Supplementary Material – 1 (S1)

QA/QC Data and Chromatography Conditions for Pesticide Compounds

Table S1-1. Recovery values of pesticide compounds in muscle tissue of the fish (*Notothenia. coriiceps*).

Pesticide Congeners	Spiked volume (µg/kg)	Result (µg/kg)	Recovery (%)
Hexachlorobenzene (HCB)	10	9,72	97,2
Kresoxim-methyl	10	9,75	97,5
Procymidone	10	4,16	41,6
Quinoxyfen	10	6,72	67,2
δ-BHC (HCH)	5	3,52	70,4
Trifluralin	10	11,2	112
2,4'-DDD (*o,p'*-DDD)	5	3,72	74,4
2,4'-DDE (*o,p'*-DDE)	5	3,30	66,0
2,4'-DDT (*o,p'*-DDT)	5	3,71	74,2
4,4'-DDD (*p,p'*-DDD)	5	2,81	56,2
4,4'-DDE (*p,p'*-DDE)	5	3,28	65,6
4,4'-DDT (*p,p'*-DDT)	5	3,20	64,0
Bromophos methyl	10	8,00	80,0
Bromophos-ethyl	10	7,66	76,6
Chlordan gamma	10	8,00	80,0
Chlorpyrifos-ethyl	5	4,46	89,2
Heptachlor	7	6,30	90,0
Lindane (γ-HCH)	5	3,52	70,4
Mecarbam	10	9,22	92,2
Methoxychlor	10	6,77	67,7
Pyridaben	10	8,59	85,9

Table S1-2. Pesticide concentrations (ng/g-dw) in the thallus of *Polytrichum briedel* and *Andreaea regularis* and surface sediment samples collected from the vicinity of Galindez Island and Vernadsky Research Base.

Pesticide Congeners	**Moss**		**Sediment**				
	P. briedel	*A. regularis*	Station2	Station 3	Station 4	Station 5	Station 6
Hexachlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Kresoxim-methyl [f, *]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Procymidone [f, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Quinoxyfen [f, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
δ-BHC (HCH) [h, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trifluralin [h, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4'-DDD (*o,p'*-DDD) [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4'-DDE (*o,p'*-DDE) [i, -]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4'-DDT (*o,p'*-DDT) [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4,4'-DDD (*p,p'*-DDD) [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4,4'-DDE (*p,p'*-DDE) [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4,4'-DDT (*p,p'*-DDT) [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromophos methyl [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromophos-ethyl [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlordan gamma [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorpyrifos-ethyl [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lindane (*γ*-HCH) [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Mecarbam [i, *]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methoxychlor [i, #]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pyridaben [i, *]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

[f]: Fungicide, [h]: Herbicide, [i]: Insecticide, [#]: by GC-MS/MS, [*]: by LC-MS/MS

Table S1-3. Chromatography operating conditions.

	GC (Thermo TSQ™ 9000)	LC (Thermo UltiMate 3000)
Column	Thermo TG-5MS (Length:30m, ID: 0.2mm, film thickness:0.25um)	Thermo Accucore aQ (Dimension:100 * 2.1mm)
Flow	Constant flow rate 1.3 mL/min	0.3 mL/min
Temperature	330/350 °C max	35 °C constatnt
Carrier gas	Helyum (Purity: 99.9999%)	

Table S1-4. GC-MSMS oven program.

#	Rate (°C/min)	Temperature (°C)	Hold Time (min)
Initial		90.0	1.00
1	30.0	150.0	1.00
2	10.0	190.0	2.00
3	10.0	220.0	0.00
4	10.0	250.0	0.00
5	10.0	285.0	5.00

Table S1-5. The list of Precursor Ion, Product Ion, Collision Energy, and Polarity of pesticide active substances used in the LC/MSMS analysis.

