

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101321\  
 Data File : BG050573.D  
 Acq On : 13 Oct 2021 16:49  
 Operator : CG/JU  
 Sample : M4047-46  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-1

Quant Time: Oct 13 17:56:27 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 06 15:51:01 2021  
 Response via : Initial Calibration

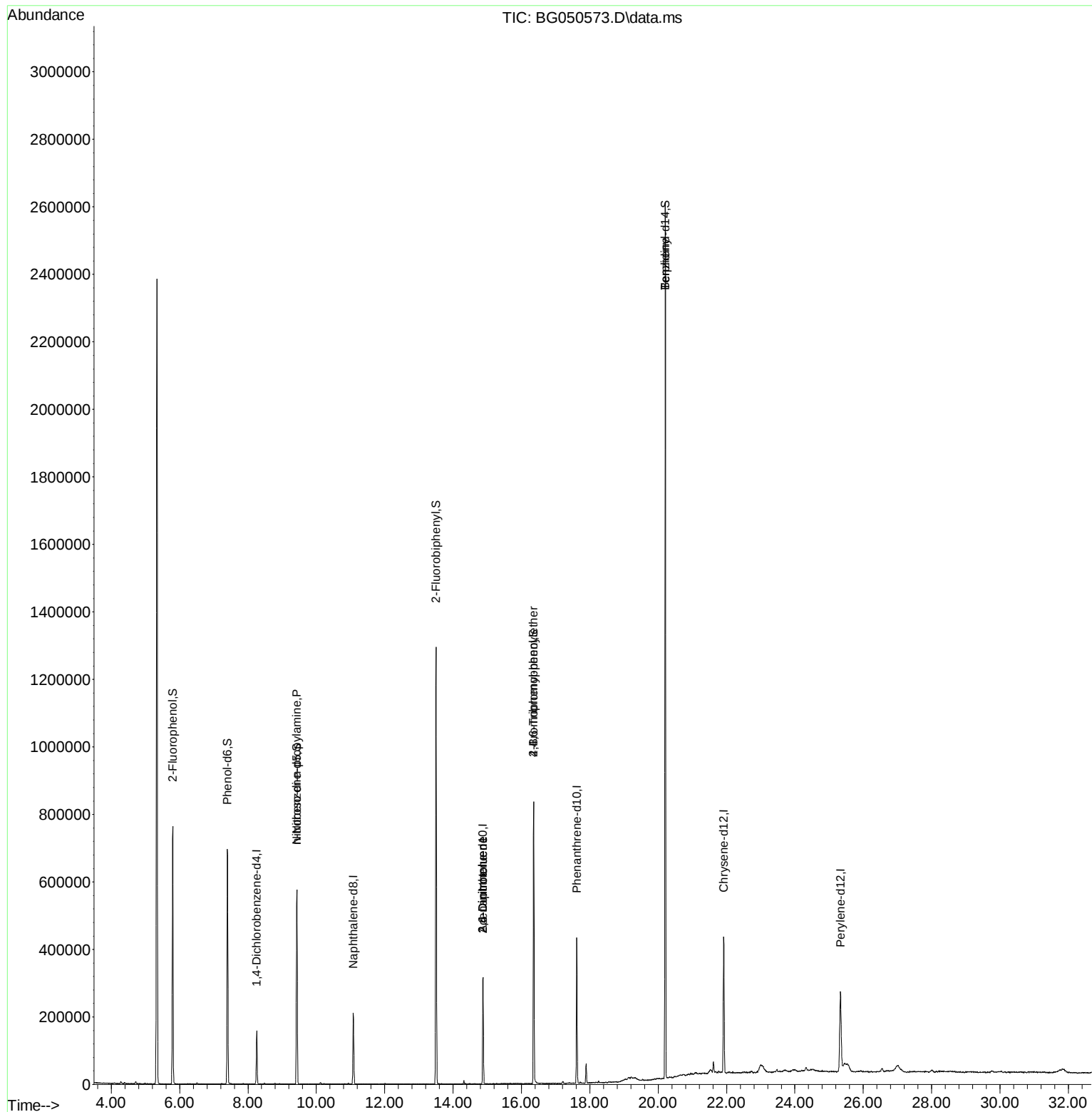
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.255  | 152  | 42497    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.081 | 136  | 171427   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.877 | 164  | 112033   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.621 | 188  | 264089   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.916 | 240  | 245520   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 25.335 | 264  | 240527   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.799  | 112  | 310555   | 109.289   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.398  | 99   | 391139   | 95.072    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.430  | 82   | 365830   | 88.340    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.358 | 330  | 121317   | 113.529   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.502 | 172  | 639141   | 85.861    | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.206 | 244  | 1132972  | 89.930    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.398  | 77   | 887      | Below Cal | #     | 10       |
| 19) n-Nitroso-di-n-propyla... | 9.430  | 70   | 51185    | 17.069    | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 14.877 | 165  | 14398    | 8.489     | ng    | # 10     |
| 57) 2,4-Dinitrotoluene        | 14.877 | 165  | 14398    | 6.022     | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 16.358 | 248  | 10052    | 3.777     | ng    | # 1      |
| 77) Benzidine                 | 20.206 | 184  | 22648    | 2.846     | ng    | # 91     |
| -----                         |        |      |          |           |       |          |

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

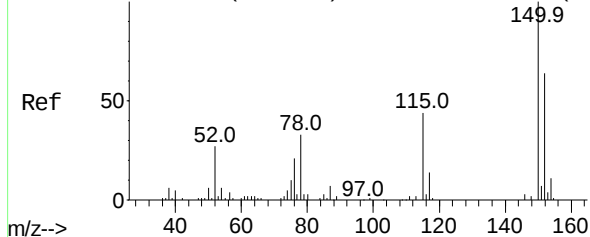
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101321\  
Data File : BG050573.D  
Acq On : 13 Oct 2021 16:49  
Operator : CG/JU  
Sample : M4047-46  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-1

