

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\  
 Data File : BG036990.D  
 Acq On : 26 Sep 2018 20:29  
 Operator : JU/SJ  
 Sample : J5081-15  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 27 08:07:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 Response via : Initial Calibration

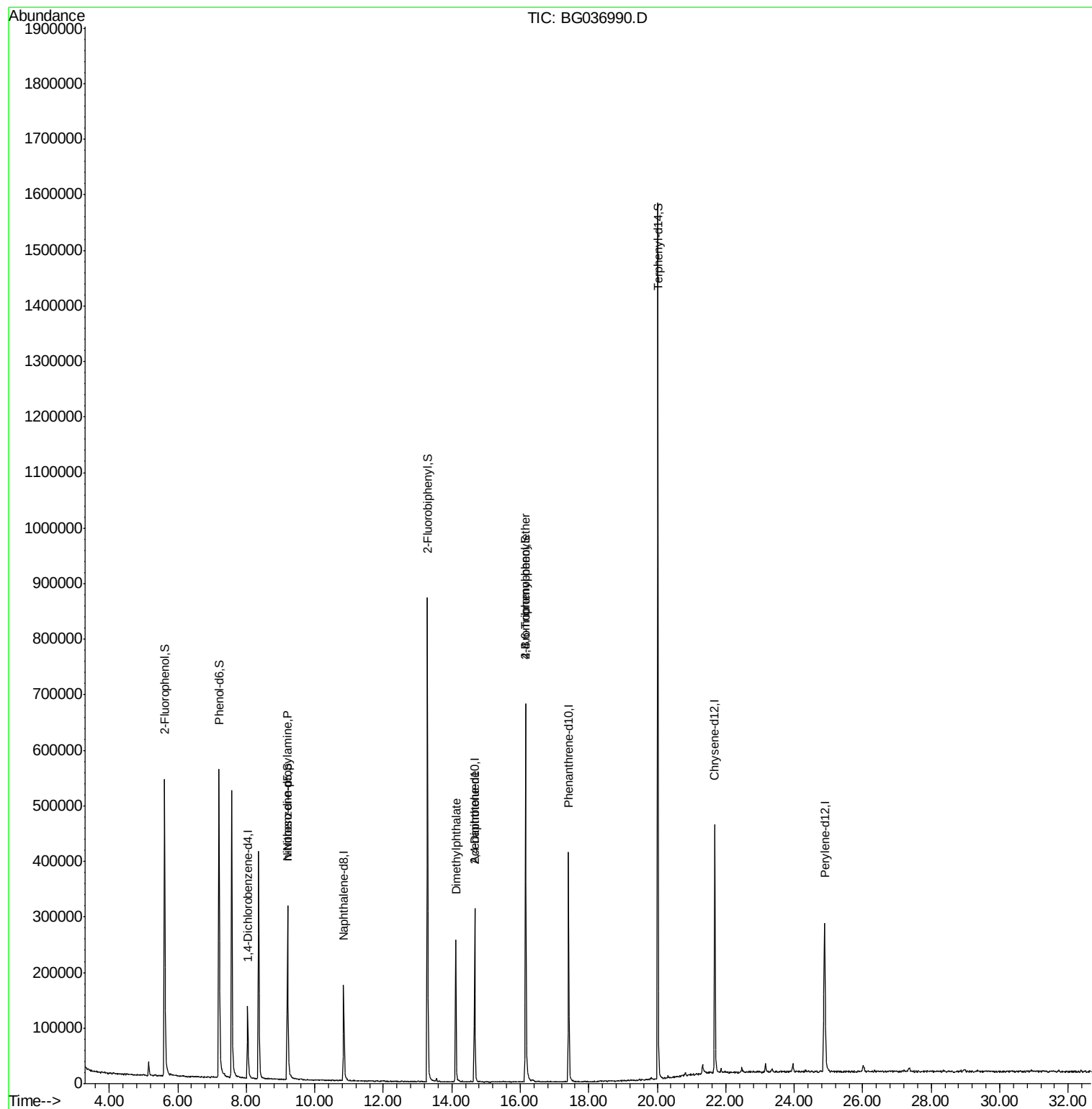
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 42035    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.84 | 136  | 175136   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 14.67 | 164  | 113737   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.41 | 188  | 287409   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.68 | 240  | 306268   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 24.89 | 264  | 298948   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 256919   | 117.22 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.20  | 99   | 367997   | 108.52 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.20  | 82   | 239929   | 73.36  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.15 | 330  | 138955   | 102.11 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 13.29 | 172  | 500921   | 65.60  | ng    | -0.01    |
| 78) Terphenyl-d14              | 20.02 | 244  | 818283   | 70.25  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.20  | 70   | 31427    | 11.140 | ng    | # 69     |
| 49) Dimethylphthalate          | 14.12 | 163  | 194993   | 21.299 | ng    | # 99     |
| 56) 2,4-Dinitrotoluene         | 14.67 | 165  | 14433    | 5.178  | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 16.15 | 248  | 9478     | 2.899  | ng    | # 1      |

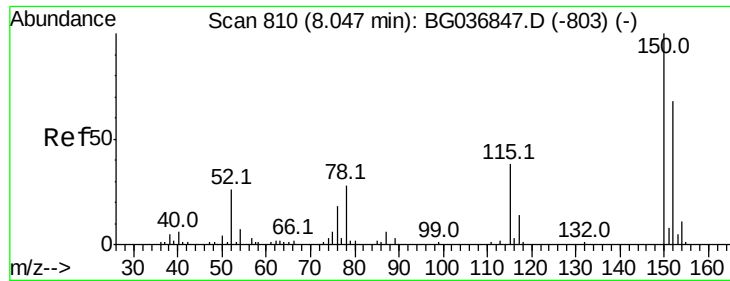
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\  
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Sample : J5081-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Sep 27 08:07:09 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 24 10:41:23 2018  
Response via : Initial Calibration



