

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071819\  
 Data File : BG041709.D  
 Acq On : 18 Jul 2019 14:35  
 Operator : HP/JU  
 Sample : K3835-44  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 18 18:07:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 15 16:16:21 2019  
 Response via : Initial Calibration

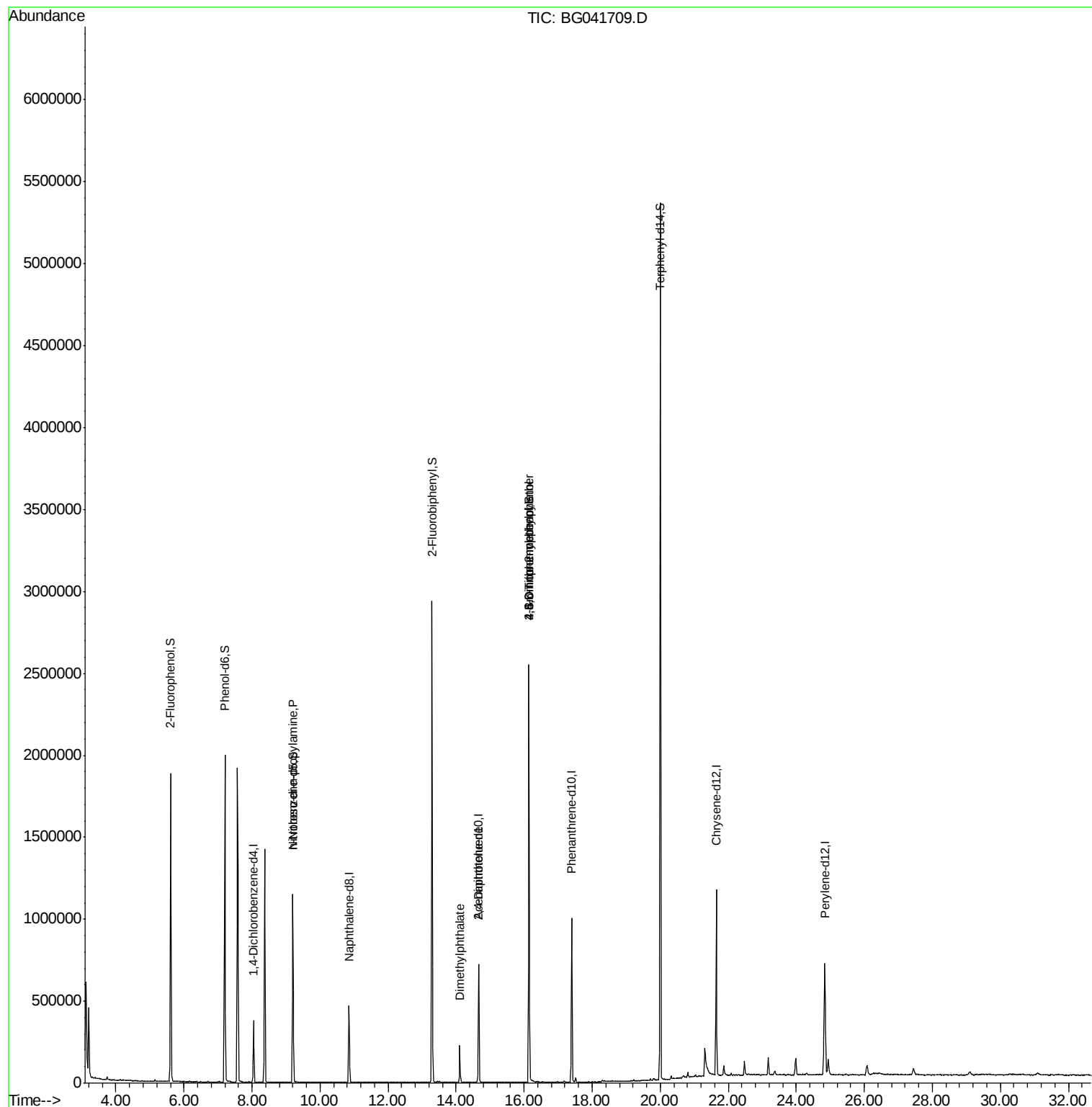
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-----------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 106986   | 20.00     | ng    | 0.00       |
| 21) Naphthalene-d8             | 10.85 | 136  | 423284   | 20.00     | ng    | 0.00       |
| 39) Acenaphthene-d10           | 14.66 | 164  | 262587   | 20.00     | ng    | 0.00       |
| 64) Phenanthrene-d10           | 17.40 | 188  | 660833   | 20.00     | ng    | 0.00       |
| 76) Chrysene-d12               | 21.65 | 240  | 649506   | 20.00     | ng    | -0.01      |
| 87) Perylene-d12               | 24.84 | 264  | 733115   | 20.00     | ng    | -0.03      |
| System Monitoring Compounds    |       |      |          |           |       |            |
| 5) 2-Fluorophenol              | 5.61  | 112  | 815785   | 124.65    | ng    | 0.00       |
| 7) Phenol-d6                   | 7.20  | 99   | 1137156  | 129.18    | ng    | 0.00       |
| 23) Nitrobenzene-d5            | 9.20  | 82   | 677013   | 97.27     | ng    | 0.00       |
| 42) 2,4,6-Tribromophenol       | 16.14 | 330  | 454456   | 153.57    | ng    | 0.00       |
| 45) 2-Fluorobiphenyl           | 13.29 | 172  | 1532378  | 90.37     | ng    | 0.00       |
| 79) Terphenyl-d14              | 20.00 | 244  | 2309535  | 83.10     | ng    | 0.00       |
| Target Compounds               |       |      |          |           |       |            |
| 9) Benzaldehyde                | 7.20  | 77   | 2131     | Below Cal |       | Qvalue # 3 |
| 19) n-Nitroso-di-n-propylamine | 9.20  | 70   | 92737    | 14.414    | ng    | # 73       |
| 50) Dimethylphthalate          | 14.11 | 163  | 156388   | 7.583     | ng    | # 98       |
| 57) 2,4-Dinitrotoluene         | 14.66 | 165  | 33438    | 5.783     | ng    | # 30       |
| 65) 4,6-Dinitro-2-methylphenol | 16.14 | 198  | 1609     | 7.115     | ng    | # 1        |
| 67) 4-Bromophenyl-phenylether  | 16.14 | 248  | 36789    | 4.679     | ng    | # 1        |

