

Analysis of Antiretroviral Drugs on Raptor Biphenyl by LC-MS/MS

Peaks	t _R (min)	Precursor Ion	Product Ion	Product Ion
1. Ganciclovir	0.57	256.0	152.1	134.9
2. Lamivudine	0.85	230.0	112.0	95.1
3. Zidovudine	1.54	268.1	127.2	110.1
4. Nevirapine	2.16	267.3	225.9	196.9
5. Efavirenz	2.67	316.1	243.8	168.1
6. Ritonavir	2.99	721.5	140.1	296.0

Column Raptor Biphenyl (cat.# 9309A52)

Dimensions: 50 mm x 2.1 mm ID

Particle Size: 2.7 μm

Por Size: 90 Å

Temp.: 30 °C

Sample Custom mix

Diluent: Water + 0.01% acetic acid

Conc.: 100 ng/mL

Inj. Vol.: 2 μL

Mobile Phase

A: Water + 0.01% acetic acid

B: Methanol + 0.01% acetic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.8	98	2
3.00	0.8	0	100
3.20	0.8	0	100
3.21	0.8	98	2
5.00	0.8	98	2

Max Pressure: 500 bar

Detector MS/MS

Ion Mode: ESI+

Mode: Scheduled MRM

Instrument UHPLC

