

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102318\  
 Data File : BG037488.D  
 Acq On : 23 Oct 2018 22:45  
 Operator : JU/SJ  
 Sample : J5626-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 24 04:21:07 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

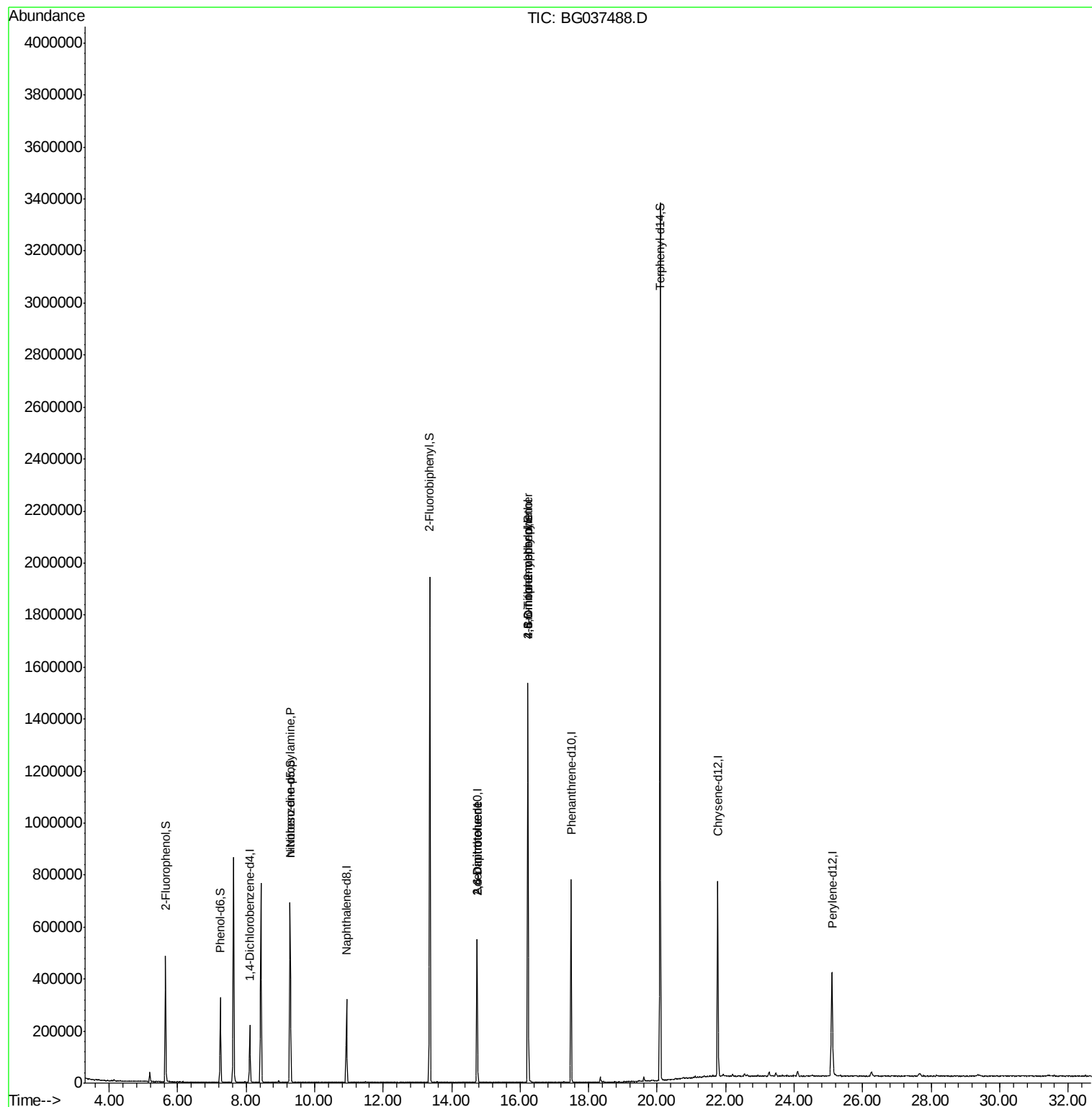
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 64903    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.93 | 136  | 289255   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.74 | 164  | 197039   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.49 | 188  | 481196   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.77 | 240  | 445542   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.11 | 264  | 444803   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.65  | 112  | 230922   | 59.48  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.25  | 99   | 210410   | 35.84  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.28  | 82   | 433571   | 83.97  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.23 | 330  | 280376   | 130.46 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.36 | 172  | 1040709  | 79.65  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.08 | 244  | 1639876  | 78.65  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.28  | 70   | 55392    | 13.703 | ng    | # 72     |
| 51) 2,6-Dinitrotoluene         | 14.74 | 165  | 25299    | 7.502  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene         | 14.74 | 165  | 25299    | 5.715  | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylphenol | 16.23 | 198  | 974      | 8.825  | ng    | 83       |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248  | 21435    | 4.056  | ng    | # 1      |

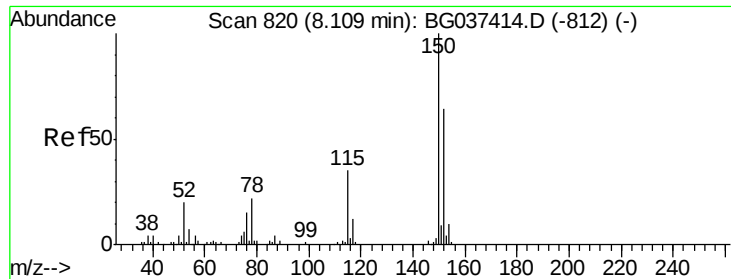
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102318\  
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Sample : J5626-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Oct 24 04:21:07 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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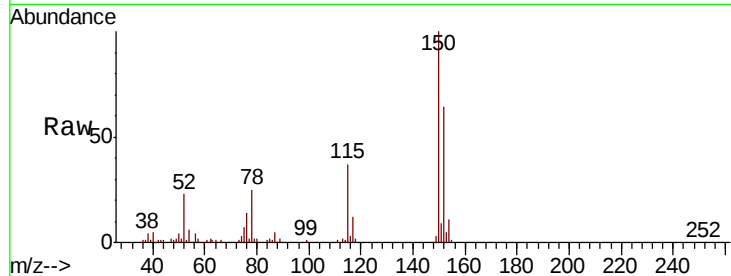