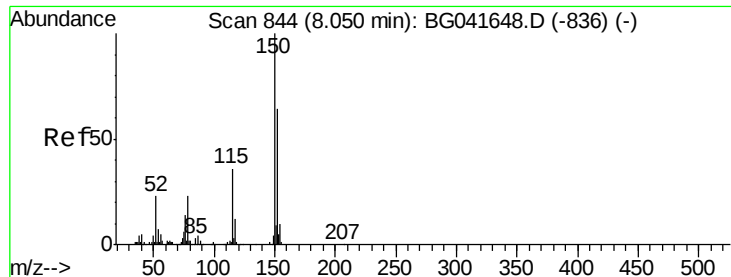
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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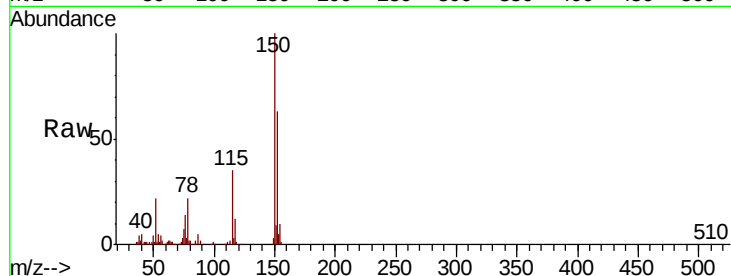


#1

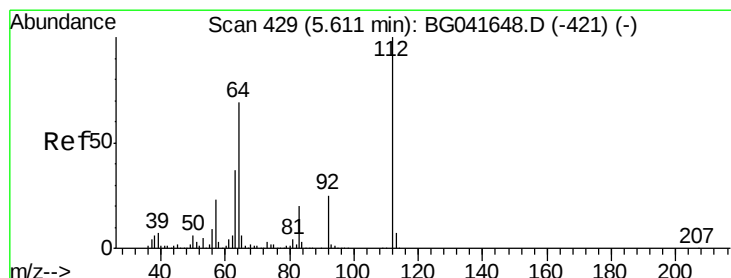
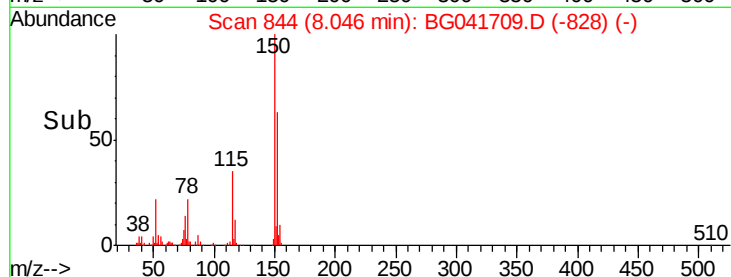
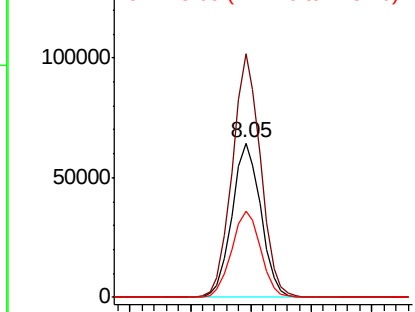
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: BG041709.D  
Acq: 18 Jul 2019 14:35

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.7 | 126.9 | 190.3 |
| 115     | 55.8  | 45.0  | 67.6  |



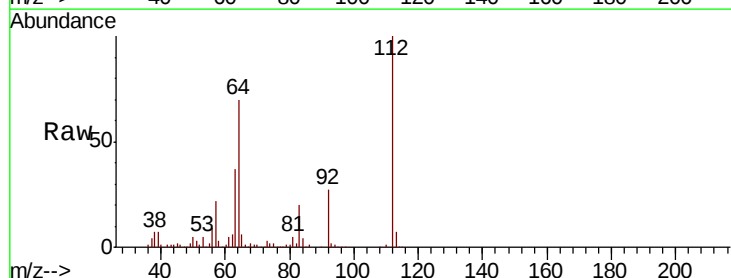
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



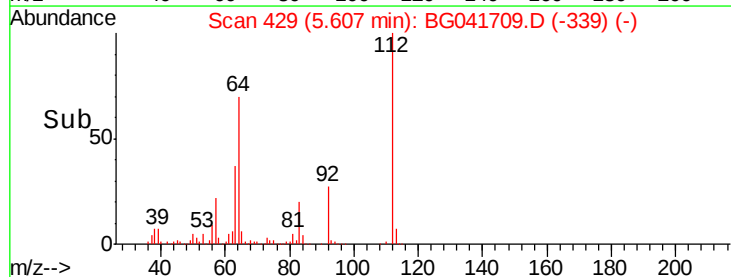
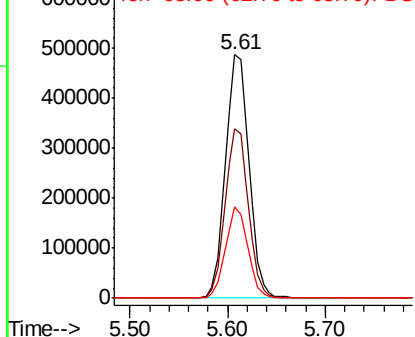
#5

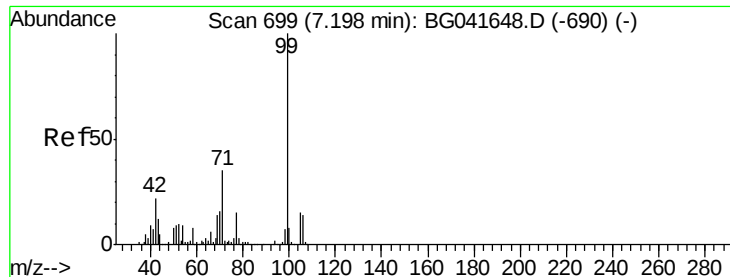
2-Fluorophenol  
Concen: 124.652 ng  
RT: 5.61 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: BG041709.D  
Acq: 18 Jul 2019 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.5  | 55.4  | 83.2  |
| 63      | 37.4  | 29.1  | 43.7  |



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: 129.184 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041709.D

Acq: 18 Jul 2019 14:35

Instrument :

BNA\_G

ClientSampleId :

