

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

January 31, 2018

Jose Carmona Chief Financial Officer Radius Health, Inc. 950 Winter Street Waltham, Massachusetts 02451

Re: Radius Health, Inc.

Form 10-K for the Fiscal Year Ended December 31, 2016

Filed February 24, 2017 File No. 001-35726

Dear Mr. Carmona:

We have completed our review of your filings. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence by the staff.

Division of Corporation Finance Office of Healthcare & Insurance