

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
1	2,6-Dichlorobenzamide	188.9	172.9	145.0	GC-MS/MS
2	3,4-Dichloraniline	161.0	90.1	99.0	GC-MS/MS
3	3-Chloroaniline	127.0	65.0	92.1	GC-MS/MS
4	4,4-Dichlorobenzophenone	250.0	139.0	215.0	GC-MS/MS
5	4-Bromo-2-chlorophenol	207.9	63.0	99.0	GC-MS/MS
6	6-Benzylaminopurine	226.0	91.0	65.0	LC-MS/MS
7	Acephate	184.1	143.0	49.0	LC-MS/MS
8	Acetamiprid	223.0	126.0	99.0	LC-MS/MS
9	Acetochlor	223.1	132.1	147.1	GC-MS/MS
10	Acetochlor	270.2	224.0	148.1	LC-MS/MS
11	Acibenzolar-S-methyl	211.0	180.8	108.2	LC-MS/MS
12	Acrinathrin	289.1	93.0	77.0	GC-MS/MS
13	Alachlor	188.1	160.1	132.1	GC-MS/MS
14	Alachlor	270.1	238.1	147.1	LC-MS/MS
15	Alanycarb	400.1	238.2	91.1	LC-MS/MS
16	Aldicarb	208.1	116.0	89.0	LC-MS/MS
17	Aldicarb sulfone	223.2	166.3	151.1	LC-MS/MS
18	Aldicarb sulfoxide	207.1	132.1	89.1	LC-MS/MS
19	Aldrin	262.9	193.0	191.0	GC-MS/MS
20	Allethrin	136.1	93.1	77.1	GC-MS/MS
21	Allidochlor	138.1	96.0	81.0	GC-MS/MS
22	Ametryn	228.1	186.1	96.0	LC-MS/MS
23	Aminocarb	209.1	152.0	137.1	LC-MS/MS
24	Amisulbrom	465.9	226.9	148.0	LC-MS/MS
25	Amitraz	293.1	162.1	132.1	GC-MS/MS
26	Anilfos	367.8	199.0	125.0	LC-MS/MS
27	Atrazine	216.1	174.0	104.1	LC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
28	Atrazine Desethyl	188.1	146.2	104.1	LC-MS/MS
29	Atrazine Desethyl-2-hydroxy	170.0	128.0	86.0	LC-MS/MS
30	Atrazine Desisopropyl	174.1	104.1	96.1	LC-MS/MS
31	Azimsulfuron	425.1	182.1	83.0	LC-MS/MS
32	Azinphos ethyl	346.0	132.1	160.1	LC-MS/MS
33	Azinphos ethyl	160.1	132.1	105.0	GC-MS/MS
34	Azinphos methyl	318.0	160.1	132.0	LC-MS/MS
35	Azoxystrobin	344.1	329.1	183.1	GC-MS/MS
36	Azoxystrobin	404.1	372.1	344.1	LC-MS/MS
37	Benalaxyl	148.2	105.1	133.1	GC-MS/MS
38	Benalaxyl	326.2	148.1	294.1	LC-MS/MS
39	Benalaxyl-M	148.2	105.1	133.1	GC-MS/MS
40	Bendiocarb	166.1	151.1	126.1	GC-MS/MS
41	Bendiocarb	223.9	109.0	167.1	LC-MS/MS
42	Benfluralin	292.1	264.0	160.0	GC-MS/MS
43	Benfuracarb	411.2	195.1	252.1	LC-MS/MS
44	Benoxacor	259.0	120.0	176.0	GC-MS/MS
45	Bensulfuron methyl	411.1	148.9	119.0	LC-MS/MS
46	Bentazone	241.1	107.2	199.1	LC-MS/MS
47	Benzoximate	364.0	199.0	105.0	LC-MS/MS
48	Bifenazate	301.1	170.1	198.1	LC-MS/MS
49	Bifenox	341.0	310.0	280.9	GC-MS/MS
50	Bifenthrin	181.1	166.1	179.1	GC-MS/MS
51	Bioallethrin	136.1	93.1	77.1	GC-MS/MS
52	Bispyribac	431.1	275.1	413.1	LC-MS/MS
53	Bitertanol	170.1	141.1	115.1	GC-MS/MS
54	Bitertanol	338.2	70.0	269.2	LC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
55	Boscalid	342.1	140.1	112.1	GC-MS/MS
56	Boscalid	343.0	307.0	140.0	LC-MS/MS
57	Bromacil	204.9	187.9	162.0	GC-MS/MS
58	Bromacil	261.1	205.0	188.0	LC-MS/MS
59	Bromadiolone	509.0	251.1	173.1	LC-MS/MS
60	Bromophos-ethyl	358.9	302.9	330.9	GC-MS/MS
61	Bromopropylate	340.9	184.9	182.9	GC-MS/MS
62	Bromuconazole	378.0	159.0	70.0	LC-MS/MS
63	Bromuconazole	294.9	172.9	145.0	GC-MS/MS
64	Bupirimate	317.0	166.1	108.0	LC-MS/MS
65	Buprofezin	172.1	116.1	131.1	GC-MS/MS
66	Buprofezin	306.2	201.1	116.2	LC-MS/MS
67	Butachlor	188.1	160.1	132.1	GC-MS/MS
68	Butachlor	312.0	238.0	162.0	LC-MS/MS
69	Butafenacil	492.1	331.0	349.0	LC-MS/MS
70	Butocarboxim	213.1	75.0	116.0	LC-MS/MS
71	Butoxycarboxim	223.1	106.0	166.0	LC-MS/MS
72	Butralin	266.2	174.2	190.2	GC-MS/MS
73	Butylate	174.1	146.1	89.0	GC-MS/MS
74	Capropamid	333.6	139.1	196.0	LC-MS/MS
75	Captan	149.1	79.1	105.1	GC-MS/MS
