

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080118\  
 Data File : BG036042.D  
 Acq On : 1 Aug 2018 20:30  
 Operator : JU/SJ  
 Sample : J4256-08  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 02 08:23:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 2018  
 Response via : Initial Calibration

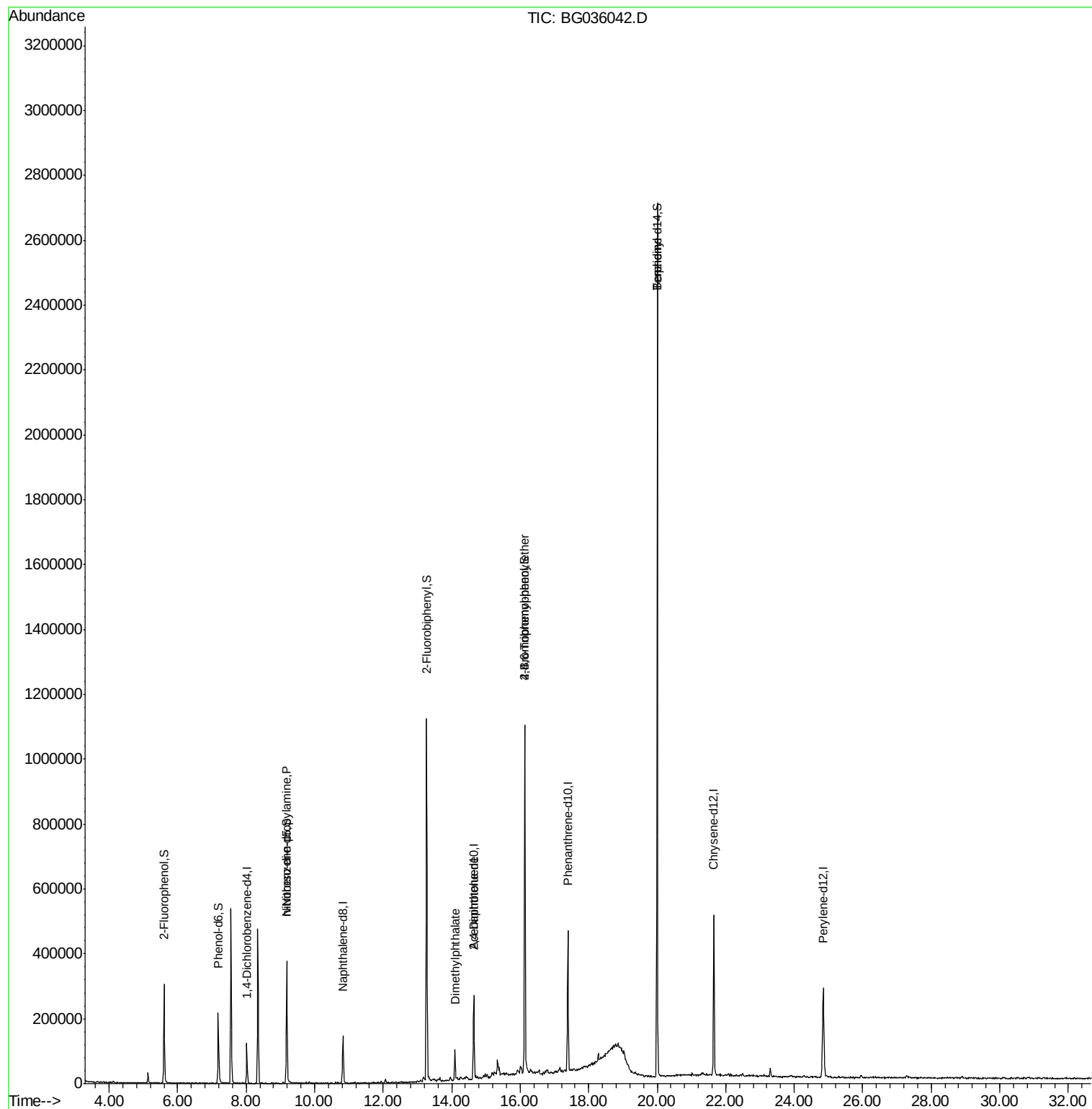
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.02  | 152  | 34454    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.82 | 136  | 128756   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.64 | 164  | 93699    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.39 | 188  | 273388   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.65 | 240  | 323152   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.84 | 264  | 311516   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 142994   | 68.90  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.19  | 99   | 141167   | 45.59  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.18  | 82   | 265680   | 86.20  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.13 | 330  | 196373   | 159.00 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.27 | 172  | 601958   | 86.07  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.00 | 244  | 1245635  | 84.97  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.18  | 70   | 36292    | 13.919 | ng    | # 68     |
| 49) Dimethylphthalate          | 14.09 | 163  | 67645    | 8.240  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 14.65 | 165  | 13517    | 5.636  | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 16.13 | 248  | 15703    | 4.951  | ng    | # 1      |
| 76) Benzidine                  | 20.00 | 184  | 22658    | 2.667  | ng    | # 91     |

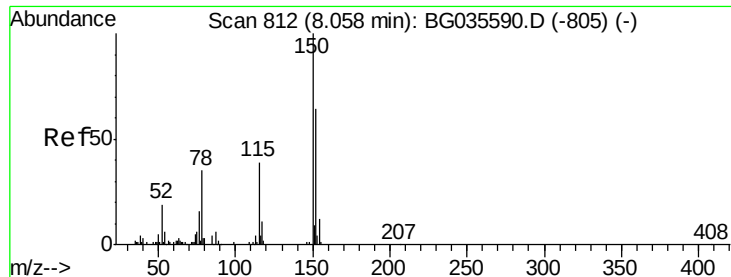
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080118\  
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Sample : J4256-08  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Aug 02 08:23:29 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 31 12:30:06 2018  
Response via : Initial Calibration



