

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083118\  
 Data File : BG036518.D  
 Acq On : 31 Aug 2018 23:41  
 Operator : JU/SJ  
 Sample : J4270-06  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 01 01:04:23 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

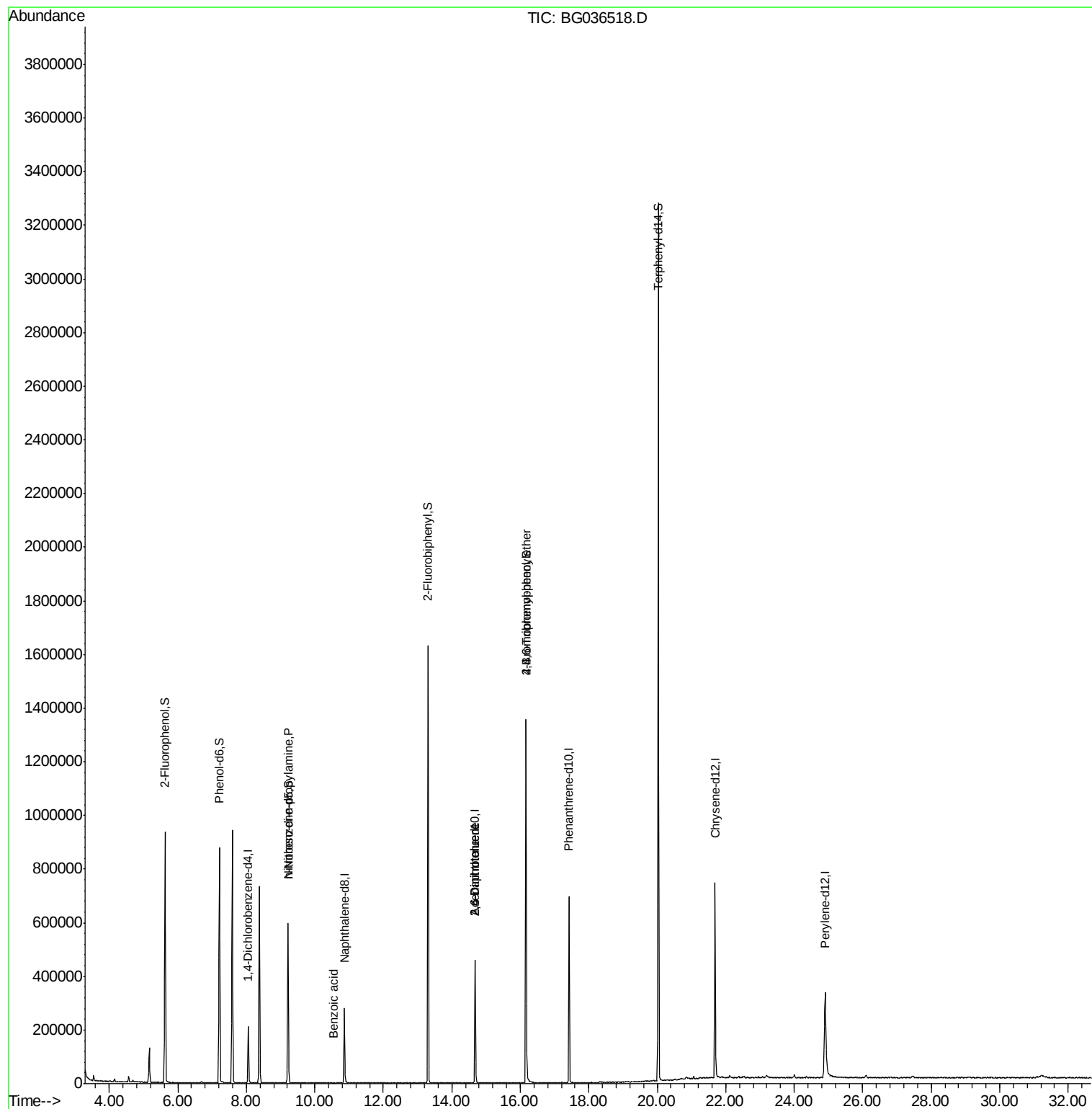
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.06  | 152  | 59916    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.87 | 136  | 243786   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.68 | 164  | 163473   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.42 | 188  | 436709   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.69 | 240  | 472240   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.90 | 264  | 432449   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 397322   | 105.19 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.21  | 99   | 509474   | 94.21  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 367483   | 81.79  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.17 | 330  | 259687   | 133.13 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.31 | 172  | 870240   | 76.01  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.03 | 244  | 1598069  | 79.10  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 48395    | 11.974 | ng    | # 67     |
| 32) Benzoic acid               | 10.53 | 122  | 54       | 4.498  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 14.68 | 165  | 21152    | 7.701  | ng    | # 21     |
| 56) 2,4-Dinitrotoluene         | 14.68 | 165  | 21152    | 5.909  | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 16.17 | 248  | 18022    | 3.525  | ng    | # 1      |

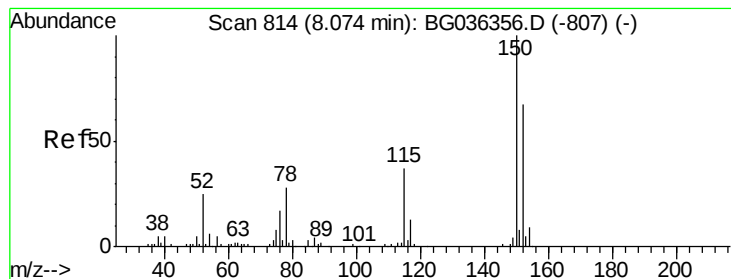
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083118\  
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Instrument :  
BNA\_G  
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Quant Time: Sep 01 01:04:23 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



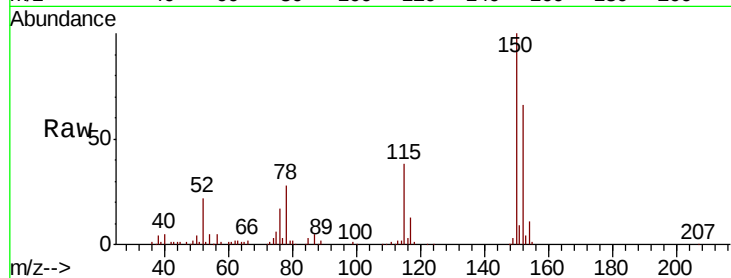


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BG036518.D  
Acq: 31 Aug 2018 23:41

