

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042222\  
 Data File : BG053280.D  
 Acq On : 23 Apr 2022 3:21  
 Operator : CG/JU  
 Sample : N2526-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-5D

Quant Time: Apr 24 01:17:43 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Apr 24 01:13:30 2022  
 Response via : Initial Calibration

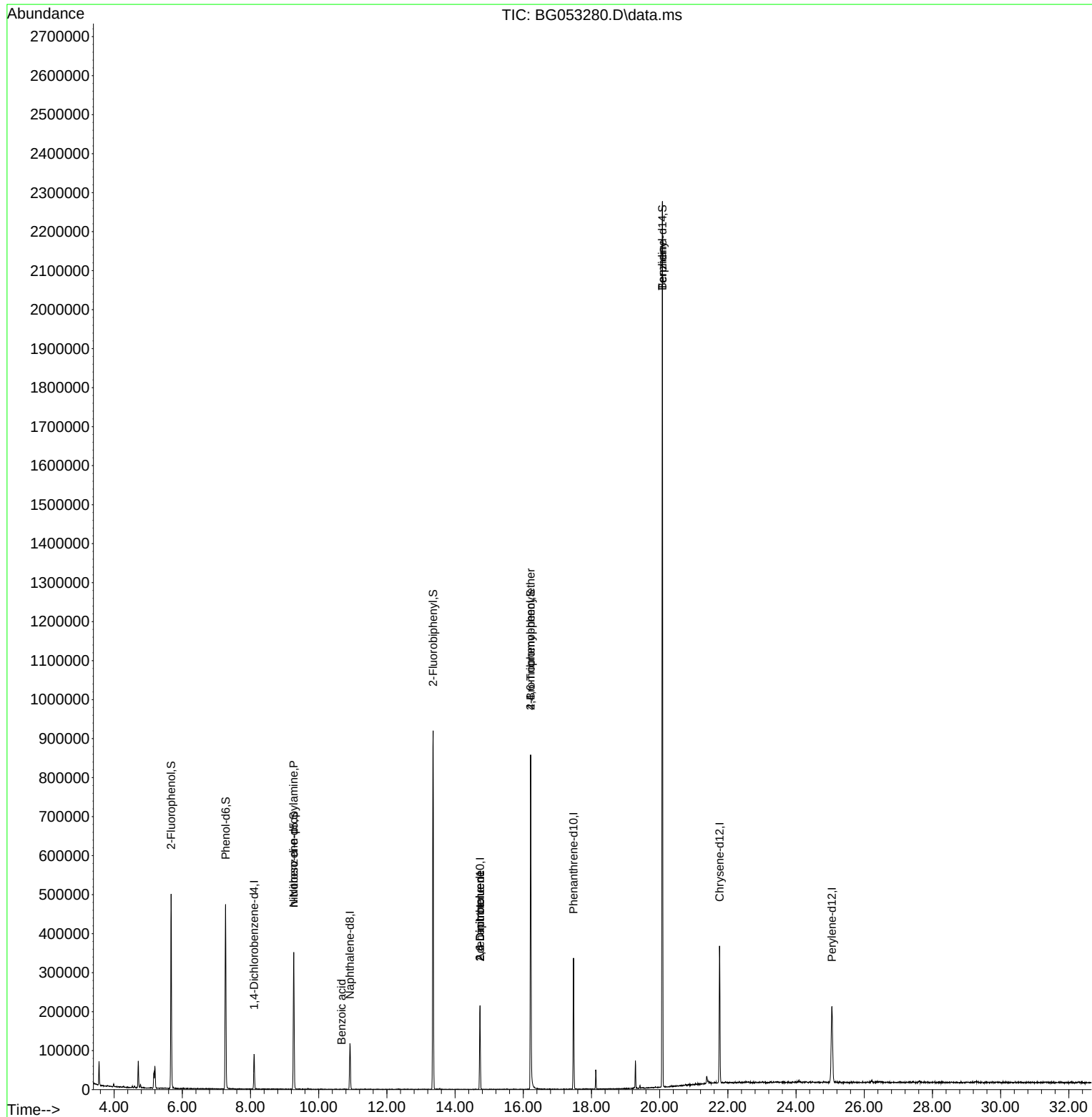
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.105  | 152  | 25440    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.919 | 136  | 99172    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.732 | 164  | 78531    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.475 | 188  | 216207   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.757 | 240  | 230784   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.053 | 264  | 234214   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.673  | 112  | 202419   | 136.393 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.271  | 99   | 273901   | 119.680 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.268  | 82   | 222594   | 91.135  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.218 | 330  | 183588   | 146.941 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.357 | 172  | 500749   | 87.925  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.083 | 244  | 1185243  | 86.737  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.268  | 70   | 30718    | 18.333  | ng    | # 82     |
| 32) Benzoic acid              | 10.672 | 122  | 61       | 3.690   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.732 | 165  | 9792     | 7.473   | ng    | # 24     |
| 57) 2,4-Dinitrotoluene        | 14.732 | 165  | 9792     | 5.249   | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 16.218 | 248  | 11569    | 4.176   | ng    | # 1      |
| 77) Benzidine                 | 20.083 | 184  | 20940    | 3.180   | ng    | # 88     |
| -----                         |        |      |          |         |       |          |

