

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\  
 Data File : BG036890.D  
 Acq On : 22 Sep 2018 12:16  
 Operator : JU/SJ  
 Sample : J5001-04  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 24 03:54:39 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 20 20:07:11 2018  
 Response via : Initial Calibration

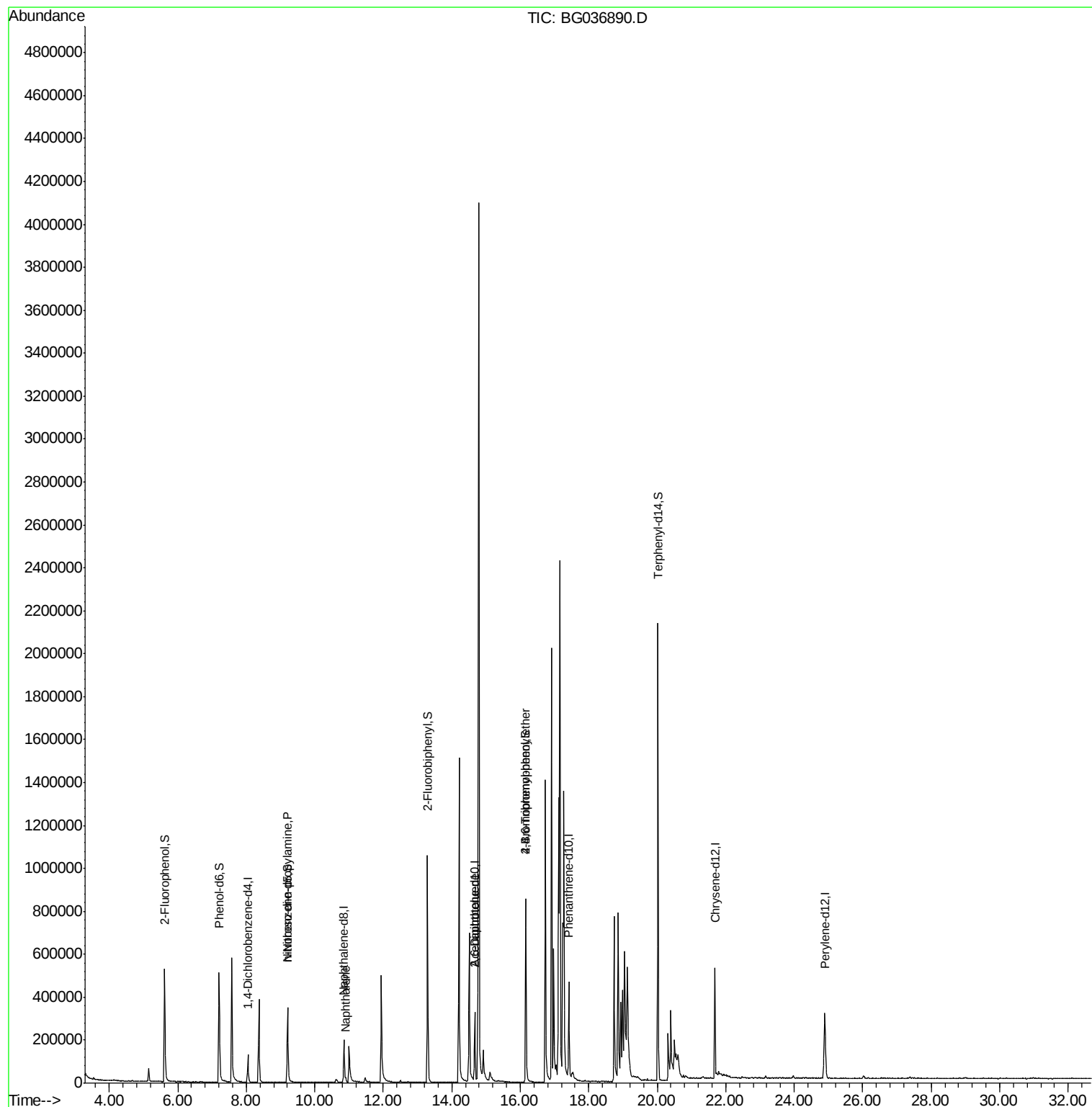
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 40891    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 10.85 | 136  | 184323   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10           | 14.67 | 164  | 114679   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10           | 17.42 | 188  | 283608   | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12               | 21.68 | 240  | 329811   | 20.00  | ng    | 0.00        |
| 86) Perylene-d12               | 24.89 | 264  | 336347   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.62  | 112  | 255993   | 120.06 | ng    | 0.00        |
| 7) Phenol-d6                   | 7.21  | 99   | 354322   | 107.41 | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 9.20  | 82   | 252641   | 73.40  | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol       | 16.16 | 330  | 175718   | 128.07 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl           | 13.29 | 172  | 595821   | 77.38  | ng    | 0.00        |
| 78) Terphenyl-d14              | 20.03 | 244  | 1063333  | 84.78  | ng    | 0.00        |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 9.21  | 70   | 33066    | 12.049 | ng    | Qvalue # 77 |
| 31) Naphthalene                | 10.90 | 128  | 18431    | 2.102  | ng    | 96          |
| 50) 2,6-Dinitrotoluene         | 14.67 | 165  | 15162    | 7.528  | ng    | # 26        |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 12347    | 3.827  | ng    | # 1         |

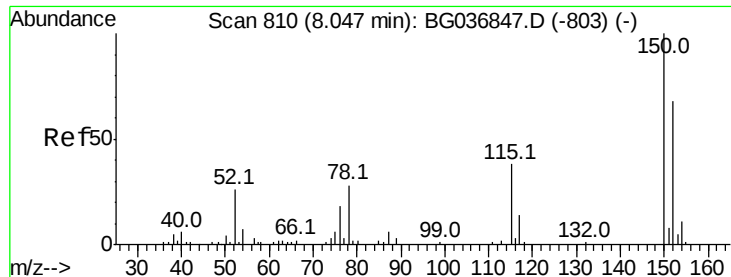
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

