

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031524\  
 Data File : BG060668.D  
 Acq On : 15 Mar 2024 18:10  
 Operator : MA/JU  
 Sample : P1773-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-6A

Quant Time: Mar 15 23:38:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 00:45:22 2024  
 Response via : Initial Calibration

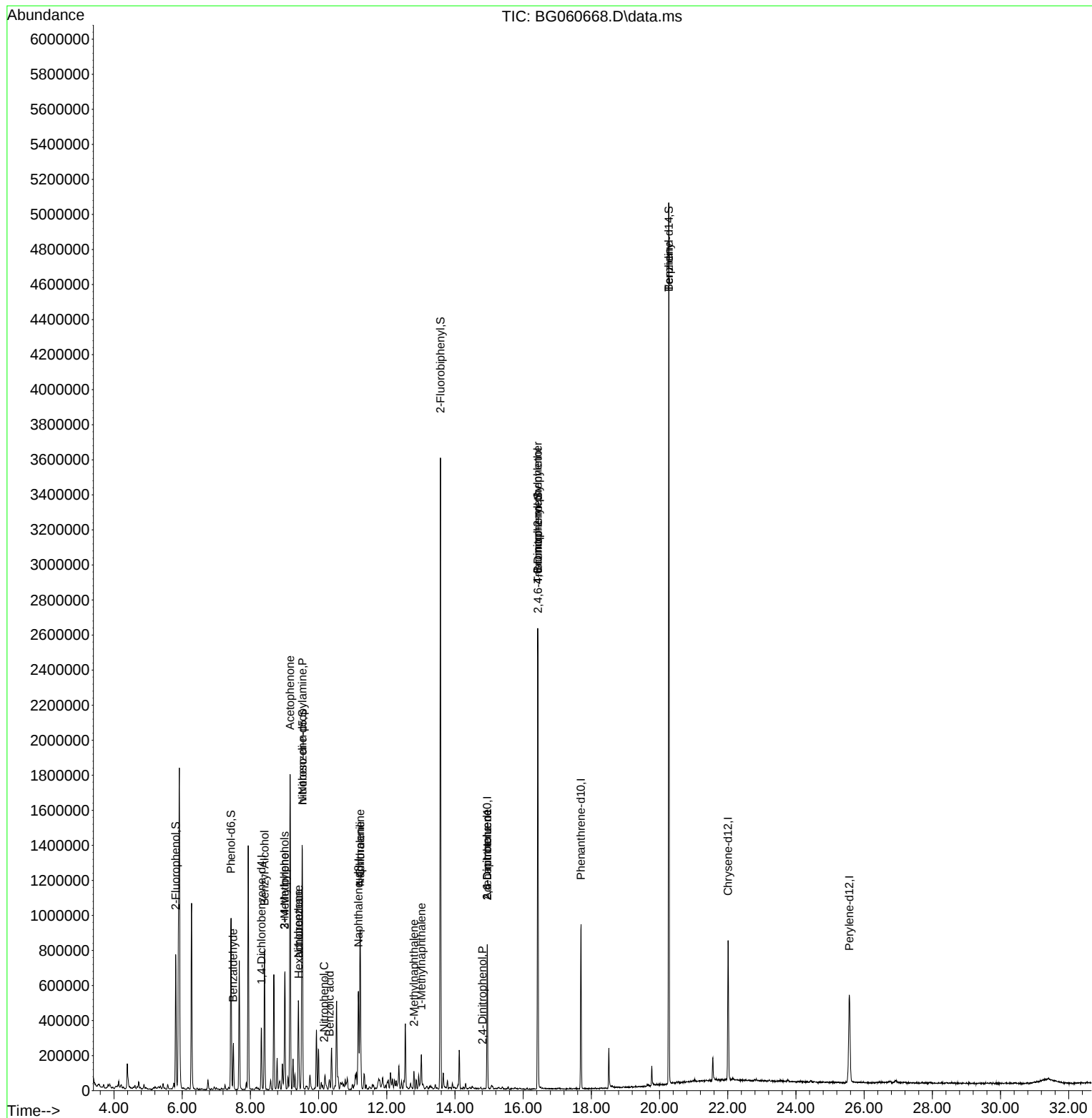
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.326  | 152  | 96200    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.170 | 136  | 431213   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.948 | 164  | 280037   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.698 | 188  | 580714   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.010 | 240  | 505127   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 25.565 | 264  | 589729   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.812  | 112  | 332334   | 54.306  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.433  | 99   | 285834   | 32.199  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.525  | 82   | 746964   | 90.152  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.435 | 330  | 503848   | 155.267 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.573 | 172  | 1834982  | 88.594  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.271 | 244  | 2532735  | 90.631  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 9) Benzaldehyde               | 7.498  | 77   | 20794    | 4.184   | ng    | # 1      |
| 15) Benzyl Alcohol            | 8.415  | 79   | 42167    | 6.008   | ng    | # 4      |
| 17) 2-Methylphenol            | 9.008  | 107  | 185977   | 27.191  | ng    | # 20     |
| 18) Hexachloroethane          | 9.419  | 117  | 65106    | 26.063  | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 9.525  | 70   | 97539    | 15.851  | ng    | # 77     |
| 20) 3+4-Methylphenols         | 9.008  | 107  | 220430   | 23.896  | ng    | # 8      |
| 22) Acetophenone              | 9.167  | 105  | 961987   | 83.209  | ng    | # 99     |
| 24) Nitrobenzene              | 9.413  | 77   | 31174    | 3.763   | ng    | # 22     |
| 26) 2-Nitrophenol             | 10.165 | 139  | 94       | 2.263   | ng    | # 1      |
| 31) Naphthalene               | 11.223 | 128  | 783099   | 32.513  | ng    | 99       |
| 32) Benzoic acid              | 10.324 | 122  | 6645     | 7.225   | ng    | # 24     |
| 33) 4-Chloroaniline           | 11.223 | 127  | 107779   | 10.612  | ng    | # 31     |
| 37) 2-Methylnaphthalene       | 12.798 | 142  | 40464    | 2.432   | ng    | 93       |
| 38) 1-Methylnaphthalene       | 13.015 | 142  | 76905    | 4.925   | ng    | 91       |
| 51) 2,6-Dinitrotoluene        | 14.948 | 165  | 37439    | 9.674   | ng    | # 19     |
| 54) 2,4-Dinitrophenol         | 14.807 | 184  | 55       | 6.869   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 14.948 | 165  | 37439    | 7.690   | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 16.429 | 198  | 1754     | 5.416   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.429 | 248  | 32675    | 5.218   | ng    | # 1      |
| 77) Benzidine                 | 20.271 | 184  | 41536    | 3.362   | ng    | # 93     |

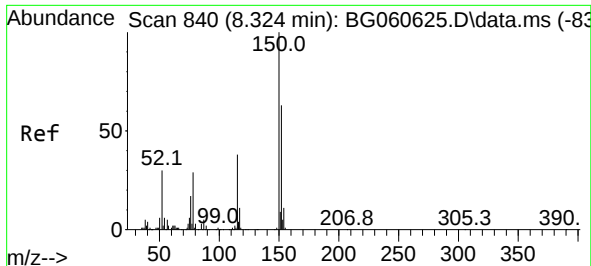
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031524\  
Data File : BG060668.D  
Acq On : 15 Mar 2024 18:10  
Operator : MA/JU  
Sample : P1773-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

Quant Time: Mar 15 23:38:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 14 00:45:22 2024  
Response via : Initial Calibration

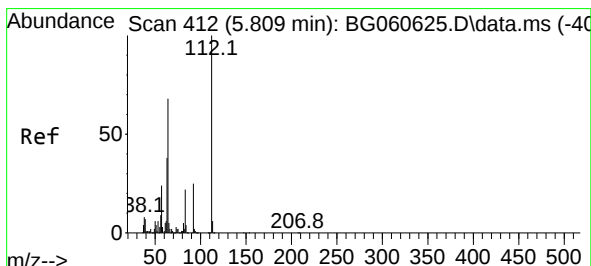
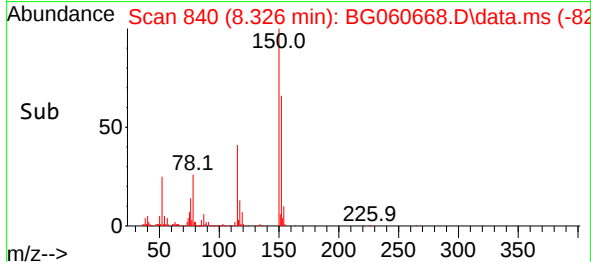
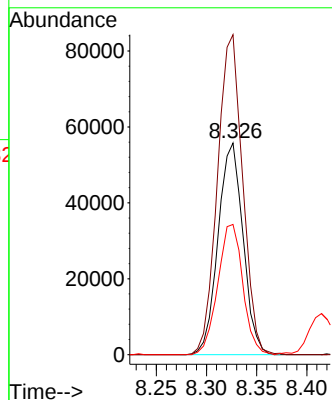
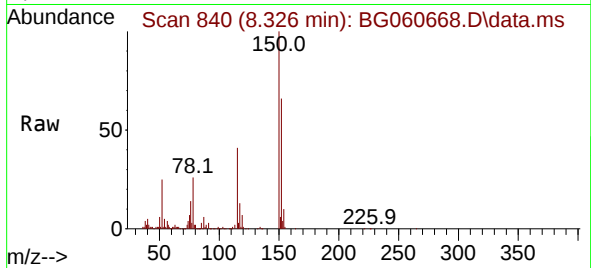




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.326 min Scan# 840  
 Delta R.T. 0.002 min  
 Lab File: BG060668.D  
 Acq: 15 Mar 2024 18:10

