

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102318\  
 Data File : BG037490.D  
 Acq On : 24 Oct 2018 00:04  
 Operator : JU/SJ  
 Sample : J5624-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 24 04:44:23 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

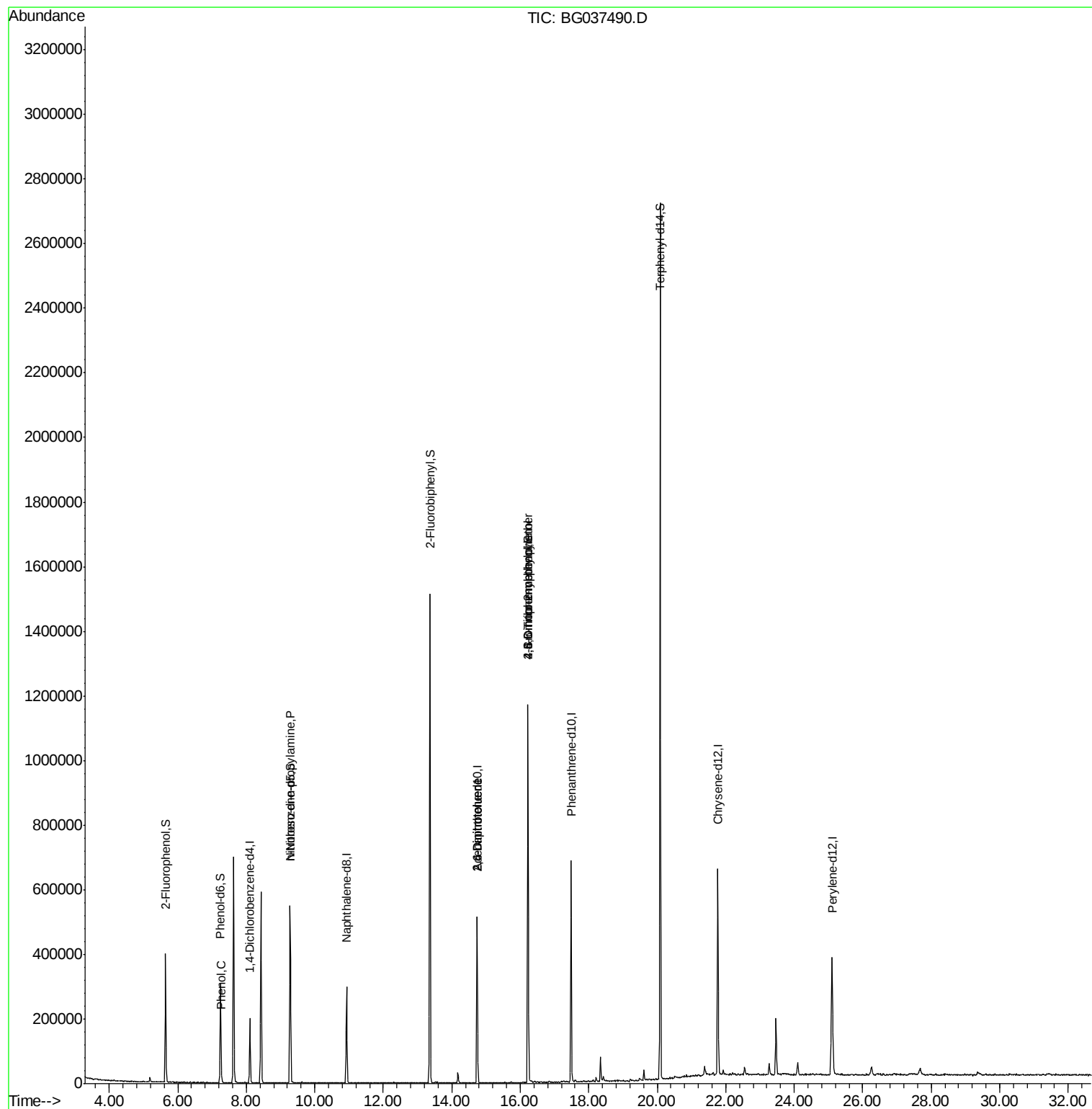
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.11  | 152  | 58566    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.93 | 136  | 268023   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.74 | 164  | 183371   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.48 | 188  | 432430   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.77 | 240  | 392538   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.10 | 264  | 400301   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 179725   | 51.31  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.25  | 99   | 197427   | 37.27  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.28  | 82   | 345970   | 72.31  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.23 | 330  | 212748   | 106.37 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.36 | 172  | 833105   | 68.51  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.09 | 244  | 1283006  | 69.84  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.27  | 94   | 20513    | 3.670  | ng    | 99       |
| 19) n-Nitroso-di-n-propylamine | 9.28  | 70   | 42847    | 11.747 | ng    | # 72     |
| 51) 2,6-Dinitrotoluene         | 14.74 | 165  | 23807    | 7.586  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 14.74 | 165  | 23807    | 5.779  | ng    | # 26     |
| 65) 4,6-Dinitro-2-methylphenol | 16.23 | 198  | 777      | 8.789  | ng    | 76       |
| 67) 4-Bromophenyl-phenylether  | 16.23 | 248  | 15945    | 3.358  | ng    | # 1      |

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

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Sample : J5624-10  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

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BNA\_G  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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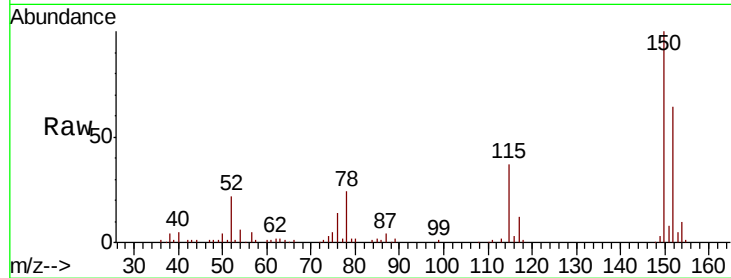


