

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110518\  
 Data File : BG037834.D  
 Acq On : 6 Nov 2018 11:34  
 Operator : JU/SJ  
 Sample : J5764-16  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 06 12:30:07 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

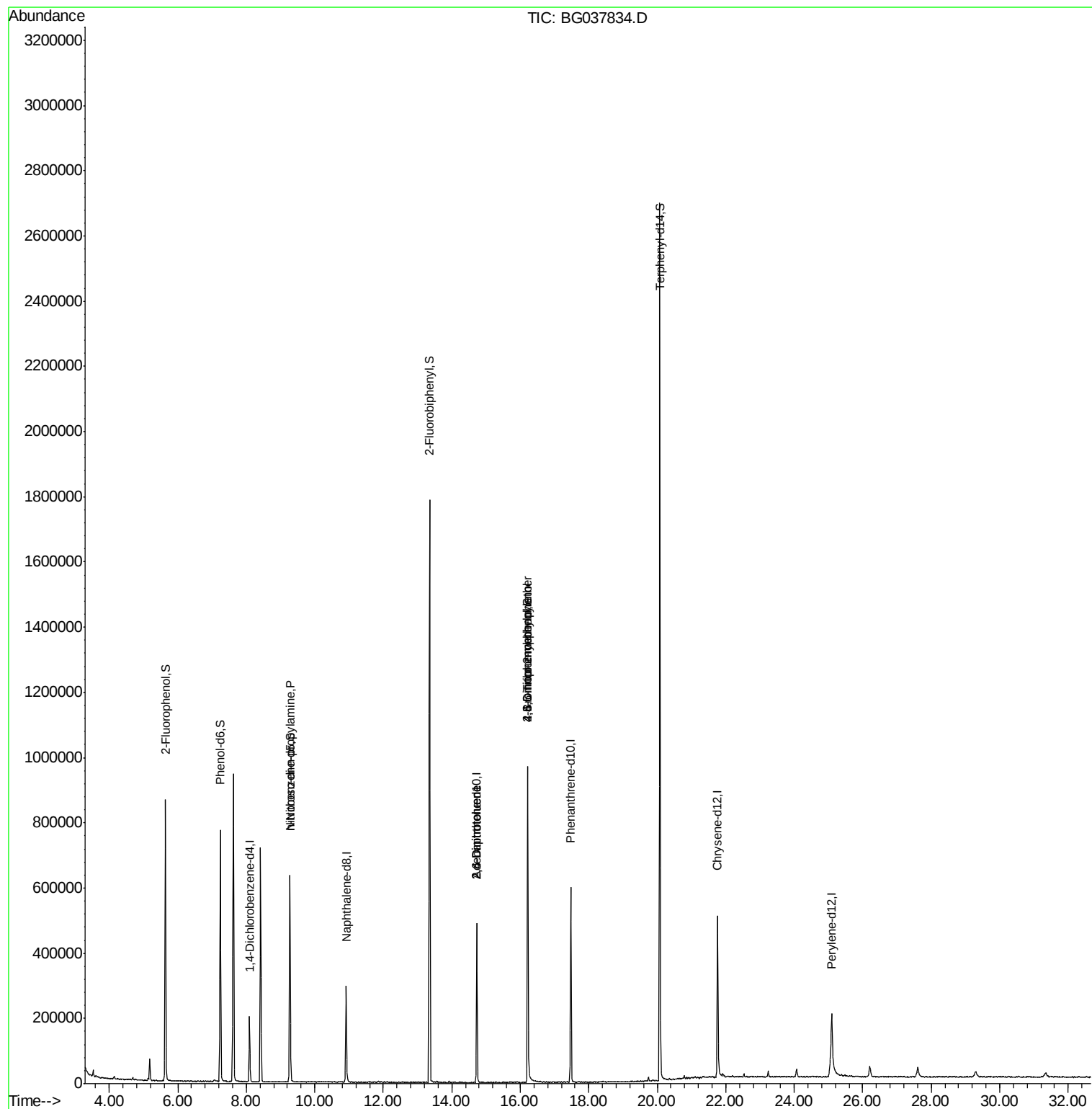
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 60590    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.91 | 136  | 272128   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.73 | 164  | 175537   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 17.48 | 188  | 391922   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.76 | 240  | 351953   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 25.09 | 264  | 289081   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 398049   | 109.83 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.24  | 99   | 502791   | 91.75  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.27  | 82   | 407409   | 83.87  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.22 | 330  | 196750   | 102.76 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.35 | 172  | 988101   | 84.88  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.07 | 244  | 1392786  | 84.56  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.27  | 70   | 51113    | 13.545 | ng    | # 69     |
| 51) 2,6-Dinitrotoluene         | 14.73 | 165  | 22602    | 7.524  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 22602    | 5.732  | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 690      | 8.784  | ng    | 84       |
| 67) 4-Bromophenyl-phenylether  | 16.21 | 248  | 13689    | 3.181  | ng    | # 1      |

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

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BNA\_G  
ClientSampleId :

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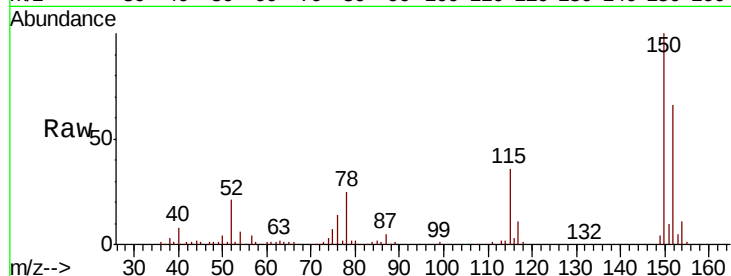


