

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\  
 Data File : BG037002.D  
 Acq On : 27 Sep 2018 4:55  
 Operator : JU/SJ  
 Sample : J5074-10  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 27 08:10:57 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

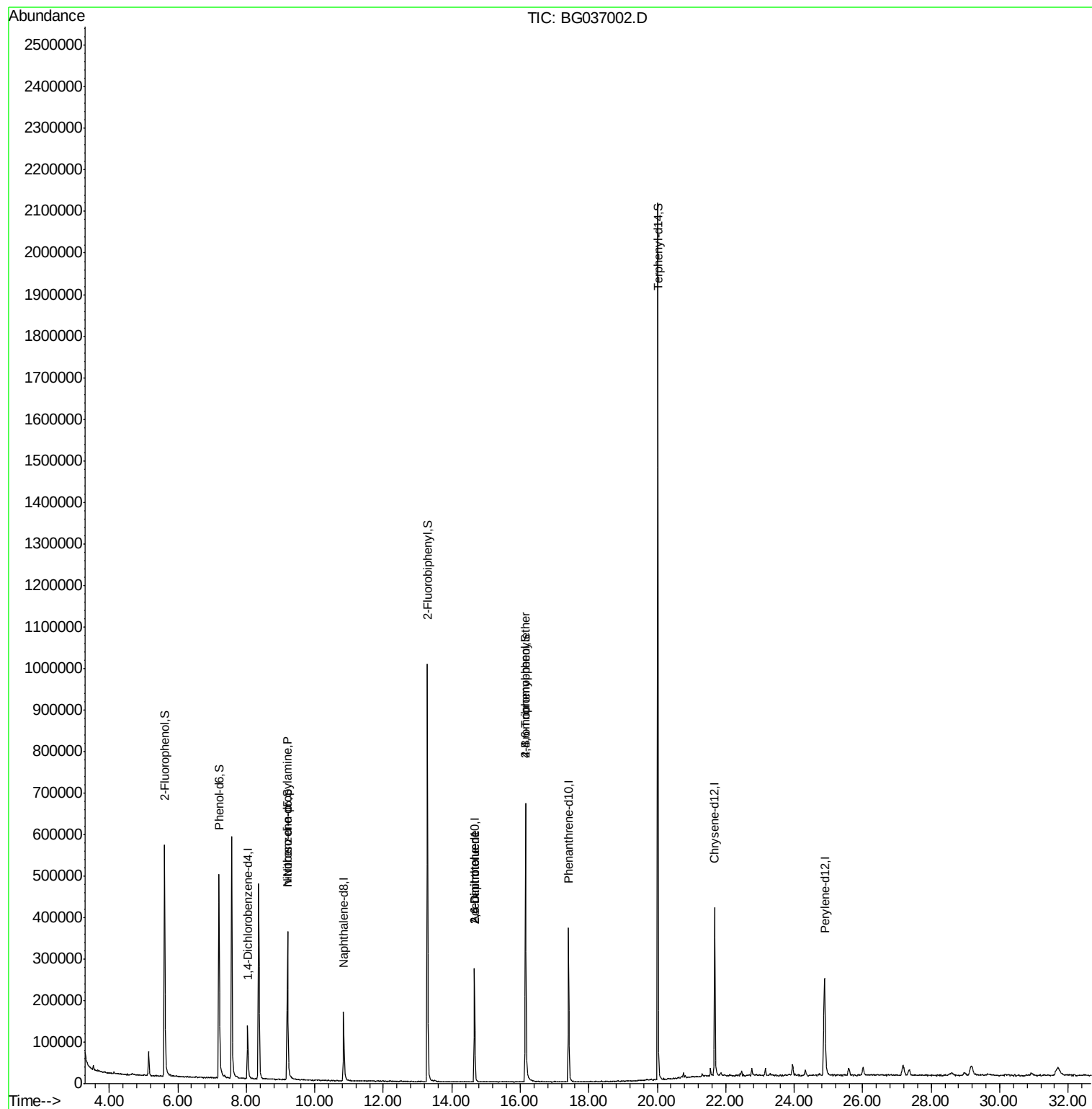
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 41269    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.84 | 136  | 162585   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 14.66 | 164  | 103061   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 17.41 | 188  | 264944   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.68 | 240  | 286232   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 24.88 | 264  | 276533   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.62  | 112  | 257840   | 119.82 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.20  | 99   | 320295   | 96.20  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.21  | 82   | 270929   | 89.24  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.16 | 330  | 144506   | 117.19 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 13.29 | 172  | 570154   | 82.40  | ng    | -0.01    |
| 78) Terphenyl-d14              | 20.02 | 244  | 1040111  | 95.55  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.21  | 70   | 36642    | 13.230 | ng    | # 75     |
| 50) 2,6-Dinitrotoluene         | 14.66 | 165  | 13453    | 7.433  | ng    | # 20     |
| 56) 2,4-Dinitrotoluene         | 14.66 | 165  | 13453    | 5.327  | ng    | # 18     |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 9409     | 3.122  | ng    | # 1      |

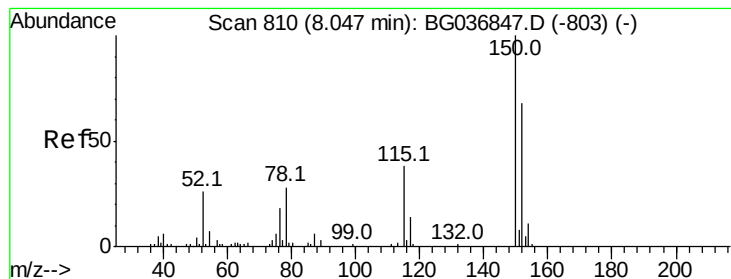
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\  
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Sample : J5074-10  
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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Sep 27 08:10:57 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: BG037002.D

Acq: 27 Sep 2018 4:55

Instrument :

BNA\_G

ClientSampleId :