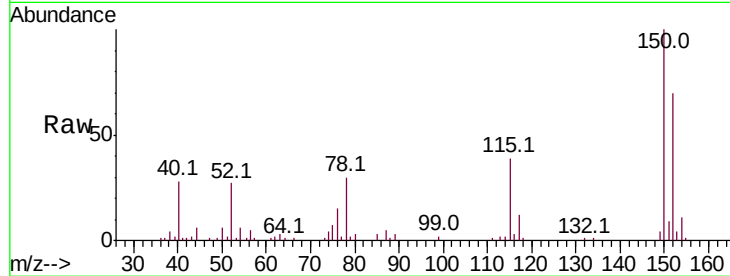


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BG036990.D  
Acq: 26 Sep 2018 20:29

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 143.1 | 119.5 | 179.3 |
| 115     | 55.8  | 44.5  | 66.7  |

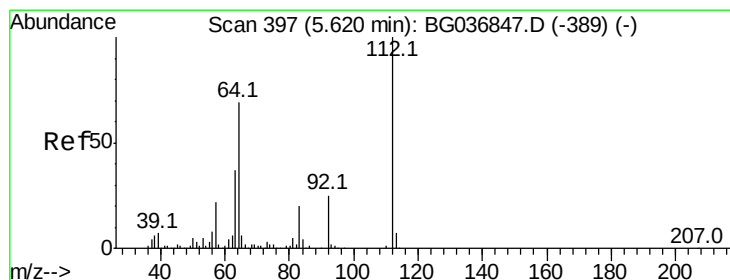
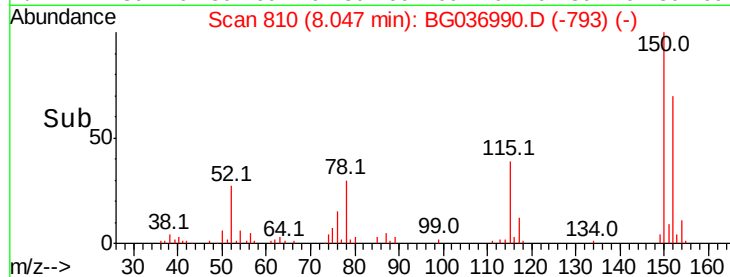
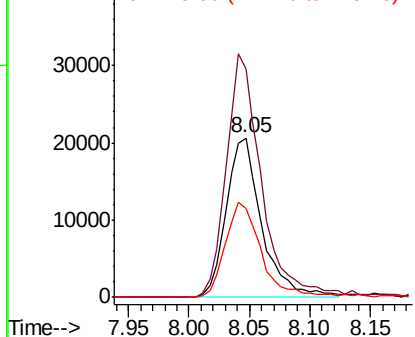


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

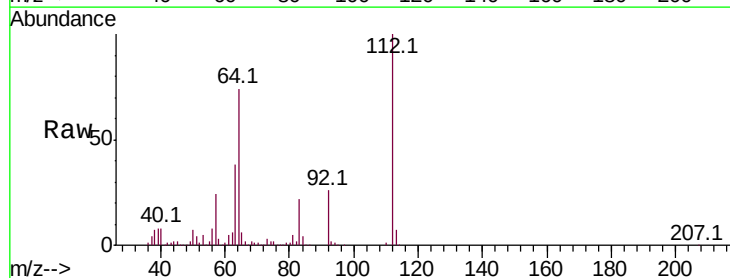
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 117.215 ng  
RT: 5.61 min Scan# 396  
Delta R.T. -0.01 min  
Lab File: BG036990.D  
Acq: 26 Sep 2018 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 73.8  | 57.2  | 85.8  |
| 63      | 37.8  | 30.8  | 46.2  |

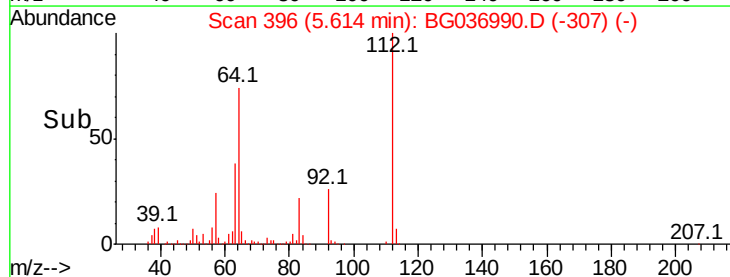
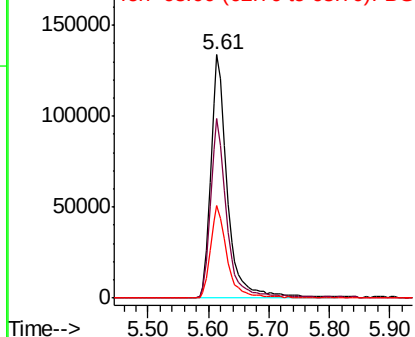


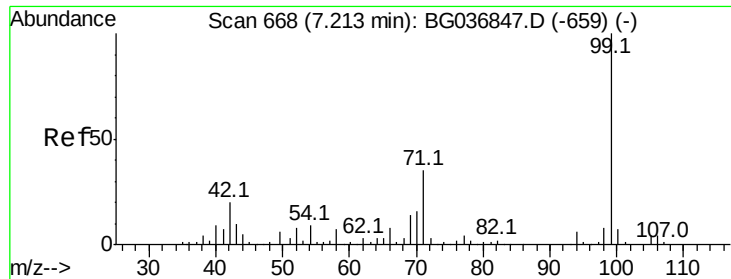
Abundance

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: 108.516 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036990.D

Acq: 26 Sep 2018 20:29

Instrument :

BNA\_G

ClientSampled :