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.6 | 119.5 | 179.3 |
| 115     | 57.8  | 44.5  | 66.7  |

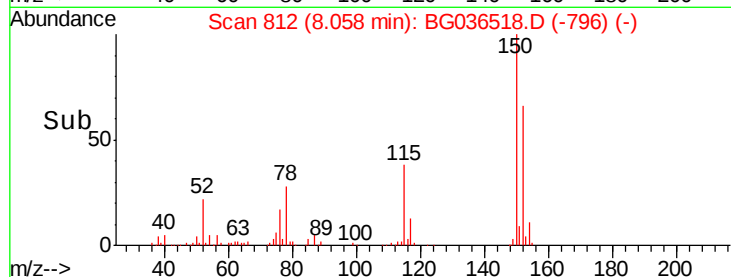
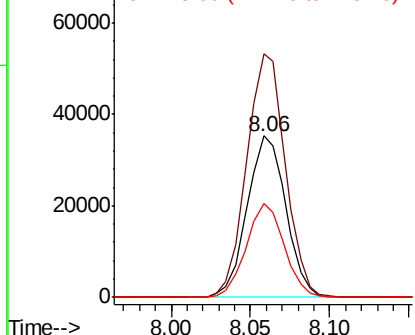


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

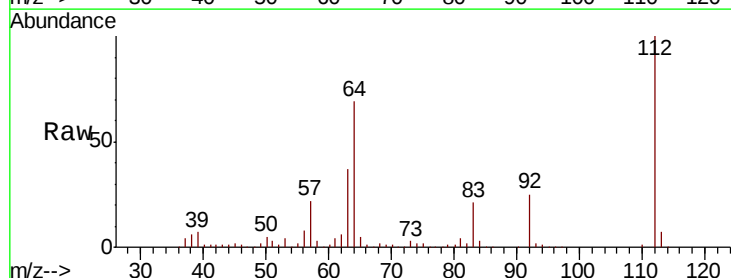
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 105.192 ng  
RT: 5.63 min Scan# 398  
Delta R.T. 0.00 min  
Lab File: BG036518.D  
Acq: 31 Aug 2018 23:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.9  | 57.2  | 85.8  |
| 63      | 36.9  | 30.8  | 46.2  |

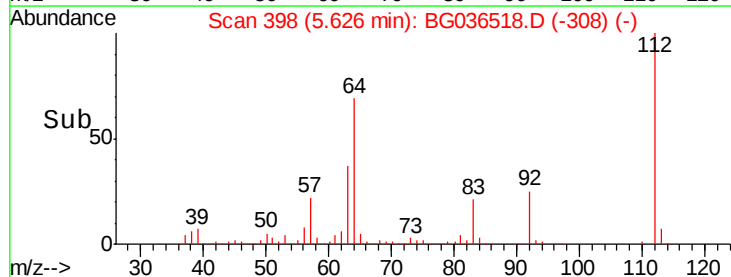
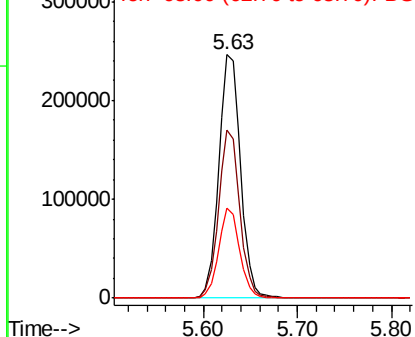


Abundance

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: 94.210 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036518.D

Acq: 31 Aug 2018 23:41

Instrument :

BNA\_G

ClientSampleId :

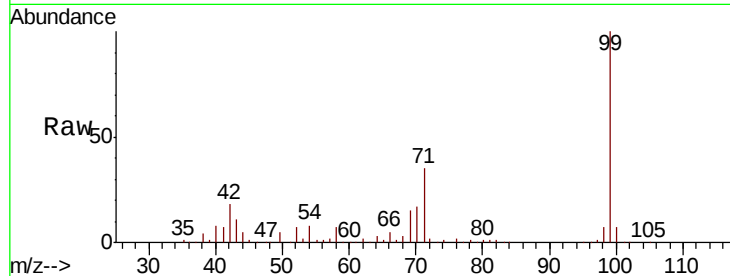
Tot Ion: 99 Resp: 509474

Ion Ratio Lower Upper

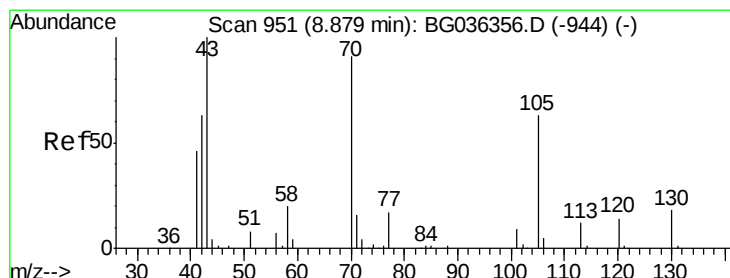
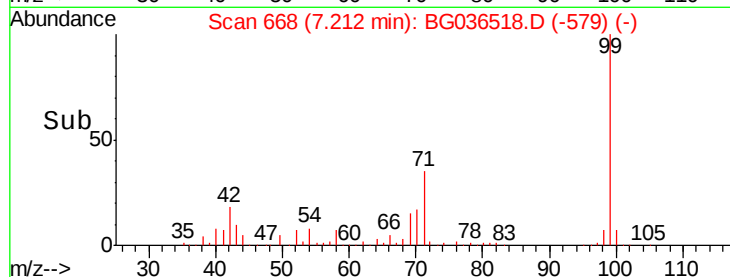
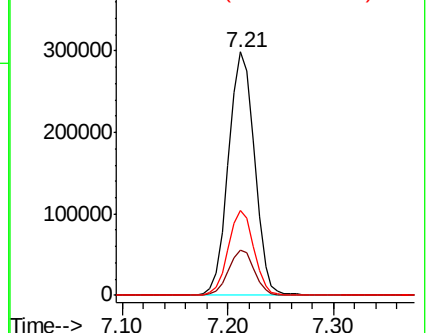
99 100

42 18.4 16.5 24.7

71 35.1 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: 11.974 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG036518.D