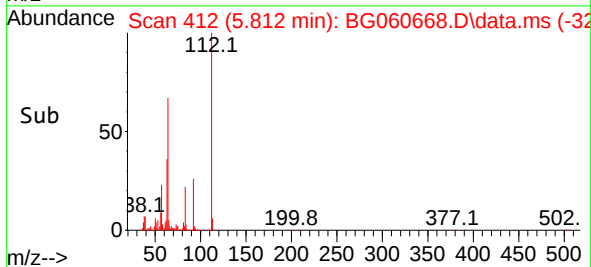
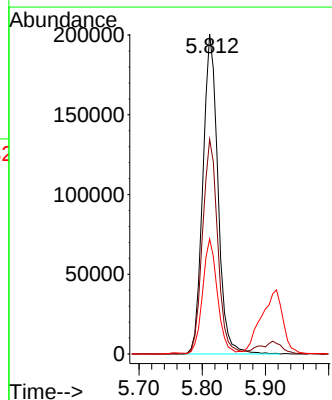
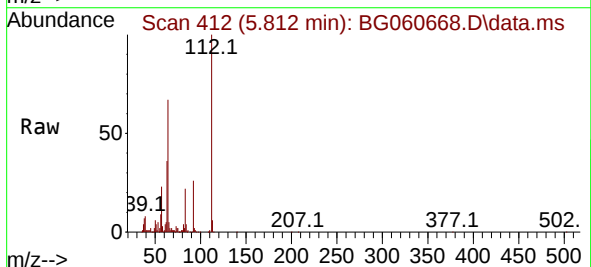
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-6A

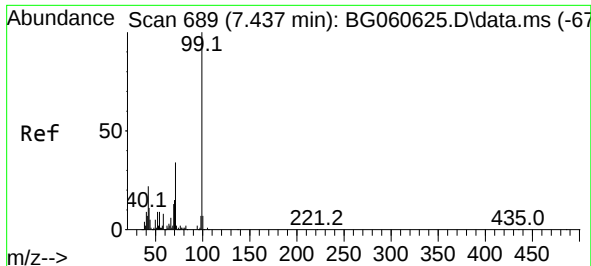
Tgt Ion:152 Resp: 96200  
 Ion Ratio Lower Upper  
 152 100  
 150 151.1 126.6 190.0  
 115 61.5 47.8 71.8



#5  
 2-Fluorophenol  
 Concen: 54.306 ng  
 RT: 5.812 min Scan# 412  
 Delta R.T. 0.003 min  
 Lab File: BG060668.D  
 Acq: 15 Mar 2024 18:10

Tgt Ion:112 Resp: 332334  
 Ion Ratio Lower Upper  
 112 100  
 64 67.1 54.1 81.1  
 63 35.9 30.3 45.5

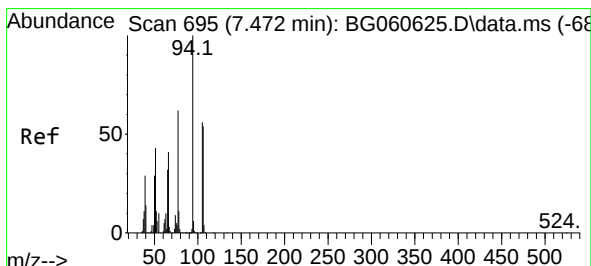
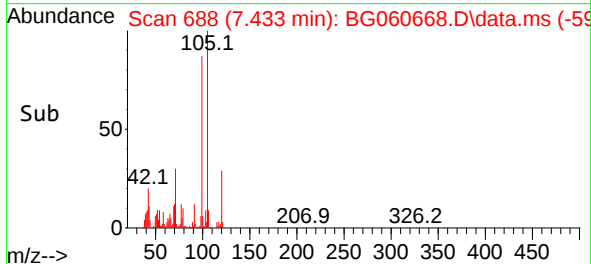
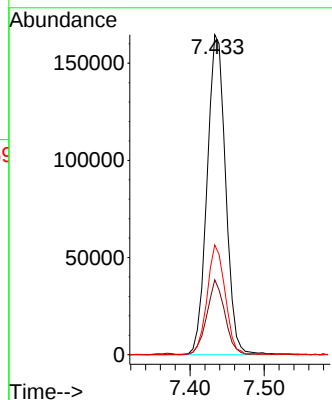
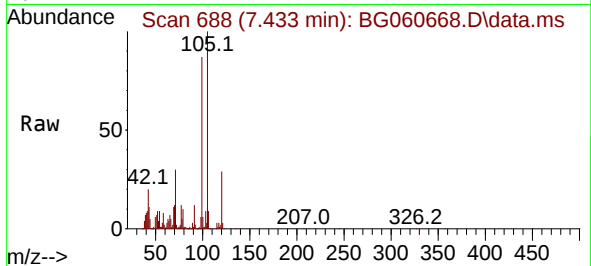




#7  
Phenol-d6  
Concen: 32.199 ng  
RT: 7.433 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

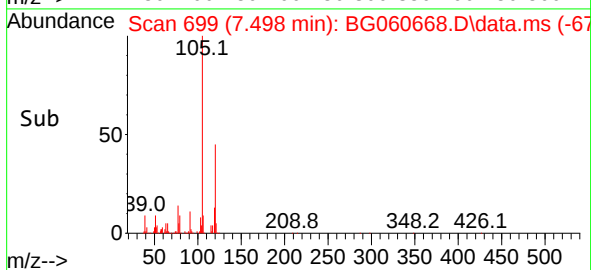
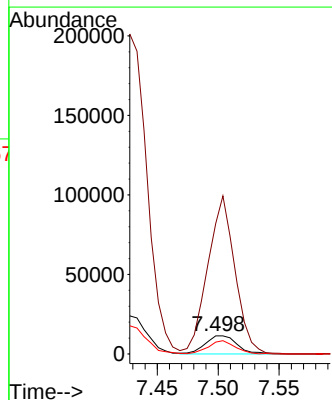
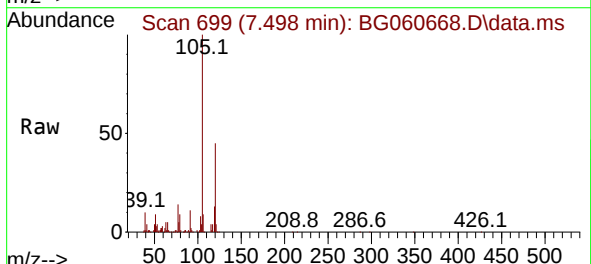
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

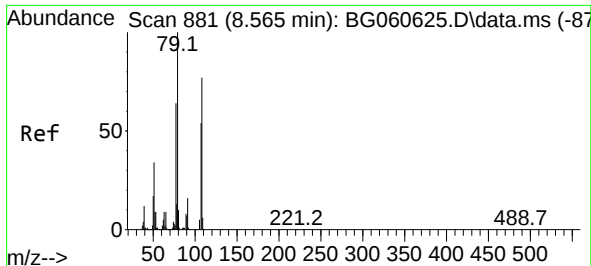
Tgt Ion: 99 Resp: 285834  
Ion Ratio Lower Upper  
99 100  
42 23.4 17.5 26.3  
71 34.3 27.4 41.0



#9  
Benzaldehyde  
Concen: 4.184 ng  
RT: 7.498 min Scan# 699  
Delta R.T. 0.026 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion: 77 Resp: 20794  
Ion Ratio Lower Upper  
77 100  
105 719.0 71.4 111.4#  
106 65.2 67.1 107.1#

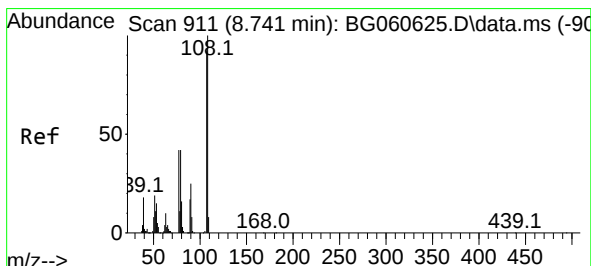
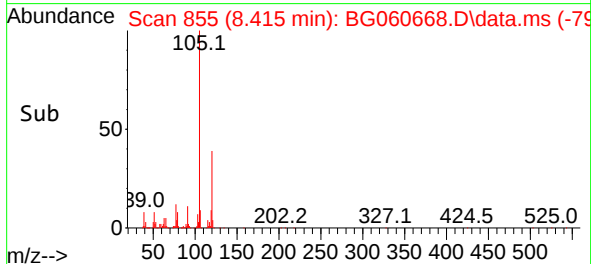
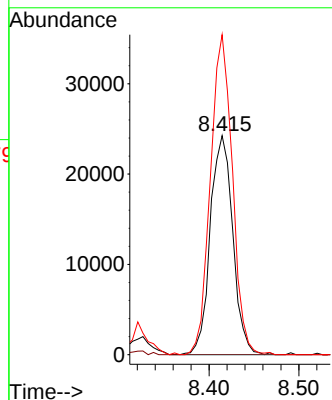
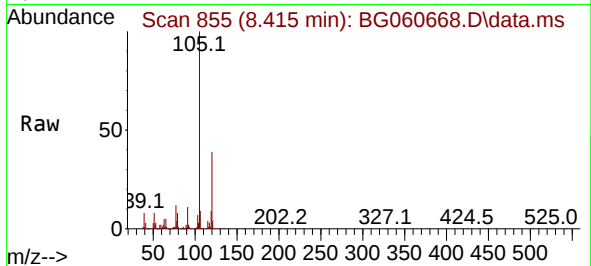




#15  
Benzyl Alcohol  
Concen: 6.008 ng  
RT: 8.415 min Scan# 81  
Delta R.T. -0.150 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

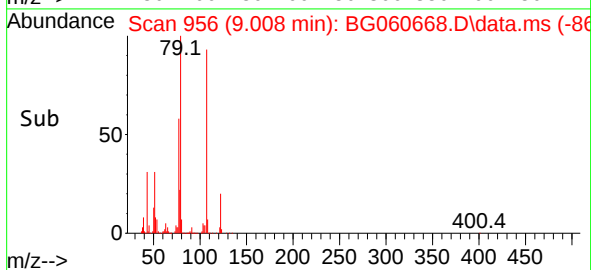
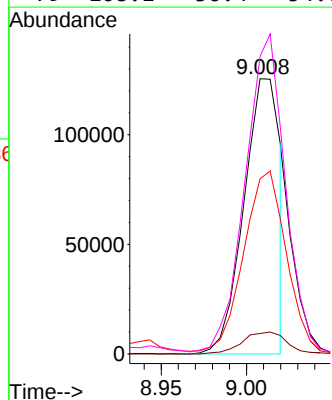
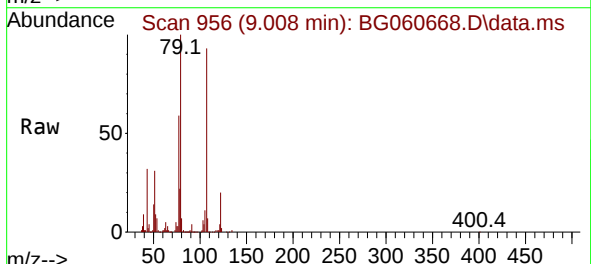
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

