HPLC Application

ID No.: **19662**

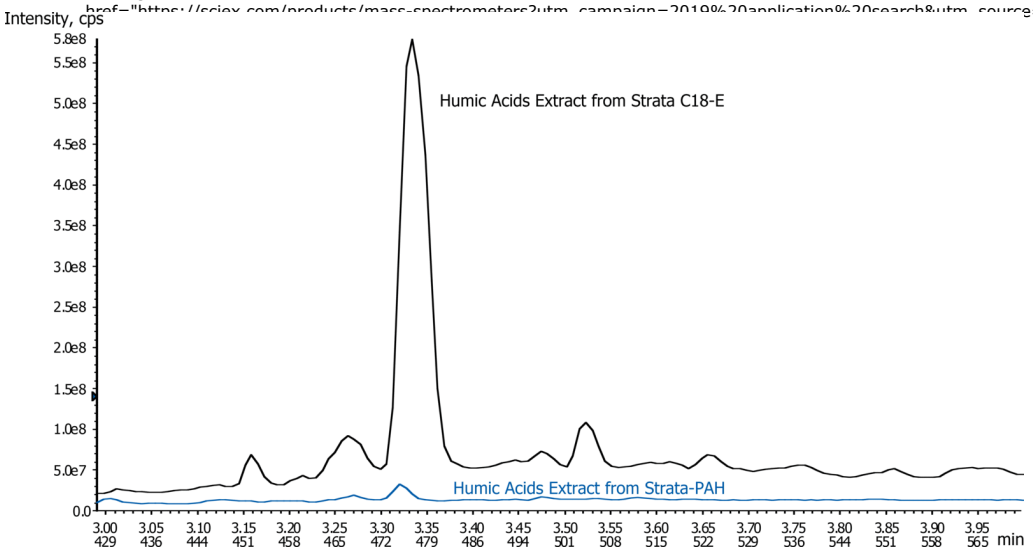
Humic Acids using Kinetex C8 50x2.1 mm on ABI LC-MS 4000

Column: Kinetex® 2.6 µm C8 100 Å, LC Column 50 x 2.1 mm, Ea
Dimensions: 50 x 2.1 mm ID
Order No: 00B-4497-AN
Elution Type: Gradient
Eluent A: 5mM Ammoniium Acetate
Eluent B: Methanol

Gradient Profile:

Step No.	Time (min)	Pct A	Pct B
1	0	85	15
2	2	5	95
3	6	5	95
4	6.01	85	15

Flow Rate: 0.4 mL/min
Col. Temp.: ambient
Detection: Mass Spectrometer (MS) @ 580.4 amu (ambient)
Detector Info: <a target="_blank"
href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX<,



ANALYTES:

1 Humic acids

Retention Time: 3.33 min

For more information contact your Phenomenex Representative at support@phenomenex.com

Phenomenex products are available worldwide.

Sample Preparation Details

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PRODUCT DESCRIPTION:

Strata® PAH, 1.5 g / 6 mL, Tubes , 30/Pk

Order No.: 8B-S130-7CH

SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

Note: The solvent volumes shown below are for a 1.5 g bed mass.
The solvent volumes will need to be adjusted for a smaller or larger bed mass.

Condition:

Load:

Wash:

Dry:

15 seconds

Elute:

Final Prep and Analysis:

Inject: 0 µL on HPLC Mass Spectrometer (MS) @ 580.4 amu (ambient)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 Humic acids	0				

Note: *This method is designed as a convenient starting point for further investigation and can be tailored to meet your extraction goals. Call your local Phenomenex Representative for assistance in method development and optimization techniques.*