76	Carbaryl	202.1	145.0	127.0	LC-MS/MS
77	Carbendazim	192.2	160.2	132.1	LC-MS/MS
78	Carbetamide	237.1	192.0	118.1	LC-MS/MS
79	Carbofuran	164.1	149.1	131.1	GC-MS/MS
80	Carbofuran	222.1	123.0	165.1	LC-MS/MS
81	Carbofuran-3-hydroxy	238.1	181.1	163.0	LC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
82	Carbofuron-3-keto	236.0	179.1	161.1	LC-MS/MS
83	Carboxin	236.1	143.0	87.0	LC-MS/MS
84	Carfentrazone	340.1	312.1	151.1	GC-MS/MS
85	Carfentrazone ethyl	412.0	346.0	366.0	LC-MS/MS
86	Carpropamid	333.6	139.1	196.0	LC-MS/MS
87	Chlorantraniliprole	481.9	283.9	451.0	LC-MS/MS
88	Chlorbenseide	125.0	89.0	99.0	GC-MS/MS
89	Chlordecone	271.9	236.8	143.0	GC-MS/MS
90	Chlorfenapyr	247.1	227.0	200.0	GC-MS/MS
91	Chlorfenvinphos	323.0	266.9	295.0	GC-MS/MS
92	Chlorfenvinphos	358.9	99.0	155.1	LC-MS/MS
93	Chlorfluazuron	540.0	158.0	383.0	LC-MS/MS
94	Chloridazone	222.0	104.1	77.1	LC-MS/MS
95	Chlorimuron ethyl	415.0	186.0	121.0	LC-MS/MS
97	Chlormephos	233.9	121.0	154.0	GC-MS/MS
98	Chlorobenzilate	251.1	139.0	111.1	GC-MS/MS
99	Chlorotoluron	213.0	72.2	46.2	LC-MS/MS
100	Chlorpyriphos ethyl	313.9	257.9	285.9	GC-MS/MS
101	Chlorpyriphos methyl	285.9	93.0	270.9	GC-MS/MS
102	Chlorpyriphos oxon	298.0	241.9	269.9	GC-MS/MS
103	Chlorsulfuron	358.0	141.0	167.0	LC-MS/MS
104	Chlorthal dimethyl	300.9	222.9	272.9	GC-MS/MS
105	Chromafenozide	395.2	175.1	133.1	LC-MS/MS
106	Cinmethylin	275.1	105.1	77.1	LC-MS/MS
107	cis 1,2,3,6-tetrahydrophthalimide	79.0	77.1	151.0	GC-MS/MS
108	Cis-Chlordane	372.8	265.9	336.8	GC-MS/MS
109	Clethodim	360.1	164.0	268.1	LC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
110	Clodinafop	349	238	266	LC-MS/MS
111	Clodinafop propargyl	349.1	266.1	238.0	GC-MS/MS
112	Clofentezine	303.0	138.0	102.0	LC-MS/MS
113	Clomazone	204.1	107.0	78.0	GC-MS/MS
114	Clomazone	240.1	125.0	89.0	LC-MS/MS
115	Clothianidin	250.0	169.0	132.0	LC-MS/MS
116	Coumachlor	342.9	163.1	285.0	LC-MS/MS
117	Coumatetralyl	293.0	175.1	91.0	LC-MS/MS
118	Crufomate	292.5	105.1	77.1	LC-MS/MS
119	Cyanazine	241.0	214.0	205.0	LC-MS/MS
120	Cyanophos	243.0	109.0	148.0	GC-MS/MS
121	Cyantraniliprole	475.2	286.0	444.0	LC-MS/MS
122	Cyazofamid	325.0	108.0	261.1	LC-MS/MS
123	Cycloxydim	326.1	280.2	180.2	LC-MS/MS
124	Cycluron	199.1	89.1	89.0	LC-MS/MS
125	Cyenopyrofen	394.2	310.2	254.1	LC-MS/MS
126	Cyflufenamid	412.2	295.1	118.1	GC-MS/MS
127	Cyflufenamid	413	241	203	LC-MS/MS
128	Cyfluthrin-1	163.0	127.0	91.0	GC-MS/MS
129	Cyfluthrin-2	163.0	127.0	91.0	GC-MS/MS
130	Cyfluthrin-3	163.0	127.0	91.0	GC-MS/MS
131	Cyfluthrin-4	163.0	127.0	91.0	GC-MS/MS
132	Cyhalofop butyl	375.0	256.0	358.0	LC-MS/MS
133	Cyhalofop butyl	357.1	256.1	229.1	GC-MS/MS
134	Cymoxanil	199.0	128.0	111.0	LC-MS/MS
135	Cypermethrin-1	163.0	127.0	91.0	GC-MS/MS
136	Cypermethrin-2	163.0	127.0	91.0	GC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
137	Cypermethrin-3	163.0	127.0	91.0	GC-MS/MS
138	Cypermethrin-4	163.0	127.0	91.0	GC-MS/MS
139	Cyproconazole	292.0	70.0	125.0	LC-MS/MS
140	Cyprodinil	224.1	208.1	197.1	GC-MS/MS
141	Cyprodinil	226.0	93.0	77.0	LC-MS/MS
142	Cyromazine	167.1	85.1	125.1	LC-MS/MS
143	Deltamethrin	181.0	152.0	174.1	GC-MS/MS
144	Demeton-S-methyl	141.9	79.0	112.0	GC-MS/MS
145	Demeton-S-methyl	231.0	89.0	61.0	LC-MS/MS
146	Demeton-S-methyl sulfone	263.0	169.0	121.0	LC-MS/MS
147	Demeton-S-methyl sulfone	169.1	125.0	109.0	GC-MS/MS