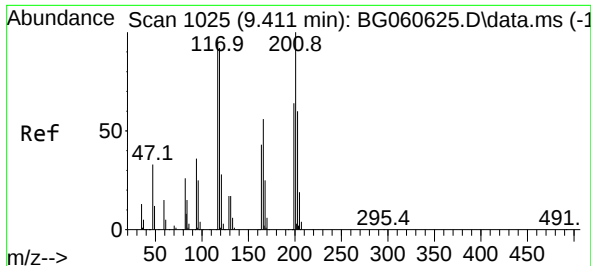
Tgt Ion: 79 Resp: 42167  
Ion Ratio Lower Upper  
79 100  
108 0.0 61.4 92.2#  
77 146.1 51.4 77.0#



#17  
2-Methylphenol  
Concen: 27.191 ng  
RT: 9.008 min Scan# 956  
Delta R.T. 0.267 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion: 107 Resp: 185977  
Ion Ratio Lower Upper  
107 100  
108 7.4 87.4 131.2#  
77 63.6 37.0 55.6#  
79 108.1 36.4 54.6#

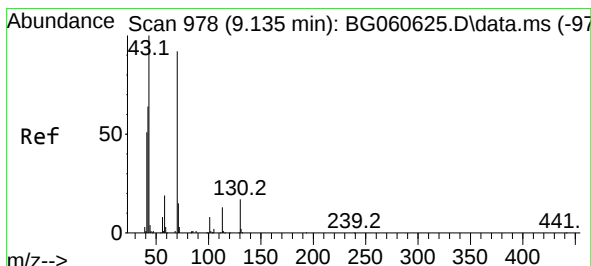
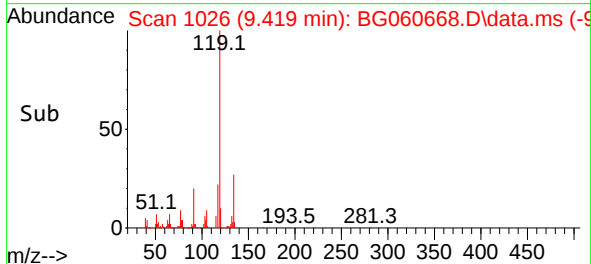
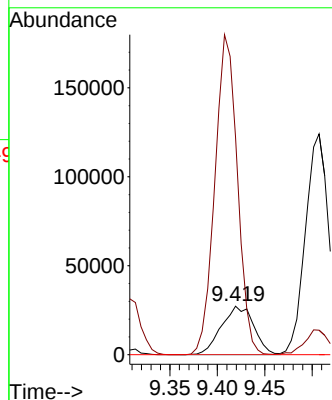
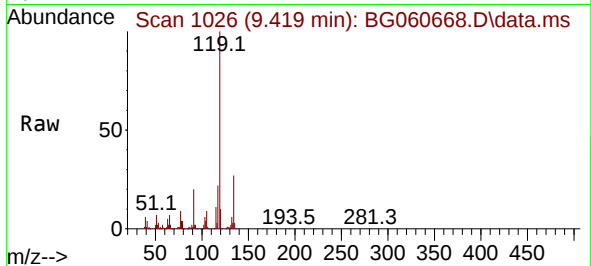




#18  
Hexachloroethane  
Concen: 26.063 ng  
RT: 9.419 min Scan# 1025  
Delta R.T. 0.008 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

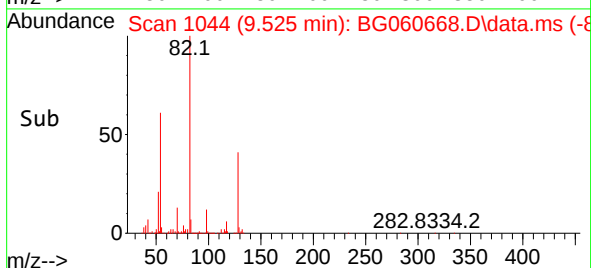
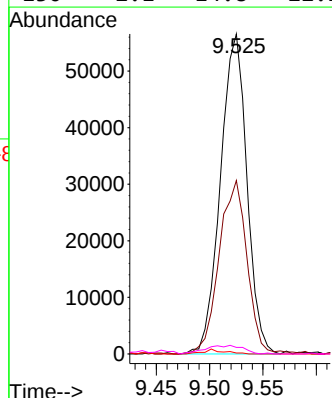
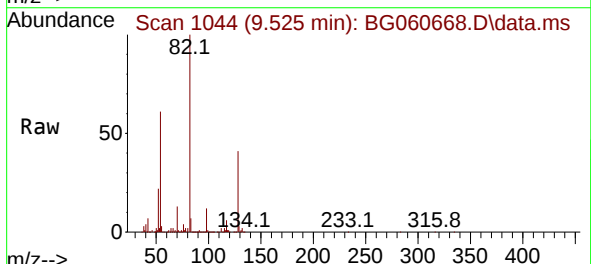
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

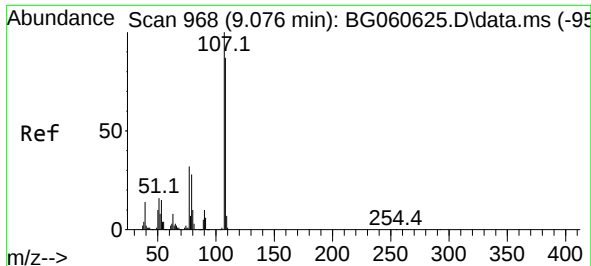
Tgt Ion:117 Resp: 65106  
Ion Ratio Lower Upper  
117 100  
119 447.8 76.7 115.1#  
201 0.0 83.0 124.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.851 ng  
RT: 9.525 min Scan# 1044  
Delta R.T. 0.390 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion: 70 Resp: 97539  
Ion Ratio Lower Upper  
70 100  
42 54.2 56.2 84.2#  
101 0.3 7.4 11.0#  
130 2.1 14.8 22.2#

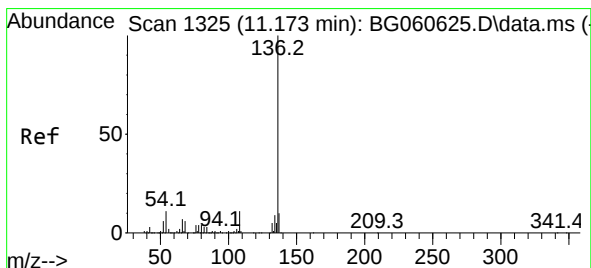
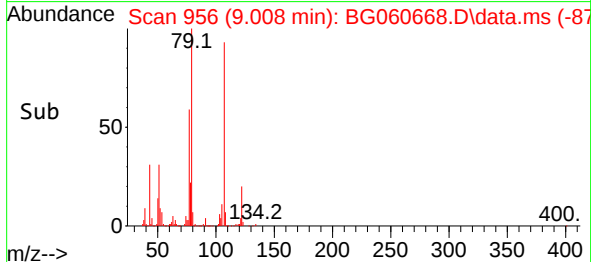
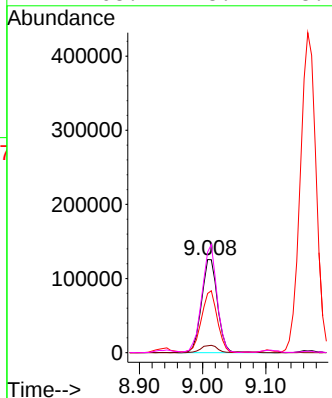
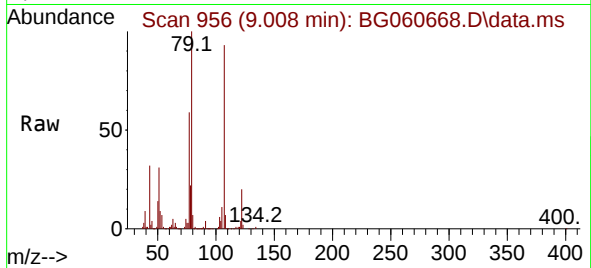




#20  
3+4-Methylphenols  
Concen: 23.896 ng  
RT: 9.008 min Scan# 91  
Delta R.T. -0.068 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

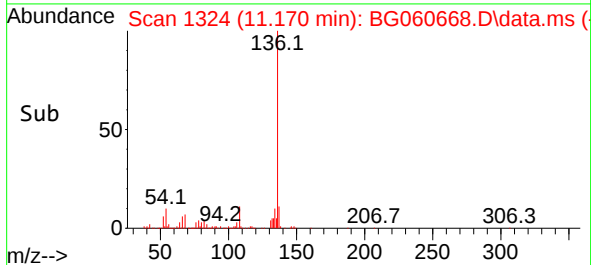
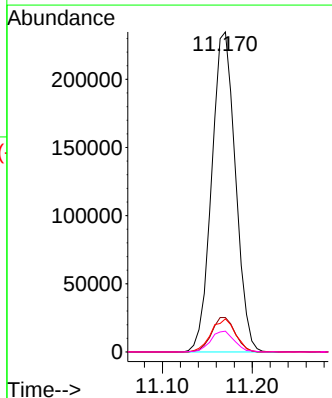
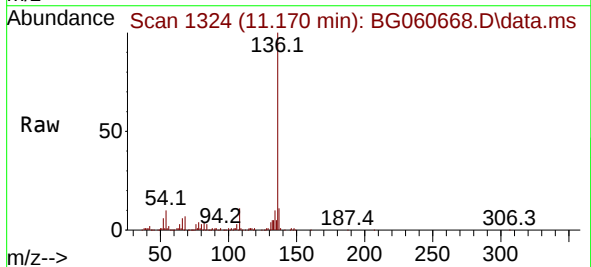
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

