

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021220\  
 Data File : BG044409.D  
 Acq On : 12 Feb 2020 15:12  
 Operator : CG/JU  
 Sample : L1491-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 13 01:04:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 70483    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.70 | 136  | 281009   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.54 | 164  | 189381   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.28 | 188  | 461751   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.53 | 240  | 469030   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.61 | 264  | 473865   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.48  | 112 | 101058 | 25.30 | ng | 0.00 |
| 7) Phenol-d6                | 7.07  | 99  | 129896 | 24.22 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.06  | 82  | 73317  | 14.73 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.03 | 330 | 45550  | 20.49 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.16 | 172 | 198840 | 17.58 | ng | 0.00 |
| 79) Terphenyl-d14           | 19.90 | 244 | 399913 | 17.54 | ng | 0.00 |

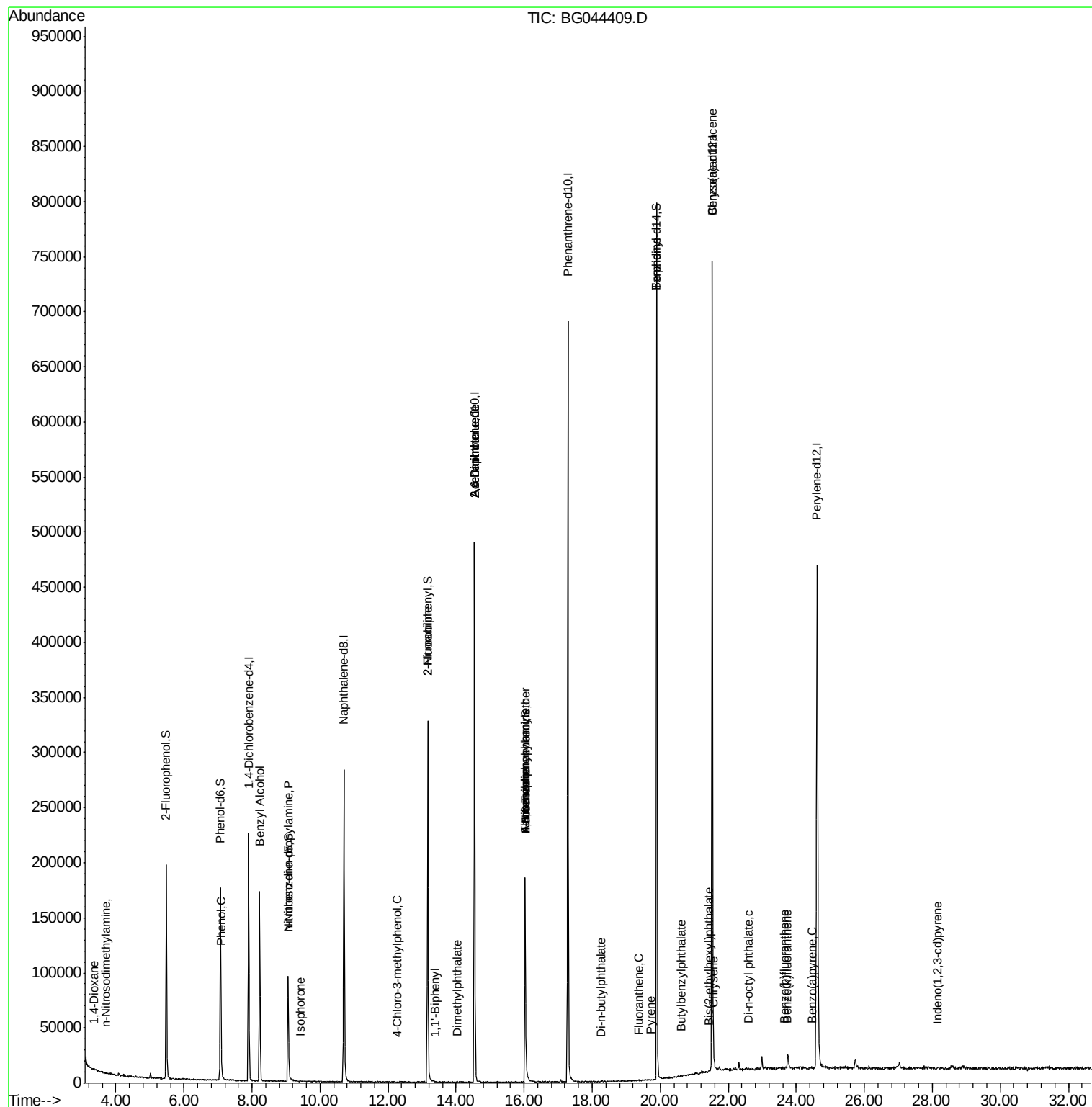
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.36  | 88  | 95    | 0.053  | ng | # 1  |
| 4) n-Nitrosodimethylamine      | 3.70  | 42  | 115   | 0.058  | ng | # 1  |
| 10) Phenol                     | 7.09  | 94  | 54    | 0.010  | ng | # 1  |
| 15) Benzyl Alcohol             | 8.23  | 79  | 1444  | 0.380  | ng | # 48 |
| 19) n-Nitroso-di-n-propylamine | 9.06  | 70  | 9360  | 2.619  | ng | # 71 |
| 25) Isophorone                 | 9.43  | 82  | 116   | 0.013  | ng | # 64 |
| 36) 4-Chloro-3-methylphenol    | 12.26 | 107 | 56    | 0.012  | ng | # 17 |
| 46) 1,1'-Biphenyl              | 13.39 | 154 | 409   | 0.030  | ng | # 41 |
| 48) 2-Nitroaniline             | 13.16 | 65  | 308   | 0.096  | ng | # 22 |
| 50) Dimethylphthalate          | 14.03 | 163 | 1001  | 0.074  | ng | # 76 |
| 51) 2,6-Dinitrotoluene         | 14.54 | 165 | 24421 | 8.046  | ng | # 29 |
| 52) Acenaphthene               | 14.54 | 154 | 650   | 0.063  | ng | # 5  |
| 57) 2,4-Dinitrotoluene         | 14.54 | 165 | 24421 | 5.740  | ng | # 27 |
| 58) Fluorene                   | 16.04 | 166 | 1853  | 0.150  | ng | # 95 |
| 63) Azobenzene                 | 16.03 | 77  | 58    | 0.005  | ng | # 13 |
| 66) n-Nitrosodiphenylamine     | 16.03 | 169 | 1292  | 0.100  | ng | # 35 |
| 67) 4-Bromophenyl-phenylether  | 16.03 | 248 | 3102  | 0.617  | ng | # 1  |
| 74) Di-n-butylphthalate        | 18.27 | 149 | 70    | 0.003  | ng | # 75 |
| 75) Fluoranthene               | 19.37 | 202 | 396   | 0.015  | ng | # 62 |
| 77) Benzidine                  | 19.90 | 184 | 5524  | 0.425  | ng | # 87 |
| 78) Pyrene                     | 19.71 | 202 | 217   | 0.007  | ng | # 53 |
| 80) Butylbenzylphthalate       | 20.63 | 149 | 118   | 0.009  | ng | # 25 |
| 81) Benzo(a)anthracene         | 21.52 | 228 | 1983  | 0.069  | ng | # 61 |
| 83) Chrysene                   | 21.58 | 228 | 771   | 0.028  | ng | # 46 |
| 84) Bis(2-ethylhexyl)phthalate | 21.43 | 149 | 763   | 0.040  | ng | # 82 |
| 85) Di-n-octyl phthalate       | 22.59 | 149 | 599   | 0.018  | ng | # 78 |
| 86) Indeno(1,2,3-cd)pyrene     | 28.14 | 276 | 67    | 0.002  | ng | # 50 |
| 88) Benzo(b)fluoranthene       | 23.66 | 252 | 590   | 0.022  | ng | # 58 |
| 89) Benzo(k)fluoranthene       | 23.72 | 252 | 800   | 0.030  | ng | # 58 |
| 90) Benzo(a)pyrene             | 24.47 | 252 | 316   | 0.012  | ng | # 59 |

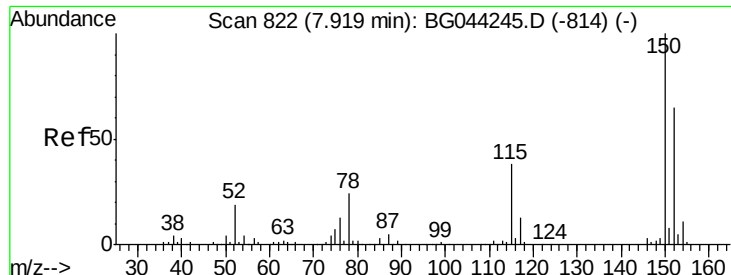
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021220\  
Data File : BG044409.D  
Acq On : 12 Feb 2020 15:12  
Operator : CG/JU  
Sample : L1491-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Feb 13 01:04:43 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 10 16:11:50 2020  
Response via : Initial Calibration

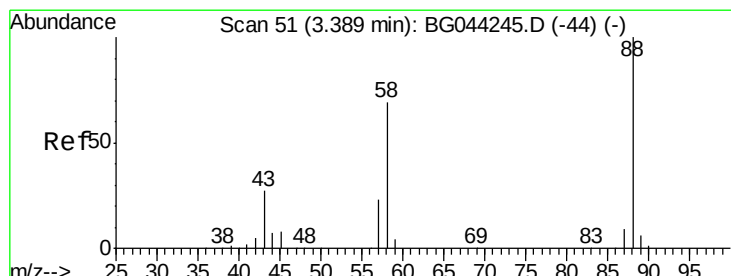
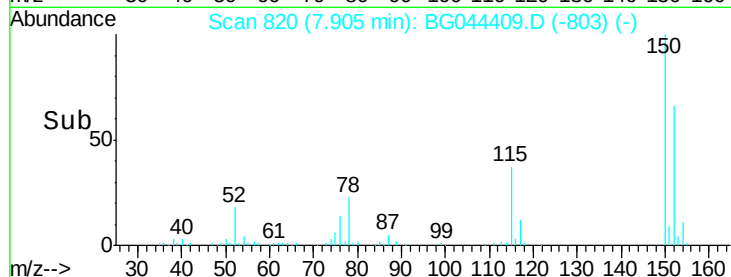
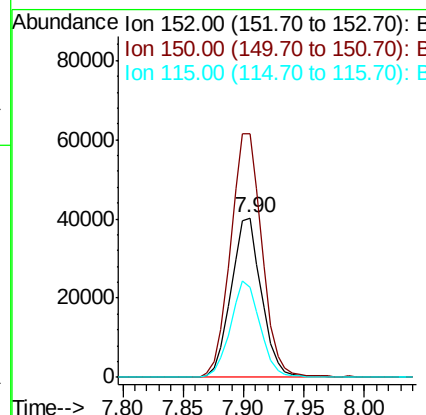
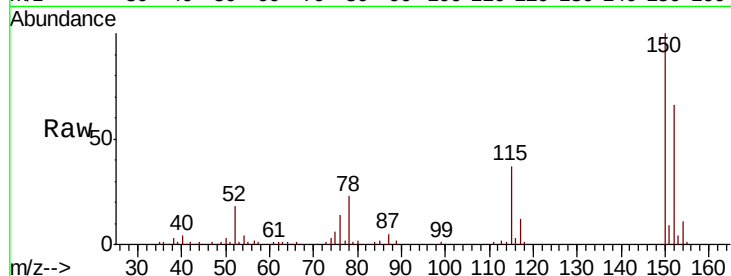




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.90 min Scan# 820  
 Delta R.T. -0.00 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

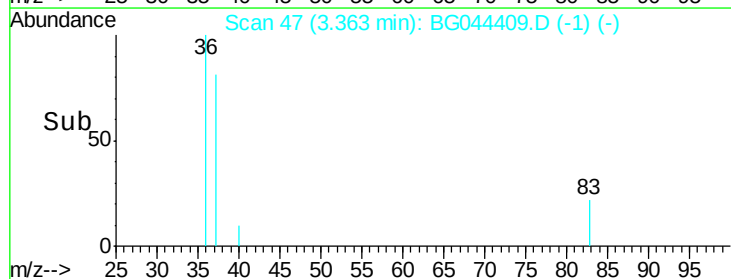
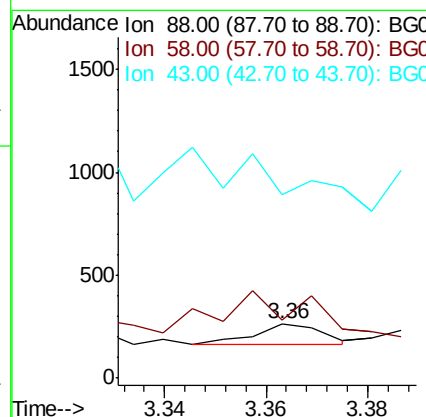
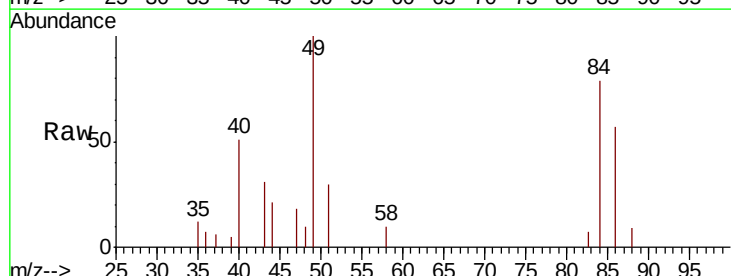
Instrument :  
 BNA\_G  
 ClientSampled :

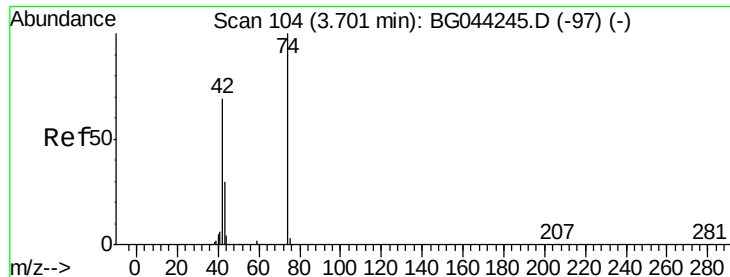
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.6 | 122.6 | 183.8 |
| 115     | 56.3  | 46.0  | 69.0  |



#2  
 1,4-Dioxane  
 Concen: 0.053 ng  
 RT: 3.36 min Scan# 47  
 Delta R.T. -0.00 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 289.5 | 55.8  | 83.6# |
| 43      | 0.0   | 21.6  | 32.4# |





#4

n-Nitrosodimethylamine

Concen: 0.058 ng

RT: 3.70 min Scan# 104

Delta R.T. 0.02 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Instrument :

BNA\_G

ClientSampled :

