

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110718\  
 Data File : BG037868.D  
 Acq On : 7 Nov 2018 16:44  
 Operator : JU/SJ  
 Sample : J5820-17  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 08 08:59:32 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

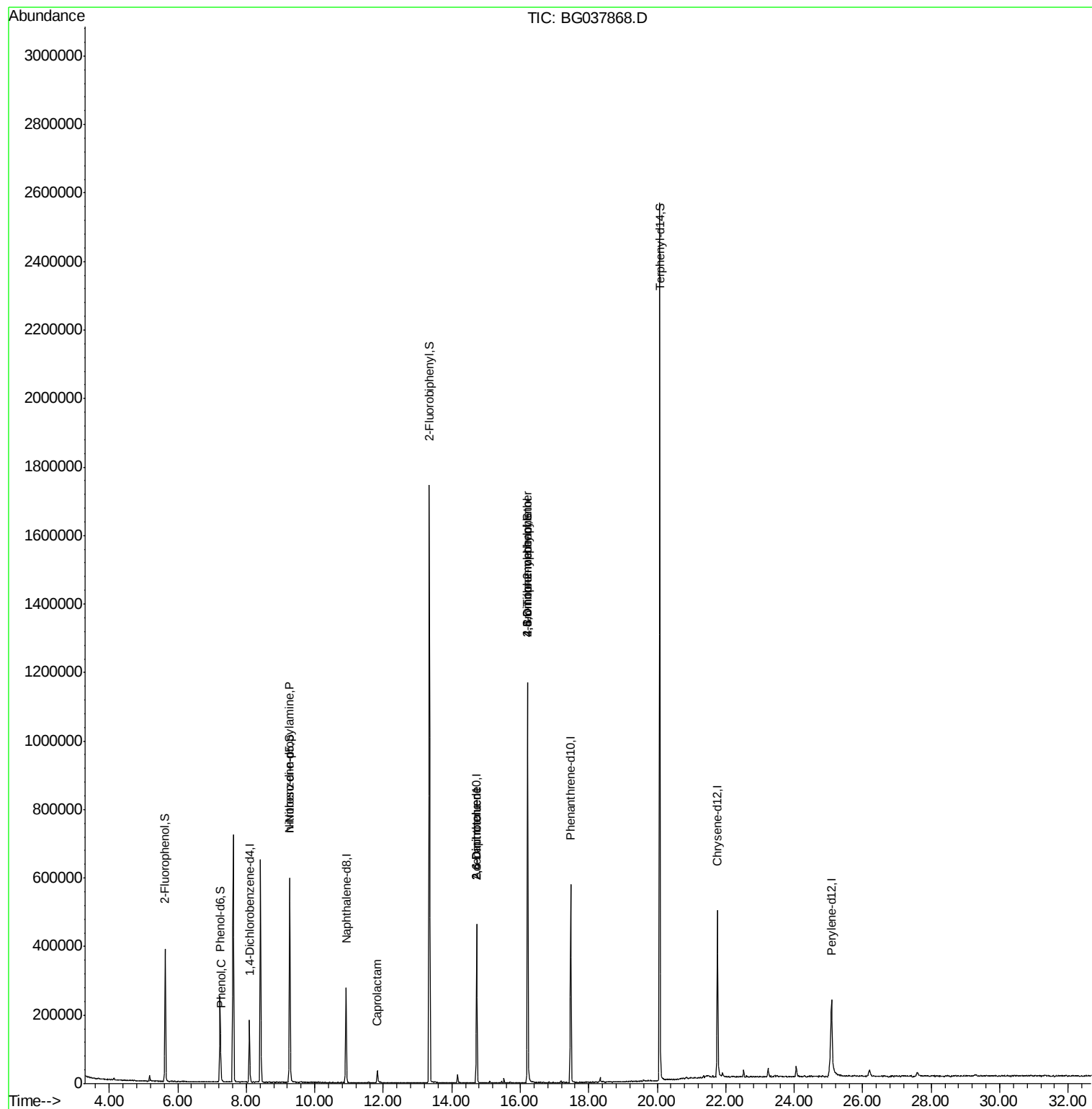
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.09  | 152  | 54670    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8             | 10.92 | 136  | 253131   | 20.00  | ng    | -0.01     |
| 39) Acenaphthene-d10           | 14.73 | 164  | 167531   | 20.00  | ng    | -0.01     |
| 64) Phenanthrene-d10           | 17.47 | 188  | 370774   | 20.00  | ng    | -0.01     |
| 76) Chrysene-d12               | 21.76 | 240  | 336169   | 20.00  | ng    | -0.02     |
| 87) Perylene-d12               | 25.09 | 264  | 303965   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.63  | 112  | 183076   | 55.99  | ng    | -0.01     |
| 7) Phenol-d6                   | 7.23  | 99   | 170801   | 34.54  | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 9.27  | 82   | 378229   | 83.70  | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol       | 16.21 | 330  | 218497   | 119.58 | ng    | -0.01     |
| 45) 2-Fluorobiphenyl           | 13.35 | 172  | 925769   | 83.33  | ng    | -0.02     |
| 79) Terphenyl-d14              | 20.07 | 244  | 1298096  | 82.51  | ng    | -0.01     |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 7.26  | 94   | 13942    | 2.67   | ng    | Qvalue 96 |
| 19) n-Nitroso-di-n-propylamine | 9.27  | 70   | 47111    | 13.84  | ng    | # 72      |
| 35) Caprolactam                | 11.83 | 113  | 8693     | 5.16   | ng    | # 83      |
| 51) 2,6-Dinitrotoluene         | 14.73 | 165  | 21921    | 7.65   | ng    | # 24      |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 21921    | 5.82   | ng    | # 24      |
| 65) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 688      | 8.80   | ng    | 74        |
| 67) 4-Bromophenyl-phenylether  | 16.21 | 248  | 15703    | 3.86   | ng    | # 1       |

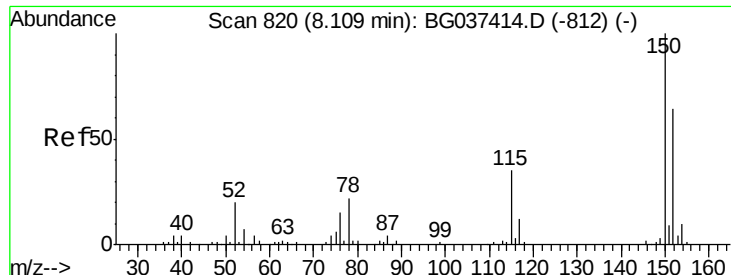
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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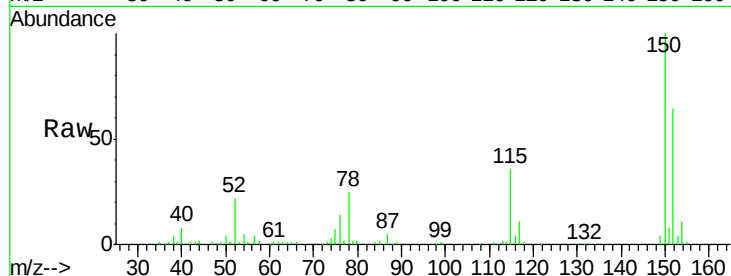