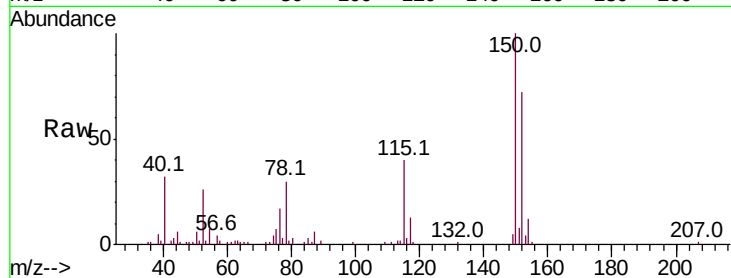
Tot Ion:152 Resp: 41269

Ion Ratio Lower Upper

152 100

150 138.9 119.5 179.3

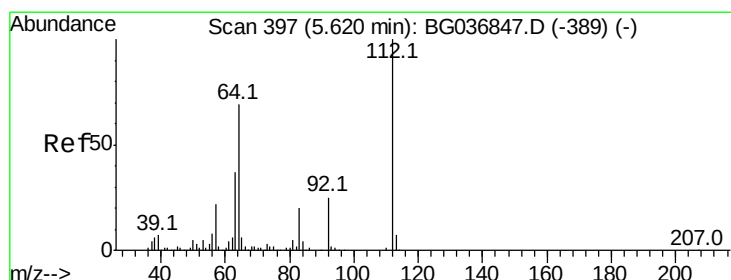
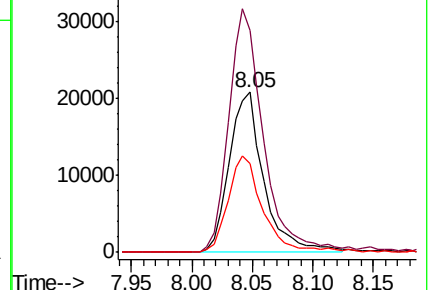
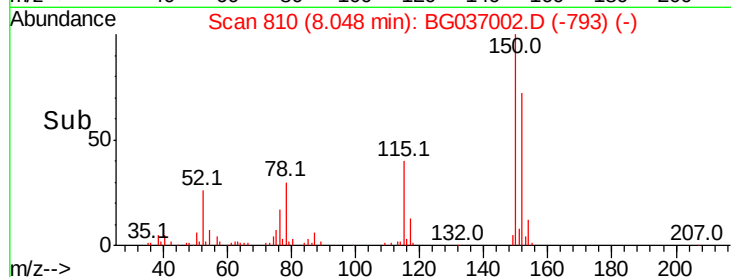
115 55.5 44.5 66.7



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: 119.819 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037002.D

Acq: 27 Sep 2018 4:55

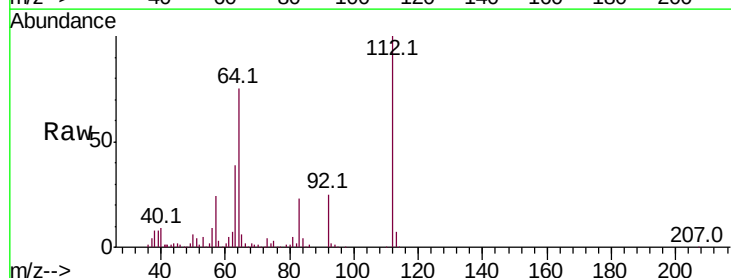
Tgt Ion:112 Resp: 257840

Ion Ratio Lower Upper

112 100

64 75.2 57.2 85.8

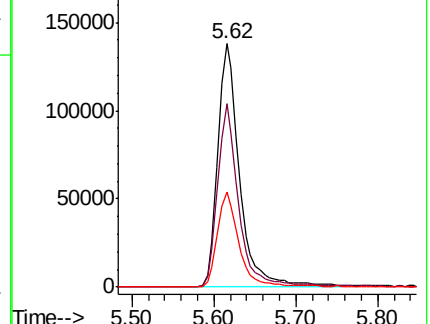
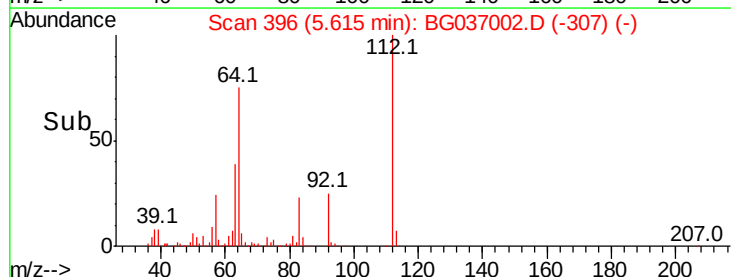
63 39.0 30.8 46.2

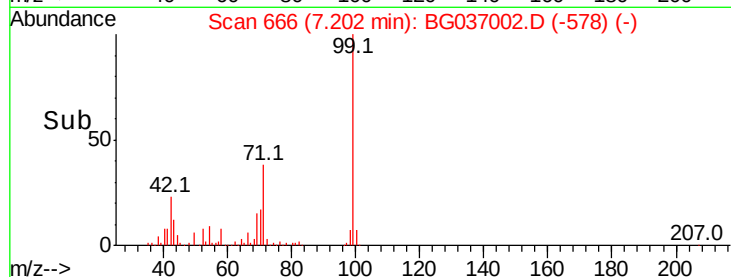
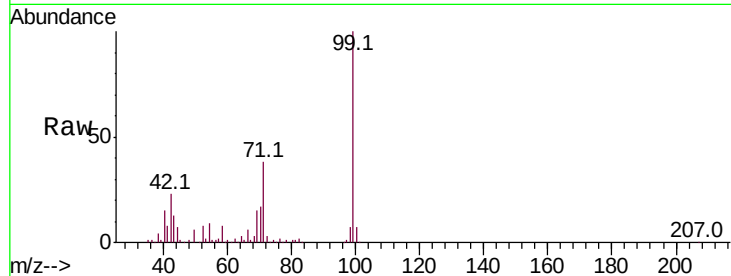
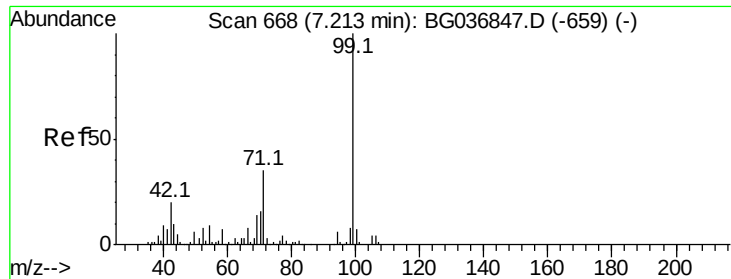