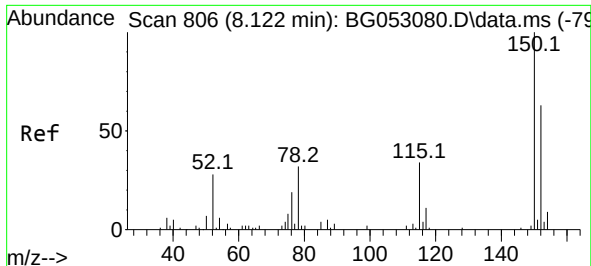
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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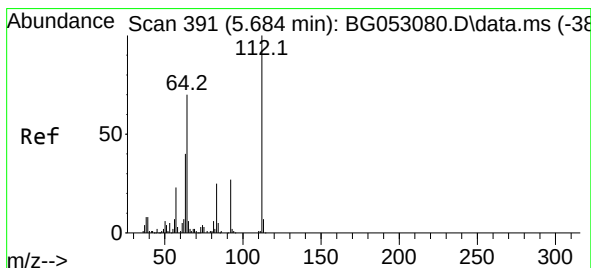
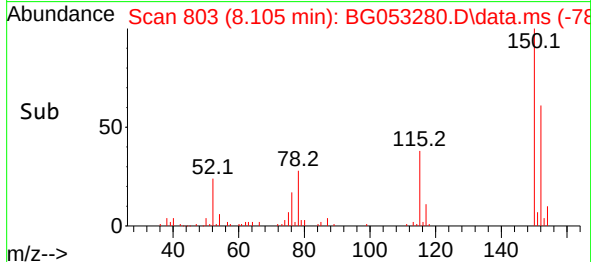
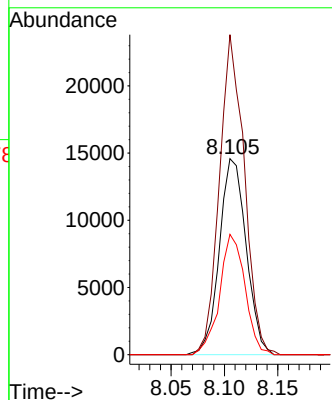
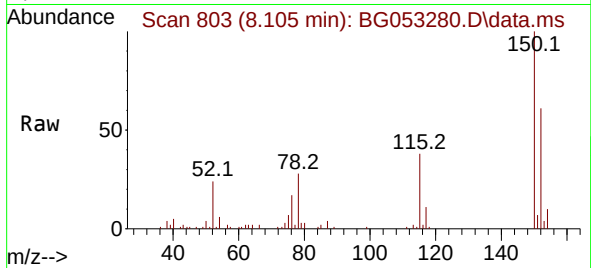




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.105 min Scan# 806  
Delta R.T. -0.008 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

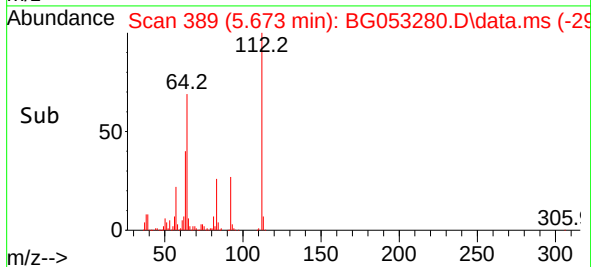
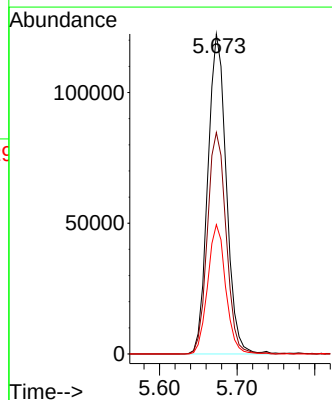
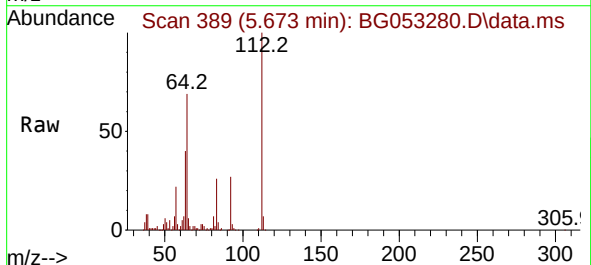
Instrument :  
BNA\_G  
ClientSampleId :  
MH-5D

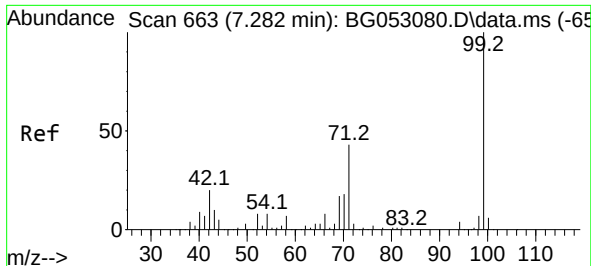
Tgt Ion:152 Resp: 25440  
Ion Ratio Lower Upper  
152 100  
150 163.3 114.6 172.0  
115 61.4 45.9 68.9



#5  
2-Fluorophenol  
Concen: 136.393 ng  
RT: 5.673 min Scan# 389  
Delta R.T. -0.002 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

Tgt Ion:112 Resp: 202419  
Ion Ratio Lower Upper  
112 100  
64 69.2 48.0 72.0  
63 40.4 26.5 39.7#

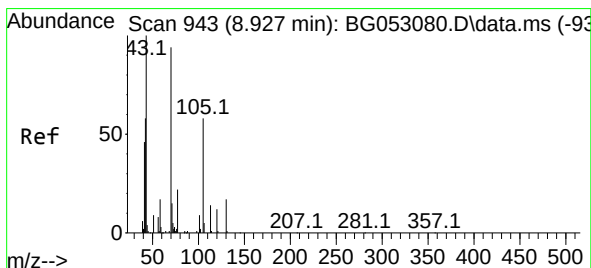
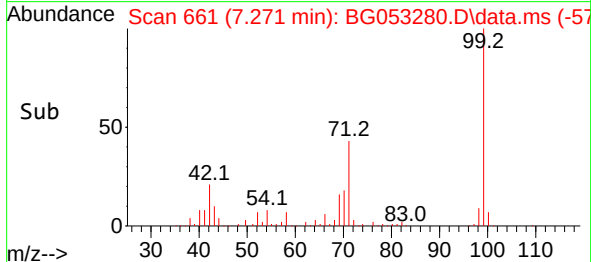
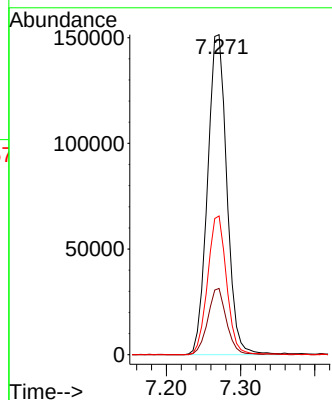
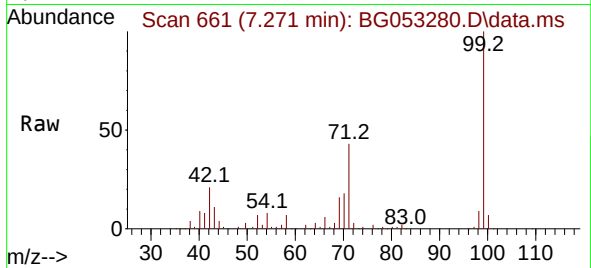




