

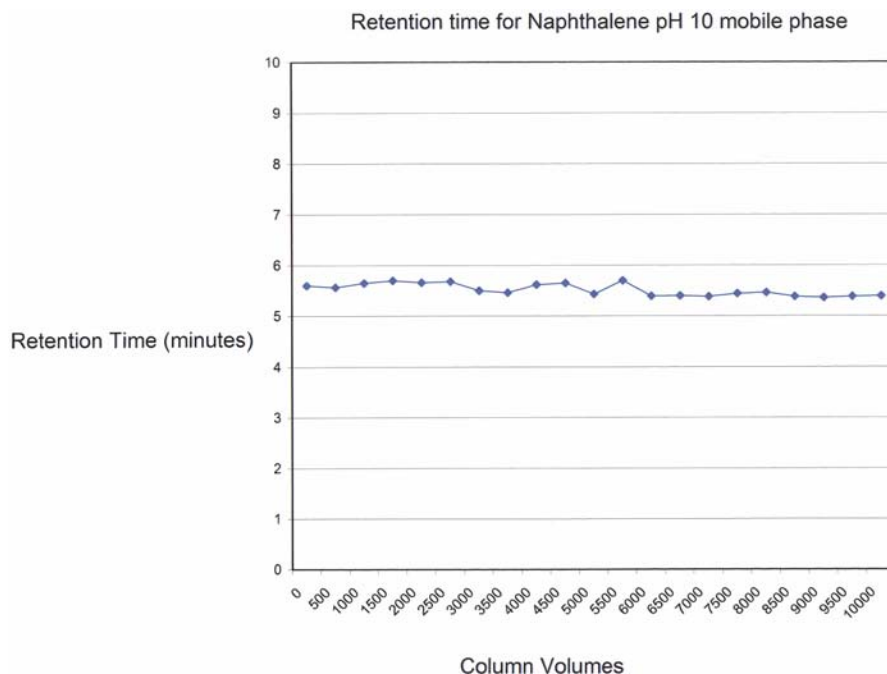


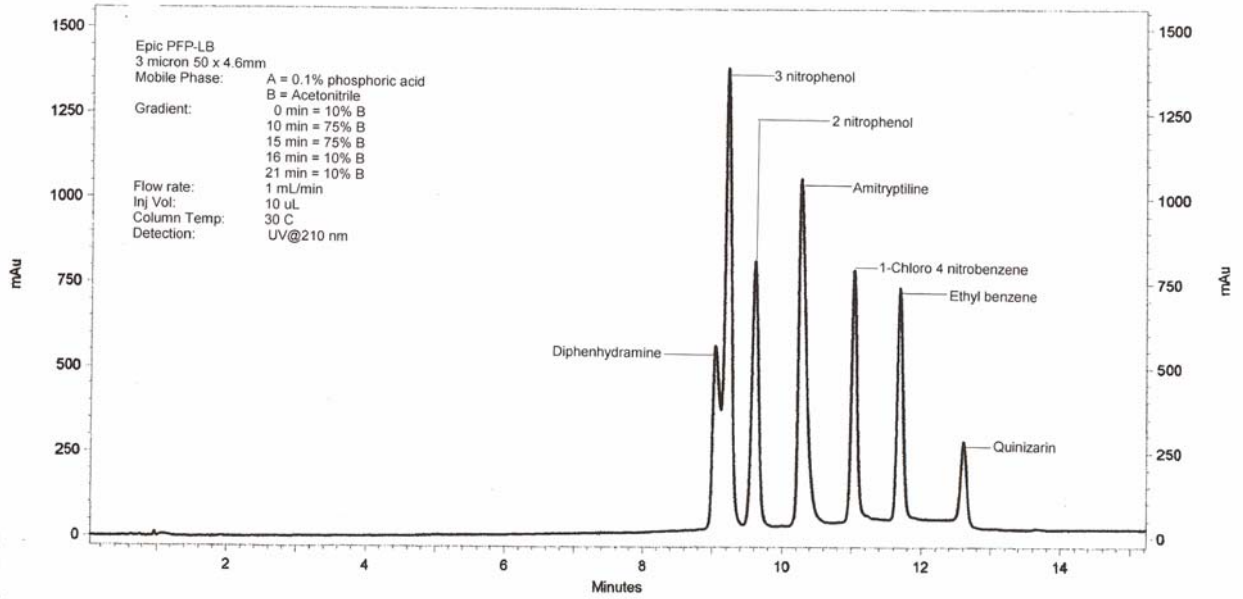