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 96.203 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037002.D

Acq: 27 Sep 2018 4:55

Instrument :

BNA\_G

ClientSampleId :

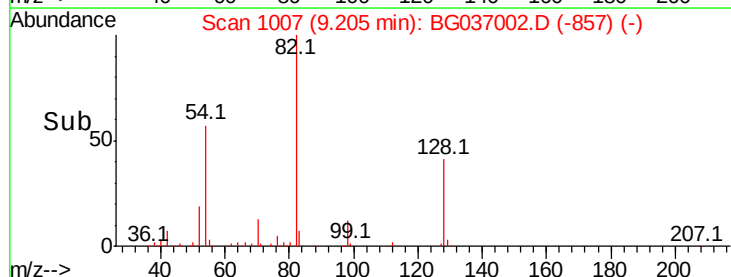
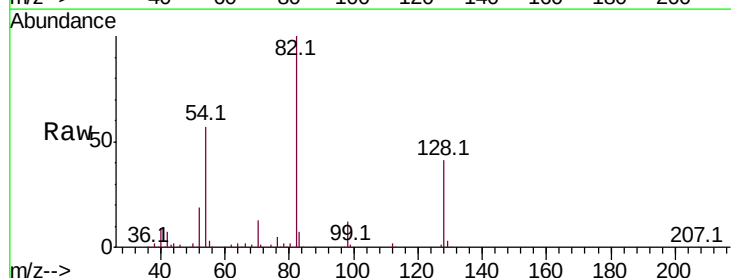
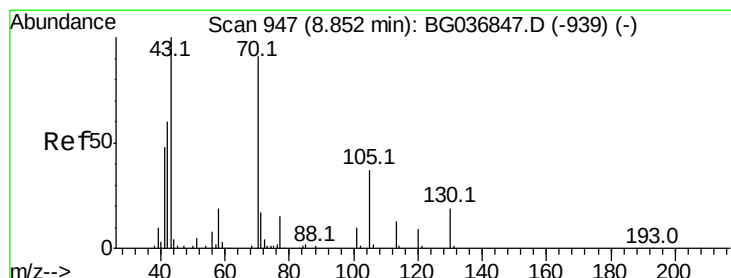
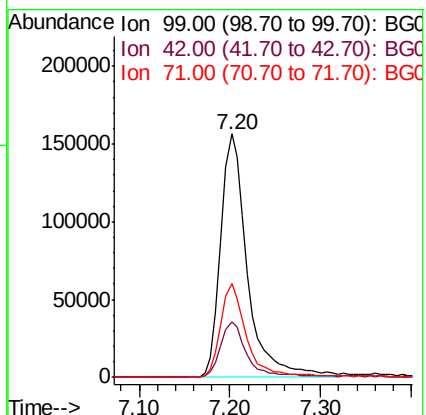
Tot Ion: 99 Resp: 320295

Ion Ratio Lower Upper

99 100

42 22.8 16.5 24.7

71 38.4 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.230 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG037002.D

Acq: 27 Sep 2018 4:55

Tgt Ion: 70 Resp: 36642

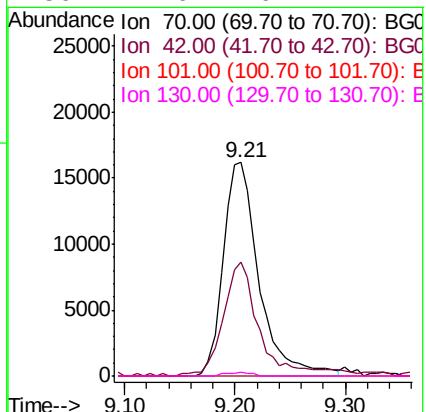
Ion Ratio Lower Upper

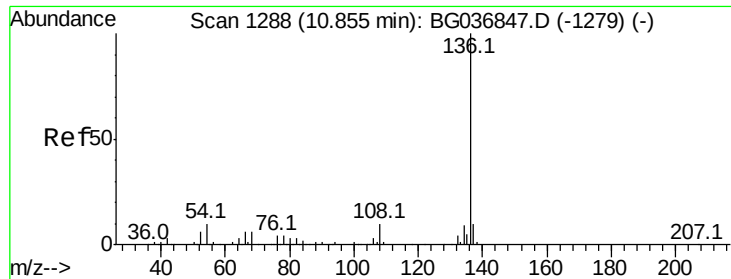
70 100

42 53.3 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#

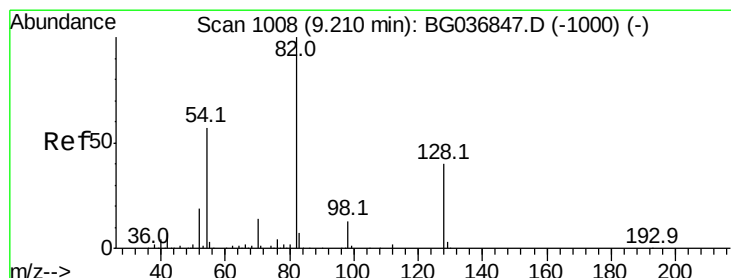
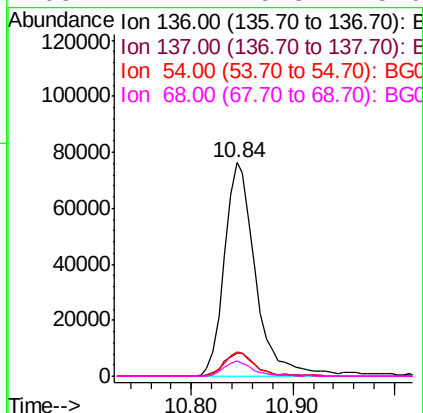
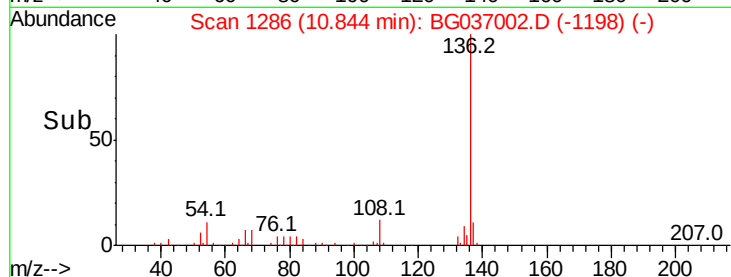
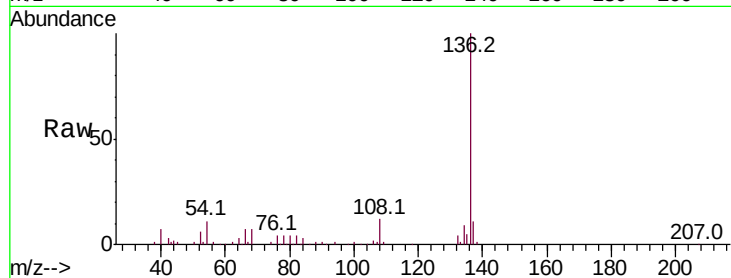




