

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\  
 Data File : BG036558.D  
 Acq On : 5 Sep 2018 9:27  
 Operator : JU/SJ  
 Sample : J4759-18  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 05 11:03:32 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 Response via : Initial Calibration

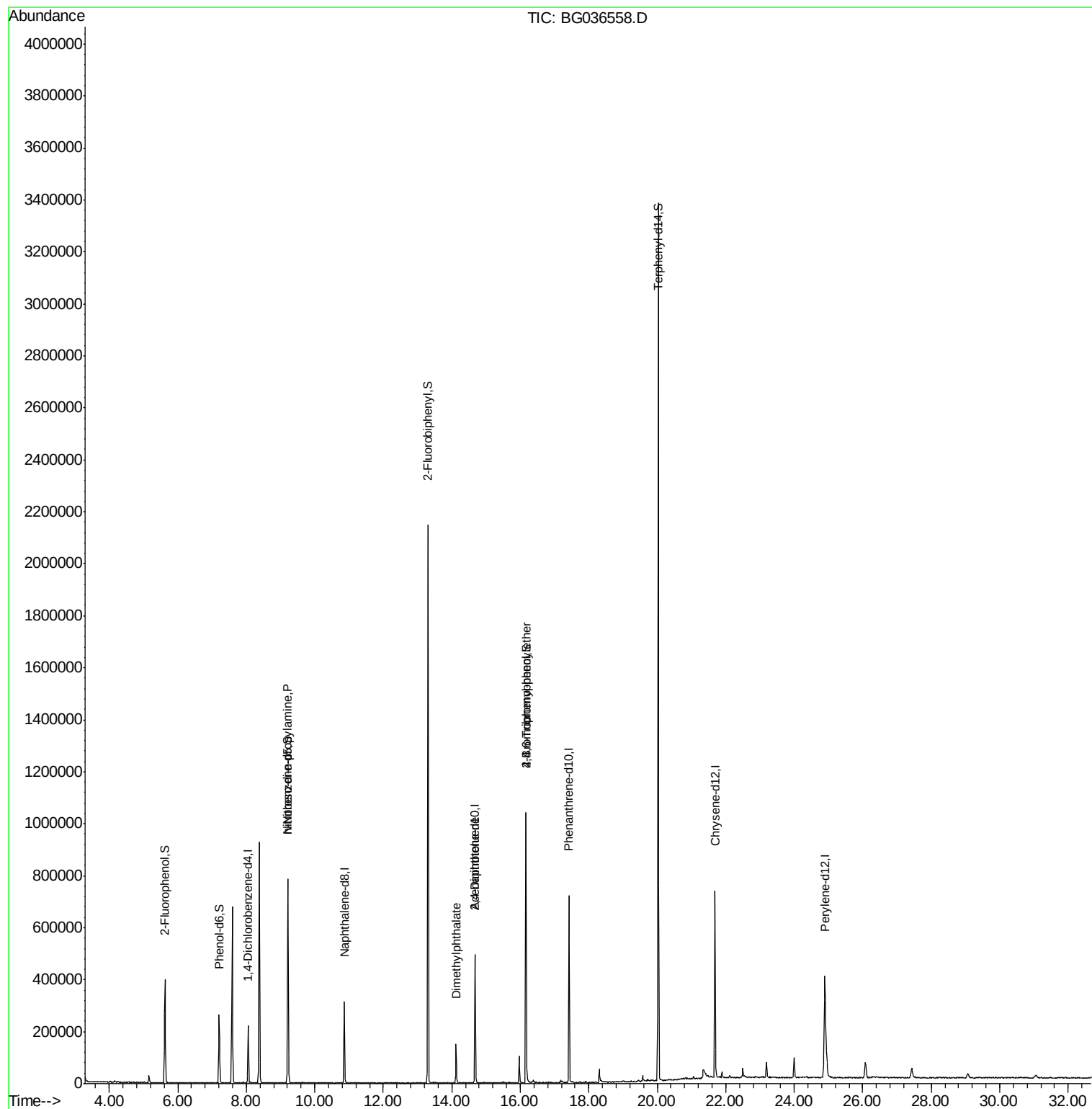
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.06  | 152  | 62646    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.86 | 136  | 260127   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.68 | 164  | 170631   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.42 | 188  | 437787   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.68 | 240  | 449072   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 24.90 | 264  | 450057   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 171653   | 43.47  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.21  | 99   | 152850   | 27.03  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 472103   | 98.47  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.17 | 330  | 200193   | 98.33  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.31 | 172  | 1092634  | 91.43  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.03 | 244  | 1598277  | 83.19  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 62735    | 14.846 | ng    | # 68     |
| 49) Dimethylphthalate          | 14.13 | 163  | 99451    | 7.138  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 14.68 | 165  | 21474    | 5.747  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 16.17 | 248  | 14231    | 2.776  | ng    | # 1      |

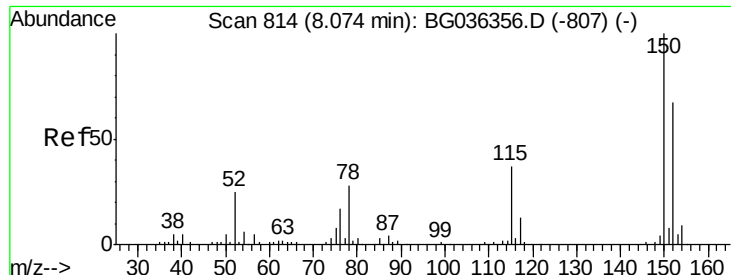
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\  
Data File : BG036558.D  
Acq On : 5 Sep 2018 9:27  
Operator : JU/SJ  
Sample : J4759-18  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Sep 05 11:03:32 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 31 13:03:20 2018  
Response via : Initial Calibration