#1

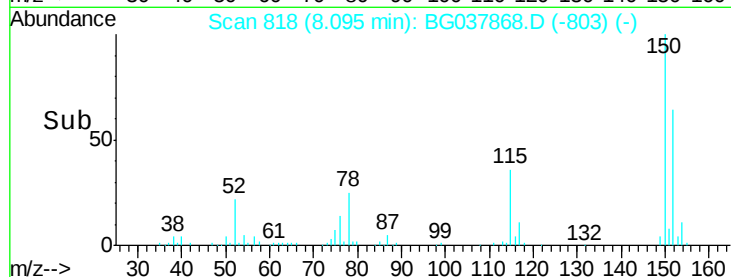
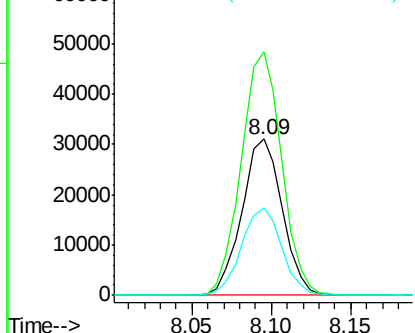
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.09 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BG037868.D  
Acq: 7 Nov 2018 16:44

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 54670  
Ion Ratio Lower Upper  
152 100  
150 155.9 126.0 189.0  
115 56.3 45.5 68.3



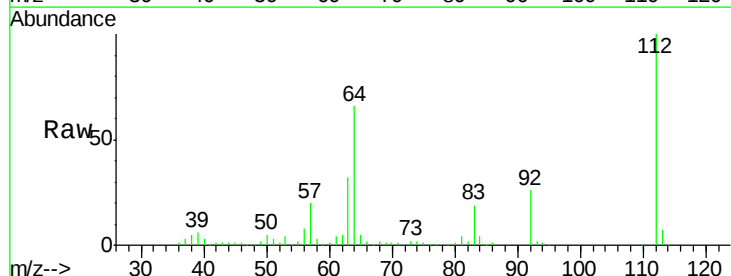
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



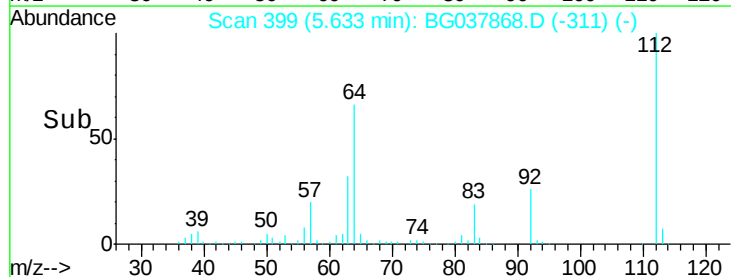
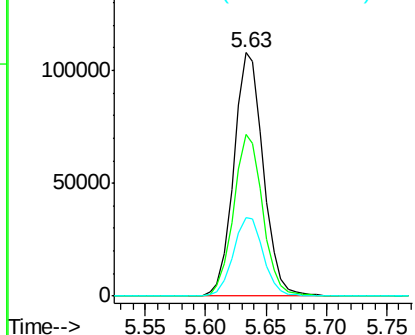
#5

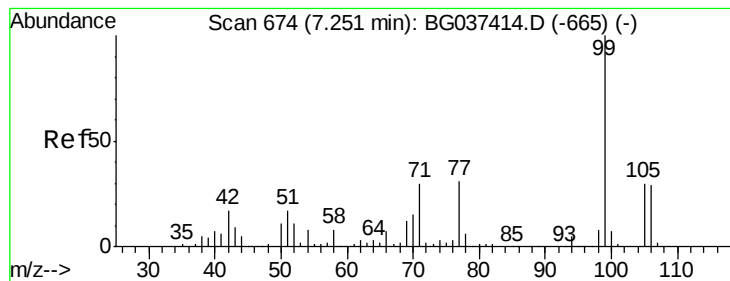
2-Fluorophenol  
Concen: 55.99 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG037868.D  
Acq: 7 Nov 2018 16:44

Tgt Ion:112 Resp: 183076  
Ion Ratio Lower Upper  
112 100  
64 66.4 53.1 79.7  
63 32.2 27.3 40.9



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: 34.54 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037868.D

Acq: 7 Nov 2018 16:44

Instrument :

BNA\_G

ClientSampleId :

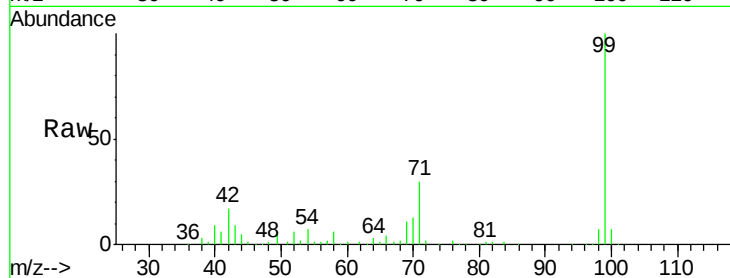
Tot Ion: 99 Resp: 170801

Ion Ratio Lower Upper

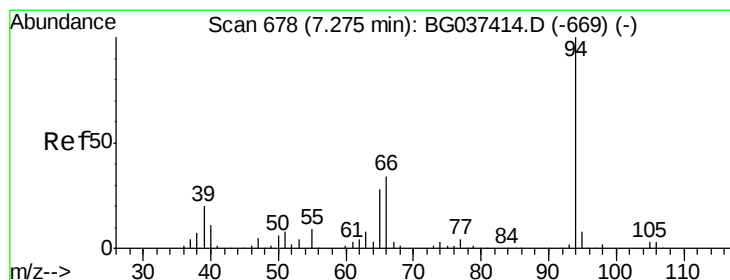
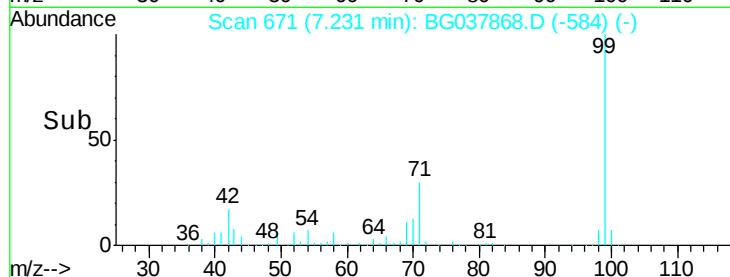
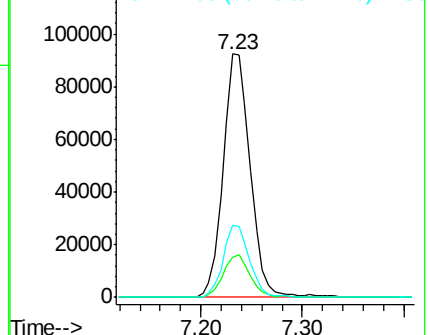
99 100