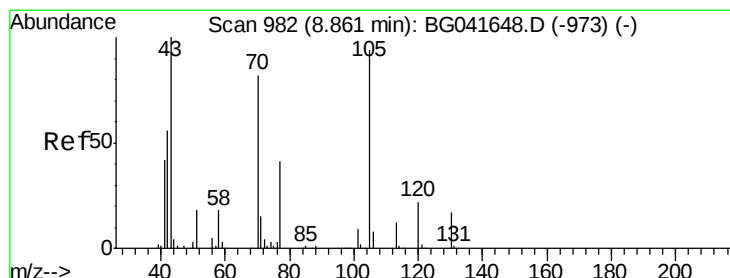
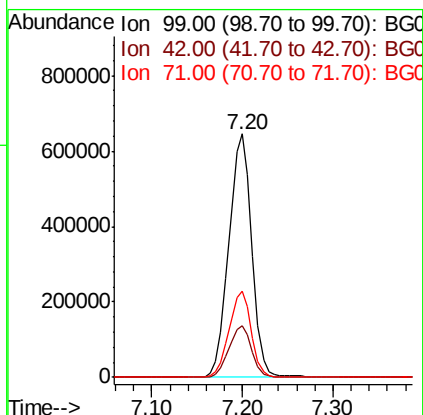
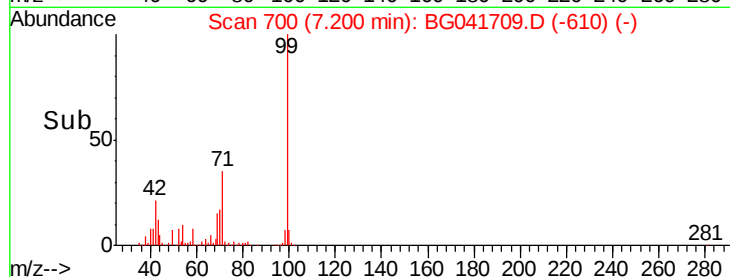
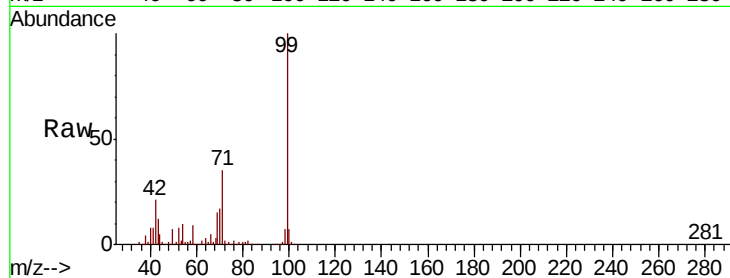
Tot Ion: 99 Resp: 1137156

Ion Ratio Lower Upper

99 100

42 21.2 17.6 26.4

71 35.3 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.414 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041709.D

Acq: 18 Jul 2019 14:35

Tgt Ion: 70 Resp: 92737

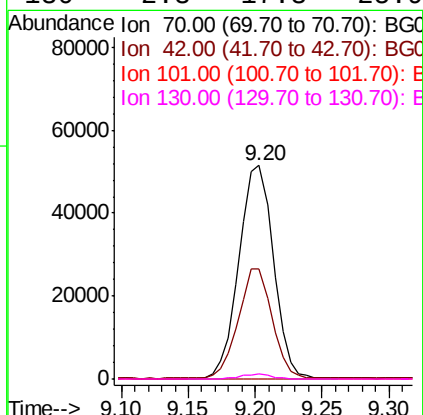
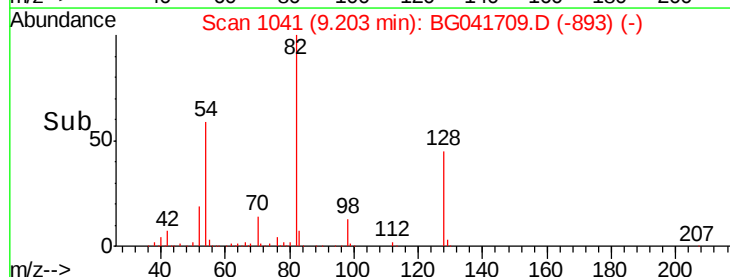
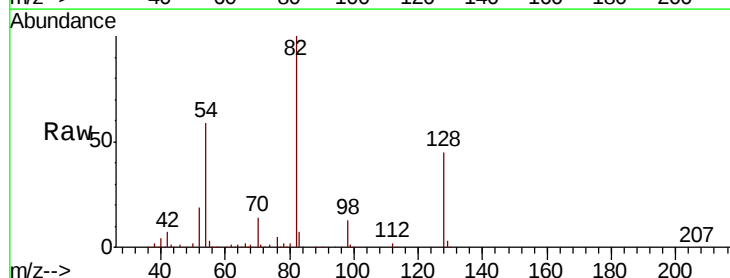
Ion Ratio Lower Upper

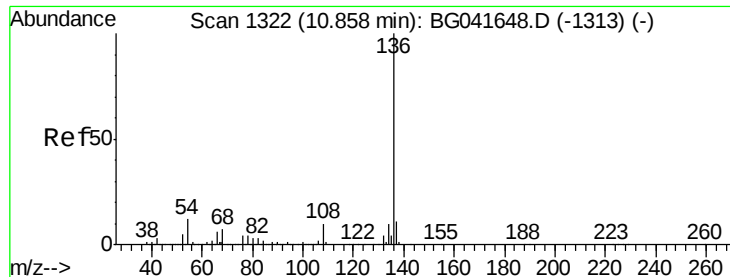
70 100

42 51.3 55.8 83.6#

101 0.0 8.1 12.1#

130 2.3 17.3 25.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG041709.D

Acq: 18 Jul 2019 14:35

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 423284

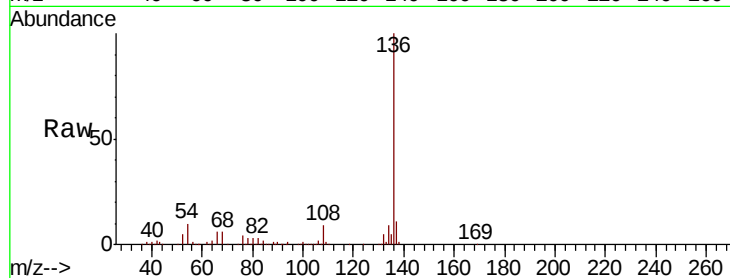
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 10.0 8.7 13.1

