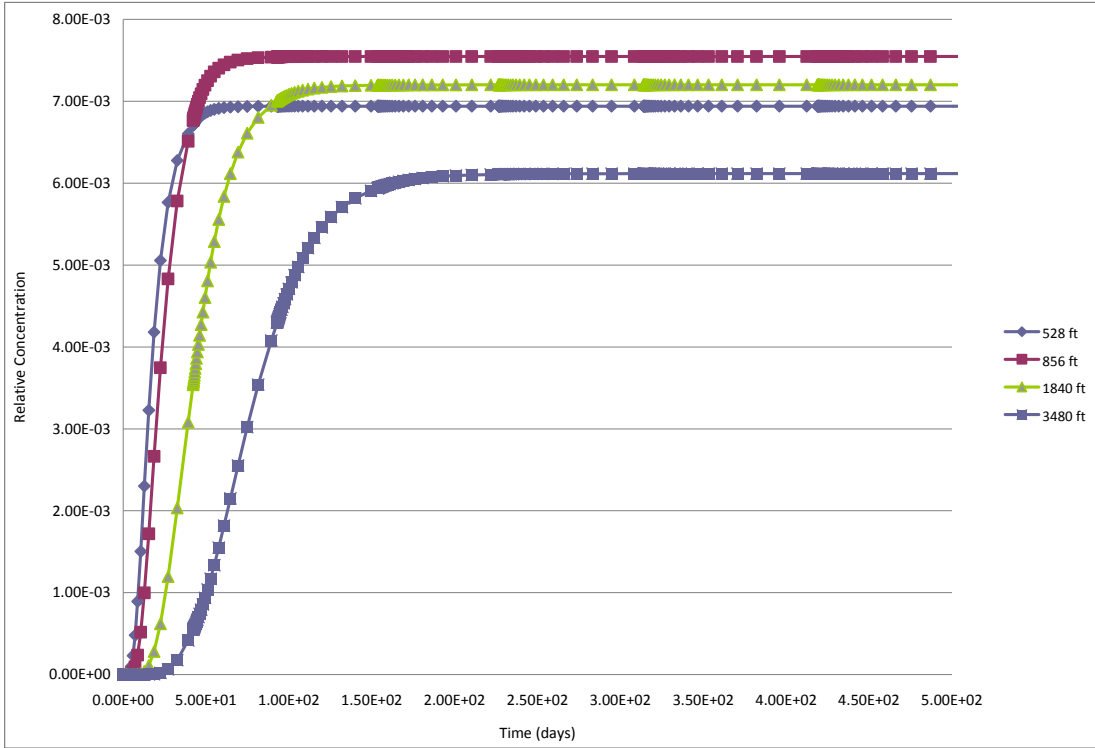
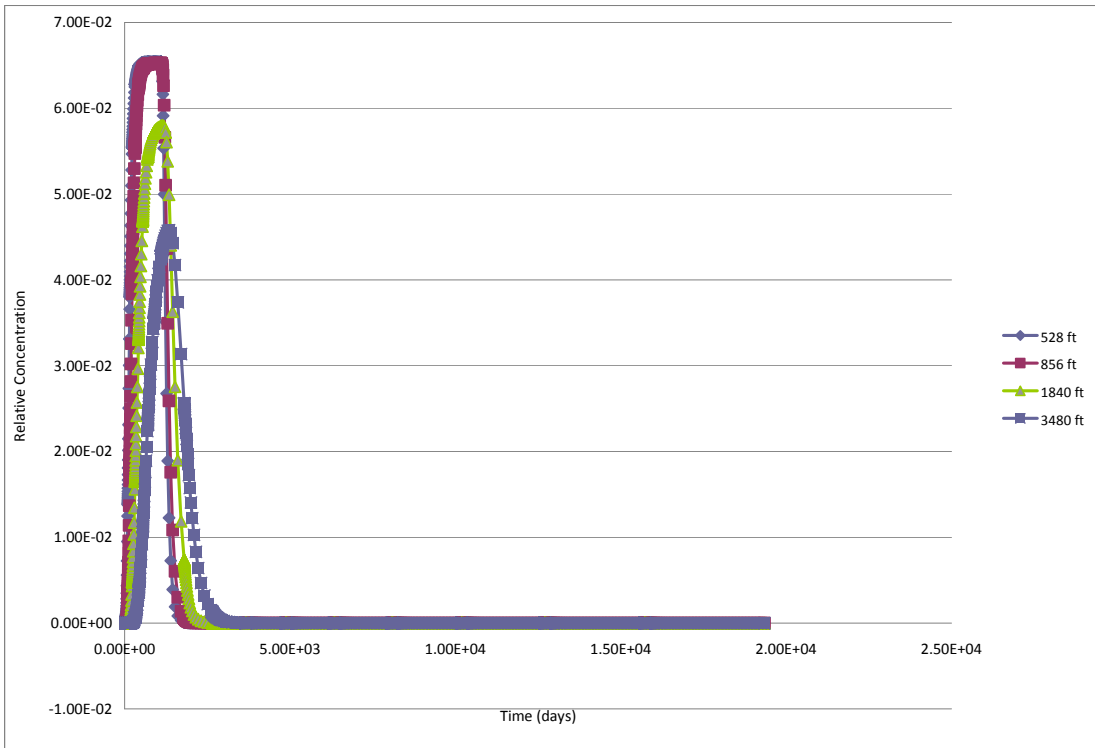


**APPENDIX C: CONCENTRATION BREAKTHROUGH CURVES FOR  
EXCURSION RUNS 1A THROUGH 7G**

See Tables 2-5 through 2-11 for run details.



**Figure C-1: Run 1a**



**Figure C-2: Run 1b**

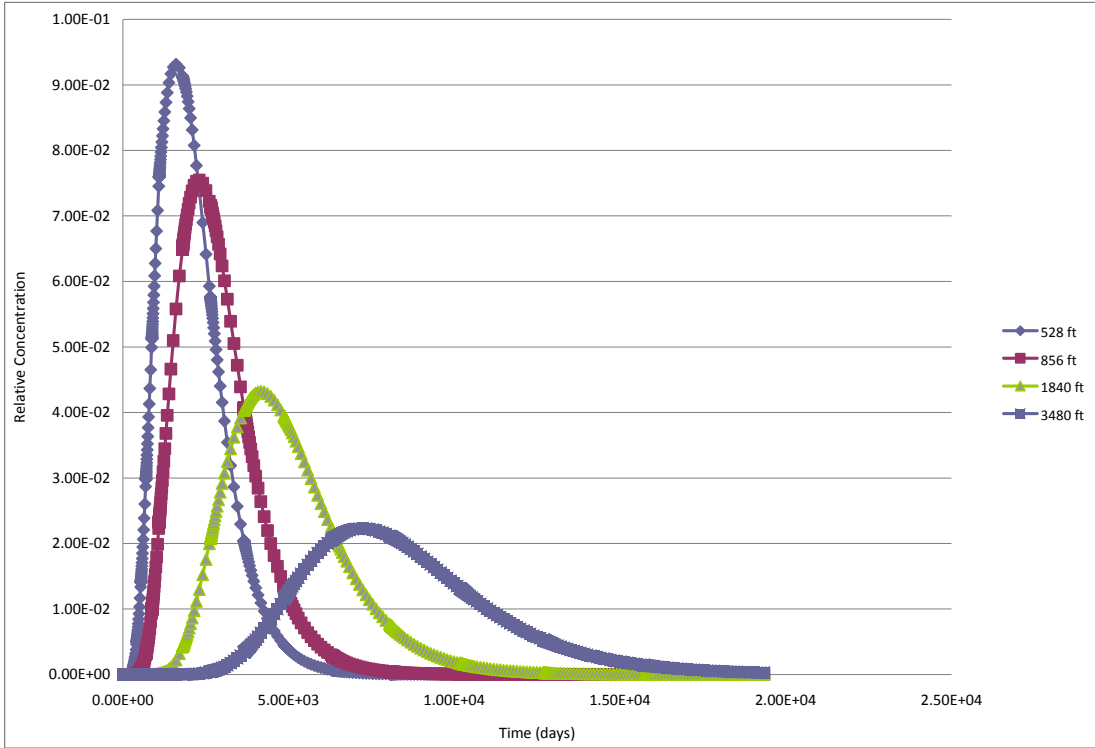


Figure C-3: Run 1c

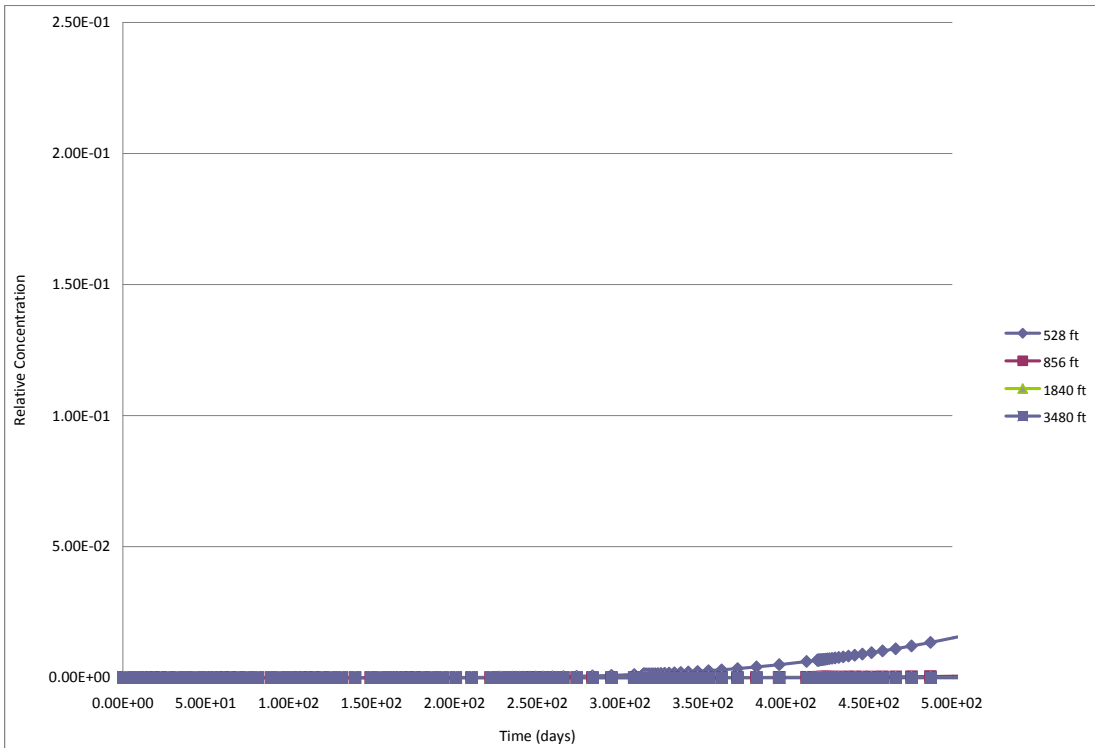
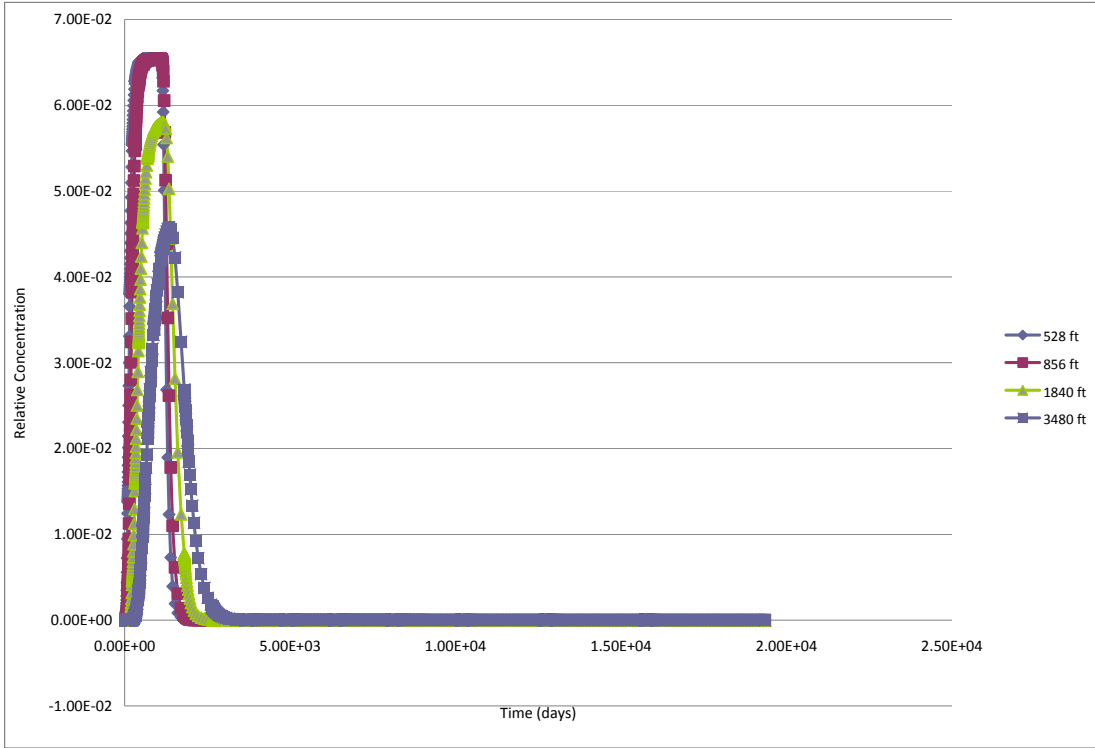
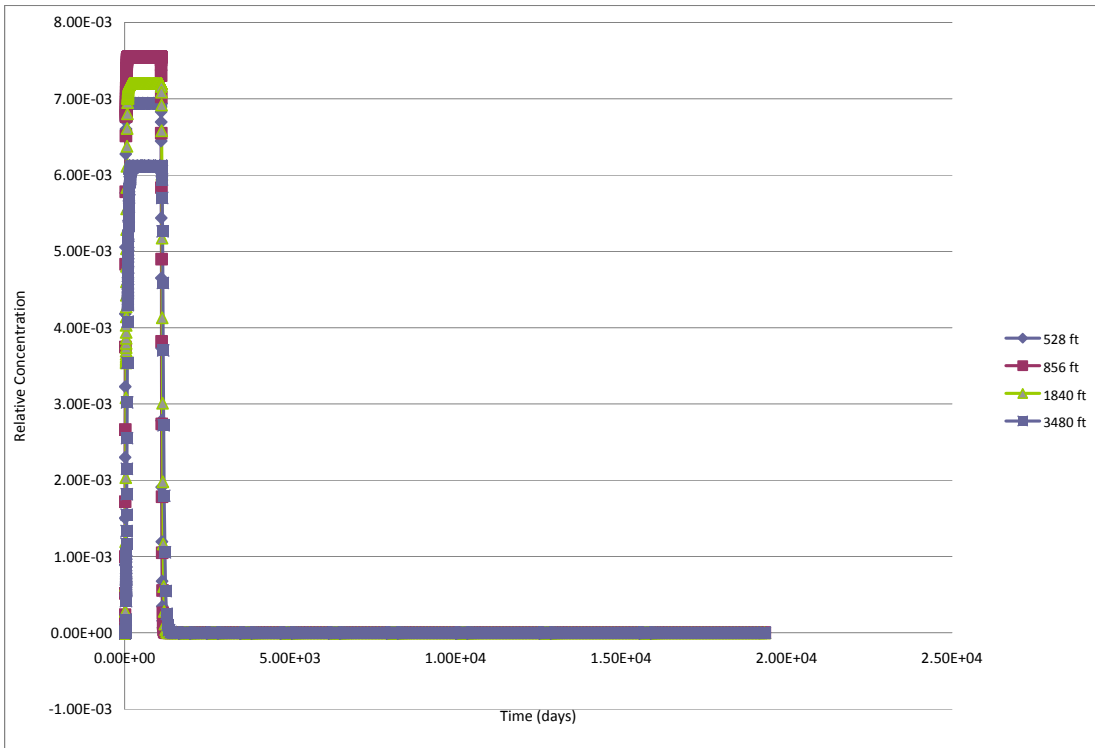