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.84 min Scan# 1286  
Delta R.T. -0.01 min  
Lab File: BG037002.D  
Acq: 27 Sep 2018 4:55

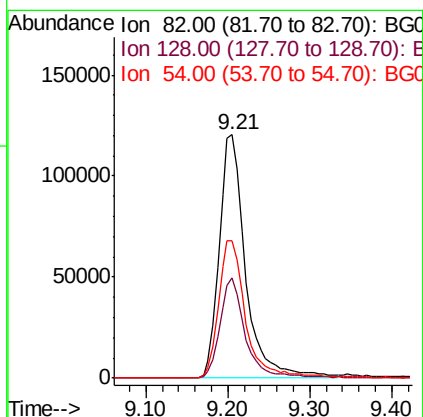
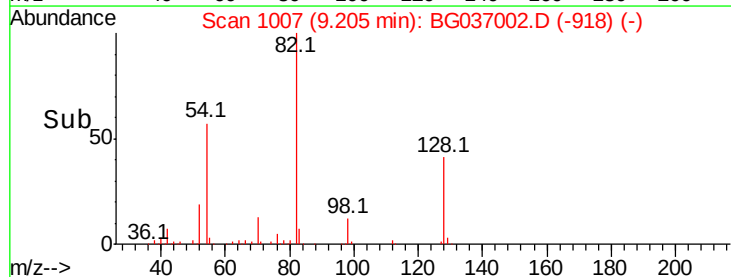
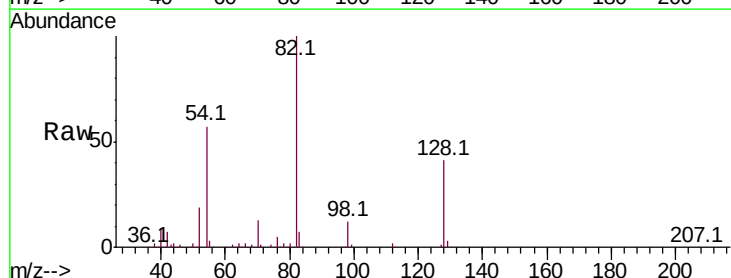
Instrument :  
BNA\_G  
ClientSampled :

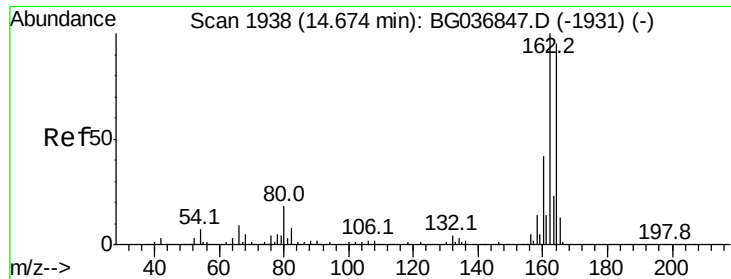
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 162585   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 8.8 13.2 |
| 54          | 11.2  | 9.2 13.8 |
| 68          | 7.4   | 5.8 8.6  |



#23  
Nitrobenzene-d5  
Concen: 89.237 ng  
RT: 9.21 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BG037002.D  
Acq: 27 Sep 2018 4:55

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 270929    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 41.4  | 33.3 49.9 |
| 54          | 56.5  | 45.1 67.7 |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037002.D

Acq: 27 Sep 2018 4:55

Instrument :

BNA\_G

ClientSampleId :

