

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092418\  
 Data File : BG036921.D  
 Acq On : 24 Sep 2018 17:13  
 Operator : JU/SJ  
 Sample : J5044-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 24 19:02:09 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

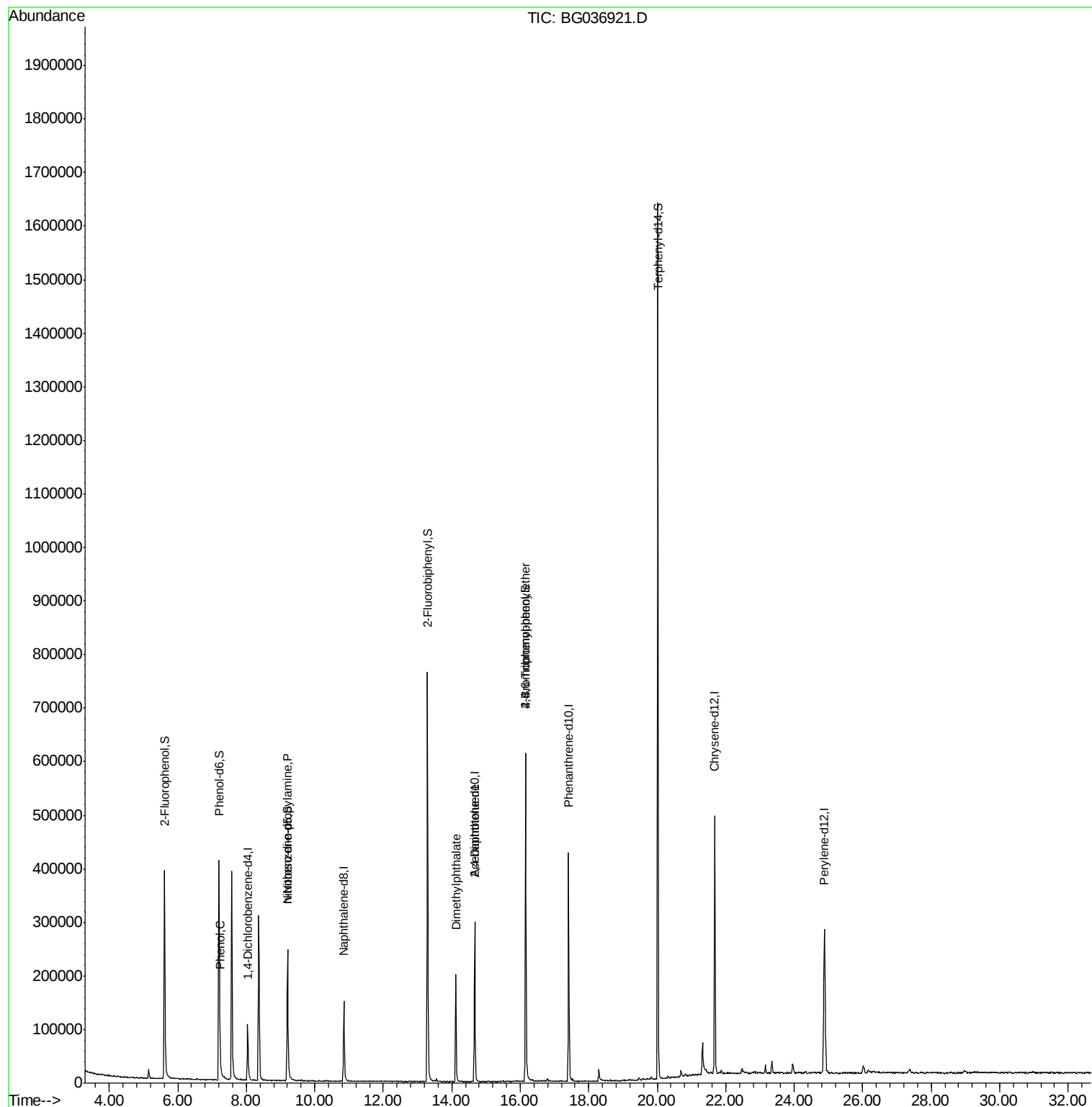
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.04  | 152  | 34068    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.85 | 136  | 156049   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.67 | 164  | 108042   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.41 | 188  | 294963   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.68 | 240  | 309281   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 24.88 | 264  | 307335   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 193012   | 108.65 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.20  | 99   | 282146   | 102.66 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.20  | 82   | 181191   | 62.18  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.16 | 330  | 120858   | 93.50  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 13.29 | 172  | 452084   | 62.32  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.02 | 244  | 839444   | 71.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.23  | 94   | 11191    | 3.945  | ng    | # 64     |
| 19) n-Nitroso-di-n-propylamine | 9.20  | 70   | 24504    | 10.717 | ng    | # 72     |
| 49) Dimethylphthalate          | 14.12 | 163  | 149648   | 17.208 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 14.67 | 165  | 13856    | 5.233  | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 8696     | 2.592  | ng    | # 1      |

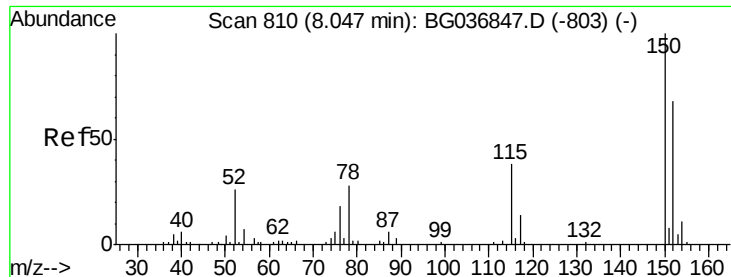
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092418\  
Data File : BG036921.D  
Acq On : 24 Sep 2018 17:13  
Operator : JU/SJ  
Sample : J5044-04  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Sep 24 19:02:09 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