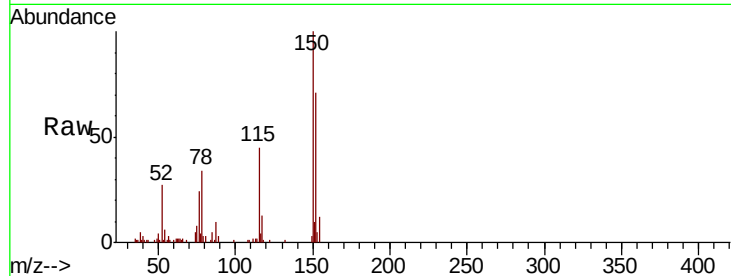


#1

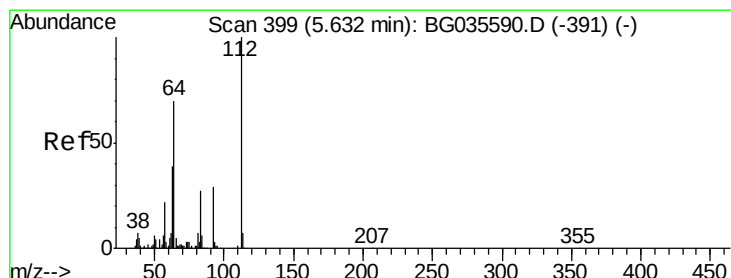
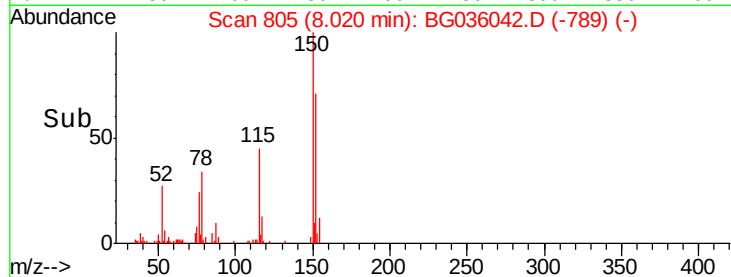
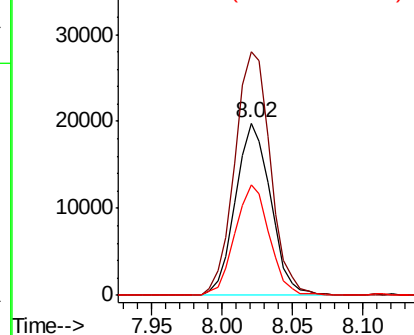
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 805  
Delta R.T. -0.00 min  
Lab File: BG036042.D  
Acq: 1 Aug 2018 20:30

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 34454  
Ion Ratio Lower Upper  
152 100  
150 141.6 126.6 189.8  
115 64.4 53.0 79.4



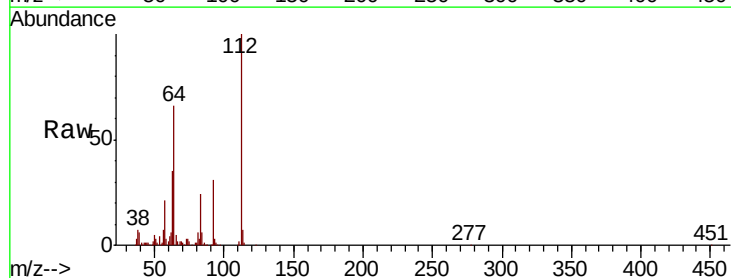
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



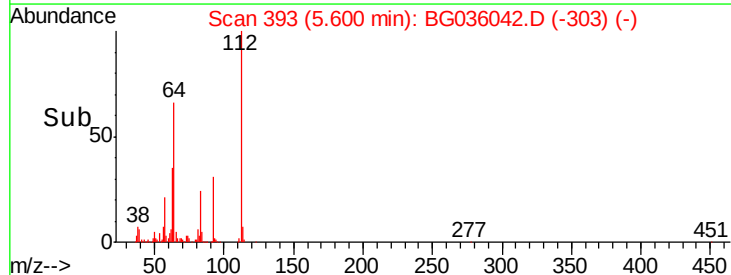
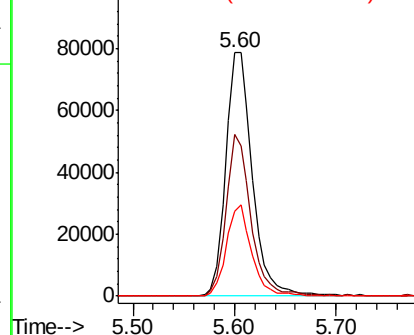
#5

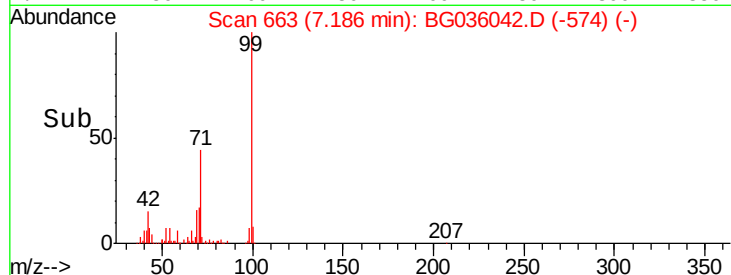
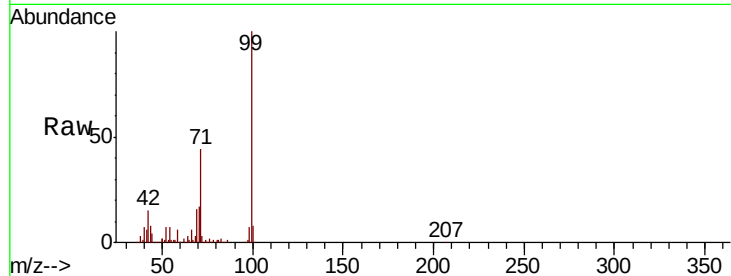
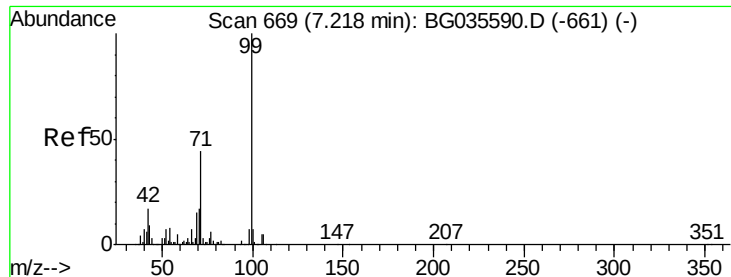
2-Fluorophenol  
Concen: 68.905 ng  
RT: 5.60 min Scan# 393  
Delta R.T. -0.00 min  
Lab File: BG036042.D  
Acq: 1 Aug 2018 20:30

Tgt Ion:112 Resp: 142994  
Ion Ratio Lower Upper  
112 100  
64 66.3 56.3 84.5  
63 34.7 30.1 45.1



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: 45.593 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036042.D

Acq: 1 Aug 2018 20:30

Instrument :

BNA\_G

ClientSampled :