68 6.5 5.5 8.3

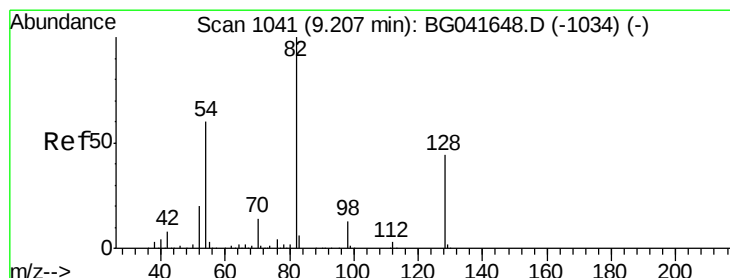
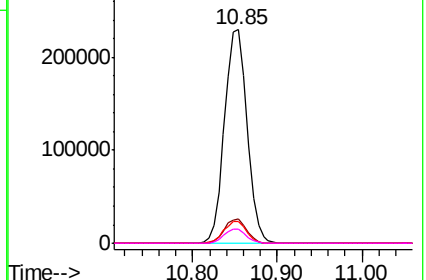
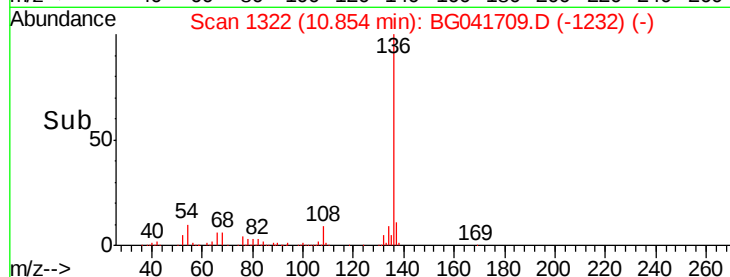


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 97.269 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG041709.D

Acq: 18 Jul 2019 14:35

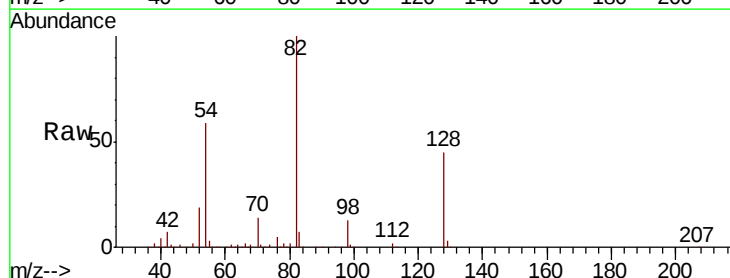
Tgt Ion: 82 Resp: 677013

Ion Ratio Lower Upper

82 100

128 44.9 35.1 52.7

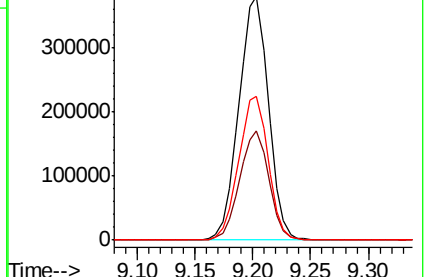
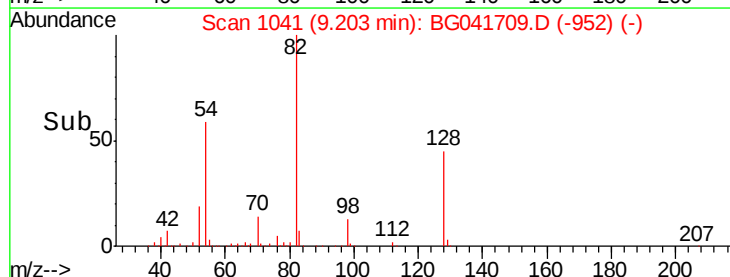
54 59.2 48.7 73.1

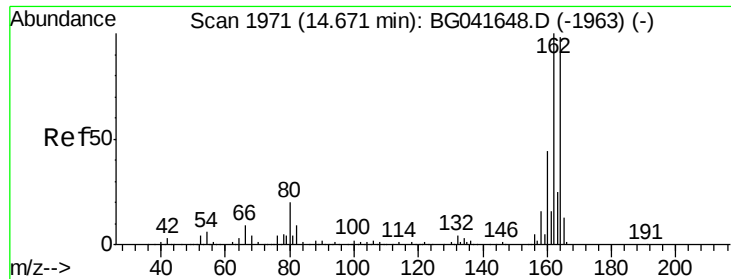


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

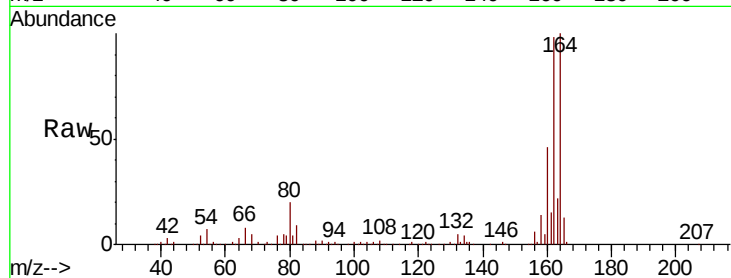




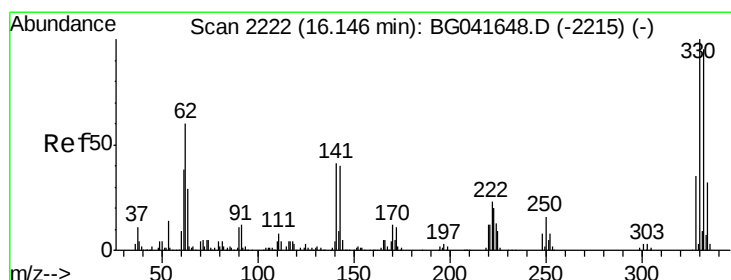
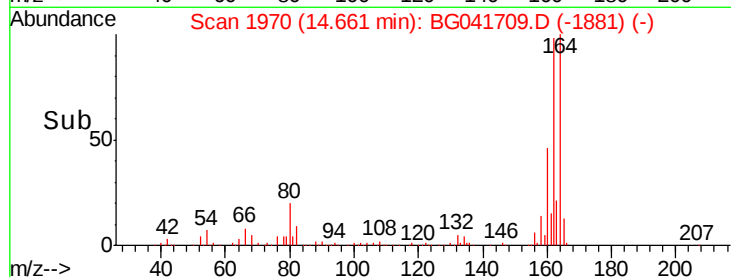
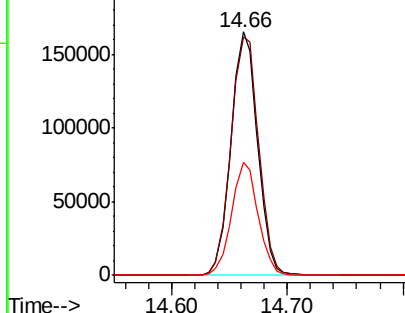
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1970  
Delta R.T. -0.01 min  
Lab File: BG041709.D  
Acq: 18 Jul 2019 14:35

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.8  | 79.6  | 119.4 |
| 160     | 46.4  | 35.4  | 53.0  |