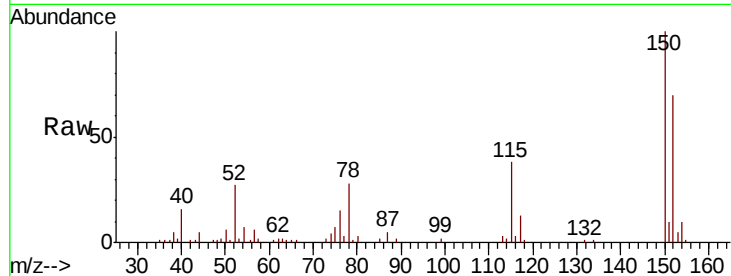


#1

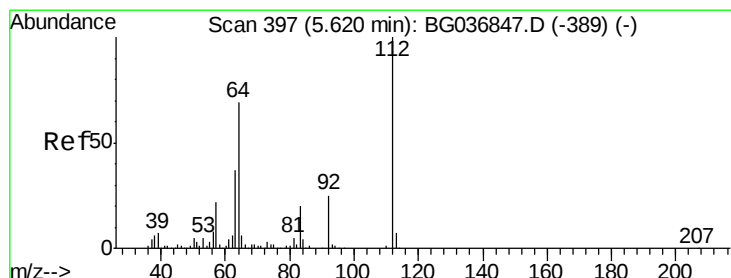
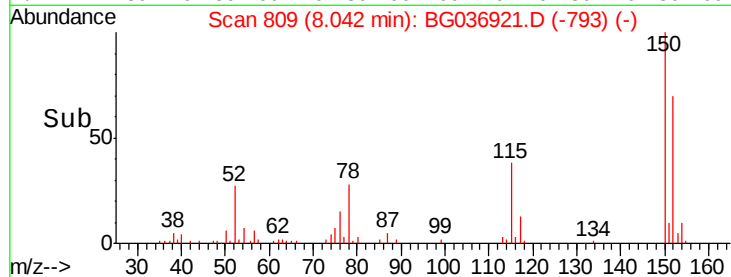
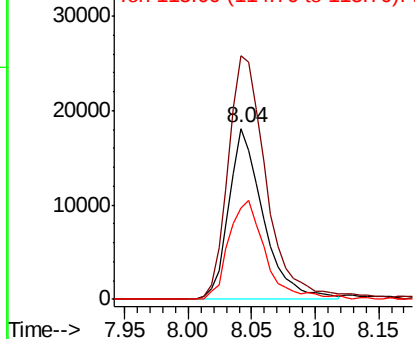
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BG036921.D  
Acq: 24 Sep 2018 17:13

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 34068  
Ion Ratio Lower Upper  
152 100  
150 142.4 119.5 179.3  
115 53.6 44.5 66.7



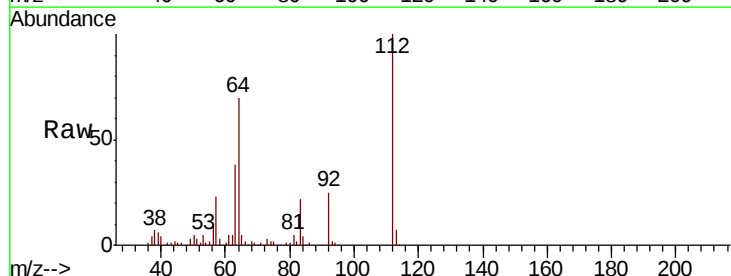
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



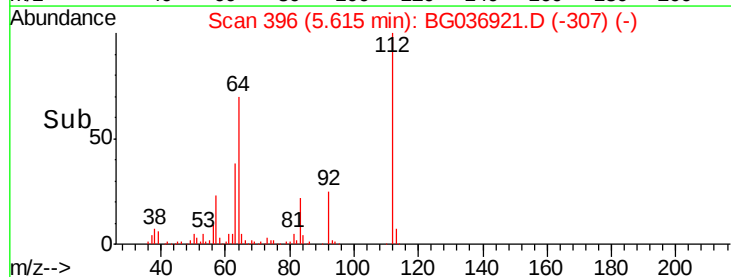
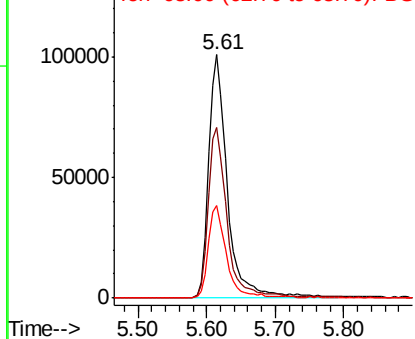
#5

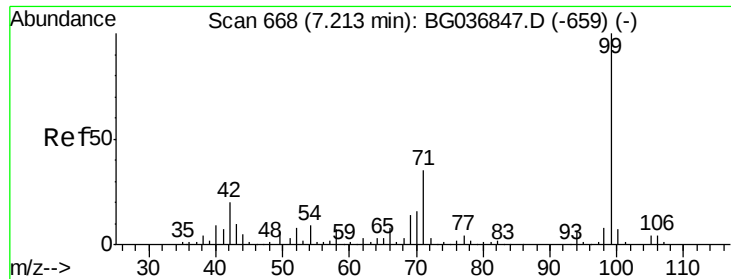
2-Fluorophenol  
Concen: 108.652 ng  
RT: 5.61 min Scan# 396  
Delta R.T. -0.01 min  
Lab File: BG036921.D  
Acq: 24 Sep 2018 17:13

Tgt Ion:112 Resp: 193012  
Ion Ratio Lower Upper  
112 100  
64 69.9 57.2 85.8  
63 38.2 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: 102.657 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036921.D

Acq: 24 Sep 2018 17:13

Instrument :

BNA\_G

ClientSampleId :