Figure C-4: Run 1d



**Figure C-5: Run 1e**



**Figure C-6: Run 1f**

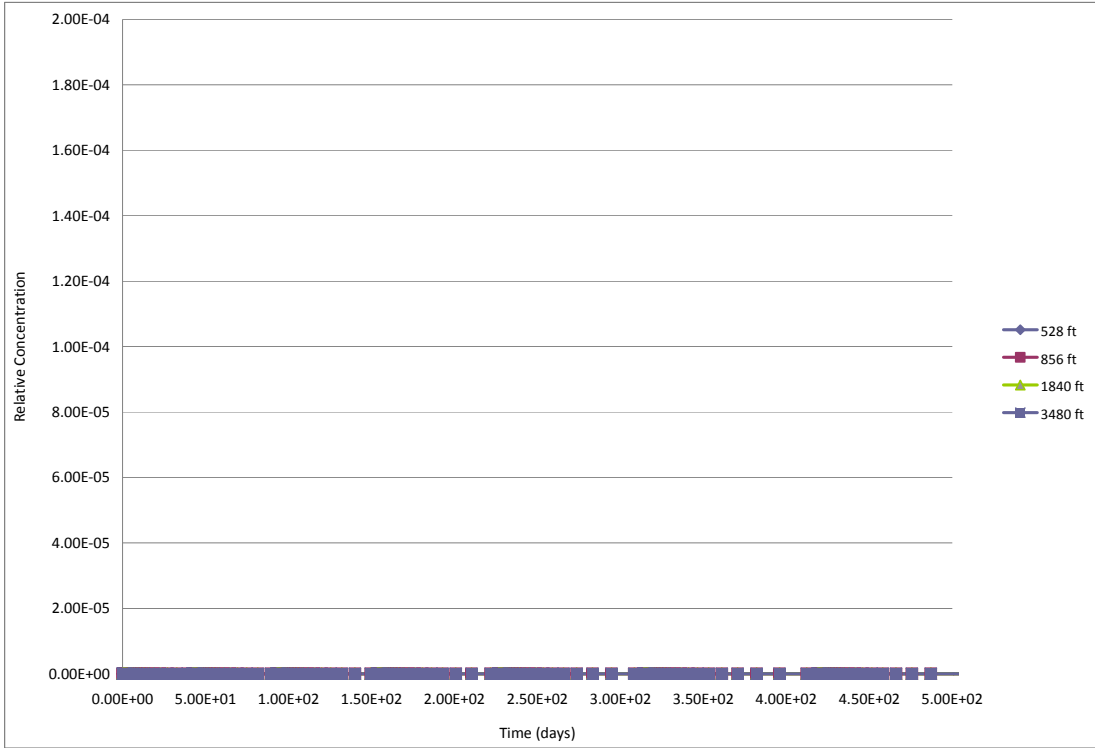


Figure C-7: Run 1g

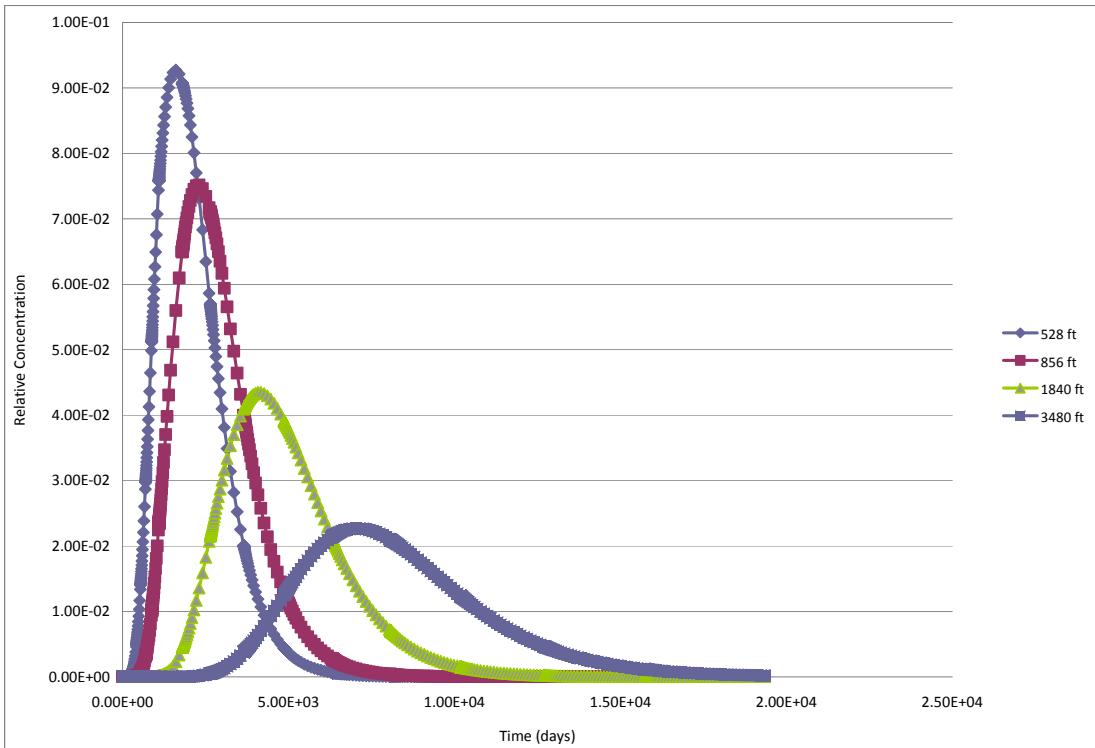
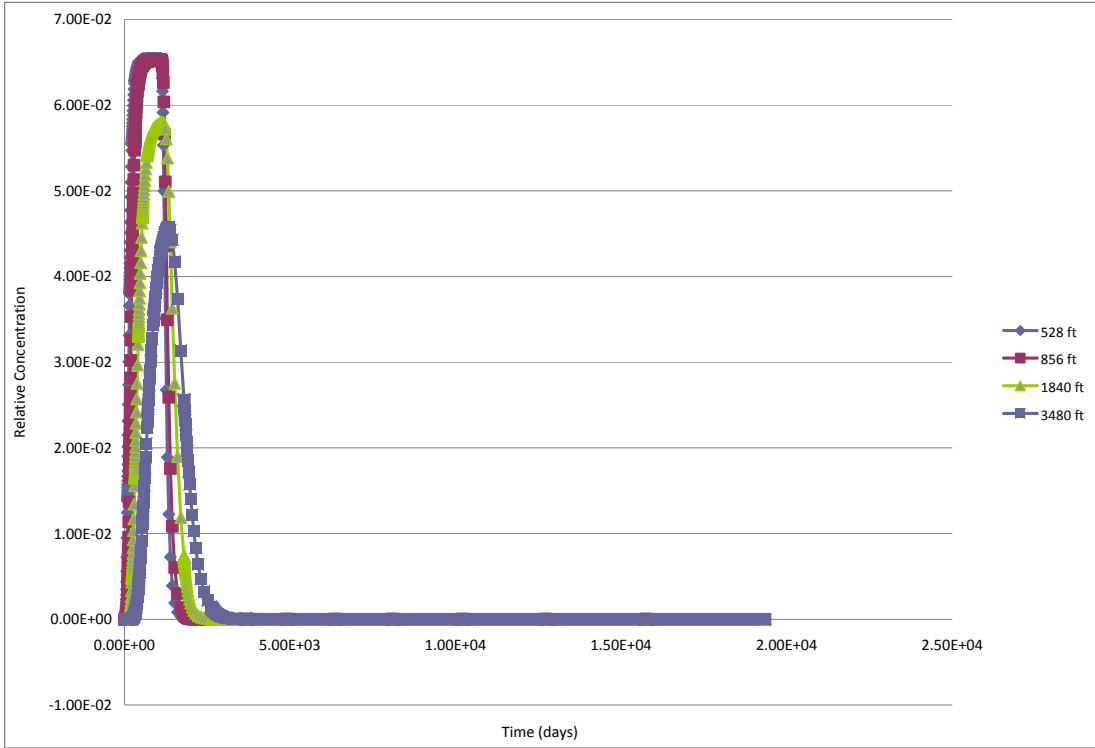
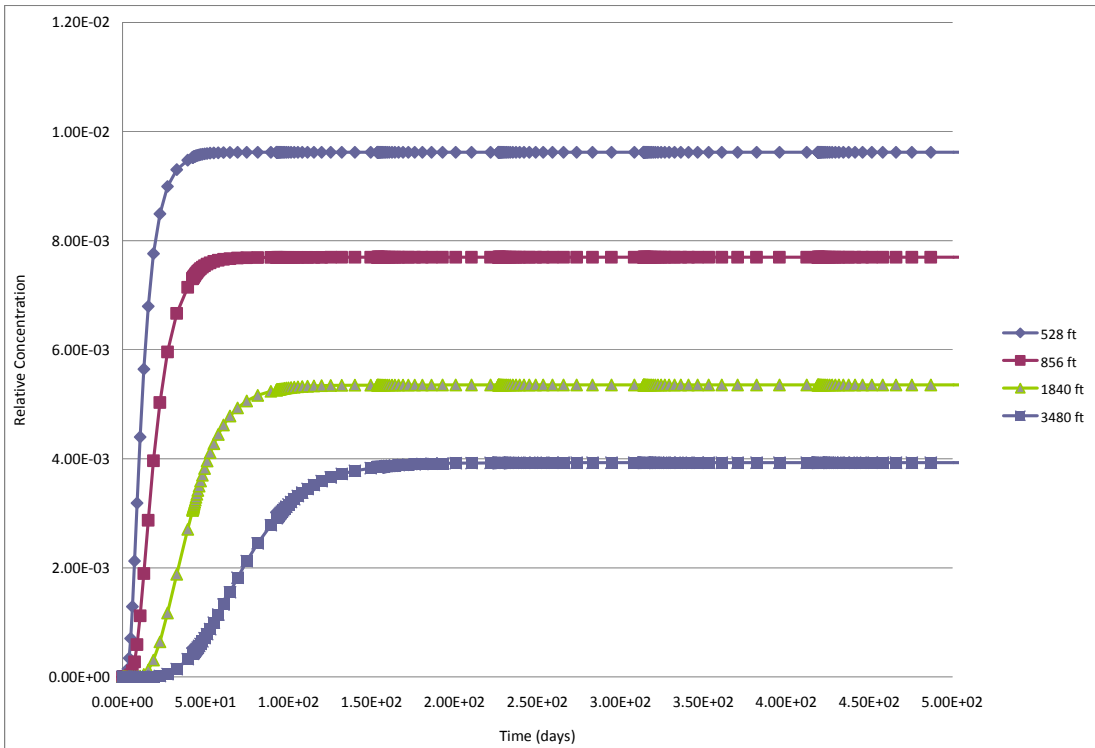