148	Demeton-S-methyl sulfoxide	247.0	169.0	109.0	LC-MS/MS
149	Desmedipham	181.1	109.1	122.1	GC-MS/MS
150	Dialifos	208.0	181.0	89.0	GC-MS/MS
151	Dialifos	394.0	187.0	208.0	LC-MS/MS
152	Diazinon	304.1	179.1	162.1	GC-MS/MS
153	Diazinon	305.1	169.2	97.0	LC-MS/MS
154	Dichlobenil	170.9	100.0	136.0	GC-MS/MS
155	Dichlofluanid	223.9	123.1	77.0	GC-MS/MS
156	Dichlorvos	185.0	93.0	109.0	GC-MS/MS
157	Dichlorvos	221.0	109.1	127.0	LC-MS/MS
158	Diclofop	340.0	253.0	184.1	GC-MS/MS
159	Diclofop methyl	357.9	281.0	120.1	LC-MS/MS
160	Dicloran	206.0	176.0	124.0	GC-MS/MS
161	Diclosulam	406.0	161.0	378.0	LC-MS/MS
162	Dicofol	139.0	111.0	139.0	GC-MS/MS
163	Dicrotophos	238.1	112.1	193.0	LC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
164	Dieldrin	276.9	241.0	170.0	GC-MS/MS
165	Diethofencarb	267.2	225.1	168.1	GC-MS/MS
166	Diethofencarb	268.1	226.1	124.0	LC-MS/MS
167	Difenoconazole	406.1	251.1	253.1	LC-MS/MS
168	Difenoconazole	323.0	265.0	202.0	GC-MS/MS
169	Difenoxyuron	287.2	123.2	72.0	LC-MS/MS
170	Diflubenzuron	157.1	141.1	113.0	GC-MS/MS
171	Diflubenzuron	311.0	158.2	141.1	LC-MS/MS
172	Diflufenican	394.1	266.0	374.1	GC-MS/MS
173	Diflufenican	395.0	266.0	246.1	LC-MS/MS
174	Dimethoate	125.0	79.0	47.0	GC-MS/MS
175	Dimethoate	230.0	199.0	125.0	LC-MS/MS
176	Dimethomorph	388.1	301.0	165.1	LC-MS/MS
177	Dimethomorph	301.1	165.1	139.0	GC-MS/MS
178	Dimoxystrobin	205.1	116.1	58.1	GC-MS/MS
179	Dimoxystrobin	327.1	205.0	116.0	LC-MS/MS
180	Diniconazole	268.0	232.1	149.0	GC-MS/MS
181	Diniconazole	326.1	70.0	158.9	LC-MS/MS
182	Dinotefuran	203.1	129.2	157.2	LC-MS/MS
183	Dinoterb	225.1	177.1	131.1	GC-MS/MS
184	Dioxacarb	224.1	167.0	123.0	LC-MS/MS
185	Dioxathion	474.2	271.0	97.0	LC-MS/MS
186	Diphenylamine	169.1	66.0	77.0	GC-MS/MS
187	Diuron	233.1	72.0	72.1	LC-MS/MS
188	DMSA	201.0	92.0	137.0	LC-MS/MS
189	Dodine	228.3	186.0	60.0	LC-MS/MS
190	Edifenfos	310.0	173.0	201.0	GC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
191	Edifenfos	311.0	111.0	283.0	LC-MS/MS
192	Emamectin	886.4	158.1	126.1	LC-MS/MS
193	Endosulfan sulphate	272.0	237.0	234.0	GC-MS/MS
194	Epoxiconazole	192.1	138.0	111.0	GC-MS/MS
195	Epoxiconazole	330.0	121.1	101.1	LC-MS/MS
196	Esfenvalerate	419.1	225.1	167.1	GC-MS/MS
197	Ethalfuralin	316.1	276.0	202.0	GC-MS/MS
198	Ethiofencarb	226.1	106.9	164.1	LC-MS/MS
199	Ethion	385.0	199.0	171.0	LC-MS/MS
200	Ethiprole	397.3	350.9	255.2	LC-MS/MS
201	Ethofumesate	287.1	121.1	259.1	LC-MS/MS
202	Ethoprophos	158.0	97.0	113.9	GC-MS/MS
203	Ethoprophos	243.0	131.0	173.0	LC-MS/MS
204	Ethoxyquin	218.1	174.2	160.2	LC-MS/MS
205	Ethoxysulfuron	399.1	261.1	68.9	LC-MS/MS
206	Etofenprox	163.1	135.1	107.1	GC-MS/MS
207	Etofenprox	394.2	177.3	135.0	LC-MS/MS
208	Etoxazole	204.2	176.2	146.1	GC-MS/MS
209	Etoxazole	360.1	141.0	57.2	LC-MS/MS
210	Etridiazole	210.9	182.9	139.9	GC-MS/MS
211	Etrimfos	292.1	181.1	153.1	GC-MS/MS
212	Etrimfos	293.1	125.0	265.0	LC-MS/MS
213	Famoxadone	330.1	224.1	196.1	GC-MS/MS
214	Famoxadone	392.0	331.0	238.0	LC-MS/MS
215	Fenamidone	268.1	180.1	77.0	GC-MS/MS
216	Fenamidone	312.1	92.0	236.1	LC-MS/MS
217	Fenamiphos	303.1	195.1	154.1	GC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
218	Fenamiphos	304.2	217.1	202.1	LC-MS/MS
219	Fenarimol	251.0	139.0	111.0	GC-MS/MS
220	Fenarimol	331.0	268.0	81.0	LC-MS/MS
221	Fenazaquin	160.2	145.1	117.1	GC-MS/MS
222	Fenazaquin	307.0	161.0	147.0	LC-MS/MS
223	Fenbuconazole	198.1	129.1	102.1	GC-MS/MS