Acq: 31 Aug 2018 23:41

Tgt Ion: 70 Resp: 48395

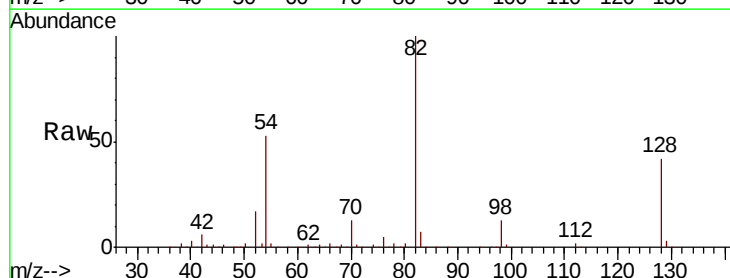
Ion Ratio Lower Upper

70 100

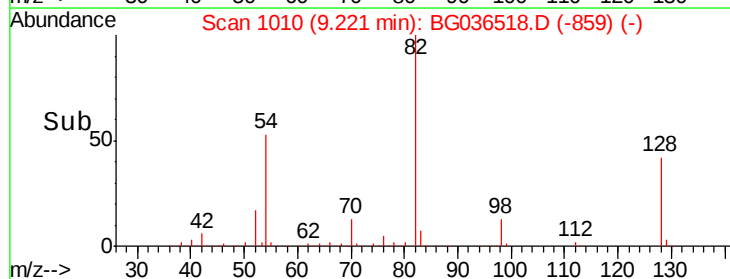
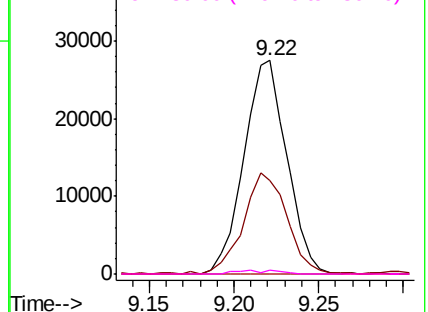
42 43.8 56.2 84.4#

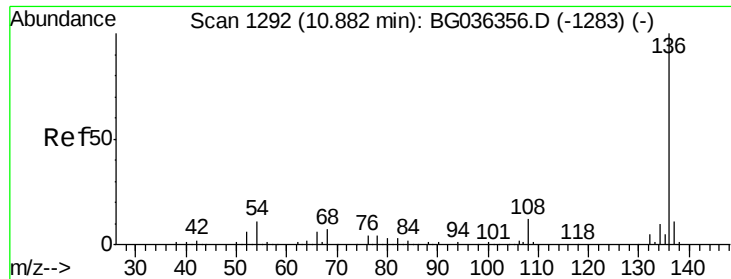
101 0.0 7.8 11.6#

130 1.9 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

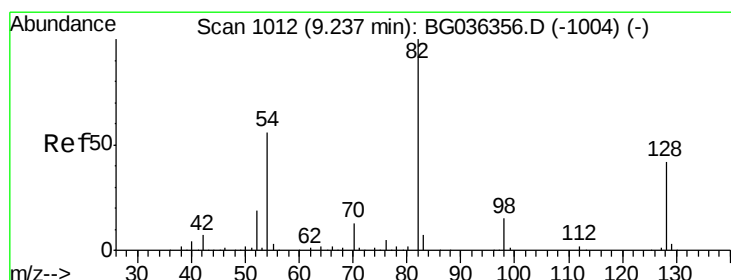
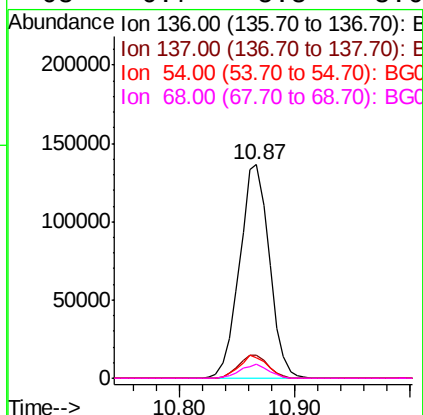
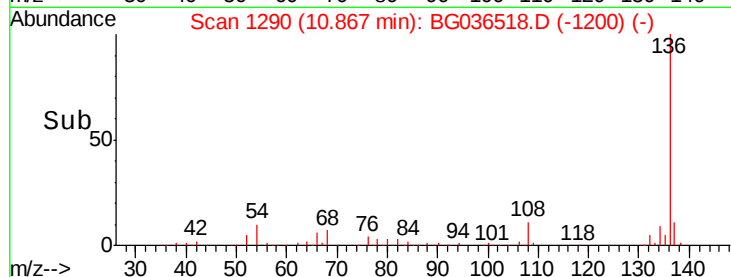
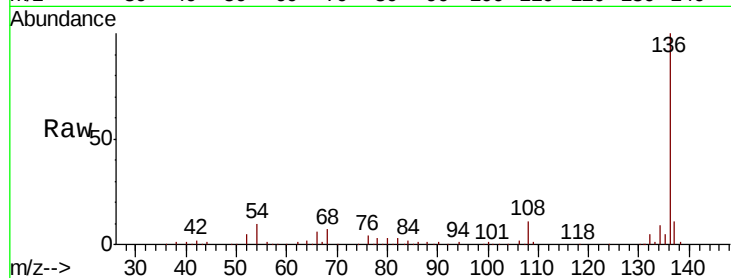




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1290  
Delta R.T. 0.00 min  
Lab File: BG036518.D  
Acq: 31 Aug 2018 23:41