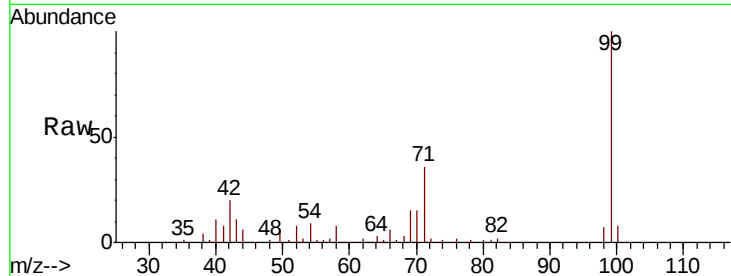
Tot Ion: 99 Resp: 282146

Ion Ratio Lower Upper

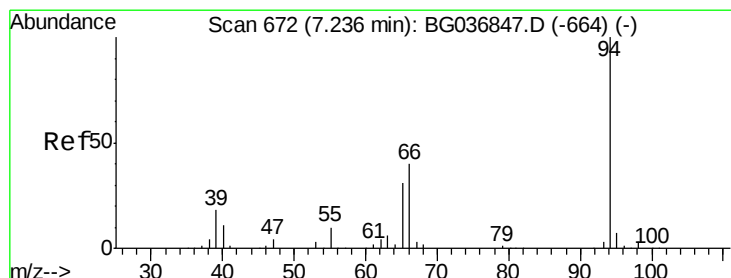
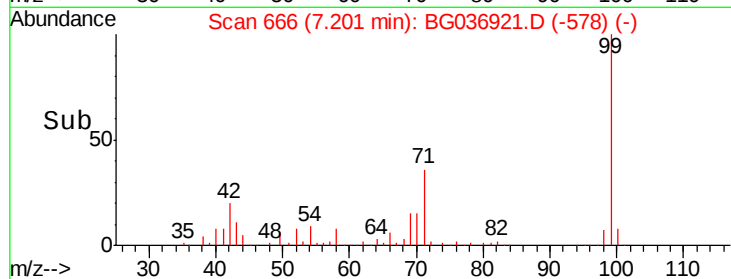
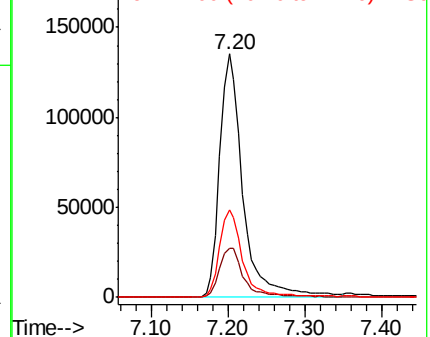
99 100

42 20.4 16.5 24.7

71 36.0 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



#10

Phenol

Concen: 3.945 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG036921.D

Acq: 24 Sep 2018 17:13

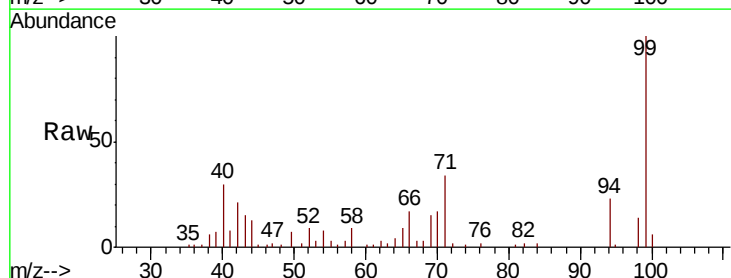
Tgt Ion: 94 Resp: 11191

Ion Ratio Lower Upper

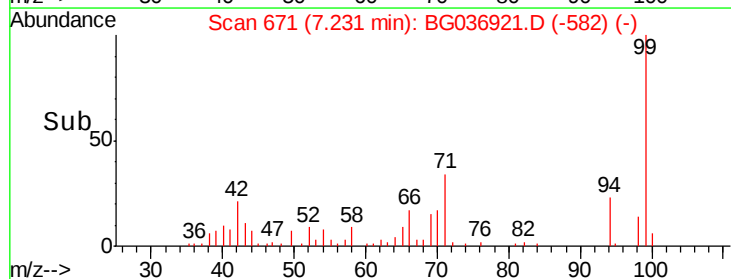
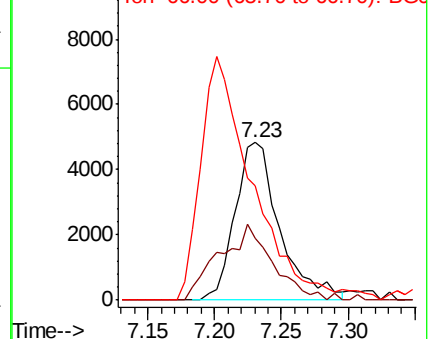
94 100

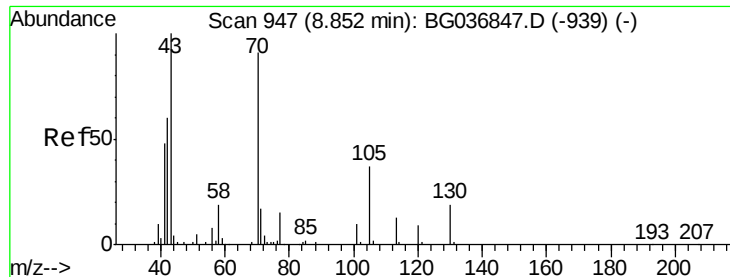
65 39.4 11.5 51.5

66 72.6 19.5 59.5#



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

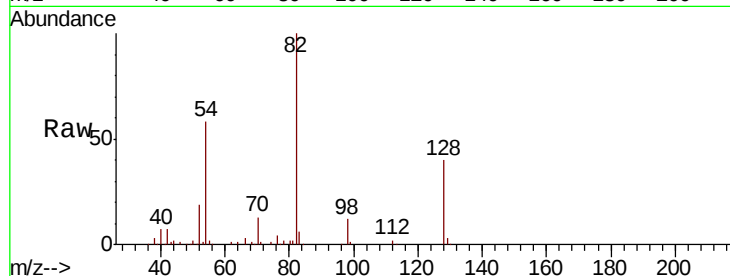




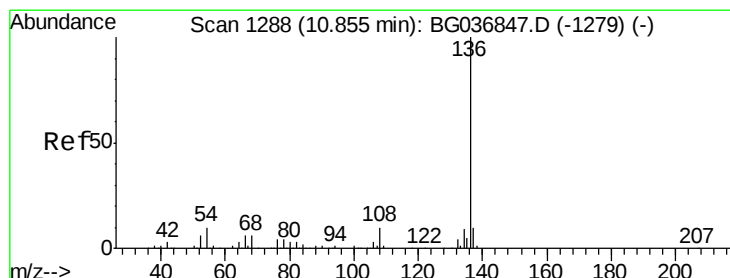
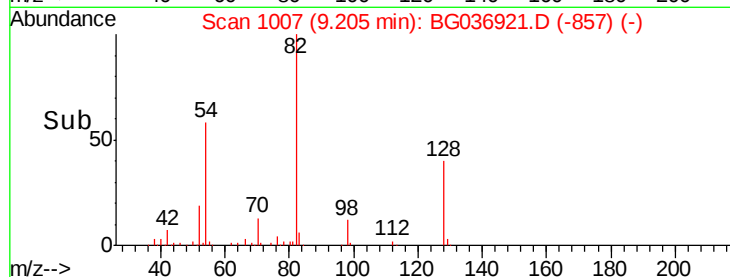
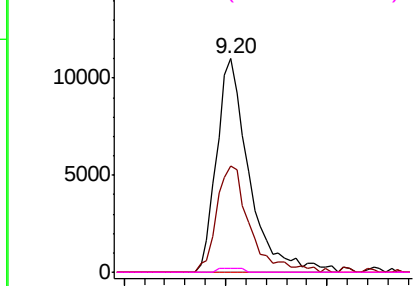
#19  
n-Nitroso-di-n-propylamine  
Concen: 10.717 ng  
RT: 9.20 min Scan# 1007  
Delta R.T. 0.35 min  
Lab File: BG036921.D  
Acq: 24 Sep 2018 17:13