42 16.6 15.0 22.4

71 29.7 25.5 38.3



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: 2.67 ng

RT: 7.26 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG037868.D

Acq: 7 Nov 2018 16:44

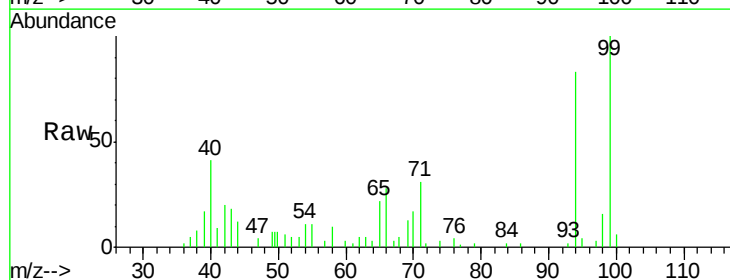
Tgt Ion: 94 Resp: 13942

Ion Ratio Lower Upper

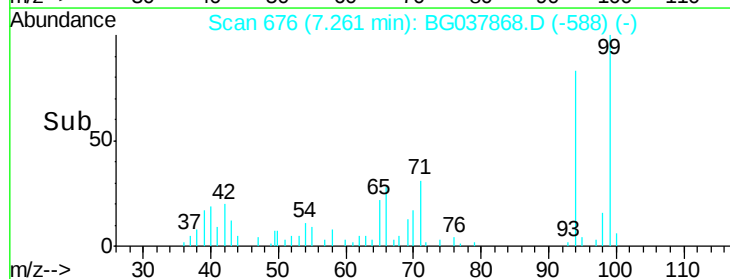
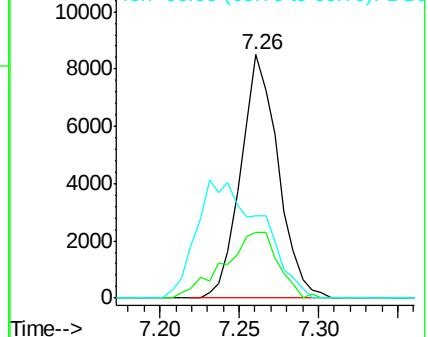
94 100

65 26.9 9.7 49.7

66 33.6 15.9 55.9



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





#19

n-Nitroso-di-n-propylamine

Concen: 13.84 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037868.D

Acq: 7 Nov 2018 16:44

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 47111

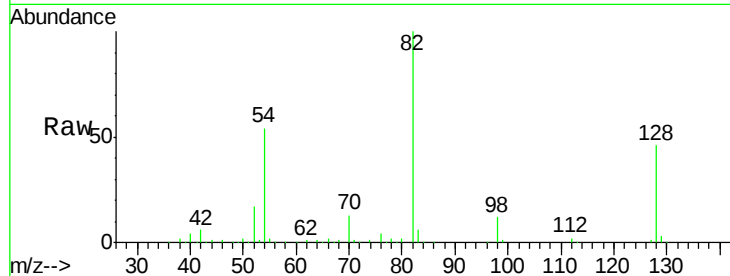
Ion Ratio Lower Upper

70 100

42 49.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.2 18.2 27.4#

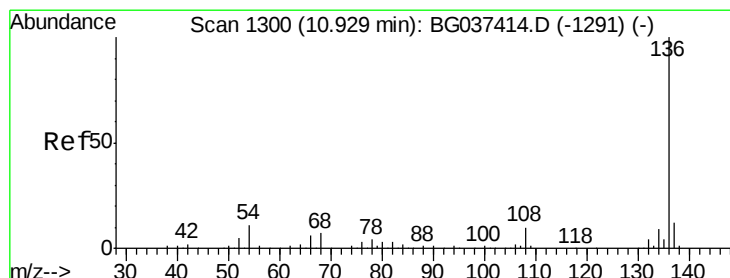
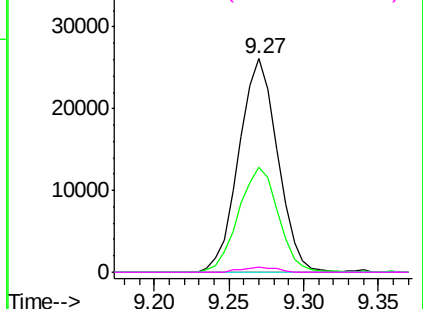
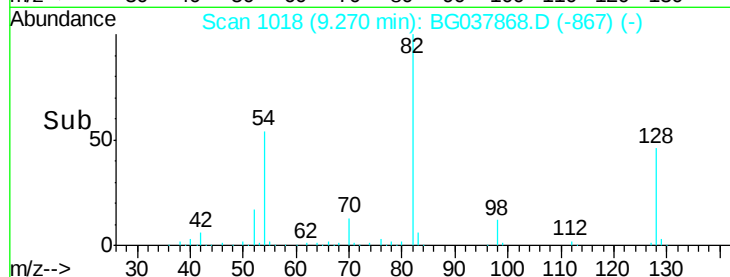


Abundance Ion 70.00 (69.70 to 70.70): BGC

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.92 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BG037868.D

Acq: 7 Nov 2018 16:44

Tgt Ion: 136 Resp: 253131

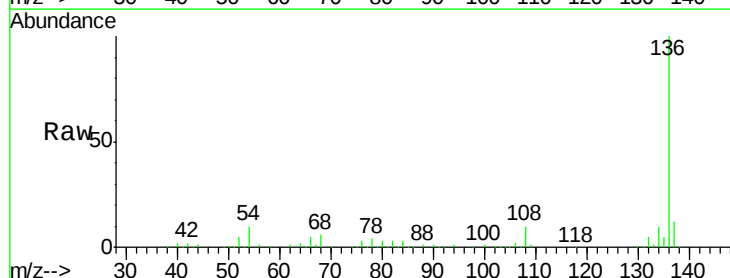
Ion Ratio Lower Upper

136 100

137 12.3 9.6 14.4

54 10.5 7.9 11.9

68 6.1 4.8 7.2

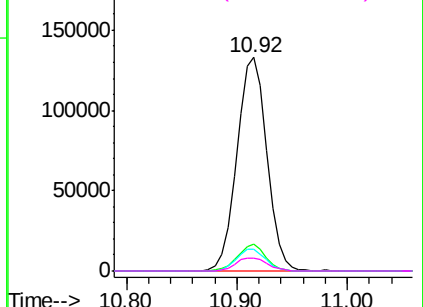
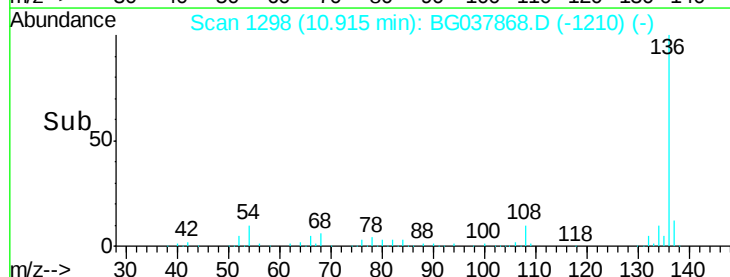