#1

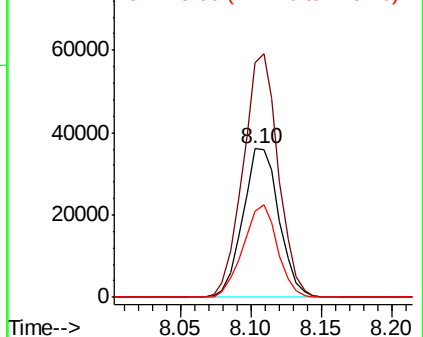
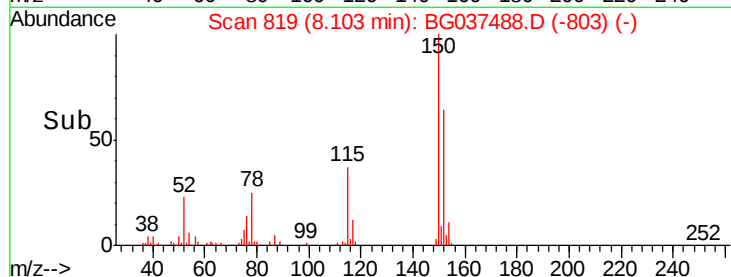
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037488.D  
Acq: 23 Oct 2018 22:45

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 64903  
Ion Ratio Lower Upper  
152 100  
150 157.3 126.0 189.0  
115 58.3 45.5 68.3



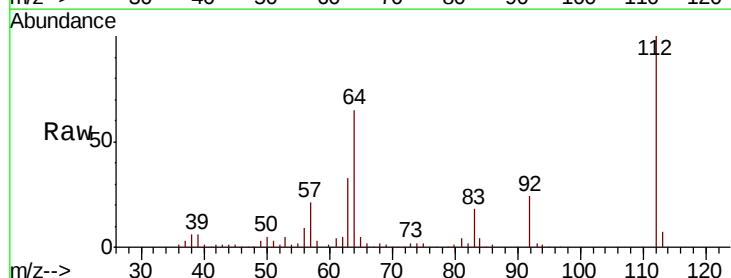
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



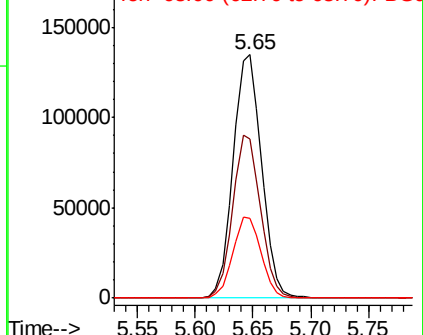
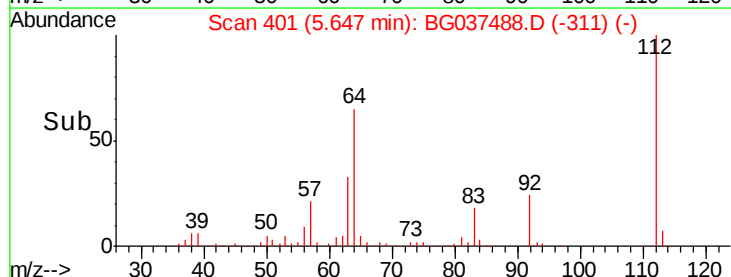
#5

2-Fluorophenol  
Concen: 59.484 ng  
RT: 5.65 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BG037488.D  
Acq: 23 Oct 2018 22:45

Tgt Ion:112 Resp: 230922  
Ion Ratio Lower Upper  
112 100  
64 65.4 53.1 79.7  
63 32.7 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: 35.844 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037488.D

Acq: 23 Oct 2018 22:45

Instrument :

BNA\_G

ClientSampleId :

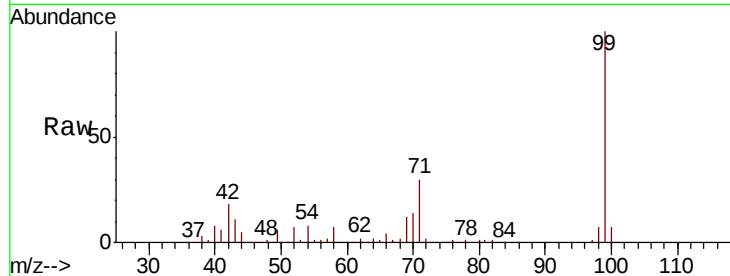
Tot Ion: 99 Resp: 210410

Ion Ratio Lower Upper

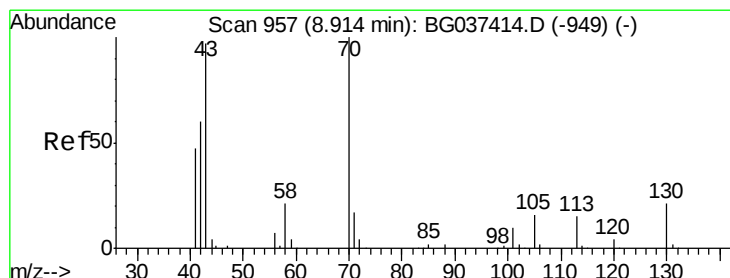
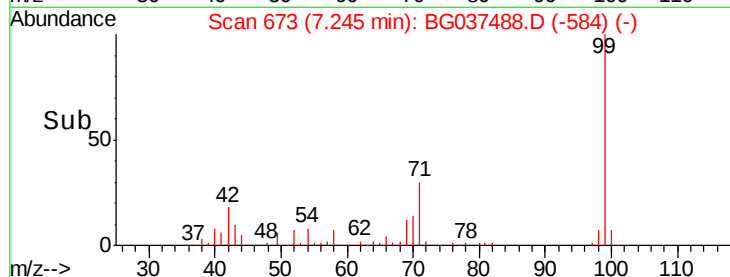
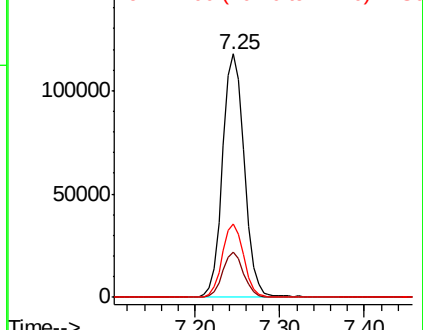
99 100