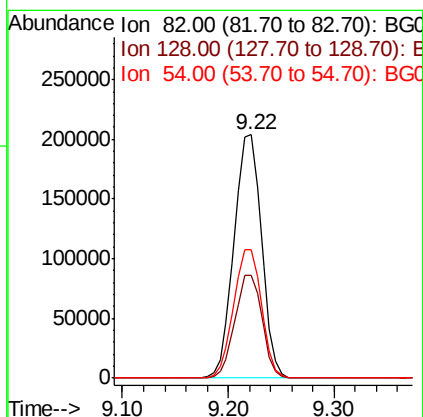
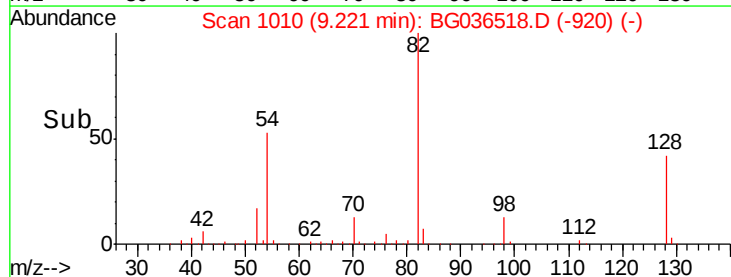
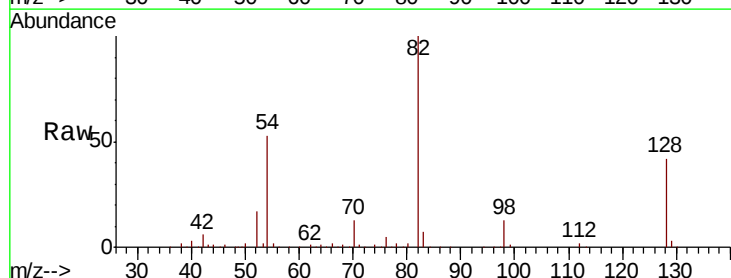
Instrument :  
BNA\_G  
ClientSampleId :

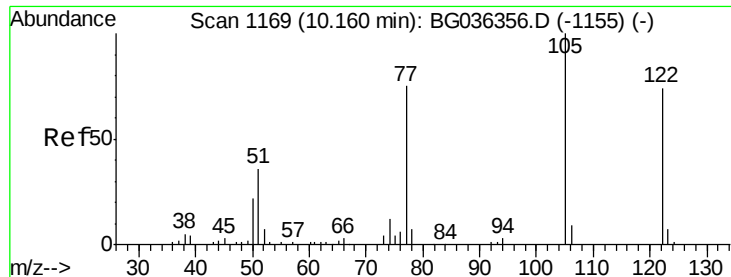
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 243786   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.8 13.2 |
| 54          | 9.5   | 9.2 13.8 |
| 68          | 6.7   | 5.8 8.6  |



#23  
Nitrobenzene-d5  
Concen: 81.787 ng  
RT: 9.22 min Scan# 1010  
Delta R.T. 0.00 min  
Lab File: BG036518.D  
Acq: 31 Aug 2018 23:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 367483    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 42.3  | 33.3 49.9 |
| 54          | 53.0  | 45.1 67.7 |

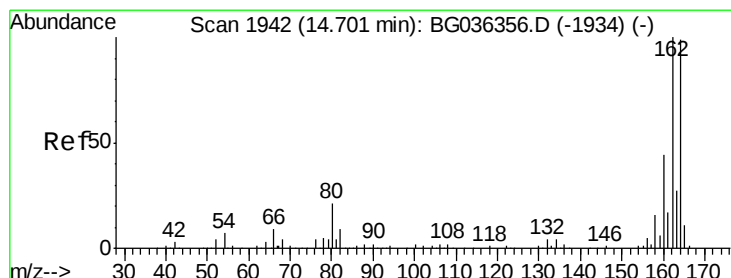
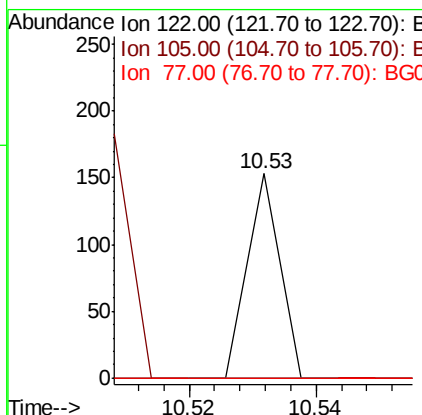
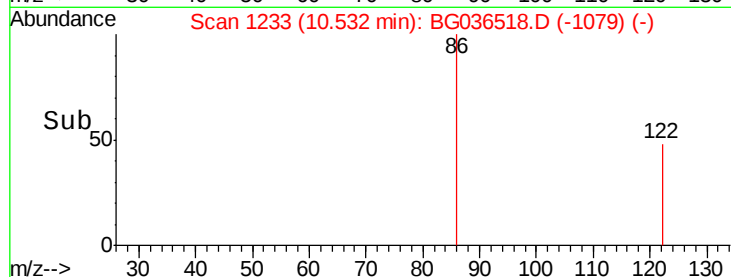
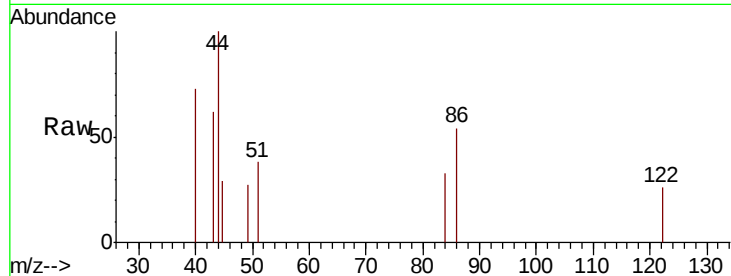




#32  
Benzoic acid  
Concen: 4.498 ng  
RT: 10.53 min Scan# 1233  
Delta R.T. 0.38 min  
Lab File: BG036518.D  
Acq: 31 Aug 2018 23:41

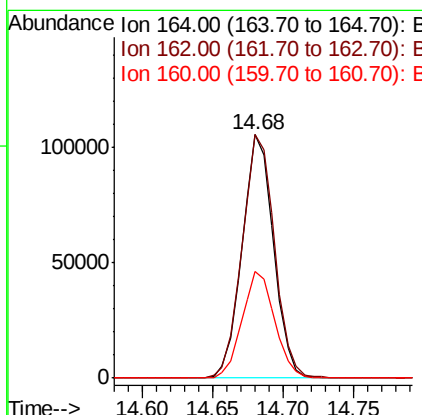
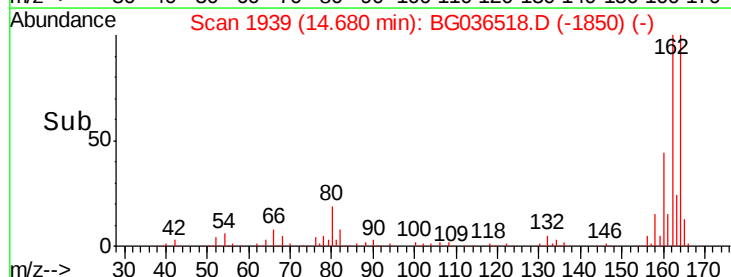
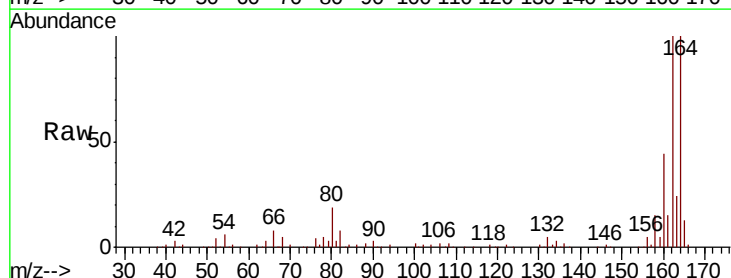
Instrument :  
BNA\_G  
ClientSampled :