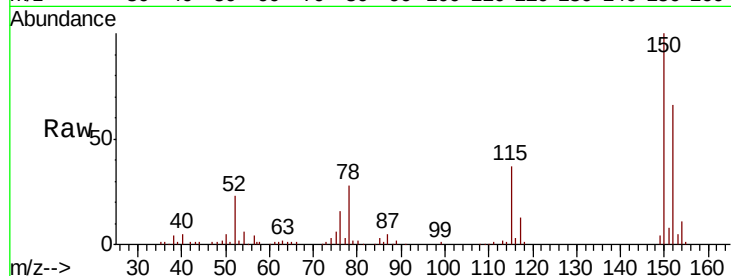


#1

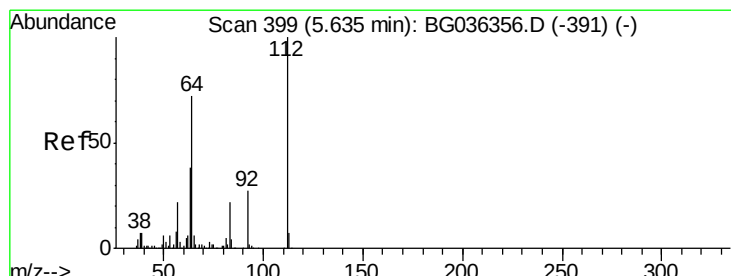
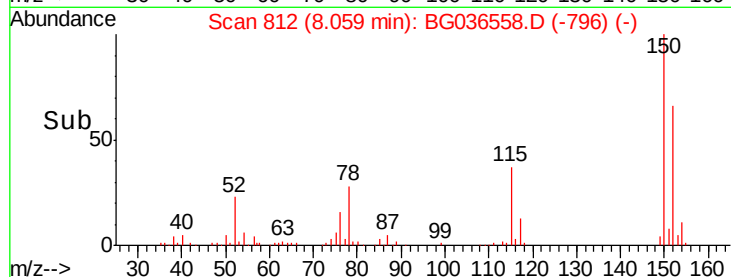
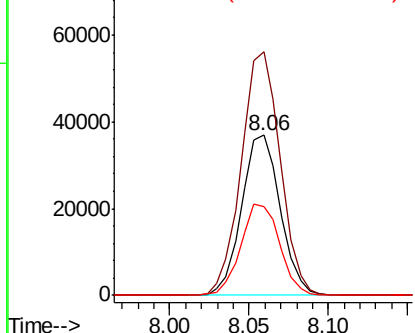
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 812  
Delta R.T. -0.00 min  
Lab File: BG036558.D  
Acq: 5 Sep 2018 9:27

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.2 | 119.5 | 179.3 |
| 115     | 55.8  | 44.5  | 66.7  |



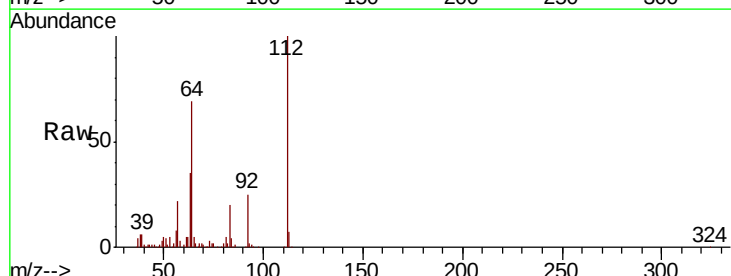
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



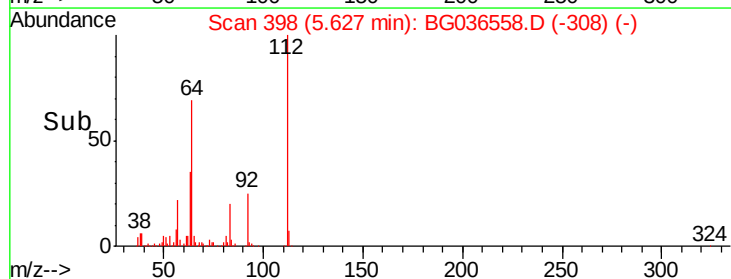
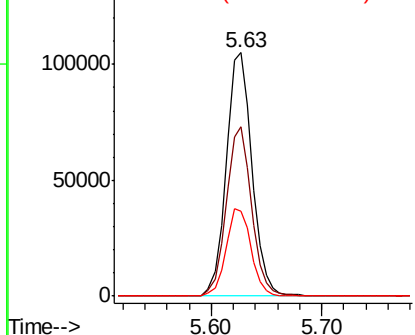
#5

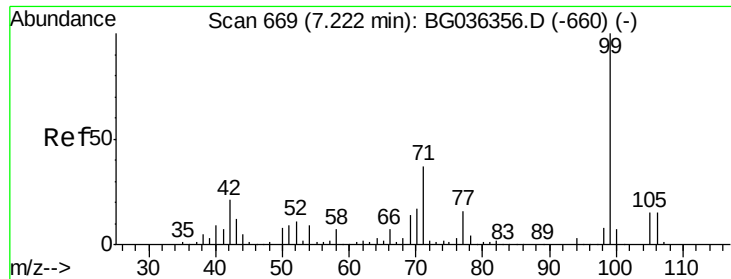
2-Fluorophenol  
Concen: 43.465 ng  
RT: 5.63 min Scan# 398  
Delta R.T. 0.00 min  
Lab File: BG036558.D  
Acq: 5 Sep 2018 9:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.4  | 57.2  | 85.8  |
| 63      | 34.6  | 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: 27.033 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036558.D

Acq: 5 Sep 2018 9:27

Instrument :

BNA\_G

ClientSampled :