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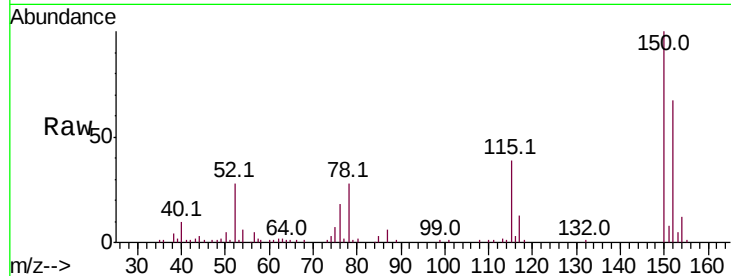


#1

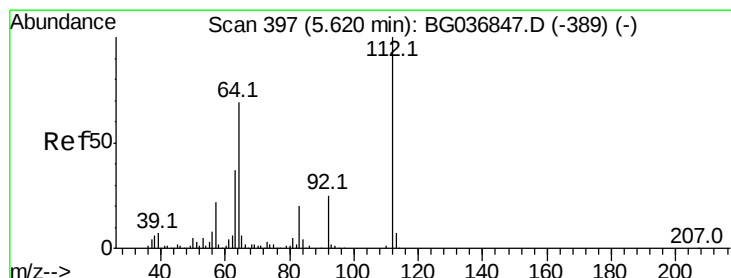
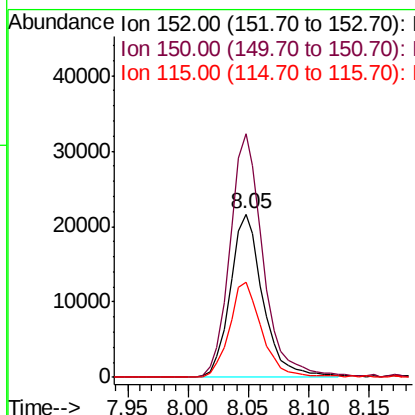
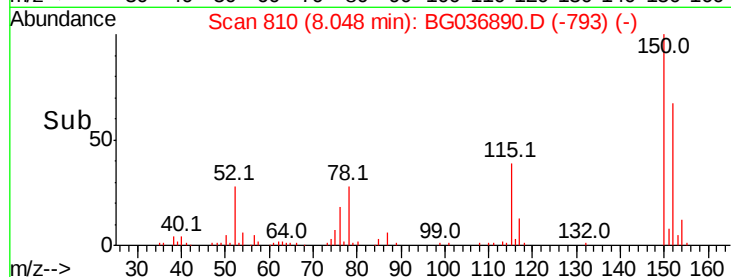
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BG036890.D  
Acq: 22 Sep 2018 12:16

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.3 | 119.5 | 179.3 |
| 115     | 58.2  | 44.5  | 66.7  |



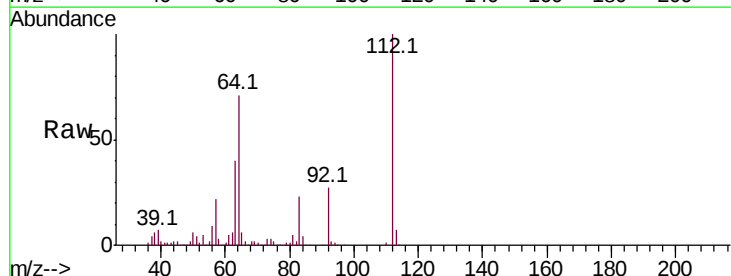
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



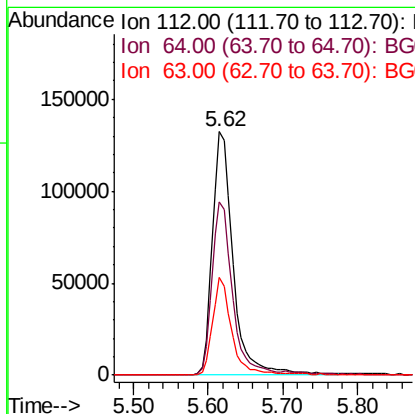
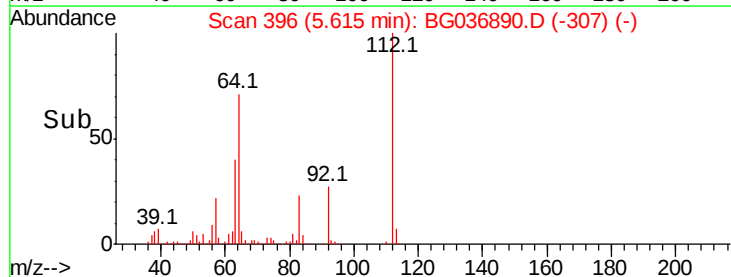
#5

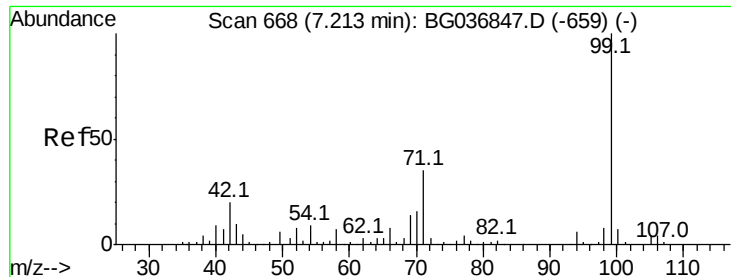
2-Fluorophenol  
Concen: 120.060 ng  
RT: 5.62 min Scan# 396  
Delta R.T. -0.01 min  
Lab File: BG036890.D  
Acq: 22 Sep 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.2  | 57.2  | 85.8  |
| 63      | 40.2  | 30.8  | 46.2  |



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: 107.407 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036890.D

Acq: 22 Sep 2018 12:16

Instrument :

BNA\_G

ClientSampleId :