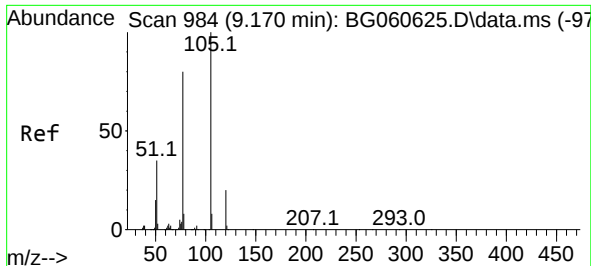
Tgt Ion:107 Resp: 220430  
Ion Ratio Lower Upper  
107 100  
108 7.4 66.8 106.8#  
77 63.6 12.4 52.4#  
79 108.1 8.1 48.1#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.170 min Scan# 1324  
Delta R.T. -0.003 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion:136 Resp: 431213  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 10.3 8.5 12.7  
68 6.5 5.0 7.6

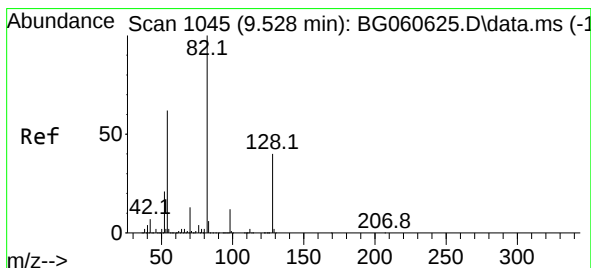
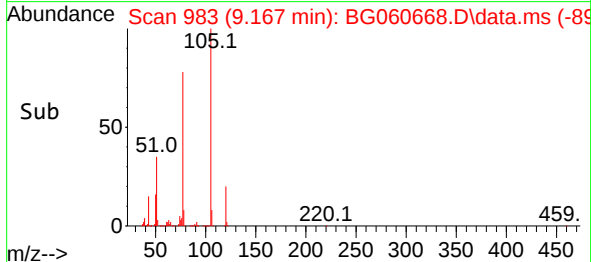
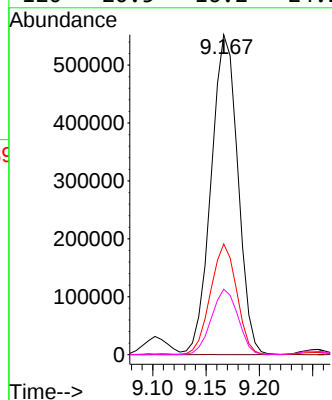
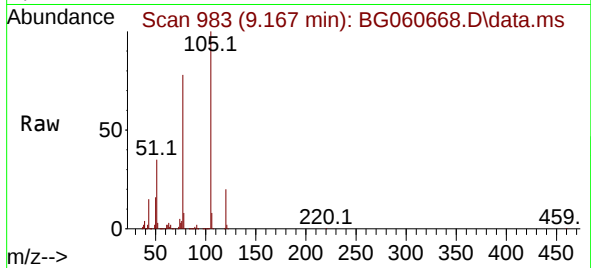




#22  
Acetophenone  
Concen: 83.209 ng  
RT: 9.167 min Scan# 91  
Delta R.T. -0.003 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

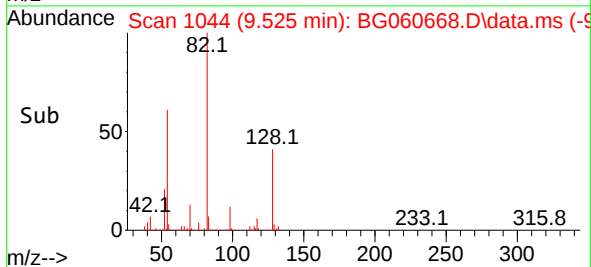
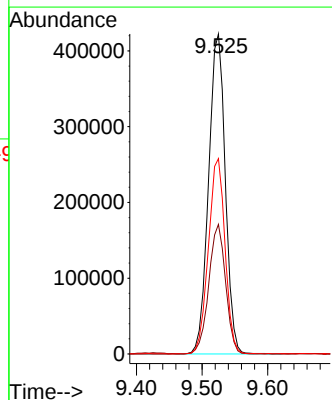
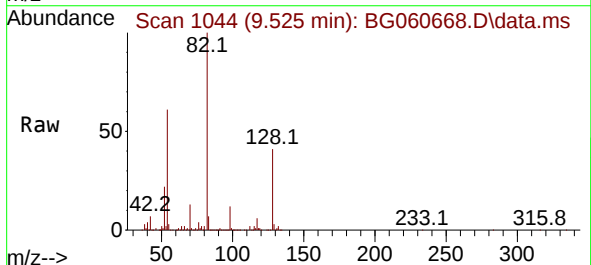
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

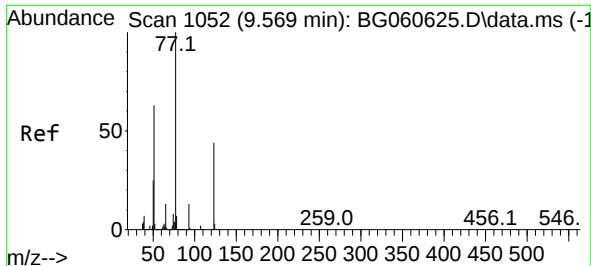
Tgt Ion:105 Resp: 961987  
Ion Ratio Lower Upper  
105 100  
71 0.0 0.1 0.1#  
51 34.6 28.0 42.0  
120 20.5 16.2 24.2



#23  
Nitrobenzene-d5  
Concen: 90.152 ng  
RT: 9.525 min Scan# 1044  
Delta R.T. -0.003 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion: 82 Resp: 746964  
Ion Ratio Lower Upper  
82 100  
128 40.5 31.6 47.4  
54 61.0 49.3 73.9

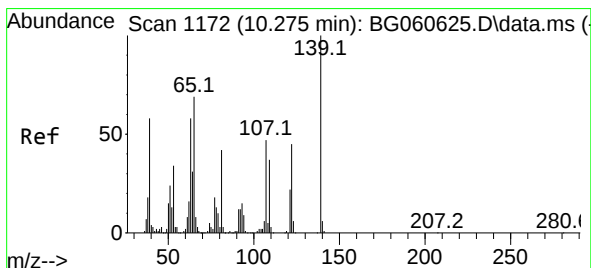
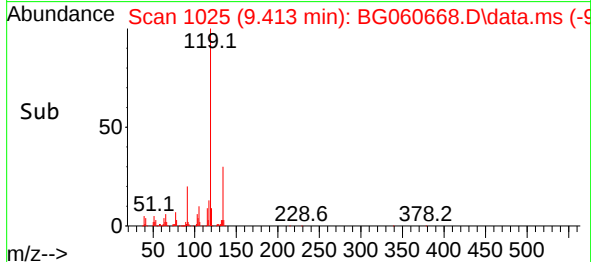
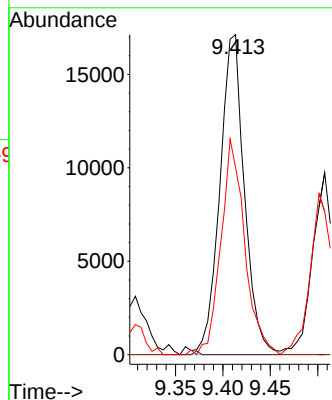
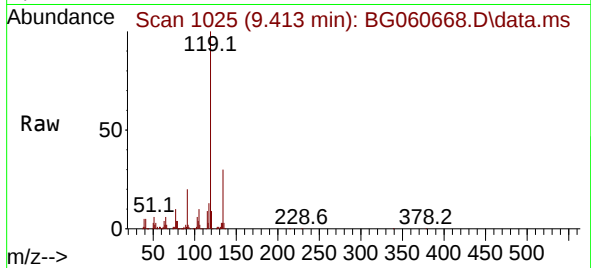




#24  
Nitrobenzene  
Concen: 3.763 ng  
RT: 9.413 min Scan# 1052  
Delta R.T. -0.156 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

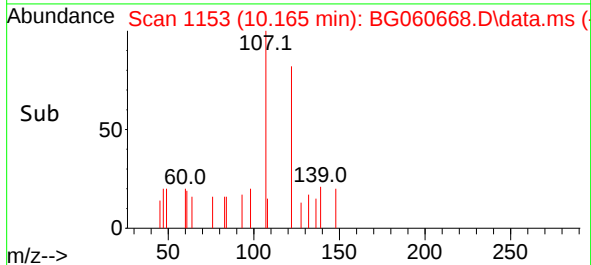
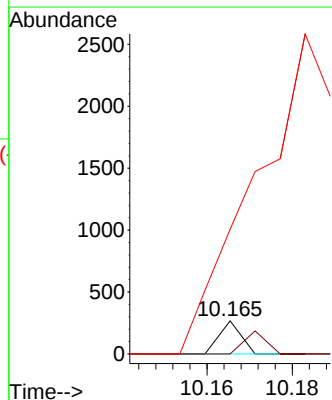
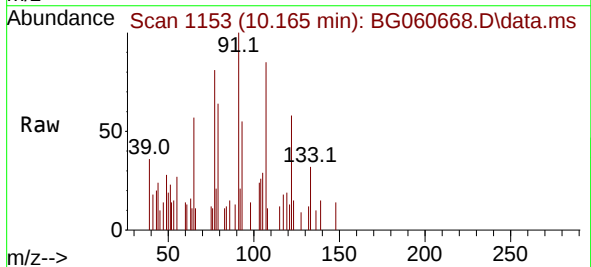
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

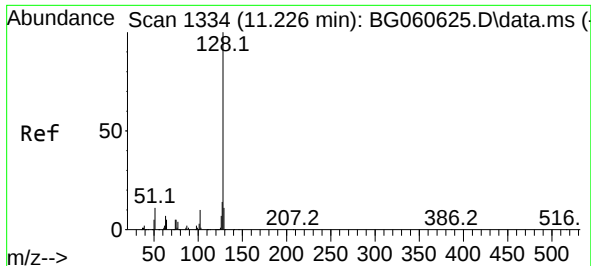
Tgt Ion: 77 Resp: 31174  
Ion Ratio Lower Upper  
77 100  
123 0.0 34.8 52.2#  
65 58.4 10.6 15.8#



#26  
2-Nitrophenol  
Concen: 2.263 ng  
RT: 10.165 min Scan# 1153  
Delta R.T. -0.110 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion: 139 Resp: 94  
Ion Ratio Lower Upper  
139 100  
109 0.0 29.5 44.3#  
65 376.8 55.0 82.4#

