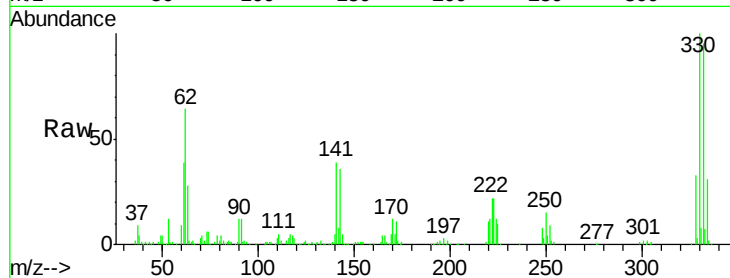




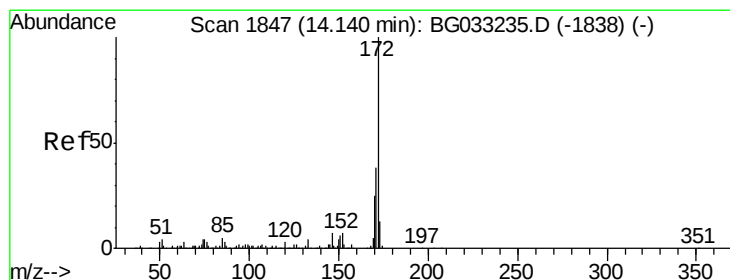
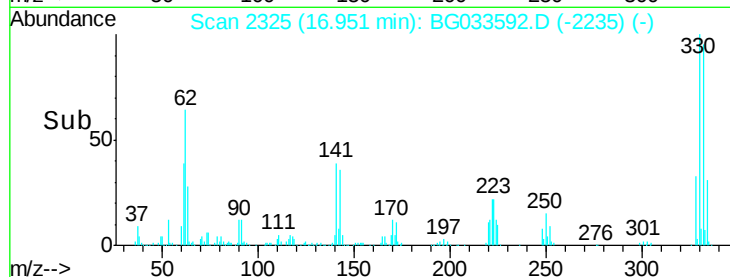
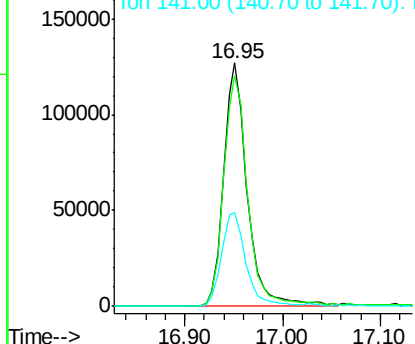
#41  
 2,4,6-Tribromophenol  
 Concen: 135.041 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. -0.00 min  
 Lab File: BG033592.D  
 Acq: 5 Apr 2018 14:47

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 77.0  | 115.6 |
| 141     | 39.8  | 25.2  | 37.8  |