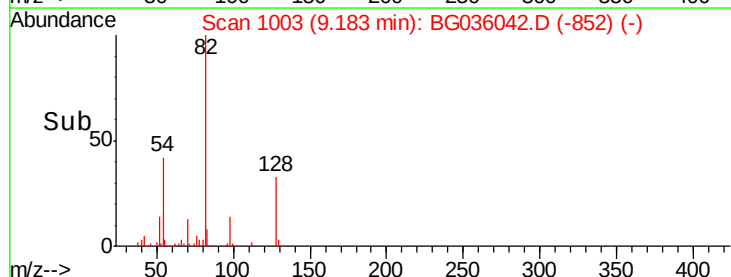
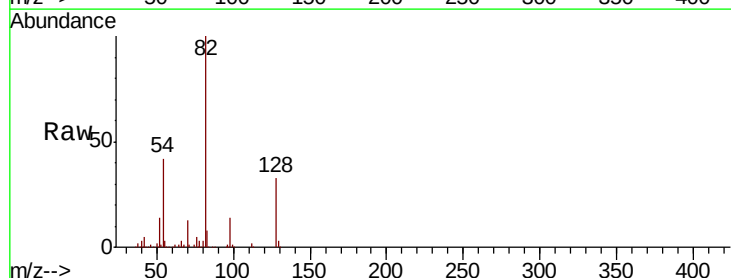
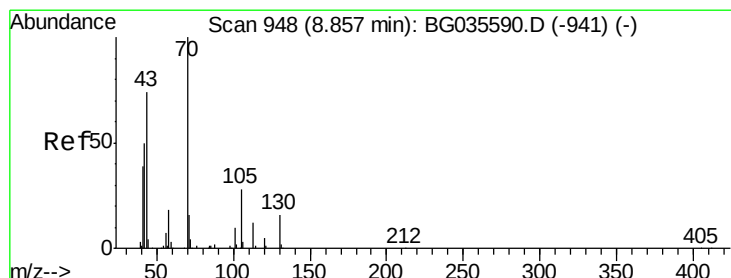
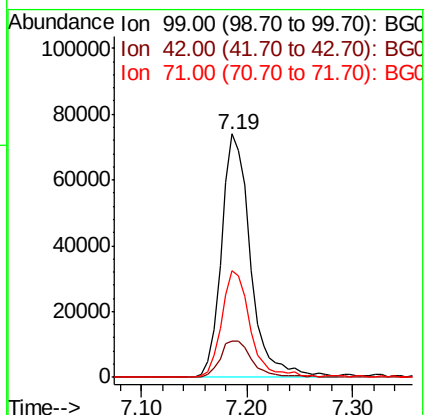
Tot Ion: 99 Resp: 141167

Ion Ratio Lower Upper

99 100

42 14.8 14.1 21.1

71 43.9 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.919 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036042.D

Acq: 1 Aug 2018 20:30

Tgt Ion: 70 Resp: 36292

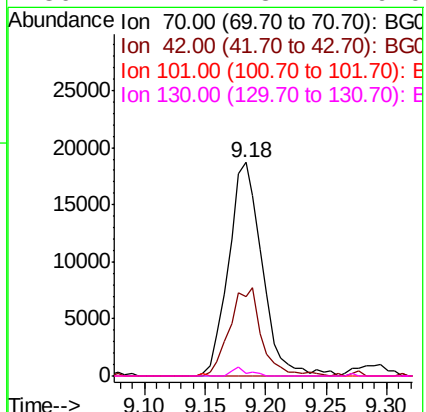
Ion Ratio Lower Upper

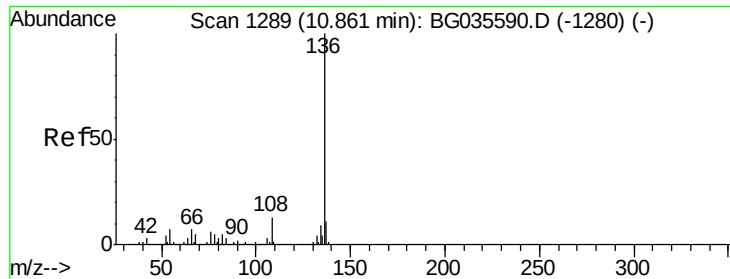
70 100

42 36.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#

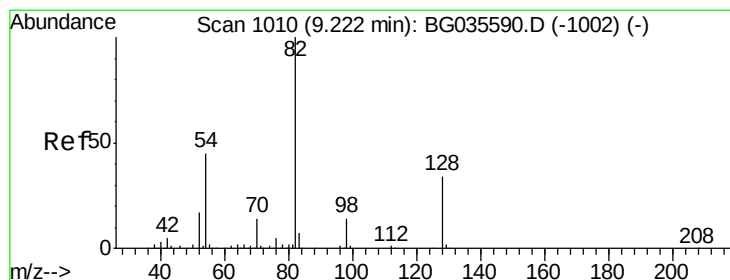
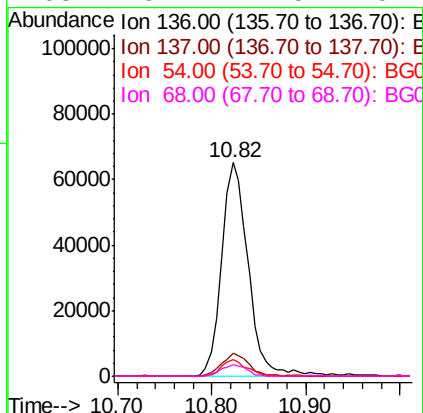
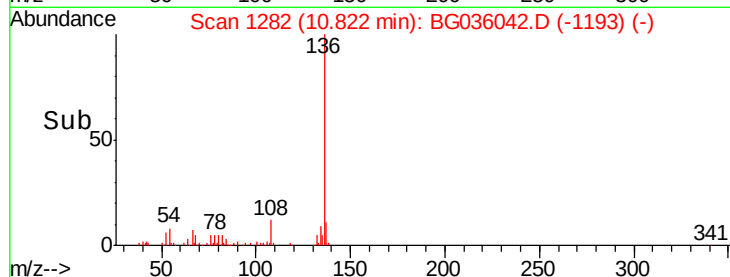
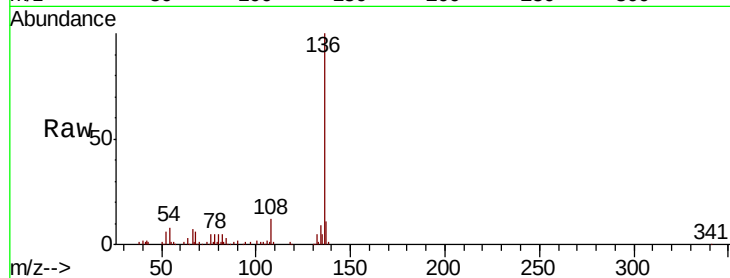




