

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061120\  
 Data File : BG045736.D  
 Acq On : 12 Jun 2020 1:01  
 Operator : CG/JU  
 Sample : L2971-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 30698

Quant Time: Jun 12 02:33:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 01 15:07:00 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.95  | 152  | 61353    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.75 | 136  | 231226   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.60 | 164  | 153045   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.34 | 188  | 305127   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.60 | 240  | 291109   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.77 | 264  | 310772   | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.53  | 112  | 19153    | 6.10   | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 555410   | 124.30 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 9.12  | 82   | 476085   | 112.28 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.10 | 330  | 278313   | 142.19 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.22 | 172  | 1017489  | 112.77 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.96 | 244  | 1412059  | 113.13 | ng    | 0.00     |

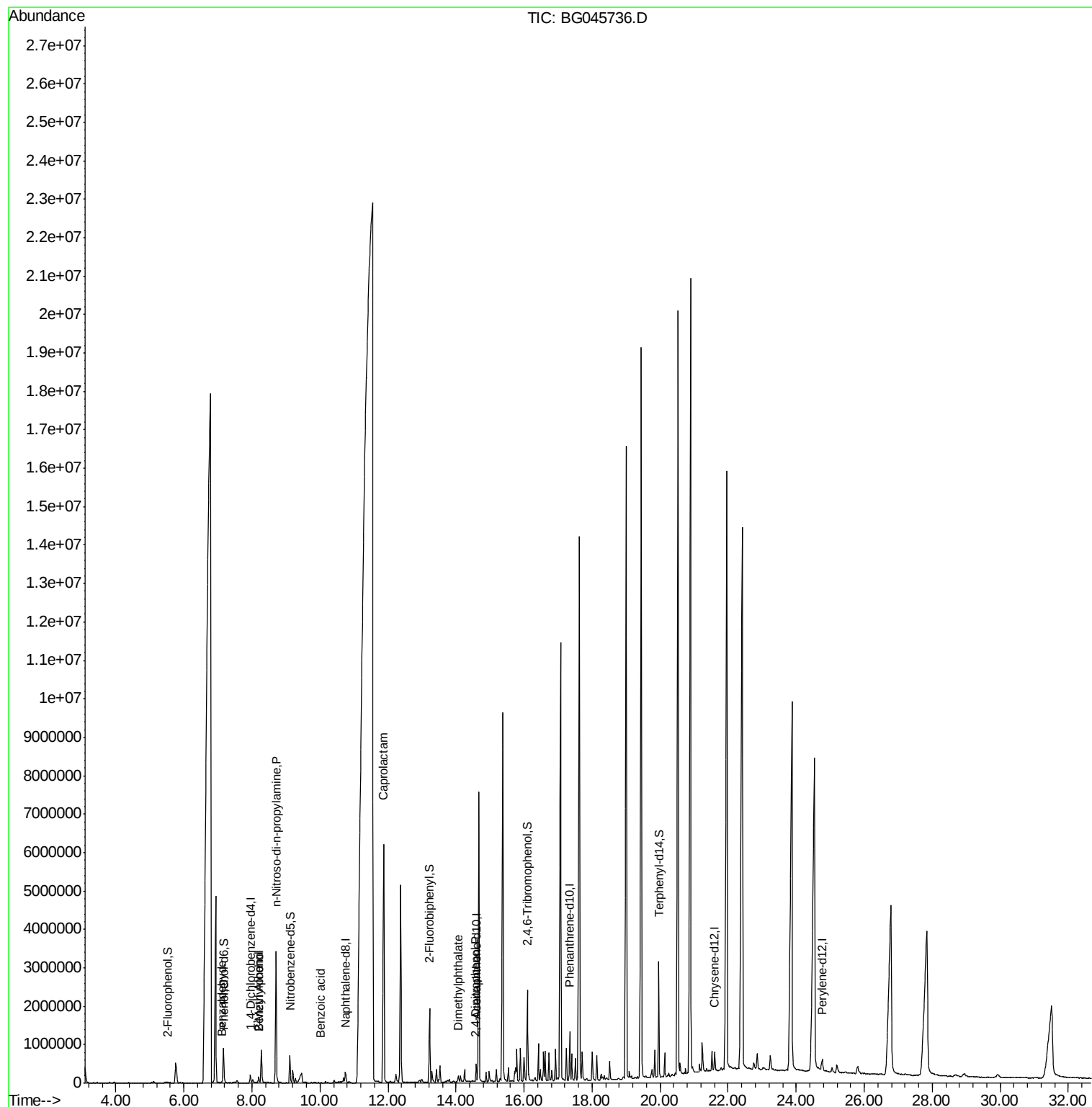
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|--------------------------------|-------|------|----------|---------|-------|--------|
| 9) Benzaldehyde                | 7.12  | 77   | 18753    | 6.442   | ng    | 96     |
| 10) Phenol                     | 7.19  | 94   | 37348    | 8.110   | ng    | 89     |
| 15) Benzyl Alcohol             | 8.20  | 79   | 71739    | 19.435  | ng    | 94     |
| 17) 2-Methylphenol             | 8.21  | 107  | 35416    | 10.275  | ng    | # 10   |
| 19) n-Nitroso-di-n-propylamine | 8.71  | 70   | 620410   | 200.788 | ng    | # 67   |
| 32) Benzoic acid               | 10.00 | 122  | 139      | 10.079  | ng    | # 26   |
| 35) Caprolactam                | 11.87 | 113  | 18407    | 14.733  | ng    | # 1    |
| 50) Dimethylphthalate          | 14.07 | 163  | 107233   | 10.214  | ng    | 99     |
| 54) 2,4-Dinitrophenol          | 14.56 | 184  | 80       | 5.507   | ng    | # 1    |

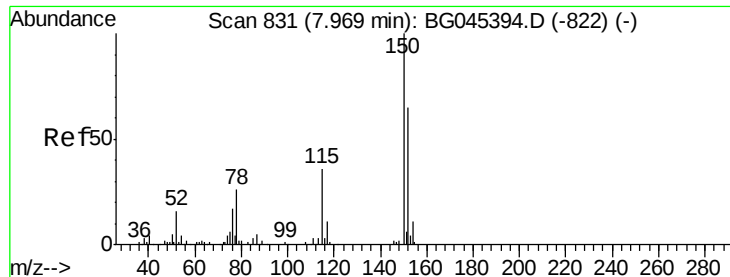
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061120\  
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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
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30698

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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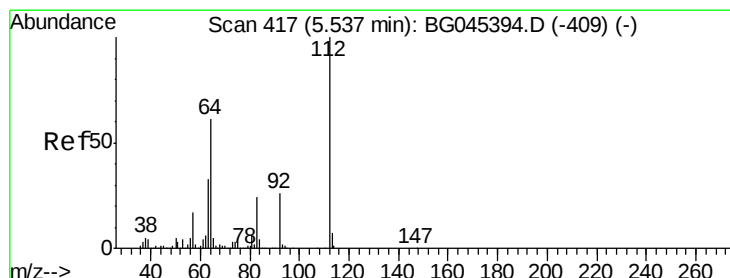
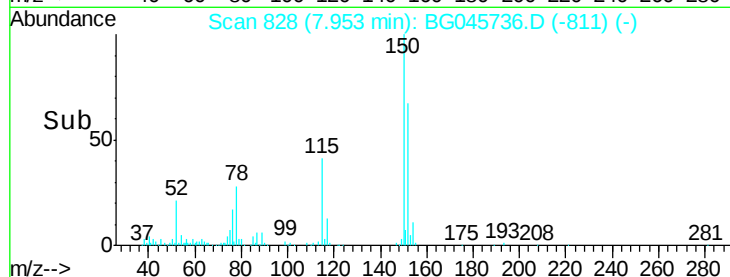
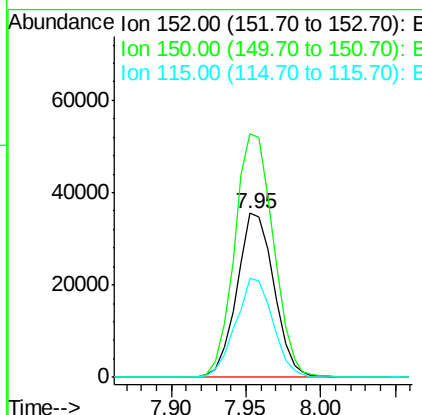
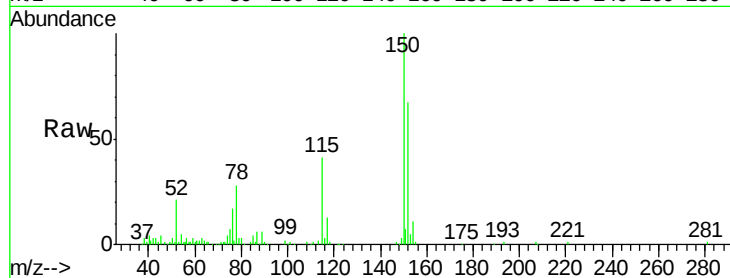