42 18.4 15.0 22.4

71 30.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.703 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037488.D

Acq: 23 Oct 2018 22:45

Tgt Ion: 70 Resp: 55392

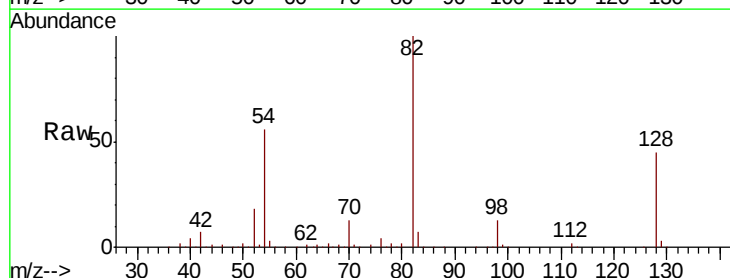
Ion Ratio Lower Upper

70 100

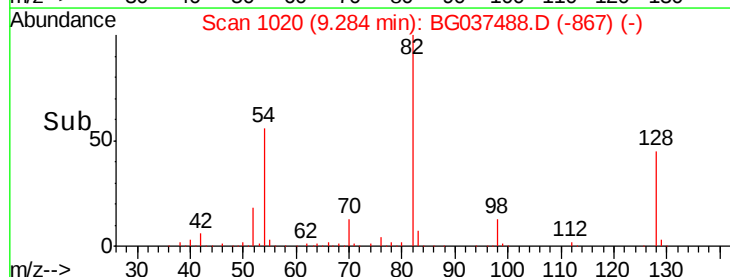
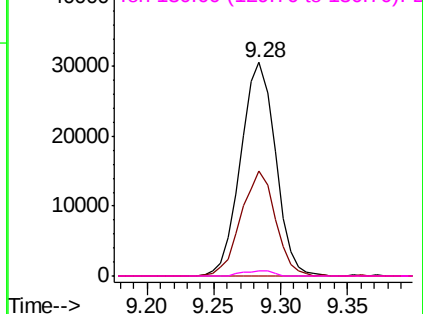
42 49.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.3 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

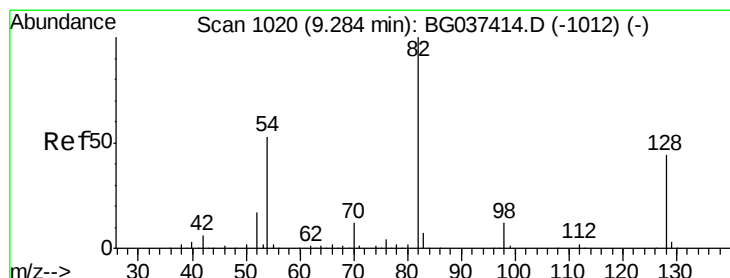
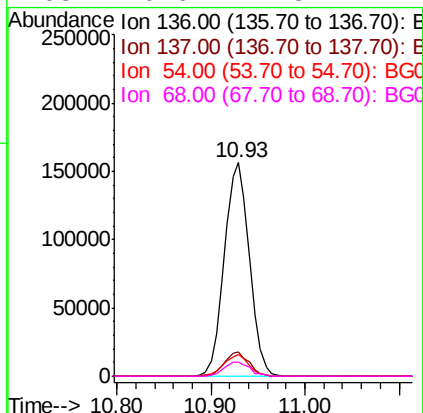
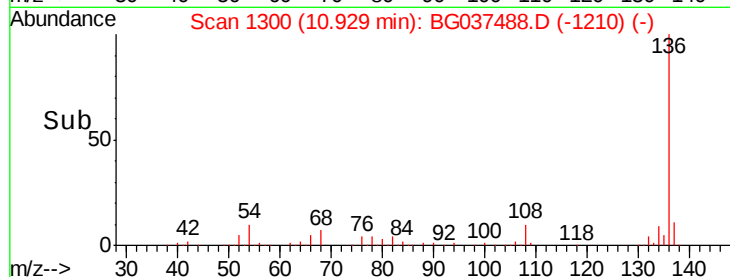
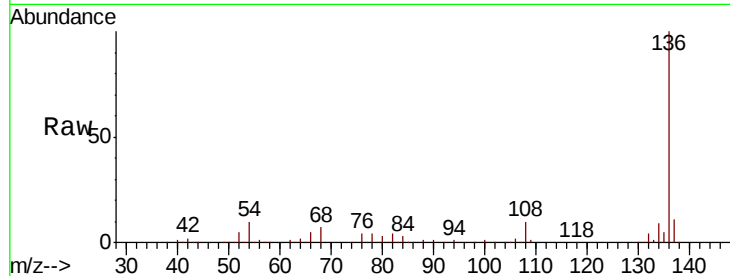




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: BG037488.D  
Acq: 23 Oct 2018 22:45