#7  
Phenol-d6  
Concen: 119.680 ng  
RT: 7.271 min Scan# 60  
Delta R.T. -0.002 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

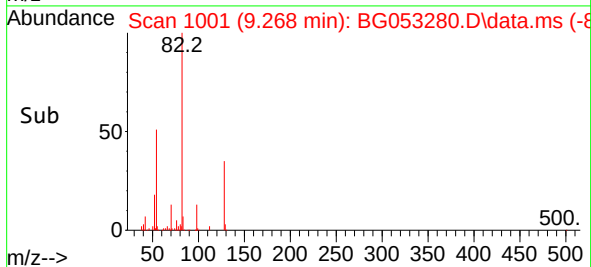
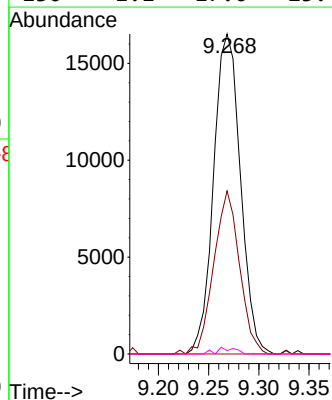
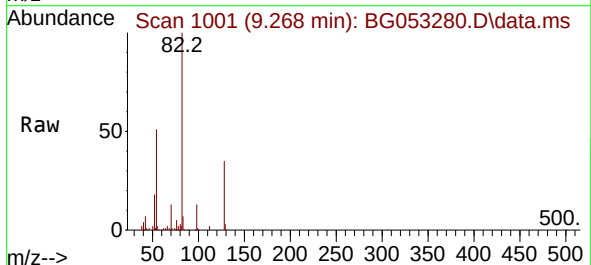
Instrument :  
BNA\_G  
ClientSampleId :  
MH-5D

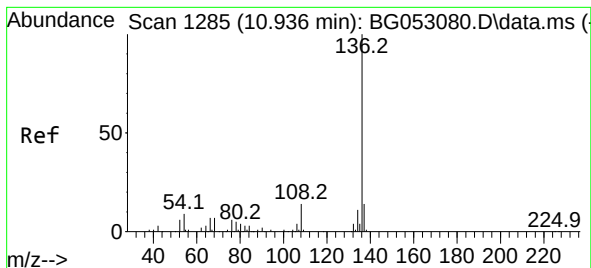
Tgt Ion: 99 Resp: 273901  
Ion Ratio Lower Upper  
99 100  
42 20.7 14.7 22.1  
71 43.3 29.2 43.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.333 ng  
RT: 9.268 min Scan# 1001  
Delta R.T. 0.356 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

Tgt Ion: 70 Resp: 30718  
Ion Ratio Lower Upper  
70 100  
42 50.9 46.0 69.0  
101 0.0 6.2 9.4#  
130 1.1 17.0 25.4#

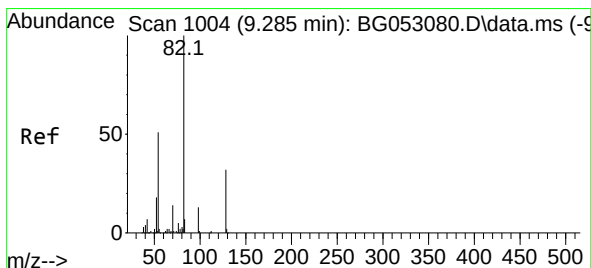
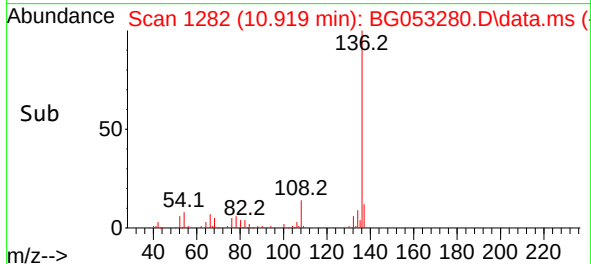
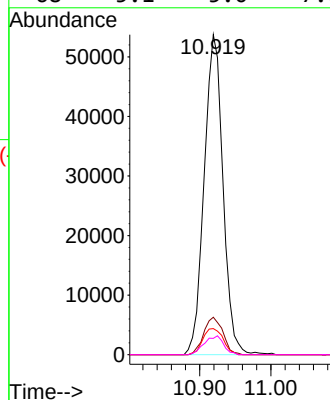
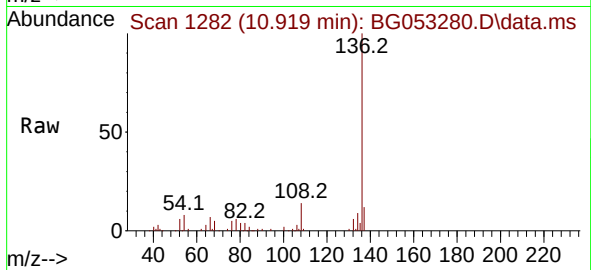




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.919 min Scan# 1282  
Delta R.T. -0.002 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