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BG045736.D  
Acq: 12 Jun 2020 1:01

Instrument :  
BNA\_G  
ClientSampleId :  
30698

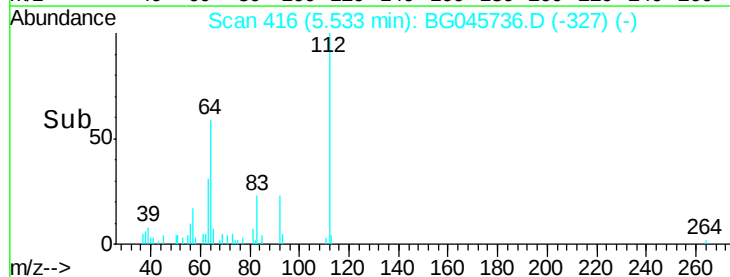
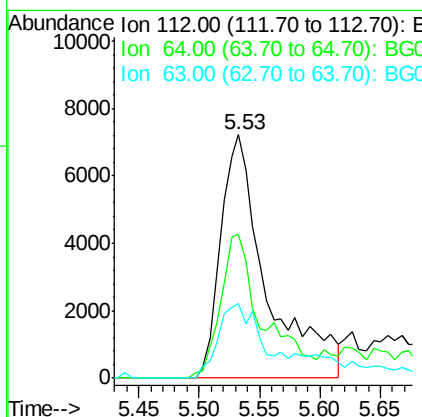
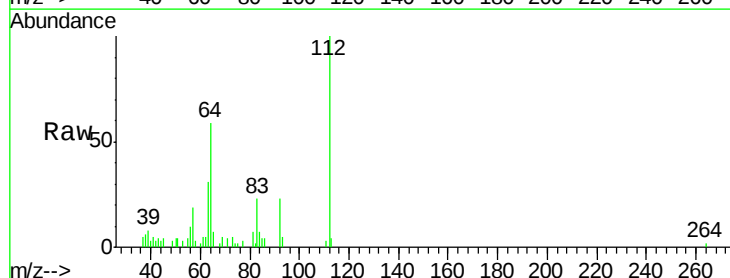
| Tot Ion   | 152   | Resp  | 61353 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 148.3 | 122.4 | 183.6 |
| 115       | 60.5  | 44.2  | 66.4  |

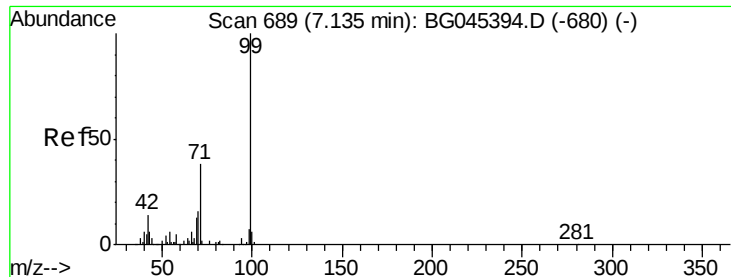


#5

2-Fluorophenol  
Concen: 6.101 ng  
RT: 5.53 min Scan# 416  
Delta R.T. -0.00 min  
Lab File: BG045736.D  
Acq: 12 Jun 2020 1:01

| Tgt Ion   | 112   | Resp  | 19153 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 59.3  | 48.6  | 72.8  |
| 63        | 30.5  | 26.5  | 39.7  |





#7

Phenol-d6

Concen: 124.300 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.02 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

Instrument :

BNA\_G

ClientSampleId :

30698

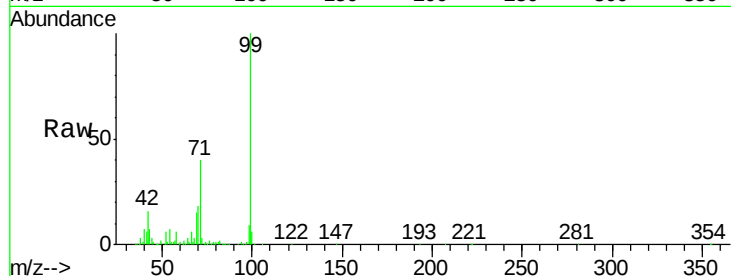
Tot Ion: 99 Resp: 555410

Ion Ratio Lower Upper

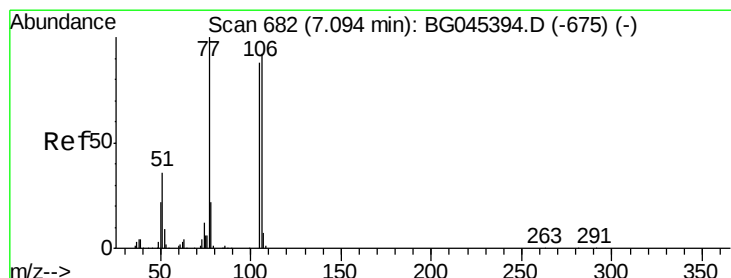
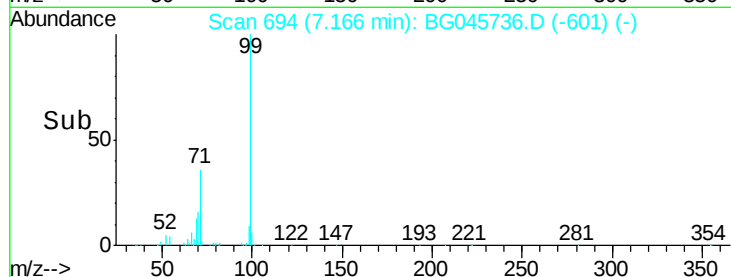
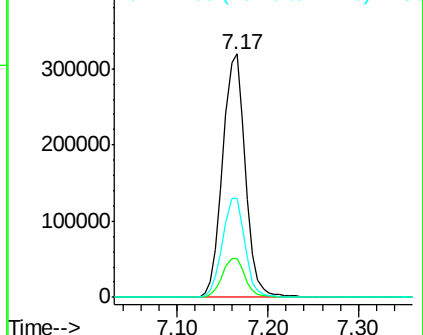
99 100

42 16.0 11.3 16.9

71 40.5 30.8 46.2



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



#9

Benzaldehyde

Concen: 6.442 ng

RT: 7.12 min Scan# 687

Delta R.T. 0.04 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

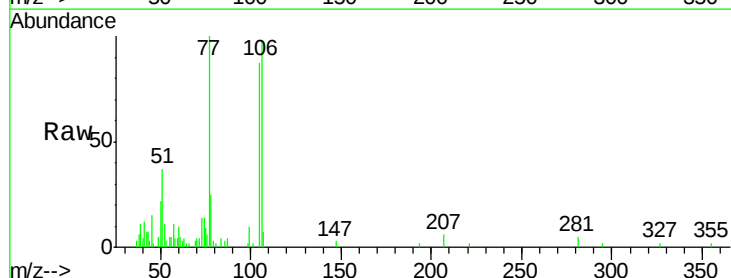
Tgt Ion: 77 Resp: 18753

Ion Ratio Lower Upper

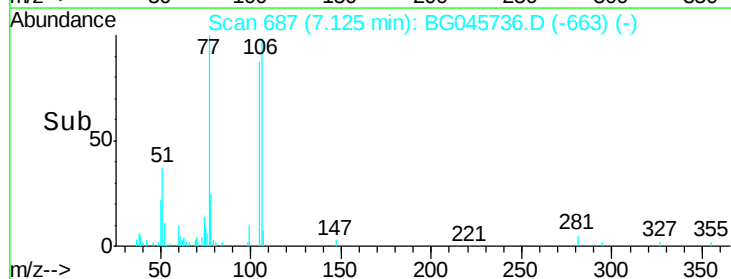
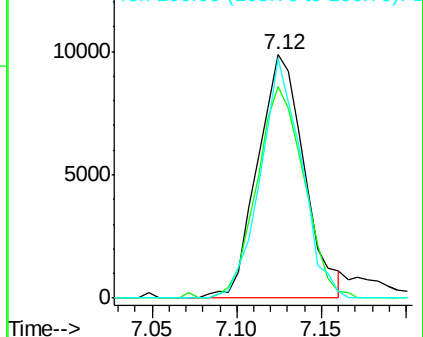
77 100

