

## Supporting Material

**Table ES11.** Chromatographic parameters for LC-MS/MS analysis of the target compounds.

Precursor ion classified as adduct type, fragment ions,  $t_R$ = Retention time, in minutes; DP= declustering potential and CE=collision energies, in V

Compounds	Precursor ion [M+H] <sup>+</sup>	SRM 1	SRM 2	$t_R$ (min)	DP (V)	CE SRM 1 (V)	CE SRM 2 (V)
Albendazole	266.1	234.1	191.1	14.8	76	27	43
Alachlor	270.2	162.1	238.2	15.6	31	25	15
Ametryn	228.1	186.2	96.1	14.5	36	25	35
Atrazine	216	174	103.9	14.4	21	25	27
Azinphos methyl	318.1	160.0	132.1	17.2	61	11	21
Boscalid	343.1	139.8	112.2	20.0	89	57	24
Chlorantranilip role	484.1	453.0	286.0	19.5	44	22	21
Clomazone	240.0	125.0	89.3	20.0	78	24	25
Diazinon	305.2	169.2	153.1	21.2	51	27	29
Difenoconazole	406.1	337.2	188.2	15.9	51	25	59
Emamectin benzoate	886.8	158.0	126.0	16.1	52	40	46
Eprinomectin	914.8	186.1	154.0	17.0	18	20	40
Enrofloxacin	360.2	316.4	245.3	10.7	35	20	25
Ethion	385.1	198.9	143.0	16.3	66	13	15
Fluazuron	505.9	158.1	348.9	21.7	86	36	33
Flutriafol	302.0	123.3	70.1	13.9	100	37	35
Haloxifop methyl	376.1	316.1	288.1	15.8	85	22	36
Hexythiazox	353.1	228.1	168.1	16.7	70	23	34
Isoprothilane	291.1	231.0	189.0	15.2	51	17	31
Kresoxym methyl	314.0	206.0	116.0	20.9	10	10	19
Linuron d6	254.9	185.0	160.1	14.9	72	21	24
Malaoxon	315.4	127.0	99.0	13.5	66	17	31
Malathion	331.2	284.9	99.0	15.0	56	11	35
Mebendazole	296.2	264.1	105.1	14.0	81	29	47
Metconazole	320.2	70.2	125.1	21.3	58	45	52
Methiocarb	226.2	121.1	169.1	14.9	78	26	13
Moxidectin	640.4	528.3	496.2	25.0	40	12	17
Propiconazole	342.1	159.0	69.1	21.2	46	37	33
Pyraclostrobin	388.1	194.1	163.1	15.8	67	17	39
Spinosyd A	732.6	142.2	98.3	20.6	198	44	43
Spinosyd D	746.4	142.5	189.4	21.0	110	41	45
Spiroxamine	298.1	100.2	144.2	19.7	90	28	40
Tebufenozide	353.5	297.1	133.1	15.5	41	11	23

Tetraconazole	374.0	161.2	69.9	15.0	76	35	37
Triclabendazole	358.9	343.9	274.0	16.1	101	39	55
Trifloxystrobin	409.0	206.0	145.0	15.8	70	18	56
	<b>Precursor ion [M+NH<sub>4</sub>]<sup>+</sup></b>	<b>SRM 1</b>	<b>SRM 2</b>	<b>t<sub>R</sub> (min)</b>	<b>DP (V)</b>	<b>CE SRM 1 (V)</b>	<b>CE SRM 2 (V)</b>
Abamectin	890.6	567.3	305.4	20.3	75	18	34
Doramectin	916.9	331.3	145.0	17.9	22	26	48
Ivermectin	892.5	569.3	307.2	18.8	75	16	48
Monensin	688.6	461.3	617.6	18.4	62	35	33
	<b>Precursor ion [M- H]<sup>-</sup></b>	<b>SRM 1</b>	<b>SRM 2</b>	<b>t<sub>R</sub> (min)</b>	<b>DP (V)</b>	<b>CE SRM 1 (V)</b>	<b>CE SRM 2 (V)</b>
Fenhexamid	302.0	265.9	263.9	6,7	-80	-26	-28
Oxyclozanide	399.9	363.8	261.8	7.1	-40	-32	-31
Triflumuron	357.0	154.0	175.9	7,0	-16	-14	-22

**Table ESI2.** Gas chromatography and mass spectrometer optimization parameters for the selected

analytes; precursor ion, t<sub>R</sub>= Retention time, in minutes; EC=collision energy, in kV at 70 eV.

Compound	Precursor ion	SR M1	SR M2	t <sub>R</sub> (min)	CE SRM 1 (kV)	CE SRM 2 (kV)
Beta cyfluthrin	226.1	206.1	199.1	25.8/26.0/26.1/26.2	14	6
Bifenthrin	181.1	166.1	153.1	21.4	12	8
Carbofuran	164.1	149.1	103.1	10,766	18	24
Chlorfenvinphos	323.0	267.0	295.0	14.8/15.2	16	6
Chlorpyrifos	313.9	257.9	285.9	13.8	14	8
Chlorpyrifos methyl	285.9	93	270.9	12.8	22	14
Coumaphos	362.0	109.0	226.0	25.1	16	14
Cypermethrin	181.1	152.1	127.1	26.4/26.6/26.7/26.8	22	22
Deltamethrin	252.9	93.0	171.9	29.2/29.5	20	8
Endosulfan sulphate	386.8	282.8	252.9	19.5	10	16
Fenthion	278.0	109.0	125.0	14.0	20	20
Fenvalerate	419.1	225.1	167.1	28.5	6	12
Fipronil	366.9	212.9	254.9	15.0	30	22
Iprodione	314	56.0	245.0	21.1	12	22
Lambda cyhalothrin	197.0	141.0	161.0	23.2	8	12

Mirex	271.8	236. 8	238. 8	23.3	18	18
p,p-DDD	235.0	165. 0	199. 0	18.4	24	14
p,p-DDE	246.0	176. 0	211. 0	17.0	30	22
p,p-DDT	235.0	165. 0	199. 0	19.7	24	16
Parathion methyl	263.0	109. 0	136. 0	12.7	14	8
Permethrin	183.1	153. 1	168. 1	24.7/25.0	14	14
Pirimifos methyl	305.1	180. 1	290. 1	13.3	8	12
Tau- Fluvalinate	250.1	55.0	200. 0	28.4/28.6	20	20
Vinclozolin	285.0	212. 0	178. 0	12.7	12	14