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

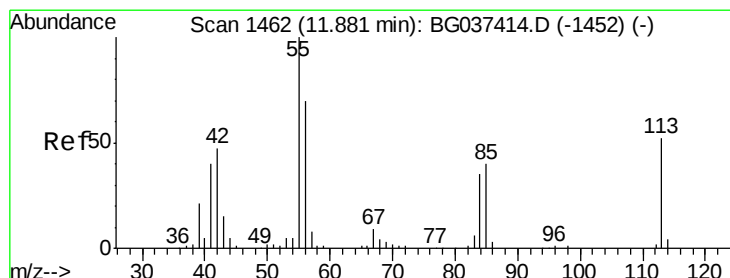
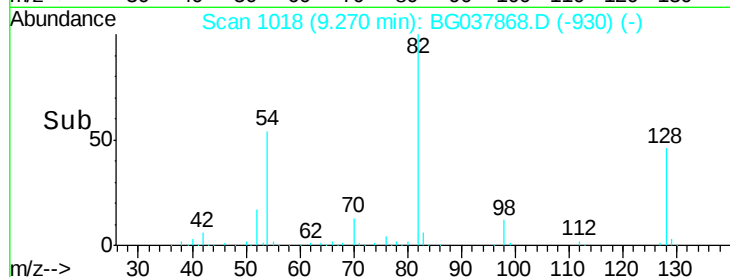
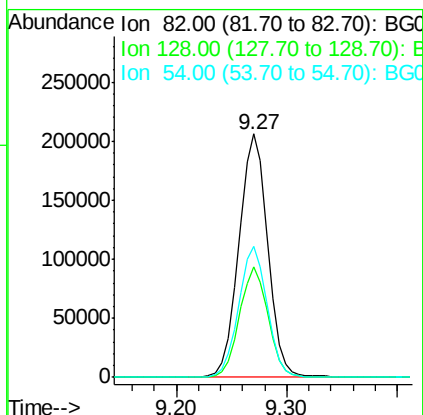
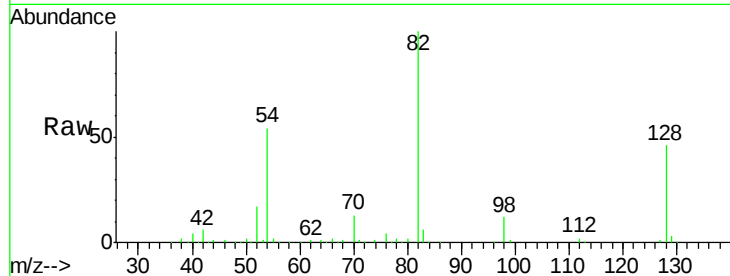




#23  
 Nitrobenzene-d5  
 Concen: 83.70 ng  
 RT: 9.27 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

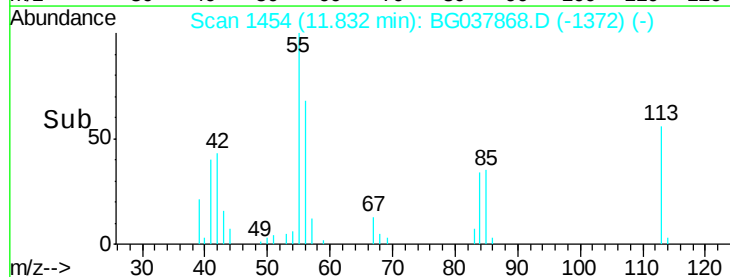
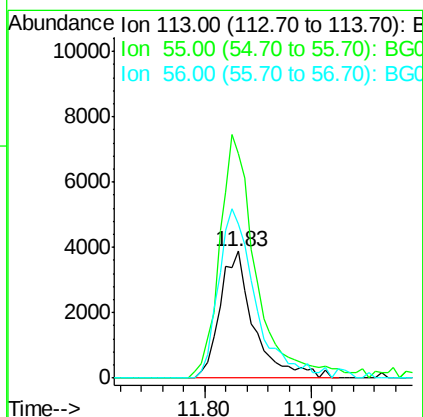
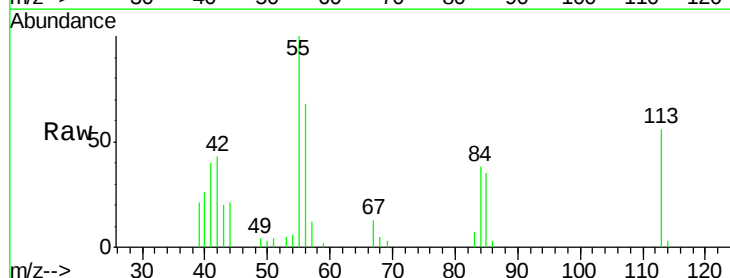
Instrument :  
 BNA\_G  
 ClientSampleId :

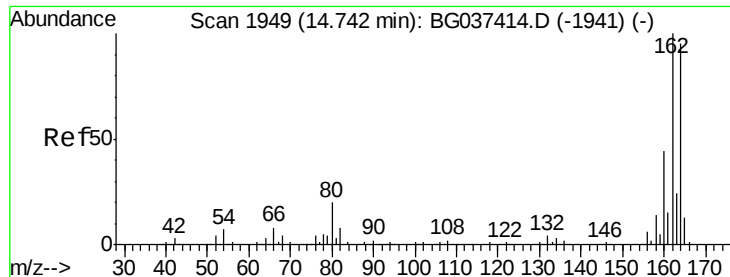
Tot Ion: 82 Resp: 378229  
 Ion Ratio Lower Upper  
 82 100  
 128 45.6 34.6 51.8  
 54 53.8 45.3 67.9



#35  
 Caprolactam  
 Concen: 5.16 ng  
 RT: 11.83 min Scan# 1454  
 Delta R.T. -0.05 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

Tgt Ion: 113 Resp: 8693  
 Ion Ratio Lower Upper  
 113 100  
 55 177.2 176.6 216.6  
 56 121.0 128.3 168.3#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037868.D

Acq: 7 Nov 2018 16:44

Instrument :

BNA\_G

ClientSampleId :