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BG036042.D  
Acq: 1 Aug 2018 20:30

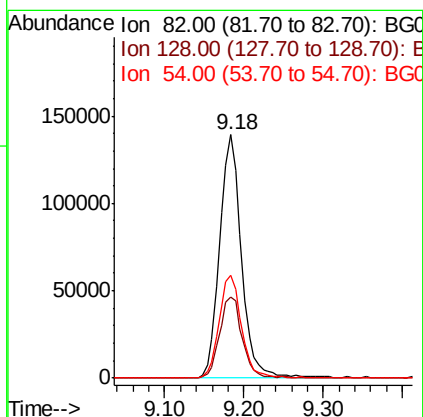
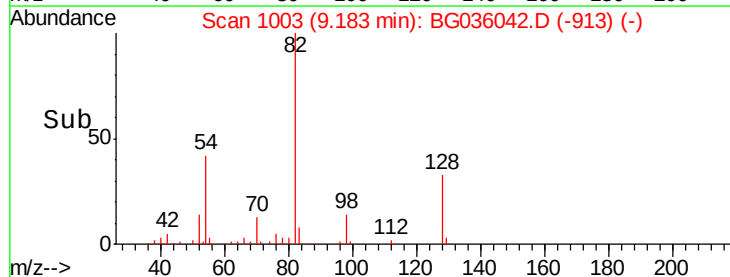
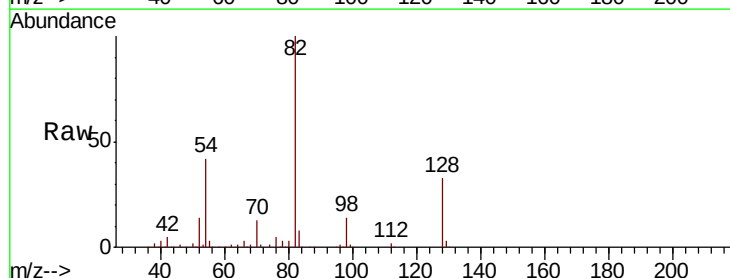
Instrument :  
BNA\_G  
ClientSampled :

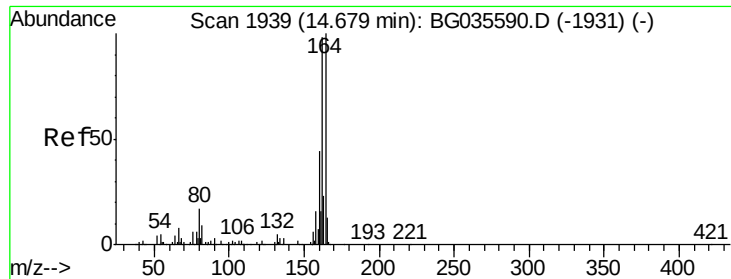
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 128756 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.2   | 13.8   |
| 54       | 7.7   | 10.3  | 15.5#  |
| 68       | 5.7   | 4.5   | 6.7    |



#23  
Nitrobenzene-d5  
Concen: 86.200 ng  
RT: 9.18 min Scan# 1003  
Delta R.T. -0.00 min  
Lab File: BG036042.D  
Acq: 1 Aug 2018 20:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 265680 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 33.1  | 29.7  | 44.5   |
| 54       | 42.3  | 43.1  | 64.7#  |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036042.D

Acq: 1 Aug 2018 20:30

Instrument :

BNA\_G

ClientSampleId :

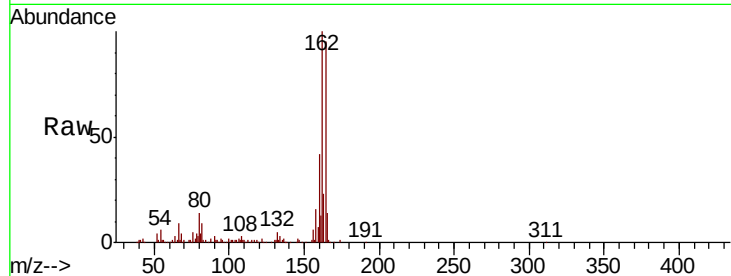
Tot Ion:164 Resp: 93699

Ion Ratio Lower Upper

164 100

162 105.2 78.8 118.2

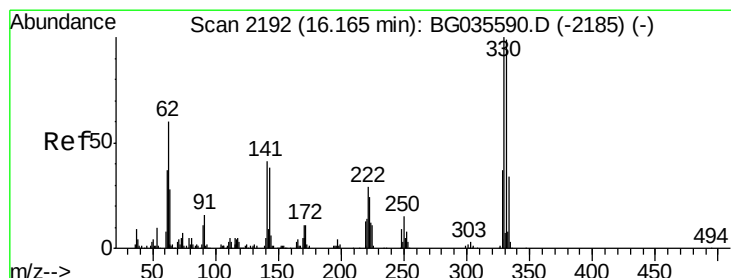
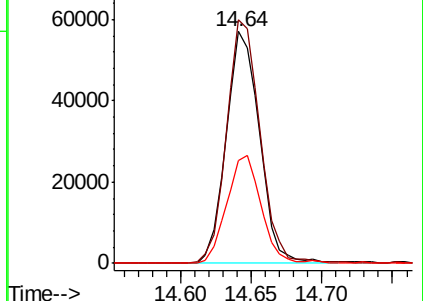
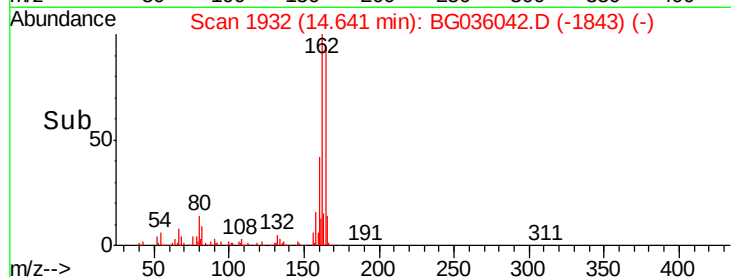
160 44.6 35.4 53.0