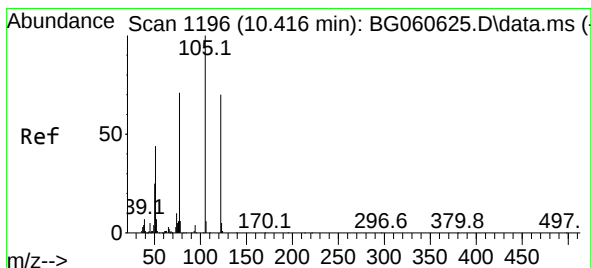
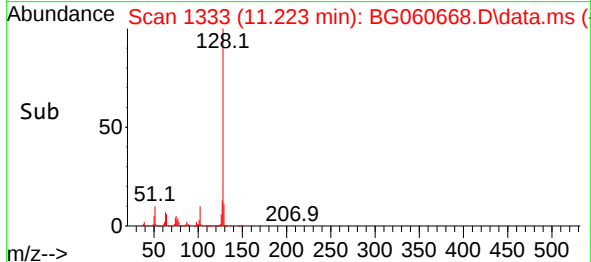
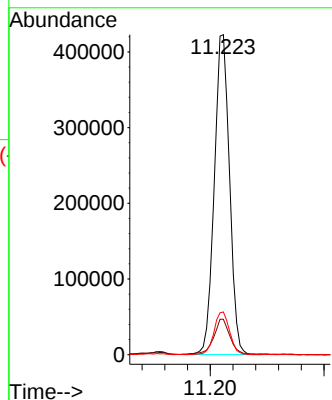
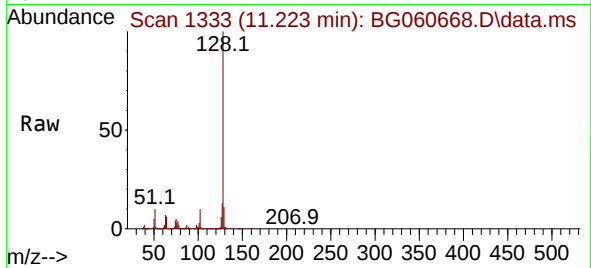




#31  
Naphthalene  
Concen: 32.513 ng  
RT: 11.223 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

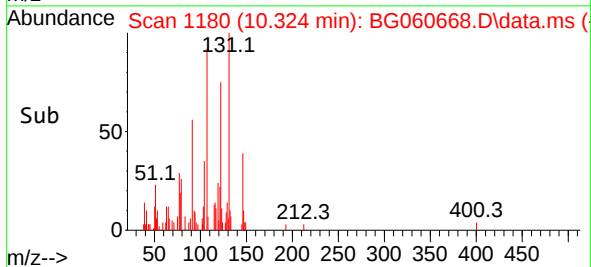
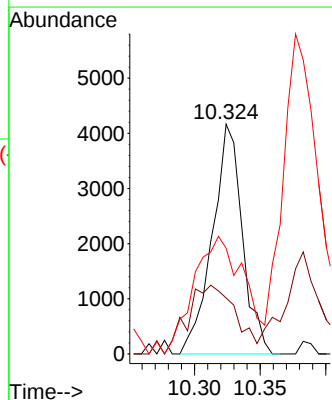
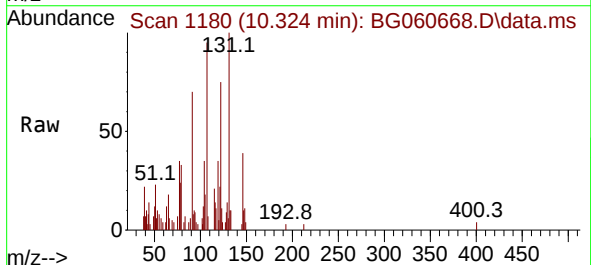
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

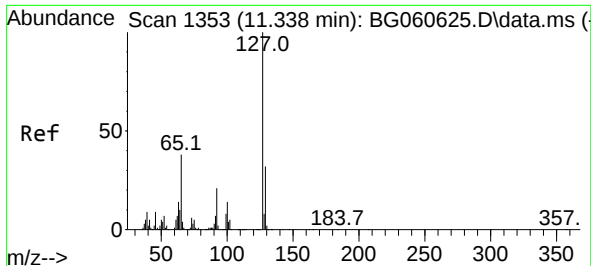
Tgt Ion:128 Resp: 783099  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 12.8  
127 13.4 11.0 16.4



#32  
Benzoic acid  
Concen: 7.225 ng  
RT: 10.324 min Scan# 1180  
Delta R.T. -0.092 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion:122 Resp: 6645  
Ion Ratio Lower Upper  
122 100  
105 24.4 115.0 155.0#  
77 46.0 79.0 119.0#

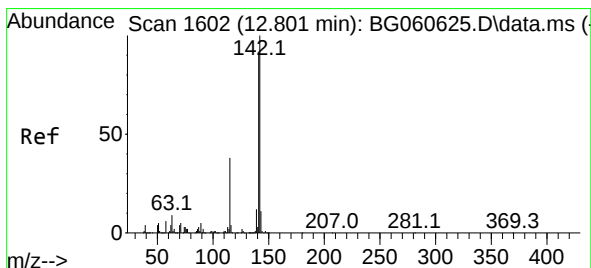
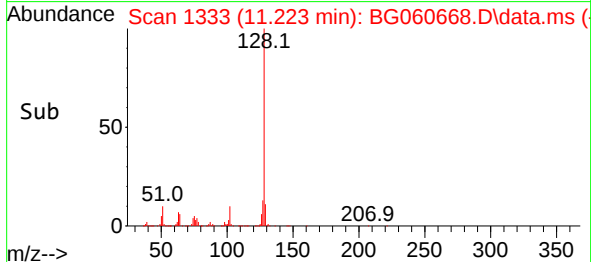
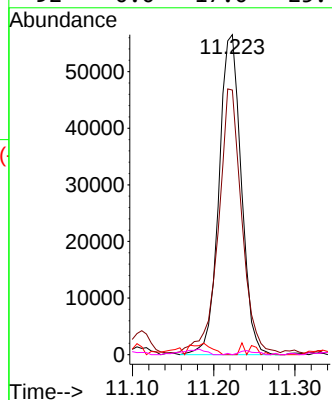
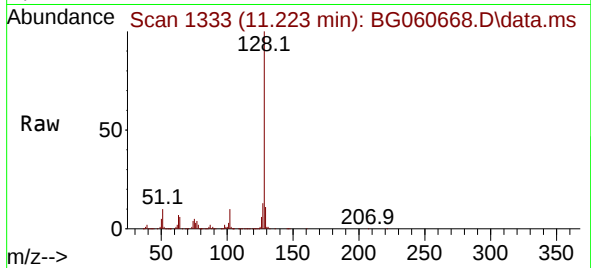




#33  
4-Chloroaniline  
Concen: 10.612 ng  
RT: 11.223 min Scan# 11  
Delta R.T. -0.115 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

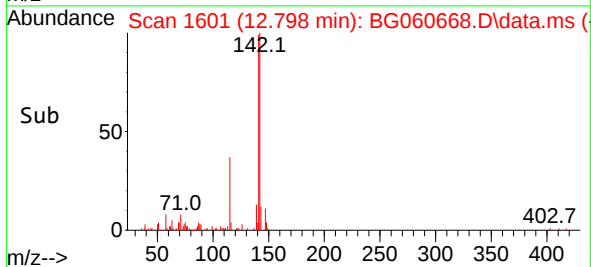
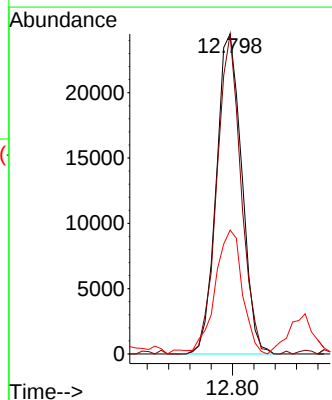
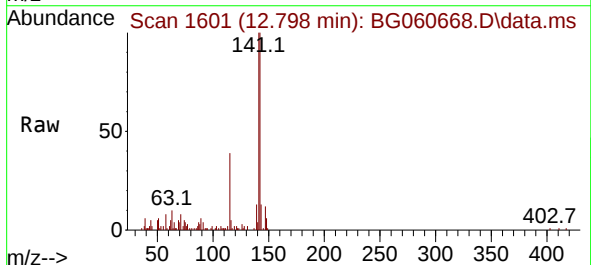
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

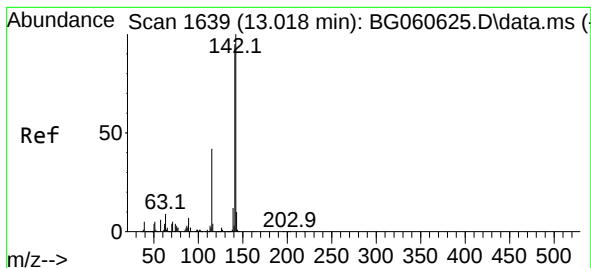
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 107779 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 82.7  | 25.6  | 38.4#  |
| 65       | 0.0   | 30.2  | 45.4#  |
| 92       | 0.0   | 17.0  | 25.4#  |



#37  
2-Methylnaphthalene  
Concen: 2.432 ng  
RT: 12.798 min Scan# 1601  
Delta R.T. -0.003 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 40464 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 100.0 | 72.7  | 109.1 |
| 115      | 38.7  | 30.2  | 45.2  |





#38

1-Methylnaphthalene

Concen: 4.925 ng

RT: 13.015 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG060668.D

Acq: 15 Mar 2024 18:10

Instrument :

BNA\_G

ClientSampleId :