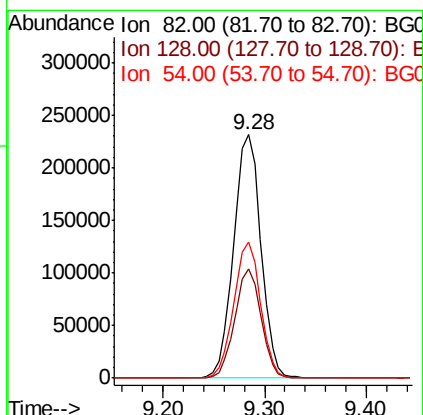
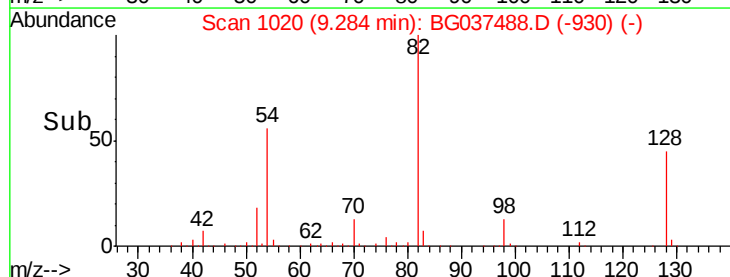
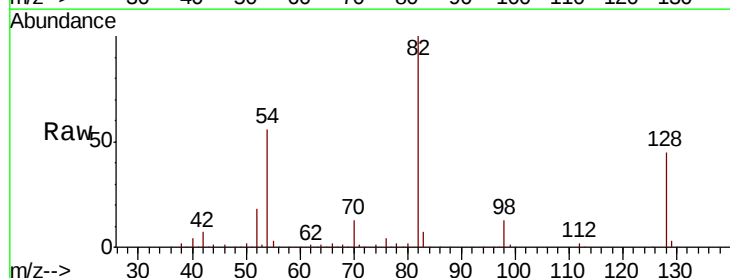
Instrument :  
BNA\_G  
ClientSampled :

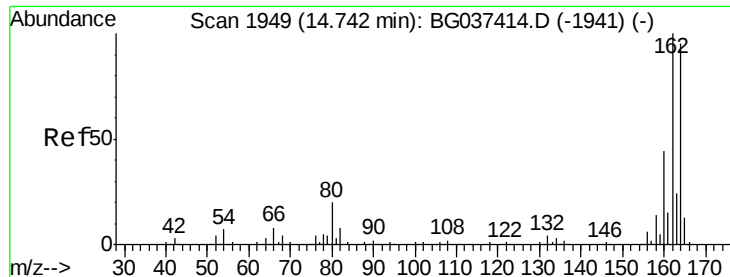
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 289255   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.5  | 9.6 14.4 |
| 54          | 10.5  | 7.9 11.9 |
| 68          | 6.6   | 4.8 7.2  |



#23  
Nitrobenzene-d5  
Concen: 83.968 ng  
RT: 9.28 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: BG037488.D  
Acq: 23 Oct 2018 22:45

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 433571    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 44.8  | 34.6 51.8 |
| 54          | 56.1  | 45.3 67.9 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BG037488.D

Acq: 23 Oct 2018 22:45

Instrument :

BNA\_G

ClientSampleId :

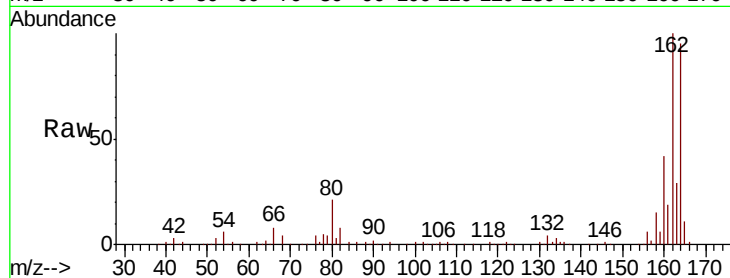
Tot Ion:164 Resp: 197039

Ion Ratio Lower Upper

164 100

162 104.9 81.3 121.9

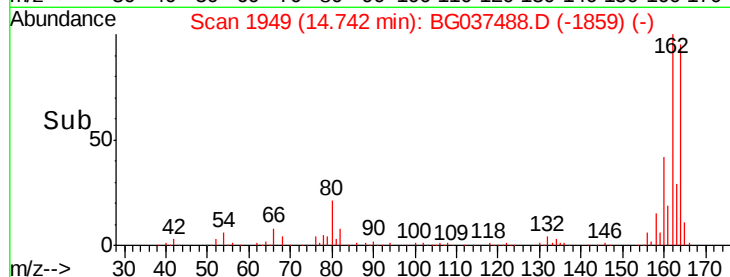
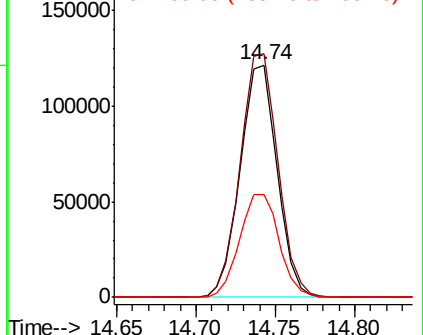
160 44.3 36.3 54.5



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: 130.463 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BG037488.D