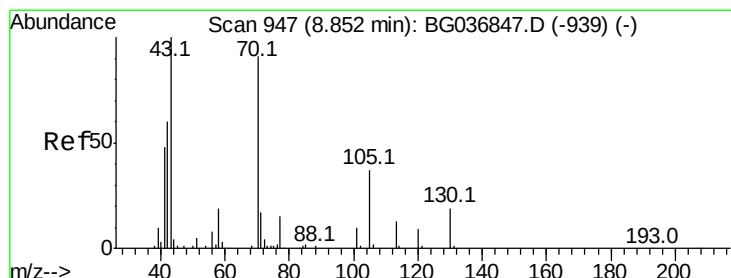
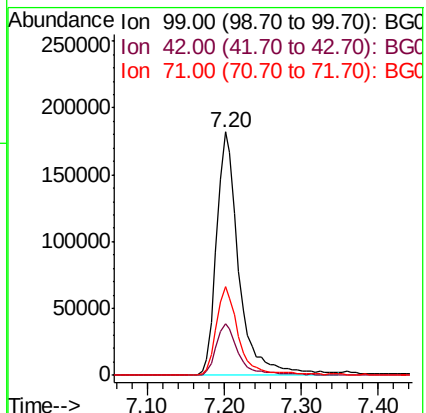
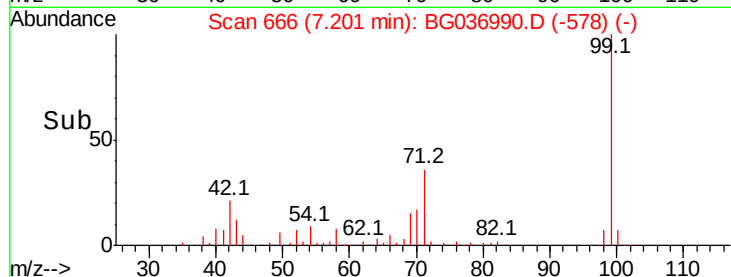
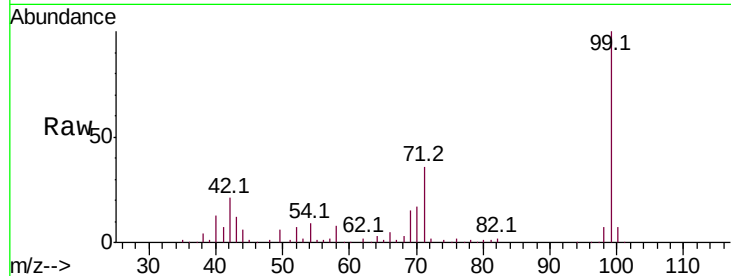
Tot Ion: 99 Resp: 367997

Ion Ratio Lower Upper

99 100

42 21.5 16.5 24.7

71 36.4 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.140 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036990.D

Acq: 26 Sep 2018 20:29

Tgt Ion: 70 Resp: 31427

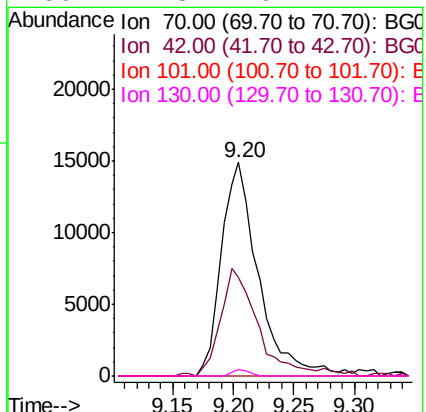
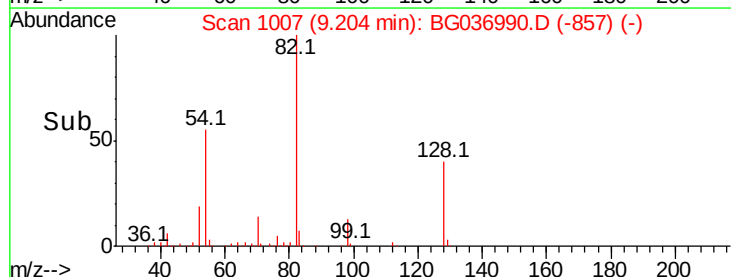
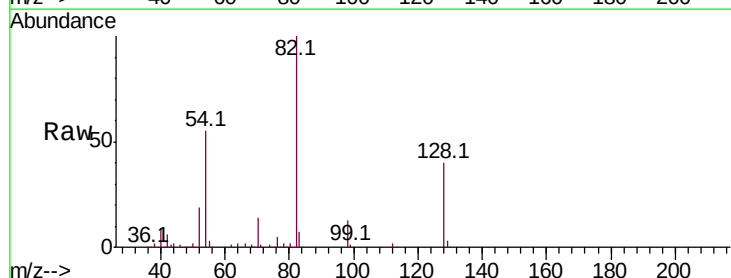
Ion Ratio Lower Upper