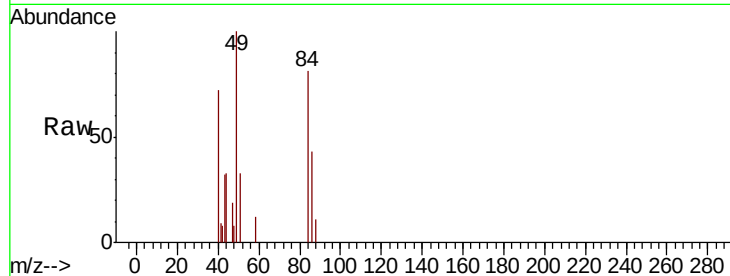
Tot Ion: 42 Resp: 115

Ion Ratio Lower Upper

42 100

74 0.0 115.1 172.7#

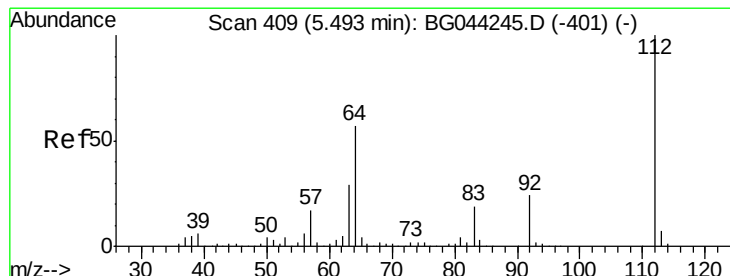
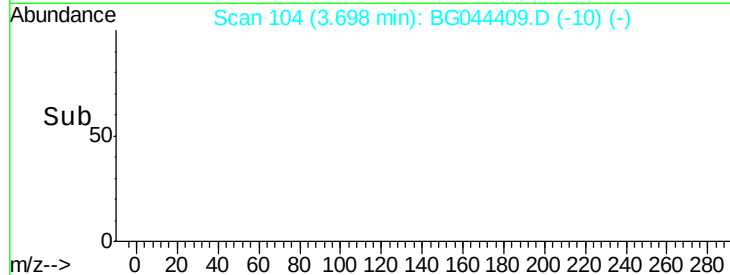
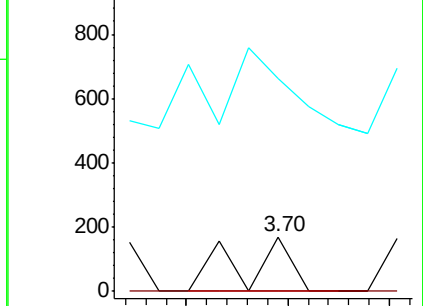
44 391.1 5.6 8.4#



Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 25.304 ng

RT: 5.48 min Scan# 407

Delta R.T. -0.00 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

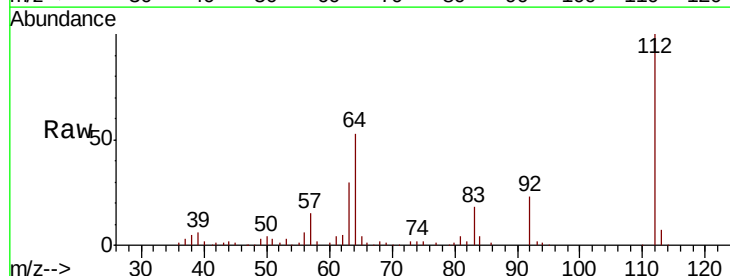
Tgt Ion: 112 Resp: 101058

Ion Ratio Lower Upper

112 100

64 52.7 45.4 68.2

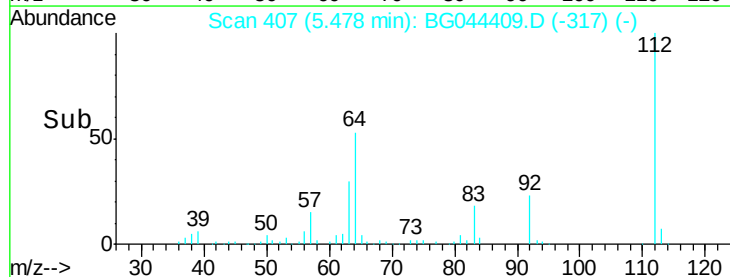
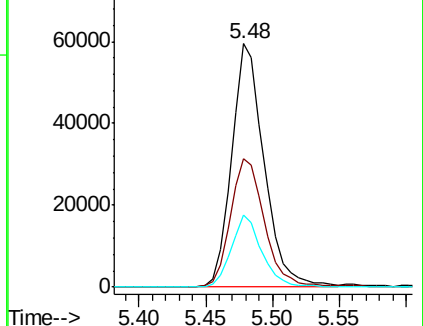
63 29.5 22.9 34.3

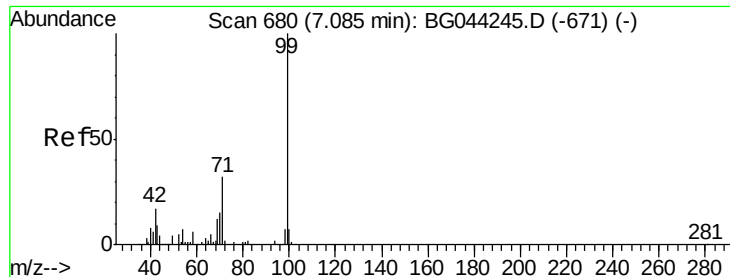


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 24.221 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.01 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Instrument :

BNA\_G

ClientSampleId :

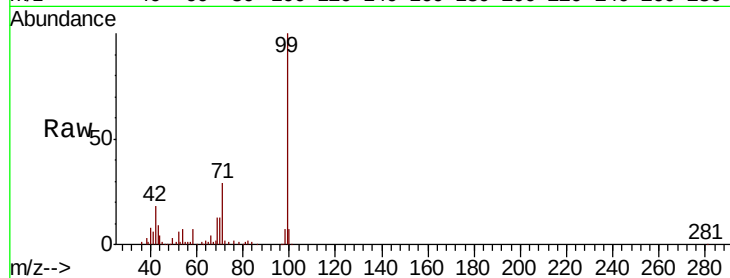
Tot Ion: 99 Resp: 129896

Ion Ratio Lower Upper

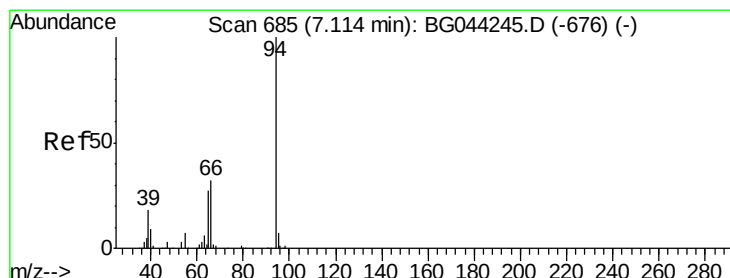
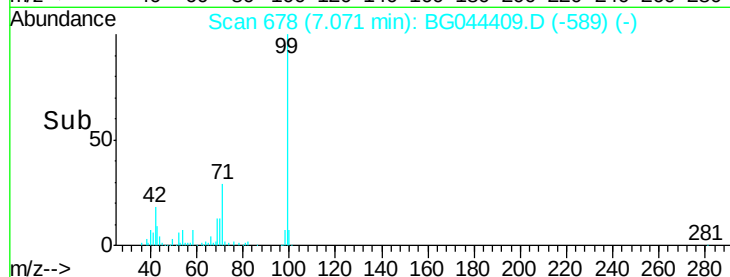
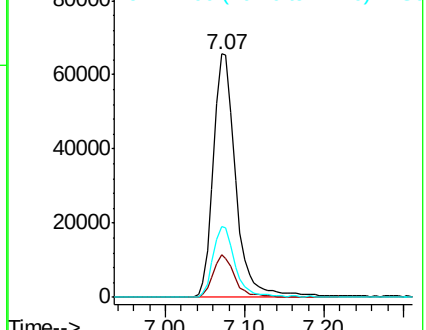
99 100

42 17.6 13.8 20.6

71 29.0 25.5 38.3



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: 0.010 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

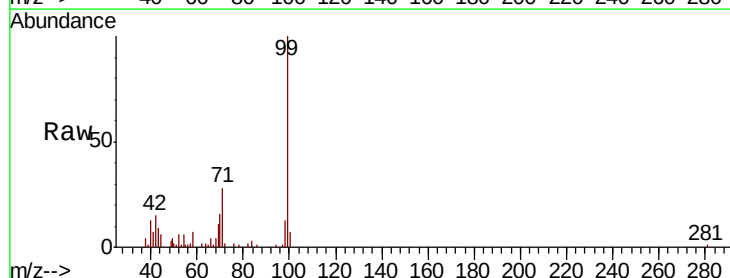
Tgt Ion: 94 Resp: 54

Ion Ratio Lower Upper

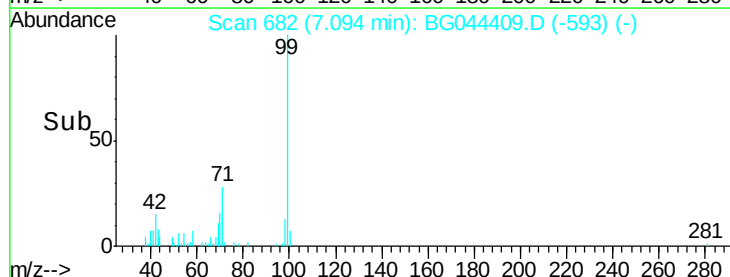
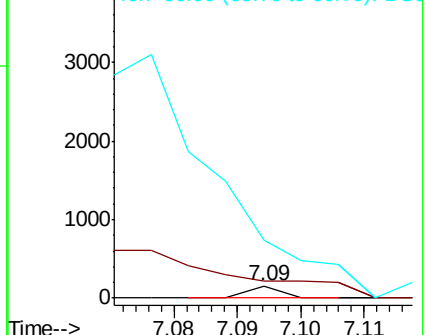
94 100

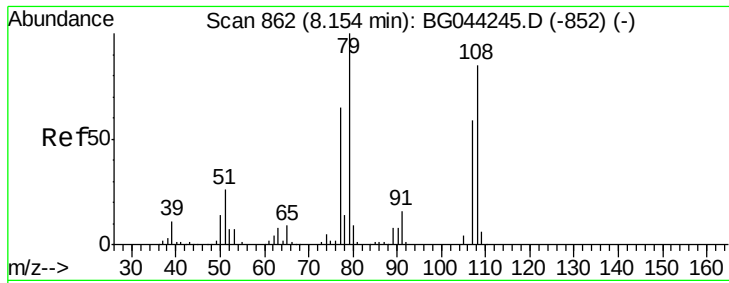
65 146.1 7.0 47.0#

66 490.1 12.7 52.7#



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





#15

Benzyl Alcohol

Concen: 0.380 ng

RT: 8.23 min Scan# 875

Delta R.T. 0.09 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Instrument :

BNA\_G

ClientSampleId :

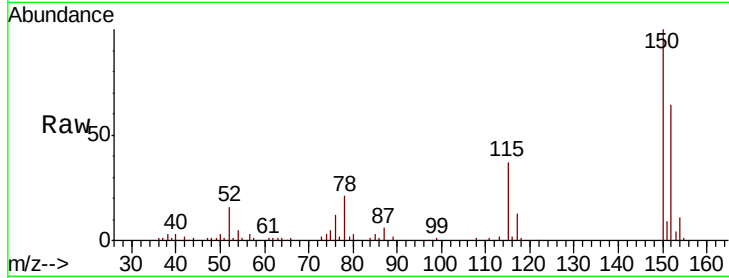
Tot Ion: 79 Resp: 1444

Ion Ratio Lower Upper

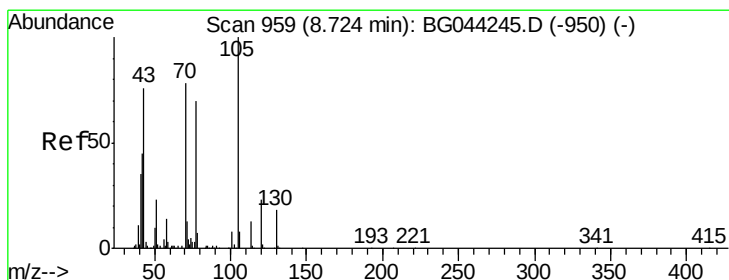
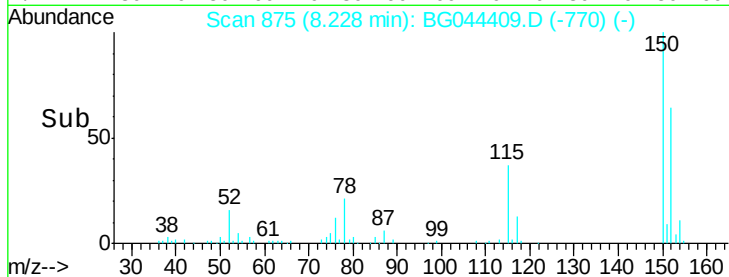
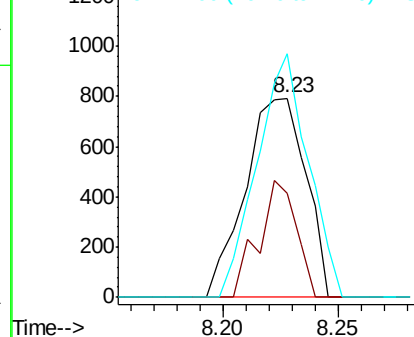
79 100

108 52.3 68.3 102.5#

77 122.3 51.8 77.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 2.619 ng

RT: 9.06 min Scan# 1017

Delta R.T. 0.35 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Tgt Ion: 70 Resp: 9360

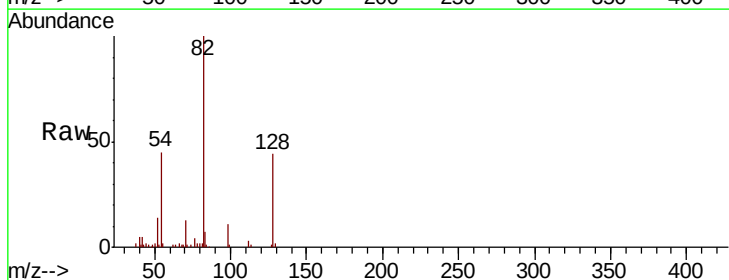
Ion Ratio Lower Upper

70 100

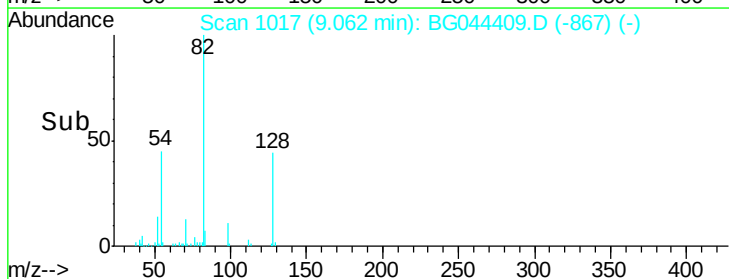
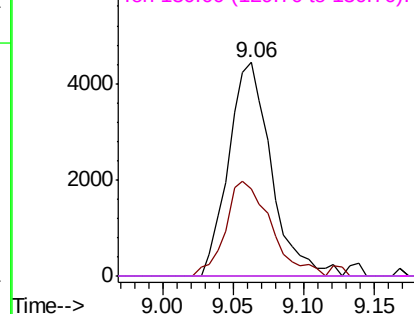
42 41.0 46.2 69.2#