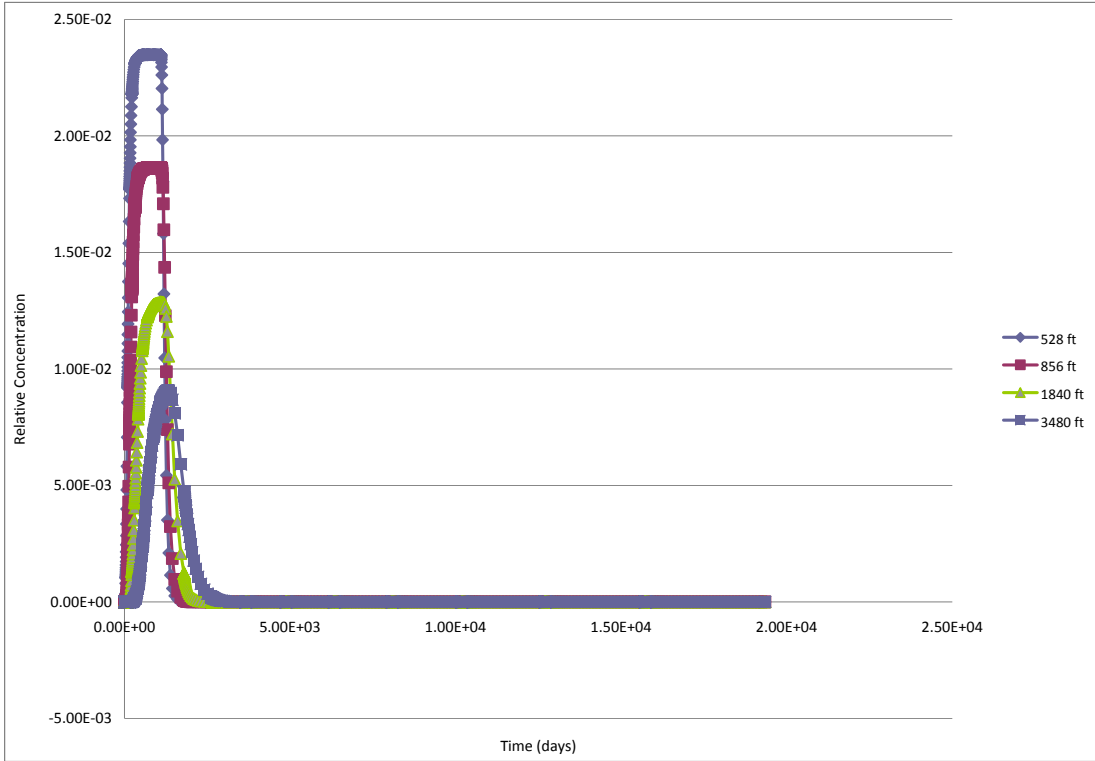
Figure C-8: Run 1h



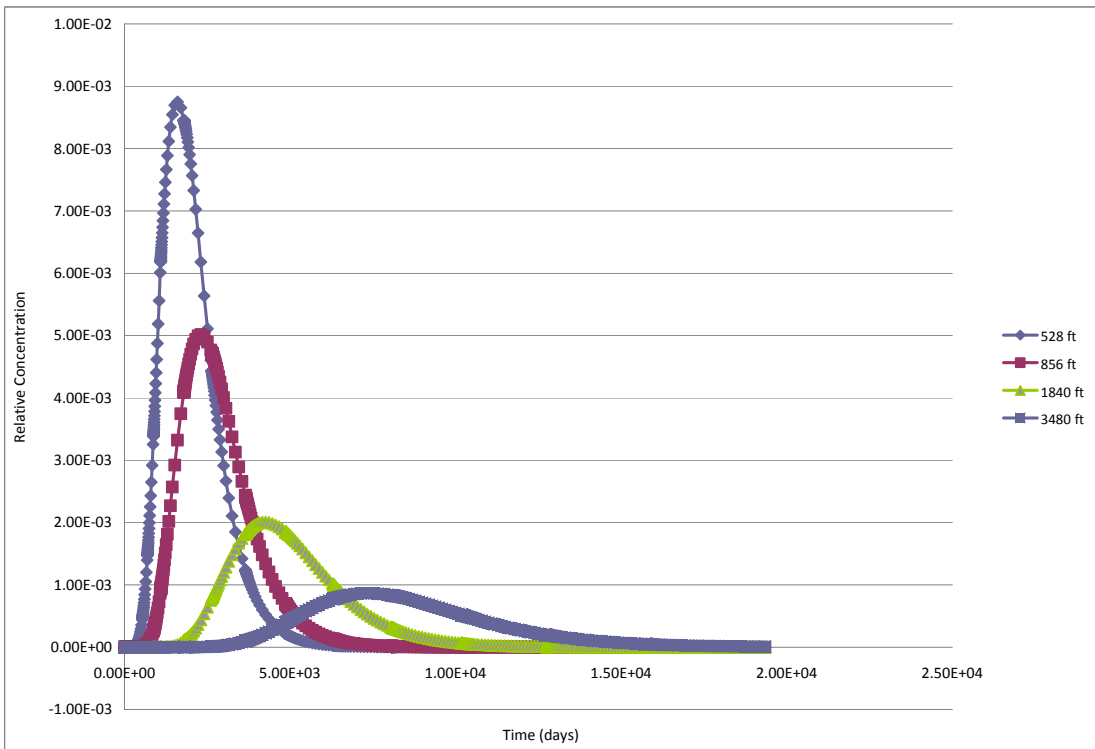
**Figure C-9: Run 1i**



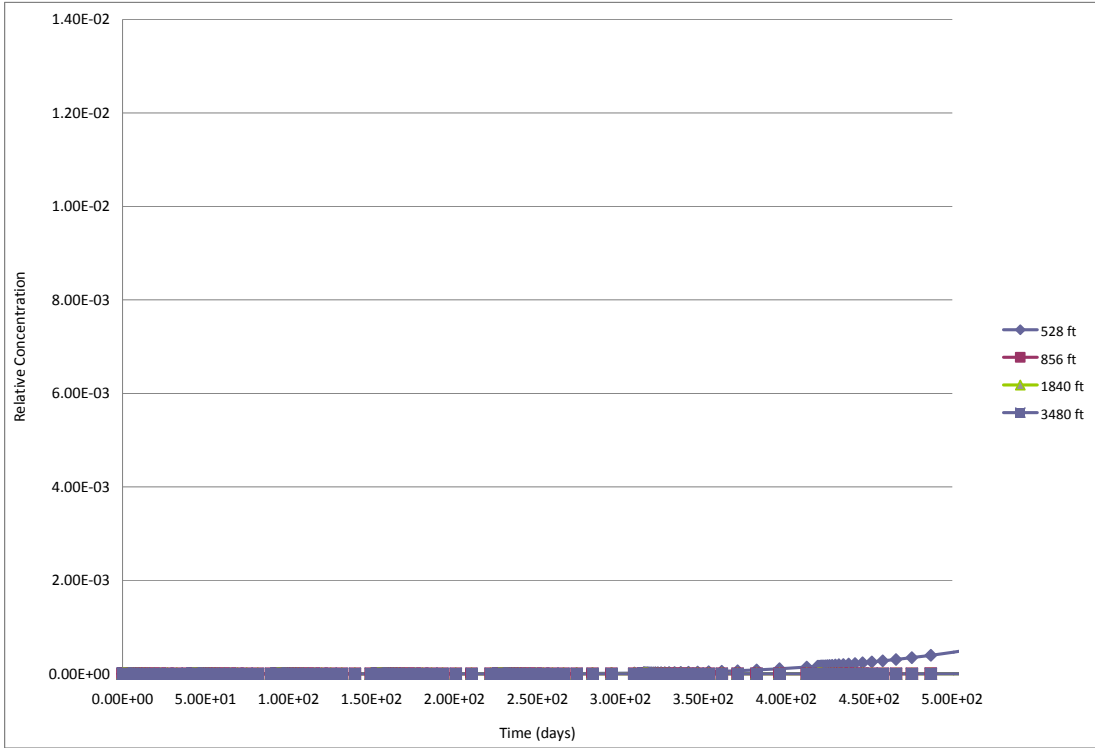
**Figure C-10: Run 2a**



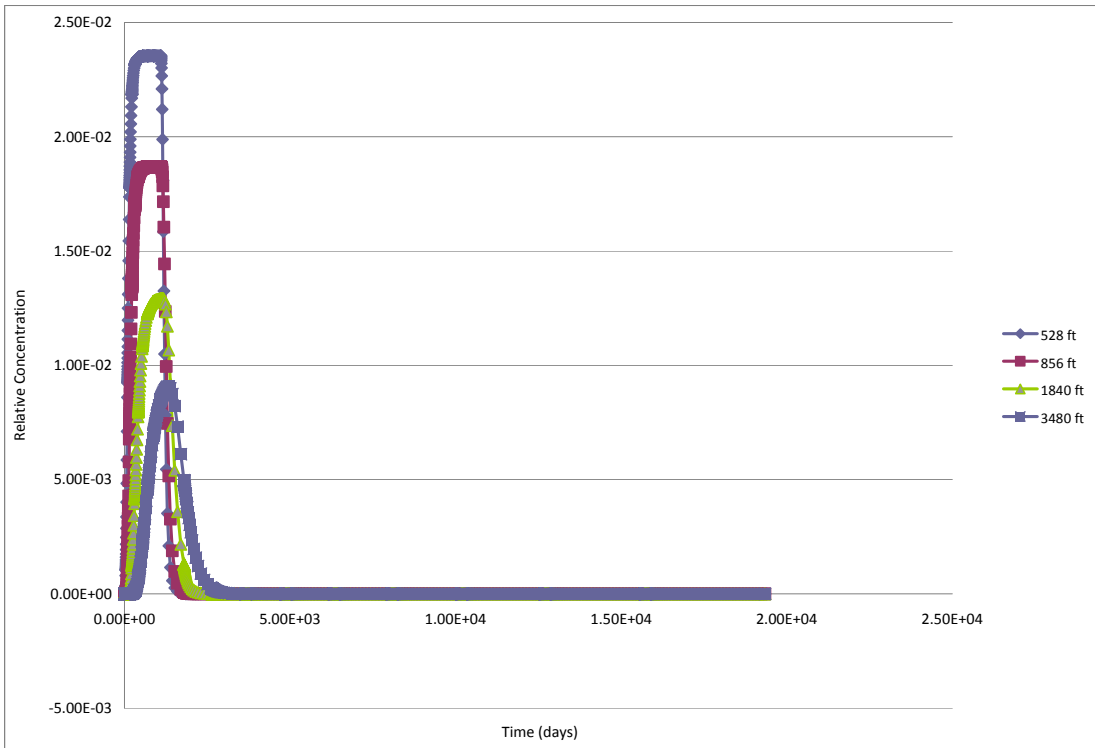
**Figure C-11: Run 2b**



**Figure C-12: Run 2c**

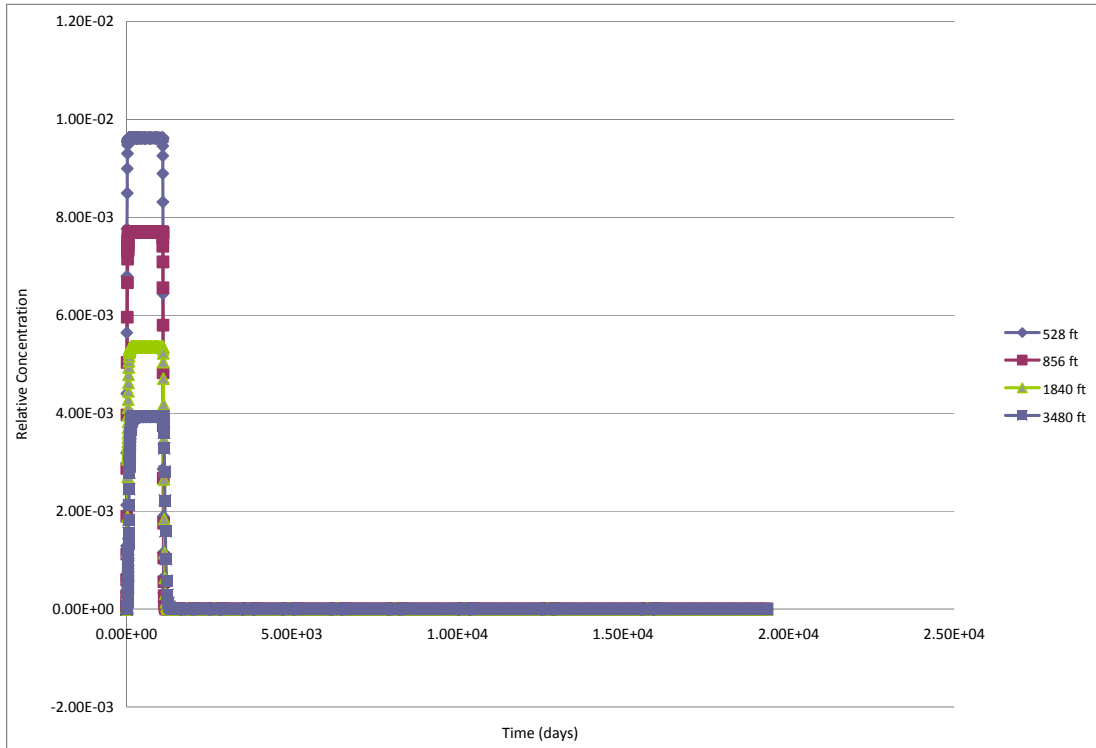


**Figure C-13: Run 2d**

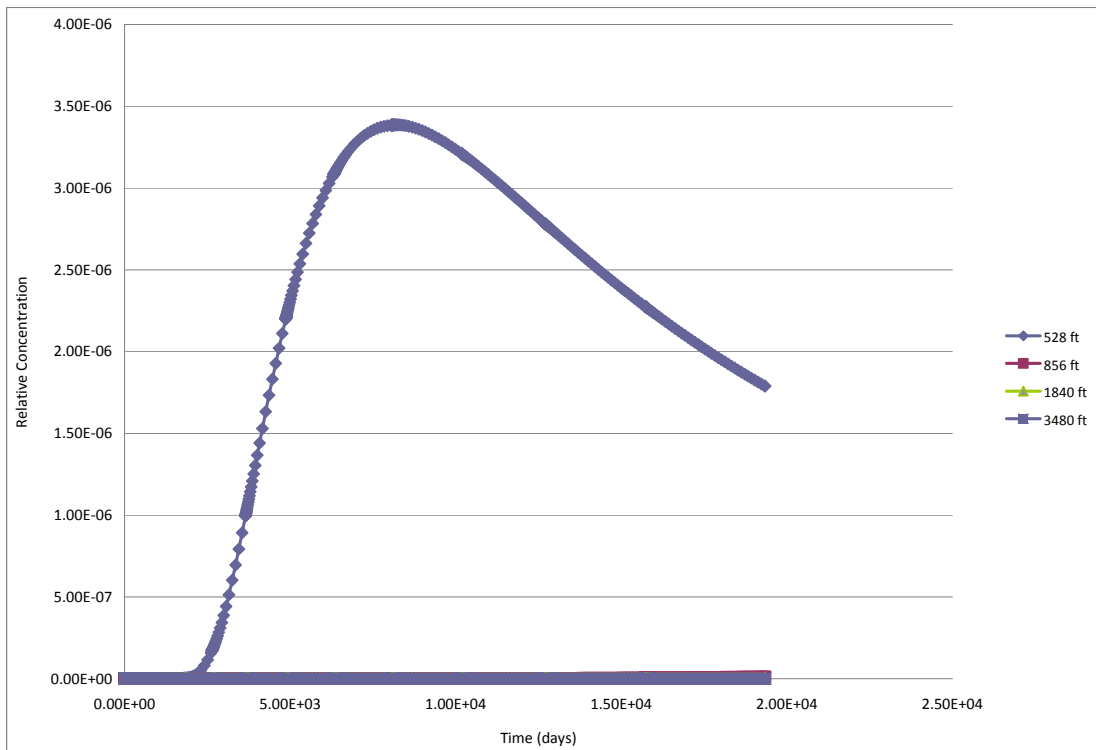


**Figure C-14: Run 2e**





**Figure C-15: Run 2f**



**Figure C-16: Run 2g**

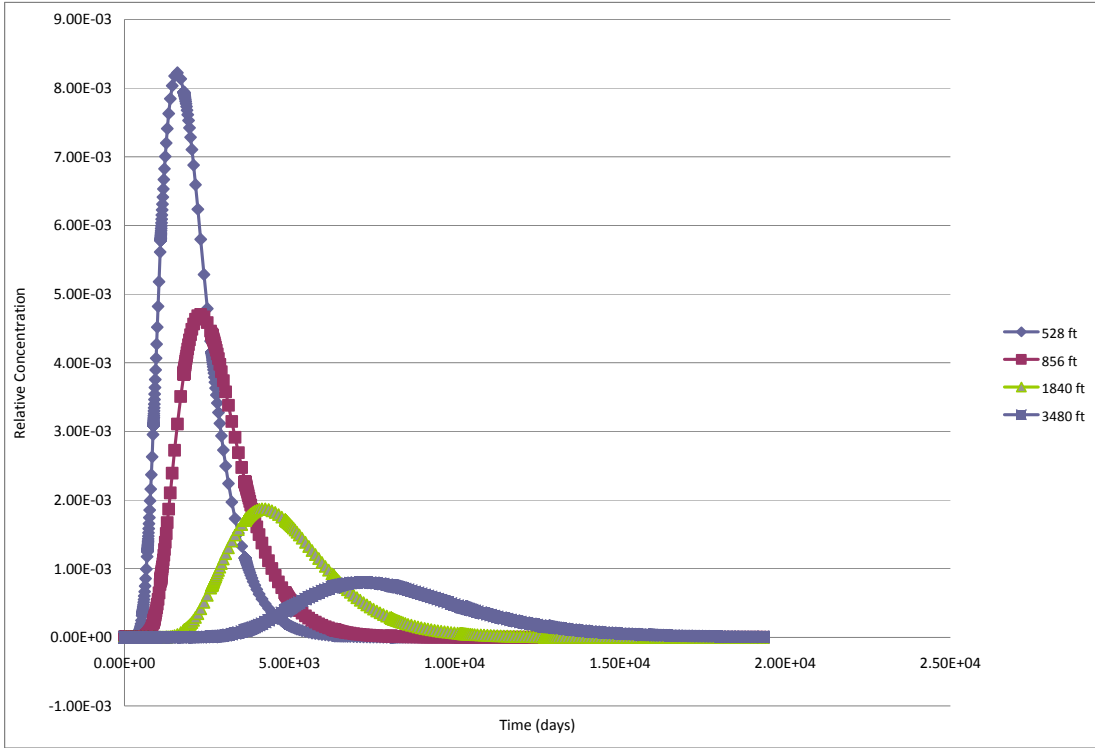


Figure C-17: Run 2h

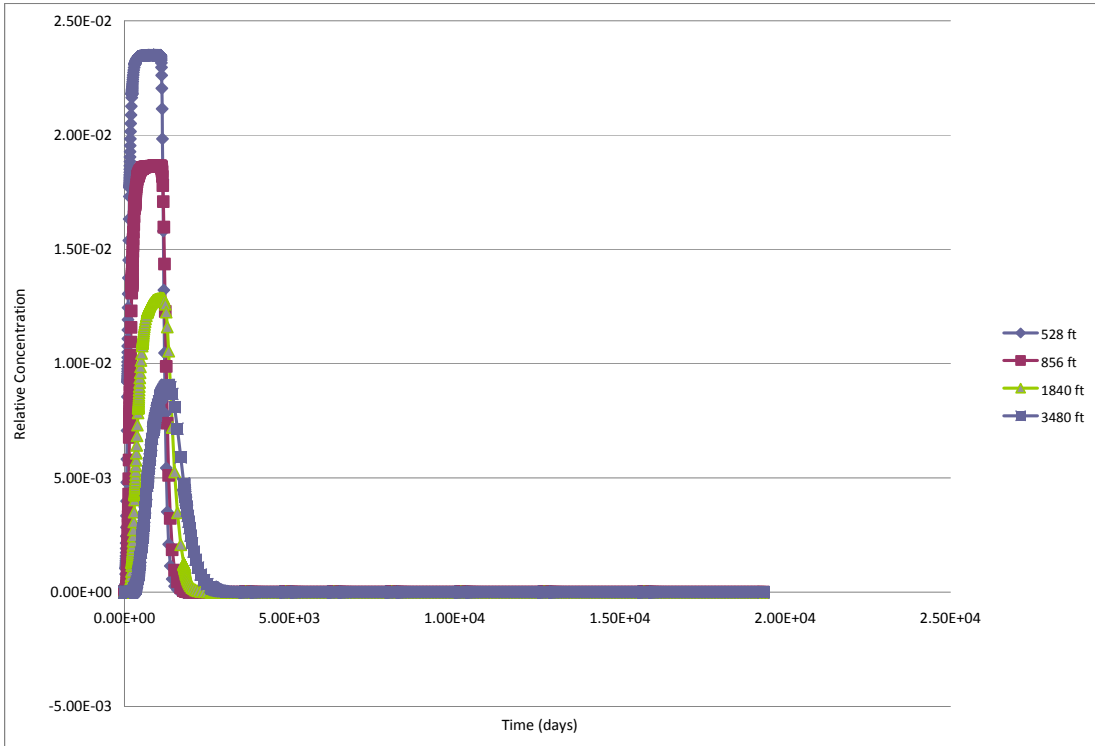
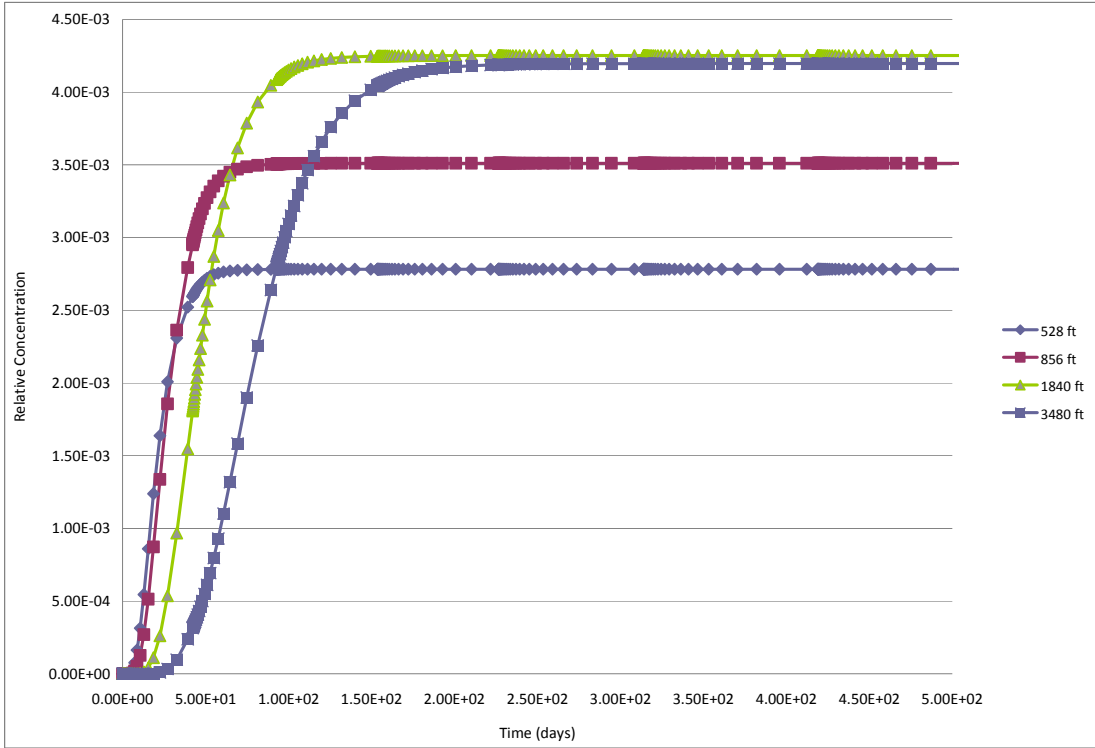
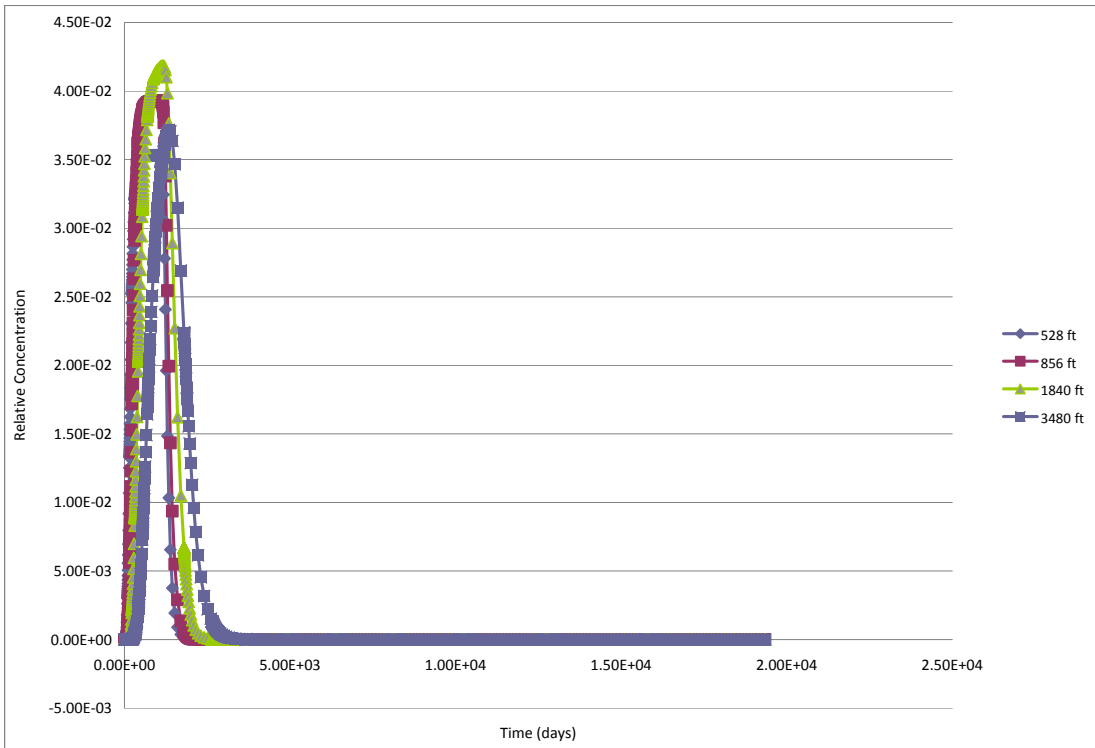


Figure C-18: Run 2i



**Figure C-19: Run 3a**



**Figure C-20: Run 3b**

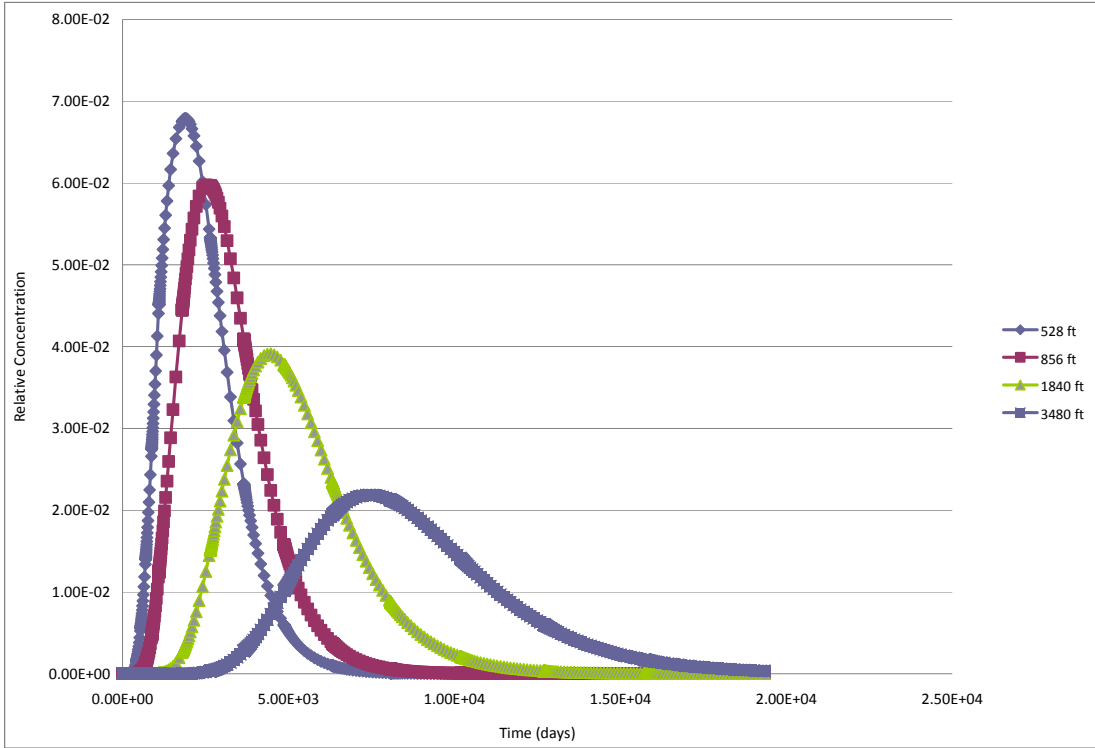


Figure C-21: Run 3c

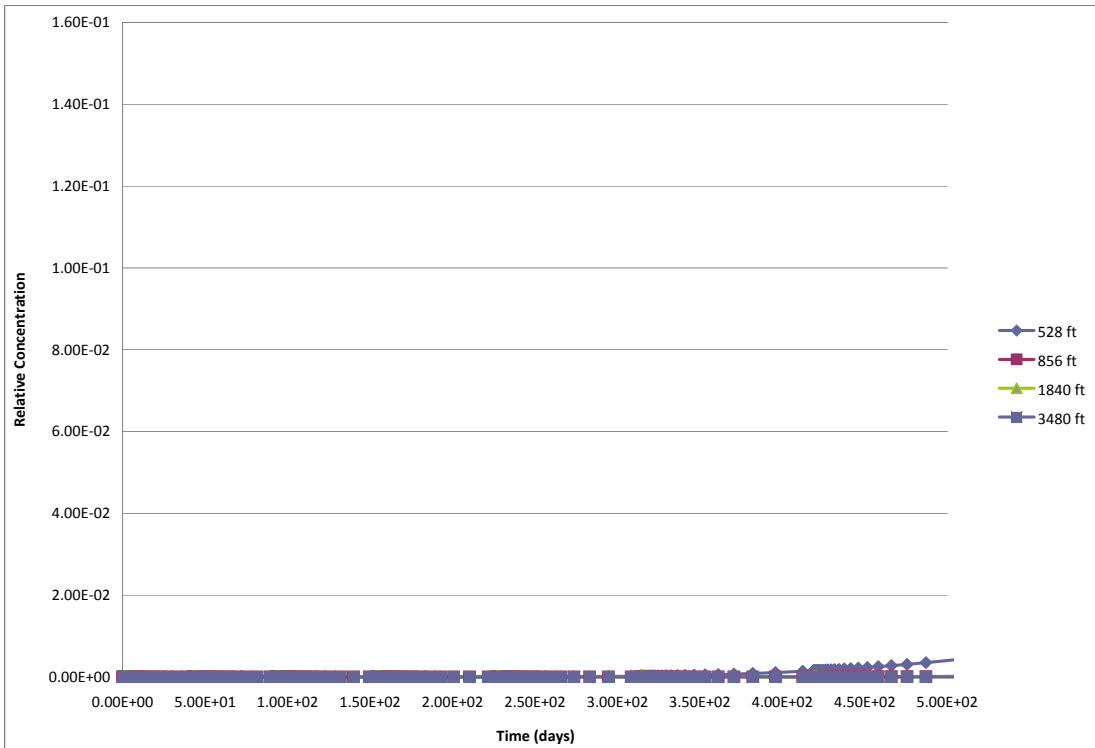
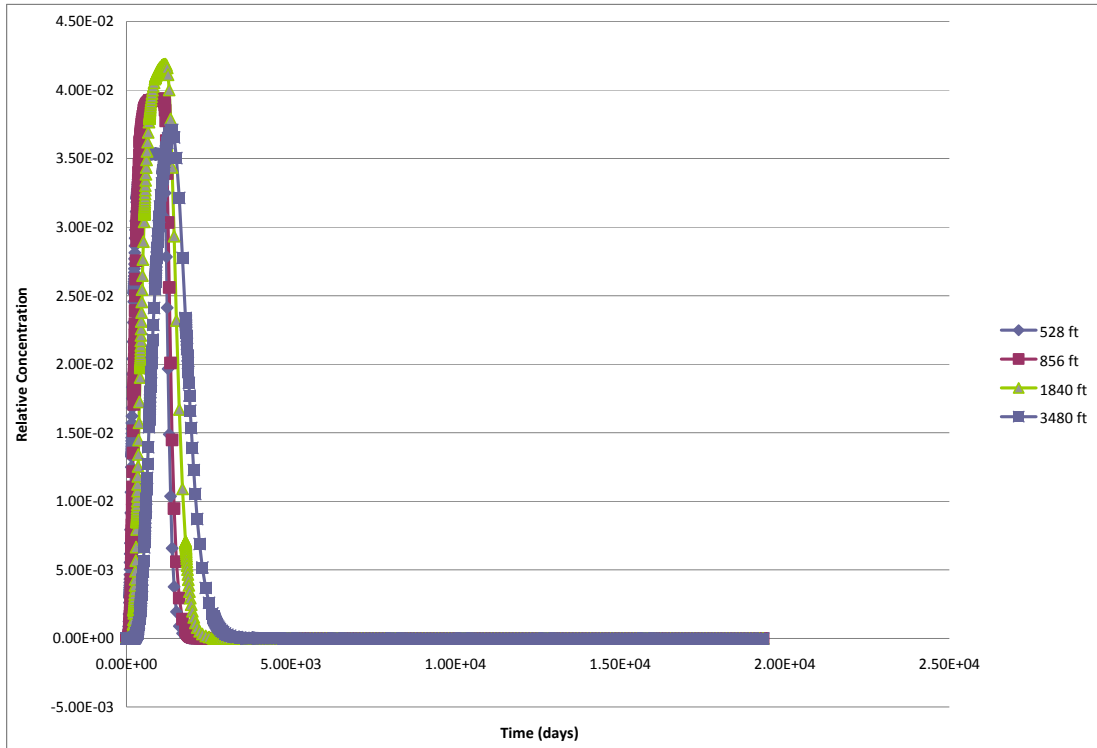
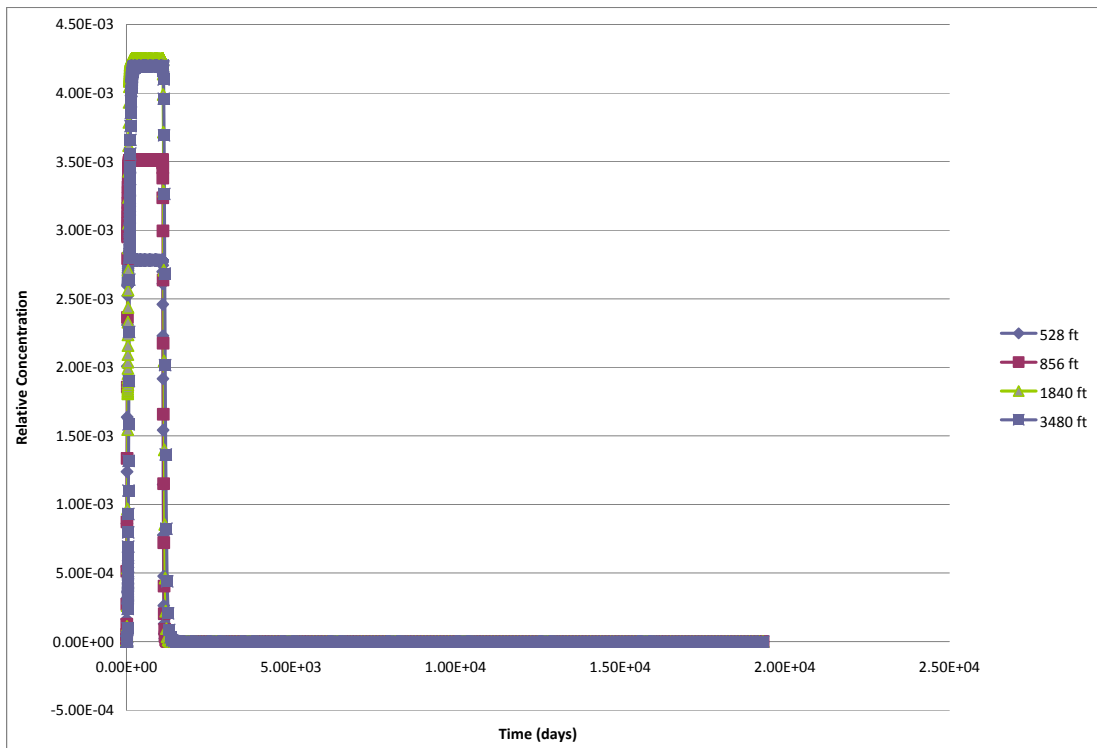