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Acephate	184.01	124.9	20	1
Acephate	184.01	143	10	1
Acetamiprid	223.1	90.2	36	1
Acetamiprid	223.1	126.1	22	1
Acetochlor	270	148	15	1
Acetochlor	270	224	10	1
Acrinathrin	559	181	33	1
Acrinathrin	559	208	16	1
Aldicarb	208.1	89.2	17	1
Aldicarb	208.1	116.1	10	1
Aldicarb_Sulfone	240.12	86.2	22	1
Aldicarb_Sulfone	240.12	148.05	12	1
Aldicarb_Sulfoxide	207	89	16	1
Aldicarb_Sulfoxide	207	132	10	1
Amitraz	294	122	35	1
Amitraz	294	163	18	1
Atrazine	216	104	20	1
Atrazine	216	174	16	1
Azinphos_Ethyl	345.96	132.1	16	1
Azinphos_Ethyl	345.96	160.1	7	1
Azinphos-_Methyl	317.93	125.03	19	1
Azinphos-_Methyl	317.93	260.98	8	1
Azoxystrobin	404.12	329.11	32	1
Azoxystrobin	404.12	372.14	14	1
Benalaxyl	326.18	148	22	1
Benalaxyl	326.18	208	15	1
Benomyl	291	160	28	1
Benomyl	291	192	16	1
Bensulfuron_Methyl	411	119	20	1
Bensulfuron_Methyl	411	149	15	1
Bentazone	239.1	132	28	0
Bentazone	239.1	197	22	0
Bifentrin	440	166	42	1
Bifentrin	440	181	14	1
Bitertanol	338.08	99	16	1
Bitertanol	338.08	269	10	1
Boscalid	343.2	271	16	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Boscalid	343.2	307	10	1
Bromophos_Ethyl	395	339	20	1
Bromophos_Ethyl	395	367	20	1
Bromoxynil	276.07	79	36	1
Bromoxynil	276.07	81	36	1
Bromuconazole	377.92	158.92	28	1
Bromuconazole	377.92	160.88	28	1
Buprimate	317.3	108.1	27	1
Buprimate	317.3	166.1	25	1
Buprofezine	306.08	116.1	15	1
Buprofezine	306.08	201.06	10	1
Cadusafos	270.97	97	36	1
Cadusafos	270.97	158.9	16	1
Carbaryl	202.08	127	30	1
Carbaryl	202.08	145	12	1
Carbendazim	192.1	132.1	33	1
Carbendazim	192.1	160.06	20	1
Carbofuran	222.14	123.1	25	1
Carbofuran	222.14	165.06	14	1
Carbosulfan	381	118	25	1
Carbosulfan	381	160	25	1
Carboxin	235.95	86.98	24	1
Carboxin	235.95	142.97	17	1
Carfentrozen_Ethyl	412.2	366.2	19	1
Carfentrozen_Ethyl	412.2	384	15	1
Chlorfenvinphos	358.8	99.1	33	1
Chlorfenvinphos	358.8	155.2	14	1
Chlorfluazuron	539.9	158.02	20	1
Chlorfluazuron	539.9	382.87	20	1
Chloridazone	222	92	25	1
Chloridazone	222	104	25	1
Chlorpropham	214.2	154	18	1
Chlorpropham	214.2	172	8	1
Chlorpyrifos	349.9	97	34	1
Chlorpyrifos	349.9	198	20	1
Chlorpyrifos_Methyl	322	125	20	1
Chlorpyrifos_Methyl	322	290	16	1
Chlorsulfuron	358	141	15	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Chlorsulfuron	358	167	15	1
Clethodim	360	164	18	1
Clethodim	360	268	12	1
Clodinafob_Propargyl_Ester	350	91	25	1
Clodinafob_Propargyl_Ester	350	266	15	1
Clofentezine	302.9	102	20	1
Clofentezine	302.9	137.9	15	1
Cycloate	216	134	10	1
Cycloate	216	154	10	1
Cymoxanil	199	83	23	1
Cymoxanil	199	128	10	1
Cypermethrin	433	127	10	1
Cypermethrin	433	191	10	1
Cyproconazole	292.13	70	30	1
Cyproconazole	292.13	125	32	1