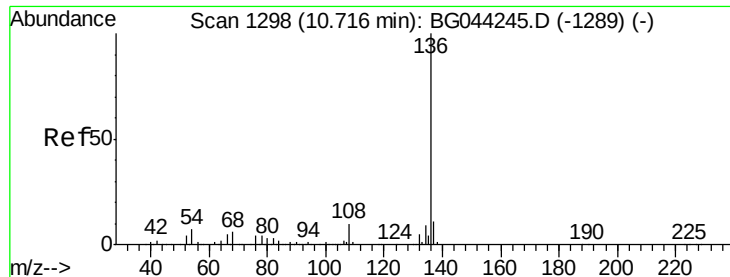
101 0.0 8.4 12.6#

130 0.0 17.8 26.8#



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

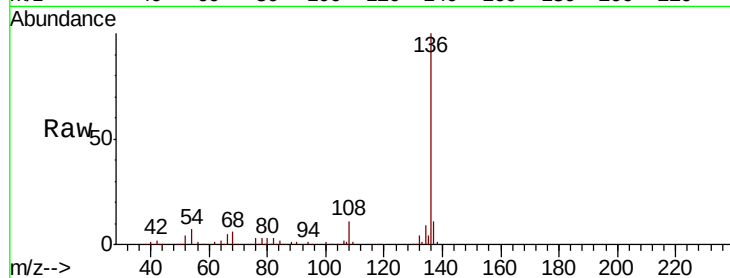




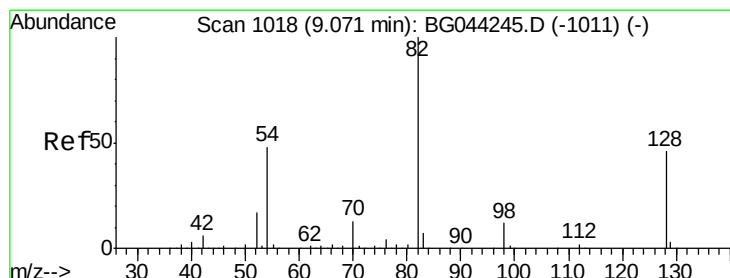
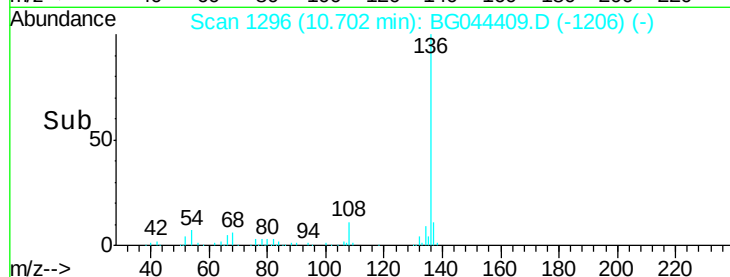
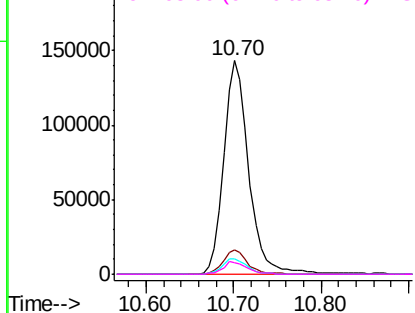
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.70 min Scan# 1296  
Delta R.T. -0.00 min  
Lab File: BG044409.D  
Acq: 12 Feb 2020 15:12

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 281009      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.5  | 8.8 13.2    |
| 54          | 7.3   | 5.8 8.8     |
| 68          | 5.5   | 4.6 6.8     |

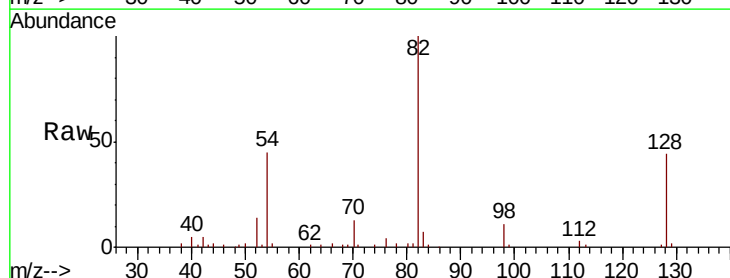


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

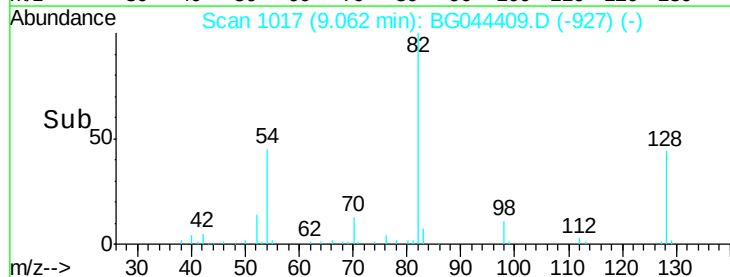
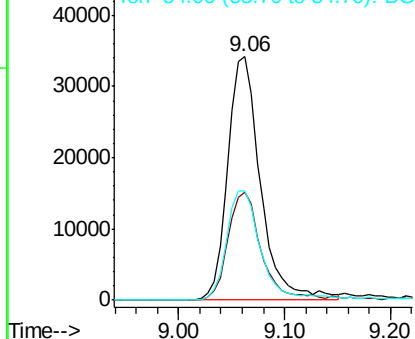


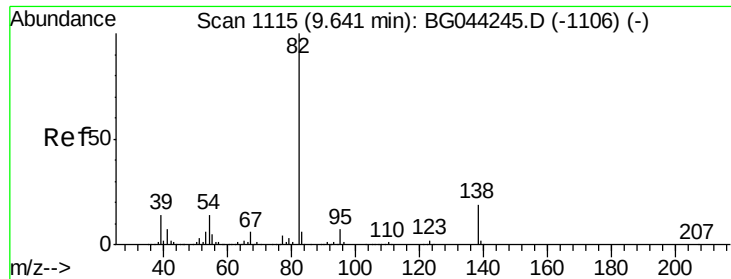
#23  
Nitrobenzene-d5  
Concen: 14.730 ng  
RT: 9.06 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: BG044409.D  
Acq: 12 Feb 2020 15:12

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 73317       |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 44.4  | 36.5 54.7   |
| 54          | 45.0  | 38.6 58.0   |



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





#25

Isophorone

Concen: 0.013 ng

RT: 9.43 min Scan# 1079

Delta R.T. -0.21 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Instrument :

BNA\_G

ClientSampleId :

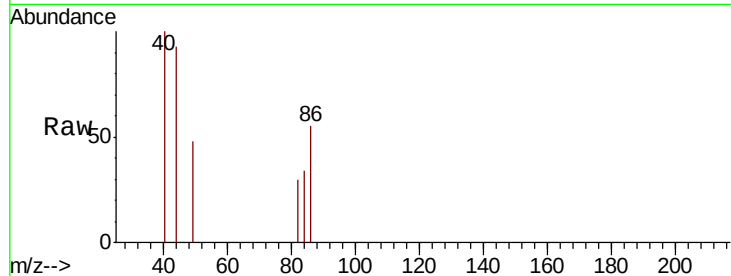
Tot Ion: 82 Resp: 116

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

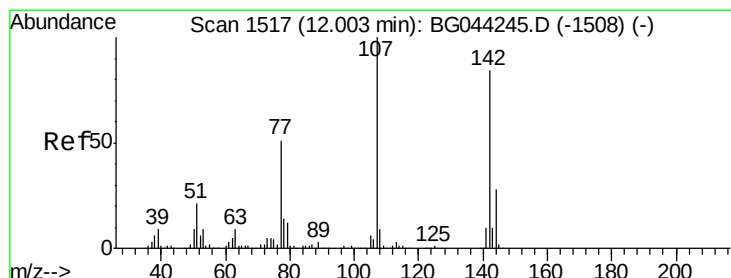
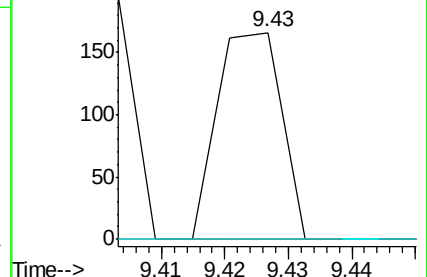
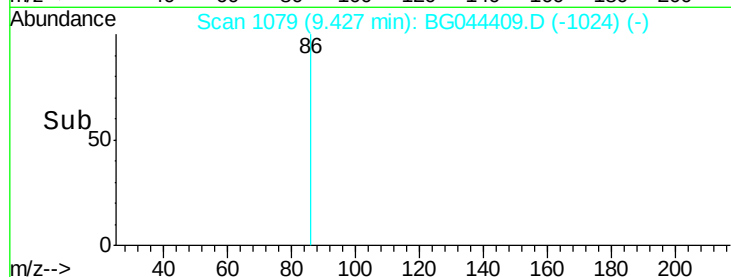
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BG044409.D (-1024) (-)

Ion 95.00 (94.70 to 95.70): BG044409.D (-1024) (-)

Ion 138.00 (137.70 to 138.70): BG044409.D (-1024) (-)



#36

4-Chloro-3-methylphenol

Concen: 0.012 ng

RT: 12.26 min Scan# 1562

Delta R.T. 0.27 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

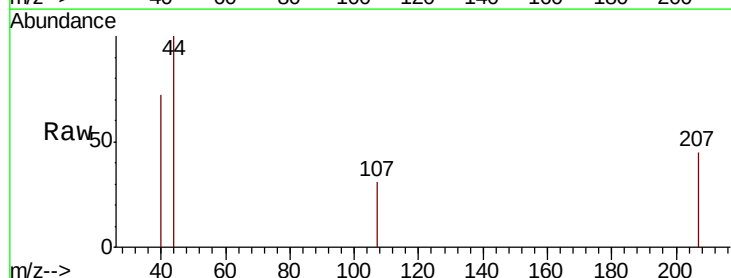
Tgt Ion: 107 Resp: 56

Ion Ratio Lower Upper

107 100

144 0.0 22.2 33.4#

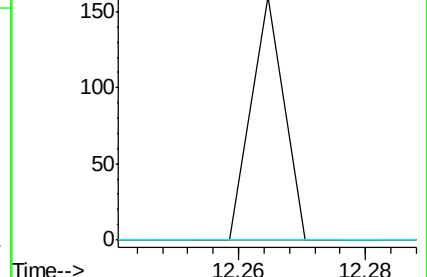
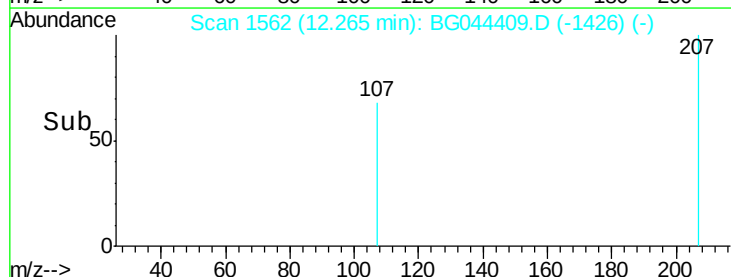
142 0.0 67.4 101.0#



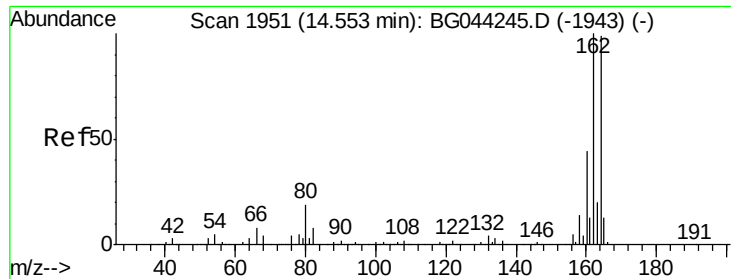
Abundance Ion 107.00 (106.70 to 107.70): BG044409.D (-1426) (-)

Ion 144.00 (143.70 to 144.70): BG044409.D (-1426) (-)

Ion 142.00 (141.70 to 142.70): BG044409.D (-1426) (-)







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Instrument :

BNA\_G

ClientSampleId :

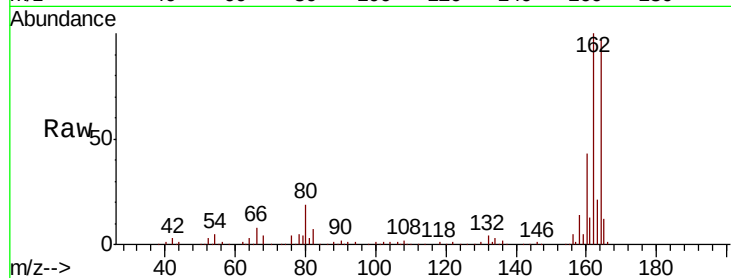
Tot Ion:164 Resp: 189381

Ion Ratio Lower Upper

164 100

162 103.3 80.7 121.1

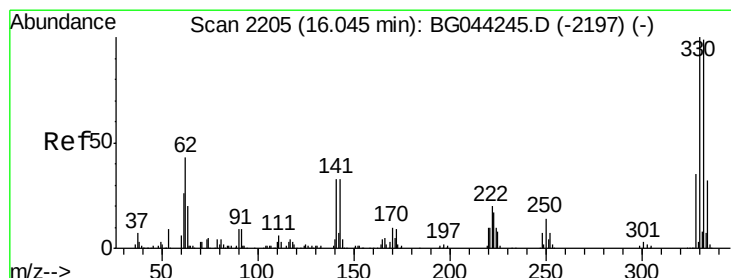
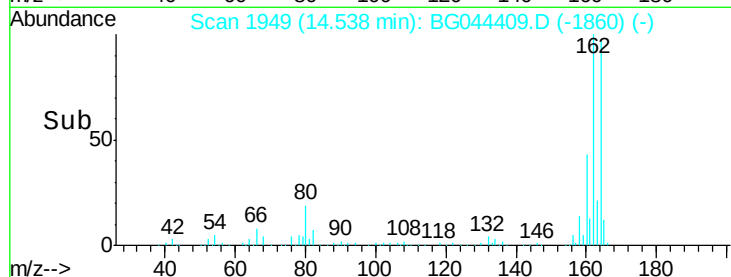
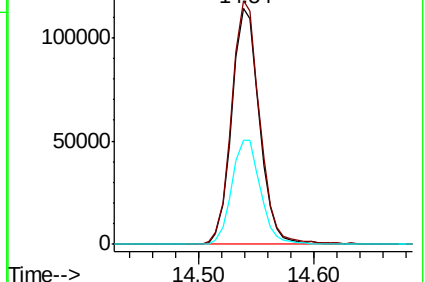
160 44.1 35.3 52.9



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



#42

2,4,6-Tribromophenol

Concen: 20.488 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

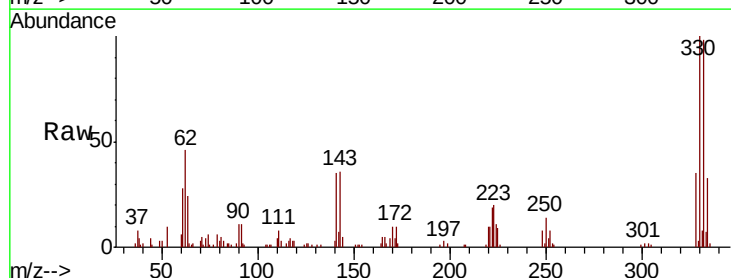
Tgt Ion:330 Resp: 45550

Ion Ratio Lower Upper

330 100

332 99.9 77.2 115.8

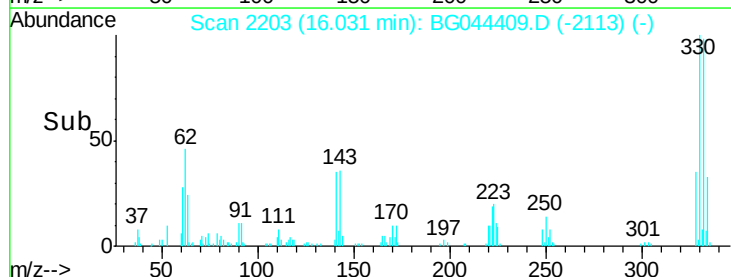
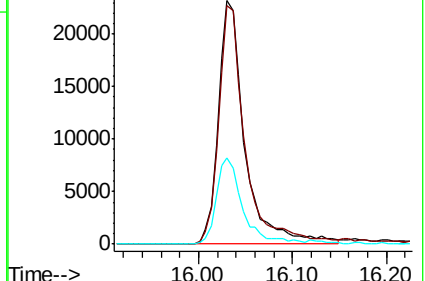
141 35.3 28.3 42.5