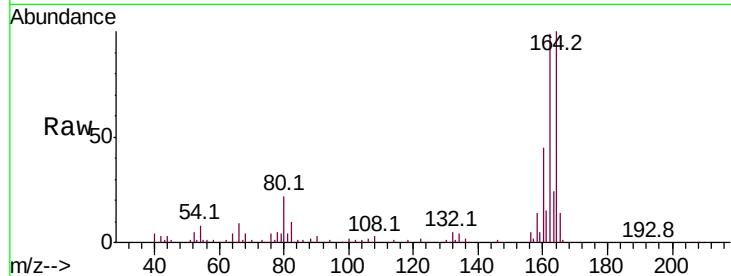
Tot Ion:164 Resp: 103061

Ion Ratio Lower Upper

164 100

162 99.1 80.7 121.1

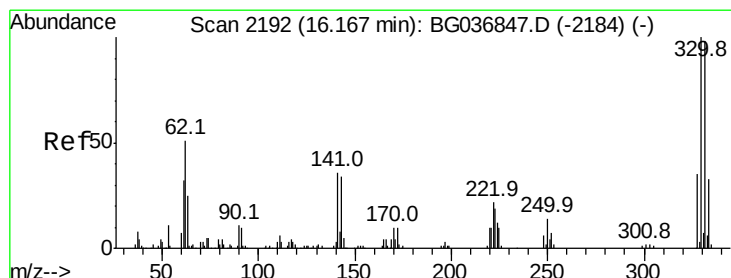
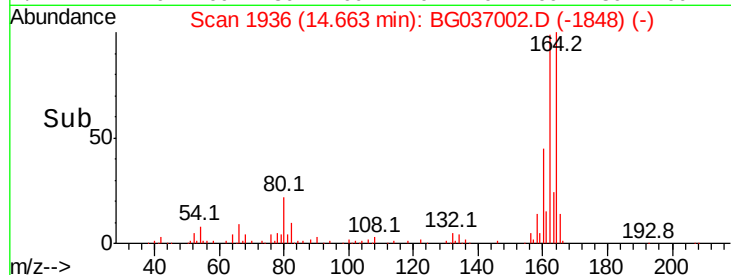
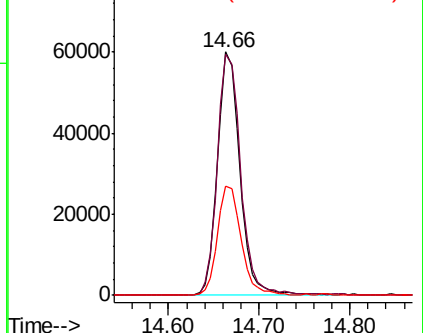
160 45.0 35.3 52.9



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: 117.193 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037002.D

Acq: 27 Sep 2018 4:55

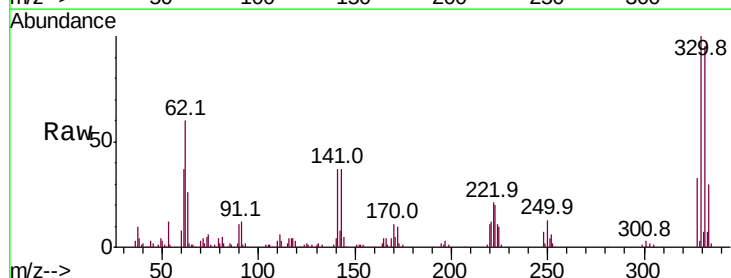
Tgt Ion:330 Resp: 144506

Ion Ratio Lower Upper

330 100

332 97.4 75.4 113.2

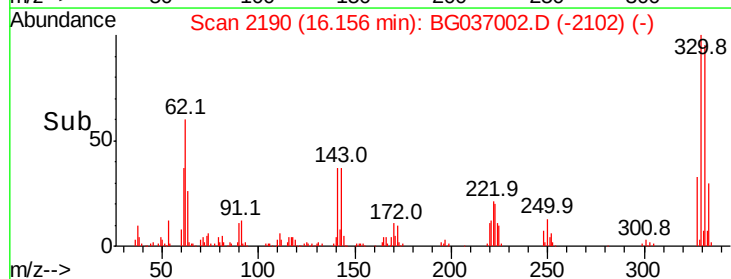
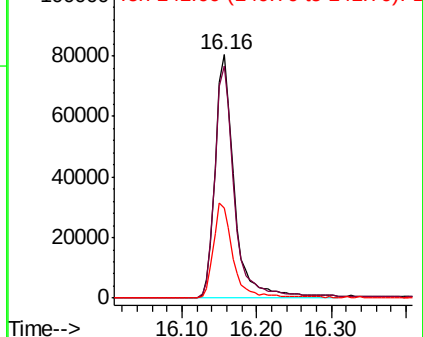
141 39.4 30.7 46.1

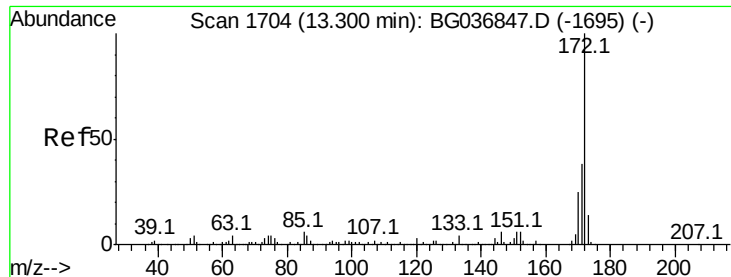


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

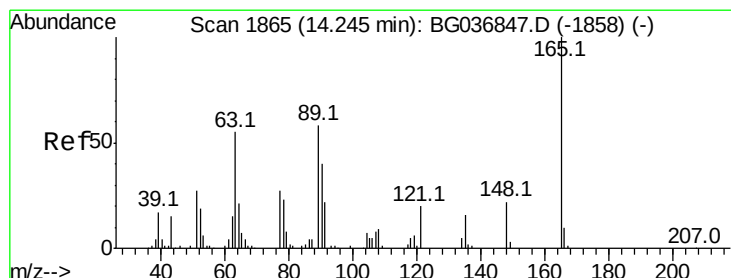
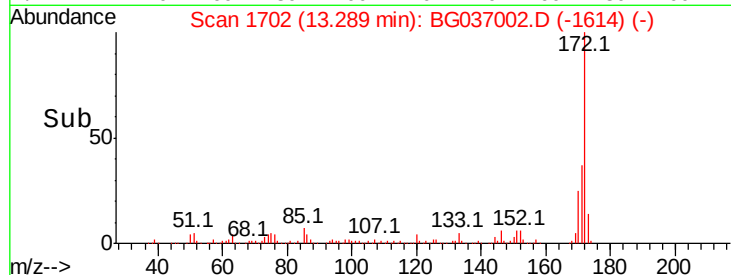
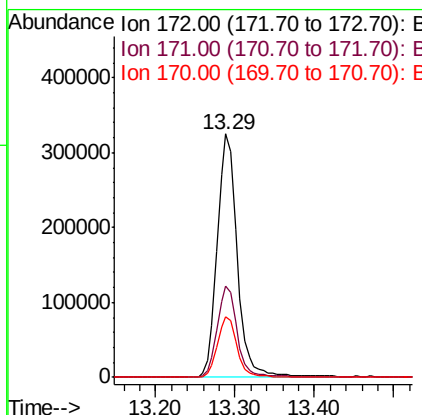
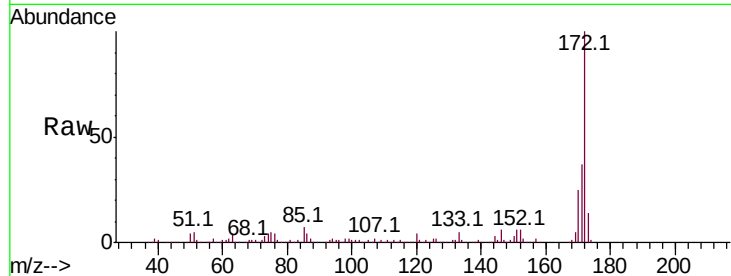