Quant Time: Oct 13 17:56:27 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 06 15:51:01 2021  
Response via : Initial Calibration



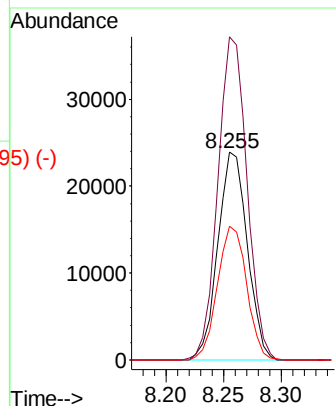
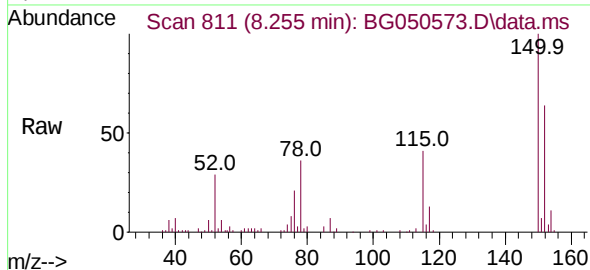
Abundance Scan 813 (8.264 min): BG050465.D\data.ms (-805) #1



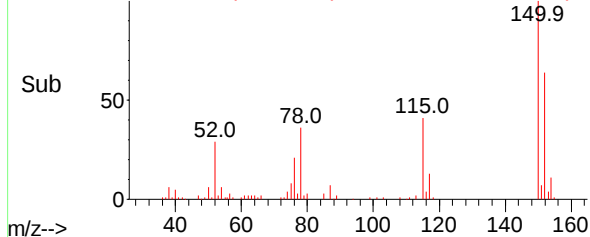
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.255 min Scan# 811  
Delta R.T. -0.009 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

Instrument :  
BNA\_G  
ClientSampleId :  
MW-1

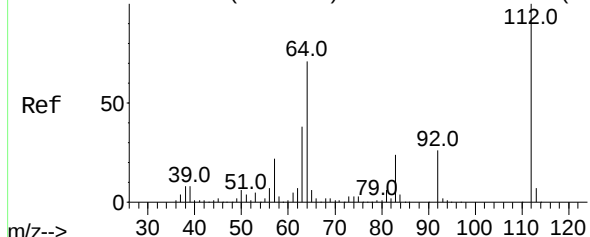
Tgt Ion:152 Resp: 42497  
Ion Ratio Lower Upper  
152 100  
150 155.6 119.4 179.0  
115 64.5 60.2 90.4



Abundance Scan 811 (8.255 min): BG050573.D\data.ms (-795) (-)

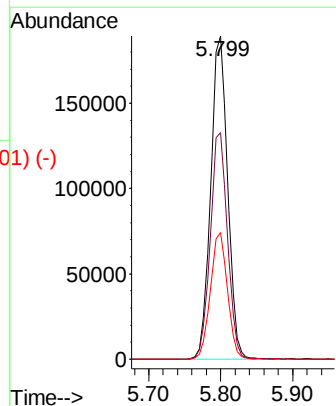
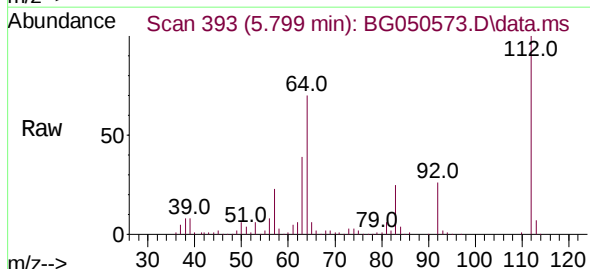


Abundance Scan 392 (5.790 min): BG050465.D\data.ms (-384) #5

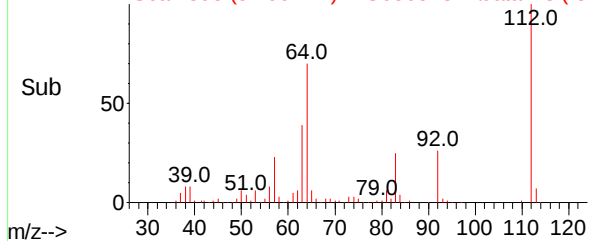


2-Fluorophenol  
Concen: 109.289 ng  
RT: 5.799 min Scan# 393  
Delta R.T. 0.009 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

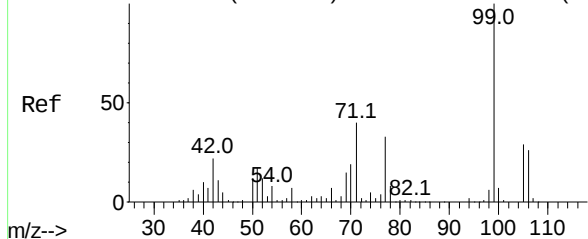
Tgt Ion:112 Resp: 310555  
Ion Ratio Lower Upper  
112 100  
64 70.0 46.7 70.1  
63 39.2 35.3 52.9



Abundance Scan 393 (5.799 min): BG050573.D\data.ms (-301) (-)



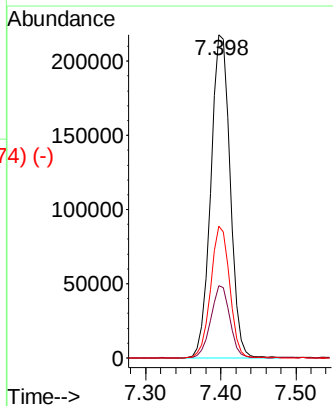
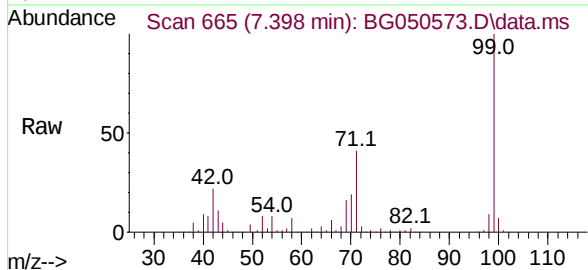
Abundance Scan 665 (7.394 min): BG050465.D\data.ms (-656)#7