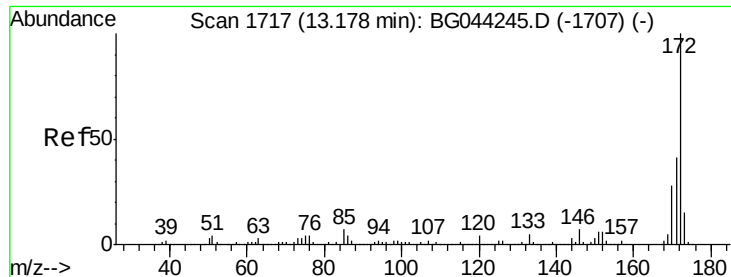


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

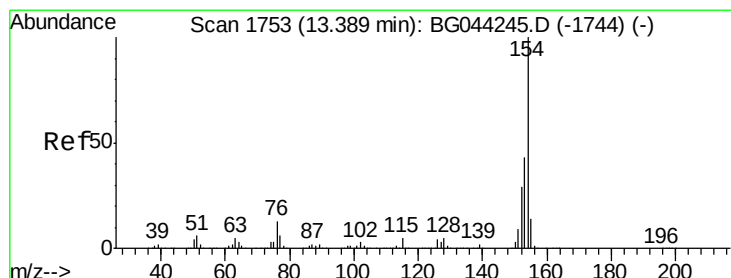
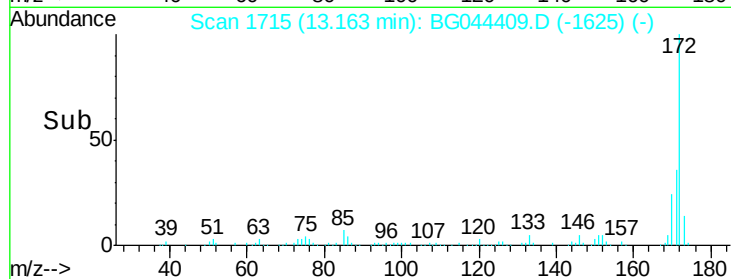
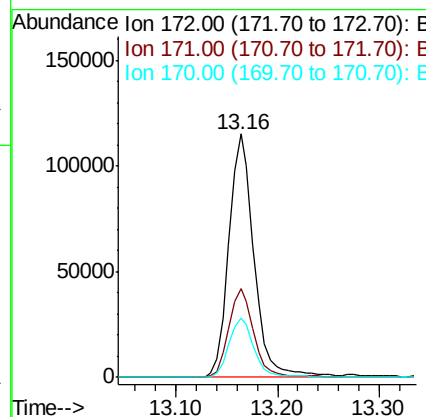
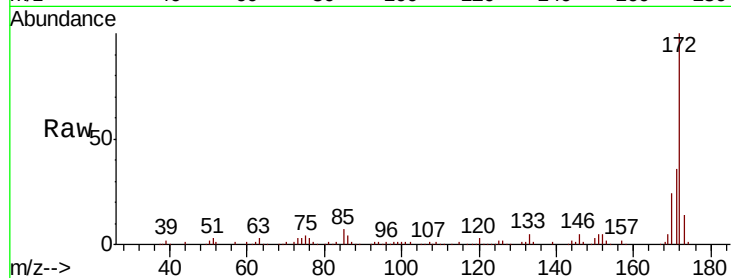




#45  
 2-Fluorobiphenyl  
 Concen: 17.582 ng  
 RT: 13.16 min Scan# 1715  
 Delta R.T. -0.00 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

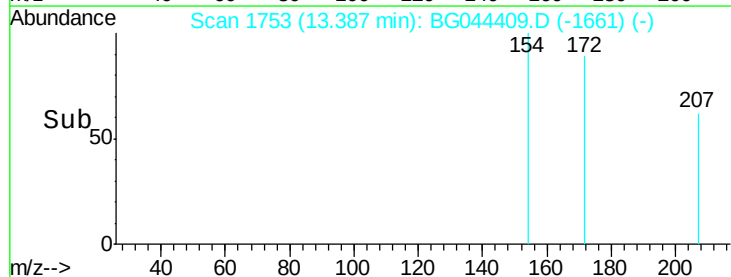
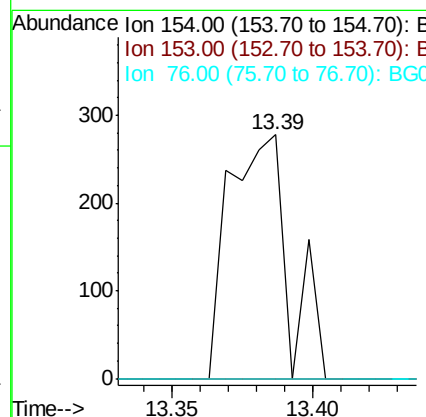
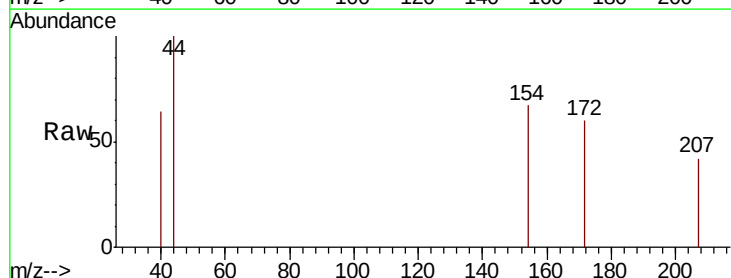
Instrument :  
 BNA\_G  
 ClientSampleId :

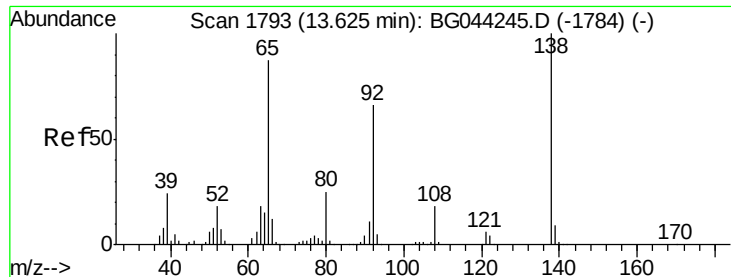
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 32.9  | 49.3  |
| 170     | 24.4  | 22.0  | 33.0  |



#46  
 1,1'-Biphenyl  
 Concen: 0.030 ng  
 RT: 13.39 min Scan# 1753  
 Delta R.T. 0.01 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 0.0   | 22.7  | 62.7# |
| 76      | 0.0   | 0.0   | 32.9  |

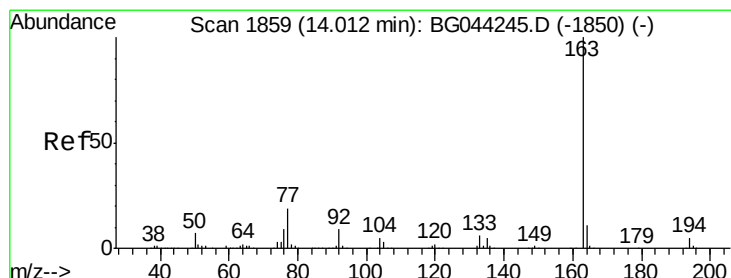
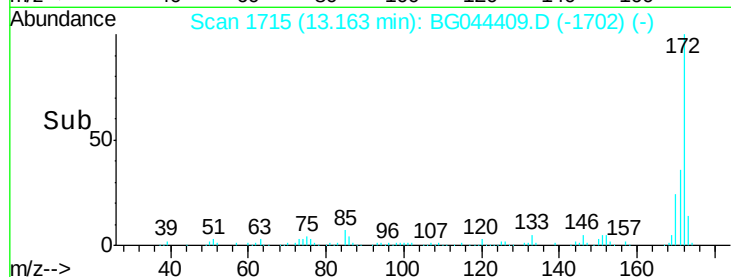
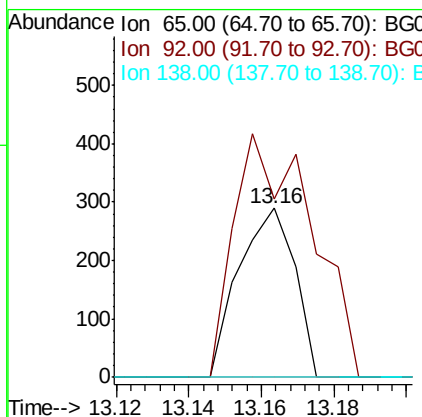
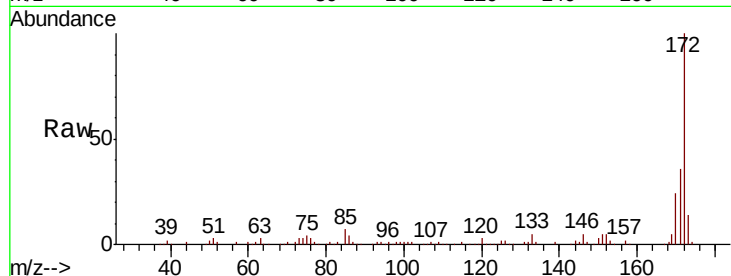




#48  
 2-Nitroaniline  
 Concen: 0.096 ng  
 RT: 13.16 min Scan# 1715  
 Delta R.T. -0.45 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

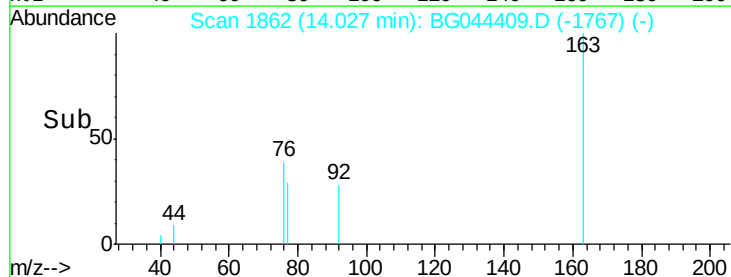
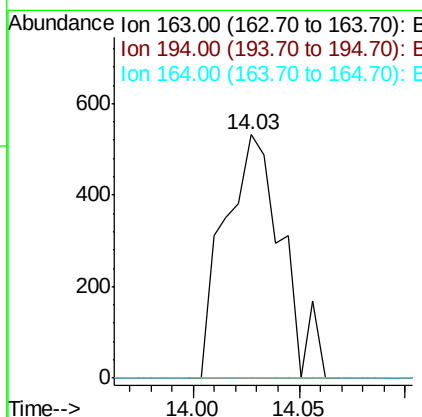
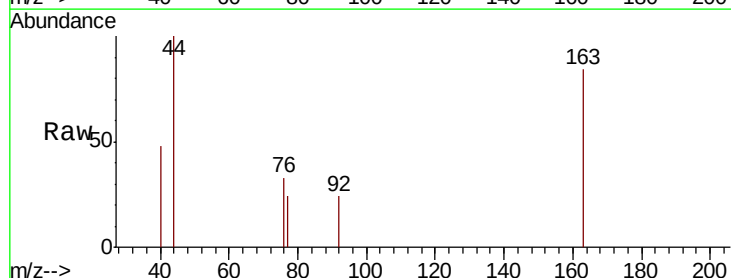
Instrument :  
 BNA\_G  
 ClientSampled :

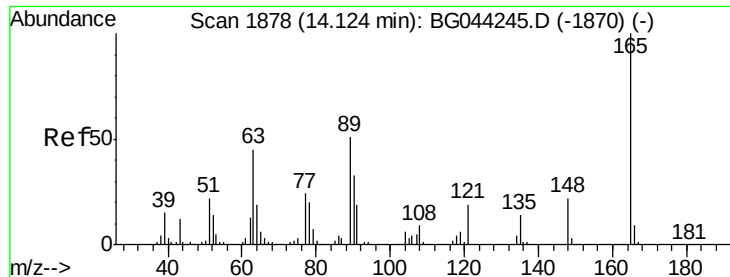
Tot Ion: 65 Resp: 308  
 Ion Ratio Lower Upper  
 65 100  
 92 105.5 60.3 90.5#  
 138 0.0 91.9 137.9#



#50  
 Dimethylphthalate  
 Concen: 0.074 ng  
 RT: 14.03 min Scan# 1862  
 Delta R.T. 0.03 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

Tgt Ion: 163 Resp: 1001  
 Ion Ratio Lower Upper  
 163 100  
 194 0.0 3.6 5.4#  
 164 0.0 8.7 13.1#

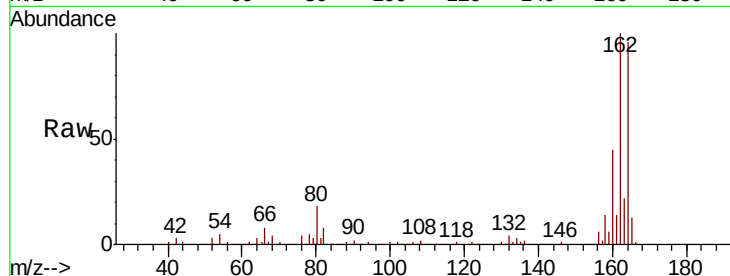




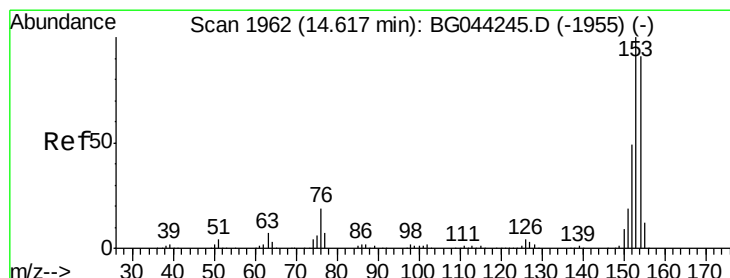
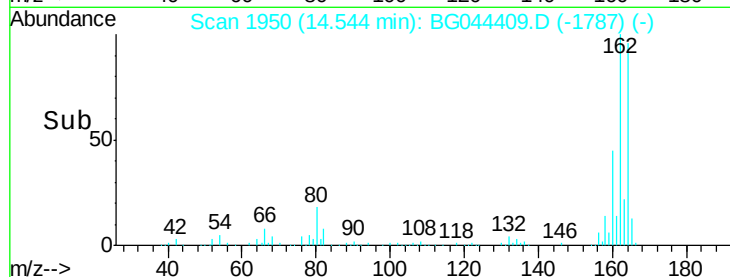
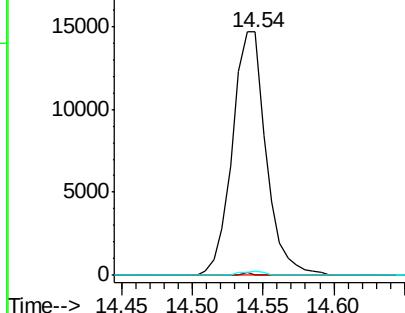
#51  
 2,6-Dinitrotoluene  
 Concen: 8.046 ng  
 RT: 14.54 min Scan# 1950  
 Delta R.T. 0.43 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 24421  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 38.7 58.1#  
 89 1.7 40.4 60.6#