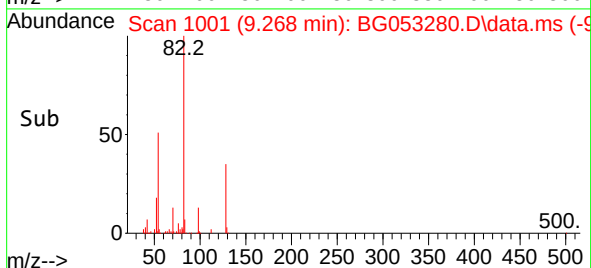
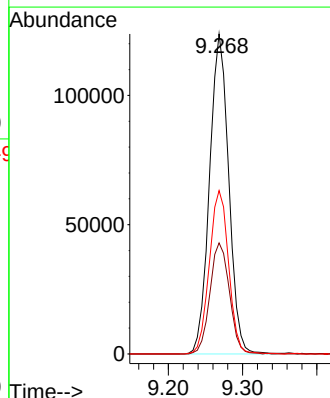
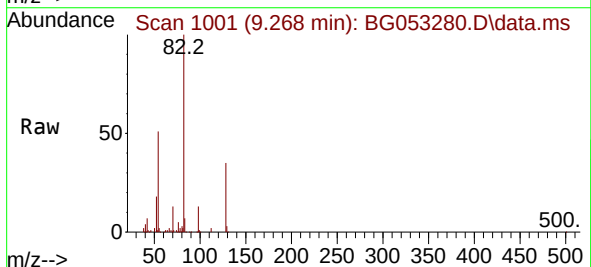
Instrument :  
BNA\_G  
ClientSampleId :  
MH-5D

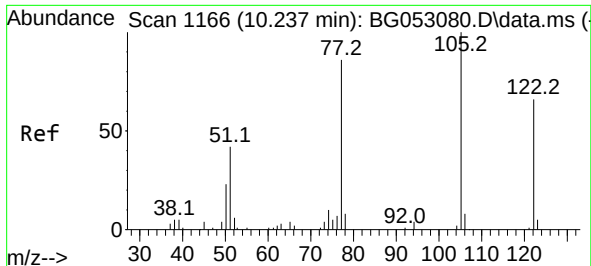
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 99172    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.7  | 9.4 14.2 |
| 54          | 8.2   | 6.4 9.6  |
| 68          | 5.1   | 5.0 7.6  |



#23  
Nitrobenzene-d5  
Concen: 91.135 ng  
RT: 9.268 min Scan# 1001  
Delta R.T. -0.008 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 222594    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 34.7  | 31.3 46.9 |
| 54          | 51.1  | 37.8 56.8 |

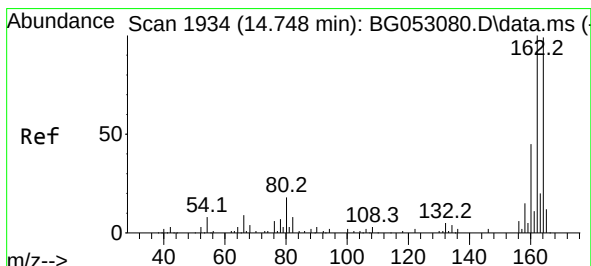
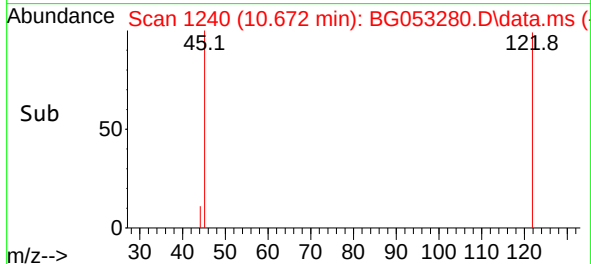
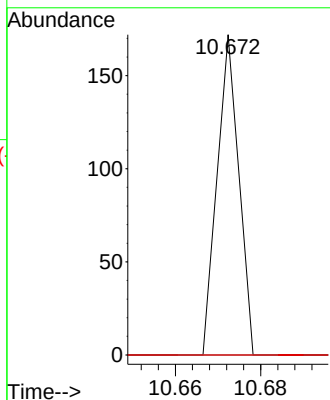
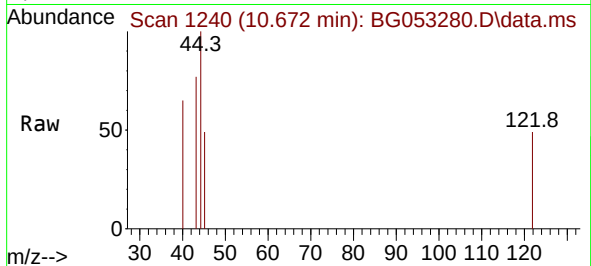




#32  
Benzoic acid  
Concen: 3.690 ng  
RT: 10.672 min Scan# 1166  
Delta R.T. 0.438 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

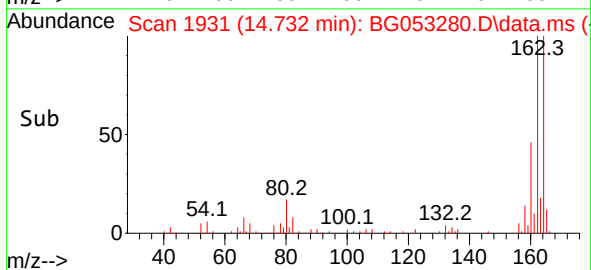
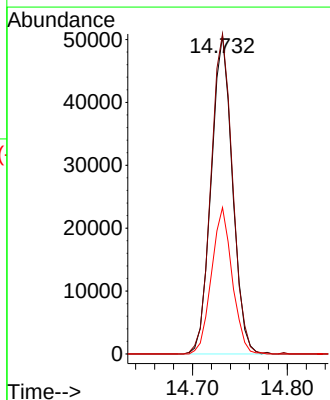
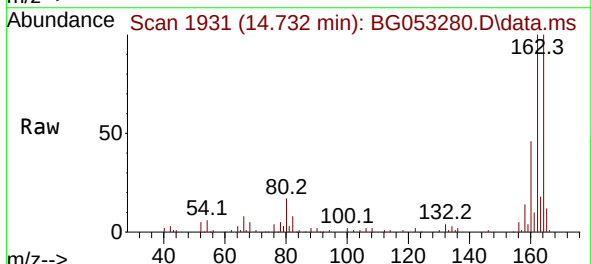
Instrument :  
BNA\_G  
ClientSampleId :  
MH-5D