MW-6A

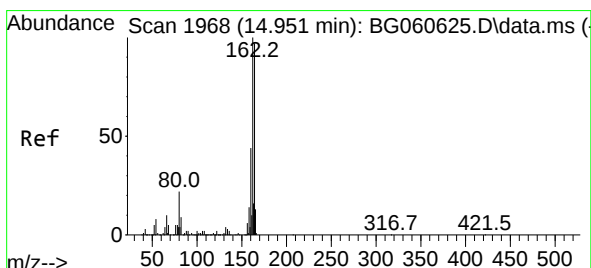
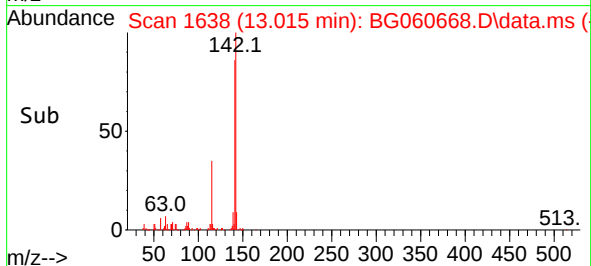
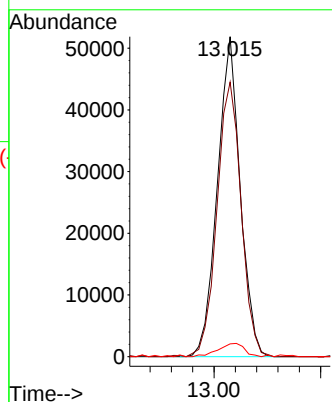
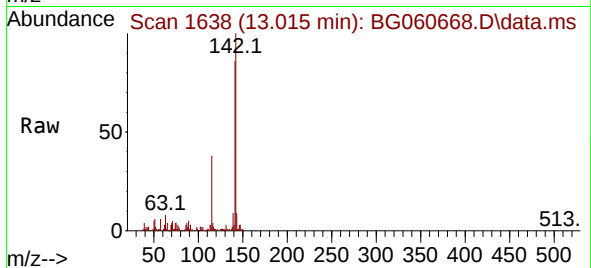
Tgt Ion:142 Resp: 76905

Ion Ratio Lower Upper

142 100

141 85.8 76.3 114.5

116 4.0 3.4 5.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.948 min Scan# 1967

Delta R.T. -0.003 min

Lab File: BG060668.D

Acq: 15 Mar 2024 18:10

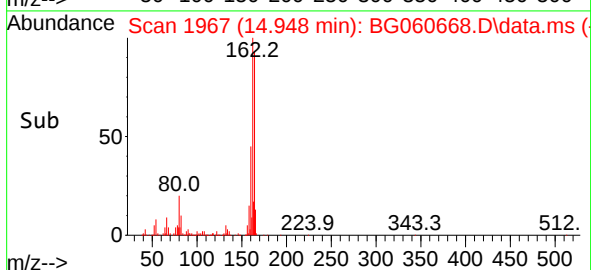
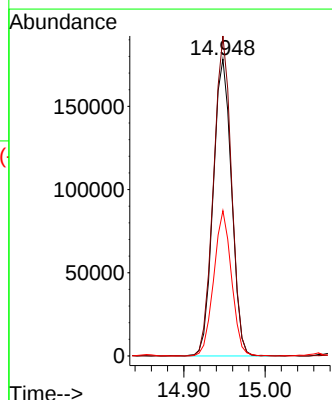
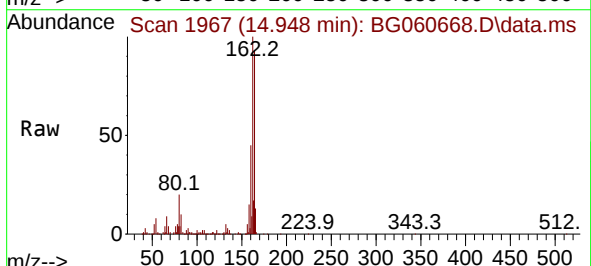
Tgt Ion:164 Resp: 280037

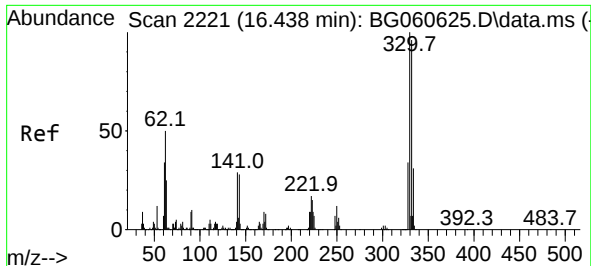
Ion Ratio Lower Upper

164 100

162 107.8 82.5 123.7

160 48.9 36.4 54.6

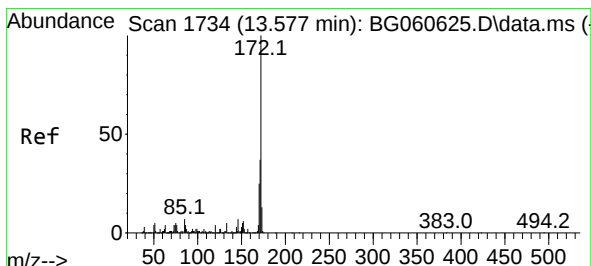
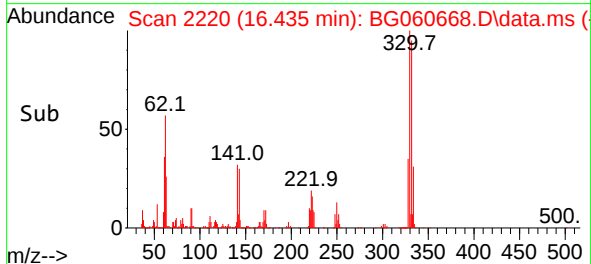
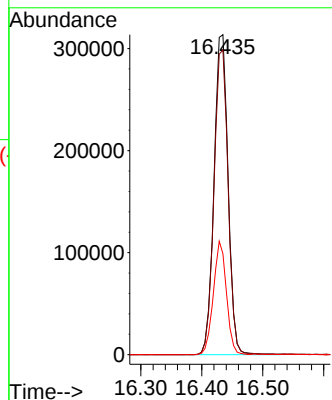
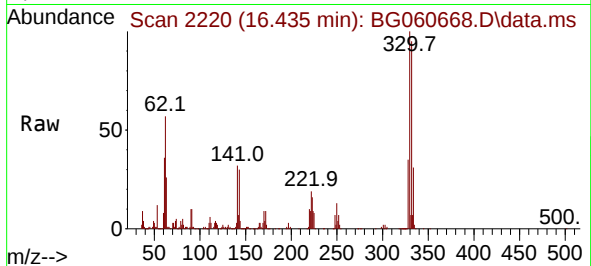




#42  
2,4,6-Tribromophenol  
Concen: 155.267 ng  
RT: 16.435 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

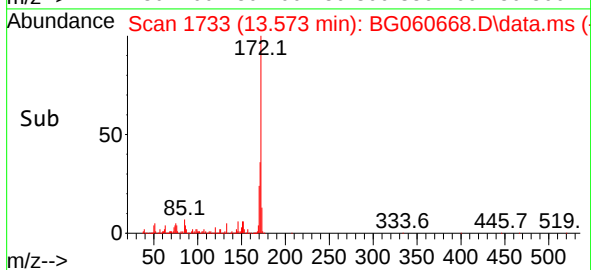
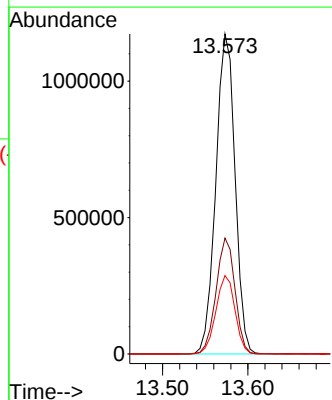
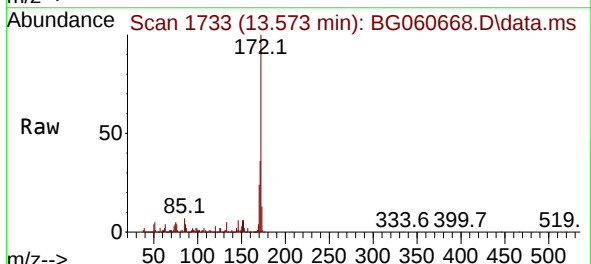
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

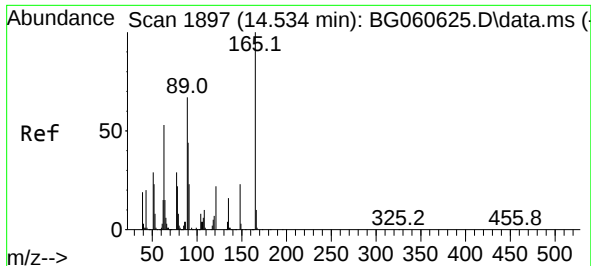
Tgt Ion:330 Resp: 503848  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.8 116.8  
141 33.0 25.4 38.2



#45  
2-Fluorobiphenyl  
Concen: 88.594 ng  
RT: 13.573 min Scan# 1733  
Delta R.T. -0.003 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion:172 Resp: 1834982  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.9 44.9  
170 24.5 19.8 29.6

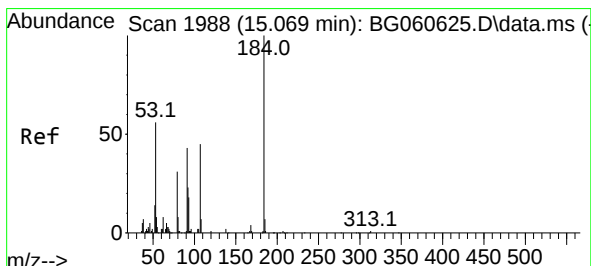
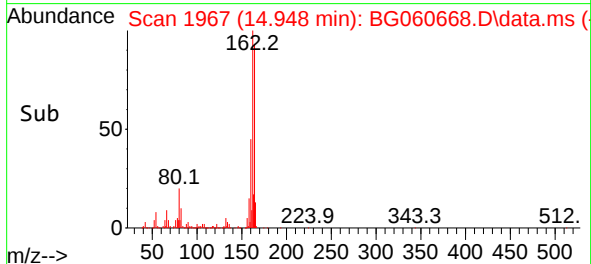
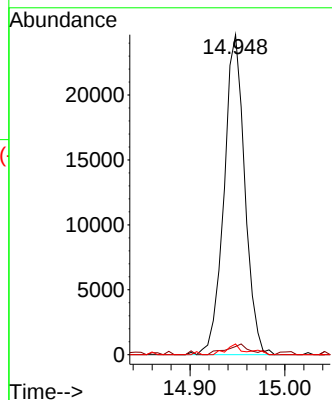
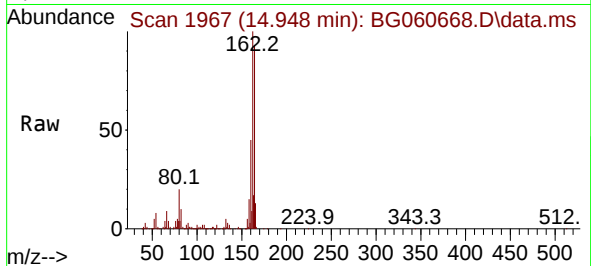