#1

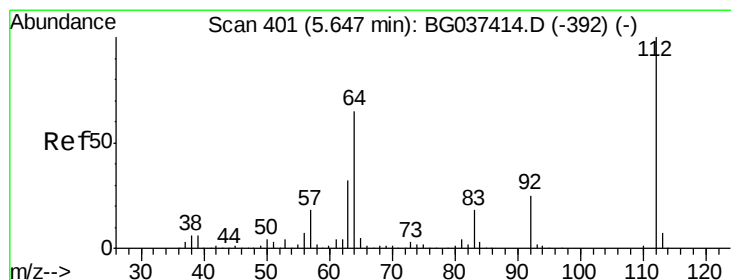
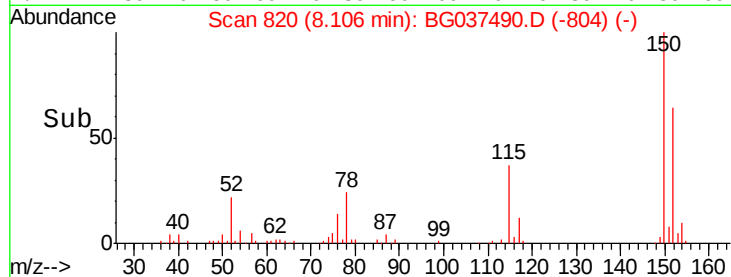
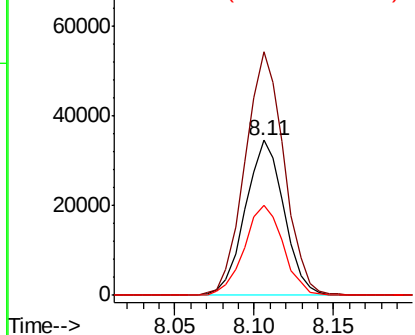
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.11 min Scan# 820  
 Delta R.T. -0.00 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 126.0 | 189.0 |
| 115     | 57.9  | 45.5  | 68.3  |



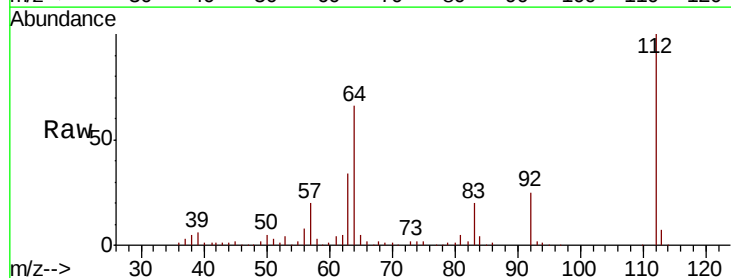
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



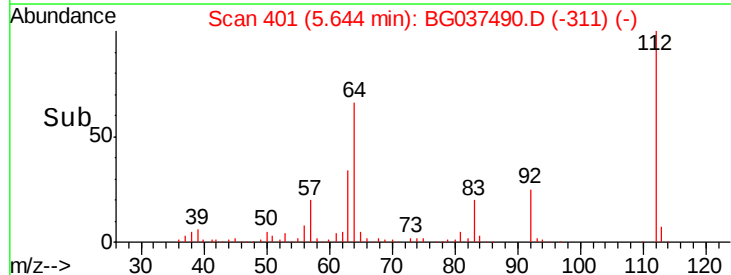
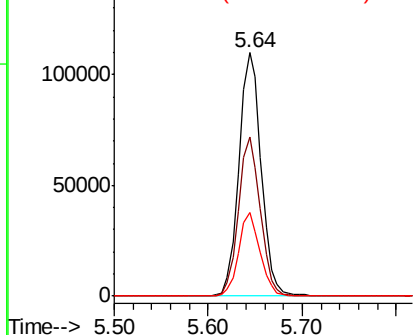
#5

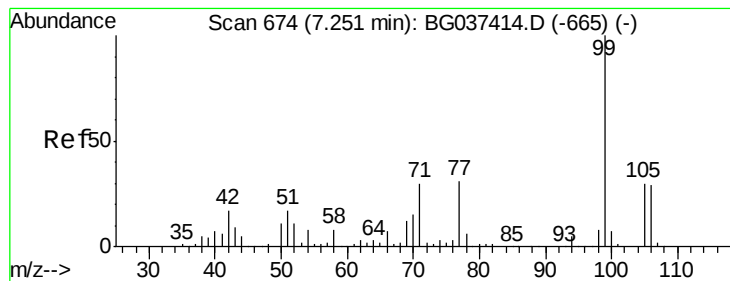
2-Fluorophenol  
 Concen: 51.305 ng  
 RT: 5.64 min Scan# 401  
 Delta R.T. -0.00 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.6  | 53.1  | 79.7  |
| 63      | 34.5  | 27.3  | 40.9  |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BG  
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 37.271 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037490.D

Acq: 24 Oct 2018 00:04

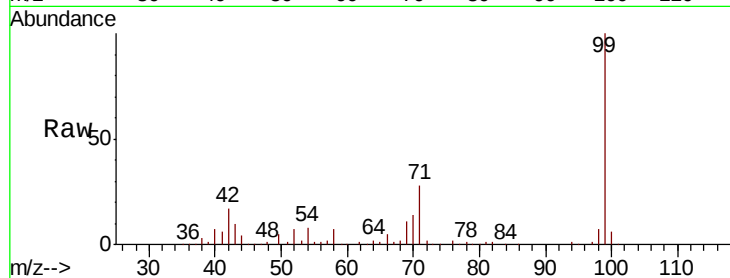
Instrument :

BNA\_G

ClientSampled :

Tot Ion: 99 Resp: 197427

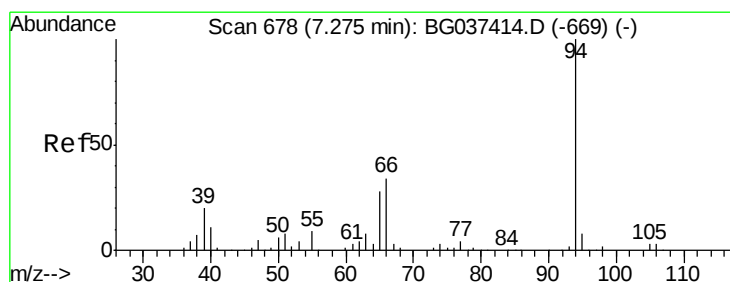
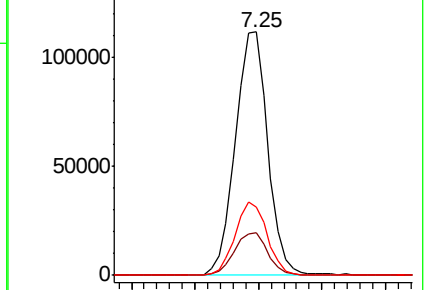
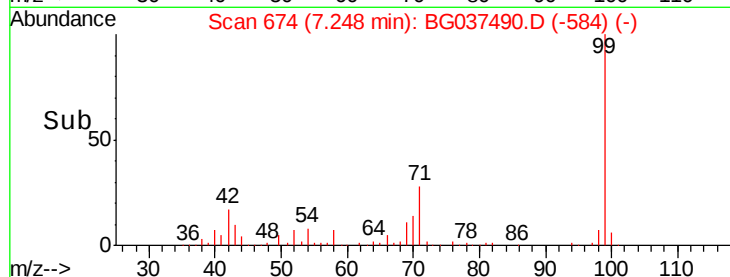
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.4  | 15.0  | 22.4  |
| 71  | 28.2  | 25.5  | 38.3  |



