

GCMS-TQ8030 快速测定 食品中农药残留整体解决方案

— 更快速、更灵敏、更准确 —



目录

| | |
|------------------------------|-----|
| 1. 前 言..... | 1 |
| 2. 实验部分..... | 2 |
| 3. 农药混标 MRM 图..... | 3 |
| 4. 306 种农药保留时间和监测离子..... | 5 |
| 5. 306 种农药多级质谱图..... | 18 |
| 6. 标准曲线、重现性和仪器检出限..... | 208 |
| 7. 回收率..... | 237 |
| 8. 高性能 Q3 Scan/MRM 同时采集..... | 245 |
| 9. 结论..... | 250 |

1. 前言

农药在预防、消灭或控制农林业的病虫害中必不可少，是提高农林业产量的重要措施之一。然而农药使用后会残存于环境或生物体中。农药残留是指残存在环境及生物体内的微量农药，包括农药原体、有毒代谢物、降解物和杂质。农药残留会危害人体健康，可能引起急性中毒事故，长期可能会引起慢性中毒或多种疾病。

在食品安全指标中，农药残留量已成为重要的检测指标。国际食品法典委员会下设农药残留专家委员会联席会议（JMPR）和农药残留法典委员会（CCPR）两个组织已制定了食品中农药最高残留限量标准。我国现行的农药最大残留和限量标准 GB2763-2005《食品中农药最大残留限量》中包括了 136 中我国正在使用的农药。

目前用于农药残留分析的主要技术为气相色谱法、液相色谱法和气相色谱质谱联用法。其中气质联用法主要采用单四极杆 GCMS 结合选择离子监测（SIM）技术。单四极杆 GCMS 的选择离子监测技术采集的质谱信息少，选择性差，易受基质干扰，对于低含量农残组分来说，结果存在较大不确定性。三重四极杆气相色谱串联质谱仪的多反应监测技术（MRM）可以有效的排除基质的干扰，不受共流出峰的干扰，具有更强的定性和定量功能。岛津三重四极杆气质联用仪 GCMS-TQ8030 作为岛津 UFMS 的一员，具有“更快速”、“更灵敏”、“更准确”的分析特点。

岛津公司作为全球著名的分析仪器厂商，进入中国已经 30 多年，自 1875 年创业以来，始终秉承创始人岛津源藏的创业宗旨“以科学技术向社会做贡献”，不断钻研领先时代、满足社会需求的科学技术。长期以来，岛津公司一直关注国内外食品安全相关标准法规的颁布与实施，积极应对，及时提供全面、快速有效的解决方案。

本手册提供了使用 GCMS-TQ8030 三重四极杆气质联用仪快速测定食品中 306 种农药残留的整体解决方案。针对 306 种农药，给出了 GC-MS/MS 的分析条件、产物离子扫描质谱图、MRM 参数、保留时间信息、校准曲线信息、重现性、检出限以及回收率等信息。

岛津企业管理（中国）有限公司

分析中心

2012 年 11 月

2. 实验部分

2.1 农药信息和前处理

农药组分共 306 种，分为 6 组混标，每组混标初始浓度均为 20 $\mu\text{g/mL}$ ，溶剂为丙酮。

2.2 分析条件

色谱柱：Rxi-5 Sil MS，30m \times 0.25mm \times 0.25 μm

进样口温度：250 $^{\circ}\text{C}$

柱温程序：50 $^{\circ}\text{C}$ （1min）-(25 $^{\circ}\text{C}/\text{min}$)-150 $^{\circ}\text{C}$ -(10 $^{\circ}\text{C}/\text{min}$)-300 $^{\circ}\text{C}$ （5 min）

恒线速度方式：47.6 cm/sec

进样方式：不分流进样，不分流时间：1min

高压进样：250kPa（1min）

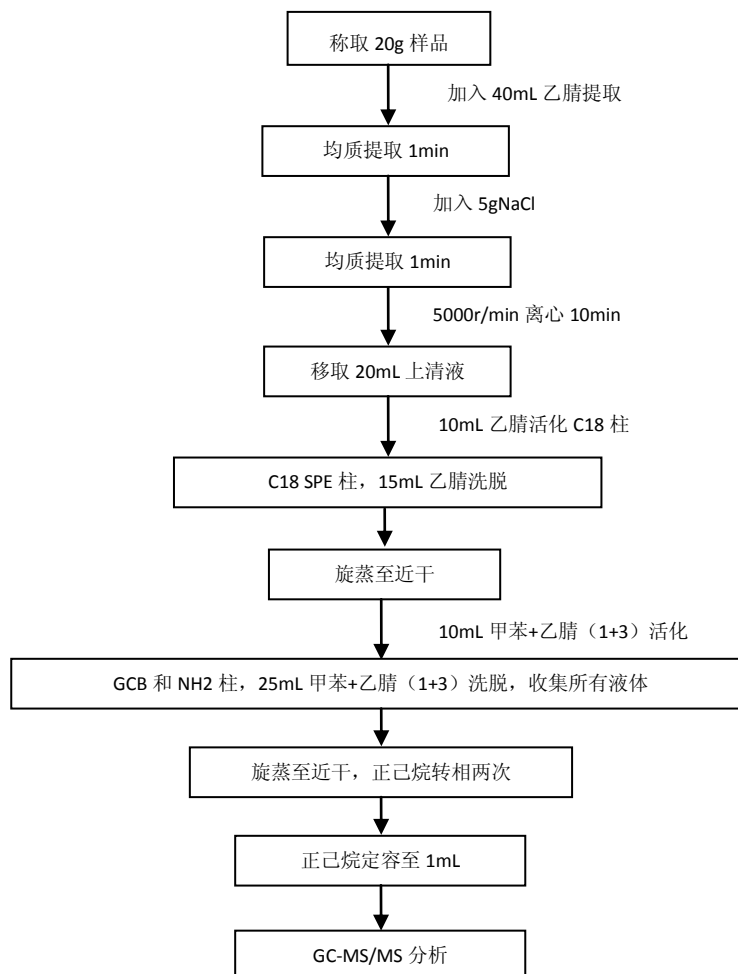
检测器电压：相对调谐电压+0.3kv

溶剂切割时间：1.5min

离子源：200 $^{\circ}\text{C}$

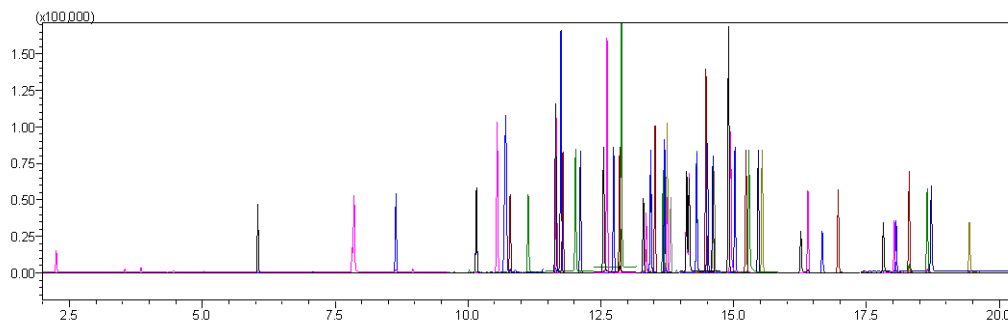
2.3 样品制备

样品前处理参照 GB/T 19648-2006 进行处理，见下图 1 所示。

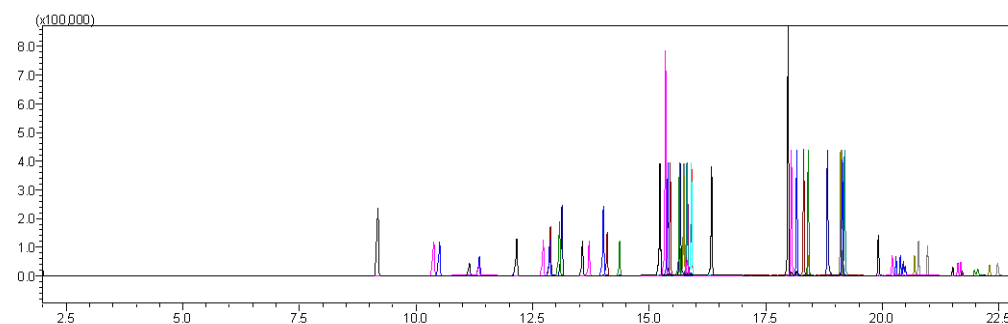


3. 农药混标 MRM 图

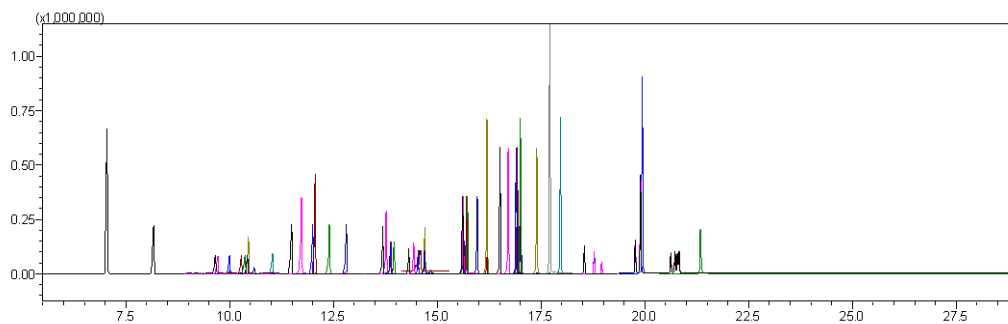
以下给出六组农药混标共 306 种农药的 MRM 色谱图。



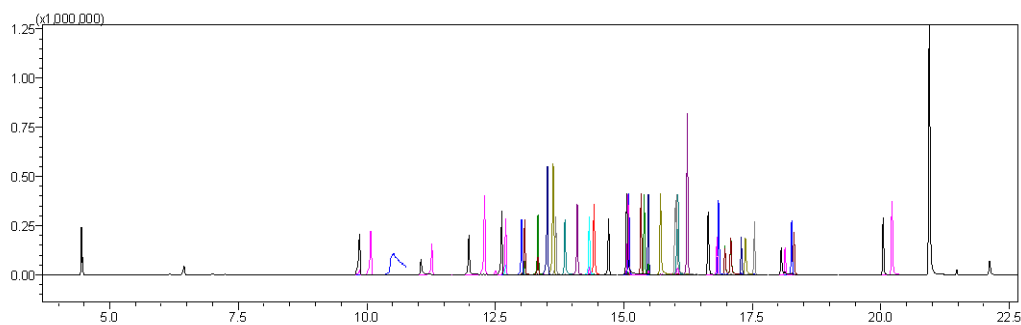
农药混标 1 的 MRM 图 (50ppb) (52 种农药)



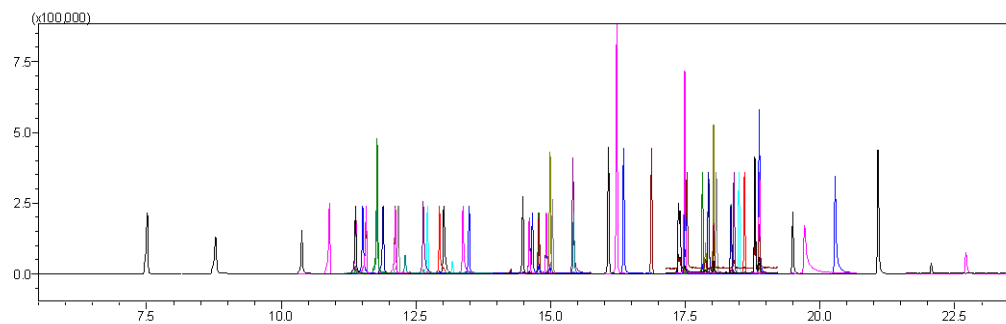
农药混标 2 的 MRM 图 (50ppb) (51 种农药)



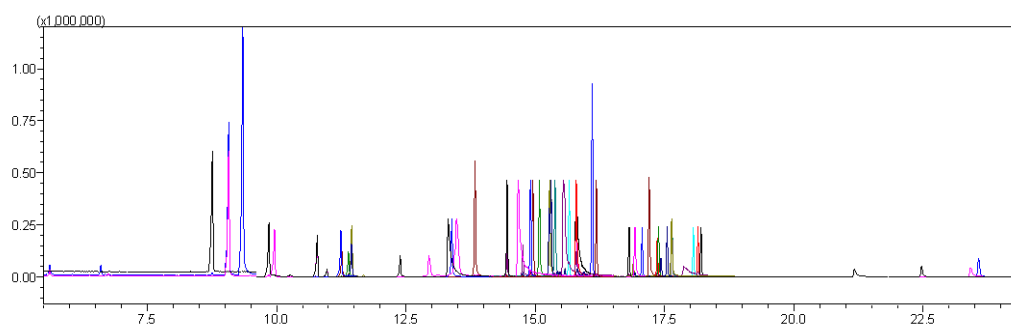
农药混标 3 的 MRM 图 (50ppb) (51 种农药)



农药混标 4 的 MRM 图 (50ppb) (50 种农药)



农药混标 5 的 MRM 图 (50ppb) (52 种农药)



农药混标 6 的 MRM 图 (50ppb) (50 种农药)

4. 306 种农药保留时间和监测离子

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|------------------|---------------|---------------|-------------|---------|----|---------|----|---------|----|
| 1 | Acetamiprid | 啉虫脒 | 17.880 | 135410-20-7 | 152>116 | 18 | 152>89 | 26 | 152>125 | 14 |
| 2 | Acetochlor | 乙草胺 | 12.700 | 34256-82-1 | 223>132 | 22 | 223>147 | 10 | 223>174 | 8 |
| 3 | Acrinathrin | 氟丙菊酯 | 19.100 | 101007-06-1 | 289>93 | 14 | 289>77 | 26 | 289>121 | 14 |
| 4 | Alachlor | 甲草胺 | 12.882 | 15972-60-8 | 188>160 | 10 | 188>132 | 18 | 188>117 | 26 |
| 5 | Allethrin | 丙烯菊酯 | 14.575,14.605 | 584-79-2 | 136>93 | 14 | 136>77 | 26 | 136>121 | 8 |
| 6 | Allidochlor | 草毒死 | 6.455 | 93-71-0 | 138>96 | 6 | 138>110 | 6 | 138>81 | 6 |
| 7 | alpha-Endosulfan | α -硫丹 | 15.235 | 959-98-8 | 339>160 | 18 | 339>267 | 4 | 339>196 | 20 |
| 8 | alpha-HCH | α -六六六 | 11.595 | 319-84-6 | 219>183 | 8 | 219>145 | 18 | 219>109 | 28 |
| 9 | Ametryn | 莠灭净 | 13.050 | 834-12-8 | 227>185 | 6 | 227>170 | 14 | 227>58 | 14 |
| 10 | Anilofos | 莎秕磷 | 18.310 | 64249-01-0 | 226>184 | 6 | 226>157 | 14 | 226>149 | 14 |
| 11 | Atrazine | 莠去津 | 11.361 | 1912-24-9 | 215>58 | 14 | 215>200 | 6 | 215>173 | 6 |
| 12 | Azaconazole | 氧环唑 | 15.819 | 60207-31-0 | 217>173 | 14 | 217>145 | 26 | 217>109 | 36 |
| 13 | Azinphos-methyl | 谷硫磷 | 18.730 | 86-50-0 | 160>132 | 6 | 160>77 | 20 | 160>51 | 28 |
| 14 | Azoxystrobin | 嘧菌酯 | 22.470 | 131860-33-8 | 344>329 | 16 | 344>183 | 24 | 344>156 | 32 |
| 15 | Benalaxyl | 苯霜灵 | 16.845 | 71626-11-4 | 148>105 | 16 | 148>133 | 14 | 148>79 | 24 |
| 16 | Benfluralin | 氟落灵 | 10.506 | 1861-40-1 | 292>264 | 8 | 292>206 | 12 | 292>160 | 22 |
| 17 | Benoxacor | 解草酮 | 12.400 | 98730-04-2 | 259>120 | 18 | 259>176 | 8 | 259>148 | 16 |
| 18 | beta-Endosulfan | β -硫丹 | 16.338 | 33213-65-9 | 339>267 | 8 | 339>160 | 16 | 339>195 | 10 |
| 19 | beta-HCH | β -六六六 | 11.410 | 319-85-7 | 219>183 | 8 | 219>147 | 20 | 219>109 | 28 |
| 20 | Bifenazate | 联苯肼酯 | 18.120 | 149877-41-8 | 300>258 | 8 | 300>199 | 20 | 300>170 | 28 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|---------------------|--------|--------|-------------|---------|----|---------|----|---------|----|
| 21 | Bifenox | 甲羧除草醚 | 18.312 | 42576-02-3 | 341>310 | 10 | 341>281 | 12 | 341>189 | 20 |
| 22 | Bifenthrin | 氟氯菊酯 | 17.976 | 82657-04-3 | 181>166 | 12 | 181>153 | 8 | 181>179 | 12 |
| 23 | Bioresmethrin | 生物芐呋菊酯 | 17.540 | 28434-01-7 | 171>128 | 14 | 171>143 | 6 | 171>91 | 24 |
| 24 | Biphenyl | 联苯 | 7.530 | 92-52-4 | 154>128 | 22 | 154>115 | 24 | 154>102 | 28 |
| 25 | Bitertanol | 双苯三唑醇 | 19.740 | 55179-31-2 | 170>141 | 22 | 170>115 | 28 | 170>55 | 22 |
| 26 | Bromacil | 除草定 | 13.490 | 314-40-9 | 205>188 | 14 | 205>162 | 14 | 205>132 | 24 |
| 27 | Bromobutide | 溴丁酰草胺 | 12.727 | 74712-19-9 | 232>114 | 8 | 232>176 | 10 | 232>82 | 22 |
| 28 | Bromoconazole | 溴克唑 | 17.960 | 116255-48-2 | 295>173 | 14 | 295>145 | 36 | 295>109 | 40 |
| 29 | Bromophos methyl | 甲基溴硫磷 | 14.098 | 2104-96-3 | 331>316 | 14 | 331>286 | 28 | 331>93 | 28 |
| 30 | Bromophos-ethyl | 乙基溴硫磷 | 14.915 | 4824-78-6 | 359>303 | 16 | 359>331 | 10 | 359>239 | 38 |
| 31 | Bromopropylate | 溴螨酯 | 18.046 | 18181-80-1 | 341>183 | 18 | 341>185 | 20 | 341>157 | 30 |
| 32 | Bupirimate | 磺嘧菌灵 | 15.735 | 41483-43-6 | 273>193 | 8 | 273>150 | 8 | 273>108 | 16 |
| 33 | Buprofezin | 噻嗪酮 | 15.745 | 69327-76-0 | 172>57 | 14 | 172>131 | 6 | 172>116 | 8 |
| 34 | Butachlor | 丁草胺 | 15.090 | 23184-66-9 | 188>160 | 12 | 188>146 | 14 | 188>132 | 18 |
| 35 | Butafenacil | 氟丙嘧草酯 | 20.050 | 134605-64-4 | 331>180 | 14 | 331>152 | 28 | 331>124 | 28 |
| 36 | Butamifos | 抑草磷 | 15.240 | 36335-67-8 | 286>202 | 14 | 286>185 | 30 | 286>258 | 8 |
| 37 | Cadusafos | 克线丹 | 10.715 | 95465-99-9 | 159>131 | 8 | 159>97 | 18 | 159>65 | 28 |
| 38 | Cafenstrole | 苯酮唑 | 20.216 | 125306-83-4 | 188>119 | 20 | 188>82 | 18 | 188>91 | 28 |
| 39 | Captafol | 敌菌丹 | 17.560 | 2425-06-1 | 79>77 | 14 | 79>51 | 20 | 79>53 | 18 |
| 40 | Captan | 克菌丹 | 14.700 | 133-06-2 | 149>105 | 4 | 149>79 | 14 | 149>70 | 18 |
| 41 | Carbofuran | 克百威 | 11.260 | 1563-66-2 | 164>149 | 8 | 164>131 | 18 | 164>103 | 24 |
| 42 | Carboxin | 萎锈灵 | 15.780 | 5234-68-4 | 235>143 | 12 | 235>87 | 24 | 235>166 | 12 |
| 43 | Carfentrazone-ethyl | 氟酮唑草 | 16.815 | 128639-02-1 | 340>312 | 14 | 340>151 | 28 | 340>262 | 26 |
| 44 | Chinomethionat | 灭螨猛 | 15.025 | 2439-01-2 | 234>206 | 8 | 234>148 | 24 | 234>116 | 24 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|---------------------|---------|--------|-------------|---------|----|---------|----|---------|----|
| 45 | Chlorbenside | 氯杀螨 | 14.960 | 103-17-3 | 125>89 | 16 | 125>99 | 18 | 125>63 | 24 |
| 46 | Chlorbufam | 氯炔灵 | 11.400 | 1967-16-4 | 223>171 | 6 | 223>53 | 18 | 223>127 | 14 |
| 47 | Chlorethoxyfos | 氯氧磷 | 9.970 | 54593-83-8 | 153>125 | 4 | 153>97 | 12 | 153>65 | 24 |
| 48 | Chlorfenapyr | 虫螨睛 | 15.906 | 122453-73-0 | 247>227 | 16 | 247>200 | 24 | 247>75 | 24 |
| 49 | Chlorfenson | 杀螨酯 | 15.403 | 80-33-1 | 302>175 | 14 | 251>111 | 28 | 251>75 | 32 |
| 50 | (E)-Chlorfenvinphos | (E)-毒虫畏 | 14.310 | 18708-86-6 | 323>267 | 14 | 323>295 | 6 | 323>159 | 26 |
| 51 | (Z)-Chlorfenvinphos | (Z)-毒虫畏 | 14.515 | 18708-87-7 | 323>267 | 16 | 323>295 | 6 | 323>159 | 28 |
| 52 | Chlornitrofen | 草枯醚 | 16.895 | 1836-77-7 | 317>287 | 14 | 317>236 | 14 | 317>196 | 24 |
| 53 | Chlorobenzilate | 乙酯杀螨醇 | 16.235 | 510-15-6 | 251>139 | 14 | 251>111 | 28 | 251>75 | 32 |
| 54 | Chloroneb | 地茂散 | 8.765 | 2675-77-6 | 206>191 | 12 | 206>141 | 20 | 206>113 | 24 |
| 55 | Chloropropylate | 丙酯杀螨醇 | 16.250 | 5836-10-2 | 251>139 | 14 | 251>111 | 26 | 251>75 | 26 |
| 56 | Iprobenphos | 异稻瘟净 | 12.295 | 26087-47-8 | 204>91 | 8 | 204>122 | 12 | 204>171 | 6 |
| 57 | Chlorpropham | 氯苯胺灵 | 10.384 | 101-21-3 | 213>171 | 6 | 213>127 | 14 | 213>154 | 8 |
| 58 | Chlorpyrifos | 毒死蜱 | 13.675 | 2921-88-2 | 314>258 | 14 | 314>286 | 8 | 314>194 | 28 |
| 59 | Chlorpyrifos-methyl | 甲基毒死蜱 | 12.745 | 5598-13-0 | 286>93 | 22 | 286>271 | 14 | 286>241 | 26 |
| 60 | Chlorthal-dimethyl | 氯酞酸二甲酯 | 13.775 | 1861-32-1 | 301>273 | 14 | 301>223 | 26 | 301>258 | 22 |
| 61 | Chlozolate | 乙菌利 | 14.470 | 84332-86-5 | 331>259 | 6 | 331>186 | 20 | 331>216 | 8 |
| 62 | Cinidon-ethyl | 吡啶酮草酯 | 23.570 | 142891-20-1 | 358>330 | 14 | 358>302 | 28 | 358>107 | 26 |
| 63 | Clomazone | 广灭灵 | 11.470 | 81777-89-1 | 204>107 | 20 | 204>78 | 26 | 204>68 | 24 |
| 64 | Clomeprop | 氯甲酞草胺 | 18.406 | 84496-56-0 | 288>120 | 22 | 288>169 | 16 | 288>132 | 20 |
| 65 | Coumaphos | 蝇毒磷 | 19.803 | 56-72-4 | 362>109 | 14 | 362>226 | 12 | 362>210 | 16 |
| 66 | Cyanazine | 氰草津 | 13.711 | 21725-46-2 | 240>225 | 6 | 240>172 | 14 | 240>186 | 10 |
| 67 | Cyanophenphos | 苯腈磷 | 16.935 | 13067-93-1 | 303>141 | 14 | 303>169 | 4 | 303>77 | 28 |
| 68 | Cyanophos | 杀螟腈 | 11.660 | 2636-26-2 | 243>109 | 14 | 243>116 | 6 | 243>148 | 6 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|---|---------|-----------------------------|-------------|---------|----|---------|----|---------|----|
| 69 | Cyflufenamid | 环氟菌胺 | 15.902 | 180409-60-3 | 412>118 | 26 | 412>295 | 8 | 412>223 | 20 |
| 70 | Cyfluthrin | 氟氯氰菊酯 | 20.290,20.391,20.447,20.485 | 68359-37-5 | 226>206 | 14 | 226>199 | 6 | 226>151 | 28 |
| 71 | Cyhalofop-butyl | 氰氟草酯 | 18.819 | 122008-85-9 | 357>256 | 10 | 357>229 | 14 | 357>120 | 24 |
| 72 | Cyhalothrin | 氯氟氰菊酯 | 18.785,18.965 | 68085-85-8 | 197>161 | 8 | 197>141 | 12 | 197>91 | 26 |
| 73 | Cypermethrin | 氯氰菊酯 | 20.630,20.730,20.790,20.825 | 52315-07-8 | 181>152 | 22 | 181>127 | 22 | 181>77 | 24 |
| 74 | Cyproconazole | 环丙唑醇 | 16.000 | 94361-06-5 | 222>125 | 24 | 222>82 | 12 | 222>153 | 12 |
| 75 | Cyprodinil | 啞菌环胺 | 14.330 | 121552-61-2 | 224>208 | 16 | 224>197 | 22 | 224>131 | 14 |
| 76 | DCIP | 二氯异丙醚 | 4.445 | 108-60-1 | 121>45 | 4 | 121>77 | 8 | 121>49 | 24 |
| 77 | delta-HCH | δ-六六六 | 12.145 | 319-86-8 | 219>183 | 10 | 219>145 | 22 | 219>109 | 28 |
| 78 | Deltamethrin | 溴氰菊酯 | 22.292 | 52918-63-5 | 253>93 | 18 | 253>172 | 4 | 253>77 | 26 |
| 79 | Desmedipham | 甜菜安 | 11.065 | 13684-56-5 | 181>109 | 14 | 181>122 | 12 | 181>153 | 8 |
| 80 | Di-allate | 燕麦敌 | 10.783,10.969 | 2303-16-4 | 234>150 | 20 | 234>192 | 14 | 234>107 | 26 |
| 81 | Diazinon | 二嗪磷 | 11.790 | 333-41-5 | 304>179 | 10 | 304>162 | 8 | 304>137 | 26 |
| 82 | Dichlobenil | 敌草腈 | 7.060 | 1194-65-6 | 171>100 | 24 | 171>136 | 14 | 171>110 | 14 |
| 83 | Dichlofenthion | 除线磷 | 12.620 | 97-17-6 | 279>223 | 14 | 279>251 | 8 | 279>205 | 30 |
| 84 | Dichlofluanid | 苯氟磺胺 | 13.520 | 1085-98-9 | 224>123 | 8 | 224>77 | 28 | 224>96 | 24 |
| 85 | Dichlofluanid metabolite | 苯氟磺胺代谢物 | 10.435 | 0 | 200>45 | 8 | 200>108 | 14 | 200>93 | 8 |
| 86 | 1,1-Dichloro-2,2-bis(4-ethylphenyl)ethane | 乙滴涕 | 12.098 | 72-56-0 | 223>167 | 14 | 223>179 | 22 | 223>193 | 28 |
| 87 | Dichlorvos | 敌敌畏 | 6.045 | 62-73-7 | 185>93 | 14 | 185>109 | 14 | 185>63 | 22 |
| 88 | Diclobutrazol | 苄氯三唑醇 | 15.808 | 75736-33-3 | 270>159 | 14 | 270>201 | 8 | 270>173 | 14 |
| 89 | Diclocymet | 双氯氰菌胺 | 14.645,14.960 | 139920-32-4 | 277>221 | 14 | 277>155 | 26 | 277>57 | 22 |
| 90 | Diclofop methyl | 禾草灵甲酯 | 17.380 | 51338-27-3 | 340>253 | 14 | 340>281 | 10 | 340>120 | 24 |
| 91 | Dicloran | 氯硝胺 | 11.146 | 99-30-9 | 206>176 | 10 | 206>160 | 16 | 206>124 | 24 |
| 92 | dicofol | 三氯杀螨醇 | 13.859 | 115-32-2 | 251>216 | 8 | 251>139 | 16 | 251>111 | 28 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|---------------------|-----------|---------------|-------------|---------|----|---------|----|---------|----|
| 93 | Dicrotophos | 百治磷 | 10.430 | 141-66-2 | 127>109 | 12 | 127>95 | 18 | 127>79 | 20 |
| 94 | Diethofencarb | 乙霉威 | 13.680 | 87130-20-9 | 267>225 | 8 | 267>196 | 14 | 267>168 | 20 |
| 95 | Difenoconazole | 恶醚唑 | 21.973,22.035 | 119446-68-3 | 323>265 | 14 | 323>202 | 28 | 323>209 | 28 |
| 96 | Diflufenican | 吡氟酰草胺 | 17.400 | 83164-33-4 | 394>266 | 14 | 394>374 | 4 | 394>246 | 30 |
| 97 | Dimepiperate | 啶草丹 | 14.705 | 61432-55-1 | 145>112 | 8 | 145>69 | 18 | 145>84 | 18 |
| 98 | Dimethametryn | 异戊乙净 | 14.420 | 22936-75-0 | 212>122 | 12 | 212>94 | 22 | 212>71 | 18 |
| 99 | Dimethenamid | 二甲酚噻草胺 | 12.630 | 87674-68-8 | 230>154 | 10 | 230>137 | 20 | 230>111 | 22 |
| 100 | Dimethipin | 噻节因 | 11.348 | 55290-64-7 | 118>58 | 6 | 118>90 | 4 | 118>73 | 2 |
| 101 | Dimethoate | 乐果 | 11.140 | 60-51-5 | 125>79 | 8 | 125>47 | 14 | 125>62 | 10 |
| 102 | (E)-Dimethylvinphos | (E)-甲基毒虫畏 | 13.445 | 71363-52-5 | 295>109 | 14 | 295>79 | 28 | 295>280 | 16 |
| 103 | (Z)-Dimethylvinphos | (Z)-甲基毒虫畏 | 13.710 | 67628-93-7 | 295>109 | 14 | 295>93 | 12 | 295>79 | 26 |
| 104 | Diphenamid | 草乃敌 | 14.105 | 957-51-7 | 167>152 | 20 | 167>128 | 26 | 167>141 | 22 |
| 105 | Diphenylamine | 二苯胺 | 10.085 | 122-39-4 | 169>66 | 24 | 169>77 | 28 | 169>141 | 24 |
| 106 | Disulfoton | 乙拌磷 | 12.005 | 298-04-4 | 186>97 | 16 | 186>153 | 6 | 186>125 | 10 |
| 107 | Disulfoton sulfone | 乙拌磷砒 | 15.100 | 2497-06-5 | 213>153 | 6 | 213>125 | 12 | 213>97 | 20 |
| 108 | Dithiopyr | 氟硫草定 | 13.129 | 97886-45-8 | 354>306 | 8 | 354>286 | 14 | 354>210 | 28 |
| 109 | Edifenphos | 敌瘟磷 | 16.975 | 17109-49-8 | 310>173 | 14 | 310>109 | 26 | 310>201 | 6 |
| 110 | Endosulfan sulfate | 硫丹硫酸酯 | 17.080 | 1031-07-8 | 387>289 | 10 | 387>253 | 16 | 387>241 | 22 |
| 111 | EPN | 苯硫磷 | 18.030 | 2104-64-5 | 169>141 | 8 | 169>77 | 22 | 169>159 | 6 |
| 112 | Epoxiconazole | 氟环唑 | 17.645 | 106325-08-0 | 192>138 | 14 | 192>111 | 26 | 192>165 | 8 |
| 113 | Esprocarb | 禾草畏 | 13.515 | 85785-20-2 | 222>91 | 14 | 222>162 | 8 | 222>151 | 6 |
| 114 | Ethalfuralin | 丁氟消草 | 10.290 | 55283-68-6 | 316>276 | 10 | 316>202 | 24 | 316>248 | 20 |
| 115 | Ethion | 乙硫磷 | 16.405 | 563-12-2 | 231>175 | 14 | 231>185 | 12 | 231>129 | 24 |
| 116 | Ethofenprox | 醚菊唑 | 20.945 | 80844-07-1 | 163>135 | 10 | 163>107 | 18 | 163>95 | 18 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|----------------------|-----------|---------------|-------------|---------|----|---------|----|---------|----|
| 117 | Ethofumesate | 乙炔草黄 | 13.405 | 26225-79-6 | 286>207 | 8 | 286>161 | 18 | 286>179 | 16 |
| 118 | Ethoprophos | 灭线磷 | 10.165 | 13194-48-4 | 200>158 | 6 | 200>114 | 14 | 200>97 | 24 |
| 119 | Etobenzanid | 乙氧苯草胺 | 20.220 | 79540-50-4 | 179>59 | 10 | 179>149 | 6 | 179>121 | 14 |
| 120 | Etoxazole | 乙螨唑 | 18.135 | 153233-91-1 | 359>187 | 14 | 359>340 | 12 | 359>330 | 14 |
| 121 | Etoxazole metabolite | 乙螨唑代谢物 | 18.305 | 0 | 246>84 | 14 | 246>57 | 16 | 246>190 | 8 |
| 122 | Etridiazol | 土菌灵 | 8.180 | 2593-15-9 | 211>183 | 10 | 211>140 | 22 | 211>108 | 34 |
| 123 | Etrimfos | 乙嘧硫磷 | 12.120 | 38260-54-7 | 292>181 | 8 | 292>153 | 20 | 292>125 | 24 |
| 124 | Famoxadone | 恶唑菌酮 | 22.750 | 131807-57-3 | 330>224 | 10 | 330>196 | 22 | 330>237 | 10 |
| 125 | Fenamidone | 咪唑菌酮 | 18.220 | 161326-34-7 | 268>180 | 16 | 268>77 | 28 | 268>92 | 22 |
| 126 | Fenamiphos | 苯线磷 | 15.305 | 22224-92-6 | 303>195 | 8 | 303>154 | 18 | 303>122 | 20 |
| 127 | Fenarimol | 氯苯嘧啶醇 | 19.187 | 60168-88-9 | 251>139 | 14 | 251>111 | 26 | 251>93 | 24 |
| 128 | Fenbuconazole | 腈苯唑 | 20.315 | 114369-43-6 | 198>129 | 10 | 198>102 | 24 | 198>78 | 28 |
| 129 | Fenclorphos | 皮蝇磷 | 13.075 | 299-84-3 | 285>270 | 16 | 285>93 | 24 | 285>240 | 26 |
| 130 | Fenitrothion | 杀螟硫磷 | 13.360 | 122-14-5 | 277>260 | 6 | 277>109 | 14 | 277>228 | 14 |
| 131 | Fenothiocarb | 苯硫威 | 15.105 | 62850-32-2 | 160>72 | 10 | 160>106 | 12 | 160>55 | 16 |
| 132 | Fenoxanil | 稻瘟酰胺 | 16.050 | 115852-48-7 | 293>198 | 14 | 293>155 | 22 | 293>96 | 16 |
| 133 | Fenoxaprop-ethyl | 恶唑禾草灵(乙酯) | 19.520 | 66441-23-4 | 361>288 | 12 | 361>261 | 12 | 361>119 | 22 |
| 134 | Fenoxycarb | 苯氧威 | 18.065 | 79127-80-3 | 186>109 | 14 | 186>129 | 14 | 186>81 | 26 |
| 135 | Fenpropathrin | 甲氧菊酯 | 18.159 | 64257-84-7 | 265>210 | 12 | 265>172 | 14 | 265>89 | 28 |
| 136 | Fensulfothion | 丰索磷 | 16.275 | 115-90-2 | 293>153 | 8 | 293>125 | 14 | 293>141 | 12 |
| 137 | Fenthion | 倍硫磷 | 13.755 | 55-38-9 | 278>109 | 20 | 278>125 | 20 | 278>169 | 14 |
| 138 | Fenvalerate | 氰戊菊酯 | 21.505,21.714 | 51630-58-1 | 419>225 | 6 | 419>167 | 12 | 419>125 | 26 |
| 139 | Fipronil | 氟虫腈 | 14.365 | 120068-37-3 | 367>213 | 30 | 367>255 | 22 | 367>332 | 14 |
| 140 | Flamprop methyl | 麦草伏甲酯 | 15.653 | 52756-25-9 | 276>105 | 10 | 276>77 | 28 | 276>232 | 26 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|------------------------|----------|---------------|-------------|---------|----|---------|----|---------|----|
| 141 | Fluacrypyrim | 嘧啶酯 | 16.520 | 178813-81-5 | 352>188 | 10 | 352>320 | 6 | 352>215 | 12 |
| 142 | Flucythrinate | 氟氰戊菊酯 | 20.773,20.966 | 70124-77-5 | 199>157 | 8 | 199>107 | 22 | 199>171 | 8 |
| 143 | Fludioxonil | 咯菌腈 | 15.470 | 131341-86-1 | 248>182 | 14 | 248>154 | 20 | 248>127 | 26 |
| 144 | Flufenpyr-ethyl | 氟吡嗪草酯 | 16.190 | 188489-07-8 | 408>345 | 16 | 408>321 | 14 | 408>305 | 18 |
| 145 | Flumiclorac-pentyl | 氟烯草酸 | 22.470 | 87546-18-7 | 423>318 | 12 | 423>308 | 14 | 423>353 | 8 |
| 146 | Flumioxazin | 丙炔氟草胺 | 21.480 | 103361-09-7 | 354>326 | 8 | 354>176 | 20 | 354>312 | 8 |
| 147 | Fluquinconazole | 氟唑啉 | 19.908 | 136426-54-5 | 340>298 | 20 | 340>313 | 14 | 340>108 | 28 |
| 148 | Fluridone | 氟啶草酮 | 21.190 | 59756-60-4 | 328>259 | 24 | 328>313 | 22 | 328>127 | 24 |
| 149 | Flusilazole | 氟硅唑 | 15.715 | 85509-19-9 | 233>165 | 14 | 233>152 | 14 | 233>91 | 22 |
| 150 | Flusilazole metabolite | 氟硅唑代谢物 | 10.435 | 0 | 235>77 | 22 | 235>95 | 28 | 235>139 | 14 |
| 151 | Flutolanil | 纹枯胺 | 15.348 | 66332-96-5 | 173>145 | 14 | 173>95 | 26 | 173>125 | 26 |
| 152 | Flutriafol | 粉唑醇 | 15.300 | 76674-21-0 | 219>123 | 14 | 219>95 | 28 | 219>75 | 32 |
| 153 | Fluvalinate | 氟氰胺菊酯 | 21.616,21.680 | 69409-94-5 | 250>55 | 18 | 250>200 | 20 | 250>208 | 20 |
| 154 | Folpet | 灭菌丹 | 14.820 | 133-07-3 | 260>130 | 14 | 260>95 | 20 | 260>102 | 28 |
| 155 | Fonofos | 地虫硫磷 | 11.755 | 944-22-9 | 246>109 | 18 | 246>137 | 6 | 246>81 | 26 |
| 156 | Formothion | 安果磷 | 12.410 | 2540-82-1 | 224>125 | 18 | 224>155 | 12 | 224>109 | 22 |
| 157 | Fosthiazate | 噻唑磷 | 14.125,14.170 | 98886-44-3 | 283>195 | 8 | 283>103 | 18 | 283>139 | 14 |
| 158 | Fthalide | 四氯苯酞 | 14.018 | 27355-22-2 | 243>215 | 14 | 243>179 | 26 | 243>142 | 32 |
| 159 | Furametpyr | 呋吡菌胺 | 18.445 | 123572-88-3 | 298>176 | 24 | 298>123 | 22 | 298>268 | 28 |
| 160 | Furametpyr metabolite | 呋吡菌胺代谢物 | 18.905 | 0 | 296>278 | 14 | 296>263 | 22 | 296>220 | 24 |
| 161 | Furilazole | 解草恶唑 | 11.270 | 121776-33-8 | 262>220 | 8 | 262>83 | 24 | 262>93 | 22 |
| 162 | gama-HCH | γ-六六六/林丹 | 10.910 | 58-89-9 | 219>183 | 8 | 219>147 | 20 | 219>109 | 28 |
| 163 | Halfenprox | 苯醚醚 | 20.686 | 111872-58-3 | 263>235 | 14 | 263>117 | 14 | 263>129 | 26 |
| 164 | Hexaconazole | 己唑醇 | 15.455 | 79983-71-4 | 214>172 | 20 | 214>159 | 20 | 214>187 | 14 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|------------------------------|-------------|---------------|-------------|---------|----|---------|----|---------|----|
| 165 | Hexazinone | 环嗪酮 | 17.200 | 51235-04-2 | 171>71 | 16 | 171>85 | 16 | 171>101 | 12 |
| 166 | Imazamethabenz-methyl | 甲基咪草酯 | 15.031,15.303 | 81405-85-8 | 256>187 | 6 | 256>144 | 20 | 256>70 | 16 |
| 167 | Imibenconazol desbenzyl type | 酰胺唑-脱苯甲基 | 15.798 | 154221-27-9 | 235>166 | 10 | 235>138 | 28 | 235>153 | 30 |
| 168 | Imibenconazole | 酰胺唑 | 23.420 | 86598-92-7 | 375>260 | 22 | 375>306 | 12 | 375>271 | 18 |
| 169 | Indoxacarb | 茚虫威 | 22.115 | 144171-61-9 | 264>176 | 14 | 264>232 | 6 | 264>148 | 26 |
| 170 | Iprodione | 异菌脲 | 17.855 | 36734-19-7 | 314>245 | 12 | 314>56 | 22 | 314>271 | 10 |
| 171 | Iprodione metabolite | 异菌脲代谢物 | 18.540 | 63637-89-8 | 329>142 | 10 | 329>127 | 14 | 329>99 | 24 |
| 172 | Isazophos | 氯唑磷 | 12.030 | 42509-80-8 | 161>119 | 10 | 161>103 | 25 | 0 | 0 |
| 173 | Isocarbophos | 水胺硫磷 | 13.900 | 24353-61-5 | 289>136 | 14 | 289>113 | 6 | 289>108 | 28 |
| 174 | Isofenphos | 异柳磷 | 14.485 | 25311-71-1 | 213>121 | 14 | 213>185 | 6 | 213>93 | 26 |
| 175 | Isofenphos methyl | 甲基异柳磷 | 14.093 | 99675-03-3 | 241>199 | 8 | 241>121 | 22 | 199>121 | 14 |
| 176 | Isofenphos oxon | 牛津郡异柳磷 | 13.845 | 31120-85-1 | 229>201 | 10 | 229>121 | 26 | 229>93 | 30 |
| 177 | Isoprocarb | 异丙威 | 9.085 | 2631-40-5 | 136>121 | 10 | 136>103 | 22 | 136>77 | 26 |
| 178 | Isoprothiolane | 稻瘟灵 | 15.452 | 50512-35-1 | 290>118 | 14 | 290>204 | 6 | 290>162 | 14 |
| 179 | Isoxadifen-ethyl | 双苯恶唑酸乙酯 | 16.809 | 163520-33-0 | 294>204 | 16 | 294>266 | 6 | 294>177 | 28 |
| 180 | Isoxathion | 恶唑磷 | 15.970 | 18854-01-8 | 313>177 | 8 | 313>130 | 20 | 313>105 | 14 |
| 181 | Kresoxim-methyl | 苯氧菊酯 | 15.740 | 143390-89-0 | 206>116 | 6 | 206>131 | 14 | 206>59 | 16 |
| 182 | Malathion | 马拉硫磷 | 13.530 | 121-75-5 | 173>127 | 6 | 173>99 | 14 | 173>145 | 6 |
| 183 | MCPA-thioethyl | 2-甲-4-氯硫代乙酯 | 12.195 | 25319-90-8 | 125>89 | 0 | 0 | 0 | 0 | 0 |
| 184 | Mecarbam | 灭蚜磷 | 14.545 | 2595-54-2 | 329>131 | 18 | 329>159 | 4 | 329>97 | 26 |
| 185 | Mefenacet | 苯噻草胺 | 18.920 | 73250-68-7 | 192>136 | 14 | 192>109 | 24 | 192>77 | 26 |
| 186 | Mefenpyr-diethyl | 吡啶解草酯 | 17.660 | 135590-91-9 | 299>253 | 10 | 299>227 | 12 | 299>190 | 28 |
| 187 | Mepronil | 灭锈胺 | 16.650 | 55814-41-0 | 269>119 | 14 | 269>227 | 6 | 269>210 | 6 |
| 188 | Metalaxyl-M | 甲霜灵 | 13.015 | 57837-19-1 | 249>146 | 22 | 249>190 | 8 | 249>217 | 6 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|-------------------------|----------|--------|-------------|---------|----|---------|----|---------|----|
| 189 | Methacrifos | 虫螨畏 | 8.645 | 62610-77-9 | 240>208 | 4 | 240>180 | 10 | 240>110 | 20 |
| 190 | methamidophos | 甲胺磷 | 5.753 | 10265-92-6 | 141>95 | 8 | 141>126 | 4 | 141>79 | 22 |
| 191 | Methidathion | 杀扑磷 | 14.915 | 950-37-8 | 145>85 | 8 | 145>58 | 14 | 145>71 | 6 |
| 192 | Methoprene | 烯虫酯 | 14.805 | 40596-69-8 | 191>135 | 8 | 191>121 | 8 | 191>149 | 8 |
| 193 | Methoxychlor | 甲氧滴滴涕 | 18.155 | 72-43-5 | 227>169 | 24 | 227>212 | 14 | 227>141 | 28 |
| 194 | Metolachlor | 异丙甲草胺 | 13.630 | 51218-45-2 | 238>162 | 12 | 238>133 | 26 | 238>77 | 24 |
| 195 | (E)-Metominostrobin | (E)-苯氧菌胺 | 15.405 | 133408-50-1 | 238>210 | 14 | 238>197 | 24 | 238>91 | 24 |
| 196 | (Z)-Metominostrobin | (Z)-苯氧菌胺 | 15.810 | 133408-51-2 | 238>210 | 16 | 238>197 | 26 | 238>181 | 26 |
| 197 | Metribuzin | 嗪草酮 | 12.760 | 21087-64-9 | 198>82 | 14 | 198>110 | 10 | 198>153 | 8 |
| 198 | Metyl Demeton | 内吸磷-S-甲基 | 10.005 | 919-86-8 | 142>112 | 6 | 142>79 | 14 | 142>47 | 26 |
| 199 | Mevinphos | 速灭磷 | 7.860 | 7786-34-7 | 192>164 | 4 | 192>127 | 12 | 192>109 | 24 |
| 200 | Molinate | 禾草敌 | 9.183 | 2212-67-1 | 126>55 | 14 | 126>83 | 6 | 126>98 | 4 |
| 201 | Monocrotophos | 久效磷 | 10.600 | 6923-22-4 | 127>109 | 12 | 127>95 | 16 | 127>79 | 20 |
| 202 | Myclobutanil | 腈菌唑 | 15.667 | 88671-89-0 | 179>125 | 14 | 179>152 | 8 | 179>90 | 26 |
| 203 | Naled | 二溴磷 | 10.380 | 300-76-5 | 185>93 | 14 | 185>109 | 16 | 185>63 | 26 |
| 204 | 2-(1-Naphthyl)acetamide | 1-萘酰胺 | 13.320 | 86-86-2 | 185>141 | 22 | 185>115 | 30 | 185>168 | 6 |
| 205 | Napropamide | 敌草胺 | 15.345 | 15299-99-7 | 128>72 | 6 | 128>57 | 12 | 128>100 | 8 |
| 206 | Niralin | 甲磺乐灵 | 17.540 | 4726-14-1 | 316>274 | 8 | 316>216 | 14 | 316>169 | 20 |
| 207 | Nitrofen | 除草醚 | 16.100 | 1836-75-5 | 283>162 | 24 | 283>253 | 12 | 283>202 | 14 |
| 208 | Nitrothal-isopropyl | 酞菌酯 | 13.965 | 10552-74-6 | 254>212 | 10 | 254>165 | 22 | 254>65 | 26 |
| 209 | Norflurazon | 氟草敏 | 16.950 | 27314-13-2 | 303>145 | 22 | 303>173 | 10 | 303>102 | 24 |
| 210 | Omethoate | 氧化乐果 | 9.655 | 1113-02-6 | 156>110 | 8 | 156>141 | 4 | 156>79 | 22 |
| 211 | o,p'-DDT | o,p'-DDT | 16.365 | 789-02-6 | 235>165 | 24 | 235>199 | 16 | 235>149 | 40 |
| 212 | Oxabetrinil | 解草腈 | 12.330 | 74782-23-3 | 129>77 | 8 | 129>51 | 26 | 129>102 | 12 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|--------------------|----------|---------------|-------------|---------|----|---------|----|---------|----|
| 213 | Oxadiazon | 恶草酮 | 15.615 | 19666-30-9 | 258>175 | 8 | 258>112 | 28 | 258>147 | 14 |
| 214 | Oxadixyl | 恶霜灵 | 16.410 | 77732-09-3 | 163>132 | 8 | 163>117 | 24 | 163>105 | 24 |
| 215 | Oxyfluorfen | 乙氧氟草醚 | 15.710 | 42874-03-3 | 361>300 | 14 | 361>252 | 20 | 361>317 | 6 |
| 216 | Paclobutrazol | 多效唑 | 15.060 | 76738-62-0 | 236>125 | 14 | 236>167 | 10 | 236>132 | 16 |
| 217 | Parathion | 对硫磷 | 13.825 | 56-38-2 | 291>109 | 14 | 291>137 | 6 | 291>81 | 24 |
| 218 | Parathion-methyl | 甲基对硫磷 | 12.865 | 298-00-0 | 263>109 | 14 | 263>136 | 8 | 263>246 | 6 |
| 219 | Penconazole | 戊菌唑 | 14.435 | 66246-88-6 | 248>192 | 14 | 248>157 | 26 | 248>206 | 18 |
| 220 | Pendimethalin | 二甲戊乐灵 | 14.320 | 40487-42-1 | 252>162 | 10 | 252>191 | 8 | 252>208 | 6 |
| 221 | Pentoxazone | 恶嗪酮 | 18.640 | 110956-75-7 | 285>70 | 14 | 285>187 | 10 | 285>108 | 26 |
| 222 | Permethrin | 氯菊酯 | 19.775,19.900 | 52645-53-1 | 183>168 | 14 | 183>165 | 12 | 183>153 | 14 |
| 223 | Phenthoate | 稻丰散 | 14.620 | 2597-03-7 | 274>125 | 20 | 274>246 | 6 | 274>93 | 14 |
| 224 | Phorate | 甲拌磷 | 10.795 | 298-02-2 | 260>75 | 8 | 260>231 | 4 | 260>47 | 26 |
| 225 | Phosalone | 伏杀磷 | 18.655 | 2310-17-0 | 182>111 | 14 | 182>138 | 8 | 182>102 | 14 |
| 226 | Phosmet | 亚胺硫磷 | 17.975 | 732-11-6 | 160>133 | 14 | 160>77 | 24 | 160>105 | 18 |
| 227 | Phosphamidon | 磷胺 | 12.565 | 13171-21-6 | 264>127 | 12 | 264>193 | 8 | 264>72 | 12 |
| 228 | Picolinafen | 氟吡草胺 | 18.065 | 137641-05-5 | 376>239 | 12 | 376>348 | 8 | 376>266 | 12 |
| 229 | Piperonyl butoxide | 增效醚 | 17.515 | 51-03-6 | 176>131 | 12 | 176>117 | 20 | 176>103 | 24 |
| 230 | Piperophos | 哌草磷 | 18.065 | 24151-93-7 | 320>122 | 14 | 320>82 | 26 | 320>55 | 30 |
| 231 | Pirimiphos methyl | 甲基嘧啶磷 | 13.310 | 29232-93-7 | 305>180 | 8 | 305>290 | 12 | 305>125 | 28 |
| 232 | p,p'-DDD | p,p'-DDD | 16.309 | 72-54-8 | 235>165 | 24 | 235>199 | 14 | 235>99 | 30 |
| 233 | p,p'-DDE | p,p'-DDE | 15.520 | 72-55-9 | 246>176 | 28 | 246>211 | 22 | 246>160 | 26 |
| 234 | p,p'-DDT | p,p'-DDT | 17.022 | 50-29-3 | 235>165 | 22 | 235>199 | 14 | 235>99 | 30 |
| 235 | Pretilachlor | 丙草胺 | 15.475 | 51218-49-6 | 262>202 | 10 | 262>174 | 18 | 262>145 | 26 |
| 236 | Procymidone | 腐霉利 | 14.705 | 32809-16-8 | 283>96 | 10 | 283>255 | 12 | 283>68 | 24 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|------------------------|---------|---------------|-------------|---------|----|---------|----|---------|----|
| 237 | Profenofos | 丙溴磷 | 15.540 | 41198-08-7 | 337>267 | 14 | 337>309 | 6 | 337>295 | 10 |
| 238 | Prometryn | 扑草净 | 13.075 | 7287-19-6 | 241>199 | 6 | 241>58 | 14 | 241>184 | 12 |
| 239 | Propachlor | 毒草安 | 9.865 | 1918-16-7 | 176>57 | 8 | 176>120 | 12 | 176>77 | 24 |
| 240 | Propanil | 敌稗 | 12.695 | 709-98-8 | 161>99 | 24 | 161>90 | 22 | 161>126 | 18 |
| 241 | Propaphos | 丙虫磷 | 14.950 | 7292-16-2 | 304>140 | 26 | 304>220 | 14 | 304>262 | 8 |
| 242 | Propargite | 克螨特 | 17.395 | 2312-35-8 | 135>107 | 16 | 135>77 | 24 | 135>95 | 14 |
| 243 | Propazine | 扑灭津 | 11.465 | 139-40-2 | 229>187 | 6 | 229>58 | 14 | 229>214 | 8 |
| 244 | Propiconazol | 丙环唑 | 16.970,17.080 | 60207-90-1 | 259>69 | 14 | 259>191 | 8 | 259>173 | 14 |
| 245 | Propoxur | 残杀威 | 9.865 | 114-26-1 | 152>110 | 8 | 152>64 | 28 | 152>92 | 24 |
| 246 | Propyzamide | 戊炔草胺 | 11.735 | 23950-58-5 | 173>145 | 16 | 173>74 | 28 | 173>109 | 26 |
| 247 | Prothiofos | 丙硫磷 | 15.465 | 34643-46-4 | 309>239 | 14 | 309>281 | 10 | 309>221 | 28 |
| 248 | Pyraclofos | 吡啶硫磷 | 19.440 | 89784-60-1 | 360>194 | 14 | 360>139 | 14 | 360>97 | 24 |
| 249 | Pyrazophos | 吡啶磷 | 19.135 | 13457-18-6 | 221>193 | 12 | 221>149 | 14 | 221>177 | 16 |
| 250 | Pyrazoxyfen | 苜草唑 | 22.100 | 71561-11-0 | 367>105 | 14 | 367>119 | 16 | 367>91 | 20 |
| 251 | Pyributicarb | 稗草丹 | 17.720 | 88678-67-5 | 165>108 | 10 | 165>93 | 24 | 165>65 | 28 |
| 252 | Pyridaben | 哒螨灵 | 19.945 | 96489-71-3 | 147>117 | 22 | 147>132 | 14 | 147>119 | 10 |
| 253 | Pyridaphenthion | 哒嗪硫磷 | 17.830 | 119-12-0 | 340>199 | 8 | 340>109 | 22 | 340>125 | 20 |
| 254 | Pyrimidifen | 啉螨醚 | 21.350 | 105779-78-0 | 184>169 | 14 | 184>157 | 14 | 184>86 | 24 |
| 255 | (E)-Pyriminobac-methyl | (E)-啉草醚 | 16.200 | 147411-69-6 | 302>256 | 18 | 302>230 | 18 | 302>83 | 28 |
| 256 | (Z)-Pyriminobac-methyl | (Z)-啉草醚 | 17.005 | 147411-70-9 | 302>256 | 18 | 302>230 | 18 | 302>83 | 28 |
| 257 | Pyriproxyfen | 蚊蝇醚 | 18.835 | 95737-68-1 | 136>78 | 20 | 136>96 | 14 | 136>108 | 6 |
| 258 | Pyroquilon | 百快隆 | 11.815 | 57369-32-1 | 173>130 | 24 | 173>117 | 22 | 173>144 | 22 |
| 259 | Quinalphos | 喹硫磷 | 14.640 | 13593-03-8 | 157>129 | 14 | 157>93 | 10 | 157>102 | 24 |
| 260 | Quinoclamine | 灭藻醌 | 13.57 | 2797-51-5 | 207>172 | 12 | 207>144 | 20 | 207>128 | 20 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|-------------------|-------|---------------|-------------|---------|----|---------|----|---------|----|
| 261 | Quinoxifen | 喹氧灵 | 17.020 | 124495-18-7 | 237>208 | 28 | 237>182 | 28 | 237>190 | 26 |
| 262 | Quintozene | 五氯硝基苯 | 11.495 | 82-68-8 | 295>237 | 16 | 295>265 | 12 | 295>143 | 30 |
| 263 | Resmethrin | 苯呋菊酯 | 17.565 | 10453-86-8 | 171>128 | 12 | 171>143 | 6 | 171>91 | 24 |
| 264 | Salithion | 蔬果磷 | 10.555 | 3811-49-2 | 216>201 | 10 | 216>183 | 10 | 216>138 | 10 |
| 265 | Silafluofen | 硅醚菊酯 | 21.100 | 105024-66-6 | 286>258 | 14 | 286>207 | 14 | 286>165 | 24 |
| 266 | Simazine | 西玛津 | 11.285 | 122-34-9 | 201>173 | 6 | 201>186 | 6 | 201>138 | 12 |
| 267 | Simeconazole | 硅氟唑 | 12.870 | 149508-90-7 | 211>195 | 4 | 211>121 | 14 | 211>75 | 14 |
| 268 | Simetryn | 西草净 | 12.980 | 1014-70-6 | 213>170 | 12 | 213>185 | 8 | 213>198 | 12 |
| 269 | Spiroxamine | 螺环菌胺 | 13.004,13.504 | 118134-30-8 | 100>72 | 8 | 100>58 | 12 | 100>99 | 14 |
| 270 | Sulfotep | 治螟磷 | 10.444 | 3689-24-5 | 322>294 | 4 | 322>202 | 10 | 322>174 | 18 |
| 271 | Sulprofos | 硫丙磷 | 16.710 | 35400-43-2 | 322>156 | 8 | 322>97 | 24 | 322>139 | 14 |
| 272 | Swep | 灭草灵 | 11.395 | 1918-18-9 | 219>187 | 8 | 219>174 | 14 | 219>59 | 18 |
| 273 | TCMTB | 苯噻氰 | 15.387 | 21564-17-0 | 180>136 | 14 | 180>109 | 26 | 180>77 | 26 |
| 274 | Tebuconazole | 戊唑醇 | 17.370 | 107534-96-3 | 250>125 | 22 | 250>153 | 12 | 250>70 | 12 |
| 275 | Tebufenpyrad | 吡蚜胺 | 18.270 | 119168-77-3 | 333>171 | 20 | 333>276 | 8 | 333>145 | 14 |
| 276 | Tecnazene | 四氯硝基苯 | 9.725 | 117-18-0 | 261>203 | 14 | 261>231 | 8 | 261>196 | 14 |
| 277 | Tefluthrin | 七氟菊酯 | 12.065 | 79538-32-2 | 177>127 | 16 | 177>137 | 16 | 177>107 | 28 |
| 278 | Terbacil | 特草定 | 12.035 | 5902-51-2 | 161>144 | 14 | 161>118 | 14 | 161>88 | 20 |
| 279 | Terbufos | 特丁硫磷 | 11.670 | 13071-79-9 | 231>175 | 14 | 231>129 | 26 | 231>203 | 8 |
| 280 | Terbutryn | 特丁草净 | 13.330 | 886-50-0 | 241>185 | 6 | 241>170 | 14 | 241>111 | 24 |
| 281 | Tetrachlorvinphos | 杀虫畏 | 15.035 | 961-11-5 | 329>109 | 20 | 329>314 | 18 | 329>79 | 24 |
| 282 | Tetraconazole | 氟醚唑 | 13.860 | 112281-77-3 | 336>218 | 14 | 336>204 | 28 | 336>164 | 24 |
| 283 | Tetradifon | 四氯杀螨砒 | 18.545 | 116-29-0 | 356>229 | 12 | 356>159 | 18 | 356>127 | 16 |
| 284 | Tetramethrin | 胺菊酯 | 18.055 | 7696-12-0 | 164>107 | 14 | 164>135 | 8 | 164>77 | 22 |

| No. | 英文名 | 中文名 | 保留时间 | CAS | Q | CE | C1 | CE | C2 | CE |
|-----|------------------------|----------|---------------|-------------|---------|----|---------|----|---------|----|
| 285 | Thenylchlor | 噻吩草胺 | 17.290 | 96491-05-3 | 288>141 | 14 | 288>174 | 8 | 288>75 | 24 |
| 286 | Thiabendazole | 噻苯达唑 | 14.675 | 148-79-8 | 201>174 | 16 | 201>130 | 26 | 201>92 | 28 |
| 287 | Thifluzamide | 噻呋酰胺 | 15.635 | 130000-40-7 | 449>429 | 20 | 449>402 | 34 | 449>409 | 32 |
| 288 | Thiobencarb | 禾草丹 | 13.690 | 28249-77-6 | 257>100 | 8 | 257>72 | 20 | 257>224 | 4 |
| 289 | Thiocyclam | 杀虫环 | 8.790 | 31895-21-3 | 135>71 | 8 | 135>56 | 24 | 0 | 0 |
| 290 | Thiometon | 甲基乙拌磷 | 11.040 | 640-15-3 | 125>47 | 14 | 125>79 | 10 | 125>62 | 8 |
| 291 | Tolclofos-methyl | 甲基立枯磷 | 12.895 | 57018-04-9 | 265>250 | 14 | 265>93 | 24 | 265>220 | 22 |
| 292 | Tolyfluanid | 甲苯氟磺胺 | 14.515 | 731-27-1 | 238>137 | 14 | 238>91 | 28 | 238>110 | 26 |
| 293 | Tolyfluanid metabolite | 甲苯氟磺胺代谢物 | 11.580 | 0 | 214>45 | 8 | 214>106 | 18 | 214>79 | 26 |
| 294 | Triadimefon | 三唑酮 | 13.885 | 43121-43-3 | 208>181 | 10 | 208>127 | 14 | 208>111 | 22 |
| 295 | Triadimenol | 三唑醇 | 14.700,14.850 | 55219-65-3 | 168>70 | 10 | 168>112 | 4 | 168>150 | 6 |
| 296 | Tri-allate | 野麦畏 | 12.160 | 2303-17-5 | 268>226 | 14 | 268>184 | 20 | 268>125 | 34 |
| 297 | Triazophos | 三唑磷 | 16.680 | 24017-47-8 | 257>162 | 8 | 257>134 | 22 | 257>119 | 26 |
| 298 | Tribufos | 脱叶磷 | 15.646 | 78-48-8 | 258>202 | 4 | 258>147 | 10 | 258>113 | 26 |
| 299 | Trichlamide | 水杨菌胺 | 15.060 | 70193-21-4 | 148>121 | 14 | 148>93 | 22 | 148>65 | 26 |
| 300 | Tricylazole | 三环唑 | 15.558 | 41814-78-2 | 189>162 | 14 | 0 | 0 | 0 | 0 |
| 301 | Trifloxystrobin | 肟菌酯 | 16.900 | 141517-21-7 | 222>190 | 4 | 222>162 | 10 | 222>130 | 12 |
| 302 | Trifluralin | 氟乐灵 | 10.455 | 1582-09-8 | 306>264 | 8 | 306>206 | 14 | 306>160 | 22 |
| 303 | Uniconazole-P | 单克素 | 15.625 | 83657-17-4 | 234>165 | 8 | 234>216 | 12 | 234>137 | 14 |
| 304 | Vinclozolin | 乙炔菌核利 | 12.815 | 50471-44-8 | 285>212 | 12 | 285>178 | 14 | 285>241 | 4 |
| 305 | XMC | 灭除威 | 9.355 | 2655-14-3 | 122>122 | 4 | 122>107 | 14 | 122>77 | 26 |
| 306 | Zoxamide | 苯酰菌胺 | 17.665 | 156052-68-5 | 258>187 | 14 | 258>159 | 28 | 258>123 | 34 |

注：Q 为定量离子对，C1 为定性离子对 1，C2 为定性离子对 2，CE 为碰撞电压

5. 306 种农药多级质谱图

以下为 306 种农药的单级质谱图和定量离子的产物离子扫描质谱图，标样浓度：5 mg/L。

1. 啉虫脒

化合物信息

CAS#:135410-20-7

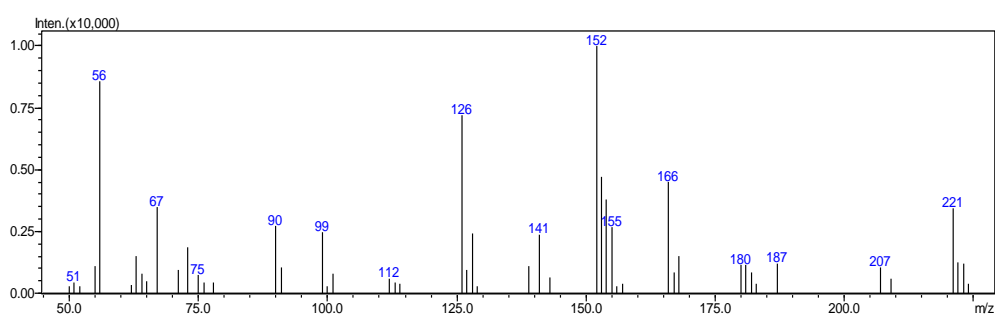
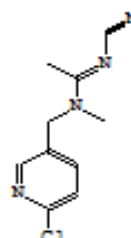
英文名称: Acetamipride

MW: 222

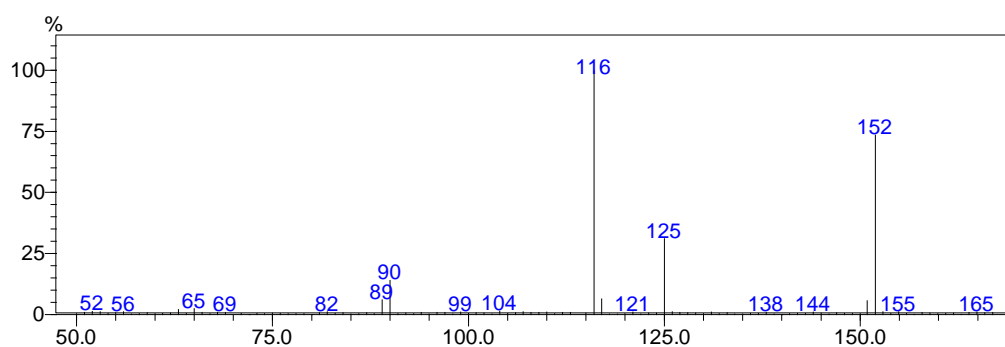
分子式: $C_{10}H_{11}ClN_4$

Q3 scan

结构式:



Product ion scan (m/z 152)