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: 159.005 ng

RT: 16.13 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BG036042.D

Acq: 1 Aug 2018 20:30

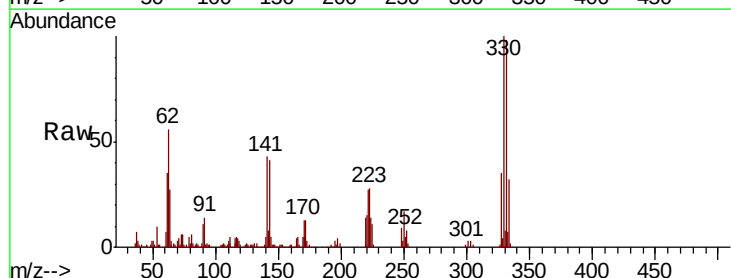
Tgt Ion:330 Resp: 196373

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

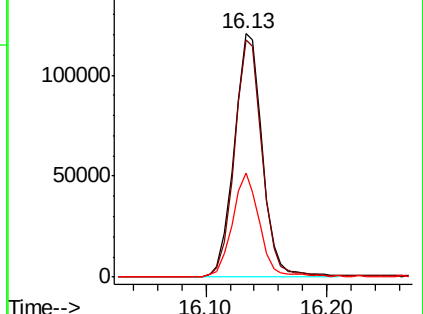
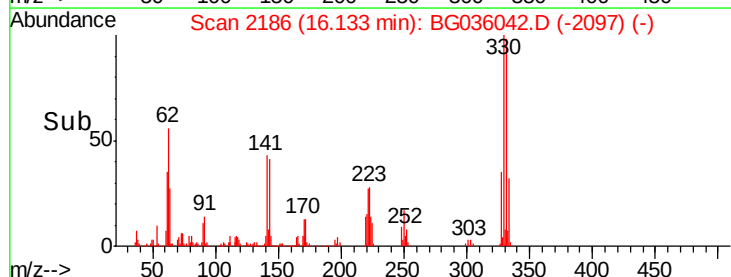
141 41.2 25.2 37.8#

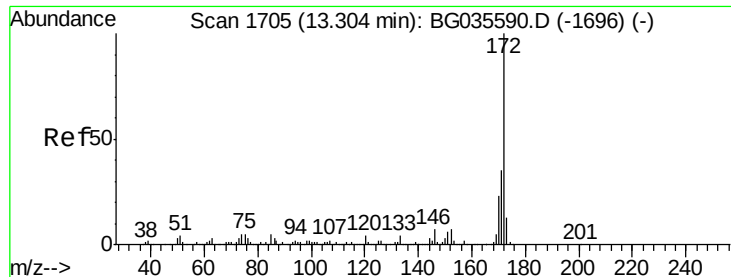


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

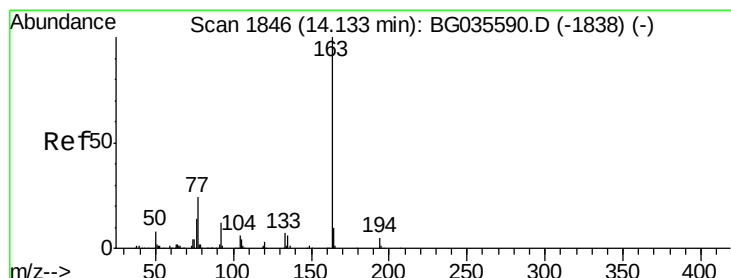
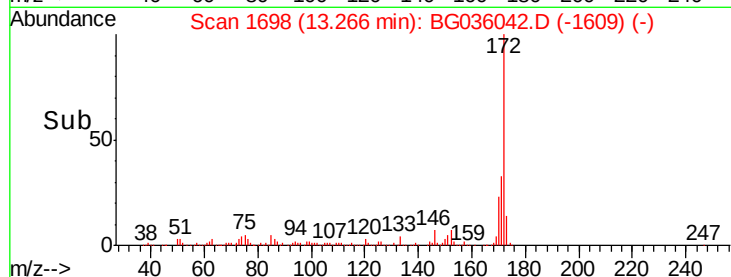
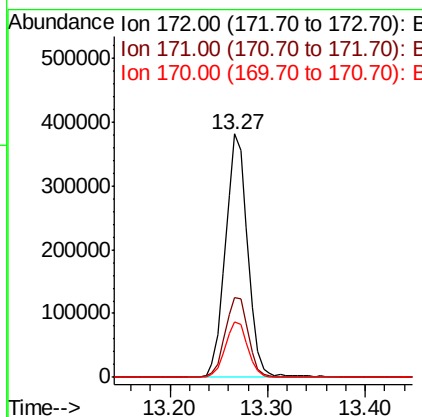
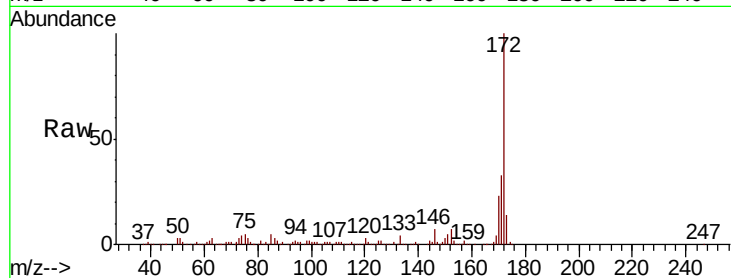




#44  
2-Fluorobiphenyl  
Concen: 86.070 ng  
RT: 13.27 min Scan# 1698  
Delta R.T. -0.01 min  
Lab File: BG036042.D  
Acq: 1 Aug 2018 20:30

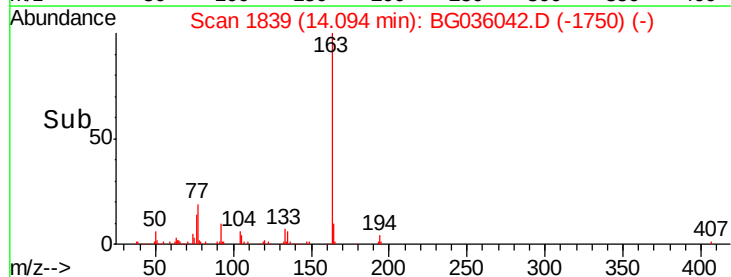
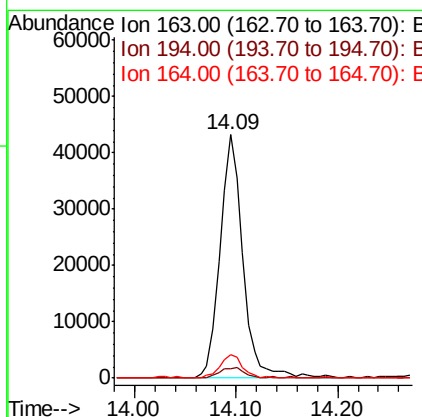
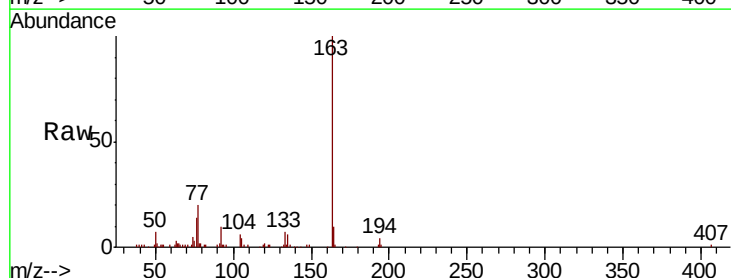
Instrument :  
BNA\_G  
ClientSampleId :