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



#10

Phenol

Concen: 3.670 ng

RT: 7.27 min Scan# 678

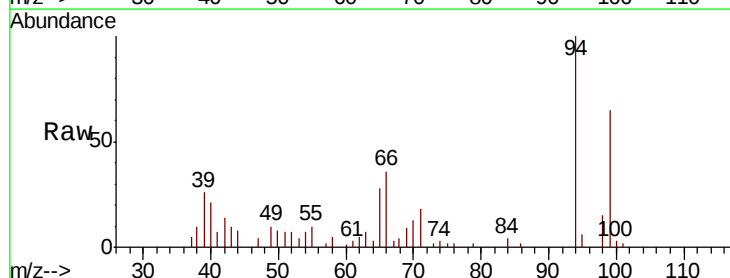
Delta R.T. -0.00 min

Lab File: BG037490.D

Acq: 24 Oct 2018 00:04

Tgt Ion: 94 Resp: 20513

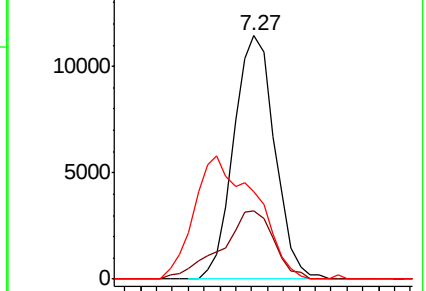
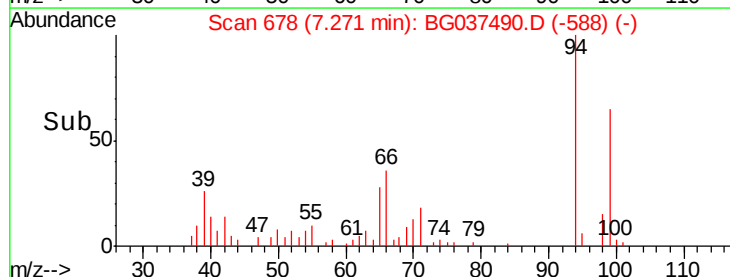
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 28.2  | 9.7   | 49.7  |
| 66  | 36.0  | 15.9  | 55.9  |



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

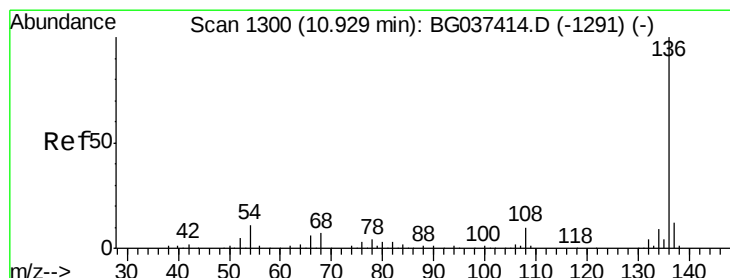
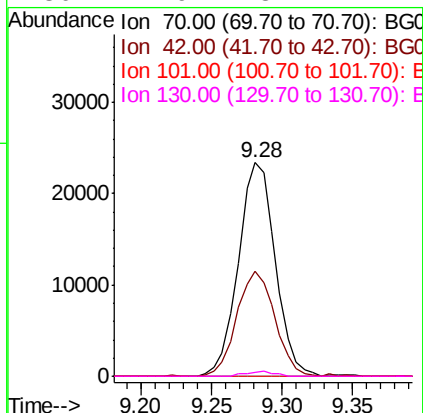
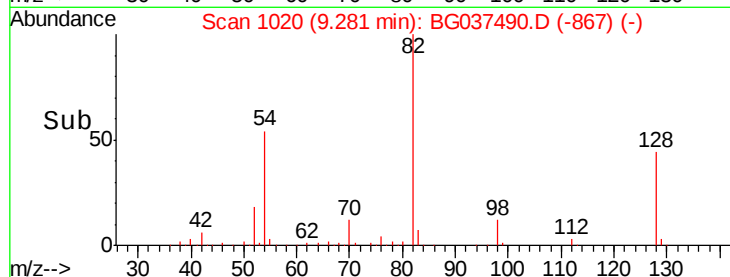
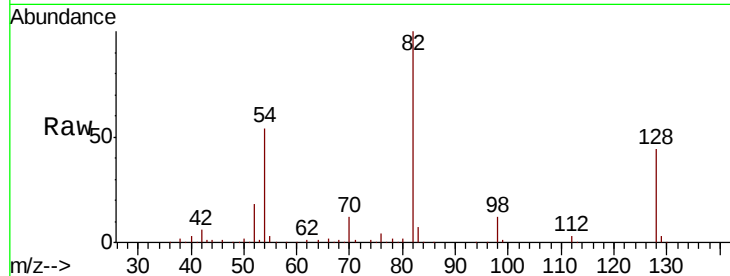




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.747 ng  
RT: 9.28 min Scan# 1020  
Delta R.T. 0.37 min  
Lab File: BG037490.D  
Acq: 24 Oct 2018 00:04