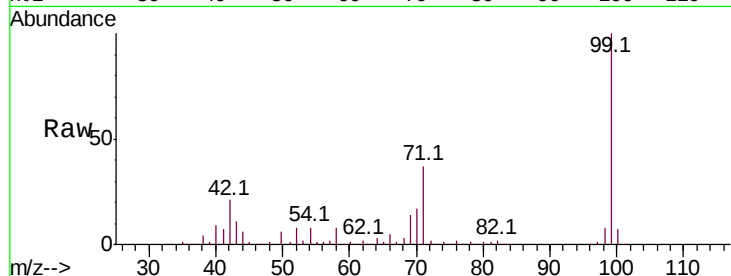
Tot Ion: 99 Resp: 354322

Ion Ratio Lower Upper

99 100

42 20.8 16.5 24.7

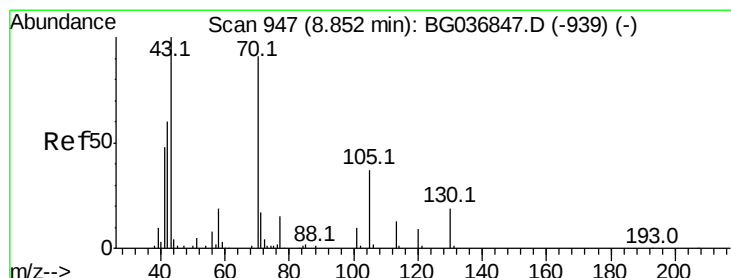
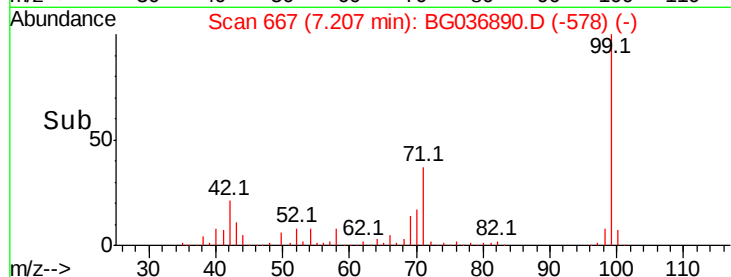
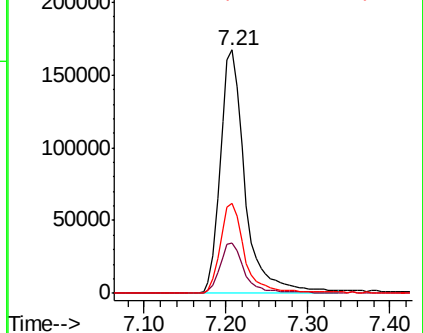
71 36.7 29.4 44.2



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: 12.049 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BG036890.D

Acq: 22 Sep 2018 12:16

Tgt Ion: 70 Resp: 33066

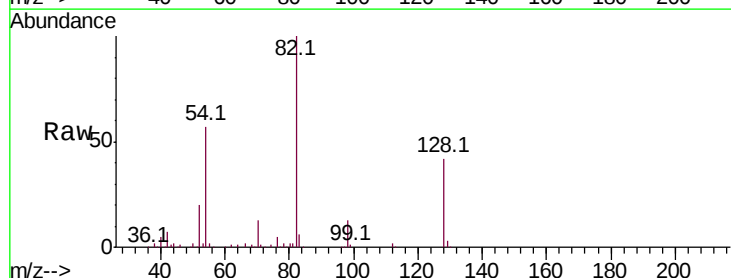
Ion Ratio Lower Upper

70 100

42 55.1 56.2 84.4#

101 0.0 7.8 11.6#

130 2.3 16.2 24.2#

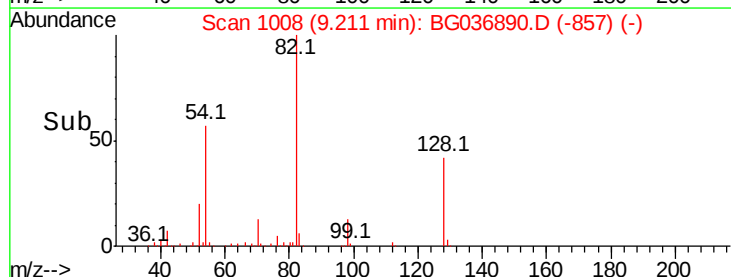
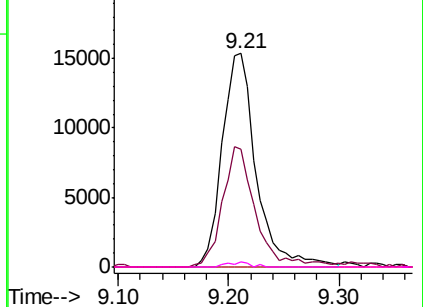


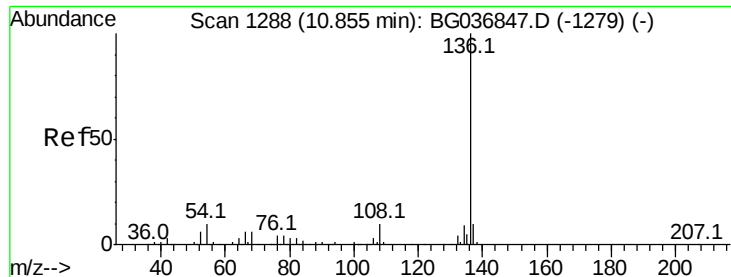
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