#44  
 2-Fluorobiphenyl  
 Concen: 82.396 ng  
 RT: 13.29 min Scan# 1702  
 Delta R.T. -0.01 min  
 Lab File: BG037002.D  
 Acq: 27 Sep 2018 4:55

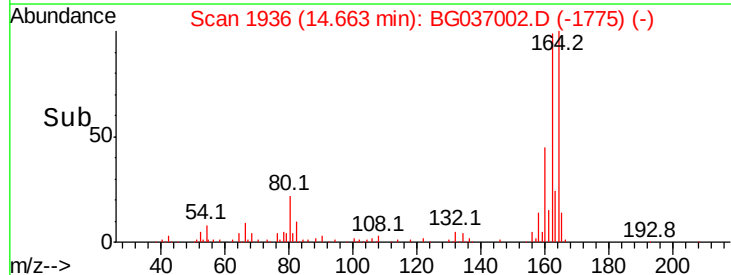
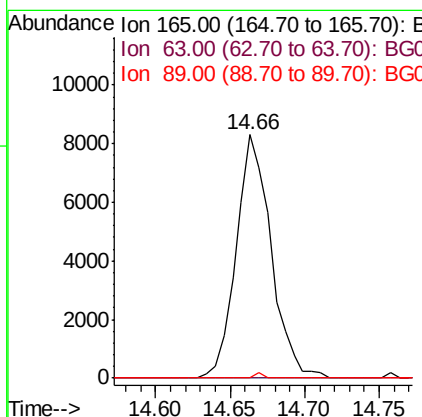
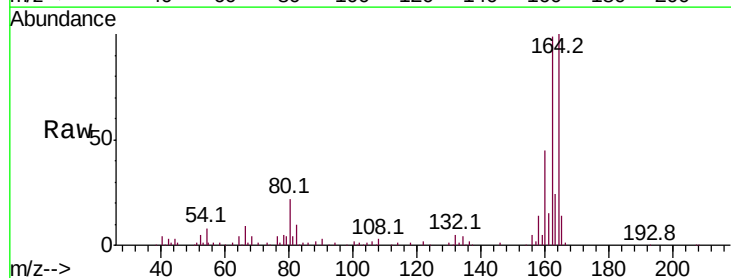
Instrument :  
 BNA\_G  
 ClientSampleId :

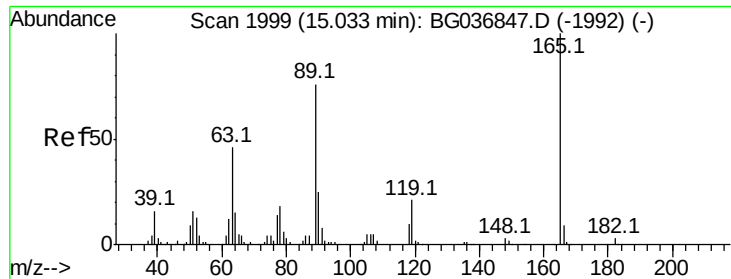
Tot Ion:172 Resp: 570154  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 31.3 46.9  
 170 24.7 21.0 31.6



#50  
 2,6-Dinitrotoluene  
 Concen: 7.433 ng  
 RT: 14.66 min Scan# 1936  
 Delta R.T. 0.42 min  
 Lab File: BG037002.D  
 Acq: 27 Sep 2018 4:55

Tgt Ion:165 Resp: 13453  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 50.1 75.1#  
 89 0.0 47.8 71.6#

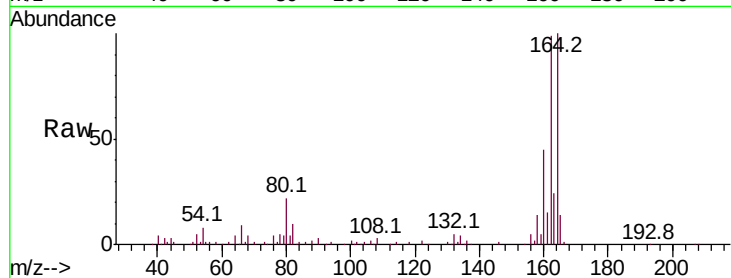




#56  
 2,4-Dinitrotoluene  
 Concen: 5.327 ng  
 RT: 14.66 min Scan# 1936  
 Delta R.T. -0.37 min  
 Lab File: BG037002.D  
 Acq: 27 Sep 2018 4:55

Instrument :  
 BNA\_G  
 ClientSampleId :

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



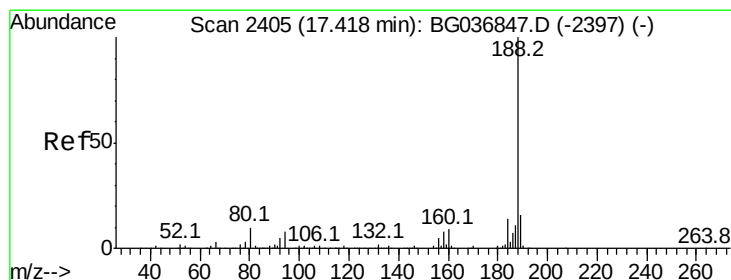
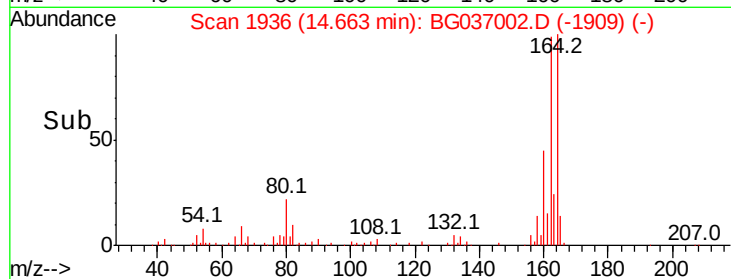
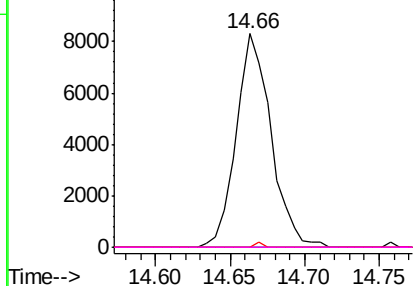
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