224	Fenbuconazole	337.0	124.9	70.0	LC-MS/MS
225	Fenclorphos	284.9	269.9	93.0	GC-MS/MS
226	Fenclorphos-oxon	305.1	109.1	108.0	LC-MS/MS
227	Fenclorphos-oxon	269.0	254.0	224.0	GC-MS/MS
228	Fenhexamid	301.1	97.2	55.2	GC-MS/MS
229	Fenhexamid	302.0	97.0	55.0	LC-MS/MS
230	Fenitrothion	277.0	260.0	109.1	GC-MS/MS
231	Fenobucarb	150.1	121.1	103.1	GC-MS/MS
232	Fenobucarb	208.0	95.1	152.1	LC-MS/MS
233	Fenoxaprop-P-ethyl	362.1	288.1	77.0	LC-MS/MS
234	Fenoxaprop-P	334.1	288.0	63.0	LC-MS/MS
235	Fenoxycarb	302.1	88.0	116.2	LC-MS/MS
236	Fenpropathrin	181.1	152.1	127.1	GC-MS/MS
237	Fenpropidin	98.1	55.1	70.1	GC-MS/MS
238	Fenpropimorph	128.2	71.1	110.1	GC-MS/MS
239	Fenpropimorph	304.0	147.0	117.0	LC-MS/MS
240	Fenpyroximate	213.1	77.1	185.1	GC-MS/MS
241	Fenpyroximate	422.1	366.1	107.0	LC-MS/MS
242	Fenthion	278.0	109.0	169.0	GC-MS/MS
243	Fenthion	278.9	169.0	246.9	LC-MS/MS
244	Fenthion sulfone	295.0	280.0	109.0	LC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
245	Fenthion sulfoxide	279.1	200.1	139.0	LC-MS/MS
246	Fenthion sulfoxide	279.0	169.1	109.0	GC-MS/MS
247	Fenuron	165.0	72.1	77.1	LC-MS/MS
248	Fenvalerate	419.1	225.1	167.1	GC-MS/MS
249	Fipronil	366.9	212.9	254.9	GC-MS/MS
250	Fipronil	436.8	367.9	254.9	LC-MS/MS
251	Fipronil sulfone	383.0	255.0	241.0	GC-MS/MS
252	Flazasulfuron	408.1	182.1	139.2	LC-MS/MS
253	Flonicamid	230.1	203.1	174.0	LC-MS/MS
254	Fluazifop-p-butyl	384.2	328.0	282.1	LC-MS/MS
255	Flubendiamide	683.0	408.0	274.0	LC-MS/MS
256	Flucetosulfuron	488.1	156.1	273.0	LC-MS/MS
257	Fluchloralin	356	186	63	LC-MS/MS
258	Flucythrinate	199.1	157.1	107.1	GC-MS/MS
259	Fluensulfone	291.8	165.8	89.1	LC-MS/MS
260	Flufenacet	210.9	123.0	183.0	GC-MS/MS
261	Flufenacet	364.1	152.1	194.2	LC-MS/MS
262	Flufenoxuron	489.0	158.0	141.1	LC-MS/MS
263	Flufenzine	305.0	138.0	102.0	LC-MS/MS
264	Flumioxazine	355.1	299.1	327.1	LC-MS/MS
265	Fluometuron	233.1	72.1	46.0	LC-MS/MS
266	Fluopicolide	347.0	173.0	136.0	GC-MS/MS
267	Fluopicolide	383.1	172.9	108.9	LC-MS/MS
268	Fluopyram	397.0	208.0	173.0	LC-MS/MS
269	Fluoxastrobin	459.2	427.2	188.0	LC-MS/MS
270	Fluquinconazole	376.0	307.0	349.0	LC-MS/MS
271	Flurochloridone	311.0	174.0	58.0	GC-MS/MS

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Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
272	Flusilazole	233.1	165.1	152.1	GC-MS/MS
273	Flusilazole	316.1	247.1	165.1	LC-MS/MS
274	Fluthiacet methyl	404.0	215.0	274.0	LC-MS/MS
275	Flutolanil	323.1	173.1	145.2	GC-MS/MS
276	Flutolanil	324.1	262.1	242.1	LC-MS/MS
277	Flutriafol	219.1	123.1	95.1	GC-MS/MS
278	Flutriafol	302.1	70.1	123.0	LC-MS/MS
279	Fluxapyoxad	381.1	159.1	160.8	GC-MS/MS
280	Folpet	259.9	130.0	95.0	GC-MS/MS
281	Fomesafen	456.0	344.0	223.0	LC-MS/MS
282	Forchlorfenuron	248.0	129.1	93.1	LC-MS/MS
283	Fosthiazate	283.1	195.0	103.1	GC-MS/MS
284	Fuberidazole	184.1	156.1	129.1	GC-MS/MS
285	Fuberidazole	185.0	157.0	65.0	LC-MS/MS
286	Furalaxyl	302.1	95.0	242.1	LC-MS/MS
287	Furathiocarb	194.1	161.1	179.0	GC-MS/MS
288	Furathiocarb	383.1	195.1	252.1	LC-MS/MS
289	Halosulfuron methyl	327.1	260.1	139.1	GC-MS/MS
290	Halosulfuron methyl	434.9	182.1	83.1	LC-MS/MS
291	Haloxyfop	362.1	288.0	91.2	LC-MS/MS
292	Haloxyfop free acid	361.9	316.0	91.1	LC-MS/MS
293	Heptachlor	271.8	235.9	142.9	GC-MS/MS
294	Heptachlor epoxide	352.8	262.9	281.9	GC-MS/MS
295	Hexaconazole	214.0	159.0	172.0	GC-MS/MS