#1

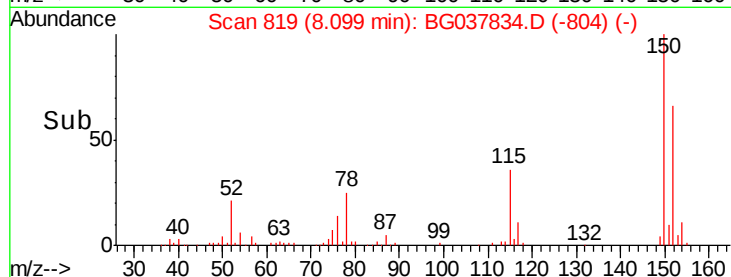
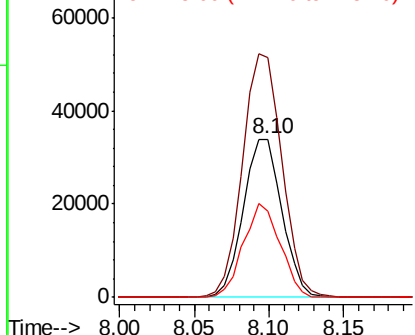
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037834.D  
Acq: 6 Nov 2018 11:34

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 60590  
Ion Ratio Lower Upper  
152 100  
150 151.3 126.0 189.0  
115 54.1 45.5 68.3



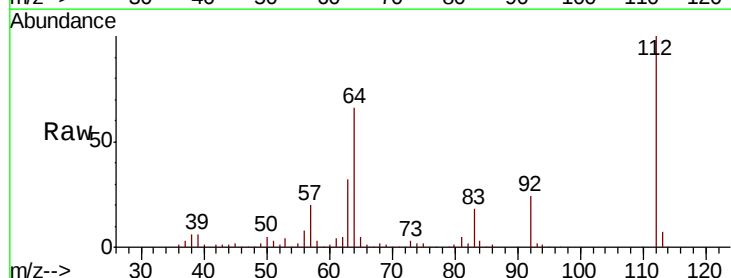
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



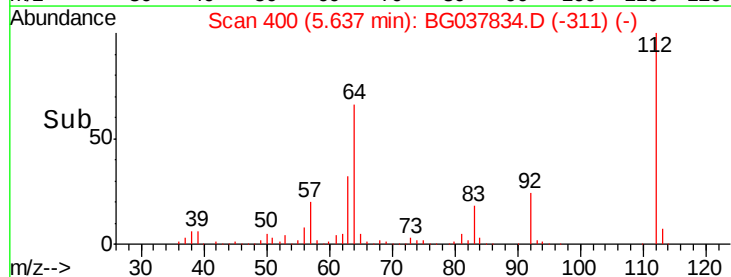
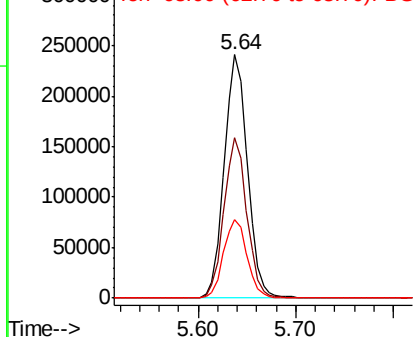
#5

2-Fluorophenol  
Concen: 109.833 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG037834.D  
Acq: 6 Nov 2018 11:34

Tgt Ion:112 Resp: 398049  
Ion Ratio Lower Upper  
112 100  
64 65.9 53.1 79.7  
63 32.1 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: 91.748 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037834.D

Acq: 6 Nov 2018 11:34

Instrument :

BNA\_G

ClientSampleId :

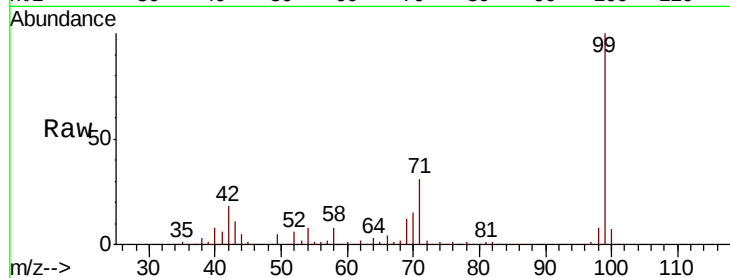
Tot Ion: 99 Resp: 502791

Ion Ratio Lower Upper

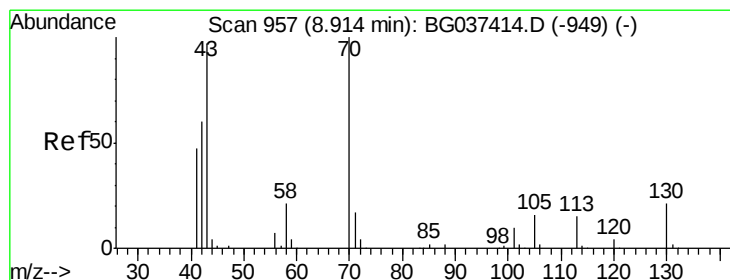
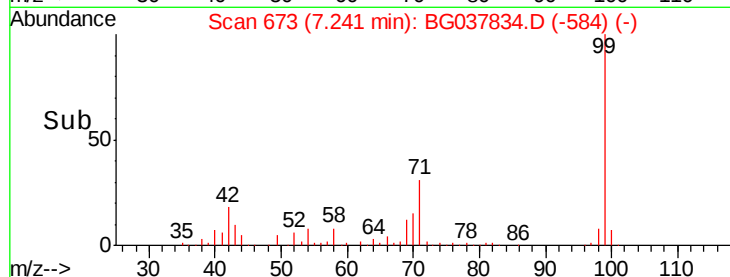
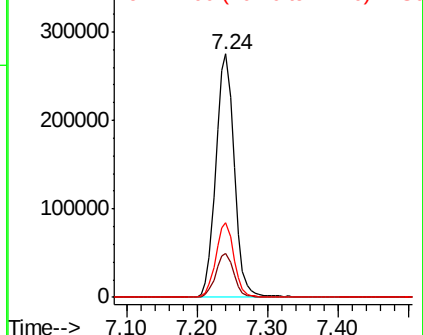
99 100