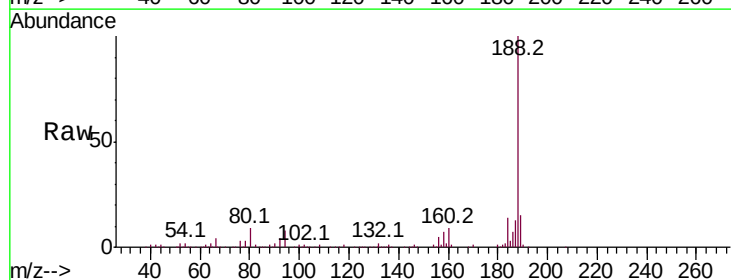
Ion 89.00 (88.70 to 89.70): BGC

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: BG037002.D  
 Acq: 27 Sep 2018 4:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.9   | 6.7   | 10.1  |
| 80      | 9.1   | 8.1   | 12.1  |

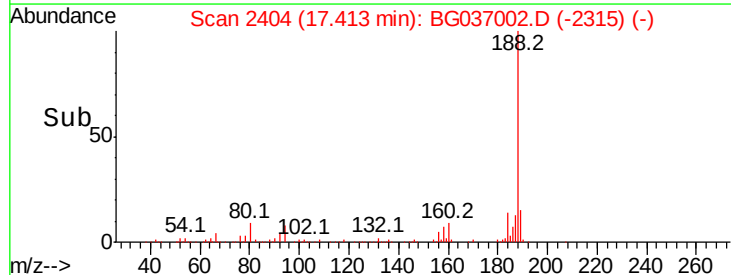
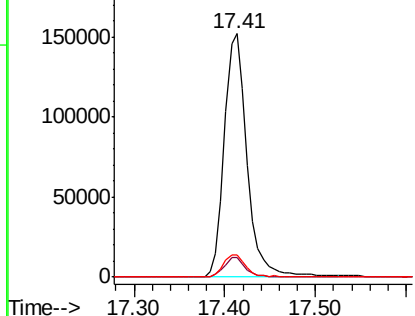


Abundance

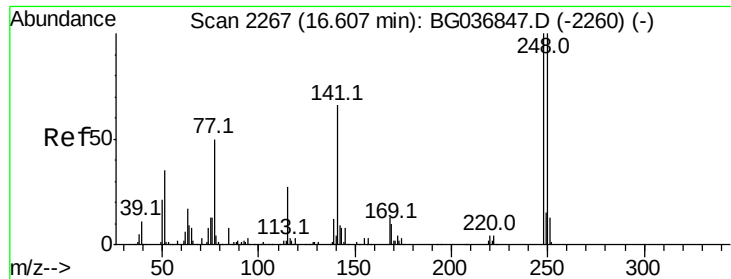
Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



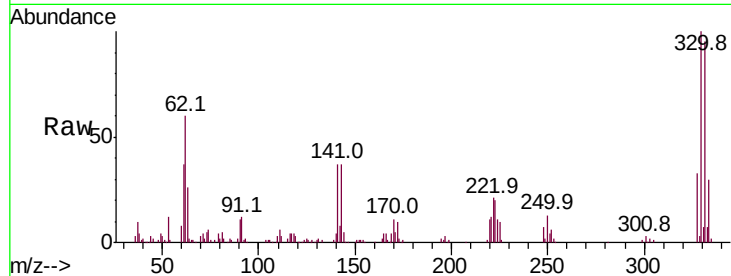




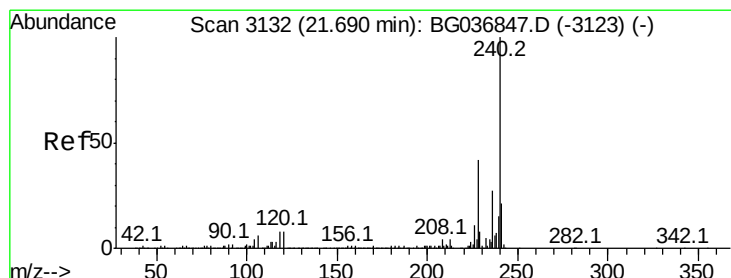
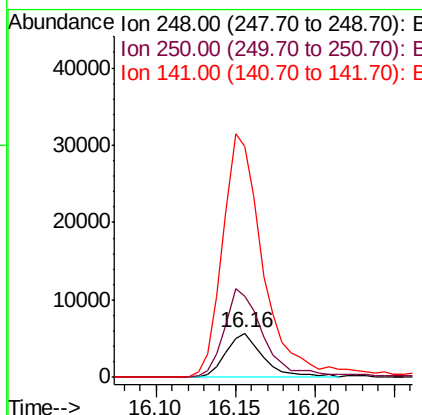
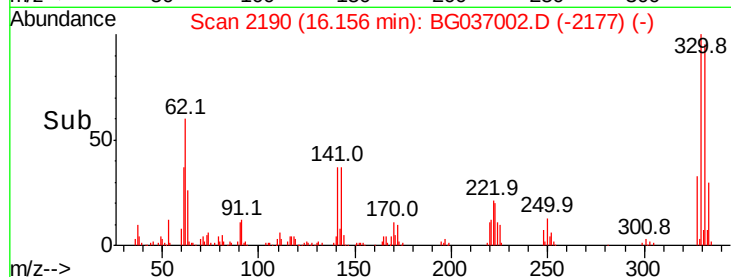
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.122 ng  
 RT: 16.16 min Scan# 2190  
 Delta R.T. -0.45 min  
 Lab File: BG037002.D  
 Acq: 27 Sep 2018 4:55

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 9409  
 Ion Ratio Lower Upper  
 248 100  
 250 182.2 78.1 117.1#  
 141 523.5 53.7 80.5#