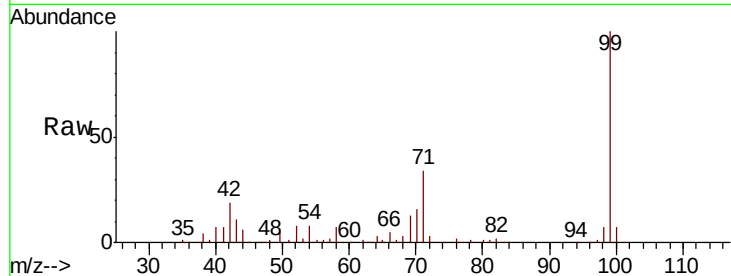
Tot Ion: 99 Resp: 152850

Ion Ratio Lower Upper

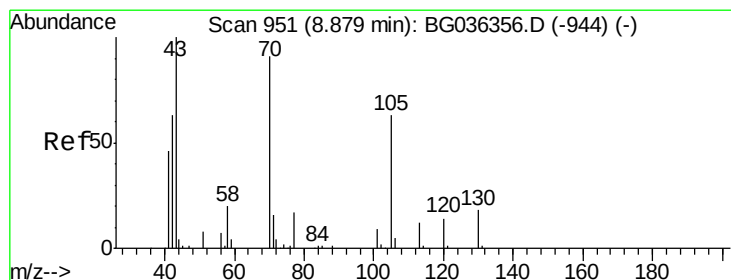
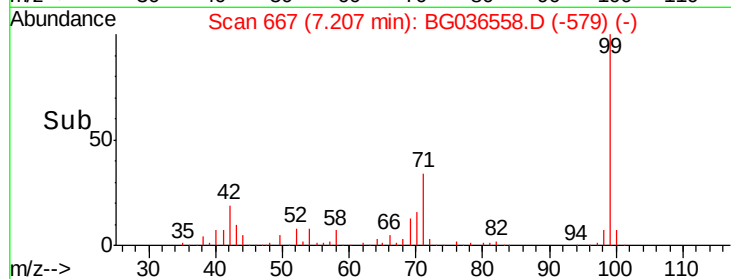
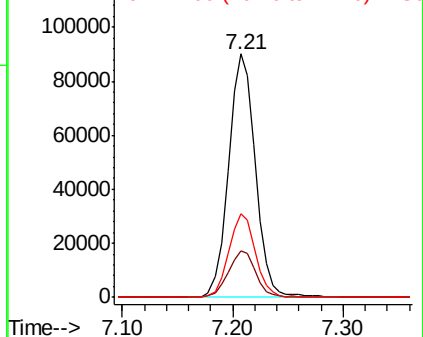
99 100

42 19.2 16.5 24.7

71 34.5 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: 14.846 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036558.D

Acq: 5 Sep 2018 9:27

Tgt Ion: 70 Resp: 62735

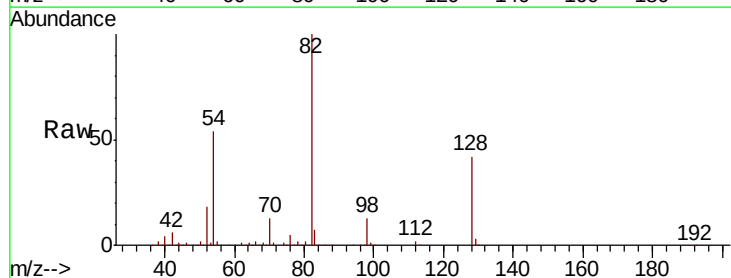
Ion Ratio Lower Upper

70 100

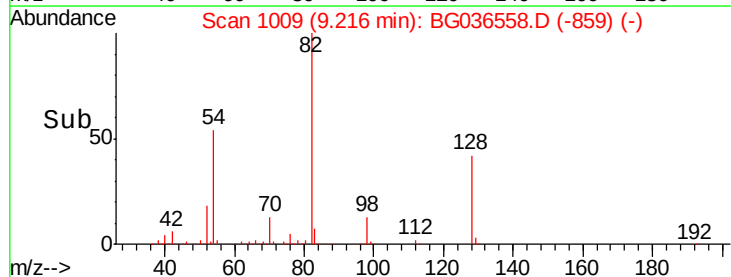
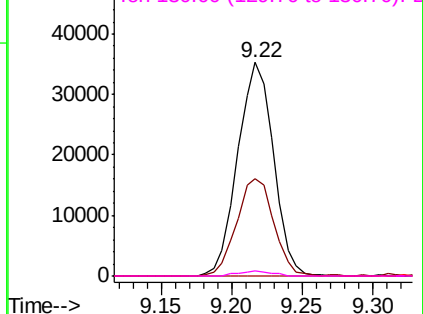
42 45.6 56.2 84.4#

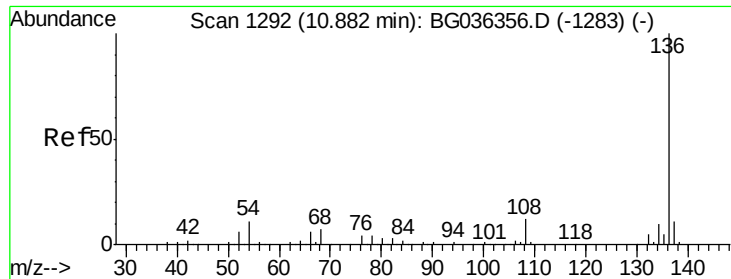
101 0.0 7.8 11.6#

130 2.2 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

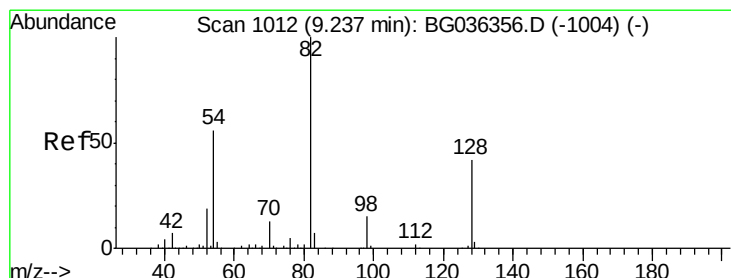
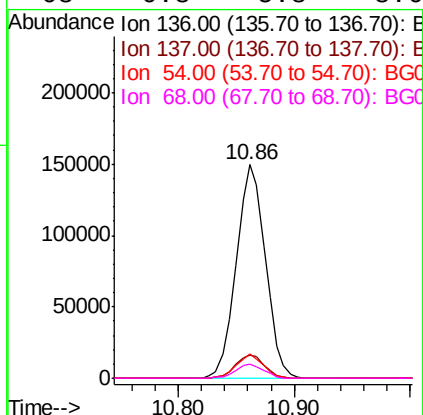
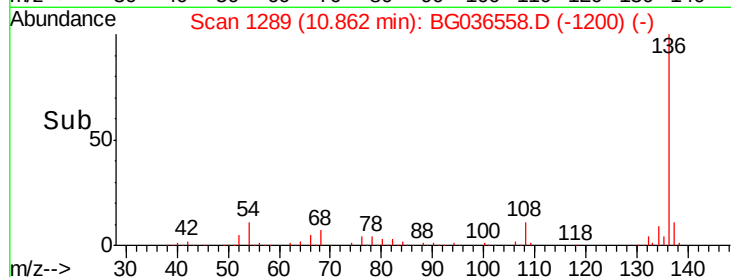
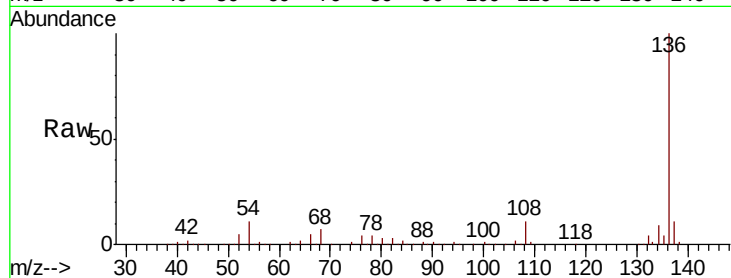