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 70 Resp: 24504  
Ion Ratio Lower Upper  
70 100  
42 49.8 56.2 84.4#  
101 0.0 7.8 11.6#  
130 1.6 16.2 24.2#

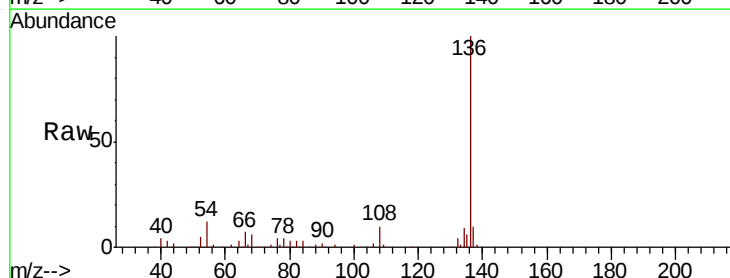


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

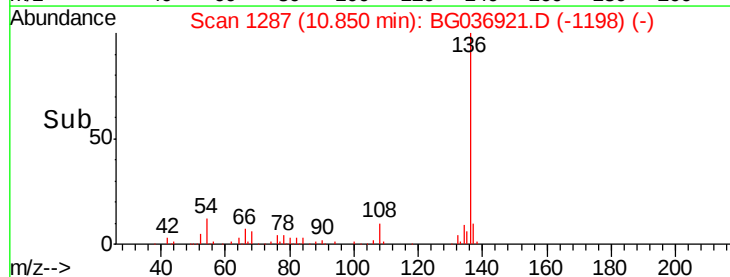
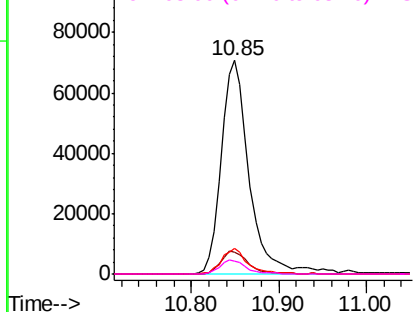


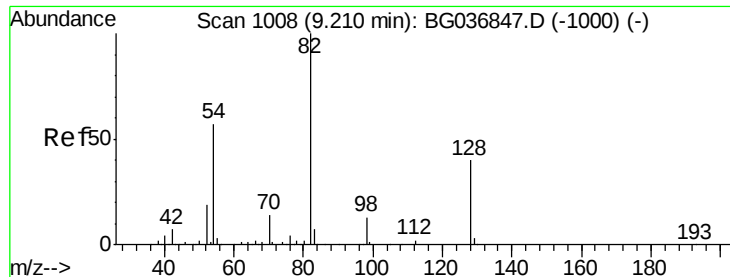
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.85 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: BG036921.D  
Acq: 24 Sep 2018 17:13

Tgt Ion:136 Resp: 156049  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.8 13.2  
54 11.8 9.2 13.8  
68 6.1 5.8 8.6



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

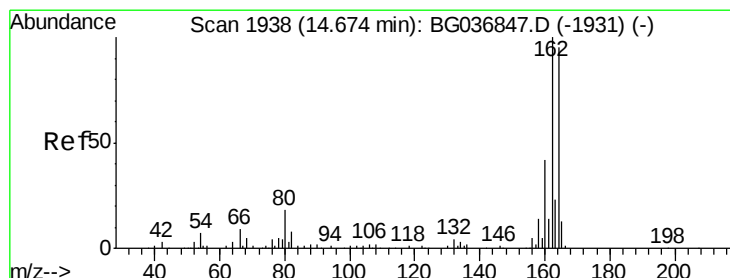
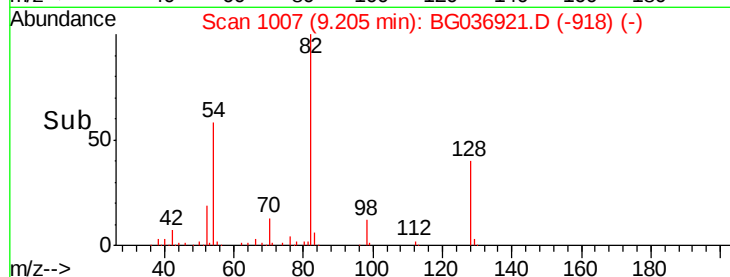
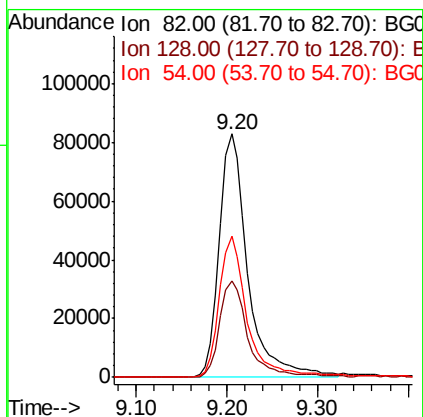
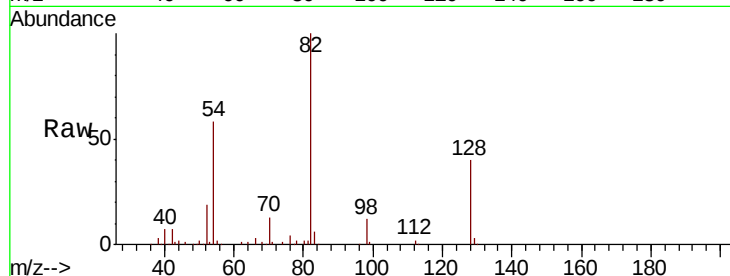




#23  
 Nitrobenzene-d5  
 Concen: 62.179 ng  
 RT: 9.20 min Scan# 1007  
 Delta R.T. -0.01 min  
 Lab File: BG036921.D  
 Acq: 24 Sep 2018 17:13