42 17.9 15.0 22.4

71 30.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.545 ng

RT: 9.27 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037834.D

Acq: 6 Nov 2018 11:34

Tgt Ion: 70 Resp: 51113

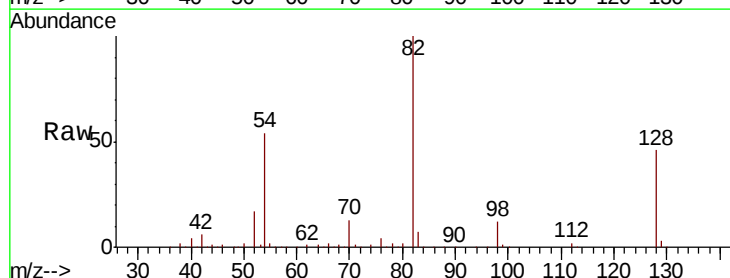
Ion Ratio Lower Upper

70 100

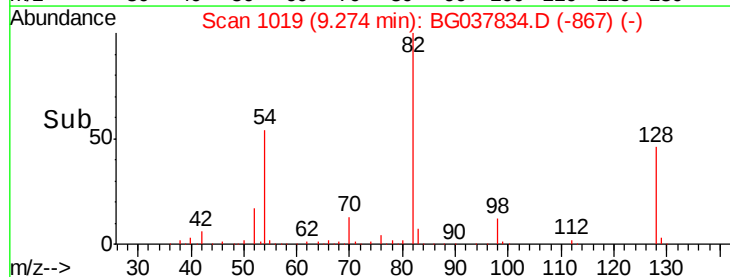
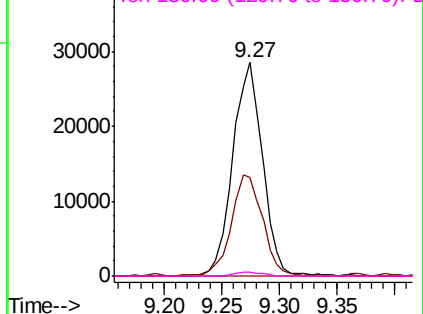
42 46.0 53.9 80.9#

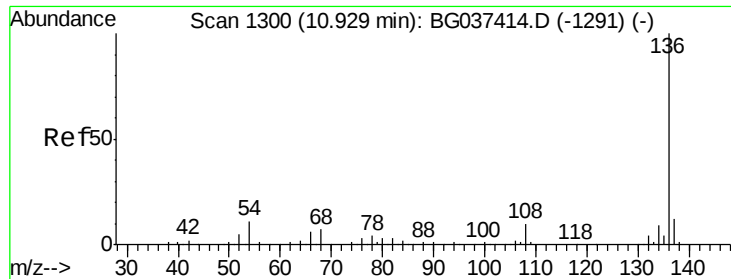
101 0.0 8.2 12.2#

130 1.8 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

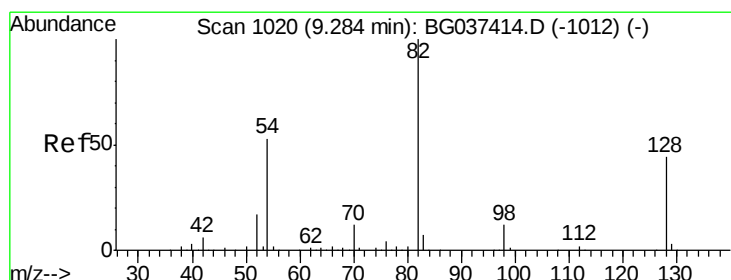
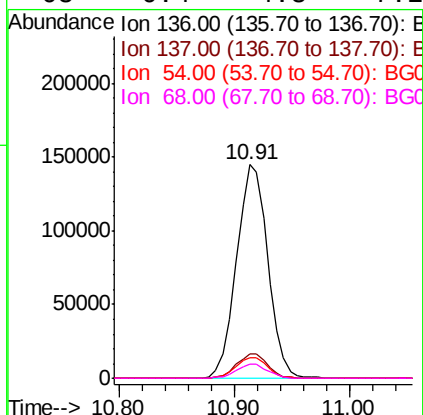
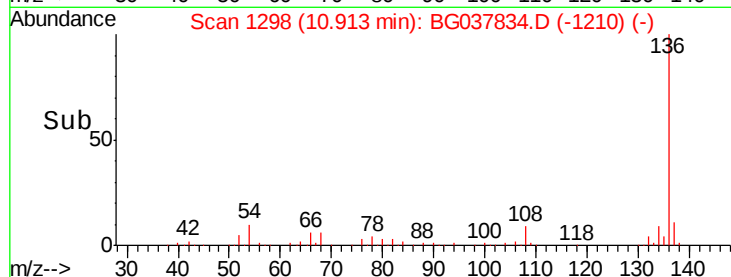
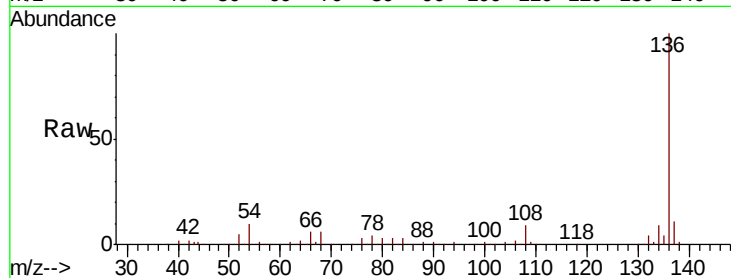




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.91 min Scan# 1298  
Delta R.T. -0.02 min  
Lab File: BG037834.D  
Acq: 6 Nov 2018 11:34