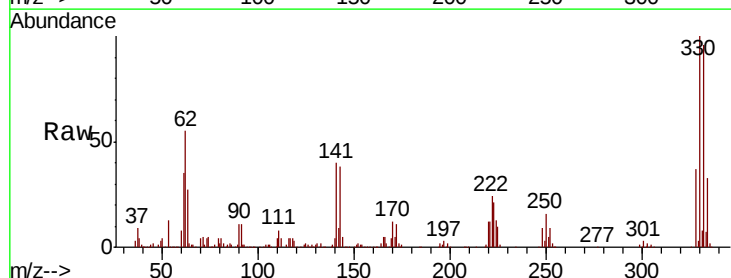


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

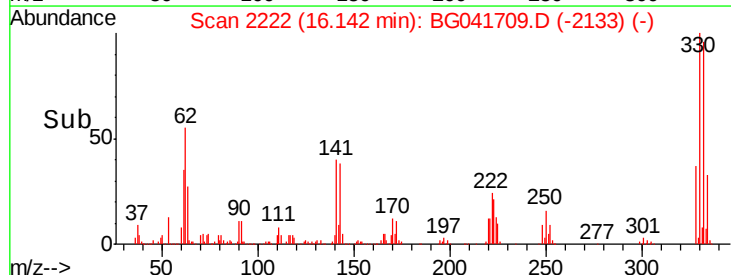
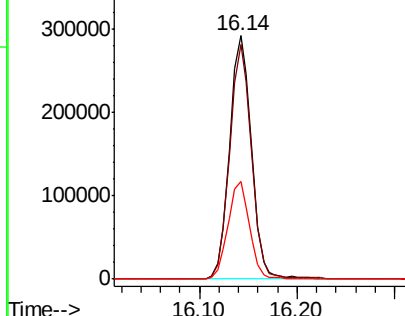


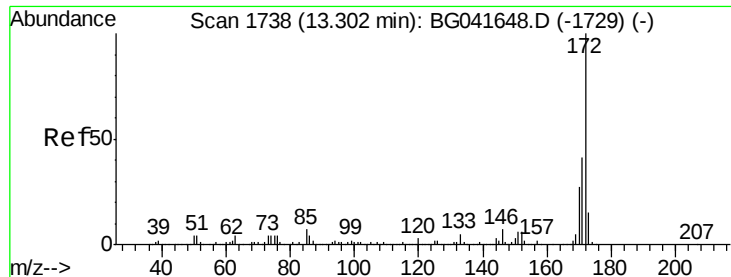
#42  
2,4,6-Tribromophenol  
Concen: 153.568 ng  
RT: 16.14 min Scan# 2222  
Delta R.T. -0.01 min  
Lab File: BG041709.D  
Acq: 18 Jul 2019 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 77.4  | 116.0 |
| 141     | 39.7  | 31.9  | 47.9  |



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

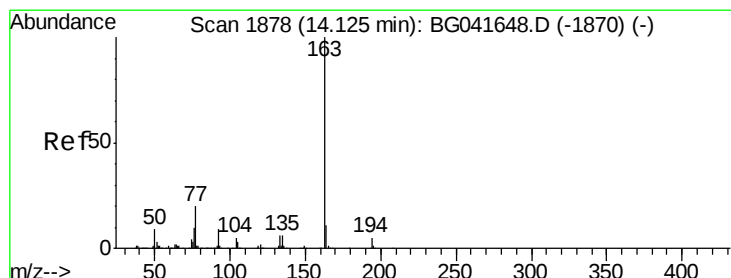
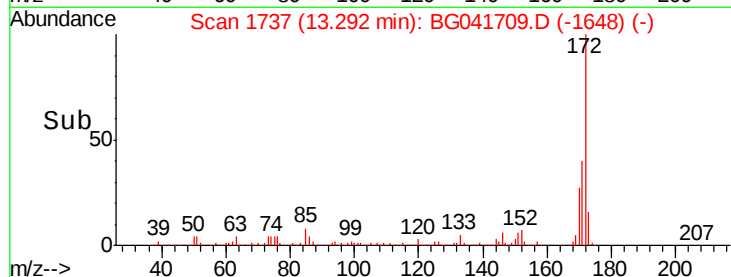
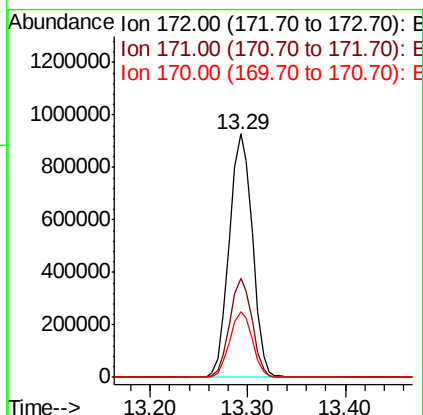
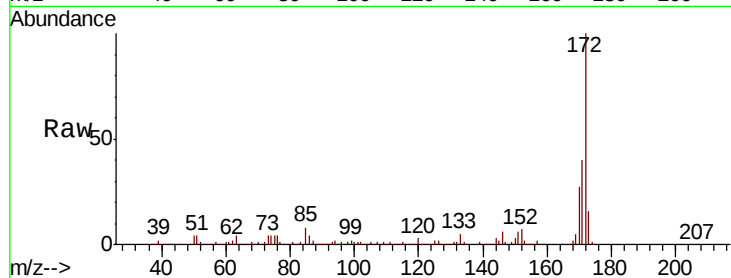




#45  
2-Fluorobiphenyl  
Concen: 90.366 ng  
RT: 13.29 min Scan# 1737  
Delta R.T. -0.01 min  
Lab File: BG041709.D  
Acq: 18 Jul 2019 14:35

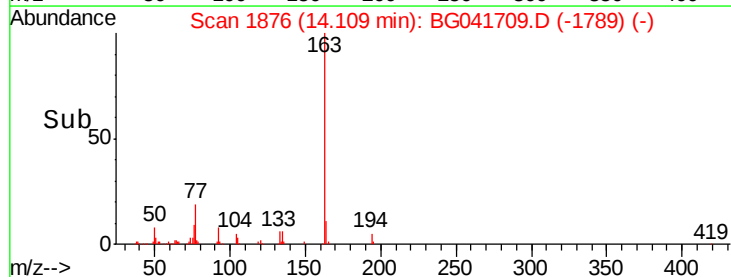
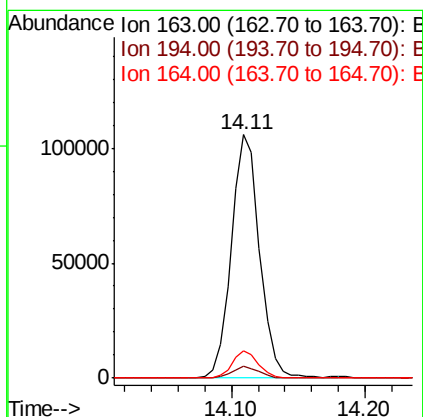
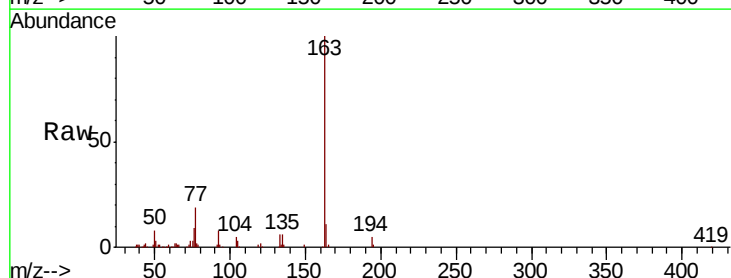
Instrument :  
BNA\_G  
ClientSampleId :