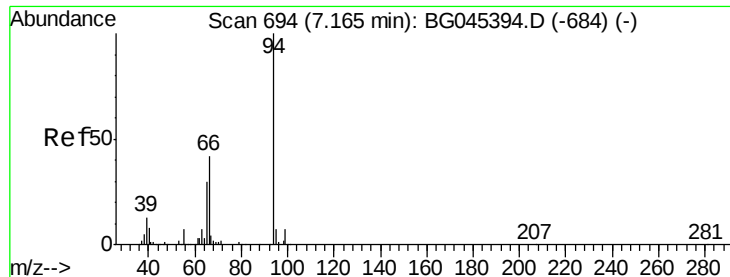
105 86.9 68.5 108.5

106 98.3 71.6 111.6



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 8.110 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.01 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

Instrument :

BNA\_G

ClientSampled :

30698

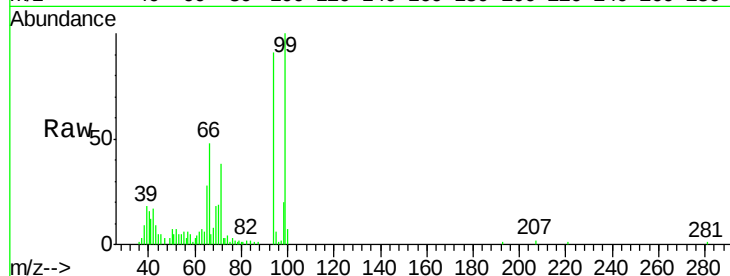
Tot Ion: 94 Resp: 37348

Ion Ratio Lower Upper

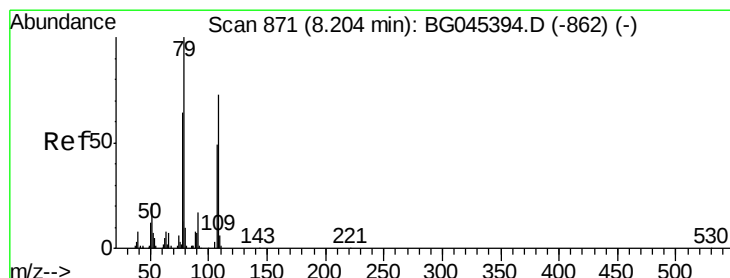
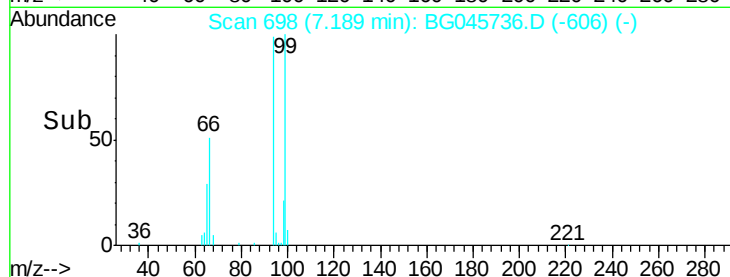
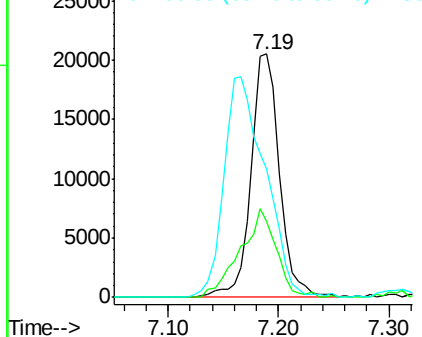
94 100

65 31.1 9.8 49.8

66 52.6 22.0 62.0



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: 19.435 ng

RT: 8.20 min Scan# 870

Delta R.T. 0.00 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

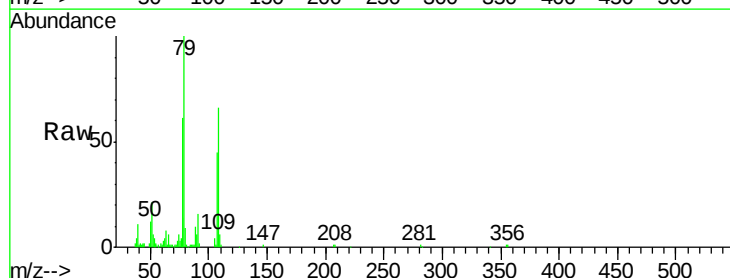
Tgt Ion: 79 Resp: 71739

Ion Ratio Lower Upper

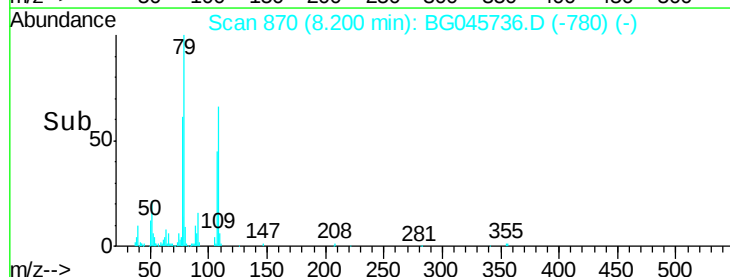
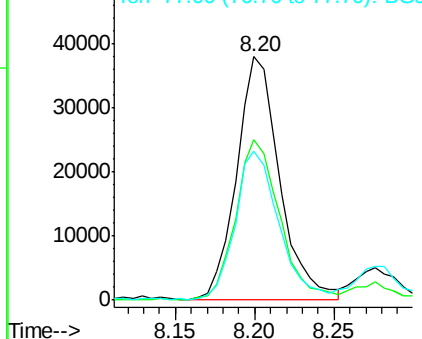
79 100

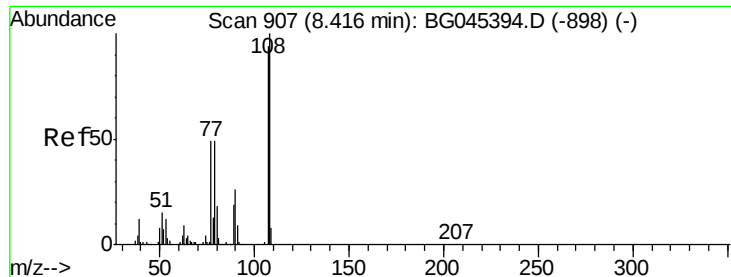
108 66.0 58.2 87.4

77 61.0 51.0 76.4



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





#17

2-Methylphenol

Concen: 10.275 ng

RT: 8.21 min Scan# 871

Delta R.T. -0.22 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

Instrument :

BNA\_G

ClientSampleId :