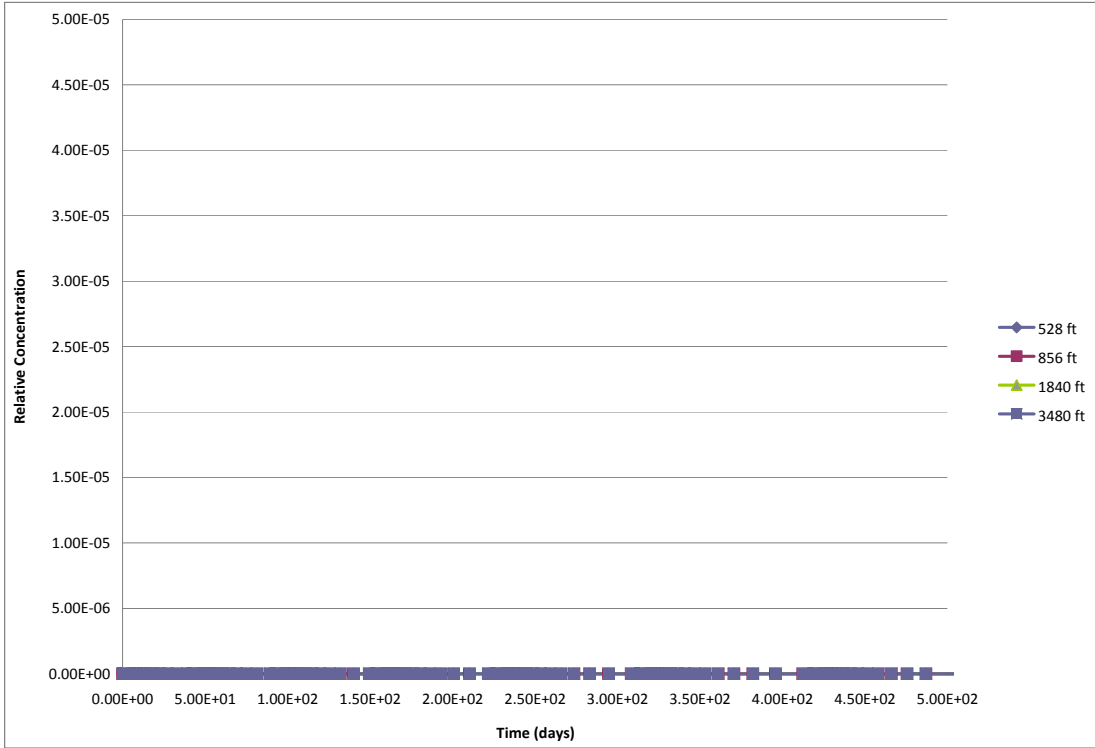
Figure C-22: Run 3d



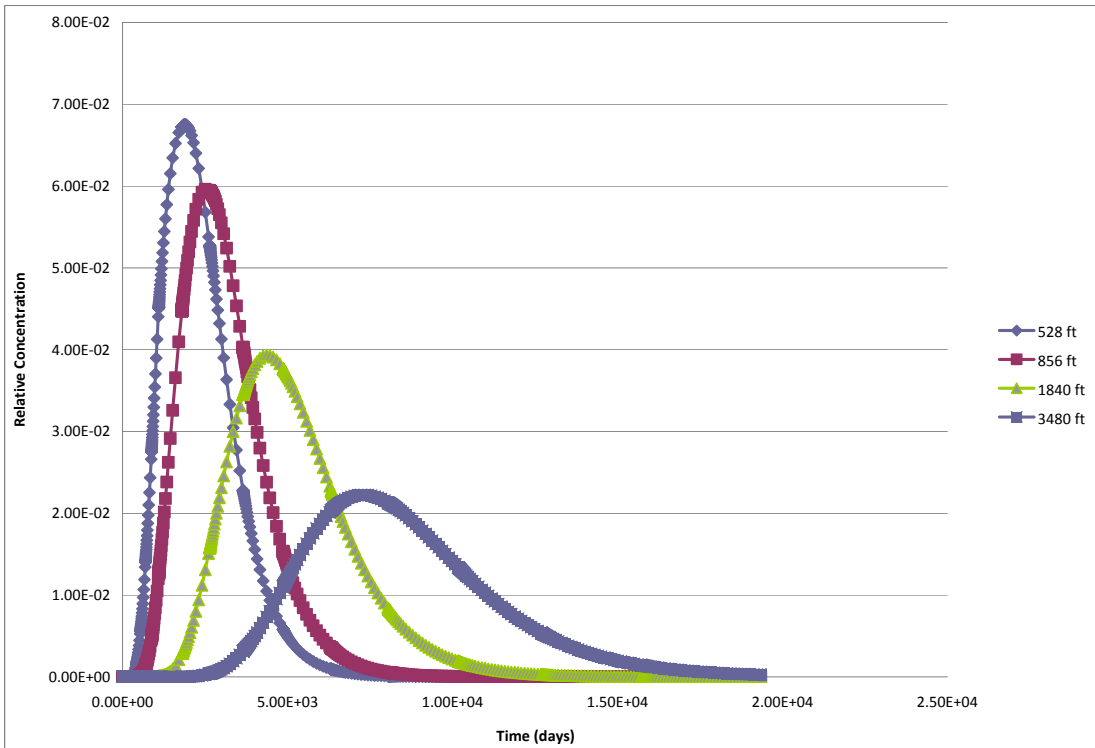
**Figure C-23: Run 3e**



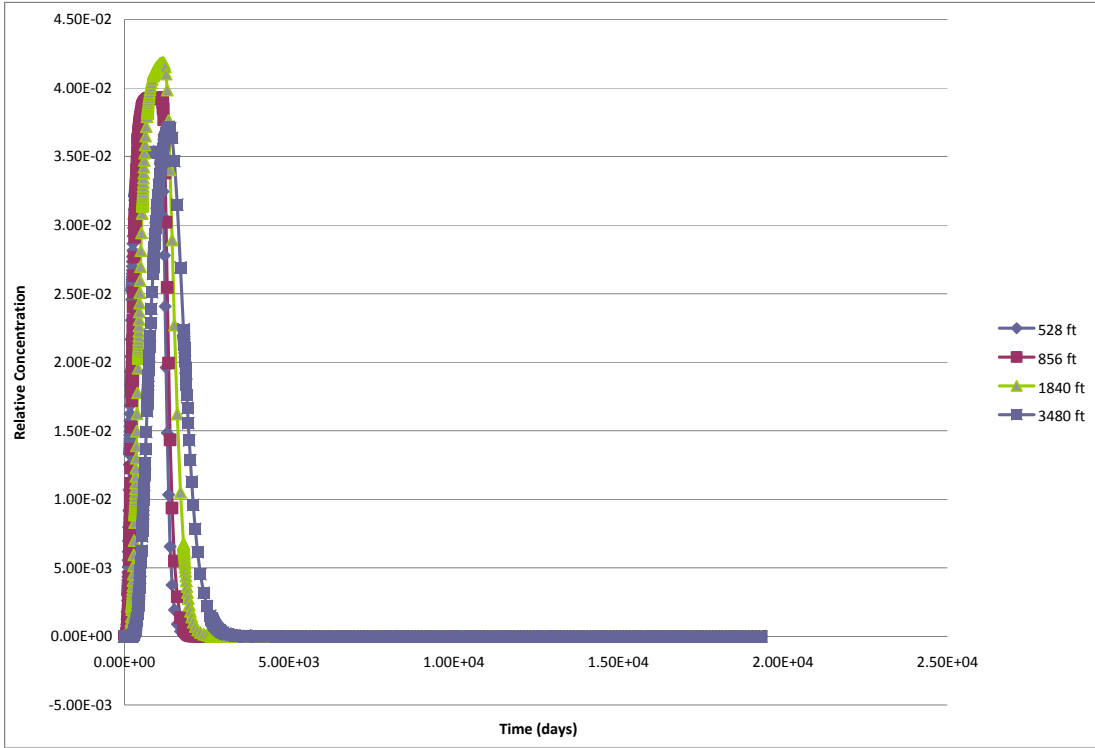
**Figure C-24: Run 3f**



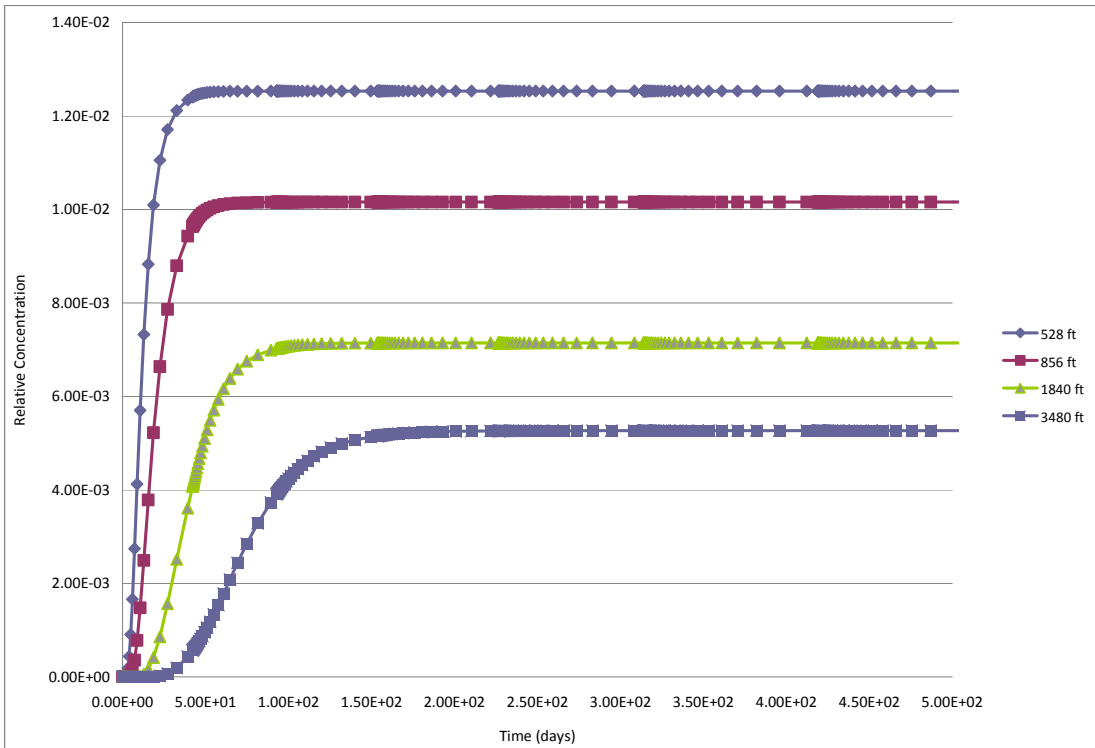
**Figure C-25: Run 3g**



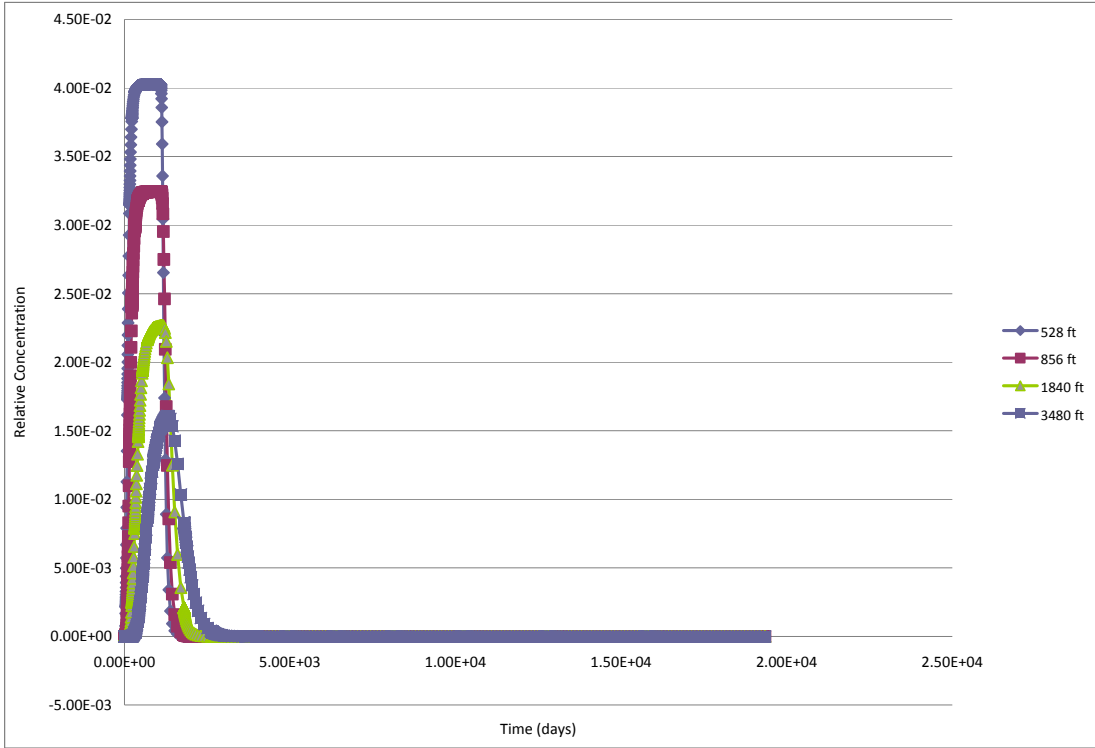
**Figure C-26: Run 3h**



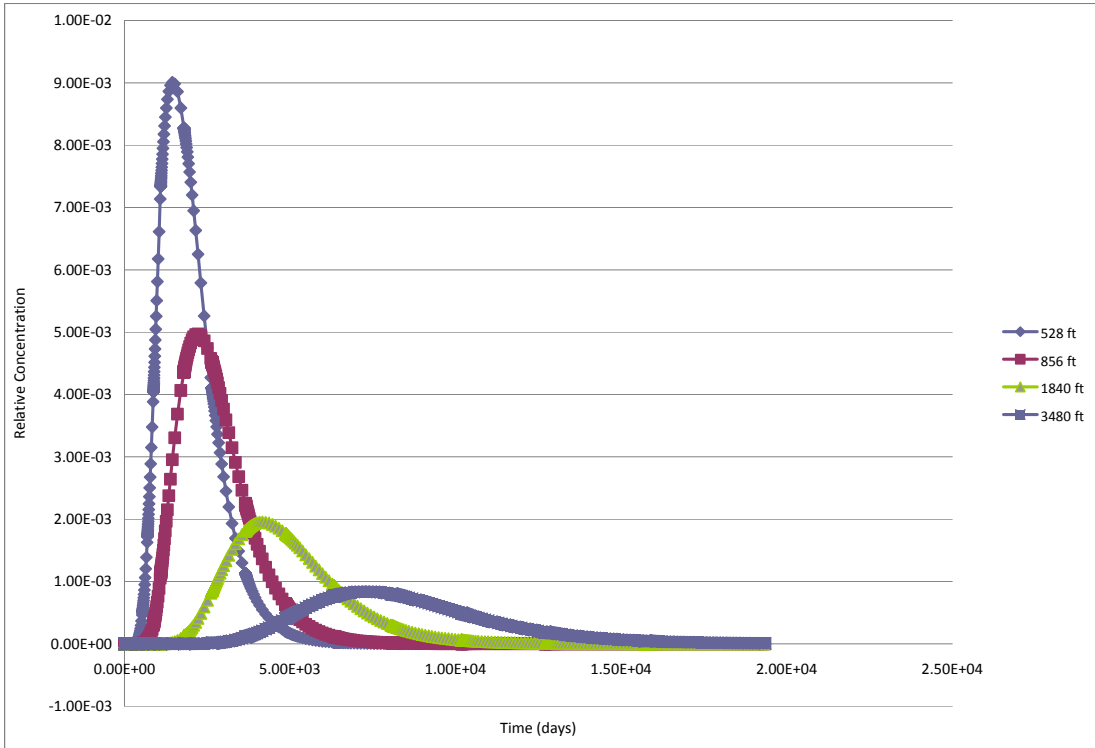
**Figure C-27: Run 3i**



**Figure C-28: Run 4a**

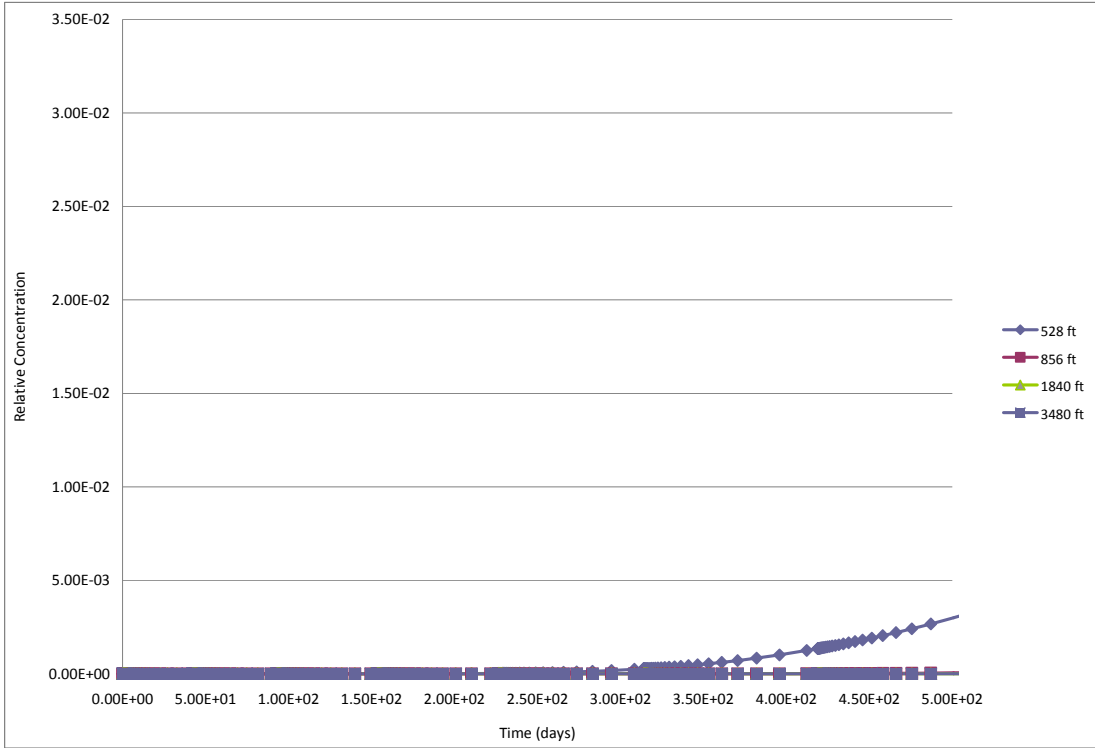


**Figure C-29: Run 4b**

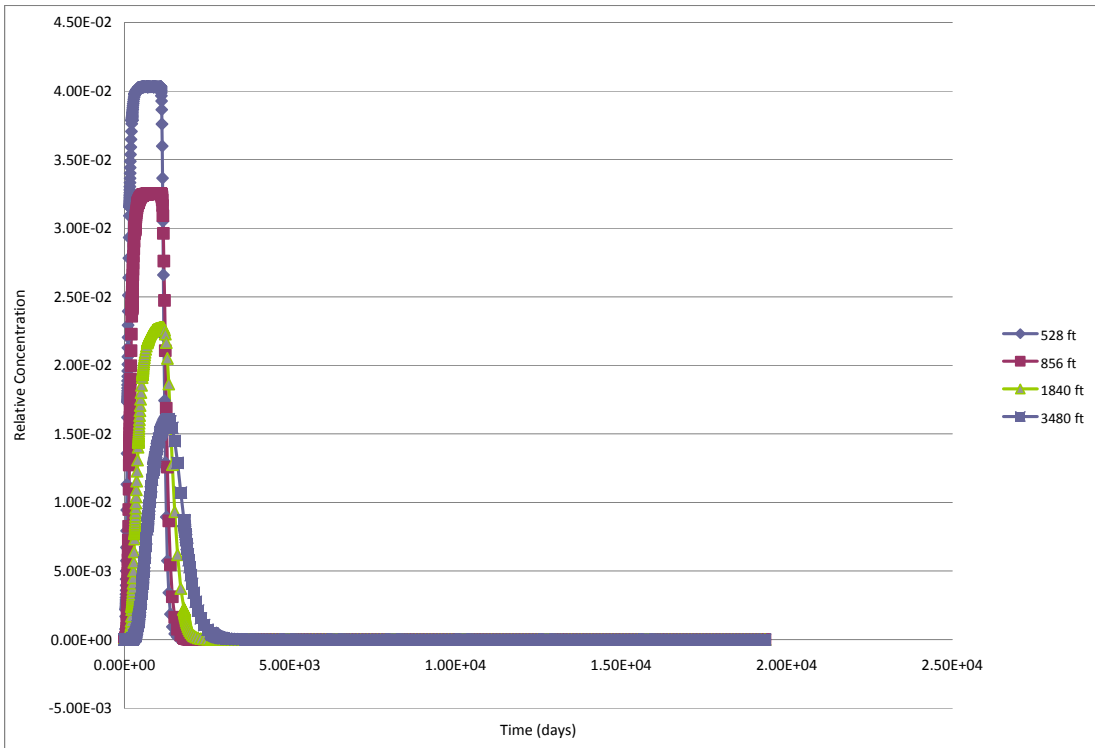


