

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\  
 Data File : BG037605.D  
 Acq On : 27 Oct 2018 6:55  
 Operator : JU/SJ  
 Sample : J5675-08  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 29 02:14:29 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

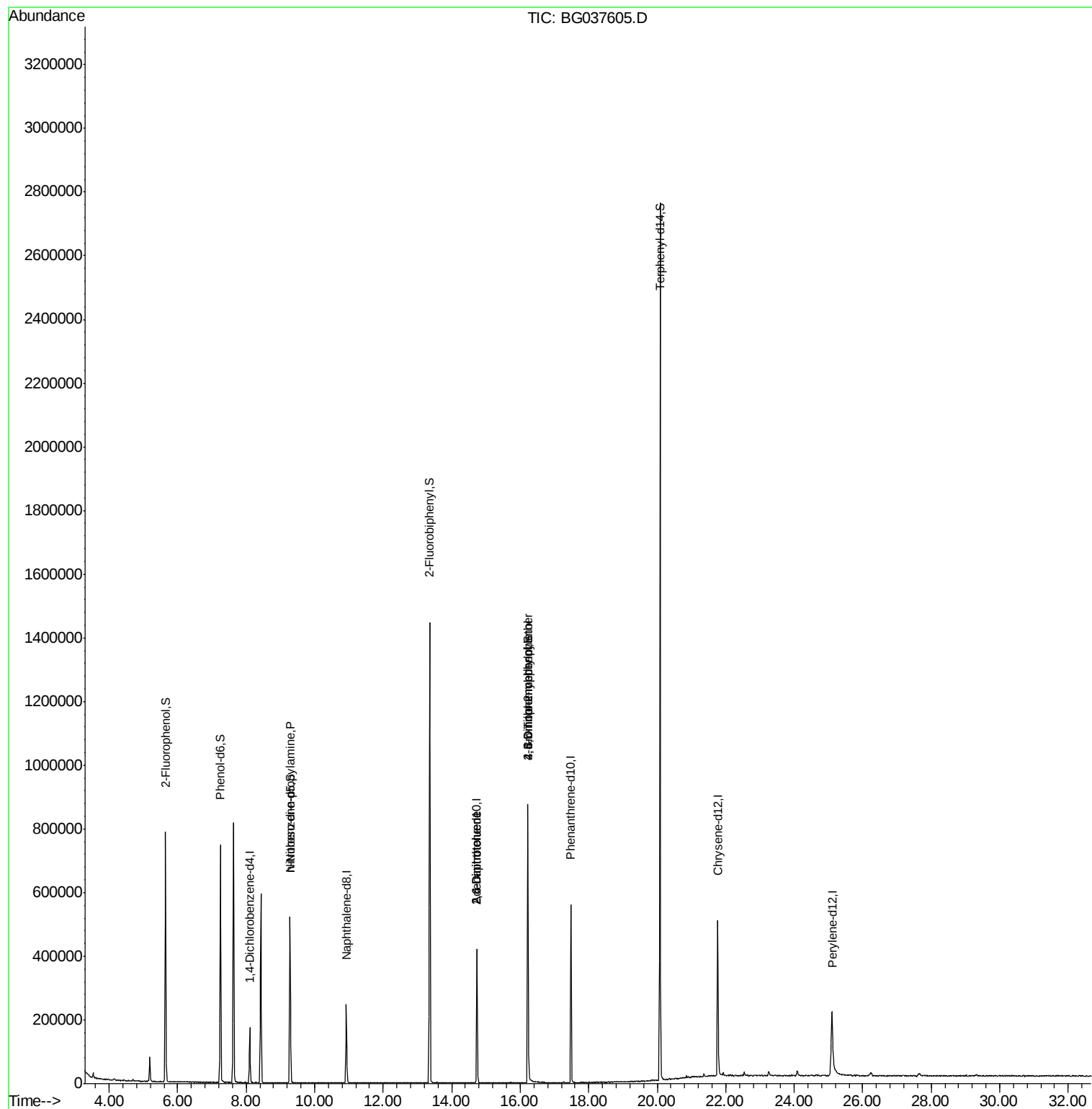
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 51656    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.92 | 136  | 223290   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.74 | 164  | 151943   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.48 | 188  | 363637   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.77 | 240  | 331644   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.10 | 264  | 293882   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.65  | 112  | 360092   | 116.54 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.24  | 99   | 470675   | 100.74 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.28  | 82   | 334629   | 83.95  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.22 | 330  | 158939   | 95.91  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.36 | 172  | 810380   | 80.43  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.08 | 244  | 1271613  | 81.93  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.28  | 70   | 41085    | 12.770 | ng    | # 73     |
| 51) 2,6-Dinitrotoluene         | 14.74 | 165  | 20050    | 7.711  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 14.74 | 165  | 20050    | 5.874  | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylphenol | 16.23 | 198  | 445      | 8.699  | ng    | # 79     |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248  | 11330    | 2.837  | ng    | # 1      |

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

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BNA\_G  
ClientSampleId :

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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



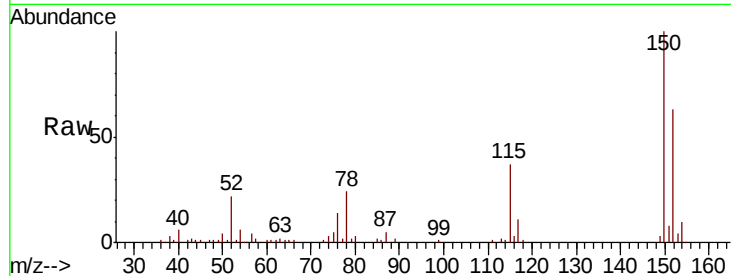


#1

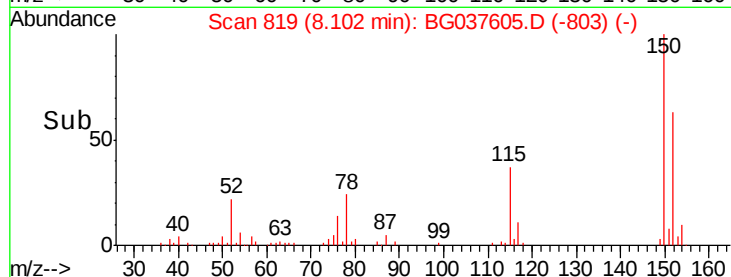
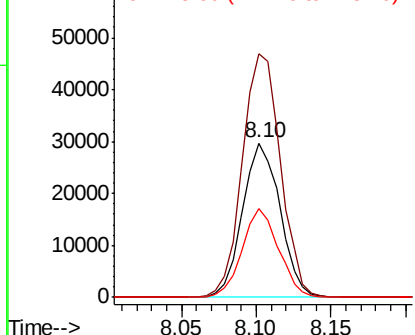
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037605.D  
Acq: 27 Oct 2018 6:55