30698

Tot Ion:107 Resp: 35416

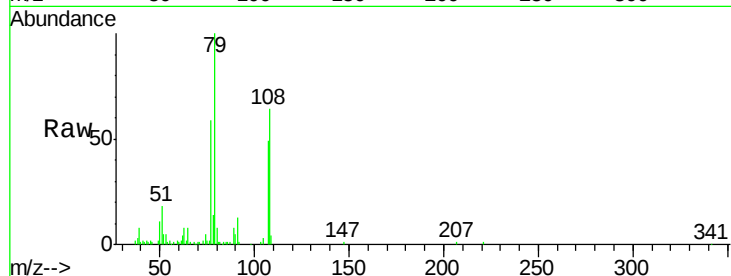
Ion Ratio Lower Upper

107 100

108 130.7 85.2 127.8#

77 120.4 41.6 62.4#

79 205.4 41.8 62.8#

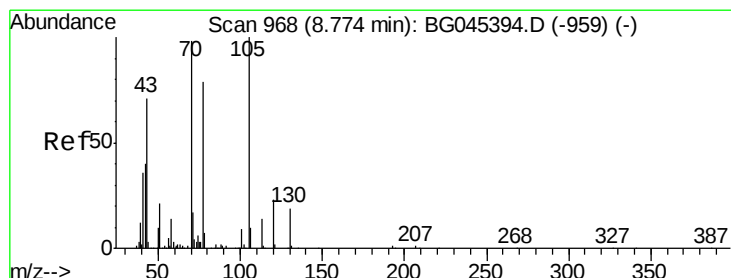
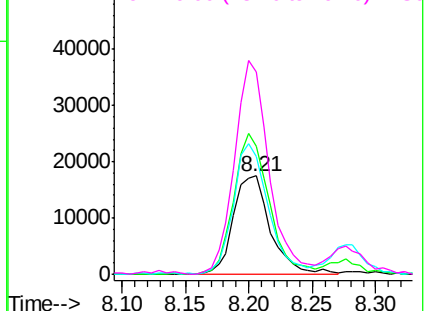
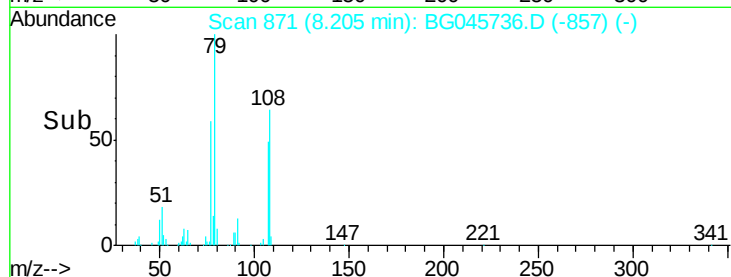


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 200.788 ng

RT: 8.71 min Scan# 957

Delta R.T. -0.05 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

Tgt Ion: 70 Resp: 620410

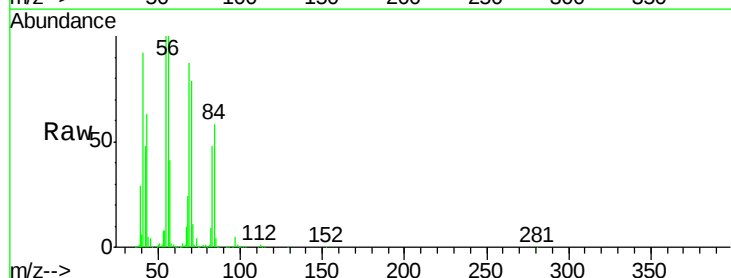
Ion Ratio Lower Upper

70 100

42 60.2 33.2 49.8#

101 0.1 7.8 11.6#

130 0.0 15.4 23.2#

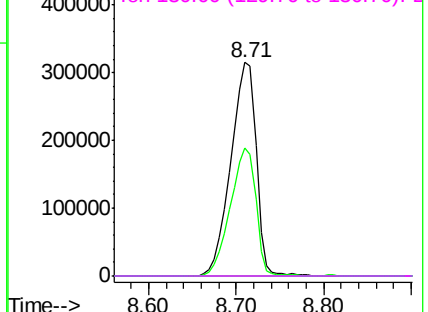
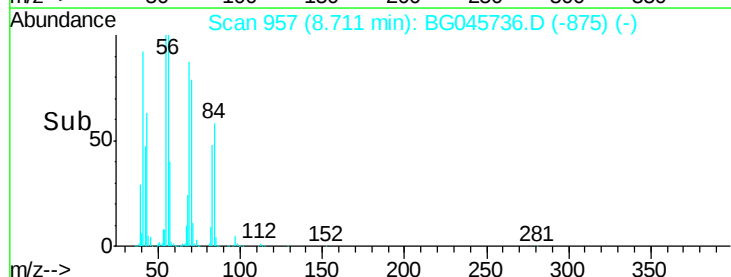


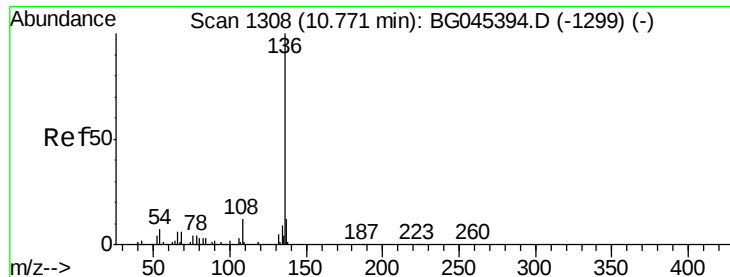
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

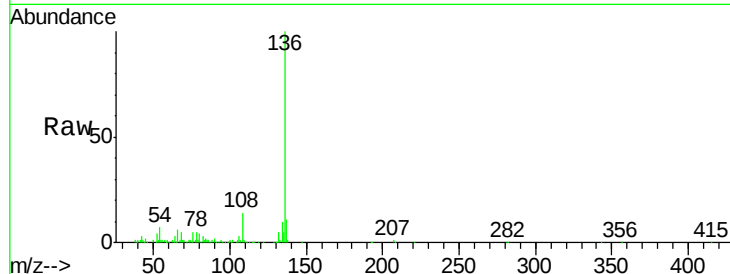




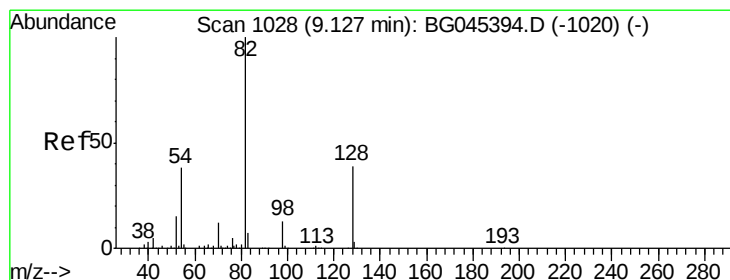
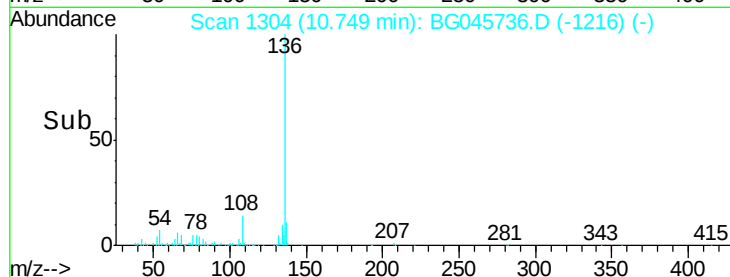
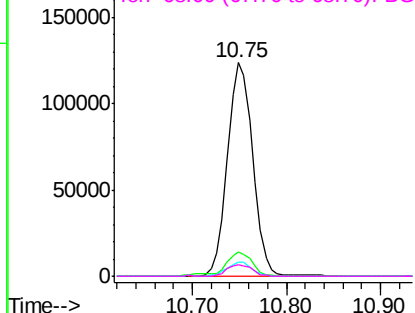
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.75 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BG045736.D  
Acq: 12 Jun 2020 1:01

Instrument :  
BNA\_G  
ClientSampleId :  
30698

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 231226 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.3    | 9.4 14.2     |
| 54 6.6      | 5.8 8.6      |
| 68 5.3      | 4.5 6.7      |