Cyprodinil	226	77	20	1
Cyprodinil	226	93	20	1
Deltamethrin	522.9	280.7	10	1
Deltamethrin	522.9	506	10	1
Demeton_S_Methyl	231	61	10	1
Demeton_S_Methyl	231	89	10	1
Diafenthiuron	385	278	15	1
Diafenthiuron	385	329	15	1
Dichlofluanid	349.98	123.1	39	1
Dichlofluanid	349.98	224	21	1
Diclofop_Methyl	358	120	10	1
Diclofop_Methyl	358	281	10	1
Dicrothophos	238	112	10	1
Dicrothophos	238	193	10	1
Diethofencarb	268	180	12	1
Diethofencarb	268	226	12	1
Difenoconazole	406	111.1	60	1
Difenoconazole	406	251.1	25	1
Dimethamorph	388.1	165	30	1
Dimethamorph	388.1	300.98	20	1
Dimethenamid	276	168	26	1
Dimethenamid	276	244	14	1
Dimethoate	230.1	125.15	20	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Dimethoate	230.1	199.15	10	1
Diniconazole	326	70	25	1
Diniconazole	326	159	34	1
Diphenamid	240	118	10	1
Diphenamid	240	134	10	1
Diuron	233.11	46.3	35	1
Diuron	233.11	72	20	1
Epoxiconazole	330.2	121	21	1
Epoxiconazole	330.2	123	20	1
Eptc	190.07	86.2	14	1
Eptc	190.07	128.2	13	1
Ethiofencarb	226.05	107	10	1
Ethiofencarb	226.05	164	10	1
Ethion	384.92	97.09	49	1
Ethion	384.92	142.97	29	1
Ethofumesate	304	121	22	1
Ethofumesate	304	161	24	1
Etofenprox	394	107	43	1
Etofenprox	394	177	15	1
Etoxazole	360	140.97	20	1
Etoxazole	360	304.12	20	1
Faderinlikadone	392.1	238	10	1
Faderinlikadone	392.1	331.1	10	1
Fenamidone	312.2	236.2	16	1
Fenamidone	312.2	264.2	12	1
Fenamiphos	304.03	217.01	24	1
Fenamiphos	304.03	234.03	8	1
Fenarimol	331	258.7	25	1
Fenarimol	331	267.9	25	1
Fenazaquin	307.2	57.2	25	1
Fenazaquin	307.2	161	19	1
Fenbuconazole	337	70	20	1
Fenbuconazole	337	125	36	1
Fenhexamid	302.09	55	36	1
Fenhexamid	302.09	97	26	1
Fenoxaprop_Ethyl	362	121	15	1
Fenoxaprop_Ethyl	362	288	10	1
Fenoxycarb	302.17	88	20	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Fenoxycarb	302.17	116	13	1
Fenpropathrin	350.1	97	34	1
Fenpropathrin	350.1	125	30	1
Fenproximate	422	135	15	1
Fenproximate	422	366	10	1
Fluazifob_P_Buthyl	384	282	15	1
Fluazifob_P_Buthyl	384	328	10	1
Fluazinam	463.19	398	17	0
Fluazinam	463.19	416	20	0
Flufenoxuron	489	141	20	1
Flufenoxuron	489	158	20	1
Flurochloridone	312	145	10	1
Flurochloridone	312	292	10	1
Flusilazole	316.18	165	34	1
Flusilazole	316.18	247.1	19	1
Flutriafol	302.16	70.1	19	1
Flutriafol	302.16	123	33	1
Formetanate	222	120	10	1
Formetanate	222	165	10	1
Furathiocarb	383.1	195	15	1
Furathiocarb	383.1	252	15	1
Haloxyfop_P_Methyl	376	91.1	32	1
Haloxyfop_P_Methyl	376	316.1	18	1
Heptanophos	251	109	15	1
Heptanophos	251	127	10	1
Hexaconazole	314.14	70.2	20	1
Hexaconazole	314.14	159	20	1
Hexaflumuron	459	276	10	0
Hexaflumuron	459	439	10	0
Hexythiazox	353	227.9	10	1
Hexythiazox	353	271	10	1
Imidacloprid	256	175	15	1
Imidacloprid	256	209	10	1