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 51656  
Ion Ratio Lower Upper  
152 100  
150 157.7 126.0 189.0  
115 57.7 45.5 68.3



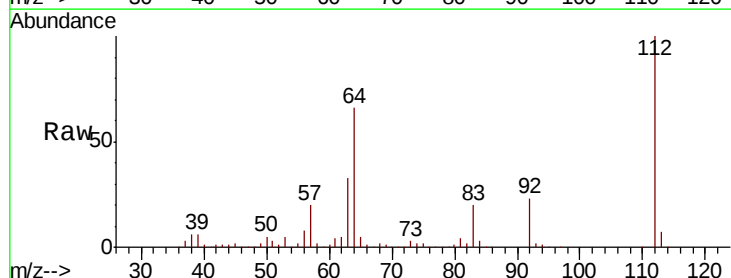
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



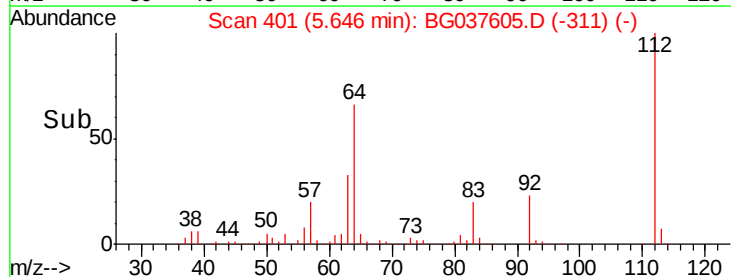
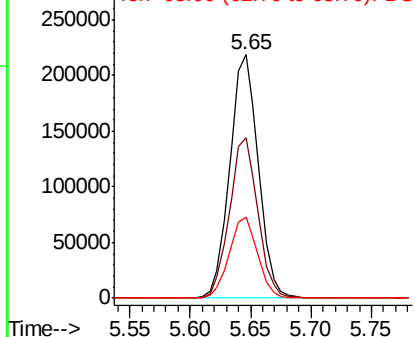
#5

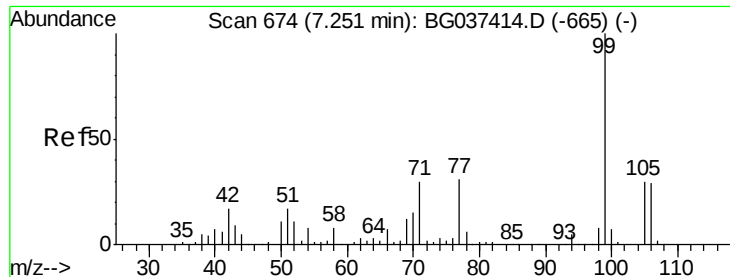
2-Fluorophenol  
Concen: 116.544 ng  
RT: 5.65 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BG037605.D  
Acq: 27 Oct 2018 6:55

Tgt Ion:112 Resp: 360092  
Ion Ratio Lower Upper  
112 100  
64 65.9 53.1 79.7  
63 33.1 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: 100.742 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037605.D

Acq: 27 Oct 2018 6:55

Instrument :

BNA\_G

ClientSampleId :

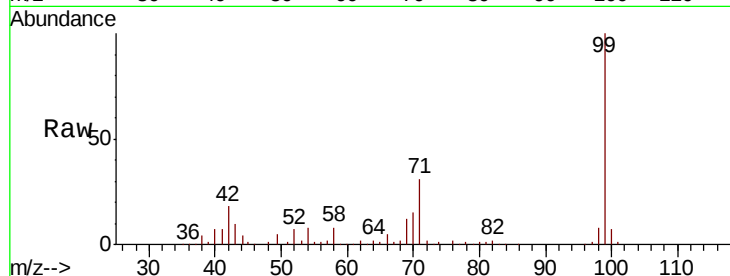
Tot Ion: 99 Resp: 470675

Ion Ratio Lower Upper

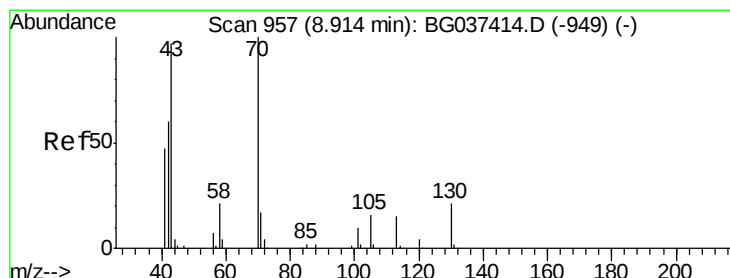
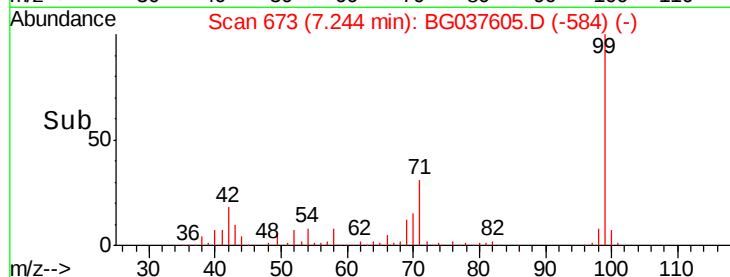
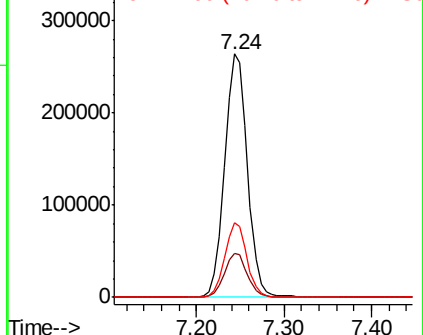
99 100