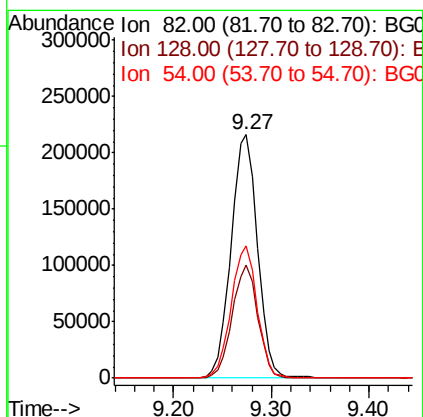
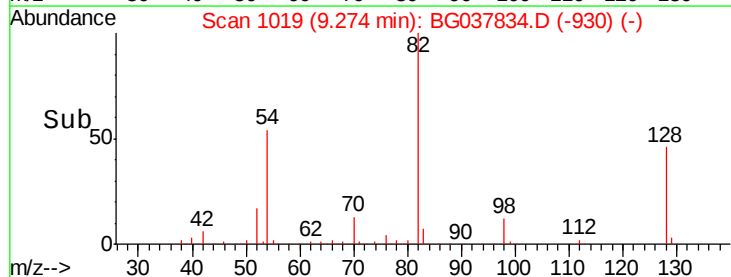
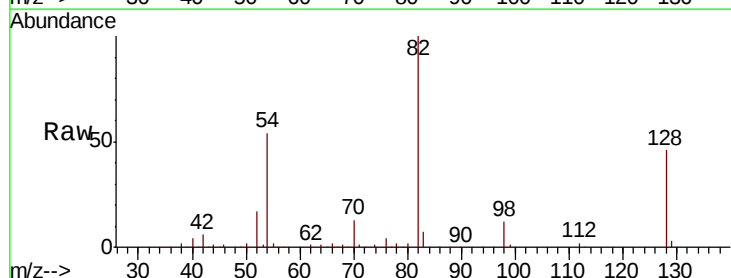
Instrument :  
BNA\_G  
ClientSampleId :

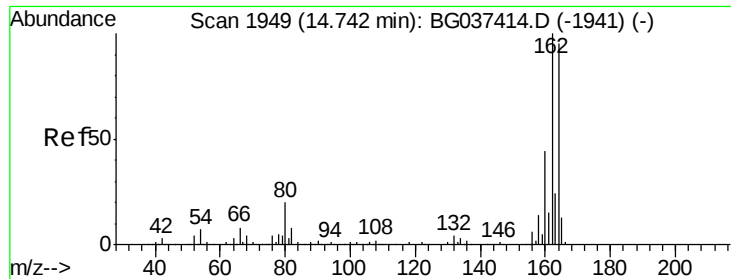
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 272128   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 9.6 14.4 |
| 54          | 9.8   | 7.9 11.9 |
| 68          | 6.4   | 4.8 7.2  |



#23  
Nitrobenzene-d5  
Concen: 83.867 ng  
RT: 9.27 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BG037834.D  
Acq: 6 Nov 2018 11:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 407409    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 46.4  | 34.6 51.8 |
| 54          | 54.5  | 45.3 67.9 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG037834.D

Acq: 6 Nov 2018 11:34

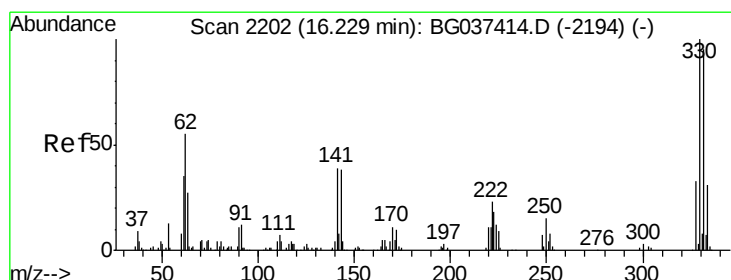
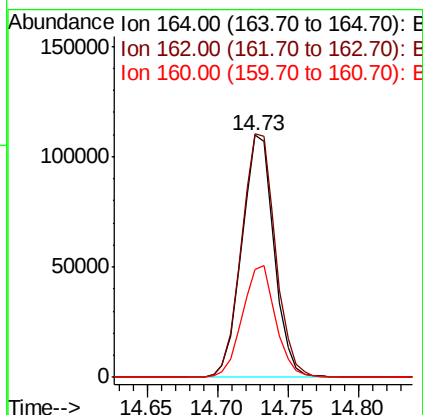
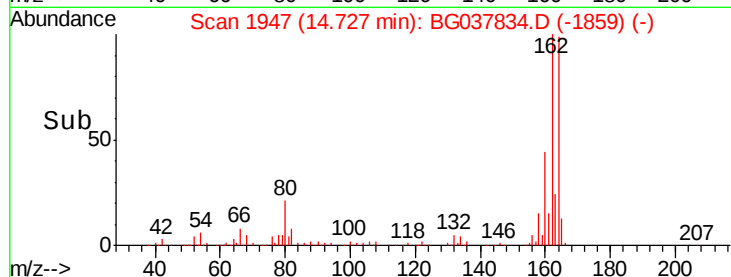
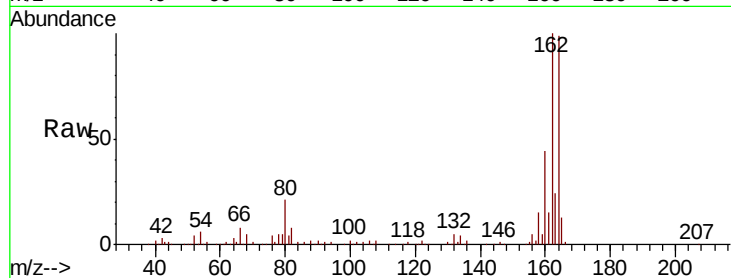
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:164 Resp: 175537

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.7 | 81.3  | 121.9 |
| 160 | 44.5  | 36.3  | 54.5  |