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1289  
Delta R.T. -0.00 min  
Lab File: BG036558.D  
Acq: 5 Sep 2018 9:27

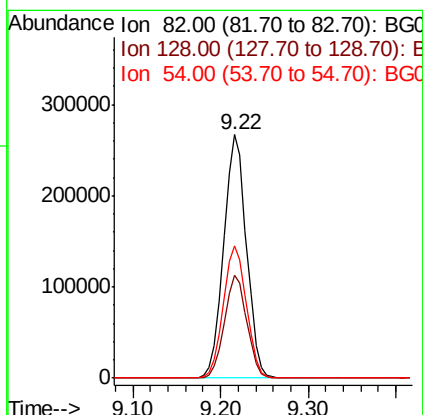
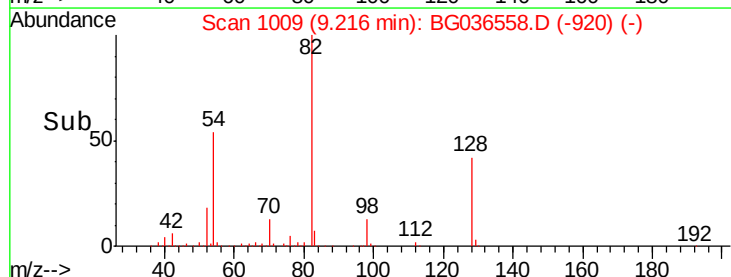
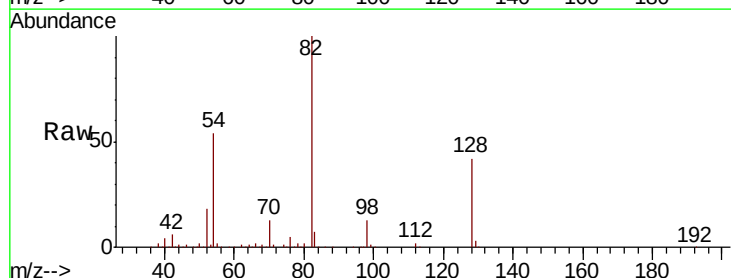
Instrument :  
BNA\_G  
ClientSampleId :

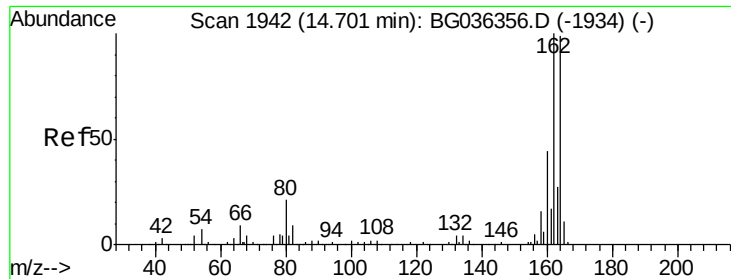
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 260127   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.8  | 8.8 13.2 |
| 54          | 11.1  | 9.2 13.8 |
| 68          | 6.8   | 5.8 8.6  |



#23  
Nitrobenzene-d5  
Concen: 98.470 ng  
RT: 9.22 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: BG036558.D  
Acq: 5 Sep 2018 9:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 472103    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 42.1  | 33.3 49.9 |
| 54          | 54.4  | 45.1 67.7 |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG036558.D

Acq: 5 Sep 2018 9:27

Instrument :

BNA\_G

ClientSampleId :

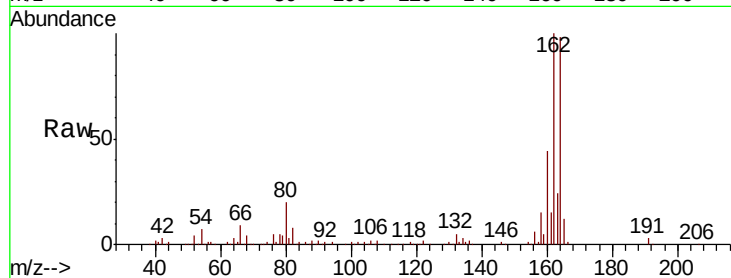
Tot Ion:164 Resp: 170631

Ion Ratio Lower Upper

164 100

162 102.2 80.7 121.1

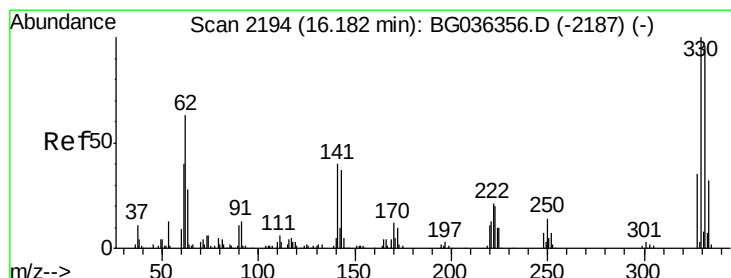
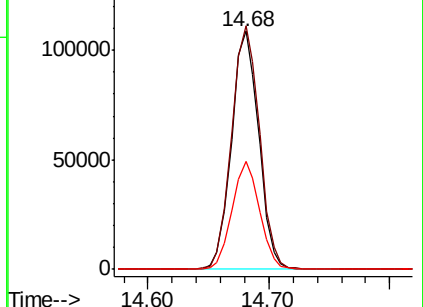
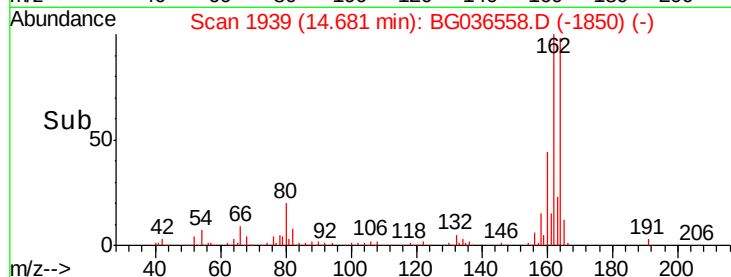
160 45.3 35.3 52.9