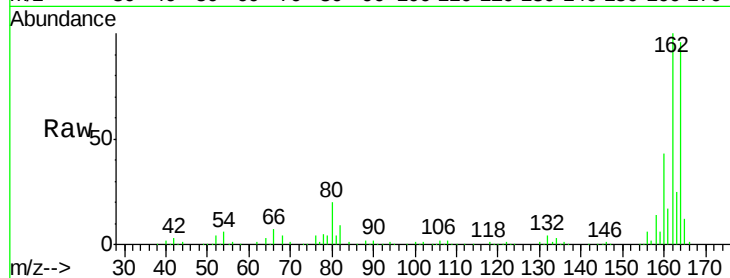
Tot Ion:164 Resp: 167531

Ion Ratio Lower Upper

164 100

162 104.2 81.3 121.9

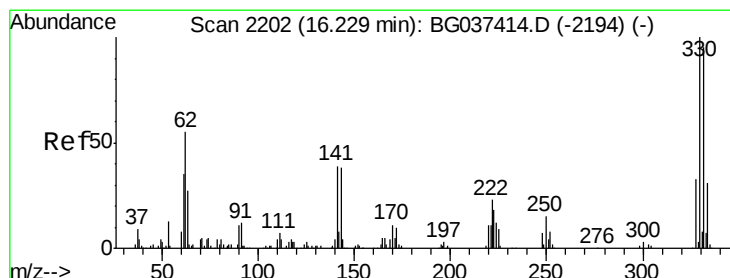
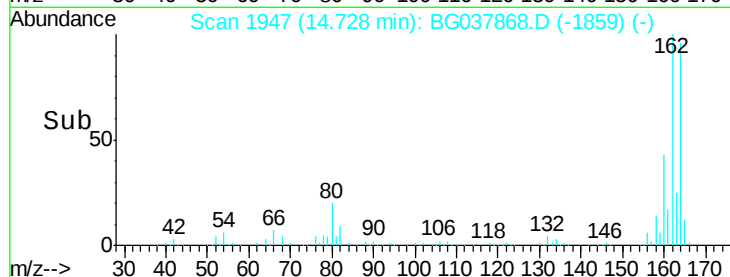
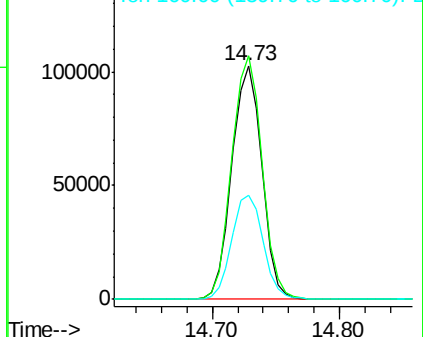
160 44.8 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 119.58 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037868.D

Acq: 7 Nov 2018 16:44

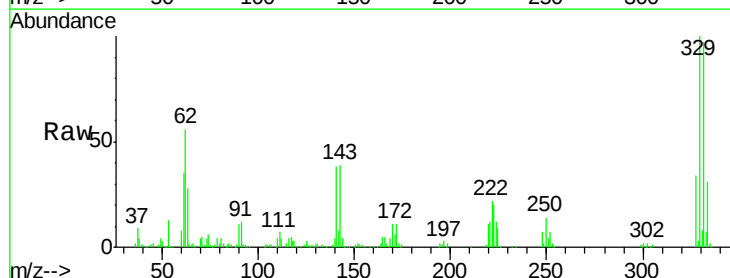
Tgt Ion:330 Resp: 218497

Ion Ratio Lower Upper

330 100

332 96.4 78.4 117.6

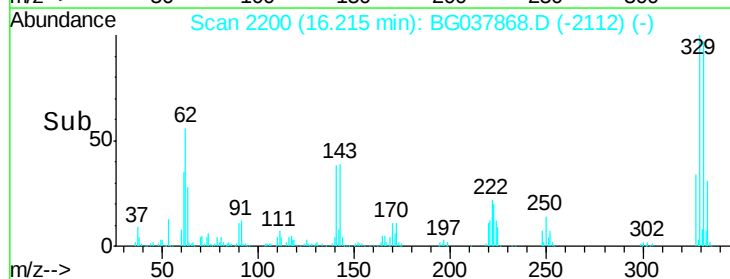
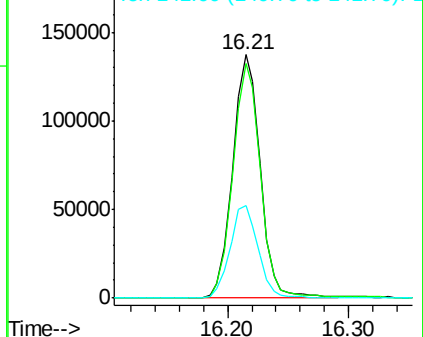
141 39.2 32.2 48.2

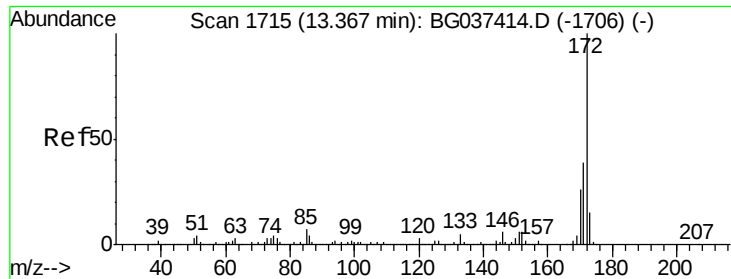


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

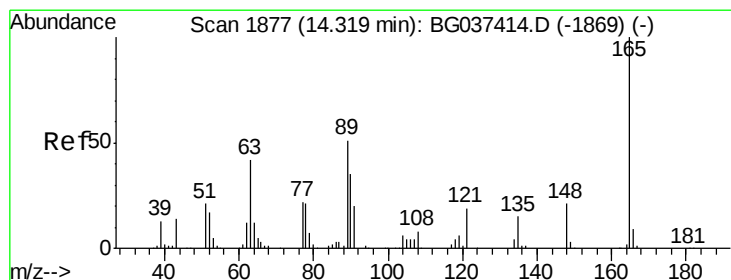
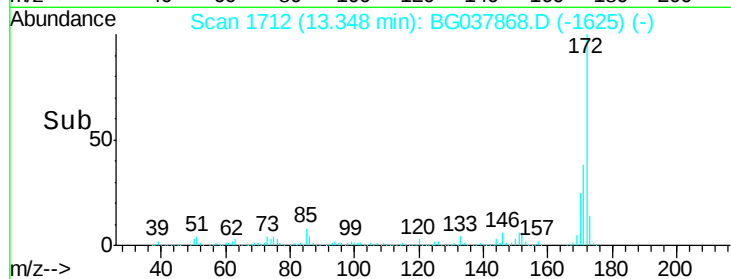
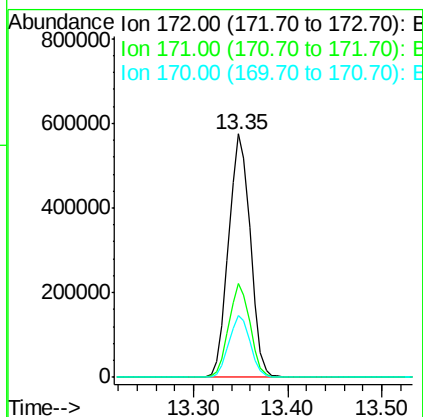
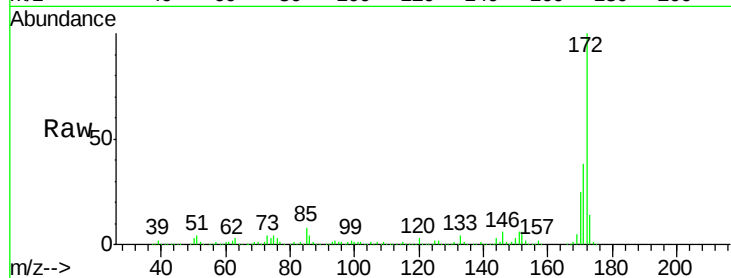




#45  
 2-Fluorobiphenyl  
 Concen: 83.33 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.02 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