Acq: 23 Oct 2018 22:45

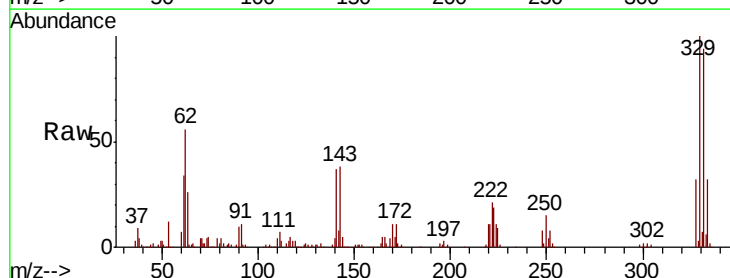
Tgt Ion:330 Resp: 280376

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

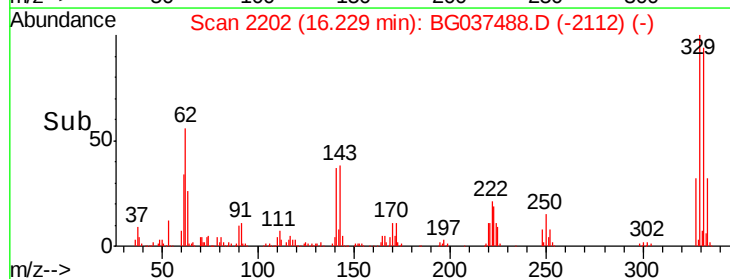
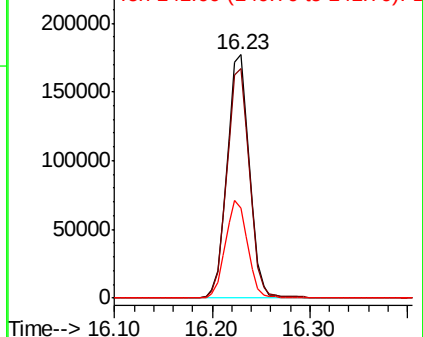
141 40.1 32.2 48.2

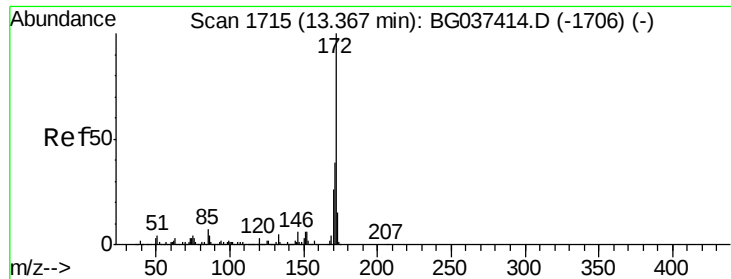


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

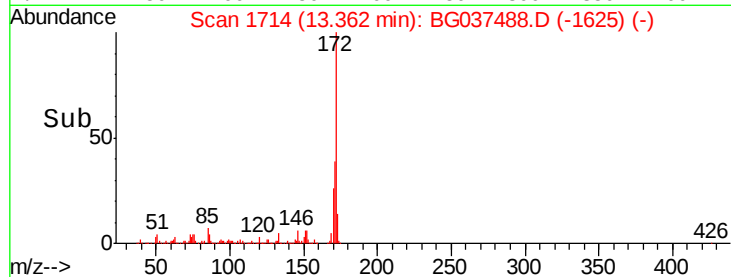
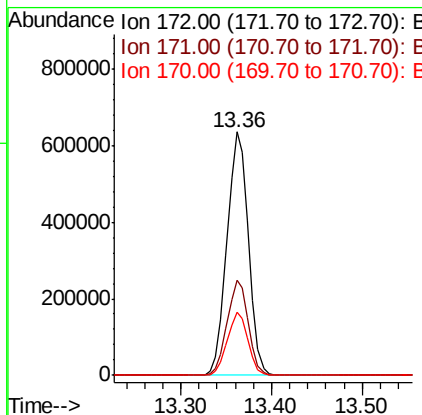
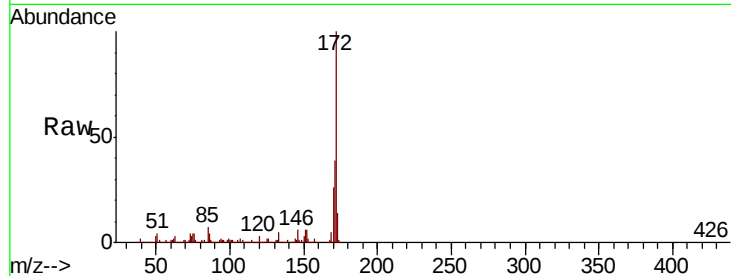




#45  
 2-Fluorobiphenyl  
 Concen: 79.646 ng  
 RT: 13.36 min Scan# 1714  
 Delta R.T. -0.01 min  
 Lab File: BG037488.D  
 Acq: 23 Oct 2018 22:45

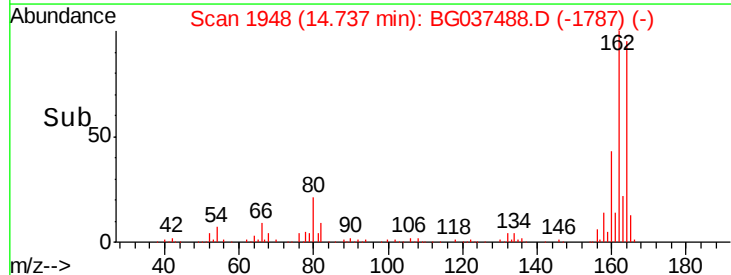
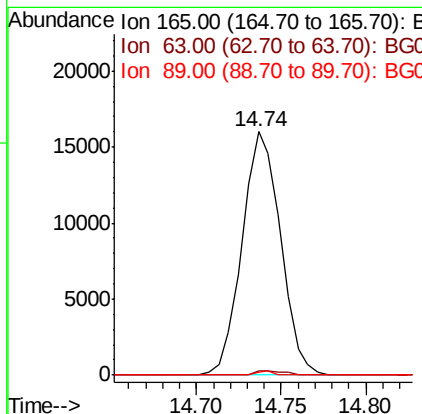
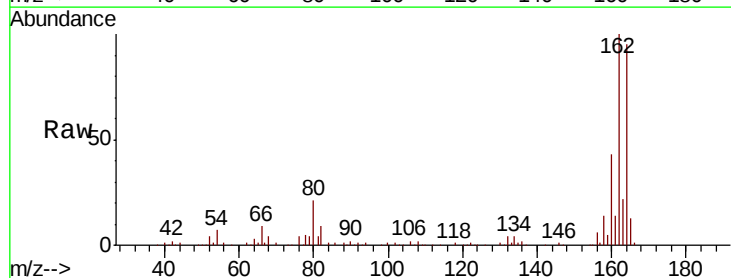
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:172 Resp: 1040709  
 Ion Ratio Lower Upper  
 172 100  
 171 39.0 31.0 46.4  
 170 25.7 20.2 30.2