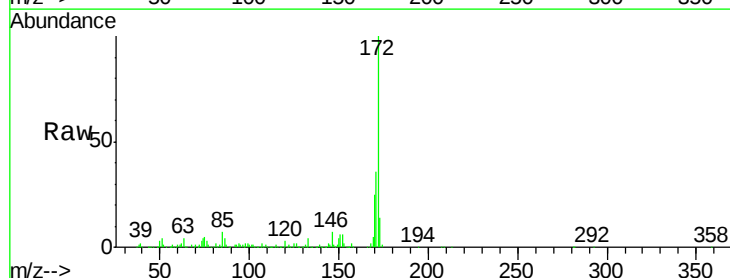


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

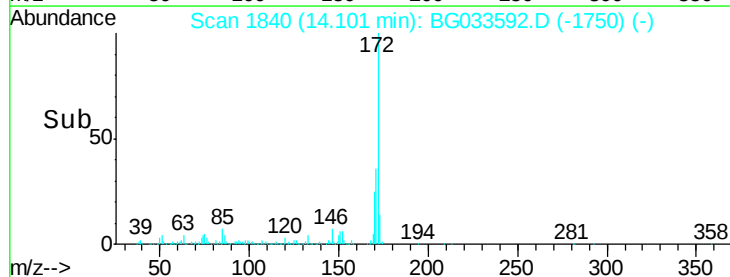
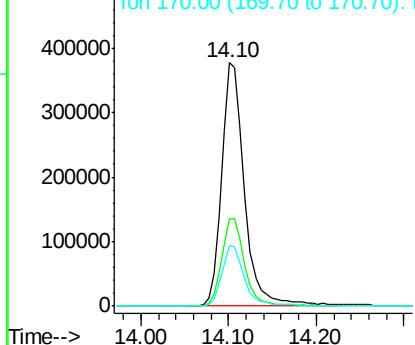


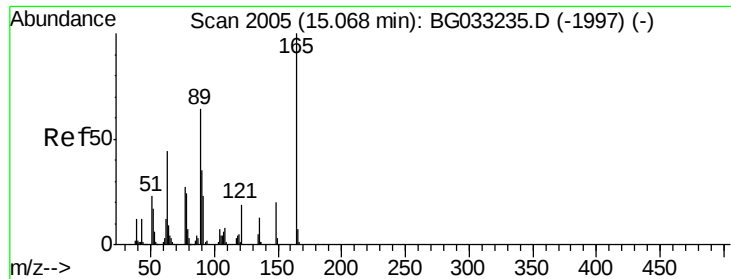
#44  
 2-Fluorobiphenyl  
 Concen: 93.378 ng  
 RT: 14.10 min Scan# 1840  
 Delta R.T. -0.00 min  
 Lab File: BG033592.D  
 Acq: 5 Apr 2018 14:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 30.0  | 45.0  |
| 170     | 24.9  | 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

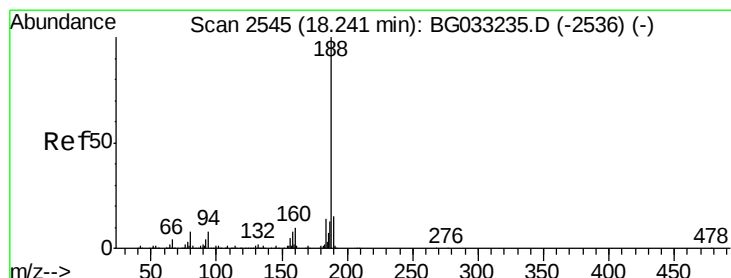
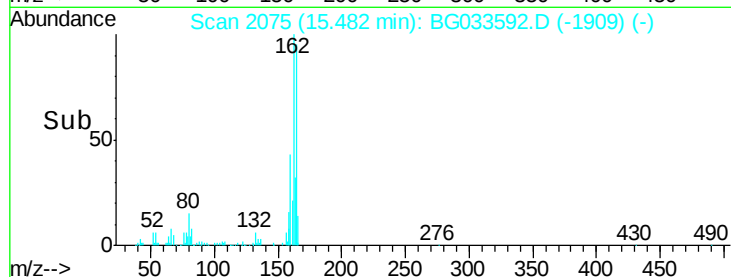
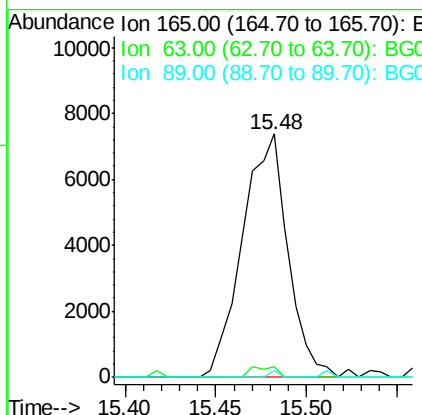
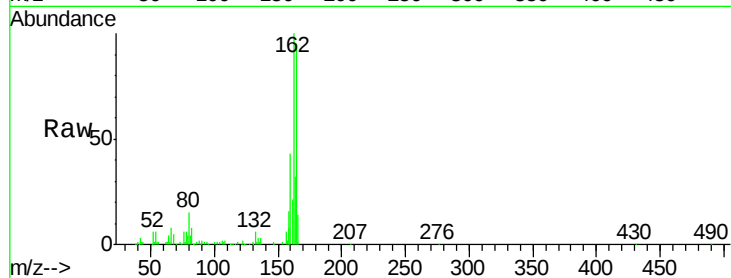