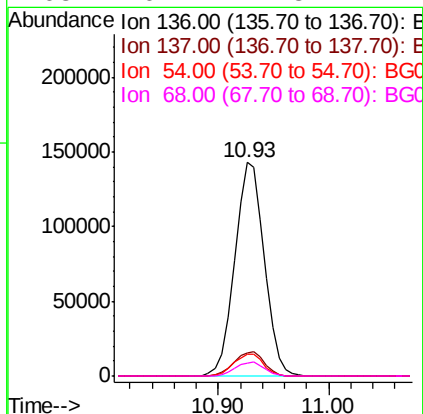
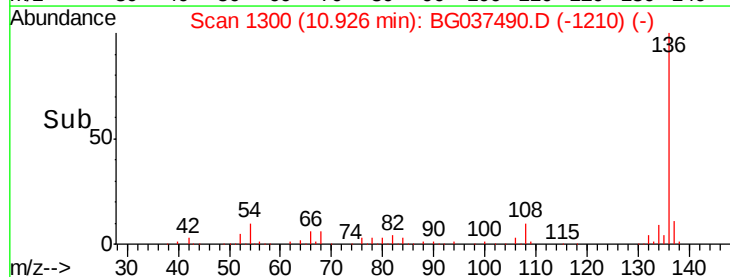
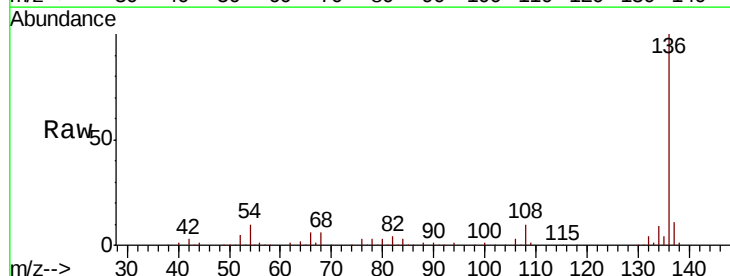
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 70 Resp: 42847  
Ion Ratio Lower Upper  
70 100  
42 49.4 53.9 80.9#  
101 0.0 8.2 12.2#  
130 1.9 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1300  
Delta R.T. -0.00 min  
Lab File: BG037490.D  
Acq: 24 Oct 2018 00:04

Tgt Ion: 136 Resp: 268023  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.6 14.4  
54 10.2 7.9 11.9  
68 6.2 4.8 7.2

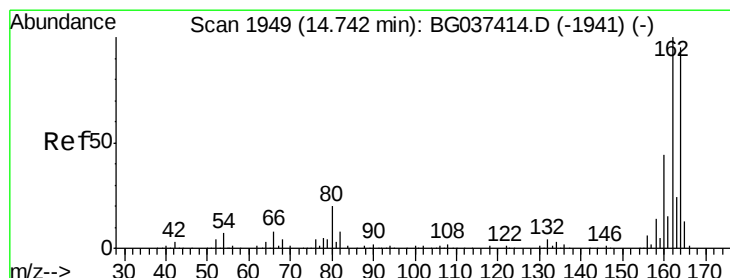
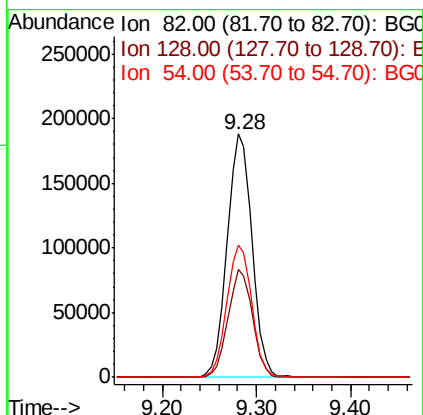
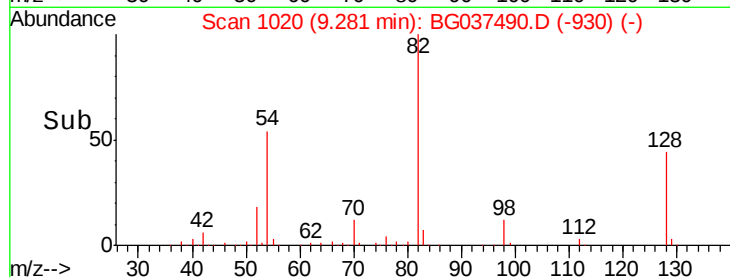
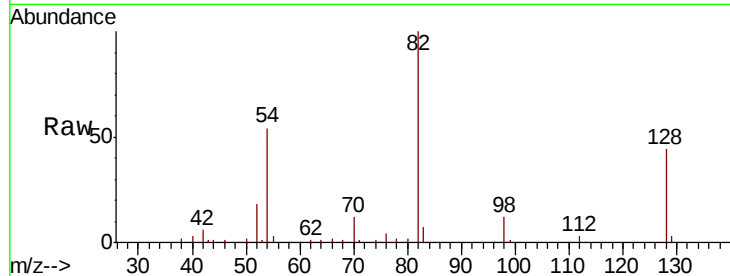




#23  
 Nitrobenzene-d5  
 Concen: 72.311 ng  
 RT: 9.28 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

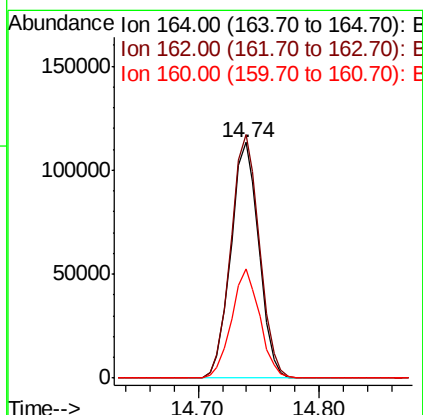
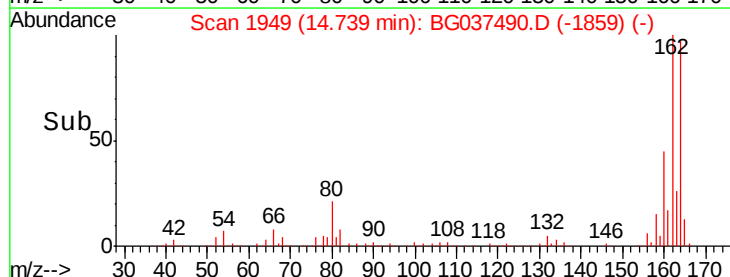
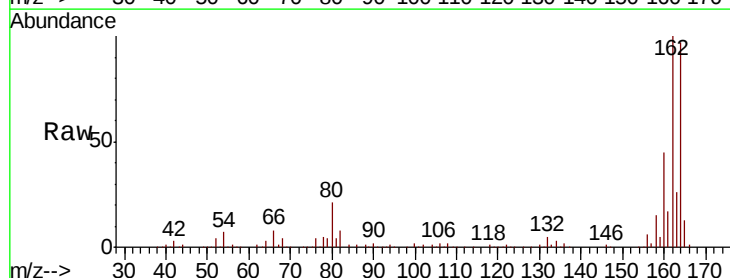
Instrument :  
 BNA\_G  
 ClientSampled :