#51  
 2,6-Dinitrotoluene  
 Concen: 7.502 ng  
 RT: 14.74 min Scan# 1948  
 Delta R.T. 0.42 min  
 Lab File: BG037488.D  
 Acq: 23 Oct 2018 22:45

Tgt Ion:165 Resp: 25299  
 Ion Ratio Lower Upper  
 165 100  
 63 1.9 43.4 65.2#  
 89 1.1 45.8 68.6#

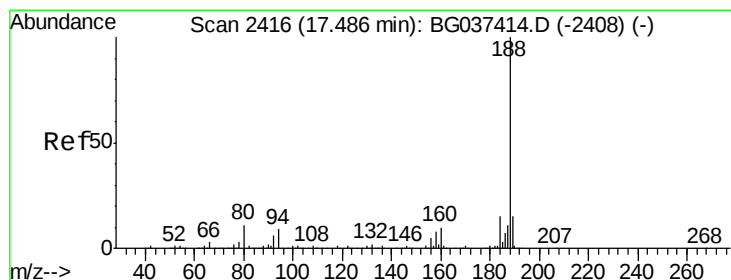
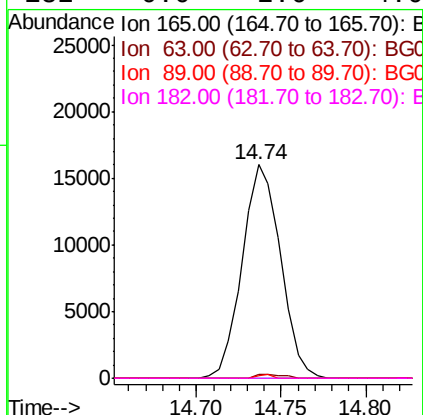
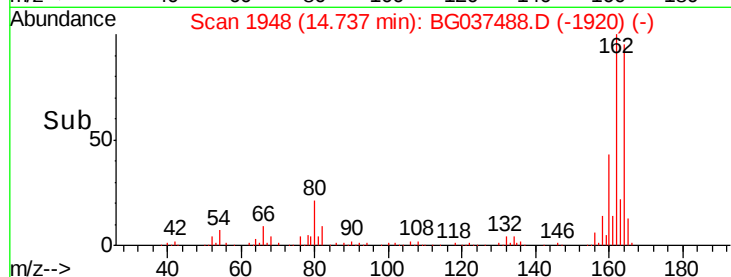
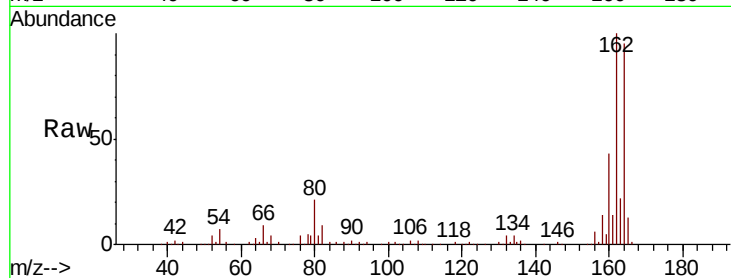




#57  
2,4-Dinitrotoluene  
Concen: 5.715 ng  
RT: 14.74 min Scan# 1948  
Delta R.T. -0.36 min  
Lab File: BG037488.D  
Acq: 23 Oct 2018 22:45

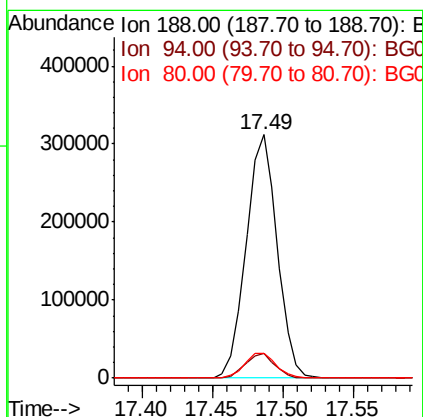
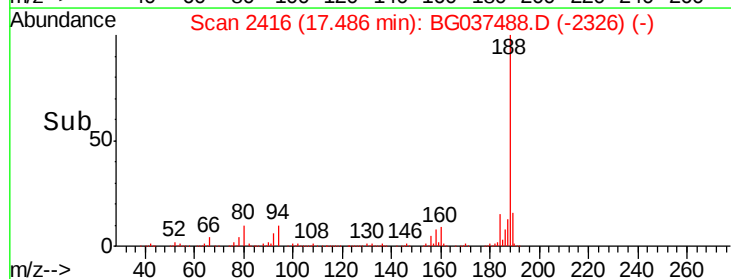
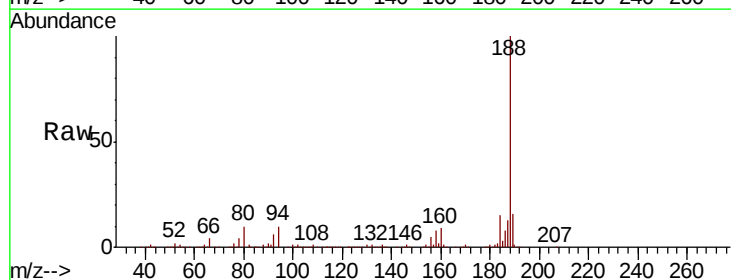
Instrument :  
BNA\_G  
ClientSampleId :

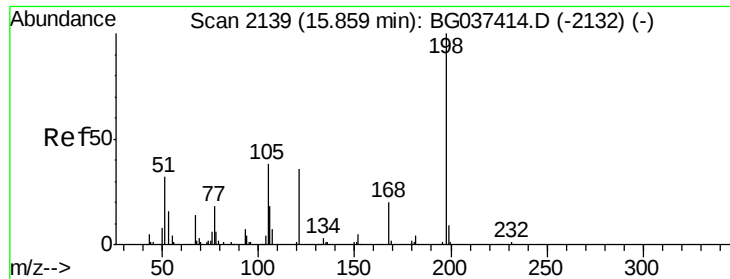
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.9   | 33.4  | 50.0# |
| 89      | 1.1   | 57.2  | 85.8# |
| 182     | 0.0   | 2.6   | 4.0#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.49 min Scan# 2416  
Delta R.T. 0.00 min  
Lab File: BG037488.D  
Acq: 23 Oct 2018 22:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.9   | 7.2   | 10.8  |
| 80      | 10.3  | 7.7   | 11.5  |