296	Hexaconazole	314.1	70.0	159.0	LC-MS/MS
297	Hexaflumuron	461.1	158.2	141.1	LC-MS/MS
298	Hexazinone	171.1	71.0	85.0	GC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
299	Hexazinone	253.2	171.0	71.1	LC-MS/MS
301	Hexythiazox	353.1	228.0	168.0	LC-MS/MS
302	Homobrassinolide	495.0	109.0	127.0	LC-MS/MS
303	Hydramethylnon	495.2	323.2	151.1	LC-MS/MS
304	Imazalil	215.0	173.0	159.1	GC-MS/MS
305	Imazalil	297.0	159.0	201.0	LC-MS/MS
306	Imazamox	306.1	86.1	193.1	LC-MS/MS
307	Imazaquin	312.2	199.2	267.2	LC-MS/MS
308	Imazathapyr	290.0	159.0	177.0	LC-MS/MS
309	Imazosulfuron	413.2	153.0	258.0	LC-MS/MS
310	Imidacloprid	256.0	209.1	175.1	LC-MS/MS
311	Indaziflam	302.1	145.1	138.1	LC-MS/MS
312	Indaziflam-Carboxylic acid	332.0	158.1	138.0	LC-MS/MS
313	Indaziflam-Diaminotriazine	157.9	96.1	54.1	LC-MS/MS
314	Indaziflam-Triazine indanone	316.0	158.3	138.1	LC-MS/MS
315	Indoxacarb	528.0	203.0	218.0	LC-MS/MS
316	Iodosulfuron-methyl	508.0	166.9	83.0	LC-MS/MS
317	Ipconazole	334.2	70.0	125.0	LC-MS/MS
318	Iprobenfos	204.0	91.0	122.0	GC-MS/MS
319	Iprobenfos	289.1	91.0	205.0	LC-MS/MS
320	Iprovalicarb	321.2	119.0	203.1	LC-MS/MS
321	Isocarbophos	290.0	146.0	58.0	LC-MS/MS
322	Isoprocarb	136.0	121.0	103.0	GC-MS/MS
323	Isoprocarb	194.1	95.0	137.0	LC-MS/MS
324	Isoprothiolane	290.1	118.0	204.1	GC-MS/MS
325	Isoproturon	207.2	72.1	46.1	LC-MS/MS
326	Isopyrazam	303.2	159.1	262.1	GC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
327	Isoxaben	165.1	150.0	107.1	GC-MS/MS
328	Kresoxim-methyl	206.1	131.1	131.1	GC-MS/MS
329	Kresoxim-methyl	314.0	116.0	206.0	LC-MS/MS
330	Lactofen	344.0	223.0	179.0	GC-MS/MS
331	Lambda-cyhalothrin	197.1	141.1	161.1	GC-MS/MS
332	Lindane	218.9	182.9	144.9	GC-MS/MS
333	Linuron	248.1	189.0	160.1	GC-MS/MS
334	Linuron	249.1	160.0	182.1	LC-MS/MS
335	Lufenuron	511.1	158.1	141.2	LC-MS/MS
336	Malaoxon	315.0	127.0	99.0	LC-MS/MS
337	Malathion	173.1	127.1	99.0	GC-MS/MS
338	Malathion	331.0	285.0	127.1	LC-MS/MS
339	Mandipropamid	412.1	328.1	356.1	LC-MS/MS
340	Matrine	249.0	148.0	150.0	LC-MS/MS
341	Mecarbam	160.1	132.0	75.0	GC-MS/MS
342	Mefenacet	299.0	148.1	120.1	LC-MS/MS
343	Mepanipyrim	222.1	220.0	207.1	GC-MS/MS
344	Mepanipyrim	224.0	106.0	77.0	LC-MS/MS
345	Mepronil	269.2	119.1	227.1	GC-MS/MS
346	Mepronil	270.1	119.1	228.0	LC-MS/MS
347	Mesosulfuron methyl	503.8	182.1	83.0	LC-MS/MS
348	Metaflumizone	507.1	178.1	287.1	LC-MS/MS
349	Metaflumizone (sum of E- and Z-isomers)	505	301.83	327.2	LC-MS/MS
350	Metalachlor	284.0	252.1	176.2	LC-MS/MS
351	Metalaxyl	249.2	190.1	146.1	GC-MS/MS
352	Metalaxyl	280.1	220.2	192.2	LC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
353	Metaxyl-M	249.2	190.1	146.1	GC-MS/MS
354	Metaldehyde	194	62.3	106.2	LC-MS/MS
355	Metamifop	441	288	123.1	LC-MS/MS
356	Metamitron	203.1	175.1	104.0	LC-MS/MS
357	Metazachlor	209.1	132.1	117.2	GC-MS/MS
358	Metconazole	125.1	99.0	89.1	GC-MS/MS
359	Metconazole	320.1	70.0	125.0	LC-MS/MS
360	Methabenzthiazuron	164.0	136.0	108.0	GC-MS/MS
361	Methabenzthiazuron	222.1	165.2	150.3	LC-MS/MS
363	Methacrifos	208.0	180.0	110.0	GC-MS/MS
364	Methamidophos	142.0	94.0	125.0	LC-MS/MS
365	Methidathion	145.0	85.1	58.0	GC-MS/MS
366	Methidation	303.0	145.1	85.2	LC-MS/MS
367	Methiocarb	168.1	153.0	109.0	GC-MS/MS
368	Methiocarb	226.1	169.1	121.1	LC-MS/MS
369	Methomyl	163.1	88.1	106.0	LC-MS/MS
370	Methoprene	191.2	135.1	147.1	GC-MS/MS