42 18.2 15.0 22.4

71 30.9 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: 12.770 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037605.D

Acq: 27 Oct 2018 6:55

Tgt Ion: 70 Resp: 41085

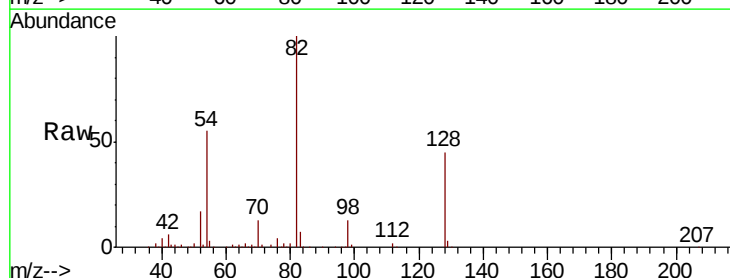
Ion Ratio Lower Upper

70 100

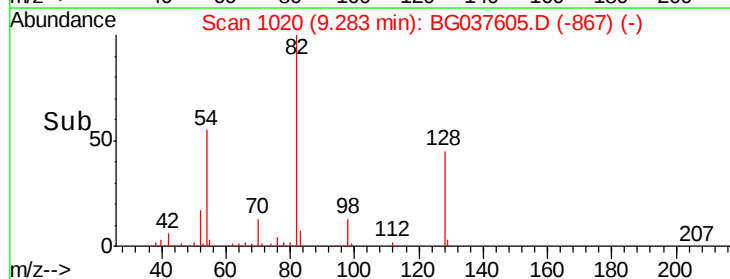
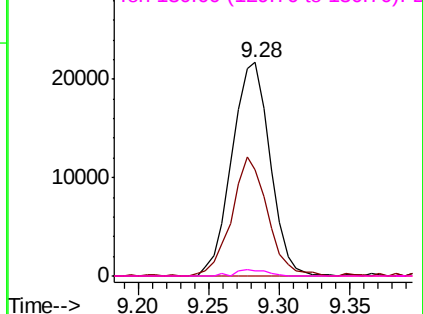
42 49.9 53.9 80.9#

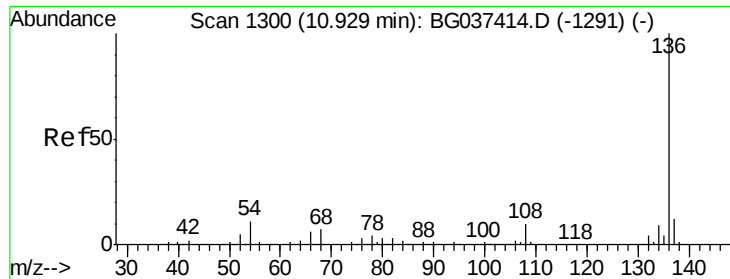
101 0.0 8.2 12.2#

130 2.7 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

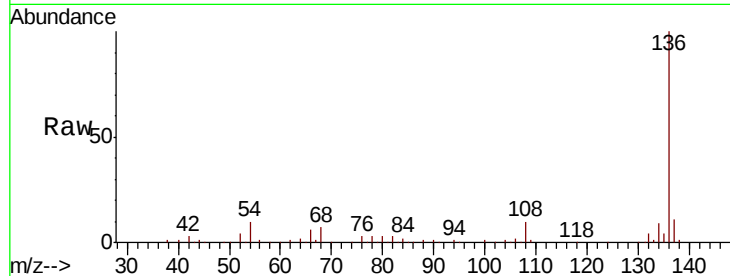




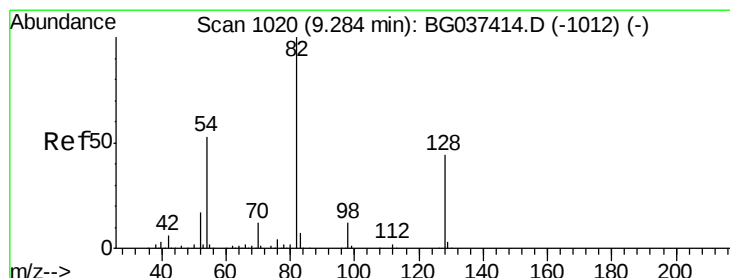
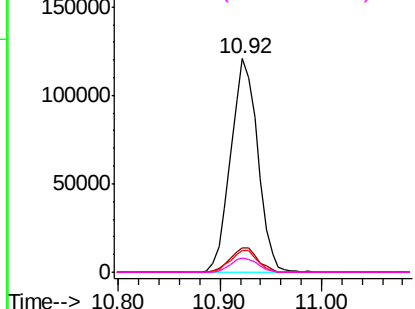
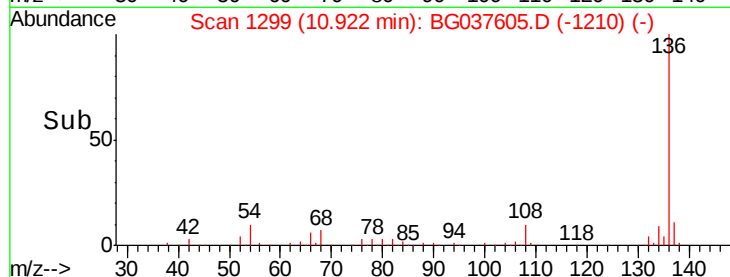
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BG037605.D  
Acq: 27 Oct 2018 6:55

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 223290 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.4    | 9.6   | 14.4   |
| 54 10.1     | 7.9   | 11.9   |
| 68 6.7      | 4.8   | 7.2    |