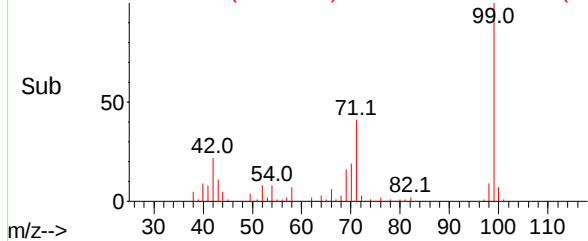
Phenol-d6  
Concen: 95.072 ng  
RT: 7.398 min Scan# 665  
Delta R.T. 0.004 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

Instrument :  
BNA\_G  
ClientSampleId :  
MW-1

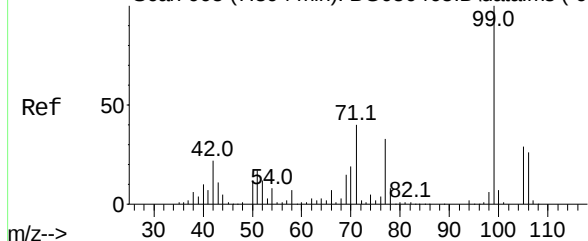
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 391139 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 22.4  | 20.5  | 30.7   |
| 71       | 40.7  | 41.5  | 62.3#  |



Abundance Scan 665 (7.398 min): BG050573.D\data.ms (-574) (-)

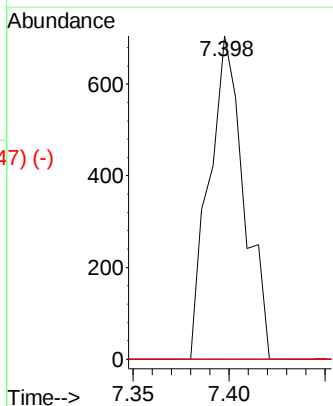
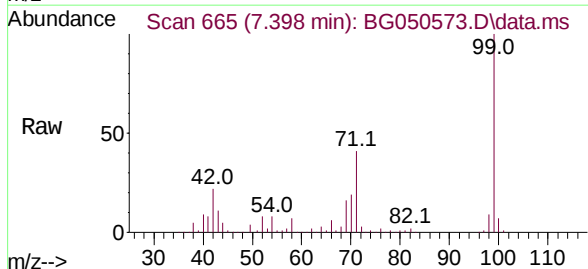


Abundance Scan 665 (7.394 min): BG050465.D\data.ms (-656)#9

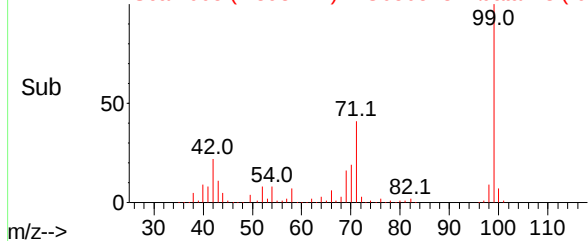


Benzaldehyde  
Concen: Below Cal  
RT: 7.398 min Scan# 665  
Delta R.T. 0.004 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 887    |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 0.0   | 68.8  | 108.8# |
| 106      | 0.0   | 47.9  | 87.9#  |



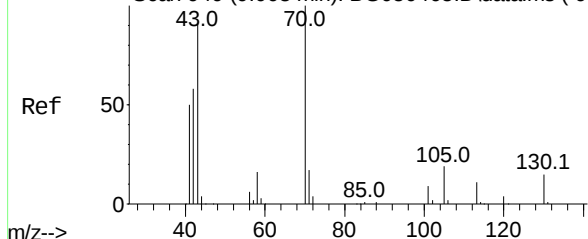
Abundance Scan 665 (7.398 min): BG050573.D\data.ms (-647) (-)



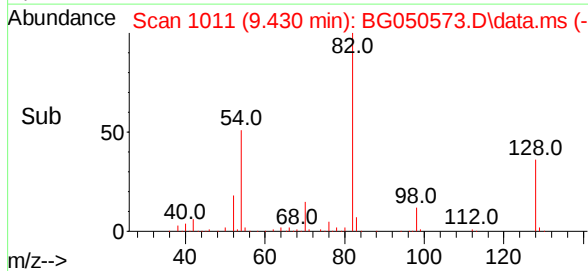
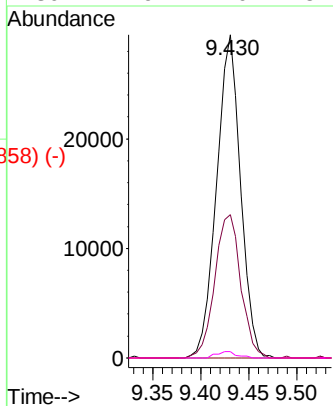
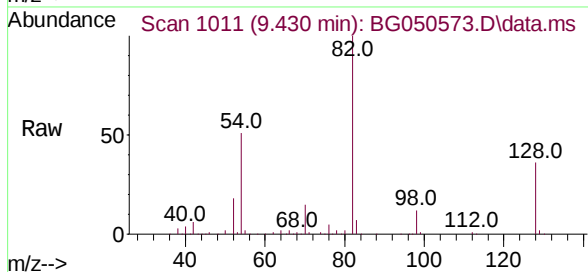
Abundance Scan 949 (9.063 min): BG050465.D\data.ms (-941) #19

n-Nitroso-di-n-propylamine  
Concen: 17.069 ng  
RT: 9.430 min Scan# 1011  
Delta R.T. 0.368 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

