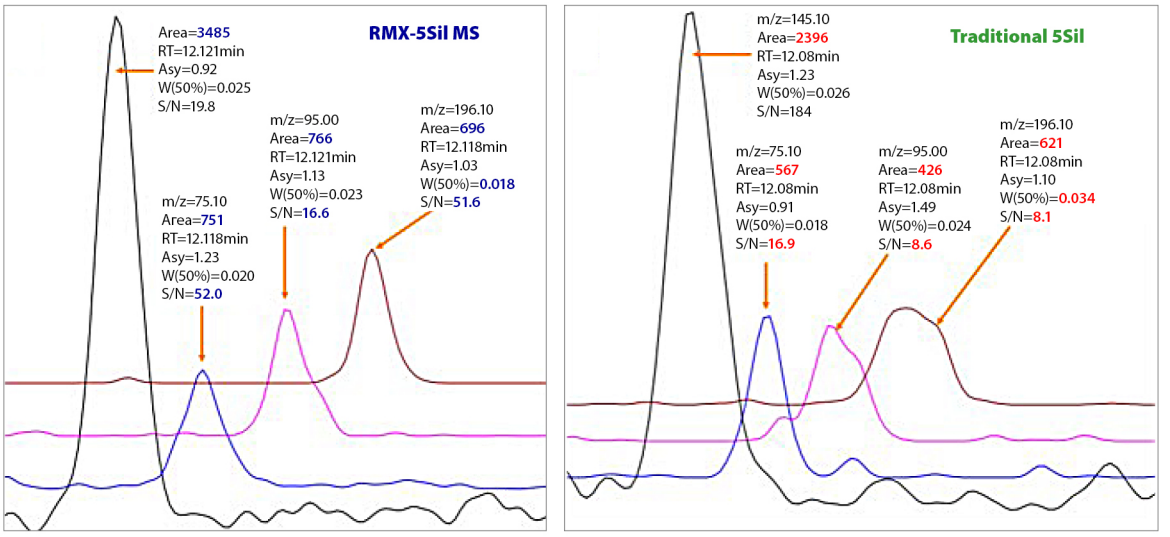
Now Foods Figure 5: Compared Traditional 5sil Columns to RMX-5Sil MS for Fluopyram in Raw Pecans at 10 ppb



GC_FS0622

Peaks	t_R (min)	Conc. (ng/mL)	Precursor	Product	Collision Energy
1. Fluopyram	12.007	10	173	75.1	40
2. Fluopyram	12.007	10	173	95	25
3. Fluopyram	12.007	10	173	145.1	15
4. Fluopyram	12.007	10	223	196.1	15

Column	RMX-5Sil MS GC capillary column with 5 m Integra-Guard & Integra-Transfer Line, 30 m, 0.25 mm ID, 0.25 µm (cat.# 17323-124177)
Standard/Sample	Custom standards
Conc.:	10 pg on-column concentration
Injection	
Inj. Vol.:	1 µL splitless (hold 0.8 min)
Liner:	Topaz 4.0 mm ID single taper liner w/wool (cat.# 23447)
Inj. Temp.:	260 °C
Purge Flow:	60 mL/min
Oven	
Oven Temp.:	40 °C (hold 1.5 min) to 90 °C at 40 °C/min (hold 1.5 min) to 180 °C at 40 °C/min to 250 °C at 10 °C/min to 280 °C at 5 °C/min to 320 °C at 10 °C/min (hold 5 min)
Carrier Gas	He, constant flow
Flow Rate:	1.4 mL/min
Linear Velocity:	32 cm/sec @ 40 °C
Dead Time:	1.56 min @ 40 °C
Detector	Thermo Scientific TSQ 9610 Triple Quadrupole GC-MS
Transfer Line Temp.:	280 °C
Analyzer Type:	Quadrupole
Tune Type:	PFTBA
Ionization Mode:	EI
Instrument	Thermo Scientific Trace 1610 GC
Acknowledgement	NOW Foods