İodosulfuron_Methyl_Sodium	508	141	10	1
Iodosulfuron_Methyl_Sodium	508	166.8	10	1
Ioxynil	369.8	126.9	35	0
Ioxynil	369.8	214.9	30	0
Kresoxsim_Methyl	314.05	206	10	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Kresoxsim_Methyl	314.05	267	10	1
Lenacil	235	135	30	1
Lenacil	235	136	32	1
Lenacil	235	153	16	1
Linuron	249	159.9	20	1
Linuron	249	181.9	15	1
Lufenuron	511	141	20	1
Lufenuron	511	158	20	1
Malaoxon	315	99	10	1
Malaoxon	315	127	10	1
Malathion	330.97	99.02	25	1
Malathion	330.97	126.99	13	1
Mcpa	199	141	10	0
Mcpa	199	142.5	10	0
Mecarbam	330	96.9	25	1
Mecarbam	330	226.9	10	1
Metalaxyl	280.11	192.1	16	1
Metalaxyl	280.11	220.1	16	1
Metalaxyl_M	280	160	10	1
Metalaxyl_M	280	220	10	1
Metamitron	203	174	15	1
Metamitron	203	175.1	15	1
Methacrifos	258.05	125.04	25	1
Methacrifos	258.05	209.01	12	1
Methamidfos	142.03	94	15	1
Methamidfos	142.03	112	10	1
Methidathion	302.9	85.2	23	1
Methidathion	302.9	144.92	5	1
Methiocarb	226.02	121.05	15	1
Methiocarb	226.02	168.95	10	1
Methomyl	163.05	88.1	10	1
Methomyl	163.05	106.1	10	1
Metolachlor	284.05	176	25	1
Metolachlor	284.05	252	10	1
Mevinphos	225	126.9	15	1
Mevinphos	225	192.9	10	1
Molinate	188.06	83.1	20	1
Molinate	188.06	126.2	16	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Monocrothophos	224	127.02	15	1
Monocrothophos	224	193.1	10	1
Monolinuron	215	99	36	1
Monolinuron	215	126	17	1
Myclobutanil	289.13	70.2	19	1
Myclobutanil	289.13	125	31	1
Nicosulfuron	411	106	32	1
Nicosulfuron	411	182	22	1
Omethoate	214	155	18	1
Omethoate	214	183	13	1
Oxadixyl	279	132	25	1
Oxadixyl	279	219	15	1
Oxamyl	237.1	72.08	15	1
Oxamyl	237.1	90.09	10	1
Paraoxon_Ethyl	276	94	25	1
Paraoxon_Ethyl	276	220	10	1
Penconazole	284.12	70.1	17	1
Penconazole	284.12	159	35	1
Pendimethalin	282.05	194	10	1
Pendimethalin	282.05	212	10	1
Permethrin	408	183	22	1
Permethrin	408	355	10	1
Phenmedipham	301	133	10	1
Phenmedipham	301	168	10	1
Phenthoate	320.9	163	10	1
Phenthoate	320.9	246.8	10	1
Phorate	261	75	12	1
Phorate	261	97	32	1
Phosalone	368	111	42	1
Phosalone	368	182	14	1
Phosmet	318	133	39	1
Phosmet	318	160	15	1
Phospamidone	300	127	17	1
Phospamidone	300	174	15	1
Pirimicarb	239	72	21	1
Pirimicarb	239	182	16	1
Pirimiphos_Methyl	306	108	34	1
Pirimiphos_Methyl	306	164	24	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Primiphos_Ethyl	334.07	182.14	26	1
Primiphos_Ethyl	334.07	198.11	24	1
Prochloraz	376.2	266	15	1
Prochloraz	376.2	308	14	1
Profenofos	372.9	144	36	1
Profenofos	372.9	302.8	19	1
Profoxydim	466	107	25	1
Profoxydim	466	180	20	1
Promecarb	208.09	109	17	1
Promecarb	208.09	151	10	1
Prometryn	242.2	157.9	24	1
Prometryn	242.2	199.9	20	1
Propagite	368	175	10	1
Propagite	368	231.05	10	1