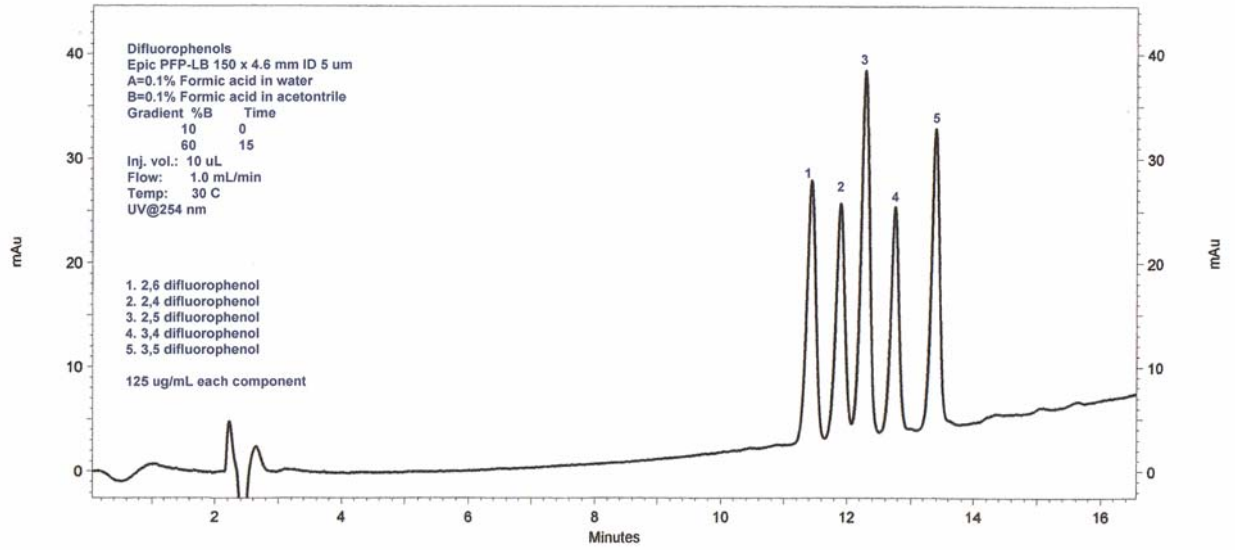
Epic™ PFP-LB / Epic™ FO-LB HPLC Columns