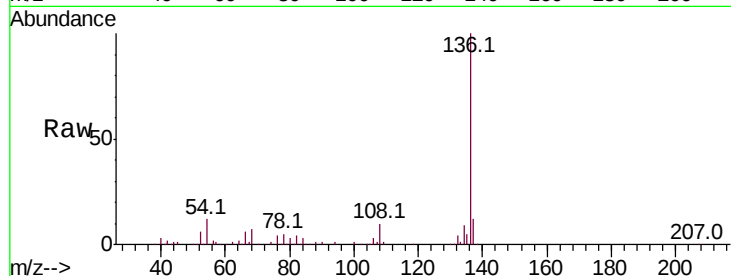




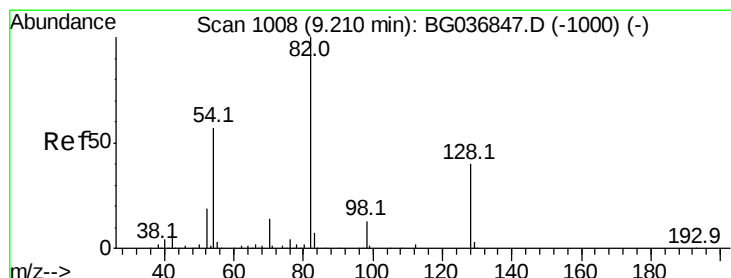
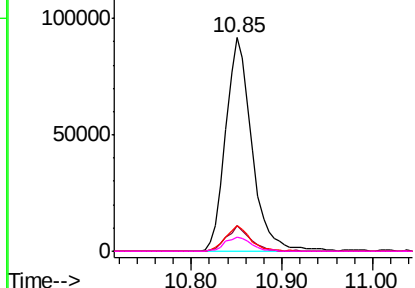
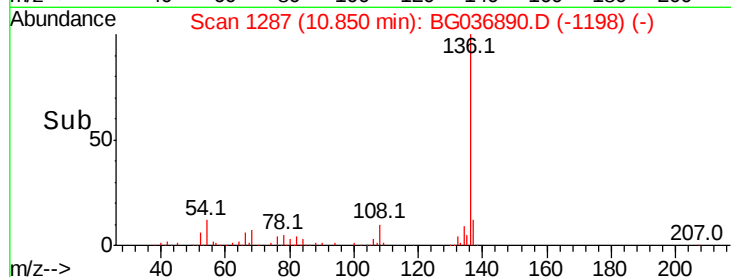
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.85 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: BG036890.D  
Acq: 22 Sep 2018 12:16

Instrument :  
BNA\_G  
ClientSampled :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 184323      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 12.1  | 8.8 13.2    |
| 54          | 11.7  | 9.2 13.8    |
| 68          | 6.9   | 5.8 8.6     |

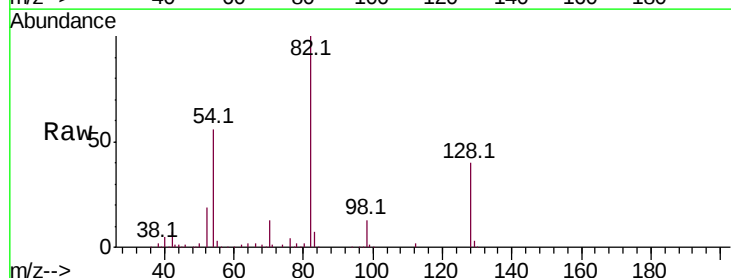


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

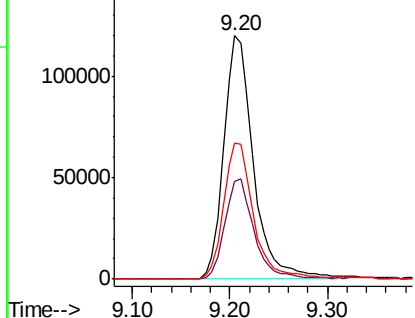
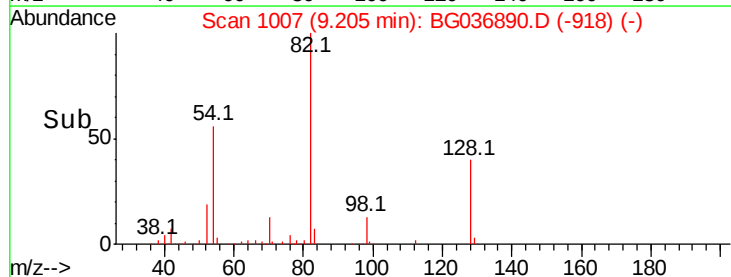


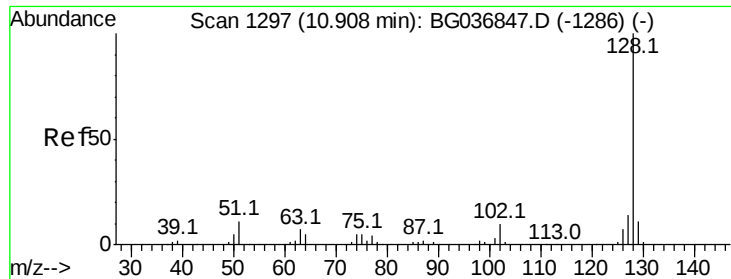
#23  
Nitrobenzene-d5  
Concen: 73.399 ng  
RT: 9.20 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BG036890.D  
Acq: 22 Sep 2018 12:16

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 252641      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 40.1  | 33.3 49.9   |
| 54          | 56.0  | 45.1 67.7   |