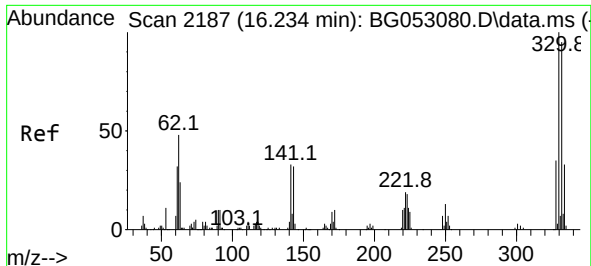
Tgt Ion:122 Resp: 61  
Ion Ratio Lower Upper  
122 100  
105 0.0 112.8 152.8#  
77 0.0 78.4 118.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.732 min Scan# 1931  
Delta R.T. -0.002 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

Tgt Ion:164 Resp: 78531  
Ion Ratio Lower Upper  
164 100  
162 100.5 80.0 120.0  
160 46.0 38.8 58.2

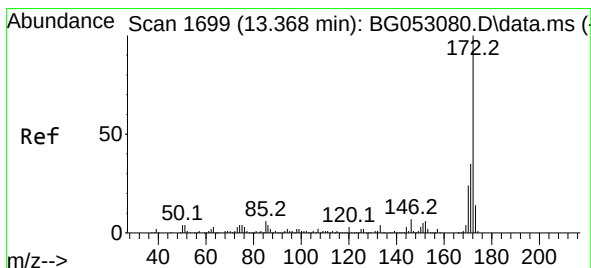
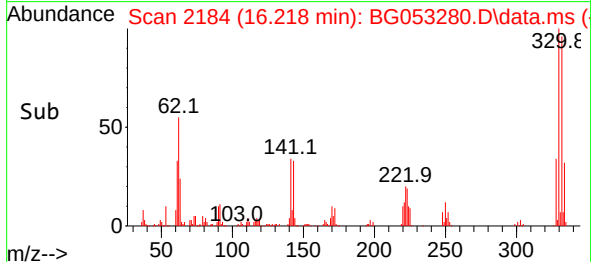
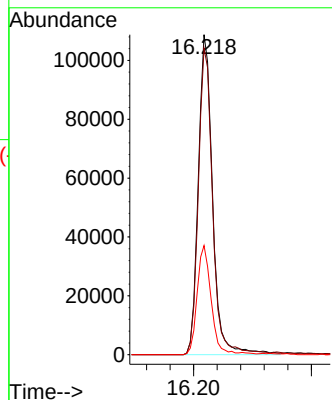
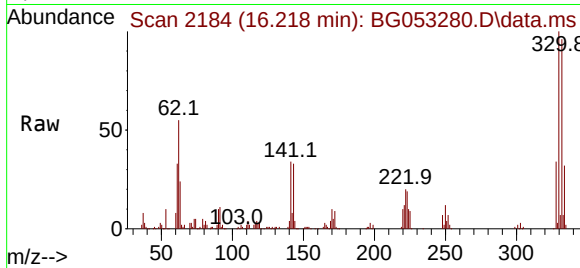




#42  
2,4,6-Tribromophenol  
Concen: 146.941 ng  
RT: 16.218 min Scan# 2187  
Delta R.T. -0.008 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

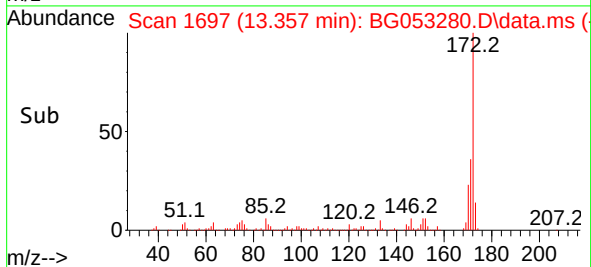
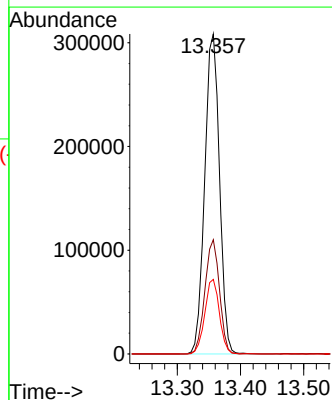
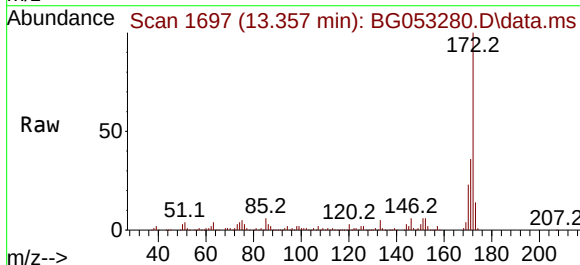
Instrument :  
BNA\_G  
ClientSampleId :  
MH-5D

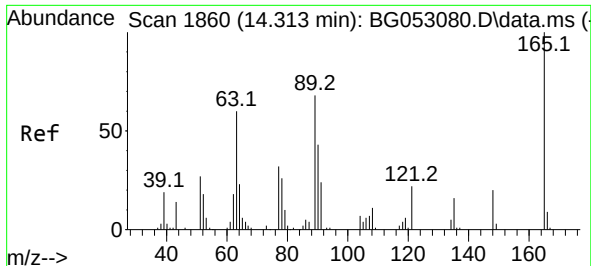
Tgt Ion:330 Resp: 183588  
Ion Ratio Lower Upper  
330 100  
332 95.4 75.8 113.6  
141 33.0 24.6 36.8