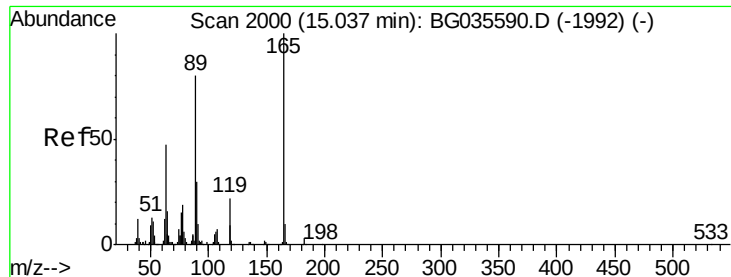
Tot Ion:172 Resp: 601958  
Ion Ratio Lower Upper  
172 100  
171 32.6 30.0 45.0  
170 22.9 19.5 29.3



#49  
Dimethylphthalate  
Concen: 8.240 ng  
RT: 14.09 min Scan# 1839  
Delta R.T. -0.01 min  
Lab File: BG036042.D  
Acq: 1 Aug 2018 20:30

Tgt Ion:163 Resp: 67645  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.4 5.2  
164 9.6 8.2 12.4

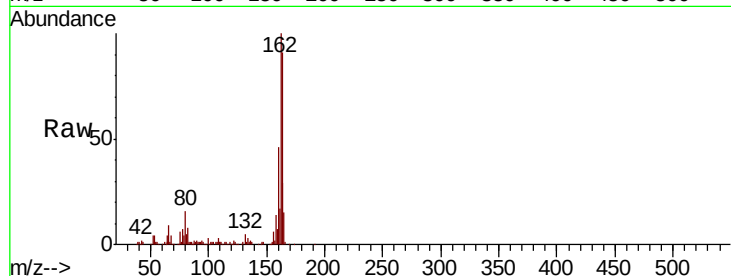




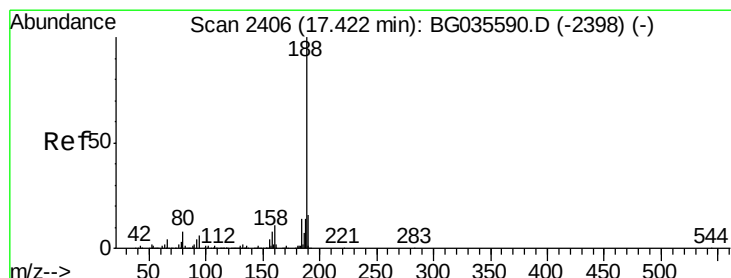
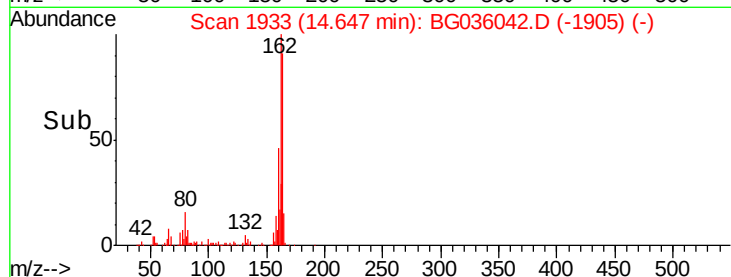
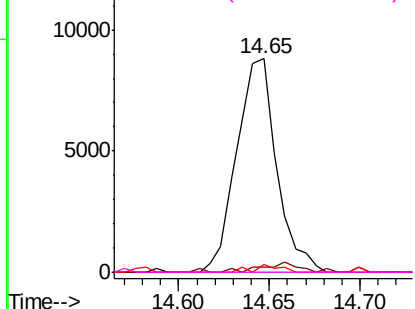
#56  
 2,4-Dinitrotoluene  
 Concen: 5.636 ng  
 RT: 14.65 min Scan# 1933  
 Delta R.T. -0.37 min  
 Lab File: BG036042.D  
 Acq: 1 Aug 2018 20:30

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 13517  
 Ion Ratio Lower Upper  
 165 100  
 63 2.3 42.0 63.0#  
 89 3.8 66.9 100.3#  
 182 0.0 2.6 3.8#

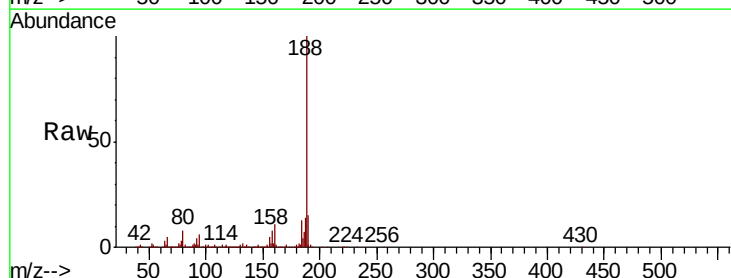


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

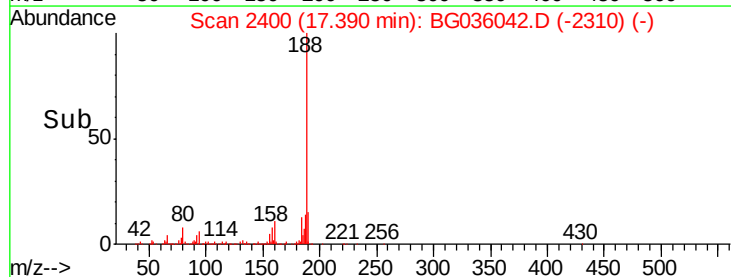
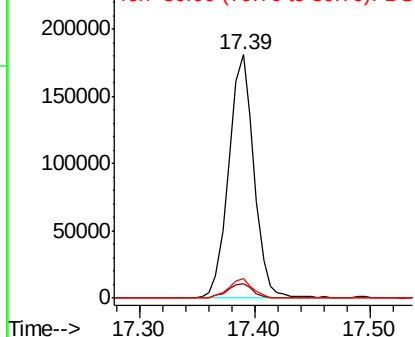