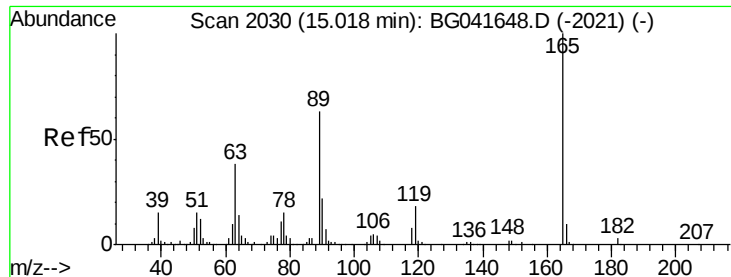
Tot Ion:172 Resp: 1532378  
Ion Ratio Lower Upper  
172 100  
171 40.5 35.0 52.4  
170 27.1 23.5 35.3



#50  
Dimethylphthalate  
Concen: 7.583 ng  
RT: 14.11 min Scan# 1876  
Delta R.T. -0.02 min  
Lab File: BG041709.D  
Acq: 18 Jul 2019 14:35

Tgt Ion:163 Resp: 156388  
Ion Ratio Lower Upper  
163 100  
194 4.8 4.2 6.2  
164 11.1 9.4 14.2

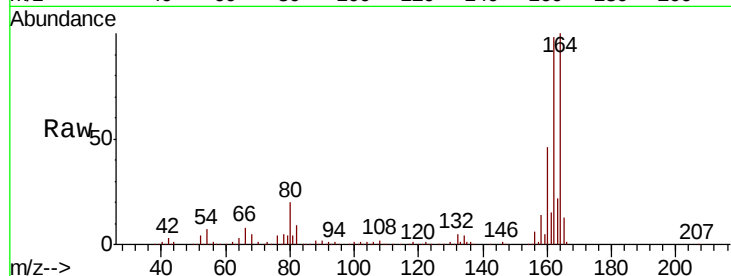




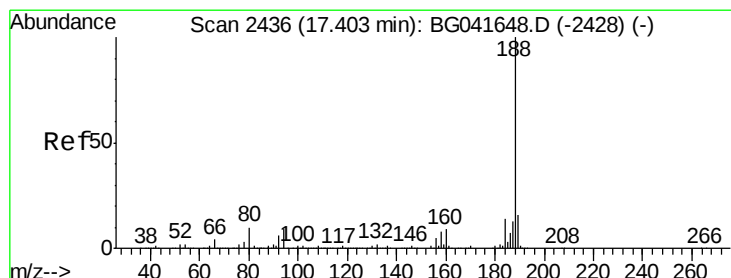
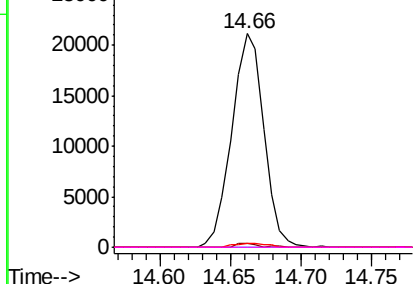
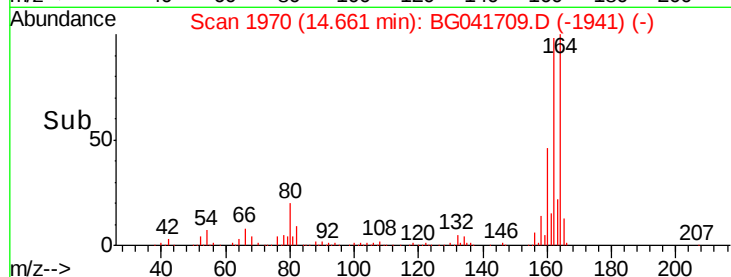
#57  
 2,4-Dinitrotoluene  
 Concen: 5.783 ng  
 RT: 14.66 min Scan# 1970  
 Delta R.T. -0.36 min  
 Lab File: BG041709.D  
 Acq: 18 Jul 2019 14:35

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 33438  
 Ion Ratio Lower Upper  
 165 100  
 63 1.7 31.7 47.5#  
 89 1.6 50.2 75.4#  
 182 0.0 2.6 4.0#

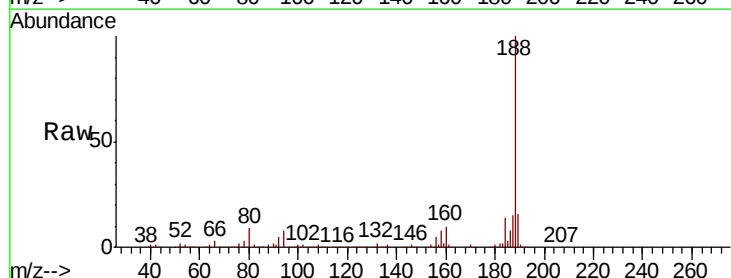


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

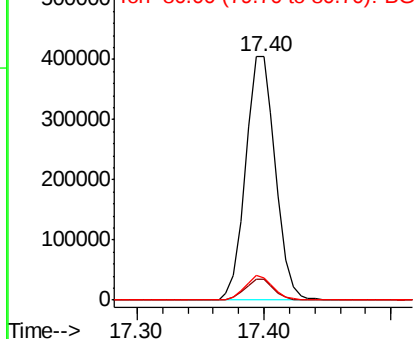
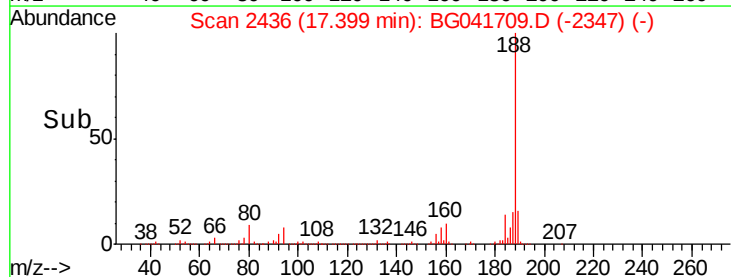