#45  
2-Fluorobiphenyl  
Concen: 87.925 ng  
RT: 13.357 min Scan# 1697  
Delta R.T. -0.002 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

Tgt Ion:172 Resp: 500749  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.3 42.5  
170 23.3 18.0 27.0

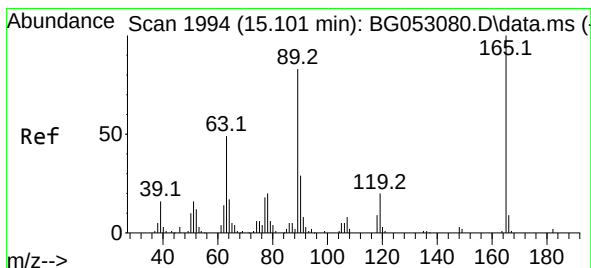
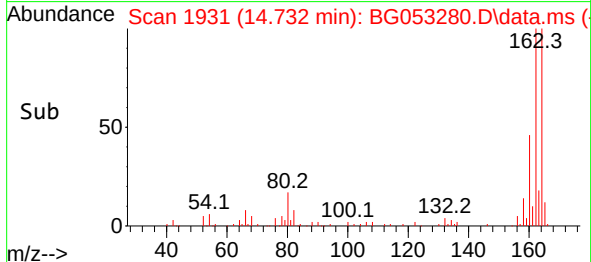
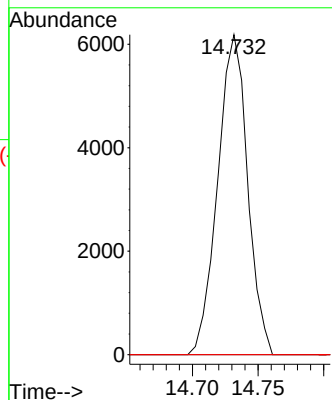
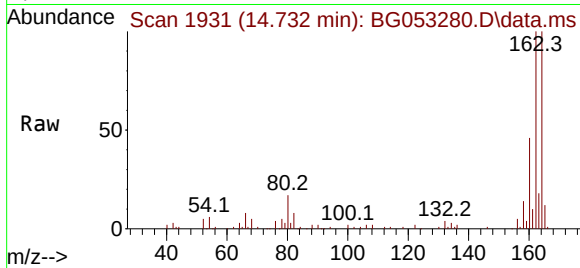




#51  
2,6-Dinitrotoluene  
Concen: 7.473 ng  
RT: 14.732 min Scan# 1931  
Delta R.T. 0.426 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

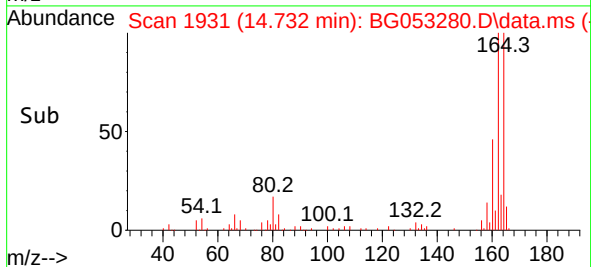
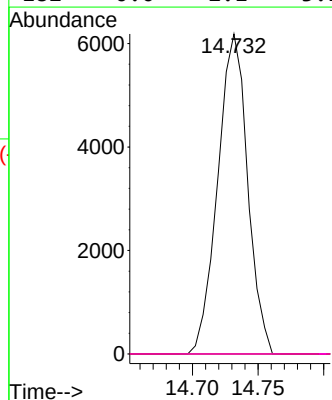
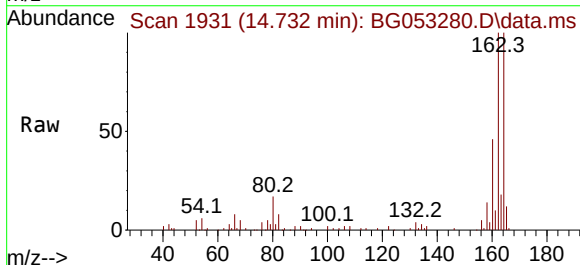
Instrument :  
BNA\_G  
ClientSampleId :  
MH-5D

Tgt Ion:165 Resp: 9792  
Ion Ratio Lower Upper  
165 100  
63 0.0 43.7 65.5#  
89 0.0 45.0 67.4#

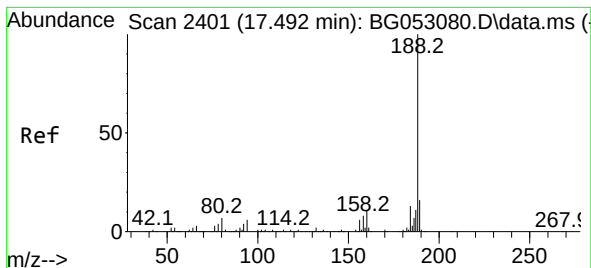


#57  
2,4-Dinitrotoluene  
Concen: 5.249 ng  
RT: 14.732 min Scan# 1931  
Delta R.T. -0.361 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

Tgt Ion:165 Resp: 9792  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.8 52.2#  
89 0.0 57.4 86.0#  
182 0.0 2.1 3.1#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.475 min Scan# 2184

Delta R.T. -0.008 min

Lab File: BG053280.D

Acq: 23 Apr 2022 3:21

Instrument :

BNA\_G

ClientSampleId :