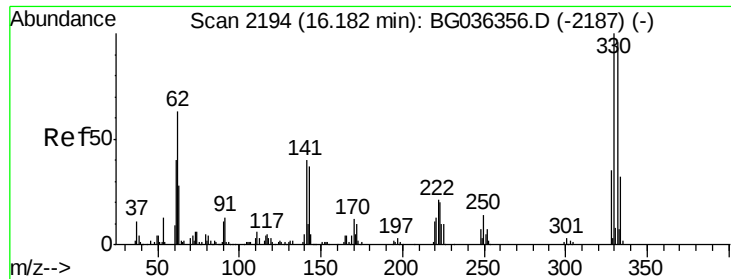
Tot Ion:122 Resp: 54  
Ion Ratio Lower Upper  
122 100  
105 0.0 108.1 148.1#  
77 0.0 76.3 116.3#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.68 min Scan# 1939  
Delta R.T. -0.01 min  
Lab File: BG036518.D  
Acq: 31 Aug 2018 23:41

Tgt Ion:164 Resp: 163473  
Ion Ratio Lower Upper  
164 100  
162 100.2 80.7 121.1  
160 43.8 35.3 52.9

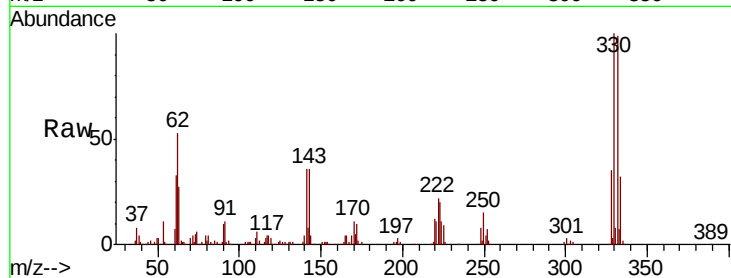




#41  
 2,4,6-Tribromophenol  
 Concen: 133.132 ng  
 RT: 16.17 min Scan# 2192  
 Delta R.T. -0.01 min  
 Lab File: BG036518.D  
 Acq: 31 Aug 2018 23:41

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 75.4  | 113.2 |
| 141     | 34.9  | 30.7  | 46.1  |

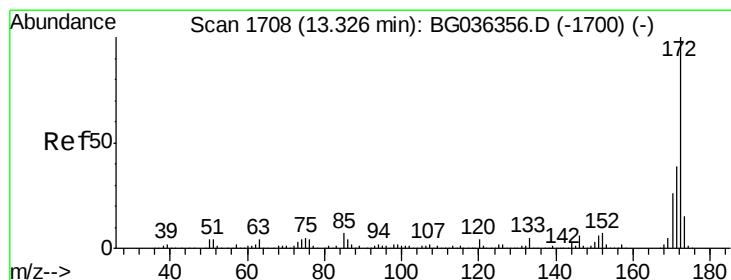
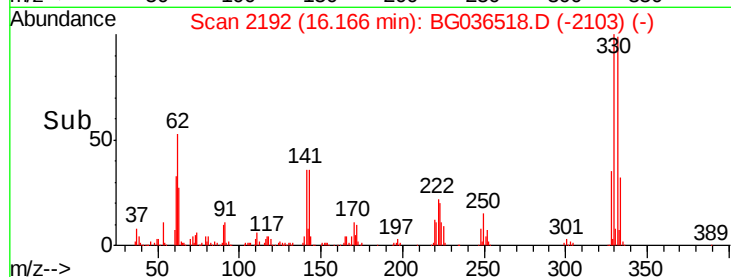
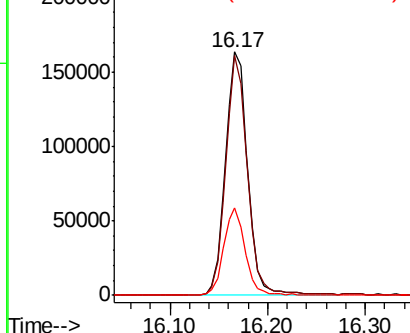


Abundance

Ion 329.80 (329.50 to 330.50): E

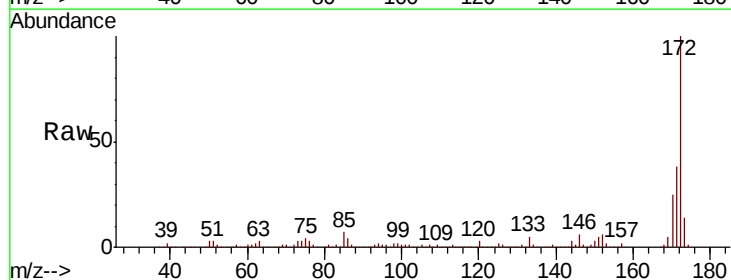
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 76.009 ng  
 RT: 13.31 min Scan# 1706  
 Delta R.T. 0.00 min  
 Lab File: BG036518.D  
 Acq: 31 Aug 2018 23:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 31.3  | 46.9  |
| 170     | 24.7  | 21.0  | 31.6  |

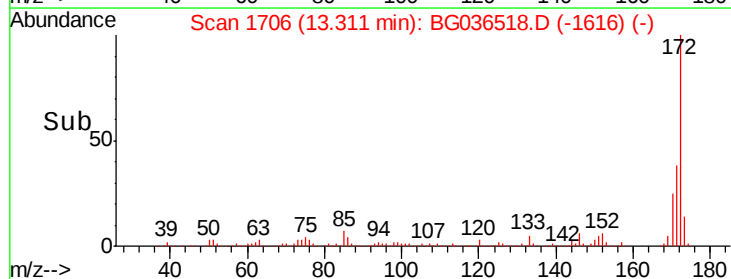
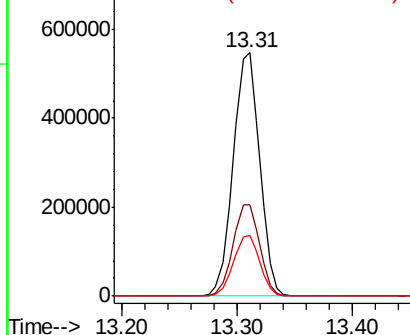