#50  
 2,6-Dinitrotoluene  
 Concen: 6.861 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. 0.44 min  
 Lab File: BG033592.D  
 Acq: 5 Apr 2018 14:47

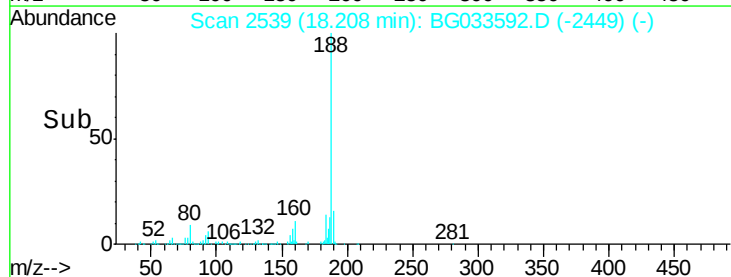
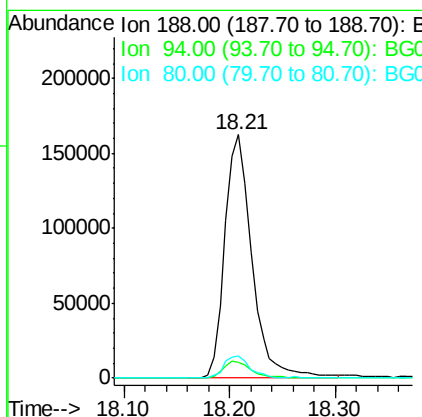
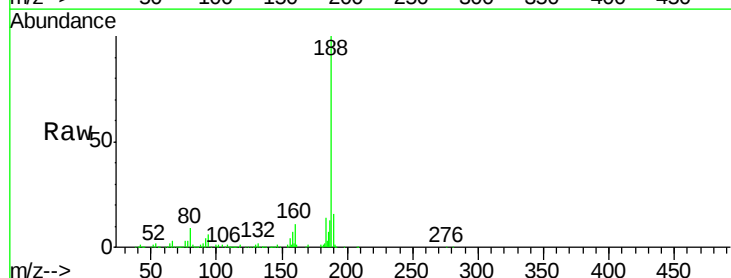
Instrument :  
 BNA\_G  
 ClientSampleId :

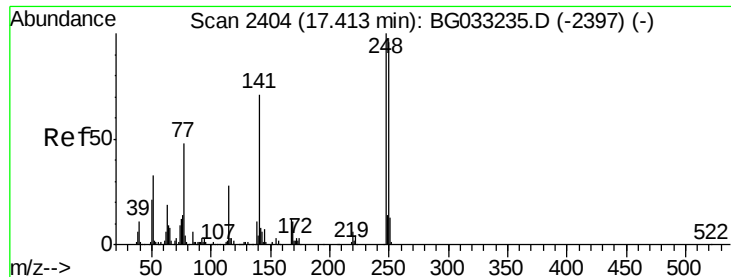
Tot Ion:165 Resp: 12837  
 Ion Ratio Lower Upper  
 165 100  
 63 4.2 52.7 79.1#  
 89 2.9 49.2 73.8#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.21 min Scan# 2539  
 Delta R.T. -0.00 min  
 Lab File: BG033592.D  
 Acq: 5 Apr 2018 14:47

Tgt Ion:188 Resp: 290836  
 Ion Ratio Lower Upper  
 188 100  
 94 6.4 6.9 10.3#  
 80 9.2 7.7 11.5