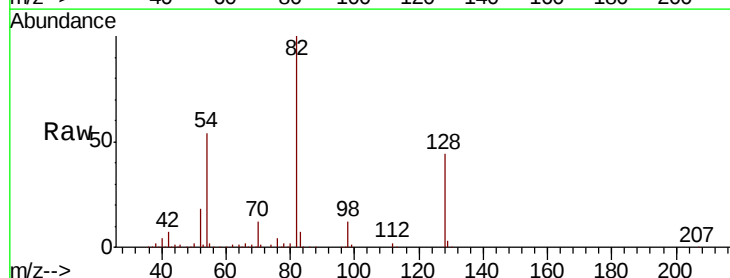


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

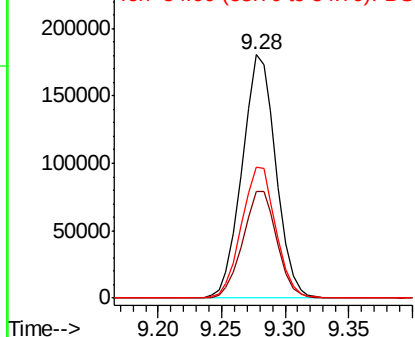
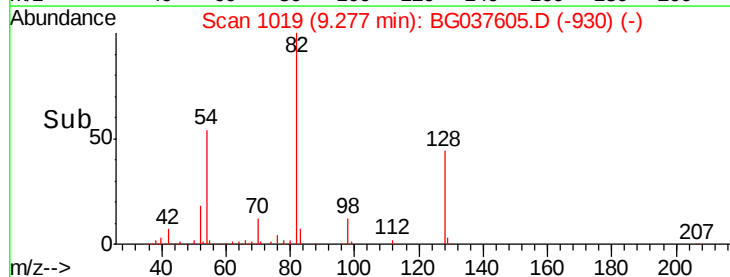


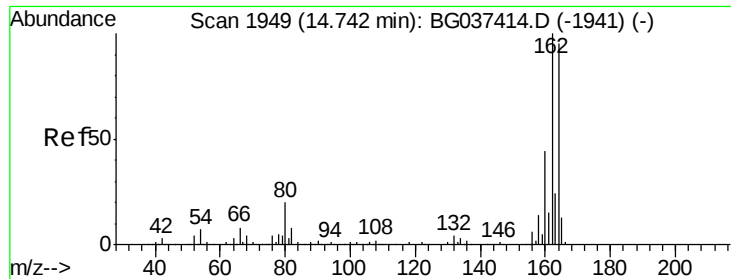
#23  
Nitrobenzene-d5  
Concen: 83.952 ng  
RT: 9.28 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BG037605.D  
Acq: 27 Oct 2018 6:55

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 334629 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 43.6    | 34.6 51.8    |
| 54 53.5     | 45.3 67.9    |



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

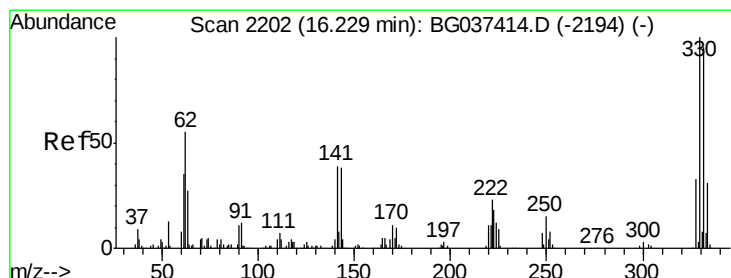
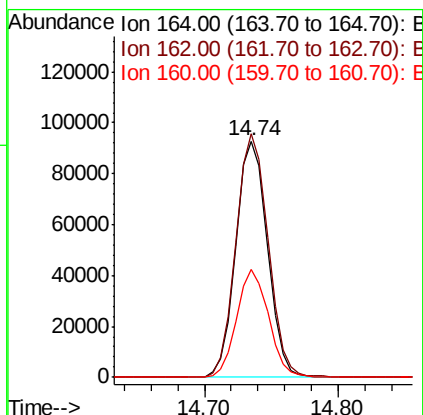
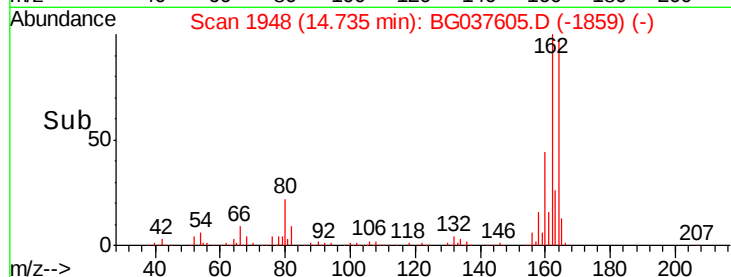
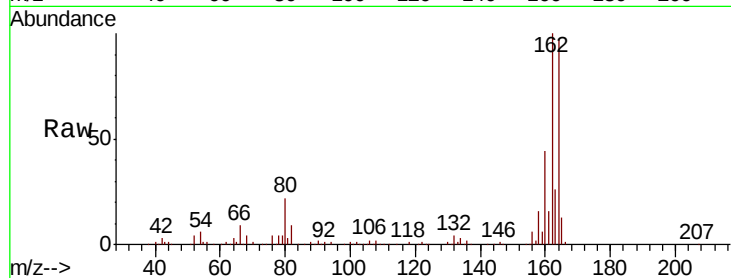




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.74 min Scan# 1948  
 Delta R.T. -0.01 min  
 Lab File: BG037605.D  
 Acq: 27 Oct 2018 6:55

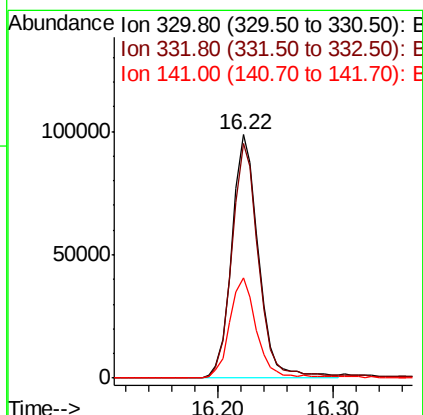
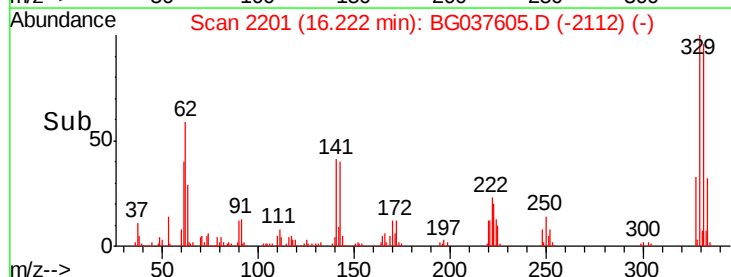
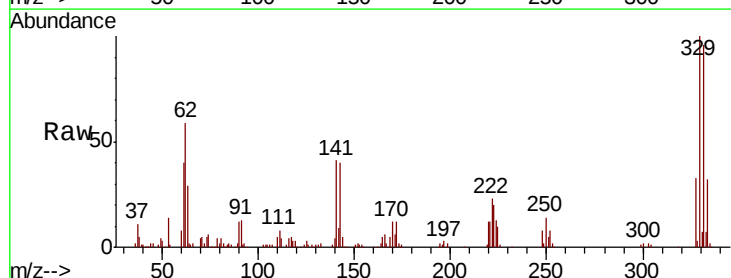
Instrument :  
 BNA\_G  
 ClientSampleId :