371	Methoprotryne	272.2	240.2	198.0	LC-MS/MS
372	Methoxychlor	227.1	169.1	212.1	GC-MS/MS
373	Methoxyfenozide	369.1	149.1	313.2	LC-MS/MS
374	Metobromuron	259.0	170.2	148.2	LC-MS/MS
375	Metoxuron	229.2	72.0	156.0	LC-MS/MS
376	Metribuzin	215.1	84.1	187.1	LC-MS/MS
377	Metsulfuron methyl	382.1	167.1	135.0	LC-MS/MS
378	Mevinphos	192.0	127.0	164.0	GC-MS/MS
379	Mevinphos-E	225.1	127.1	193.2	LC-MS/MS
380	Mevinphos-Z	225.1	127.0	193.0	LC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
381	Mexacarbate	223.2	166.1	151.0	LC-MS/MS
382	Molinate	126.1	55.0	83.0	GC-MS/MS
383	Molinate	188.2	126.2	55.1	LC-MS/MS
384	Monocrotophos	127.1	109.0	95.0	GC-MS/MS
385	Monocrotophos	224.1	127.1	98.0	LC-MS/MS
386	Monolinuron	214.1	61.1	126.0	GC-MS/MS
387	Monolinuron	215.1	126.1	99.0	LC-MS/MS
388	Myclobutanil	289.0	70.0	125.0	LC-MS/MS
389	Myclobutanil	179.1	125.0	152.0	GC-MS/MS
390	Napropamide	271.2	128.2	72.1	GC-MS/MS
391	Neburon	275.0	88.0	114.0	LC-MS/MS
392	Nitenpyram	271.0	225.2	126.0	LC-MS/MS
393	Nitrapyrin	193.9	133.0	157.9	GC-MS/MS
394	Novaluron	335.0	168.0	140.0	GC-MS/MS
395	Novaluron	493.0	158.1	141.1	LC-MS/MS
396	Nuarimol	315.0	252.1	81.0	LC-MS/MS
397	o,p-DDT	235.0	165.1	199.1	GC-MS/MS
398	Omethoate	156.1	110.0	79.0	GC-MS/MS
399	Omethoate	214.0	124.9	182.8	LC-MS/MS
400	O-Phenylphenol	170.1	141.1	115.1	GC-MS/MS
401	Orthosulfamuron	425.1	120.0	156.1	LC-MS/MS
402	Oryzalin	347.0	305.0	288.0	LC-MS/MS
403	Oxadiargyl	340.9	223.0	151.1	LC-MS/MS
404	Oxadiazon	258.0	175.0	112.0	GC-MS/MS
405	Oxadiazon	345.0	302.9	219.9	LC-MS/MS
406	Oxadixyl	233.1	146.1	118.2	GC-MS/MS
407	Oxadixyl	279.1	219.1	132.1	LC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
408	Oxamyl	237.1	72.1	90.1	LC-MS/MS
409	Oxathiapiprolin	540	500	521.8	LC-MS/MS
410	Oxycarboxin	268.2	174.9	147.0	LC-MS/MS
411	Oxyfluorfen	361.1	300.0	317.0	GC-MS/MS
412	Oxyfluorfen	362.1	316.1	140.1	LC-MS/MS
413	Oxymatrine	265.0	247.0	205.0	LC-MS/MS
414	p,p-DDE	246.0	176.1	211.1	GC-MS/MS
415	p,p-DDT	235.0	165.1	199.1	GC-MS/MS
416	Paclobutrazol	294.0	70.0	125.0	LC-MS/MS
417	Paclobutrazol	236.1	167.0	132.0	GC-MS/MS
418	Paraoxon methyl	230.1	106.0	200.1	GC-MS/MS
419	Parathion ethyl	291.1	109.0	137.0	GC-MS/MS
420	Parathion methyl	263.0	109.1	125.0	GC-MS/MS
421	Penconazole	248.1	157.1	192.1	GC-MS/MS
422	Penconazole	284.1	159.0	70.0	LC-MS/MS
423	Pencycuron	329.1	125.0	218.1	LC-MS/MS
424	Pendimethalin	252.1	162.1	191.1	GC-MS/MS
425	Pendimethalin	282.2	212.1	194.2	LC-MS/MS
426	Penflufen	318.2	141.0	234.1	LC-MS/MS
427	Penoxsulam	484.1	195.1	164.1	LC-MS/MS
428	Permethrin	183.1	153.1	168.1	GC-MS/MS
429	Pethoxamid	260.2	147.1	119.2	GC-MS/MS
430	Phenmedipham	301.1	136.0	168.1	LC-MS/MS
431	Phenothrin	183.1	153.1	168.1	GC-MS/MS
432	Phenthoate	321.0	163.0	79.0	LC-MS/MS
433	Phorate Sulfone	292.9	97.0	171.0	LC-MS/MS
434	Phorate Sulfoxide	276.9	97.0	143.0	LC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
435	Phosalone	182.0	111.0	138.0	GC-MS/MS
436	Phosalone	368.0	182.0	138.0	LC-MS/MS
437	Phosmet	160.1	77.1	133.1	GC-MS/MS
438	Phosphamidon	264.1	127.1	193.1	GC-MS/MS
439	Phosphamidon	300.0	127.1	174.0	LC-MS/MS
440	Picloram	196.0	161.0	134.0	GC-MS/MS
441	Picoxystrobin	368.0	145.0	205.0	LC-MS/MS
442	Pinoxaden	401.2	317.0	289.2	LC-MS/MS
443	Pirimicarb	238.1	166.1	72.0	GC-MS/MS
444	Pirimicarb	239.2	72.1	182.1	LC-MS/MS
445	Pirimiphos methyl	306.1	164.1	108.0	LC-MS/MS