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

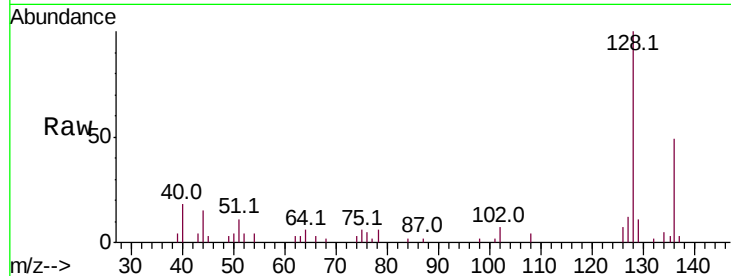




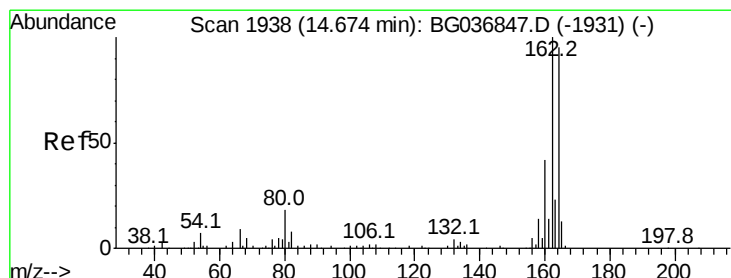
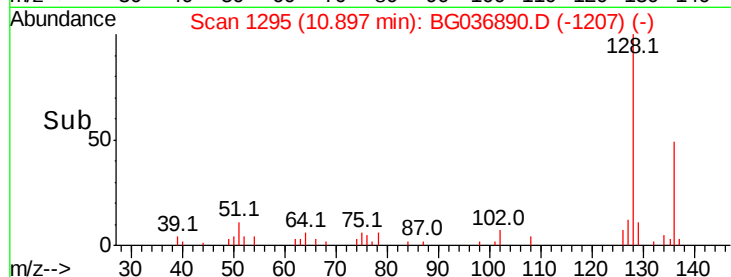
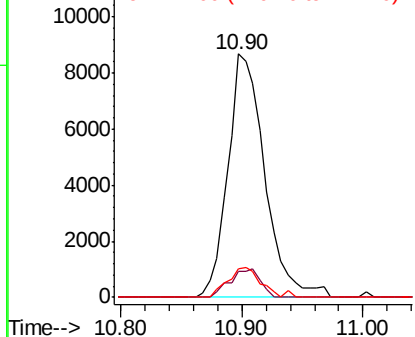
#31  
Naphthalene  
Concen: 2.102 ng  
RT: 10.90 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BG036890.D  
Acq: 22 Sep 2018 12:16

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:128 Resp: 18431  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.4 14.2  
127 11.6 11.0 16.4

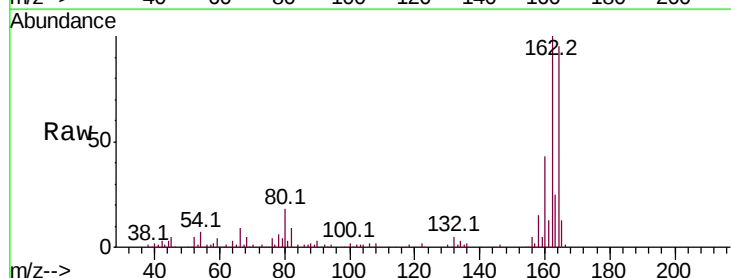


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

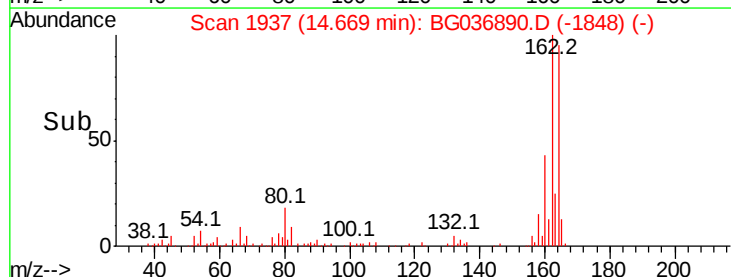
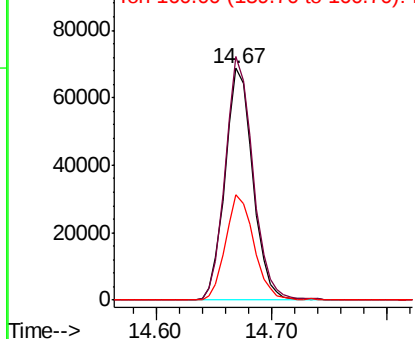


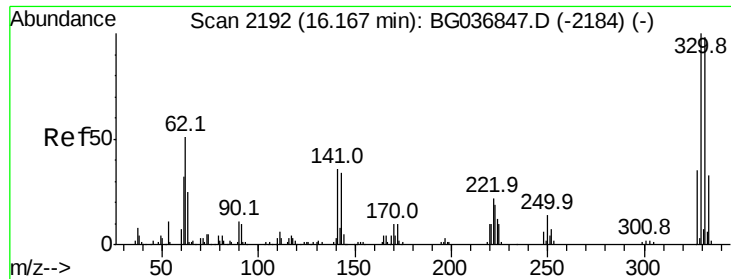
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1937  
Delta R.T. -0.01 min  
Lab File: BG036890.D  
Acq: 22 Sep 2018 12:16

Tgt Ion:164 Resp: 114679  
Ion Ratio Lower Upper  
164 100  
162 105.1 80.7 121.1  
160 45.3 35.3 52.9



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

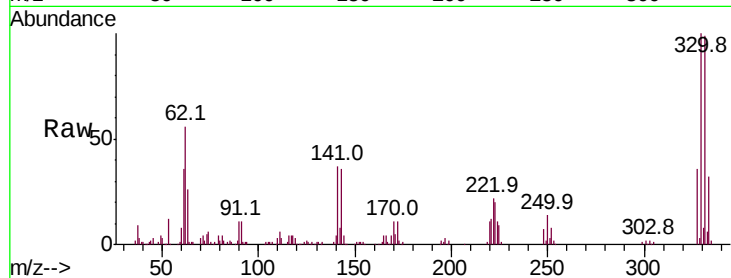




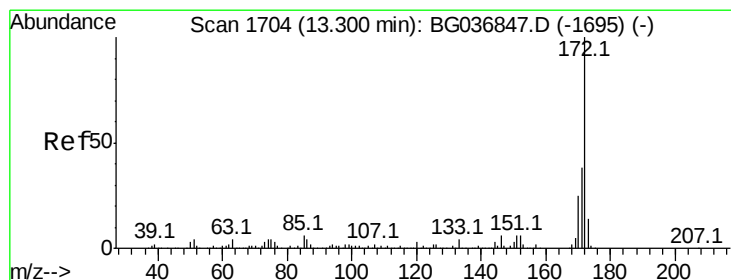
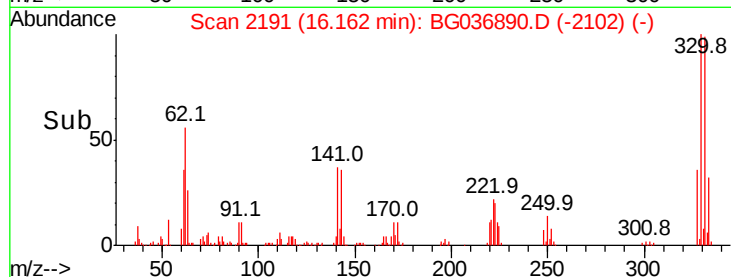
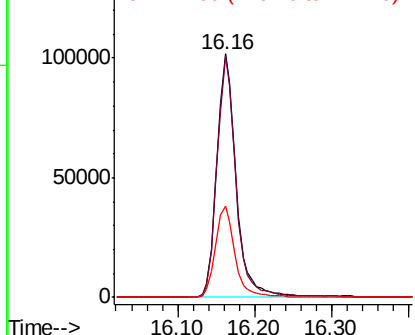
#41  
 2,4,6-Tribromophenol  
 Concen: 128.068 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036890.D  
 Acq: 22 Sep 2018 12:16