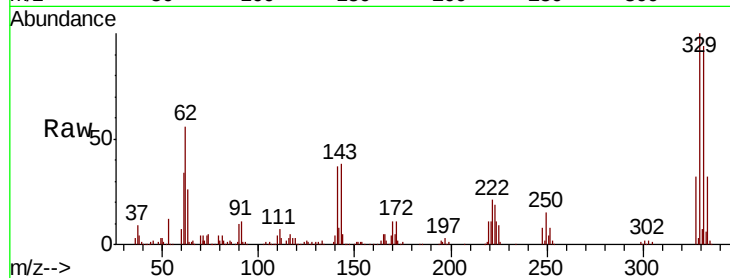




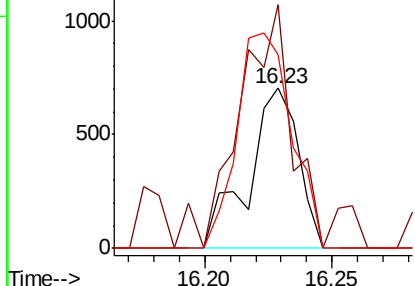
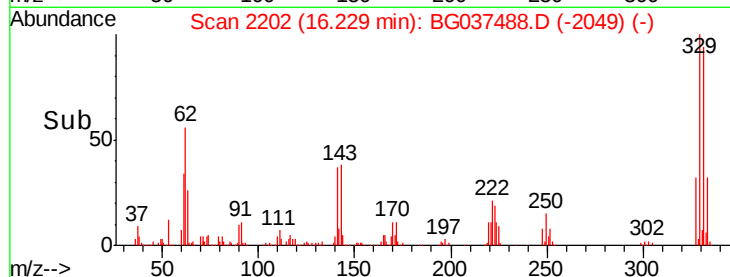
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.825 ng  
 RT: 16.23 min Scan# 2202  
 Delta R.T. 0.37 min  
 Lab File: BG037488.D  
 Acq: 23 Oct 2018 22:45

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:198 Resp: 974  
 Ion Ratio Lower Upper  
 198 100  
 51 33.9 22.7 62.7  
 105 26.9 19.7 59.7

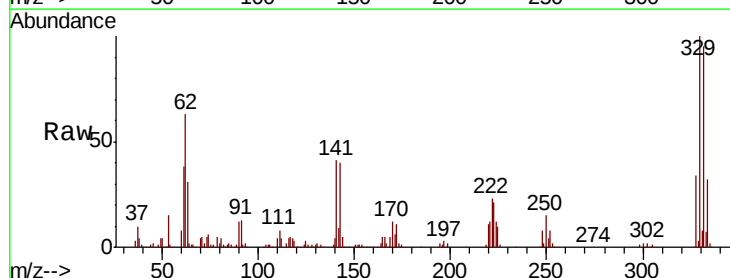


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BG  
 Ion 105.00 (104.70 to 105.70): E

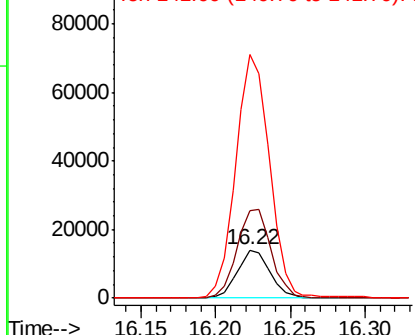
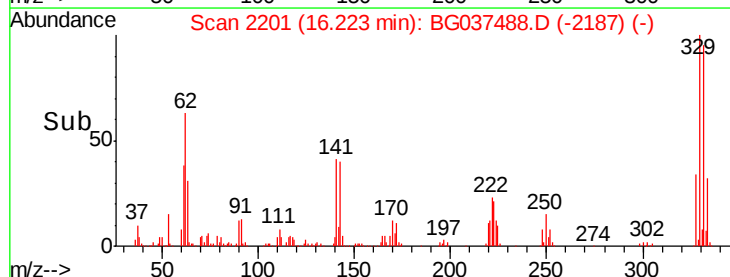


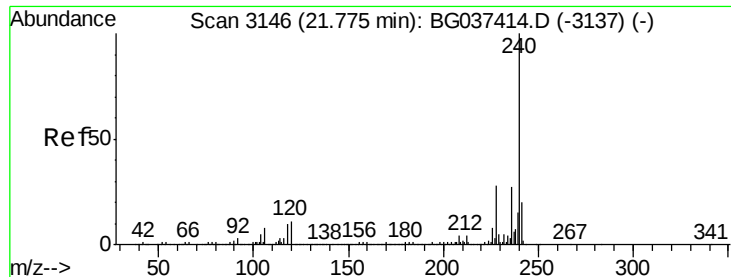
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.056 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.45 min  
 Lab File: BG037488.D  
 Acq: 23 Oct 2018 22:45

Tgt Ion:248 Resp: 21435  
 Ion Ratio Lower Upper  
 248 100  
 250 181.5 77.0 115.6#  
 141 390.8 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