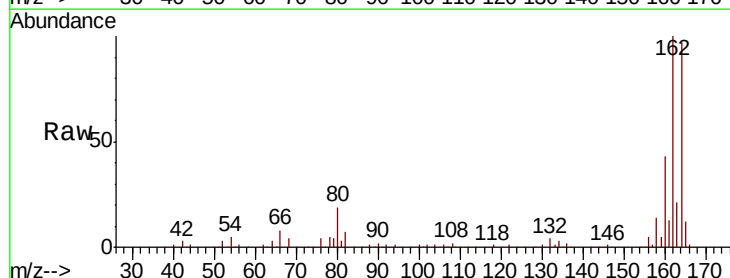


Abundance Ion 165.00 (164.70 to 165.70): E  
 20000 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

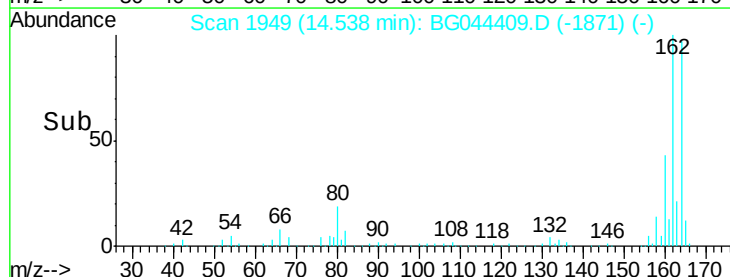
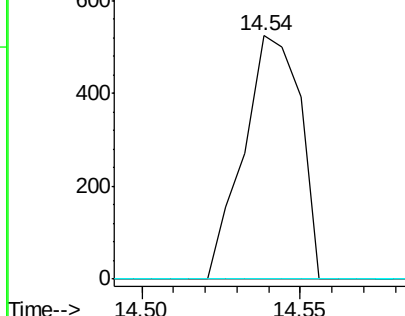


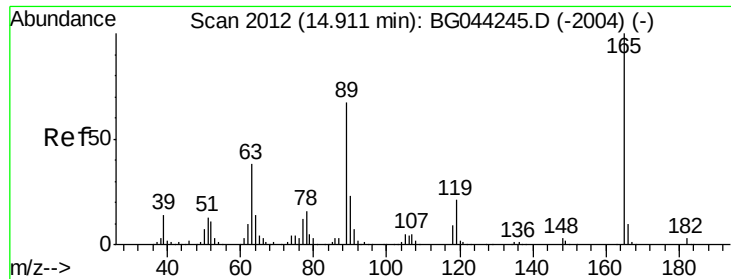
#52  
 Acenaphthene  
 Concen: 0.063 ng  
 RT: 14.54 min Scan# 1949  
 Delta R.T. -0.07 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

Tgt Ion:154 Resp: 650  
 Ion Ratio Lower Upper  
 154 100  
 153 0.0 87.9 131.9#  
 152 0.0 43.1 64.7#



Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 152.00 (151.70 to 152.70): E





#57

2,4-Dinitrotoluene

Concen: 5.740 ng

RT: 14.54 min Scan# 1950

Delta R.T. -0.36 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:165 Resp: 24421

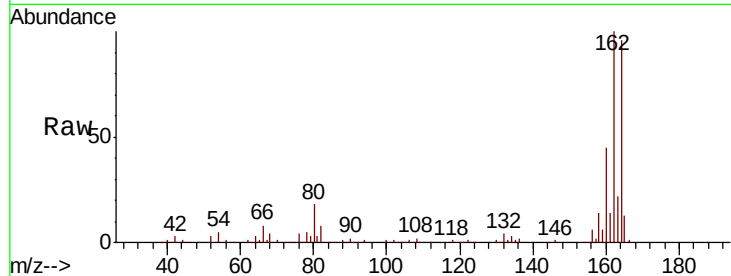
Ion Ratio Lower Upper

165 100

63 0.0 30.3 45.5#

89 1.7 53.4 80.2#

182 0.0 2.1 3.1#

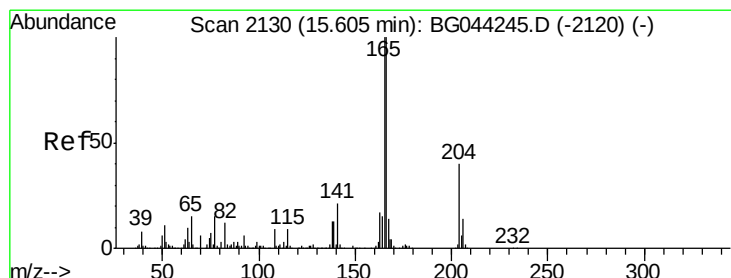
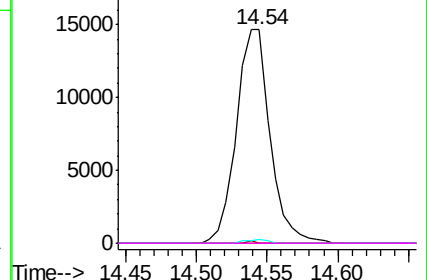
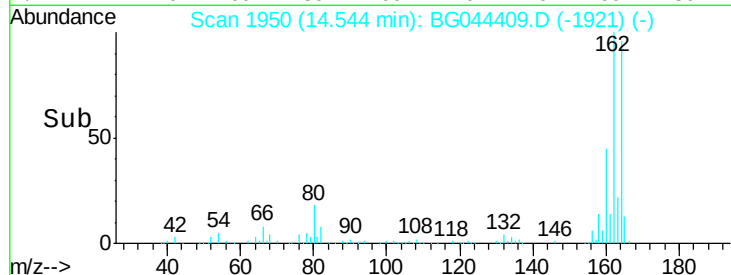


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: 0.150 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.45 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

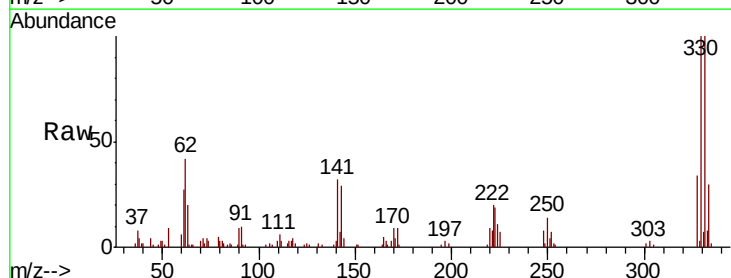
Tgt Ion:166 Resp: 1853

Ion Ratio Lower Upper

166 100

165 101.1 79.9 119.9

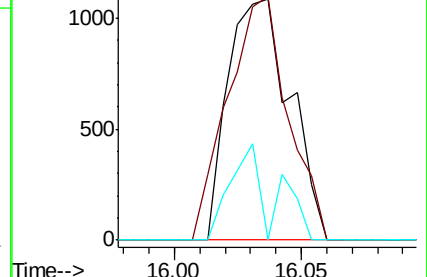
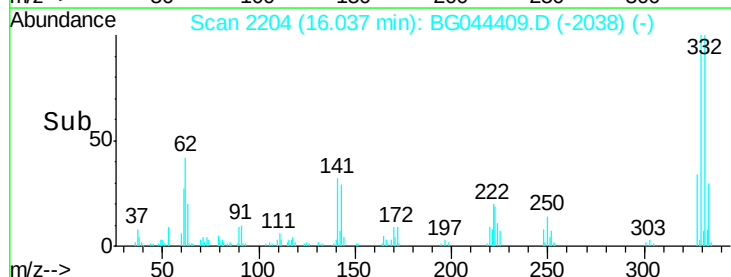
167 0.0 11.4 17.0#

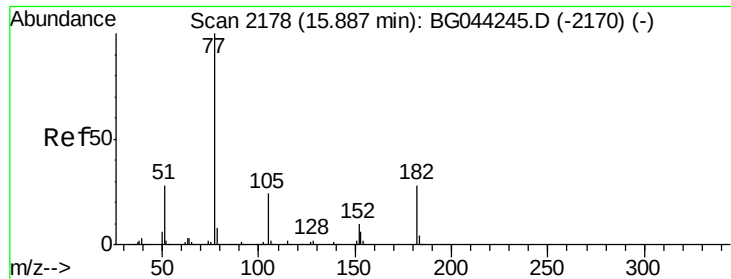


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

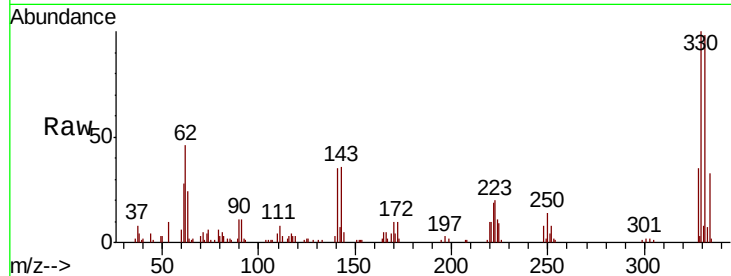




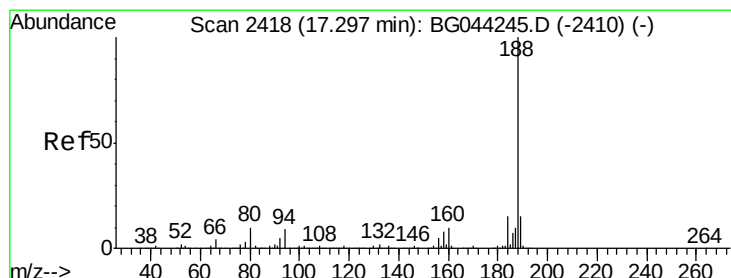
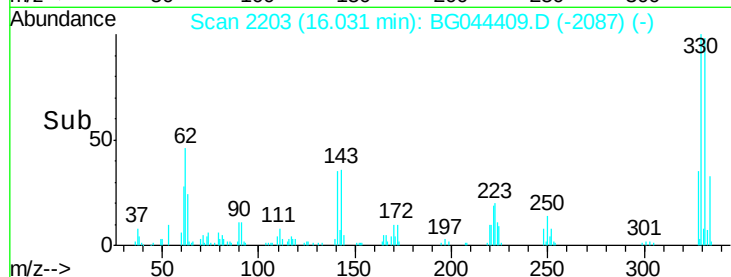
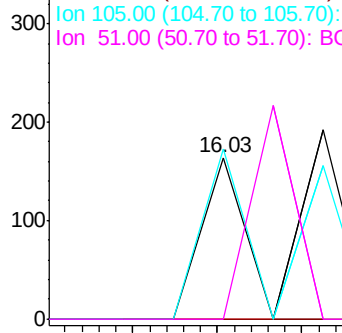
#63  
Azobenzene  
Concen: 0.005 ng  
RT: 16.03 min Scan# 2203  
Delta R.T. 0.15 min  
Lab File: BG044409.D  
Acq: 12 Feb 2020 15:12

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 58    |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 0.0   | 8.2   | 48.2# |
| 105      | 104.9 | 3.6   | 43.6# |
| 51       | 0.0   | 8.3   | 48.3# |

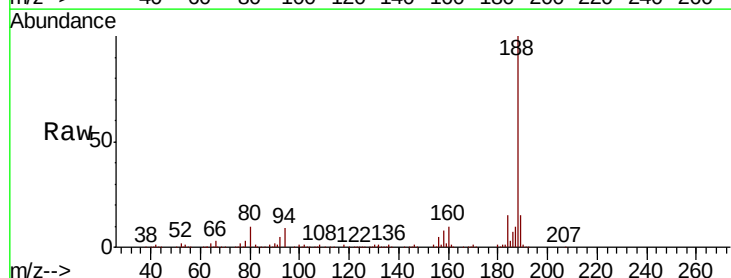


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

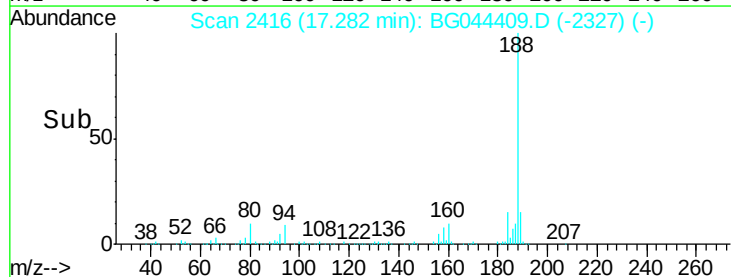
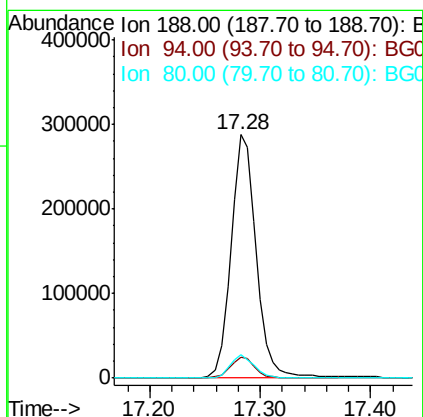


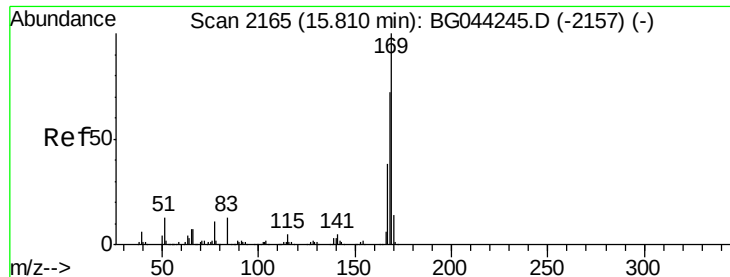
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.28 min Scan# 2416  
Delta R.T. -0.01 min  
Lab File: BG044409.D  
Acq: 12 Feb 2020 15:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 461751 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.7   | 7.4   | 11.2   |
| 80       | 9.5   | 7.7   | 11.5   |



Abundance Ion 188.00 (187.70 to 188.70): BGC  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