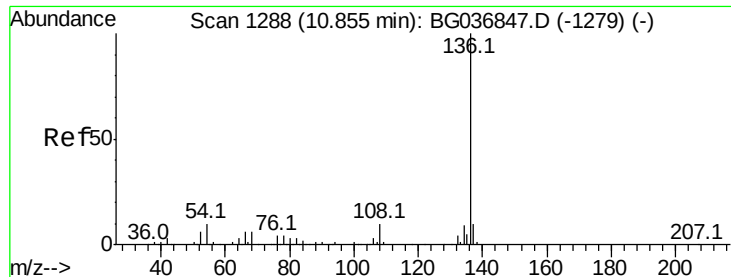
70 100

42 46.1 56.2 84.4#

101 0.0 7.8 11.6#

130 2.8 16.2 24.2#

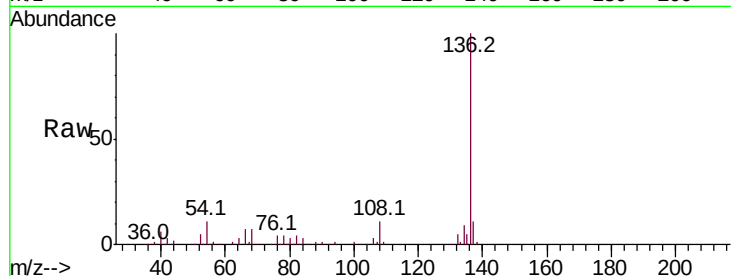




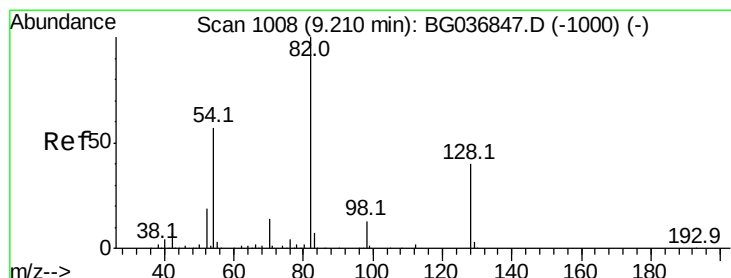
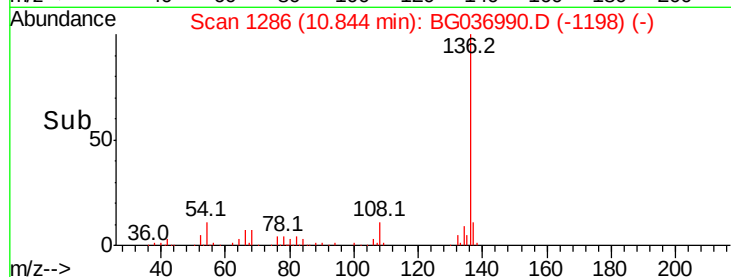
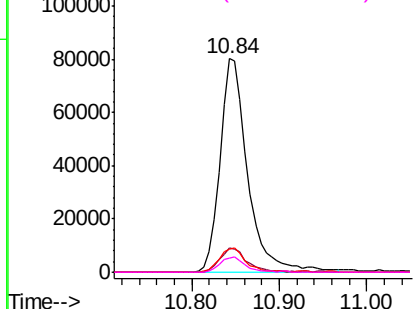
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.84 min Scan# 1286  
Delta R.T. -0.01 min  
Lab File: BG036990.D  
Acq: 26 Sep 2018 20:29

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 175136      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.3  | 8.8 13.2    |
| 54          | 10.5  | 9.2 13.8    |
| 68          | 6.7   | 5.8 8.6     |

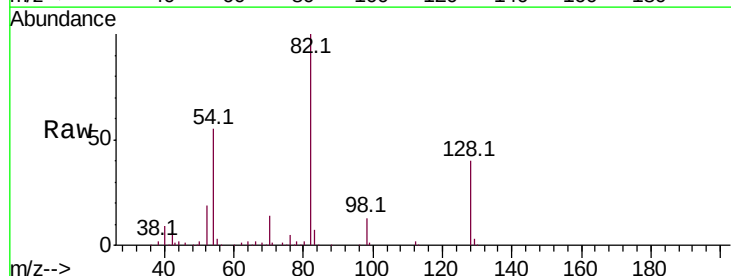


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

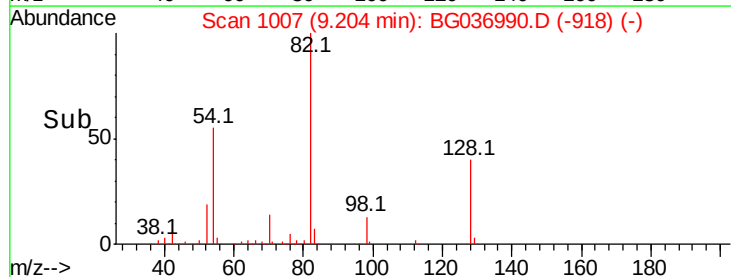
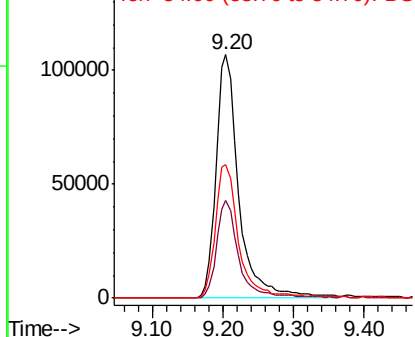


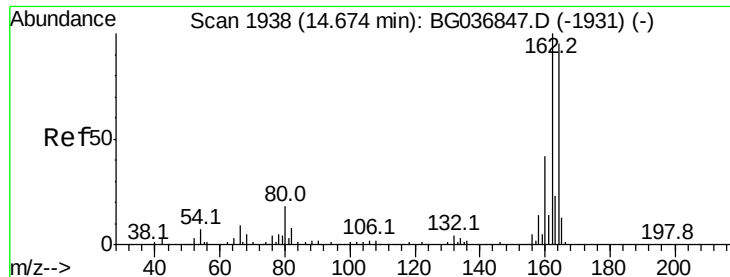
#23  
Nitrobenzene-d5  
Concen: 73.363 ng  
RT: 9.20 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BG036990.D  
Acq: 26 Sep 2018 20:29

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 239929      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 40.3  | 33.3 49.9   |
| 54          | 55.0  | 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036990.D

Acq: 26 Sep 2018 20:29

Instrument :

BNA\_G

ClientSampleId :

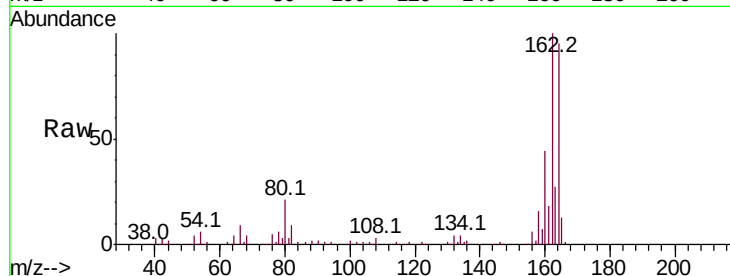
Tot Ion:164 Resp: 113737

Ion Ratio Lower Upper

164 100

162 105.1 80.7 121.1

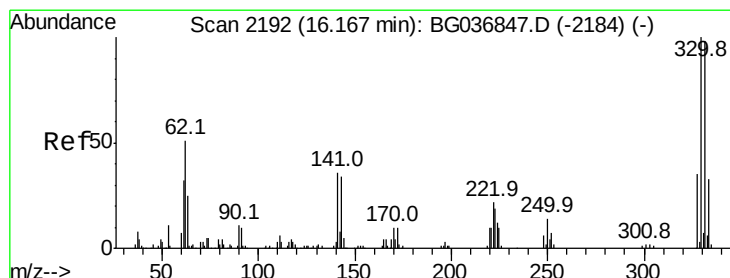
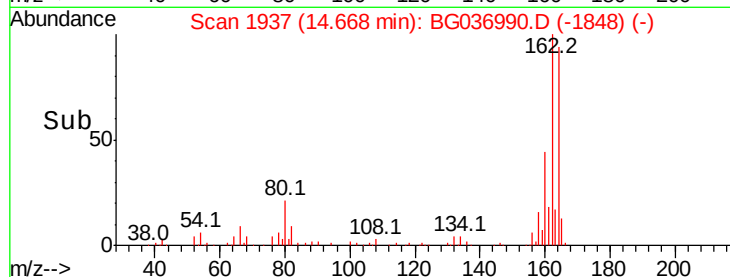
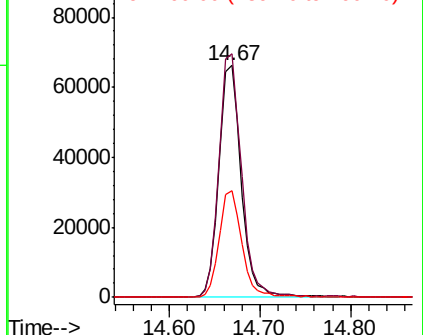
160 46.0 35.3 52.9



