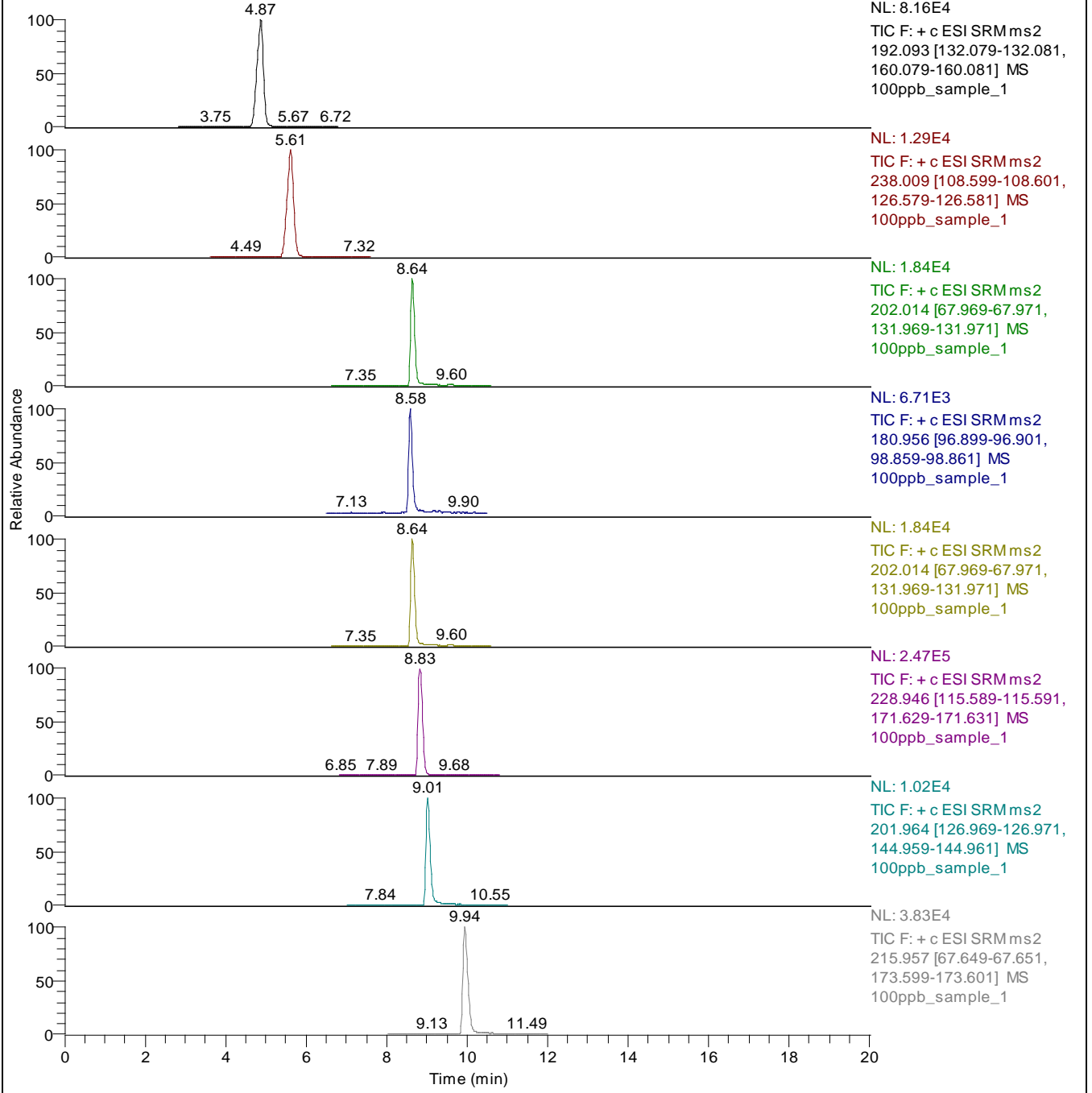


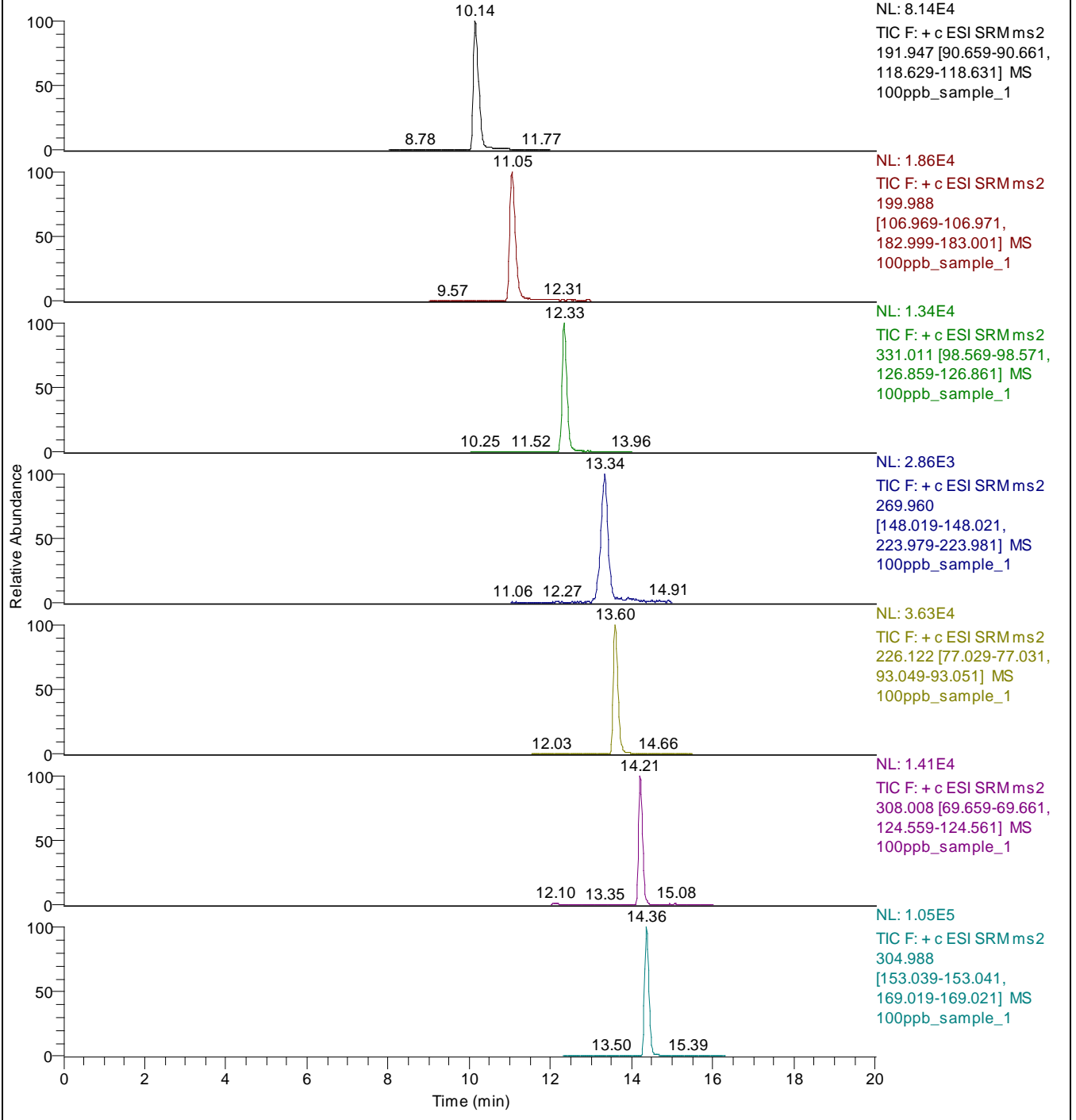


21 PESTICIDES ON SELECTRA C18 BY LC-MS/MS

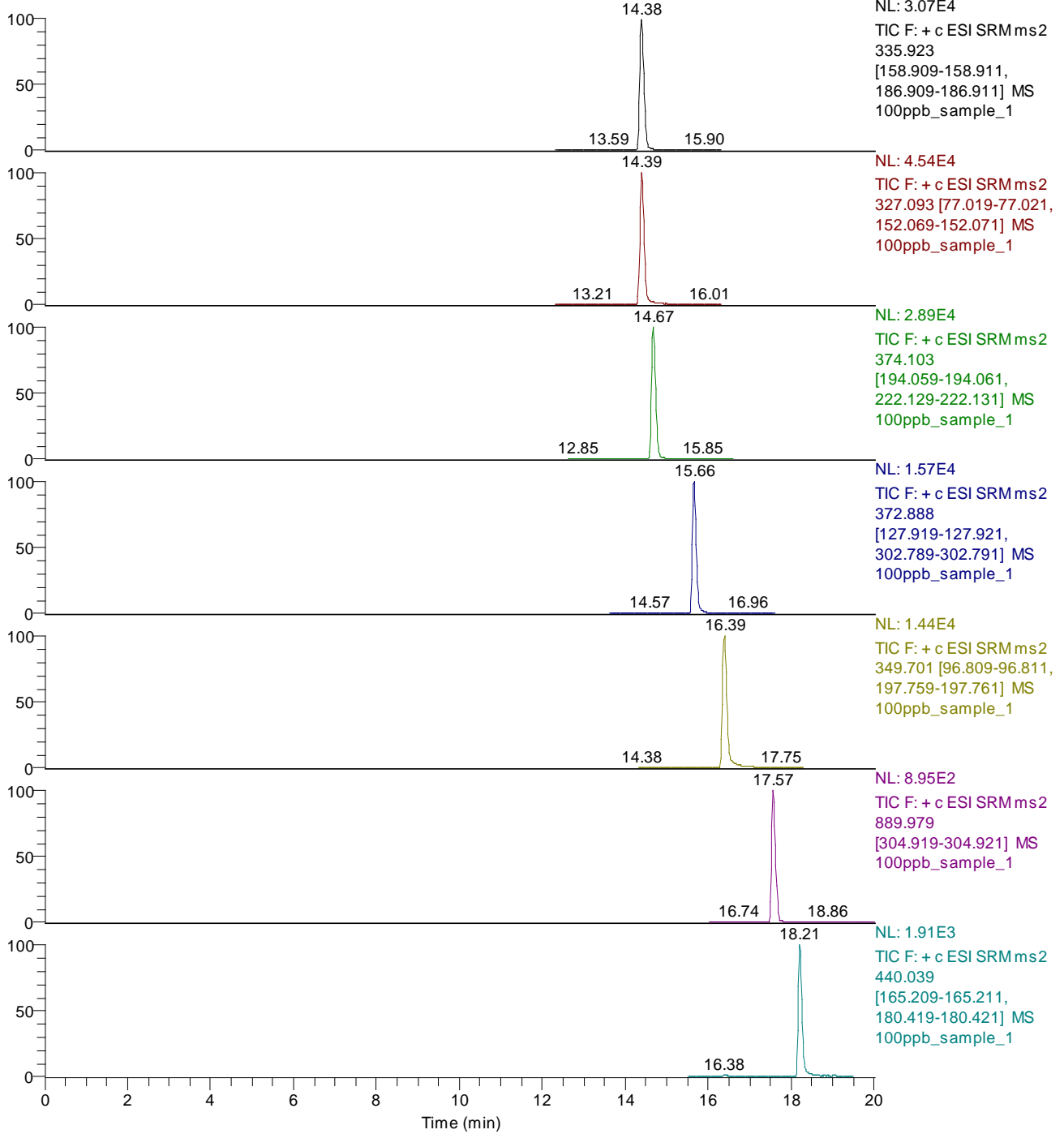
RT: 0.00 - 20.01 SM: 5G



RT: 0.00 - 20.01 SM: 5G



RT: 0.00 - 20.01 SM: 5G



LC-MS/MS Conditions	
HPLC	Thermo Scientific™ Dionex™ Ultimate™ 3000 LC system
Detector	Thermo Scientific™ TSQ Vantage™ tandem mass spectrometer
Ionization mode	ESI ⁺
HPLC column	UCT Selectra®C18, 100 × 2.1 mm, 3 μm (p/n: SLC-18100ID21-3UM)
Guard column	UCT Selectra®C18, 10 × 2.0 mm, 3 μm (p/n: SLC-18GDC20-3UM)