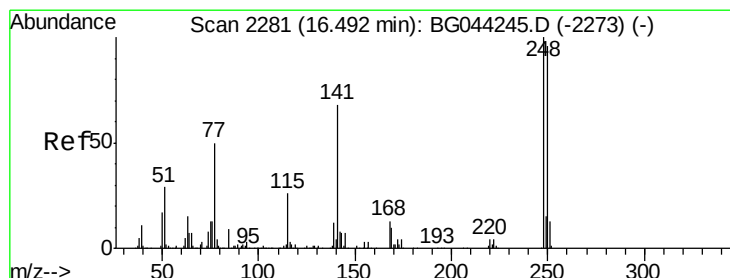
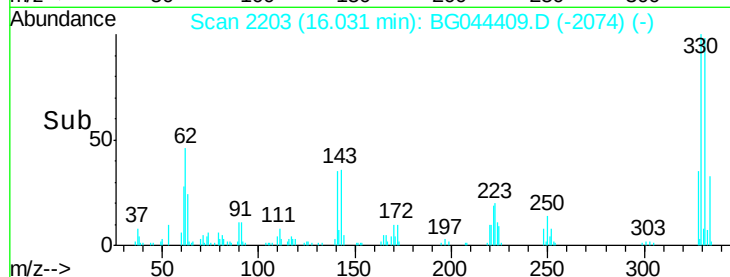
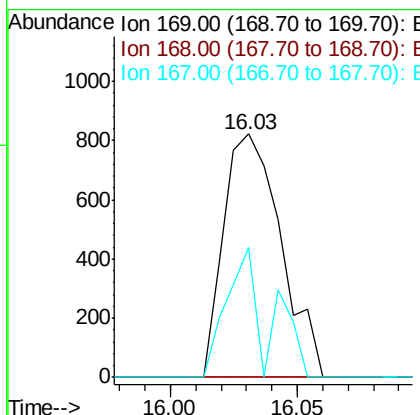
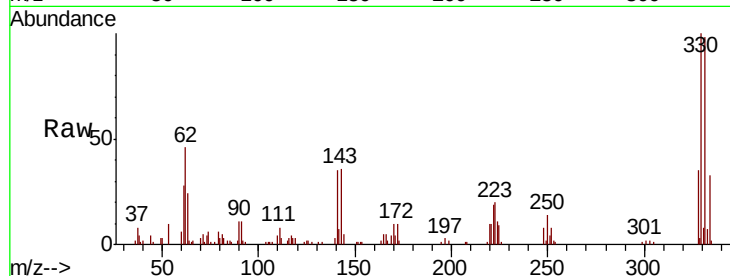




#66  
 n-Nitrosodiphenylamine  
 Concen: 0.100 ng  
 RT: 16.03 min Scan# 2203  
 Delta R.T. 0.23 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

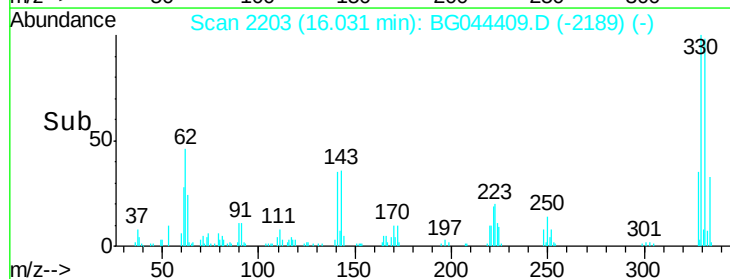
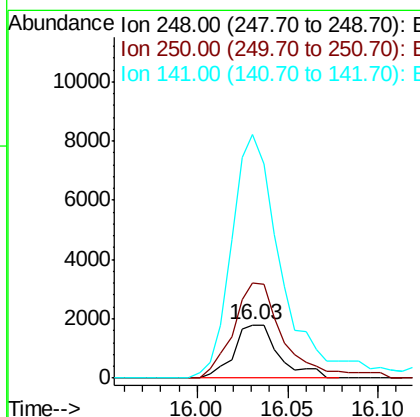
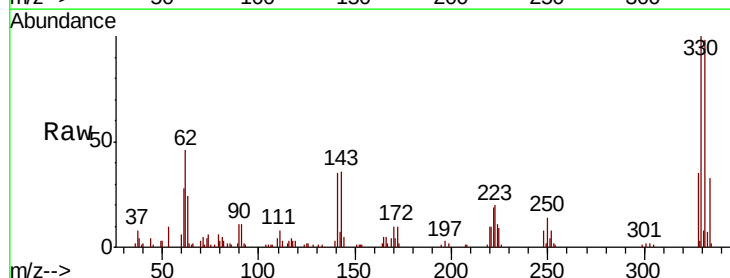
Instrument :  
 BNA\_G  
 ClientSampleId :

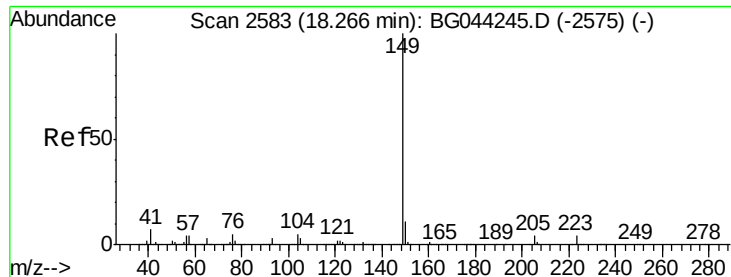
Tot Ion:169 Resp: 1292  
 Ion Ratio Lower Upper  
 169 100  
 168 0.0 57.9 86.9#  
 167 53.1 30.7 46.1#



#67  
 4-Bromophenyl-phenylether  
 Concen: 0.617 ng  
 RT: 16.03 min Scan# 2203  
 Delta R.T. -0.45 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

Tgt Ion:248 Resp: 3102  
 Ion Ratio Lower Upper  
 248 100  
 250 179.8 76.6 114.8#  
 141 458.6 54.7 82.1#

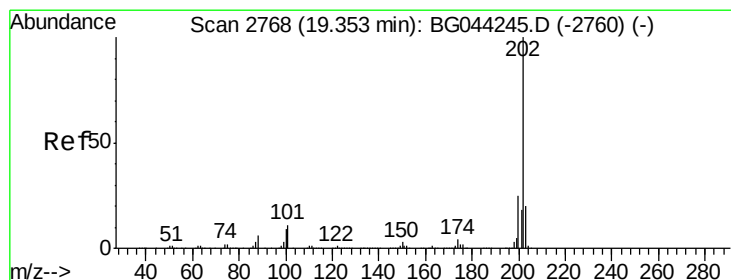
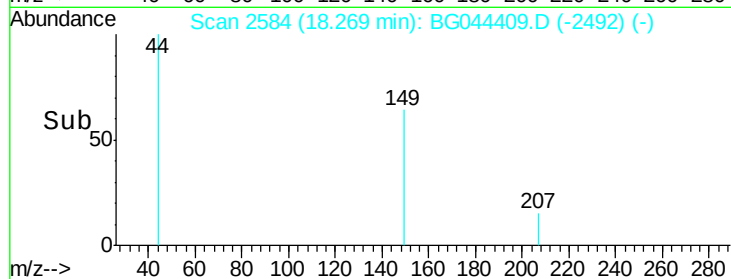
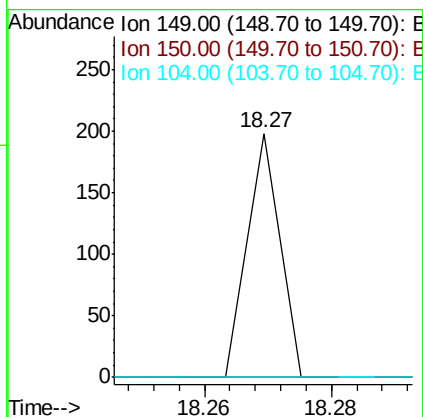
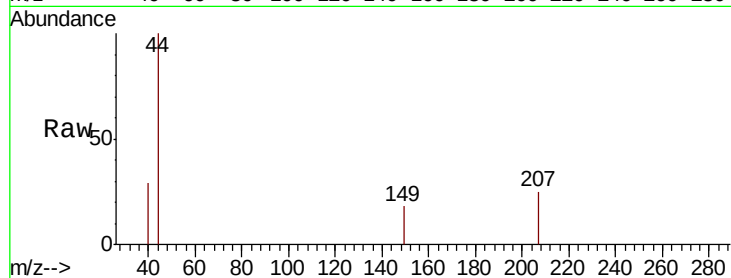




#74  
Di-n-butylphthalate  
Concen: 0.003 ng  
RT: 18.27 min Scan# 2584  
Delta R.T. 0.01 min  
Lab File: BG044409.D  
Acq: 12 Feb 2020 15:12

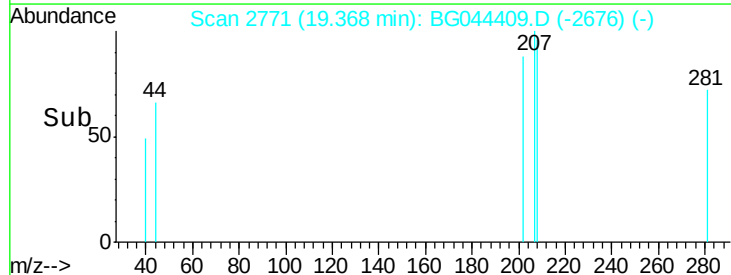
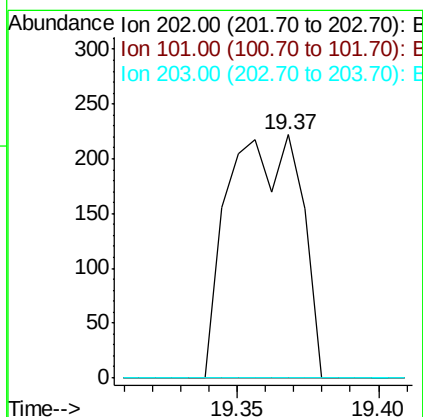
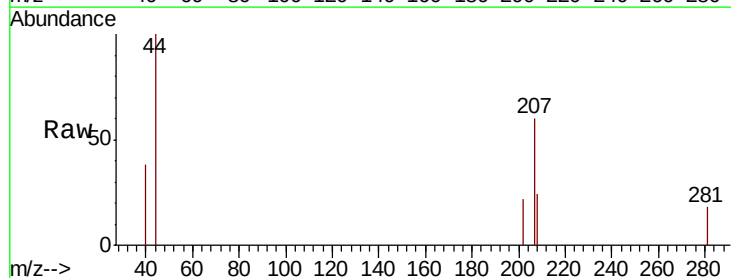
Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 0.0   | 8.7   | 13.1# |
| 104     | 0.0   | 4.3   | 6.5#  |

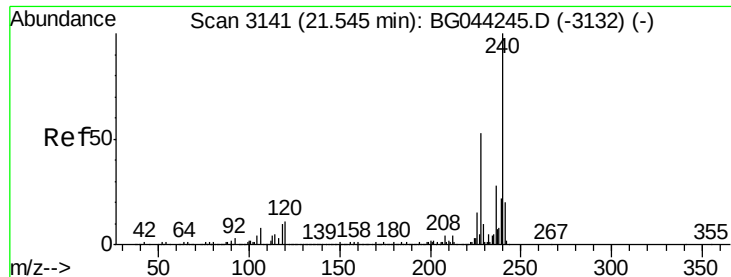


#75  
Fluoranthene  
Concen: 0.015 ng  
RT: 19.37 min Scan# 2771  
Delta R.T. 0.03 min  
Lab File: BG044409.D  
Acq: 12 Feb 2020 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 0.0   | 0.0   | 31.3  |
| 203     | 0.0   | 0.0   | 39.9  |



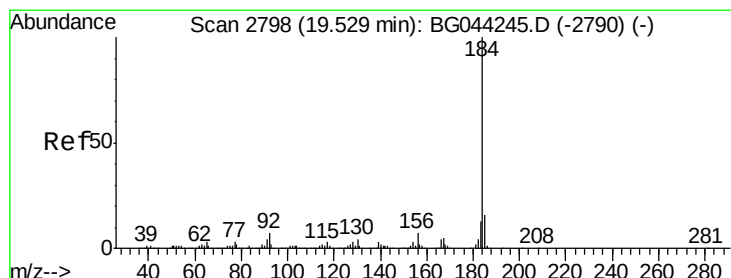
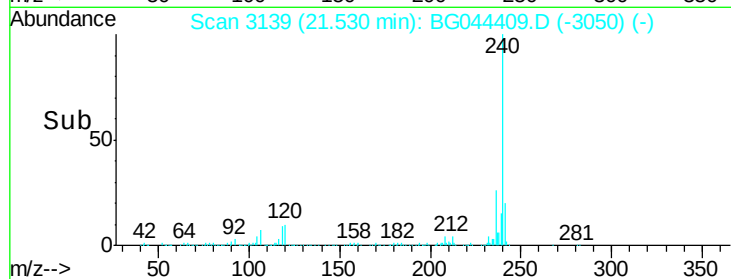
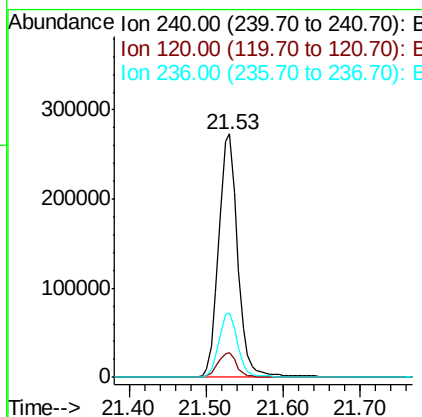
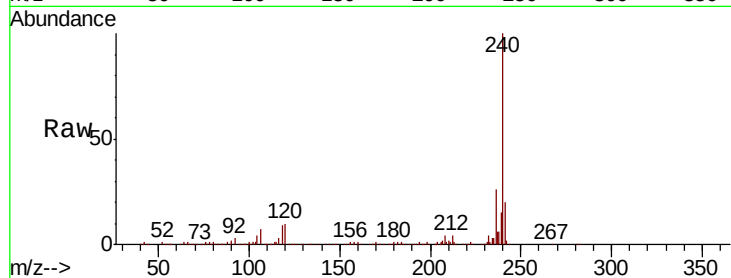




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.53 min Scan# 3139  
 Delta R.T. -0.01 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

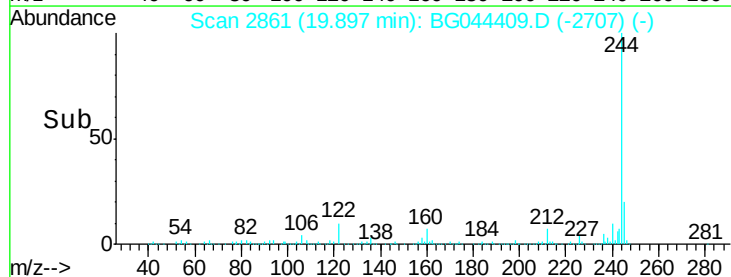
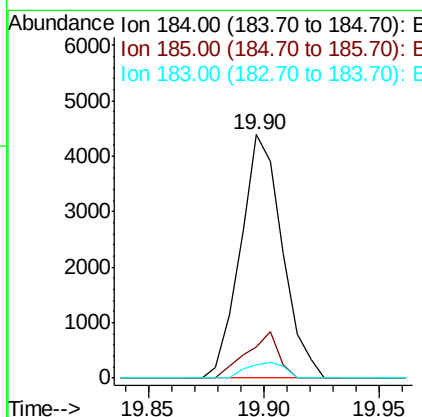
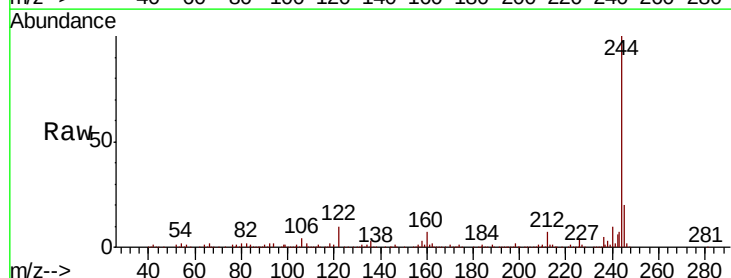
Instrument :  
 BNA\_G  
 ClientSampleId :