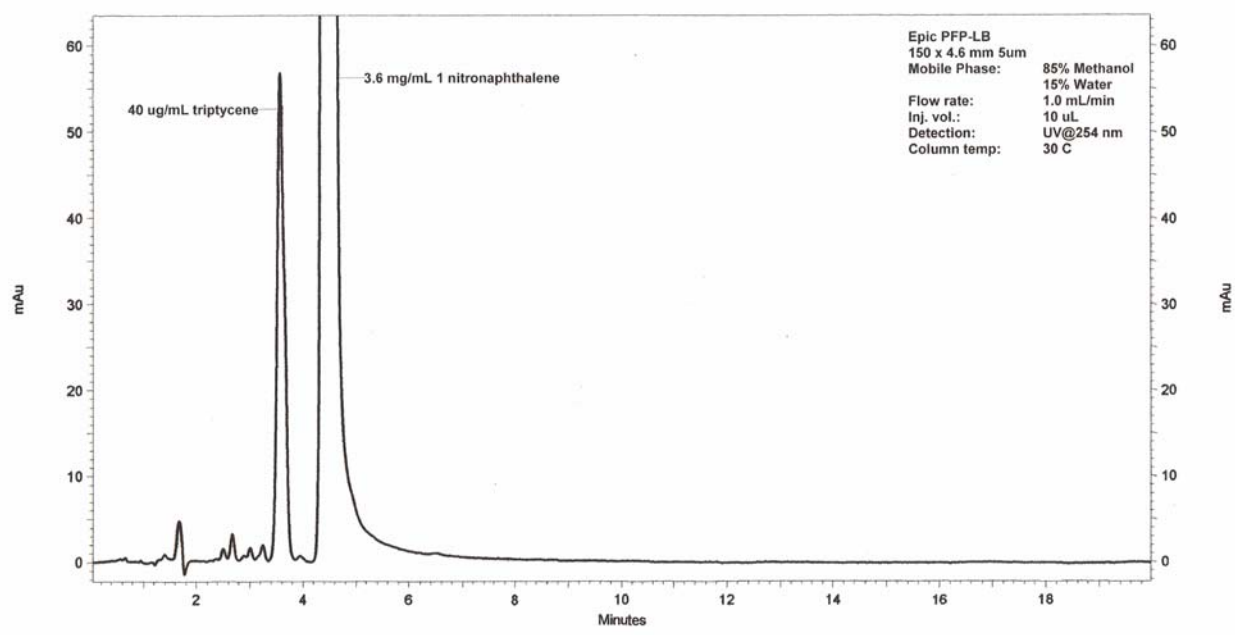
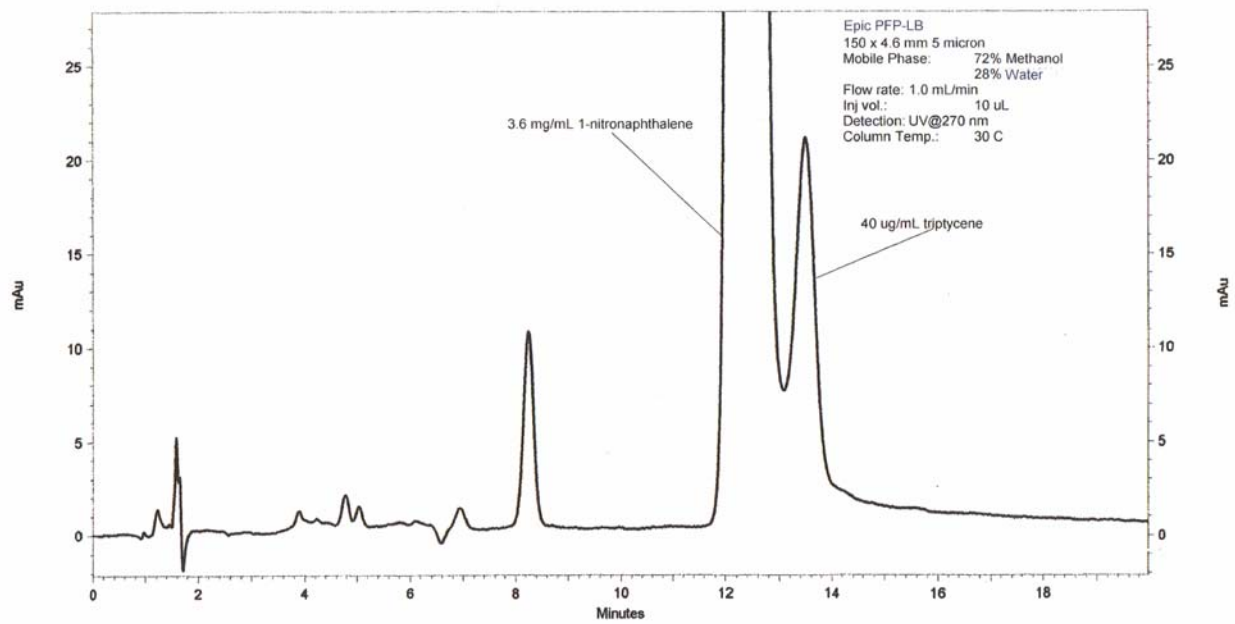
Application News