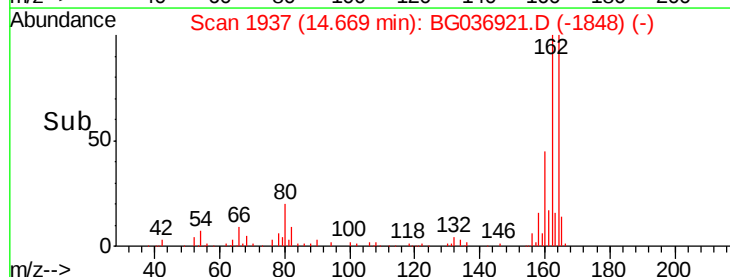
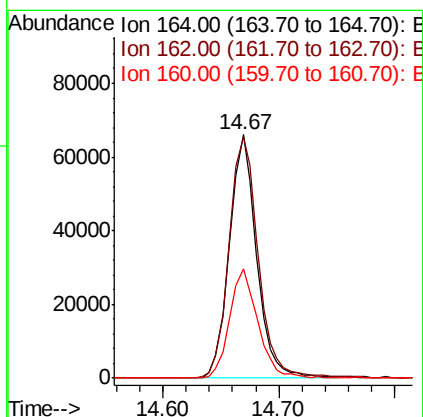
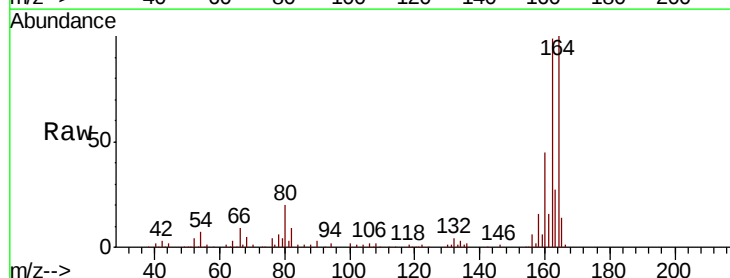
Instrument :  
 BNA\_G  
 ClientSampled :

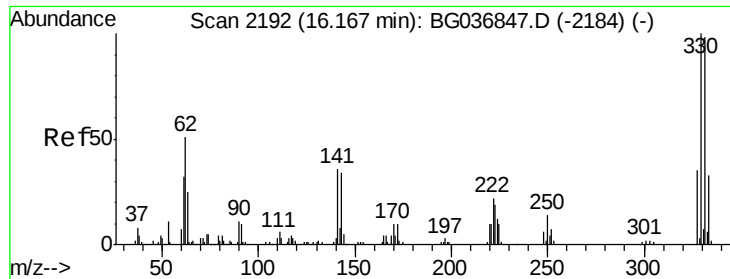
| Tot Ion   | 82   | Resp  | 181191 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 39.6 | 33.3  | 49.9   |
| 54        | 57.8 | 45.1  | 67.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1937  
 Delta R.T. -0.01 min  
 Lab File: BG036921.D  
 Acq: 24 Sep 2018 17:13

| Tgt Ion   | 164  | Resp  | 108042 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 162       | 99.1 | 80.7  | 121.1  |
| 160       | 45.0 | 35.3  | 52.9   |

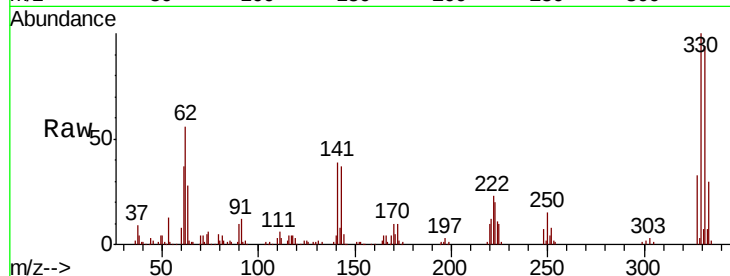




#41  
 2,4,6-Tribromophenol  
 Concen: 93.496 ng  
 RT: 16.16 min Scan# 2190  
 Delta R.T. -0.01 min  
 Lab File: BG036921.D  
 Acq: 24 Sep 2018 17:13

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 75.4  | 113.2 |
| 141     | 39.7  | 30.7  | 46.1  |

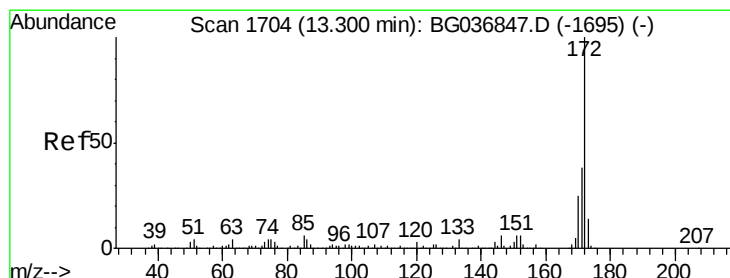
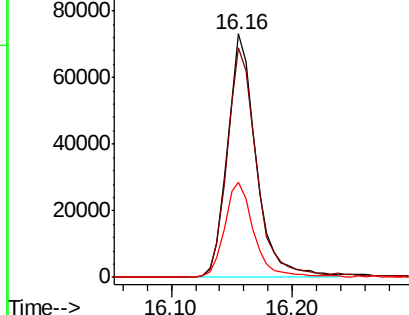
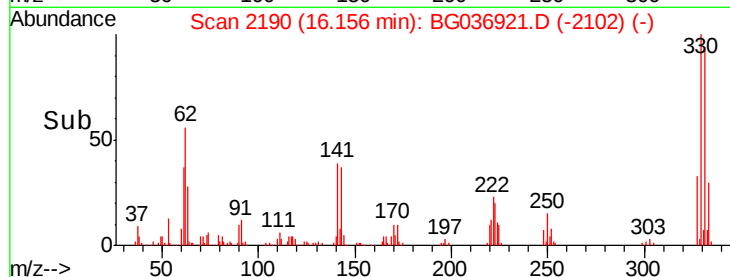


Abundance

Ion 329.80 (329.50 to 330.50): E

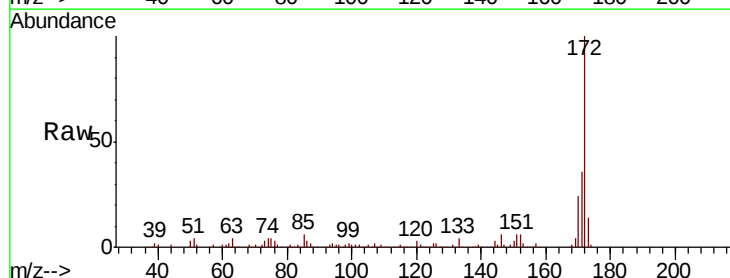
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 62.321 ng  
 RT: 13.29 min Scan# 1703  
 Delta R.T. -0.01 min  
 Lab File: BG036921.D  
 Acq: 24 Sep 2018 17:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 31.3  | 46.9  |
| 170     | 24.4  | 21.0  | 31.6  |