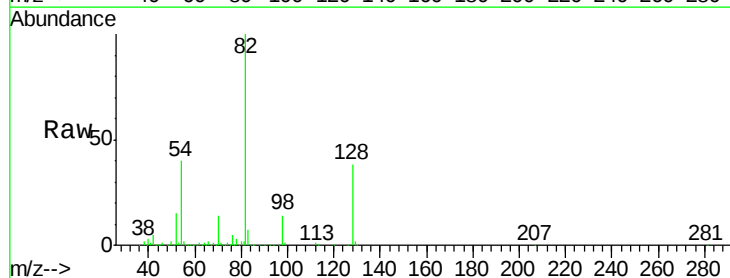


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

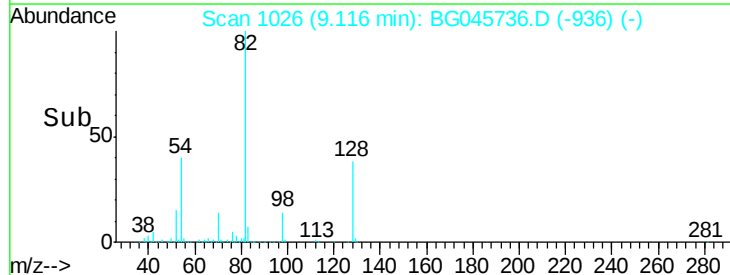
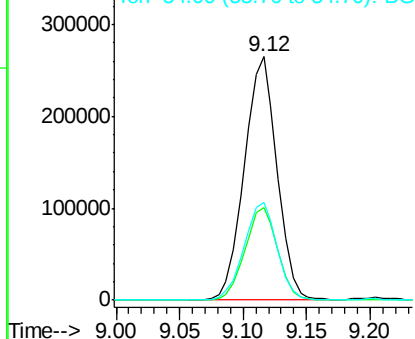


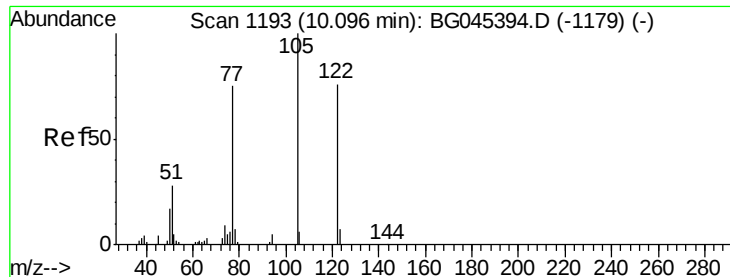
#23  
Nitrobenzene-d5  
Concen: 112.278 ng  
RT: 9.12 min Scan# 1026  
Delta R.T. 0.00 min  
Lab File: BG045736.D  
Acq: 12 Jun 2020 1:01

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 476085 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 38.1    | 30.9  | 46.3   |
| 54  | 40.3    | 30.3  | 45.5   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

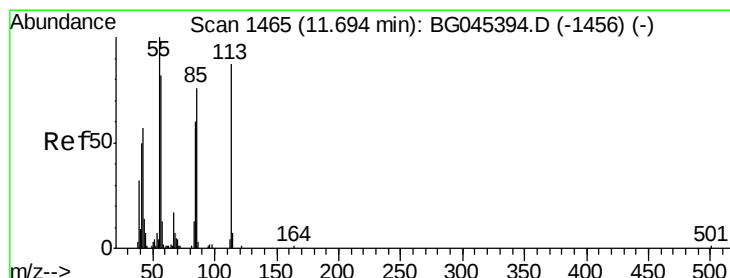
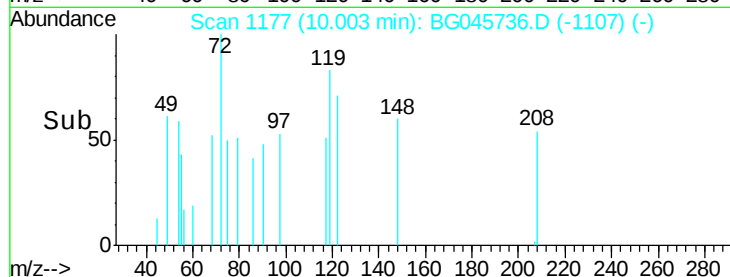
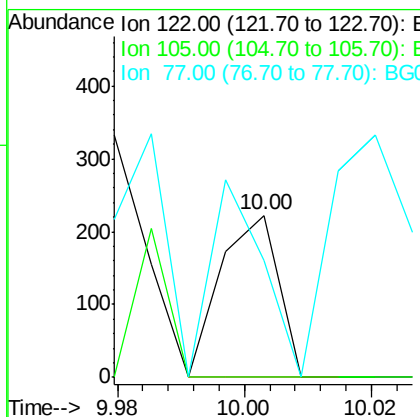
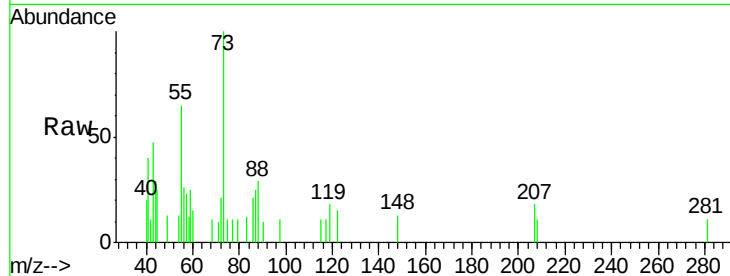




#32  
Benzoic acid  
Concen: 10.079 ng  
RT: 10.00 min Scan# 1177  
Delta R.T. -0.12 min  
Lab File: BG045736.D  
Acq: 12 Jun 2020 1:01

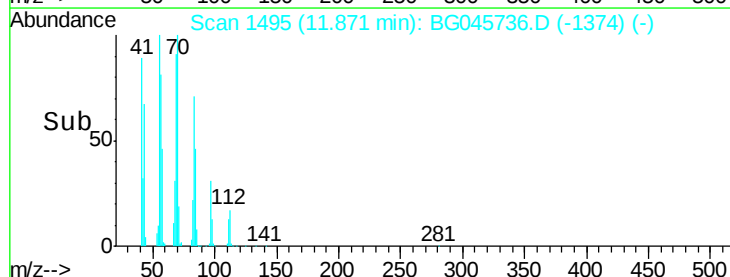
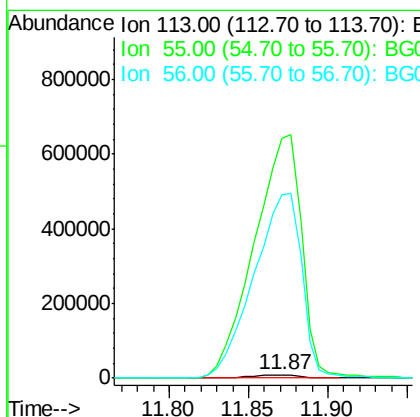
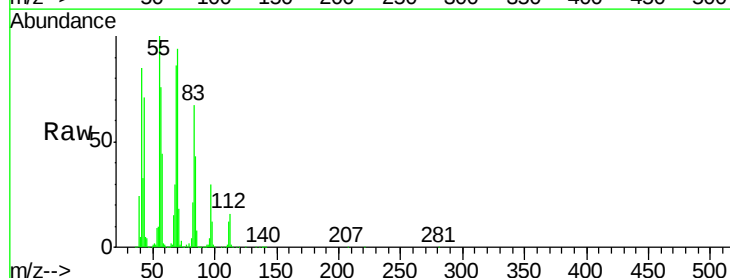
Instrument :  
BNA\_G  
ClientSampled :  
30698

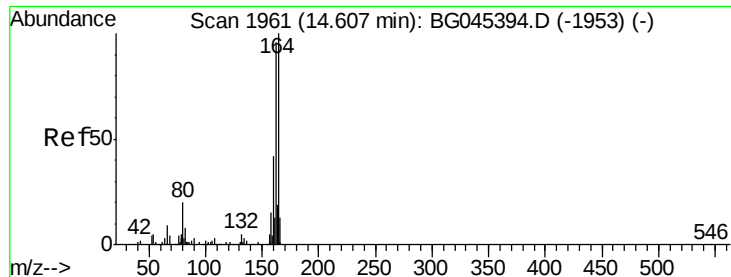
Tot Ion:122 Resp: 139  
Ion Ratio Lower Upper  
122 100  
105 0.0 107.9 147.9#  
77 72.1 78.9 118.9#



