|  | insert | append |
|---|---|---|
| Results for the tinyArray | 53.7 µs | 166 µs |
| Results for the smallArray | 90.5 µs | 163.9 µs |
| Results for the mediumArray | 339 µs | 193.7 µs |
| Results for the largeArray | 13.917 ms | 831.9 µs |
| Results for the extraLargeArray | 1.6186139000000002 s | 5.3083 ms |

The insert function is slightly faster than the append function for the tiny and small arrays, but it becomes significantly slower and slower as the size of the array increases.  Insert quadratic and append is linear.  The insert function does not scale well as the size of the array increases; the append function scales much better as the size of the array increases.  I know that the append function scales better because the timer for the insert function is already using seconds as units while the append function is still using milliseconds.