Instrument :  
BNA\_G  
ClientSampled :  
MW-1

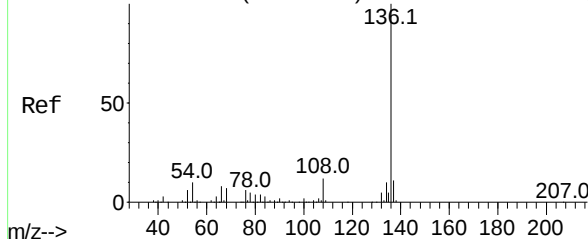


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 44.3  | 54.5  | 81.7# |
| 101     | 0.0   | 9.0   | 13.6# |
| 130     | 1.9   | 17.0  | 25.6# |

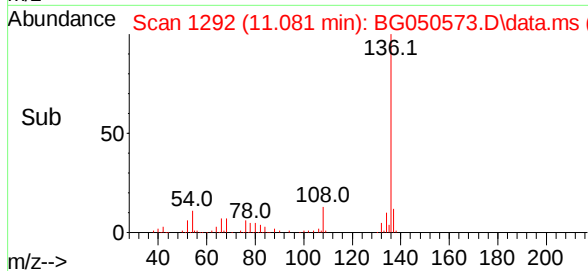
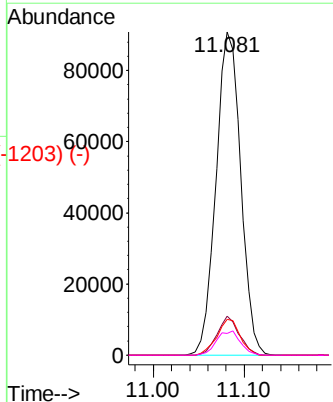
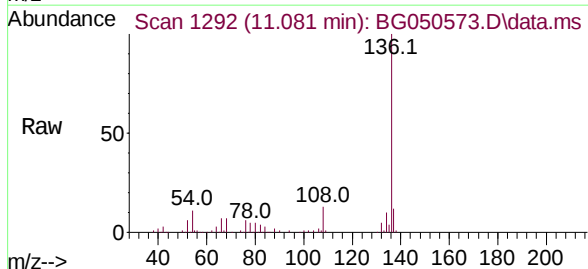


Abundance Scan 1294 (11.090 min): BG050465.D\data.ms (-1284) (-)

Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.081 min Scan# 1292  
Delta R.T. -0.008 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49



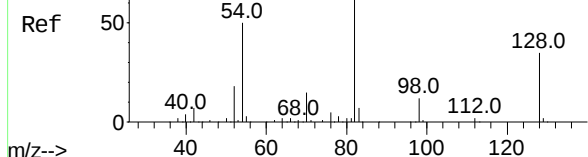
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 12.1  | 8.2   | 12.2  |
| 54      | 11.1  | 5.5   | 8.3#  |
| 68      | 6.8   | 2.3   | 3.5#  |



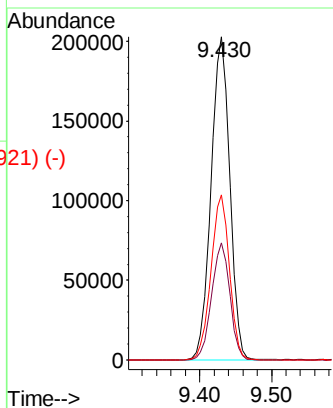
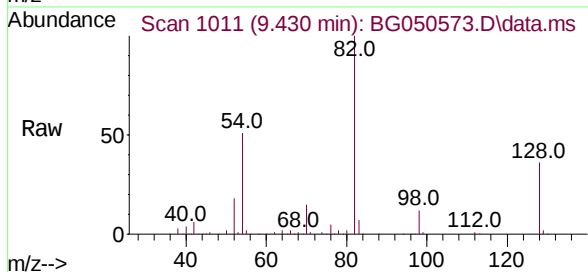
Abundance Scan 1012 (9.433 min): BG050465.D\data.ms (-10623) (-)

Nitrobenzene-d5  
Concen: 88.340 ng  
RT: 9.430 min Scan# 1011  
Delta R.T. -0.002 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

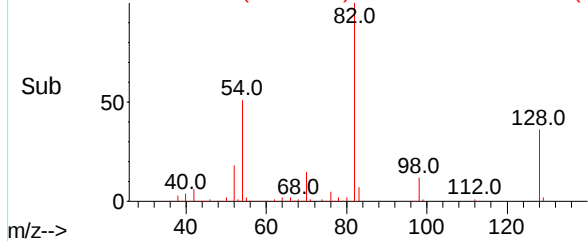
Instrument :  
BNA\_G  
ClientSampleId :  
MW-1



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 365830 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 36.2  | 29.8  | 44.6   |
| 54       | 51.1  | 45.8  | 68.8   |

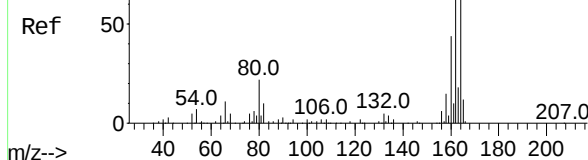


Abundance Scan 1011 (9.430 min): BG050573.D\data.ms (-921) (-)

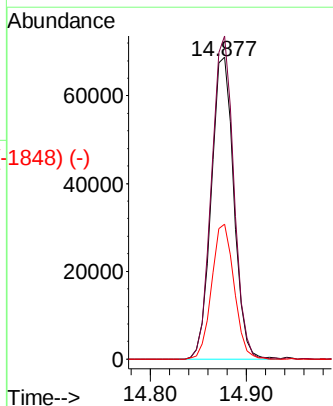
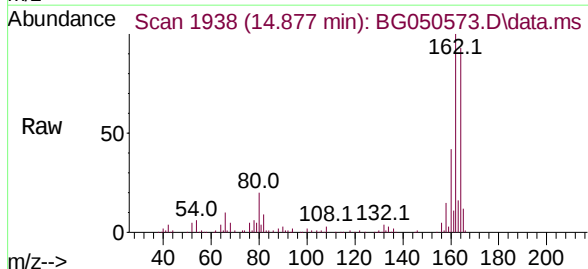