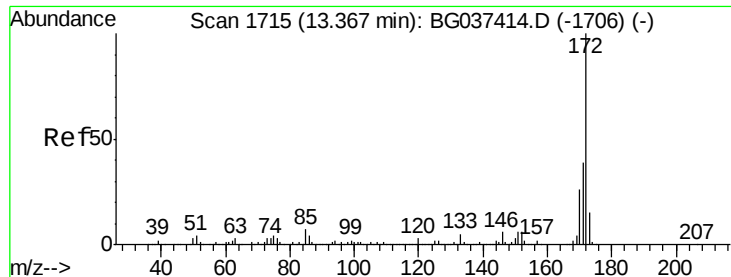
Tot Ion:164 Resp: 151943  
 Ion Ratio Lower Upper  
 164 100  
 162 103.1 81.3 121.9  
 160 45.6 36.3 54.5



#42  
 2,4,6-Tribromophenol  
 Concen: 95.907 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG037605.D  
 Acq: 27 Oct 2018 6:55

Tgt Ion:330 Resp: 158939  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 78.4 117.6  
 141 41.2 32.2 48.2

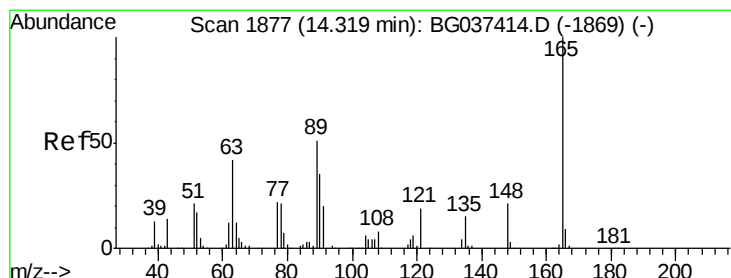
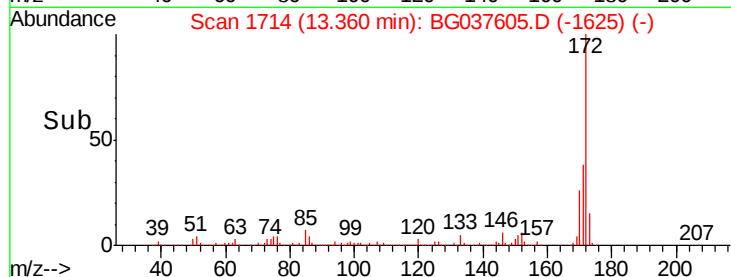
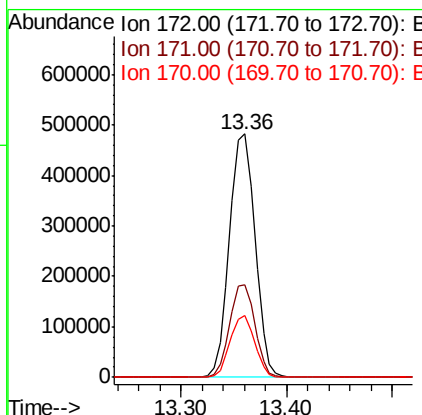
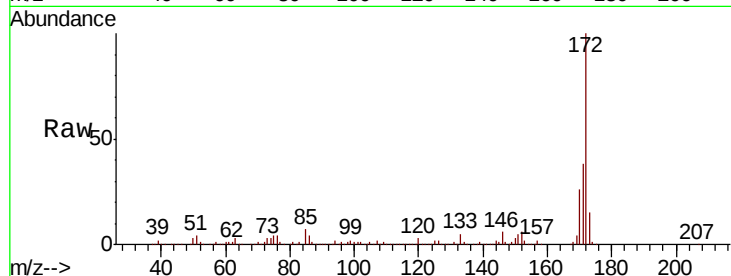




#45  
2-Fluorobiphenyl  
Concen: 80.425 ng  
RT: 13.36 min Scan# 1714  
Delta R.T. -0.01 min  
Lab File: BG037605.D  
Acq: 27 Oct 2018 6:55

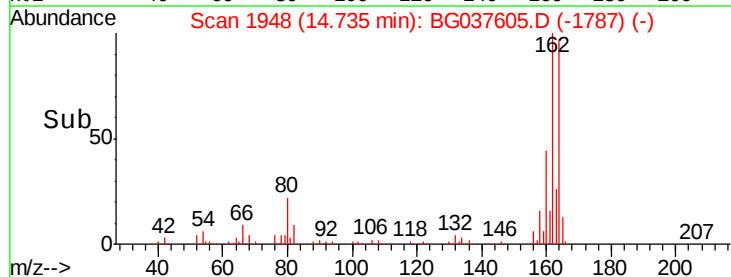
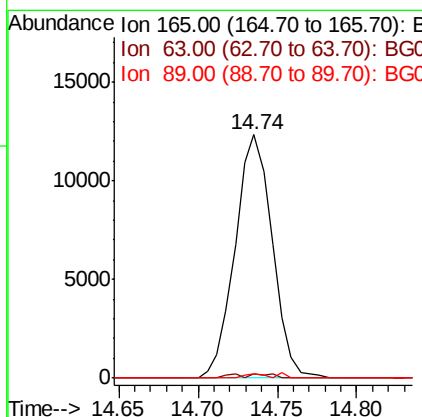
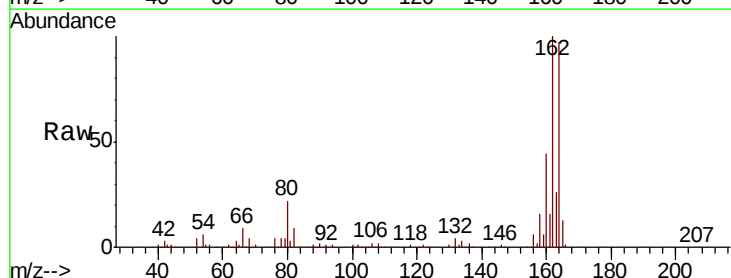
Instrument :  
BNA\_G  
ClientSampleId :