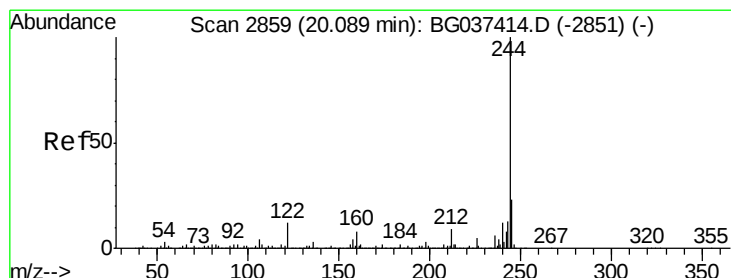
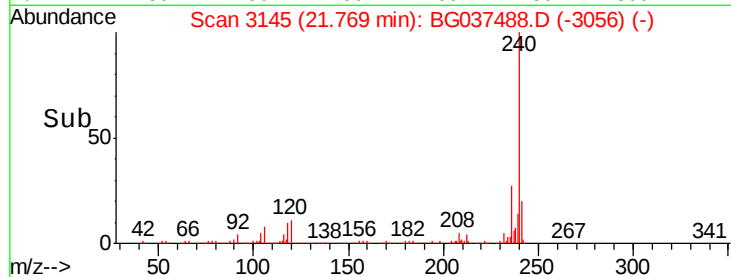
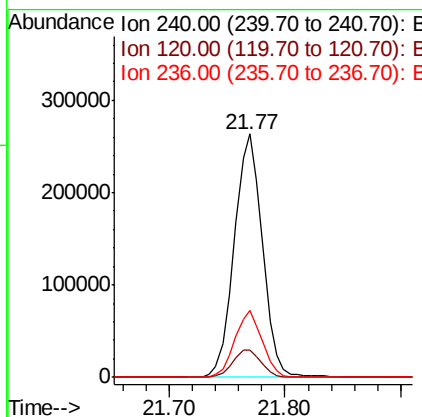
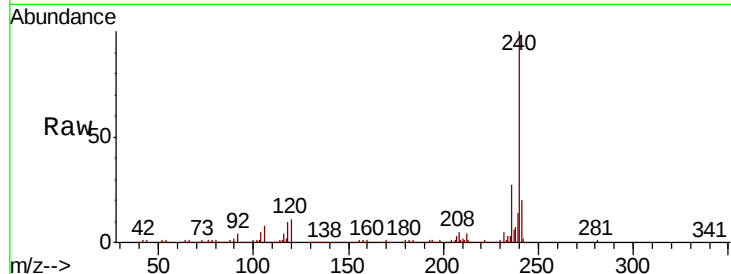




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.77 min Scan# 3145  
 Delta R.T. -0.01 min  
 Lab File: BG037488.D  
 Acq: 23 Oct 2018 22:45

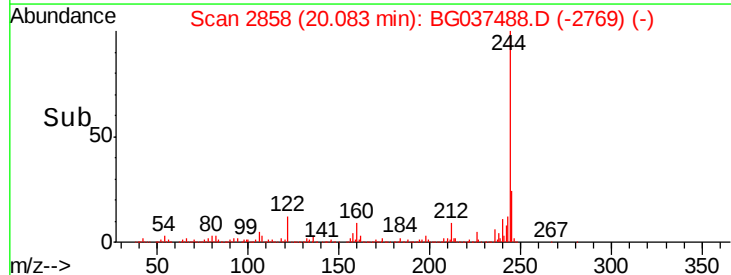
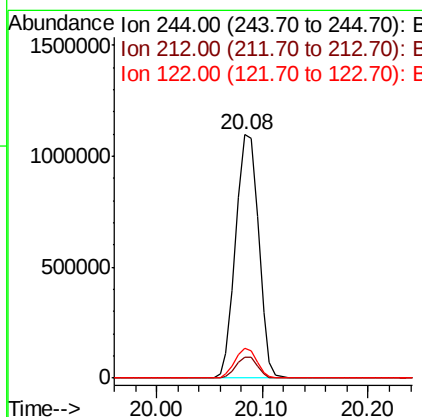
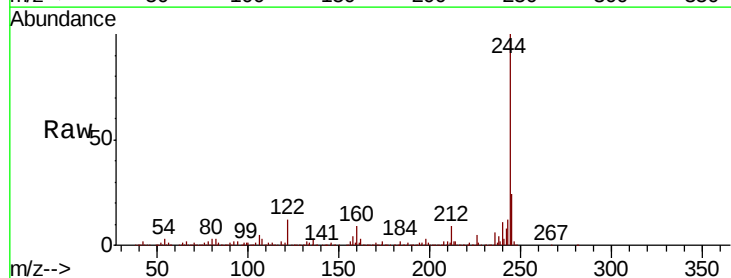
Instrument :  
 BNA\_G  
 ClientSampleId :

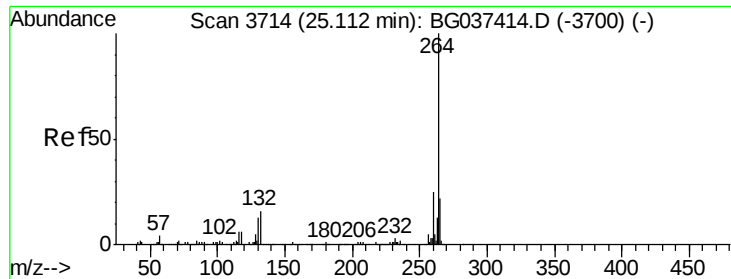
Tot Ion:240 Resp: 445542  
 Ion Ratio Lower Upper  
 240 100  
 120 11.4 8.1 12.1  
 236 27.3 21.4 32.0



#79  
 Terphenyl-d14  
 Concen: 78.646 ng  
 RT: 20.08 min Scan# 2858  
 Delta R.T. -0.01 min  
 Lab File: BG037488.D  
 Acq: 23 Oct 2018 22:45

Tgt Ion:244 Resp: 1639876  
 Ion Ratio Lower Upper  
 244 100  
 212 8.7 6.5 9.7  
 122 12.4 9.0 13.4





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 25.11 min Scan# 3713  
 Delta R.T. -0.01 min  
 Lab File: BG037488.D  
 Acq: 23 Oct 2018 22:45

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 264 Resp: 444803  
 Ion Ratio Lower Upper  
 264 100  
 260 21.9 18.2 27.4  
 265 21.0 17.9 26.9