Abundance Scan 1939 (14.879 min): BG050465.D\data.ms (-1939) (-)

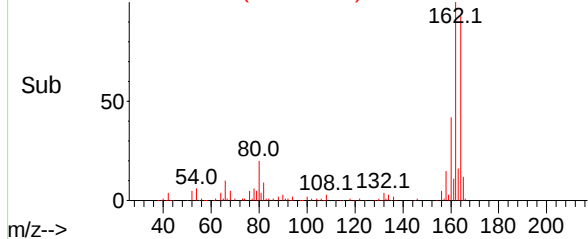
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.877 min Scan# 1938  
Delta R.T. -0.002 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 112033 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 107.1 | 81.4  | 122.0  |
| 160      | 44.7  | 34.9  | 52.3   |



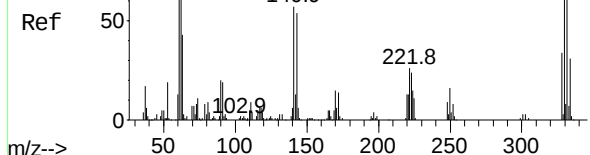
Abundance Scan 1938 (14.877 min): BG050573.D\data.ms (-1848) (-)



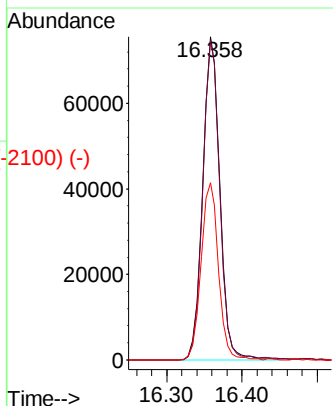
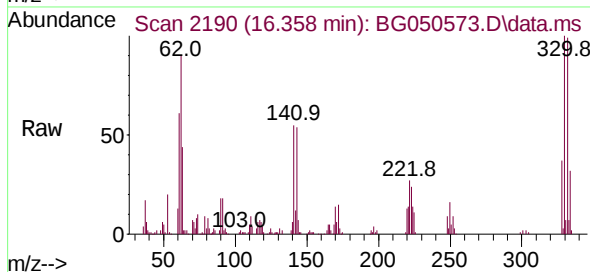
Abundance Scan 2191 (16.360 min): BG050465.D\data.ms (-2191) (-)

2,4,6-Tribromophenol  
Concen: 113.529 ng  
RT: 16.358 min Scan# 2190  
Delta R.T. -0.002 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

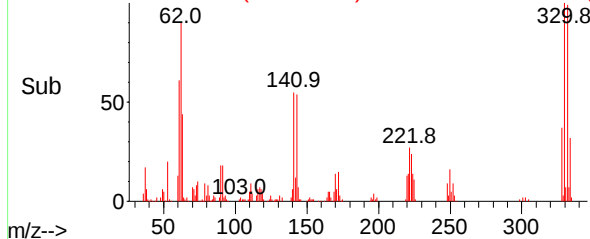
Instrument :  
BNA\_G  
ClientSampleId :  
MW-1



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 121317 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 98.3  | 77.3  | 115.9  |
| 141       | 55.5  | 35.6  | 53.4#  |

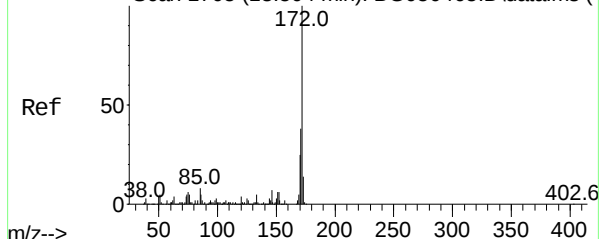


Abundance Scan 2190 (16.358 min): BG050573.D\data.ms (-2100) (-)

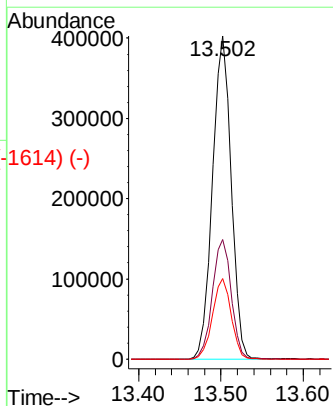
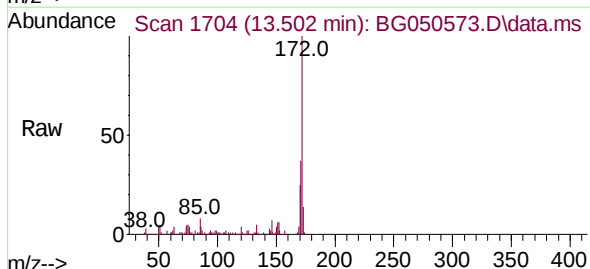


Abundance Scan 1705 (13.504 min): BG050465.D\data.ms (-1695) (-)

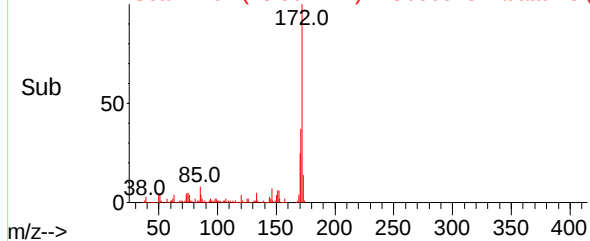
2-Fluorobiphenyl  
Concen: 85.861 ng  
RT: 13.502 min Scan# 1704  
Delta R.T. -0.002 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49