Abundance

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

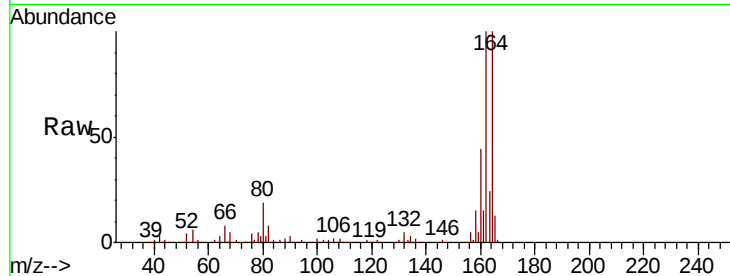




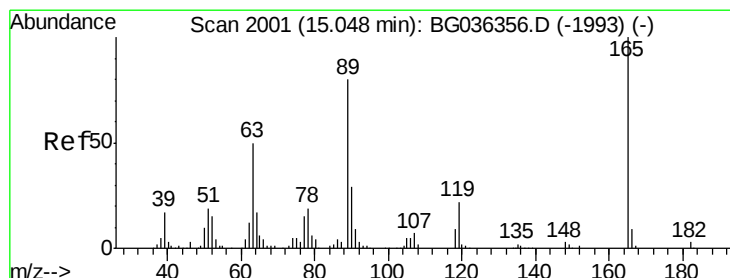
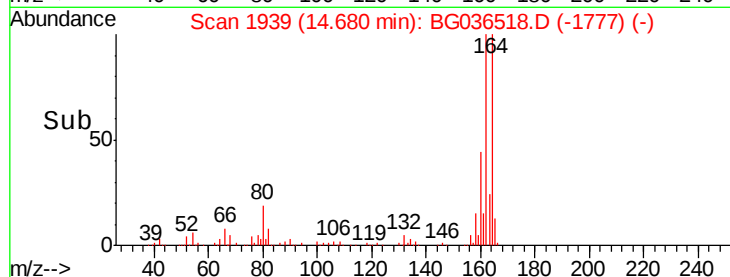
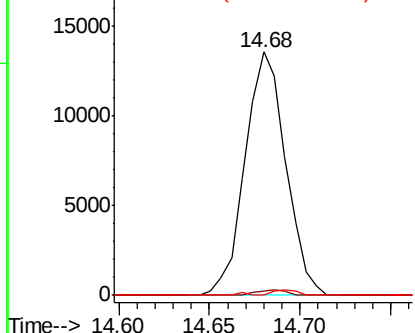
#50  
2,6-Dinitrotoluene  
Concen: 7.701 ng  
RT: 14.68 min Scan# 1939  
Delta R.T. 0.42 min  
Lab File: BG036518.D  
Acq: 31 Aug 2018 23:41

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 21152  
Ion Ratio Lower Upper  
165 100  
63 1.5 50.1 75.1#  
89 0.0 47.8 71.6#

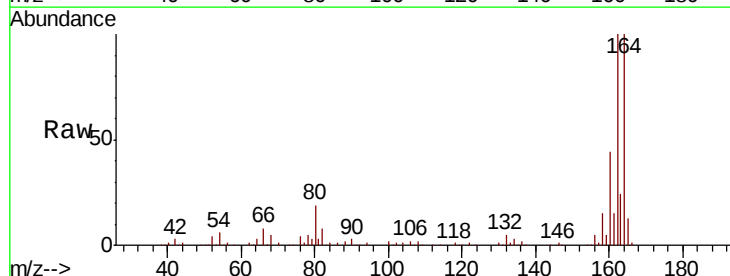


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC

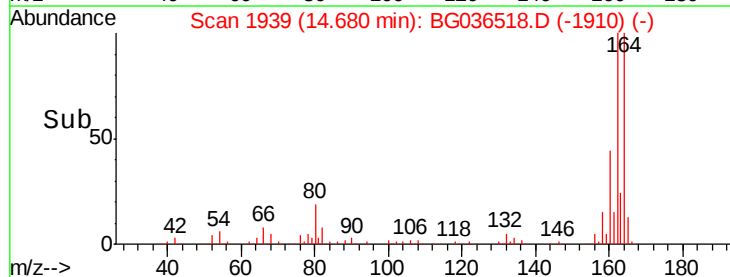
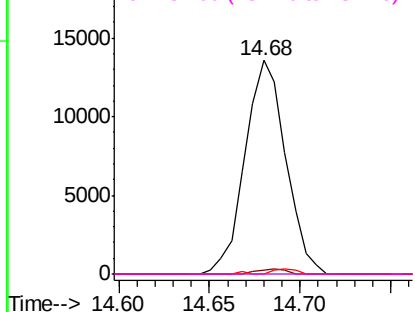


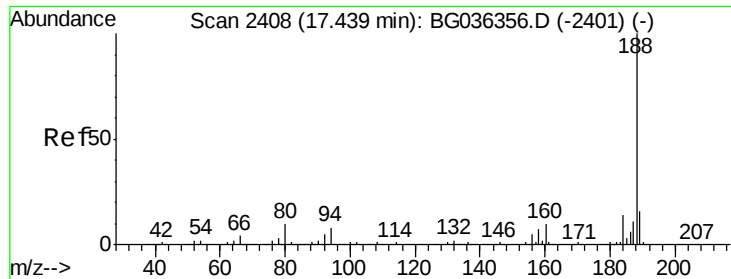
#56  
2,4-Dinitrotoluene  
Concen: 5.909 ng  
RT: 14.68 min Scan# 1939  
Delta R.T. -0.36 min  
Lab File: BG036518.D  
Acq: 31 Aug 2018 23:41

Tgt Ion:165 Resp: 21152  
Ion Ratio Lower Upper  
165 100  
63 1.5 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