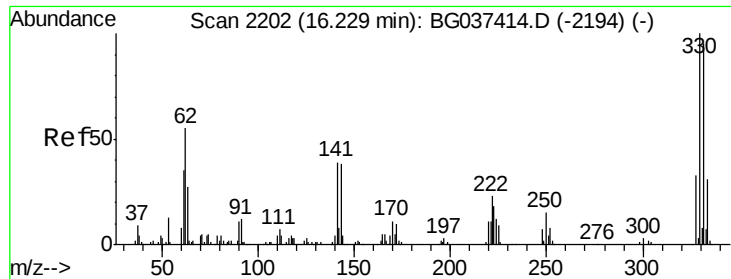
| Tot Ion   | 82    | Resp  | 345970 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.2  | 34.6  | 51.8   |
| 54        | 54.2  | 45.3  | 67.9   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.74 min Scan# 1949  
 Delta R.T. -0.00 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

| Tgt Ion   | 164   | Resp  | 183371 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.5 | 81.3  | 121.9  |
| 160       | 46.7  | 36.3  | 54.5   |

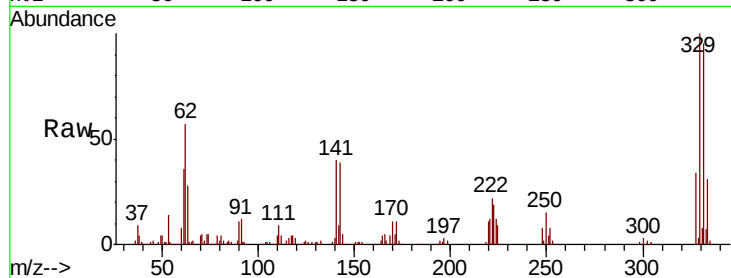




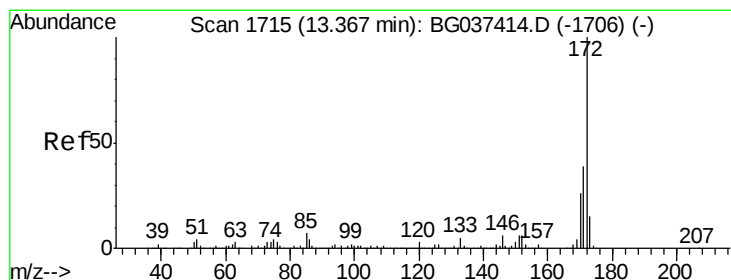
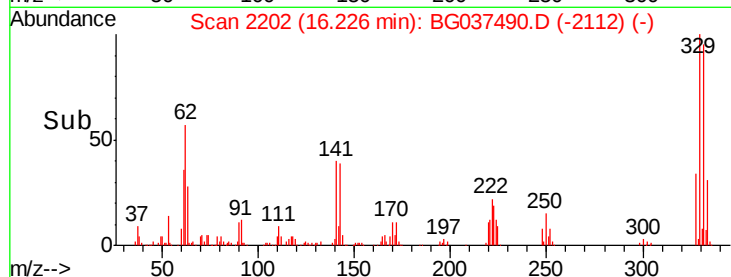
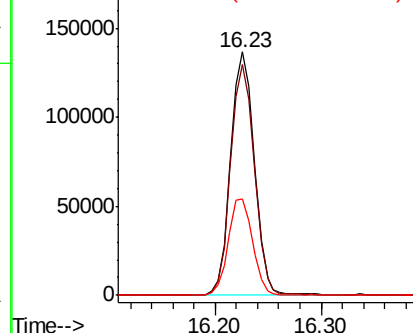
#42  
 2,4,6-Tribromophenol  
 Concen: 106.374 ng  
 RT: 16.23 min Scan# 2202  
 Delta R.T. -0.00 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 78.4  | 117.6 |
| 141     | 41.2  | 32.2  | 48.2  |

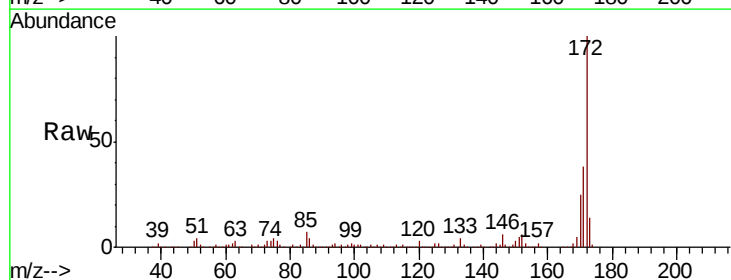


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

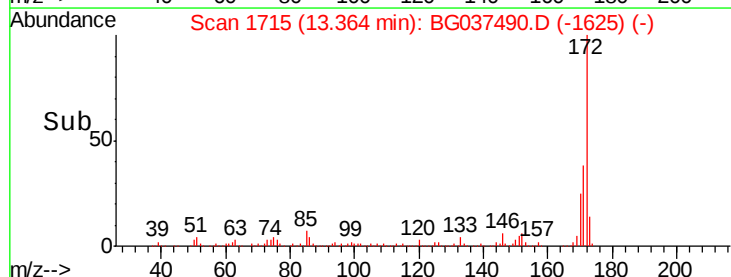
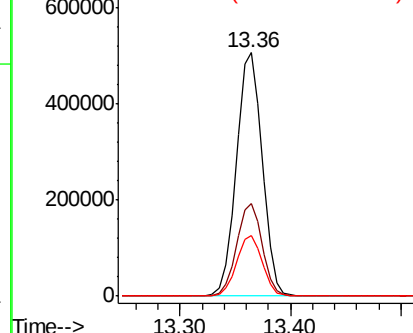