MH-5D

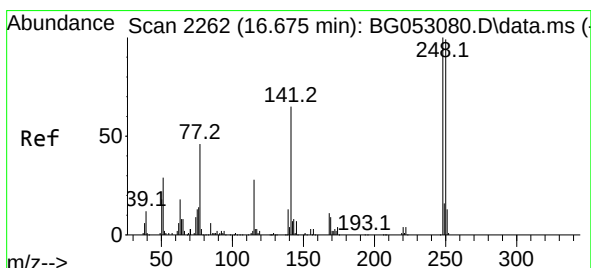
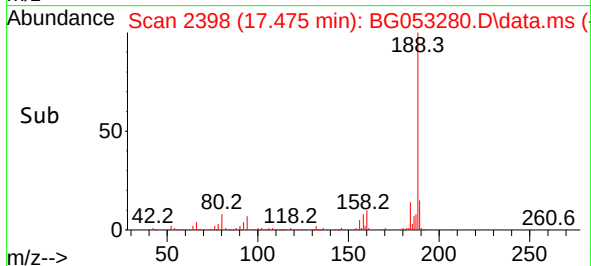
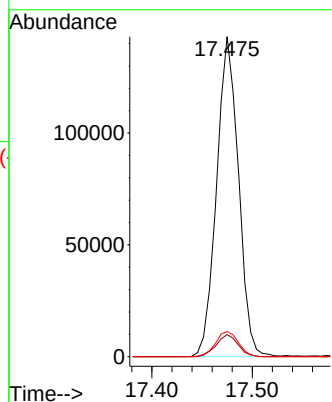
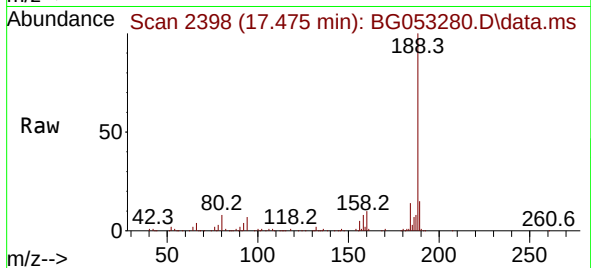
Tgt Ion:188 Resp: 216207

Ion Ratio Lower Upper

188 100

94 6.9 5.7 8.5

80 7.9 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.176 ng

RT: 16.218 min Scan# 2184

Delta R.T. -0.443 min

Lab File: BG053280.D

Acq: 23 Apr 2022 3:21

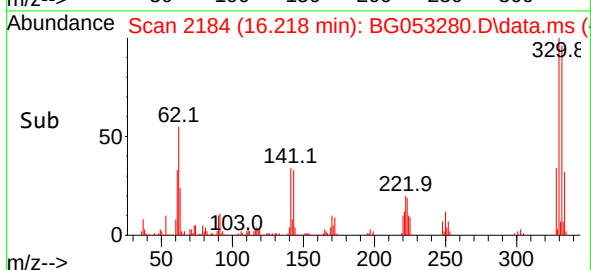
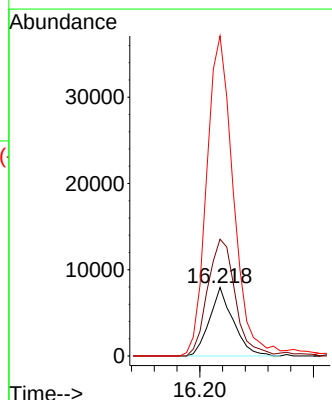
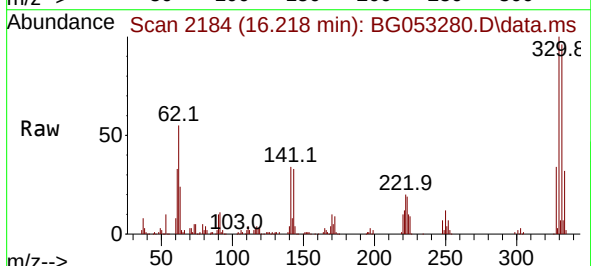
Tgt Ion:248 Resp: 11569

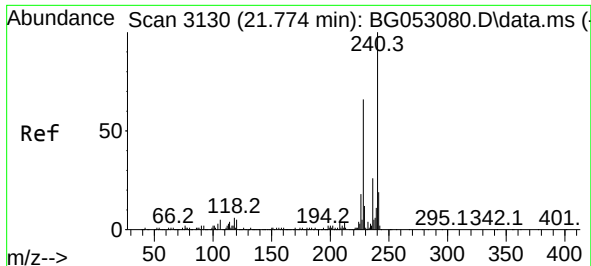
Ion Ratio Lower Upper

248 100

250 170.5 77.9 116.9#

141 466.9 49.2 73.8#

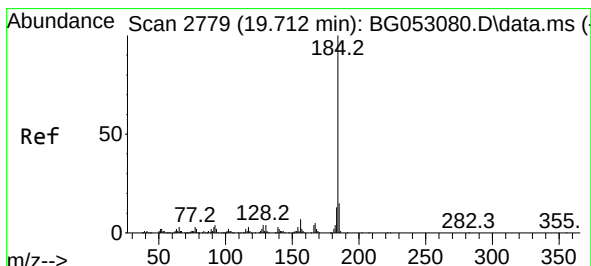
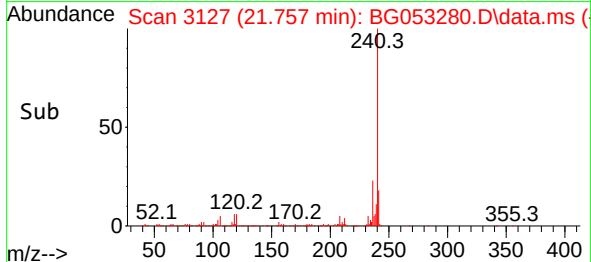
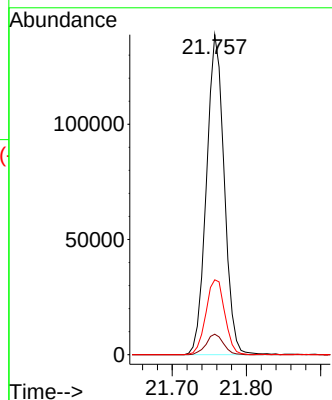
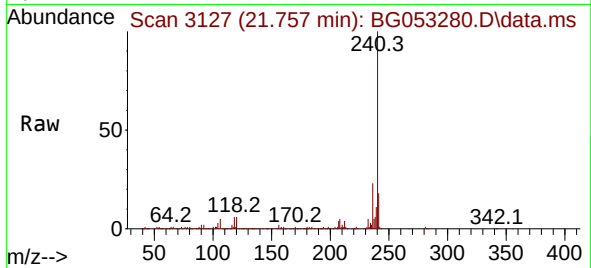