**Figure C-30: Run 4c**

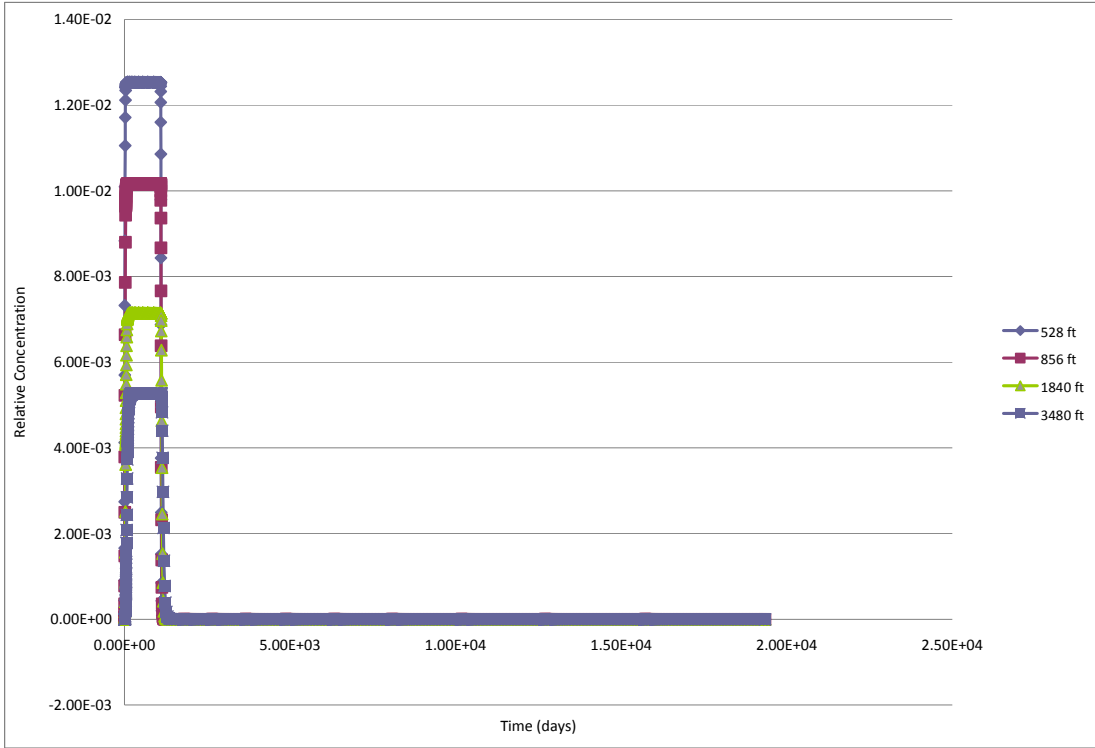




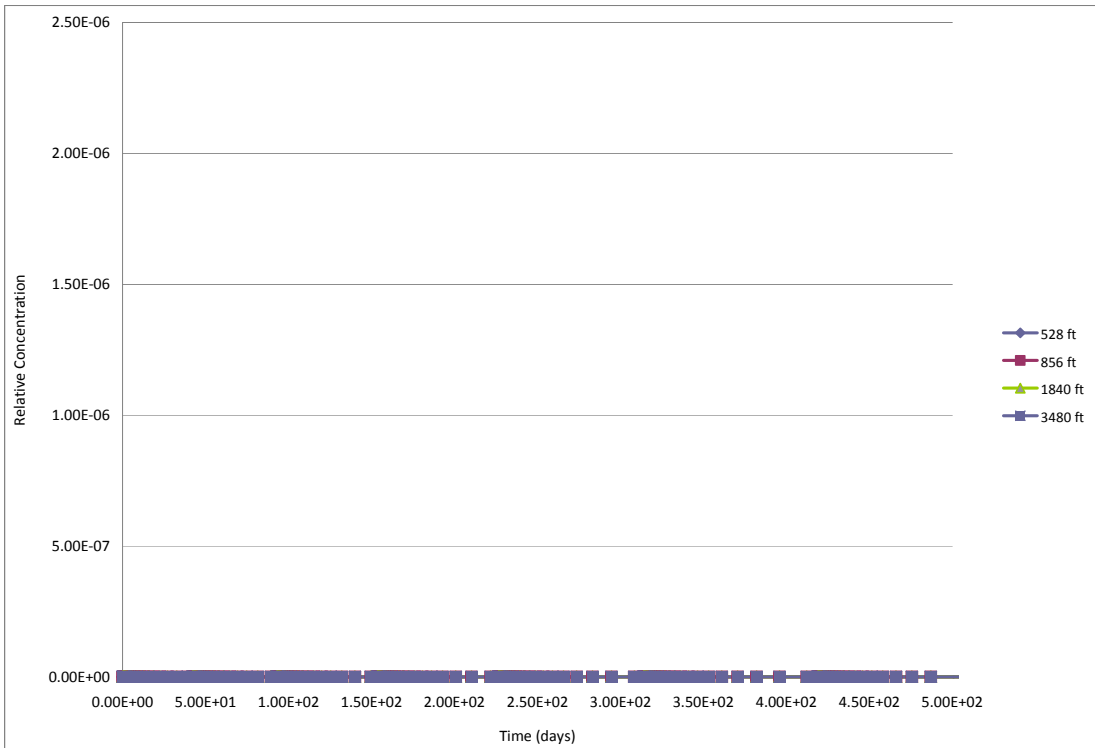
**Figure C-31: Run 4d**



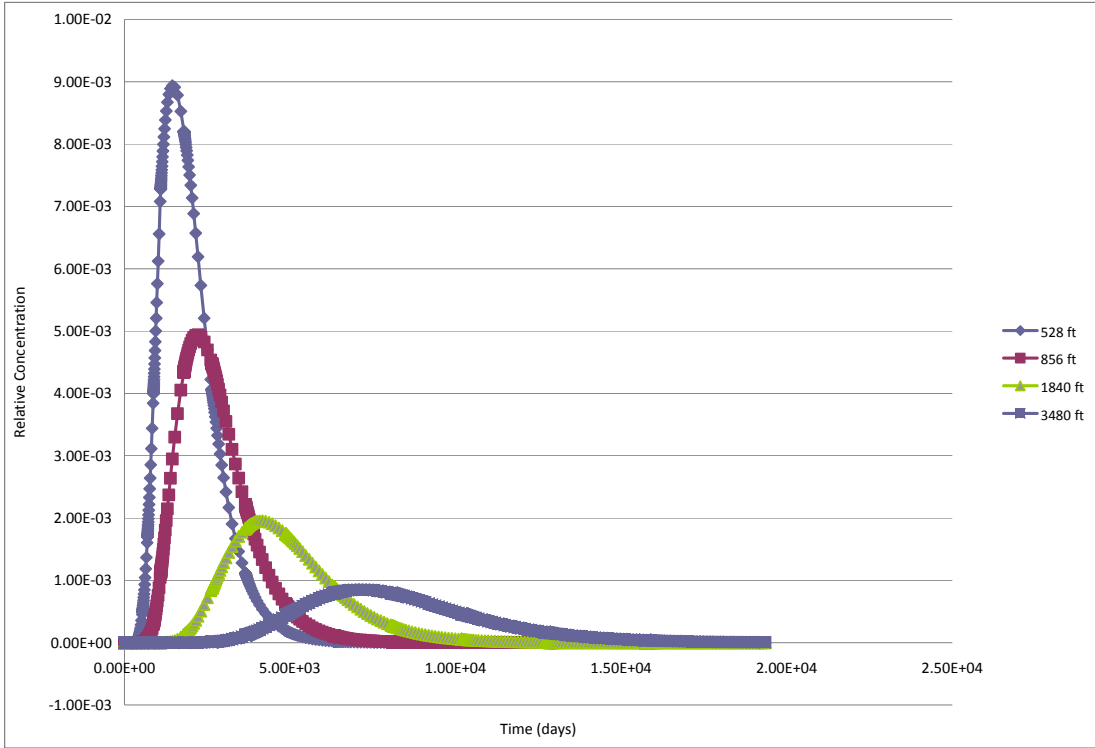
**Figure C-32: Run 4e**



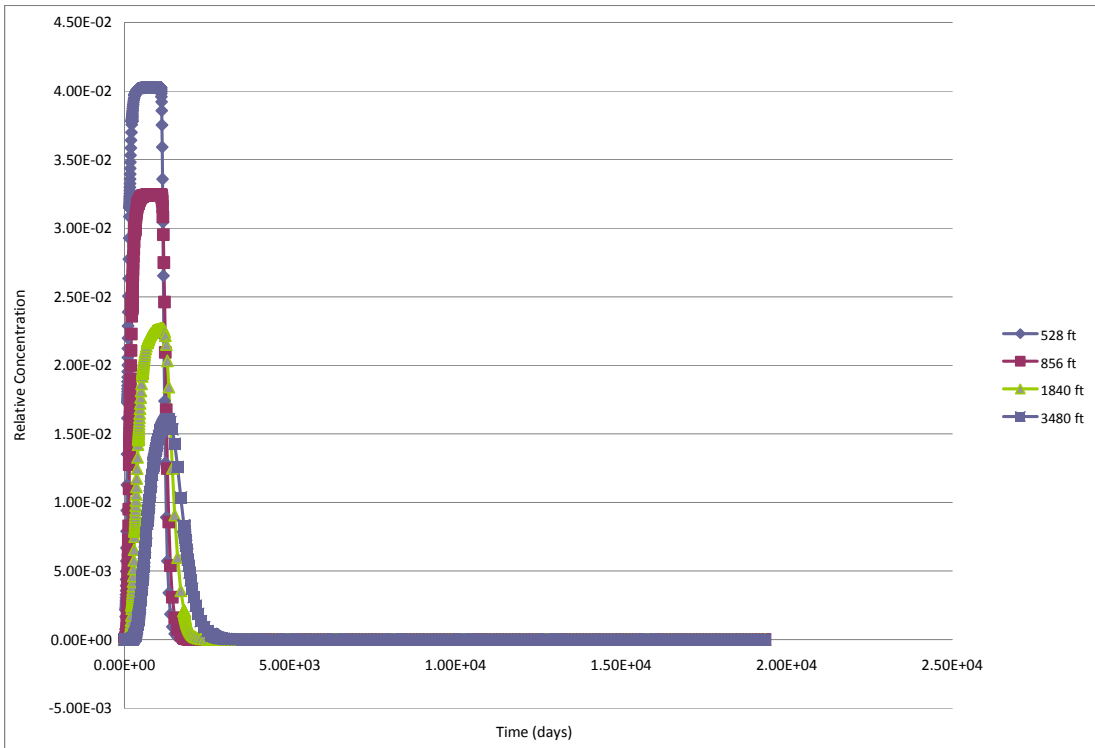
**Figure C-33: Run 4f**



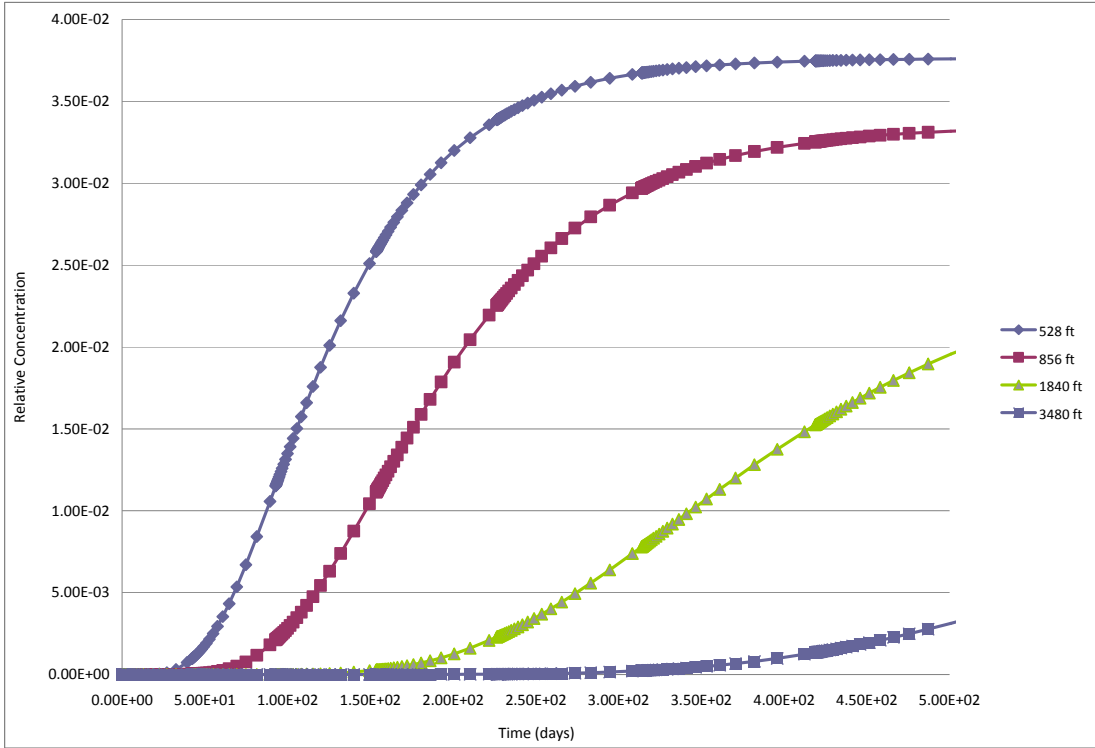
**Figure C-34: Run 4g**



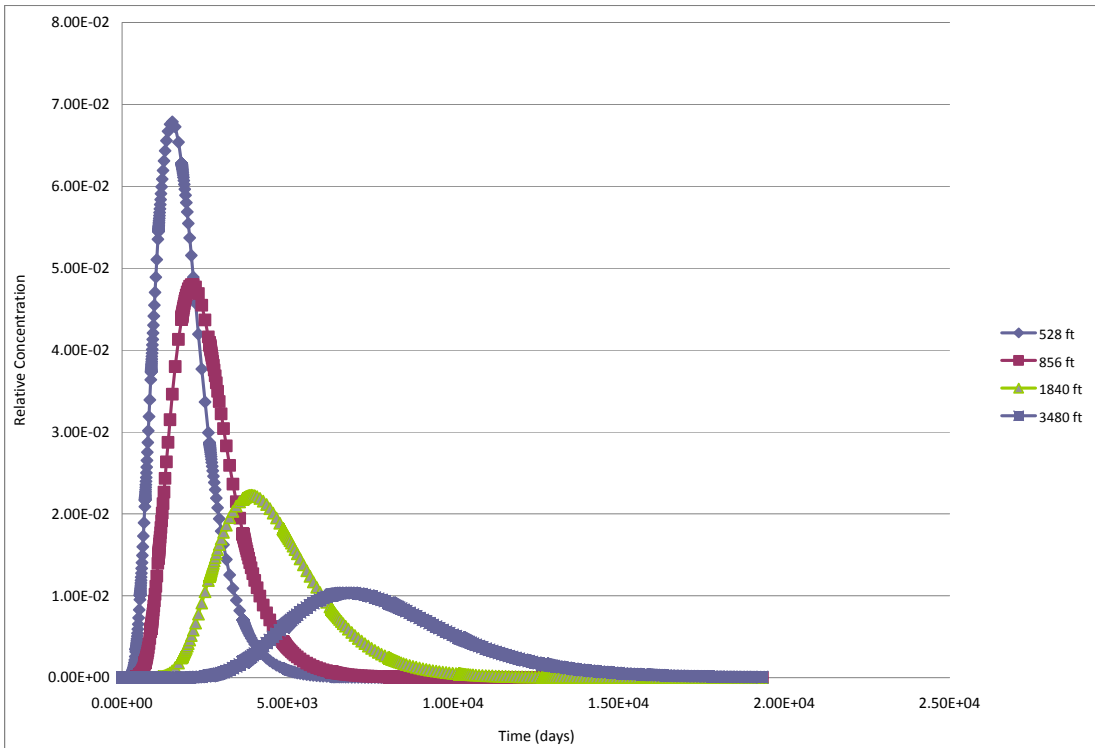
**Figure C-35: Run 4h**



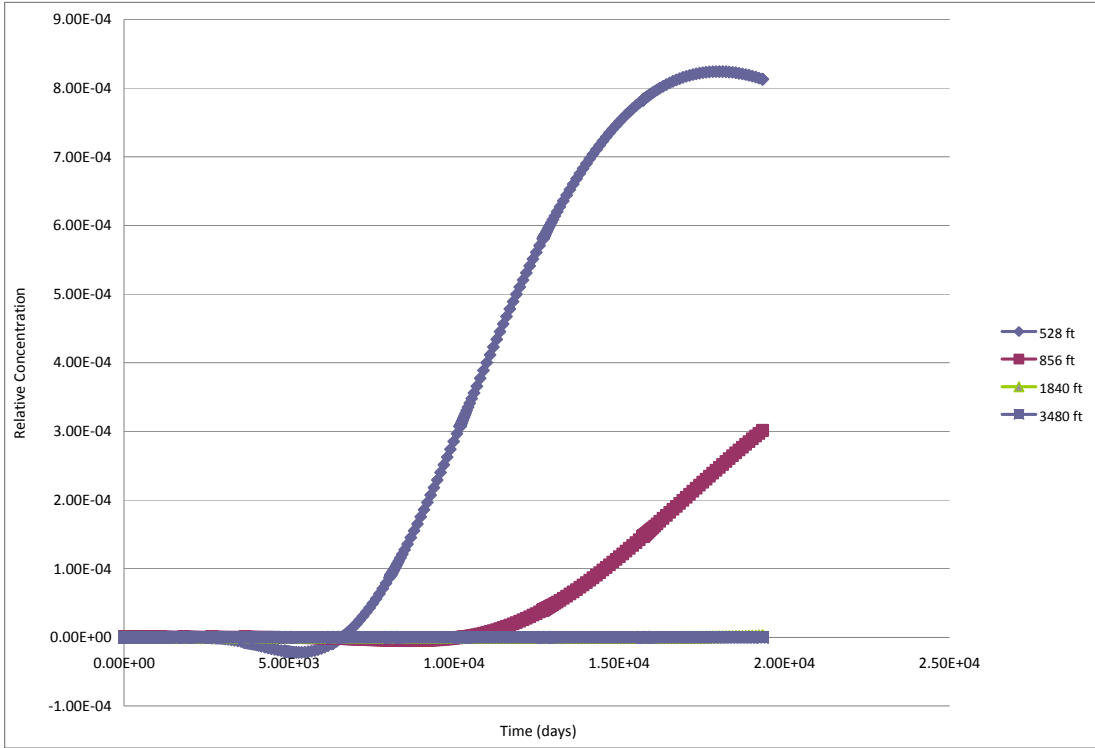
**Figure C-36: Run 4i**



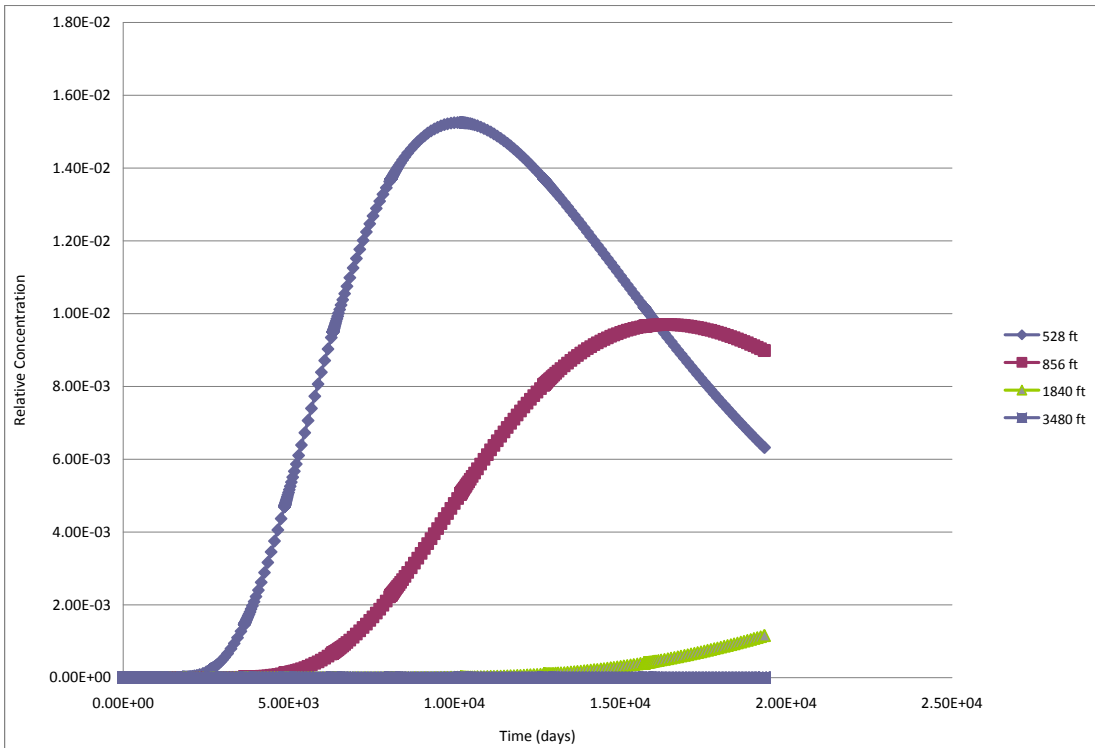