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: 98.326 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG036558.D

Acq: 5 Sep 2018 9:27

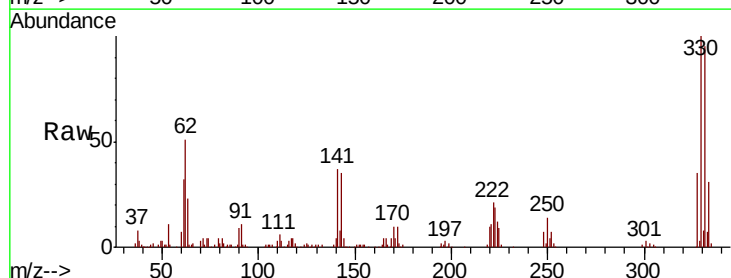
Tgt Ion:330 Resp: 200193

Ion Ratio Lower Upper

330 100

332 96.2 75.4 113.2

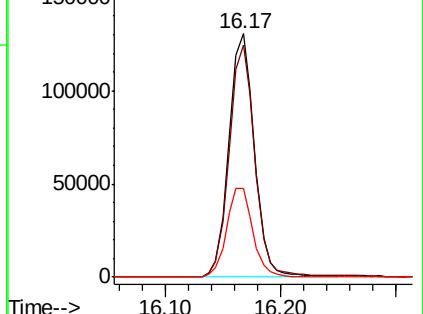
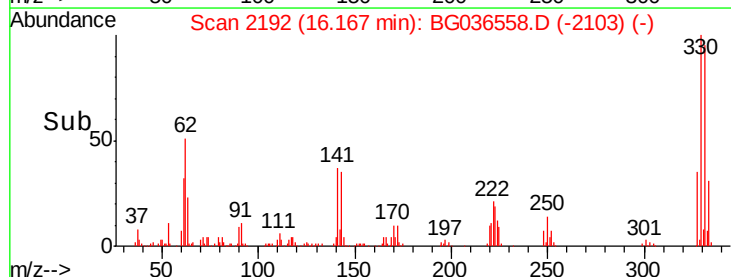
141 37.8 30.7 46.1

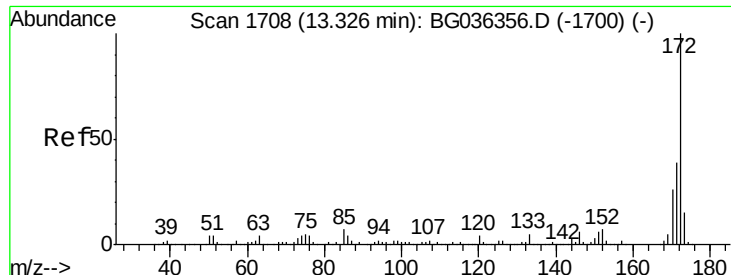


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

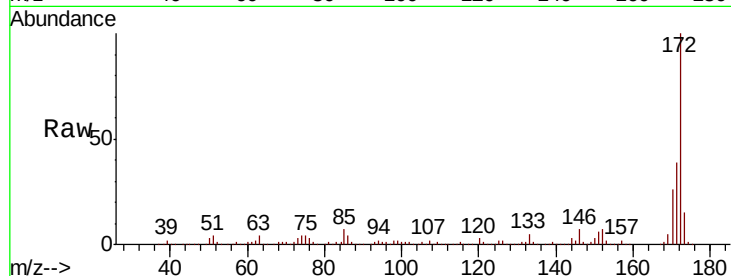




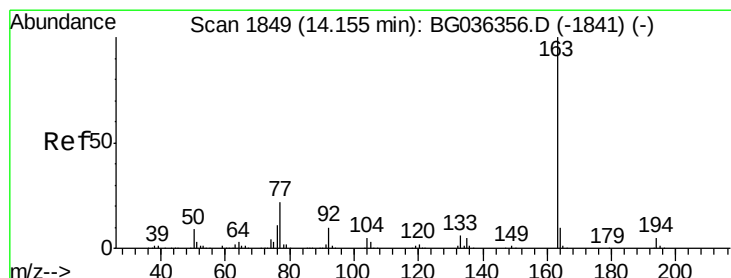
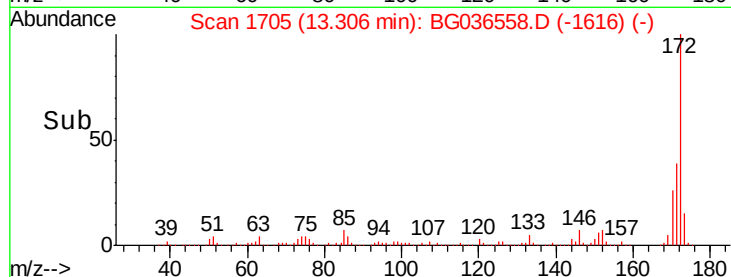
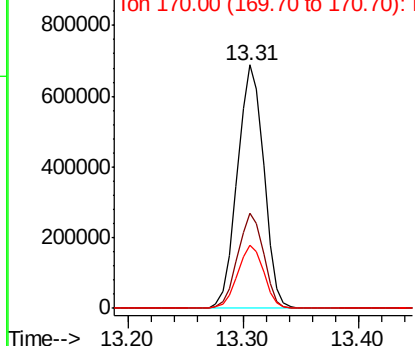
#44  
2-Fluorobiphenyl  
Concen: 91.430 ng  
RT: 13.31 min Scan# 1705  
Delta R.T. -0.00 min  
Lab File: BG036558.D  
Acq: 5 Sep 2018 9:27