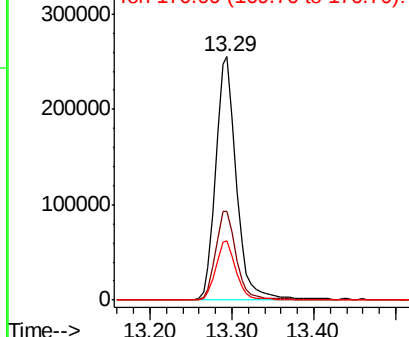
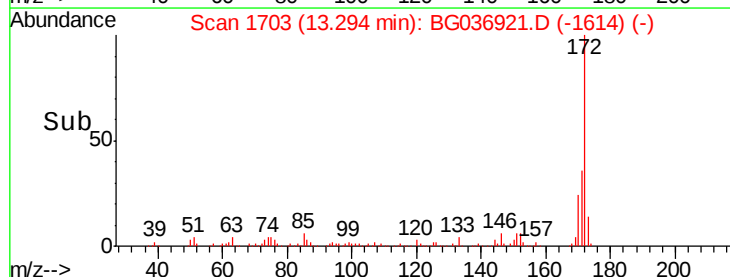


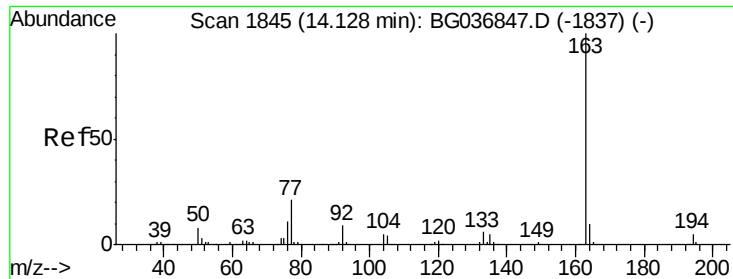
Abundance

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: 17.208 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BG036921.D

Acq: 24 Sep 2018 17:13

Instrument :

BNA\_G

ClientSampleId :

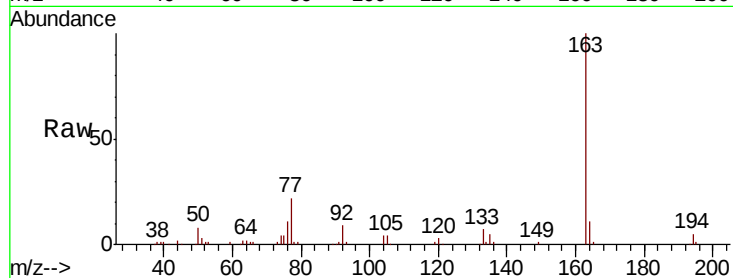
Tot Ion:163 Resp: 149648

Ion Ratio Lower Upper

163 100

194 4.9 4.0 6.0

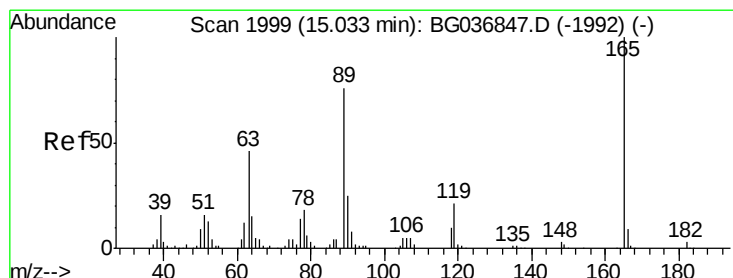
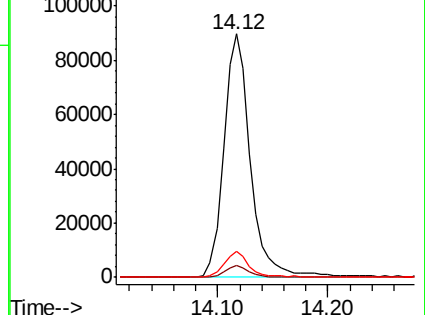
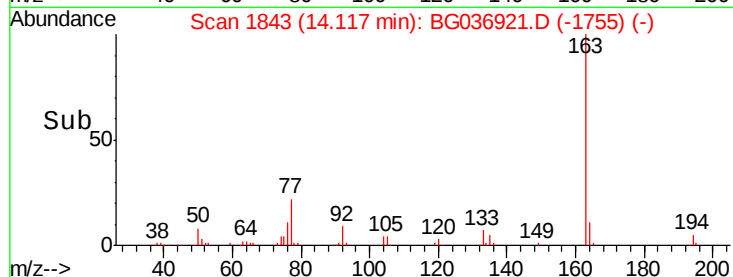
164 10.8 8.1 12.1



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: 5.233 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.36 min

Lab File: BG036921.D

Acq: 24 Sep 2018 17:13

Tgt Ion:165 Resp: 13856

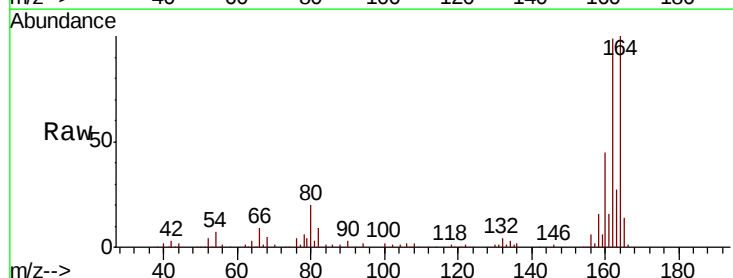
Ion Ratio Lower Upper

165 100

63 1.9 40.1 60.1#

89 0.0 63.7 95.5#

182 0.0 2.5 3.7#

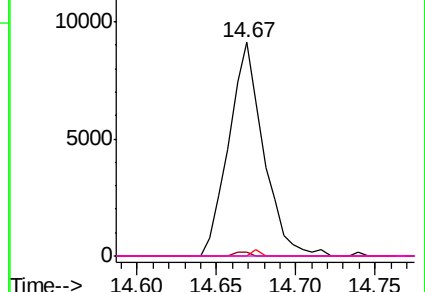
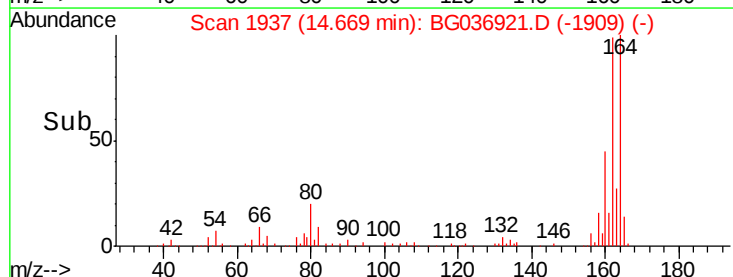