**Figure C-37: Run 5a**



**Figure C-38: Run 5b**



**Figure C-39: Run 5c**



**Figure C-40: Run 5d**

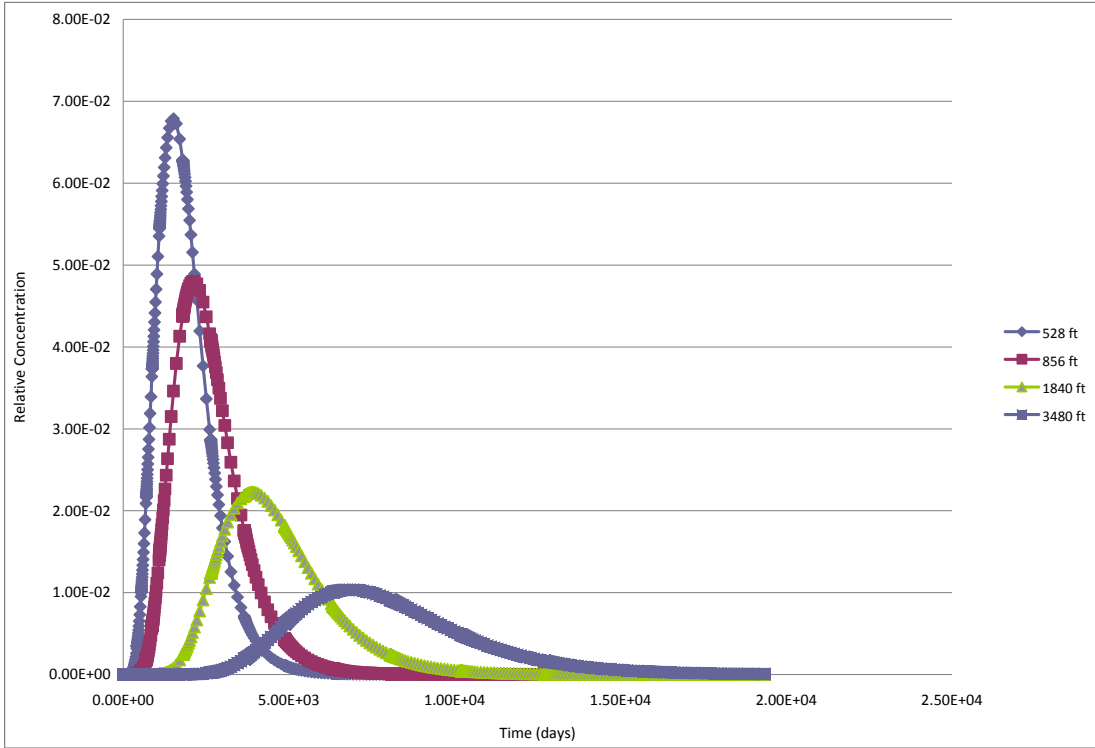


Figure C-41: Run 5e

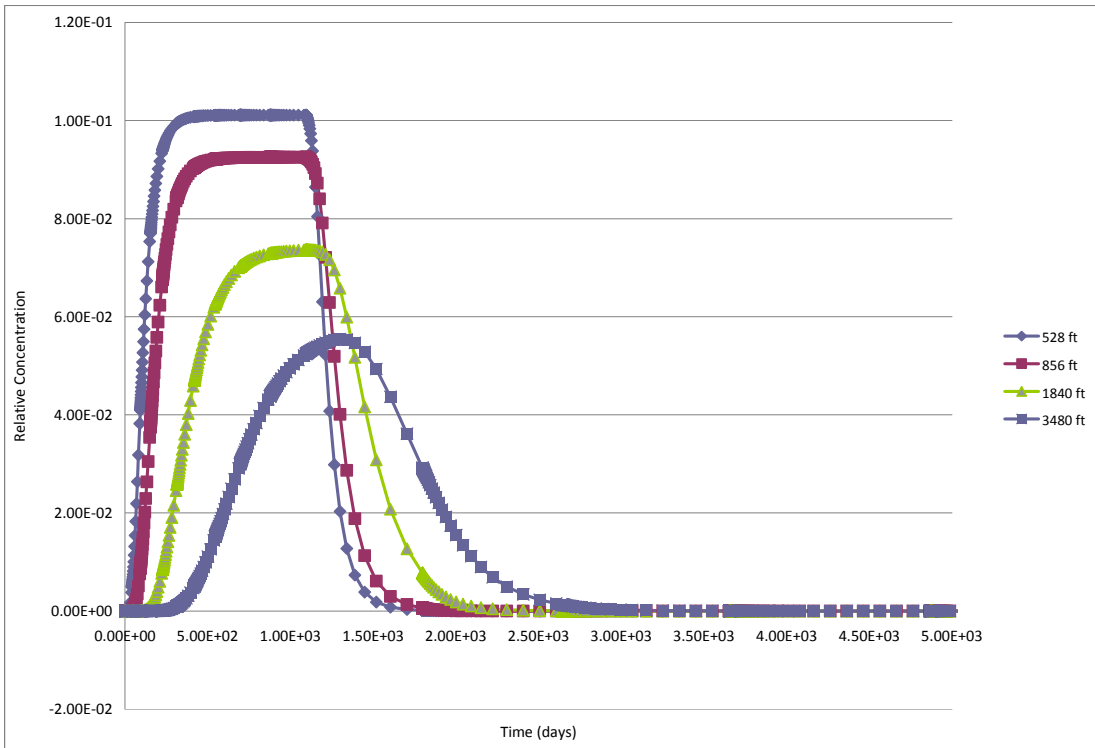
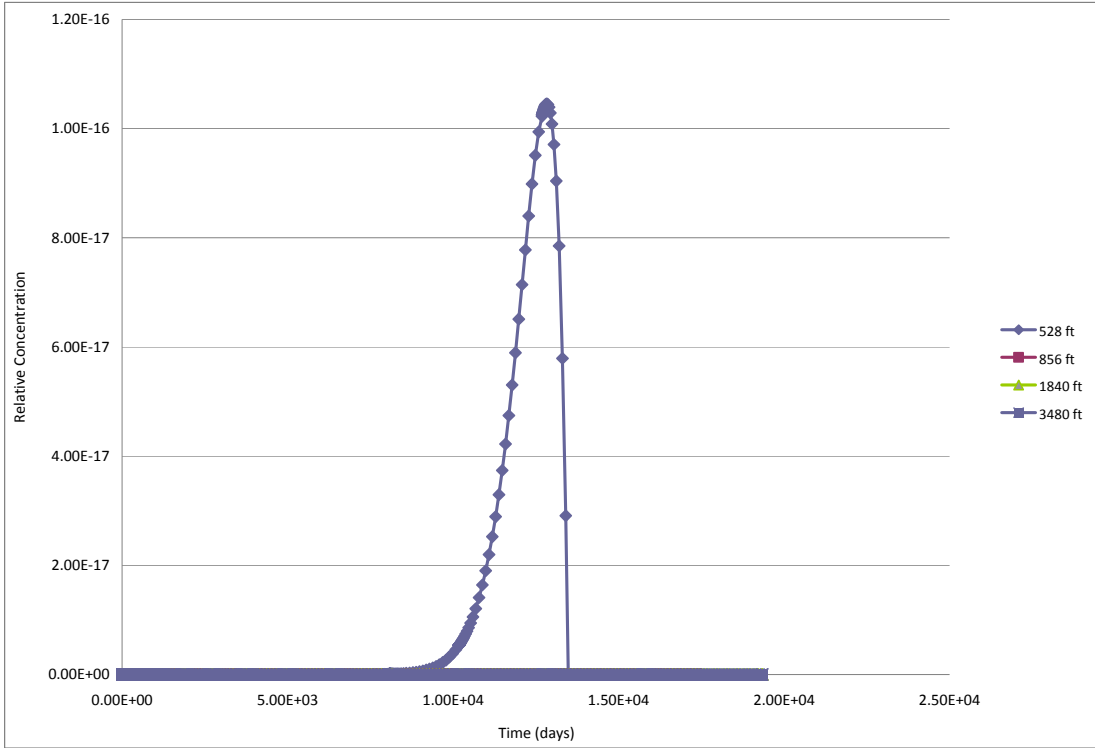
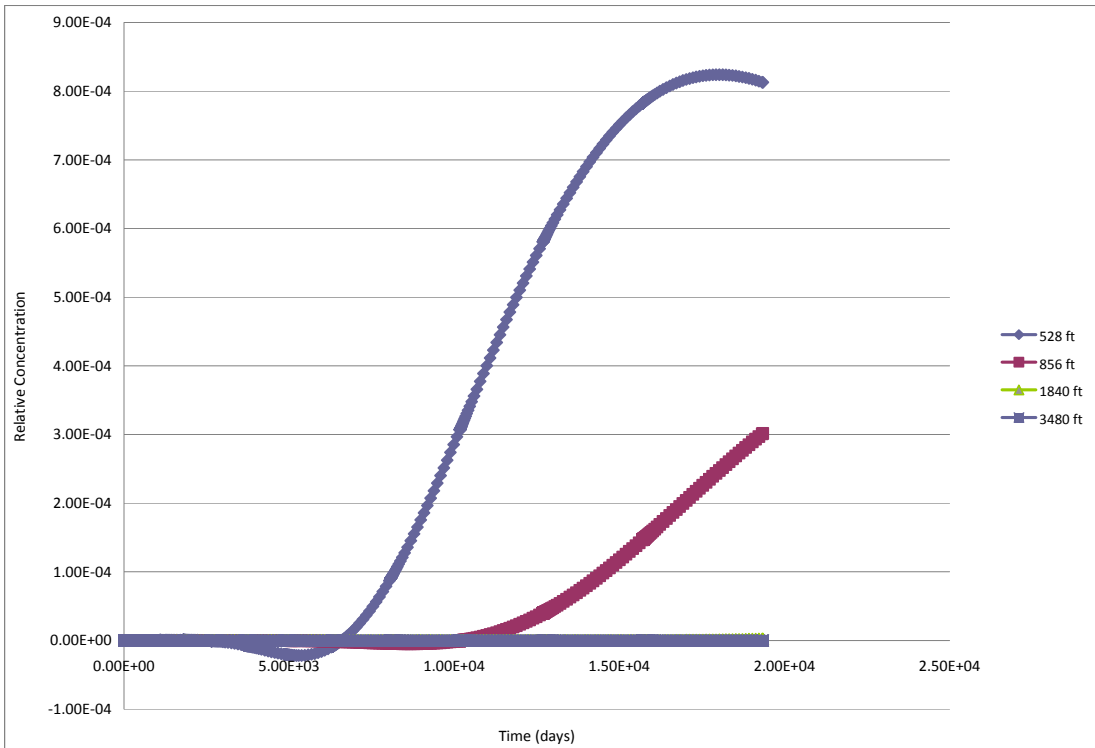


Figure C-42: Run 5f



**Figure C-43: Run 5g**



**Figure C-44: Run 5h**

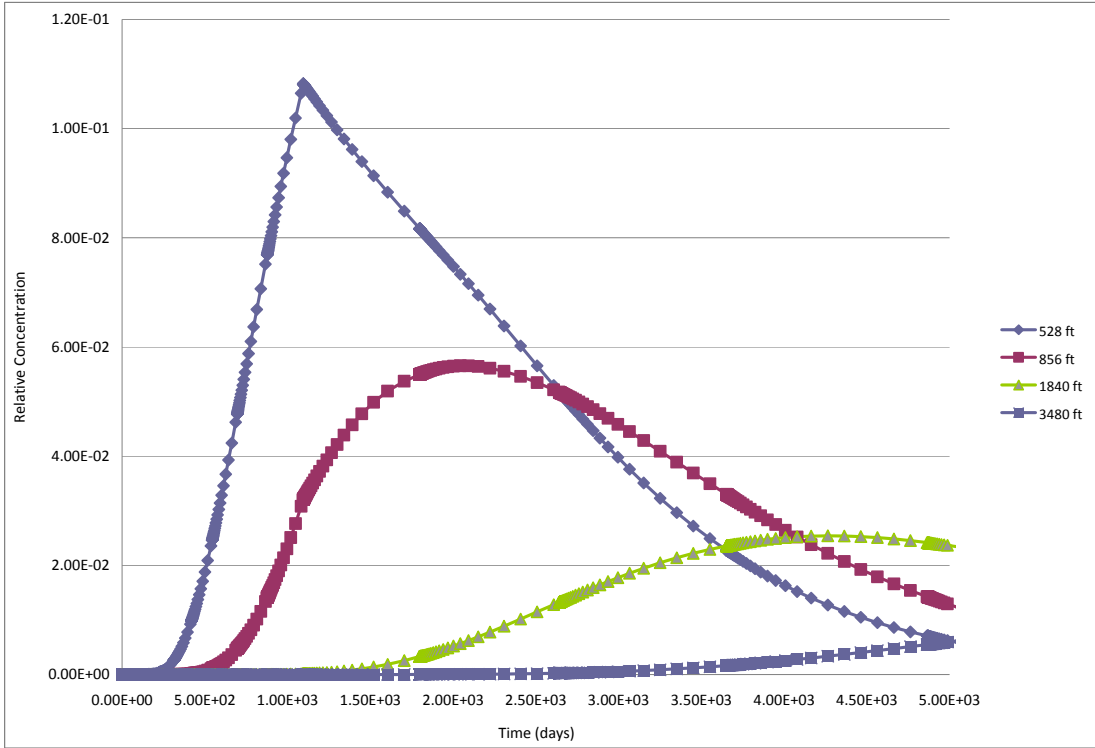


Figure C-45: Run 5i

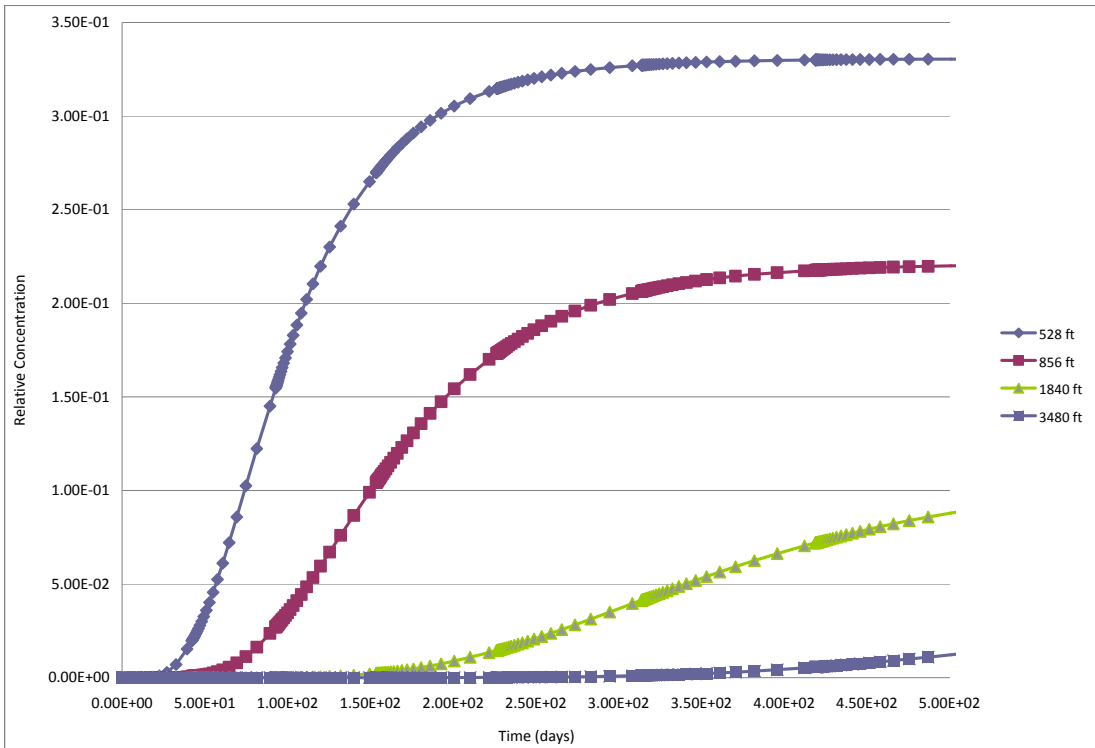
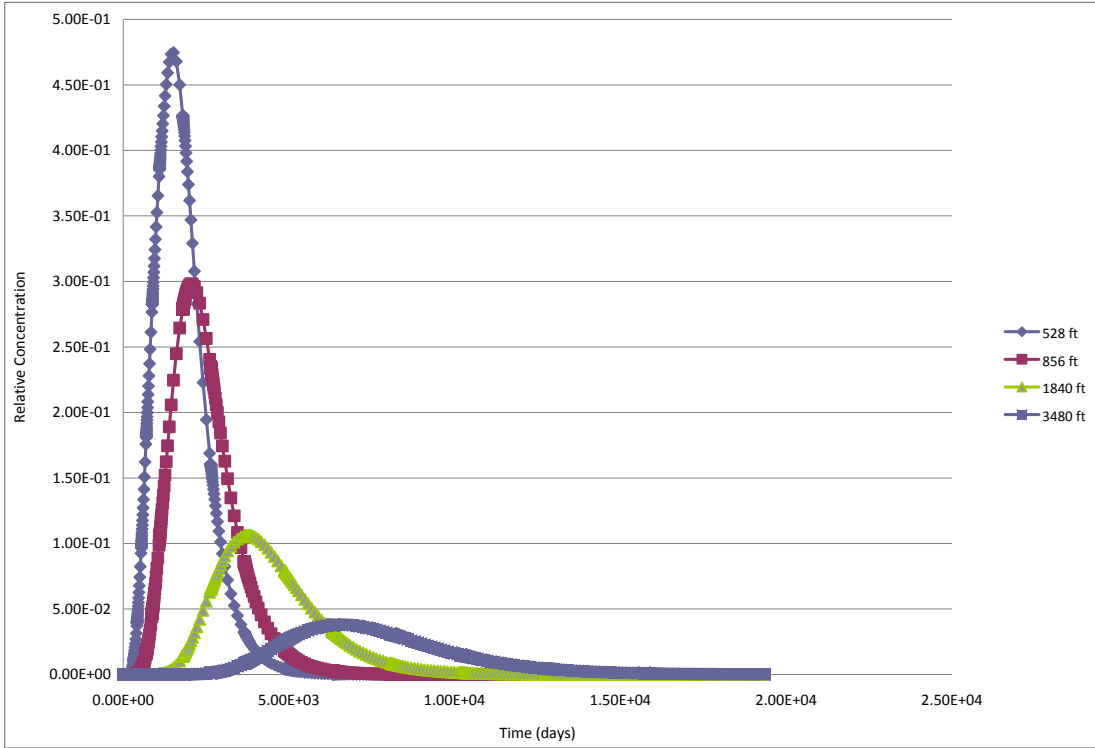
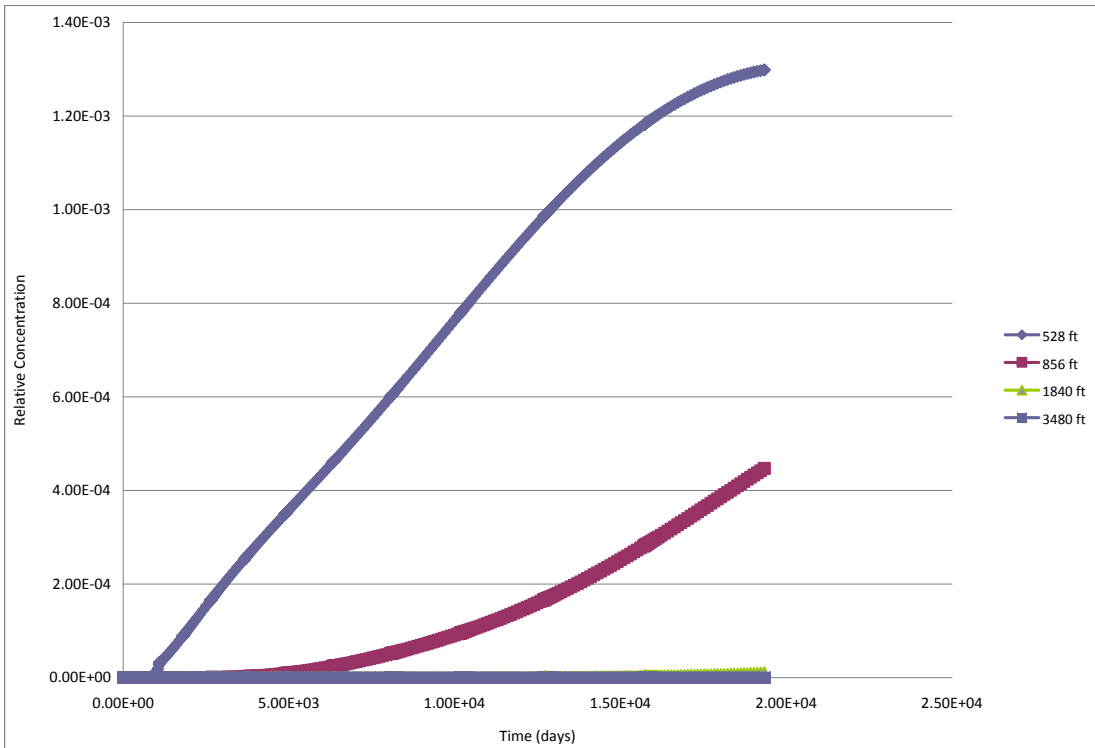