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.39 min Scan# 2400  
 Delta R.T. -0.00 min  
 Lab File: BG036042.D  
 Acq: 1 Aug 2018 20:30

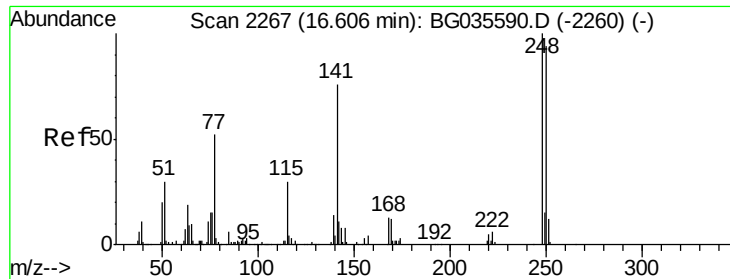
Tgt Ion:188 Resp: 273388  
 Ion Ratio Lower Upper  
 188 100  
 94 5.9 6.9 10.3#  
 80 7.8 7.7 11.5



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



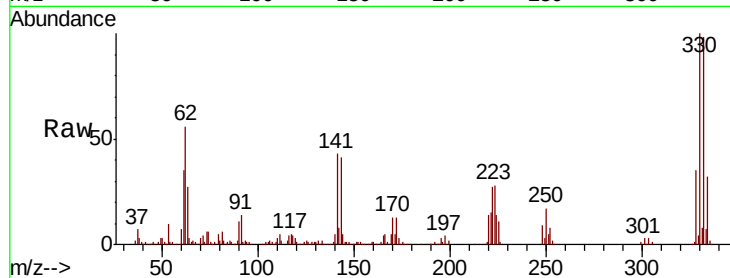




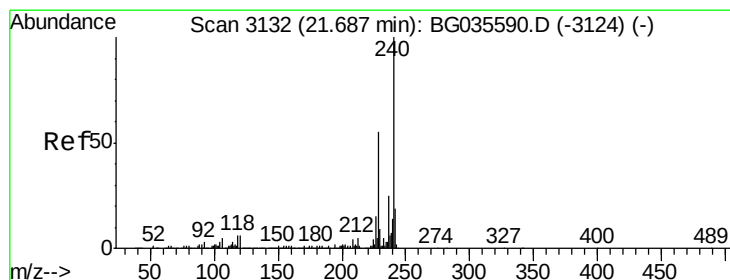
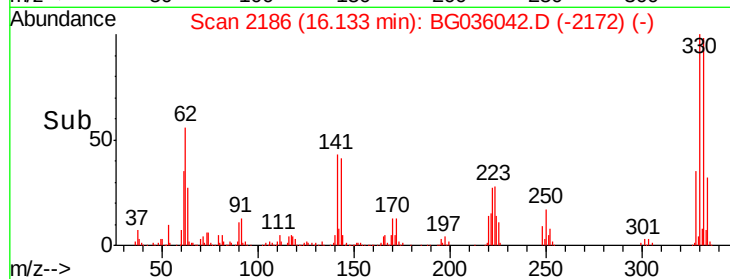
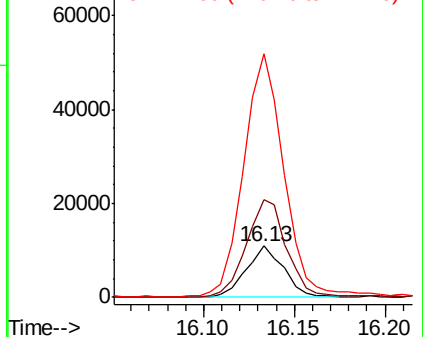
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.951 ng  
 RT: 16.13 min Scan# 2186  
 Delta R.T. -0.45 min  
 Lab File: BG036042.D  
 Acq: 1 Aug 2018 20:30

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 15703  
 Ion Ratio Lower Upper  
 248 100  
 250 190.2 77.1 115.7#  
 141 472.1 50.8 76.2#

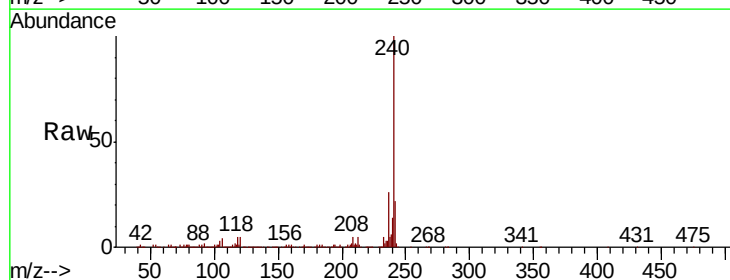


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

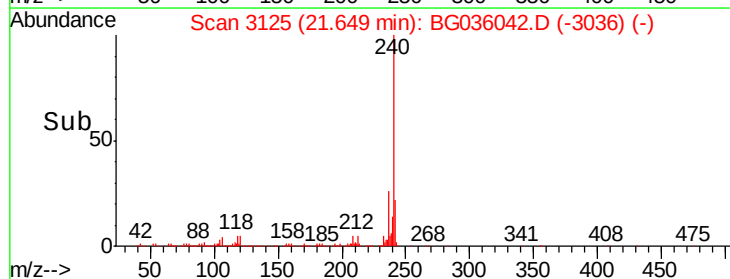
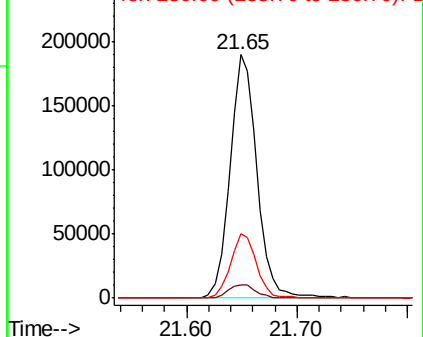