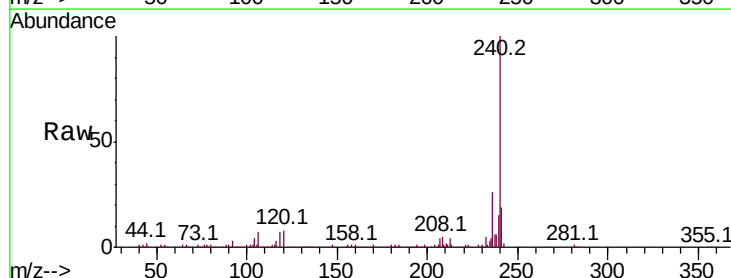


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

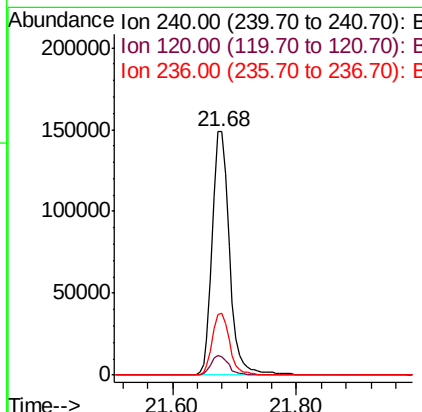
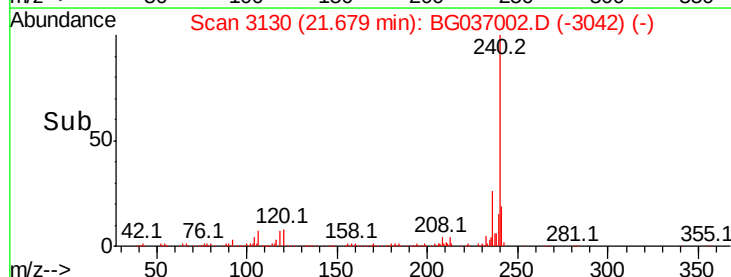


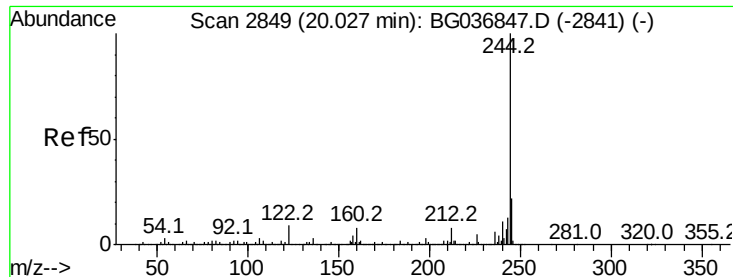
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.68 min Scan# 3130  
 Delta R.T. -0.01 min  
 Lab File: BG037002.D  
 Acq: 27 Sep 2018 4:55

Tgt Ion:240 Resp: 286232  
 Ion Ratio Lower Upper  
 240 100  
 120 7.8 6.9 10.3  
 236 25.6 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



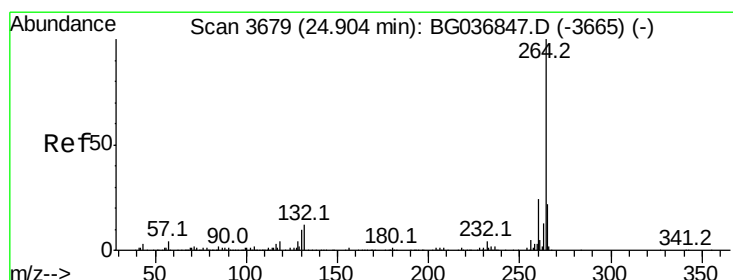
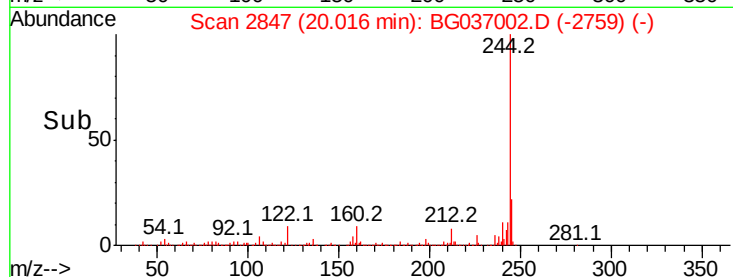
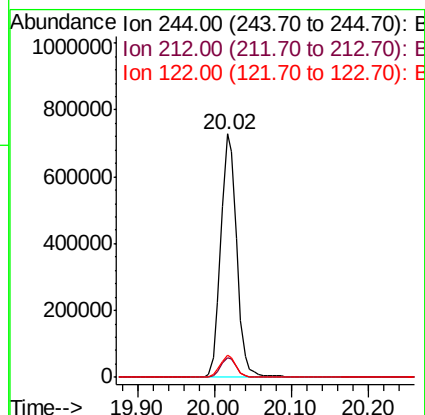
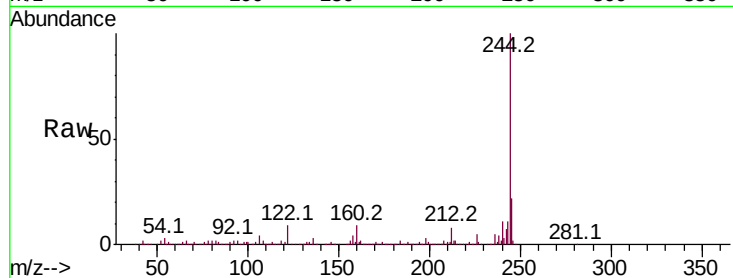


#78  
 Terphenyl-d14  
 Concen: 95.551 ng  
 RT: 20.02 min Scan# 2847  
 Delta R.T. -0.01 min  
 Lab File: BG037002.D  
 Acq: 27 Sep 2018 4:55

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:244 Resp: 1040111  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.2   | 7.0   | 10.6  |
| 122 | 8.9   | 7.1   | 10.7  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.88 min Scan# 3675  
 Delta R.T. -0.02 min  
 Lab File: BG037002.D  
 Acq: 27 Sep 2018 4:55

Tgt Ion:264 Resp: 276533  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.6  | 29.4  |
| 265 | 21.8  | 17.4  | 26.0  |