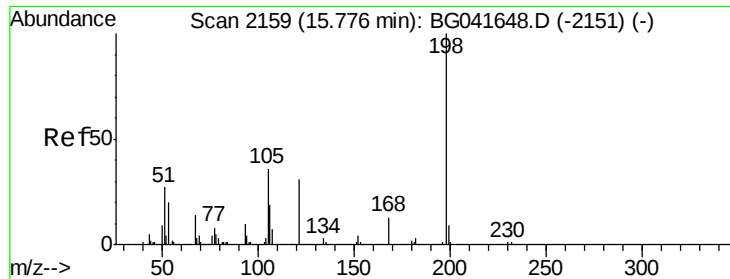
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.40 min Scan# 2436  
 Delta R.T. -0.01 min  
 Lab File: BG041709.D  
 Acq: 18 Jul 2019 14:35

Tgt Ion:188 Resp: 660833  
 Ion Ratio Lower Upper  
 188 100  
 94 8.5 6.9 10.3  
 80 9.2 8.0 12.0



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

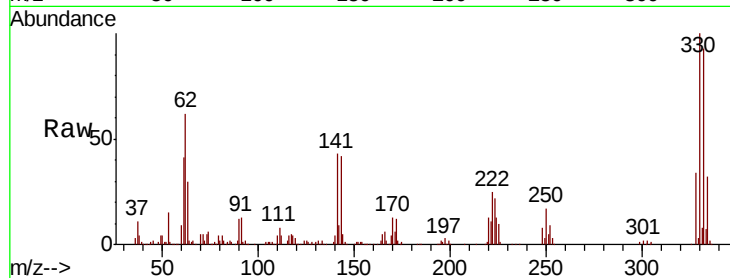




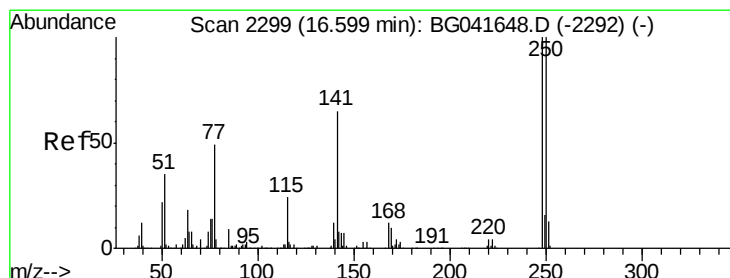
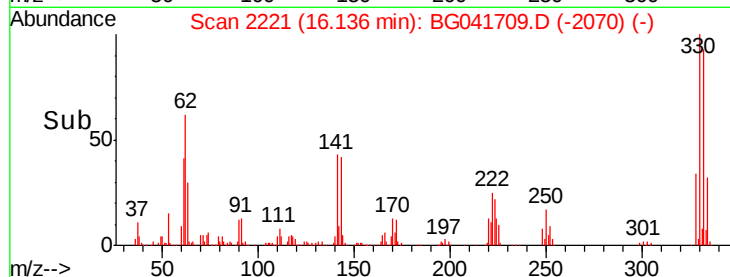
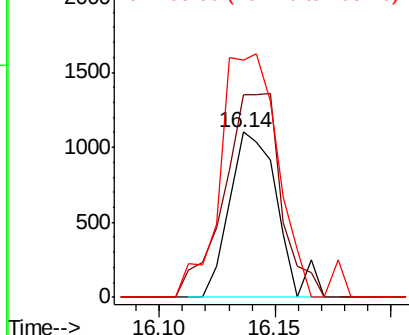
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.115 ng  
 RT: 16.14 min Scan# 2221  
 Delta R.T. 0.36 min  
 Lab File: BG041709.D  
 Acq: 18 Jul 2019 14:35

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:198 Resp: 1609  
 Ion Ratio Lower Upper  
 198 100  
 51 123.2 22.3 62.3#  
 105 143.7 18.0 58.0#

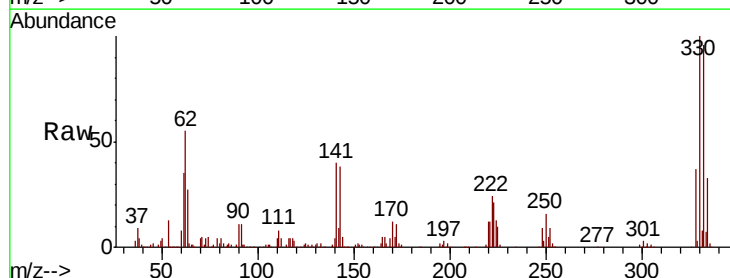


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BG041648.D (-2151) (-)  
 Ion 105.00 (104.70 to 105.70): E

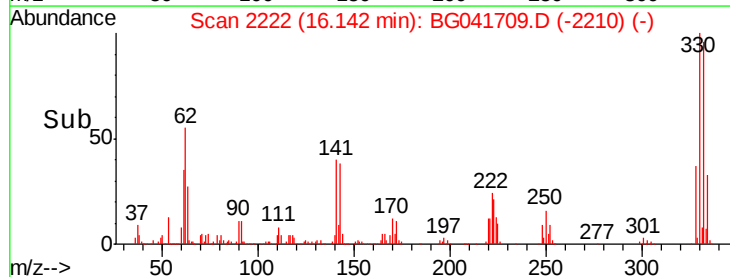
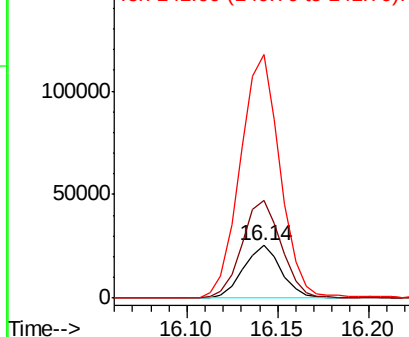


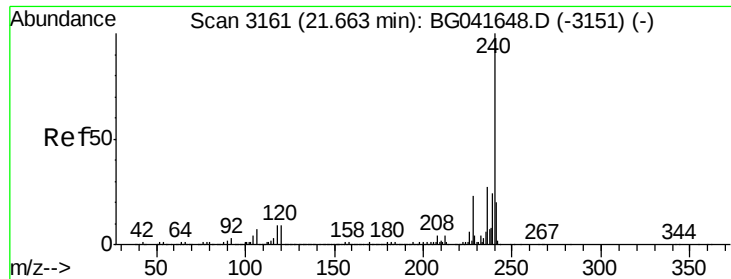
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.679 ng  
 RT: 16.14 min Scan# 2222  
 Delta R.T. -0.46 min  
 Lab File: BG041709.D  
 Acq: 18 Jul 2019 14:35