Propamocarb_Hcl	189	102	10	1
Propamocarb_Hcl	189	144	10	1
Propaquizofob	444	99.9	20	1
Propaquizofob	444	371.1	20	1
Propazine	230	146	24	1
Propazine	230	188	18	1
Propiconazole	342	69	25	1
Propiconazole	342	158.8	30	1
Propoxur	210	111	16	1
Propoxur	210	168	10	1
Prothiophos	345	133	25	1
Prothiophos	345	161.05	31	1
Pymetrozine	218	79	30	1
Pymetrozine	218	105	25	1
Pyrazophos	374	221.9	20	1
Pyrazophos	374	345.9	20	1
Pyridaben	365.05	146.9	15	1
Pyridaben	365.05	309	10	1
Pyridaphention	341	188.9	25	1
Pyridaphention	341	204.9	25	1
Pyridate	379.05	206.8	10	1
Pyridate	379.05	351	10	1
Pyrimethanil	200.07	82	30	1
Pyrimethanil	200.07	107	26	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Pyriproxyfen	322.05	96	20	1
Pyriproxyfen	322.05	185	20	1
Quinalphos	299.05	147.06	24	1
Quinalphos	299.05	163.01	23	1
Quinoxyfen	308	162	10	1
Quinoxyfen	308	197	10	1
Quizalafop_Ethyl	373	91	32	1
Quizalofop_Ethyl	373	299	18	1
Rimsulfuron	432	182	22	1
Rimsulfuron	432	325	14	1
Simazine	202	104	27	1
Simazine	202	132	20	1
Spinosad	732.5	98	59	1
Spinosad	732.5	142	35	1
Spiroxamine	298	100	15	1
Spiroxamine	298	144	15	1
Tau_Fluvalinate	520.067	181	20	1
Tau_Fluvalinate	520.067	208	20	1
Tebuconazole	308.2	70	23	1
Tebuconazole	308.2	125	30	1
Tebufenozide	353.12	133	19	1
Tebufenozide	353.12	297	10	1
Tebufenpyrad	334.21	117	36	1
Tebufenpyrad	334.21	145.2	28	1
Tepraloxydim	342	166	20	1
Tepraloxydim	342	250	12	1
Terbufos	289	57	22	1
Terbufos	289	103	8	1
Terbuthylazine	230	104	25	1
Terbuthylazine	230	174	20	1
Terbutryn	242.16	68	40	1
Terbutryn	242.16	186.2	25	1
Tetraconazole	372	70	20	1
Tetraconazole	372	159	30	1
Thiabendazole	202	131	35	1
Thiabendazole	202	175.05	28	1
Thiacloprid	253.13	90.2	37	1
Thiacloprid	253.13	126.1	22	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Thiamethoxam	291.98	181.03	25	1
Thiamethoxam	291.98	211.09	10	1
Thiobencarb	258	100.2	10	1
Thiobencarb	258	125	15	1
Thiofensulfuron_Methyl	388	167	15	1
Thiofensulfuron_Methyl	388	205	15	1
Thiometon	247	61	10	1
Thiometon	247	89	10	1
Thiophanate_Methyl	343.15	151.2	27	1
Thiophanete_Methyl	343.15	93.2	46	1
Tolclofos_Methyl	301	175	29	1
Tolclofos_Methyl	301	269	10	1
Tolyfluanid	364.1	137.2	29	1
Tolyfluanid	364.1	238	35	1
Tralkoxydim	330	137.9	20	1
Tralkoxydim	330	284.2	15	1
Triadimefon	294	197	15	1
Triadimefon	294	225	20	1
Triadimenol	296	70.1	10	1
Triadimenol	296	227	10	1
Triallate	304	86	18	1
Triallate	304	143	25	1
Triasulfuron	402	140.8	15	1
Triasulfuron	402	166.7	15	1
Triazophos	314	161.9	15	1
Triazophos	314	286	15	1
Trifloxystrobin	409.05	185.9	10	1
Trifloxystrobin	409.05	205.9	10	1
Triflumizole	346	73	20	1
Triflumizole	346	278	10	1
Triticonazole	318.05	70.08	20	1
Triticonazole	318.05	125	25	1