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:172 Resp: 1092634  
Ion Ratio Lower Upper  
172 100  
171 39.1 31.3 46.9  
170 25.8 21.0 31.6

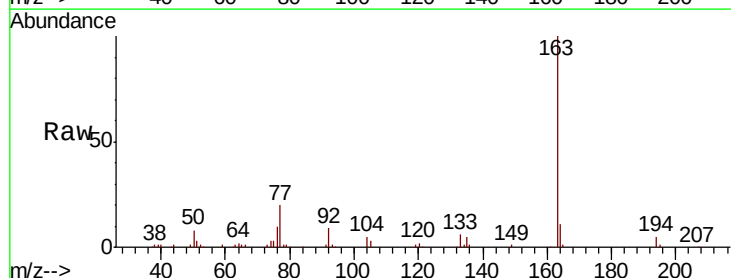


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

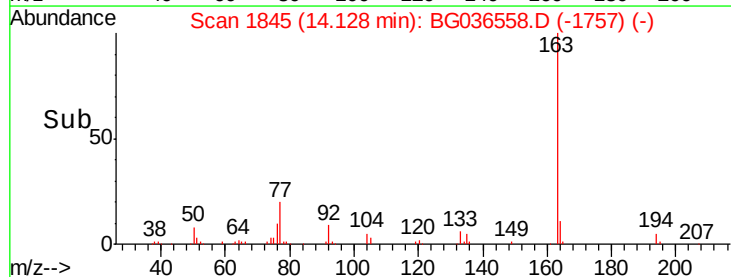
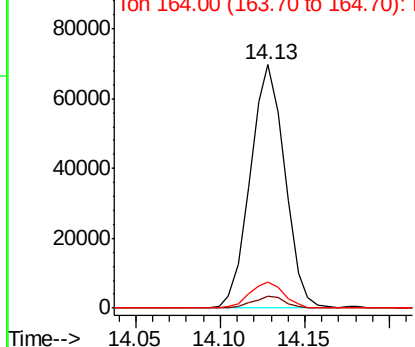


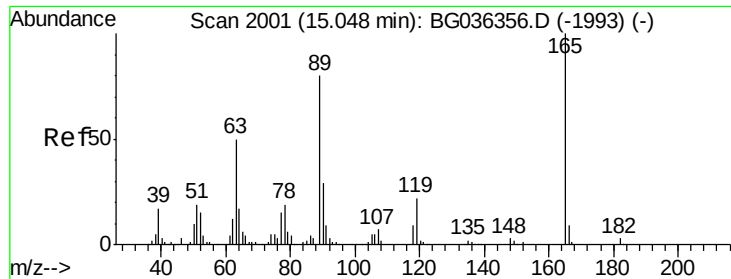
#49  
Dimethylphthalate  
Concen: 7.138 ng  
RT: 14.13 min Scan# 1845  
Delta R.T. -0.01 min  
Lab File: BG036558.D  
Acq: 5 Sep 2018 9:27

Tgt Ion:163 Resp: 99451  
Ion Ratio Lower Upper  
163 100  
194 5.1 4.0 6.0  
164 10.9 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

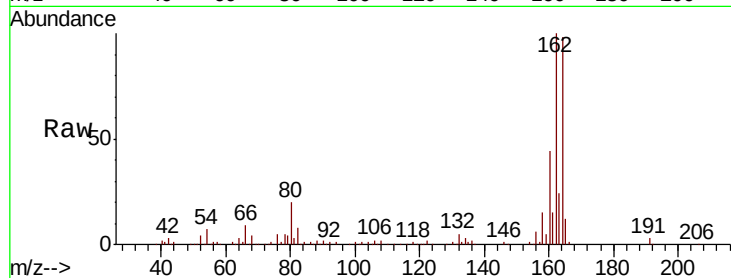




#56  
 2,4-Dinitrotoluene  
 Concen: 5.747 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. -0.36 min  
 Lab File: BG036558.D  
 Acq: 5 Sep 2018 9:27

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.8   | 40.1  | 60.1# |
| 89      | 2.1   | 63.7  | 95.5# |
| 182     | 0.0   | 2.5   | 3.7#  |



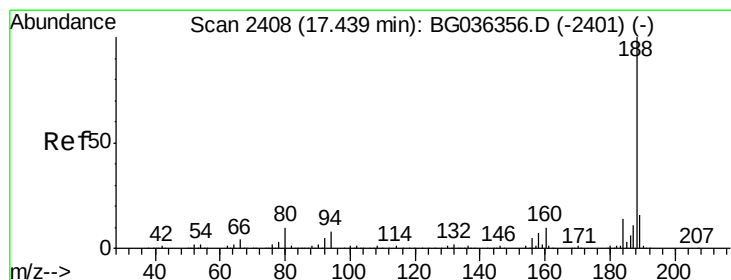
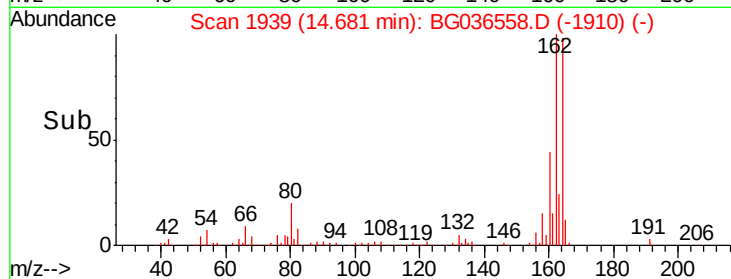
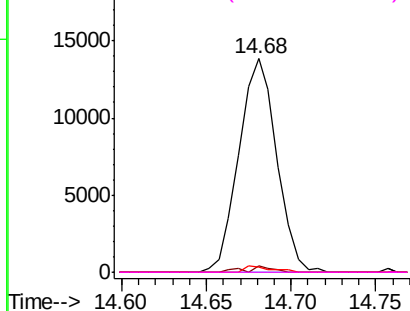
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