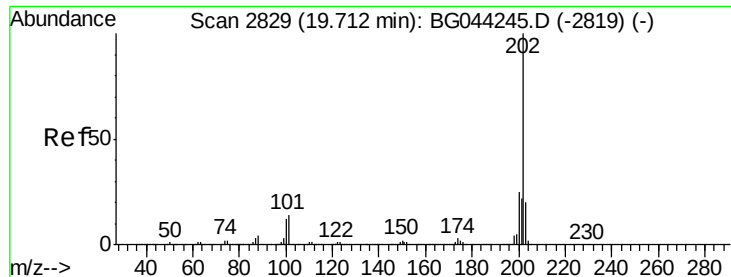
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.2  | 8.4   | 12.6  |
| 236     | 26.4  | 22.1  | 33.1  |



#77  
 Benzidine  
 Concen: 0.425 ng  
 RT: 19.90 min Scan# 2861  
 Delta R.T. 0.38 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 12.9  | 12.9  | 19.3  |
| 183     | 5.5   | 10.8  | 16.2# |





#78

Pvrene

Concen: 0.007 ng

RT: 19.71 min Scan# 2829

Delta R.T. 0.01 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Instrument :

BNA\_G

ClientSampled :

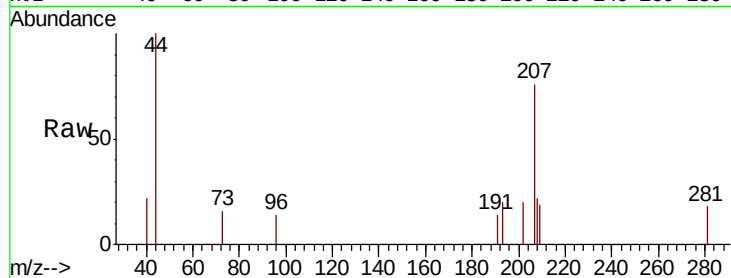
Tot Ion:202 Resp: 217

Ion Ratio Lower Upper

202 100

200 0.0 20.0 30.0#

203 0.0 16.2 24.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

19.71

200

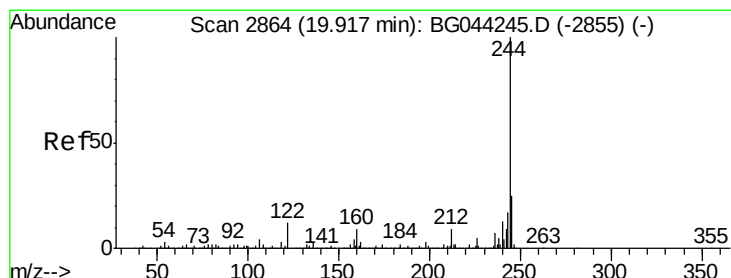
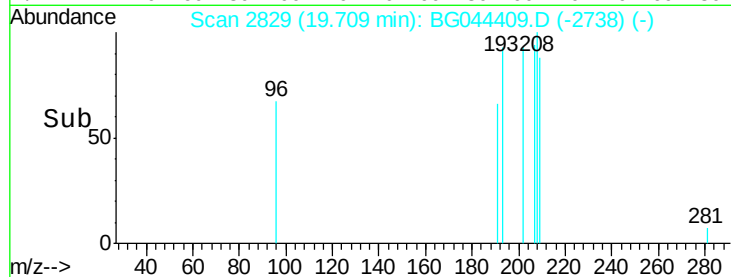
150

100

50

0

Time--> 19.68 19.70 19.72



#79

Terphenyl-d14

Concen: 17.538 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

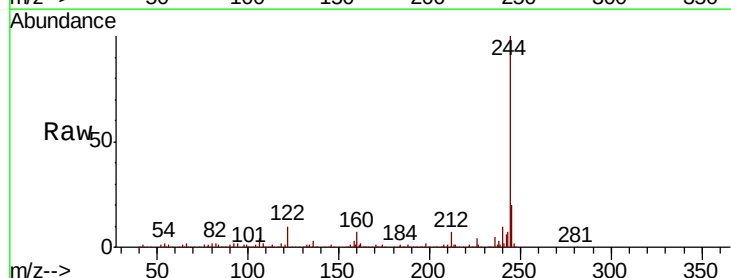
Tgt Ion:244 Resp: 399913

Ion Ratio Lower Upper

244 100

212 7.1 7.4 11.2#

122 10.3 9.8 14.6



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

19.90

400000

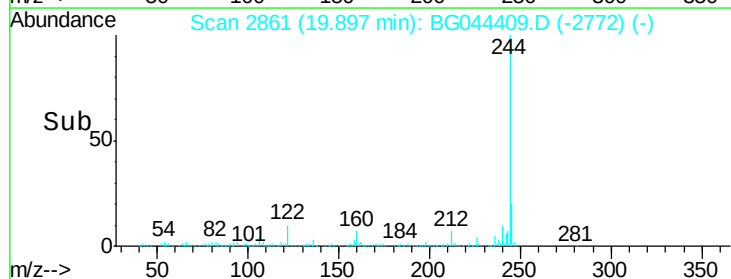
300000

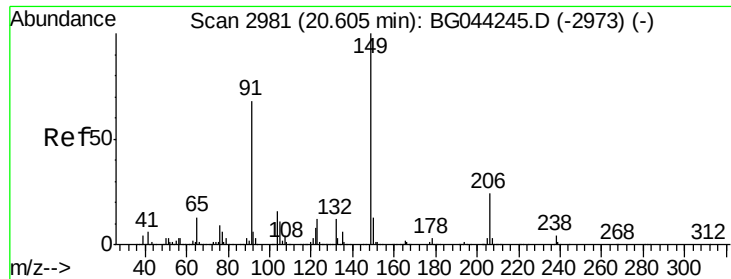
200000

100000

0

Time--> 19.80 19.90 20.00

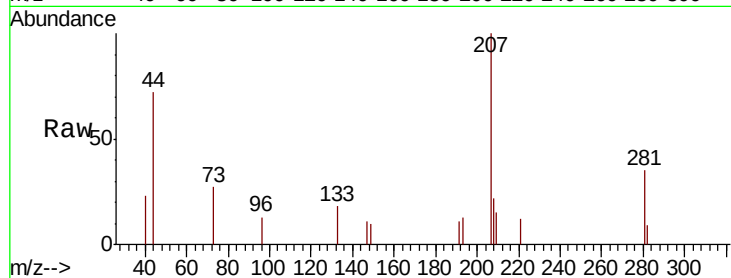




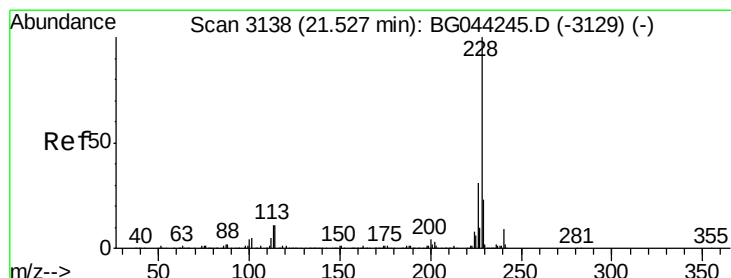
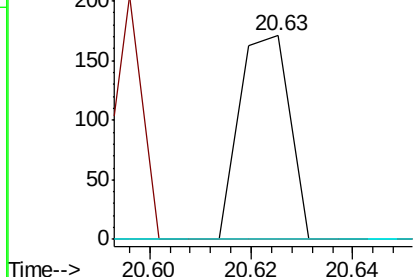
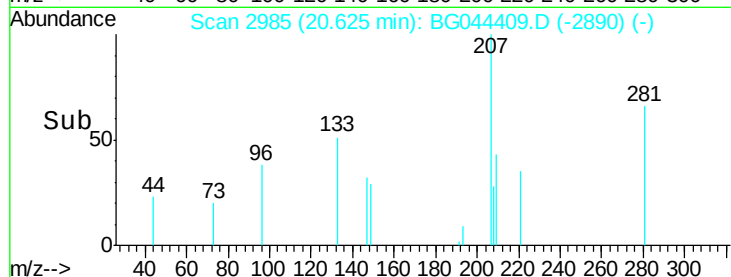
#80  
 Butylbenzylphthalate  
 Concen: 0.009 ng  
 RT: 20.63 min Scan# 2985  
 Delta R.T. 0.03 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 0.0   | 54.5  | 81.7# |
| 206     | 0.0   | 19.1  | 28.7# |

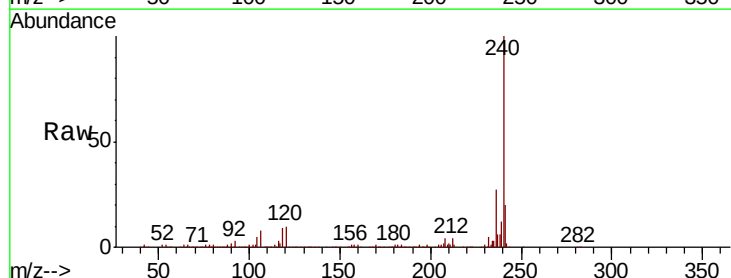


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 91.00 (90.70 to 91.70): BG  
 Ion 206.00 (205.70 to 206.70): E

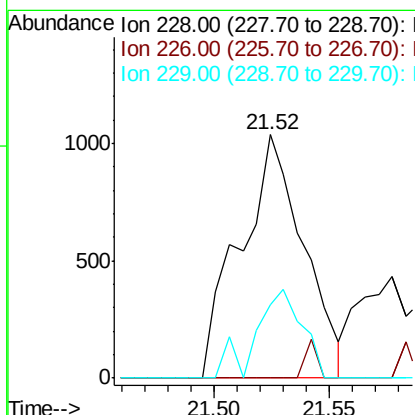
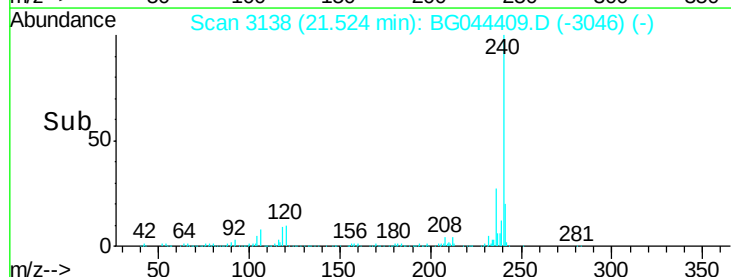


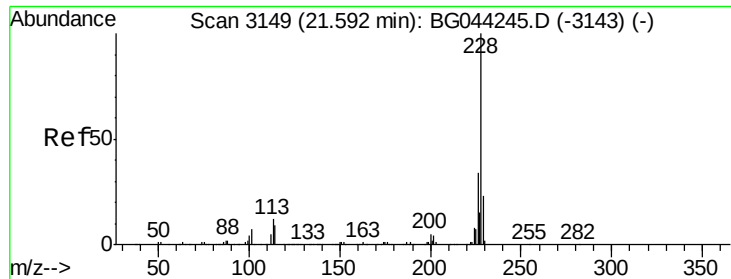
#81  
 Benzo(a)anthracene  
 Concen: 0.069 ng  
 RT: 21.52 min Scan# 3138  
 Delta R.T. 0.01 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 24.7  | 37.1# |
| 229     | 30.3  | 18.2  | 27.4# |



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

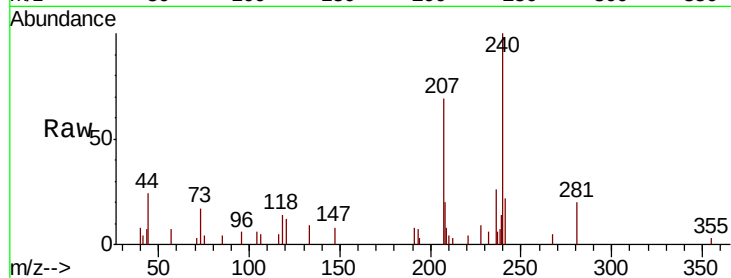




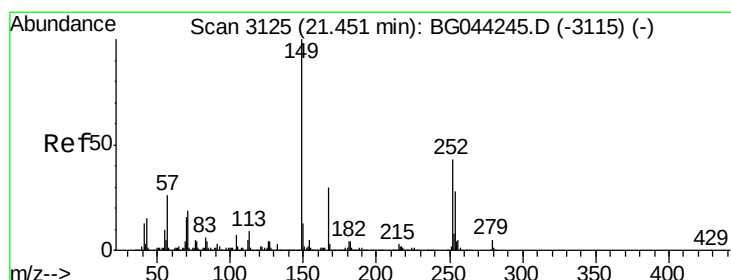
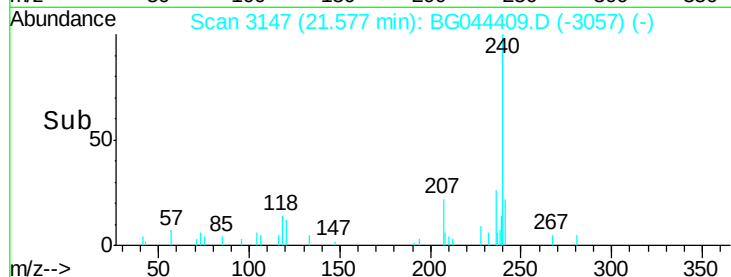
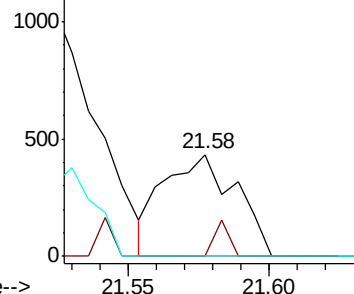
#83  
 Chrysene  
 Concen: 0.028 ng  
 RT: 21.58 min Scan# 3147  
 Delta R.T. -0.00 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 27.1  | 40.7# |
| 229     | 0.0   | 17.9  | 26.9# |

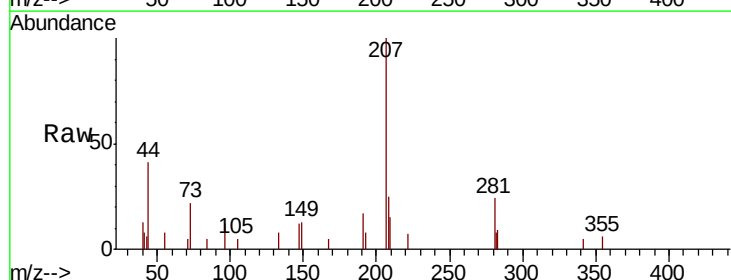


Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

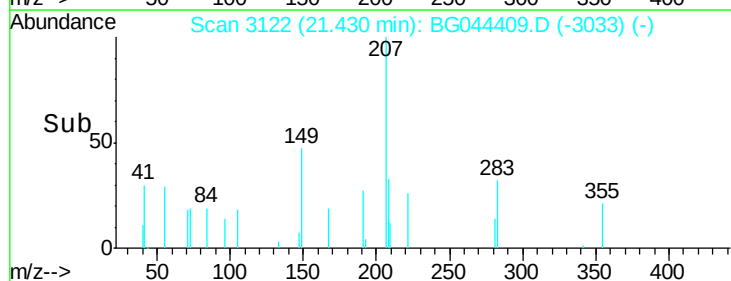
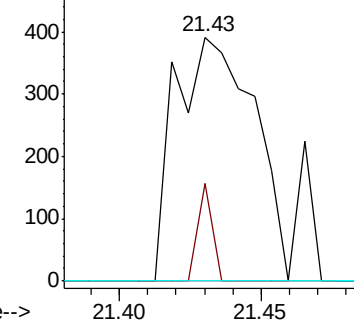