#42

2,4,6-Tribromophenol

Concen: 102.765 ng

RT: 16.22 min Scan# 2201

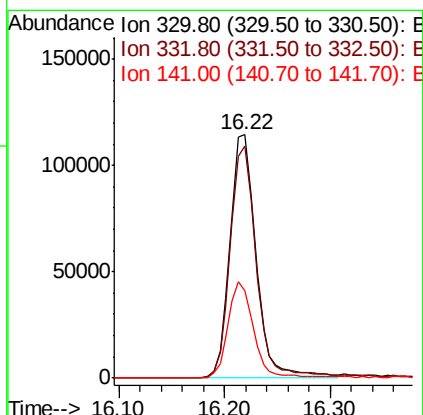
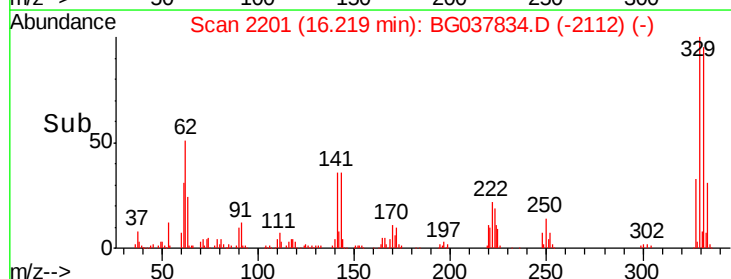
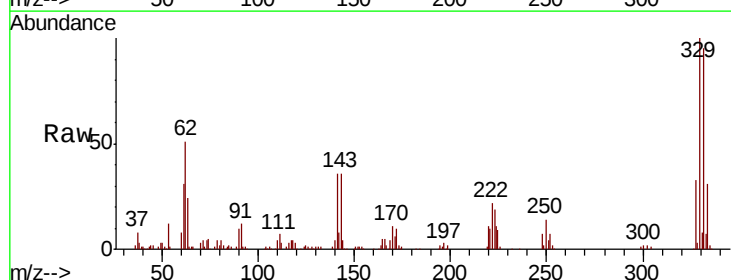
Delta R.T. -0.01 min

Lab File: BG037834.D

Acq: 6 Nov 2018 11:34

Tgt Ion:330 Resp: 196750

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.3  | 78.4  | 117.6 |
| 141 | 38.4  | 32.2  | 48.2  |

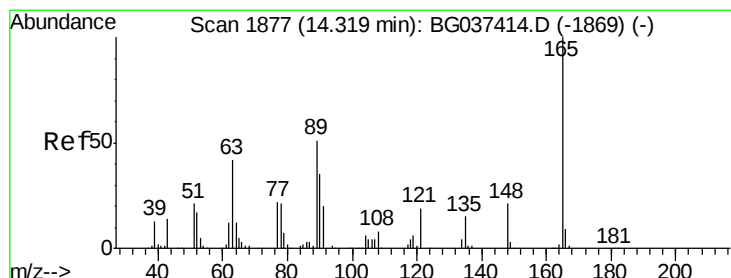
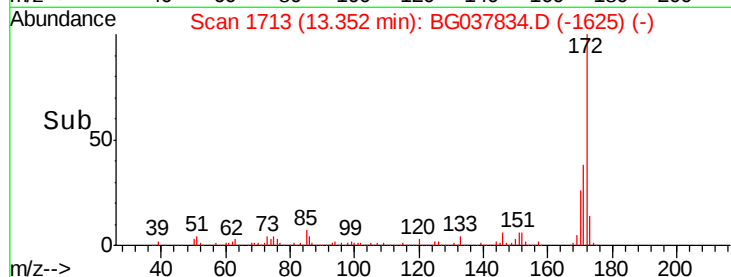
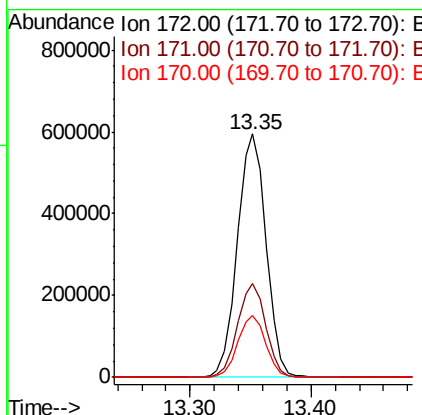
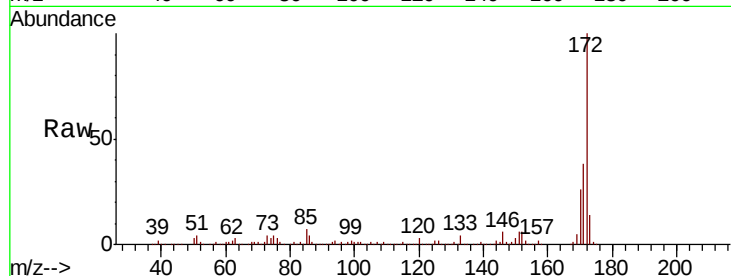




#45  
 2-Fluorobiphenyl  
 Concen: 84.882 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. -0.02 min  
 Lab File: BG037834.D  
 Acq: 6 Nov 2018 11:34

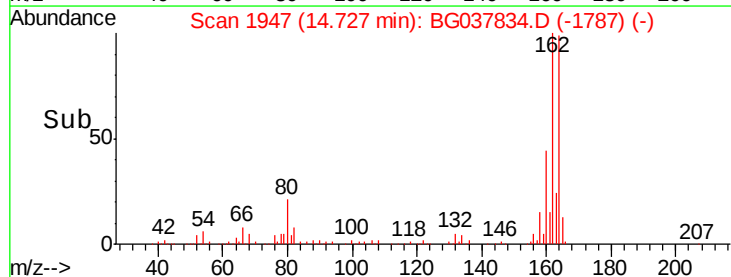
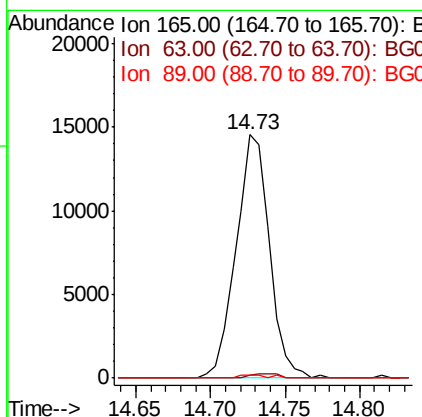
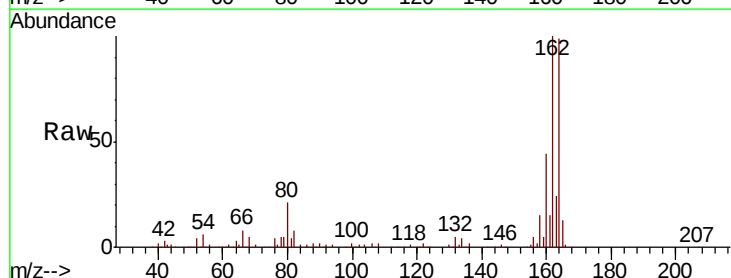
Instrument :  
 BNA\_G  
 ClientSampleId :