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: 102.113 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036990.D

Acq: 26 Sep 2018 20:29

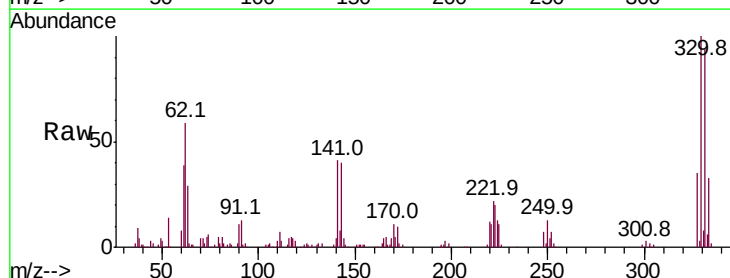
Tgt Ion:330 Resp: 138955

Ion Ratio Lower Upper

330 100

332 97.3 75.4 113.2

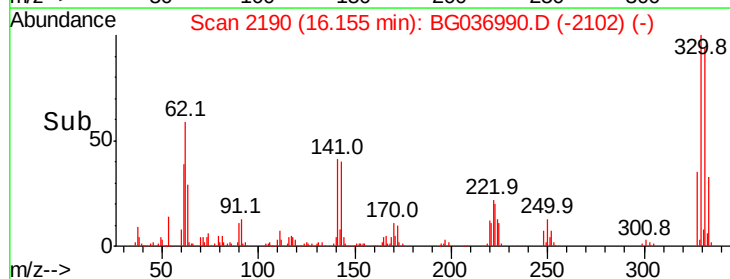
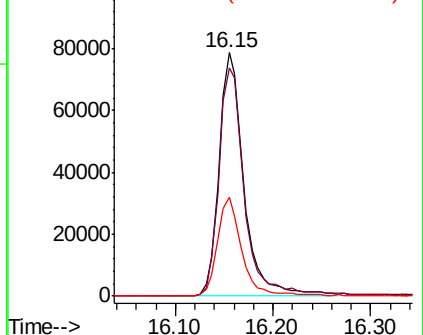
141 40.4 30.7 46.1

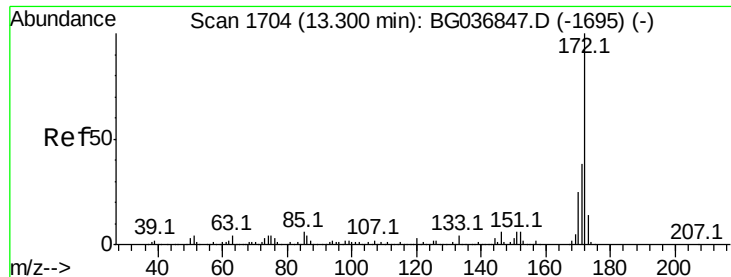


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

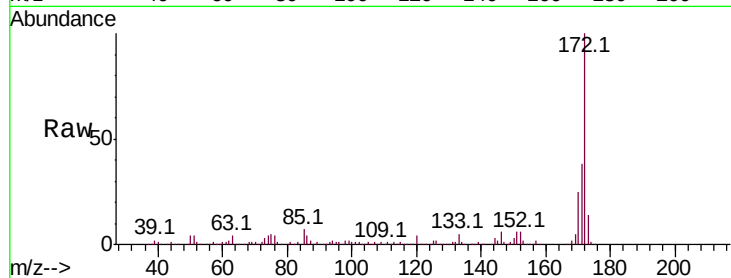




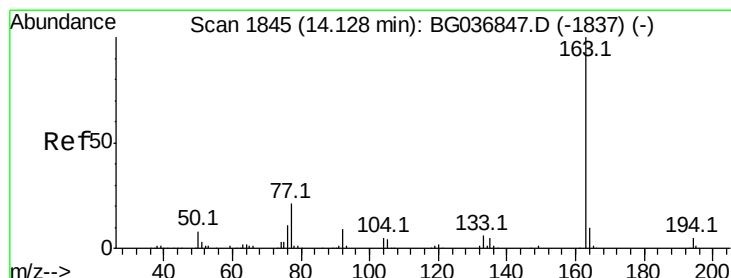
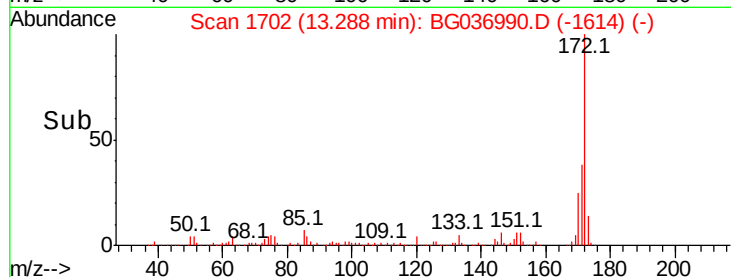
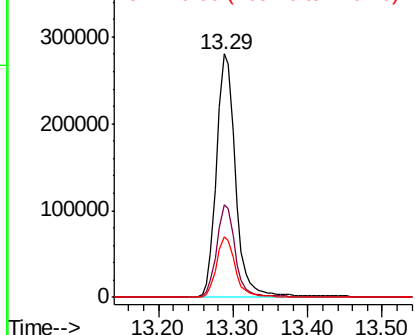
#44  
2-Fluorobiphenyl  
Concen: 65.596 ng  
RT: 13.29 min Scan# 1702  
Delta R.T. -0.01 min  
Lab File: BG036990.D  
Acq: 26 Sep 2018 20:29