701 South Route 73 • West Berlin, New Jersey 08091-2621 • (856) 753-8400 • Fax (856) 753-8484

ES Industries is pleased to offer a new line of fluorinated HPLC columns – Epic PFP-LB and Epic FO-LB. ES Industries is the leader in development and commercialization of fluorinated stationary phases for HPLC. Fluorinated phases are able to perform many unique and difficult separations which could not be performed on the best available C18 columns. Fluorinated phases have traditionally suffered from poor column lifetimes, unstable baselines and column bleed especially when used with mass spectrometry (MS). At ES Industries we have developed a new line of fluorinated phases the Epic LB (low bleed) series. These columns have been stabilized to provide low column bleed, increased lifetimes, better pH stability (pH range 1 – 10, see figure below) and superior LC-MS performance. The Epic PFP-LB is a pentafluorophenyl that has been baseline stabilized and is ready for high performance separations for a number of applications including the separation of natural products, halogenated compounds, aromatics, conjugated compounds and trace impurities in complex matrices. Many of these high performance separations were not possible with existing PFP columns especially in the area of trace impurities where baseline bleed levels were unacceptable. To compliment the new Epic PFP-LB we are pleased to introduce a baseline stabilized alkyl perfluorinated C8 – Epic FO-LB. With its low bleed characteristics Epic FO-LB is well suited to the separation of trace impurities especially for halogenated analytes, lipophilic compounds and environmental samples.







ES Industries Epic PFP-LB / Epic FO-LB

To order call: 800-356-6140

Epic™ PFP-LB

<u>PFP-LB 3 micron</u>	<u>4.6mm ID</u>	<u>3.2mm ID</u>	<u>2.1mm ID</u>
5cm	115191-EPFP-LB	11d191-EPFP-LB	112191-EPFP-LB
10cm	125191-EPFP-LB	12d191-EPFP-LB	122191-EPFP-LB
15cm	135191-EPFP-LB	13d191-EPFP-LB	132191-EPFP-LB

<u>PFP-LB 5 micron</u>	<u>4.6mm ID</u>	<u>3.2mm ID</u>	<u>2.1mm ID</u>
5cm	115291-EPFP-LB	11d291-EPFP-LB	112291-EPFP-LB
10cm	125291-EPFP-LB	12d291-EPFP-LB	122291-EPFP-LB
15cm	135291-EPFP-LB	13d291-EPFP-LB	132291-EPFP-LB
25cm	155291-EPFP-LB	15d291-EPFP-LB	152291-EPFP-LB

Epic™ FO-LB

<u>FO-LB 3 micron</u>	<u>4.6mm ID</u>	<u>3.2mm ID</u>	<u>2.1mm ID</u>
5cm	115191-EFO-LB	11d191-EFO-LB	112191-EFO-LB
10cm	125191-EFO-LB	12d191-EFO-LB	122191-EFO-LB
15cm	135191-EFO-LB	13d191-EFO-LB	132191-EFO-LB

<u>FO-LB 5 micron</u>	<u>4.6mm ID</u>	<u>3.2mm ID</u>	<u>2.1mm ID</u>
5cm	115291-EFO-LB	11d291-EFO-LB	112291-EFO-LB
10cm	125291-EFO-LB	12d291-EFO-LB	122291-EFO-LB
15cm	135291-EFO-LB	13d291-EFO-LB	132291-EFO-LB
25cm	155291-EFO-LB	15d291-EFO-LB	152291-EFO-LB

Chromegabond® Guard Columns

<u>Part Number</u>	<u>Description</u>
300100	Guard Cartridge Holder
300106	Universal Coupler, .005", PEEK Tube
300101-EPFP-LB	1cm X 3.2mm Guard Cartridges / Pack of 5
300101-EFO-LB	1cm X 3.2mm Guard Cartridges / Pack of 5

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