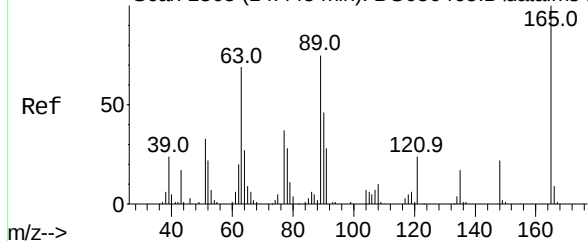
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 639141 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 37.0  | 28.6  | 43.0   |
| 170       | 24.9  | 18.6  | 27.8   |



Abundance Scan 1704 (13.502 min): BG050573.D\data.ms (-1614) (-)



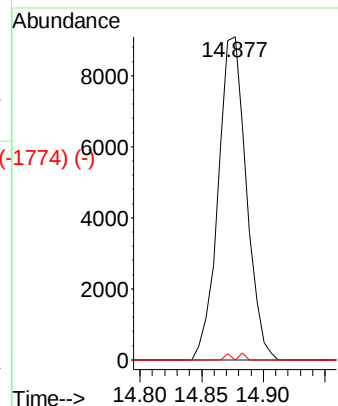
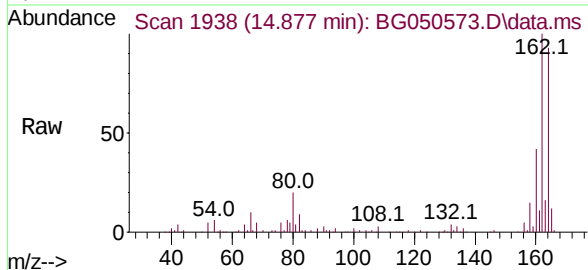
Abundance Scan 1865 (14.445 min): BG050465.D\data.ms (-165) (-)



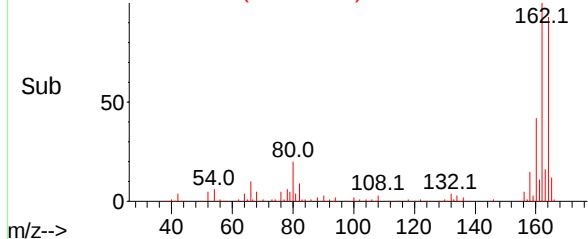
2,6-Dinitrotoluene  
Concen: 8.489 ng  
RT: 14.877 min Scan# 1938  
Delta R.T. 0.432 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

Instrument :  
BNA\_G  
ClientSampled :  
MW-1

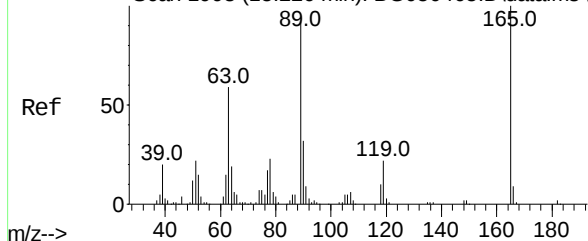
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 63.3  | 94.9# |
| 89      | 0.0   | 63.4  | 95.0# |



Abundance Scan 1938 (14.877 min): BG050573.D\data.ms (-1774) (-)

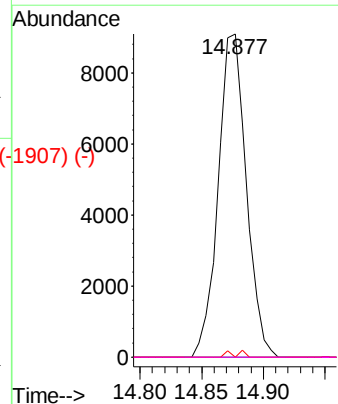
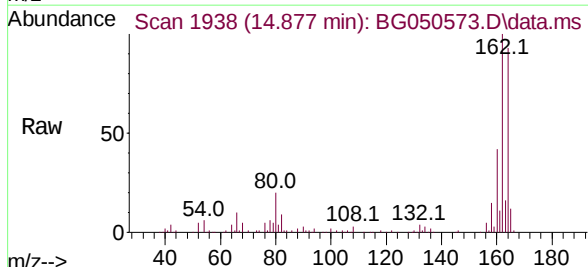


Abundance Scan 1998 (15.226 min): BG050465.D\data.ms (-1950) (-)

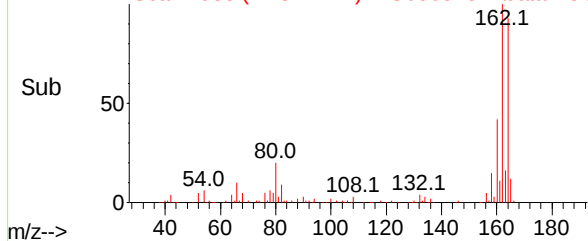


2,4-Dinitrotoluene  
Concen: 6.022 ng  
RT: 14.877 min Scan# 1938  
Delta R.T. -0.349 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 48.0  | 72.0# |
| 89      | 0.0   | 65.4  | 98.0# |
| 182     | 0.0   | 2.0   | 3.0#  |



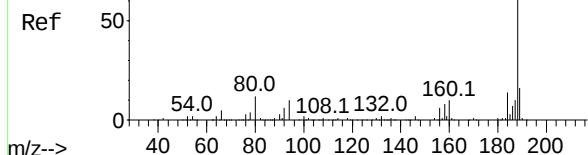
Abundance Scan 1938 (14.877 min): BG050573.D\data.ms (-1907) (-)