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 75.4  | 113.2 |
| 141     | 37.8  | 30.7  | 46.1  |

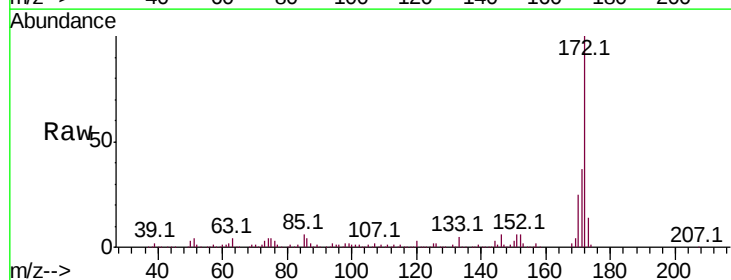


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

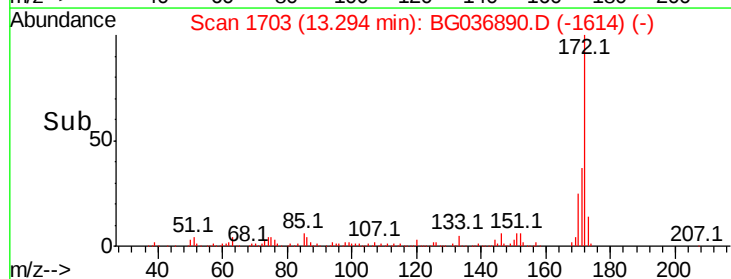
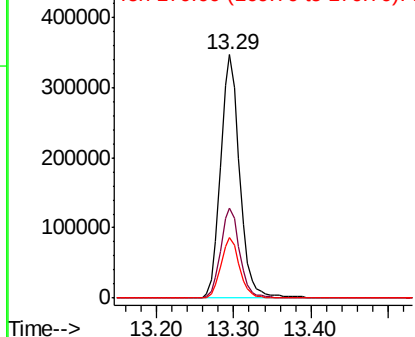


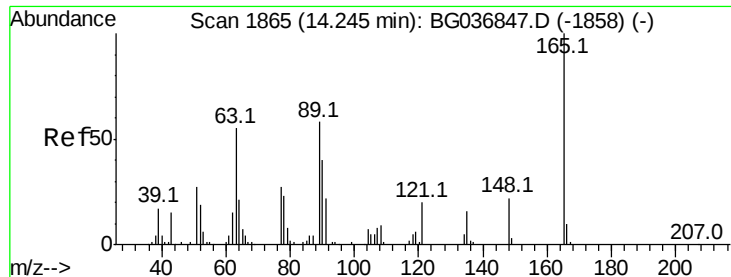
#44  
 2-Fluorobiphenyl  
 Concen: 77.382 ng  
 RT: 13.29 min Scan# 1703  
 Delta R.T. -0.01 min  
 Lab File: BG036890.D  
 Acq: 22 Sep 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 31.3  | 46.9  |
| 170     | 25.1  | 21.0  | 31.6  |



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

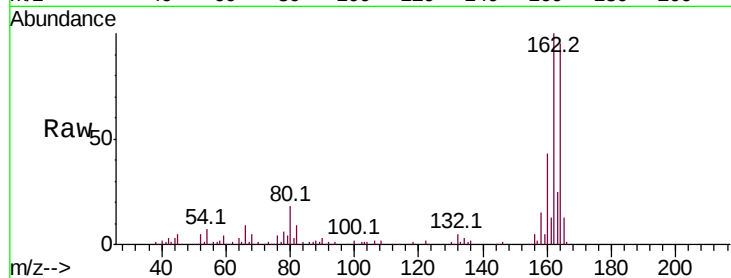




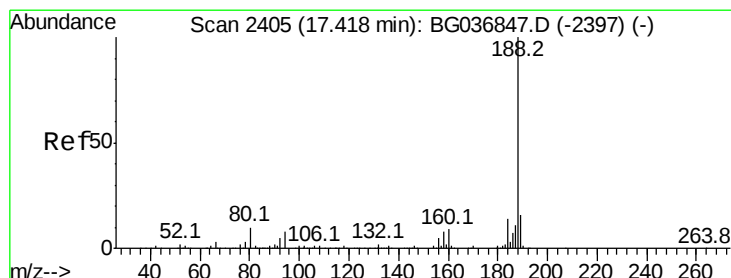
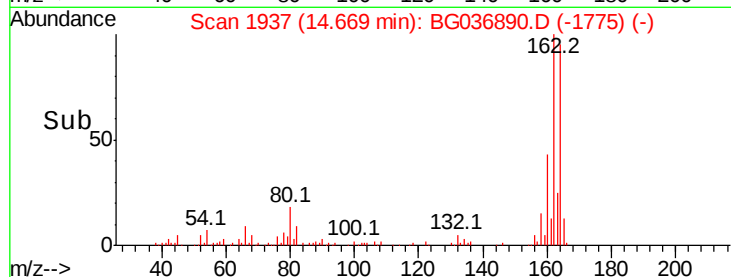
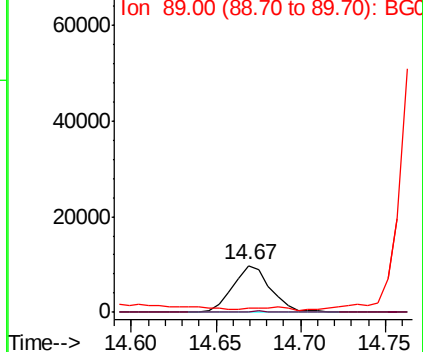
#50  
 2,6-Dinitrotoluene  
 Concen: 7.528 ng  
 RT: 14.67 min Scan# 1937  
 Delta R.T. 0.42 min  
 Lab File: BG036890.D  
 Acq: 22 Sep 2018 12:16