#35  
Caprolactam  
Concen: 14.733 ng  
RT: 11.87 min Scan# 1495  
Delta R.T. 0.18 min  
Lab File: BG045736.D  
Acq: 12 Jun 2020 1:01

Tgt Ion:113 Resp: 18407  
Ion Ratio Lower Upper  
113 100  
55 7951.4 96.0 136.0#  
56 6072.6 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

Instrument :

BNA\_G

ClientSampleId :

30698

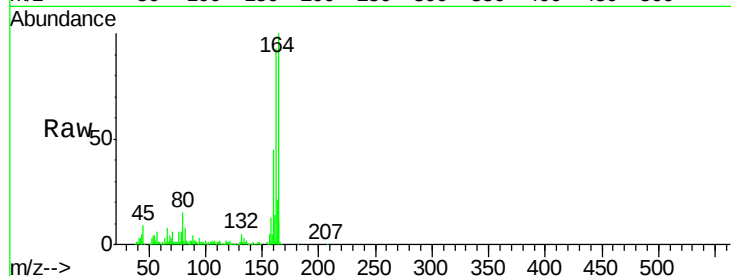
Tot Ion:164 Resp: 153045

Ion Ratio Lower Upper

164 100

162 93.2 76.9 115.3

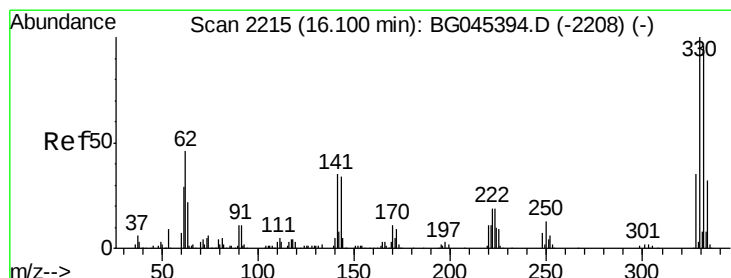
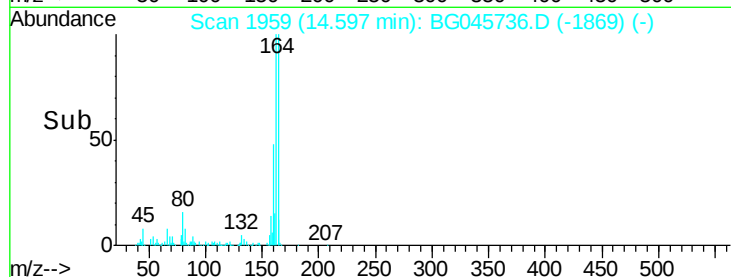
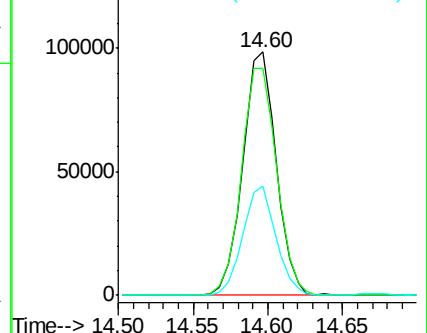
160 44.9 33.8 50.8



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: 142.194 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

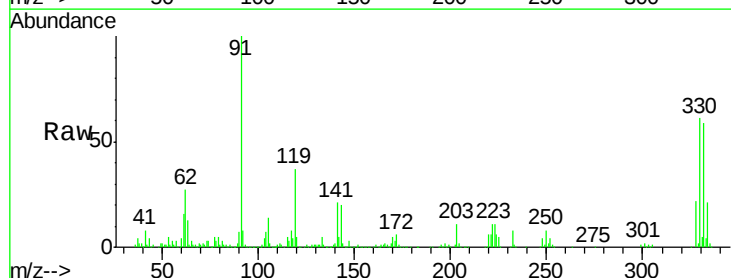
Tgt Ion:330 Resp: 278313

Ion Ratio Lower Upper

330 100

332 96.1 78.2 117.4

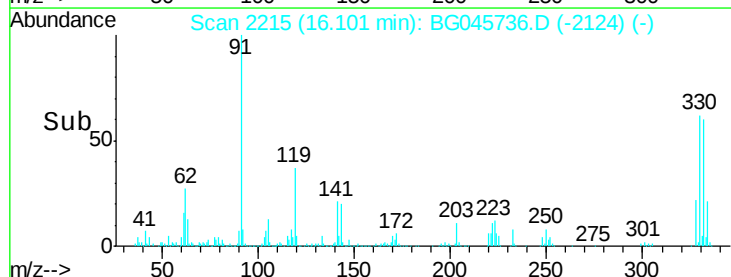
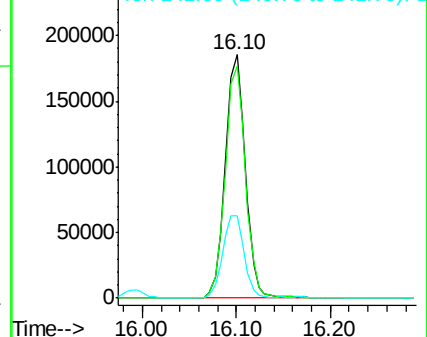
141 36.2 28.2 42.4

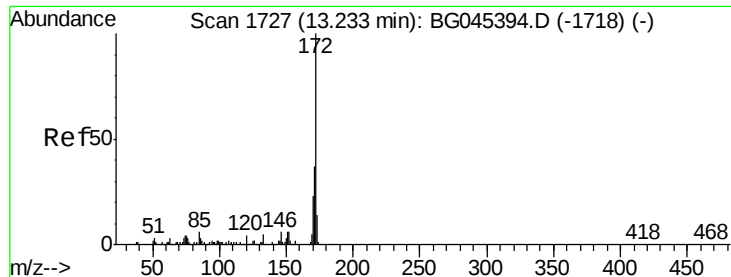


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

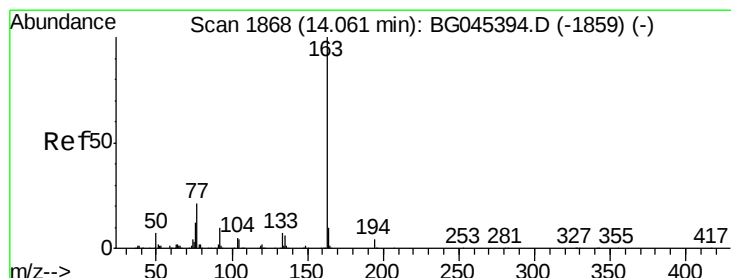
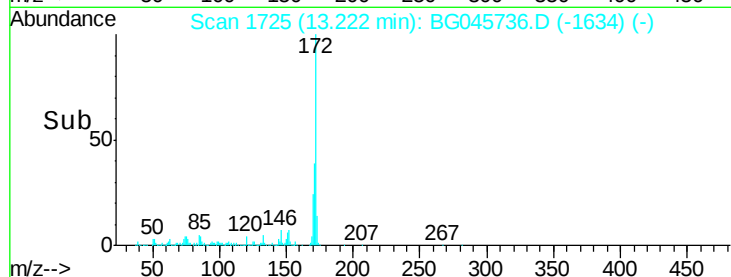
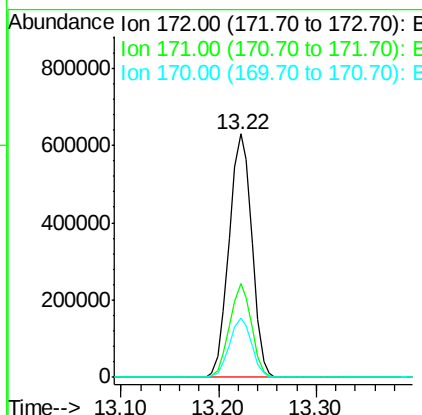
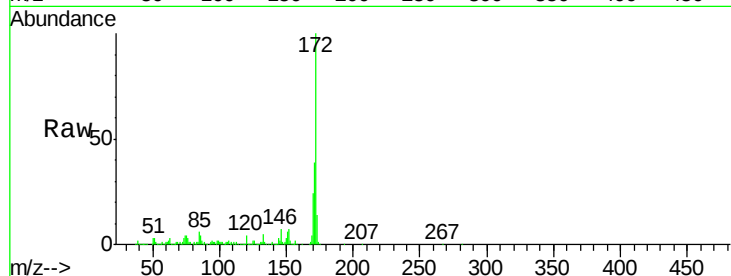