2. 乙草胺

化合物信息

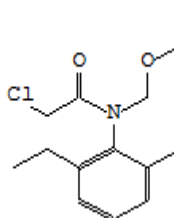
CAS#: 34256-82-1

英文名称: Acetochlor

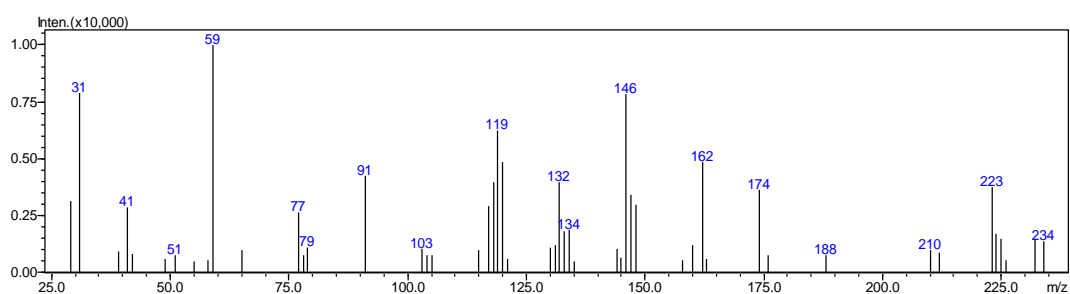
MW: 269

分子式: $C_{14}H_{20}ClNO_2$

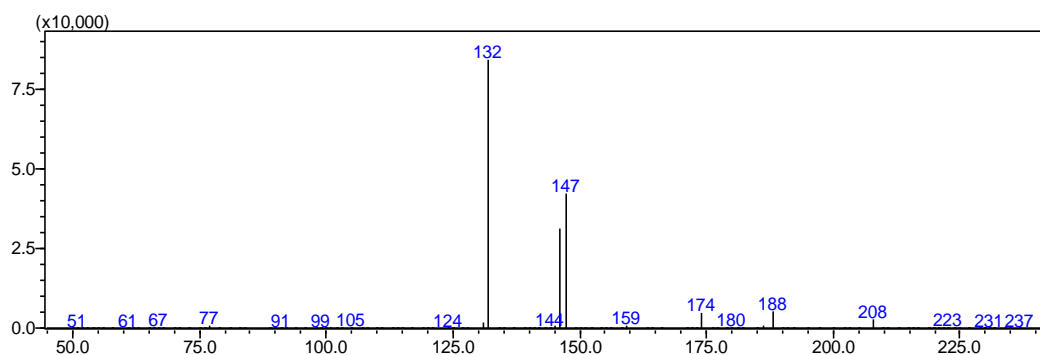
结构式:



Q3 scan



Product ion scan (m/z 223)



3. 氟丙菊酯

化合物信息

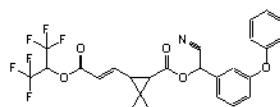
CAS#: 101007-06-1

英文名称: Acrinathrin

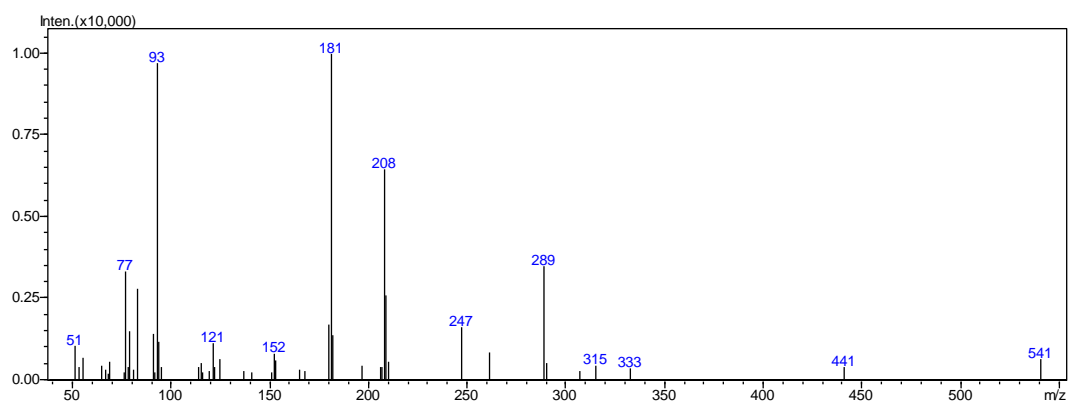
MW: 541

分子式: $C_{26}H_{21}F_6NO_5$

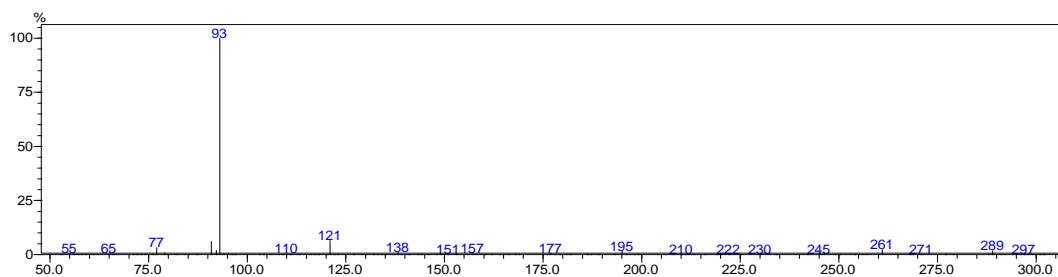
结构式:



Q3 scan



Product ion scan (m/z 289)



4. 甲草胺

化合物信息

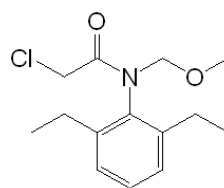
CAS#: 15972-60-8

英文名称: Alachlor

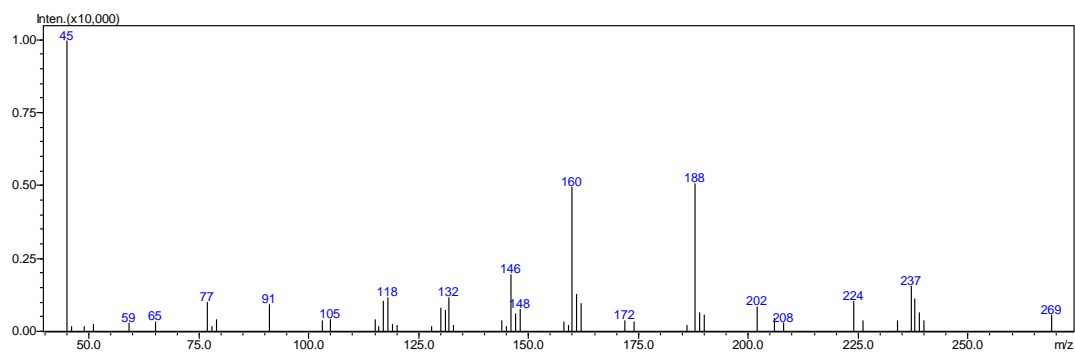
MW: 269

分子式: $C_{14}H_{20}ClNO_2$

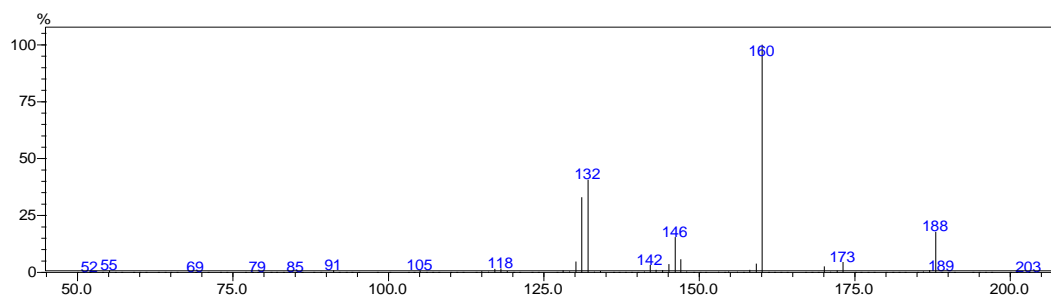
结构式:



Q3 scan



Product ion scan (m/z 188)



5. 丙烯菊酯

化合物信息

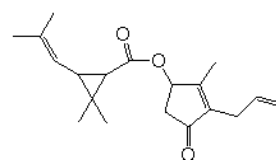
CAS#: 584-79-2

英文名称: Allethrin

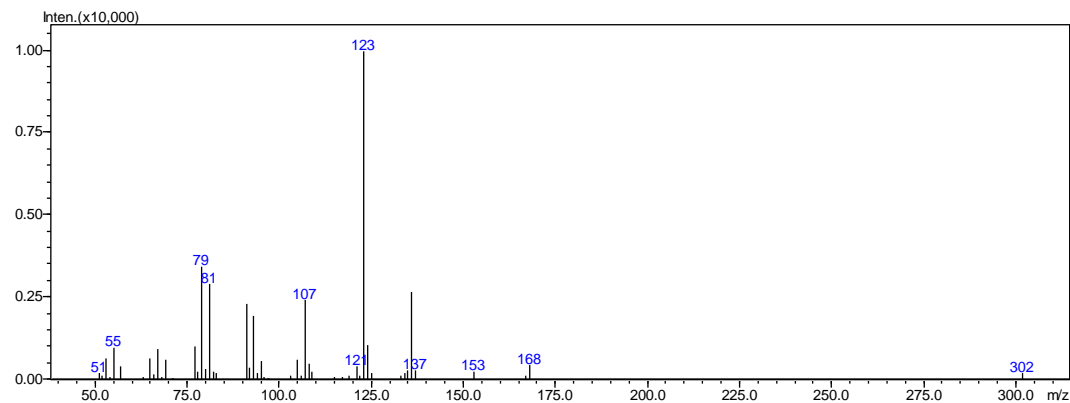
MW: 302

分子式: $C_{19}H_{26}O_3$

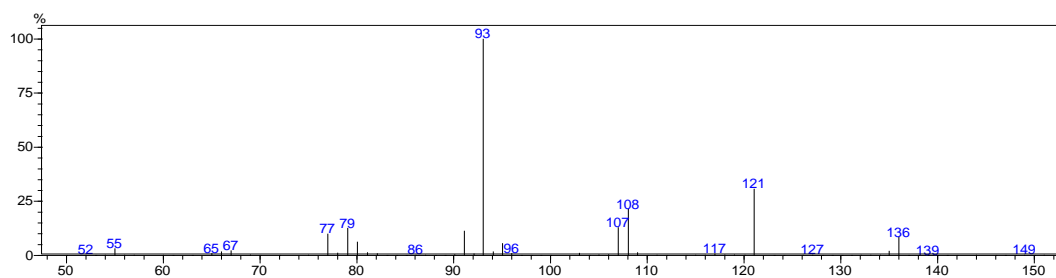
结构式:



Q3 scan



Product ion scan (m/z 136)



6. 草毒死

化合物信息

CAS#: 93-71-0

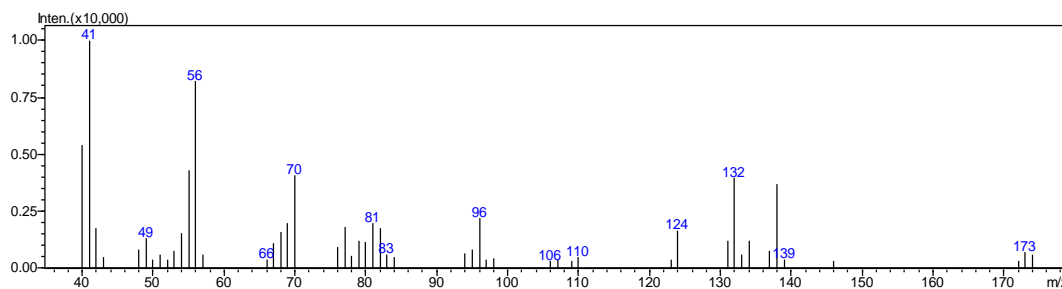
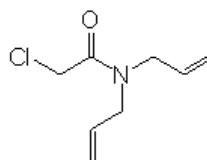
英文名称: Allidochlor

MW: 173

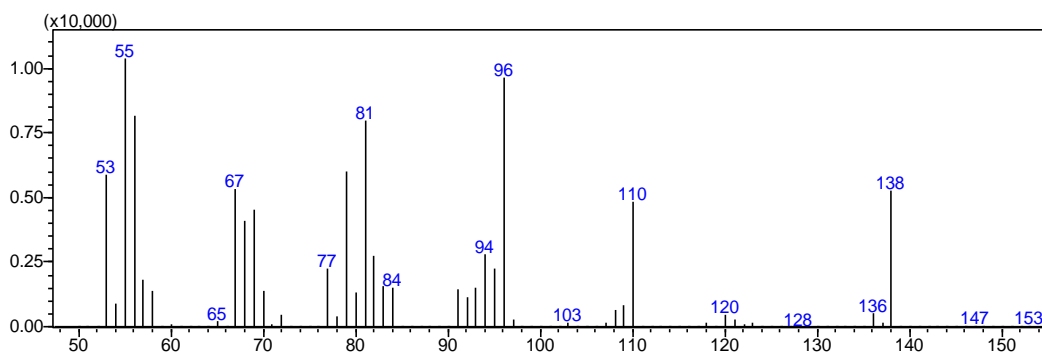
分子式: $C_8H_{12}ClNO$

Q3 scan

结构式:



Product ion scan (m/z 138)



7. α -硫丹

化合物信息

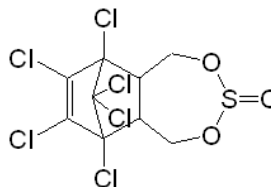
CAS#: 959-98-8

英文名称: α -Endosulfan

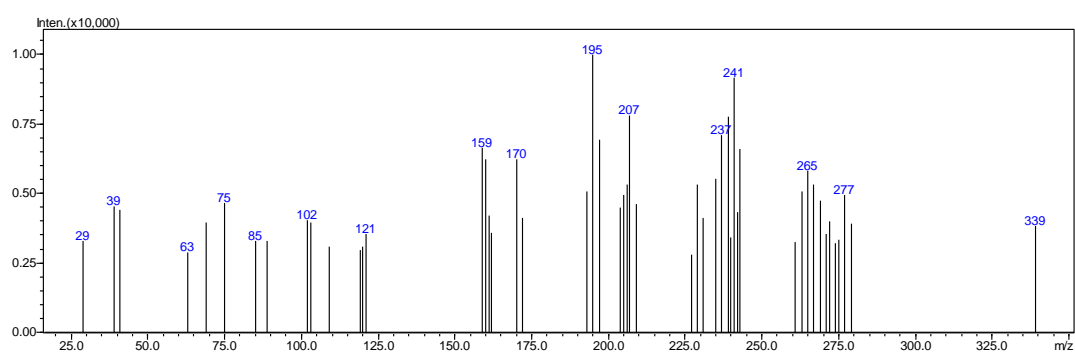
MW: 404

分子式: $C_9H_6Cl_6O_3S$

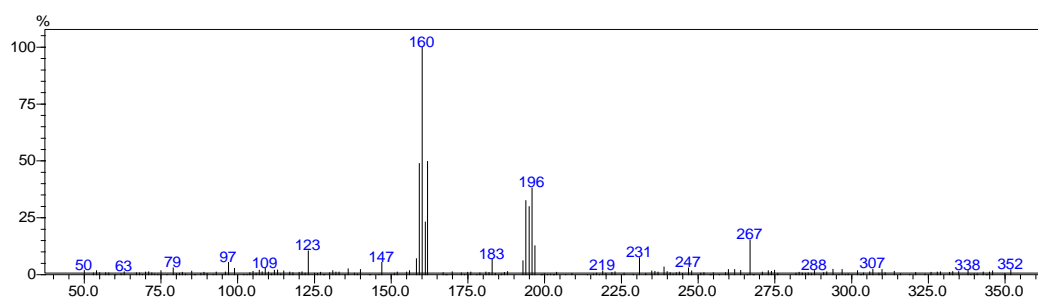
结构式:



Q3 scan



Product ion scan (m/z 339)



8. α -六六六

化合物信息

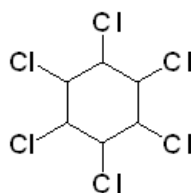
CAS#: 319-84-6

英文名称: α -BHC

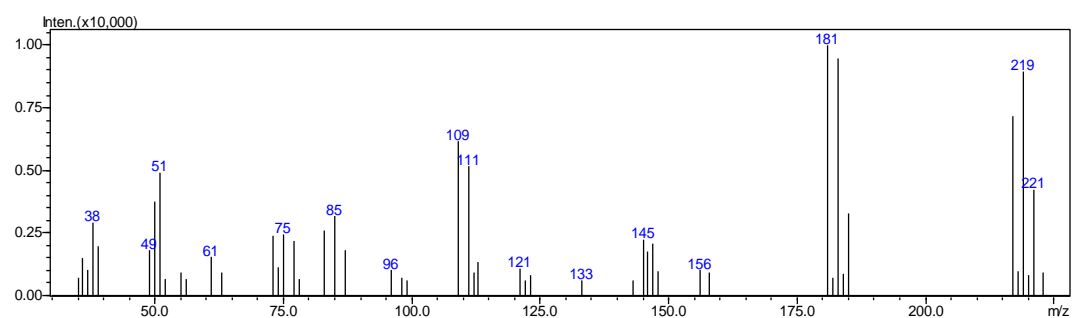
MW: 288

分子式: $C_6H_6Cl_6$

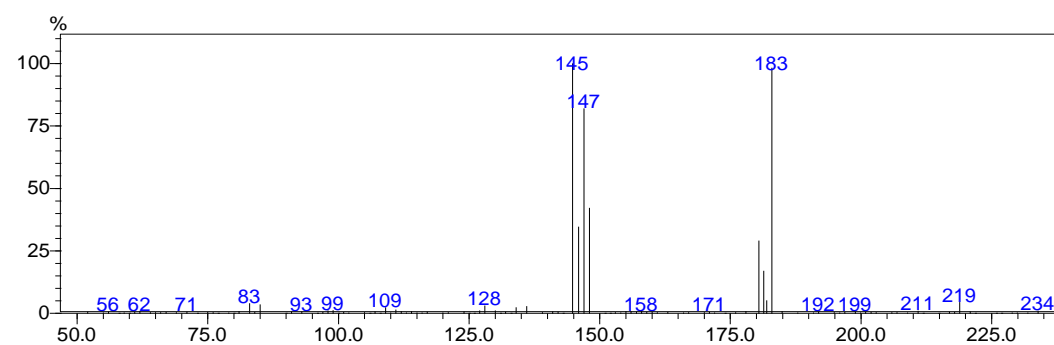
结构式:



Q3 scan



Product ion scan (m/z 219)



9. 莠灭津

化合物信息

CAS#: 834-12-8

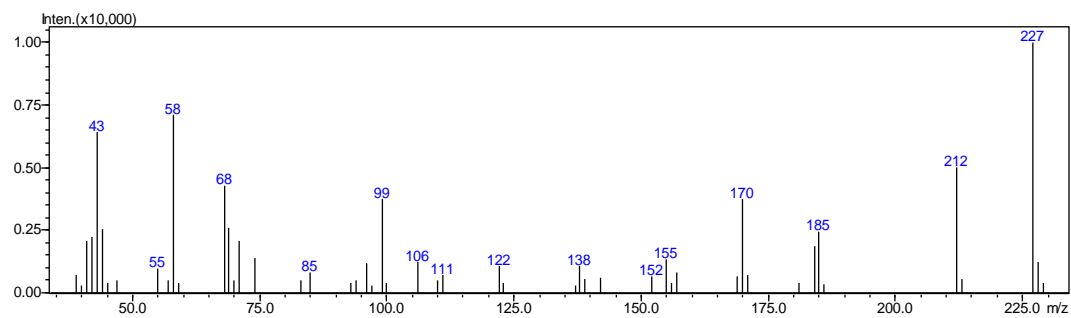
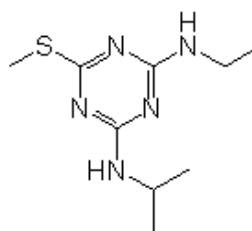
英文名称: Ametryn

MW: 227

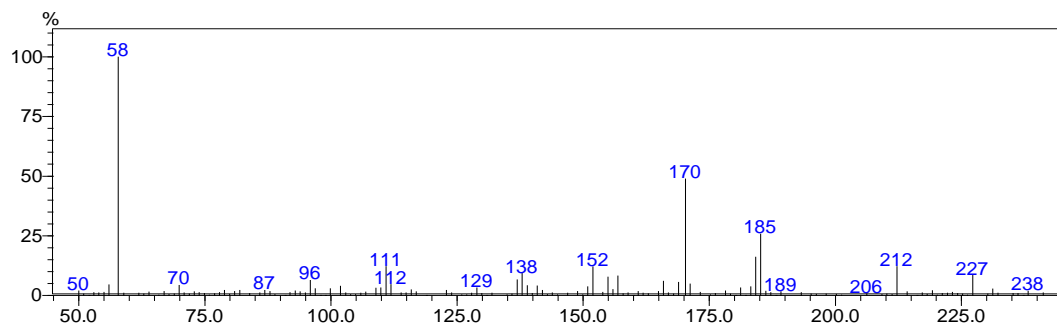
分子式: $C_9H_{17}N_5S$

Q3 scan

结构式:



Product ion scan (m/z 227)



10. 莎秕磷

化合物信息

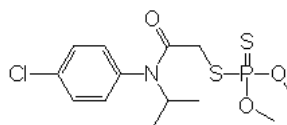
CAS#: 64249-01-0

英文名称: Anilofos

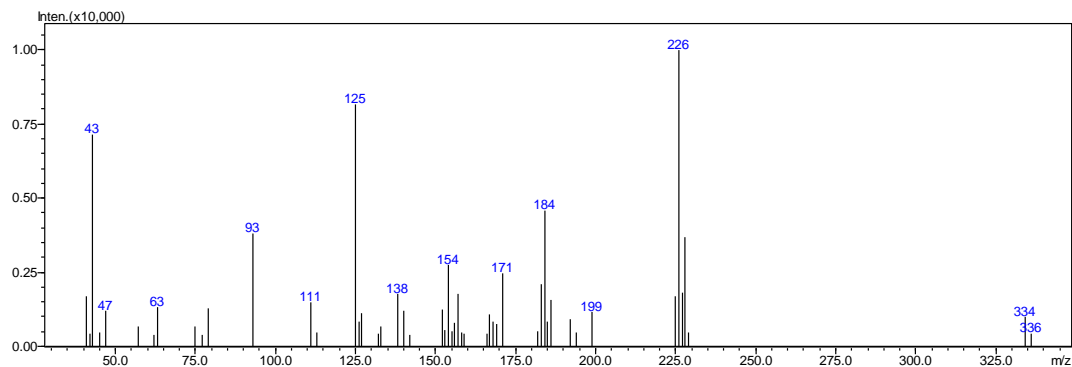
MW: 367

分子式: $C_{13}H_{19}ClNO_3PS_2$

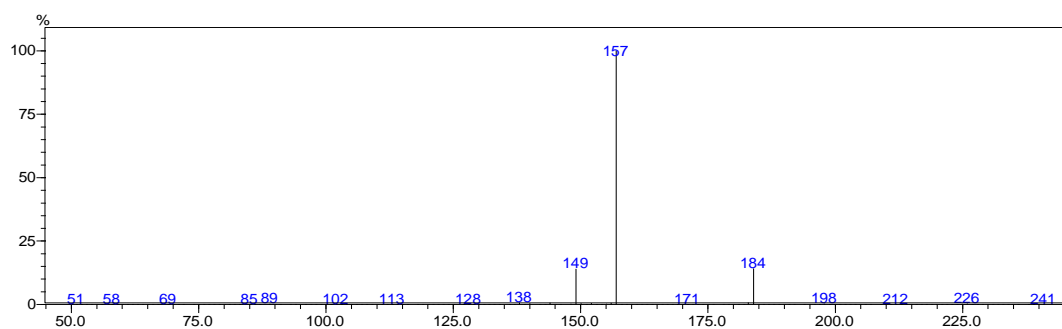
结构式:



Q3 scan



Product ion scan (m/z 226)



11. 莠去津

化合物信息

CAS#: 1912-24-9

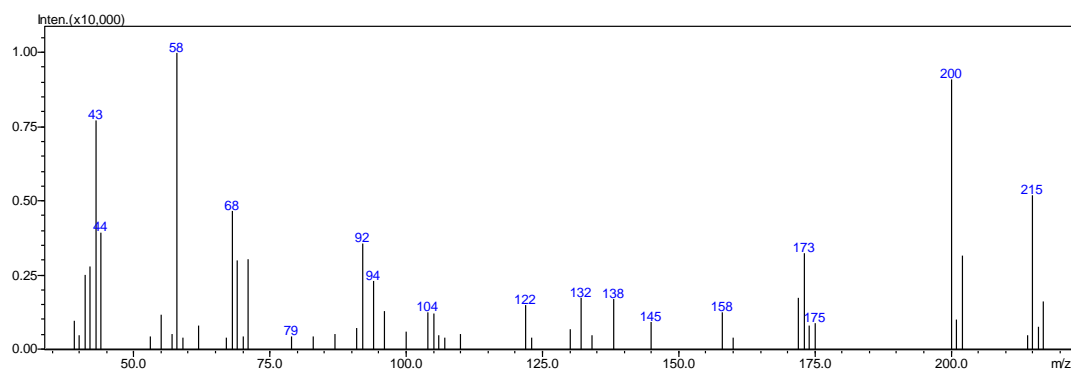
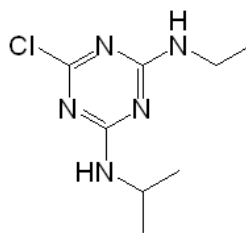
英文名称: Atrazine

MW: 215

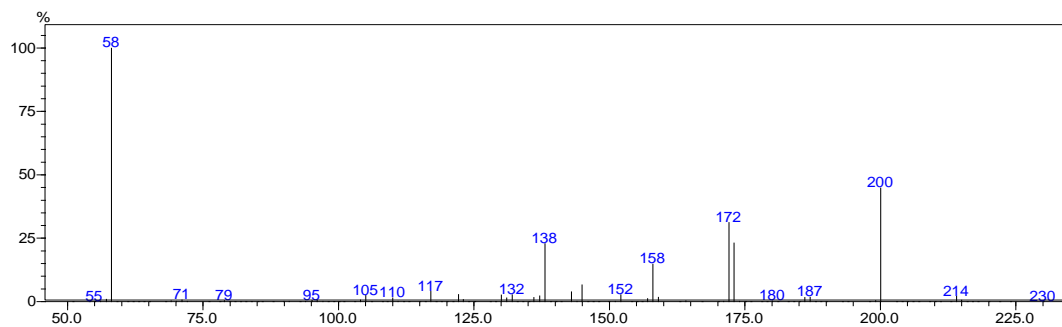
分子式: $C_8H_{14}ClN_5$

Q3 scan

结构式:



Product ion scan (m/z 215)



12. 氧环唑

化合物信息

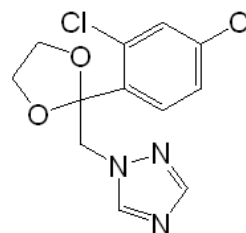
CAS#: 60207-31-0

英文名称: Azaconazole

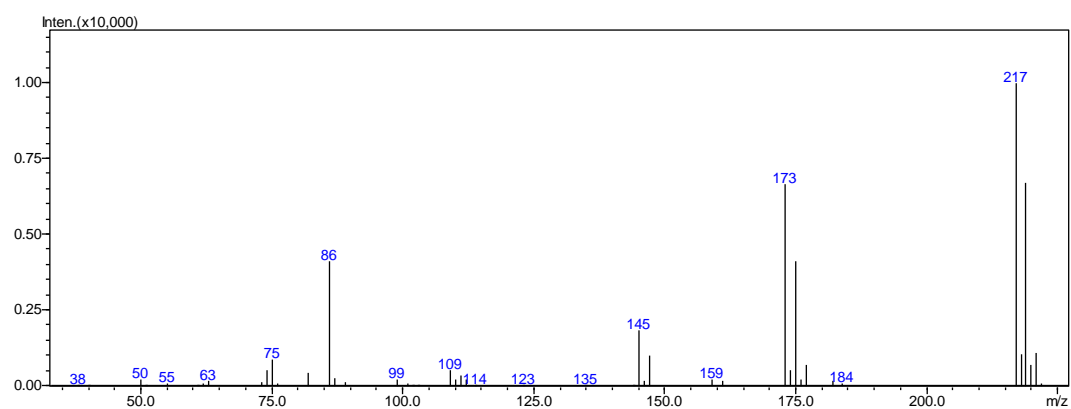
MW: 299

分子式: $C_{12}H_{11}Cl_2N_3O_2$

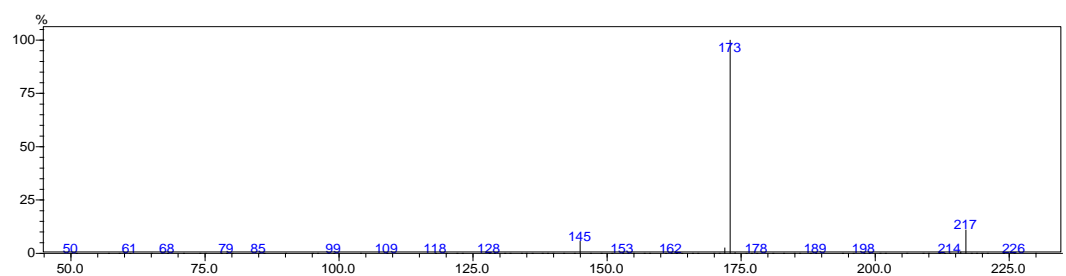
结构式:



Q3 scan



Product ion scan (m/z 217)



13. 谷硫磷

化合物信息

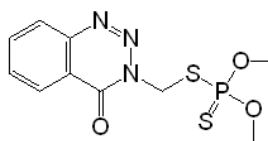
CAS#: 86-50-0

英文名称: Azinphos-methyl

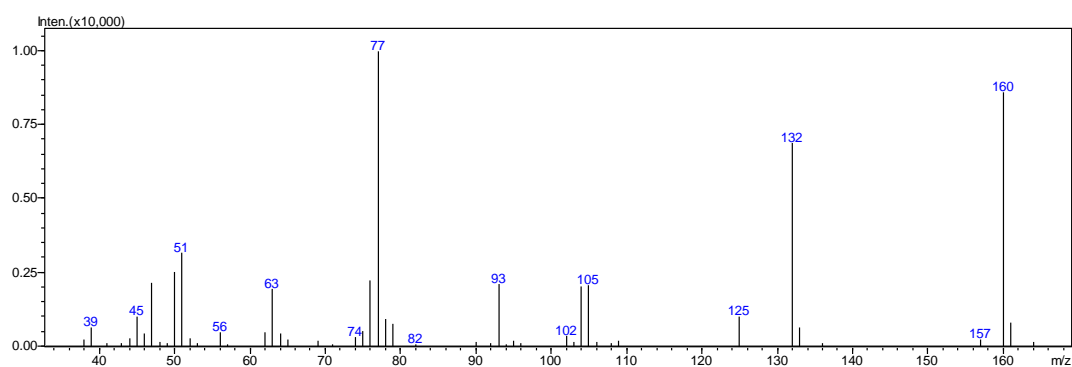
MW: 317

分子式: $C_{10}H_{12}N_3O_3PS_2$

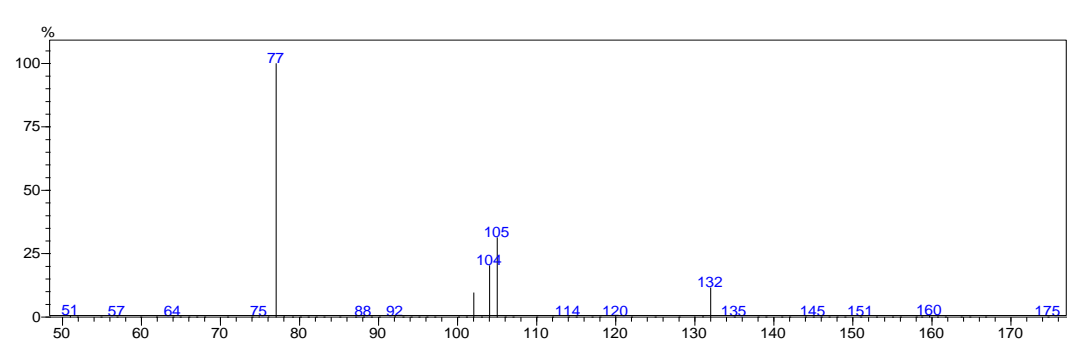
结构式:



Q3 scan



Product ion scan (m/z 160)



14. 嘧菌酯

化合物信息

CAS#: 131860-33-8

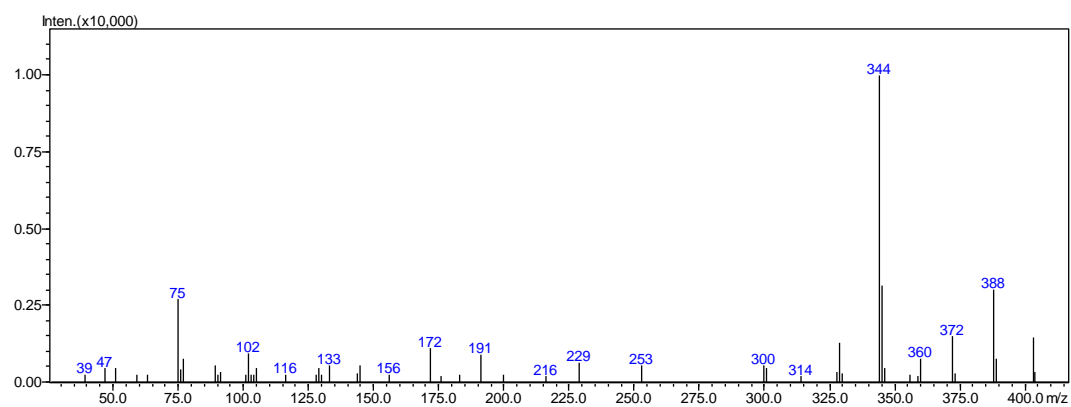
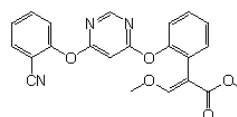
英文名称: Azoxystrobin

MW: 403

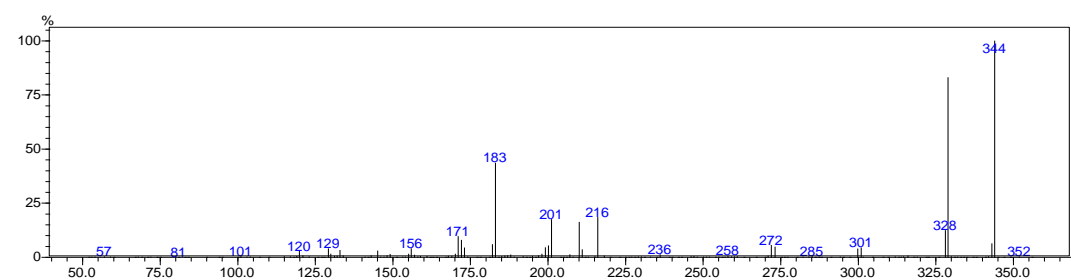
分子式: $C_{22}H_{17}N_3O_5$

Q3 scan

结构式:



Product ion scan (m/z 344)



15. 苯霜灵

化合物信息

CAS#: 71626-11-4

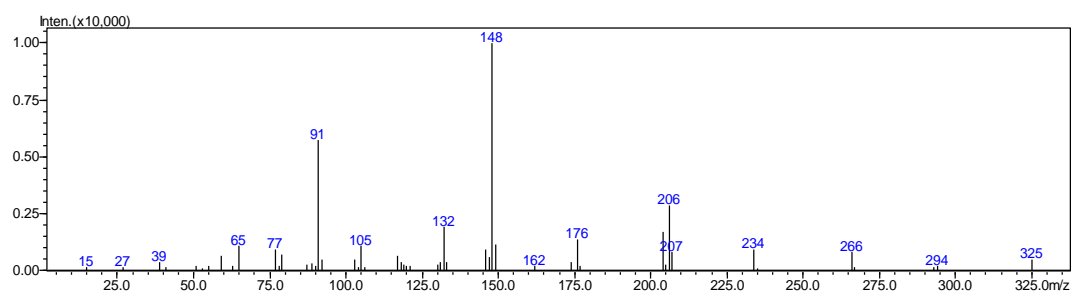
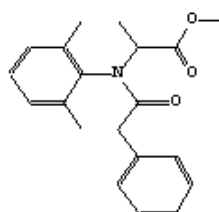
英文名称: Benalaxyl

MW: 325

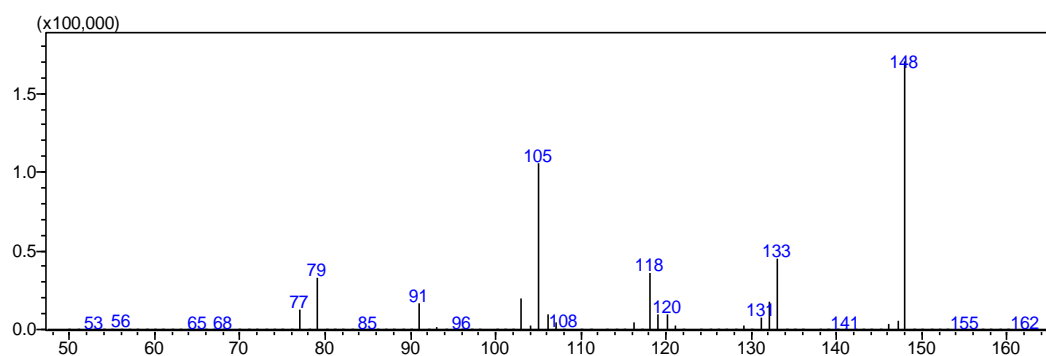
分子式: $C_{20}H_{23}NO_3$

Q3 scan

结构式:



Product ion scan (m/z 148)



16. 氟落灵

化合物信息

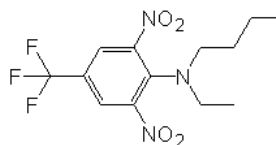
CAS#: 1861-40-1

英文名称: Benfluralin

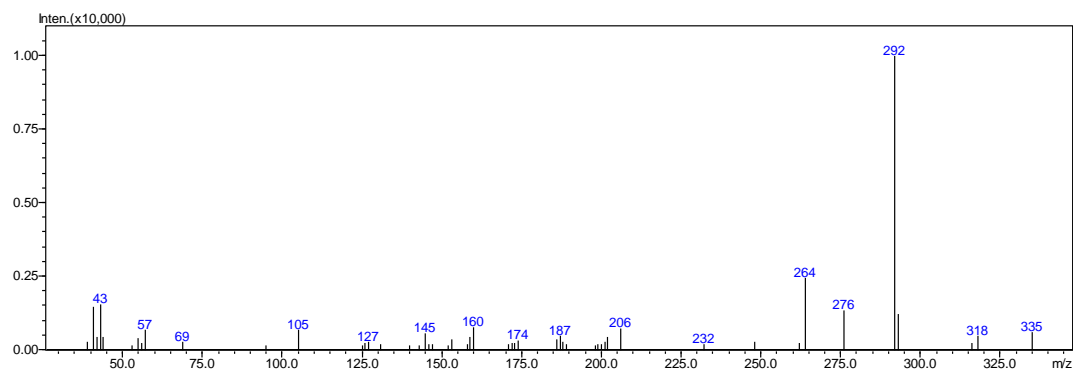
MW: 335

分子式: $C_{13}H_{16}F_3N_3O_4$

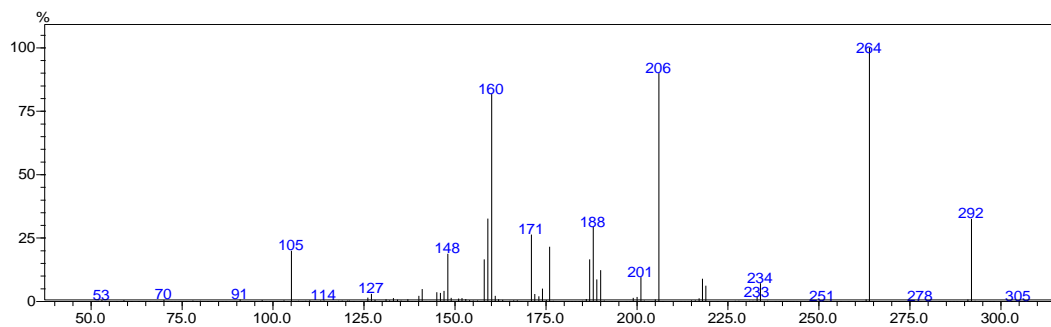
结构式:



Q3 scan



Product ion scan (m/z 292)



17. 解草酮

化合物信息

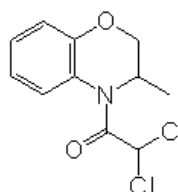
CAS#:98730-04-2

英文名称: Benoxacor

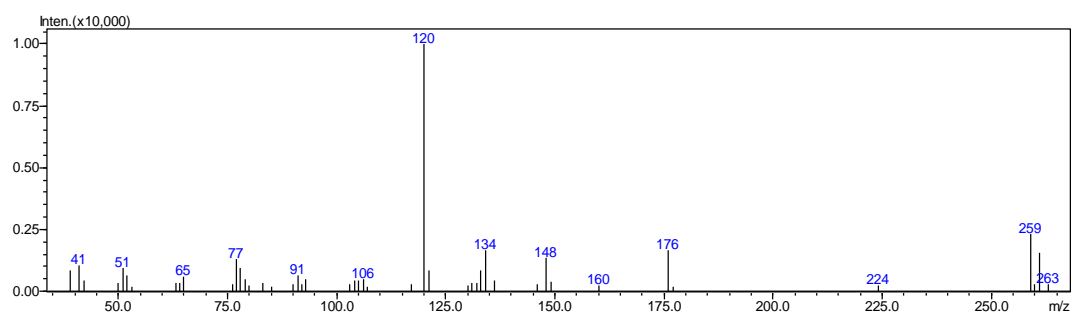
MW: 259

分子式: $C_{11}H_{11}Cl_2NO_2$

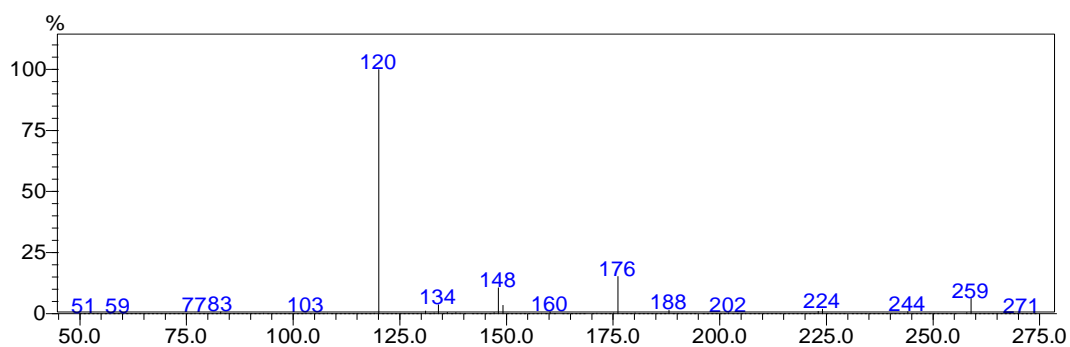
结构式:



Q3 scan



Product ion scan (m/z 259)



18. β-硫丹

化合物信息

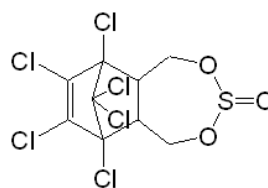
CAS#: 33213-65-9

英文名称: beta-Endosulfan

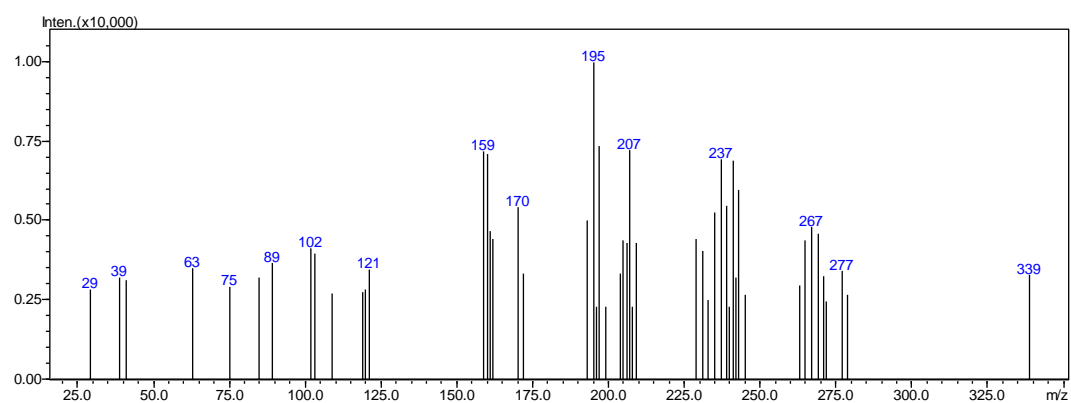
MW: 404

分子式: C₉H₆Cl₆O₃S

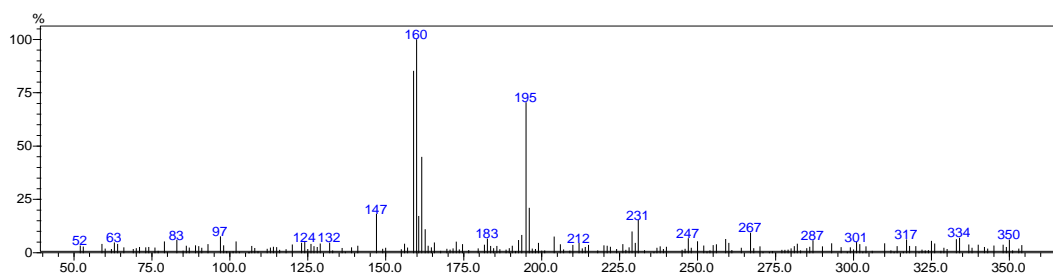
结构式:



Q3 scan



Product ion scan (m/z 339)



19. β-六六六

化合物信息

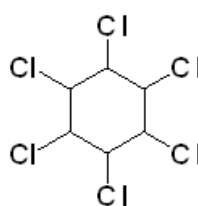
CAS#: 319-85-7

英文名称: beta-BHC

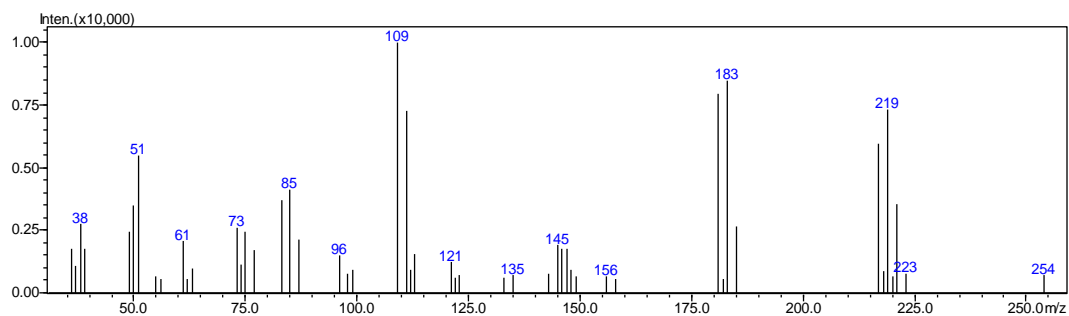
MW: 288

分子式: $C_6H_6Cl_6$

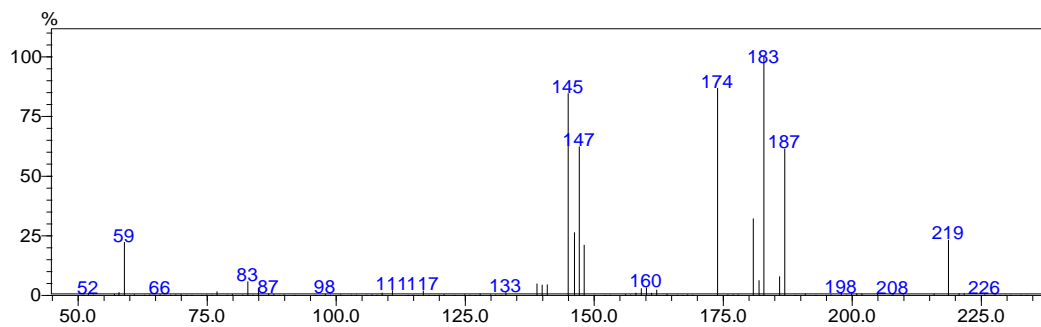
结构式:



Q3 scan



Product ion scan (m/z 219)



20. 联苯肼酯

化合物信息

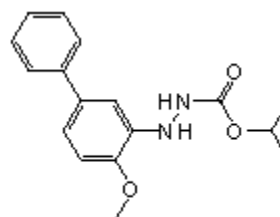
CAS#: 149877-41-8

英文名称: Bifenazate

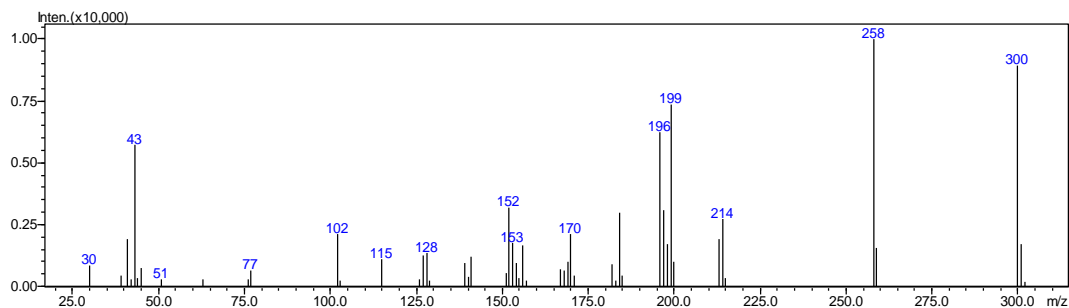
MW: 300

分子式: $C_{17}H_{20}N_2O_3$

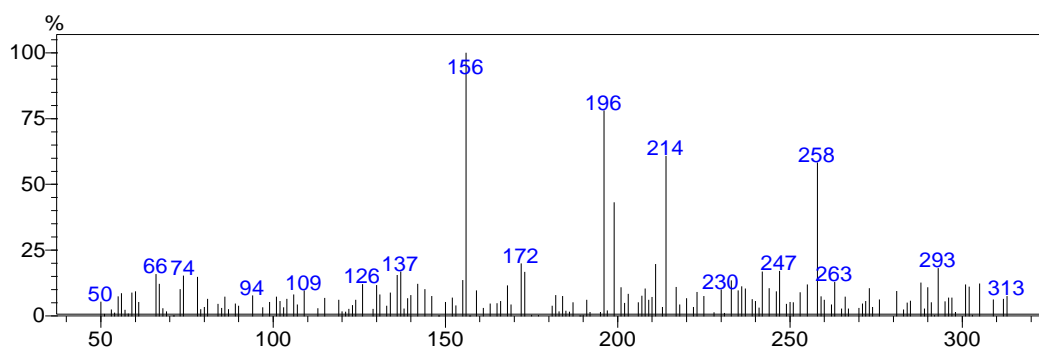
结构式:



Q3 scan



Product ion scan (m/z 300)



21. 甲羧除草醚

化合物信息

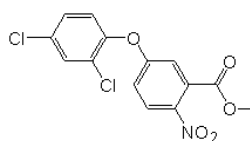
CAS#: 42576-02-3

英文名称: Bifenox

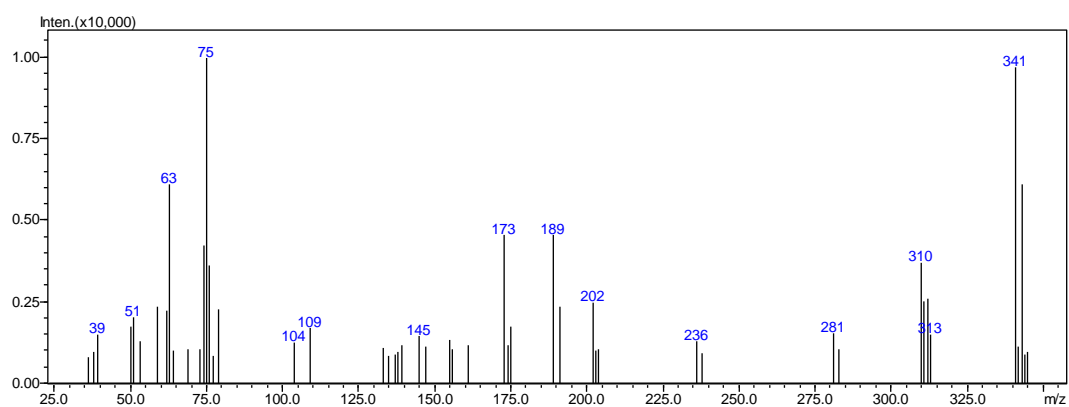
MW: 341

分子式: $C_{14}H_9Cl_2NO_5$

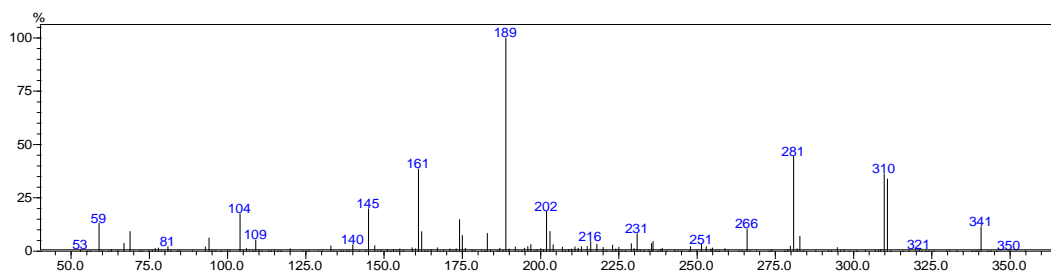
结构式:



Q3 scan



Product ion scan (m/z 341)



22. 氟氯菊酯

化合物信息

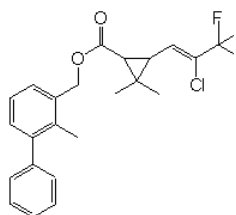
CAS#: 82657-04-3

英文名称: Bifenthrin

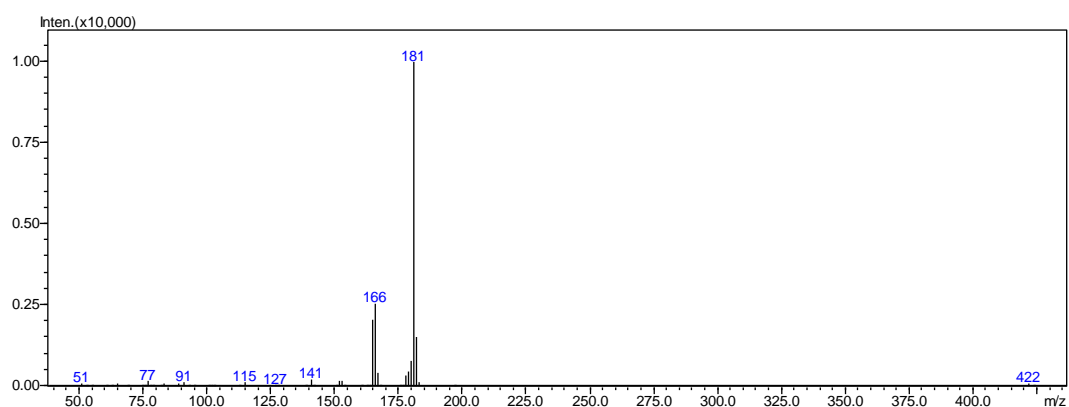
MW: 422

分子式: $C_{23}H_{22}ClF_3O_2$

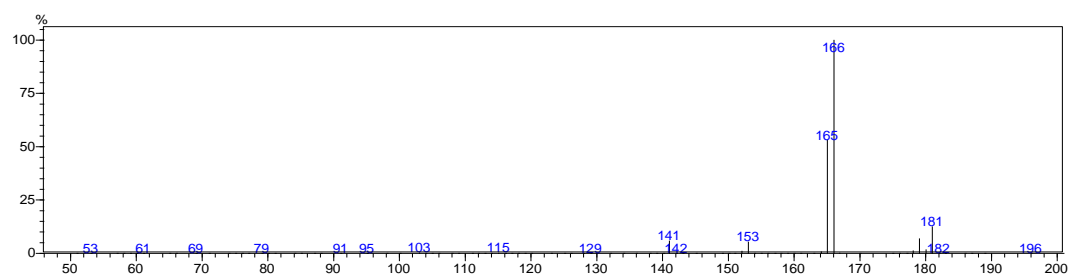
结构式:



Q3 scan



Product ion scan (m/z 181)



23. 生物苯呋菊酯

化合物信息

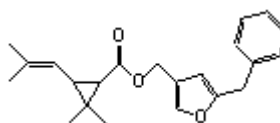
CAS#: 28434-01-7

英文名称: Bioresmethrin

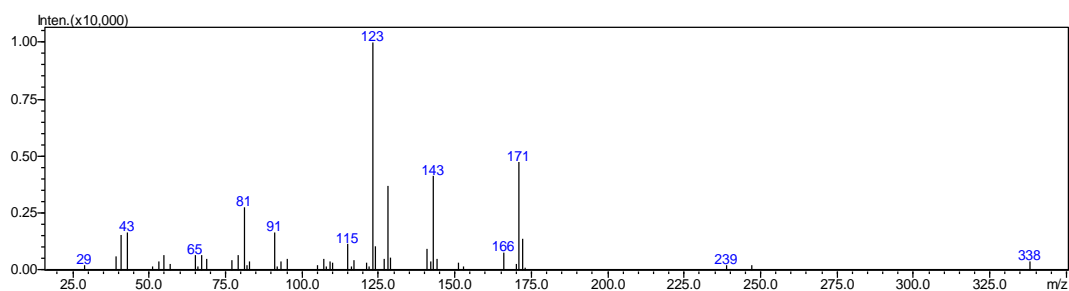
MW: 388

分子式: $C_{22}H_{26}O_3$

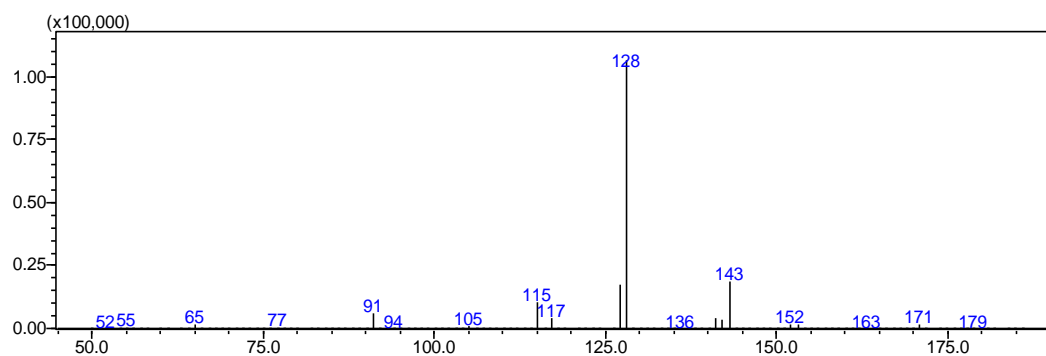
结构式:



Q3 scan



Product ion scan (m/z 171)



24. 联苯

化合物信息

CAS#: 92-52-4

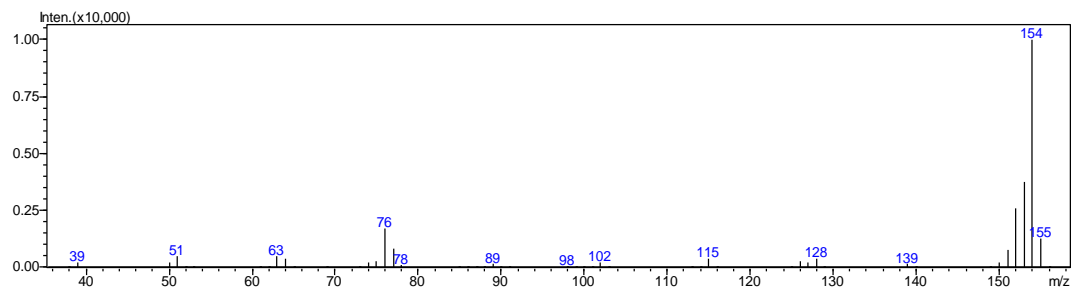
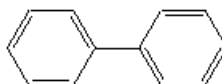
英文名称: Biphenyl

MW: 154

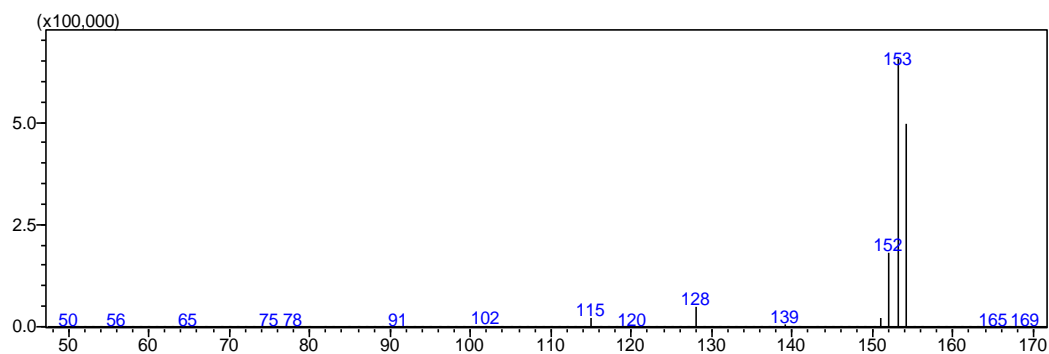
分子式: $C_{12}H_{10}$

Q3 scan

结构式:



Product ion scan (m/z 154)



25. 双苯三唑醇

化合物信息

CAS#: 55179-31-2

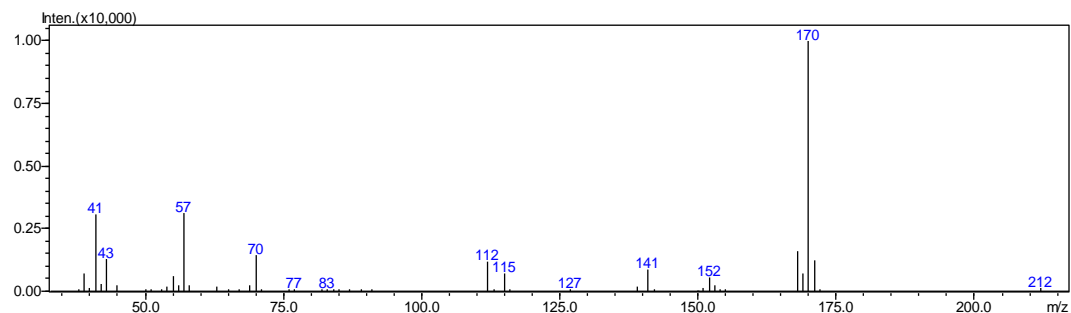
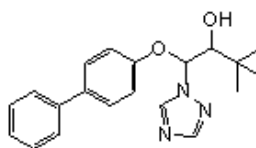
英文名称: Bitertanol

MW: 337

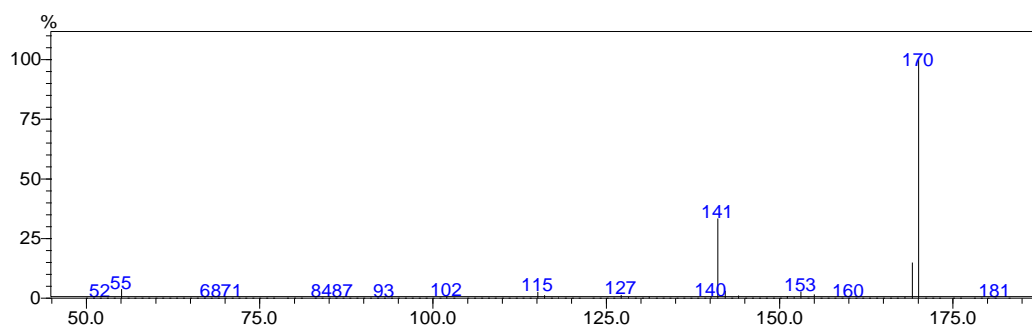
分子式: $C_{20}H_{23}N_3O_2$

Q3 scan

结构式:



Product ion scan (m/z 170)



26. 除草定

化合物信息

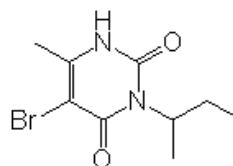
CAS#: 314-40-9

英文名称: Bromacil

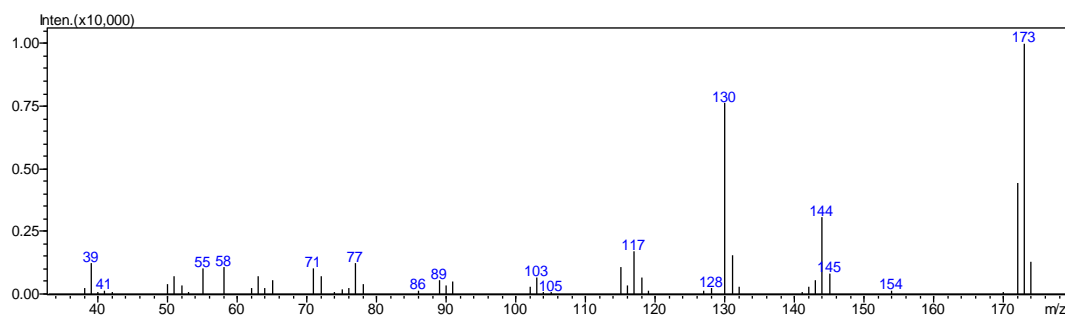
MW: 260

分子式: $C_9H_{13}BrN_2O_2$

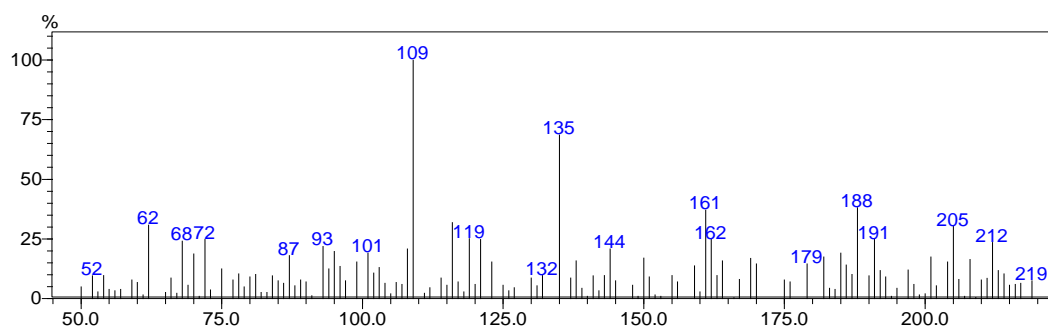
结构式:



Q3 scan



Product ion scan (m/z 205)



27. 溴丁酰草胺

化合物信息

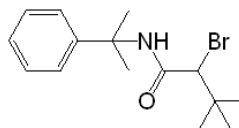
CAS#: 74712-19-9

英文名称: Bromobutide

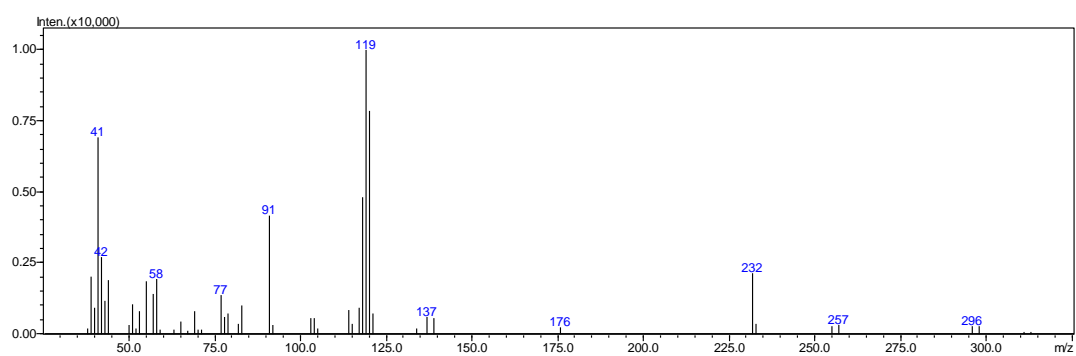
MW: 311

分子式: $C_{15}H_{22}BrNO$

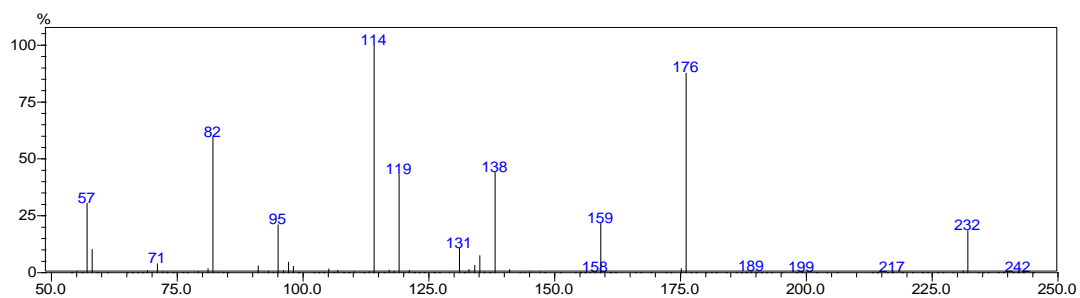
结构式:



Q3 scan



Product ion scan (m/z 232)



28. 溴克座

化合物信息

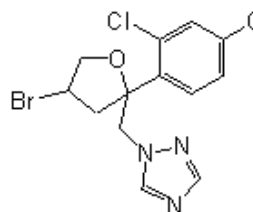
CAS#: 116255-48-2

英文名称: Bromuconazole

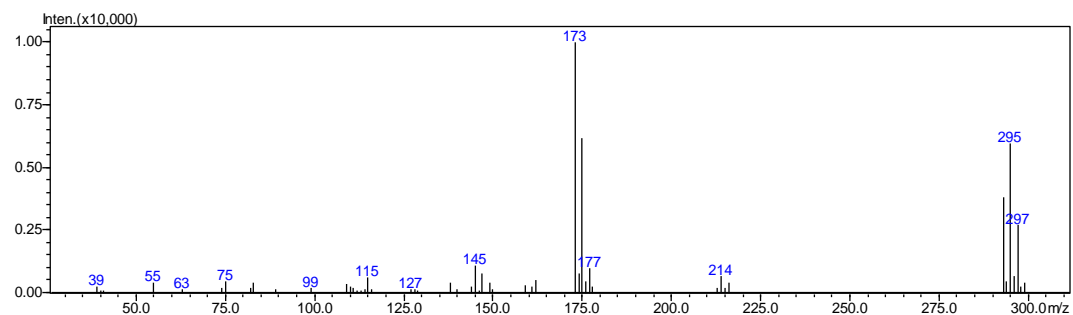
MW: 375

分子式: $C_{13}H_{12}BrCl_2N_3O$

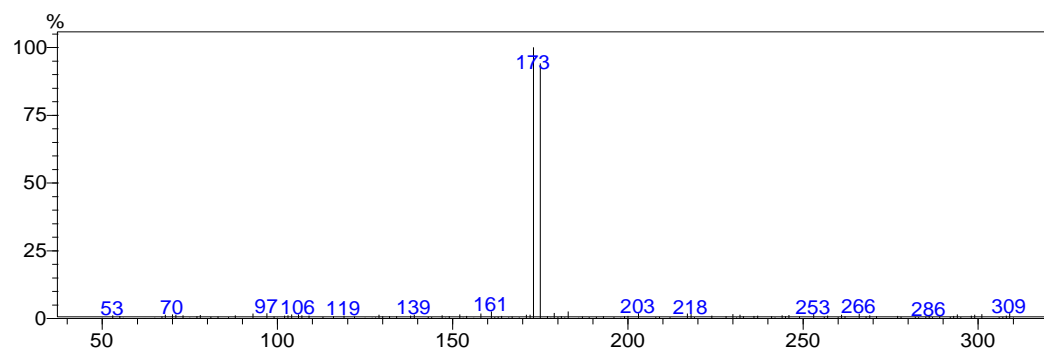
结构式:



Q3 scan



Product ion scan (m/z 295)



29. 甲基溴硫磷

化合物信息

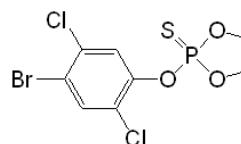
CAS#: 2104-96-3

英文名称: Bromophos

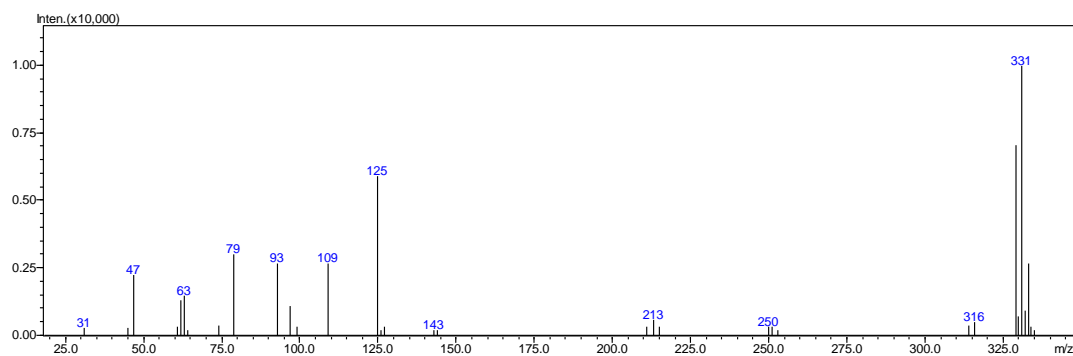
MW: 364

分子式: $C_8H_8BrCl_2O_3PS$

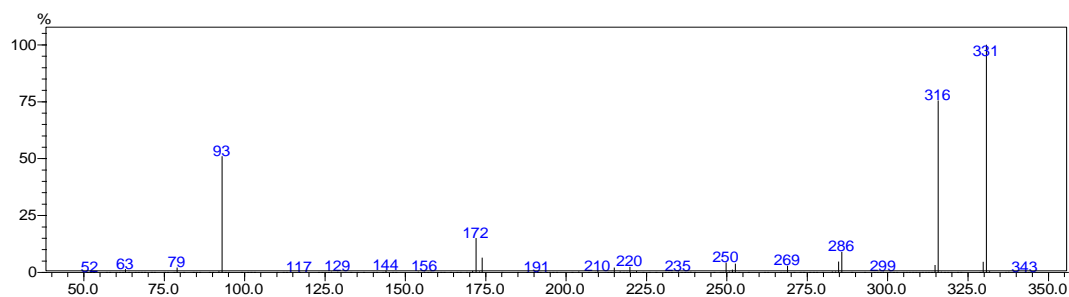
结构式:



Q3 scan



Product ion scan (m/z 331)



30. 乙基溴硫磷

化合物信息

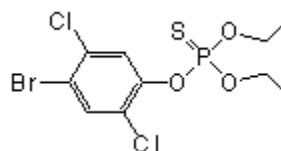
CAS#: 4824-78-6

英文名称: Bromophos-ethyl

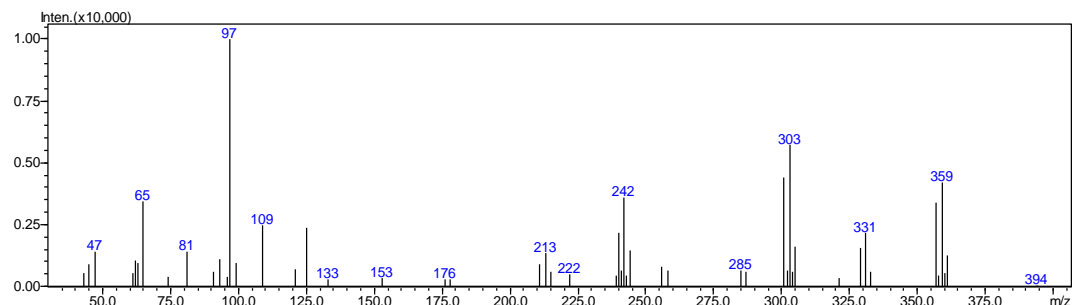
MW: 392

分子式: $C_{10}H_{12}BrCl_2O_3PS$

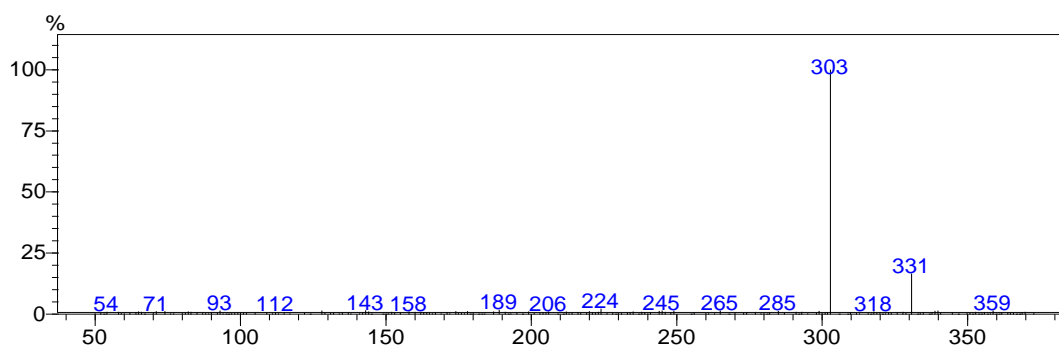
结构式:



Q3 scan



Product ion scan (m/z 359)



31. 溴螨酯

化合物信息

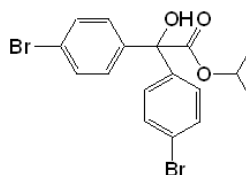
CAS#: 18181-80-1

英文名称: Bromopropylate

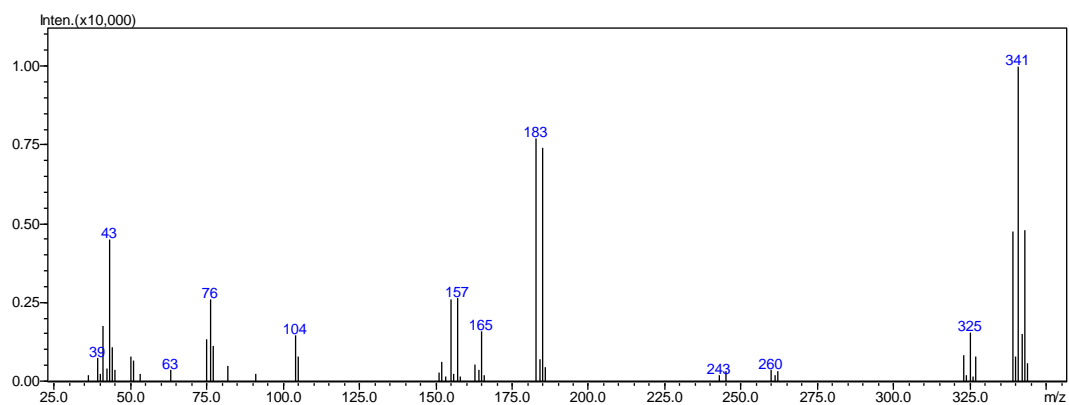
MW: 426

分子式: $C_{17}H_{16}Br_2O_2$

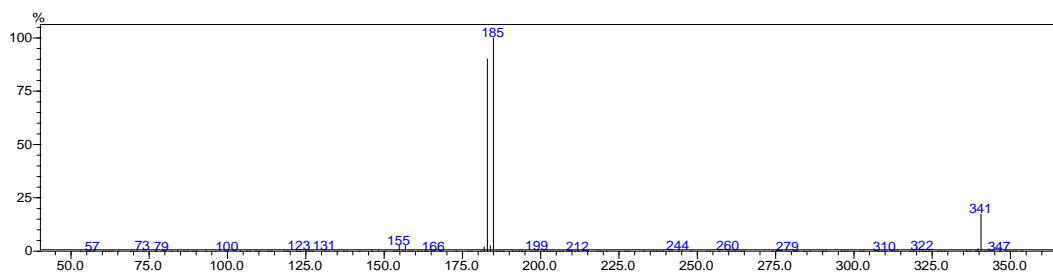
结构式:



Q3 scan



Product ion scan (m/z 341)



32. 磺嘧菌灵

化合物信息

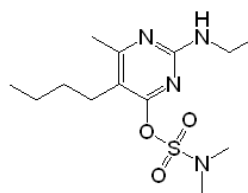
CAS#: 41483-43-6

英文名称: Bupirimate

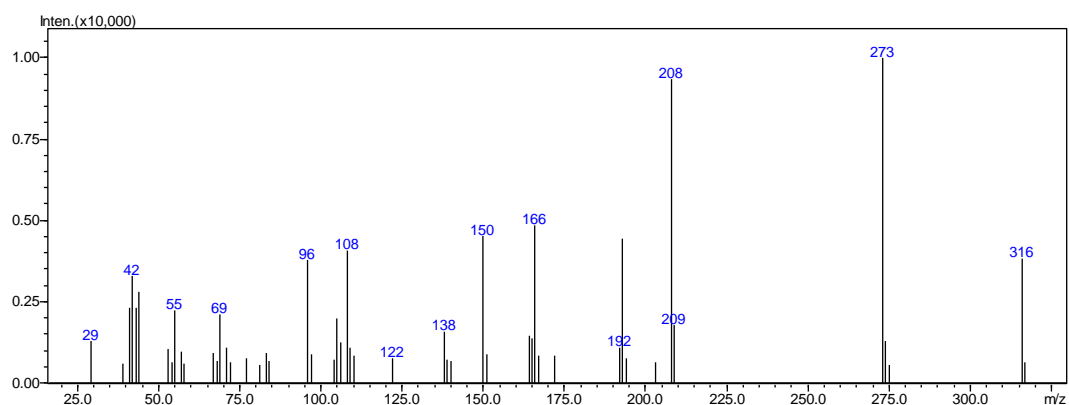
MW: 316

分子式: $C_{13}H_{24}N_4O_4S$

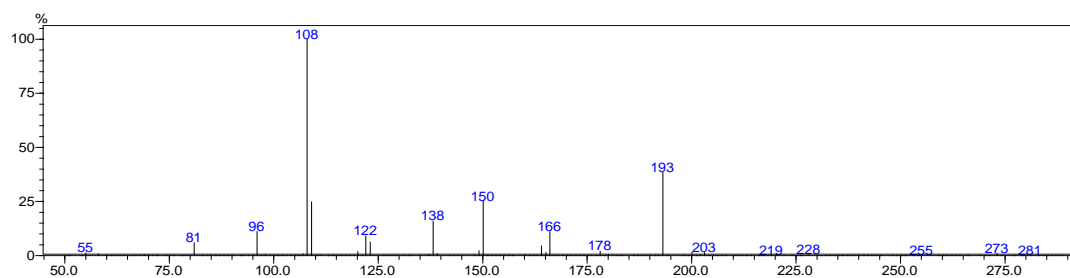
结构式:



Q3 scan



Product ion scan (m/z 273)



33. 噻嗪酮

化合物信息

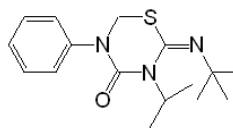
CAS#: 69327-76-0

英文名称: Buprofezin

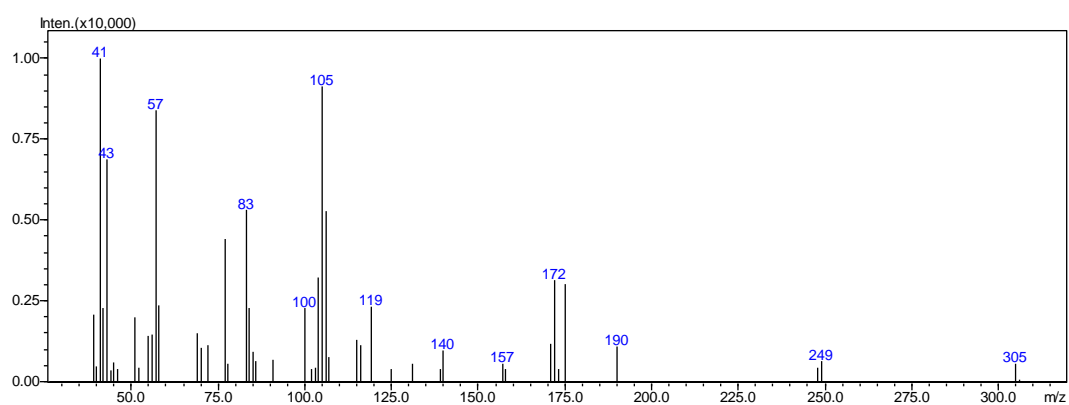
MW: 305

分子式: $C_{16}H_{23}N_3OS$

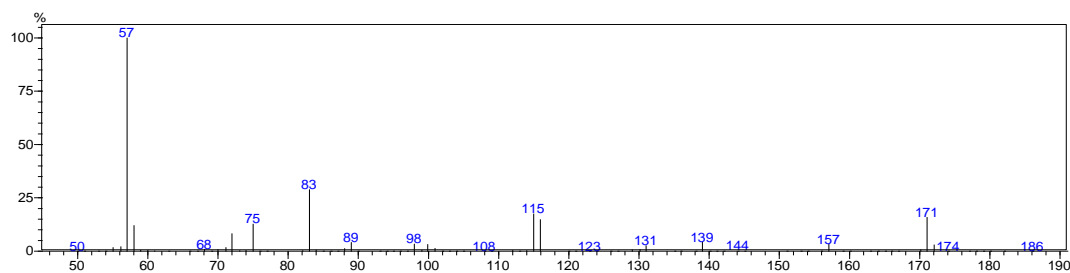
结构式:



Q3 scan



Product ion scan (m/z 172)



34. 丁草胺

化合物信息

CAS#: 23184-66-9

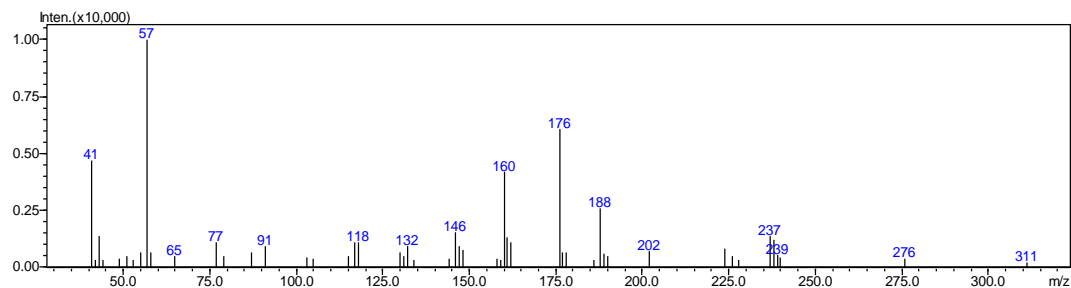
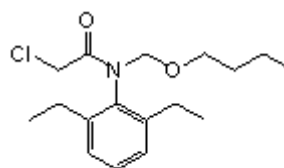
英文名称: Butachlor

MW: 311

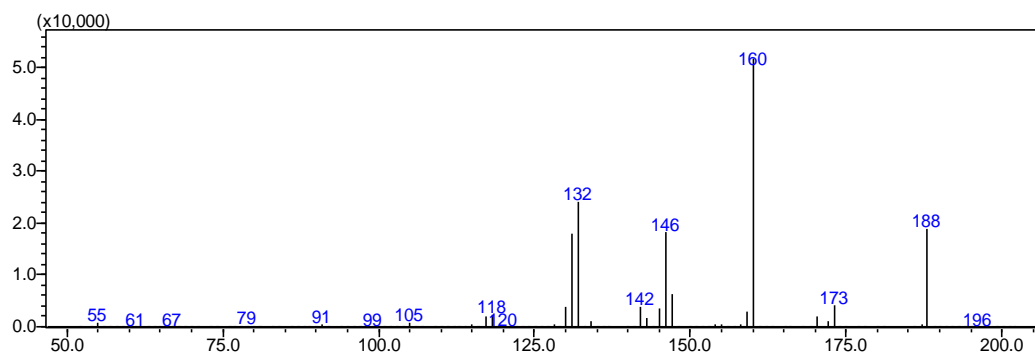
分子式: $C_{17}H_{26}ClNO_2$

Q3 scan

结构式:



Product ion scan (m/z 188)



35. 氟丙嘧草酯

化合物信息

CAS#: 134605-64-4

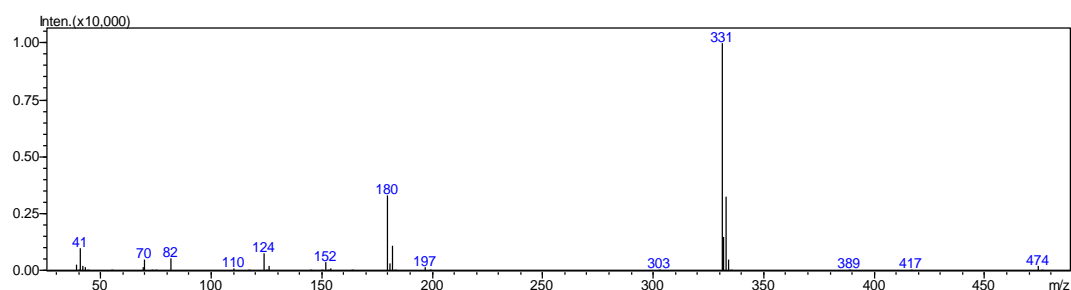
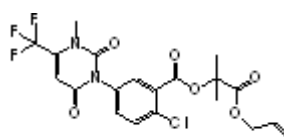
英文名称: Butafenacil

MW: 474

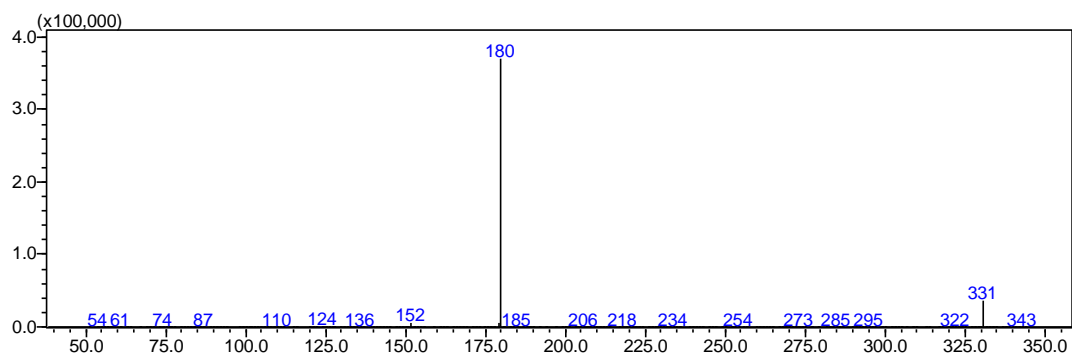
分子式: $C_{20}H_{18}ClF_3N_2O_6$

Q3 scan

结构式:



Product ion scan (m/z 331)



36. 抑草磷

化合物信息

CAS#: 36335-67-8

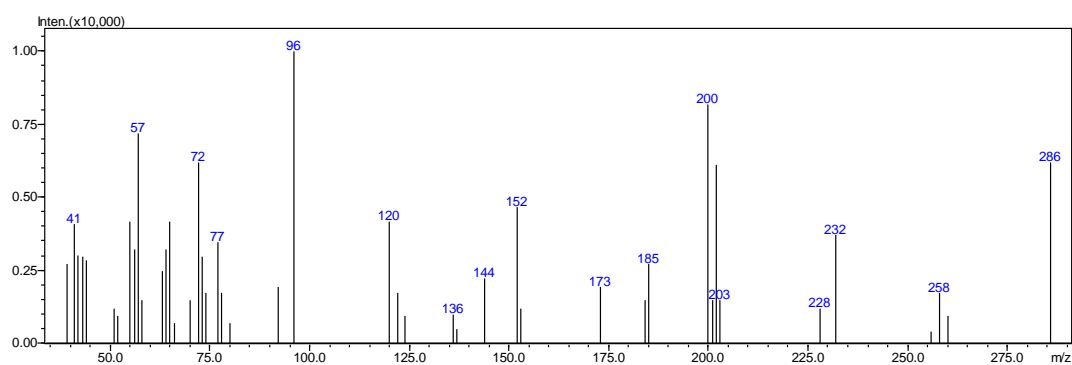
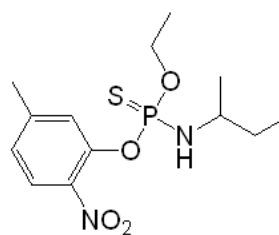
英文名称: Butamifos

MW: 332

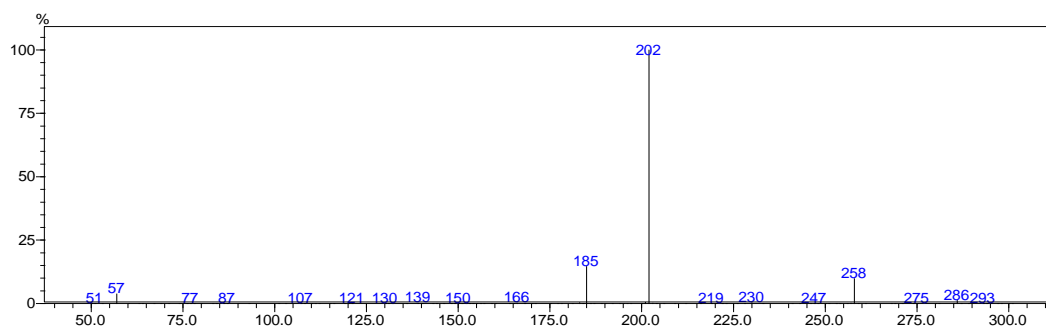
分子式: C₁₃H₂₁N₂O₄PS

Q3 scan

结构式:



Product ion scan (m/z 286)



37. 克线丹

化合物信息

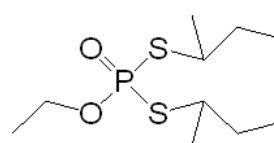
CAS#: 95465-99-9

英文名称: Cadusafos

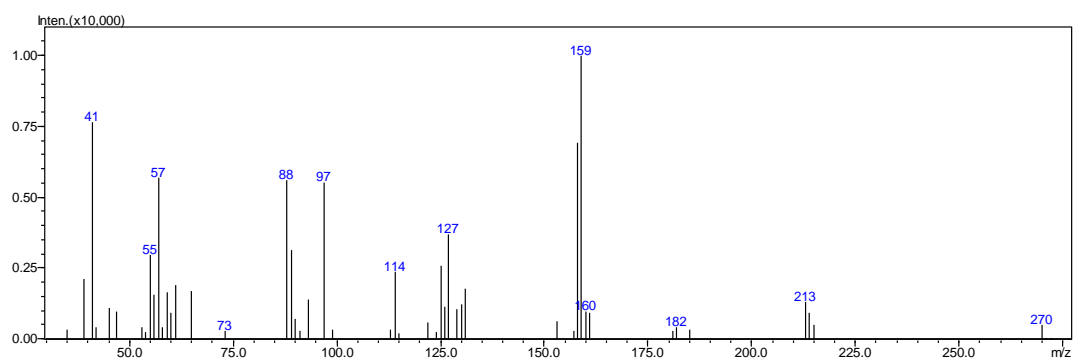
MW: 270

分子式: C₁₀H₂₃O₂PS₂

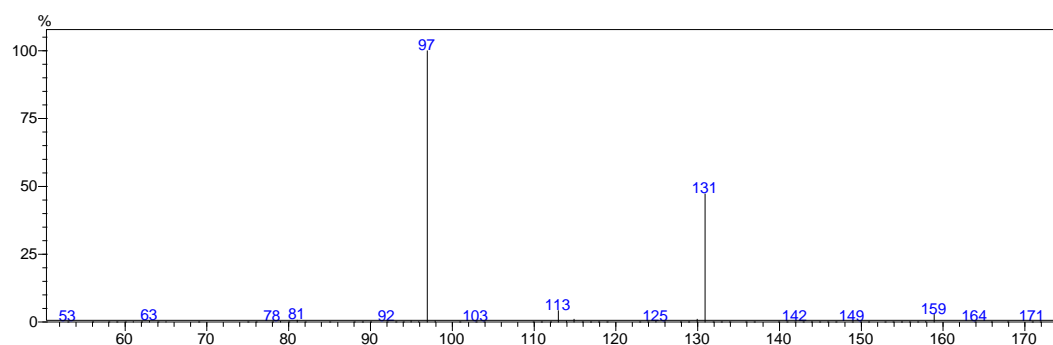
结构式:



Q3 scan



Product ion scan (m/z 159)



38. 苯酮唑

化合物信息

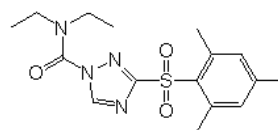
CAS#: 125306-83-4

英文名称: Cafenstrole

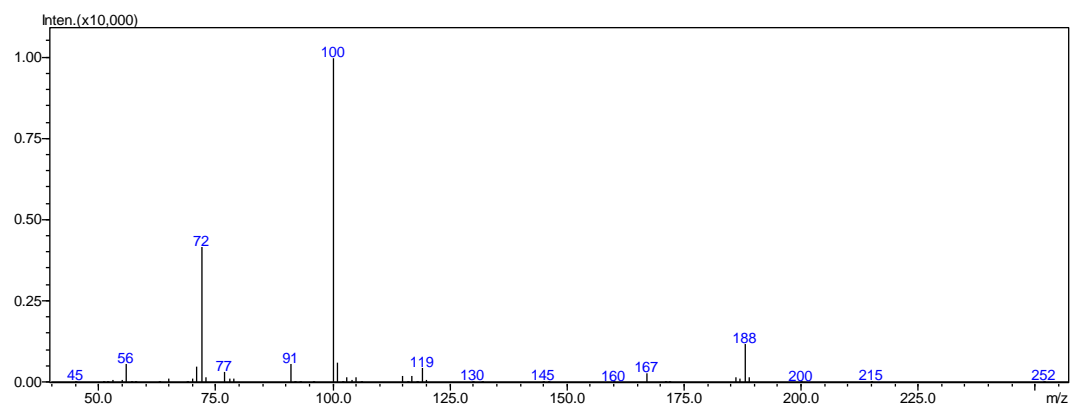
MW: 350

分子式: $C_{16}H_{22}N_4O_3S$

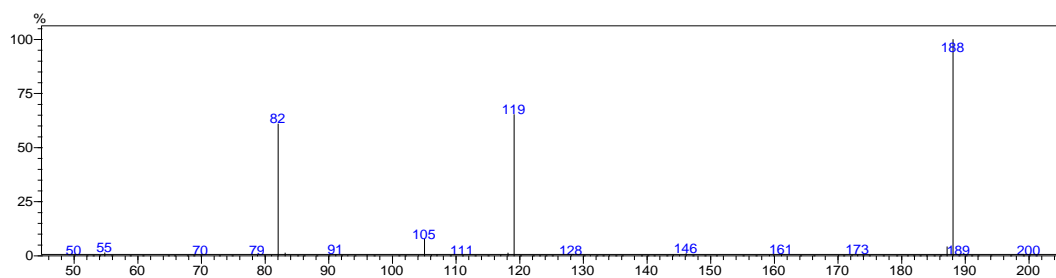
结构式:



Q3 scan



Product ion scan (m/z 188)



39. 敌菌丹

化合物信息

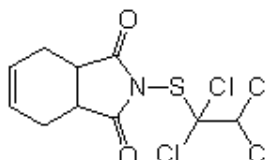
CAS#: 2425-06-1

英文名称: Captafol

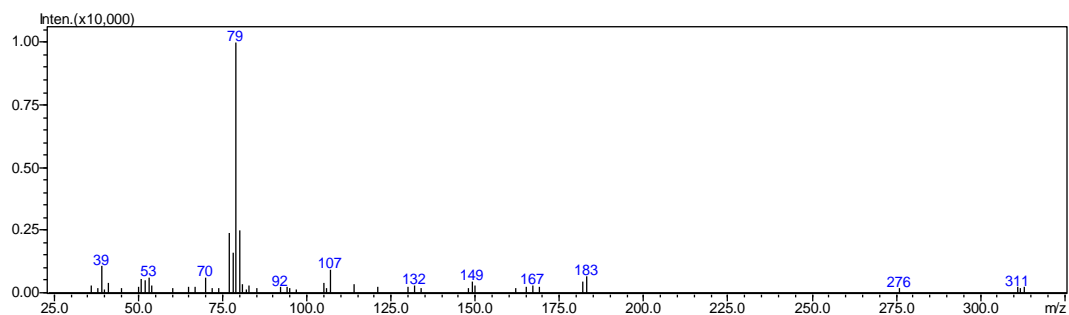
MW: 347

分子式: $C_{10}H_9Cl_4NO_2S$

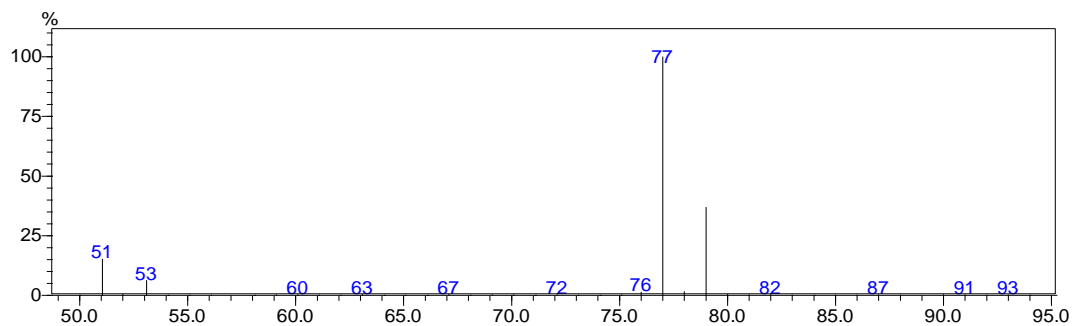
结构式:



Q3 scan



Product ion scan (m/z 79)



40. 克菌丹

化合物信息

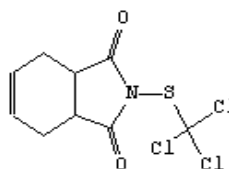
CAS#: 133-06-2

英文名称: Captan

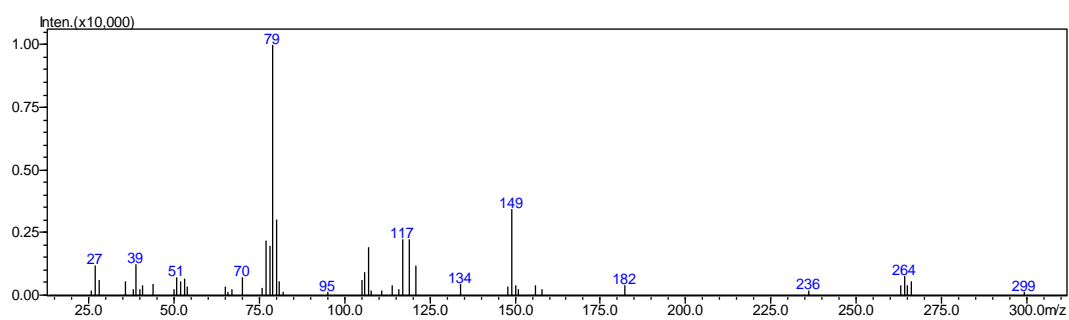
MW: 299

分子式: $C_9H_8Cl_3NO_2S$

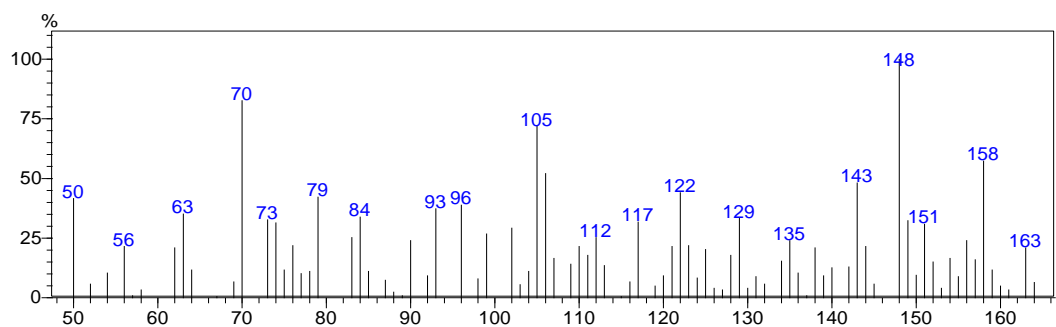
结构式:



Q3 scan



Product ion scan (m/z 149)



41. 克百威

化合物信息

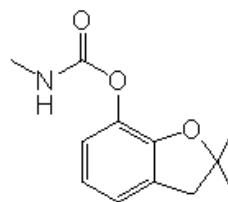
CAS#:1563-66-2

英文名称: Carbofuran

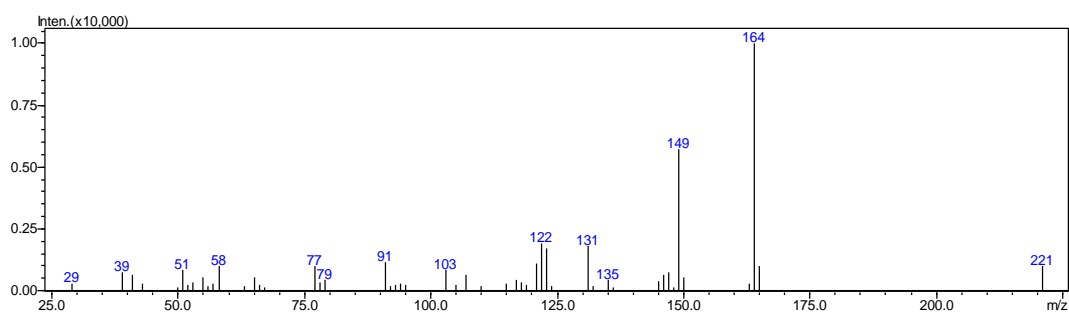
MW: 221

分子式: $C_{12}H_{15}NO_3$

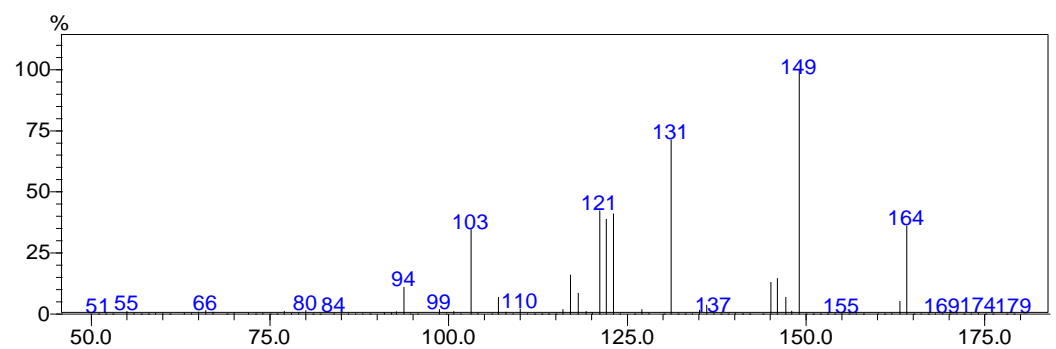
结构式:



Q3 scan



Product ion scan (m/z 164)



42. 萎锈灵

化合物信息

CAS#: 5234-68-4

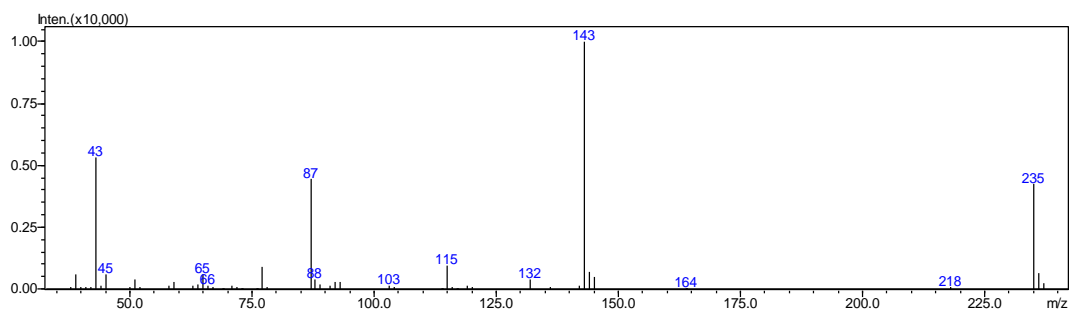
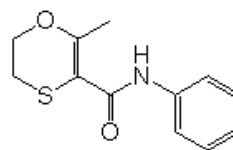
英文名称: Carboxin

MW: 235

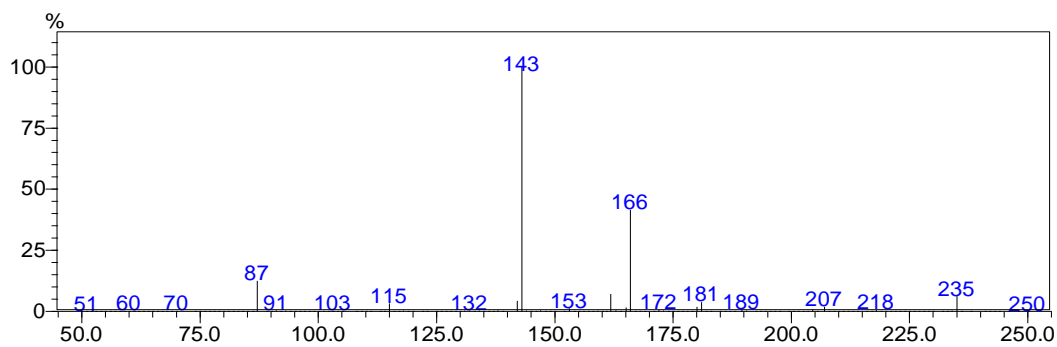
分子式: $C_{12}H_{13}NO_2S$

Q3 scan

结构式:



Product ion scan (m/z 235)



43. 氟酮唑草

化合物信息

CAS#: 128639-02-1

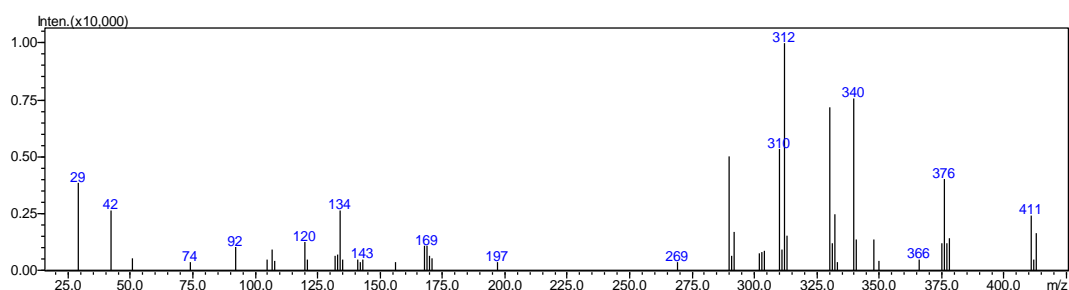
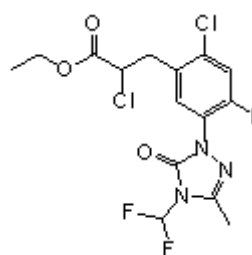
英文名称: Carfentrazone-ethyl

MW: 411

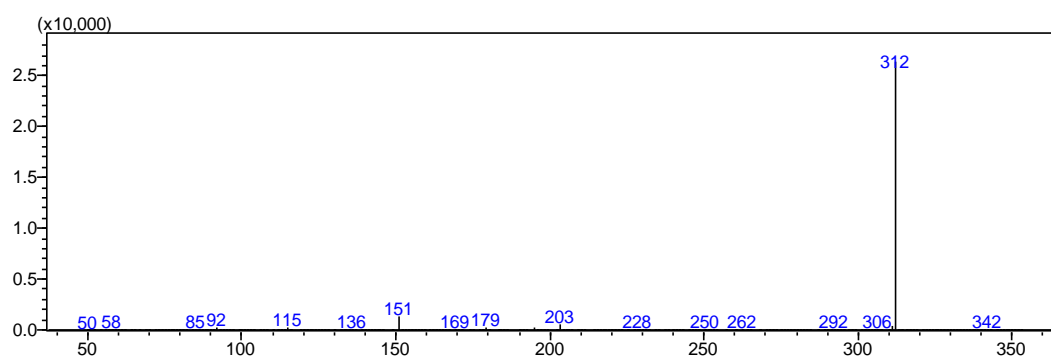
分子式: $C_{15}H_{14}Cl_2F_3N_3O_3$

Q3 scan

结构式:



Product ion scan (m/z 340)



44. 灭螨猛

化合物信息

CAS#:2439-01-2

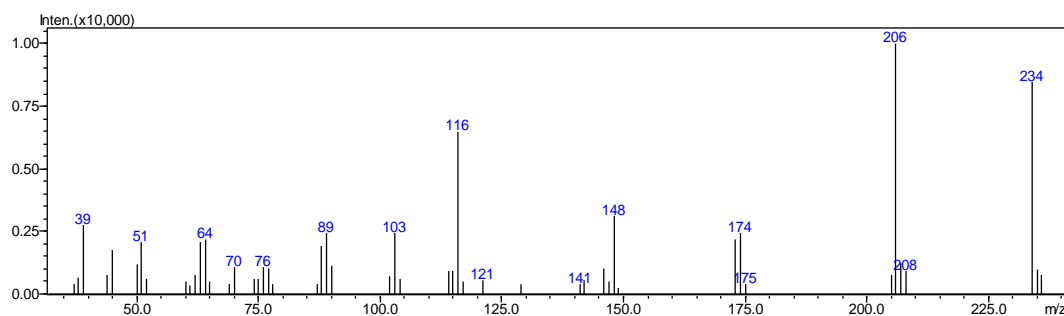
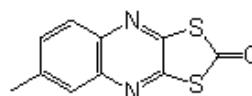
英文名称: Chinomethionat

MW: 234

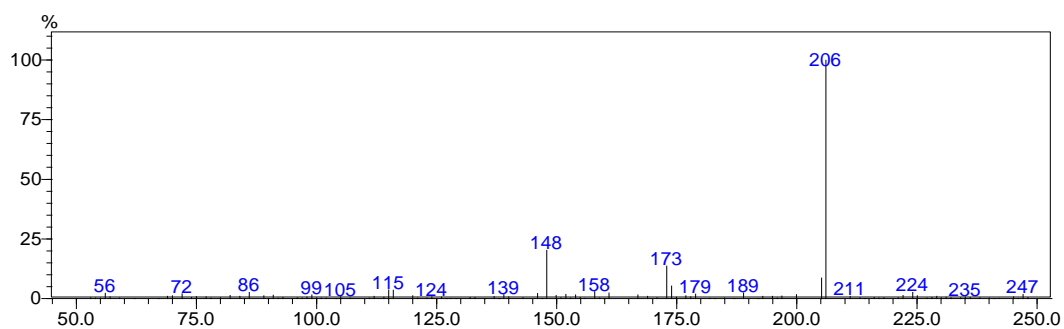
分子式: $C_{10}H_6N_2OS_2$

Q3 scan

结构式:



Product ion scan (m/z 234)



45. 氯杀螨

化合物信息

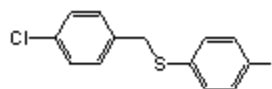
CAS#:103-17-3

英文名称: Chlorbenside

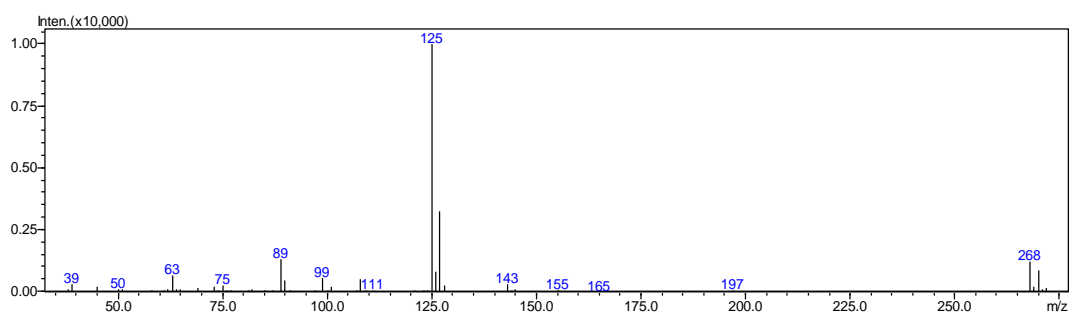
MW: 268

分子式: $C_{13}H_{10}Cl_2S$

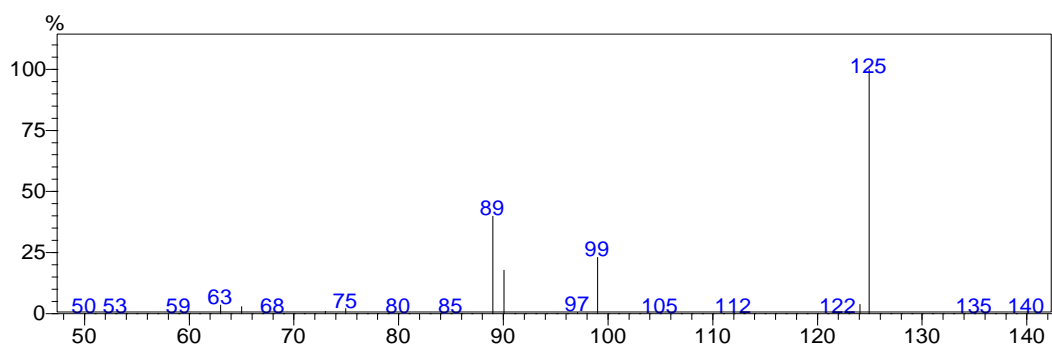
结构式:



Q3 scan



Product ion scan (m/z 125)



46. 氯炔灵

化合物信息

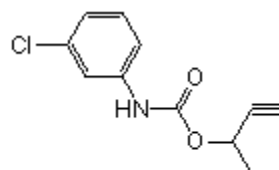
CAS#:1967-16-4

英文名称: Chlorbufam

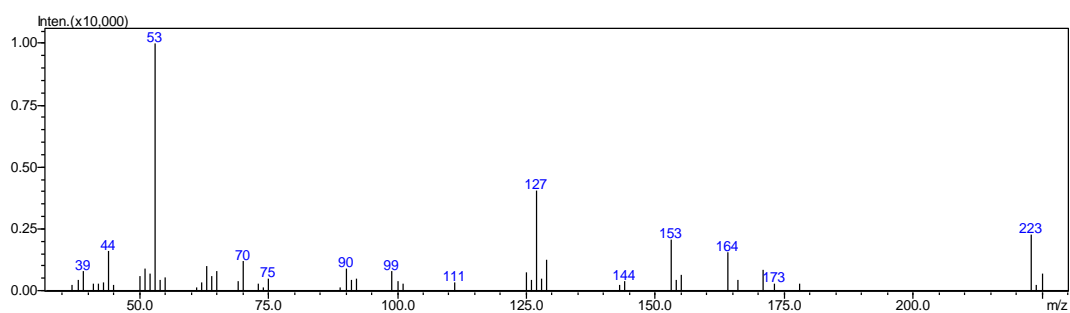
MW: 223

分子式: $C_{11}H_{10}ClNO_2$

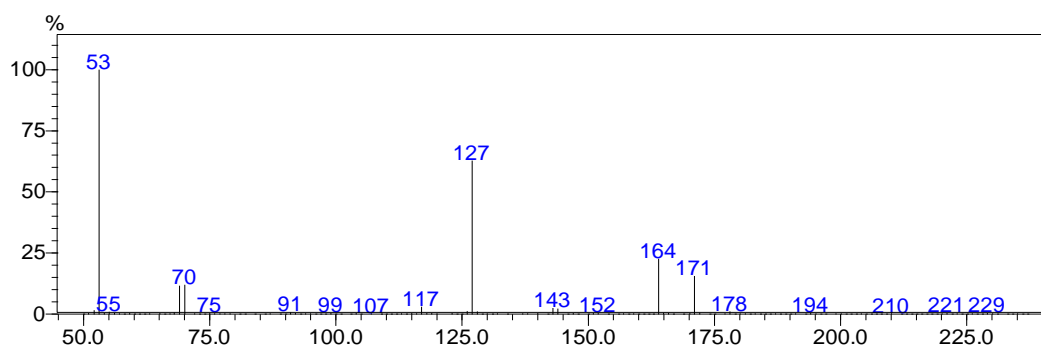
结构式:



Q3 scan



Product ion scan (m/z 223)



47. 氯氧磷

化合物信息

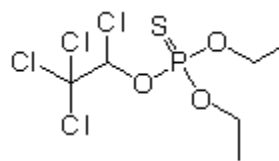
CAS#:54593-83-8

英文名称: Chlorethoxyfos

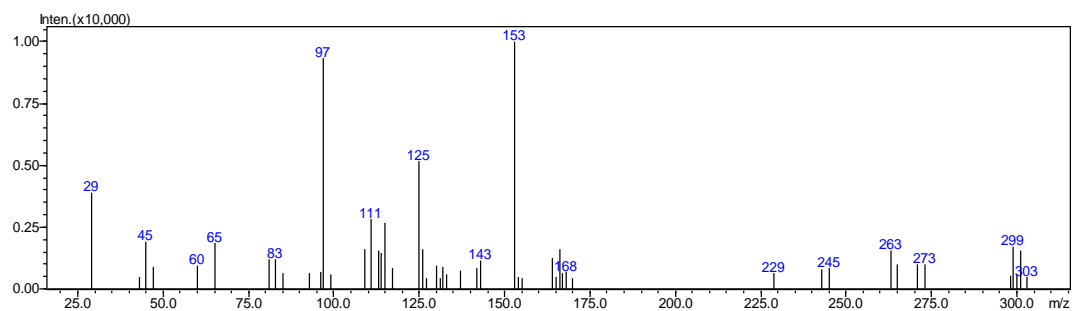
MW: 334

分子式: $C_6H_{11}Cl_4O_3PS$

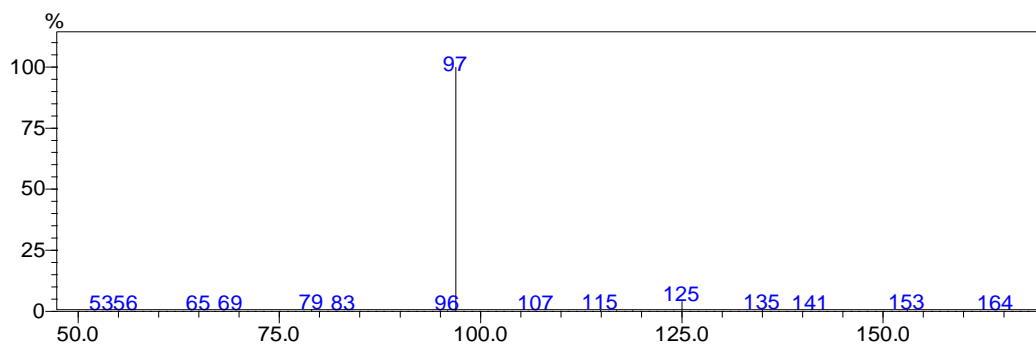
结构式:



Q3 scan



Product ion scan (m/z 153)



48. 虫螨腈

化合物信息

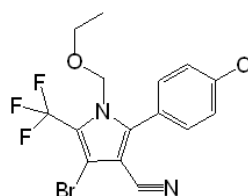
CAS#: 122453-73-0

英文名称: Chlorfenapyr

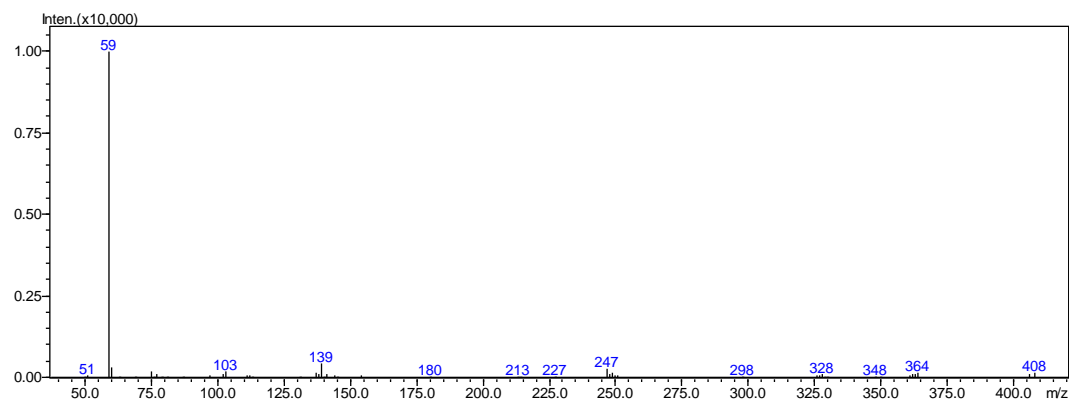
MW: 406

分子式: $C_{15}H_{11}BrF_3N_2O$

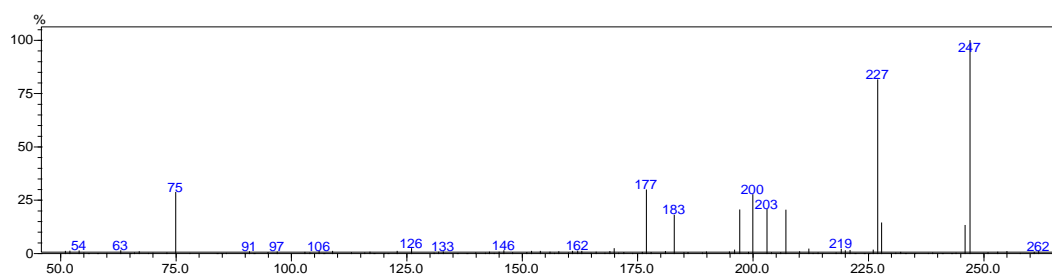
结构式:



Q3 scan



Product ion scan (m/z 247)



49. 杀螨酯

化合物信息

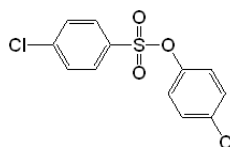
CAS#: 80-33-1

英文名称: Chlorfenson

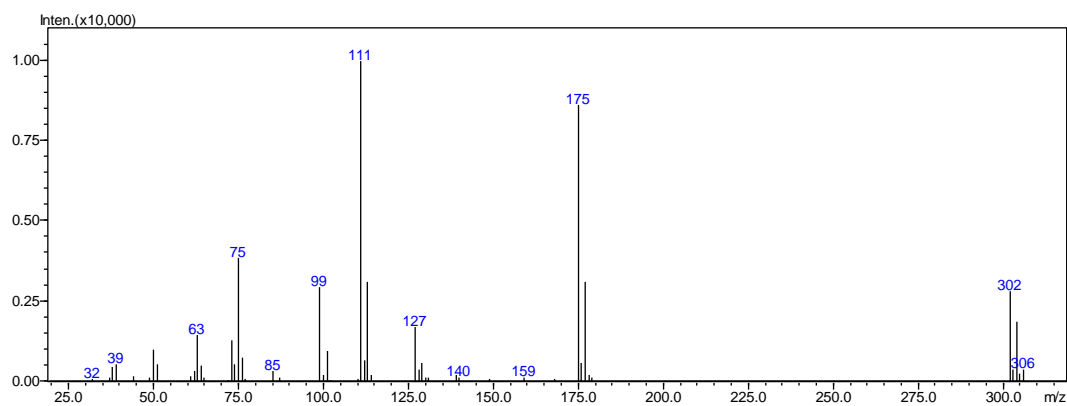
MW: 302

分子式: $C_{12}H_8Cl_2O_3S$

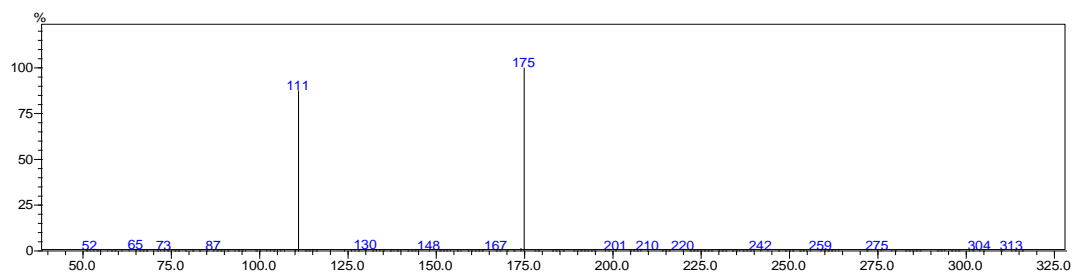
结构式:



Q3 scan



Product ion scan (m/z 302)



50. (E)-毒虫畏

化合物信息

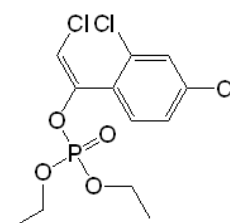
CAS#: 18708-86-6

英文名称: α -Chlorfenvinphos

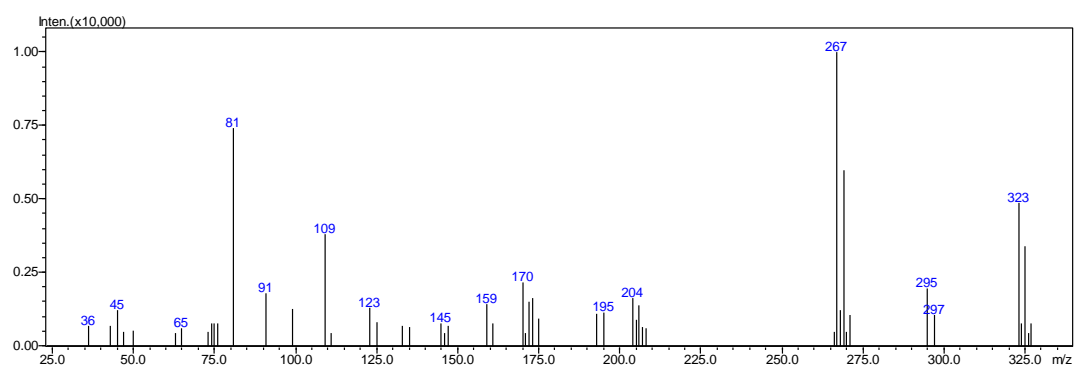
MW: 358

分子式: $C_{12}H_{14}Cl_3O_4P$

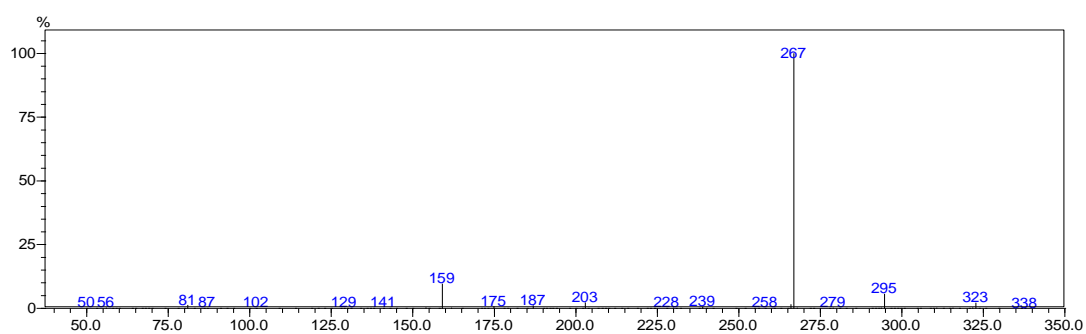
结构式:



Q3 scan



Product ion scan (m/z 323)



51. (Z)-毒虫畏

化合物信息

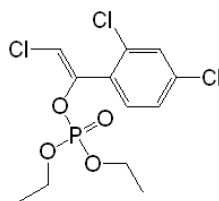
CAS#: 18708-87-7

英文名称: β -Chlorfenvinphos

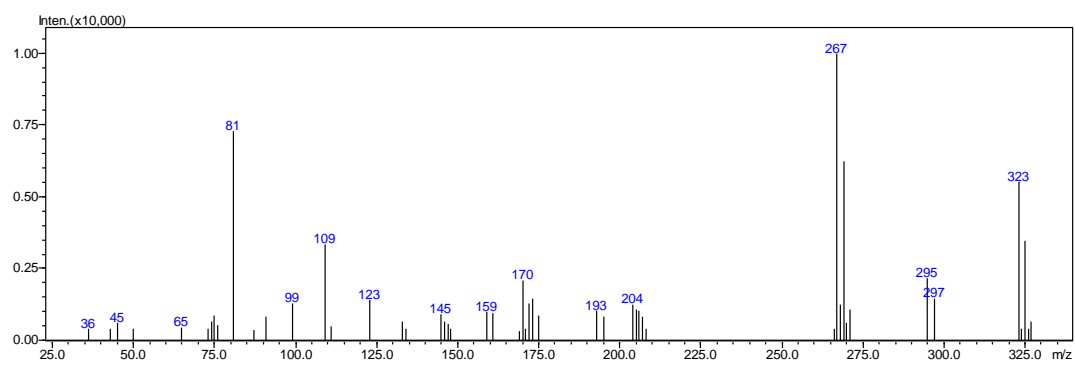
MW: 358

分子式: $C_{12}H_{14}Cl_3O_4P$

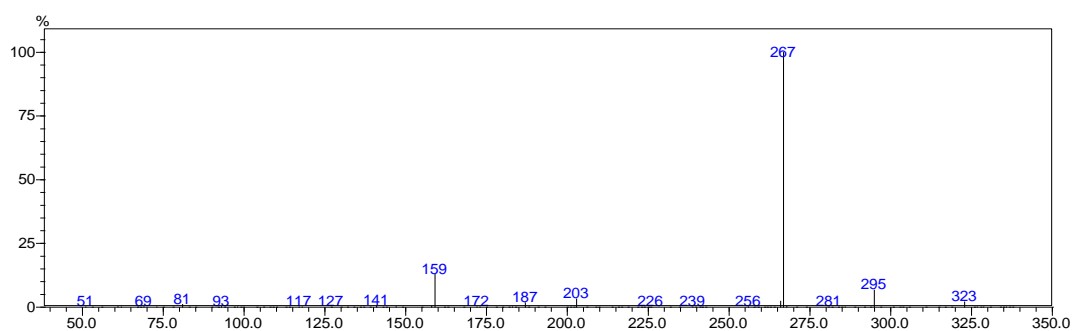
结构式:



Q3 scan



Product ion scan (m/z 323)



52. 草枯醚

化合物信息

CAS#: 1836-77-7

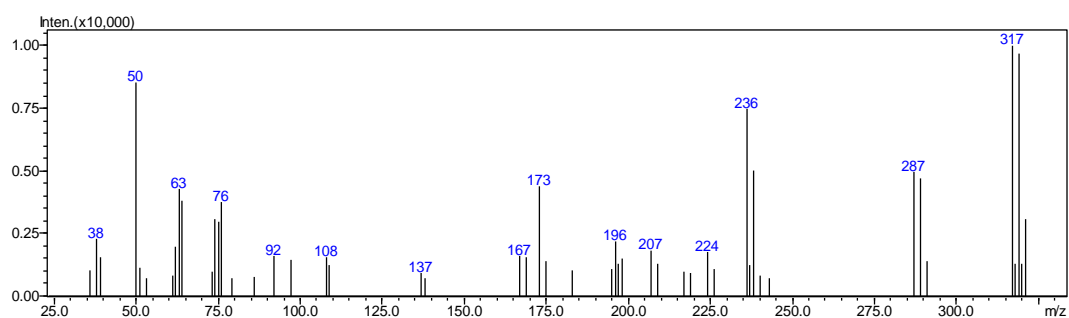
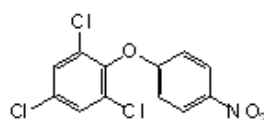
英文名称: Chlornitrofen

MW: 317

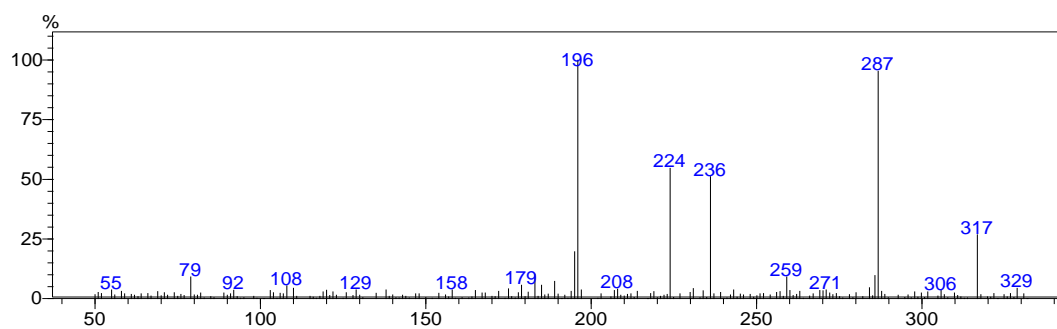
分子式: $C_{12}H_6Cl_3NO_3$

Q3 scan

结构式:



Product ion scan (m/z 317)