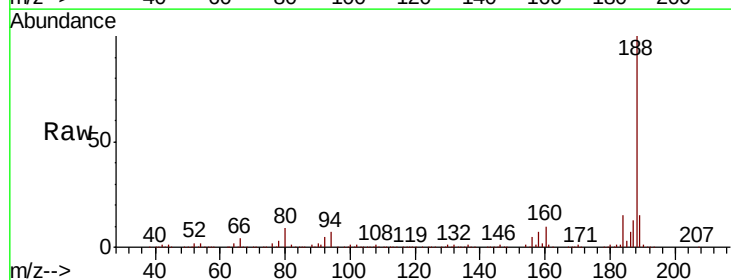
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2406  
 Delta R.T. -0.00 min  
 Lab File: BG036558.D  
 Acq: 5 Sep 2018 9:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.3   | 6.7   | 10.1  |
| 80      | 9.0   | 8.1   | 12.1  |

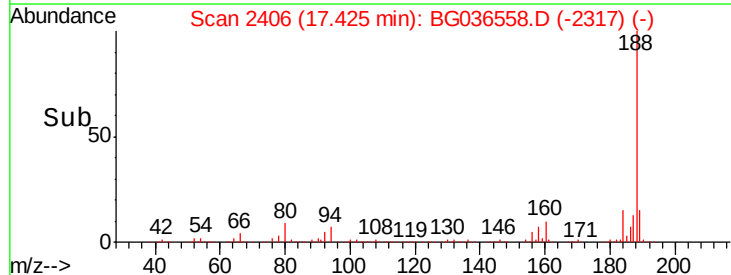
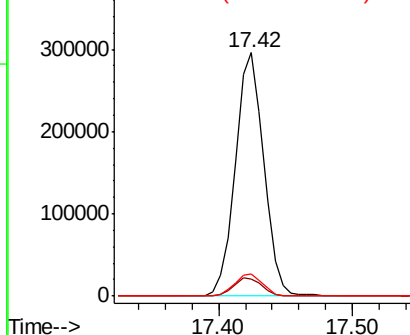


Abundance

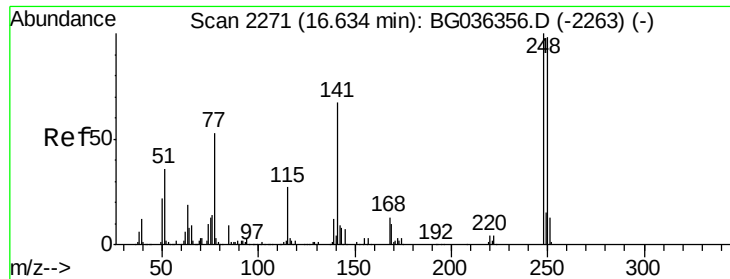
Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



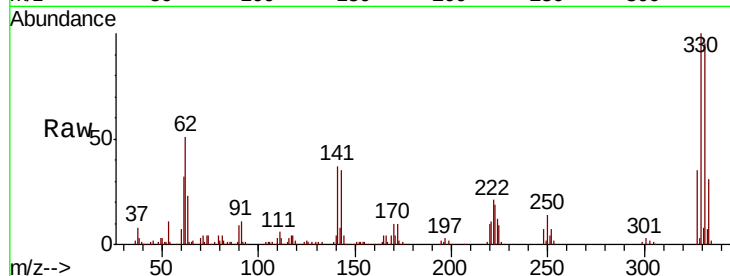




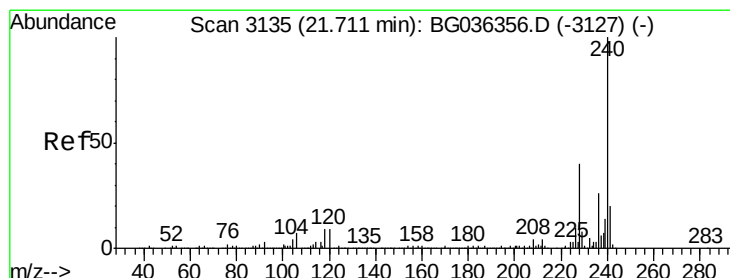
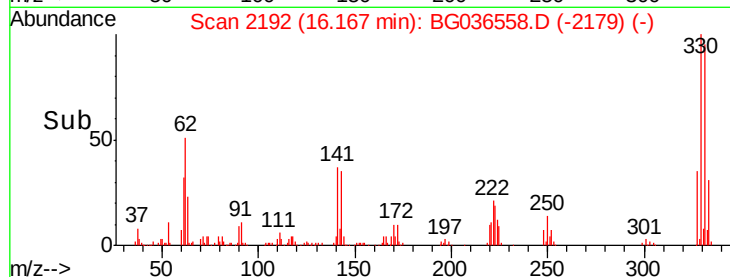
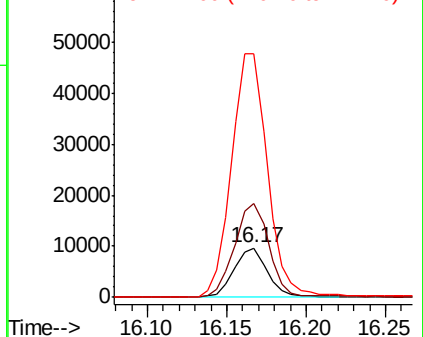
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.776 ng  
 RT: 16.17 min Scan# 2192  
 Delta R.T. -0.45 min  
 Lab File: BG036558.D  
 Acq: 5 Sep 2018 9:27

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 14231  
 Ion Ratio Lower Upper  
 248 100  
 250 190.3 78.1 117.1#  
 141 495.9 53.7 80.5#