446	Pretilachlor	262.1	202.1	145.1	GC-MS/MS
447	Pretilachlor	312.0	252.1	132.1	LC-MS/MS
448	Prochloraz	180.1	138.1	69.0	GC-MS/MS
449	Prochloraz	376.0	308.0	70.0	LC-MS/MS
450	Procymidone	283.0	96.1	68.1	GC-MS/MS
451	Profenofos	336.9	266.9	308.9	GC-MS/MS
452	Profenofos	375.0	304.9	302.9	LC-MS/MS
453	Promecarb	208.1	109.0	151.0	LC-MS/MS
454	Prometon	226.1	142.0	86.0	LC-MS/MS
455	Prometryne	242.2	200.1	158.1	LC-MS/MS
456	Propachlor	176.1	57.1	77.1	GC-MS/MS
457	Propamocarb	189.2	102.0	144.0	LC-MS/MS
458	Propanil	218.1	127.1	162.1	LC-MS/MS
459	Propaquizafop	444.1	100.1	299.1	LC-MS/MS
460	Propargite	368.2	231.1	175.1	LC-MS/MS
461	Propazine	229.1	58.0	214.1	GC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
462	Propetamphos	282.0	138.0	156.0	LC-MS/MS
463	Propham	179.1	137.0	93.1	GC-MS/MS
464	Propham	180.1	138.0	120.0	LC-MS/MS
465	Propiconazole	342.1	159.0	69.0	LC-MS/MS
466	Propiconazole	259.0	69.0	191.0	GC-MS/MS
467	Propisoclor	223.1	132.2	147.1	GC-MS/MS
468	Propoxur	152.1	110.1	64.0	GC-MS/MS
469	Propoxur	210.1	111.0	168.1	LC-MS/MS
470	Propyzamide	173.0	144.9	109.0	GC-MS/MS
471	Proquinazid	330.0	287.8	244.9	GC-MS/MS
472	Prothioconazole	344.1	205.1	116.0	LC-MS/MS
473	Pymetrozine	218.0	105.0	78.0	LC-MS/MS
474	Pyracarbolid	218.1	125.0	97.0	LC-MS/MS
475	Pyraclostrobin	388.0	194.0	163.0	LC-MS/MS
476	Pyraflufen ethyl	412.0	349.0	306.0	GC-MS/MS
477	Pyrazophos	221.1	193.1	149.1	GC-MS/MS
478	Pyrazosulfuron ethyl	415.1	182.1	83.0	LC-MS/MS
479	Pyridaben	147.1	117.1	132.1	GC-MS/MS
480	Pyridaben	365.0	147.0	309.0	LC-MS/MS
481	Pyridalyl	204.1	148.0	176.1	GC-MS/MS
482	Pyridalyl	491.9	111.0	109.0	LC-MS/MS
483	Pyrimethanil	198.1	183.1	158.1	GC-MS/MS
484	Pyrimethanil	200.0	107.0	82.0	LC-MS/MS
485	Pyriproxyfen	322.0	96.0	185.0	LC-MS/MS
486	Pyriithiobac sodium	326.9	309.0	139.1	LC-MS/MS
487	Pyroquilon	173.1	130.1	144.1	GC-MS/MS
488	Pyroxasulfone	392.1	179.0	229.0	LC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
489	Quinalphos	157.1	129.0	102.0	GC-MS/MS
490	Quinalphos	299.0	147.0	163.0	LC-MS/MS
491	Quinoxifen	272.1	237.0	208.0	GC-MS/MS
492	Quinoxifen	308.1	162.1	197.1	LC-MS/MS
493	Quizalofop free acid	346.9	301.1	100.0	LC-MS/MS
494	Quizalofop-p-ethyl	373.0	299.0	271.0	LC-MS/MS
495	Quizalofop-p-tefury	429.1	147.1	299	LC-MS/MS
496	Rimsulfuron	432.1	325.2	182.0	LC-MS/MS
497	Rotenone	395.1	213.1	192.1	LC-MS/MS
498	Secbumeton	226.2	170.1	100.0	LC-MS/MS
499	Siduron	233.3	137.2	94.0	LC-MS/MS
500	Simazine	201.1	173.1	186.1	GC-MS/MS
501	Simazine	202.1	132.1	124.3	LC-MS/MS
502	Simetryne	214.0	124.0	144.0	LC-MS/MS
503	S-Metholachlor	238.1	162.2	133.1	GC-MS/MS
504	Spinetoram A	748.5	142.2	98.1	LC-MS/MS
505	Spinosyn A	732.5	142.2	98.1	LC-MS/MS
506	Spinosyn D	746.4	142.2	98.1	LC-MS/MS
507	Spirodiclofen	411.3	313.3	71.3	LC-MS/MS
508	Spiromesifen	371.2	273.2	255.2	LC-MS/MS
509	Spiromesifen	272.1	254.1	185.1	GC-MS/MS
510	Spirotetramat	374.2	330.2	302.2	LC-MS/MS
511	Spiroxamine	298.2	144.2	100.1	LC-MS/MS
512	Spiroxamine	100.1	72.0	58.0	GC-MS/MS
513	Sulfentrazone	387.0	307.1	146.0	LC-MS/MS
514	Sulfosulfuron	471.2	261.1	218.0	LC-MS/MS
515	Sulfotep	322.0	202.0	174.0	GC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
516	Tau-fluvalinate	250.1	200.0	200.0	GC-MS/MS
517	Tebuconazole	308.2	70.0	125.0	LC-MS/MS
518	Tebufenozide	353.2	133.0	297.2	LC-MS/MS
519	Tebufenpyrad	333.2	171.1	276.1	GC-MS/MS