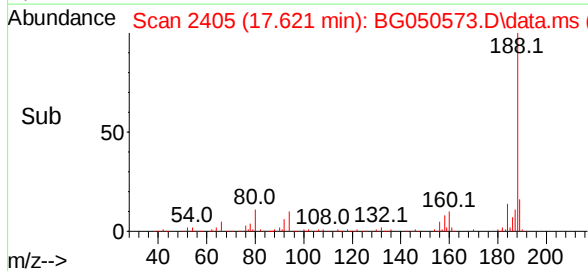
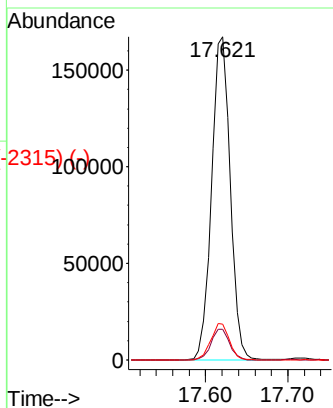
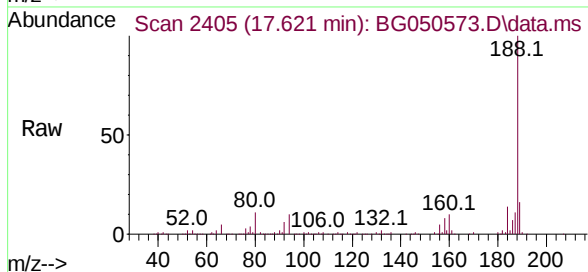
Abundance Scan 2406 (17.623 min): BG050465.D\data.ms (-2364) (-)

Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.621 min Scan# 2405  
Delta R.T. -0.002 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

Instrument :  
BNA\_G  
ClientSampleId :  
MW-1

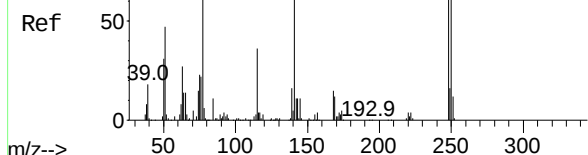


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 264089 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.5   | 5.4   | 8.0#   |
| 80        | 11.1  | 3.7   | 5.5#   |

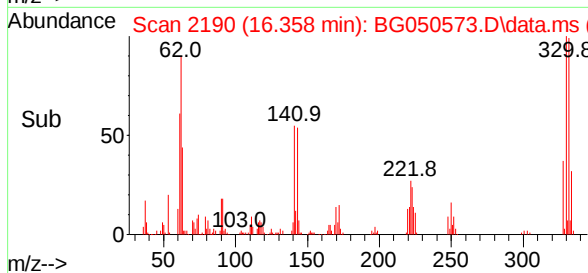
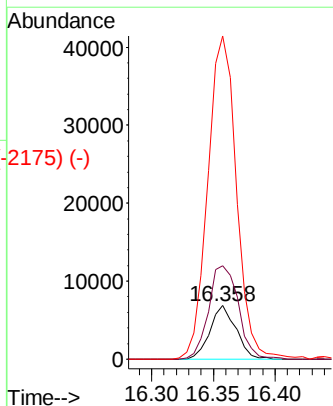
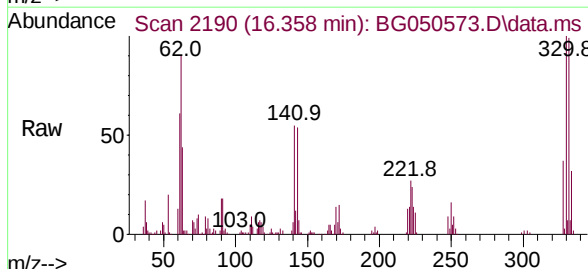


Abundance Scan 2266 (16.801 min): BG050465.D\data.ms (-2367) (-)

4-Bromophenyl-phenylether  
Concen: 3.777 ng  
RT: 16.358 min Scan# 2190  
Delta R.T. -0.443 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49



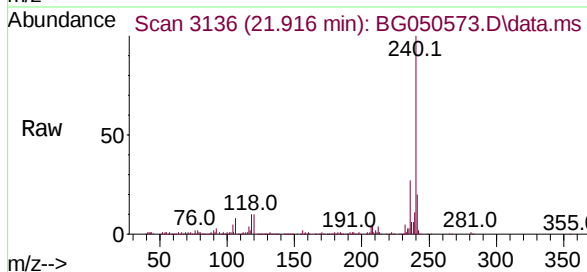
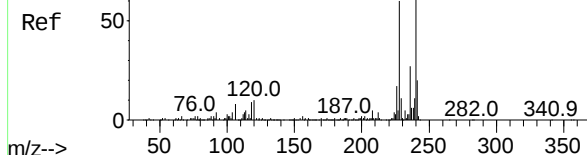
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 10052  |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 175.2 | 76.1  | 114.1# |
| 141       | 605.3 | 65.4  | 98.2#  |



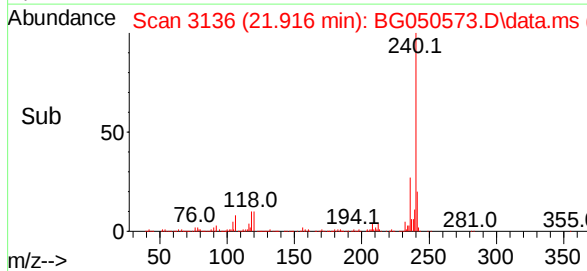
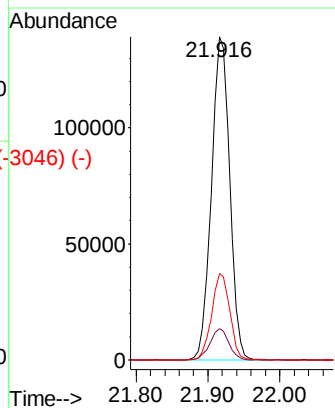
Abundance Scan 3137 (21.918 min): BG050465.D\data.ms (-3179) (-)