#45  
2-Fluorobiphenyl  
Concen: 112.769 ng  
RT: 13.22 min Scan# 1725  
Delta R.T. 0.01 min  
Lab File: BG045736.D  
Acq: 12 Jun 2020 1:01

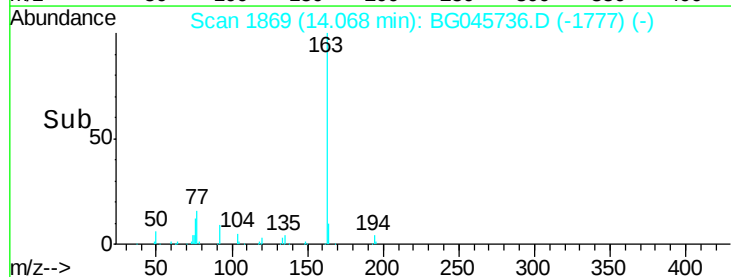
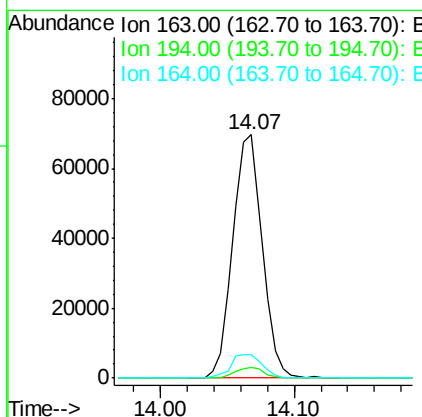
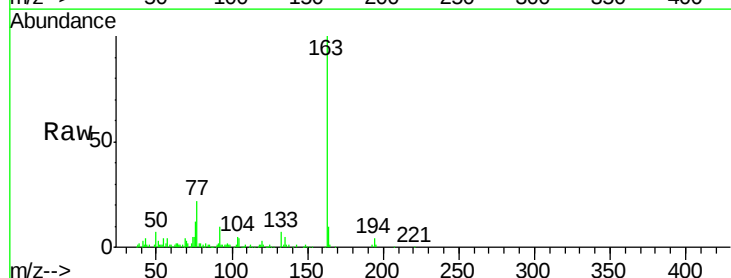
Instrument :  
BNA\_G  
ClientSampleId :  
30698

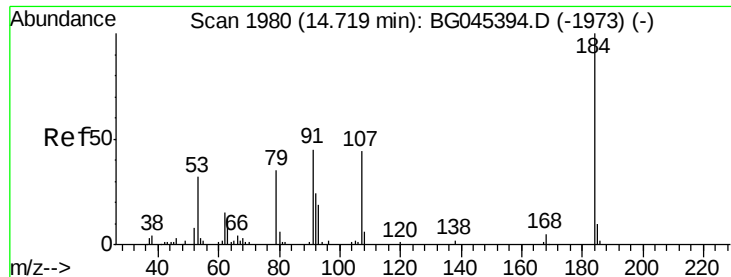
Tot Ion:172 Resp: 1017489  
Ion Ratio Lower Upper  
172 100  
171 38.6 29.5 44.3  
170 24.1 18.5 27.7



#50  
Dimethylphthalate  
Concen: 10.214 ng  
RT: 14.07 min Scan# 1869  
Delta R.T. 0.01 min  
Lab File: BG045736.D  
Acq: 12 Jun 2020 1:01

Tgt Ion:163 Resp: 107233  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.2 4.8  
164 9.9 8.3 12.5

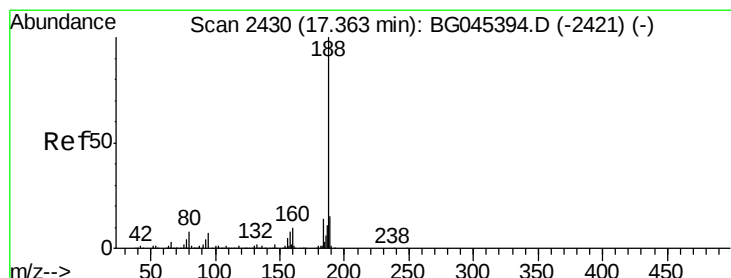
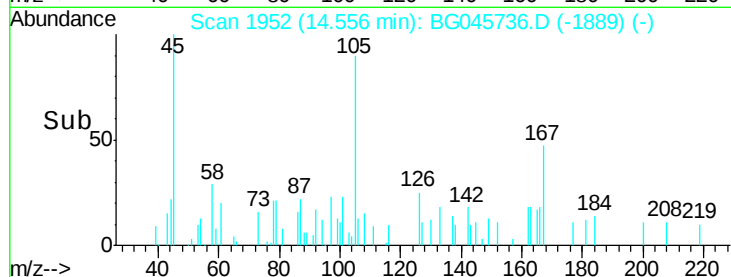
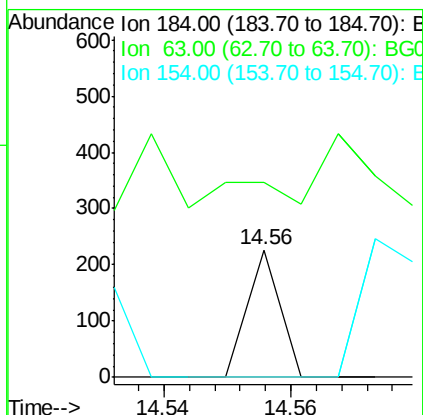
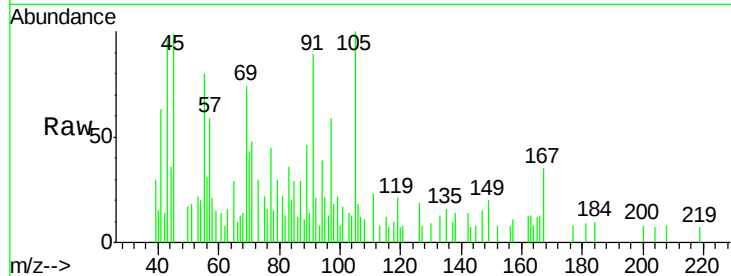




#54  
 2,4-Dinitrophenol  
 Concen: 5.507 ng  
 RT: 14.56 min Scan# 1952  
 Delta R.T. -0.16 min  
 Lab File: BG045736.D  
 Acq: 12 Jun 2020 1:01

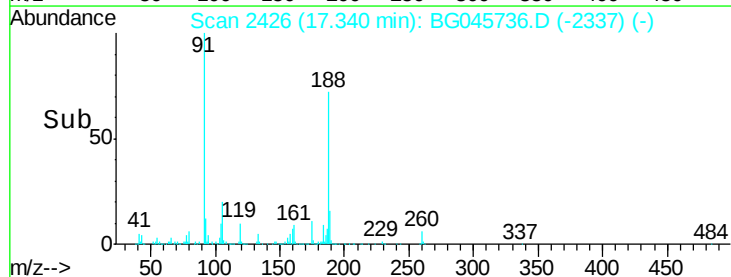
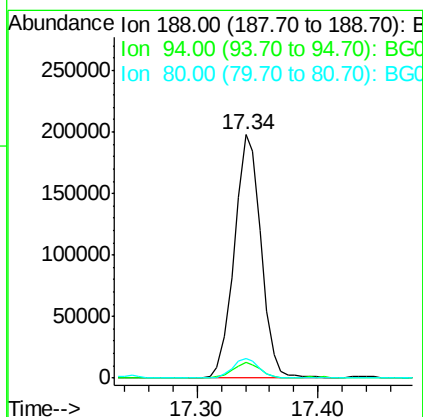
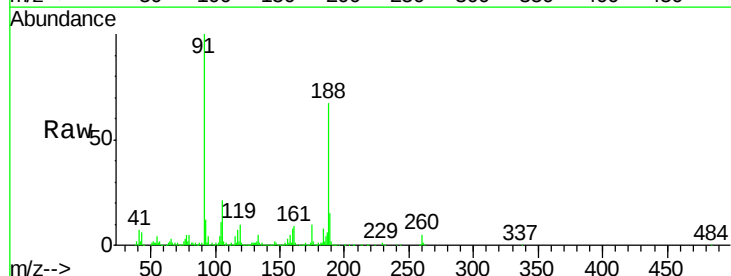
Instrument :  
 BNA\_G  
 ClientSampled :  
 30698