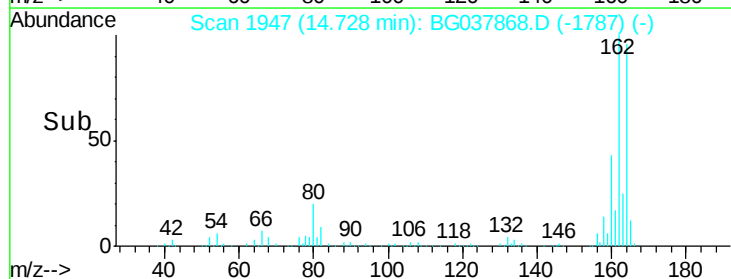
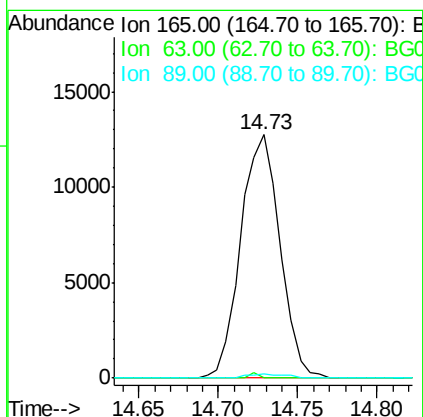
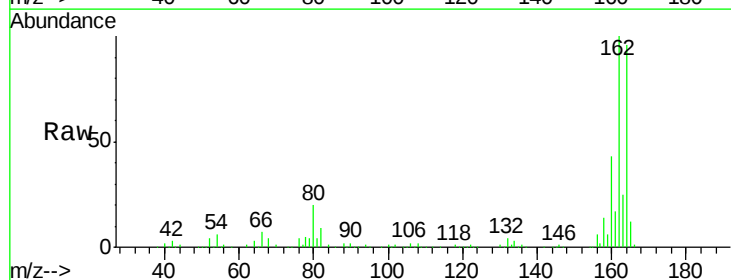
Instrument :  
 BNA\_G  
 ClientSampleId :

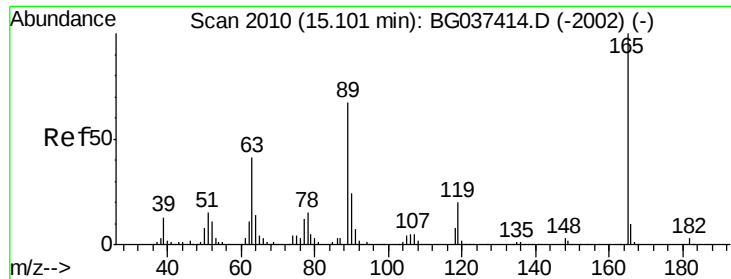
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.5  | 31.0  | 46.4  |
| 170     | 25.3  | 20.2  | 30.2  |



#51  
 2,6-Dinitrotoluene  
 Concen: 7.65 ng  
 RT: 14.73 min Scan# 1947  
 Delta R.T. 0.41 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 43.4  | 65.2# |
| 89      | 1.6   | 45.8  | 68.6# |

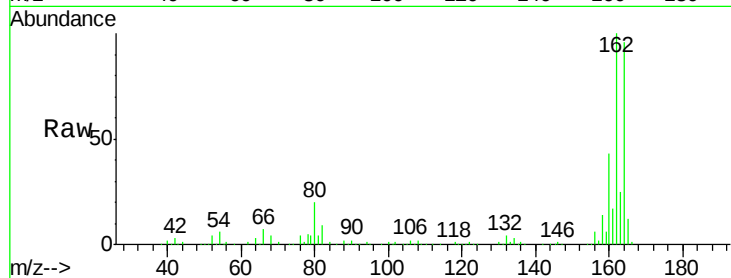




#57  
 2,4-Dinitrotoluene  
 Concen: 5.82 ng  
 RT: 14.73 min Scan# 1947  
 Delta R.T. -0.37 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

Instrument :  
 BNA\_G  
 ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 21921      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 0.0   | 33.4 50.0# |
| 89          | 1.6   | 57.2 85.8# |
| 182         | 0.0   | 2.6 4.0#   |

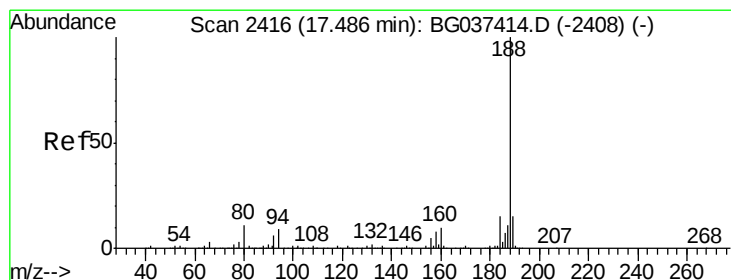
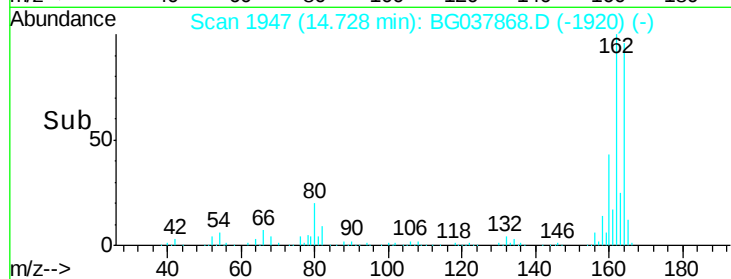
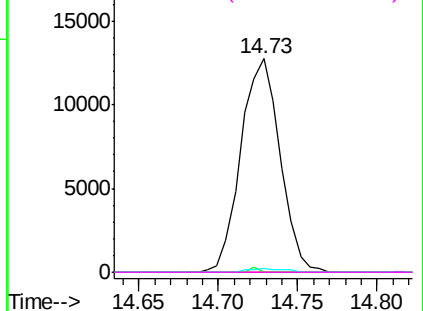


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

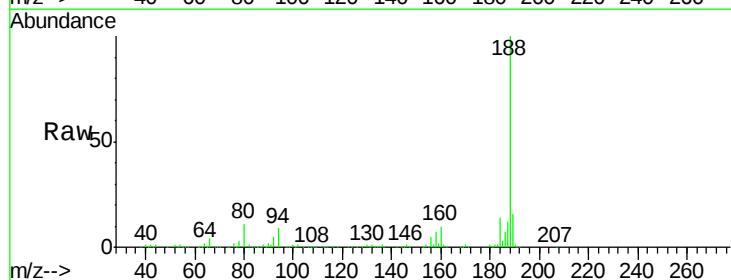
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.47 min Scan# 2414  
 Delta R.T. -0.01 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