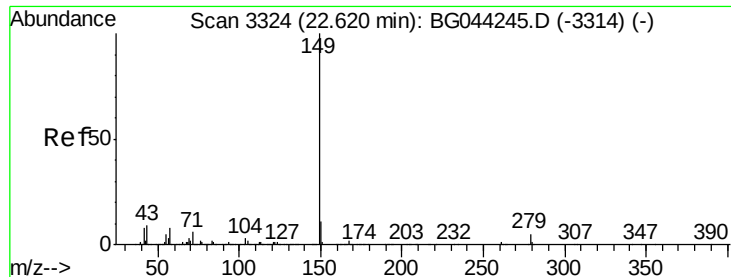
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.040 ng  
 RT: 21.43 min Scan# 3122  
 Delta R.T. -0.01 min  
 Lab File: BG044409.D  
 Acq: 12 Feb 2020 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 39.9  | 24.0  | 36.0# |
| 279     | 0.0   | 3.8   | 5.8#  |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.018 ng

RT: 22.59 min Scan# 3320

Delta R.T. -0.01 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Instrument :

BNA\_G

ClientSampleId :

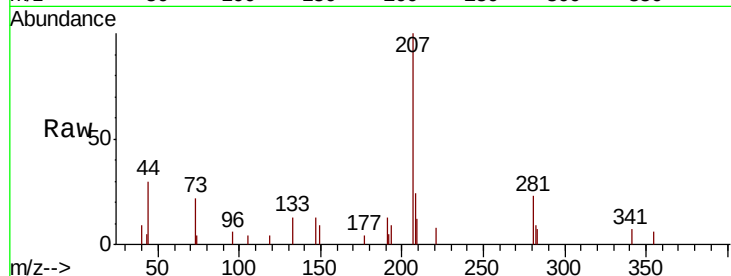
Tot Ion:149 Resp: 599

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 7.4 11.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

22.59

22.60

22.61

22.62

22.63

22.64

22.65

22.66

22.67

22.68

22.69

22.70

22.71

22.72

22.73

22.74

22.75

22.76

22.77

22.78

22.79

22.80

22.81

22.82

22.83

22.84

22.85

22.86

22.87

22.88

22.89

22.90

22.91

22.92

22.93

22.94

22.95

22.96

22.97

22.98

22.99

23.00

23.01

23.02

23.03

23.04

23.05

23.06

23.07

23.08

23.09

23.10

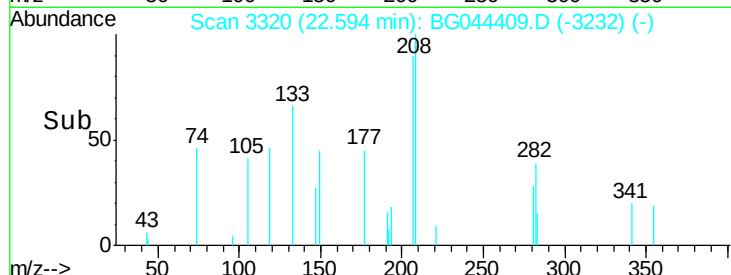
23.11

23.12

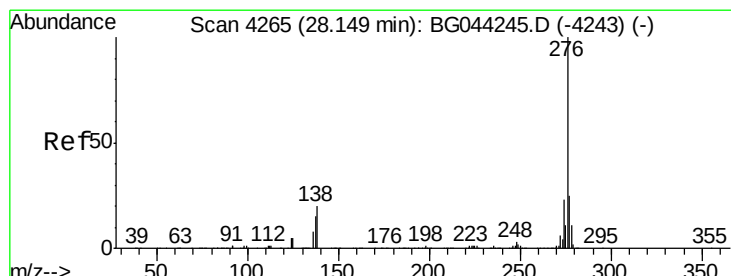
23.13

23.14

23.15



Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng

RT: 28.14 min Scan# 4264

Delta R.T. 0.02 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

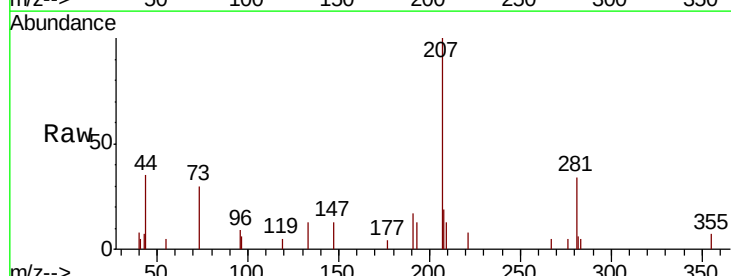
Tgt Ion:276 Resp: 67

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

277 0.0 21.0 31.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

28.14

28.15

28.16

28.17

28.18

28.19

28.20

28.21

28.22

28.23

28.24

28.25

28.26

28.27

28.28

28.29

28.30

28.31

28.32

28.33

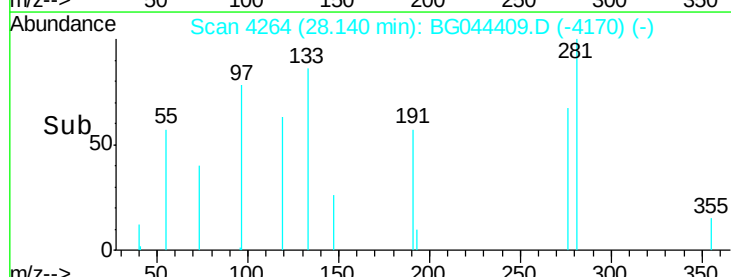
28.34

28.35

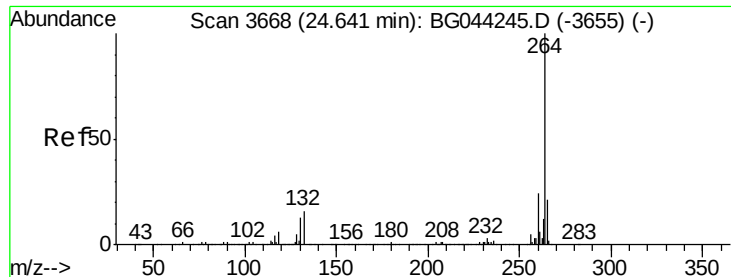
28.36

28.37

28.38



Time-->



#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.61 min Scan# 3664

Delta R.T. -0.01 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

Instrument :

BNA\_G

ClientSampleId :

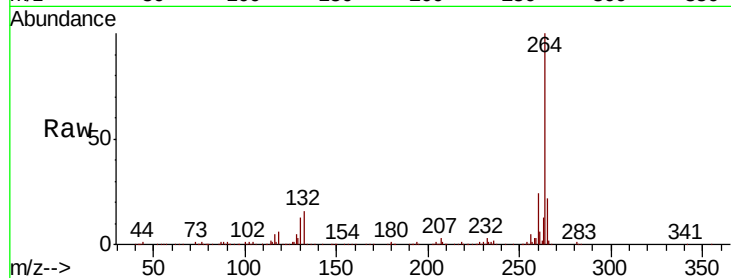
Tot Ion:264 Resp: 473865

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

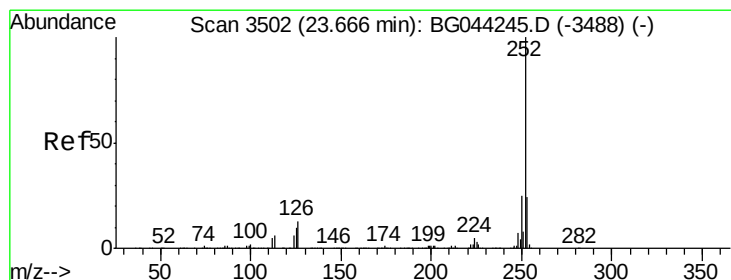
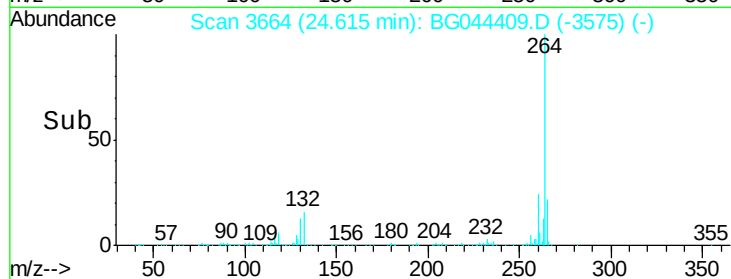
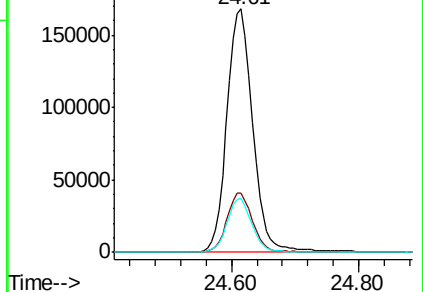
265 22.5 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 0.022 ng

RT: 23.66 min Scan# 3501

Delta R.T. 0.01 min

Lab File: BG044409.D

Acq: 12 Feb 2020 15:12

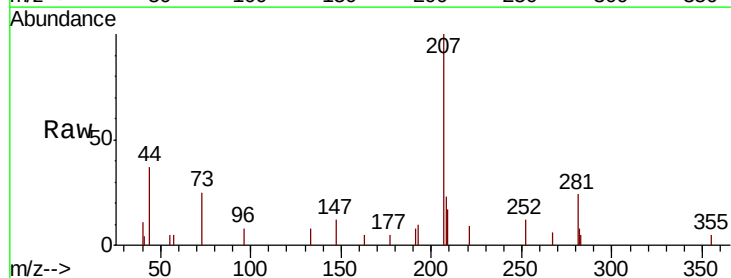
Tgt Ion:252 Resp: 590

Ion Ratio Lower Upper

252 100

253 0.0 19.2 28.8#

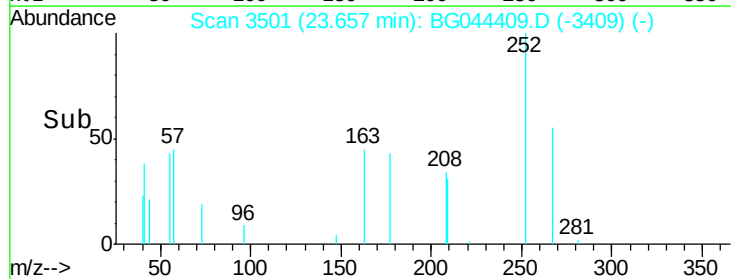
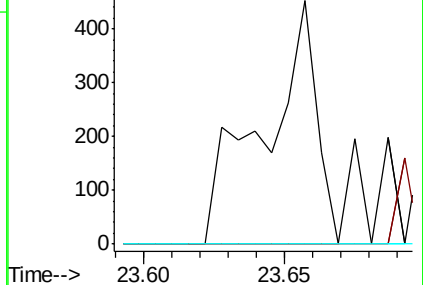
125 0.0 8.4 12.6#

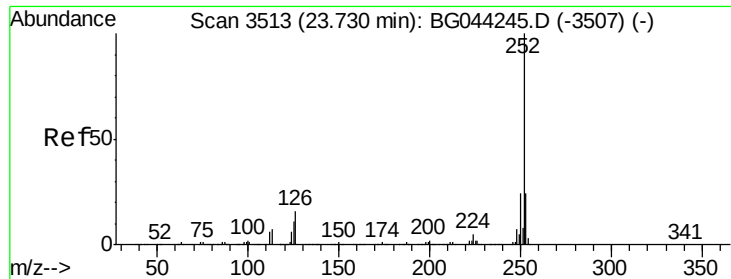


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

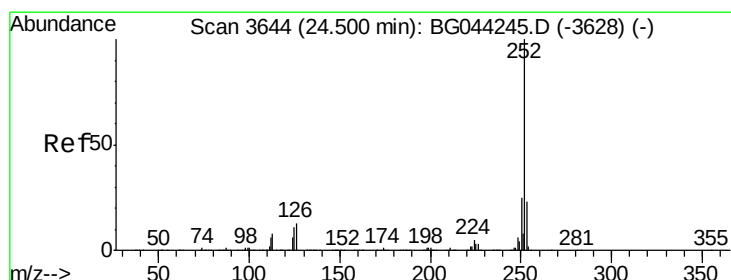
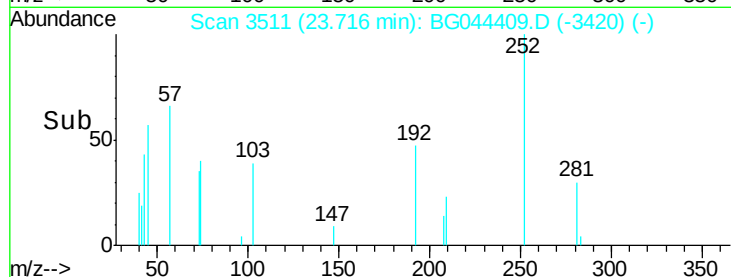
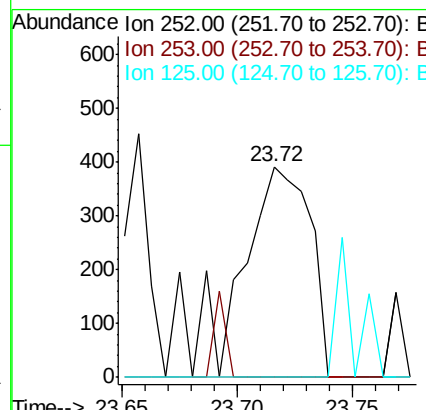
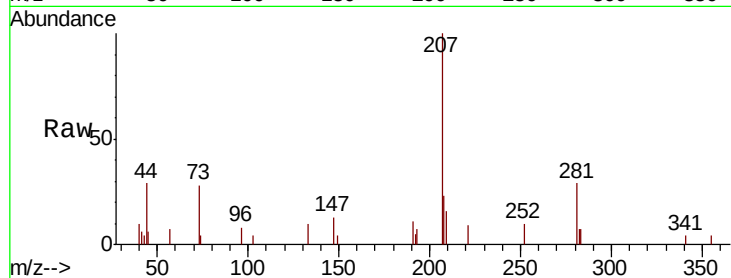




#89  
Benzo(k)fluoranthene  
Concen: 0.030 ng  
RT: 23.72 min Scan# 3511  
Delta R.T. 0.01 min  
Lab File: BG044409.D  
Acq: 12 Feb 2020 15:12

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:252 Resp: 800  
Ion Ratio Lower Upper  
252 100  
253 0.0 19.1 28.7#  
125 0.0 8.6 12.8#



#90  
Benzo(a)pyrene  
Concen: 0.012 ng  
RT: 24.47 min Scan# 3640  
Delta R.T. -0.00 min  
Lab File: BG044409.D  
Acq: 12 Feb 2020 15:12

Tgt Ion:252 Resp: 316  
Ion Ratio Lower Upper  
252 100  
253 0.0 18.1 27.1#  
125 0.0 8.6 13.0#