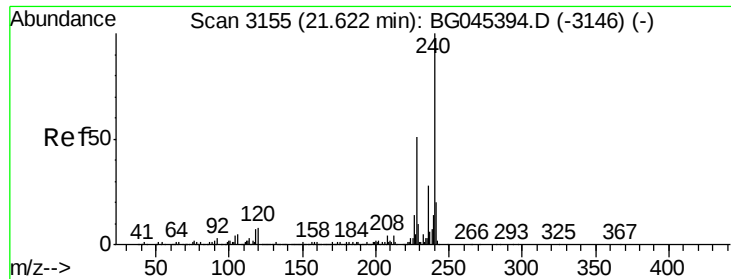
Tot Ion:184 Resp: 80  
 Ion Ratio Lower Upper  
 184 100  
 63 153.5 47.8 71.6#  
 154 0.0 58.3 87.5#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.34 min Scan# 2426  
 Delta R.T. -0.00 min  
 Lab File: BG045736.D  
 Acq: 12 Jun 2020 1:01

Tgt Ion:188 Resp: 305127  
 Ion Ratio Lower Upper  
 188 100  
 94 6.4 5.5 8.3  
 80 8.0 6.6 10.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

Instrument :

BNA\_G

ClientSampleId :

30698

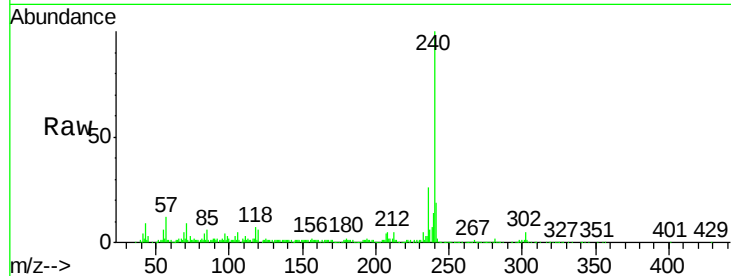
Tot Ion:240 Resp: 291109

Ion Ratio Lower Upper

240 100

120 6.3 6.1 9.1

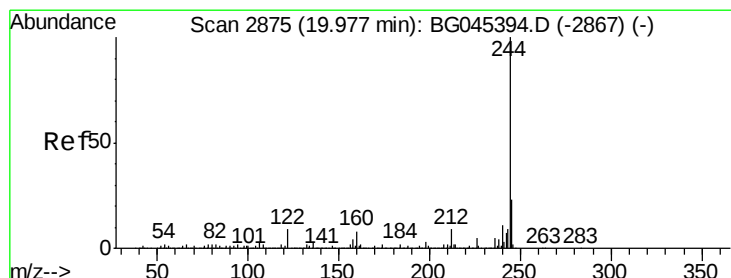
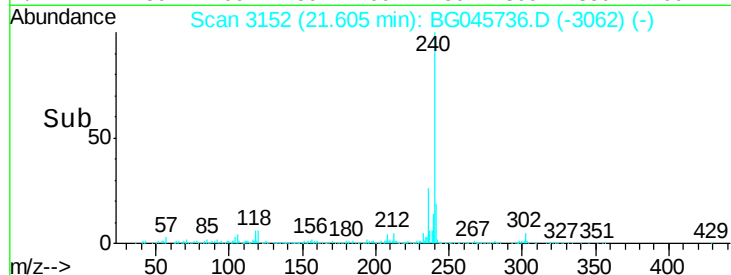
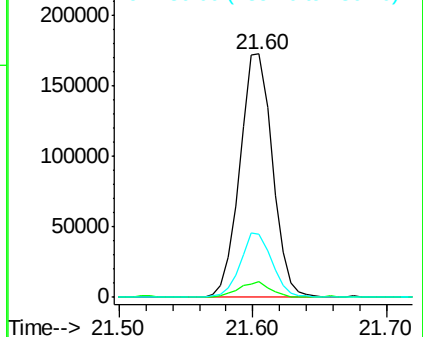
236 25.7 22.3 33.5



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



#79

Terphenyl-d14

Concen: 113.131 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045736.D

Acq: 12 Jun 2020 1:01

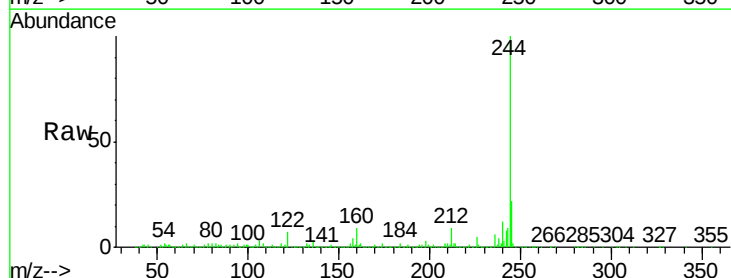
Tgt Ion:244 Resp: 1412059

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.0

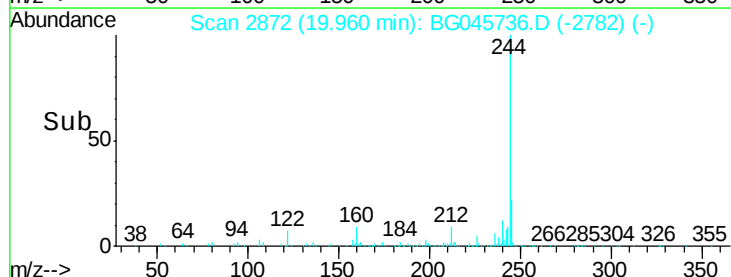
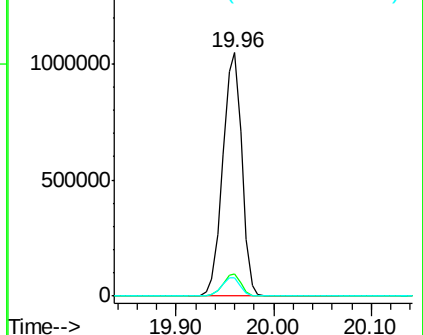
122 7.5 6.8 10.2

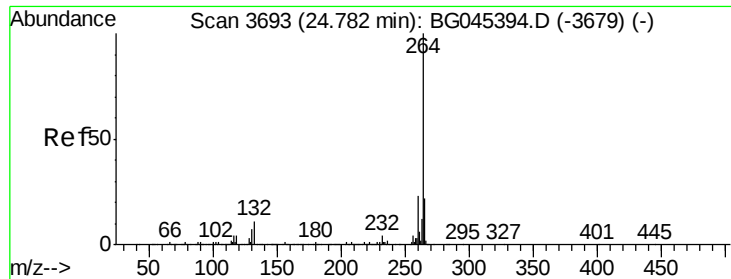


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

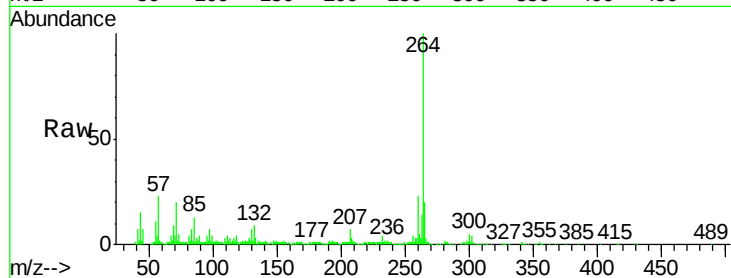




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.77 min Scan# 3690  
Delta R.T. 0.01 min  
Lab File: BG045736.D  
Acq: 12 Jun 2020 1:01

Instrument :  
BNA\_G  
ClientSampleId :  
30698

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 18.2  | 27.4  |
| 265     | 20.3  | 17.6  | 26.4  |



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