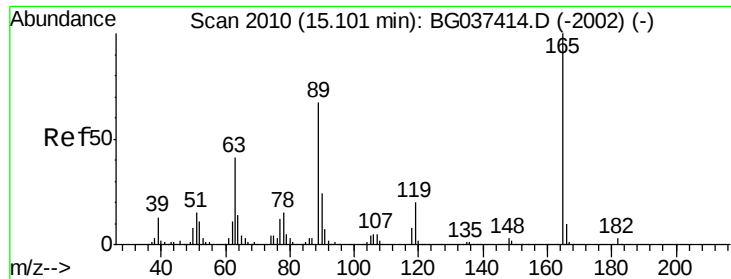
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 31.0  | 46.4  |
| 170     | 25.6  | 20.2  | 30.2  |



#51  
 2,6-Dinitrotoluene  
 Concen: 7.524 ng  
 RT: 14.73 min Scan# 1947  
 Delta R.T. 0.41 min  
 Lab File: BG037834.D  
 Acq: 6 Nov 2018 11:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 43.4  | 65.2# |
| 89      | 1.3   | 45.8  | 68.6# |

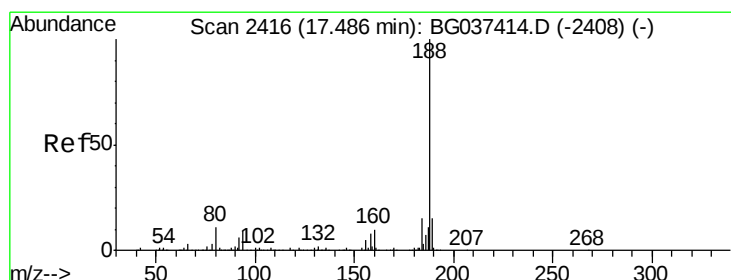
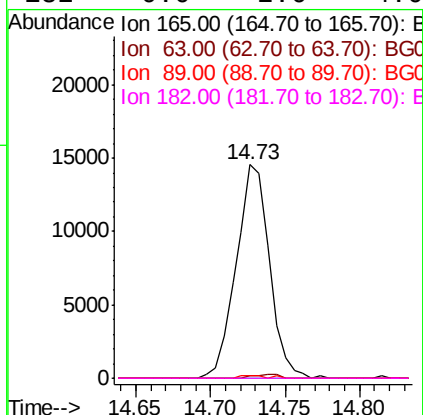
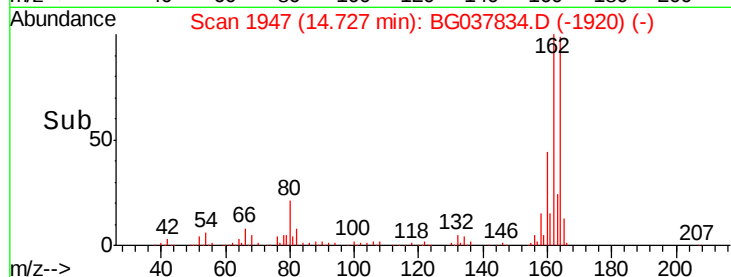
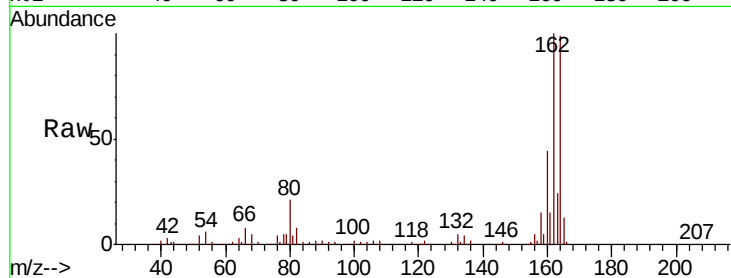




#57  
 2,4-Dinitrotoluene  
 Concen: 5.732 ng  
 RT: 14.73 min Scan# 1947  
 Delta R.T. -0.37 min  
 Lab File: BG037834.D  
 Acq: 6 Nov 2018 11:34

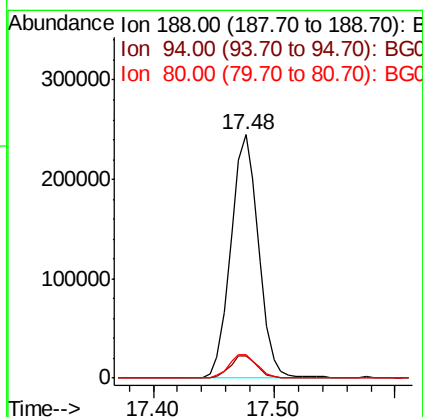
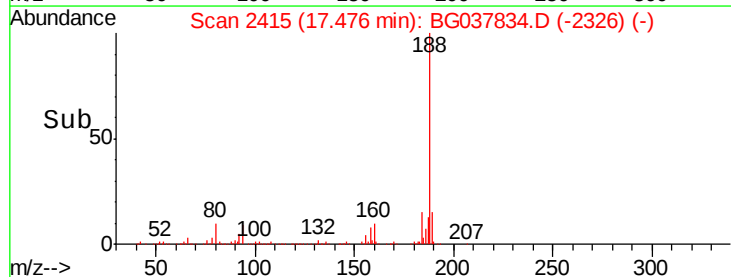
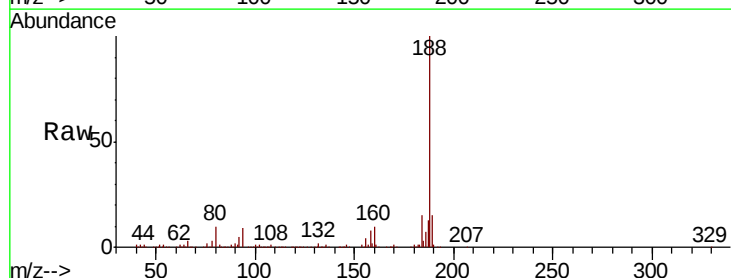
Instrument :  
 BNA\_G  
 ClientSampleId :