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 15162  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 50.1 75.1#  
 89 10.1 47.8 71.6#

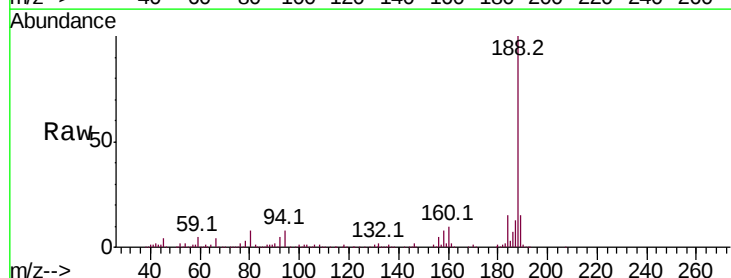


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

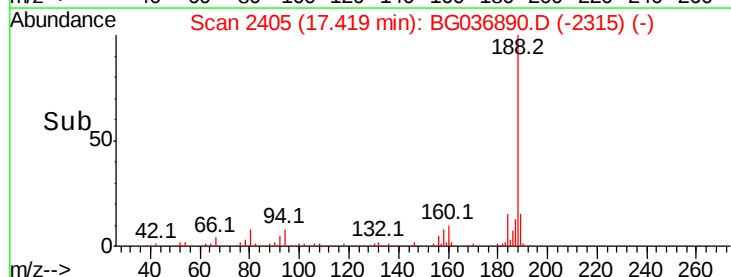
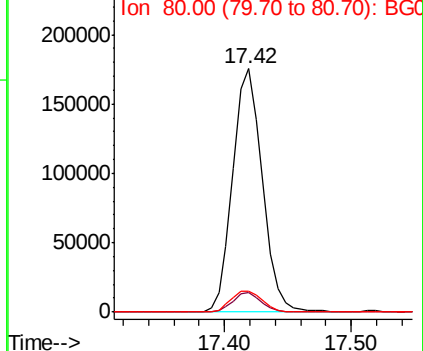


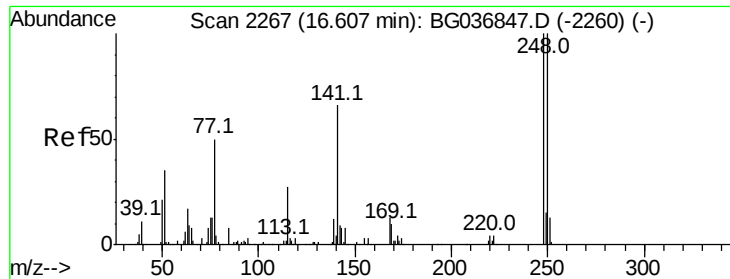
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2405  
 Delta R.T. 0.00 min  
 Lab File: BG036890.D  
 Acq: 22 Sep 2018 12:16

Tgt Ion:188 Resp: 283608  
 Ion Ratio Lower Upper  
 188 100  
 94 8.2 6.7 10.1  
 80 8.4 8.1 12.1



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

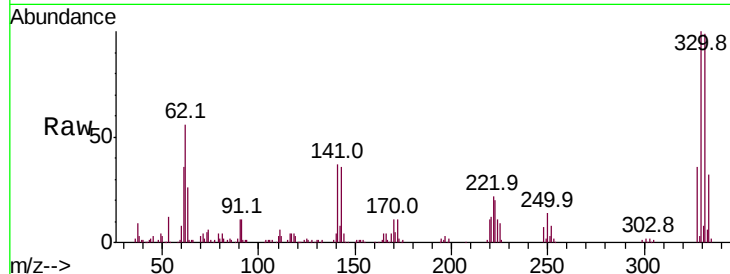




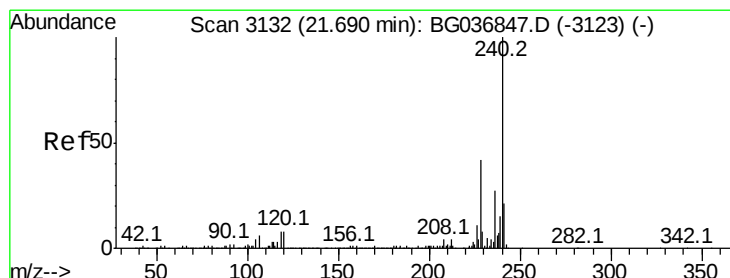
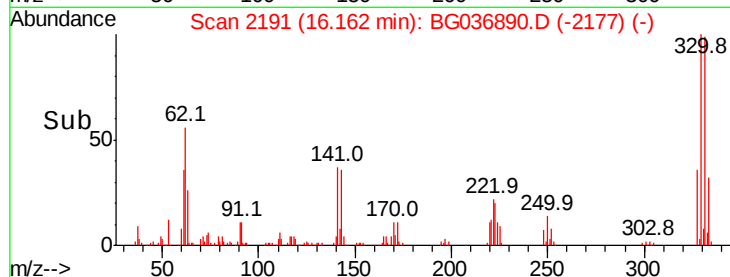
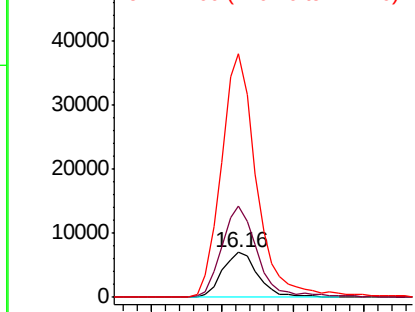
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.827 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.45 min  
 Lab File: BG036890.D  
 Acq: 22 Sep 2018 12:16

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 12347  
 Ion Ratio Lower Upper  
 248 100  
 250 206.1 78.1 117.1#  
 141 546.0 53.7 80.5#