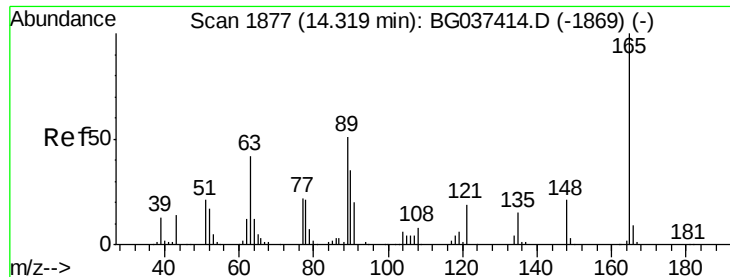
#45  
 2-Fluorobiphenyl  
 Concen: 68.510 ng  
 RT: 13.36 min Scan# 1715  
 Delta R.T. -0.00 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 31.0  | 46.4  |
| 170     | 25.0  | 20.2  | 30.2  |



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

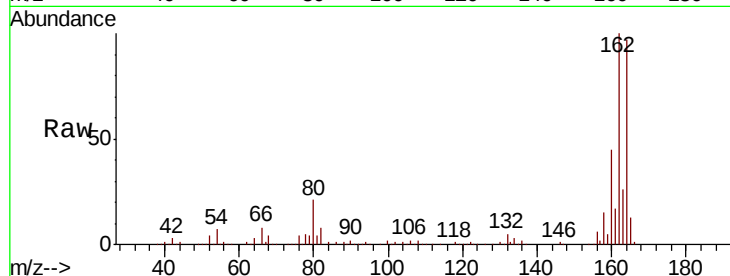




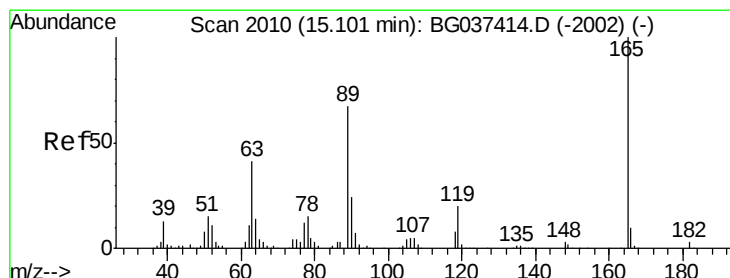
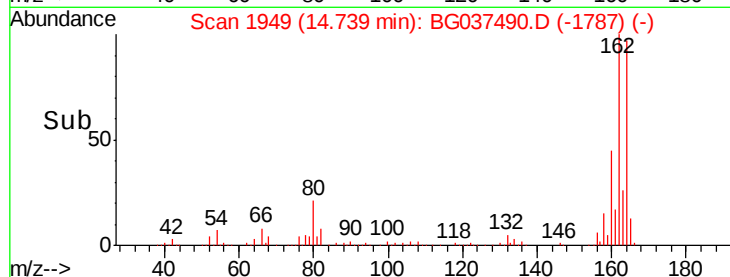
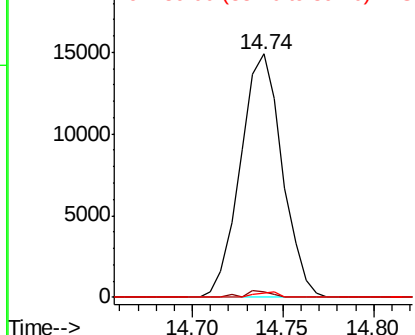
#51  
 2,6-Dinitrotoluene  
 Concen: 7.586 ng  
 RT: 14.74 min Scan# 1949  
 Delta R.T. 0.42 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.1   | 43.4  | 65.2# |
| 89      | 1.5   | 45.8  | 68.6# |

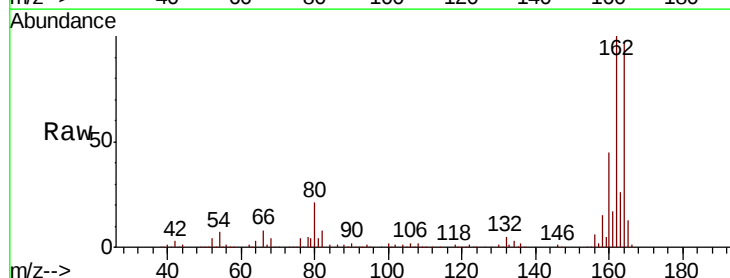


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

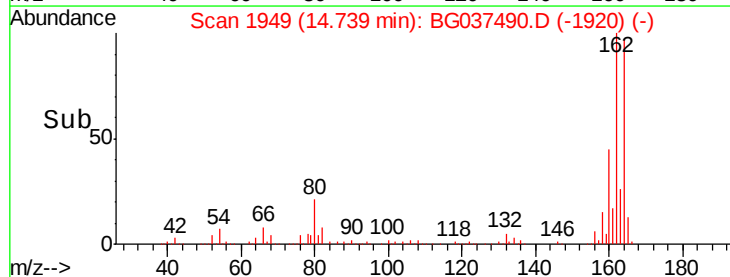
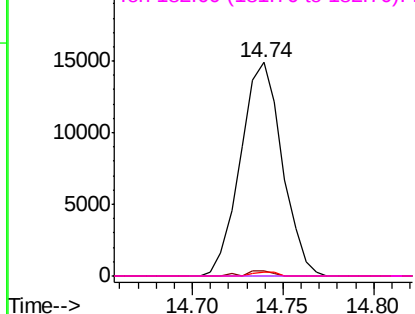


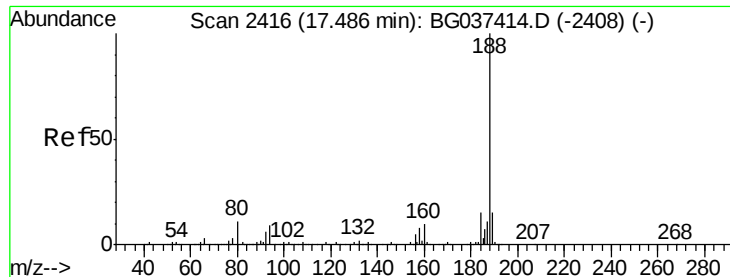
#57  
 2,4-Dinitrotoluene  
 Concen: 5.779 ng  
 RT: 14.74 min Scan# 1949  
 Delta R.T. -0.36 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.1   | 33.4  | 50.0# |
| 89      | 1.5   | 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: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037490.D

Acq: 24 Oct 2018 00:04

Instrument :

BNA\_G

ClientSampleId :

