

**Table S1.** Acquisition and identification parameters for the compounds studied.

Name	Ion	Chemical Formula	Exact Mass (amu)	Retention Time (min)	Ion Ratio (F/P)*
<i>Compounds evaluated in Baby Food</i>					
Demeton-S-methyl sulfone	Precursor	C6H15O5PS2	263.01713	4.18	
	Fragment	C4H10O3PS	169.0080	4.2	0.11
Demeton-S-methyl sulfoxide	Precursor	C6H15O4PS2	247.02222	3.63	
	Fragment	C2H6O2PS	124.9818	4.2	0.42
Dimethoate	Precursor	C5H12NO3PS2	230.0069	6.68	
	Fragment	C4H8O3PS2	198.9654	6.68	0.05
Disulfoton sulfone	Precursor	C8H19O4PS3	307.02559	10.69	
	Fragment	C2H6O2PS	124.9819	10.68	0.22
Disulfoton sulfoxide	Precursor	C8H19O3PS3	291.03067	10.53	
	Fragment	C4H10O2PS2	184.9847	10.52	0.23
Ethoprosfos	Precursor	C8H19O2PS2	243.06369	12.71	
	Fragment	H4O2PS2	130.9380	12.71	0.17
Fensulfothion	Precursor	C11H17O4PS2	309.03787	10.91	
	Fragment	C7H10O4PS2	252.9752	10.9	0.06
Fensulfothion oxon	Precursor	C11H17O5PS	293.06071	8.36	
	Fragment	C7H10O5PS	236.9973	8.36	0.22
Fensulfothion oxon sulfone	Precursor	C11H17O6PS	309.05563	8.62	
	Fragment	C6H8O4P	175.0151	8.63	0.21
Fensulfothion sulfone	Precursor	C11H17O5PS2	325.03278	11.09	
	Fragment	C7H10O5PS2	268.9692	11.08	0.31
Haloxypop ethotyl	Precursor	C19H19CIF3NO5	434.09766	14.14	
	Fragment	C14H10CIF3NO2	316.0334	14.13	0.35
Haloxypop methyl	Precursor	C16H13CIF3NO4	376.0558	13.75	
	Fragment	C14H10CIF3NO2	316.0334	13.75	0.27
Omethoate	Precursor	C5H12NO4PS	214.02974	1.79	
	Fragment	C2H2O3PS	124.9821	1.78	0.42

Terbufos sulfone	Precursor	C9H21O4PS3	321.04124	11.64	
	Fragment	C4H11O3PS	171.0244	11.65	0.16
Terbufos sulfoxide	Precursor	C9H21O3PS3	305.04633	11.67	
	Fragment	C4H12O2PS2	187.0006	11.69	0.44
<b>Compounds evaluated in Eggs</b>					
Fipronil	Precursor	C12H4Cl2F6N4OS	434.93143	12.8	
	Fragment	C10H2N3OCl2	249.9590	12.8	0.16
Fipronil sulfone	Precursor	C12H4Cl2F6N4O2S	450.92634	13.22	
	Fragment	C12H2ClF6N4O2S	414.9495	13.22	0.27
Fipronil desulfinyl	Precursor	C12H4Cl2F6N4	386.96444	12.64	
	Fragment	C11H2ClF3N4	281.9934	12.64	0.19
Fipronil sulphide	Precursor	C12H4Cl2F6N4S	418.93652	12.98	
	Fragment	C11H3Cl2F3	261.9574	12.98	0.84
<b>Subrogate and injection standards</b>					
Carbendazim-d3	Precursor	D3C9H6N3O2	195.09558	3.2	
	Fragment	C8H6N3O	160.0497	3.23	0.51
Dichlorvos-d6	Precursor	D6C4HCl2O4P	226.99084	8.99	
	Fragment	D6C2O3P	115.0423	8.98	0.55
Dimethoate-d6	Precursor	D6C5H6NO3PS2	236.04456	11.22	
	Fragment	C2D6O2PS	131.0193	10.63	1.22
Malathion-d10	Precursor	D10C10H9O6PS2	341.10611	11.81	
	Fragment	DC4H2O3	100.0138	11.8	0.28

\* Ion Ratio (F/P): Fragment ion peak area/Precursor ion peak area