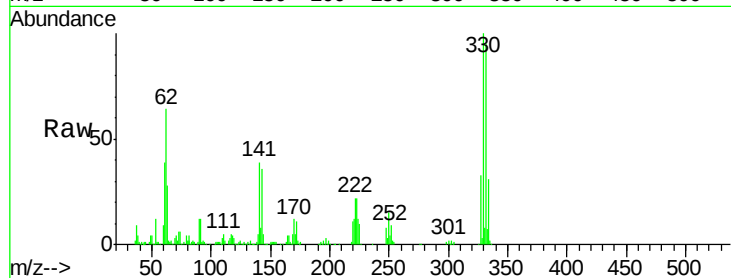




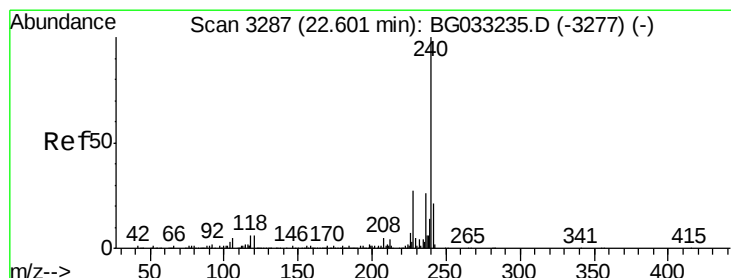
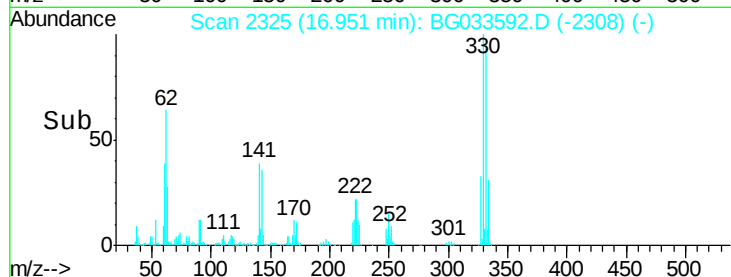
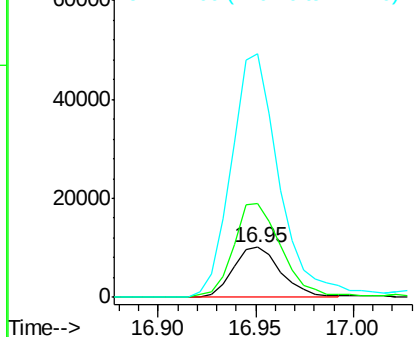
#66  
4-Bromophenyl-phenylether  
Concen: 5.009 ng  
RT: 16.95 min Scan# 2325  
Delta R.T. -0.43 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 17108  
Ion Ratio Lower Upper  
248 100  
250 187.3 77.1 115.7#  
141 486.5 50.8 76.2#

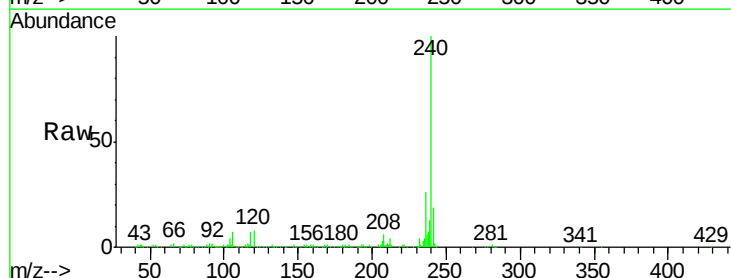


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

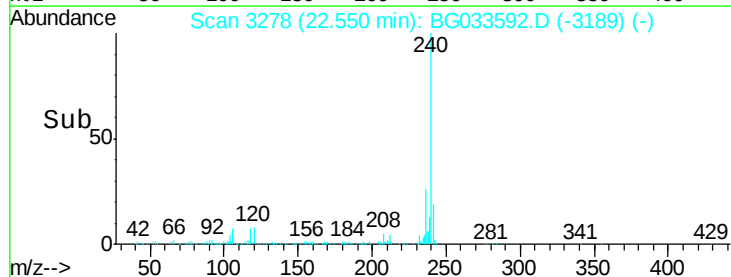
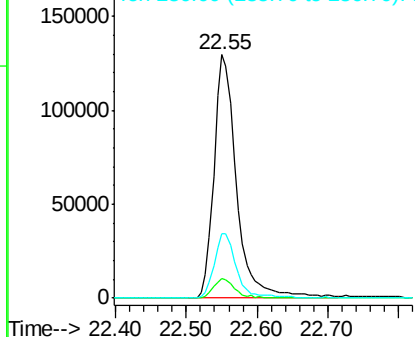