Figure C-46: Run 6a

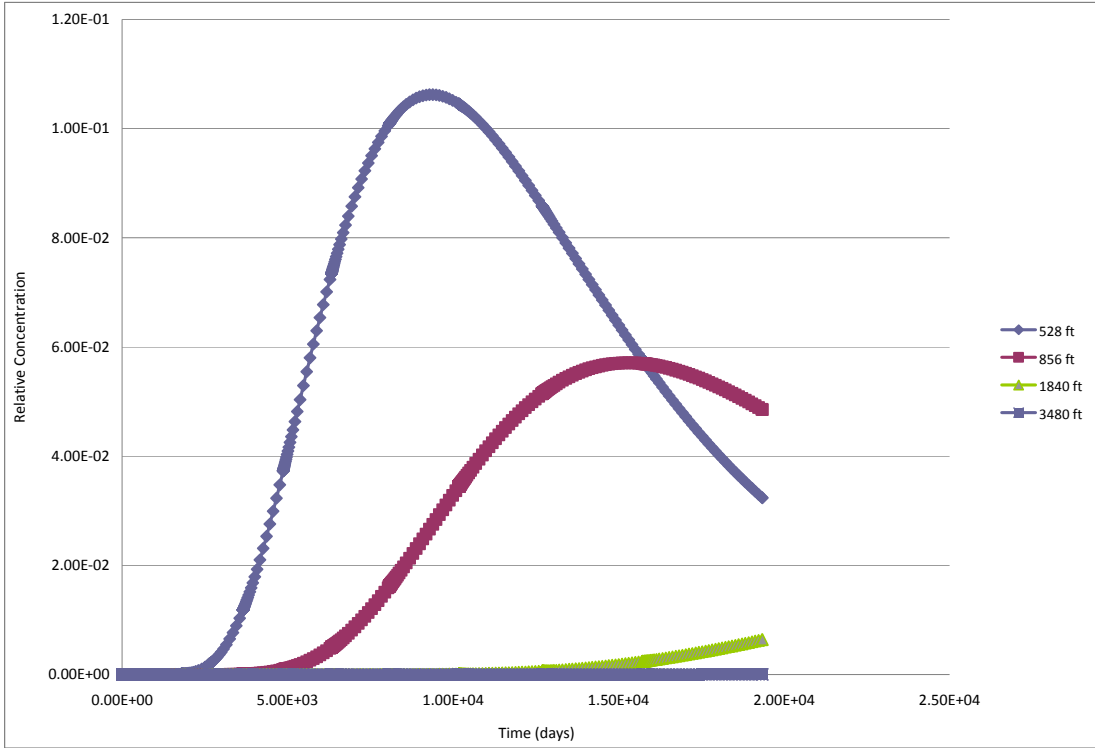




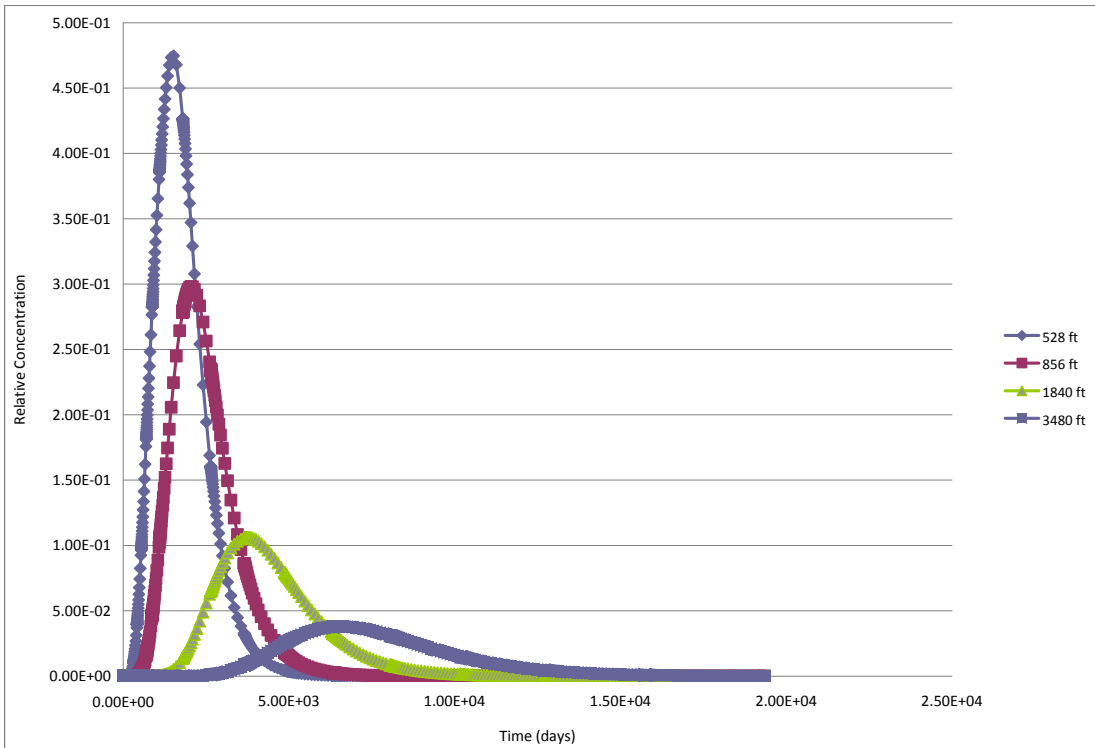
**Figure C-47: Run 6b**



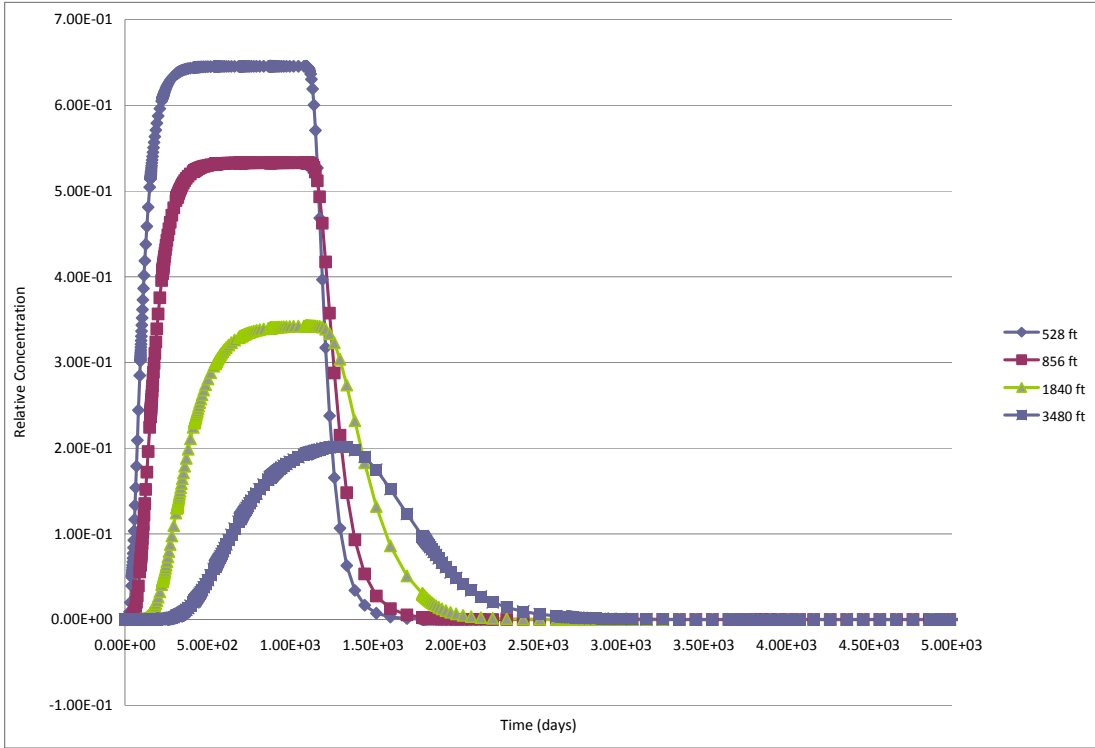
**Figure C-48: Run 6c**



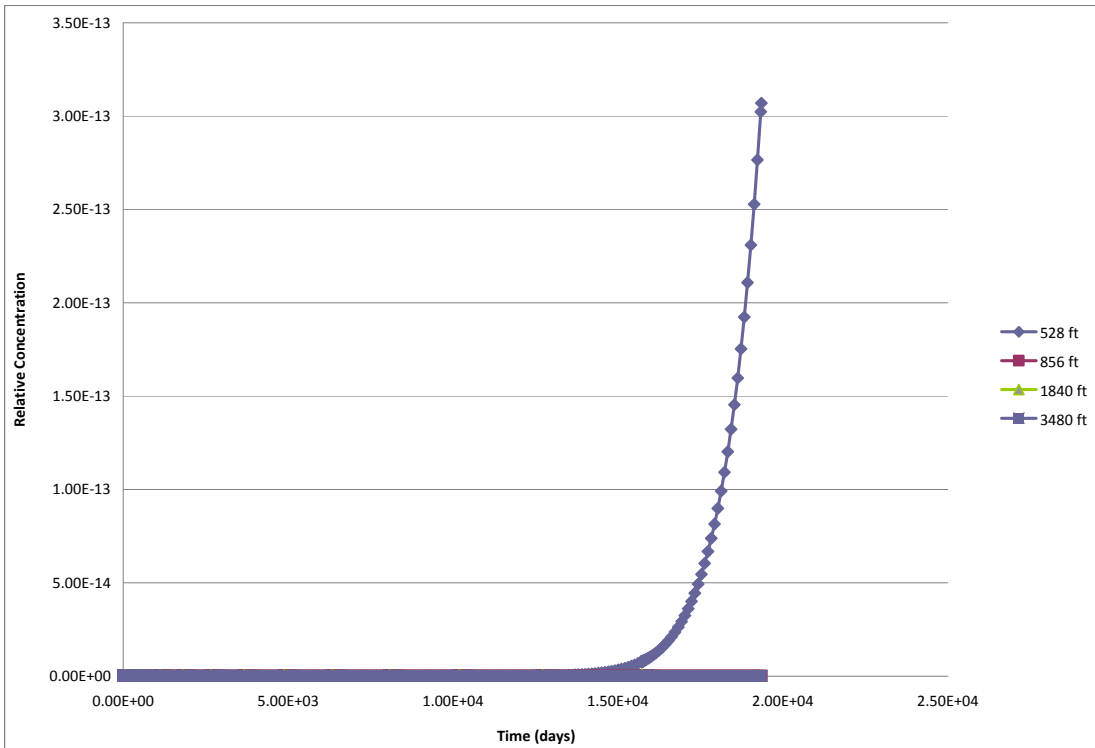
**Figure C-49: Run 6d**



**Figure C-50: Run 6e**



**Figure C-51: Run 6f**



**Figure C-52: Run 6g**

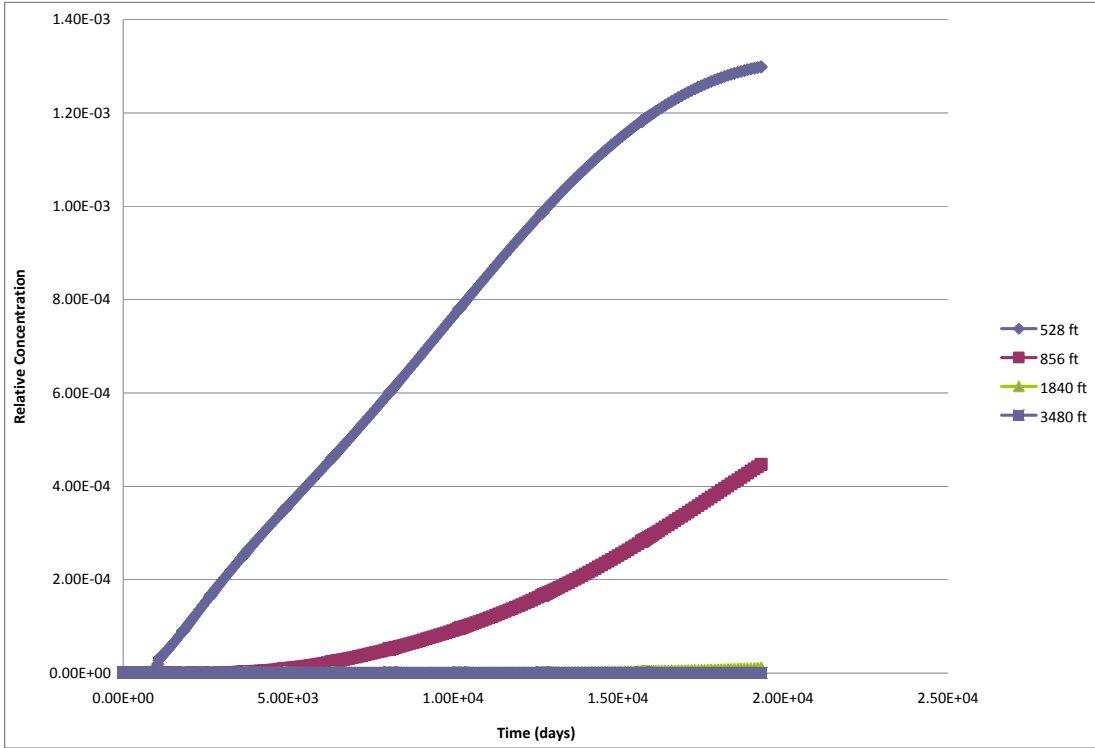


Figure C-53: Run 6h

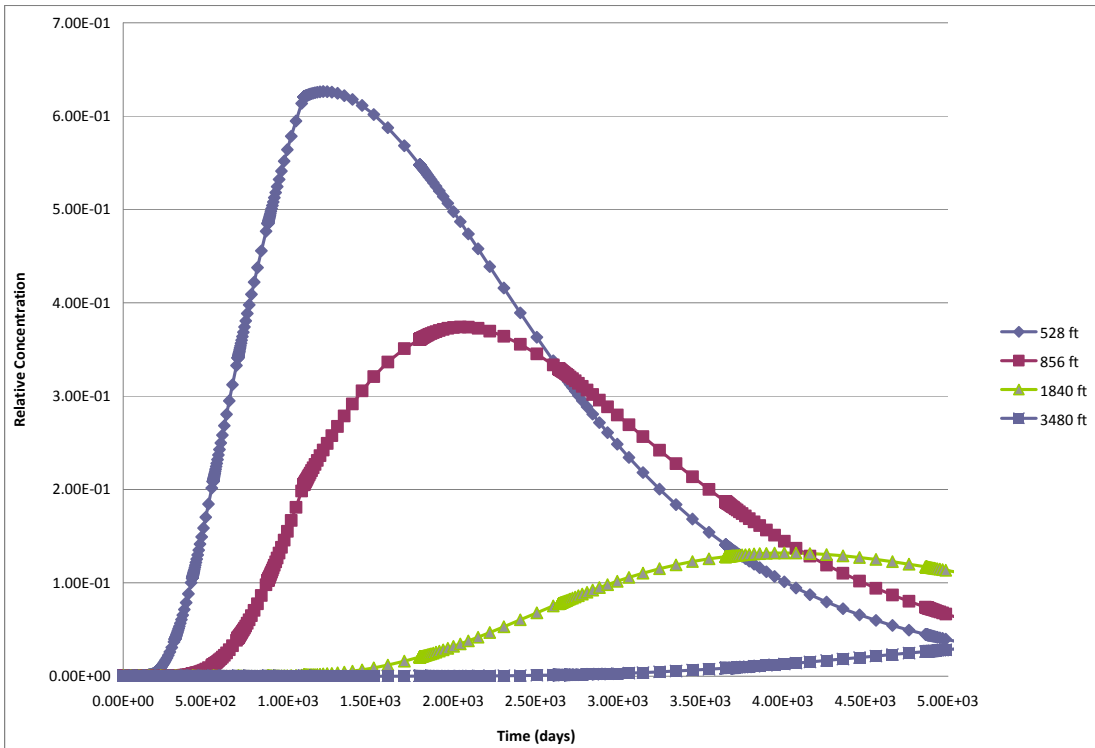


Figure C-54: Run 6i

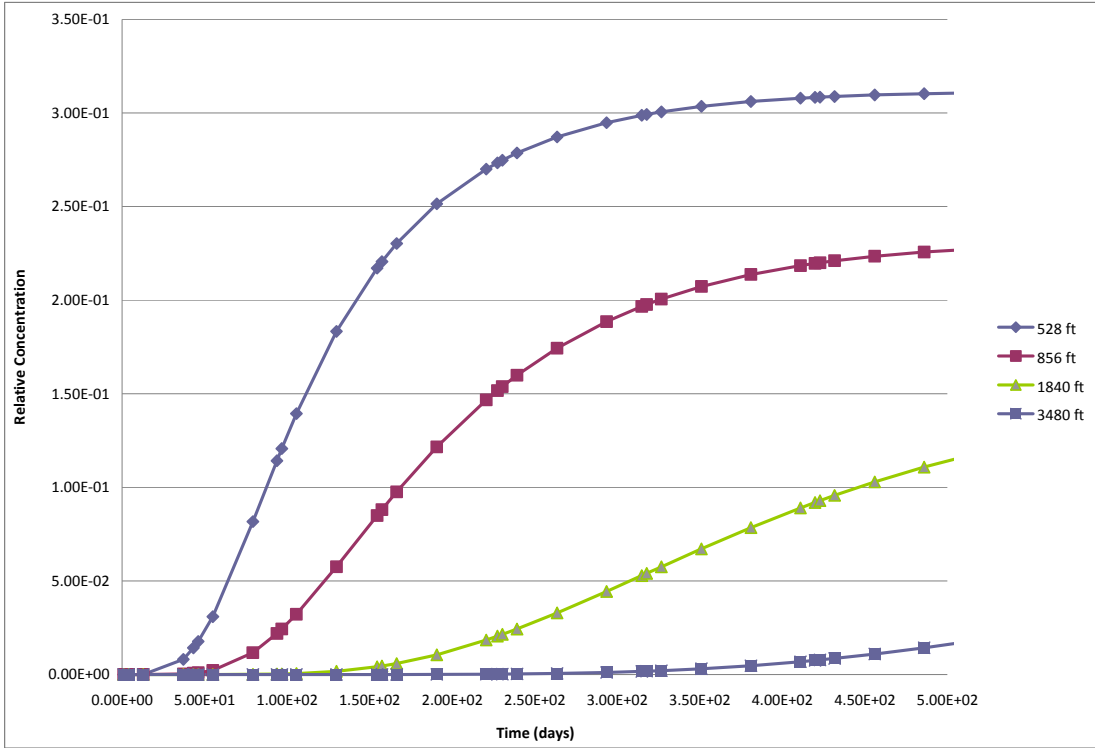


Figure C-55: Run 7a