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.757 min Scan# 31  
Delta R.T. -0.008 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

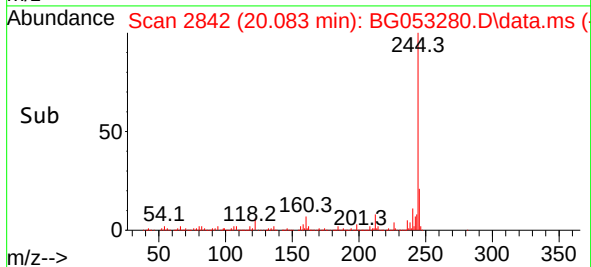
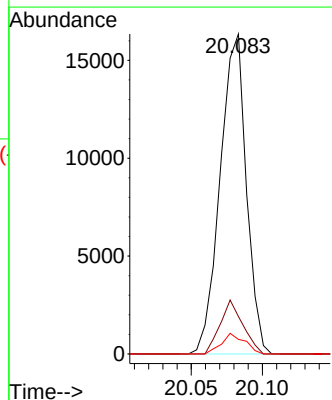
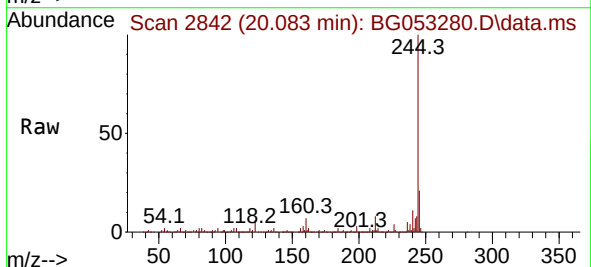
Instrument :  
BNA\_G  
ClientSampleId :  
MH-5D

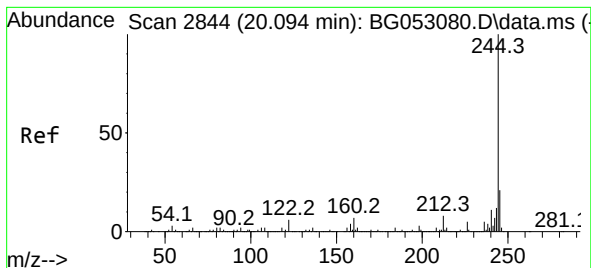
Tgt Ion:240 Resp: 230784  
Ion Ratio Lower Upper  
240 100  
120 6.4 5.4 8.0  
236 23.4 19.8 29.6



#77  
Benzidine  
Concen: 3.180 ng  
RT: 20.083 min Scan# 2842  
Delta R.T. 0.379 min  
Lab File: BG053280.D  
Acq: 23 Apr 2022 3:21

Tgt Ion:184 Resp: 20940  
Ion Ratio Lower Upper  
184 100  
185 11.7 11.5 17.3  
183 4.6 9.4 14.2#





#79

Terphenyl-d14

Concen: 86.737 ng

RT: 20.083 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG053280.D

Acq: 23 Apr 2022 3:21

Instrument :

BNA\_G

ClientSampleId :

MH-5D

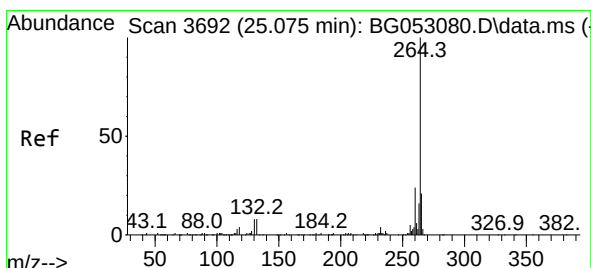
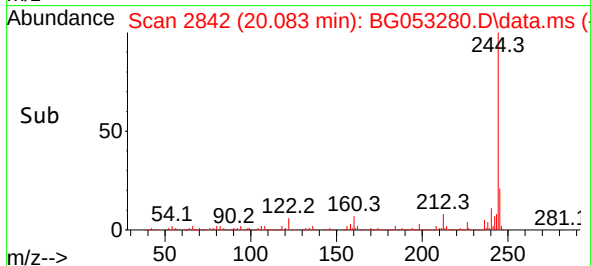
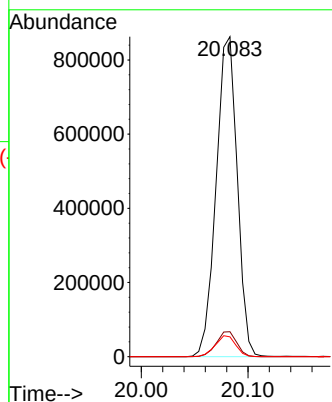
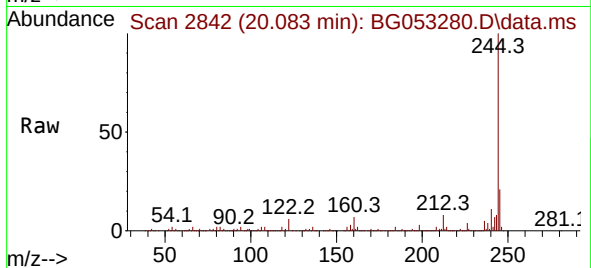
Tgt Ion:244 Resp: 1185243

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.2

122 6.2 5.8 8.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.053 min Scan# 3688

Delta R.T. -0.008 min

Lab File: BG053280.D

Acq: 23 Apr 2022 3:21

Tgt Ion:264 Resp: 234214

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

265 20.8 15.1 22.7