Tgt Ion:248 Resp: 36789  
 Ion Ratio Lower Upper  
 248 100  
 250 185.9 78.1 117.1#  
 141 464.9 49.6 74.4#



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

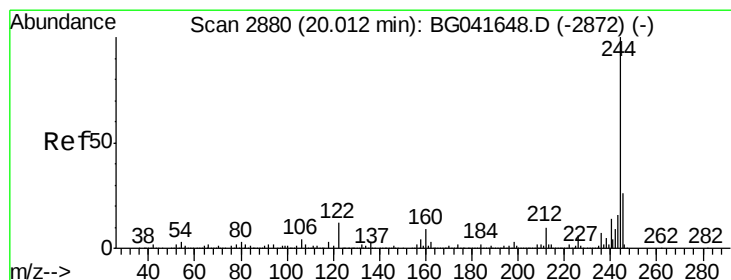
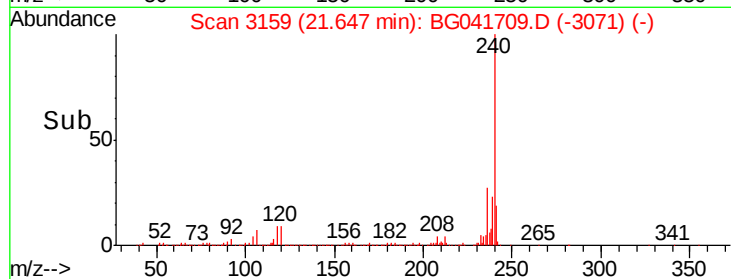
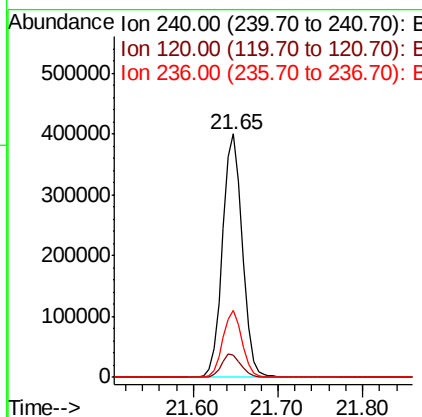
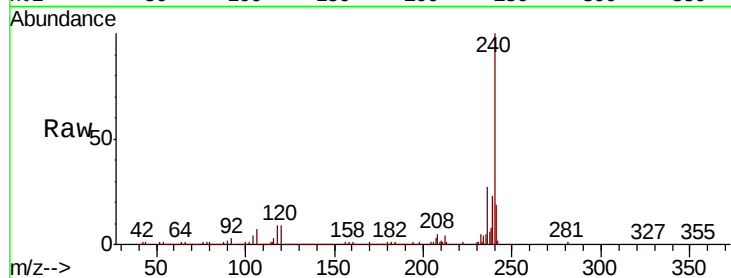




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.65 min Scan# 3159  
 Delta R.T. -0.01 min  
 Lab File: BG041709.D  
 Acq: 18 Jul 2019 14:35

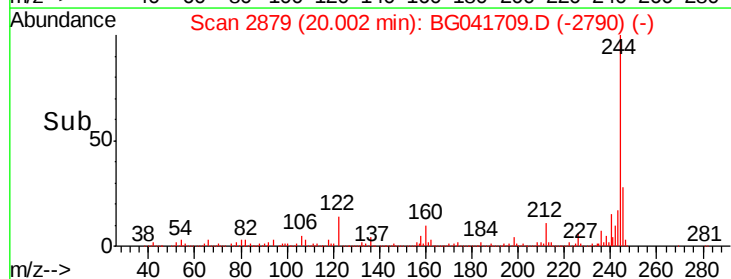
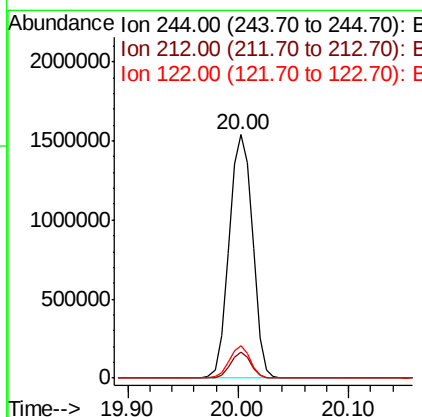
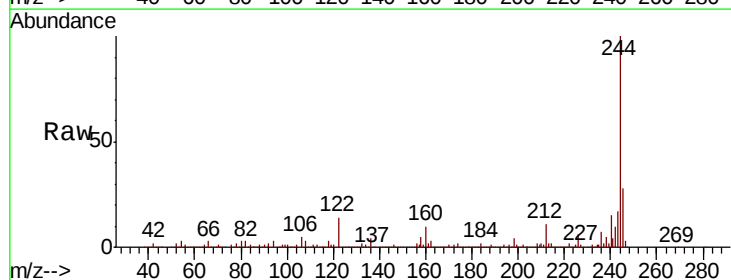
Instrument :  
 BNA\_G  
 ClientSampleId :

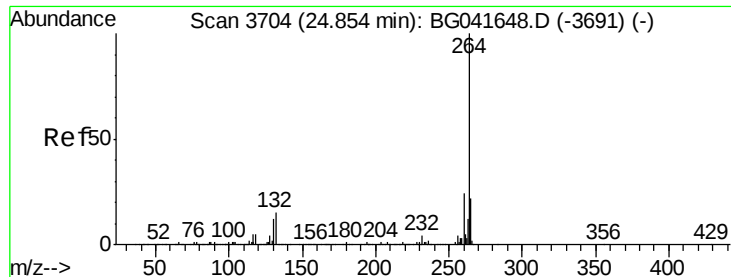
Tot Ion:240 Resp: 649506  
 Ion Ratio Lower Upper  
 240 100  
 120 9.0 8.0 12.0  
 236 27.3 22.6 33.8



#79  
 Terphenyl-d14  
 Concen: 83.095 ng  
 RT: 20.00 min Scan# 2879  
 Delta R.T. -0.01 min  
 Lab File: BG041709.D  
 Acq: 18 Jul 2019 14:35

Tgt Ion:244 Resp: 2309535  
 Ion Ratio Lower Upper  
 244 100  
 212 10.8 9.7 14.5  
 122 13.5 12.5 18.7





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.84 min Scan# 3702  
Delta R.T. -0.03 min  
Lab File: BG041709.D  
Acq: 18 Jul 2019 14:35

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.5  | 29.3  |
| 265     | 21.8  | 18.0  | 27.0  |