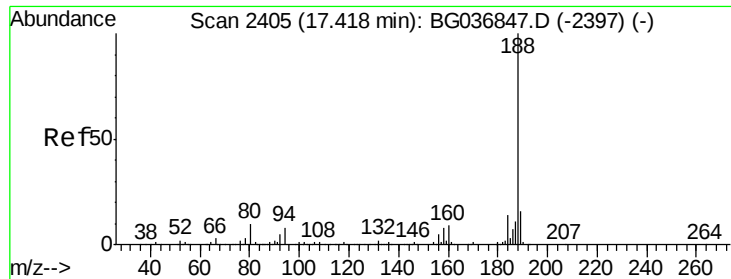
Abundance Ion 165.00 (164.70 to 165.70): E

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

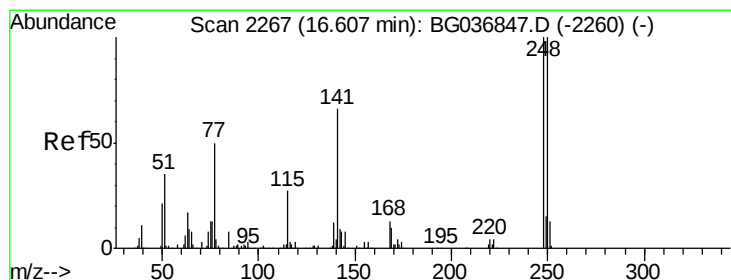
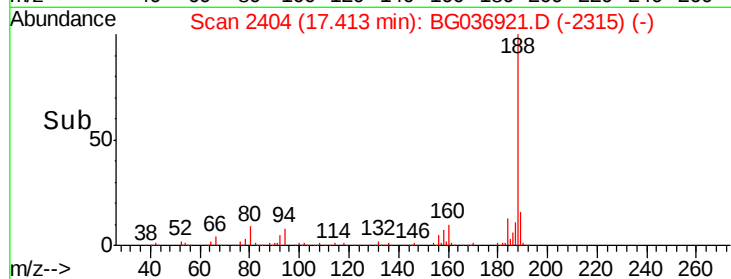
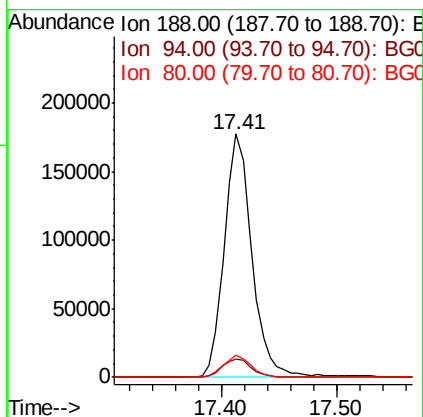
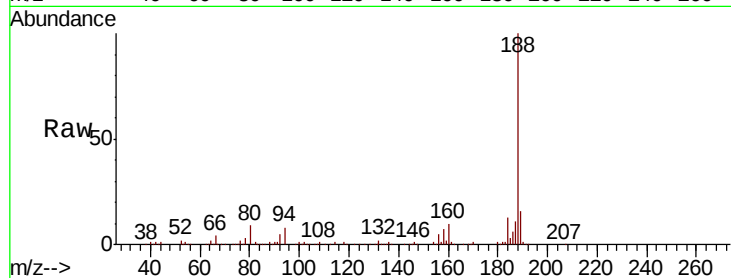




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.41 min Scan# 2404  
 Delta R.T. -0.01 min  
 Lab File: BG036921.D  
 Acq: 24 Sep 2018 17:13

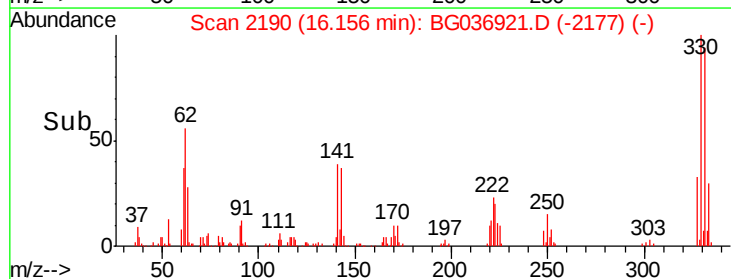
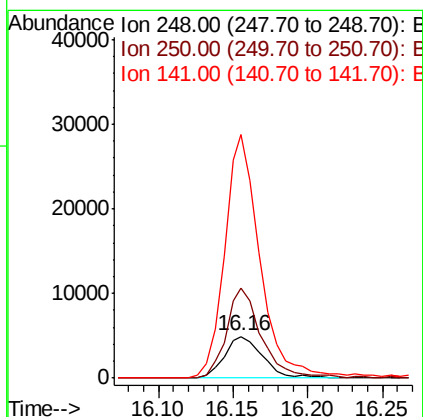
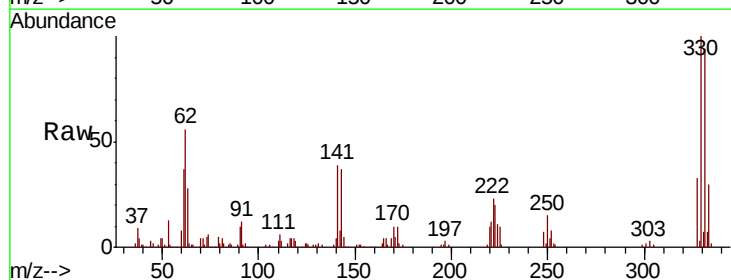
Instrument :  
 BNA\_G  
 ClientSampleId :

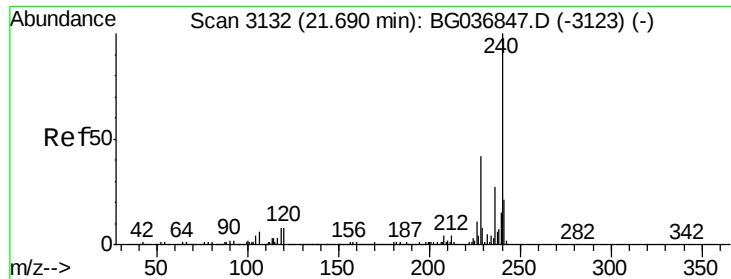
Tot Ion:188 Resp: 294963  
 Ion Ratio Lower Upper  
 188 100  
 94 7.6 6.7 10.1  
 80 9.1 8.1 12.1