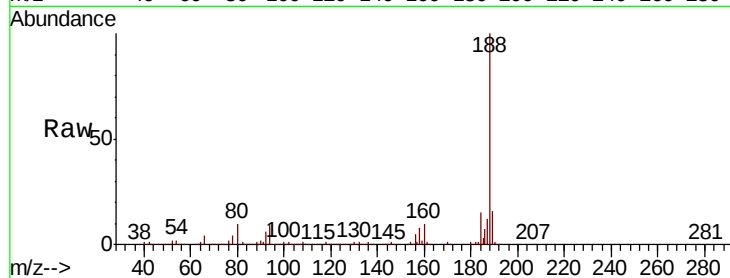
Tot Ion:188 Resp: 432430

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

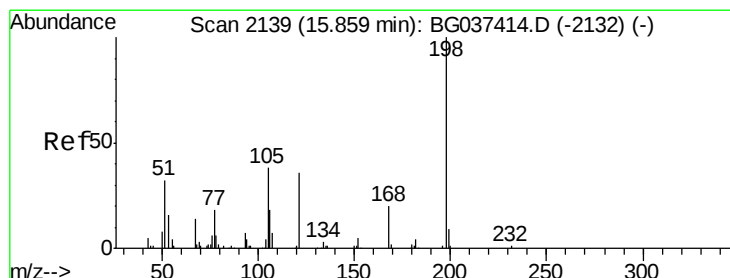
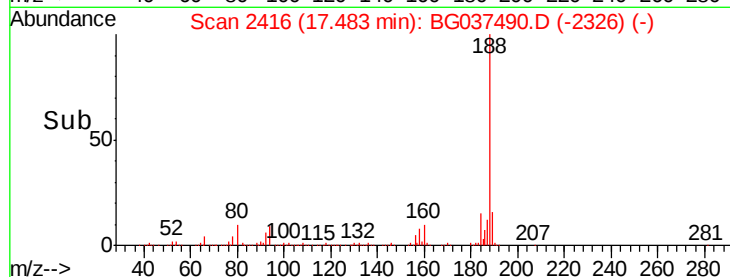
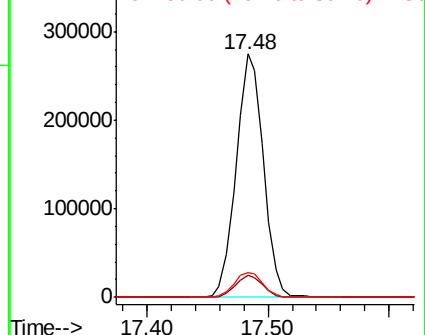
80 10.3 7.7 11.5



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: 8.789 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.37 min

Lab File: BG037490.D

Acq: 24 Oct 2018 00:04

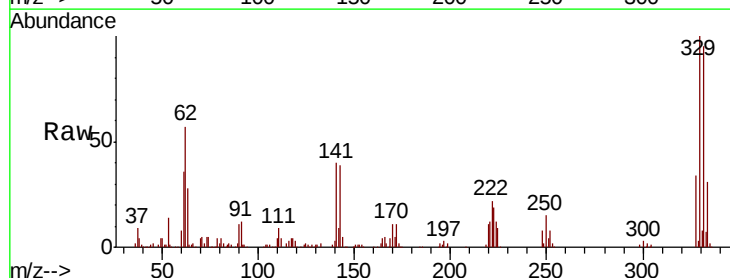
Tgt Ion:198 Resp: 777

Ion Ratio Lower Upper

198 100

51 26.0 22.7 62.7

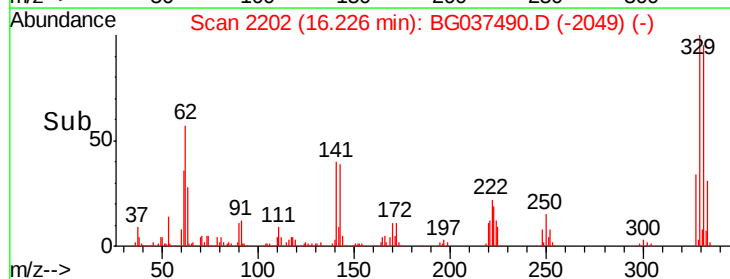
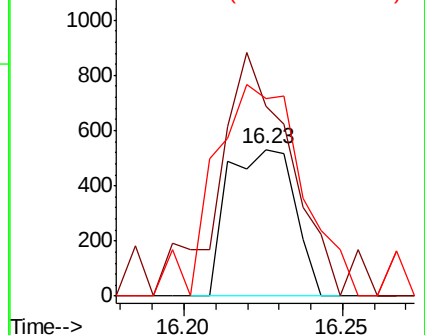
105 26.9 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

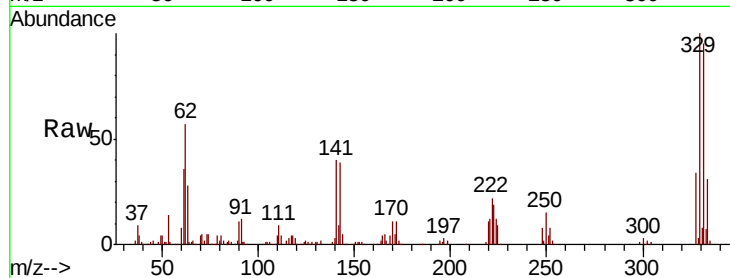




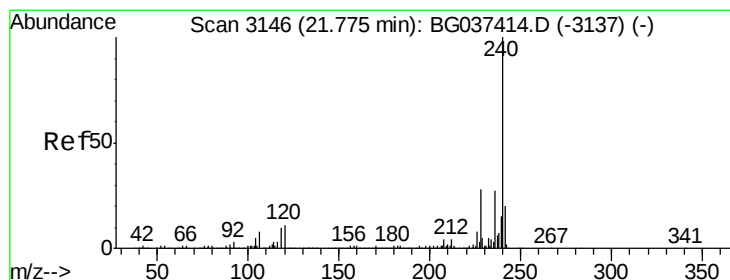
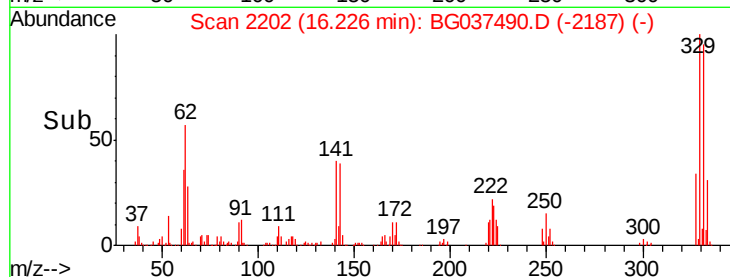
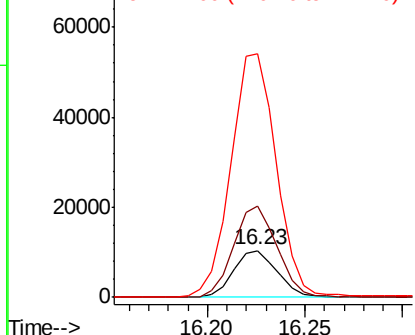
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.358 ng  
 RT: 16.23 min Scan# 2202  
 Delta R.T. -0.44 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 192.6 | 77.0  | 115.6# |
| 141     | 411.7 | 55.5  | 83.3#  |