53. 乙酯杀螨醇

化合物信息

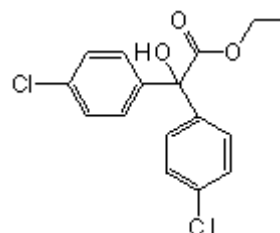
CAS#: 510-15-6

英文名称: Chlorobenzilate

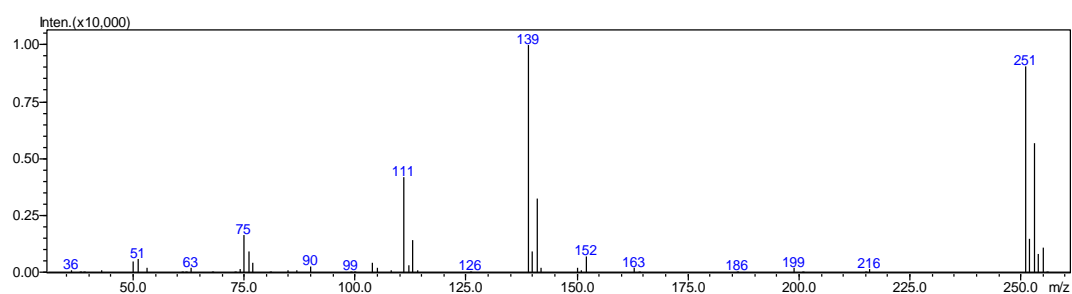
MW: 324

分子式: $C_{16}H_{14}Cl_2O_3$

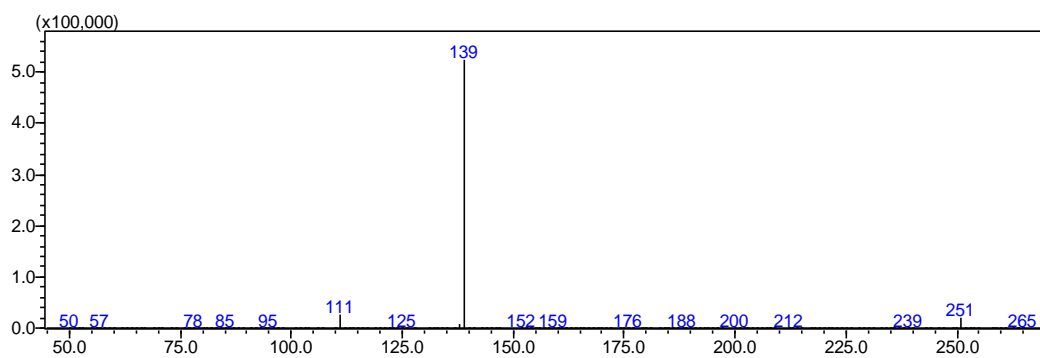
结构式:



Q3 scan



Product ion scan (m/z 251)



54. 地茂散

化合物信息

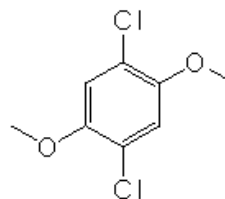
结构式:

CAS#:2675-77-6

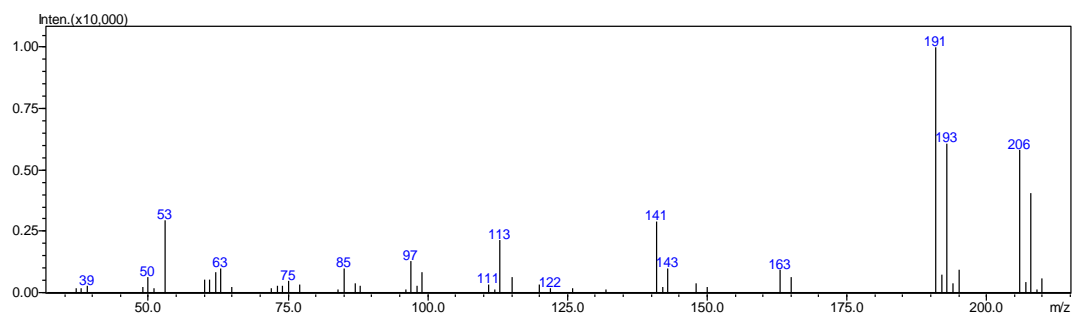
英文名称: Chloroneb

MW: 206

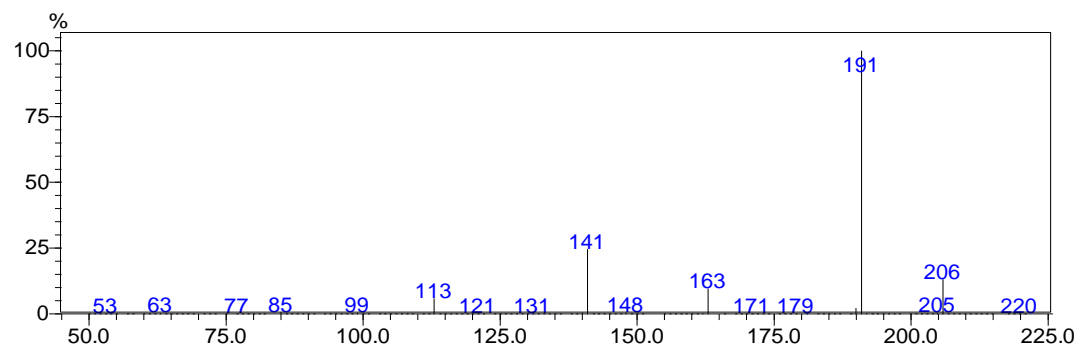
分子式: $C_8H_8Cl_2O_2$



Q3 scan



Product ion scan (m/z 206)



55. 丙酯杀螨醇

化合物信息

CAS#: 5836-10-2

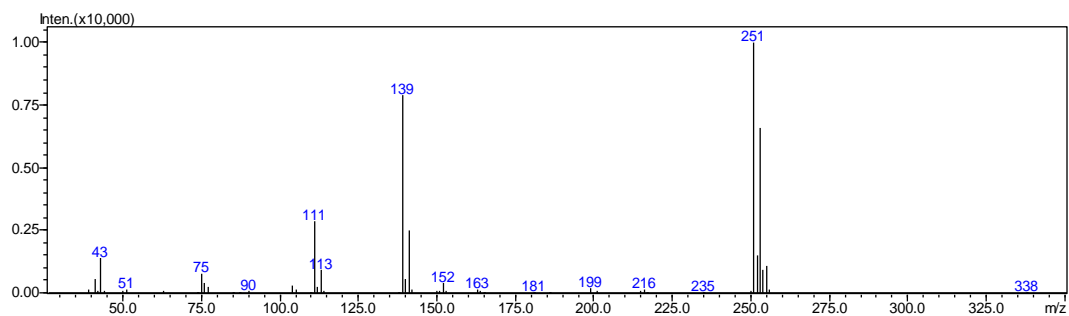
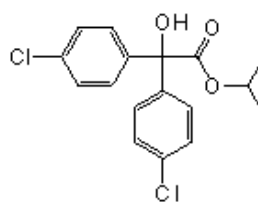
英文名称: Chloropropylate

MW: 338

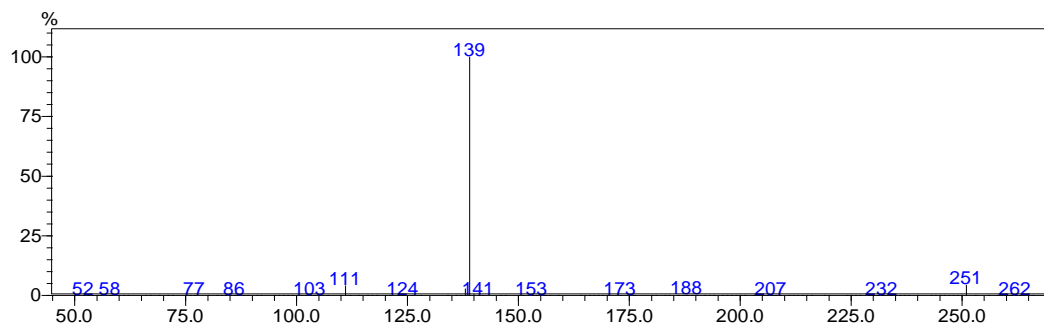
分子式: $C_{17}H_{16}Cl_2O_3$

Q3 scan

结构式:



Product ion scan (m/z 251)



56. 异稻瘟净

化合物信息

CAS#: 26087-47-8

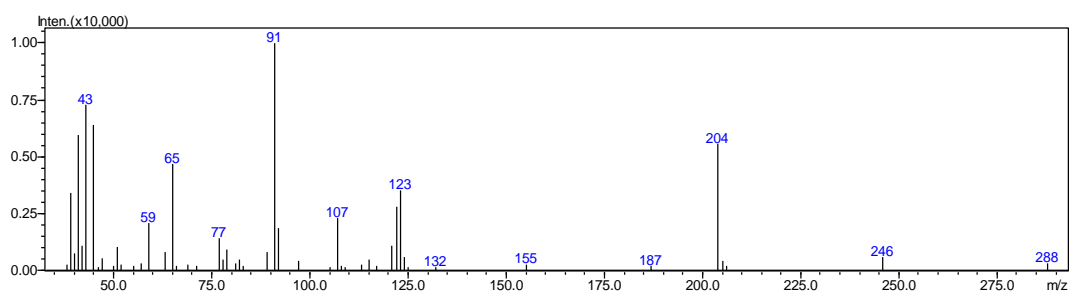
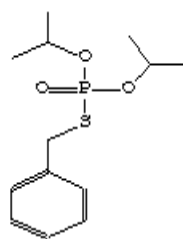
英文名称: Iprobenphos

MW: 288

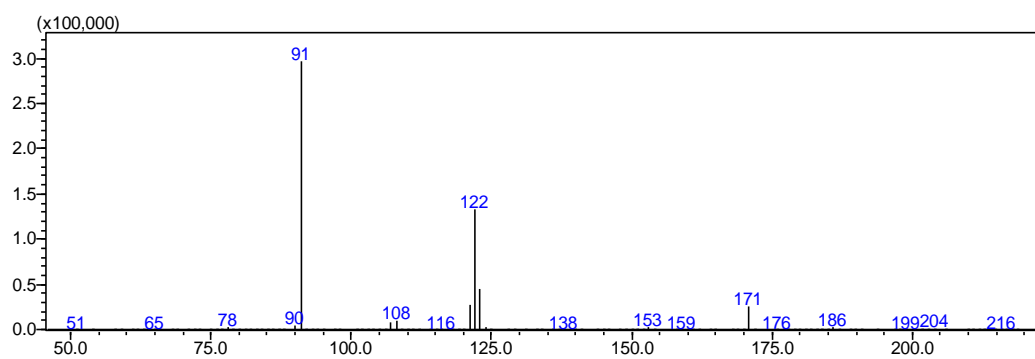
分子式: $C_{13}H_{21}O_3PS$

Q3 scan

结构式:



Product ion scan (m/z 204)



57. 氯苯胺灵

化合物信息

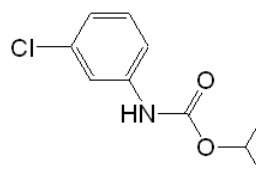
CAS#: 101-21-3

英文名称: Chlorpropham

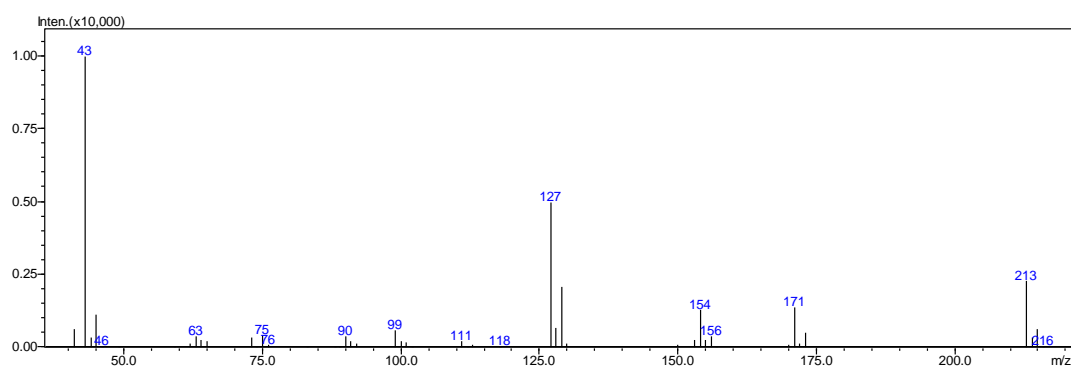
MW: 213

分子式: $C_{10}H_{12}ClNO_2$

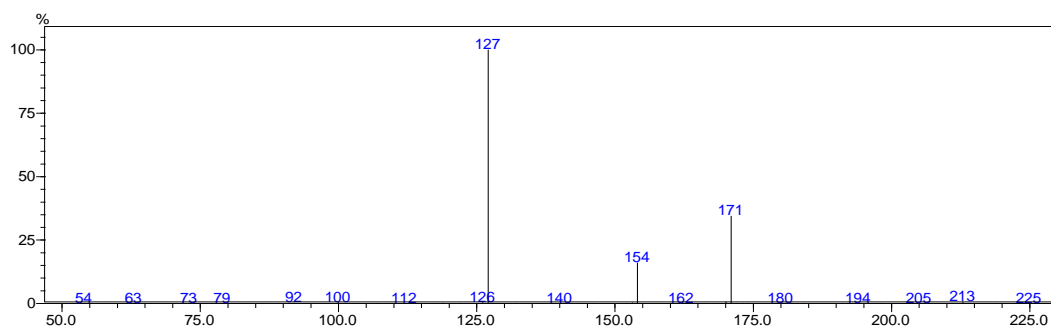
结构式:



Q3 scan



Product ion scan (m/z 213)



58. 毒死蜱

化合物信息

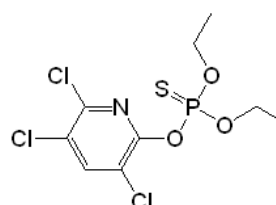
CAS#: 2921-88-2

英文名称: Chlorpyrifos

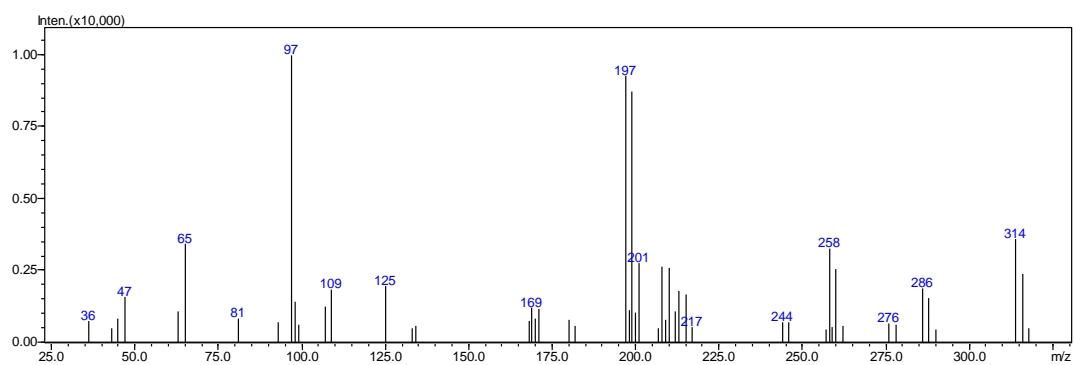
MW: 349

分子式: $C_9H_{11}Cl_3NO_3PS$

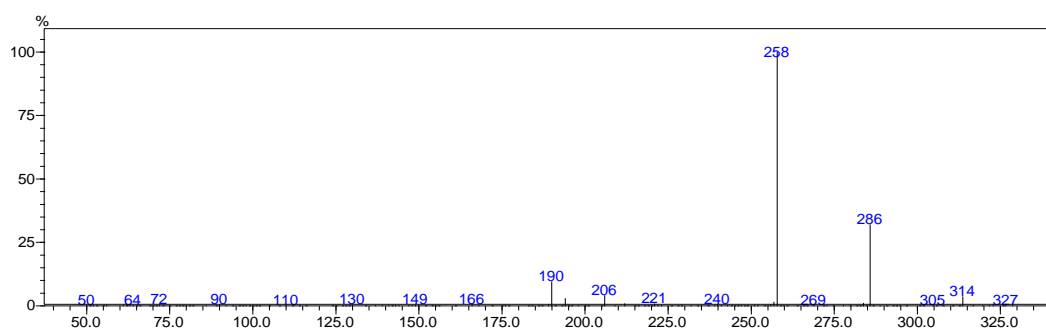
结构式:



Q3 scan



Product ion scan (m/z 314)



59. 甲基毒死蜱

化合物信息

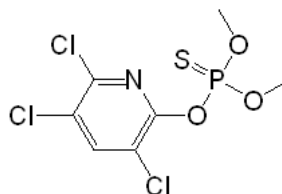
CAS#: 5598-13-0

英文名称: Chlorpyrifos-methyl

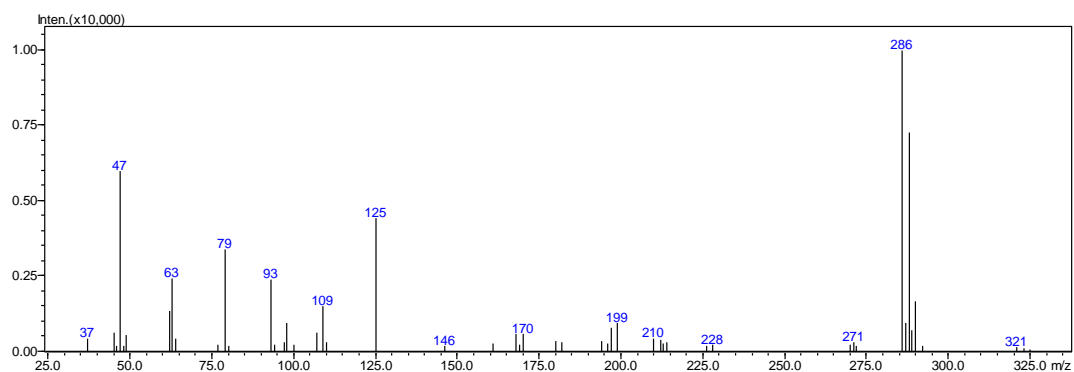
MW: 321

分子式: $C_7H_7Cl_3NO_3PS$

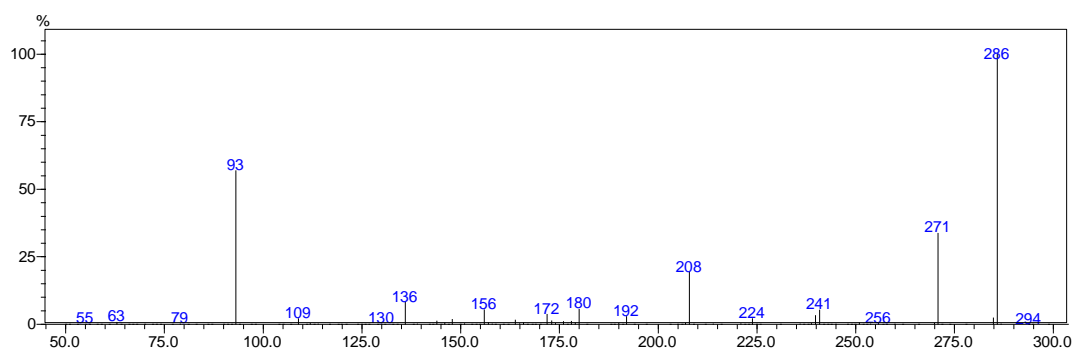
结构式:



Q3 scan



Product ion scan (m/z 286)



60. 氯酞酸二甲酯

化合物信息

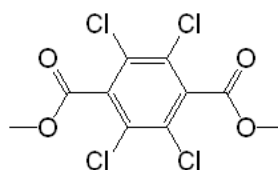
CAS#: 1861-32-1

英文名称: Chlorothal dimethyl

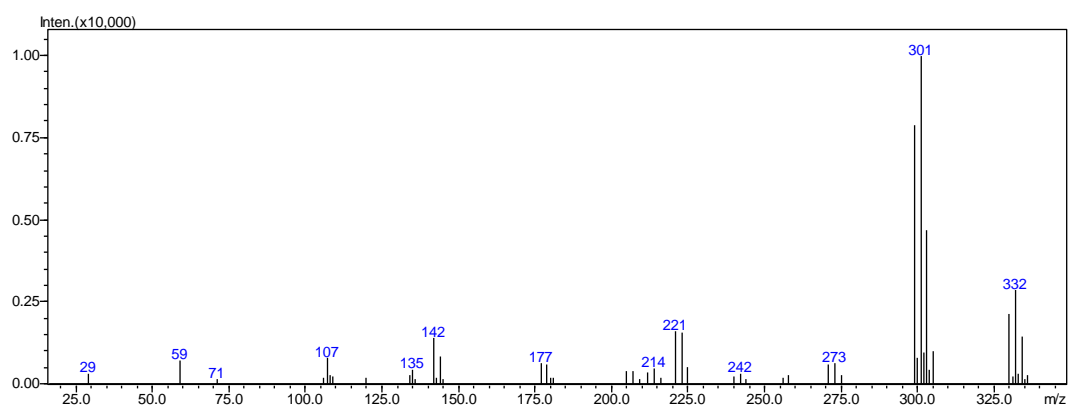
MW: 330

分子式: $C_{10}H_6Cl_4O_4$

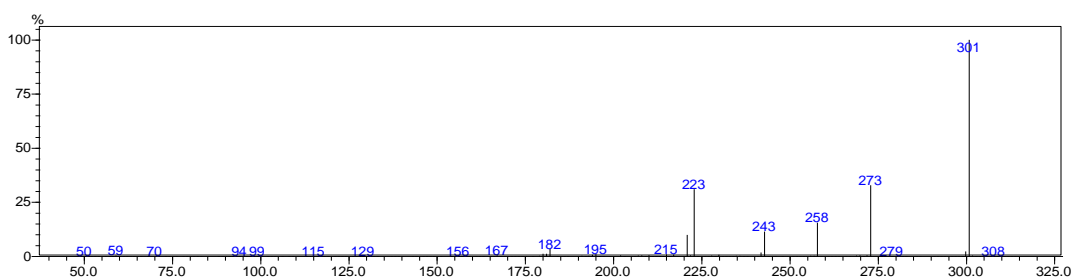
结构式:



Q3 scan



Product ion scan (m/z 301)



61. 乙菌利

化合物信息

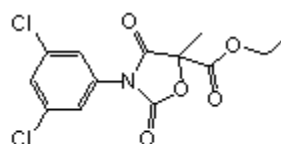
CAS#: 84332-86-5

英文名称: Chlozolate

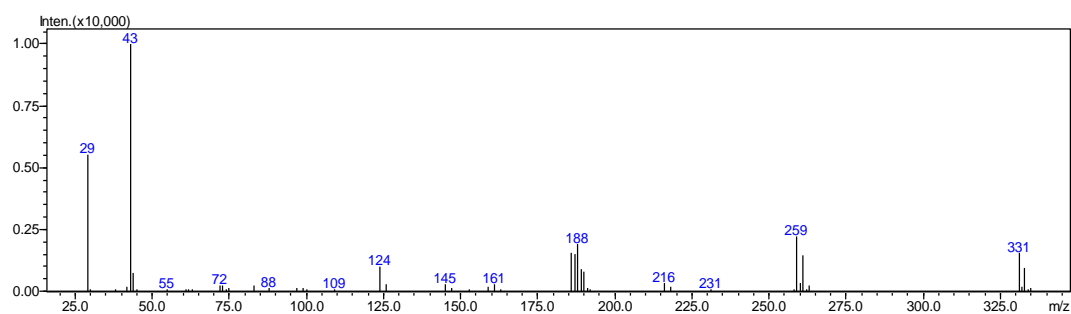
MW: 331

分子式: $C_{13}H_{11}Cl_2NO_5$

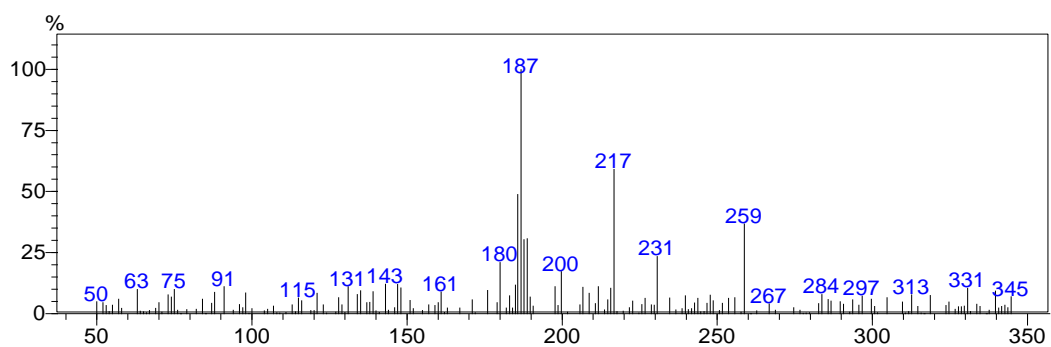
结构式:



Q3 scan



Product ion scan (m/z 331)



62. 吡啶酮草酯

化合物信息

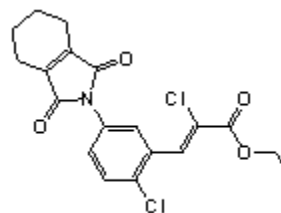
结构式:

CAS#:142891-20-1

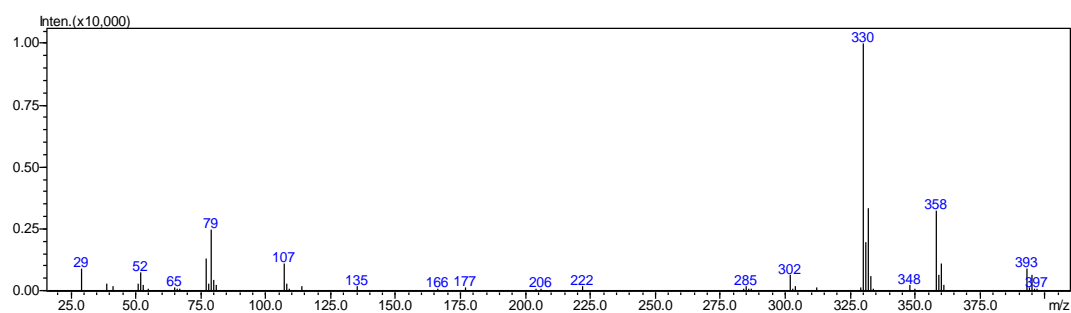
英文名称: Cinidon-ethyl

MW: 393

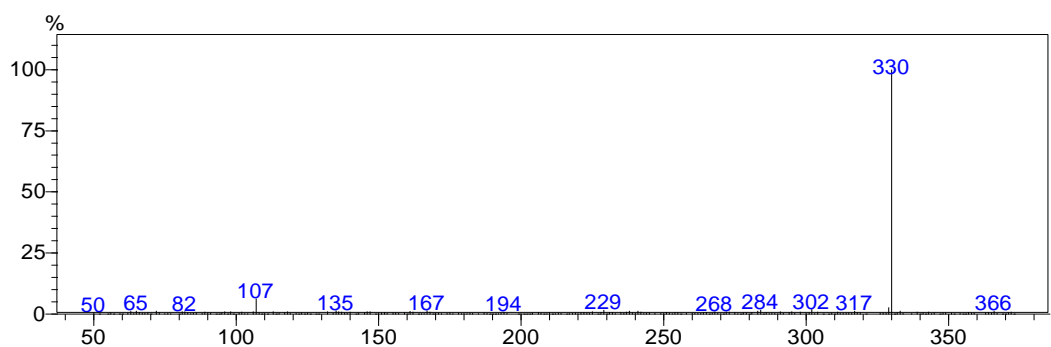
分子式: $C_{19}H_{17}Cl_2NO_4$



Q3 scan



Product ion scan (m/z 358)



63. 广灭灵

化合物信息

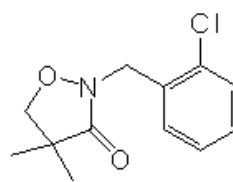
CAS#:81777-89-1

英文名称: Clomazone

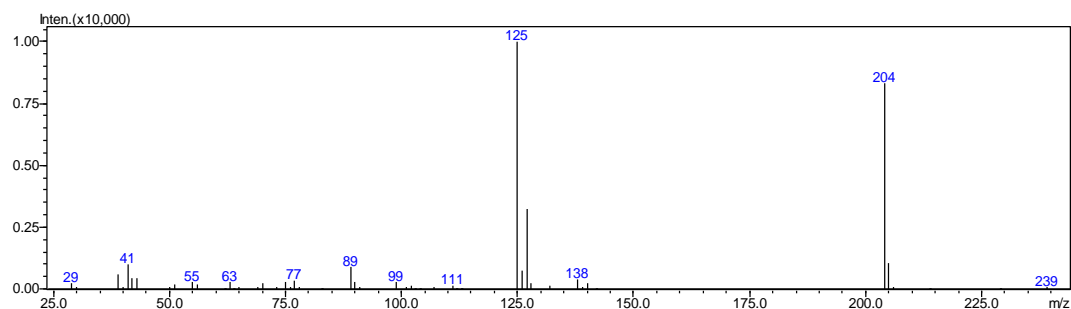
MW: 239

分子式: $C_{12}H_{14}ClNO_2$

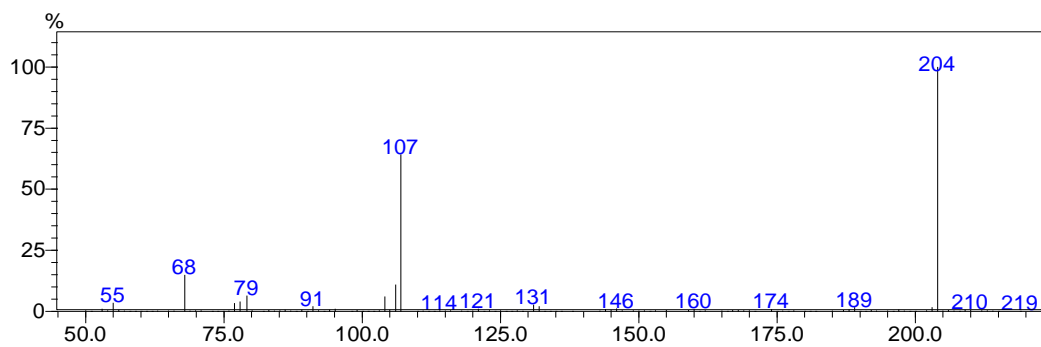
结构式:



Q3 scan



Product ion scan (m/z 204)



64. 氯甲酰草胺

化合物信息

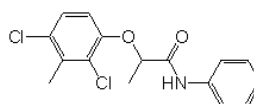
CAS#: 84496-56-0

英文名称: Clomeprop

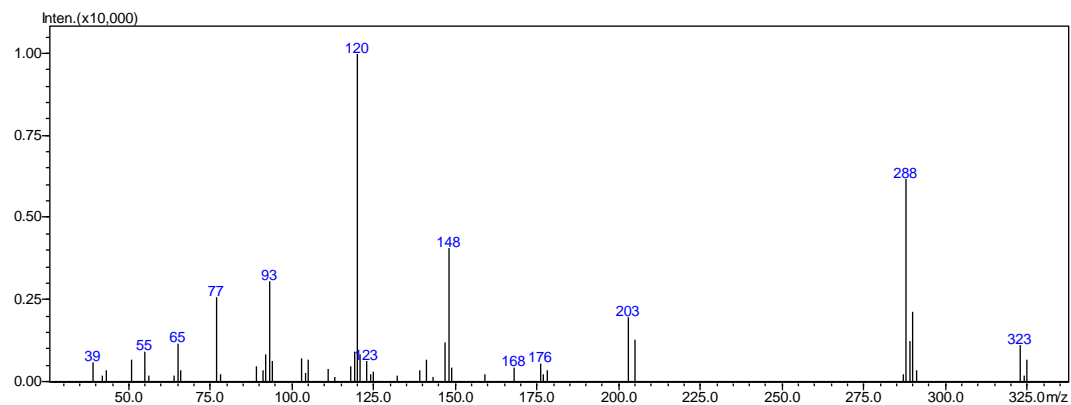
MW: 323

分子式: $C_{16}H_{15}Cl_2NO_2$

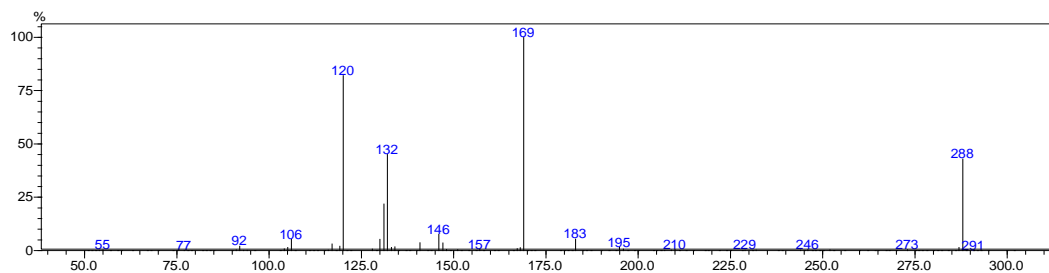
结构式:



Q3 scan



Product ion scan (m/z 288)



65. 蝇毒磷

化合物信息

CAS#: 56-72-4

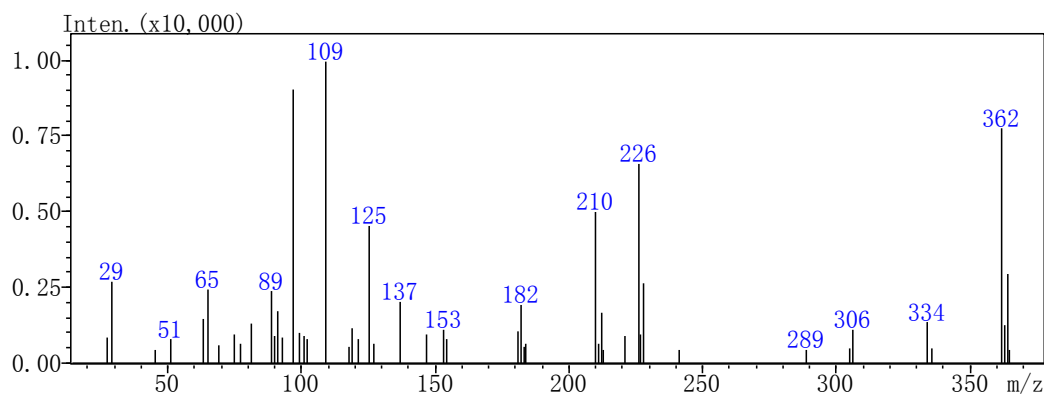
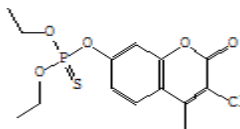
英文名称: Coumaphos

MW: 240

分子式: $C_{14}H_{16}ClO_5PS$

Q3 scan

结构式:



66. 氰草津

化合物信息

CAS#: 21725-46-2

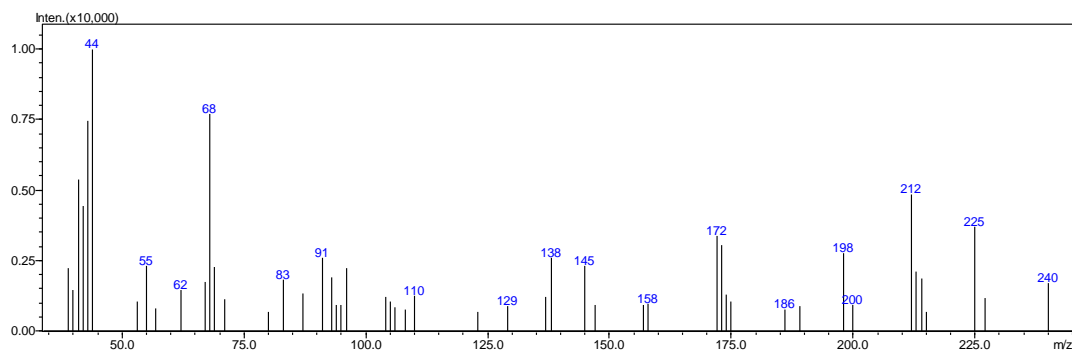
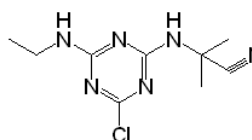
英文名称: Cyanazine

MW: 240

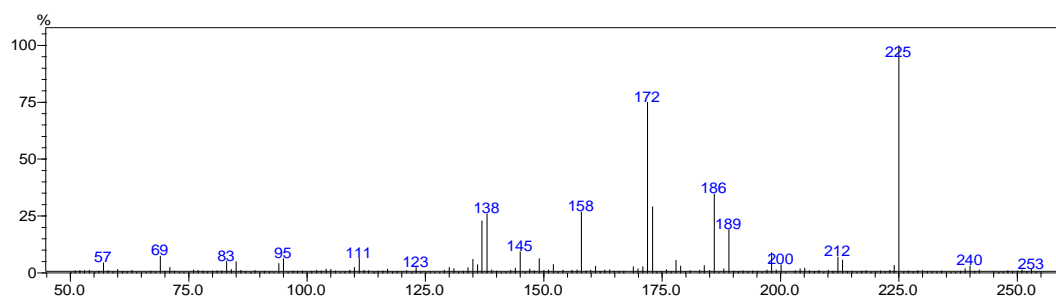
分子式: $C_9H_{13}ClN_6$

Q3 scan

结构式:



Product ion scan (m/z 240)



67. 苯腈磷

化合物信息

CAS#: 13067-93-1

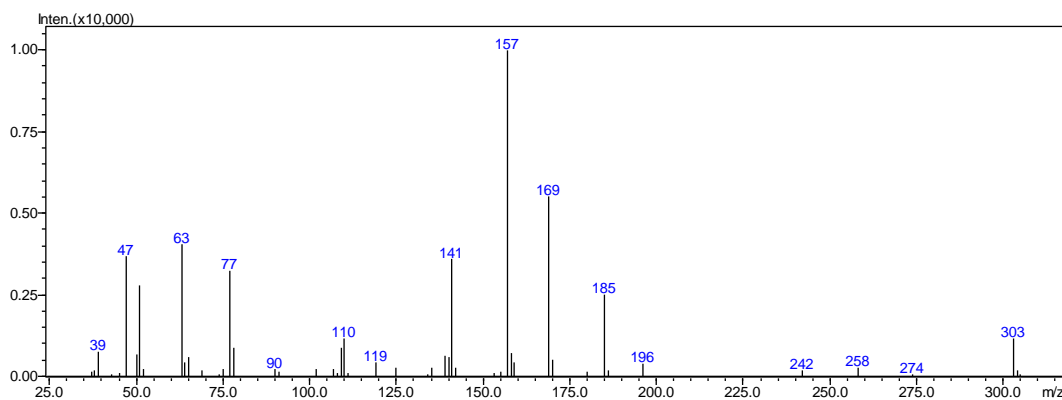
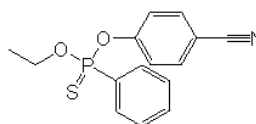
英文名称: Cyanofenphos

MW: 303

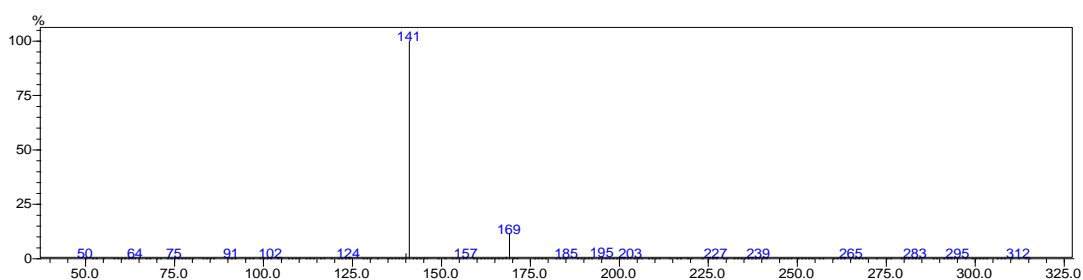
分子式: $C_{15}H_{14}NO_2PS$

Q3 scan

结构式:



Product ion scan (m/z 303)



68. 杀螟腈

化合物信息

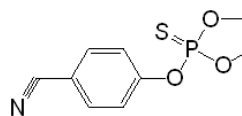
CAS#: 2636-26-2

英文名称: Cyanophos

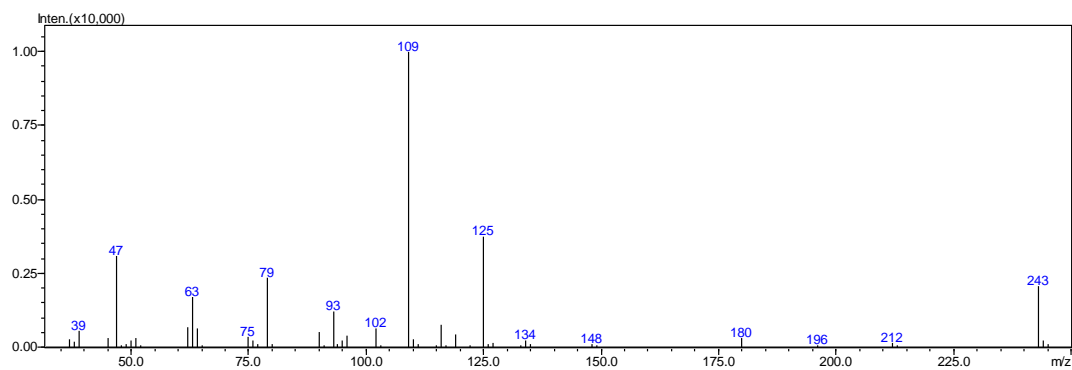
MW: 243

分子式: $C_9H_{10}NO_3PS$

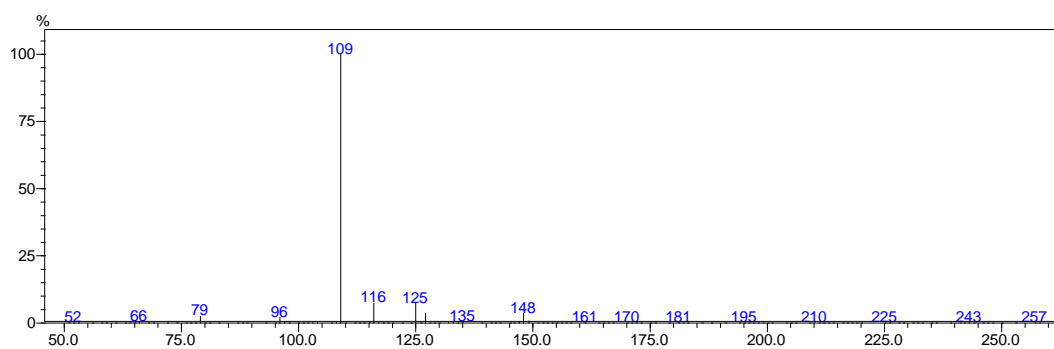
结构式:



Q3 scan



Product ion scan (m/z 243)



69. 环氟菌胺

化合物信息

CAS#: 180409-60-3

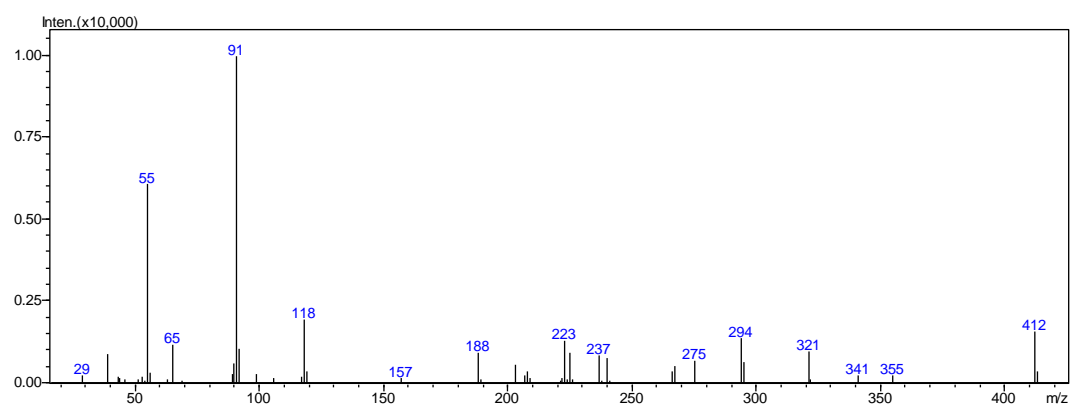
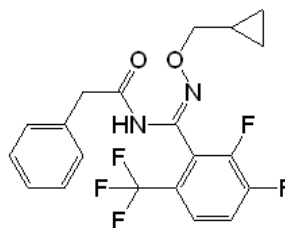
英文名称: Cyflufenamid

MW: 412

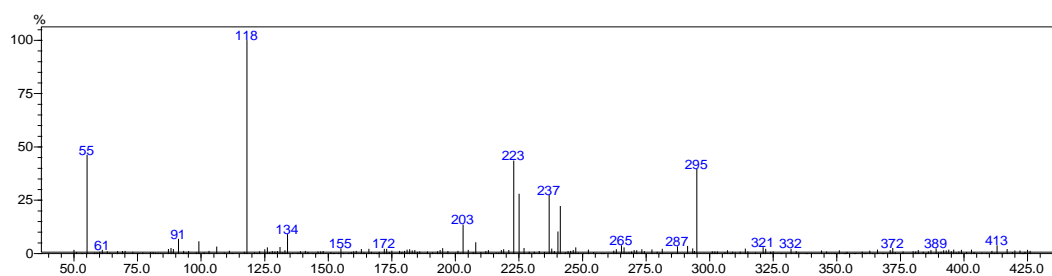
分子式: $C_{20}H_{17}F_5N_2O_2$

Q3 scan

结构式:



Product ion scan (m/z 412)



70. 氟氯氰菊酯

化合物信息

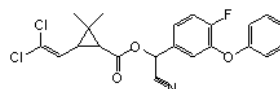
CAS#: 68359-37-5

英文名称: Cyfluthrin

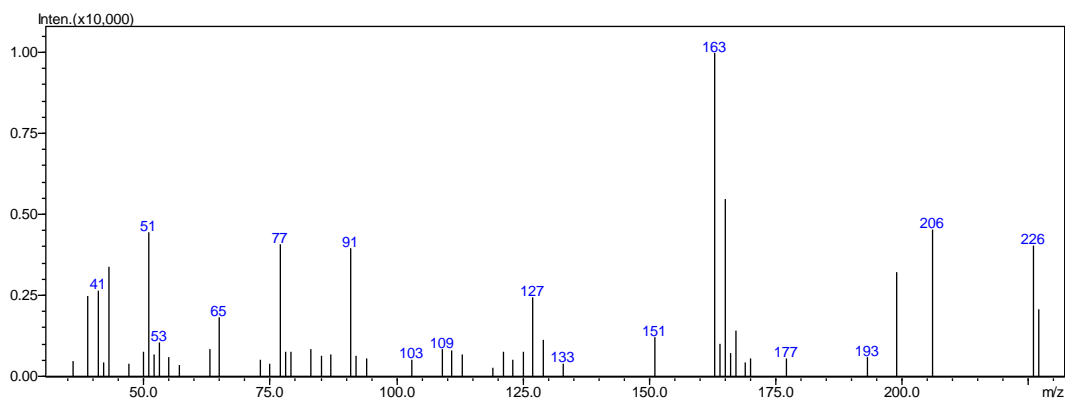
MW: 433

分子式: $C_{22}H_{18}Cl_2FNO_3$

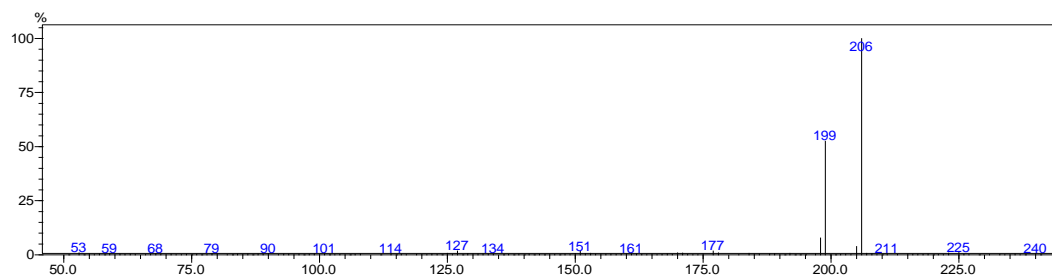
结构式:



Q3 scan



Product ion scan (m/z 226)



71. 氰氟草酯

化合物信息

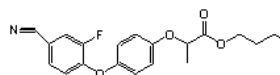
CAS#: 122008-85-9

英文名称: Cyhalofop-butyl

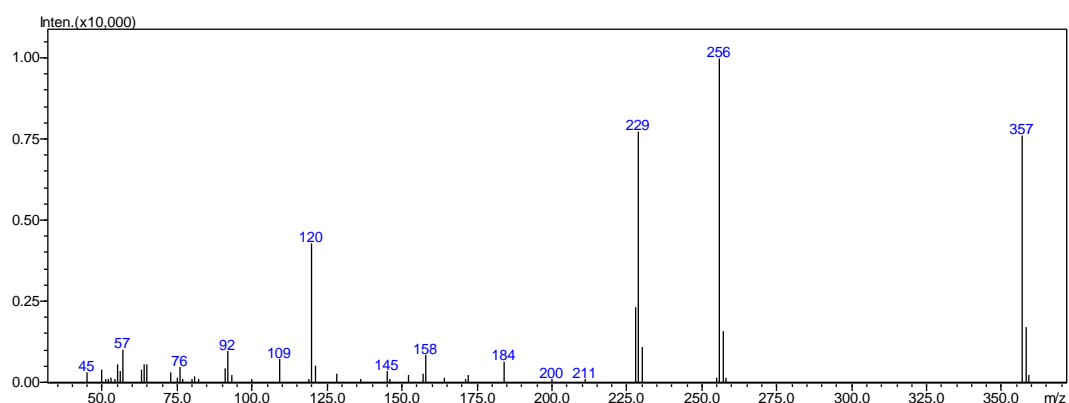
MW: 357

分子式: $C_{20}H_{20}FNO_4$

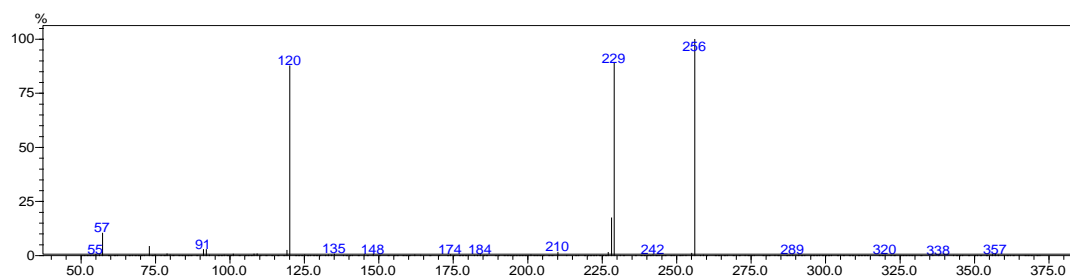
结构式:



Q3 scan



Product ion scan (m/z 357)



72. 氯氟氰菊酯

化合物信息

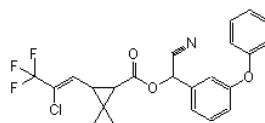
CAS#: 68085-85-8

英文名称: Cyhalothrin

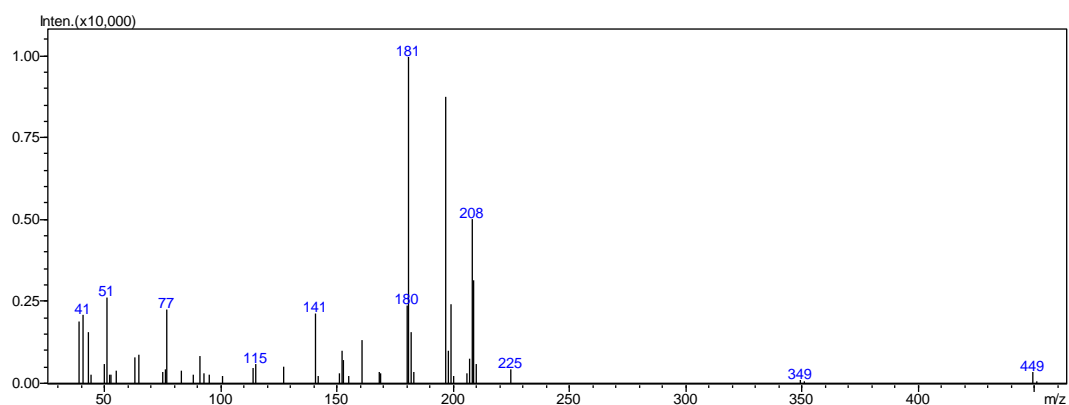
MW: 449

分子式: $C_{23}H_{19}ClF_3NO_3$

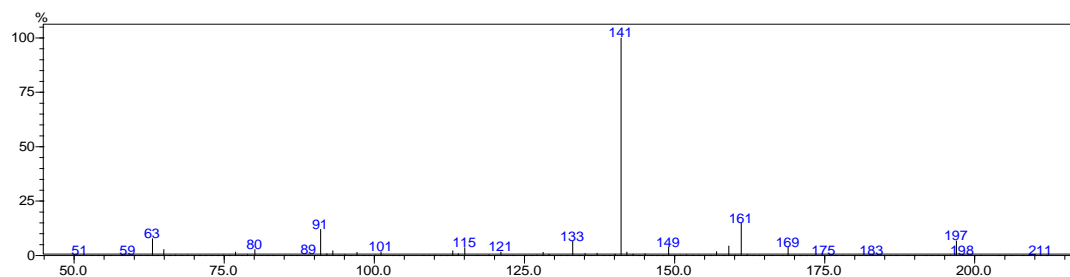
结构式:



Q3 scan



Product ion scan (m/z 197)



73. 氯氰菊酯

化合物信息

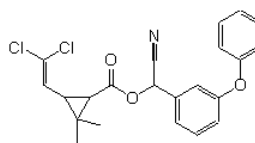
CAS#: 52315-07-8

英文名称: Cypermethrin

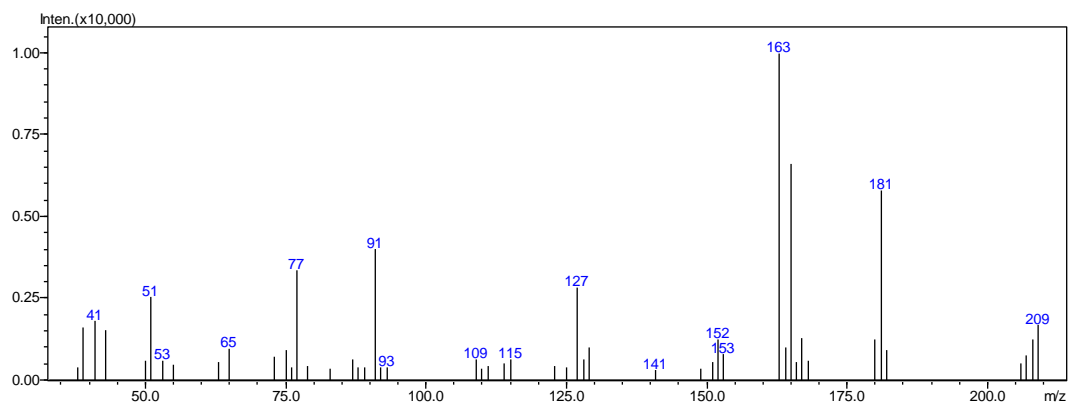
MW: 415

分子式: $C_{22}H_{19}Cl_2NO_3$

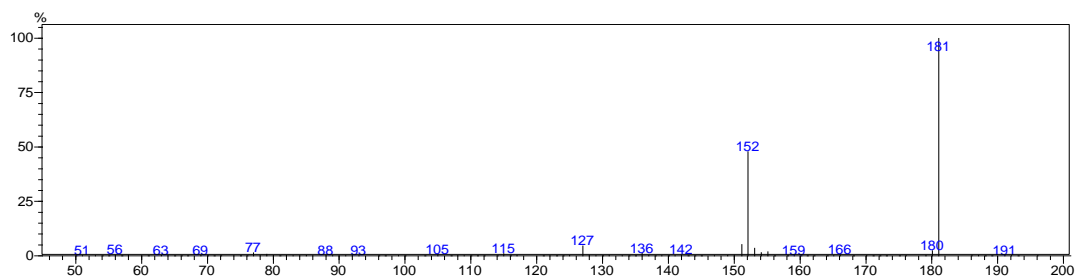
结构式:



Q3 scan



Product ion scan (m/z 181)



74. 环丙唑醇

化合物信息

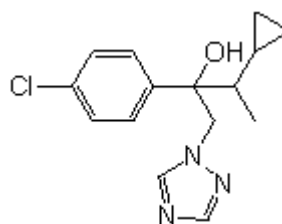
CAS#: 94361-06-5

英文名称: Cyproconazole

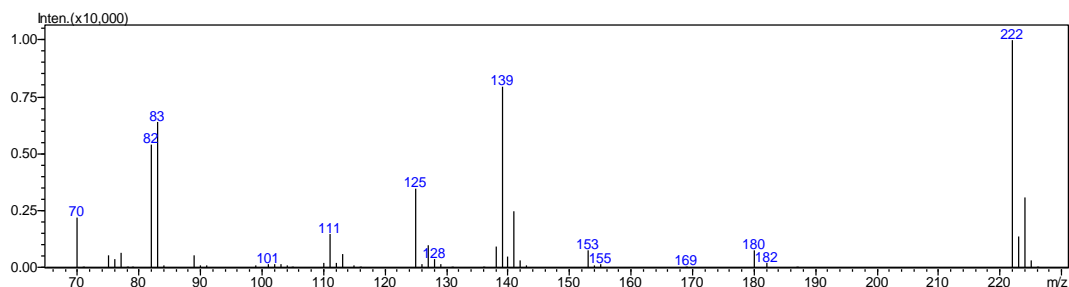
MW: 291

分子式: $C_{15}H_{18}ClN_3O$

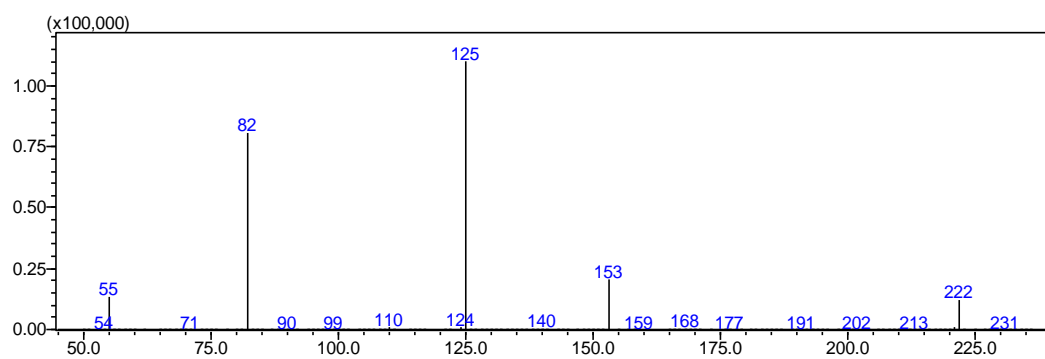
结构式:



Q3 scan



Product ion scan (m/z 222)



75. 嘧菌环胺

化合物信息

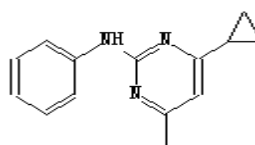
CAS#: 121552-61-2

英文名称: Cyprodinil

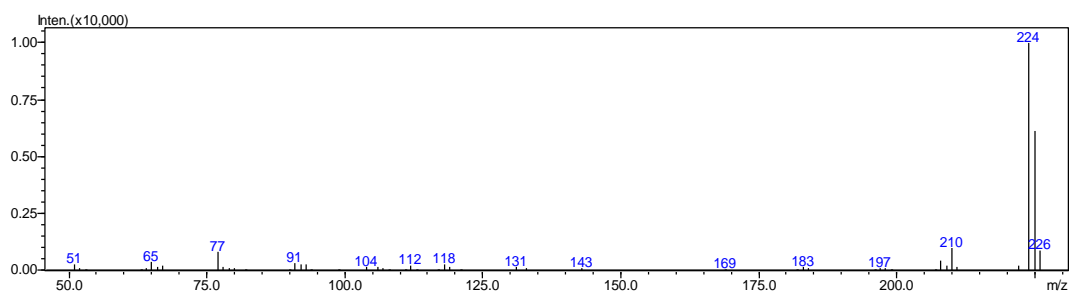
MW: 225

分子式: $C_{14}H_{15}N_3$

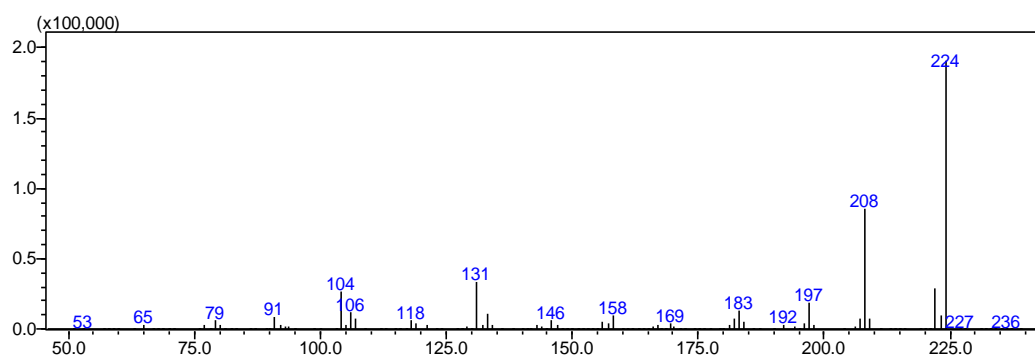
结构式:



Q3 scan



Product ion scan (m/z 224)



76. 二氯异丙醚

化合物信息

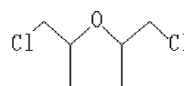
CAS#: 108-60-1

英文名称: DCIP

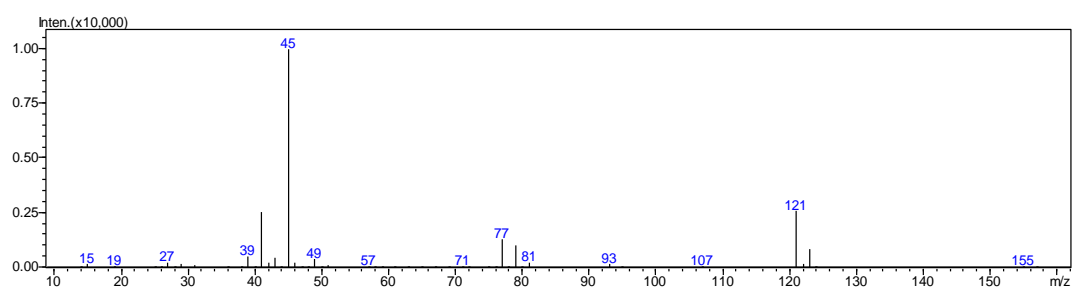
MW: 170

分子式: $C_6H_{12}Cl_2O$

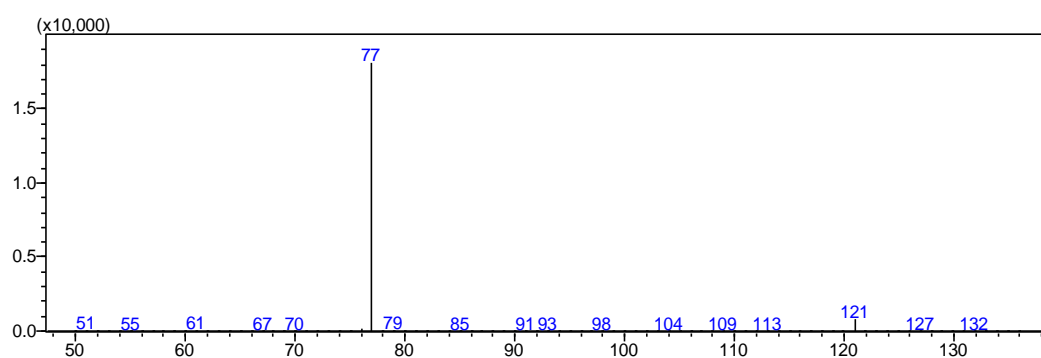
结构式:



Q3 scan



Product ion scan (m/z 121)



77. δ-六六六

化合物信息

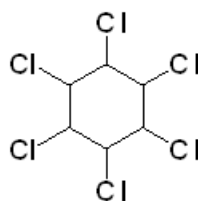
CAS#: 319-86-8

英文名称: delta-BHC

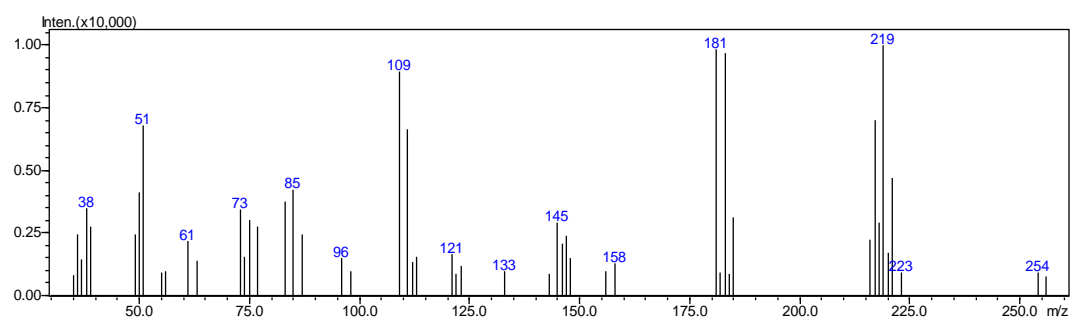
MW: 288

分子式: C₆H₆Cl₆

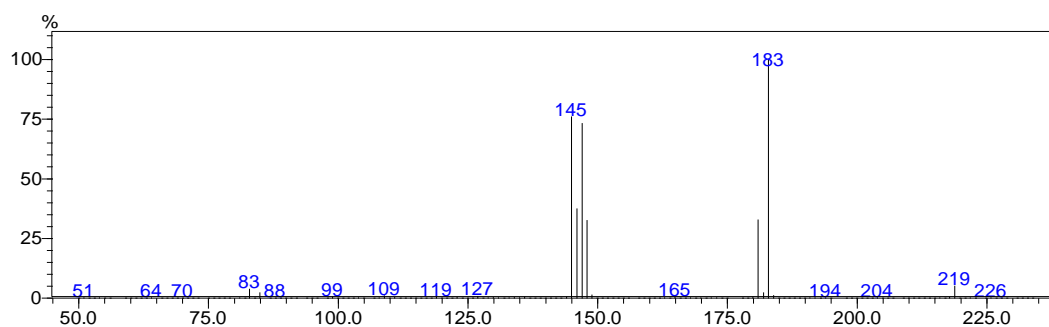
结构式:



Q3 scan



Product ion scan (m/z 219)



78. 溴氰菊酯

化合物信息

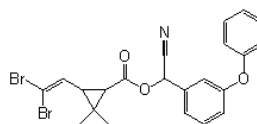
CAS#: 52918-63-5

英文名称: Deltamethrin

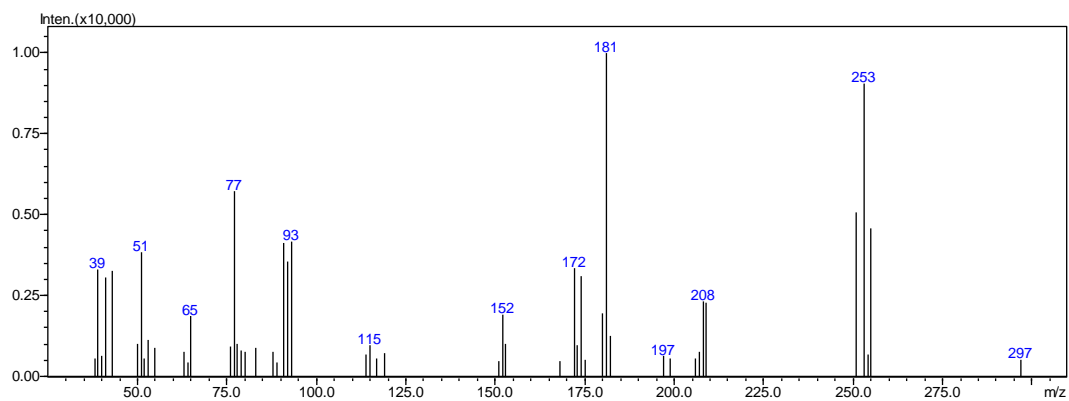
MW: 503

分子式: $C_{22}H_{19}Br_2NO_3$

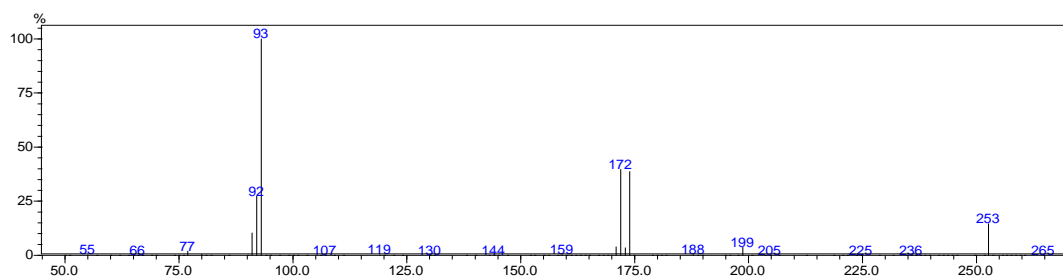
结构式:



Q3 scan



Product ion scan (m/z 253)



79. 甜菜安

化合物信息

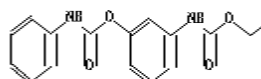
CAS#: 13684-56-5

英文名称: Desmedipham

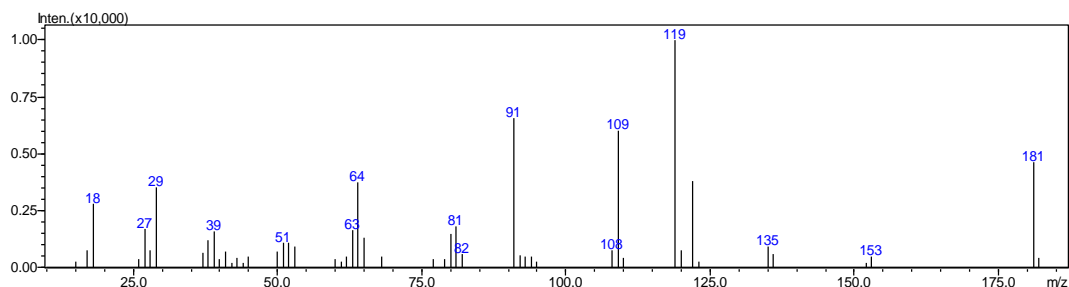
MW: 300

分子式: $C_{16}H_{16}N_2O_4$

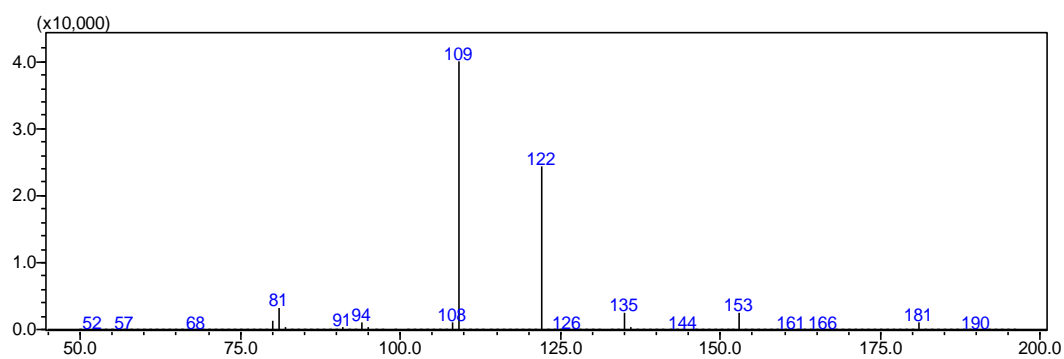
结构式:



Q3 scan



Product ion scan (m/z 181)



80. 燕麦敌

化合物信息

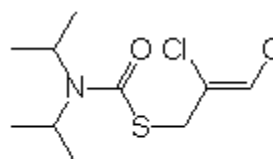
CAS#: 2303-16-4

英文名称: Di-allate

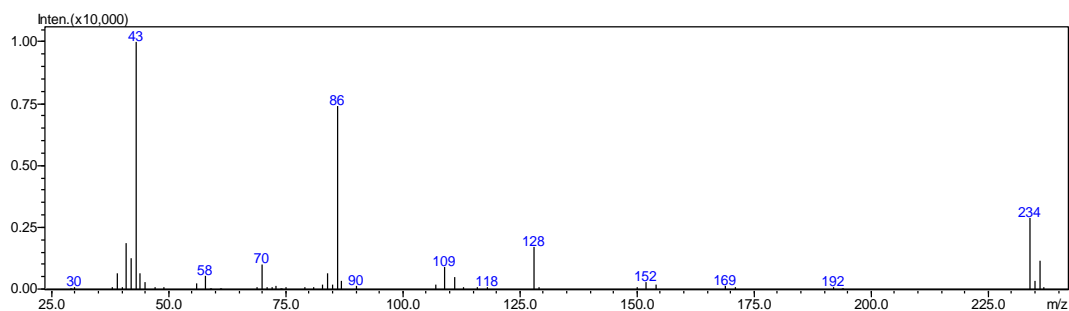
MW: 269

分子式: $C_{10}H_{17}Cl_2NOS$

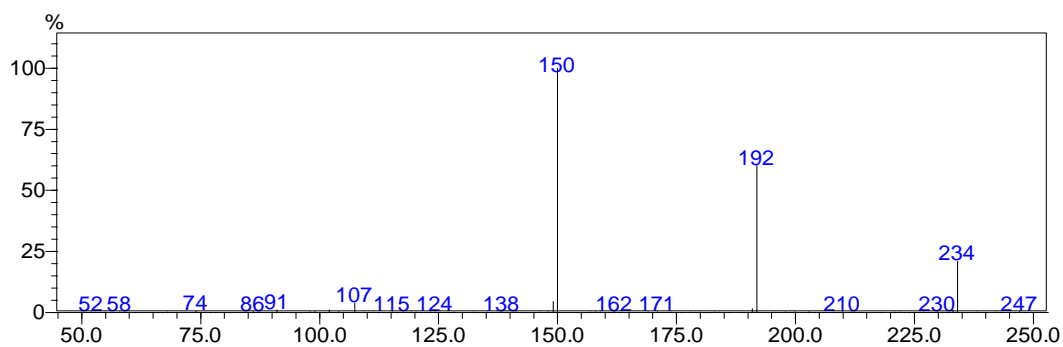
结构式:



Q3 scan



Product ion scan (m/z 234)



81. 二嗪磷

化合物信息

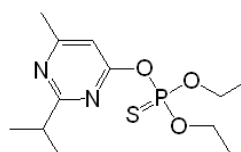
CAS#: 333-41-5

英文名称: Diazinon

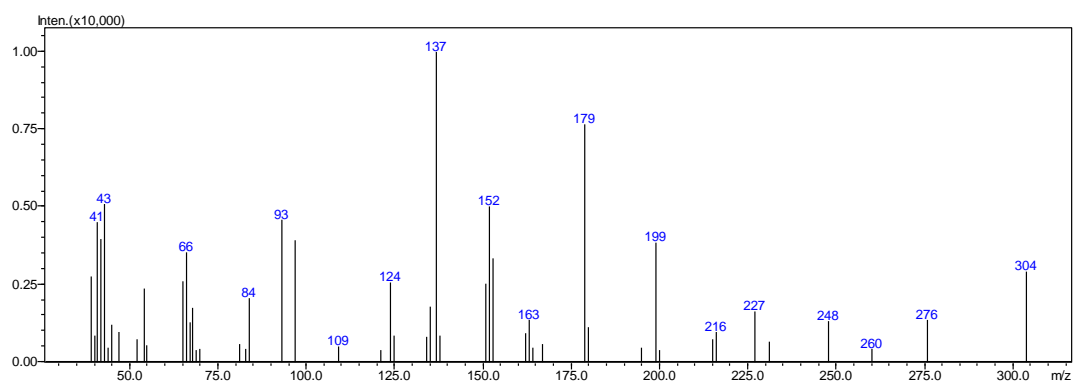
MW: 304

分子式: $C_{12}H_{21}N_2O_3PS$

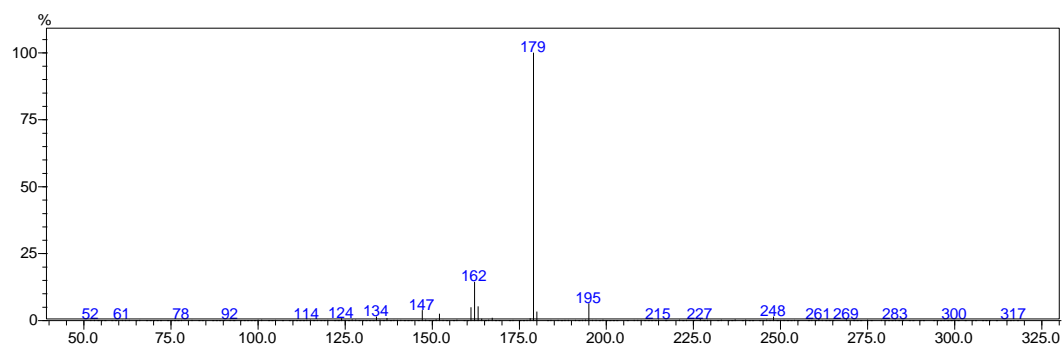
结构式:



Q3 scan



Product ion scan (m/z 304)



82. 敌草腈

化合物信息

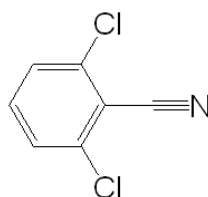
CAS#: 1194-65-6

英文名称: Dichlobenil

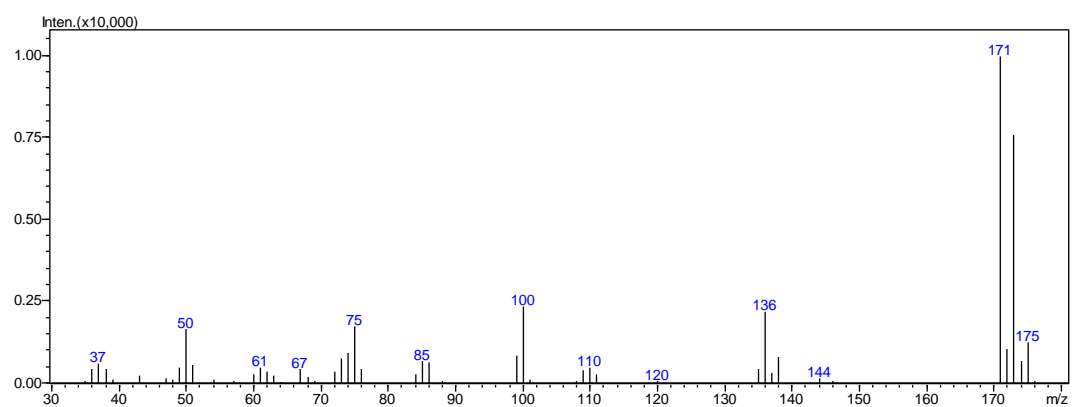
MW: 171

分子式: $C_7H_3Cl_2N$

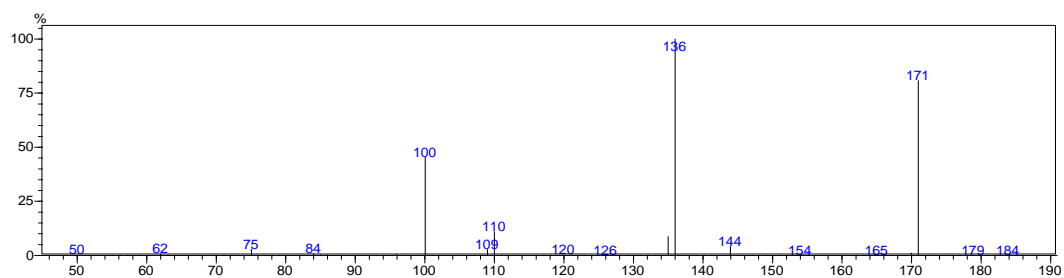
结构式:



Q3 scan



Product ion scan (m/z 171)



83. 除线磷

化合物信息

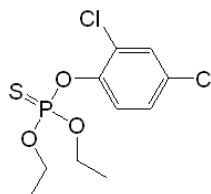
CAS#: 97-17-6

英文名称: Dichlofenthion

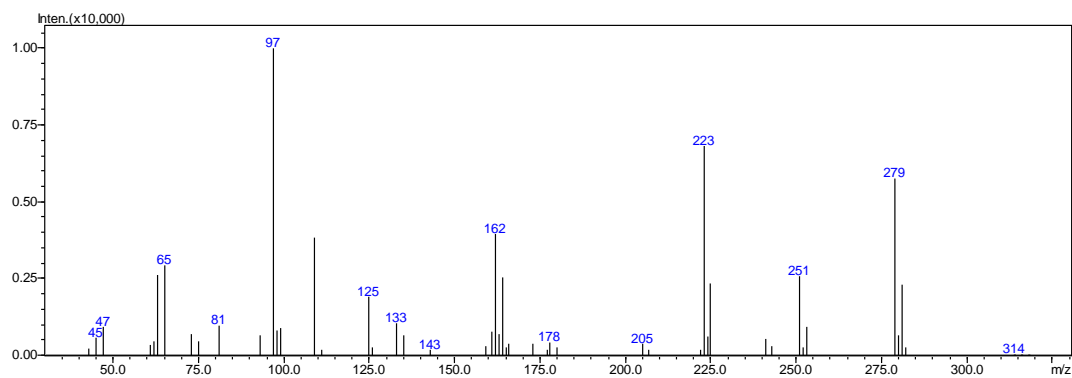
MW: 314

分子式: $C_{10}H_{13}Cl_2O_3PS$

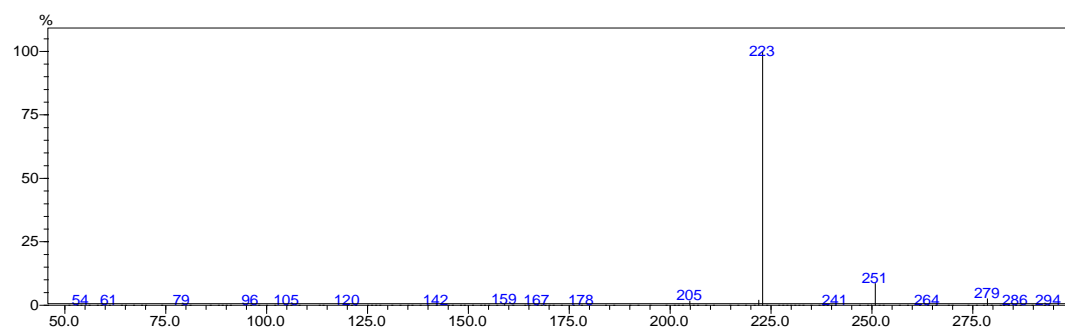
结构式:



Q3 scan



Product ion scan (m/z 279)



84. 苯氟磺胺

化合物信息

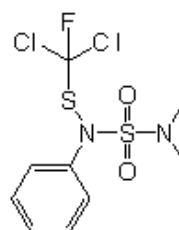
CAS#: 1085-98-9

英文名称: Dichlofluanid

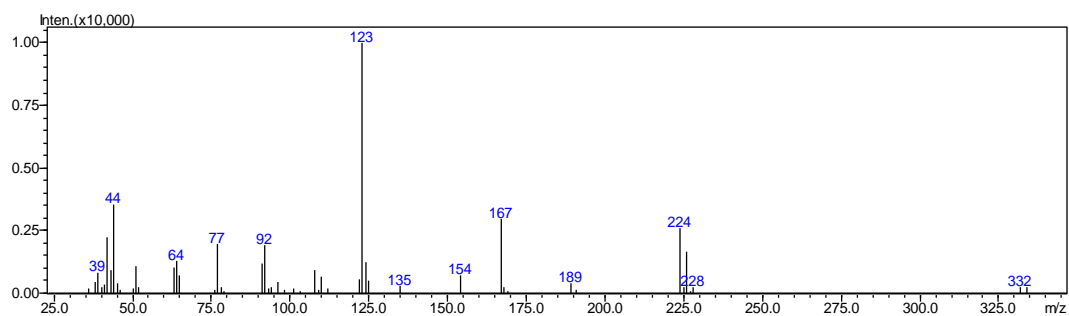
MW: 332

分子式: $C_9H_{11}Cl_2FN_2O_2S_2$

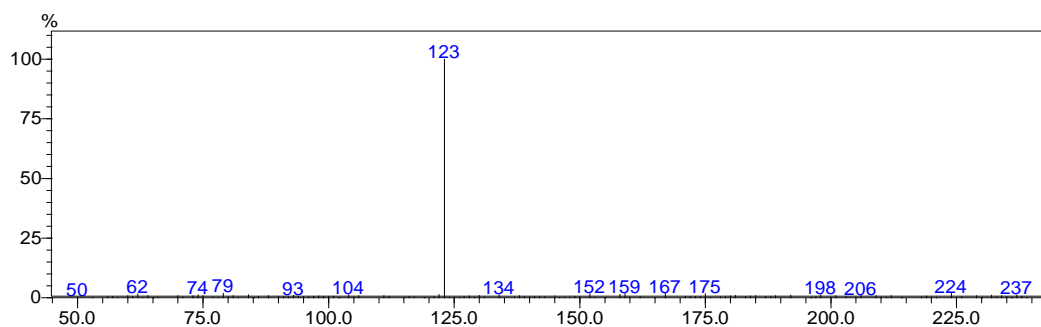
结构式:



Q3 scan



Product ion scan (m/z 224)



85. 苯氟磺胺代谢物

化合物信息

结构式:

CAS#:

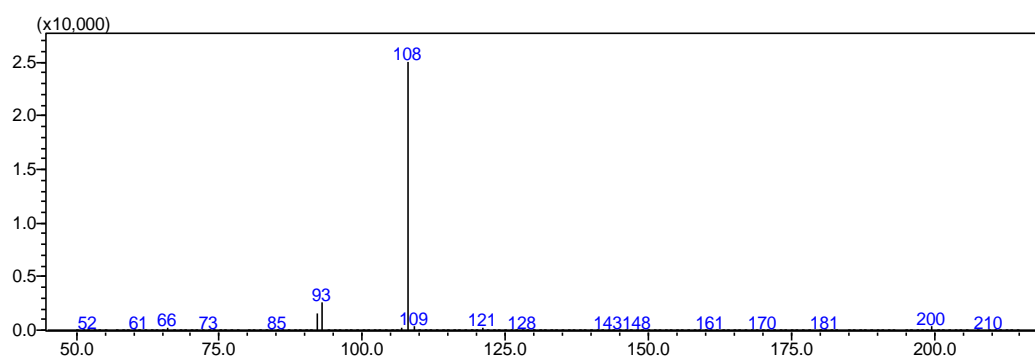
英文名称: Dichlofluanid metabolite

MW:

分子式:

Q3 scan

Product ion scan (m/z 200)



86. 乙滴涕

化合物信息

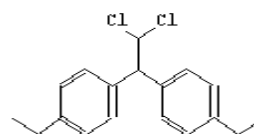
结构式:

CAS#:72-56-0

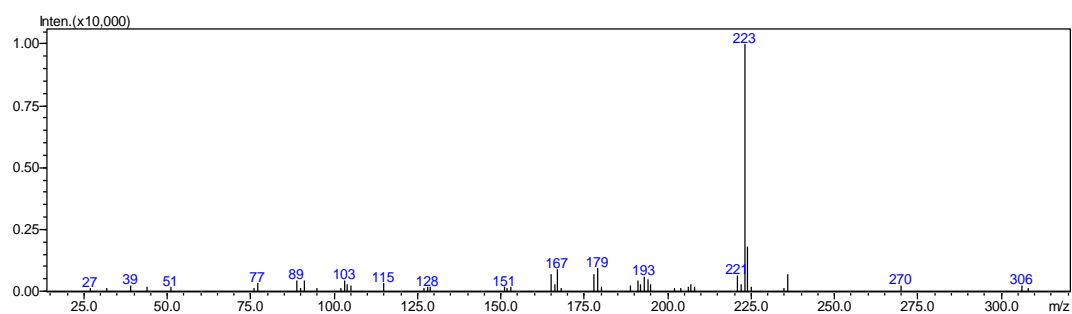
英文名称: 1,1-dichloro-2,2-bis(p-ethylphenyl)-ethane

MW: 306

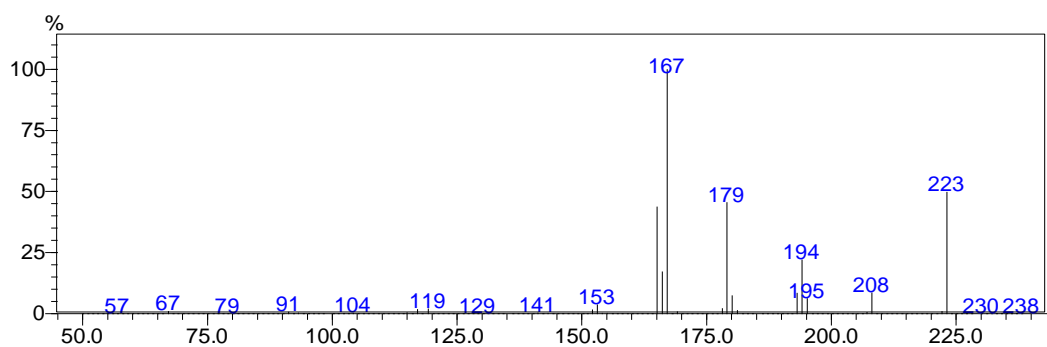
分子式: $C_{18}H_{20}Cl_2$



Q3 scan



Product ion scan (m/z 233)



87. 敌敌畏

化合物信息

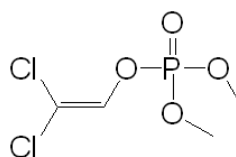
CAS#: 62-73-7

英文名称: Dichlorvos

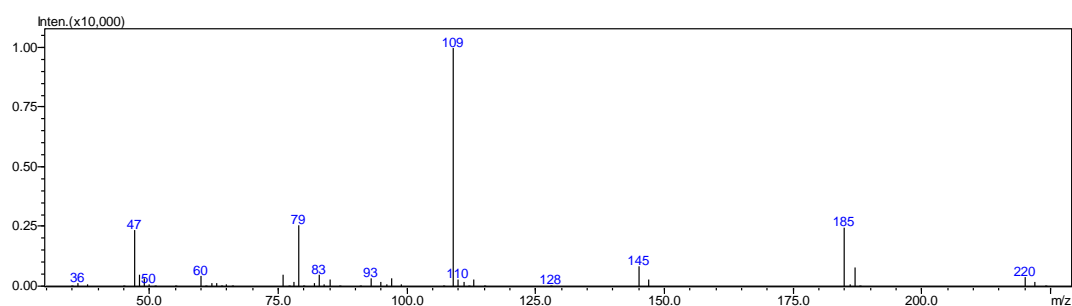
MW: 220

分子式: $C_4H_7Cl_2O_4P$

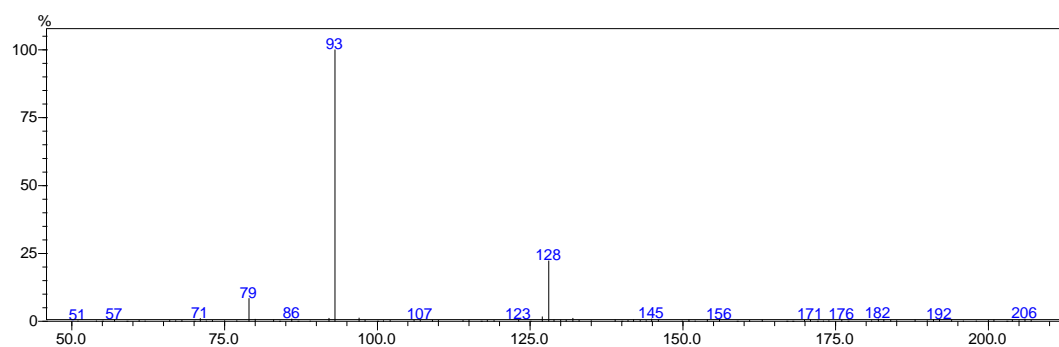
结构式:



Q3 scan



Product ion scan (m/z 185)



88. 苯氯三唑醇

化合物信息

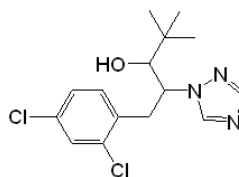
CAS#: 75736-33-3

英文名称: Dichlobutrazol

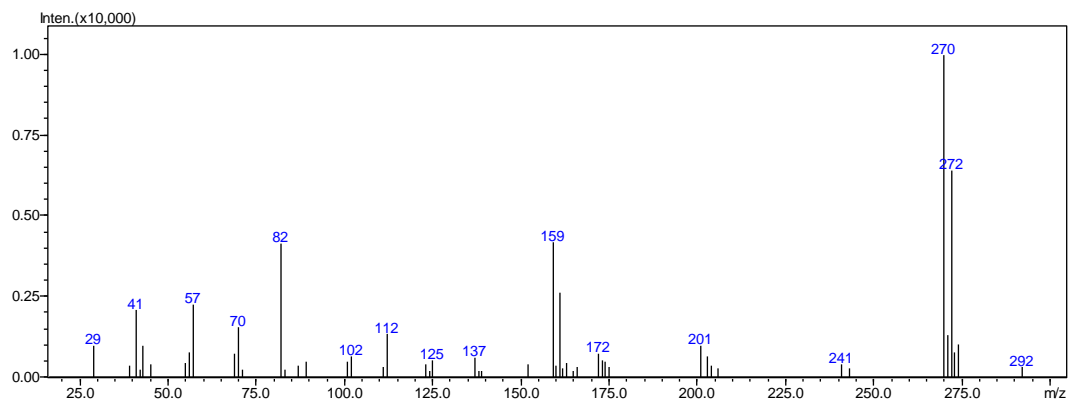
MW: 327

分子式: $C_{15}H_{19}Cl_2N_3O$

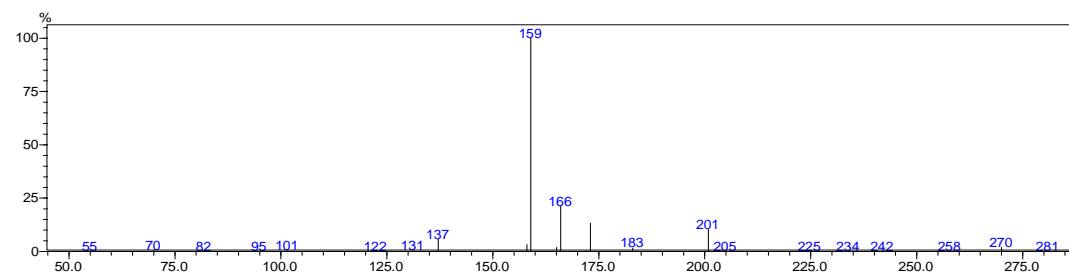
结构式:



Q3 scan



Product ion scan (m/z 270)



89. 双氯氰菌胺

化合物信息

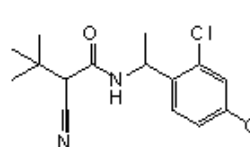
CAS#: 139920-32-4

英文名称: Diclocymet

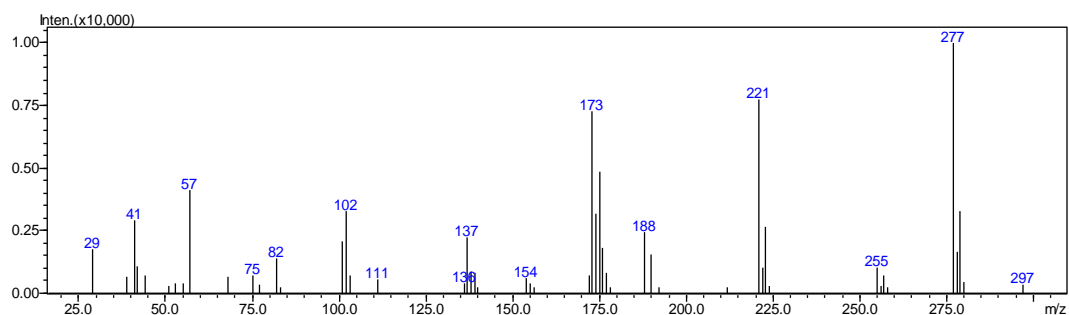
MW: 312

分子式: $C_{15}H_{18}Cl_2N_2O$

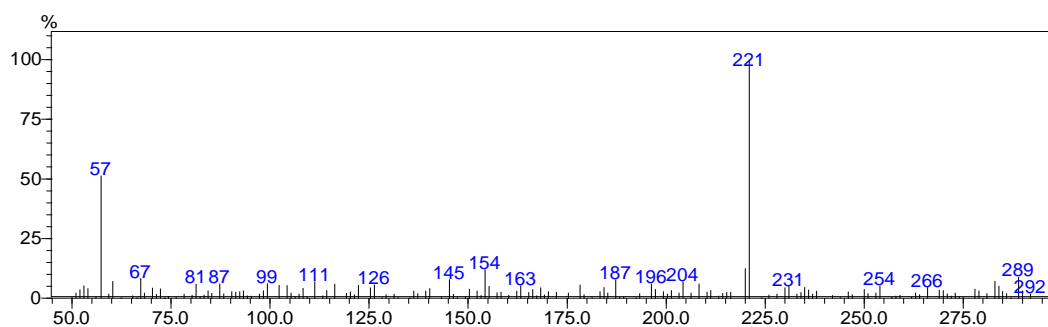
结构式:



Q3 scan



Product ion scan (m/z 277)

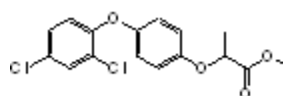


90. 禾草灵甲酯

化合物信息

结构式:

CAS#:51338-27-3

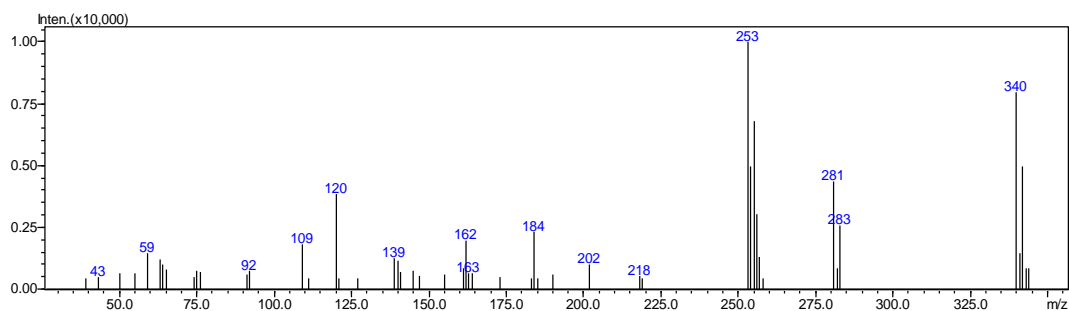


英文名称: Diclofop-methyl

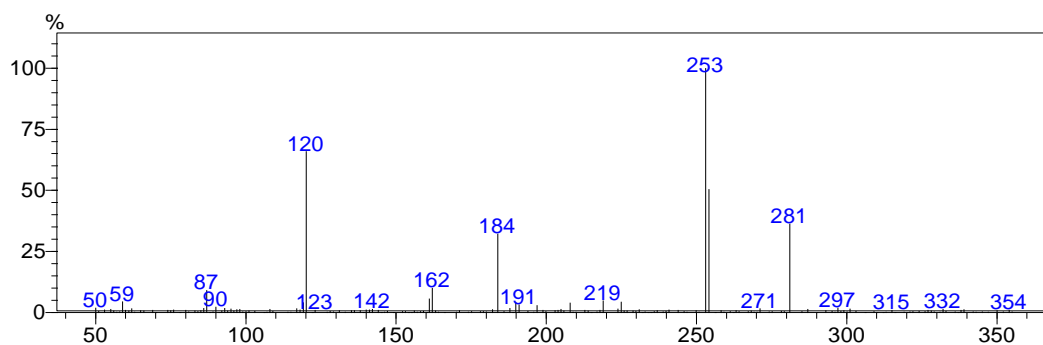
MW: 340

分子式: $C_{16}H_{14}Cl_2O_4$

Q3 scan



Product ion scan (m/z 340)

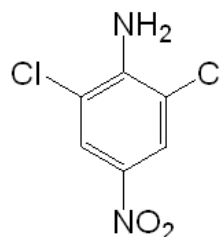


91. 氯硝胺

化合物信息

结构式:

CAS#: 99-30-9

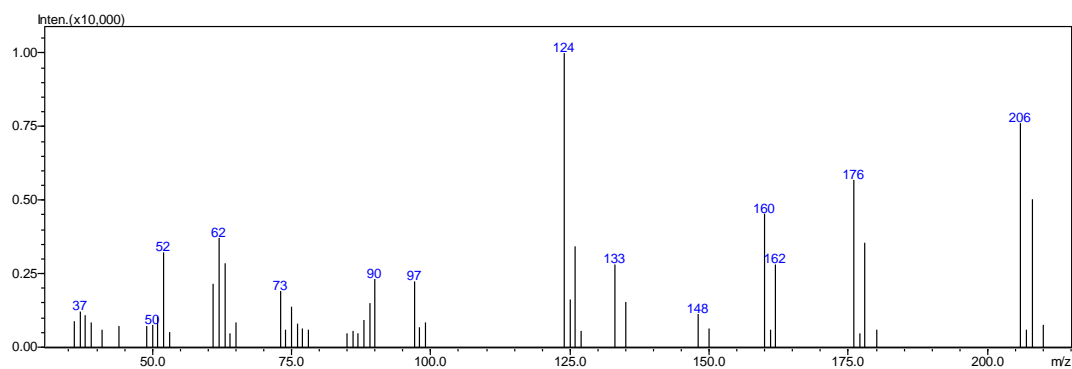


英文名称: Dicloran

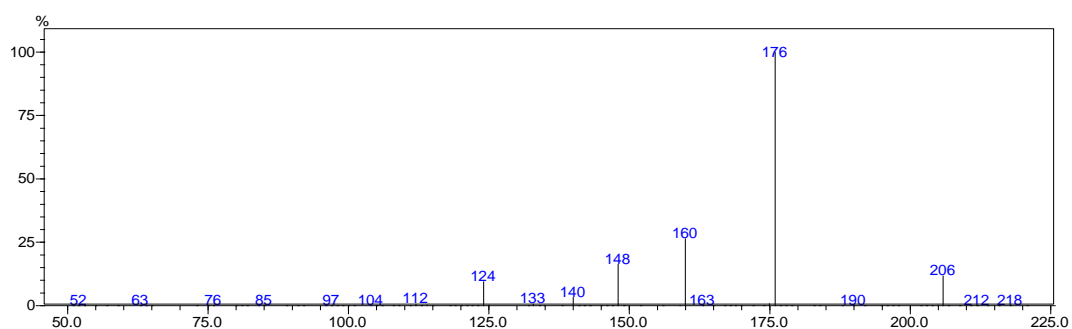
MW: 206

分子式: $C_6H_4Cl_2N_2O_2$

Q3 scan



Product ion scan (m/z 206)



92. 三氯杀螨醇

化合物信息

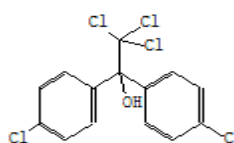
CAS#: 115-32-2

英文名称: Dicofol

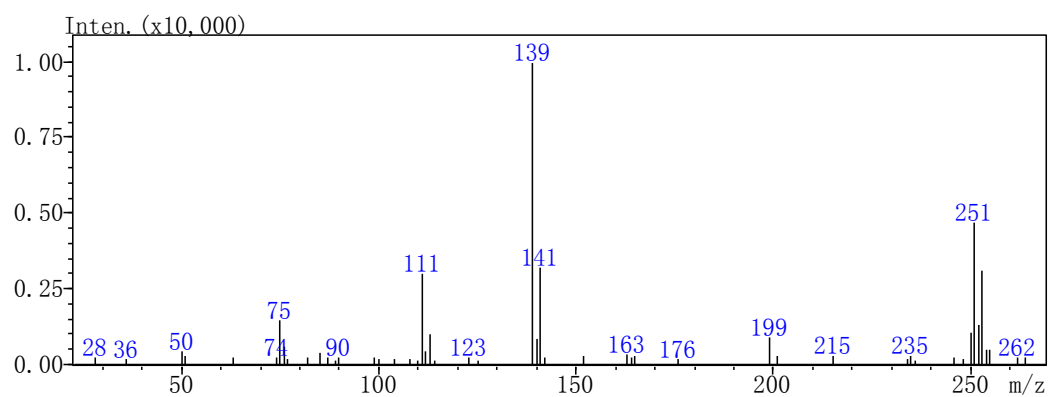
MW: 368

分子式: $C_{14}H_9Cl_5O$

结构式:



Q3 scan



93. 百治磷

化合物信息

CAS#: 141-66-2

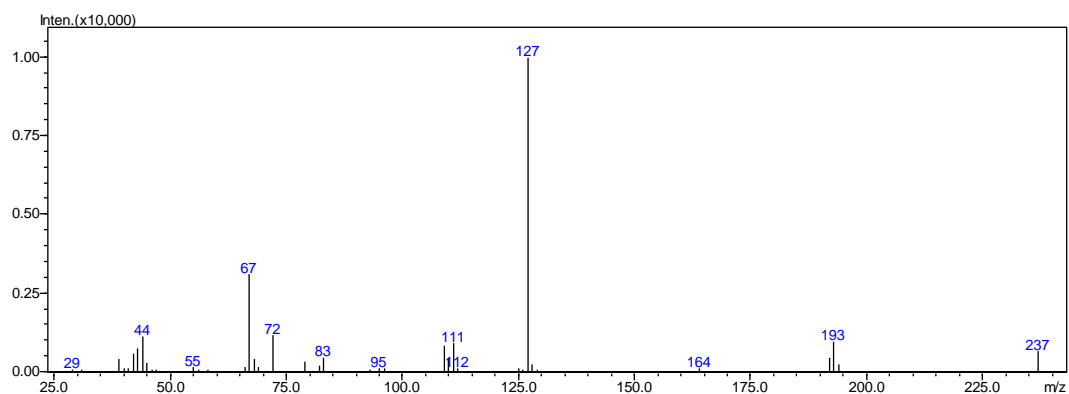
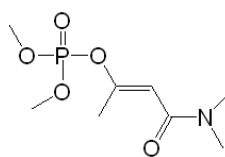
英文名称: Dicrotophos

MW: 237

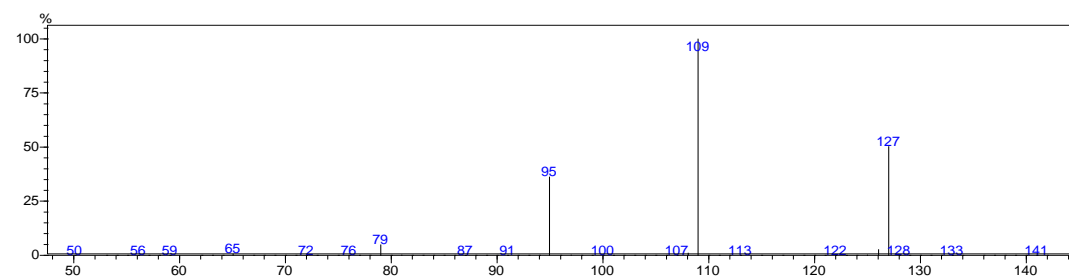
分子式: $C_8H_{16}NO_5P$

Q3 scan

结构式:



Product ion scan (m/z 127)



94. 乙霉威

化合物信息

CAS#: 87130-20-9

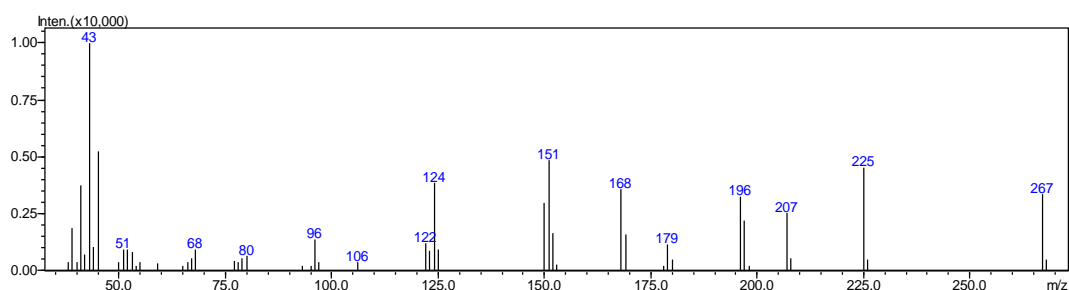
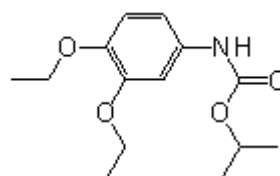
英文名称: Diethofencarb

MW: 267

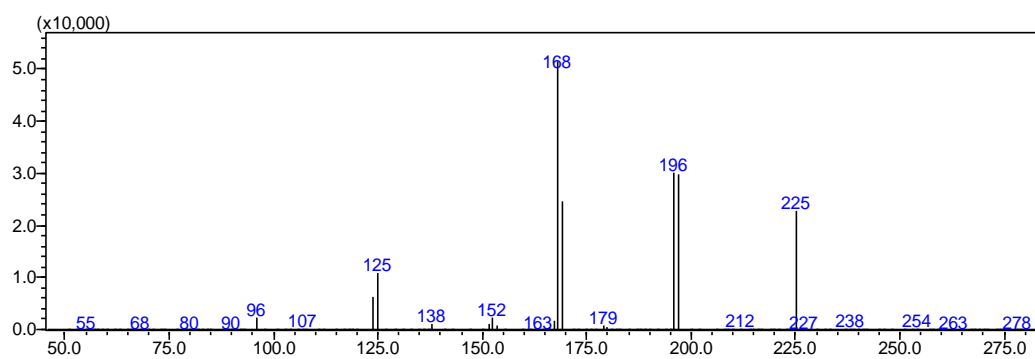
分子式: $C_{14}H_{21}NO_4$

Q3 scan

结构式:



Product ion scan (m/z 267)



95. 恶醚唑

化合物信息

CAS#: 119446-68-3

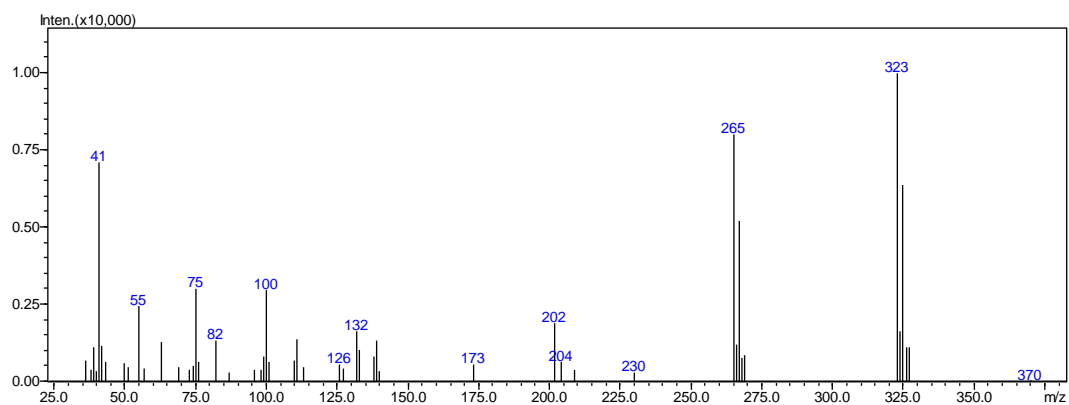
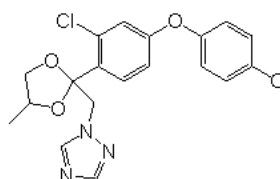
英文名称: Difenconazole

MW: 405

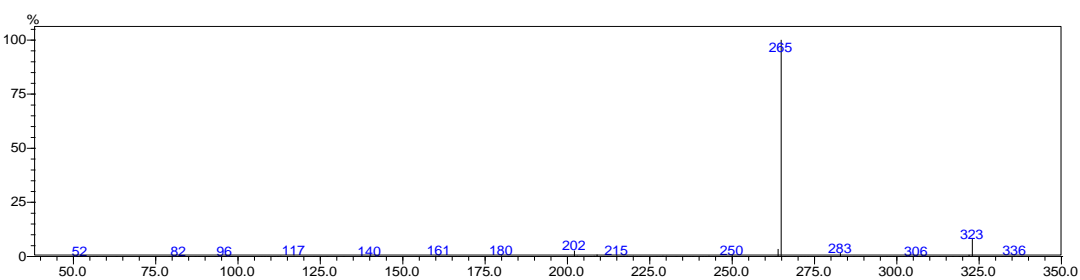
分子式: $C_{19}H_{17}Cl_2N_3O_3$

Q3 scan

结构式:



Product ion scan (m/z 323)



96. 吡氟酰草胺

化合物信息

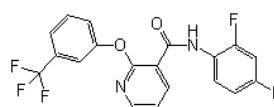
CAS#: 83164-33-4

英文名称: Diflufenican

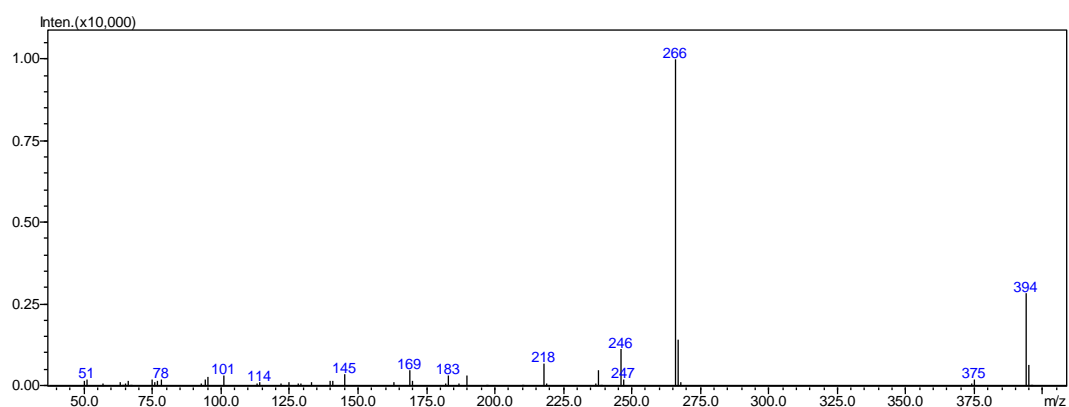
MW: 394

分子式: $C_{19}H_{11}F_5N_2O_2$

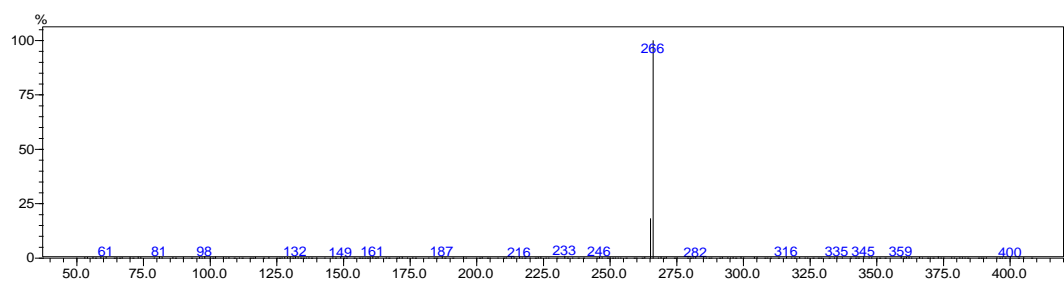
结构式:



Q3 scan



Product ion scan (m/z 394)



97. 哌草丹

化合物信息

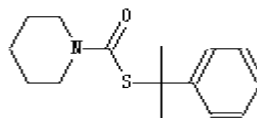
CAS#: 61432-55-1

英文名称: Dimepiperate

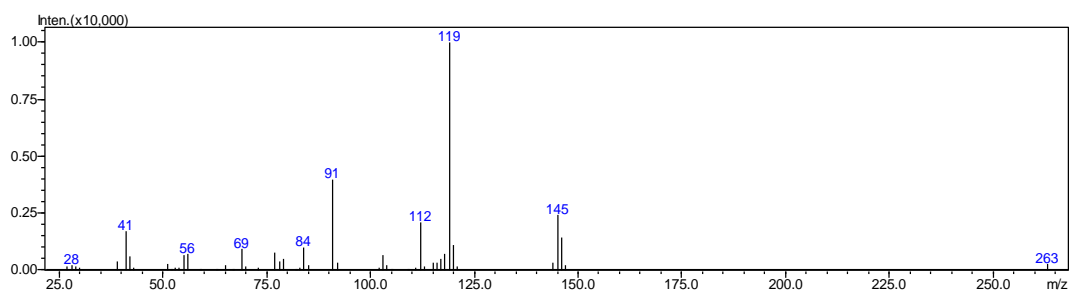
MW: 263

分子式: C₁₅H₂₁NOS

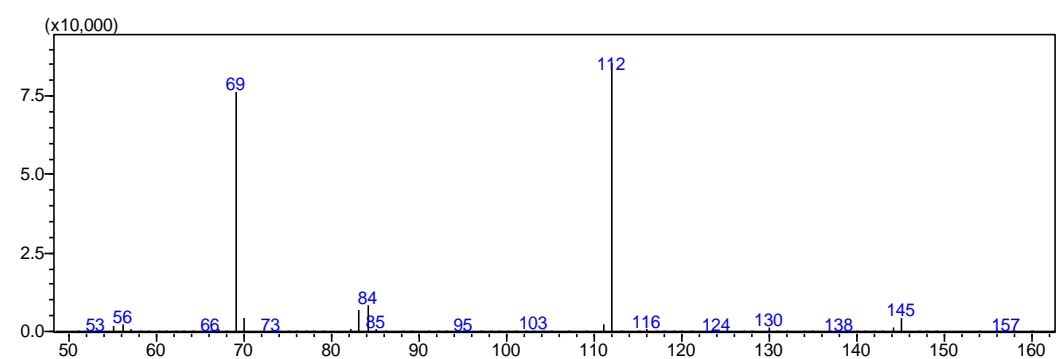
结构式:



Q3 scan



Product ion scan (m/z 145)



98. 异戊乙净

化合物信息

CAS#: 22936-75-0

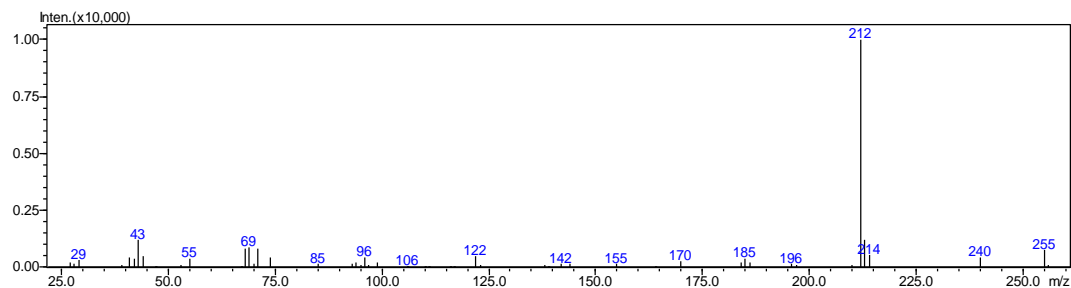
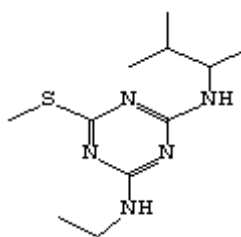
英文名称: Dimethametryn

MW: 255

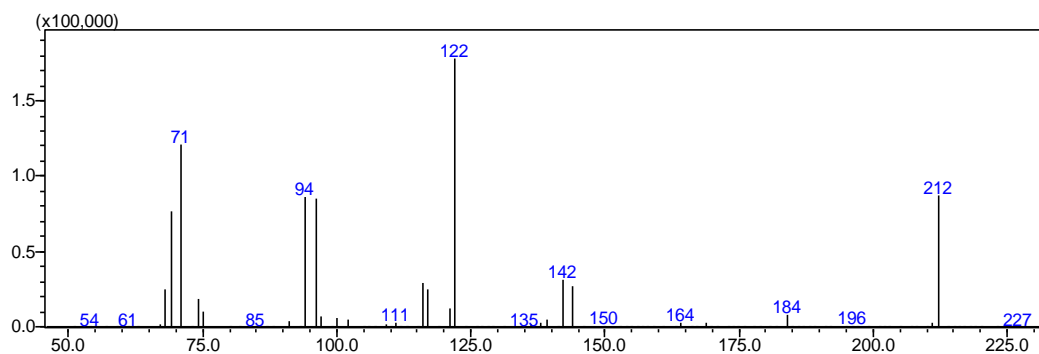
分子式: $C_{11}H_{21}N_5S$

Q3 scan

结构式:



Product ion scan (m/z 212)



99. 二甲酚噻草胺

化合物信息

CAS#: 87674-68-8

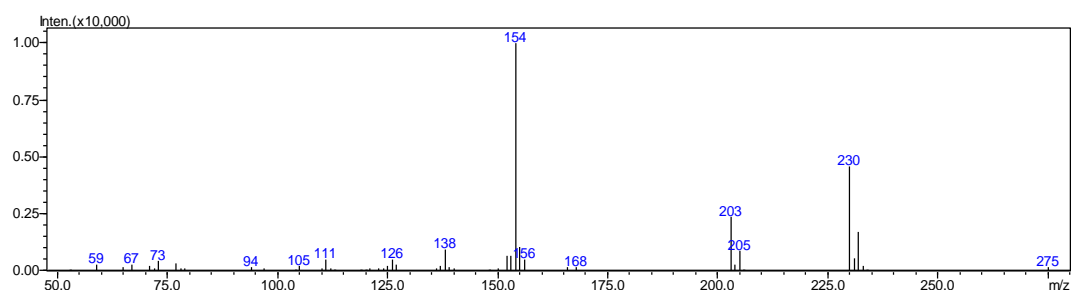
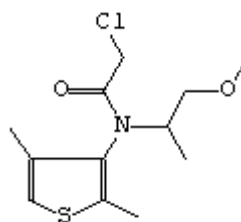
英文名称: Dimethenamid

MW: 275

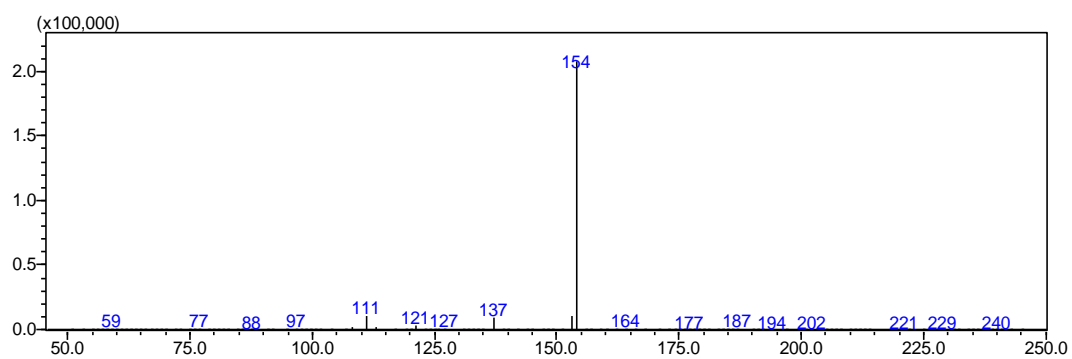
分子式: $C_{12}H_{18}ClNO_2S$

Q3 scan

结构式:



Product ion scan (m/z 230)



100. 噻节因

化合物信息

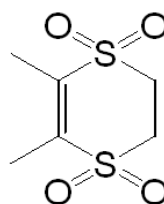
CAS#: 55290-64-7

英文名称: Dimethipin

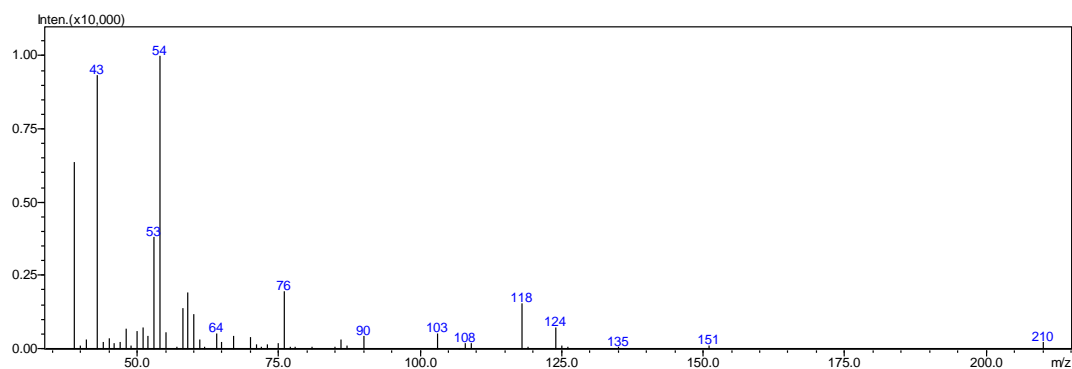
MW: 210

分子式: $C_6H_{10}O_4S_2$

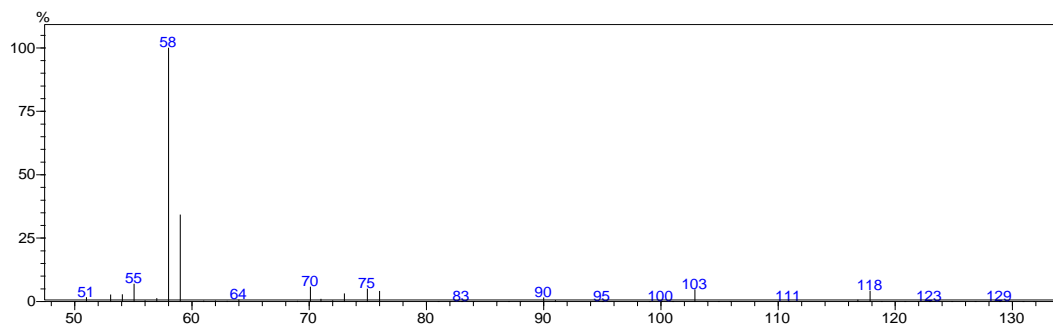
结构式:



Q3 scan



Product ion scan (m/z 118)



101. 乐果

化合物信息

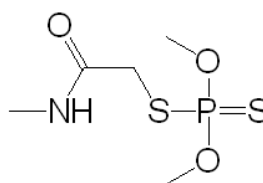
CAS#: 60-51-5

英文名称: Dimethoate

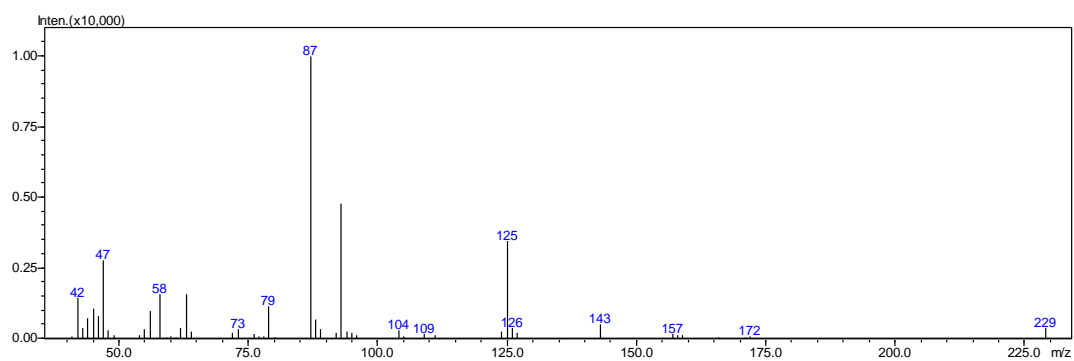
MW: 229

分子式: $C_5H_{12}NO_3PS_2$

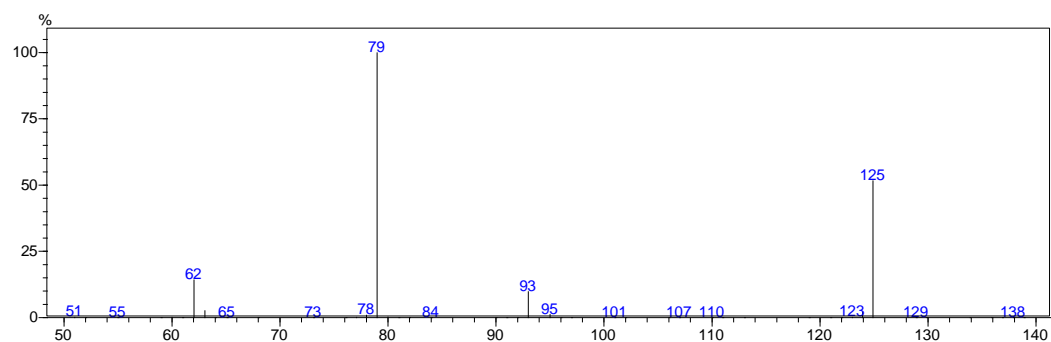
结构式:



Q3 scan



Product ion scan (m/z 125)



102. (E)-甲基毒虫畏

化合物信息

CAS#: 71363-52-5

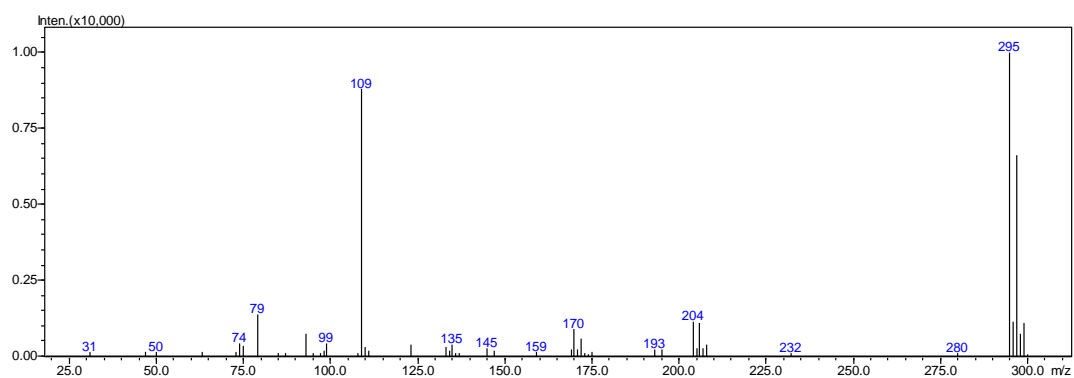
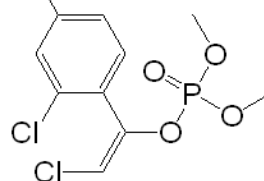
英文名称: (E)-Dimethylvinphos

MW: 330

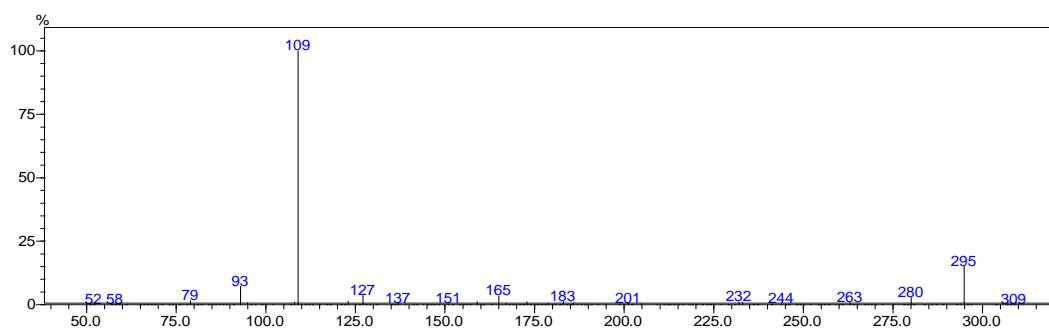
分子式: $C_{10}H_{10}Cl_3O_4P$

Q3 scan

结构式:



Product ion scan (m/z 295)



103. (Z)-甲基毒虫畏

化合物信息

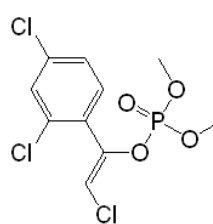
CAS#: 67628-93-7

英文名称: (Z)-Dimethylvinphos

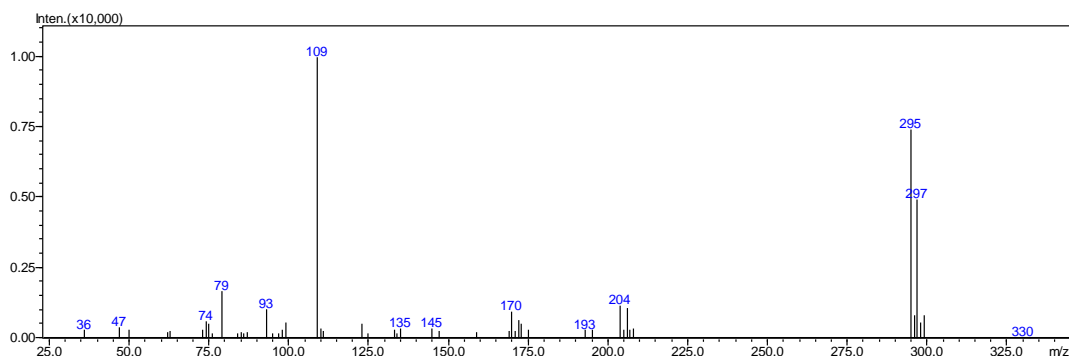
MW: 330

分子式: $C_{10}H_{10}Cl_3O_4P$

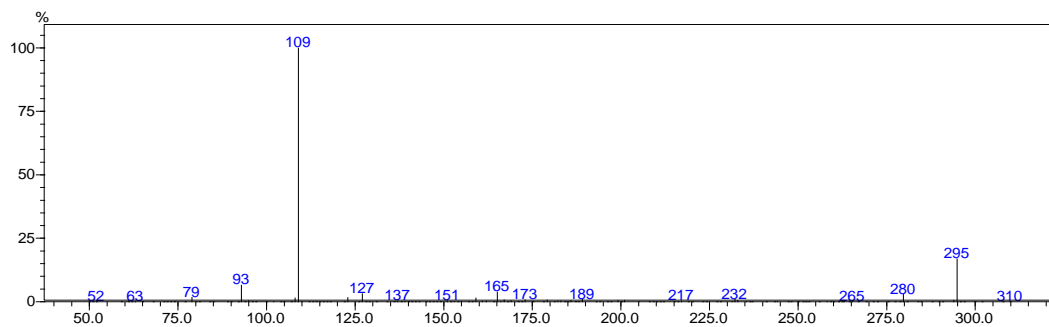
结构式:



Q3 scan



Product ion scan (m/z 295)



104. 草乃敌

化合物信息

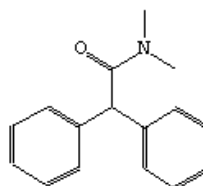
CAS#: 957-51-7

英文名称: Diphenamid

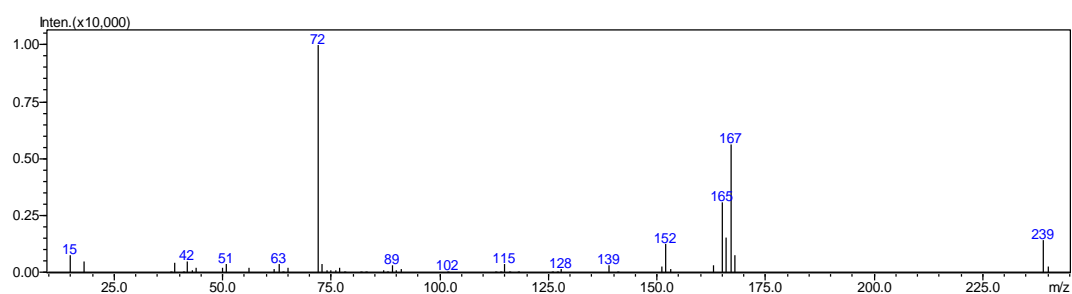
MW: 239

分子式: $C_{16}H_{17}NO$

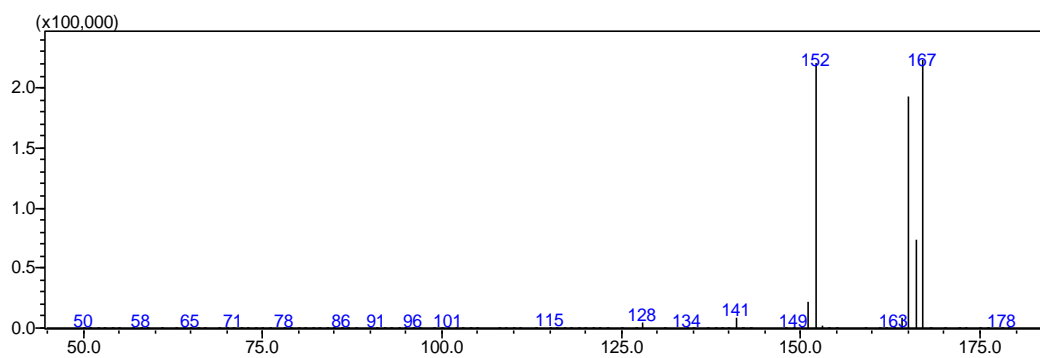
结构式:



Q3 scan



Product ion scan (m/z 167)



