ITEM 3.03 Material Modification to Rights of Securities Holders

As previously disclosed, on July 29, 2009, the Board of Directors of Astrotech Corporation (the "Company") declared a dividend of one preferred share purchase right (a "Right") for each outstanding share of common stock, no par value per share, of the Company. As previously disclosed, the description and terms of the rights are set forth in a Rights Agreement (the "Rights Agreement") between the Company and American Stock Transfer & Trust Company, LLC, as Rights Agent (the "Rights Agent"). Under the terms of the Rights Agreement, the Rights were to expire on August 10, 2010 (the "Expiration Date") unless the Expiration Date was extended or unless the Rights were earlier redeemed or exchanged by the Company. As previously disclosed, on July 29, 2010, the Company and the Rights Agent entered into Amendment One to the Rights Agreement, which extended the Expiration Date from August 10, 2010 to August 10, 2011. As previously disclosed, on August 10, 2011, the Company and the Rights Agent entered into Amendment Two to the Rights Agreement, which extended the Expiration Date from August 10, 2011 to August 10, 2012. As previously disclosed, on August 10, 2012, the Company and the Rights Agent entered into Amendment Three to the Rights Agreement, which extended the Expiration Date from August 10, 2012 to August 10, 2013. As previously disclosed, on August 6, 2013, the Company and the Rights Agent entered into Amendment Four to the Rights Agreement, which extended the Expiration Date from August 10, 2013 to August 10, 2014. As previously disclosed, on June 9, 2014, the Company and the Rights Agent entered into Amendment Five to the Rights Agreement, which extended the Expiration Date from August 10, 2014 to August 10, 2015, amended and restated the definition of "Acquiring Person" to cure an ambiguity and amended and restated Section 27 to provide that, until the Distribution Date (as defined in the Rights Agreement), the Board of Directors may supplement the Rights Agreement without the approval of any holders of certificates evidencing the Rights. As previously disclosed, on August 5, 2015, the Company and the Rights Agent entered into Amendment Six to the Rights Agreement, which extended the Expiration Date from August 10, 2015 to August 10, 2016 and decreased the Purchase Price for each one one-thousandth of a share of the Company's Series D Junior Participating Preferred Stock purchasable pursuant to the exercise of a Right as provided in the Rights Agreement from \$6.50 to \$3.06.

On August 4, 2016, the Company and the Rights Agent entered into Amendment Seven to the Rights Agreement (the "Amendment"), which extends the Expiration Date from August 10, 2016 to August 10, 2017 and decreases the Purchase Price for each one one-thousandth of a share of the Company's Series D Junior Participating Preferred Stock purchasable pursuant to the exercise of a Right as provided in the Rights Agreement from \$3.06 to \$2.29.

The foregoing description of the Amendment does not purport to be complete and is qualified in its entirety by reference to the Amendment, which is incorporated by reference herein as Exhibit 4.1.

ITEM 9.01 Financial Statements and Exhibits

(d) Exhibits:

Exhibit No. Description

Amendment Seven to Rights Agreement, dated as of August 4, 2016, between Astrotech Corporation and American Stock Transfer & Trust Company, LLC, as Rights Agent.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ASTROTECH CORPORATION (Registrant)

Date: August 8, 2016

By:

Thomas B. Pickens III Chairman of the Board

and Chief

Executive Officer

EXHIBIT INDEX

Exhibit Description Paper (P) or No.

4.1 Amendment Seven to Rights Agreement, dated as of August 4, 2016, between Astrotech Corporation and American Stock Transfer & Trust Company, LLC, as Rights Agent.