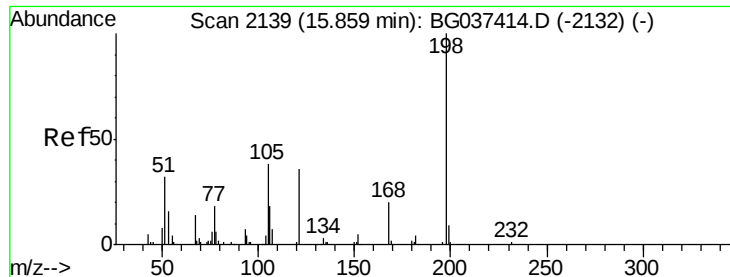
Tot Ion:165 Resp: 22602  
 Ion Ratio Lower Upper  
 165 100  
 63 1.1 33.4 50.0#  
 89 1.3 57.2 85.8#  
 182 0.0 2.6 4.0#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.48 min Scan# 2415  
 Delta R.T. -0.01 min  
 Lab File: BG037834.D  
 Acq: 6 Nov 2018 11:34

Tgt Ion:188 Resp: 391922  
 Ion Ratio Lower Upper  
 188 100  
 94 9.0 7.2 10.8  
 80 9.7 7.7 11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.784 ng

RT: 16.21 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037834.D

Acq: 6 Nov 2018 11:34

Instrument :

BNA\_G

ClientSampled :

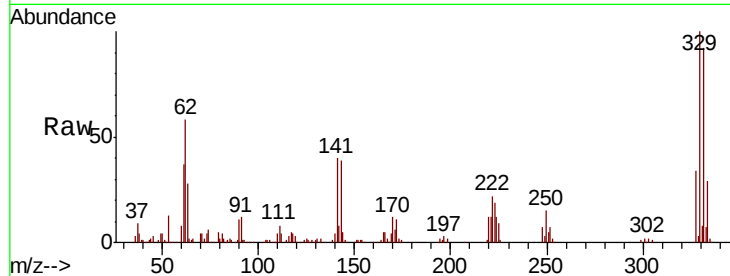
Tot Ion:198 Resp: 690

Ion Ratio Lower Upper

198 100

51 32.6 22.7 62.7

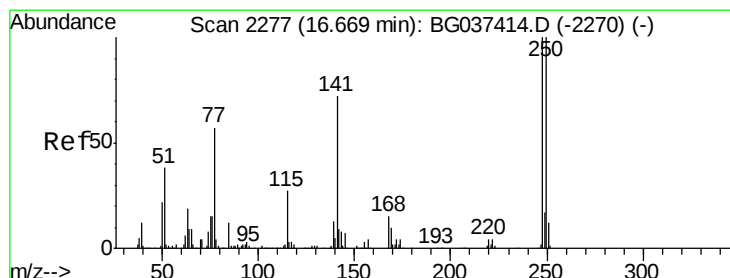
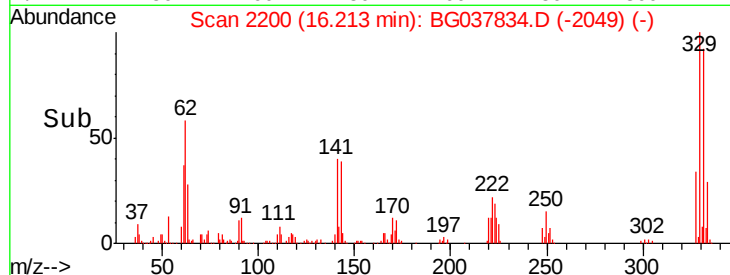
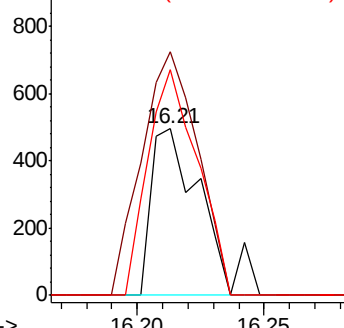
105 30.2 19.7 59.7



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: 3.181 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.46 min

Lab File: BG037834.D

Acq: 6 Nov 2018 11:34

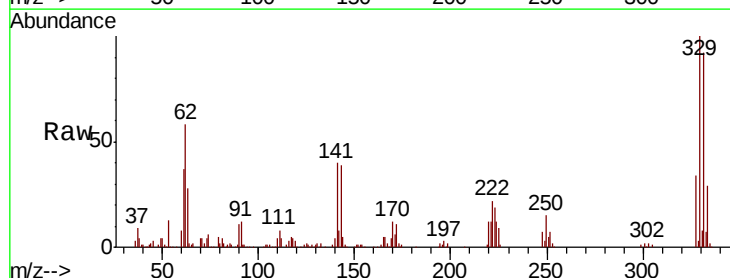
Tgt Ion:248 Resp: 13689

Ion Ratio Lower Upper

248 100

250 197.1 77.0 115.6#

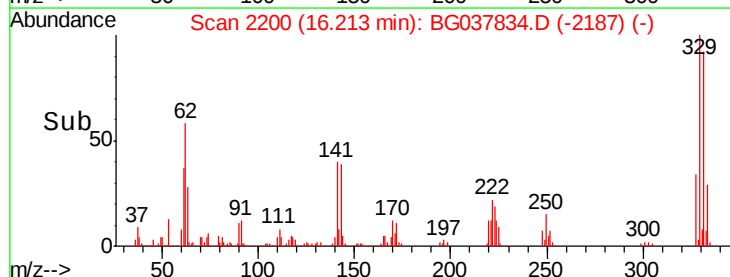
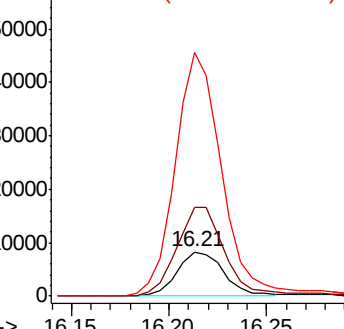
141 408.0 55.5 83.3#