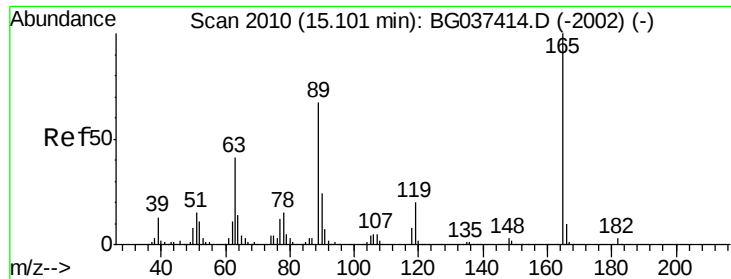
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 31.0  | 46.4  |
| 170     | 25.6  | 20.2  | 30.2  |



#51  
2,6-Dinitrotoluene  
Concen: 7.711 ng  
RT: 14.74 min Scan# 1948  
Delta R.T. 0.42 min  
Lab File: BG037605.D  
Acq: 27 Oct 2018 6:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 43.4  | 65.2# |
| 89      | 1.6   | 45.8  | 68.6# |

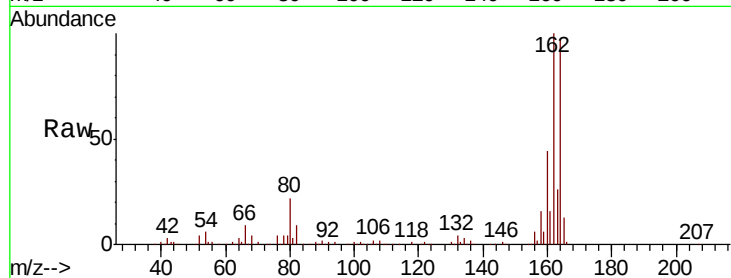




#57  
 2,4-Dinitrotoluene  
 Concen: 5.874 ng  
 RT: 14.74 min Scan# 1948  
 Delta R.T. -0.37 min  
 Lab File: BG037605.D  
 Acq: 27 Oct 2018 6:55

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 33.4  | 50.0# |
| 89      | 1.6   | 57.2  | 85.8# |
| 182     | 0.0   | 2.6   | 4.0#  |

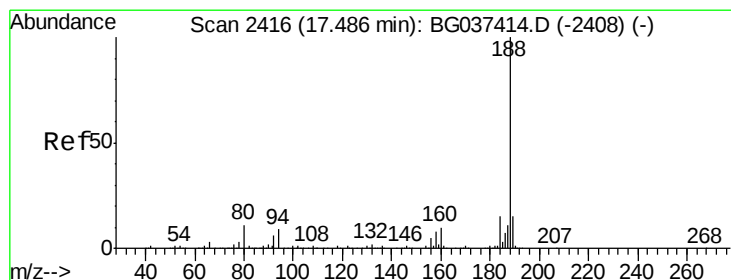
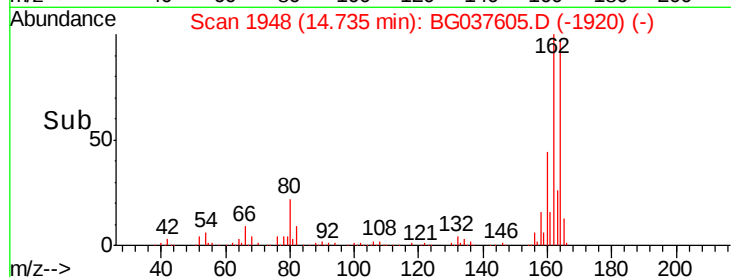
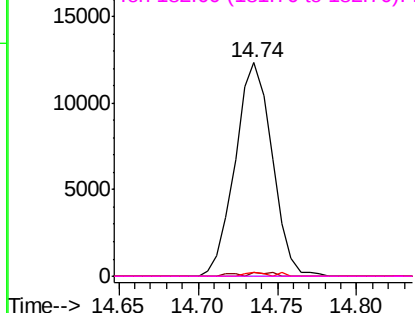


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

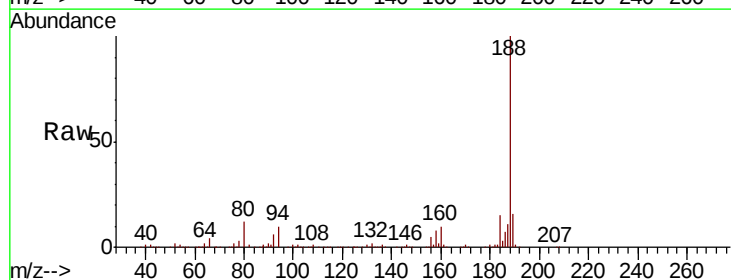
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.48 min Scan# 2415  
 Delta R.T. -0.01 min  
 Lab File: BG037605.D  
 Acq: 27 Oct 2018 6:55

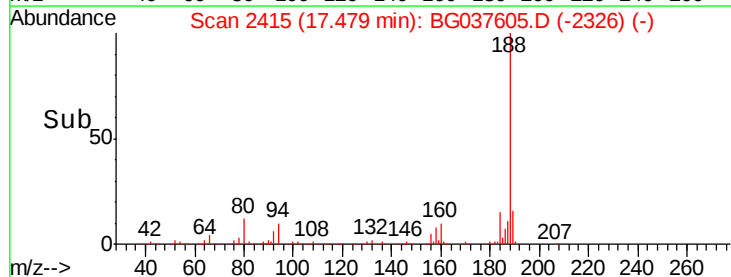
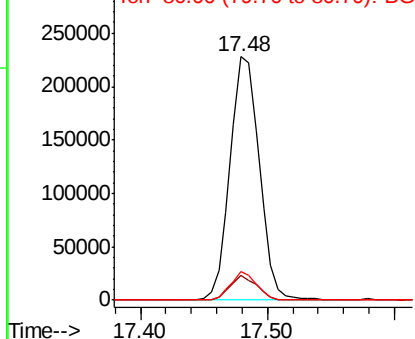
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.0  | 7.2   | 10.8  |
| 80      | 11.7  | 7.7   | 11.5# |