105. 二苯胺

化合物信息

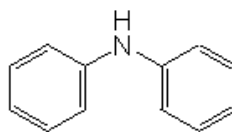
CAS#: 122-39-4

英文名称: Diphenylamine

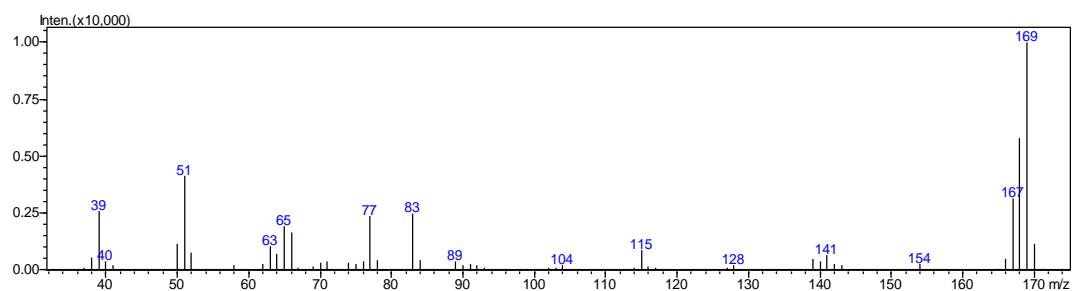
MW: 169

分子式: C₁₂H₁₁N

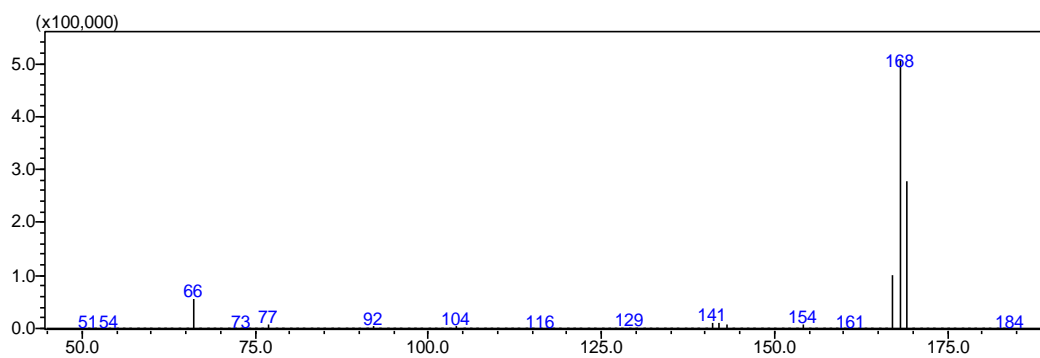
结构式:



Q3 scan



Product ion scan (m/z 169)



106. 乙拌磷

化合物信息

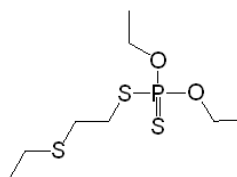
CAS#: 298-04-4

英文名称: Disulfoton

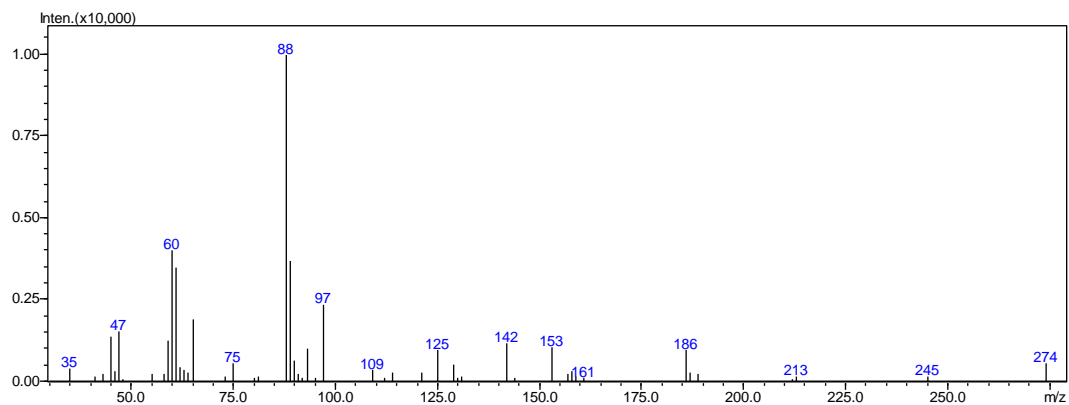
MW: 274

分子式: $C_8H_{19}O_2PS_3$

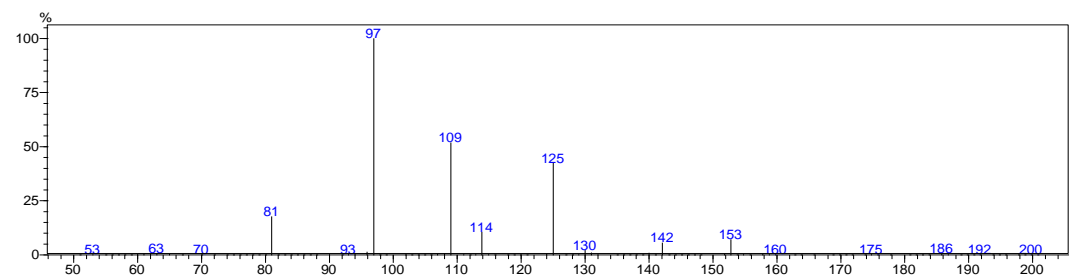
结构式:



Q3 scan



Product ion scan (m/z 186)



107. 乙拌磷砒

化合物信息

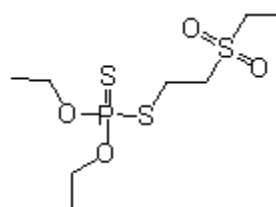
CAS#: 2497-06-5

英文名称: Disulfoton sulfone

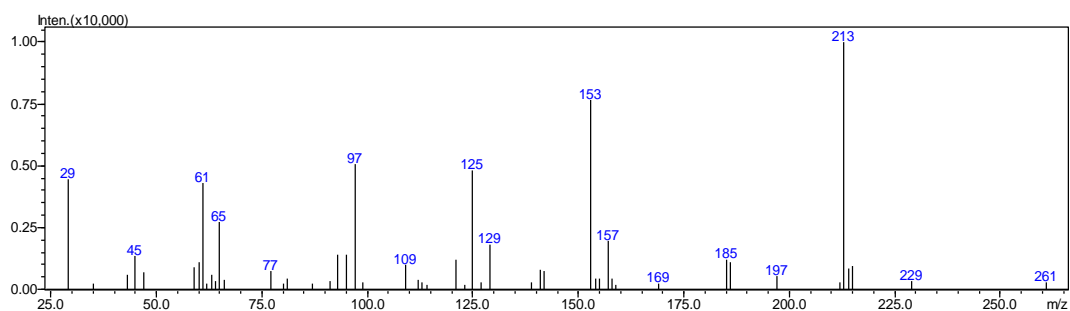
MW: 306

分子式: $C_8H_{19}O_4PS_3$

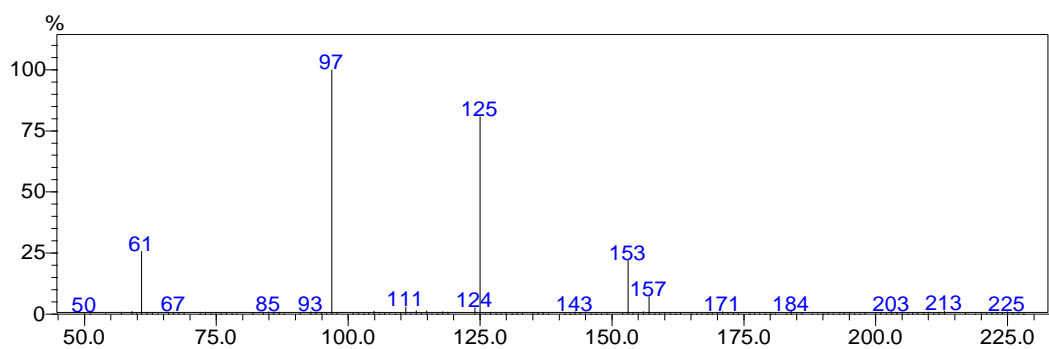
结构式:



Q3 scan



Product ion scan (m/z 213)



108. 氟硫草定

化合物信息

CAS#: 97886-45-8

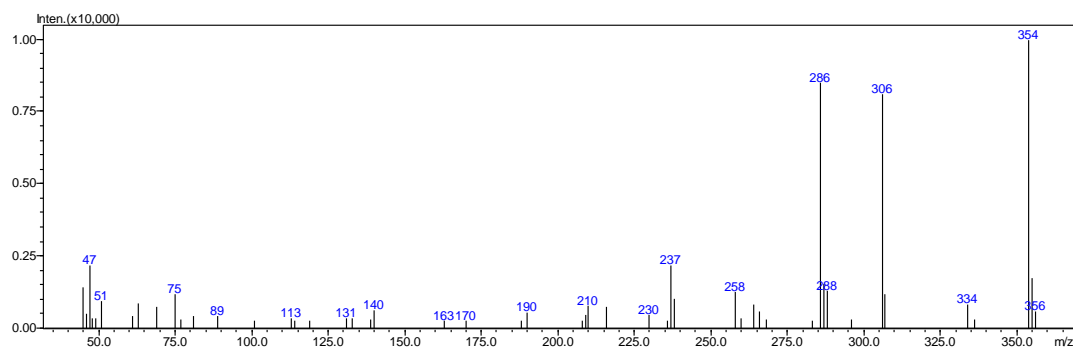
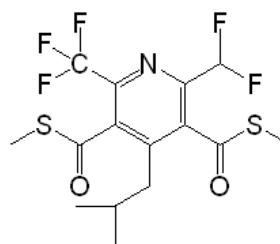
英文名称: Dithiopyr

MW: 401

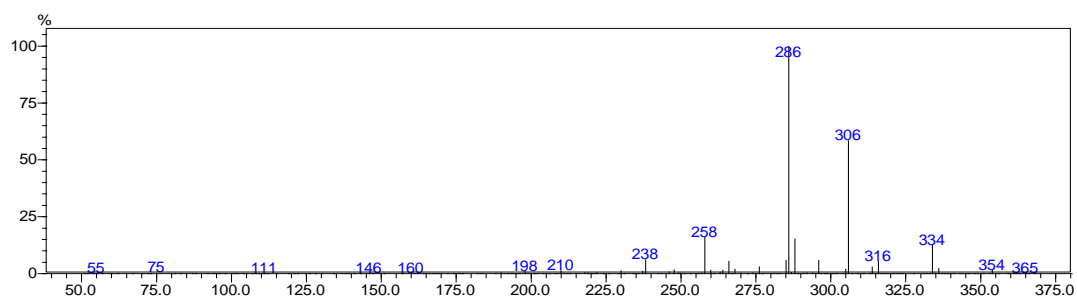
分子式: $C_{15}H_{16}F_3NO_2S_2$

Q3 scan

结构式:



Product ion scan (m/z 354)



109. 敌瘟磷

化合物信息

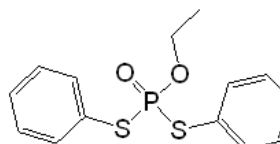
CAS#: 17109-49-8

英文名称: Edifenphos

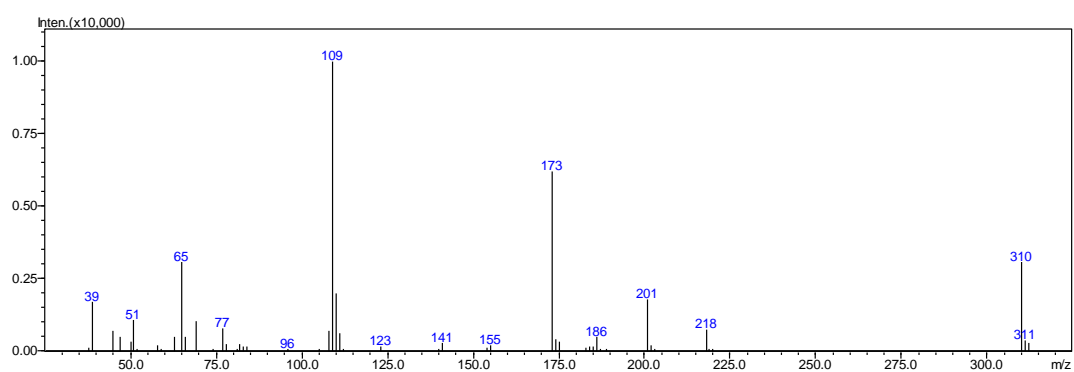
MW: 310

分子式: $C_{14}H_{15}O_2PS_2$

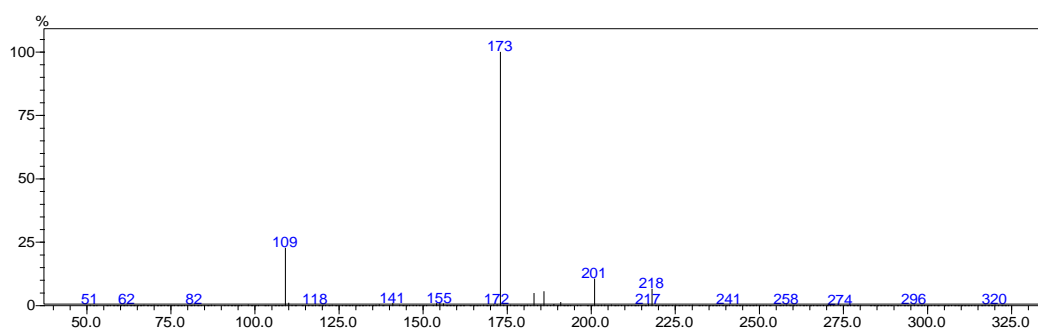
结构式:



Q3 scan



Product ion scan (m/z 310)



110. 硫丹硫酸酯

化合物信息

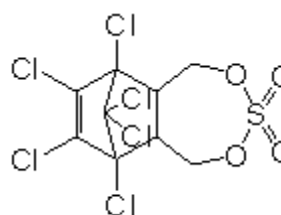
结构式:

CAS#:1031-07-8

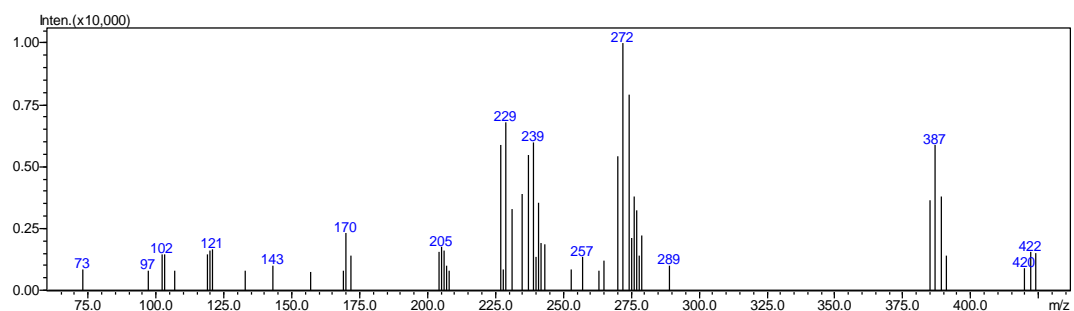
英文名称: Endosulfan sulfate

MW: 420

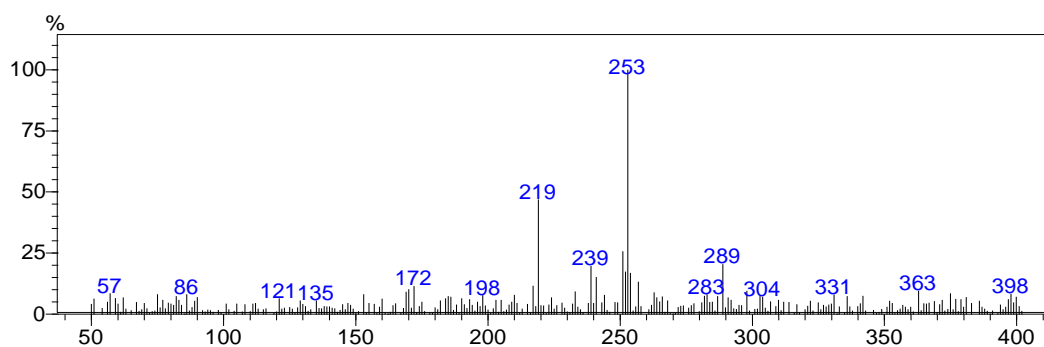
分子式: $C_9H_6Cl_6O_4S$



Q3 scan



Product ion scan (m/z 387)



111. 苯硫磷

化合物信息

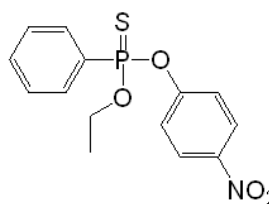
CAS#: 2104-64-5

英文名称: EPN

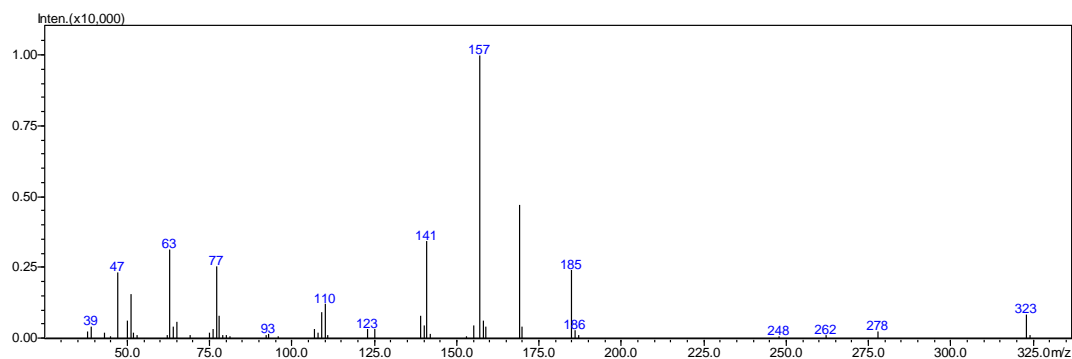
MW: 323

分子式: $C_{14}H_{14}NO_4PS$

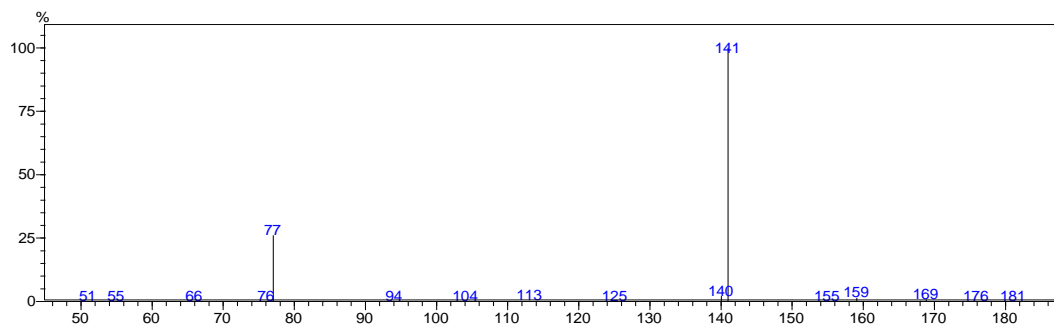
结构式:



Q3 scan



Product ion scan (m/z 169)



112. 氟环唑

化合物信息

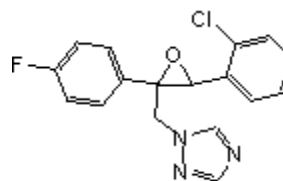
CAS#: 106325-08-0

英文名称: Epoxiconazole

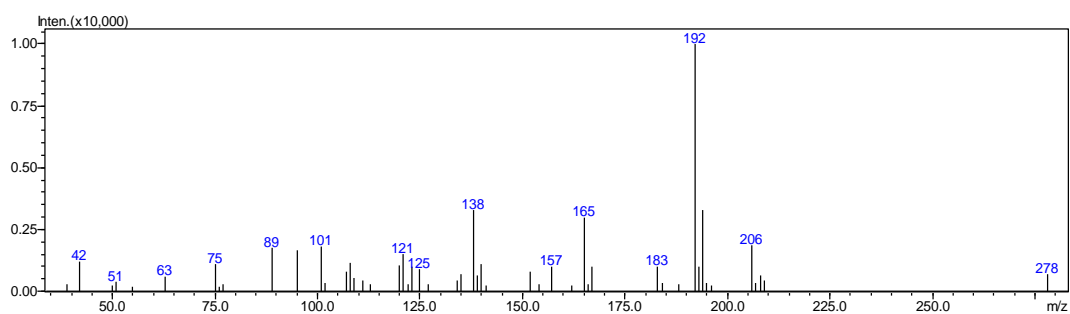
MW: 329

分子式: $C_{17}H_{13}ClFN_3O$

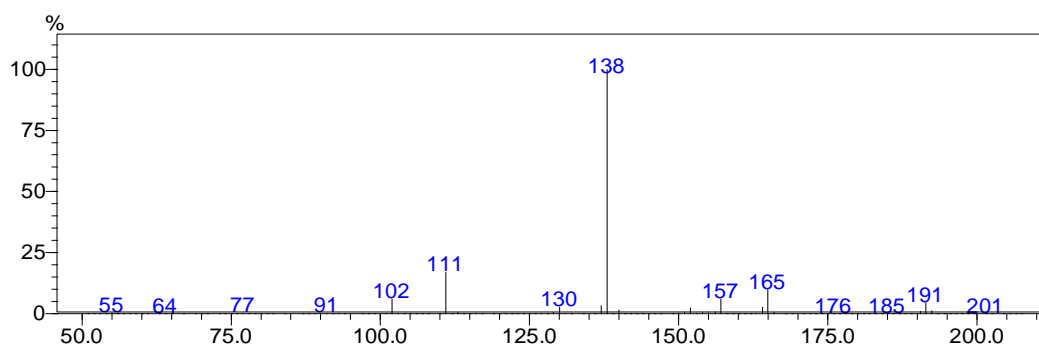
结构式:



Q3 scan



Product ion scan (m/z 192)



113. 禾草畏

化合物信息

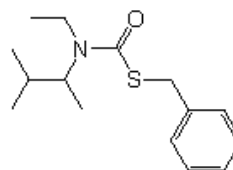
CAS#: 85785-20-2

英文名称: Esprocarb

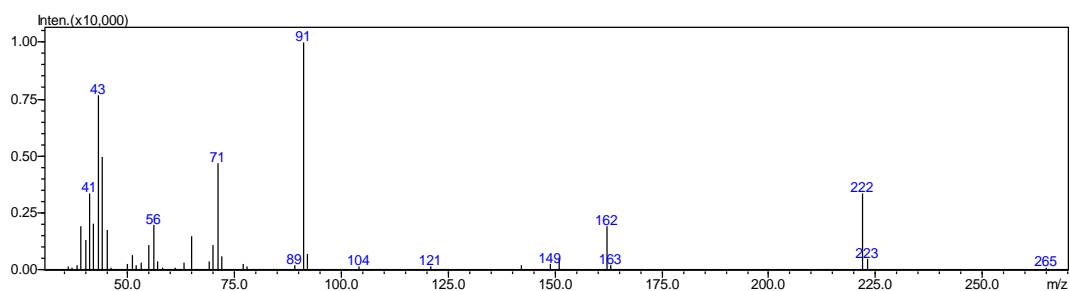
MW: 265

分子式: $C_{15}H_{23}NOS$

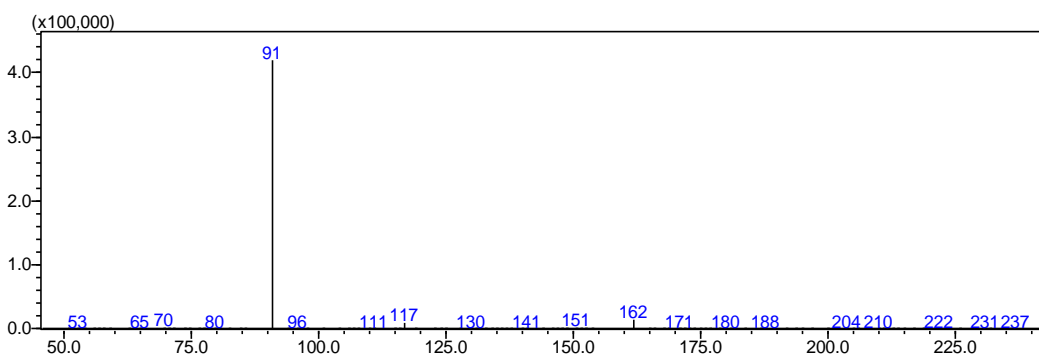
结构式:



Q3 scan



Product ion scan (m/z 222)



114. 丁氟消草

化合物信息

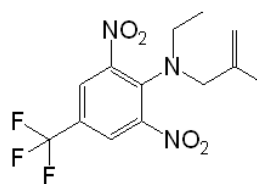
CAS#: 55283-68-6

英文名称: Ethalfluralin

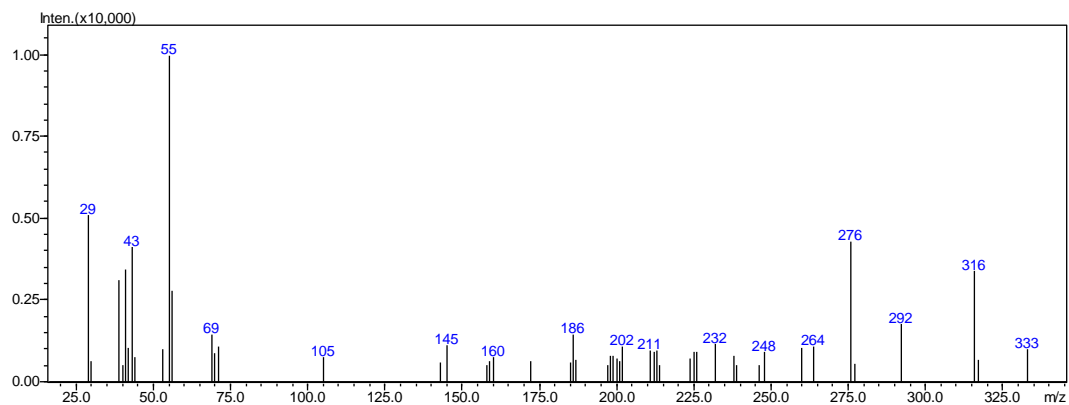
MW: 333

分子式: $C_{13}H_{14}F_3N_3O_4$

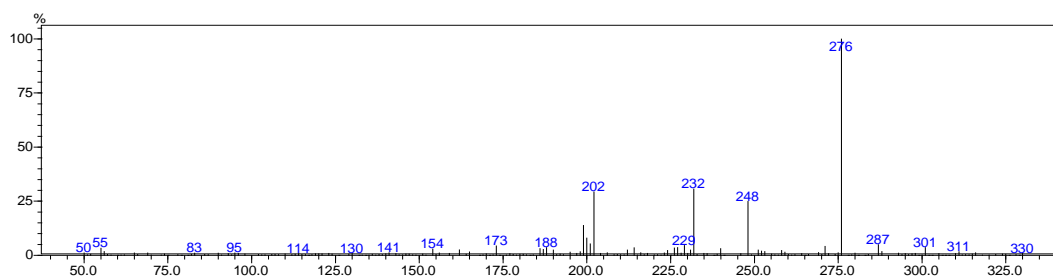
结构式:



Q3 scan



Product ion scan (m/z 316)



115. 乙硫磷

化合物信息

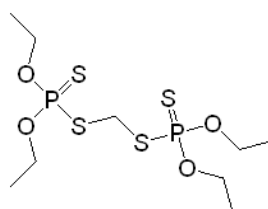
CAS#: 563-12-2

英文名称: Ethion

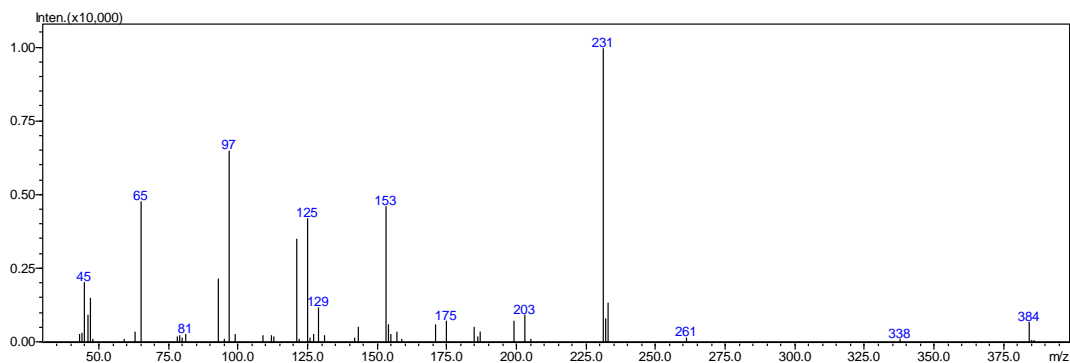
MW: 384

分子式: $C_9H_{22}O_4P_2S_4$

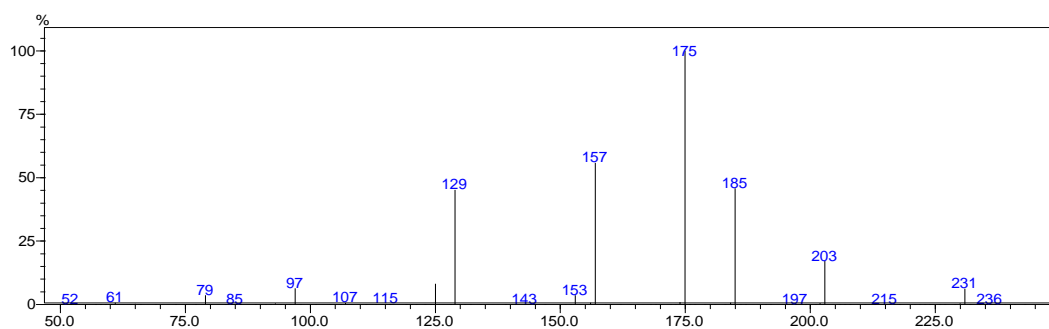
结构式:



Q3 scan



Product ion scan (m/z 231)



116. 醚菊唑

化合物信息

CAS#: 80844-07-1

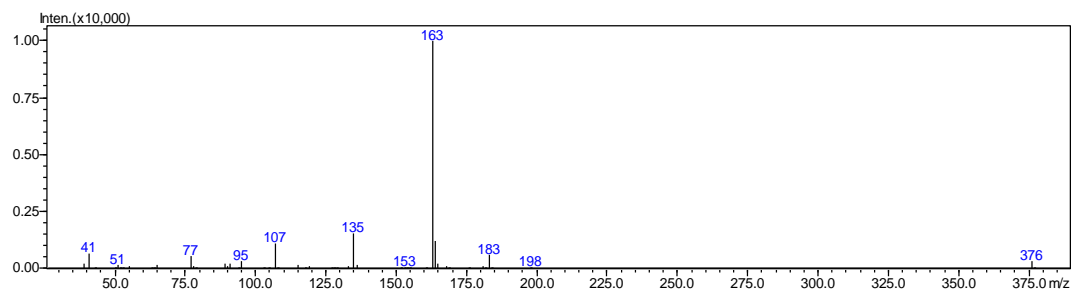
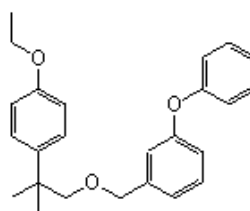
英文名称: Etofenprox

MW: 376

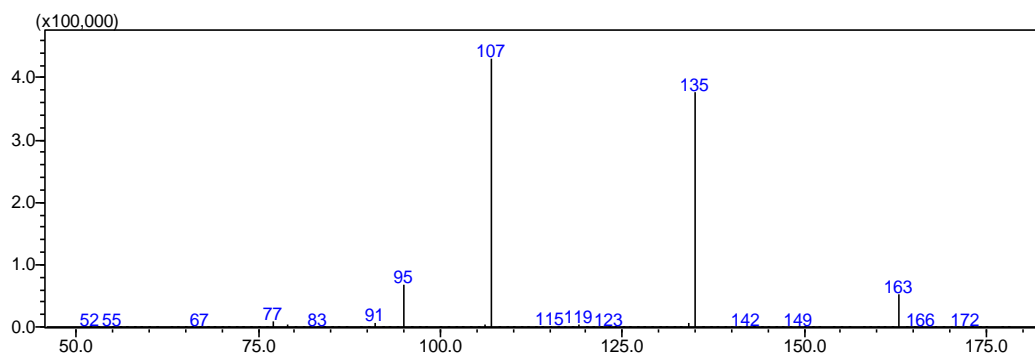
分子式: $C_{25}H_{28}O_3$

Q3 scan

结构式:



Product ion scan (m/z 163)



117. 乙呋草黄

化合物信息

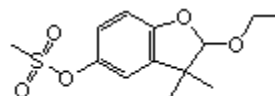
CAS#: 26225-79-6

英文名称: Ethofumesate

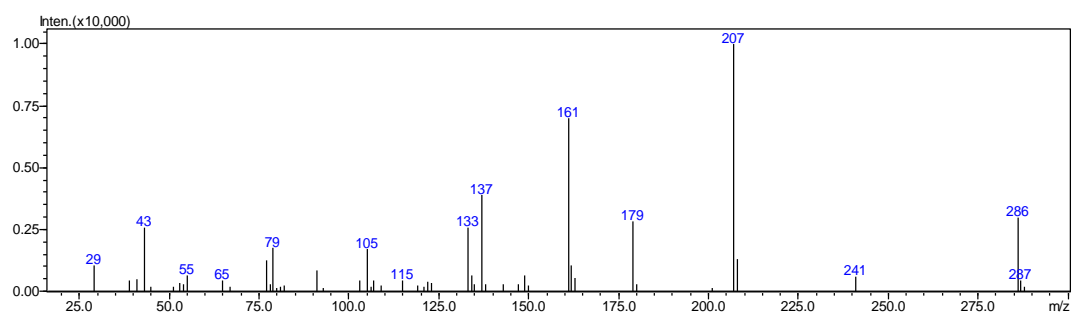
MW: 286

分子式: $C_{13}H_{18}O_5S$

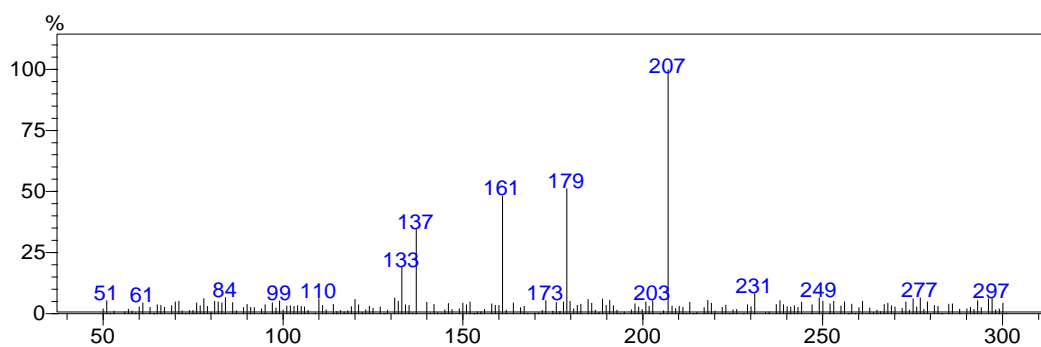
结构式:



Q3 scan



Product ion scan (m/z 286)



118. 灭线磷

化合物信息

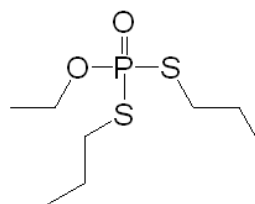
CAS#: 13194-48-4

英文名称: Ethrophos

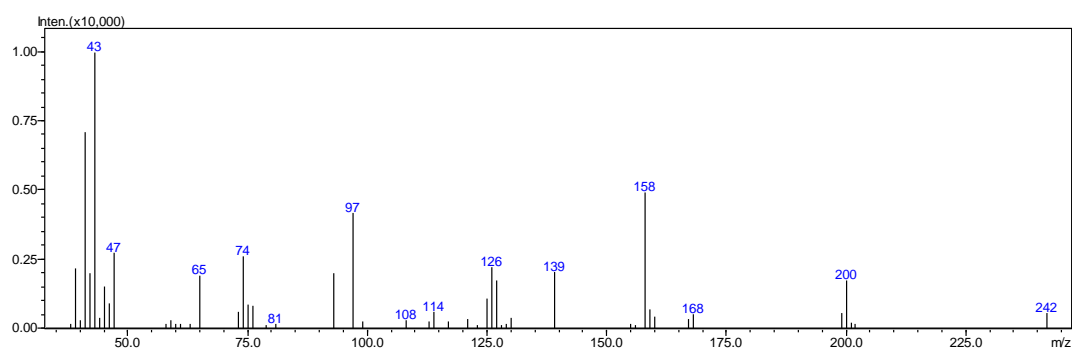
MW: 242

分子式: $C_8H_{19}O_2PS_2$

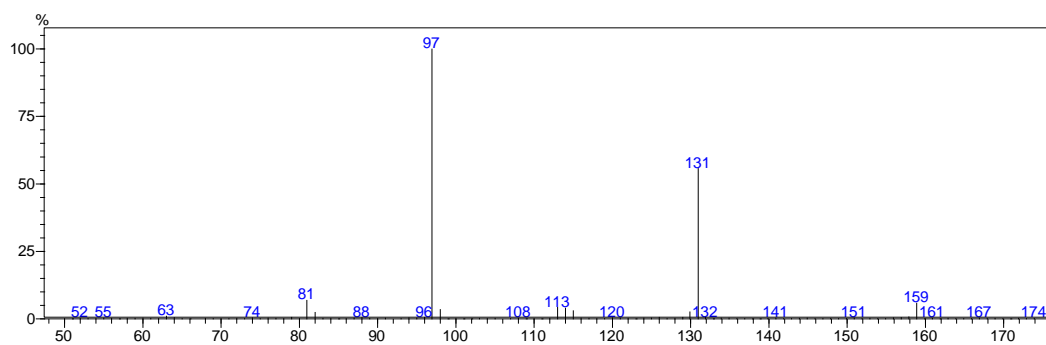
结构式:



Q3 scan



Product ion scan (m/z 200)



119. 乙氧苯草胺

化合物信息

CAS#: 79540-50-4

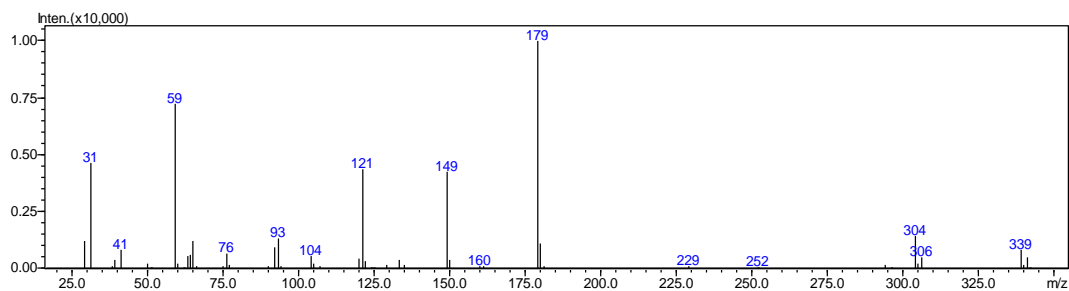
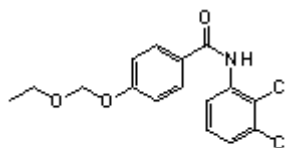
英文名称: Etobenzanid

MW: 339

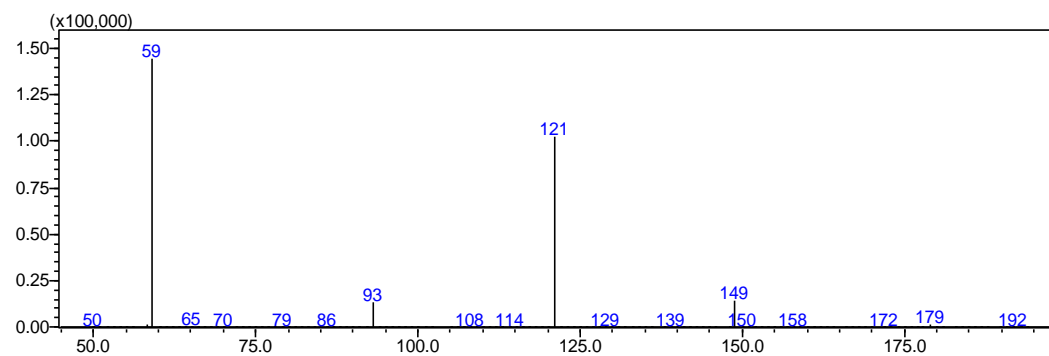
分子式: $C_{16}H_{15}Cl_2NO_3$

Q3 scan

结构式:



Product ion scan (m/z 179)



120. 乙麟唑

化合物信息

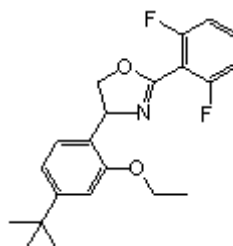
CAS#: 153233-91-1

英文名称: Etoxazole

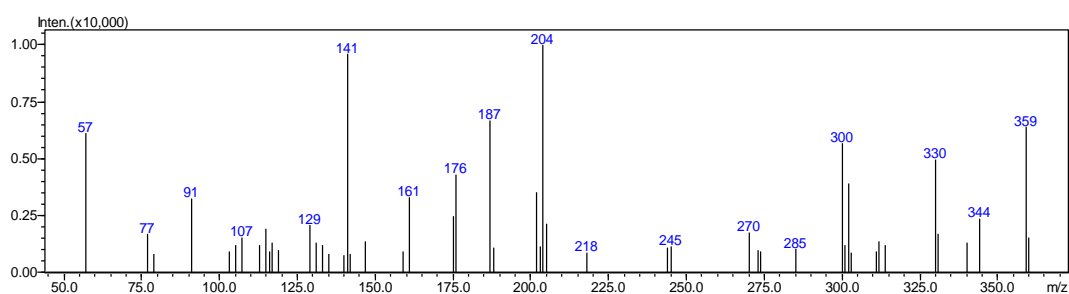
MW: 359

分子式: $C_{21}H_{23}F_2NO_2$

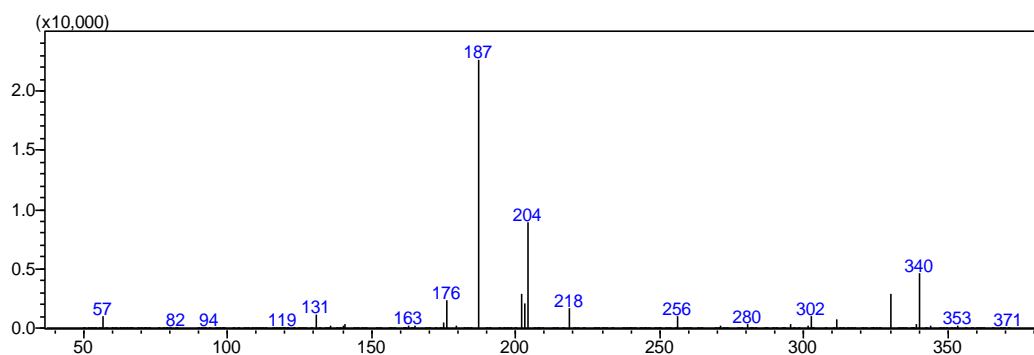
结构式:



Q3 scan



Product ion scan (m/z 359)



121. 乙螨唑代谢物

化合物信息

结构式:

CAS#:

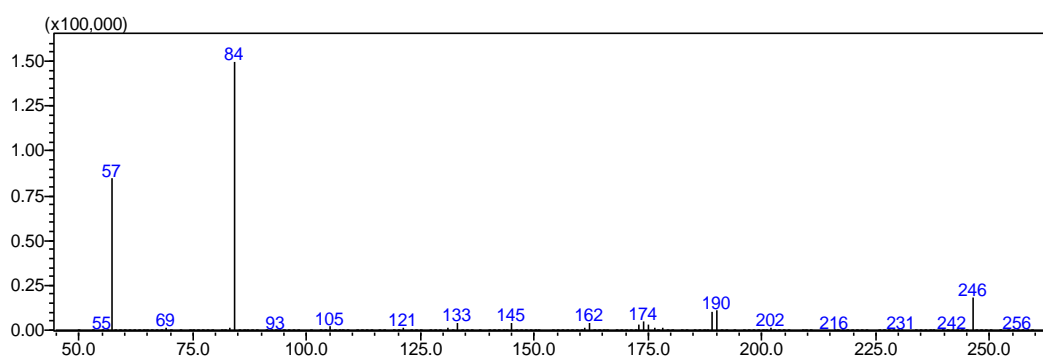
英文名称: Etoxazole metabolite

MW:

分子式:

Q3 scan

Product ion scan (m/z 246)



122. 土菌灵

化合物信息

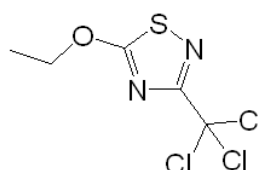
结构式:

CAS#: 2593-15-9

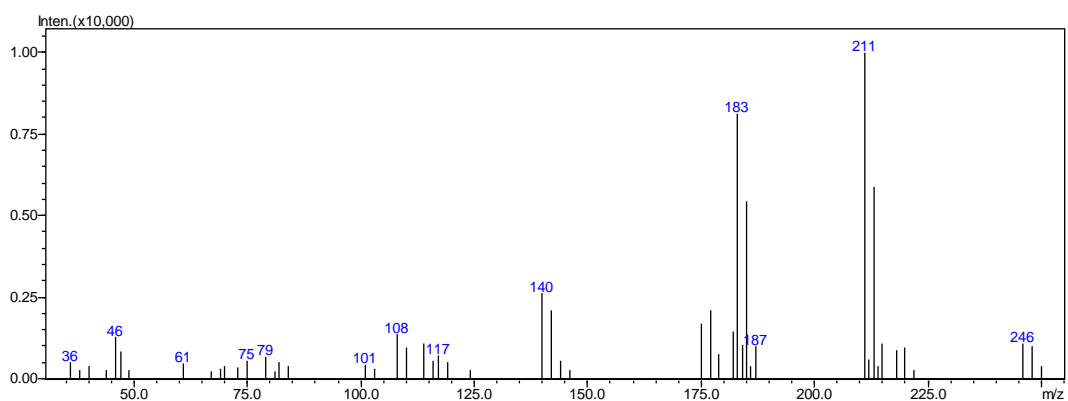
英文名称: Etridiazol

MW: 246

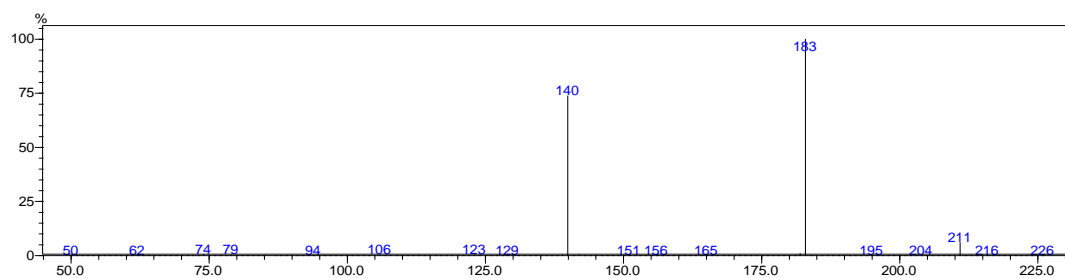
分子式: $C_5H_5Cl_3N_2OS$



Q3 scan



Product ion scan (m/z 211)



123. 乙噻硫磷

化合物信息

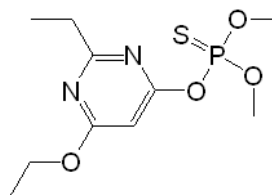
CAS#: 38260-54-7

英文名称: Etrimos

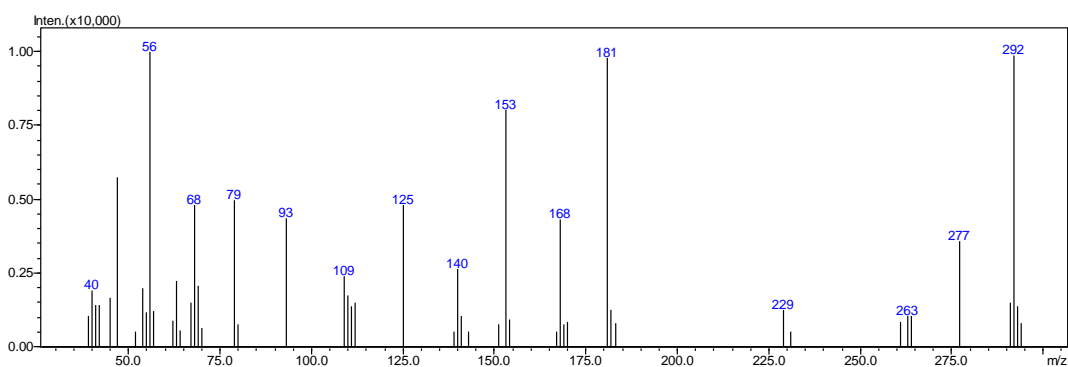
MW: 292

分子式: $C_{10}H_{17}N_2O_4PS$

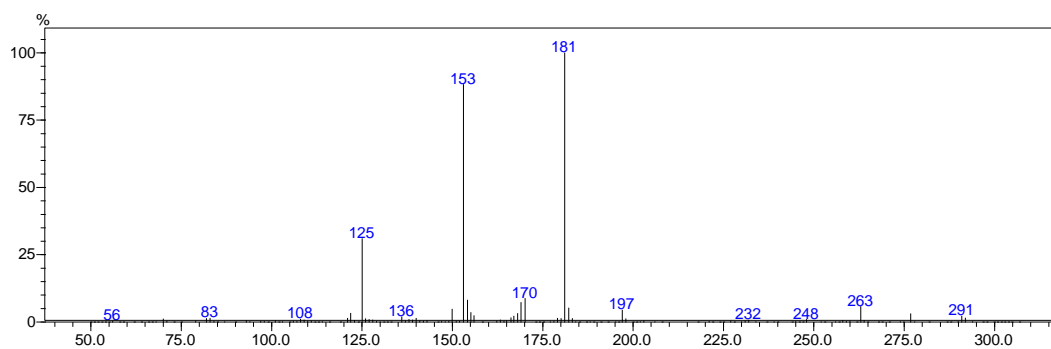
结构式:



Q3 scan



Product ion scan (m/z 292)



124. 恶唑菌酮

化合物信息

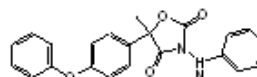
CAS#: 131807-57-3

英文名称: Famoxadone

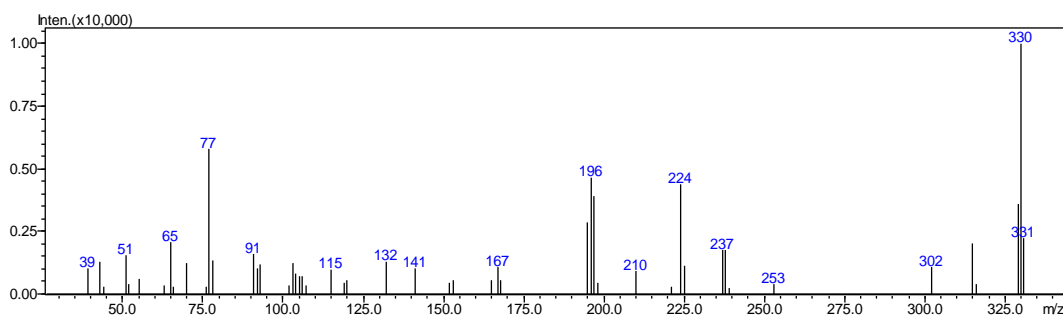
MW: 374

分子式: $C_{22}H_{18}N_2O_4$

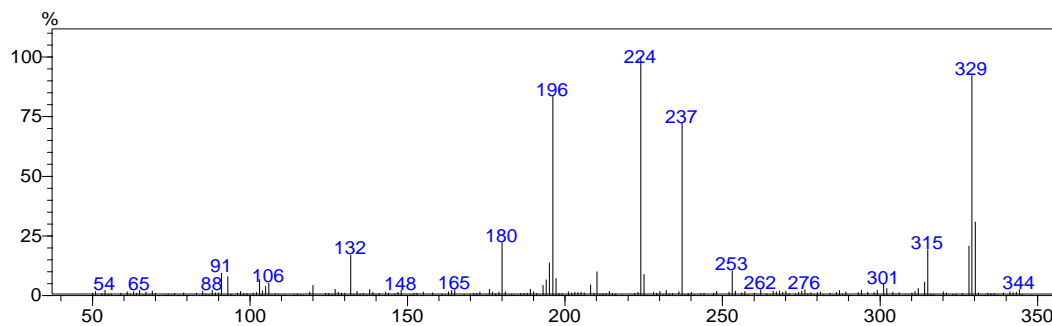
结构式:



Q3 scan



Product ion scan (m/z 330)



125. 咪唑菌酮

化合物信息

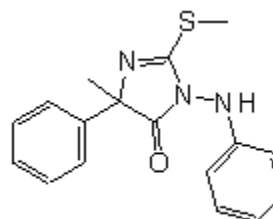
CAS#: 161326-34-7

英文名称: Fenamidone

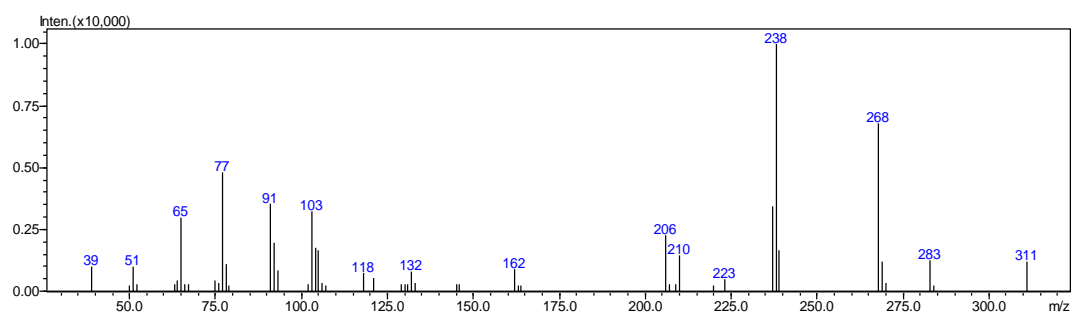
MW: 311

分子式: $C_{17}H_{17}N_3OS$

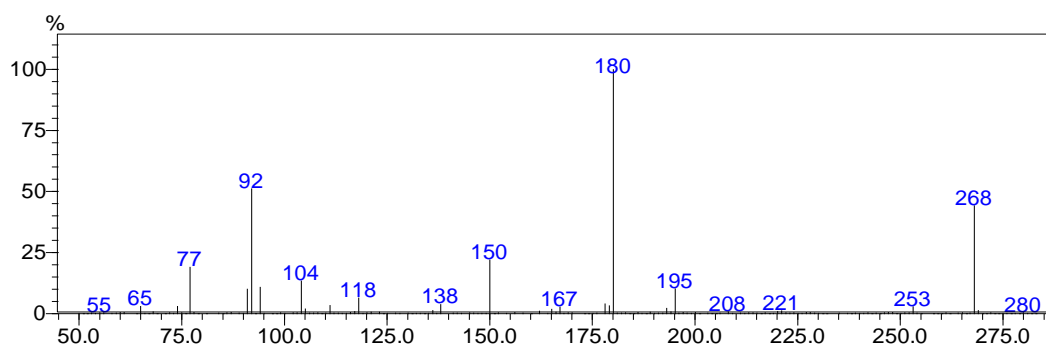
结构式:



Q3 scan



Product ion scan (m/z 268)



126. 苯线磷

化合物信息

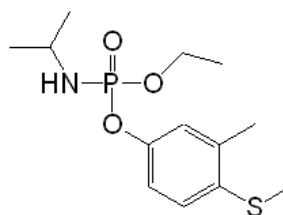
CAS#: 22224-92-6

英文名称: Fenamiphos

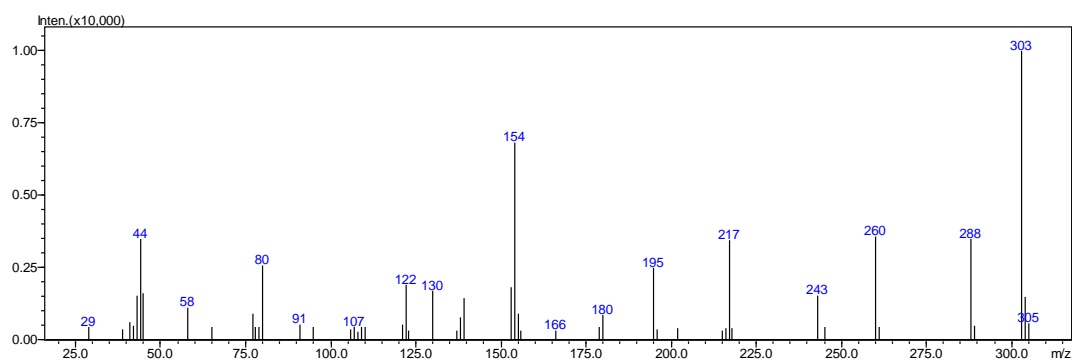
MW: 303

分子式: C₁₃H₂₂NO₃PS

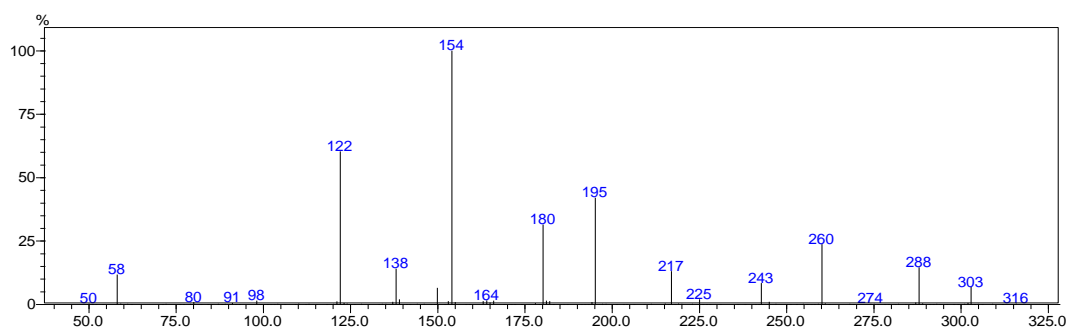
结构式:



Q3 scan



Product ion scan (m/z 303)



127. 氯苯嘧啶醇

化合物信息

CAS#: 60168-88-9

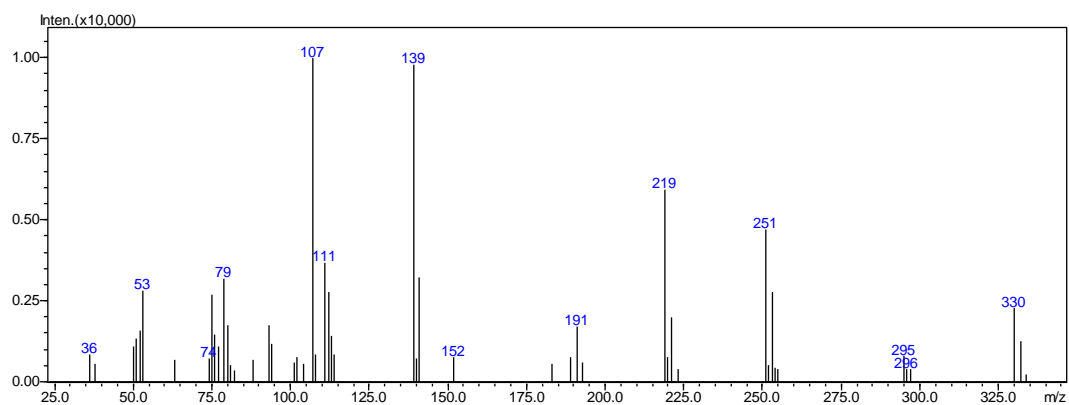
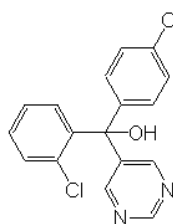
英文名称: Fenarimol

MW: 330

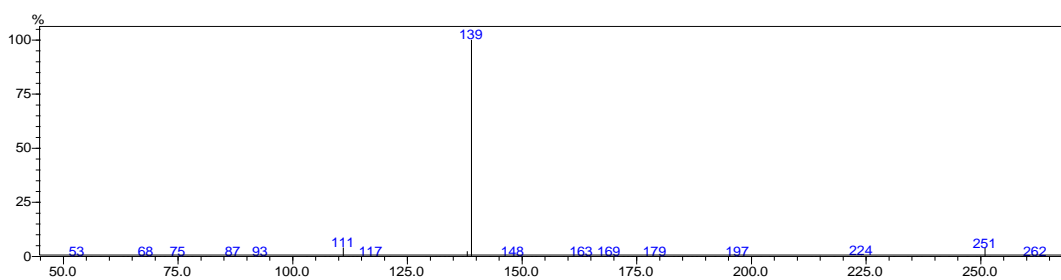
分子式: $C_{17}H_{12}Cl_2N_2O$

Q3 scan

结构式:



Product ion scan (m/z 251)



128. 腈苯唑

化合物信息

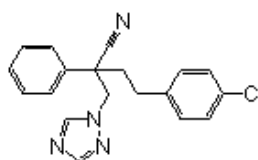
CAS#: 114369-43-6

英文名称: Fenbuconazole

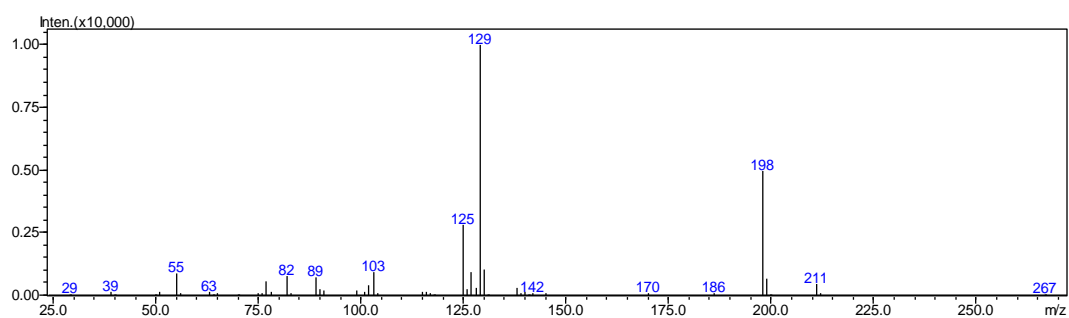
MW: 336

分子式: $C_{19}H_{17}ClN_4$

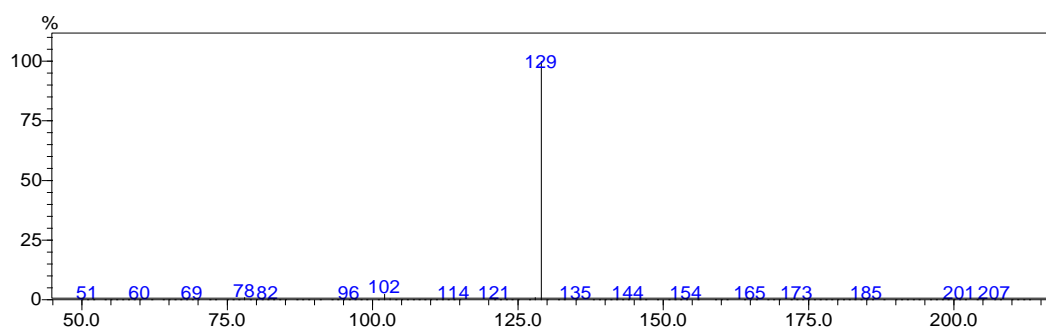
结构式:



Q3 scan



Product ion scan (m/z 198)



129. 皮蝇磷

化合物信息

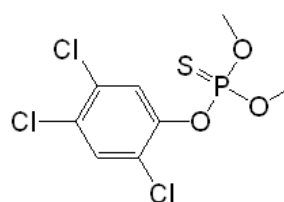
CAS#: 299-84-3

英文名称: Fenchlorphos

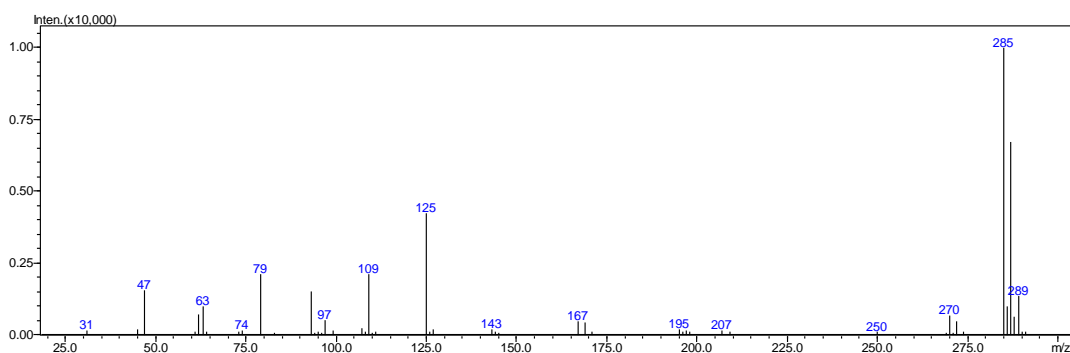
MW: 320

分子式: $C_8H_8Cl_3PS$

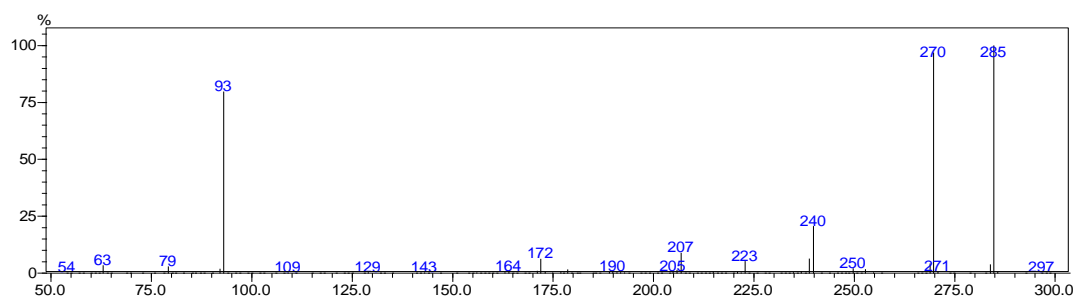
结构式:



Q3 scan



Product ion scan (m/z 285)



130. 杀螟硫磷

化合物信息

CAS#: 122-14-5

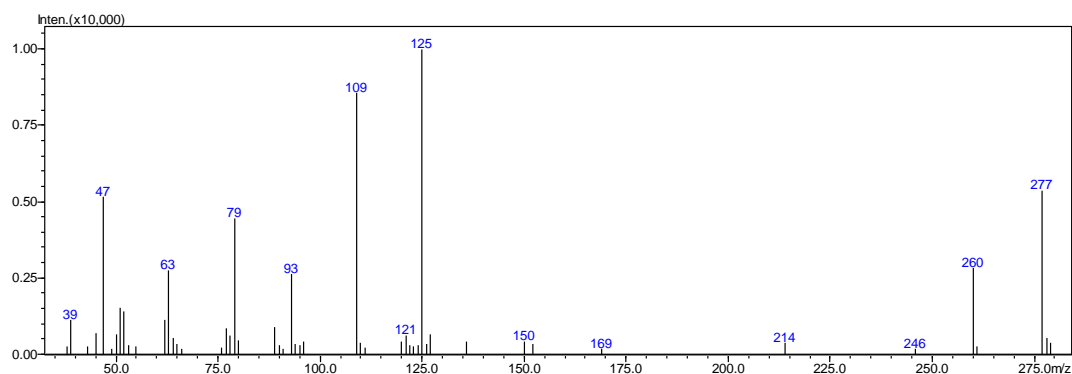
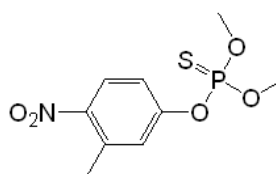
英文名称: Fenitrothion