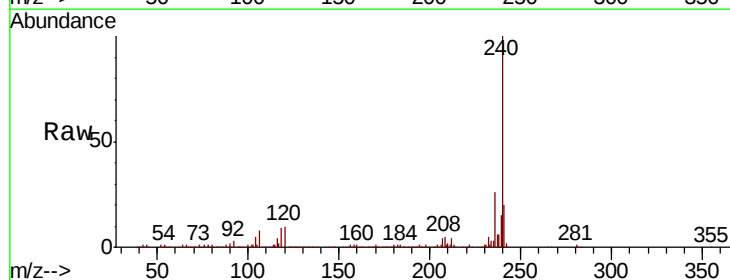


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

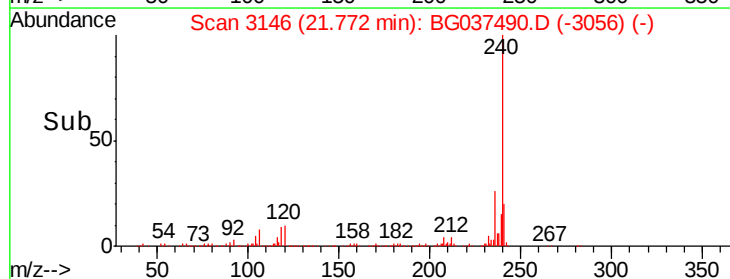
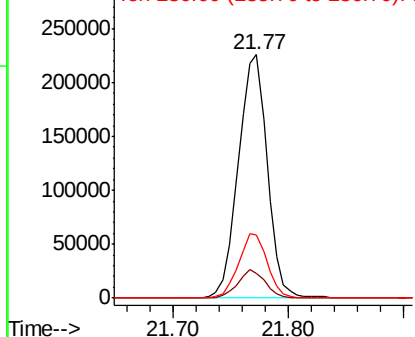


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.77 min Scan# 3146  
 Delta R.T. -0.00 min  
 Lab File: BG037490.D  
 Acq: 24 Oct 2018 00:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.0  | 8.1   | 12.1  |
| 236     | 26.0  | 21.4  | 32.0  |



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





#79

Terphenyl-d14

Concen: 69.840 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037490.D

Acq: 24 Oct 2018 00:04

Instrument :

BNA\_G

ClientSampleId :

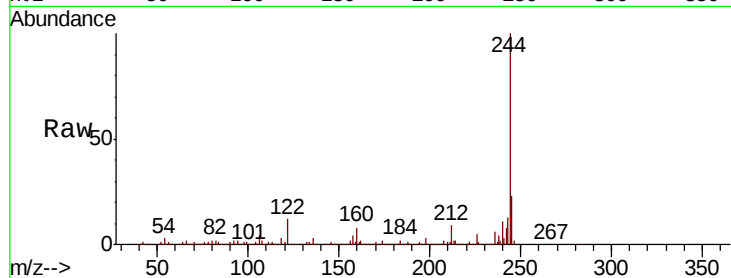
Tot Ion:244 Resp: 1283006

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

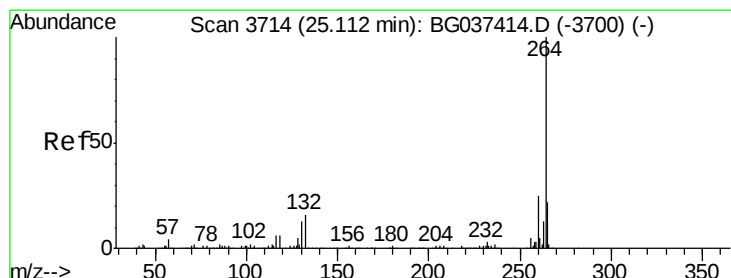
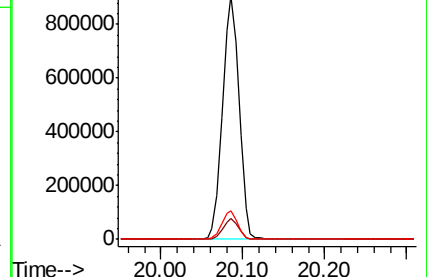
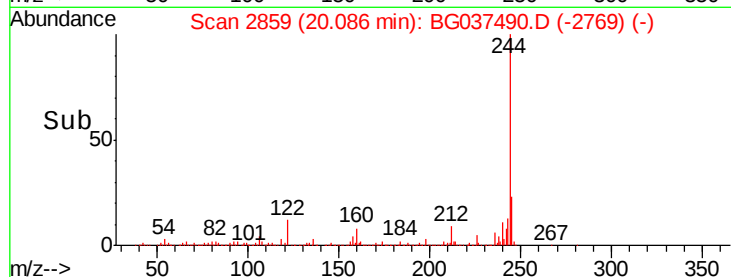
122 11.7 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037490.D

Acq: 24 Oct 2018 00:04

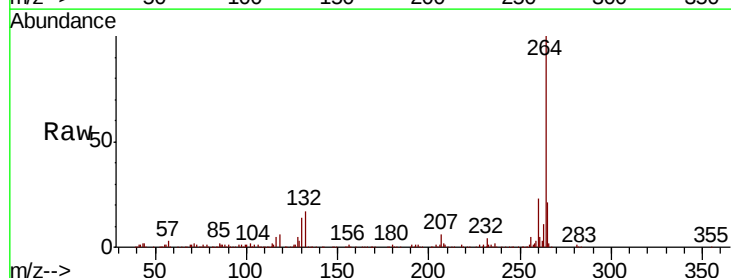
Tgt Ion:264 Resp: 400301

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

265 21.2 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