#66  
 4-Bromophenyl-phenylether  
 Concen: 2.592 ng  
 RT: 16.16 min Scan# 2190  
 Delta R.T. -0.45 min  
 Lab File: BG036921.D  
 Acq: 24 Sep 2018 17:13

Tgt Ion:248 Resp: 8696  
 Ion Ratio Lower Upper  
 248 100  
 250 218.2 78.1 117.1#  
 141 587.3 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG036921.D

Acq: 24 Sep 2018 17:13

Instrument :

BNA\_G

ClientSampleId :

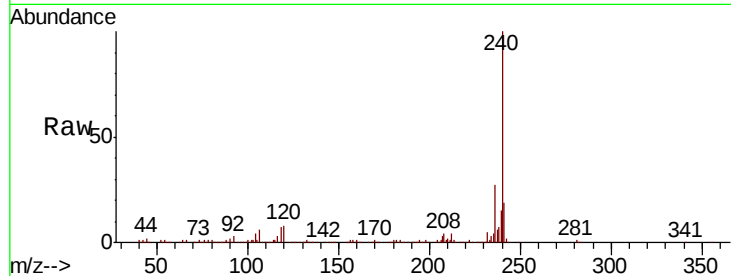
Tot Ion:240 Resp: 309281

Ion Ratio Lower Upper

240 100

120 8.4 6.9 10.3

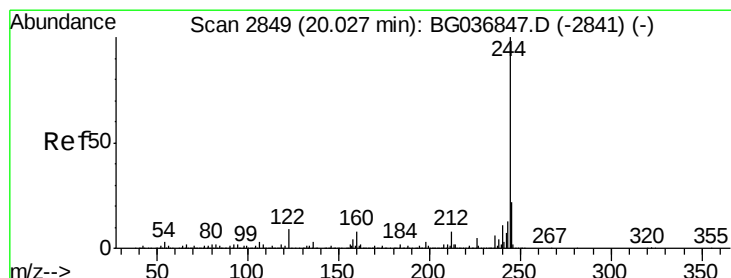
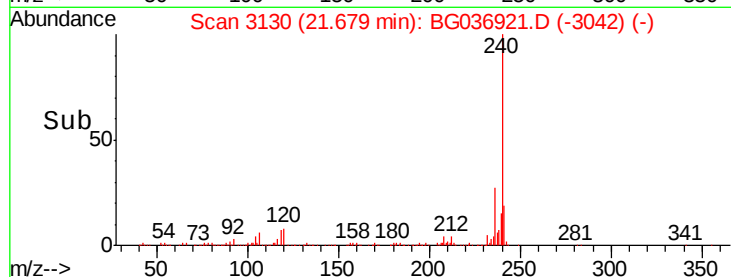
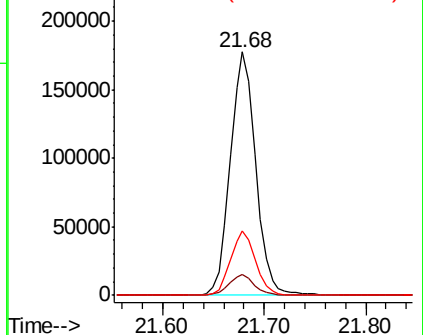
236 26.6 21.2 31.8



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: 71.369 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036921.D

Acq: 24 Sep 2018 17:13

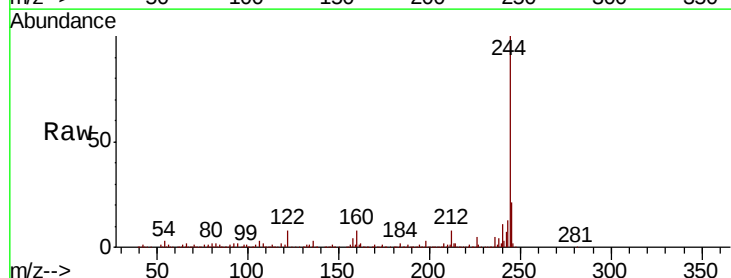
Tgt Ion:244 Resp: 839444

Ion Ratio Lower Upper

244 100

212 7.7 7.0 10.6

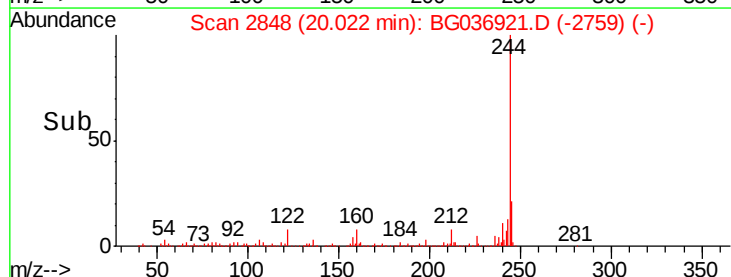
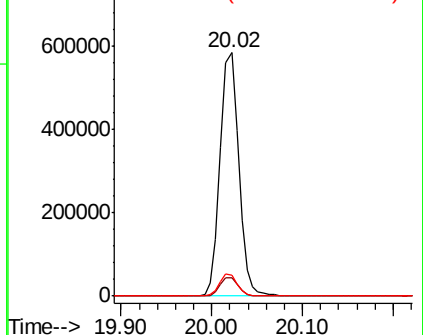
122 8.5 7.1 10.7

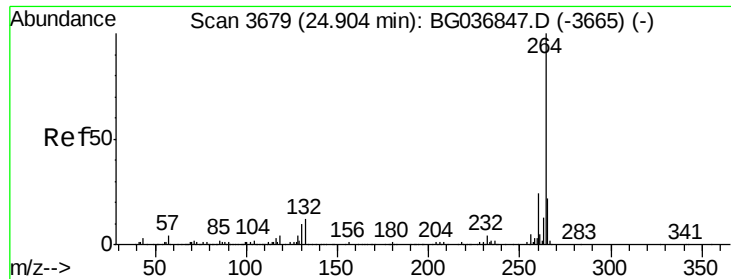


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.88 min Scan# 3675  
Delta R.T. -0.02 min  
Lab File: BG036921.D  
Acq: 24 Sep 2018 17:13

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 19.6  | 29.4  |
| 265     | 21.2  | 17.4  | 26.0  |