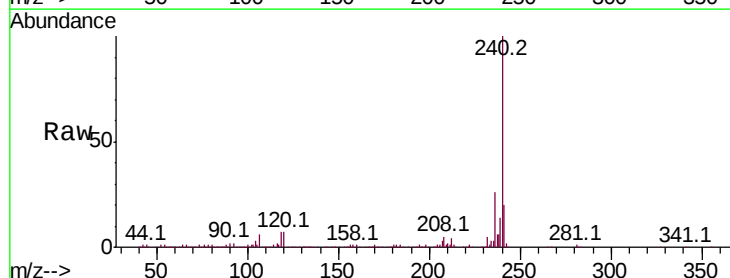


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

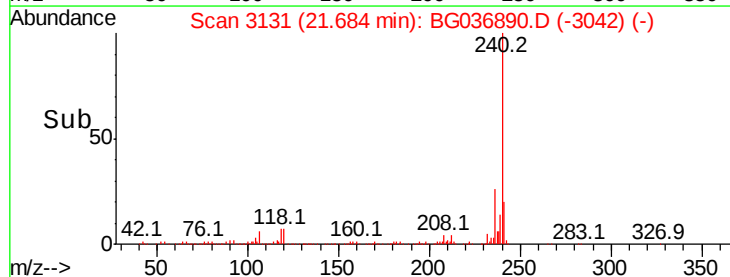
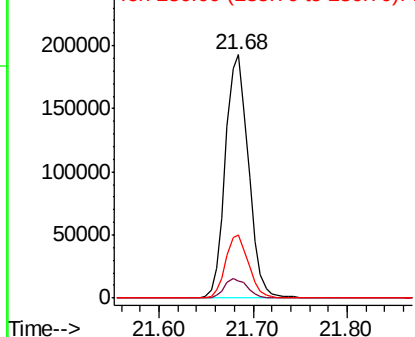


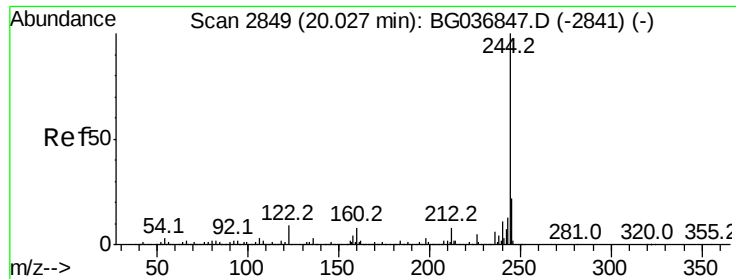
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.68 min Scan# 3131  
 Delta R.T. -0.01 min  
 Lab File: BG036890.D  
 Acq: 22 Sep 2018 12:16

Tgt Ion:240 Resp: 329811  
 Ion Ratio Lower Upper  
 240 100  
 120 7.3 6.9 10.3  
 236 26.0 21.2 31.8



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



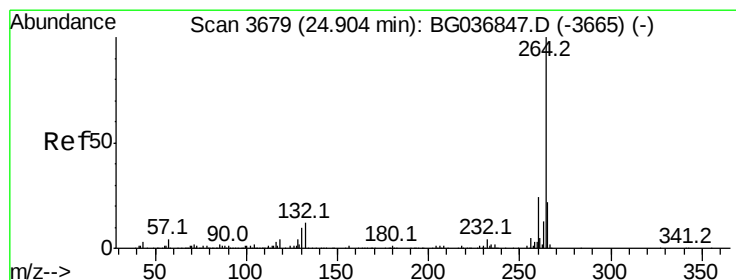
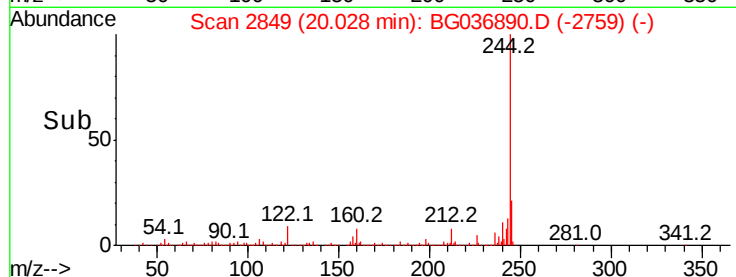
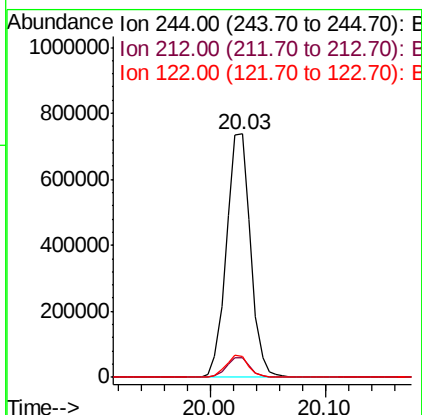
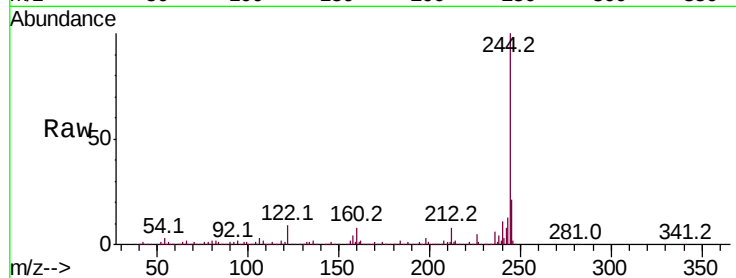


#78  
 Terphenyl-d14  
 Concen: 84.777 ng  
 RT: 20.03 min Scan# 2849  
 Delta R.T. 0.00 min  
 Lab File: BG036890.D  
 Acq: 22 Sep 2018 12:16

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:244 Resp: 1063333  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.3   | 7.0   | 10.6  |
| 122 | 8.6   | 7.1   | 10.7  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.89 min Scan# 3677  
 Delta R.T. -0.01 min  
 Lab File: BG036890.D  
 Acq: 22 Sep 2018 12:16

Tgt Ion:264 Resp: 336347  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.6  | 29.4  |
| 265 | 20.7  | 17.4  | 26.0  |