#51  
2,6-Dinitrotoluene  
Concen: 9.674 ng  
RT: 14.948 min Scan# 1943  
Delta R.T. 0.414 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

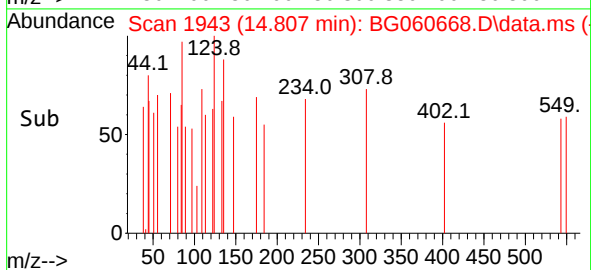
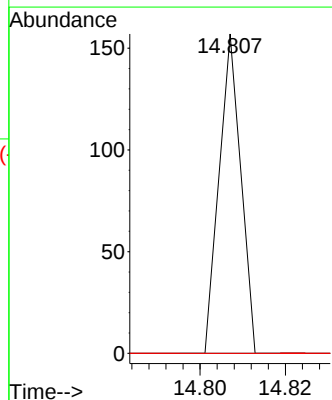
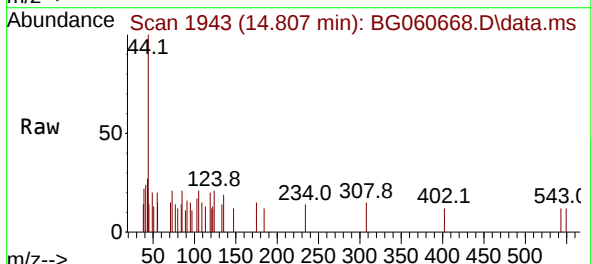
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

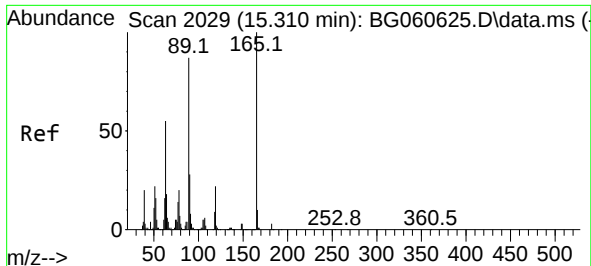
Tgt Ion:165 Resp: 37439  
Ion Ratio Lower Upper  
165 100  
63 2.6 55.8 83.6#  
89 3.3 54.1 81.1#



#54  
2,4-Dinitrophenol  
Concen: 6.869 ng  
RT: 14.807 min Scan# 1943  
Delta R.T. -0.262 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion:184 Resp: 55  
Ion Ratio Lower Upper  
184 100  
63 0.0 54.4 81.6#  
154 0.0 50.4 75.6#

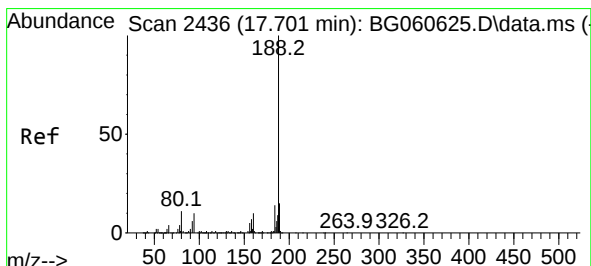
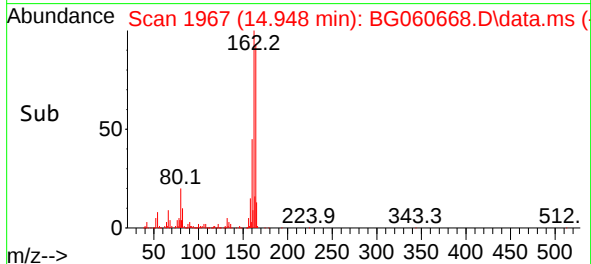
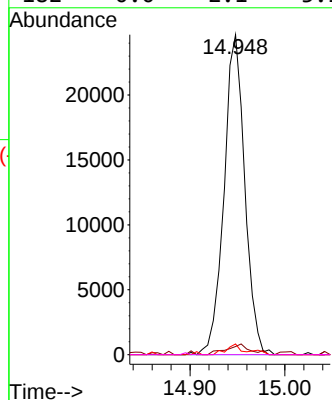
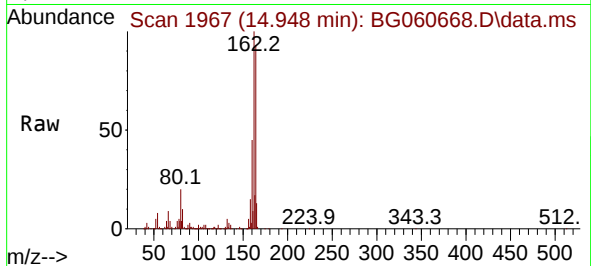




#57  
2,4-Dinitrotoluene  
Concen: 7.690 ng  
RT: 14.948 min Scan# 1967  
Delta R.T. -0.362 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

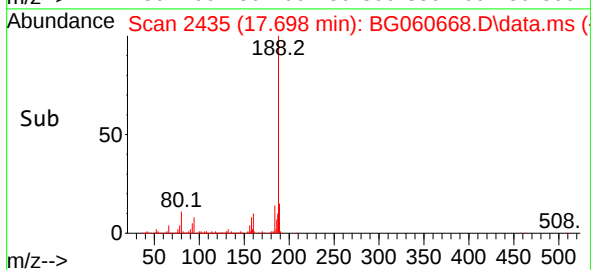
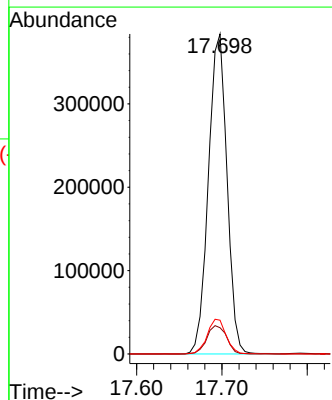
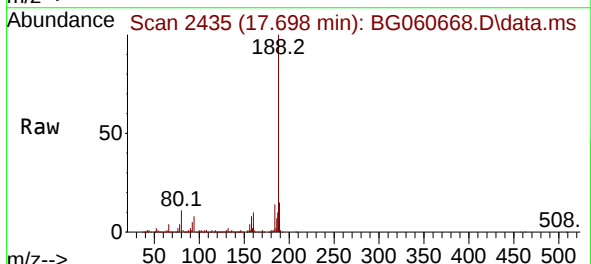
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

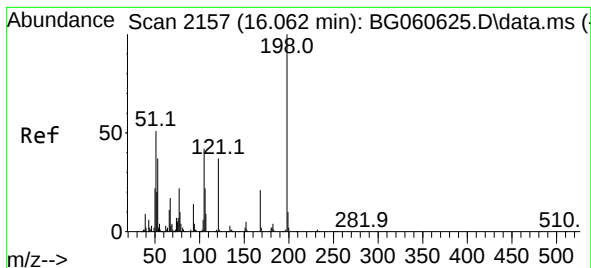
Tgt Ion:165 Resp: 37439  
Ion Ratio Lower Upper  
165 100  
63 2.6 44.1 66.1#  
89 3.3 69.7 104.5#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.698 min Scan# 2435  
Delta R.T. -0.003 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion:188 Resp: 580714  
Ion Ratio Lower Upper  
188 100  
94 8.2 7.9 11.9  
80 10.6 8.6 13.0

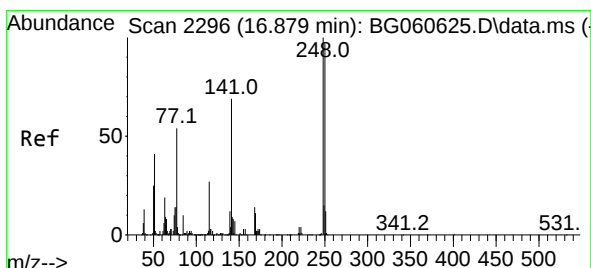
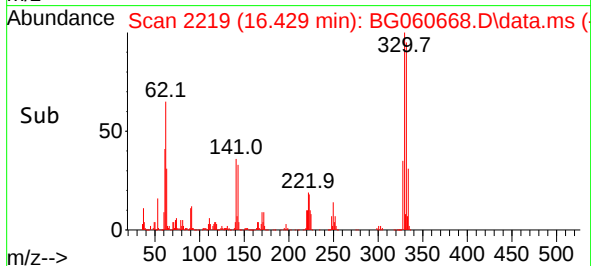
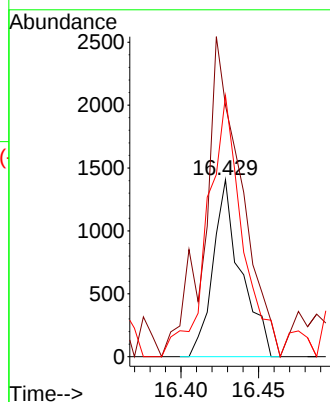
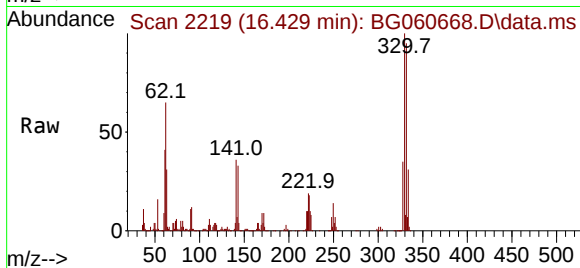




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.416 ng  
RT: 16.429 min Scan# 2157  
Delta R.T. 0.367 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