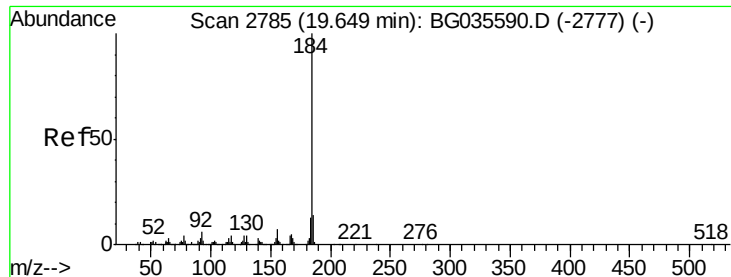
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.65 min Scan# 3125  
 Delta R.T. -0.01 min  
 Lab File: BG036042.D  
 Acq: 1 Aug 2018 20:30

Tgt Ion:240 Resp: 323152  
 Ion Ratio Lower Upper  
 240 100  
 120 5.5 6.8 10.2#  
 236 26.2 20.9 31.3



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





#76

Benzidine

Concen: 2.667 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036042.D

Acq: 1 Aug 2018 20:30

Instrument :

BNA\_G

ClientSampleId :

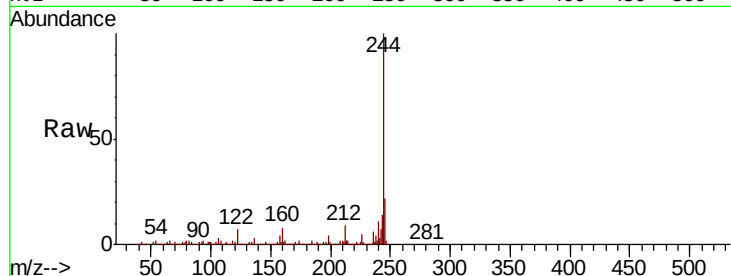
Tot Ion:184 Resp: 22658

Ion Ratio Lower Upper

184 100

185 18.4 11.1 16.7#

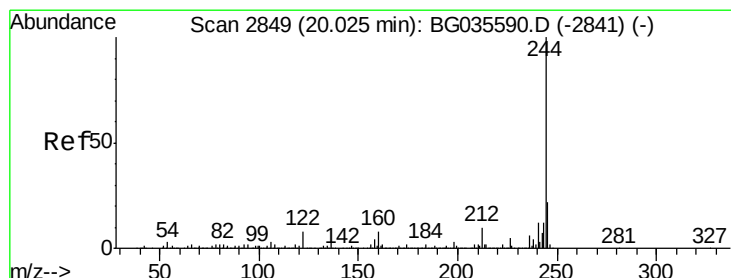
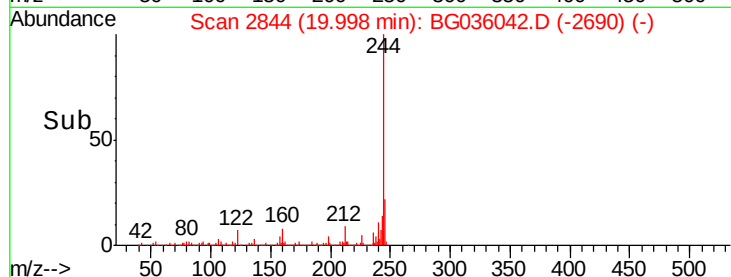
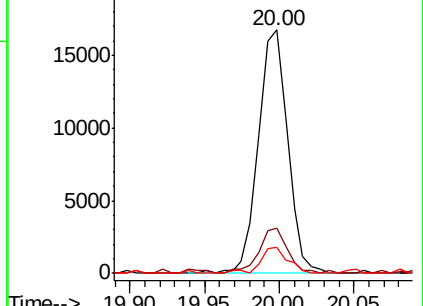
183 10.8 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 84.968 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG036042.D

Acq: 1 Aug 2018 20:30

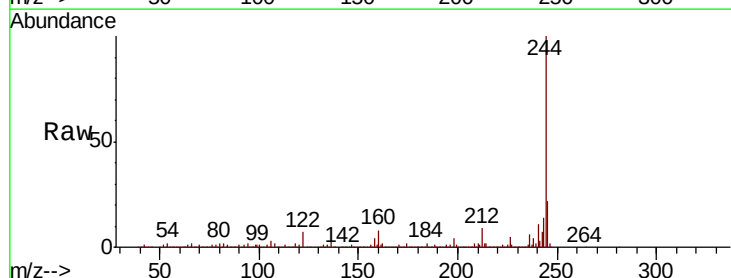
Tgt Ion:244 Resp: 1245635

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

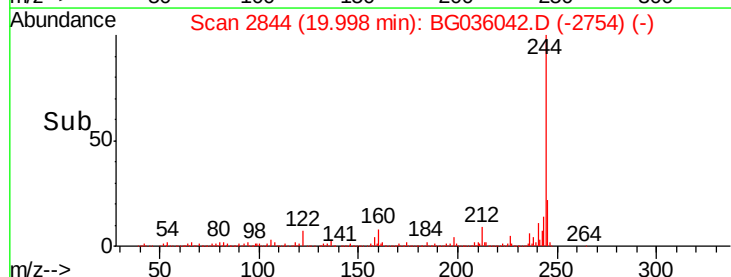
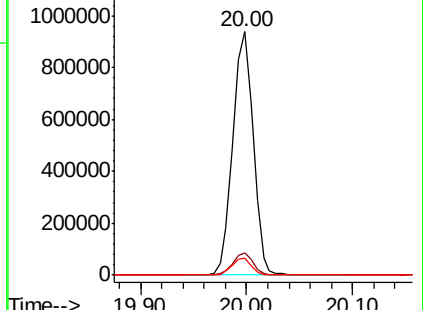
122 7.2 7.0 10.4

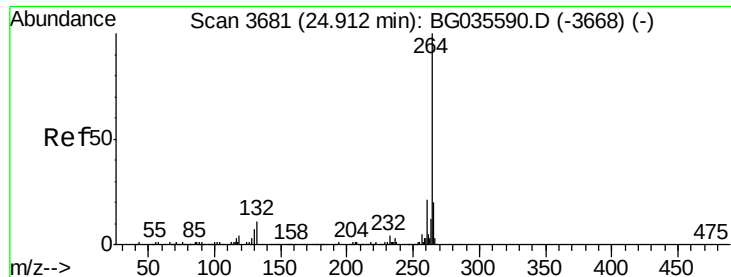


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.84 min Scan# 3669  
Delta R.T. -0.02 min  
Lab File: BG036042.D  
Acq: 1 Aug 2018 20:30

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 17.4  | 26.0  |
| 265     | 20.7  | 17.7  | 26.5  |