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

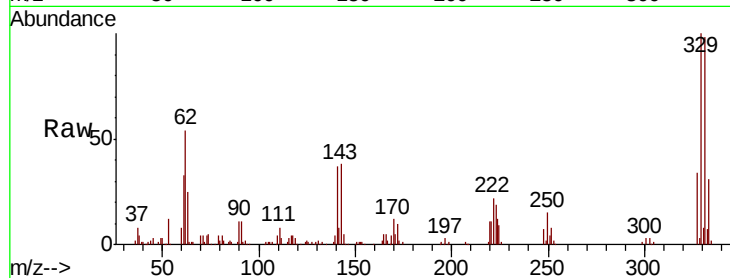




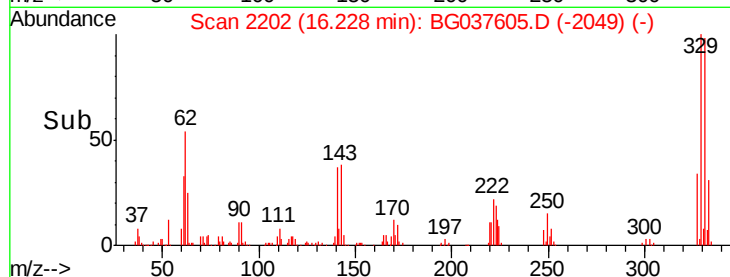
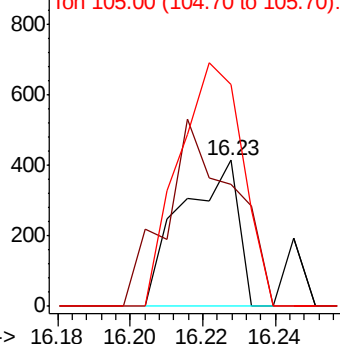
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.699 ng  
 RT: 16.23 min Scan# 2202  
 Delta R.T. 0.37 min  
 Lab File: BG037605.D  
 Acq: 27 Oct 2018 6:55

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:198 Resp: 445  
 Ion Ratio Lower Upper  
 198 100  
 51 20.0 22.7 62.7#  
 105 36.5 19.7 59.7

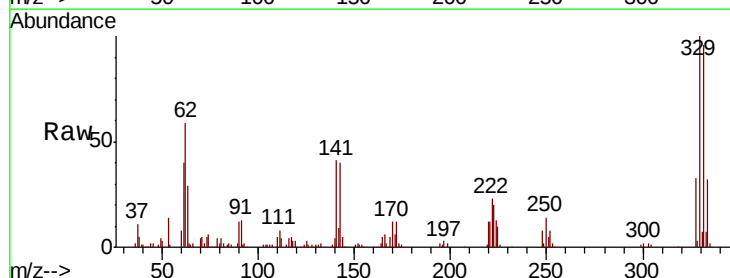


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BG  
 Ion 105.00 (104.70 to 105.70): E

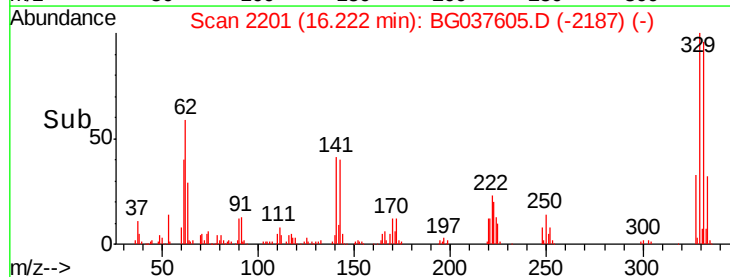
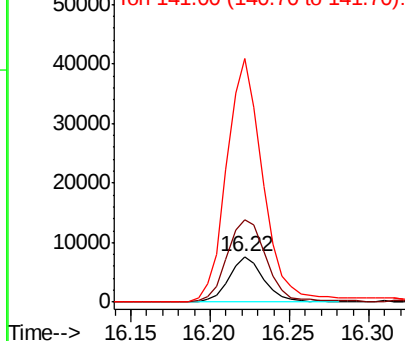


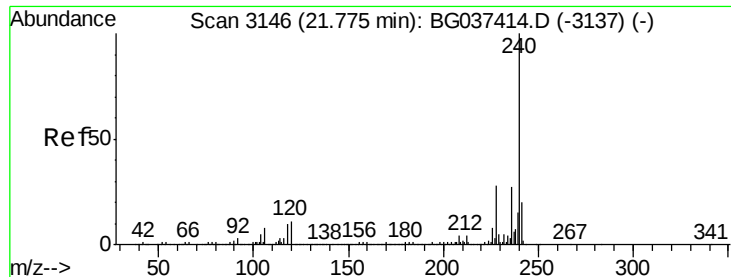
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.837 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.45 min  
 Lab File: BG037605.D  
 Acq: 27 Oct 2018 6:55

Tgt Ion:248 Resp: 11330  
 Ion Ratio Lower Upper  
 248 100  
 250 184.6 77.0 115.6#  
 141 412.7 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