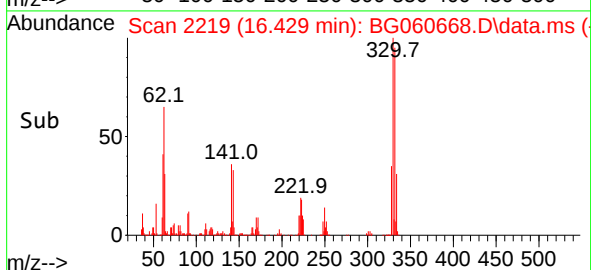
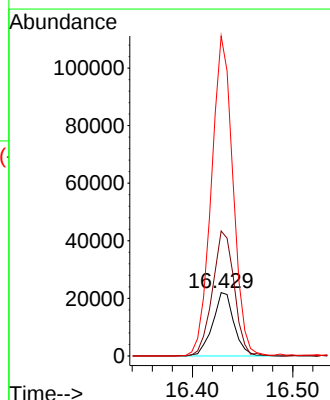
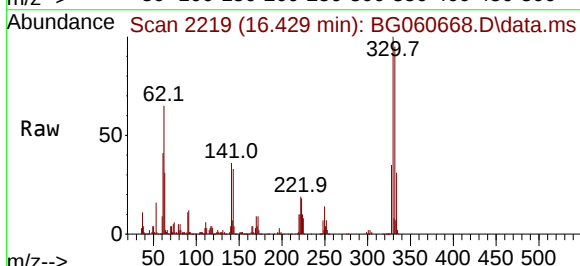
Instrument :  
BNA\_G  
ClientSampleId :  
MW-6A

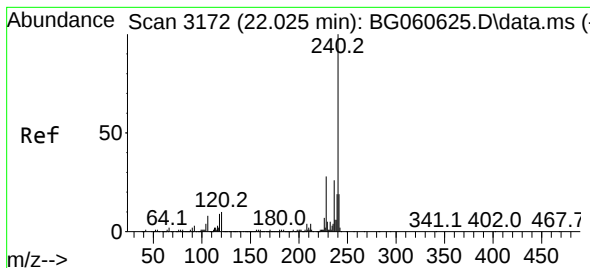
Tgt Ion:198 Resp: 1754  
Ion Ratio Lower Upper  
198 100  
51 141.9 36.9 76.9#  
105 147.5 22.4 62.4#



#67  
4-Bromophenyl-phenylether  
Concen: 5.218 ng  
RT: 16.429 min Scan# 2219  
Delta R.T. -0.450 min  
Lab File: BG060668.D  
Acq: 15 Mar 2024 18:10

Tgt Ion:248 Resp: 32675  
Ion Ratio Lower Upper  
248 100  
250 197.1 77.8 116.6#  
141 504.5 55.1 82.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.010 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG060668.D

Acq: 15 Mar 2024 18:10

Instrument :

BNA\_G

ClientSampleId :

MW-6A

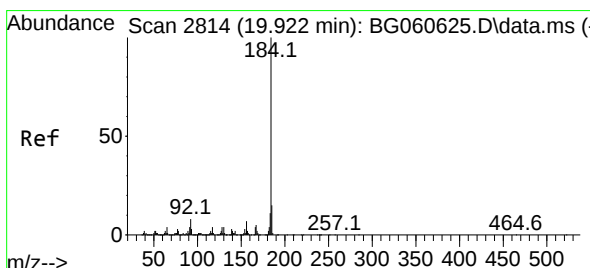
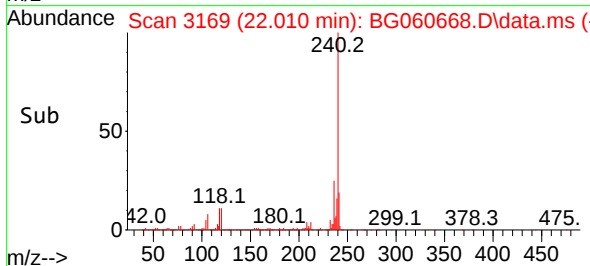
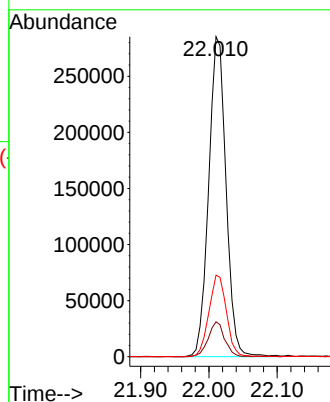
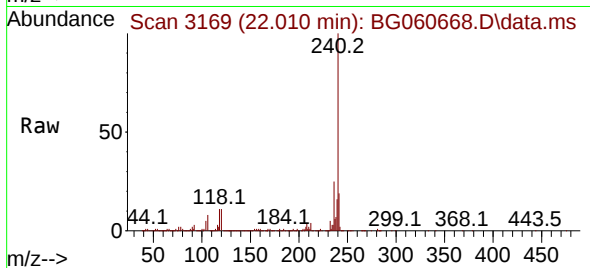
Tgt Ion:240 Resp: 505127

Ion Ratio Lower Upper

240 100

120 10.9 7.8 11.8

236 25.5 20.6 31.0



#77

Benzidine

Concen: 3.362 ng

RT: 20.271 min Scan# 2873

Delta R.T. 0.349 min

Lab File: BG060668.D

Acq: 15 Mar 2024 18:10

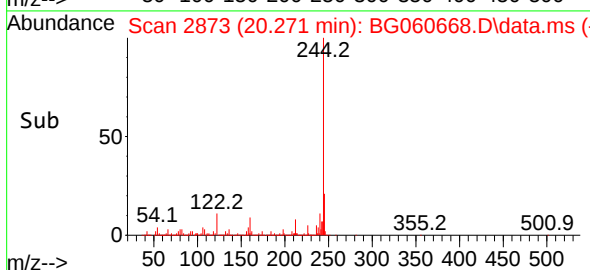
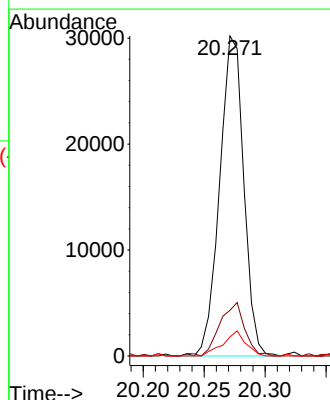
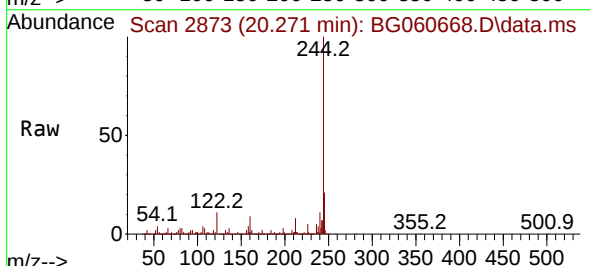
Tgt Ion:184 Resp: 41536

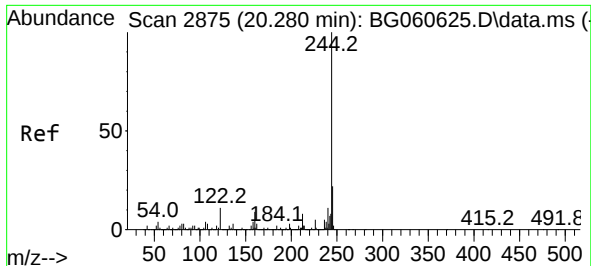
Ion Ratio Lower Upper

184 100

185 14.2 11.7 17.5

183 6.0 9.2 13.8#

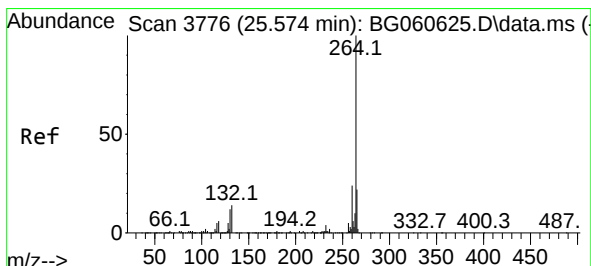
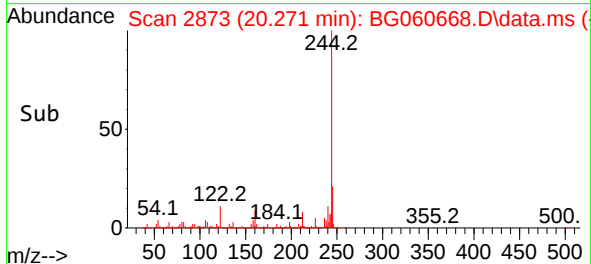
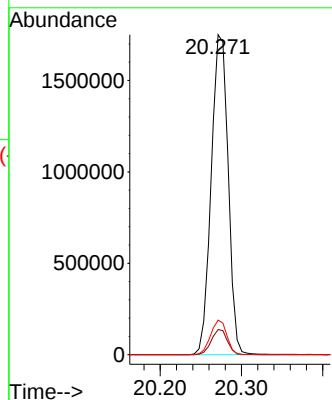
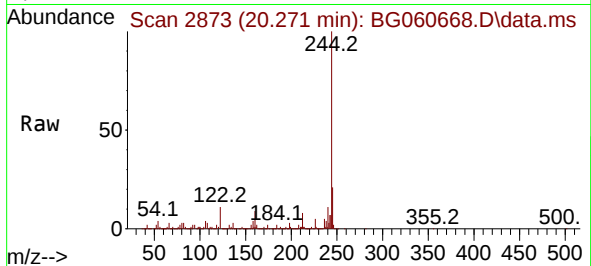




#79  
 Terphenyl-d14  
 Concen: 90.631 ng  
 RT: 20.271 min Scan# 21  
 Delta R.T. -0.009 min  
 Lab File: BG060668.D  
 Acq: 15 Mar 2024 18:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-6A

Tgt Ion:244 Resp: 2532735  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.6 9.8  
 122 10.8 8.5 12.7



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.565 min Scan# 3774  
 Delta R.T. -0.009 min  
 Lab File: BG060668.D  
 Acq: 15 Mar 2024 18:10

Tgt Ion:264 Resp: 589729  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.4 29.2  
 265 22.5 18.1 27.1