Column temp.	40°C
Injection volume	3 μL
Autosampler temp.	10°C
Wash solvent	MeOH:ultrapure water (1:1, v/v)
Mobile phase A	0.1% ammonium formate + 0.3% formic acid
Mobile phase B	methanol + 0.1% formic acid
Flow rate	300 μL/min

MRM Transitions				
Analyte	t _R (min)	Precursor ion	Product ion 1	Product ion 2
Carbendazim	4.9	192.09	132.08	160.08
Diclotophos	5.6	238.01	108.60	126.58
Thiabendazole	8.6	202.06	131.06	175.07
DIMP	8.6	180.96	96.90	98.86
Simazine	8.6	202.01	67.97	131.97
Tebuthiuron	8.8	228.95	115.59	171.63
Carbaryl	9.0	201.96	126.97	144.96
Atrazine	9.9	215.96	67.65	173.60
DEET	10.1	191.95	90.66	118.63
Pyrimethanil	11.0	199.99	106.97	183.00
Malathion	12.3	331.01	98.57	126.86
Acetochlor	13.3	269.96	148.02	223.98
Cyprodinil	13.6	226.12	77.03	93.05
Tebuconazole	14.2	308.01	69.66	124.56
Diazinon	14.3	304.99	153.04	169.02
TPP	14.4	327.09	77.02	152.07
Zoxamide	14.4	335.92	158.91	186.91
Pyrazophos	14.7	374.10	194.06	222.13
Profenofos	15.7	372.89	127.92	302.79
Chlorpyrifos	16.4	349.70	96.81	197.76
Abamectin	17.6	889.98	304.92	751.21
Bifenthrin	18.2	440.04	165.21	180.42