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:172 Resp: 500921  
Ion Ratio Lower Upper  
172 100  
171 38.2 31.3 46.9  
170 24.7 21.0 31.6

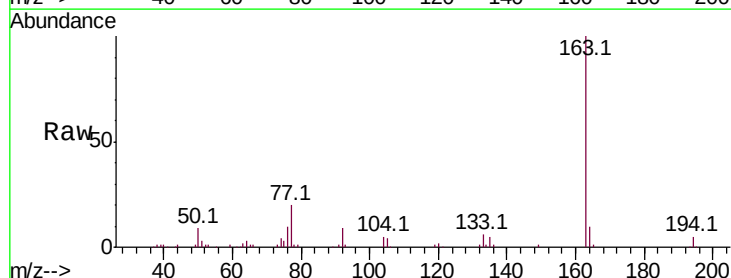


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

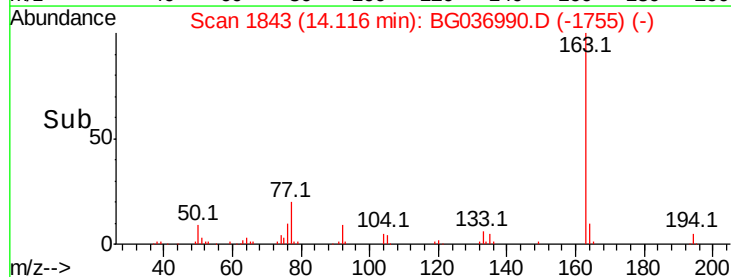
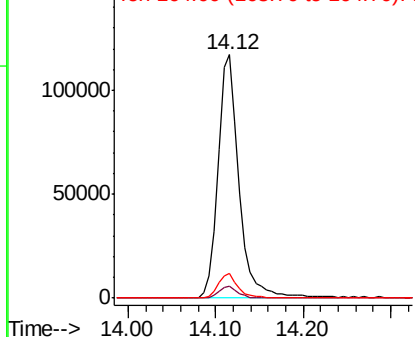


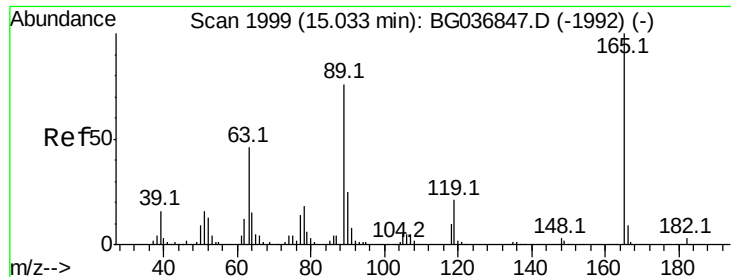
#49  
Dimethylphthalate  
Concen: 21.299 ng  
RT: 14.12 min Scan# 1843  
Delta R.T. -0.01 min  
Lab File: BG036990.D  
Acq: 26 Sep 2018 20:29

Tgt Ion:163 Resp: 194993  
Ion Ratio Lower Upper  
163 100  
194 4.7 4.0 6.0  
164 10.4 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

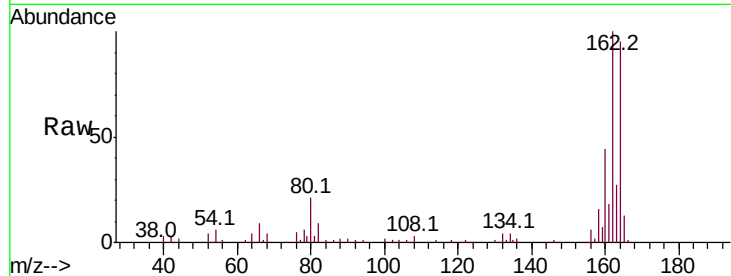




#56  
 2,4-Dinitrotoluene  
 Concen: 5.178 ng  
 RT: 14.67 min Scan# 1937  
 Delta R.T. -0.36 min  
 Lab File: BG036990.D  
 Acq: 26 Sep 2018 20:29

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.0   | 40.1  | 60.1# |
| 89      | 0.0   | 63.7  | 95.5# |
| 182     | 0.0   | 2.5   | 3.7#  |

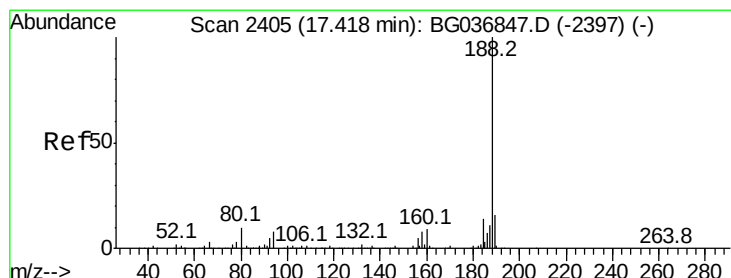
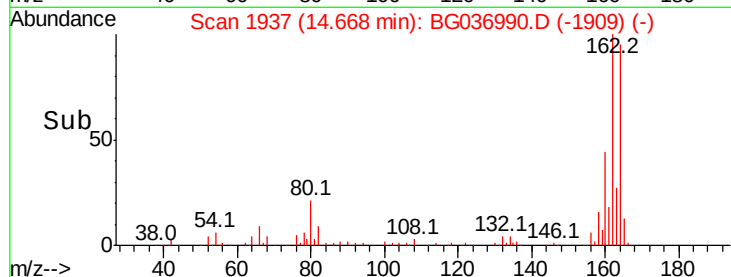
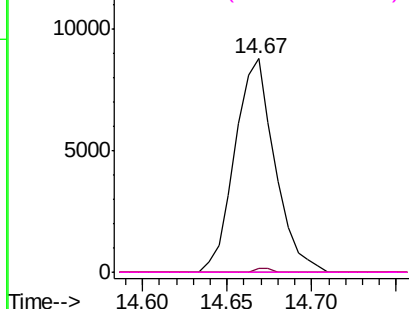