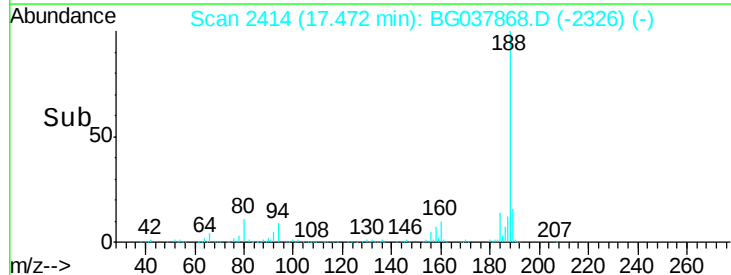
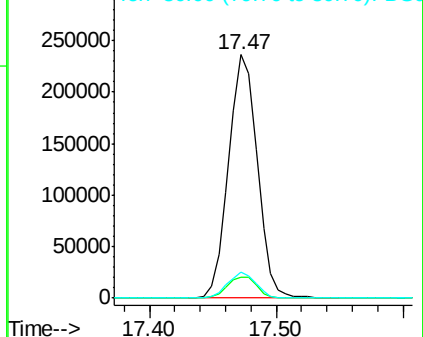
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 370774   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 8.6   | 7.2 10.8 |
| 80          | 10.9  | 7.7 11.5 |

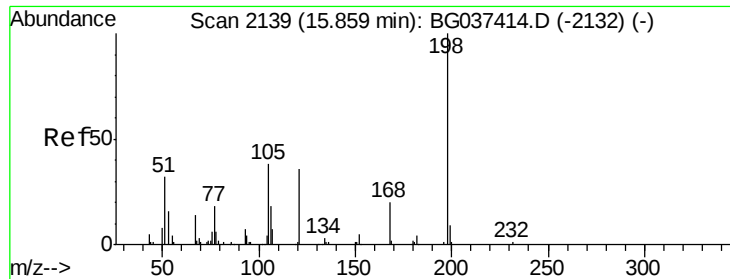


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

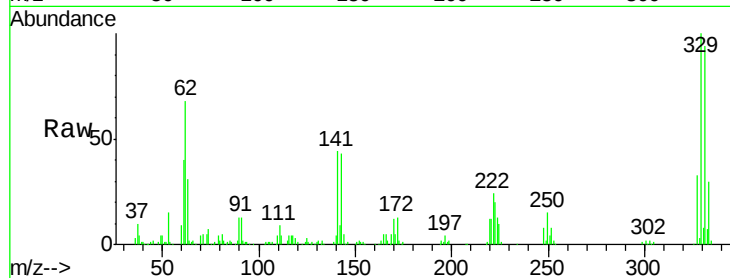




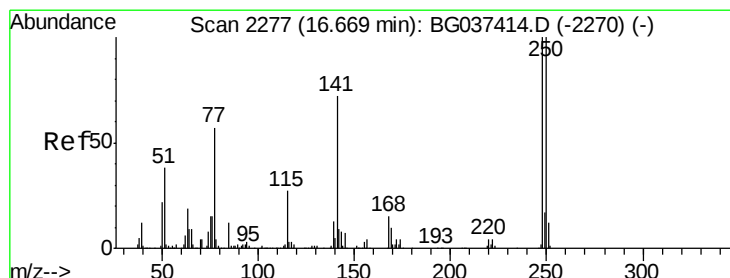
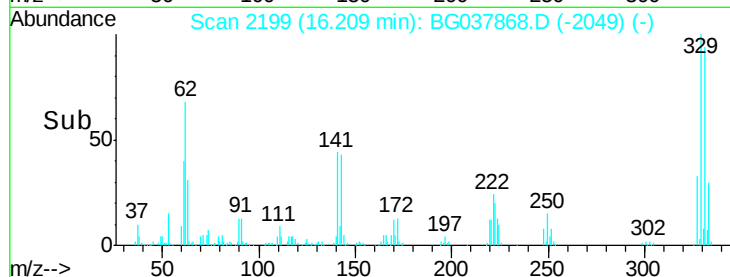
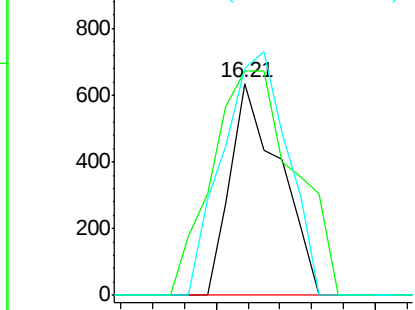
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.80 ng  
 RT: 16.21 min Scan# 2199  
 Delta R.T. 0.35 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:198 Resp: 688  
 Ion Ratio Lower Upper  
 198 100  
 51 24.8 22.7 62.7  
 105 25.2 19.7 59.7

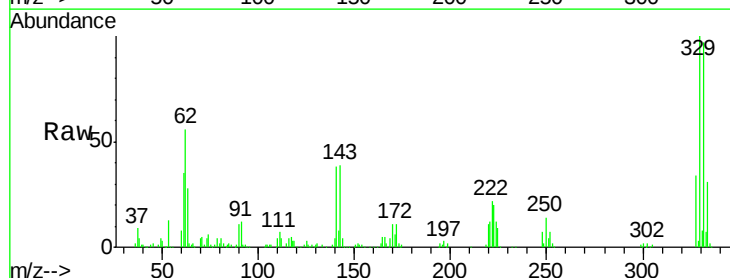


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BG  
 Ion 105.00 (104.70 to 105.70): E

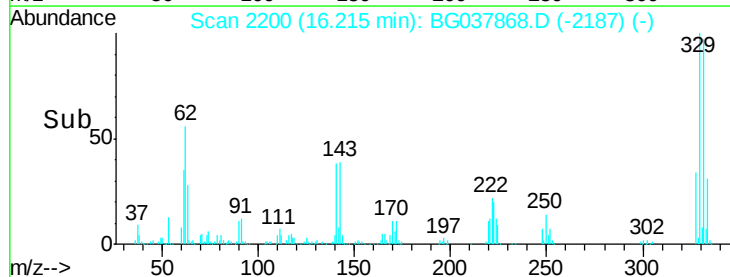
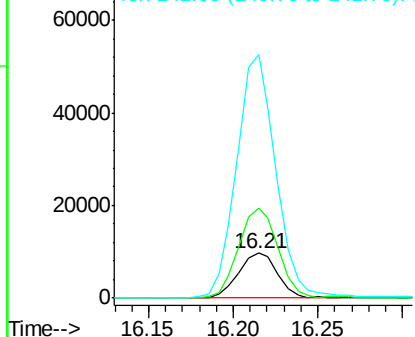


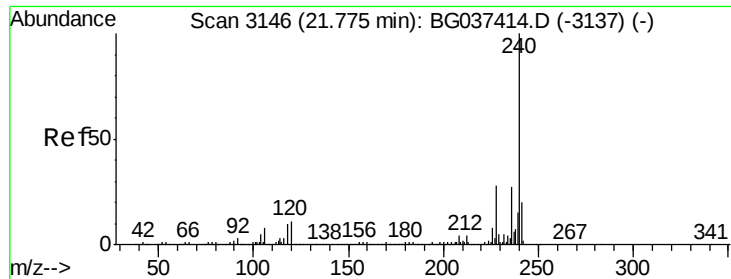
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.86 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. -0.45 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

Tgt Ion:248 Resp: 15703  
 Ion Ratio Lower Upper  
 248 100  
 250 195.9 77.0 115.6#  
 141 405.1 55.5 83.3#