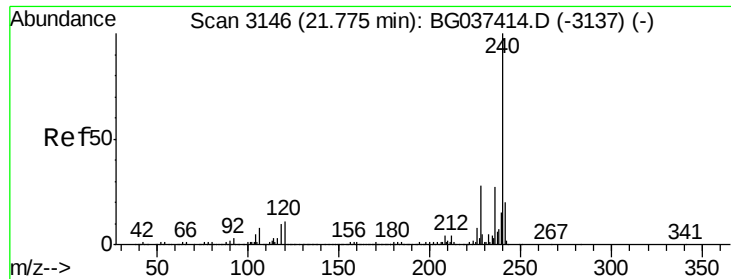


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

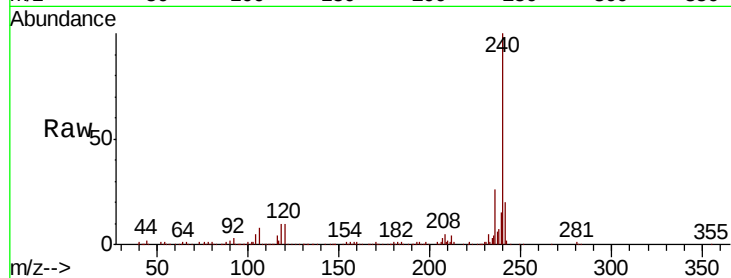




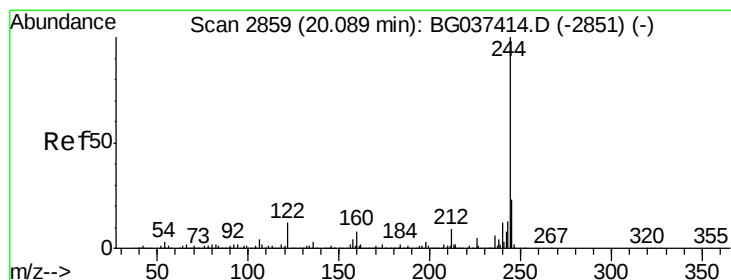
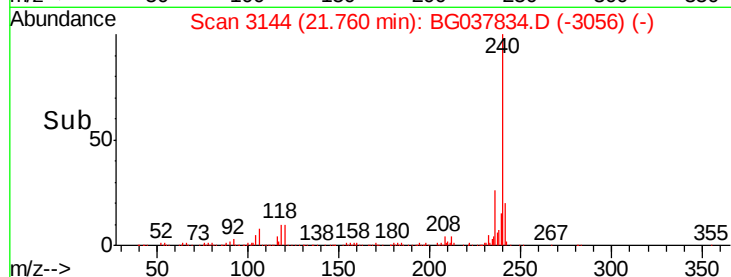
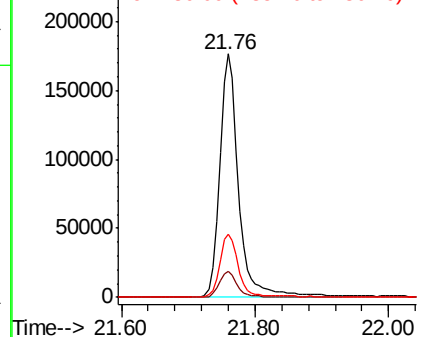
#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.76 min Scan# 3144  
 Delta R.T. -0.02 min  
 Lab File: BG037834.D  
 Acq: 6 Nov 2018 11:34

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:240 Resp: 351953  
 Ion Ratio Lower Upper  
 240 100  
 120 10.4 8.1 12.1  
 236 26.2 21.4 32.0

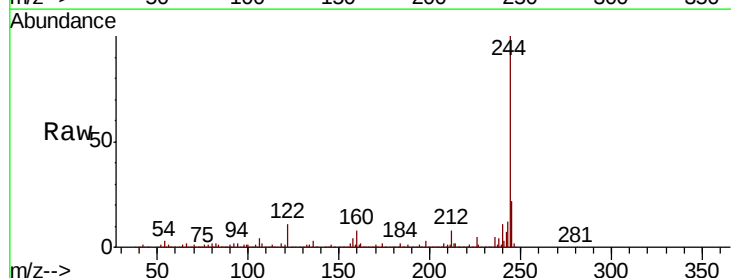


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

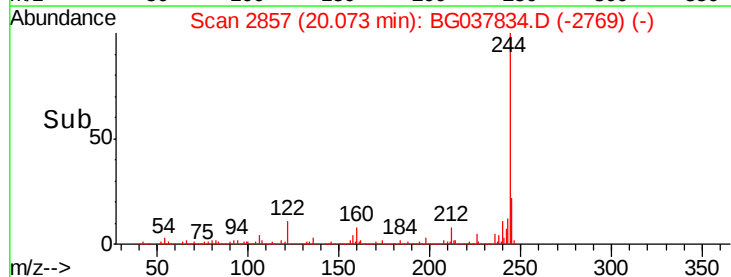
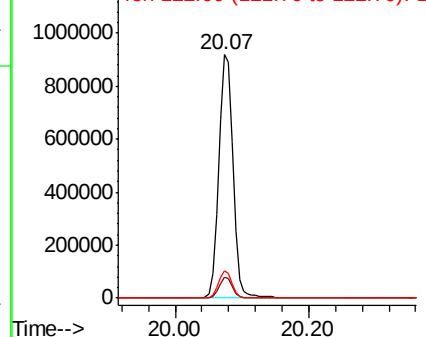


#79  
 Terphenyl-d14  
 Concen: 84.558 ng  
 RT: 20.07 min Scan# 2857  
 Delta R.T. -0.02 min  
 Lab File: BG037834.D  
 Acq: 6 Nov 2018 11:34

Tgt Ion:244 Resp: 1392786  
 Ion Ratio Lower Upper  
 244 100  
 212 8.3 6.5 9.7  
 122 11.5 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  
Pervlone-d12  
Concen: 20.000 ng  
RT: 25.09 min Scan# 3711  
Delta R.T. -0.02 min  
Lab File: BG037834.D  
Acq: 6 Nov 2018 11:34

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.3  | 18.2  | 27.4  |
| 265     | 20.8  | 17.9  | 26.9  |