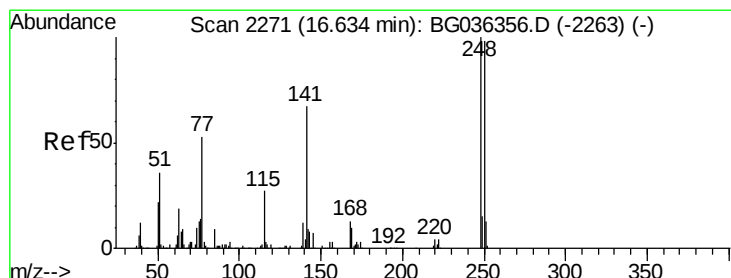
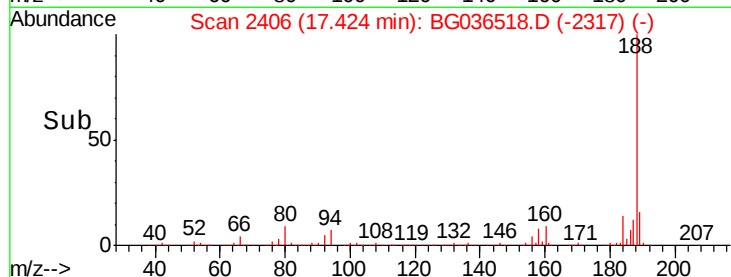
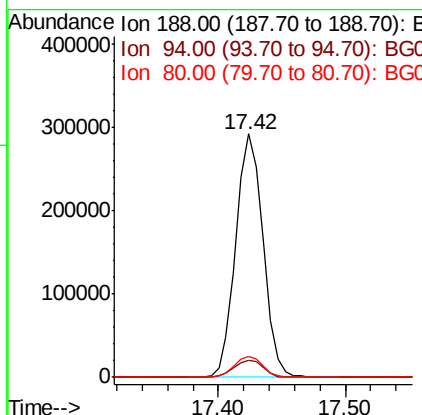
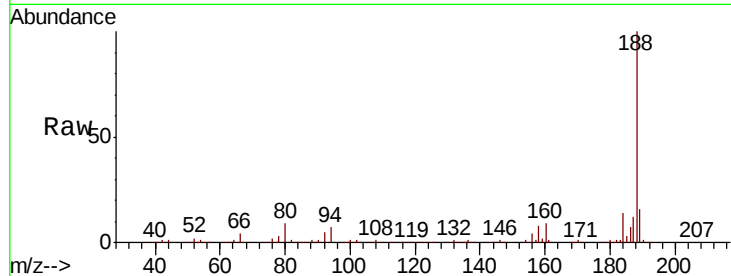




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2406  
 Delta R.T. -0.01 min  
 Lab File: BG036518.D  
 Acq: 31 Aug 2018 23:41

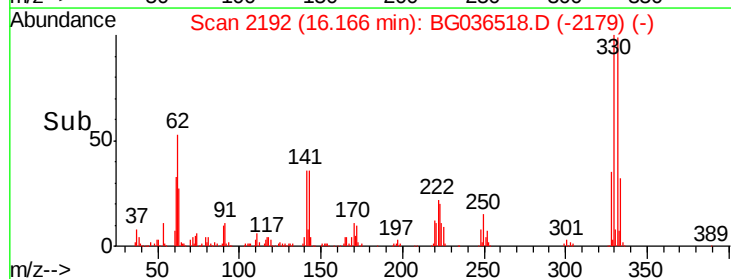
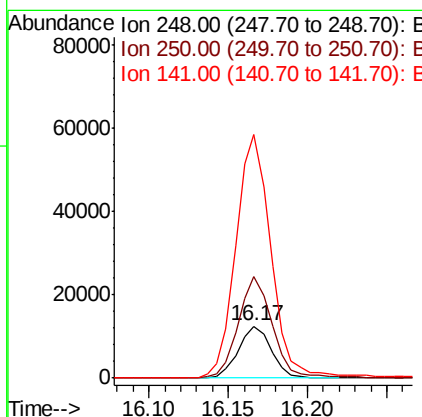
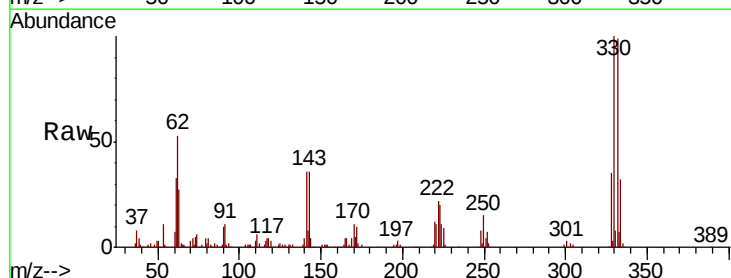
Instrument :  
 BNA\_G  
 ClientSampleId :

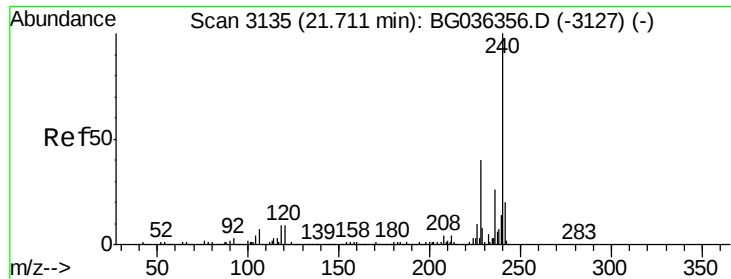
Tot Ion:188 Resp: 436709  
 Ion Ratio Lower Upper  
 188 100  
 94 7.2 6.7 10.1  
 80 8.5 8.1 12.1



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.525 ng  
 RT: 16.17 min Scan# 2192  
 Delta R.T. -0.45 min  
 Lab File: BG036518.D  
 Acq: 31 Aug 2018 23:41

Tgt Ion:248 Resp: 18022  
 Ion Ratio Lower Upper  
 248 100  
 250 195.4 78.1 117.1#  
 141 470.8 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BG036518.D

Acq: 31 Aug 2018 23:41

Instrument :

BNA\_G

ClientSampleId :