Chrysene-d12  
Concen: 20.000 ng  
RT: 21.916 min Scan# 3136  
Delta R.T. -0.002 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49

Instrument :  
BNA\_G  
ClientSampled :  
MW-1

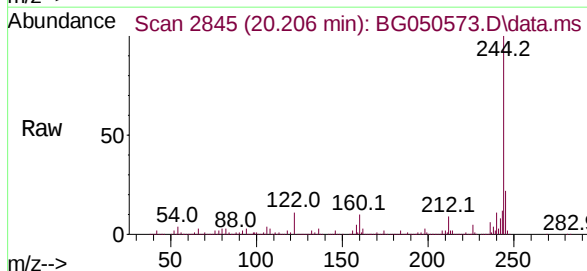
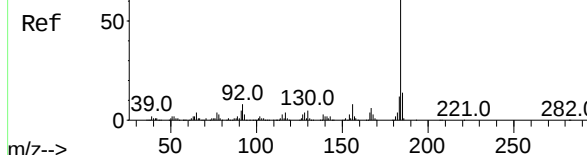


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.8   | 4.2   | 6.2#  |
| 236     | 26.7  | 21.8  | 32.6  |

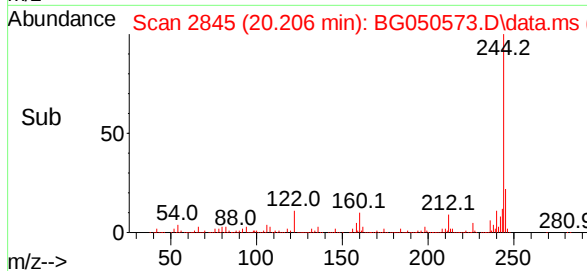
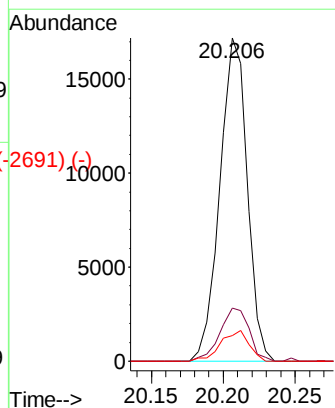


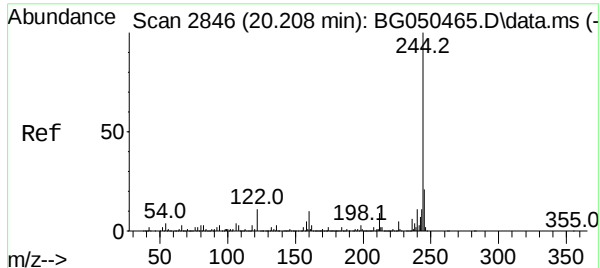
Abundance Scan 2782 (19.832 min): BG050465.D\data.ms (-2775) (-)

Benzidine  
Concen: 2.846 ng  
RT: 20.206 min Scan# 2845  
Delta R.T. 0.374 min  
Lab File: BG050573.D  
Acq: 13 Oct 2021 16:49



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 16.5  | 10.7  | 16.1# |
| 183     | 7.8   | 9.4   | 14.0# |

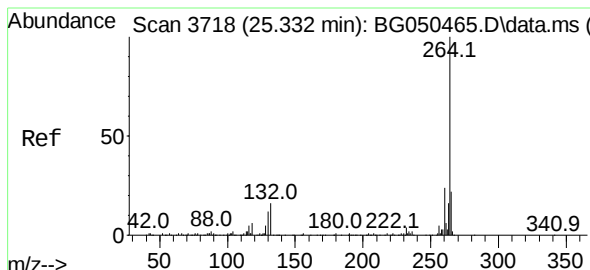
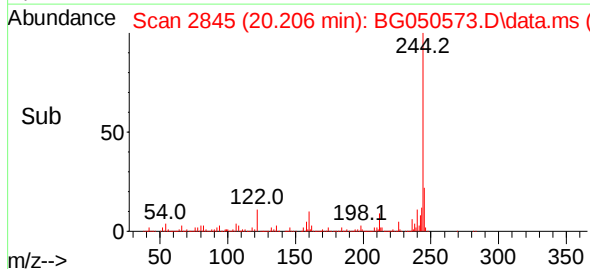
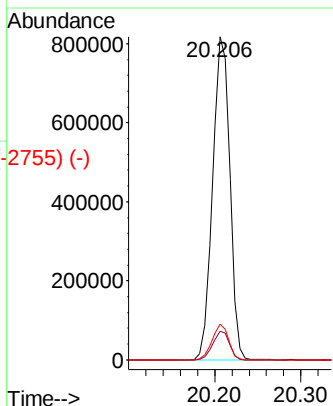
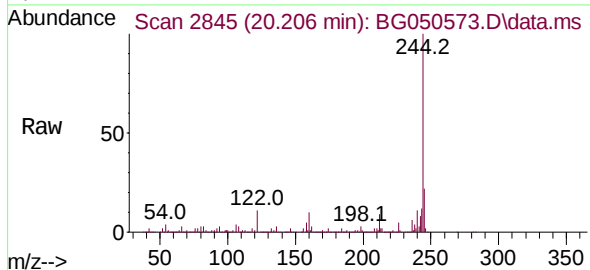




Terphenyl-d14  
 Concen: 89.930 ng  
 RT: 20.206 min Scan# 2845  
 Delta R.T. -0.002 min  
 Lab File: BG050573.D  
 Acq: 13 Oct 2021 16:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-1

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 244   | Resp: | 1132972 |
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 8.9   | 6.9   | 10.3    |
| 122      | 11.1  | 5.0   | 7.6#    |



Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.335 min Scan# 3718  
 Delta R.T. 0.004 min  
 Lab File: BG050573.D  
 Acq: 13 Oct 2021 16:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 240527 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.3  | 19.4  | 29.2   |
| 265      | 20.6  | 16.9  | 25.3   |