520	Tebufenpyrad	334.0	117.0	145.0	LC-MS/MS
521	Tebuthiuron	171.1	156.1	74.0	GC-MS/MS
522	Tebuthiuron	229.1	172.4	116.1	LC-MS/MS
523	Teflubenzuron	381.1	141.2	158.2	LC-MS/MS
524	Tefluthrin	177.1	127.0	87.1	GC-MS/MS
525	Tembotrione	458.1	262.0	341.0	LC-MS/MS
526	Temephos	467.0	419.1	405.0	LC-MS/MS
527	Tepraloxymid	164.1	108.1	81.1	GC-MS/MS
528	Terbufos	231.0	128.9	174.9	GC-MS/MS
529	Terbufos	289.0	103.0	57.0	LC-MS/MS
530	Terbumeton	226.1	170.1	100.0	LC-MS/MS
531	Terbutryne	242.1	186.1	68.1	LC-MS/MS
532	Tetraconazole	336.1	204.1	218.0	GC-MS/MS
533	Tetraconazole	372.1	159.0	70.0	LC-MS/MS
534	Tetradifon	355.9	159.0	228.9	GC-MS/MS
535	Thiabendazole	202.1	175.1	131.2	LC-MS/MS
536	Thiacloprid	253.0	126.0	99.0	LC-MS/MS
537	Thiamethoxam	292.0	211.0	181.0	LC-MS/MS
538	Thidiazuron	221.1	102.1	127.9	LC-MS/MS
539	Thifluzamide	526.8	166.0	486.8	LC-MS/MS
540	Thiobencarb	257.1	100.0	72.0	GC-MS/MS
541	Thiobencarb	258.0	125.0	89.0	LC-MS/MS
542	Thiodicarb	355.0	88.0	163.0	LC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
543	Thiometon	125.0	79.0	47.0	GC-MS/MS
544	Thiometon	247.0	89.0	61.0	LC-MS/MS
545	Thiophanate methyl	343.0	151.1	311.0	LC-MS/MS
546	Tolylfluanid	238.0	137.1	91.1	GC-MS/MS
547	Topramezone	364.1	334.1	125.0	LC-MS/MS
548	Tralkoxydim	283.0	227.0	184.0	GC-MS/MS
549	Tralkoxydim	330.3	284.2	138.0	LC-MS/MS
550	<i>Trans</i> -Chlordane	372.8	265.9	336.8	GC-MS/MS
551	Triadimefon	208.1	181.0	127.0	GC-MS/MS
552	Triadimefon	294.0	197.1	225.0	LC-MS/MS
553	Triadimenol	168.1	70.0	112.1	GC-MS/MS
554	Triadimenol	296.0	70.0	99.0	LC-MS/MS
555	Triafamone	407	245.2	160.2	LC-MS/MS
556	Tri-allate	268.1	184.0	226.0	GC-MS/MS
557	Tri-allate	304.0	142.9	86.1	LC-MS/MS
558	Triasulfuron	402.1	167.1	141.1	LC-MS/MS
559	Triazophos	257.0	162.0	134.0	GC-MS/MS
560	Triazophos	314.0	162.0	119.0	LC-MS/MS
561	Trichlorfon	145.0	109.0	112.9	GC-MS/MS
562	Trichlorfon	256.9	109.1	127.0	LC-MS/MS
563	Tricyclazole	190.0	163.0	136.0	LC-MS/MS
564	Tridemorph	298.6	98.0	130.0	LC-MS/MS
565	Trifloxystrobin	409.0	186.0	206.0	LC-MS/MS
566	Triflumezopyrim	399.1	121	278.1	LC-MS/MS
567	Triflumizole	278.1	73.0	55.0	GC-MS/MS
568	Triflumizole	346.1	278.1	73.0	LC-MS/MS
569	Triflumuron	155.0	139.0	11.1	GC-MS/MS

The multiple reaction monitoring (MRM) transitions for the tandem mass spectrometric analysis of the chemicals included in the Annexure 9 of the Residue Monitoring Plan on Grapes can be sourced from the following database of NRL on GC-MS/MS and LC-MS/MS analysis

Sr. No.	Name	Parent ion	Quantifier ion	Qualifier ion	Instrument technique
570	Triflumuron	359.1	156.2	139.0	LC-MS/MS
571	Trifluralin	306.1	264.1	206.1	GC-MS/MS
572	Triflusulfuron	237.1	208.0	222.0	GC-MS/MS
573	Triphenyl phosphate	325.1	169.1	215.0	GC-MS/MS
574	Triticonazole	235.1	182.1	217.1	GC-MS/MS
575	Triticonazole	318.0	70.0	125.0	LC-MS/MS
576	Tritosulfuron	161.1	141.1	114.1	GC-MS/MS
577	Valifenalate	212.1	138.1	180.1	GC-MS/MS
578	Vamidothion	288.0	146.0	118.0	LC-MS/MS
579	Vinclozolin	285.0	212.0	178.1	GC-MS/MS
580	Zoxamide	258.1	187.0	159.0	GC-MS/MS
581	Zoxamide	336.1	187.0	159.0	LC-MS/MS
582	α -Endosulfan	241.0	206.0	160.0	GC-MS/MS
583	α -HCH	218.9	182.9	144.9	GC-MS/MS
584	β -Endosulfan	241.0	206.0	160.0	GC-MS/MS
585	β -HCH	218.9	182.9	144.9	GC-MS/MS
586	δ -HCH	218.9	182.9	144.9	GC-MS/MS

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