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

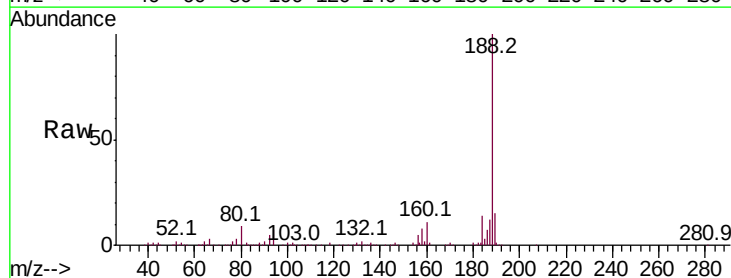
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.41 min Scan# 2404  
 Delta R.T. -0.01 min  
 Lab File: BG036990.D  
 Acq: 26 Sep 2018 20:29

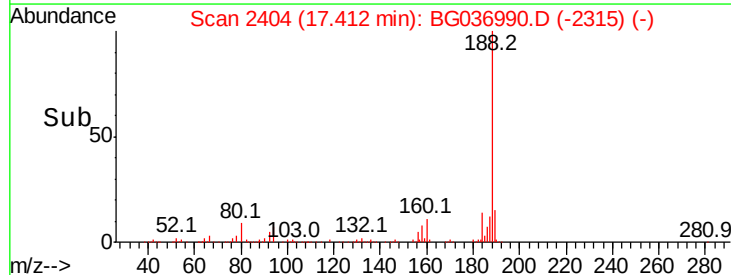
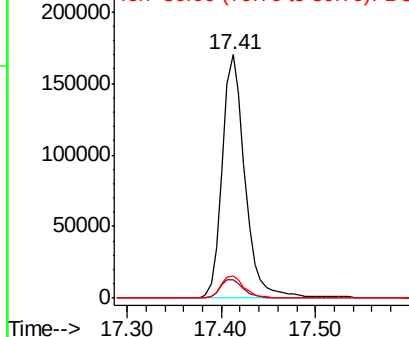
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.4   | 6.7   | 10.1  |
| 80      | 9.1   | 8.1   | 12.1  |



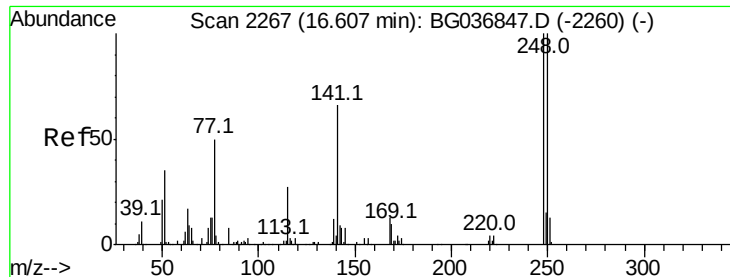
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



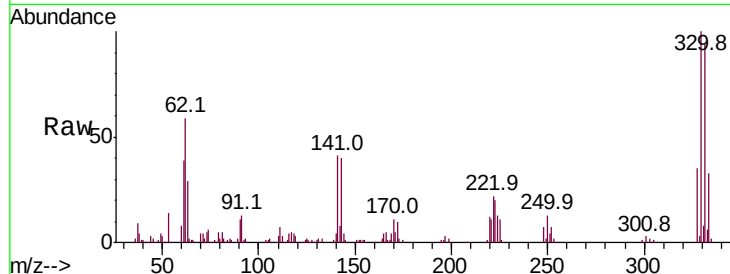




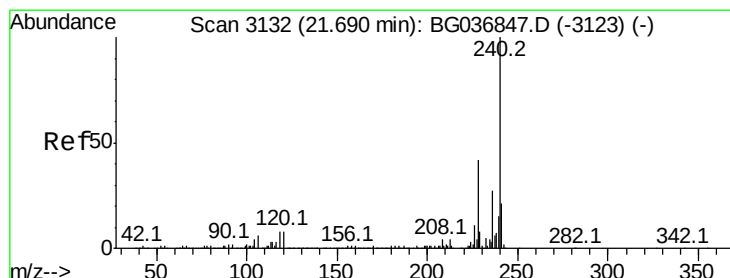
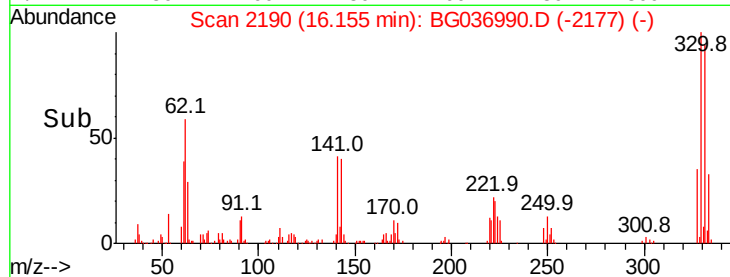
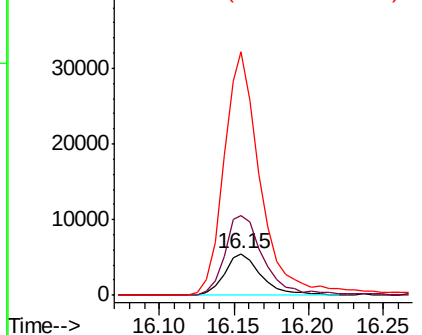
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.899 ng  
 RT: 16.15 min Scan# 2190  
 Delta R.T. -0.45 min  
 Lab File: BG036990.D  
 Acq: 26 Sep 2018 20:29

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 9478  
 Ion Ratio Lower Upper  
 248 100  
 250 193.4 78.1 117.1#  
 141 588.2 53.7 80.5#