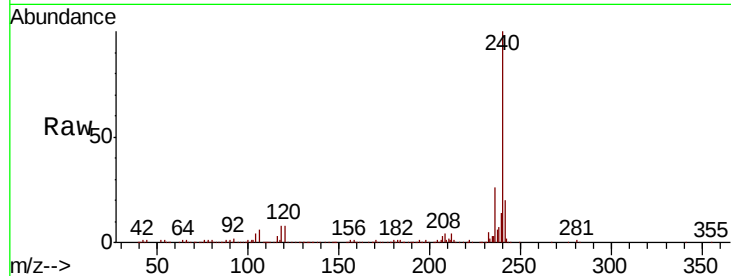
Tot Ion:240 Resp: 472240

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

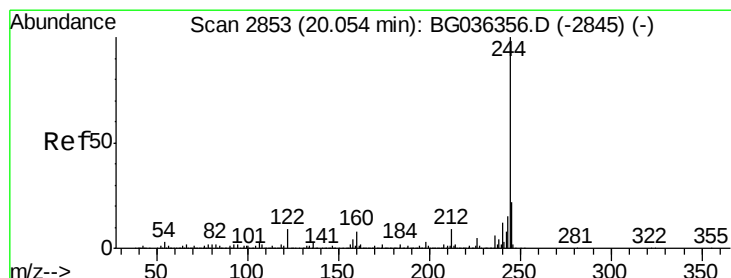
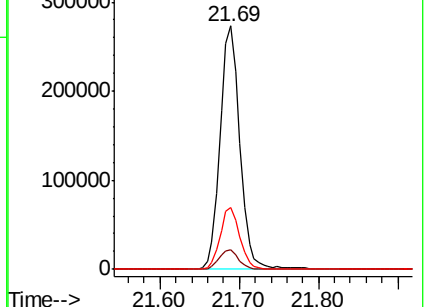
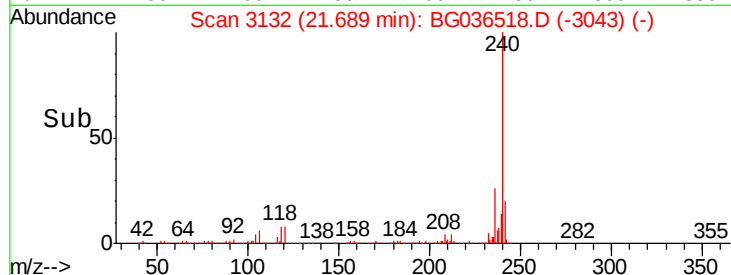
236 25.5 21.2 31.8



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: 79.096 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG036518.D

Acq: 31 Aug 2018 23:41

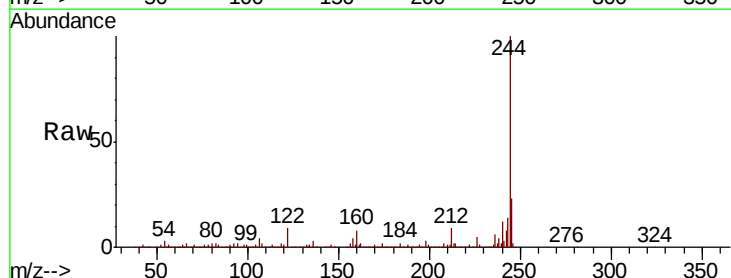
Tgt Ion:244 Resp: 1598069

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

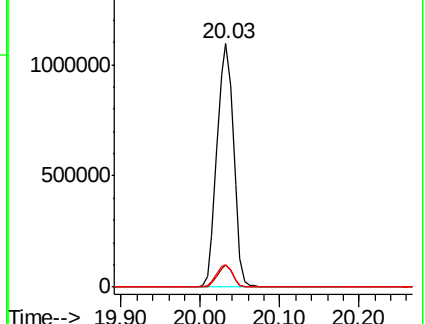
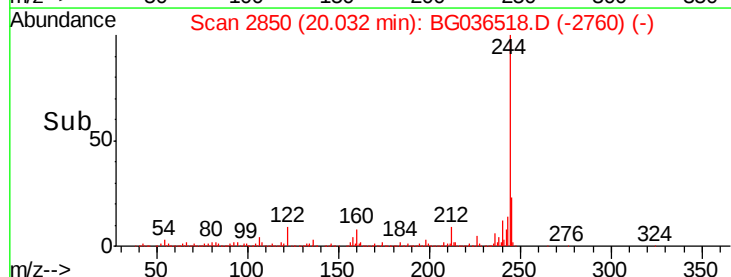
122 9.3 7.1 10.7

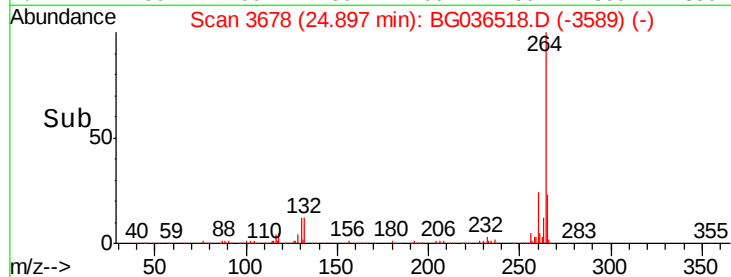
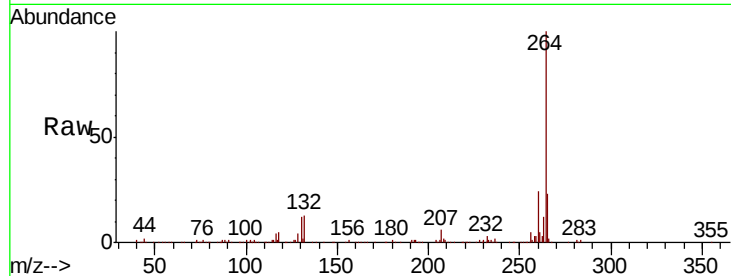
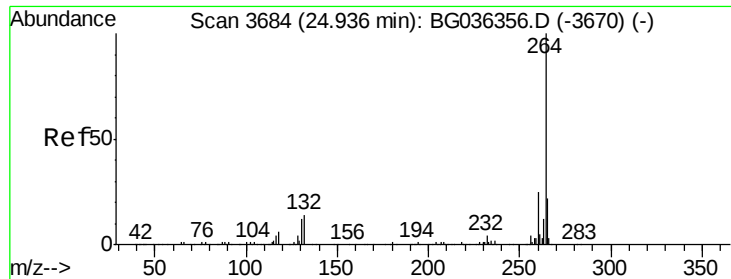


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.90 min Scan# 3678  
 Delta R.T. -0.01 min  
 Lab File: BG036518.D  
 Acq: 31 Aug 2018 23:41

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.6  | 29.4  |
| 265     | 22.9  | 17.4  | 26.0  |