Table S1-6. The list of Precursor Ion, Product Ion, Collision Energy, and Polarity of pesticide active substances used in the GC/MSMS analysis.

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
2-4 DDD (o-p DDD)	235	165.1	20	1
2-4 DDD (o-p DDD)	237	165.1	20	1
2-4 DDE (o-p DDE)	246	176	30	1
2-4 DDE (o-p DDE)	317.9	246	15	1
2-4 DDT (o-p DDT)	235	165.1	20	1
2-4 DDT (o-p DDT)	237	165.1	20	1
4-4 DDD (p-p DDD)	235	165.1	20	1
4-4 DDD (p-p DDD)	237	165.1	20	1
4-4 DDE (p-p DDE)	246	176	30	1
4-4 DDE (p-p DDE)	317.9	246	15	1
4-4 DDT (p-p DDT)	235	165.1	20	1
4-4 DDT (p-p DDT)	237	165.1	20	1
Alachlor	161.1	146.1	5	1
Alachlor	188.1	160.1	10	1
Aldrin	66.1	65.1	10	1
Aldrin	292.9	185.93	30	1
Alpha BHC	180.9	145	15	1
Alpha BHC	218.9	182.9	5	1
Beta BHC	180.9	145	15	1
Beta BHC	180.9	146	15	1
beta-Cyfluthrin	163	91.1	12	1
beta-Cyfluthrin	163	127.1	6	1
Bromophos methyl	328.8	313.8	15	1
Bromophos methyl	330.8	315.8	15	1
Bromophos-ethyl	358.89	302.91	20	1
Bromophos-ethyl	358.89	330.9	10	1
Brompropylate	184.9	156.9	10	1
Brompropylate	342.8	184.9	15	1
Campechlor	315.1	195.2	28	1
Campechlor	377.1	255.1	34	1
Captan	149	70	15	1
Captan	149	105	5	1
Chinomethionate	206	148	10	1
Chinomethionate	234	206	10	1
Chlordan gamma	372.81	265.87	18	1
Chlordan gamma	374.81	267.87	15	1
Chlordan-alpha	372.81	265.87	18	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Chlordan-alpha	374.81	267.87	15	1
Chlorfenapyr	363.83	247.21	30	1
Chlorfenapyr	363.83	282.12	20	1
Chlorothal dimethyl	300.8	222.9	25	1
Chlorothal dimethyl	331.8	300.8	10	1
Chlorothlonil	263.9	133	36	1
Chlorothlonil	265.9	133	38	1
Chlorpyrifos-ethyl	314	258	13	1
Chlorpyrifos-ethyl	314	286	8	1
Dazomet	89	44	8	1
Dazomet	162	89	5	1
Delta BHC	180.9	145	15	1
Delta BHC	218.9	183	5	1
Demeton-S-methyl	109	47	12	1
Demeton-S-methyl	142	79	13	1
Diazinon	199.07	93.03	15	1
Diazinon	304.1	179.06	15	1
Dichlorvos	185	93	12	1
Dichlorvos	185	109	17	1
Dicofol	139	75.1	25	1
Dicofol	139	111	10	1
Dieldrin	276.91	240.92	12	1
Dieldrin	278.91	242.92	12	1
Dinobuton	163	116	15	1
Dinobuton	211	117	15	1
Diphenylamine	167.1	139.1	25	1
Diphenylamine	168.1	139	35	1
Endosulfan-alpha	240.89	205.91	10	1
Endosulfan-alpha	242.89	207.91	10	1
Endosulfan-beta	240.89	205.91	10	1
Endosulfan-beta	242.89	207.91	10	1
Endosulfan-sulfate	271.8	236.9	10	1
Endosulfan-sulfate	273.8	238.9	10	1
Endrin	81.1	53.1	10	1
Endrin	278.91	242.92	10	1
Esfenvalerate	125.05	89	15	1
Esfenvalerate	419.13	225.07	10	1