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

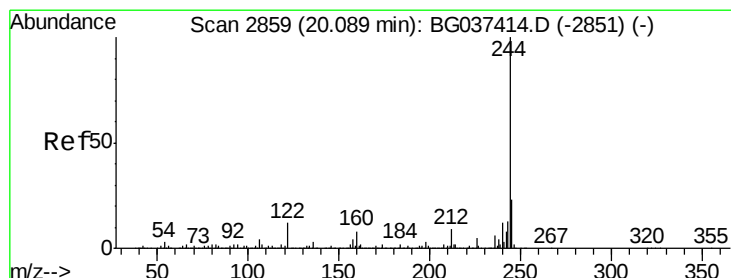
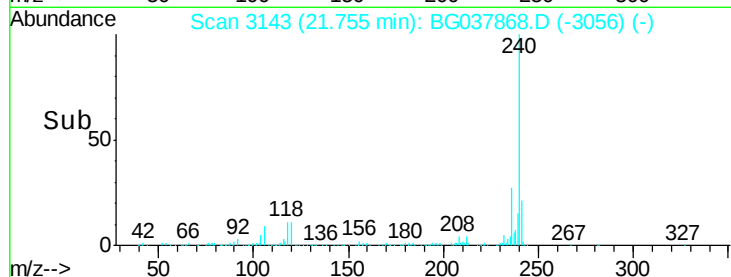
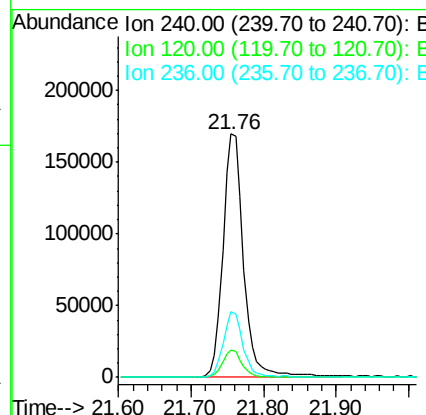
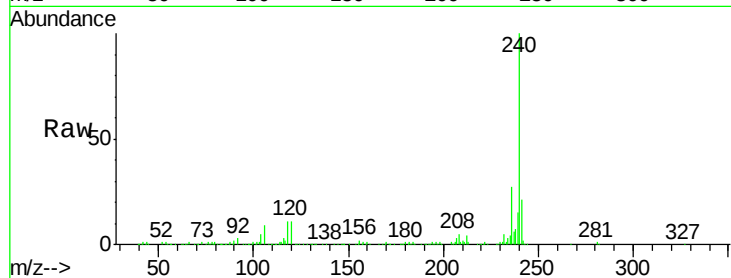




#76  
 Chrvsene-d12  
 Concen: 20.00 ng  
 RT: 21.76 min Scan# 3143  
 Delta R.T. -0.02 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

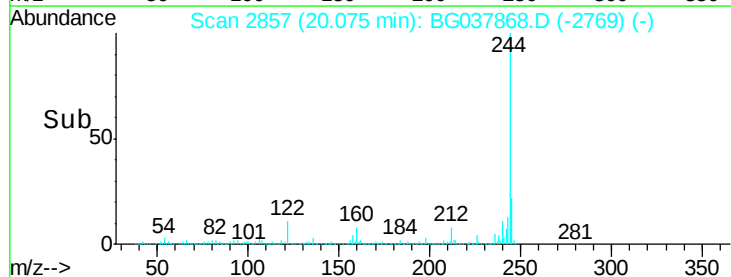
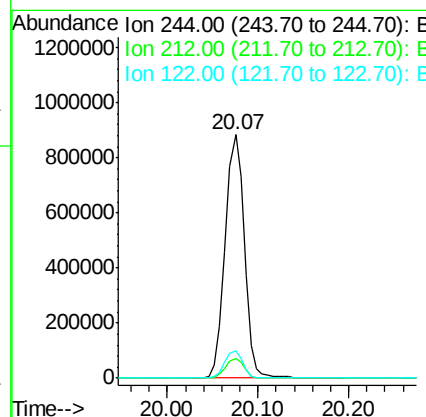
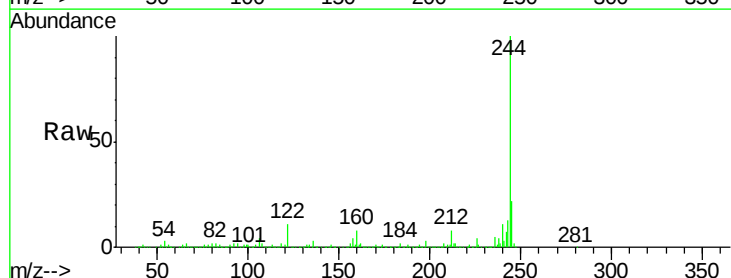
Instrument :  
 BNA\_G  
 ClientSampleId :

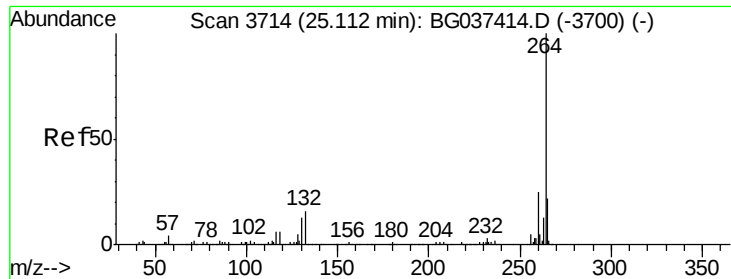
Tot Ion:240 Resp: 336169  
 Ion Ratio Lower Upper  
 240 100  
 120 11.1 8.1 12.1  
 236 26.9 21.4 32.0



#79  
 Terphenyl-d14  
 Concen: 82.51 ng  
 RT: 20.07 min Scan# 2857  
 Delta R.T. -0.01 min  
 Lab File: BG037868.D  
 Acq: 7 Nov 2018 16:44

Tgt Ion:244 Resp: 1298096  
 Ion Ratio Lower Upper  
 244 100  
 212 8.3 6.5 9.7  
 122 11.1 9.0 13.4

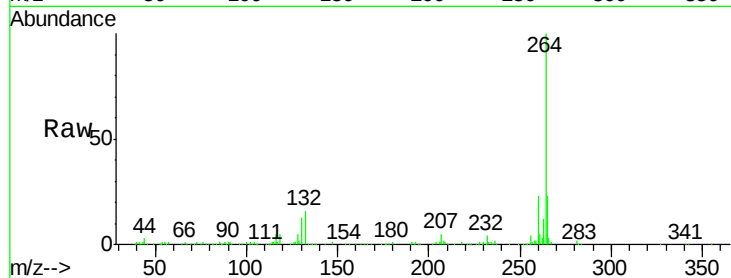




#87  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.09 min Scan# 3710  
Delta R.T. -0.03 min  
Lab File: BG037868.D  
Acq: 7 Nov 2018 16:44

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.7  | 18.2  | 27.4  |
| 265     | 22.7  | 17.9  | 26.9  |



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