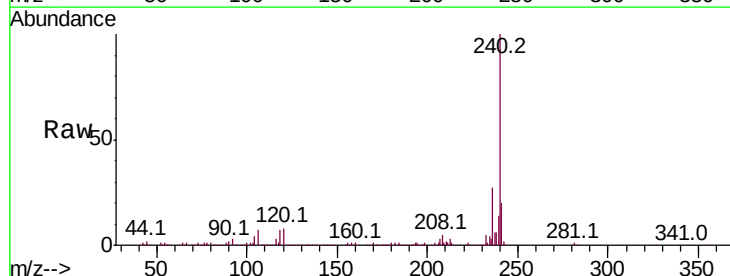


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

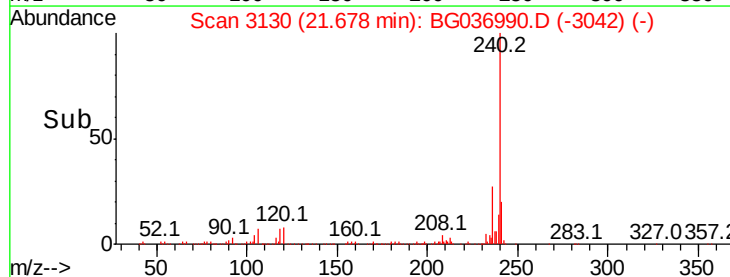
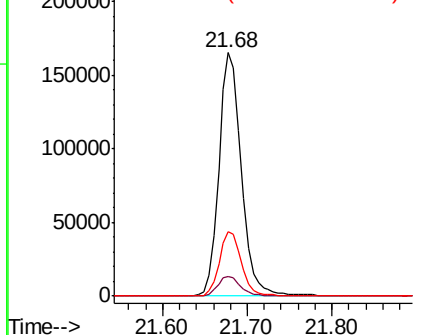


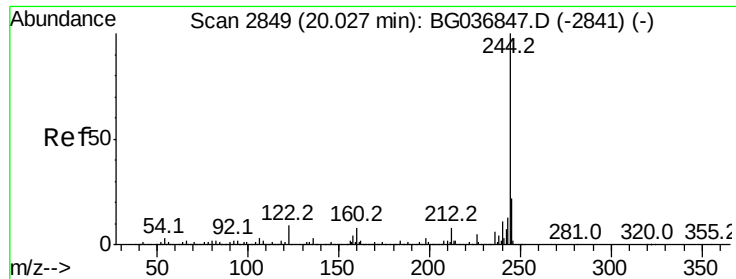
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.68 min Scan# 3130  
 Delta R.T. -0.01 min  
 Lab File: BG036990.D  
 Acq: 26 Sep 2018 20:29

Tgt Ion:240 Resp: 306268  
 Ion Ratio Lower Upper  
 240 100  
 120 8.0 6.9 10.3  
 236 26.6 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

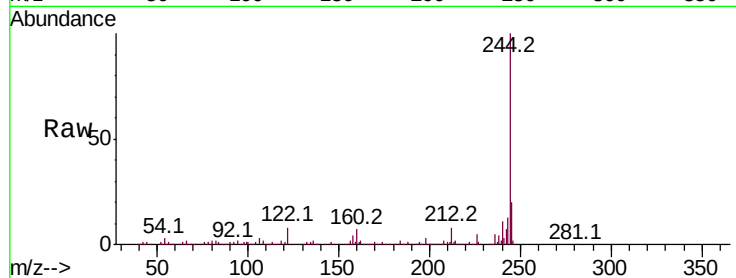




#78  
 Terphenyl-d14  
 Concen: 70.254 ng  
 RT: 20.02 min Scan# 2848  
 Delta R.T. -0.01 min  
 Lab File: BG036990.D  
 Acq: 26 Sep 2018 20:29

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.7   | 7.0   | 10.6  |
| 122     | 8.1   | 7.1   | 10.7  |

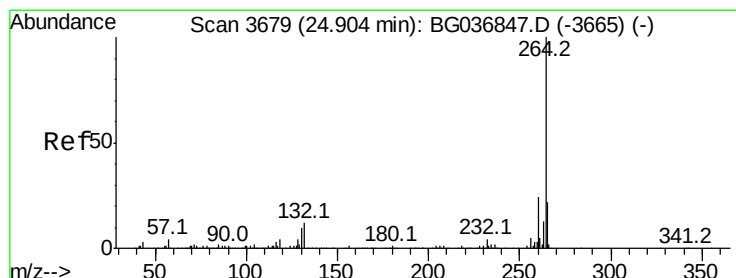
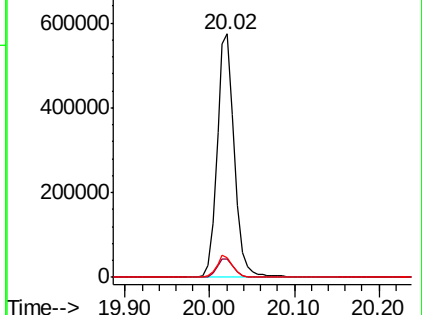
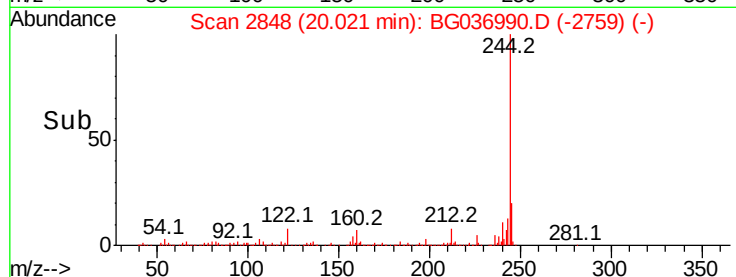


Abundance

Ion 244.00 (243.70 to 244.70): E

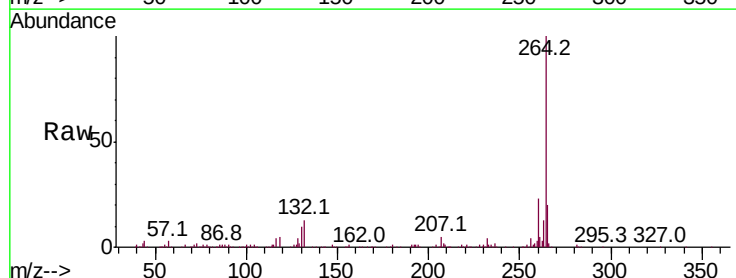
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.89 min Scan# 3676  
 Delta R.T. -0.02 min  
 Lab File: BG036990.D  
 Acq: 26 Sep 2018 20:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.6  | 29.4  |
| 265     | 20.3  | 17.4  | 26.0  |



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