Ethalfluralin	276.1	202.1	15	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Ethalfluralin	316.1	276.1	10	1
Ethofumesat	206.82	160.86	10	1
Ethofumesat	285.75	206.82	12	1
Ethoprophos	158.01	97.01	10	1
Ethoprophos	200.02	158.01	8	1
Fenitrothion	125	79	5	1
Fenitrothion	277	260.1	5	1
Fenthion	278	109	20	1
Fenthion	278	245	8	1
Fenvalerate	125.05	89	15	1
Fenvalerate	419.13	225.07	10	1
Fludioxonil	248.04	154.02	20	1
Fludioxonil	248.04	182.03	15	1
Folpet	104.1	50	25	1
Folpet	104.1	76.1	10	1
Fonofos	109	81	5	1
Fonofos	137	109	5	1
Formothion	87	46	20	1
Formothion	229	87	10	1
Gamma HCH (Lindane)	181	145	15	1
Gamma HCH (Lindane)	183	147	15	1
Heptachlor	100	65.1	10	1
Heptachlor	271.9	236.9	10	1
Heptachlor endo epoxide	352.8	262.9	15	1
Heptachlor endo epoxide	354.8	265	15	1
Heptachlor exo epoxide	183	119	20	1
Heptachlor exo epoxide	183	155	10	1
Hexachlorbenzene	283.8	248.9	15	1
Hexachlorbenzene	285.8	250.9	20	1
Imazalil	215.04	145.02	20	1
Imazalil	215.04	173.03	20	1
Iprodione	314	245	10	1
Iprodione	314	271	5	1
Lambda_Cyhalothrin	181.1	152.1	20	1
Lambda_Cyhalothrin	197.1	141.1	10	1
Methoxychlor	226.9	199	10	1
Methoxychlor	228.9	201	10	1
Metribuzin	198.08	89.04	16	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Metribuzin	198.08	110.05	20	1
Nuarimol	235.05	139.03	15	1
Nuarimol	314.06	139.03	15	1
Oxychlordane	386.79	262.86	15	1
Oxychlordane	386.79	322.83	15	1
Oxyflourfen	252.1	146	30	1
Oxyflourfen	252.1	224.1	10	1
Parathion ethyl	291.1	81	25	1
Parathion ethyl	291.1	109	10	1
Parathion methyl	109	79	5	1
Parathion methyl	124.1	73	15	1
Penconazole	248	157	25	1
Penconazole	248	192	13	1
Phorate	75.10	47	5	1
Phorate	121.1	65	10	1
Pirimiphos-methyl	305	180	8	1
Pirimiphos-methyl	305	290	10	1
Procymidone	283	96.1	10	1
Procymidone	285	96.1	10	1
Propyzamid	173.01	109.01	18	1
Propyzamid	175.02	147.01	15	1
Prothiofos	155	127	18	1
Prothiofos	155	128	14	1
Quinoxyfen	237.1	208.1	25	1
Quinoxyfen	272.1	237.1	10	1
Quintozene	236.9	118.9	20	1
Quintozene	236.9	142.9	20	1
Tecnazene	214.9	179	10	1
Tecnazene	260.9	203	10	1
Tetrachlorvinphos	109	79	5	1
Tetrachlorvinphos	331	109.1	15	1
Tetradifon	226.9	199	10	1
Tetradifon	355.9	229	10	1
Tetrasul	323.9	252	20	1
Tetrasul	323.9	254	20	1
Thiometon	93	63	8	1
Thiometon	246	88	8	1
Trichlorfon	79.1	47	8	1

Compound	Precursor Ion (*m/z*)	Product Ion (*m/z*)	Collision Energy (eV)	Polarity
Trichlorfon	109.1	79.1	10	1
Trifluralin	306.1	160.1	20	1
Trifluralin	306.1	264.1	5	1
Vinclozolin	212.1	145	20	1
Vinclozolin	212.1	172	10	1