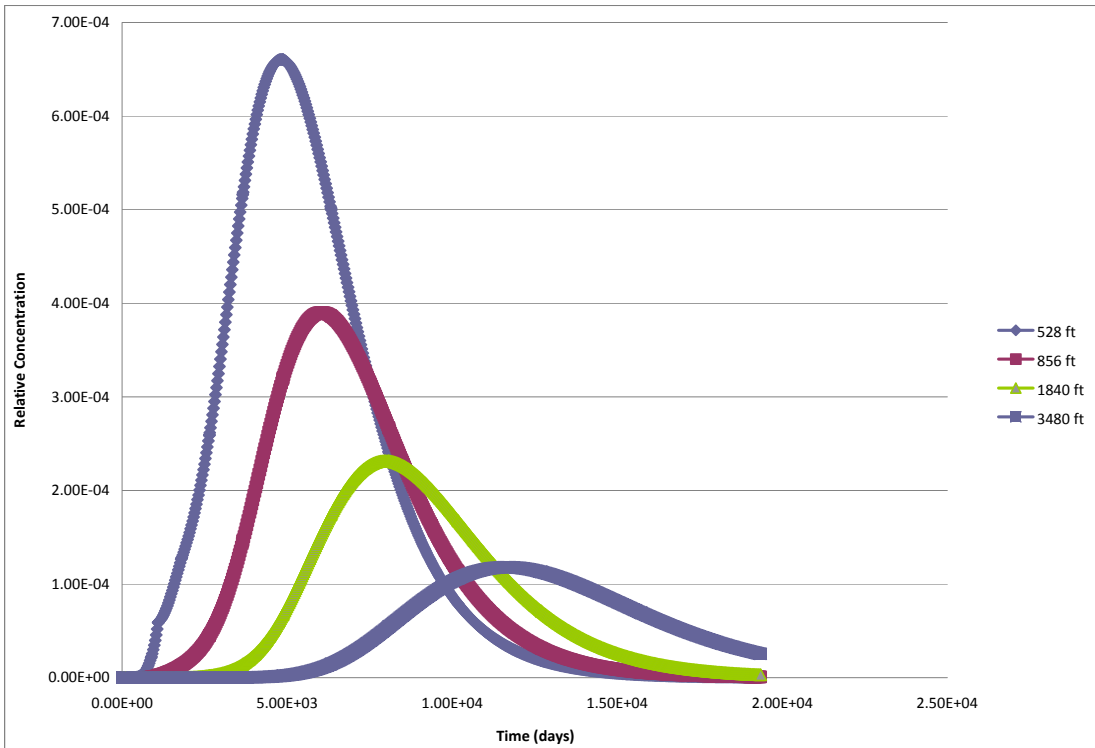


Figure C-56: Run 7b

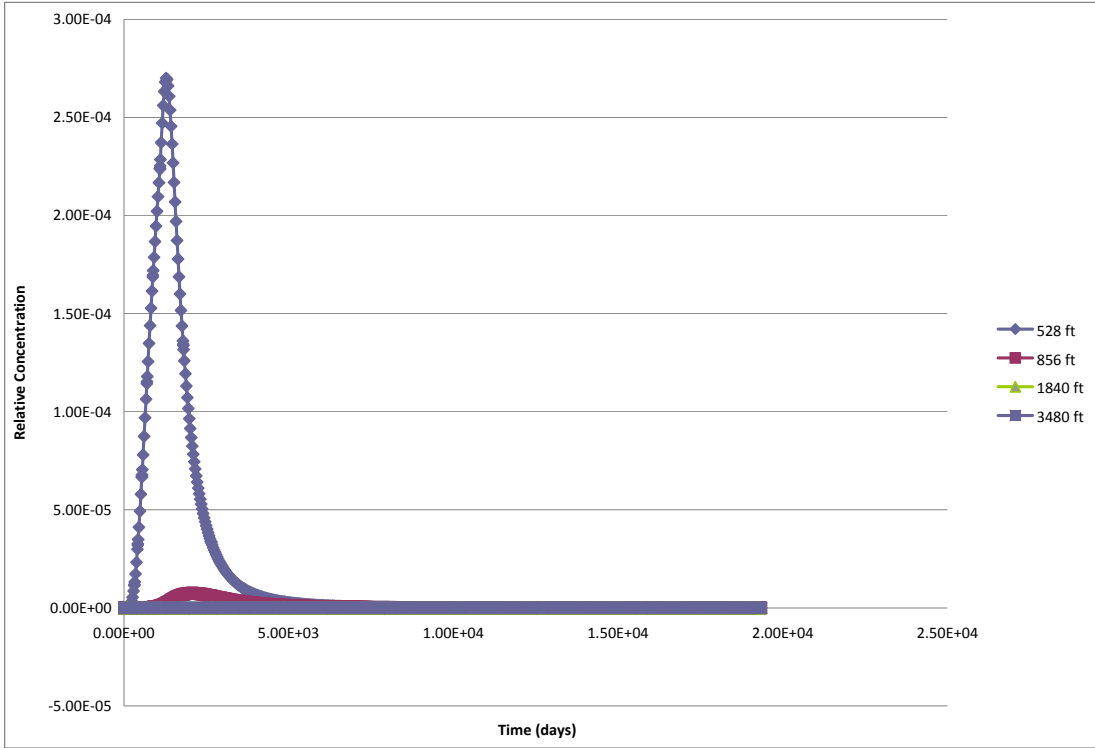


Figure C-57: Run 7c

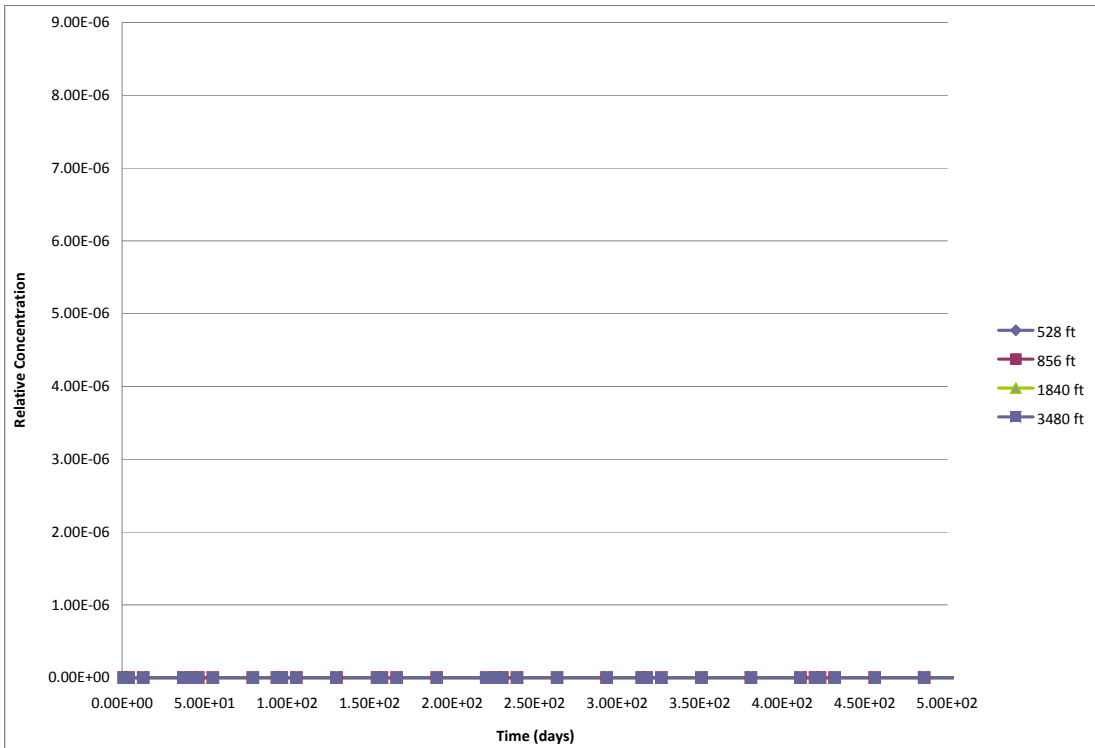
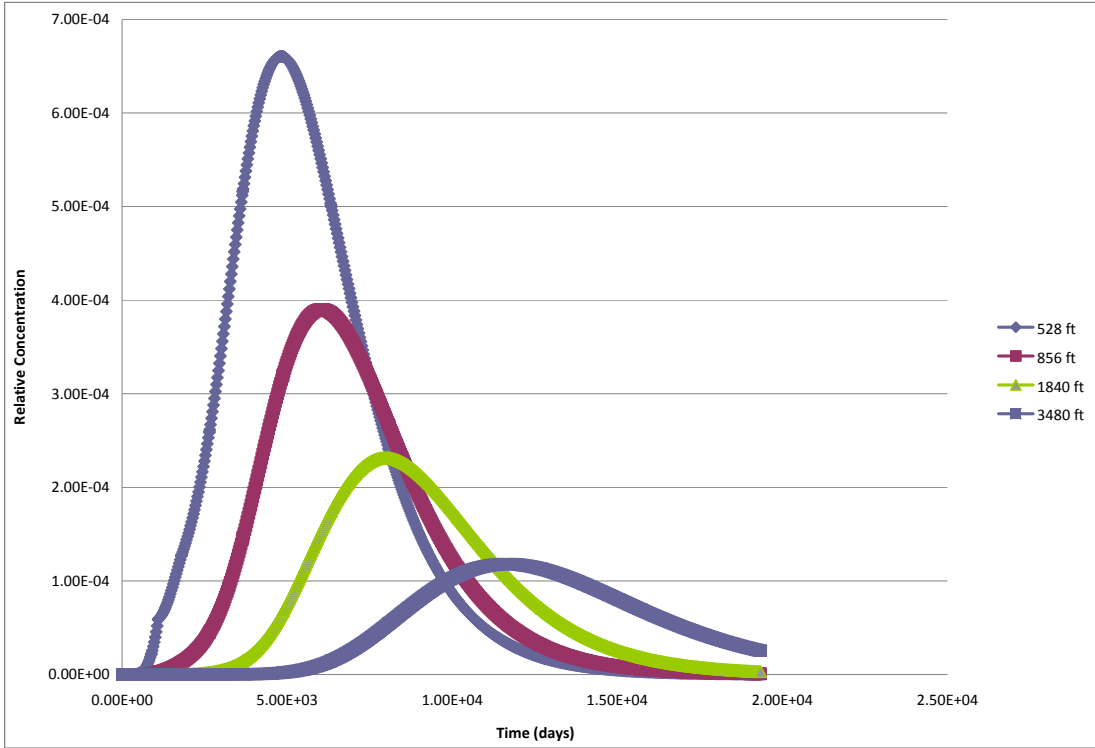
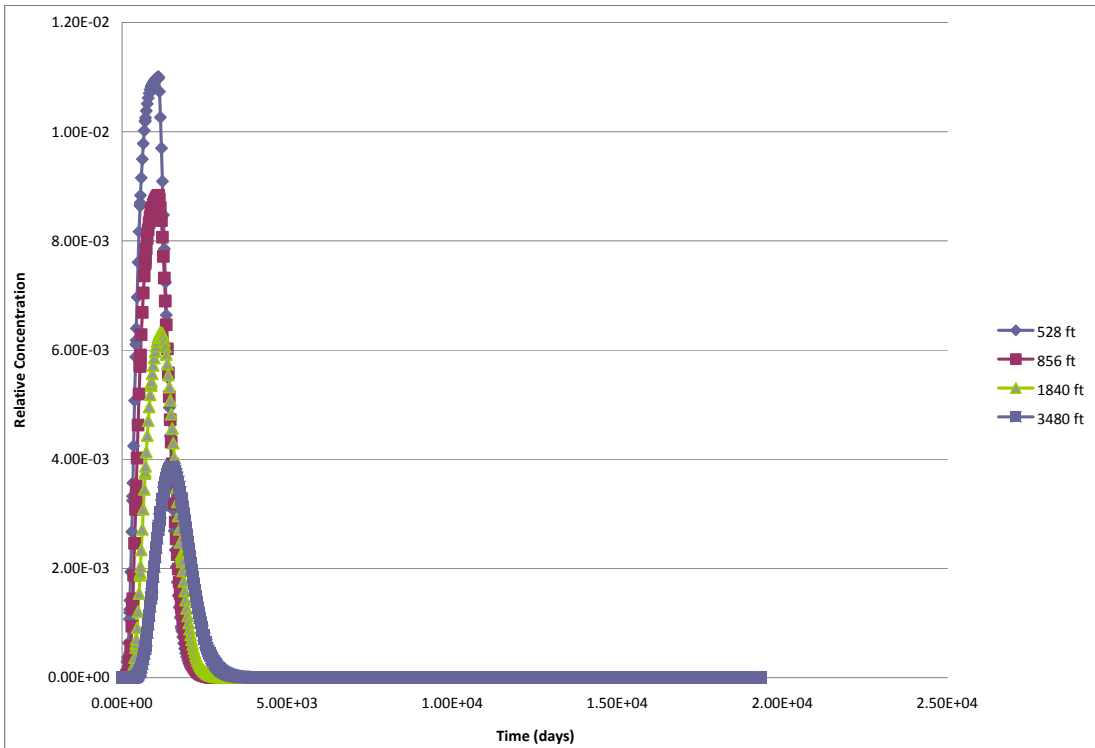


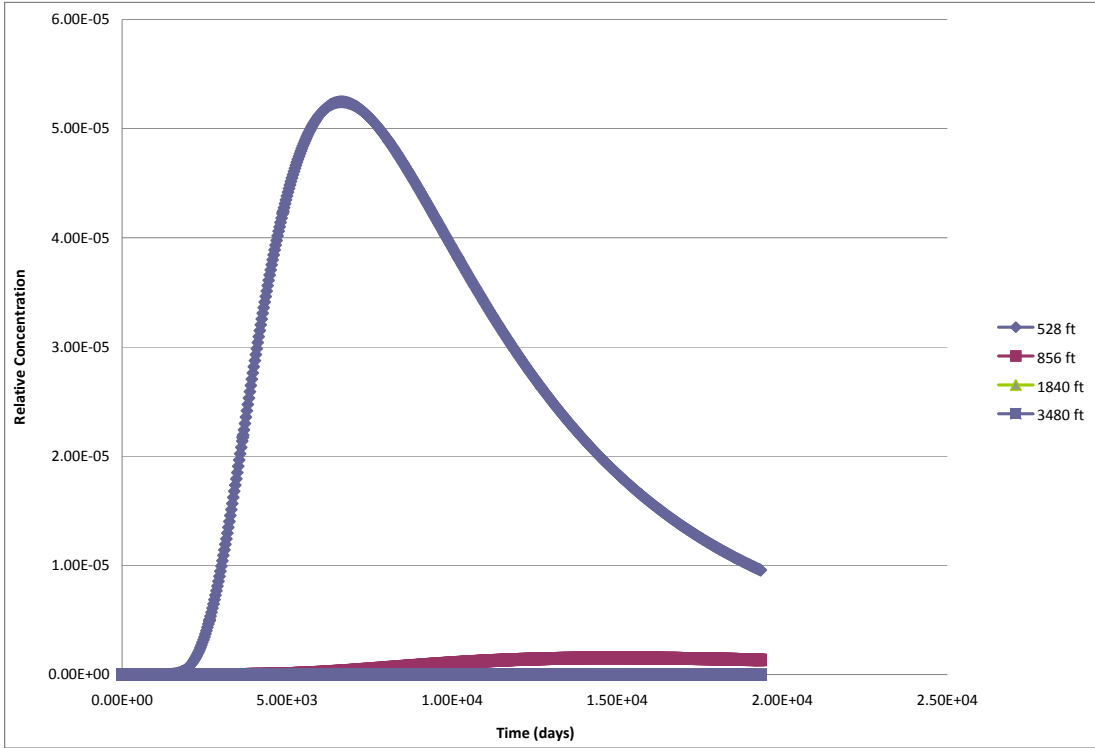
Figure C-58: Run 7d



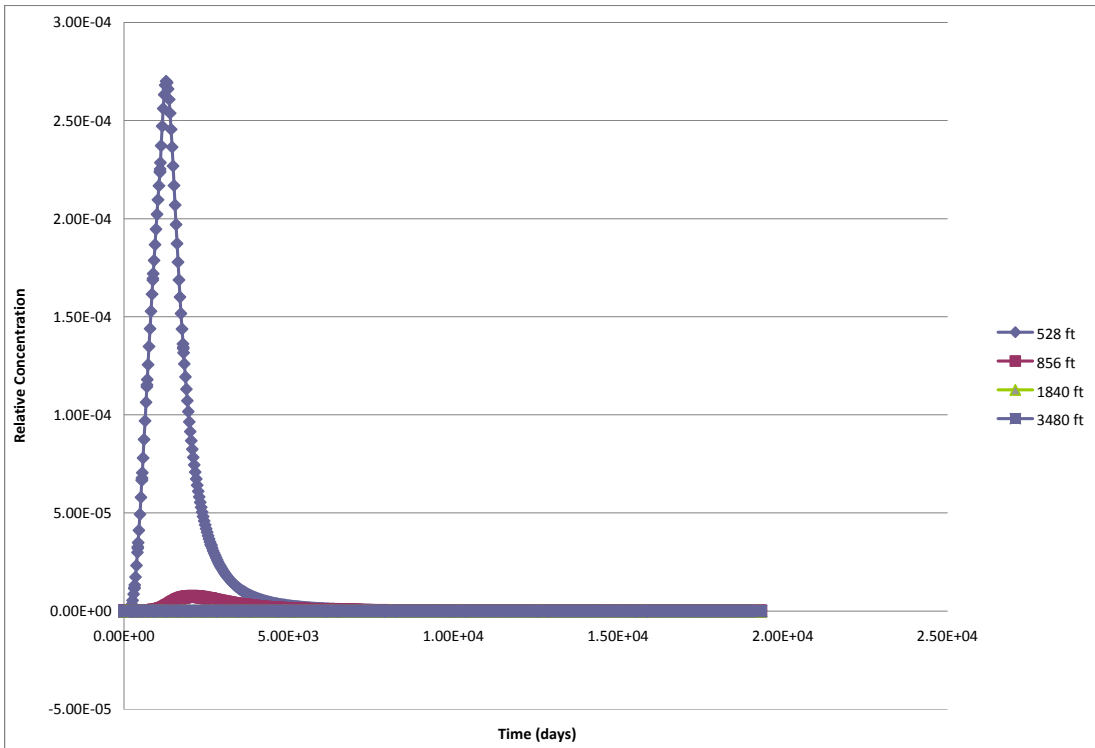
**Figure C-59: Run 7e**



**Figure C-60: Run 7f**

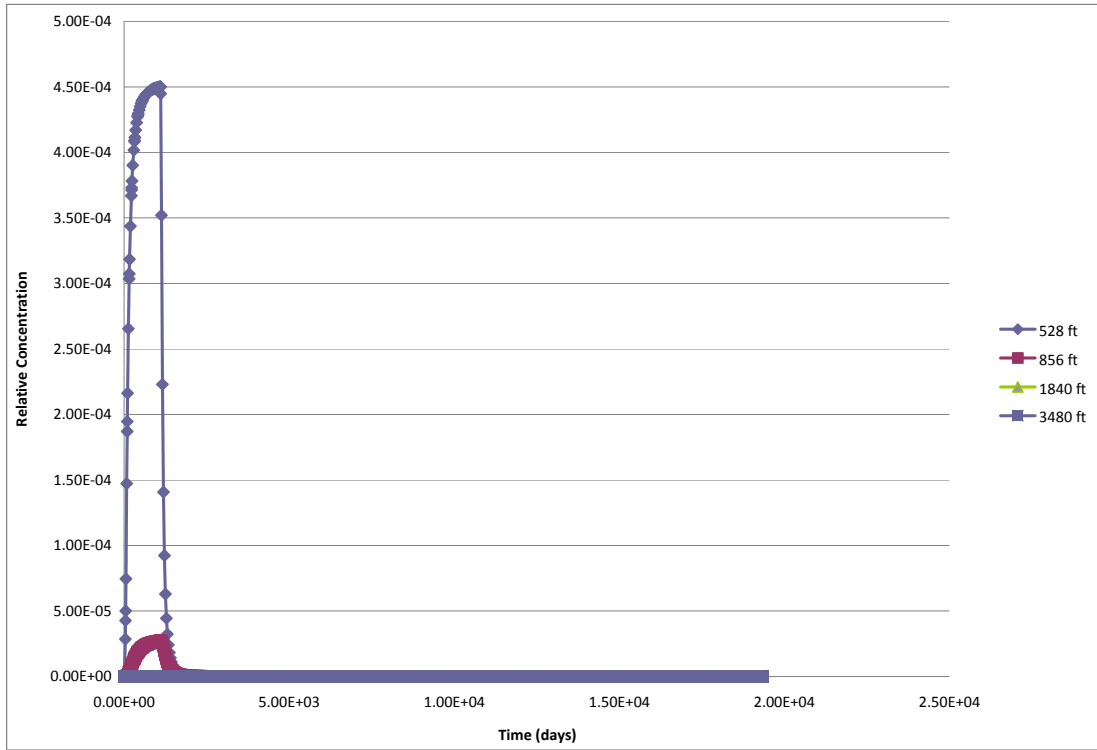


**Figure C-61: Run 7g**



**Figure C-62: Run 7h**





**Figure C-63: Run 7i**