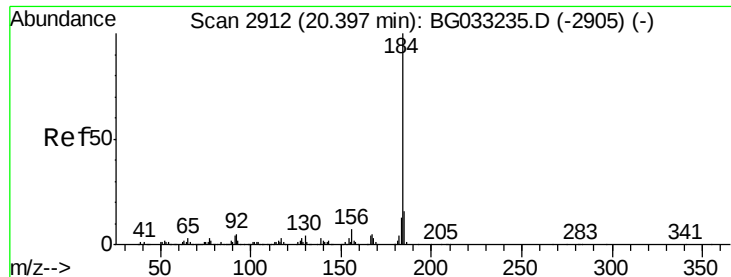
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.55 min Scan# 3278  
Delta R.T. -0.01 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

Tgt Ion:240 Resp: 289851  
Ion Ratio Lower Upper  
240 100  
120 8.0 6.8 10.2  
236 26.2 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

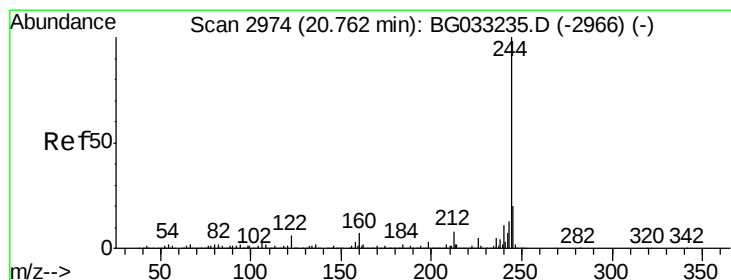
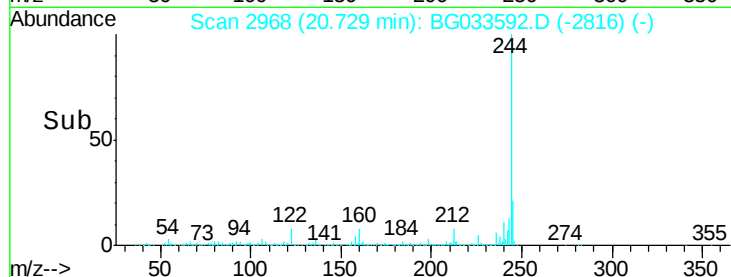
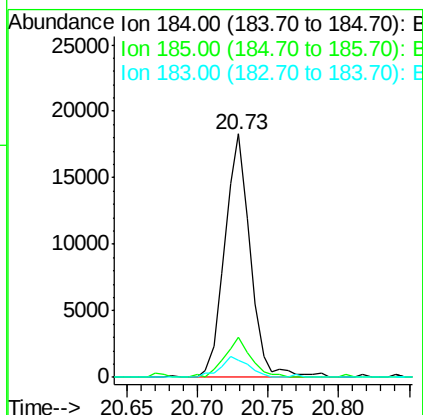
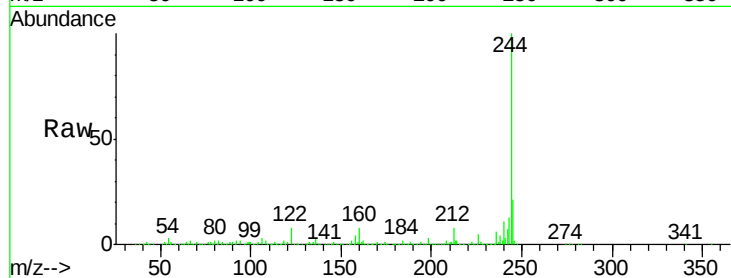




#76  
Benzidine  
Concen: 2.921 ng  
RT: 20.73 min Scan# 2968  
Delta R.T. 0.36 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