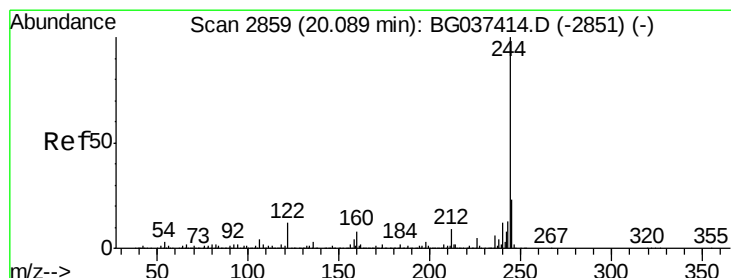
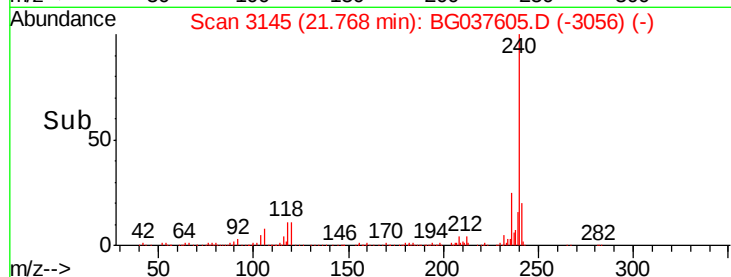
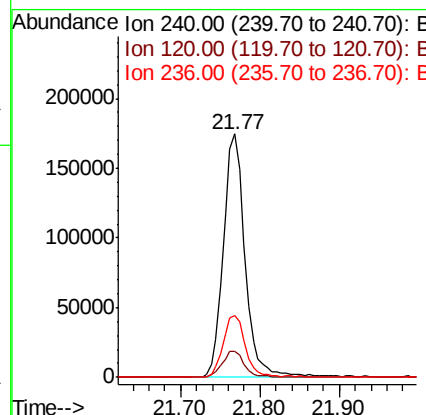
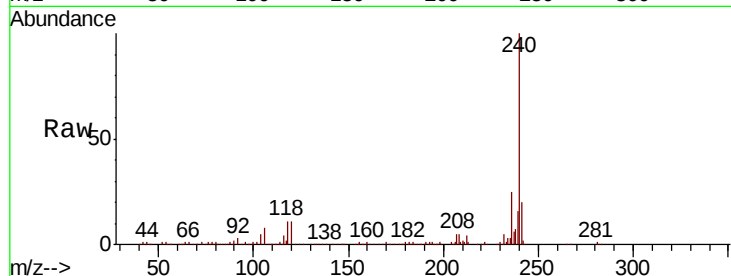




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.77 min Scan# 3145  
 Delta R.T. -0.01 min  
 Lab File: BG037605.D  
 Acq: 27 Oct 2018 6:55

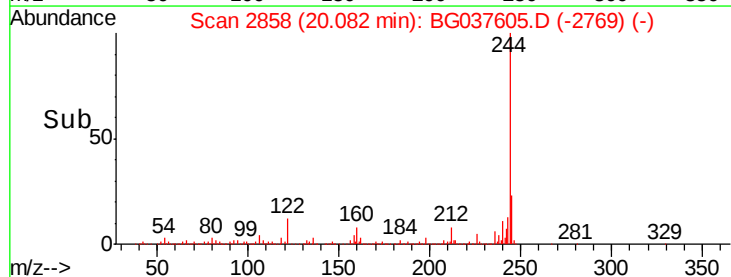
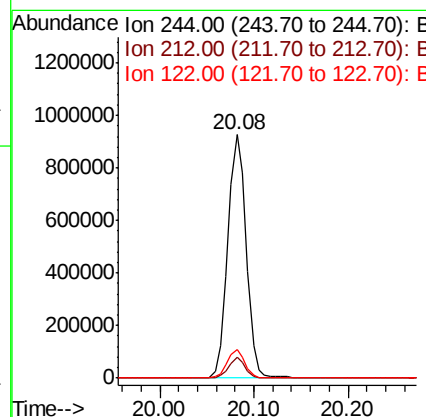
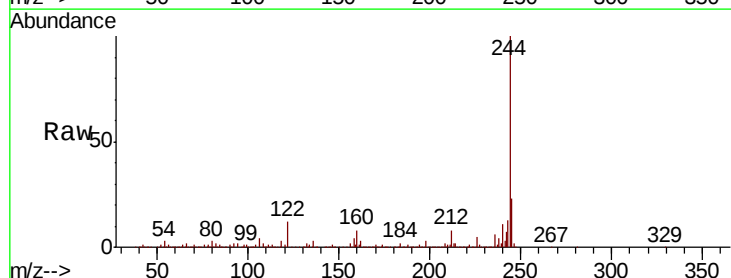
Instrument :  
 BNA\_G  
 ClientSampled :

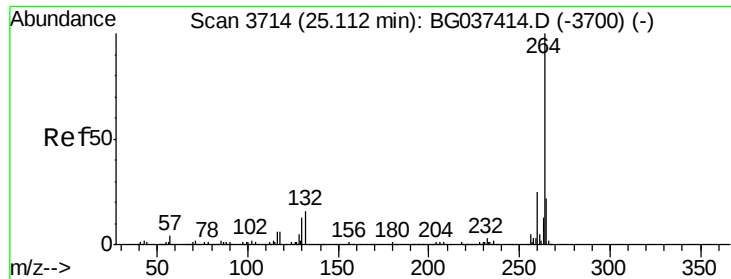
Tot Ion:240 Resp: 331644  
 Ion Ratio Lower Upper  
 240 100  
 120 10.6 8.1 12.1  
 236 25.3 21.4 32.0



#79  
 Terphenyl-d14  
 Concen: 81.929 ng  
 RT: 20.08 min Scan# 2858  
 Delta R.T. -0.01 min  
 Lab File: BG037605.D  
 Acq: 27 Oct 2018 6:55

Tgt Ion:244 Resp: 1271613  
 Ion Ratio Lower Upper  
 244 100  
 212 8.4 6.5 9.7  
 122 12.0 9.0 13.4

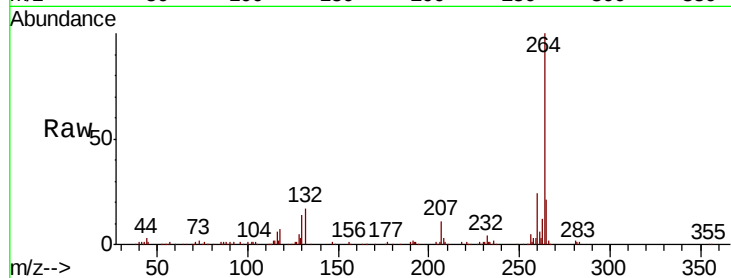




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.10 min Scan# 3712  
Delta R.T. -0.01 min  
Lab File: BG037605.D  
Acq: 27 Oct 2018 6:55

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 18.2  | 27.4  |
| 265     | 20.9  | 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