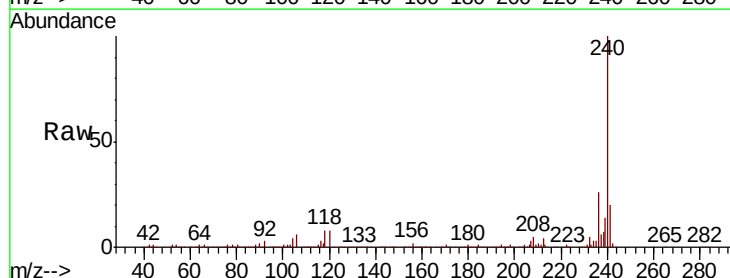


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

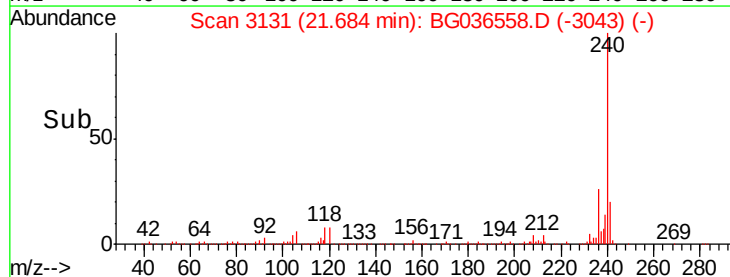
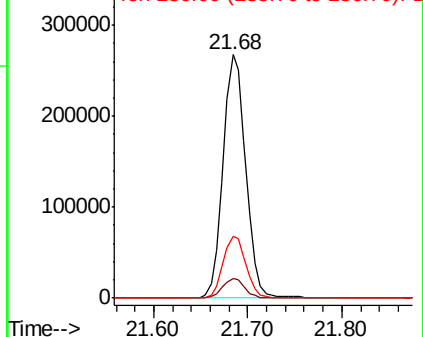


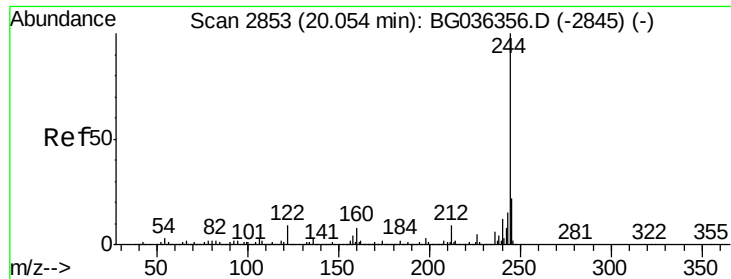
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.68 min Scan# 3131  
 Delta R.T. -0.01 min  
 Lab File: BG036558.D  
 Acq: 5 Sep 2018 9:27

Tgt Ion:240 Resp: 449072  
 Ion Ratio Lower Upper  
 240 100  
 120 8.2 6.9 10.3  
 236 25.5 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: 83.188 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036558.D

Acq: 5 Sep 2018 9:27

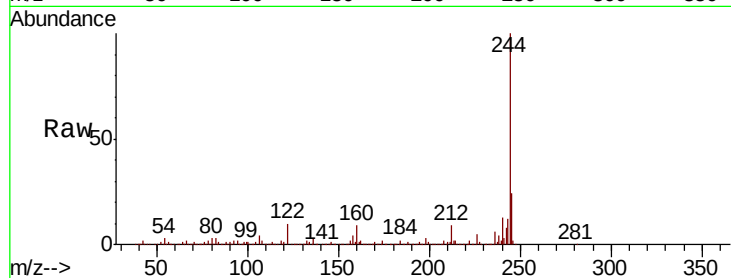
Instrument :

BNA\_G

ClientSampled :

Tot Ion:244 Resp: 1598277

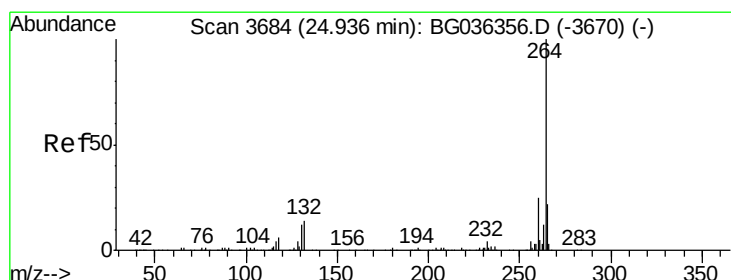
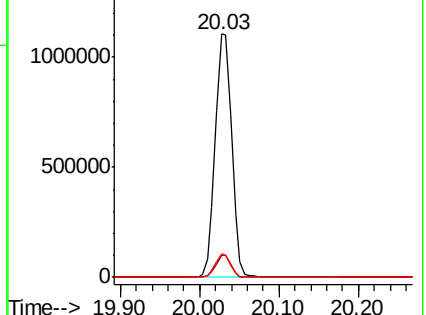
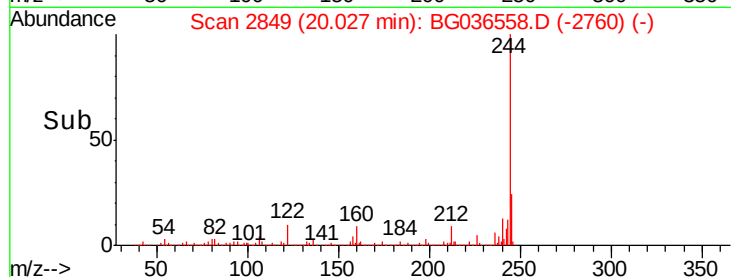
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.3   | 7.0   | 10.6  |
| 122 | 9.6   | 7.1   | 10.7  |



Abundance Ion 244.00 (243.70 to 244.70): E

1500000 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: 24.90 min Scan# 3678

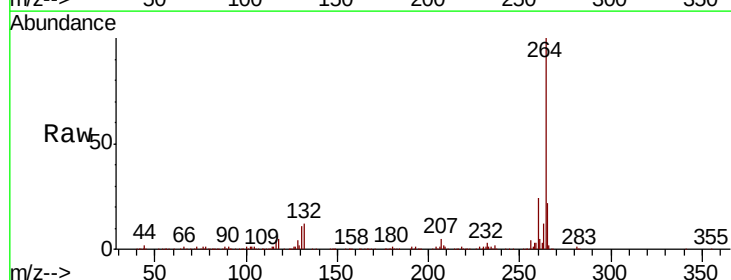
Delta R.T. -0.00 min

Lab File: BG036558.D

Acq: 5 Sep 2018 9:27

Tgt Ion:264 Resp: 450057

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.6  | 29.4  |
| 265 | 22.0  | 17.4  | 26.0  |



Abundance Ion 264.00 (263.70 to 264.70): E

200000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