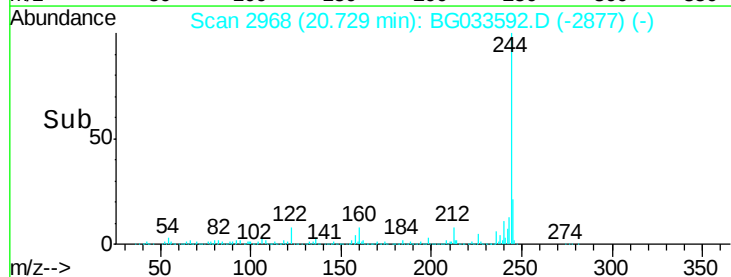
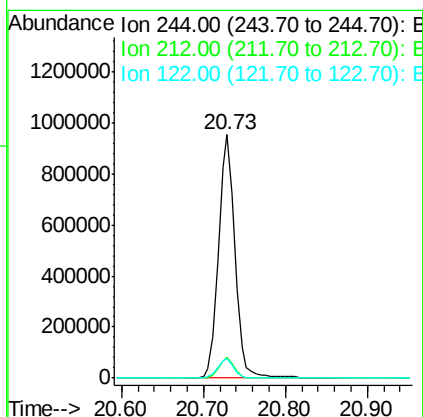
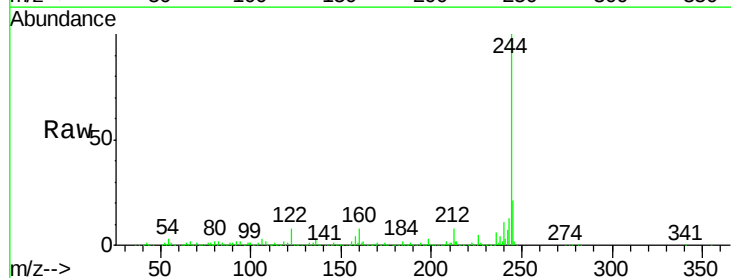
Instrument :  
BNA\_G  
ClientSampleId :

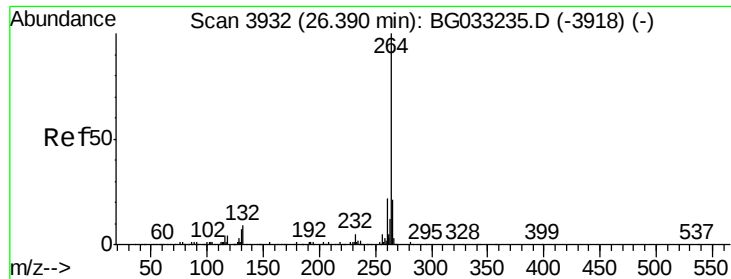
Tot Ion:184 Resp: 22960  
Ion Ratio Lower Upper  
184 100  
185 16.7 11.1 16.7#  
183 7.1 10.6 16.0#



#78  
Terphenyl-d14  
Concen: 98.914 ng  
RT: 20.73 min Scan# 2968  
Delta R.T. 0.00 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

Tgt Ion:244 Resp: 1340604  
Ion Ratio Lower Upper  
244 100  
212 8.4 5.8 8.8  
122 7.8 7.0 10.4

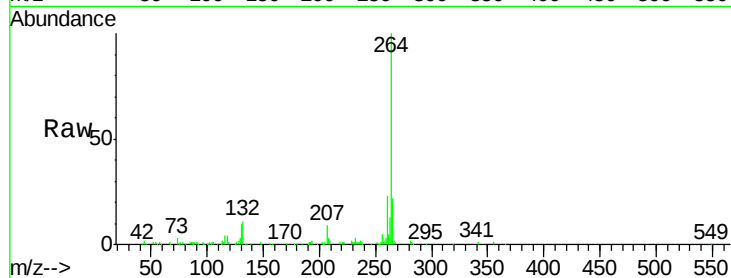




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.32 min Scan# 3920  
Delta R.T. 0.00 min  
Lab File: BG033592.D  
Acq: 5 Apr 2018 14:47

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 17.4  | 26.0  |
| 265     | 21.6  | 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