MW: 277

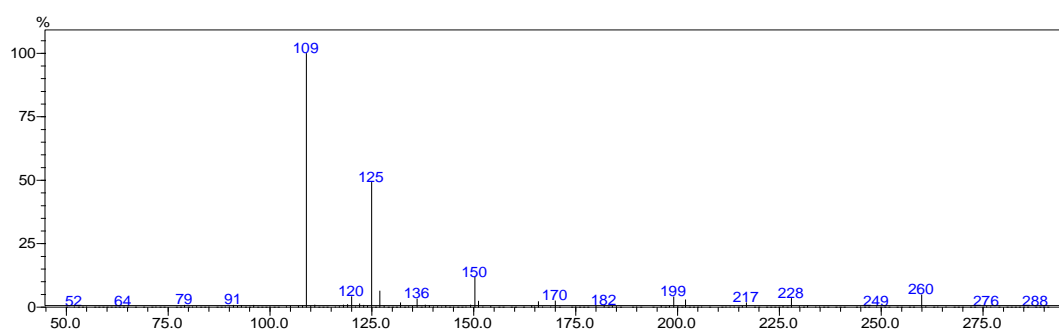
分子式: $C_9H_{12}NO_5PS$

Q3 scan

结构式:



Product ion scan (m/z 277)



131. 苯硫威

化合物信息

CAS#: 62850-32-2

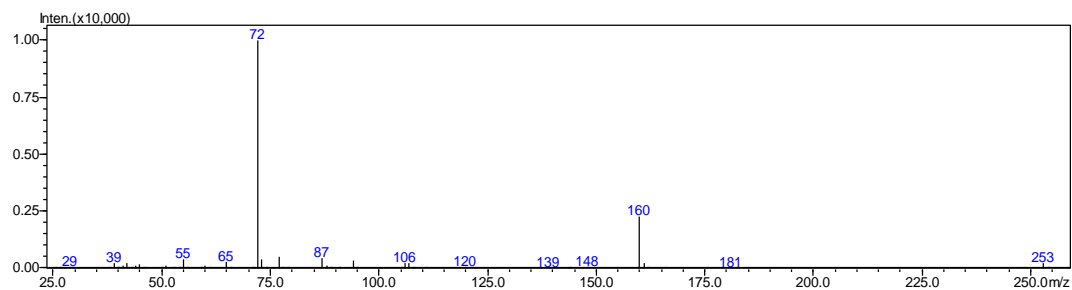
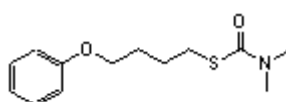
英文名称: Fenothiocarb

MW: 253

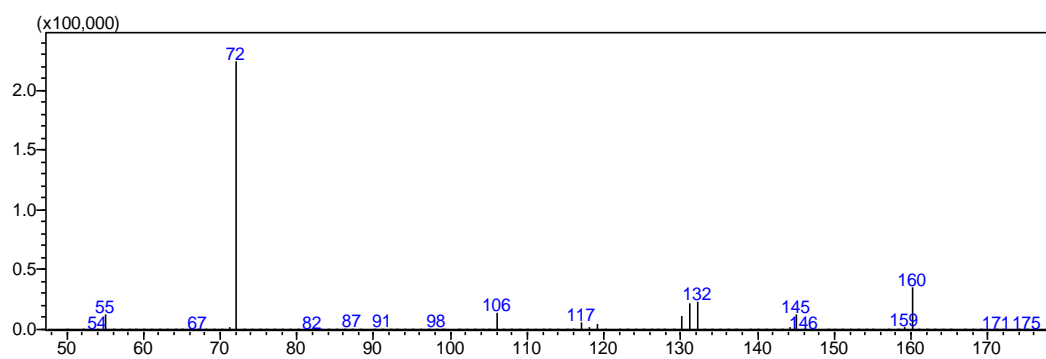
分子式: $C_{13}H_{19}NO_2S$

Q3 scan

结构式:



Product ion scan (m/z 160)



132. 稻瘟酰胺

化合物信息

CAS#: 115852-48-7

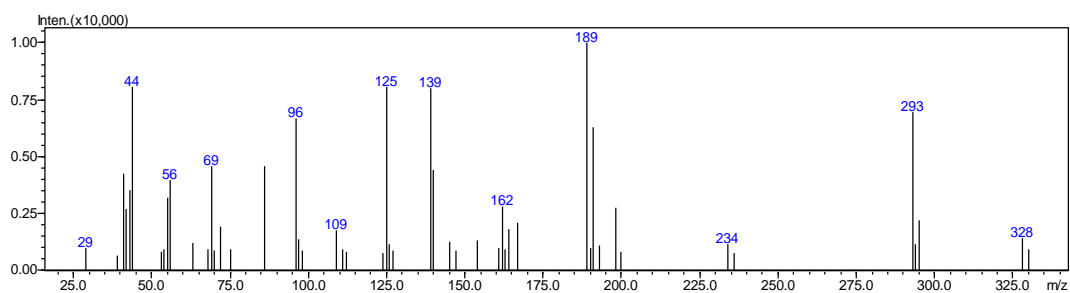
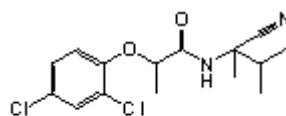
英文名称: Fenoxanil

MW: 328

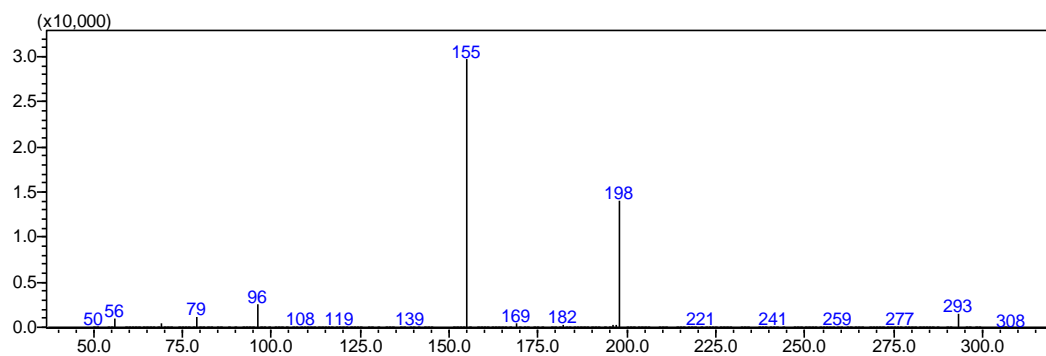
分子式: $C_{15}H_{18}Cl_2N_2O_2$

Q3 scan

结构式:



Product ion scan (m/z 293)



133. 恶唑禾草灵 (乙酯)

化合物信息

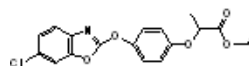
CAS#: 66441-23-4

英文名称: Fenoxaprop-ethyl

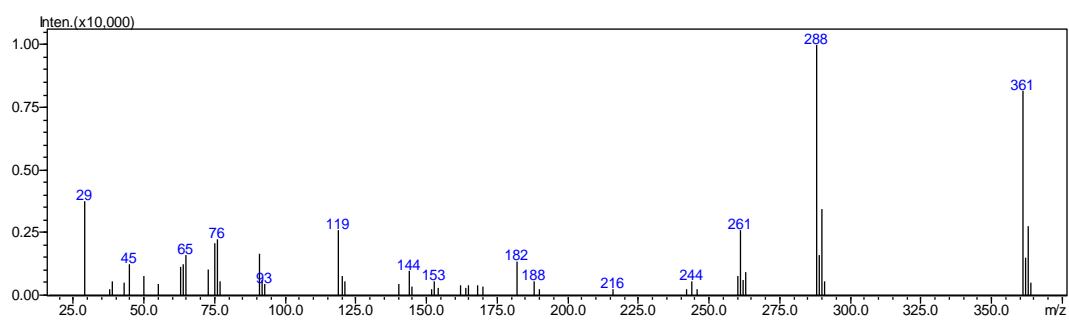
MW: 361

分子式: $C_{18}H_{16}ClNO_5$

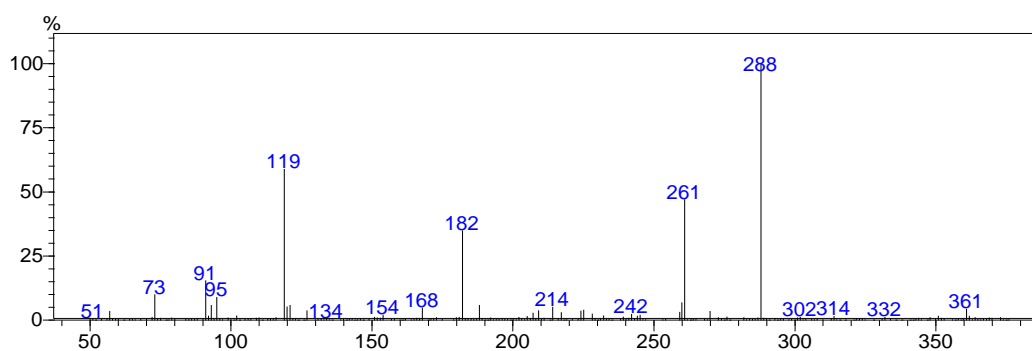
结构式:



Q3 scan



Product ion scan (m/z 361)



134. 苯氧威

化合物信息

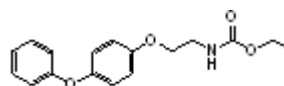
CAS#: 79127-80-3

英文名称: Fenoxycarb

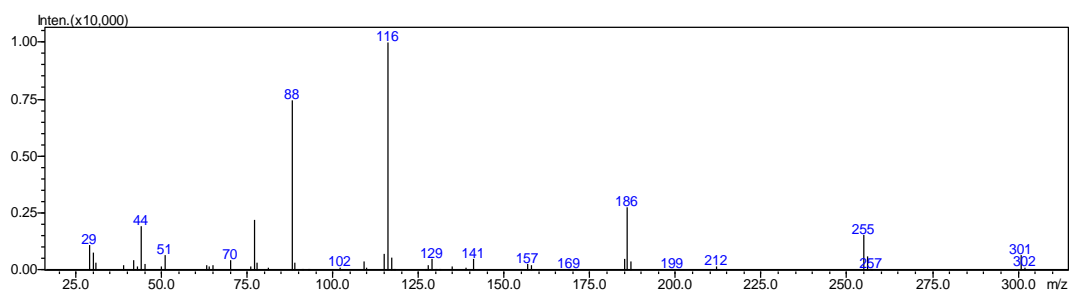
MW: 301

分子式: C₁₇H₁₉NO₄

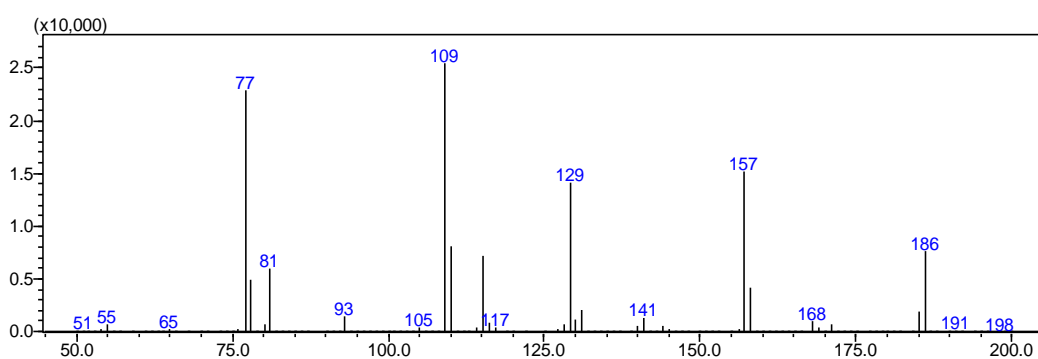
结构式:



Q3 scan



Product ion scan (m/z 186)



135. 甲氰菊酯

化合物信息

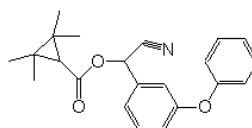
CAS#: 39515-41-8

英文名称: Fenpropathrin

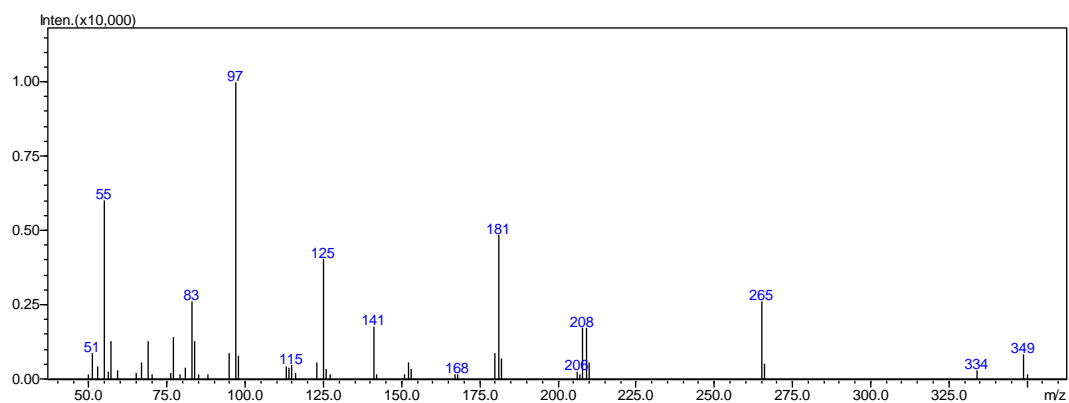
MW: 349

分子式: $C_{22}H_{23}NO_3$

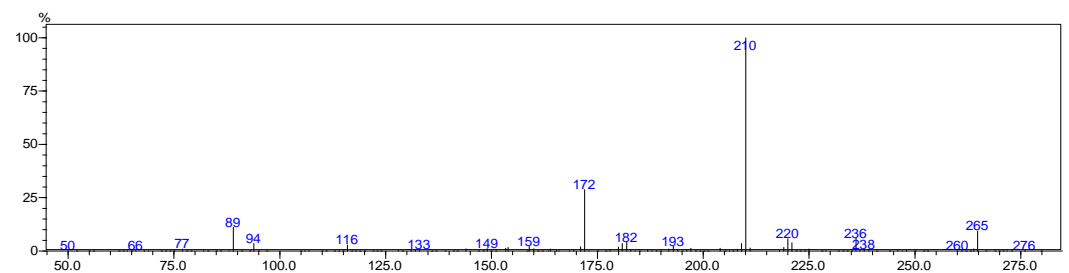
结构式:



Q3 scan



Product ion scan (m/z 265)



136. 丰索磷

化合物信息

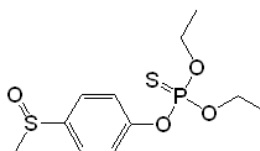
CAS#: 115-90-2

英文名称: Fensulfothion

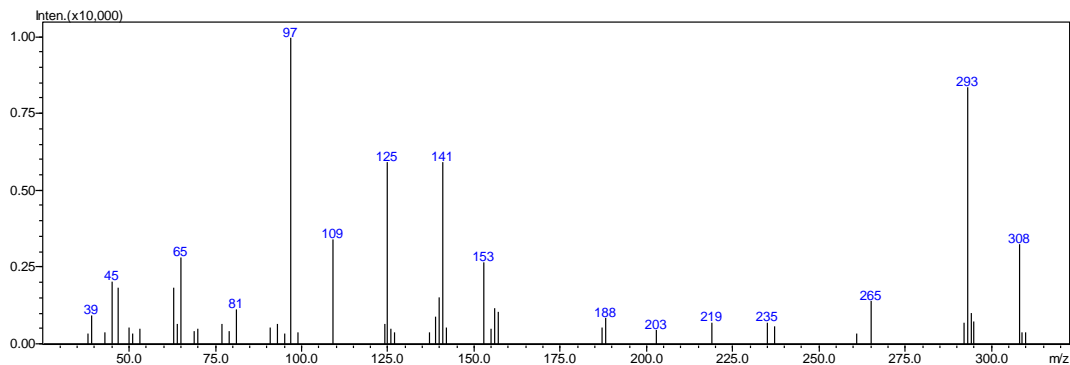
MW: 308

分子式: $C_{11}H_{17}O_4PS$

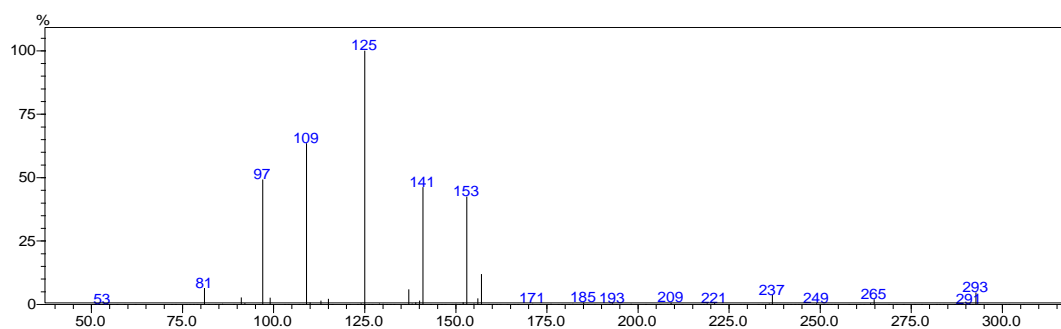
结构式:



Q3 scan



Product ion scan (m/z 293)



137. 倍硫磷

化合物信息

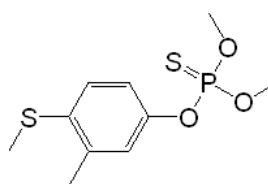
CAS#: 55-38-9

英文名称: Fenthion

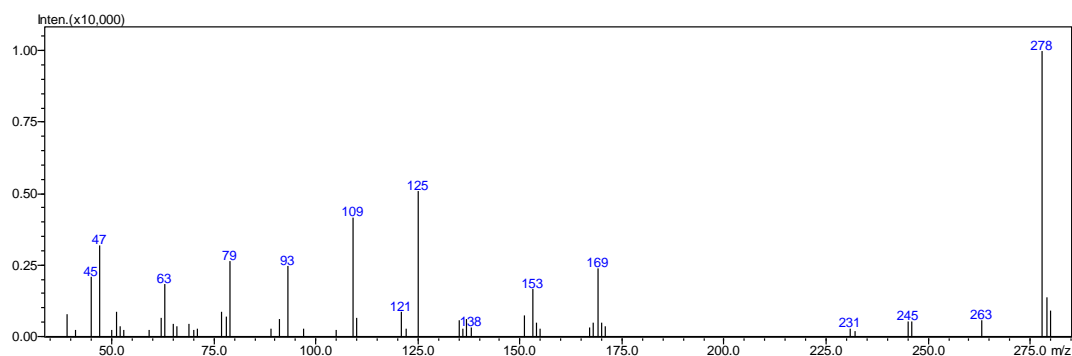
MW: 278

分子式: $C_{10}H_{15}O_3PS_2$

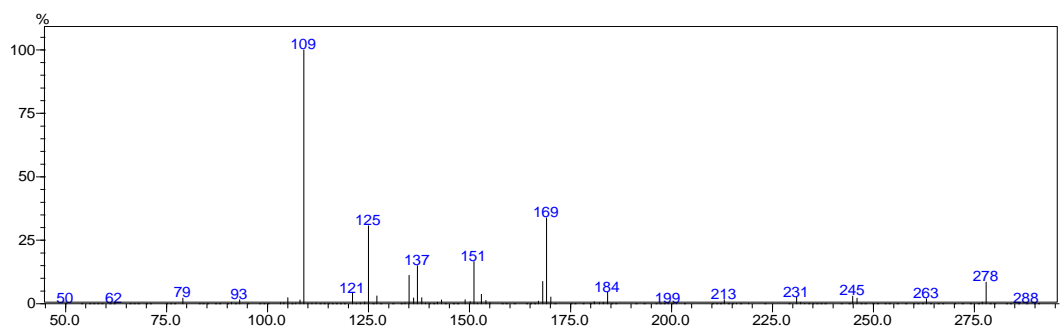
结构式:



Q3 scan



Product ion scan (m/z 278)



138. 氰戊菊酯

化合物信息

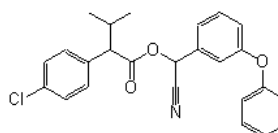
CAS#: 51630-58-1

英文名称: Fenvalerate

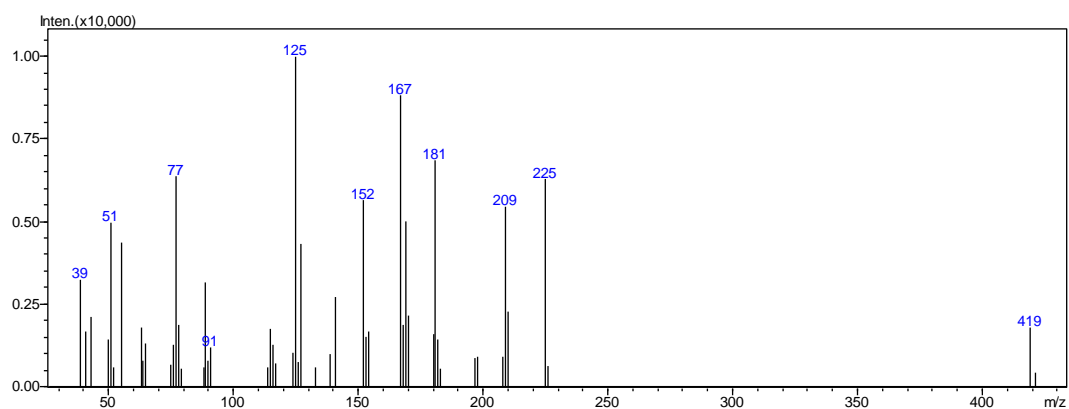
MW: 419

分子式: $C_{25}H_{22}ClNO_3$

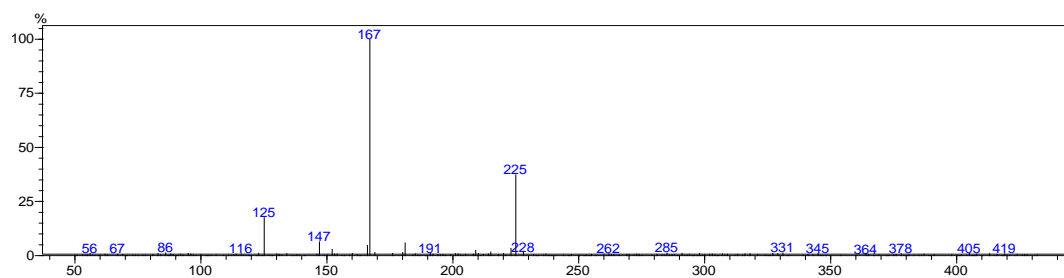
结构式:



Q3 scan



Product ion scan (m/z 419)



139. 氟虫腓

化合物信息

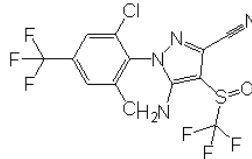
CAS#: 120068-37-3

英文名称: Fipronil

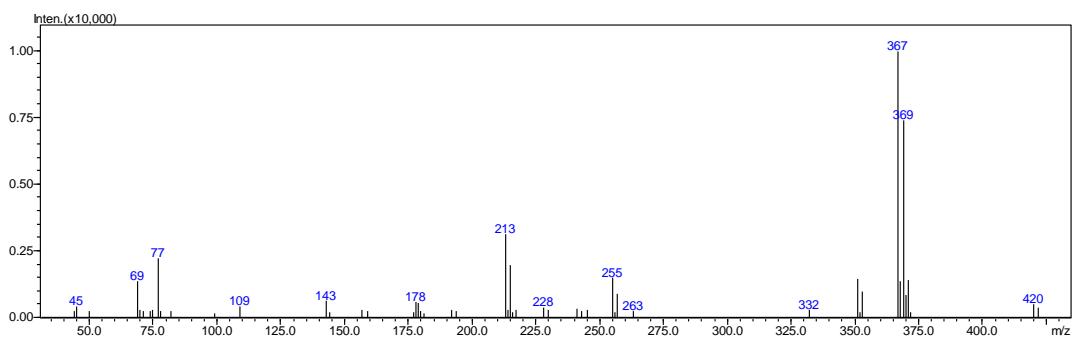
MW: 436

分子式: $C_{12}H_4Cl_2F_6N_4OS$

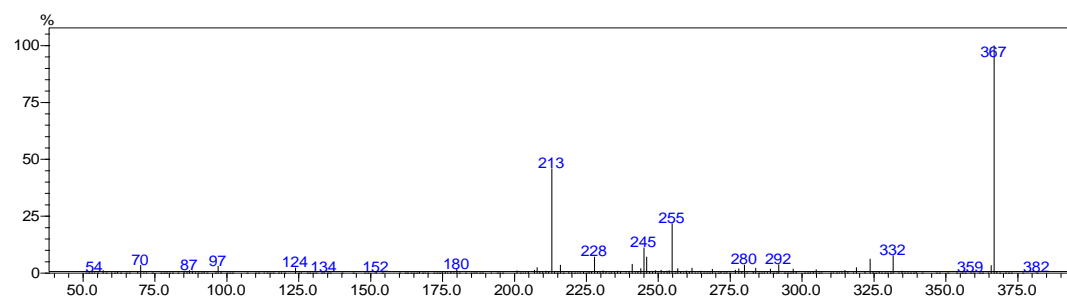
结构式:



Q3 scan



Product ion scan (m/z 367)



140. 麦草伏甲酯

化合物信息

CAS#: 52756-25-9

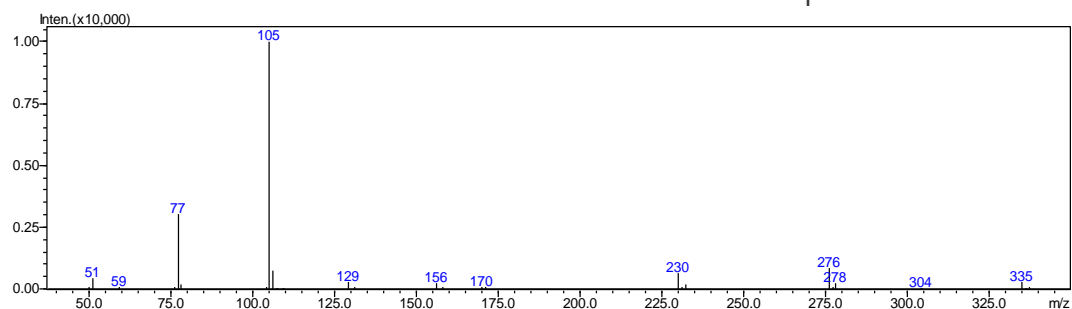
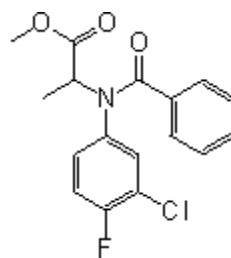
英文名称: Flamprop-methyl

MW: 335

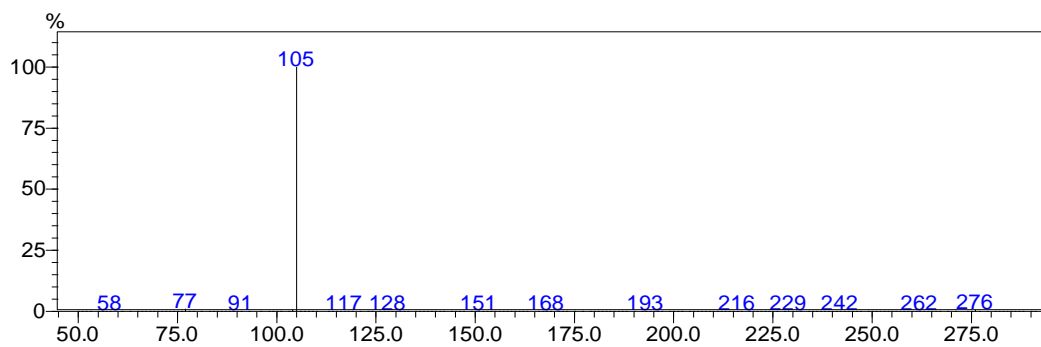
分子式: $C_{17}H_{15}ClFNO_3$

Q3 scan

结构式:



Product ion scan (m/z 276)



141. 嘧啶酯

化合物信息

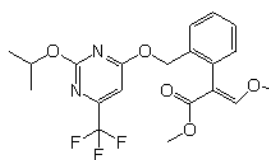
CAS#: 229977-93-9

英文名称: Fluacrypyrim

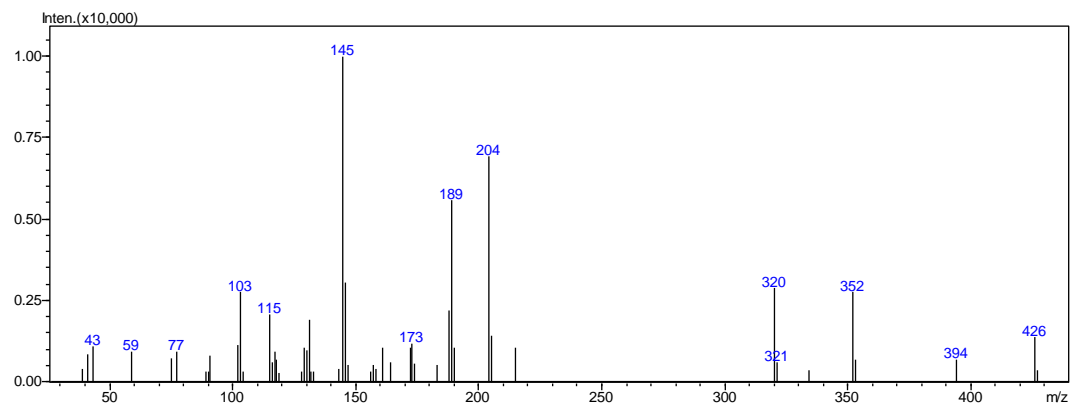
MW: 426

分子式: $C_{20}H_{21}F_3N_2O_5$

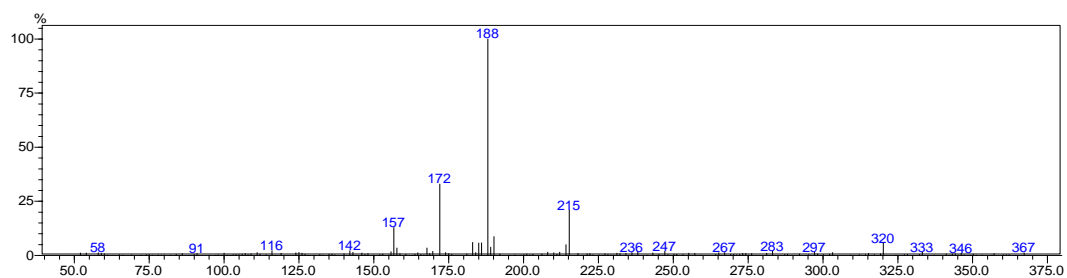
结构式:



Q3 scan



Product ion scan (m/z 352)



142. 氟氰戊菊酯

化合物信息

CAS#: 70124-77-5

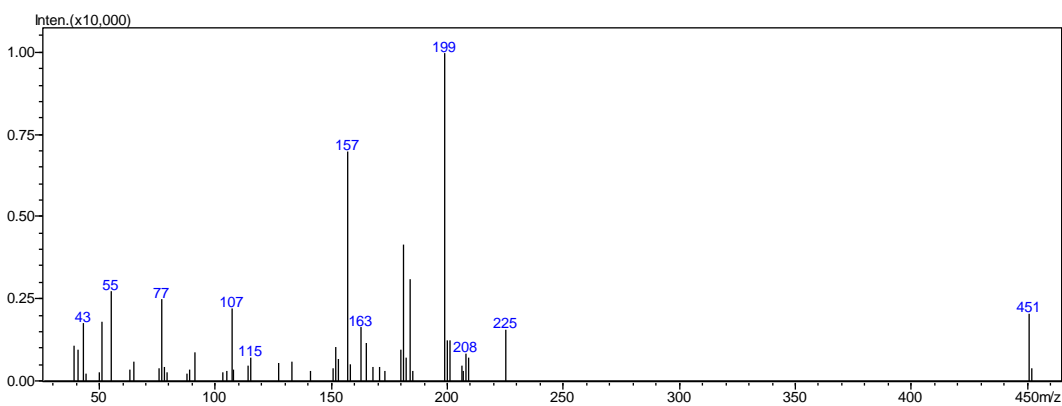
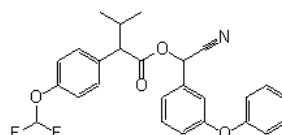
英文名称: Flucythrinate

MW: 451

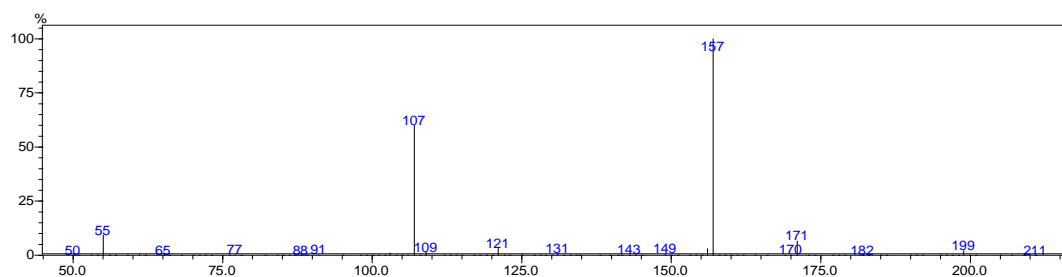
分子式: $C_{26}H_{23}F_2NO_4$

Q3 scan

结构式:



Product ion scan (m/z 199)



143. 咯菌腈

化合物信息

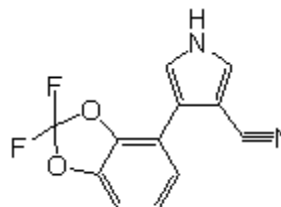
CAS#:131341-86-1

英文名称: Fludioxonil

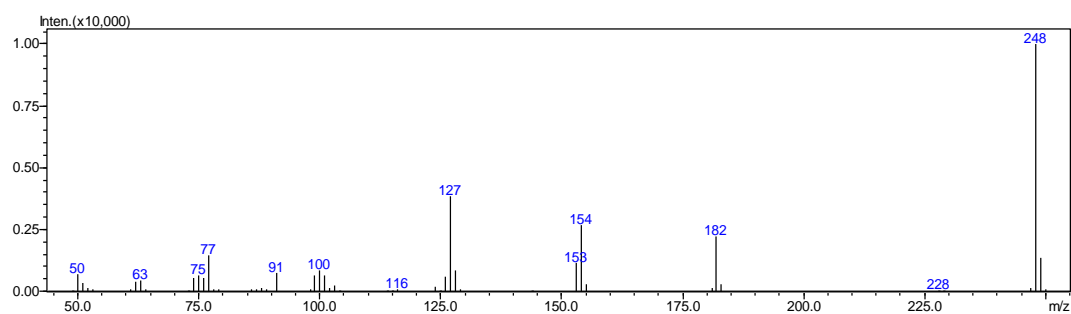
MW: 248

分子式: $C_{12}H_6F_2N_2O_2$

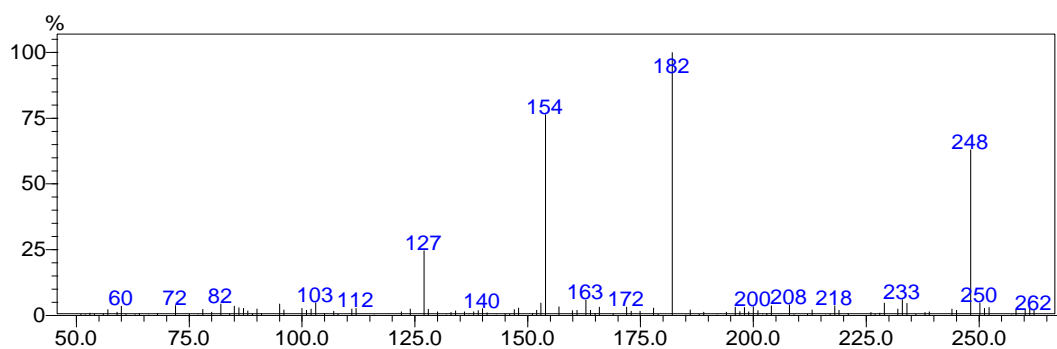
结构式:



Q3 scan



Product ion scan (m/z 248)



144. 氟吡嗪草酯

化合物信息

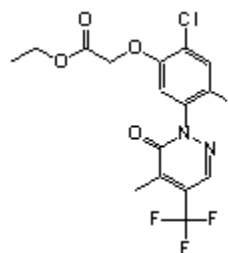
CAS#:188489-07-8

英文名称: Flufenpyr-ethyl

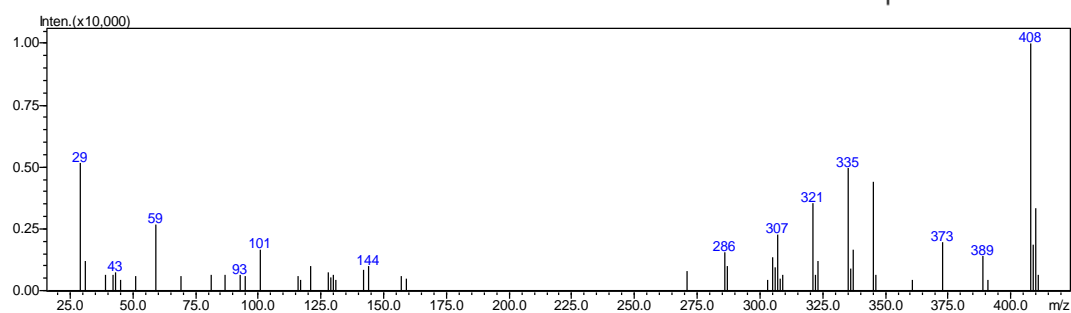
MW: 408

分子式: $C_{16}H_{13}ClF_4N_2O_4$

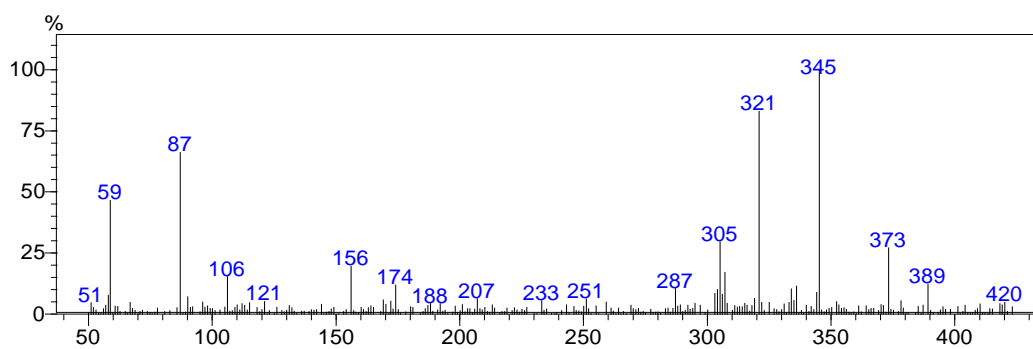
结构式:



Q3 scan



Product ion scan (m/z 408)



145. 氟烯草酸

化合物信息

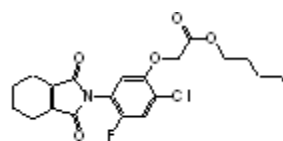
结构式:

CAS#:87546-18-7

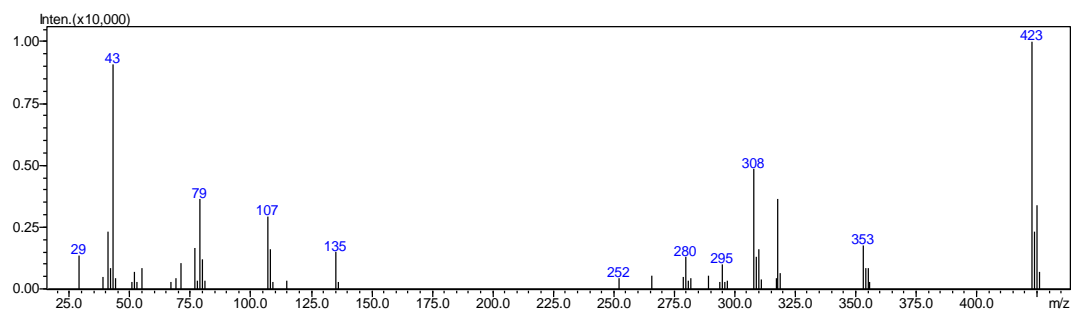
英文名称: Flumiclorac-pentyl

MW: 423

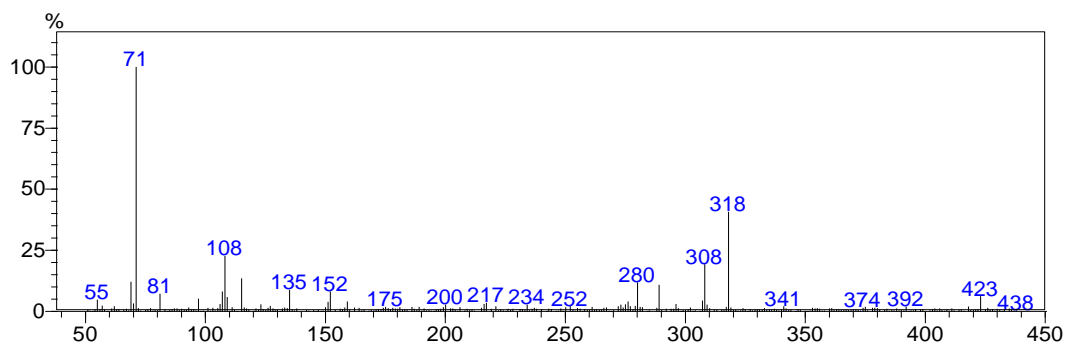
分子式: $C_{21}H_{23}ClFNO_5$



Q3 scan



Product ion scan (m/z 423)



146. 丙炔氟草胺

化合物信息

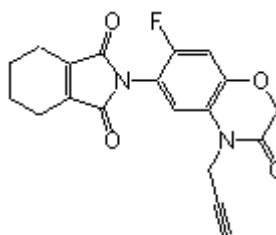
结构式:

CAS#: 103361-09-7

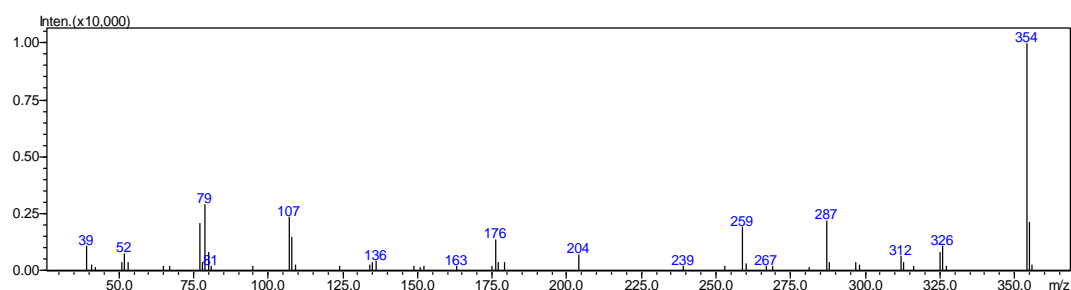
英文名称: Flumioxazin

MW: 354

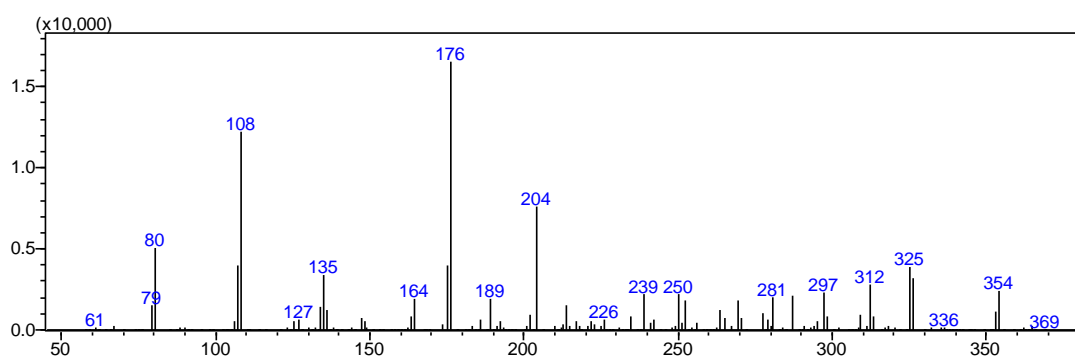
分子式: $C_{19}H_{15}FN_2O_4$



Q3 scan



Product ion scan (m/z 354)



147. 氟喹唑

化合物信息

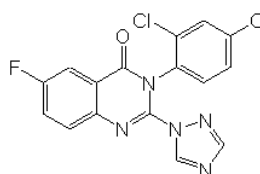
CAS#: 136426-54-5

英文名称: Fluquinconazole

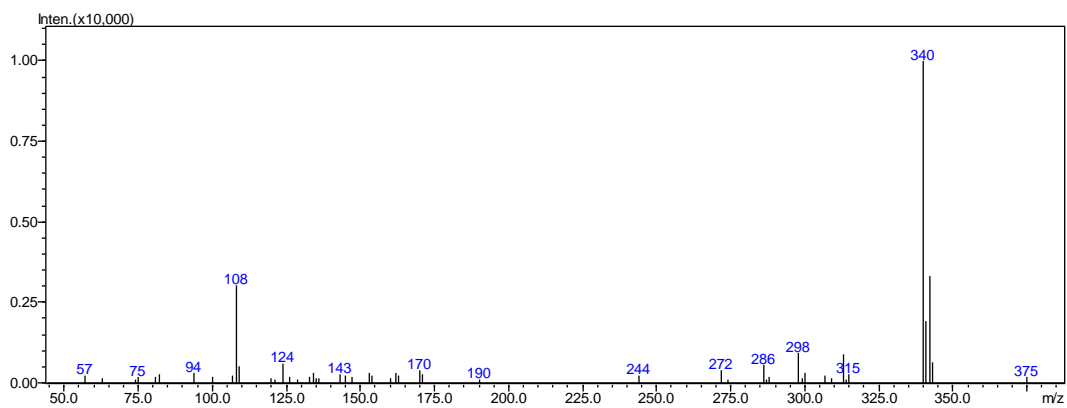
MW: 375

分子式: $C_{16}H_8Cl_2FN_5O$

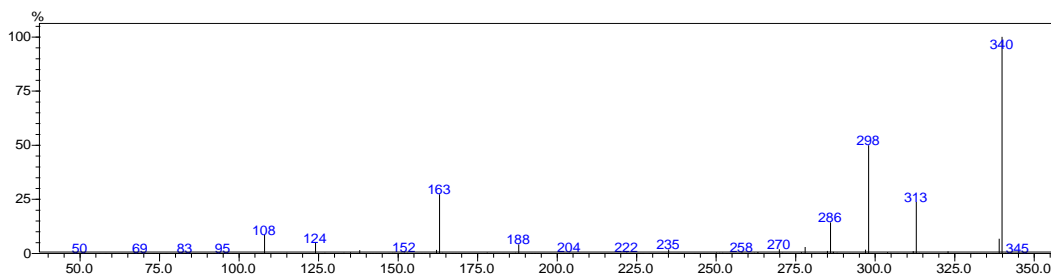
结构式:



Q3 scan



Product ion scan (m/z 340)



148. 氟啶草酮

化合物信息

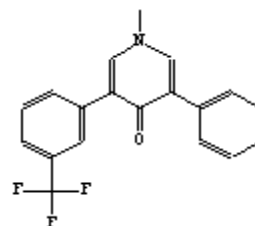
CAS#:59756-60-4

英文名称: Fluridone

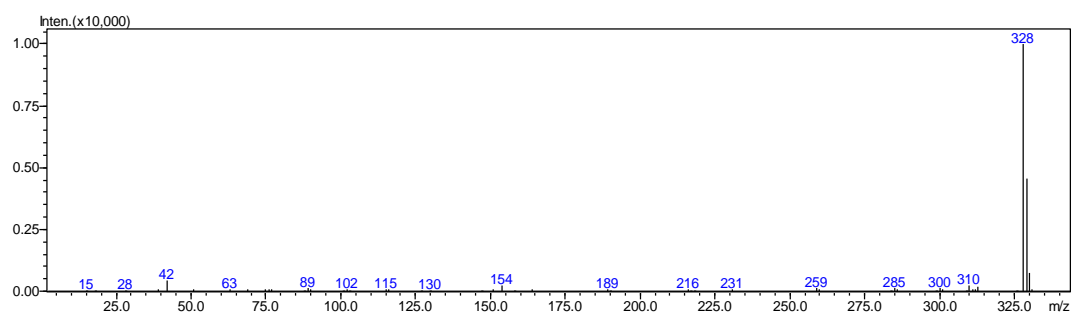
MW: 329

分子式: $C_{19}H_{14}F_3NO$

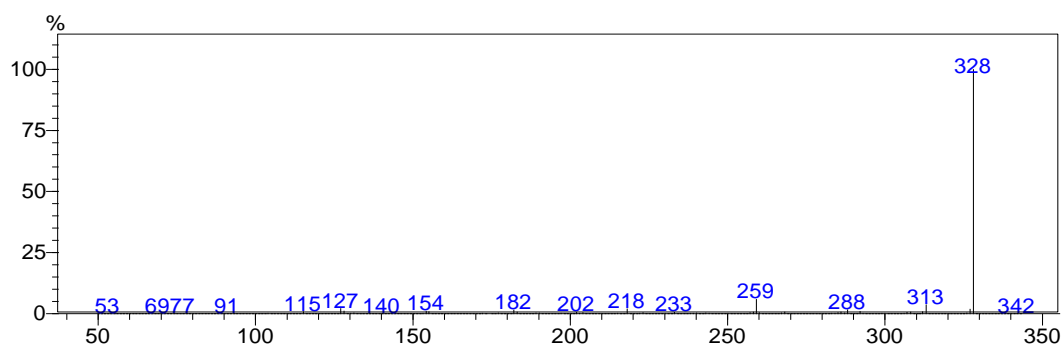
结构式:



Q3 scan



Product ion scan (m/z 328)



149. 氟硅唑

化合物信息

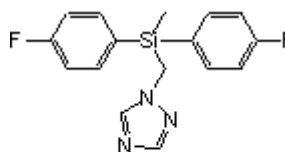
CAS#: 85509-19-9

英文名称: Flusilazole

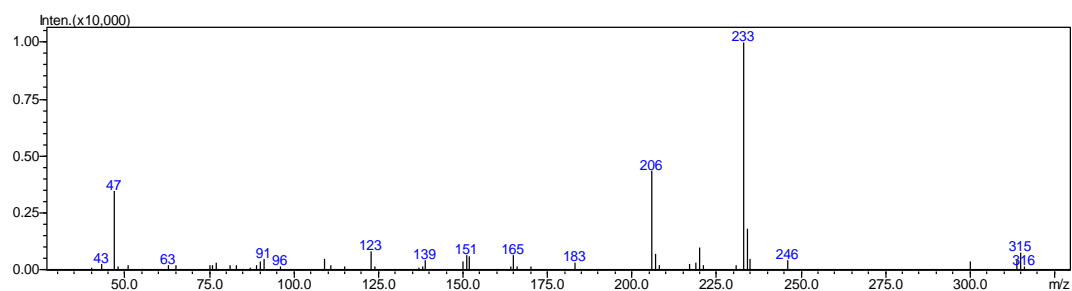
MW: 315

分子式: $C_{16}H_{15}F_2N_3Si$

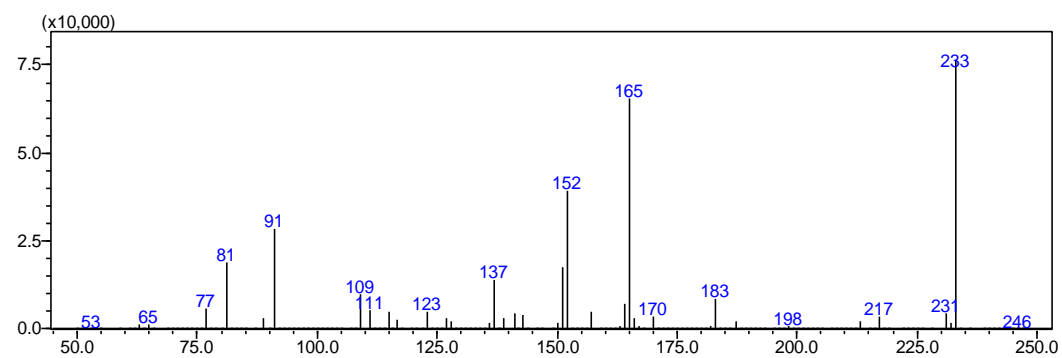
结构式:



Q3 scan



Product ion scan (m/z 233)



150. 氟硅唑代谢物

化合物信息

结构式:

CAS#:

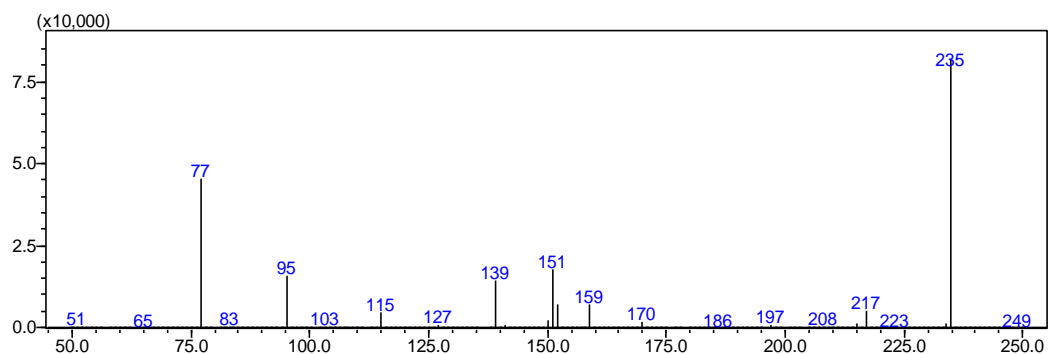
英文名称: Flusilazole metabolite

MW:

分子式:

Q3 scan

Product ion scan (m/z 235)



151. 纹桔胺

化合物信息

结构式:

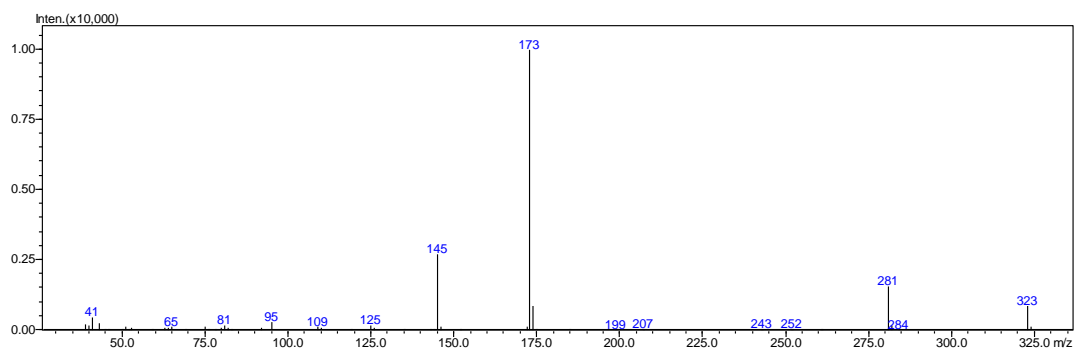
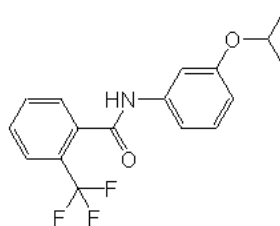
CAS#: 66332-96-5

英文名称: Flutolanil

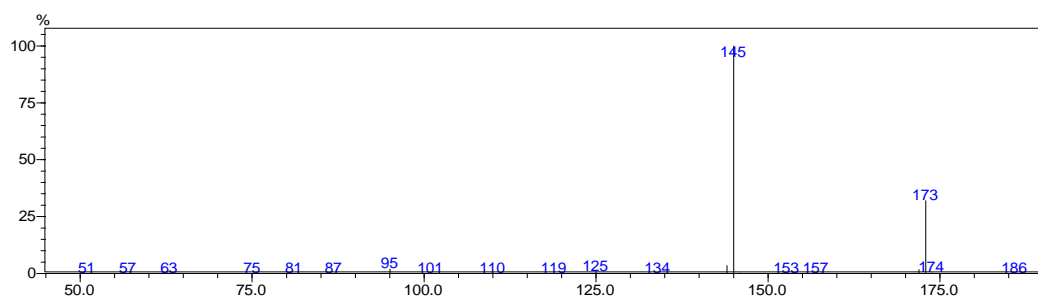
MW: 323

分子式: $C_{17}H_{16}F_3NO_2$

Q3 scan



Product ion scan (m/z 173)



152. 粉唑醇

化合物信息

CAS#: 76674-21-0

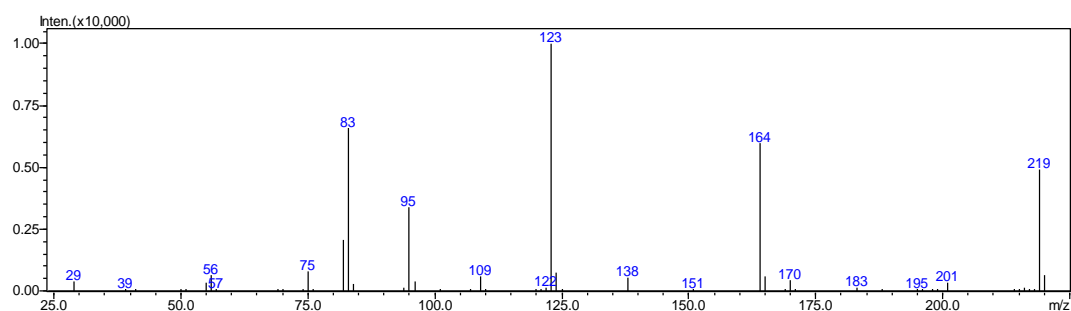
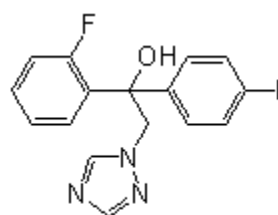
英文名称: Flutriafol

MW: 201

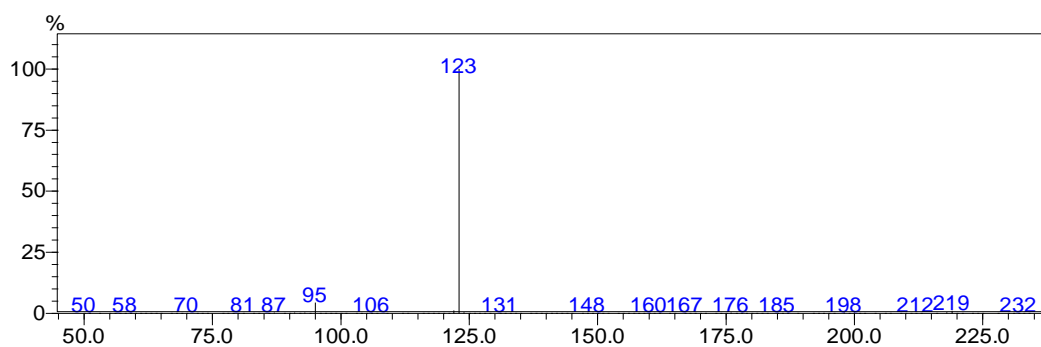
分子式: $C_{16}H_{13}F_2N_3O$

Q3 scan

结构式:



Product ion scan (m/z 219)



153. 氟氰胺菊酯

化合物信息

CAS#: 69409-94-5

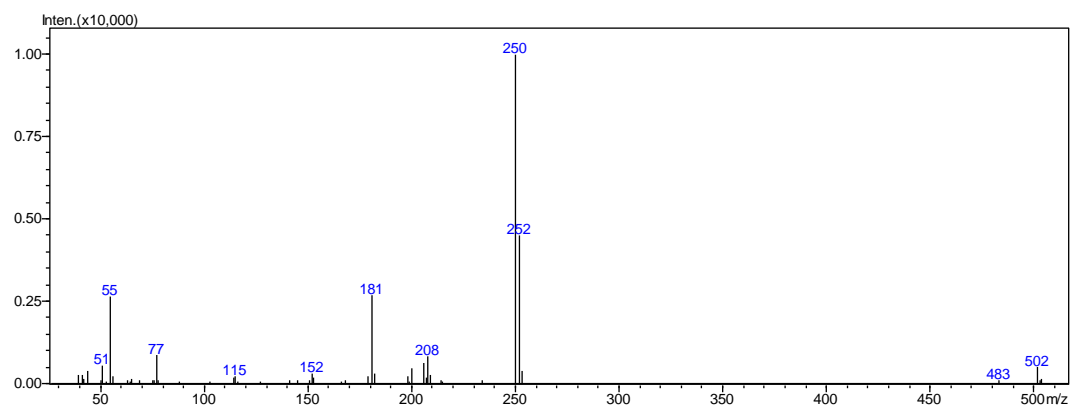
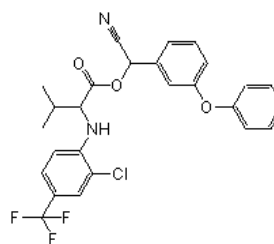
英文名称: Fluvalinate

MW: 502

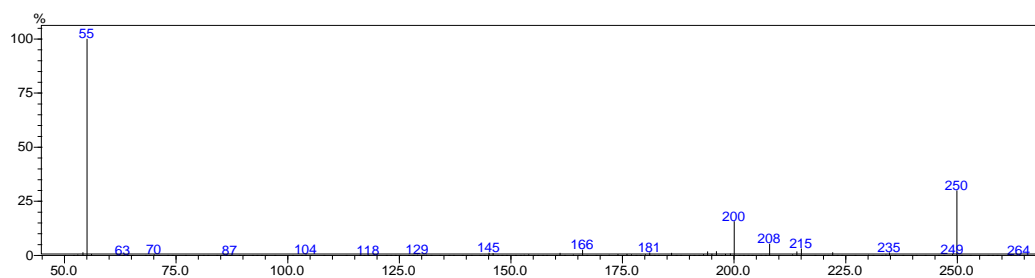
分子式: $C_{26}H_{22}ClF_3N_2O_3$

Q3 scan

结构式:



Product ion scan (m/z 250)



154. 灭菌丹

化合物信息

CAS#: 133-07-3

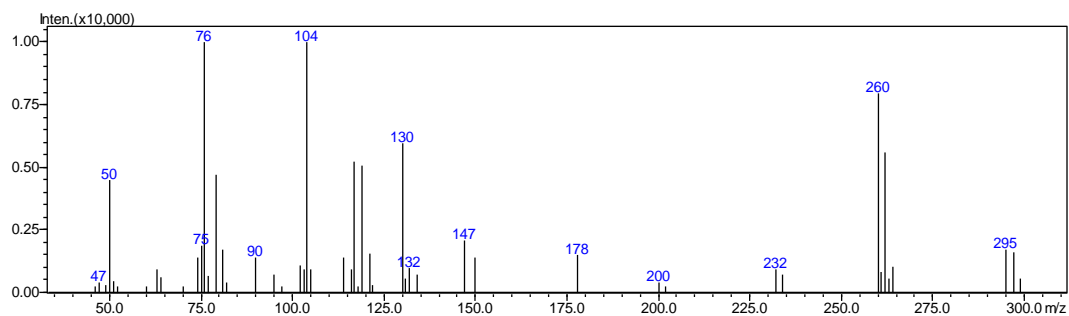
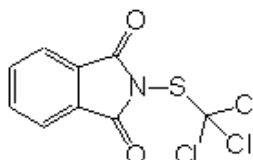
英文名称: Folpet

MW: 295

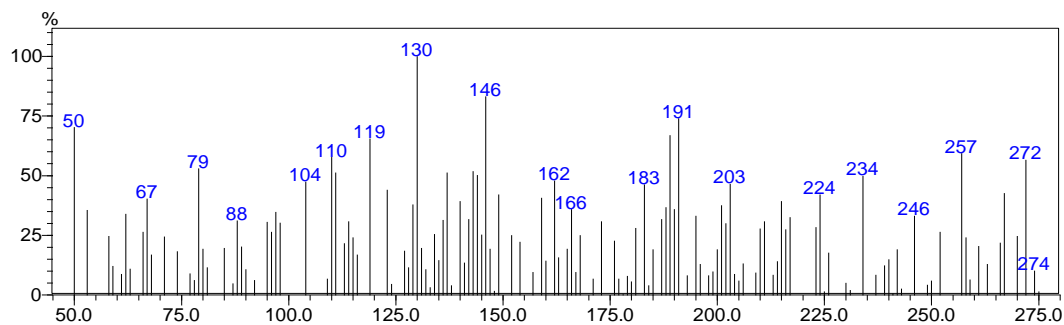
分子式: $C_9H_4Cl_3NO_2S$

Q3 scan

结构式:



Product ion scan (m/z 260)



155. 地虫硫磷

化合物信息

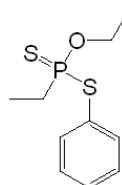
CAS#: 944-22-9

英文名称: Fonofos

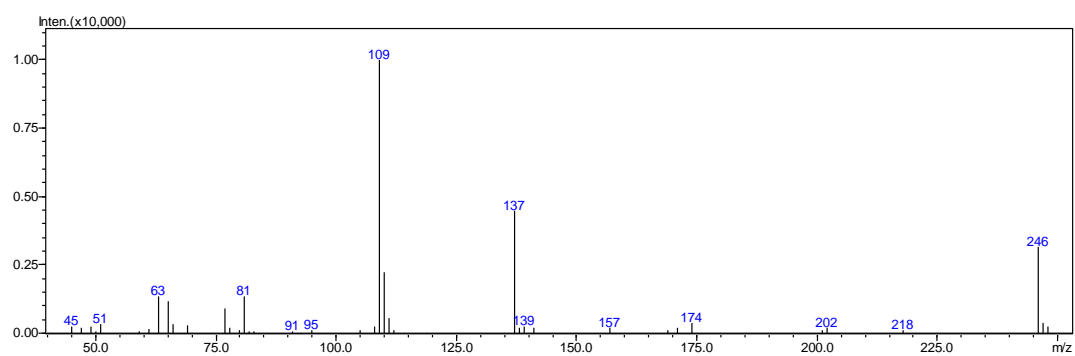
MW: 246

分子式: $C_{10}H_{15}OPS_2$

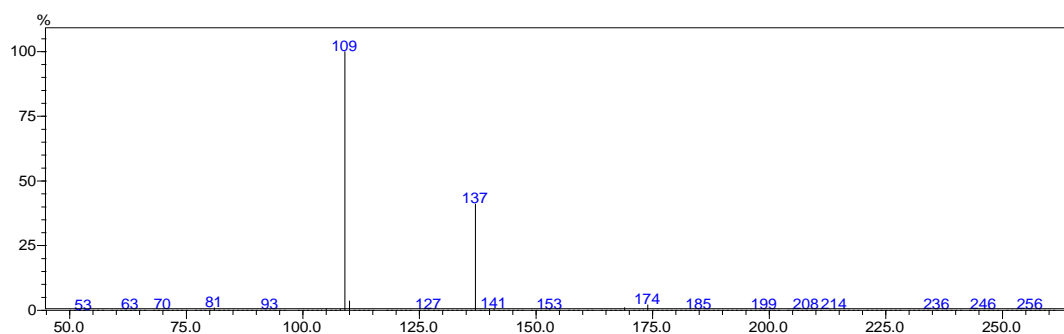
结构式:



Q3 scan



Product ion scan (m/z 246)



156. 安果磷

化合物信息

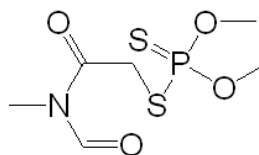
CAS#: 2540-82-1

英文名称: Formothion

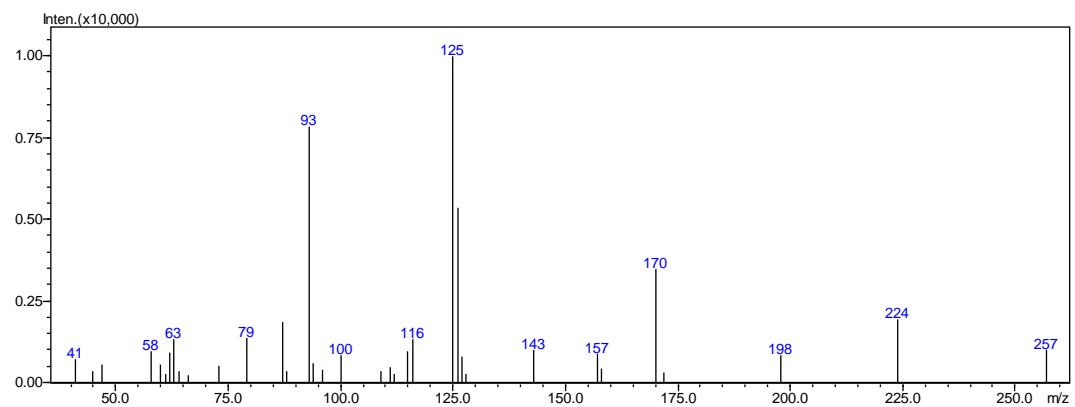
MW: 257

分子式: $C_6H_{12}INO_4PS_2$

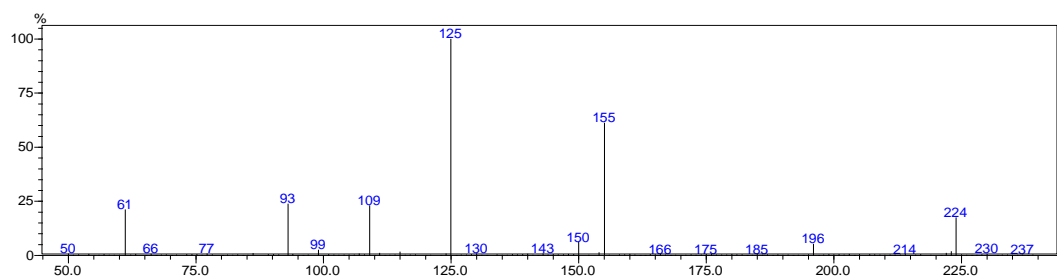
结构式:



Q3 scan



Product ion scan (m/z 224)



157. 噻唑磷

化合物信息

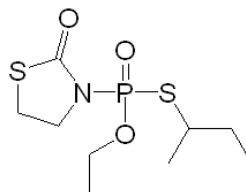
CAS#: 98886-44-3

英文名称: Fosthiazate

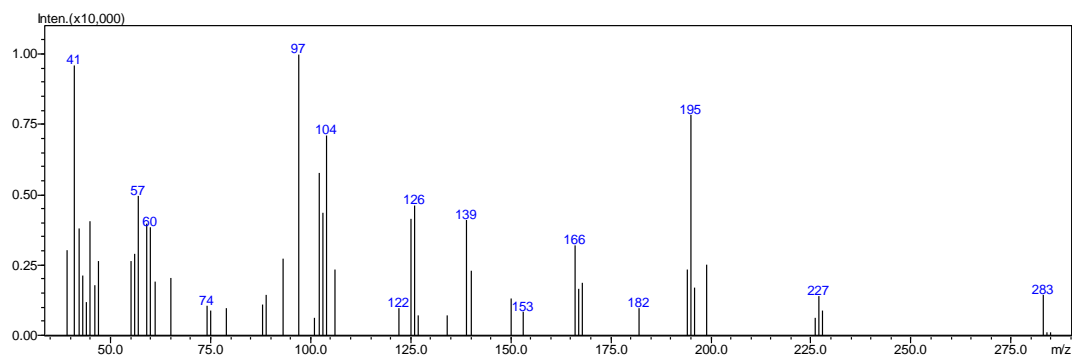
MW: 283

分子式: $C_9H_{18}NO_3PS$

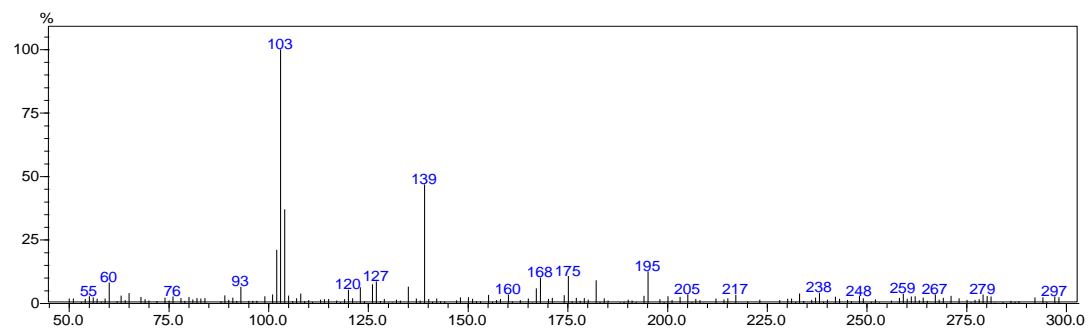
结构式:



Q3 scan



Product ion scan (m/z 283)



158. 四氯苯酐

化合物信息

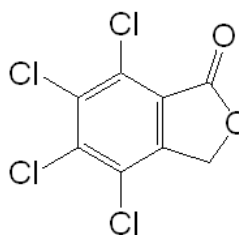
CAS#: 27355-22-2

英文名称: Phthalide

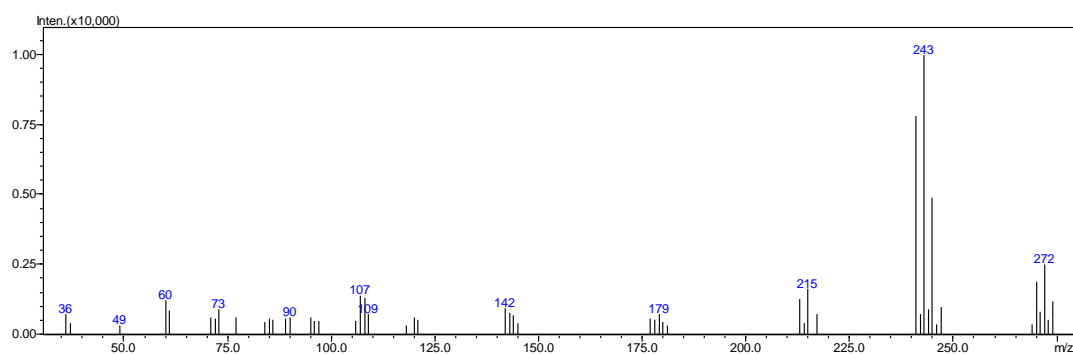
MW: 270

分子式: $C_8H_2Cl_4O_2$

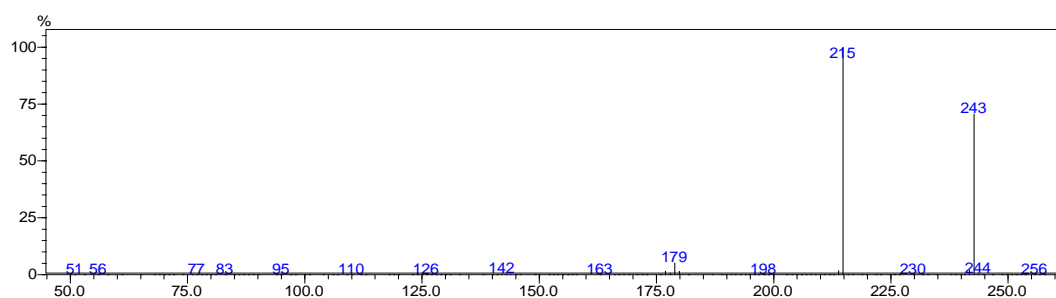
结构式:



Q3 scan



Product ion scan (m/z 243)



159. 呋吡菌胺

化合物信息

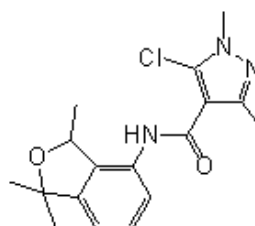
CAS#: 123572-88-3

英文名称: Furametpyr

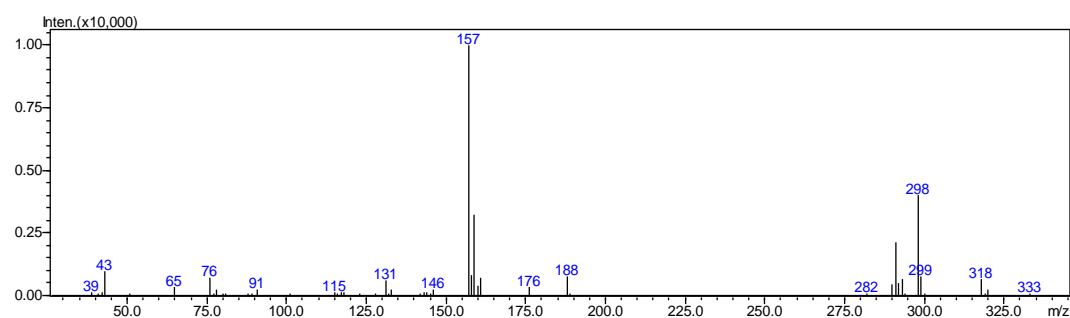
MW: 333

分子式: $C_{17}H_{20}ClN_3O_2$

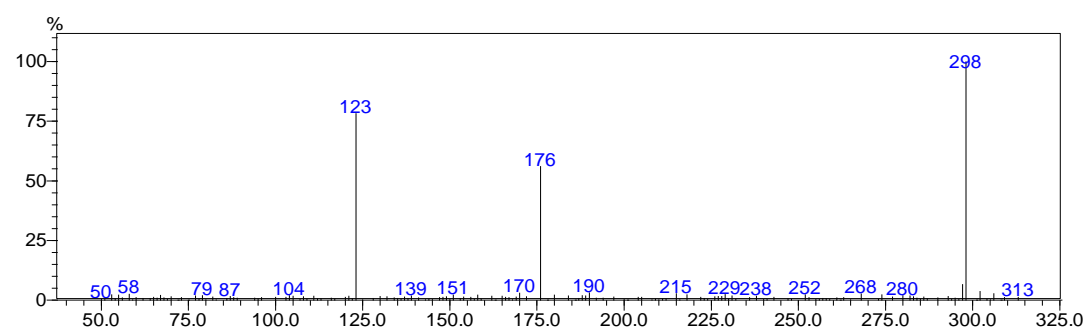
结构式:



Q3 scan



Product ion scan (m/z 298)



160. 呋吡菌胺代谢物

化合物信息

结构式:

CAS#:

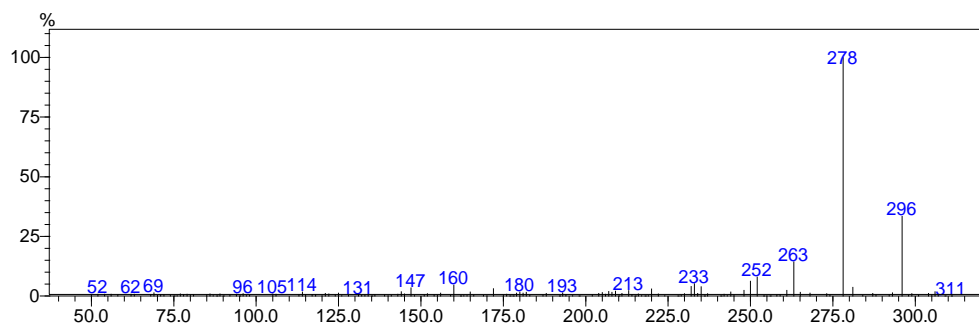
英文名称: Furametpyr metabolite

MW:

分子式:

Q3 scan

Product ion scan (m/z 296)



161. 解草恶唑

化合物信息

结构式:

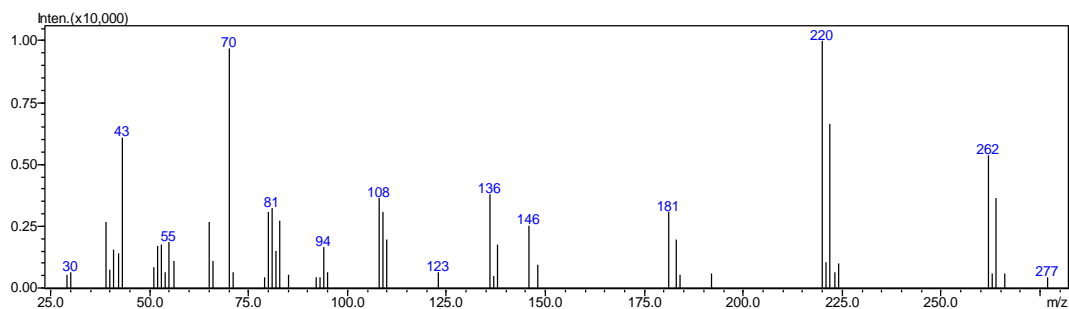
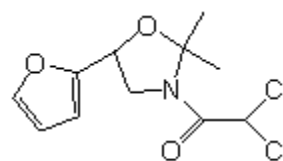
CAS#:121776-33-8

英文名称: Furilazole

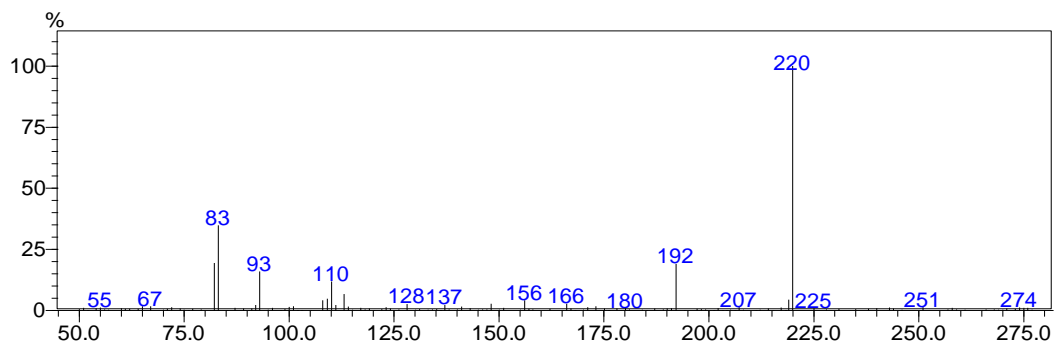
MW: 277

分子式: $C_{11}H_{13}Cl_2NO_3$

Q3 scan



Product ion scan (m/z 262)



162. γ -六六六/林丹

化合物信息

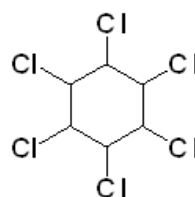
CAS#: 58-89-9

英文名称: γ -BHC

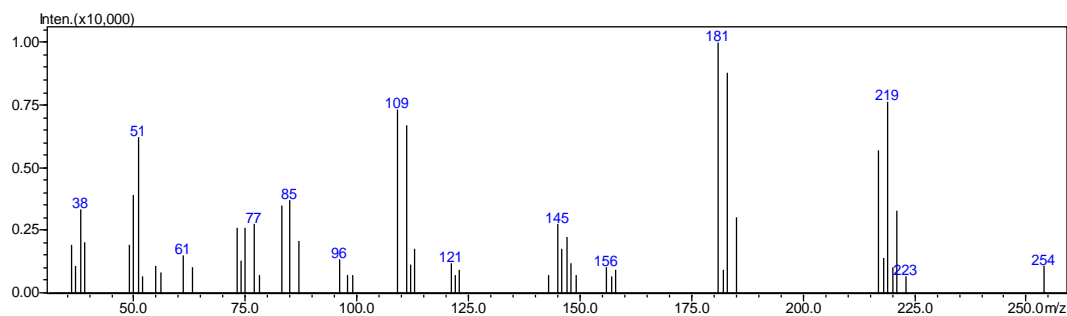
MW: 288

分子式: $C_6H_6Cl_6$

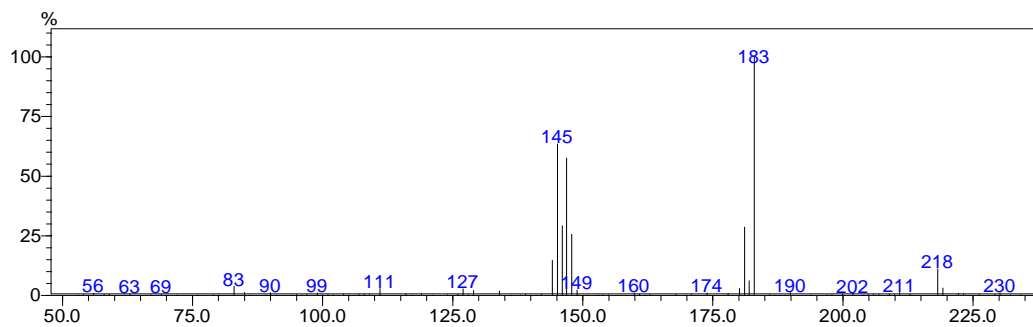
结构式:



Q3 scan



Product ion scan (m/z 219)



163. 苯螨醚

化合物信息

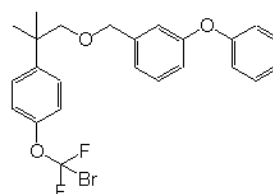
CAS#: 111872-58-3

英文名称: Halfenprox

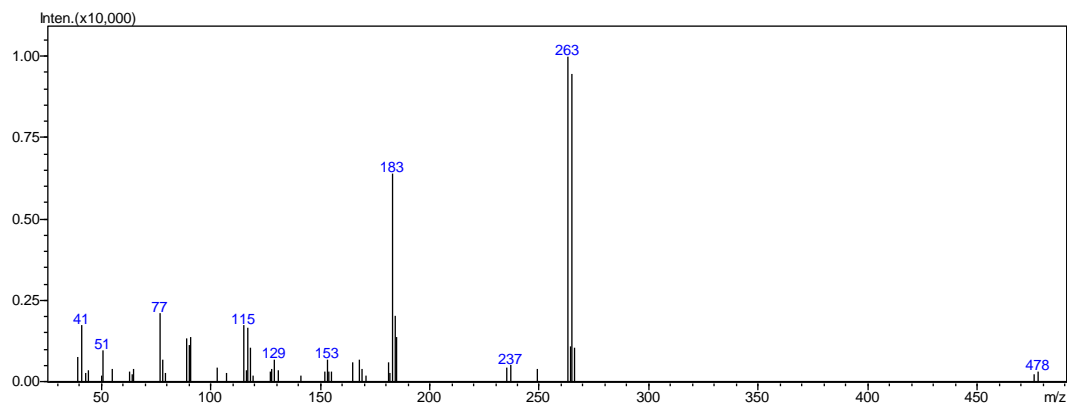
MW: 476

分子式: $C_{24}H_{23}BrF_2O_3$

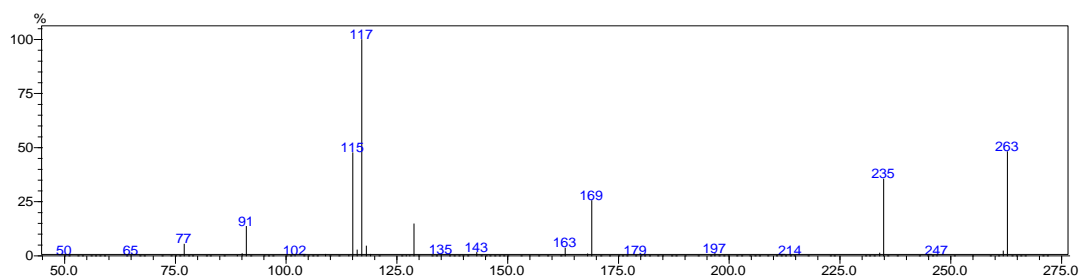
结构式:



Q3 scan



Product ion scan (m/z 263)



164. 己唑醇

化合物信息

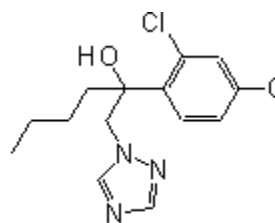
结构式:

CAS#:79983-71-4

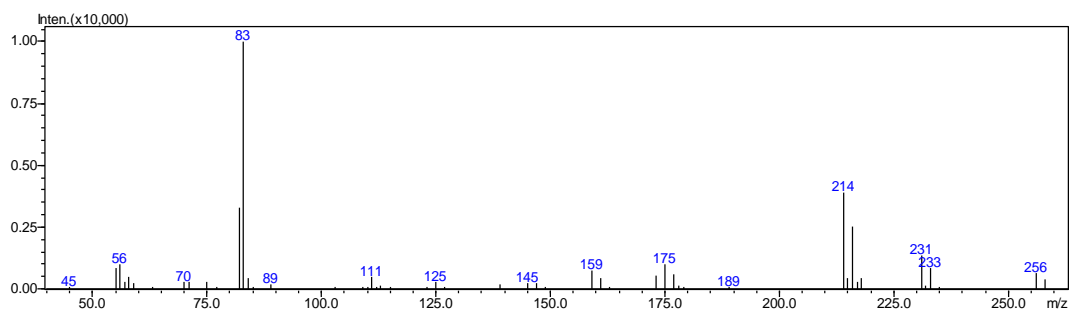
英文名称: Hexaconazole

MW: 313

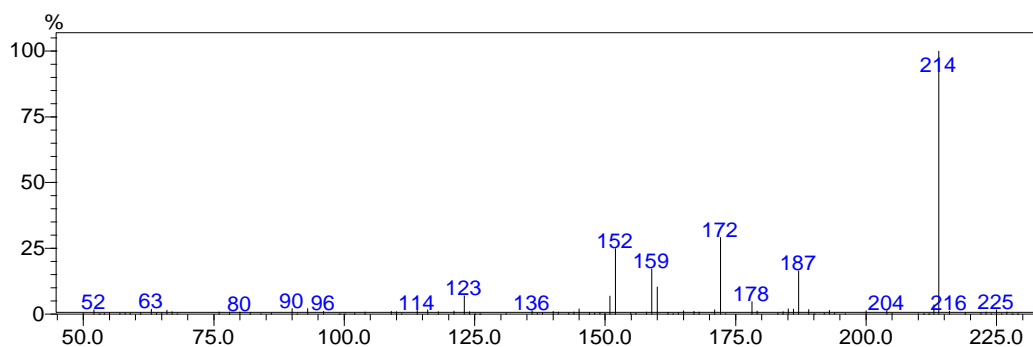
分子式: $C_{14}H_{17}Cl_2N_3O$



Q3 scan



Product ion scan (m/z 214)



165. 环嗪酮

化合物信息

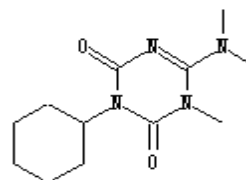
结构式:

CAS#:51235-04-2

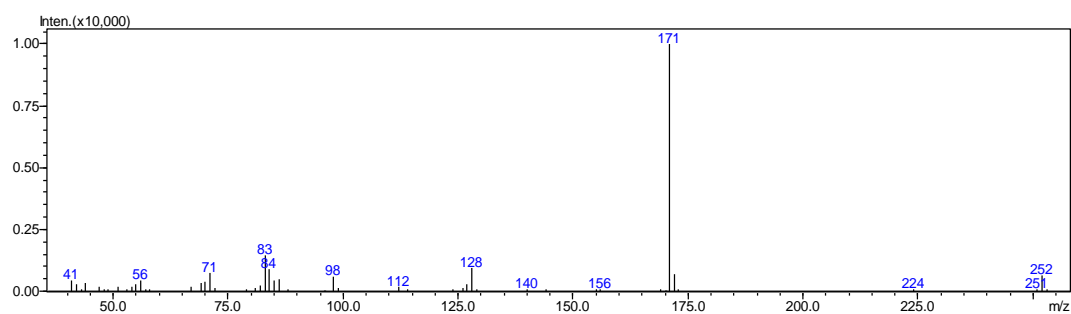
英文名称: Hexazinone

MW: 171

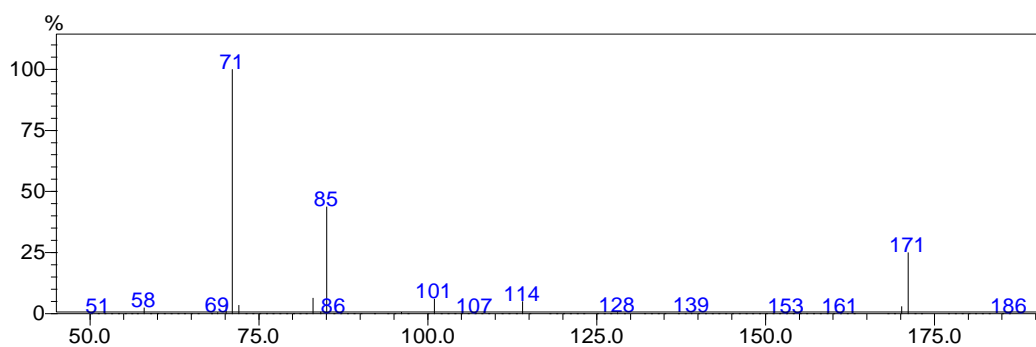
分子式: $C_{12}H_{20}N_4O_2$



Q3 scan



Product ion scan (m/z 171)



166. 甲基咪草酯

化合物信息

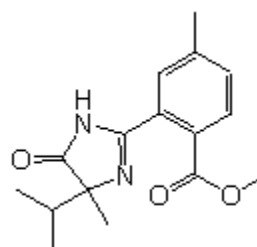
结构式:

CAS#:81405-85-8

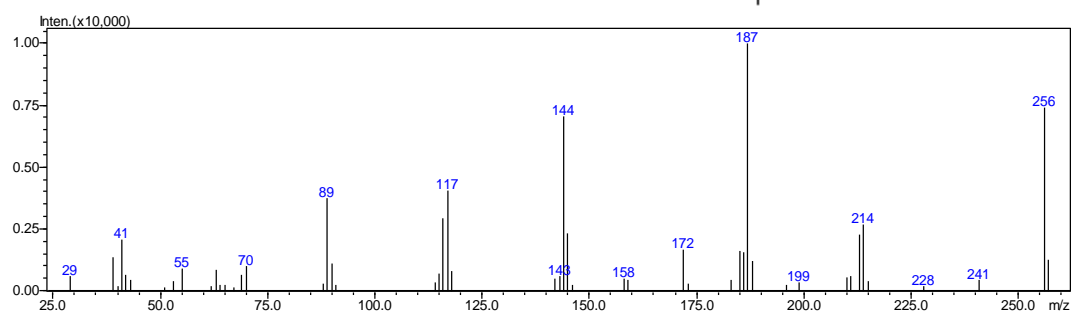
英文名称: Imazamethabenz-methyl

MW: 288

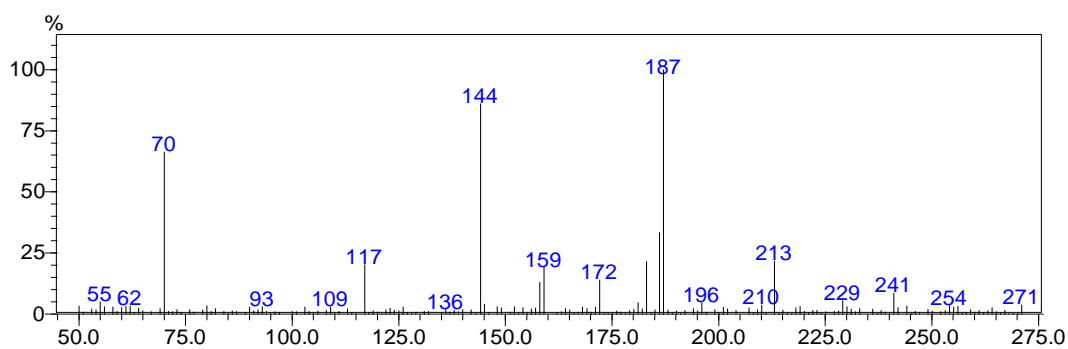
分子式: $C_{16}H_{20}N_2O_3$



Q3 scan



Product ion scan (m/z 256)



167. 酰胺唑-脱苯甲基

化合物信息

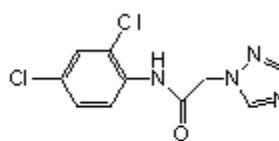
CAS#:154221-27-9

英文名称: Imibenconazole-debenzyl

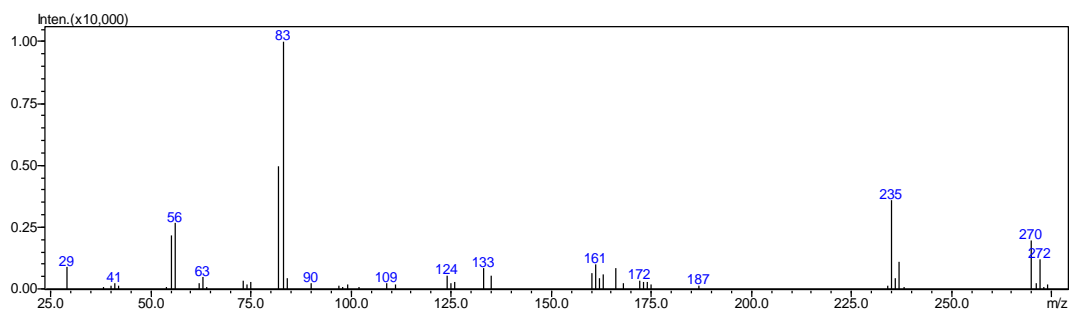
MW: 270

分子式: $C_{10}H_8Cl_2N_4O$

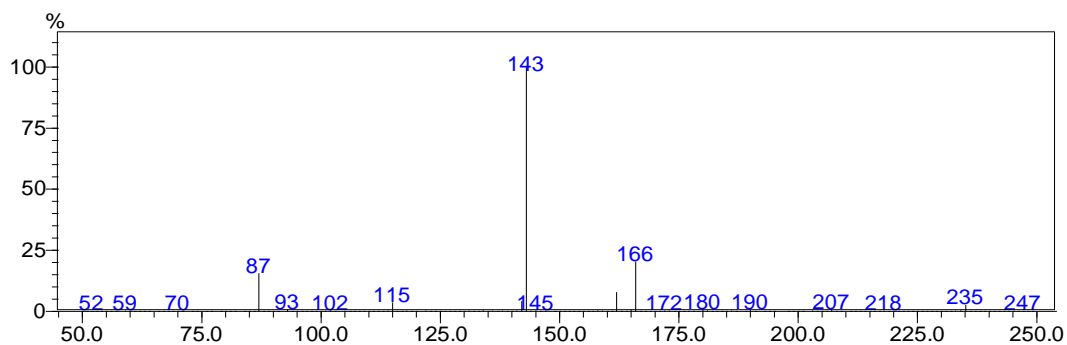
结构式:



Q3 scan



Product ion scan (m/z 235)



168. 酰胺唑

化合物信息

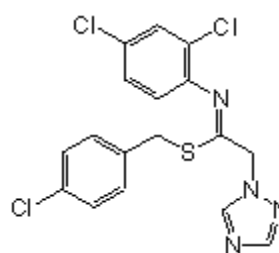
CAS#:86598-92-7

英文名称: Imibenconazole

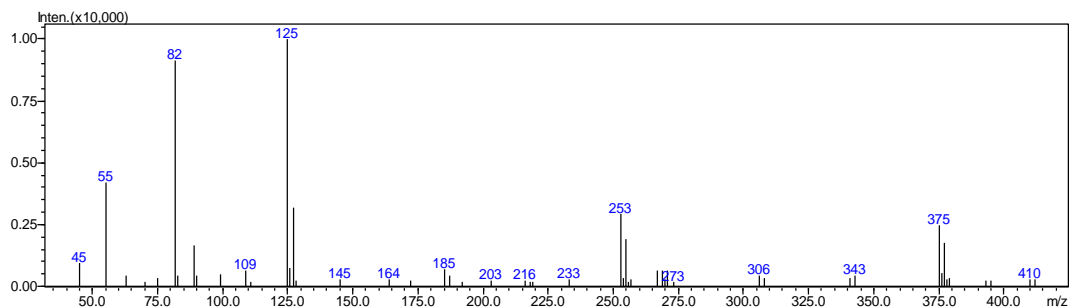
MW: 410

分子式: $C_{17}H_{13}Cl_3N_4S$

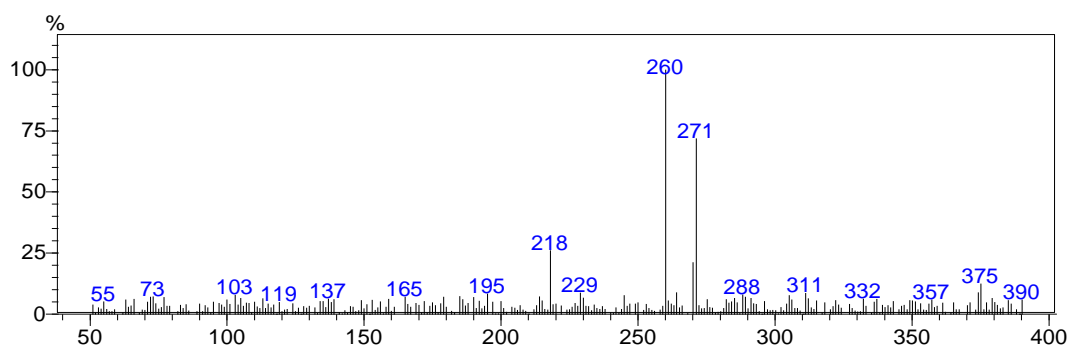
结构式:



Q3 scan



Product ion scan (m/z 375)



169. 茚虫威

化合物信息

CAS#: 144171-61-9

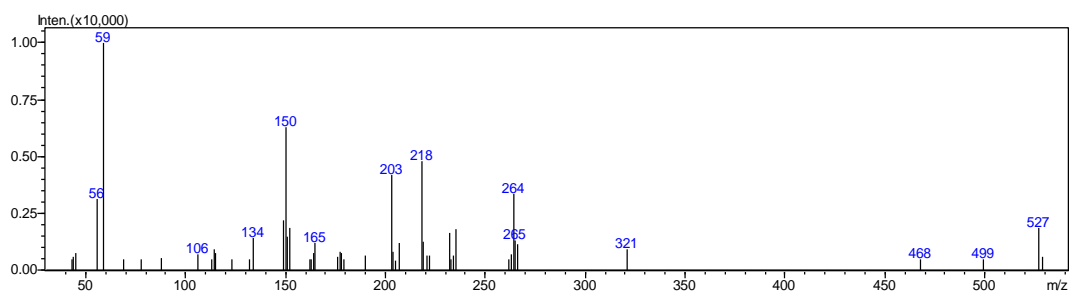
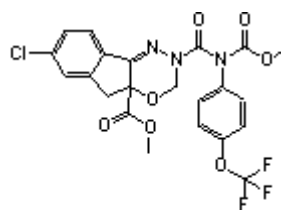
英文名称: Indoxacarb

MW: 527

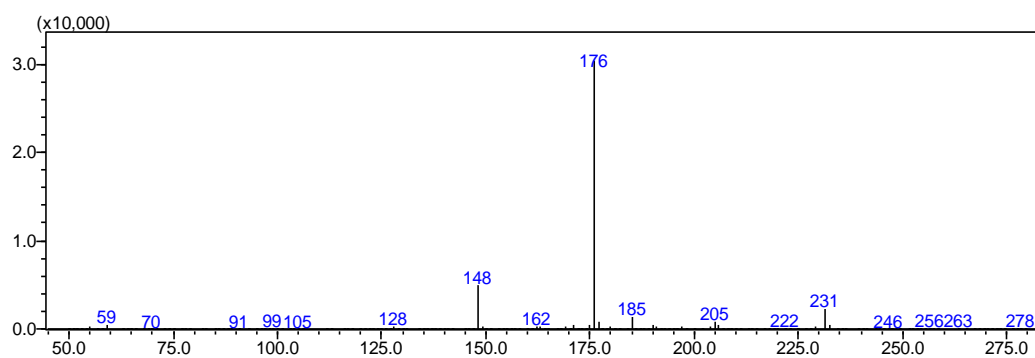
分子式: $C_{22}H_{17}ClF_3N_3O_7$

Q3 scan

结构式:



Product ion scan (m/z 264)



170. 异菌脲

化合物信息

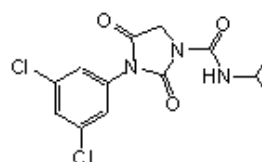
CAS#: 36734-19-7

英文名称: Iprodione

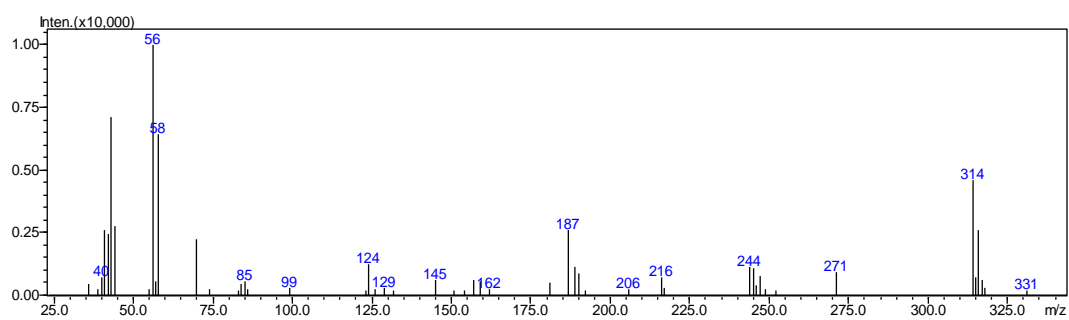
MW: 329

分子式: $C_{13}H_{13}Cl_2N_3O_3$

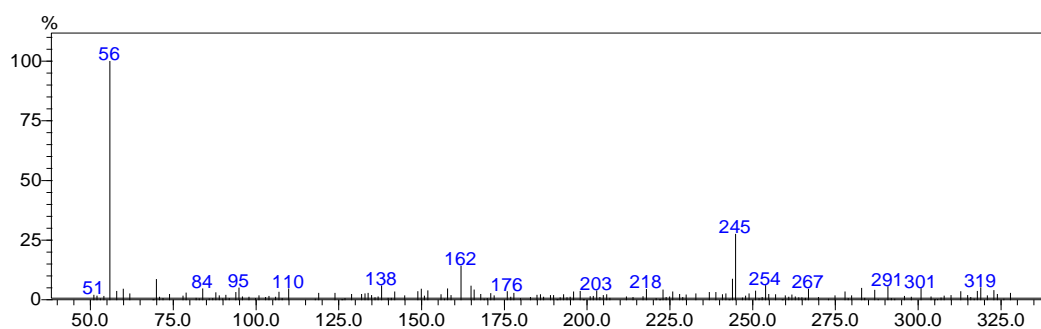
结构式:



Q3 scan



Product ion scan (m/z 314)



171. 异菌脲代谢物

化合物信息

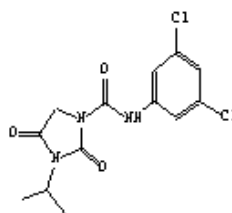
结构式:

CAS#: 63637-89-8

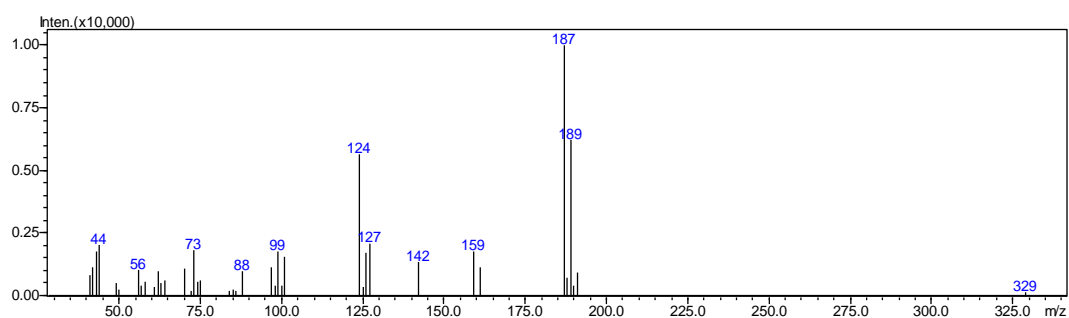
英文名称: Iprodione metabolite

MW: 329

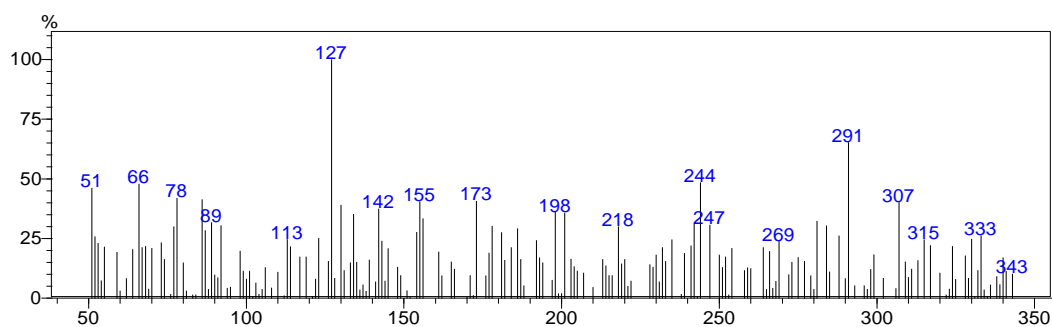
分子式: $C_{13}H_{13}Cl_2N_3O_3$



Q3 scan



Product ion scan (m/z 329)



172. 氯唑磷

化合物信息

CAS#: 42509-80-8

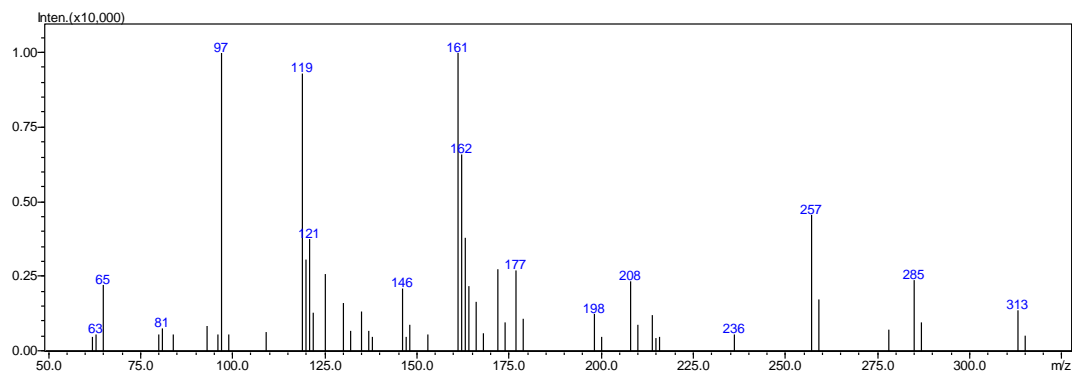
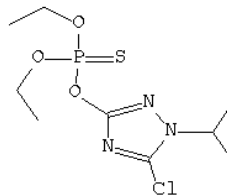
英文名称: Isazophos

MW: 313

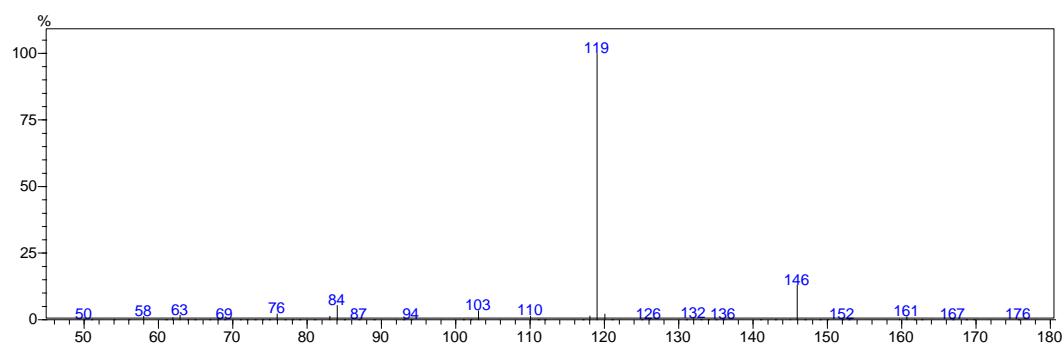
分子式: $C_9H_{17}ClN_3O_3PS$

Q3 scan

结构式:



Product ion scan (m/z 161)



173. 水胺硫磷

化合物信息

CAS#: 24353-61-5

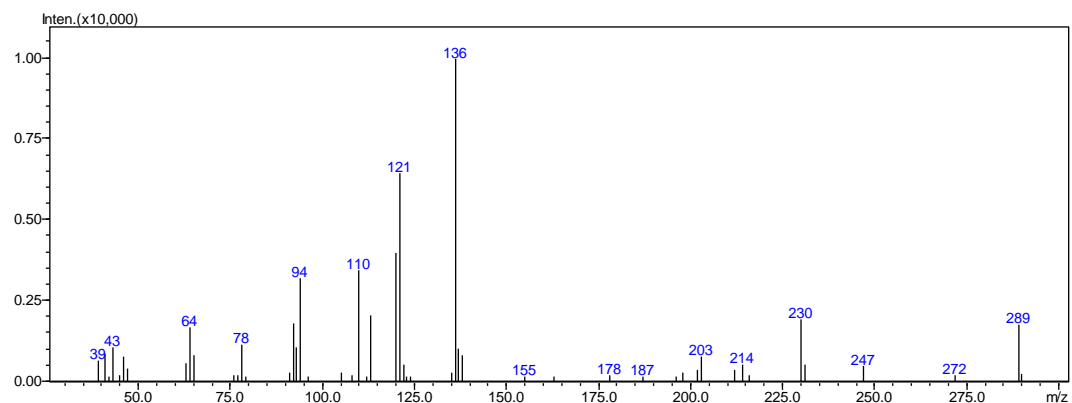
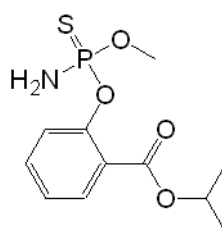
英文名称: Isocarbophos

MW: 289

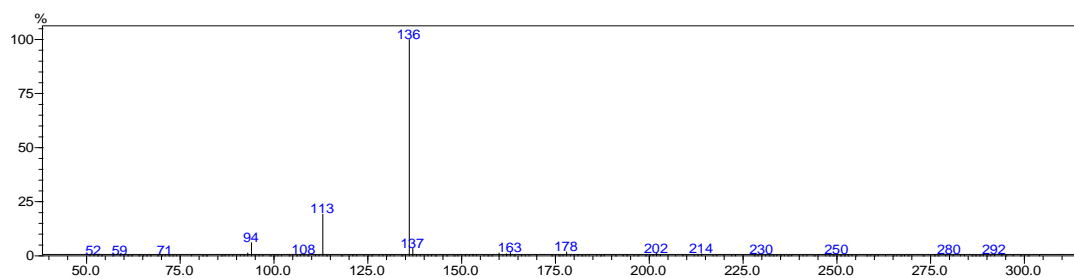
分子式: $C_{11}H_{16}NO_4PS$

Q3 scan

结构式:



Product ion scan (m/z 289)



174. 异柳磷

化合物信息

CAS#: 25311-71-1

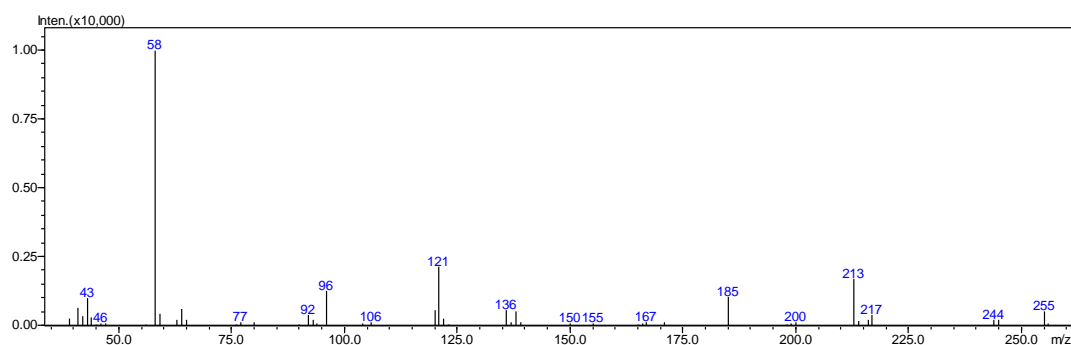
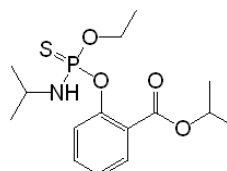
英文名称: Isufenphos

MW: 345

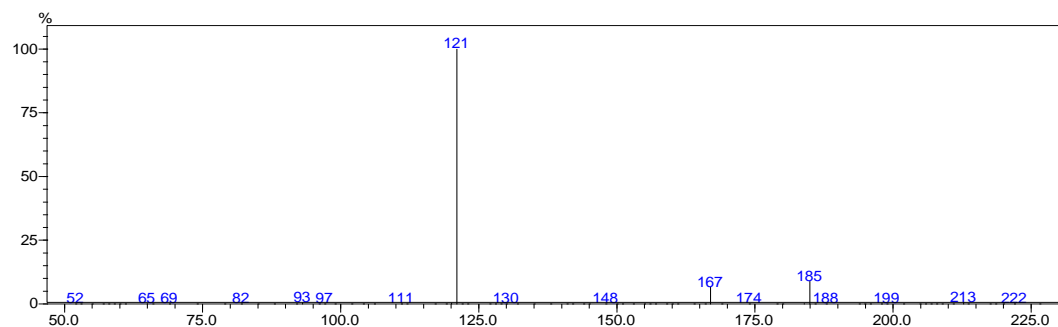
分子式: $C_{15}H_{24}NO_4PS$

Q3 scan

结构式:



Product ion scan (m/z 213)



175. 甲基异柳磷

化合物信息

CAS#: 99675-03-3

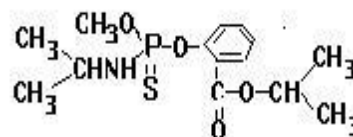
英文名称: Isufenphos methyl

MW: 331

分子式: $C_{14}H_{22}NO_4PS$

Q3 scan

结构式:



Product ion scan (m/z 241)

176. 牛津郡异柳磷

化合物信息

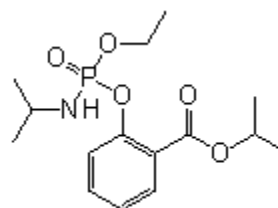
CAS#:31120-85-1

英文名称: Isopenphos oxon

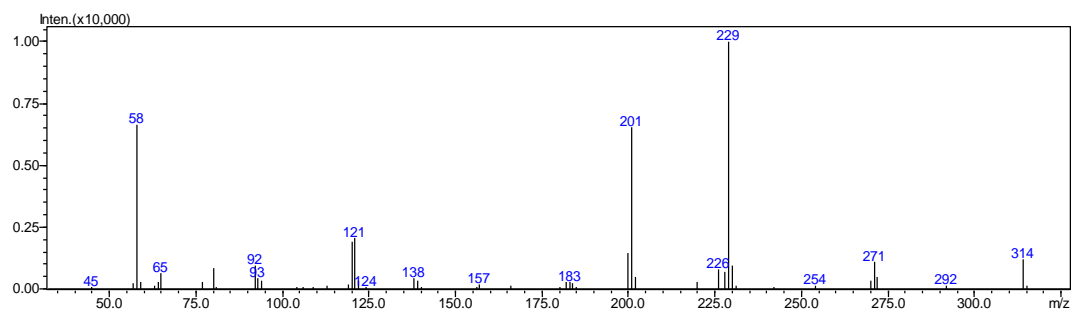
MW: 329

分子式: $C_{15}H_{24}NO_5P$

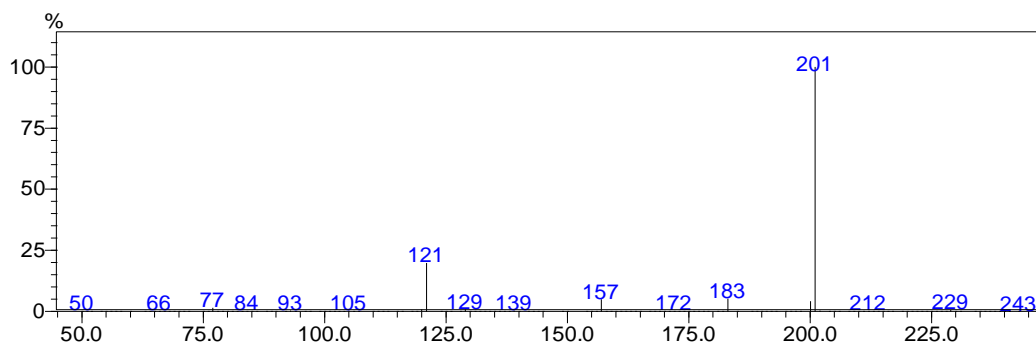
结构式:



Q3 scan



Product ion scan (m/z 229)



177. 异丙威

化合物信息

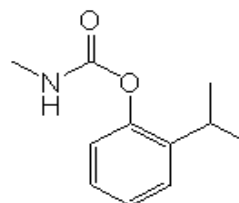
CAS#:2631-40-5

英文名称: Isoprocarb

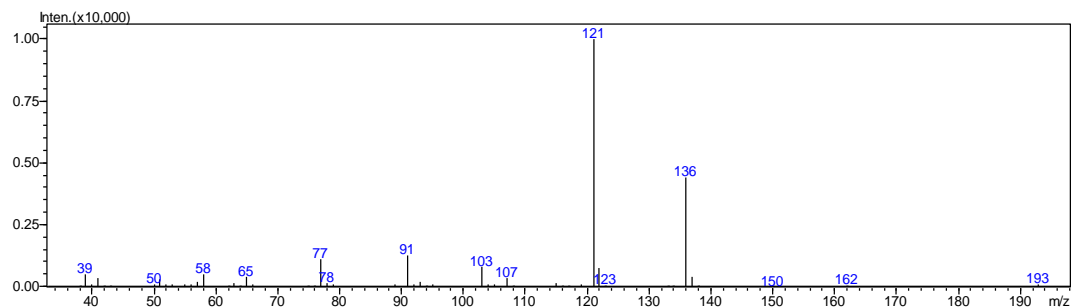
MW: 193

分子式: $C_{11}H_{15}NO_2$

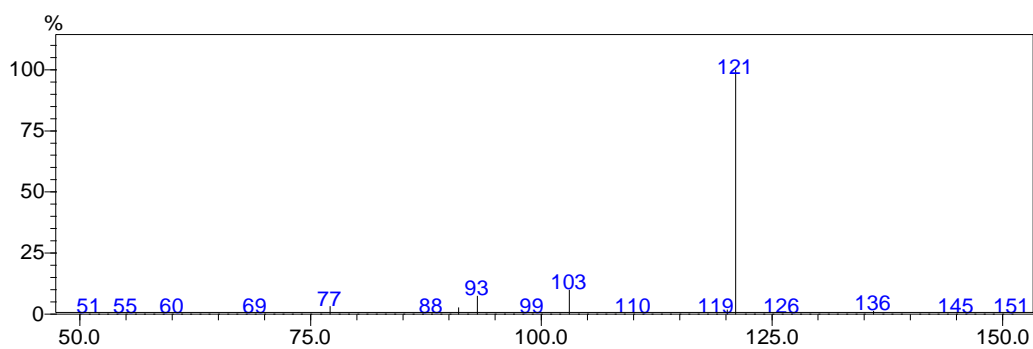
结构式:



Q3 scan



Product ion scan (m/z 136)



178. 稻瘟灵

化合物信息

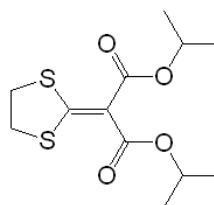
CAS#: 50512-35-1

英文名称: Isoprothiolane

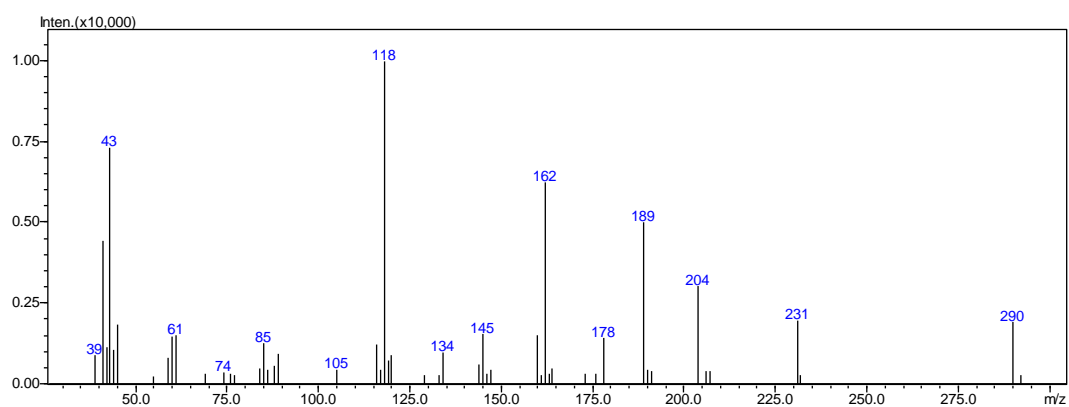
MW: 290

分子式: C₁₂H₈O₄S₂

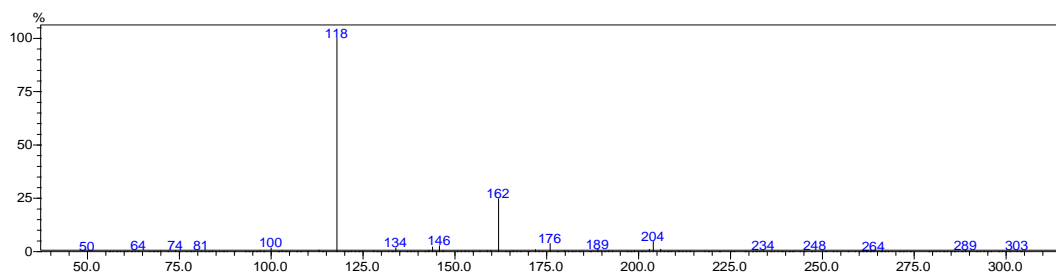
结构式:



Q3 scan



Product ion scan (m/z 290)



179. 双苯恶唑酸乙酯

化合物信息

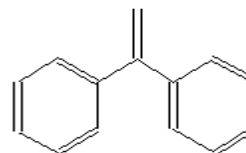
CAS#:530 - 48 - 3

英文名称: 1,1-diphenyl-ethylene

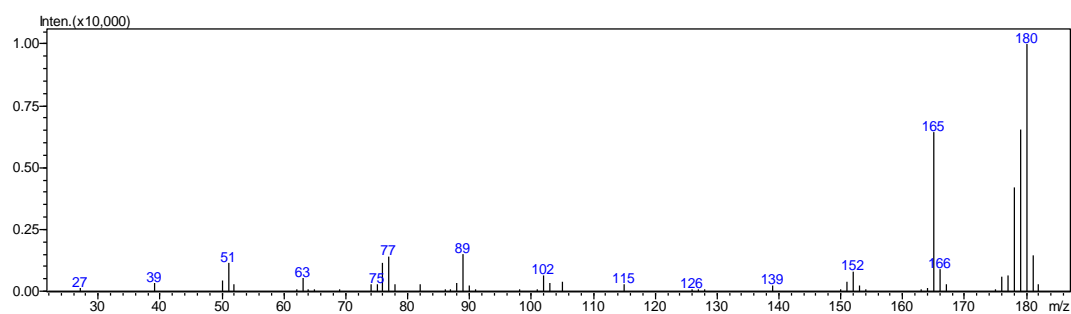
MW: 180

分子式: C₁₄H₁₂

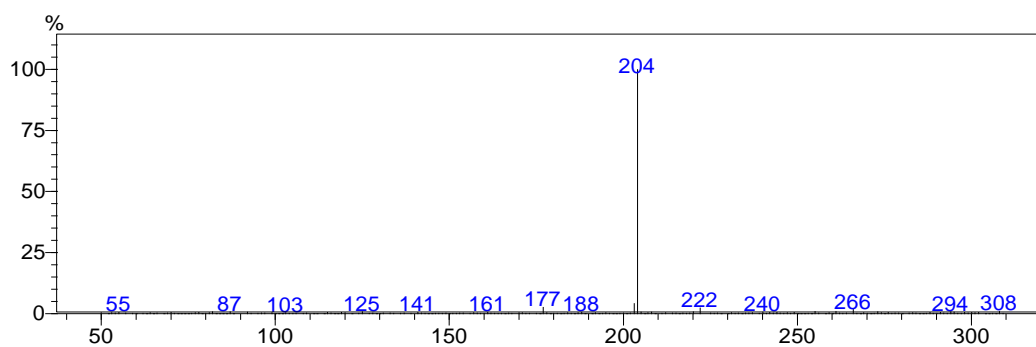
结构式:



Q3 scan



Product ion scan (m/z 294)



180. 恶唑磷

化合物信息

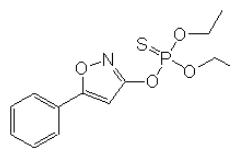
CAS#: 18854-01-8

英文名称: Isoxathion

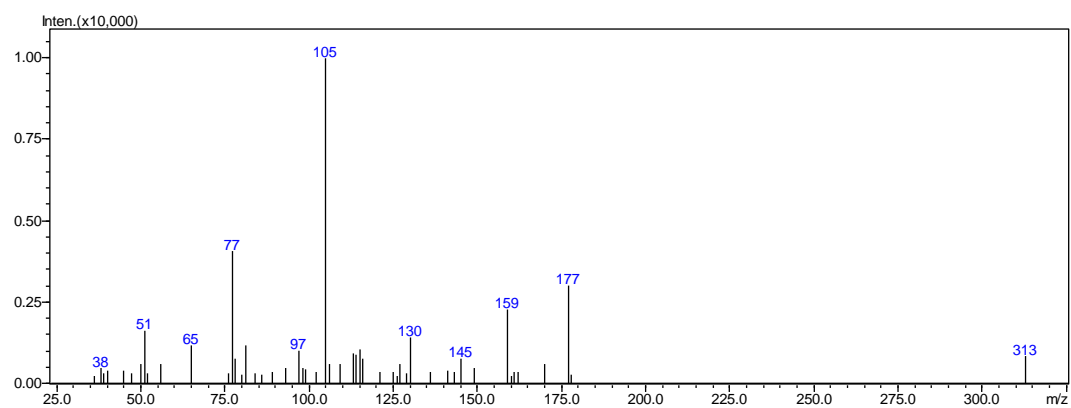
MW: 313

分子式: C₁₃H₁₆NO₄PS

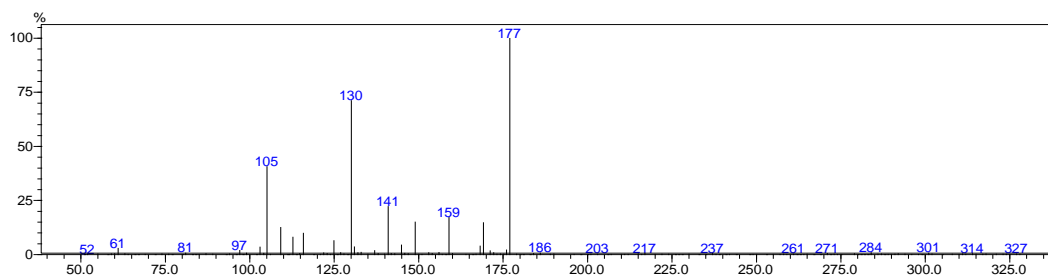
结构式:



Q3 scan



Product ion scan (m/z 313)



181. 苯氧菊酯

化合物信息

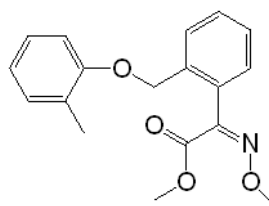
CAS#: 143390-89-0

英文名称: Kresoxim-methyl

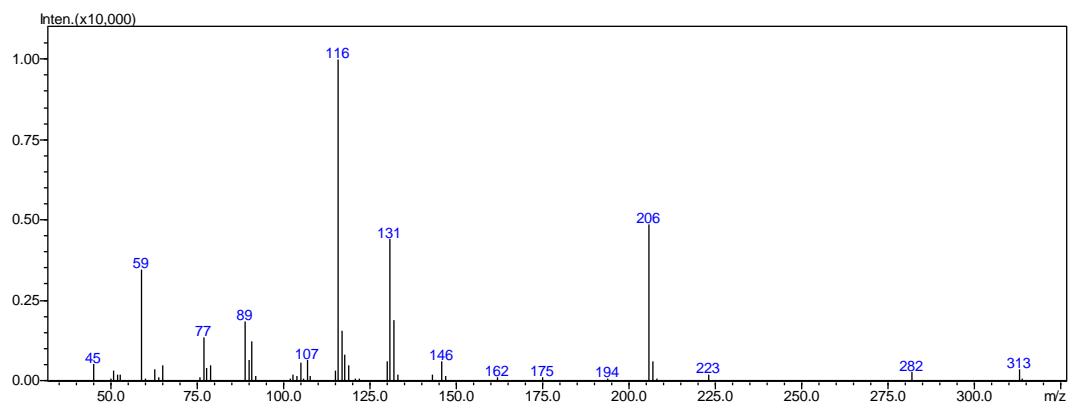
MW: 313

分子式: $C_8H_{19}NO_4$

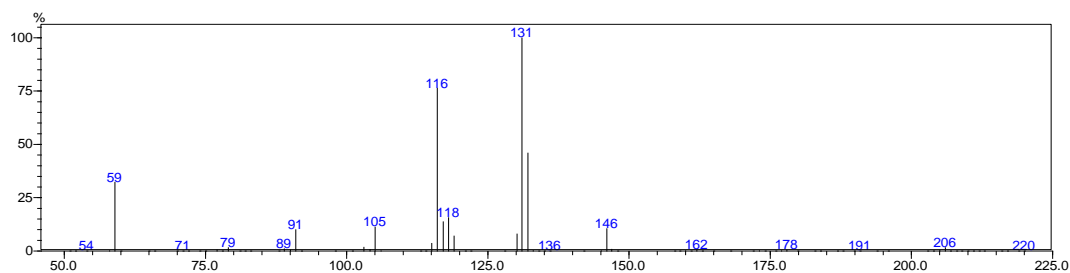
结构式:



Q3 scan



Product ion scan (m/z 206)



182. 马拉硫磷

化合物信息

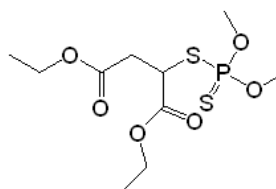
CAS#: 121-75-5

英文名称: Malathion

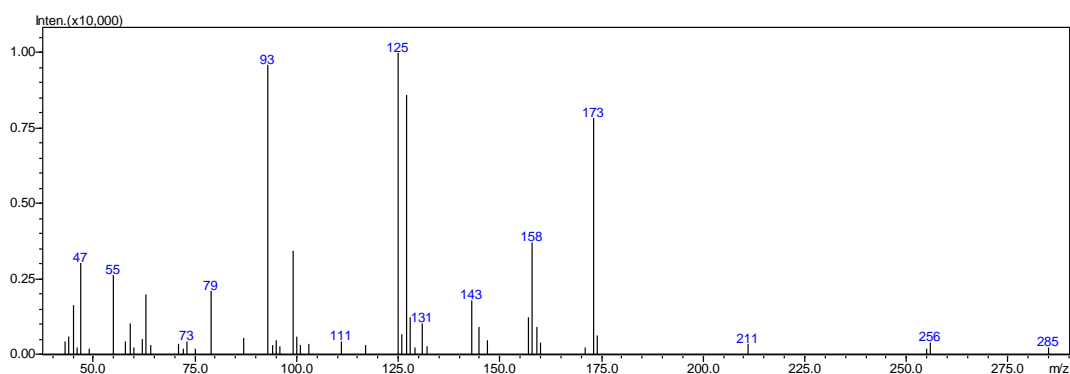
MW: 330

分子式: $C_{10}H_{19}O_6PS_2$

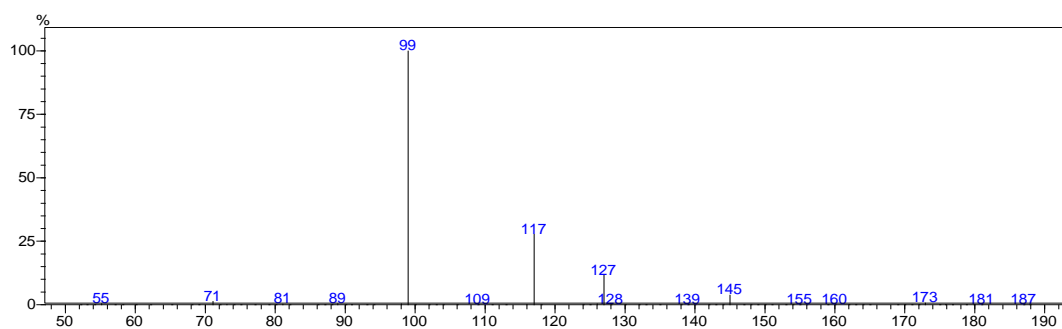
结构式:



Q3 scan



Product ion scan (m/z 173)



183. 2-甲-4-氯硫代乙酯

化合物信息

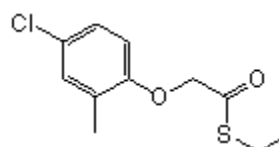
CAS#:25319-90-8

英文名称: MCPA-thioethyl

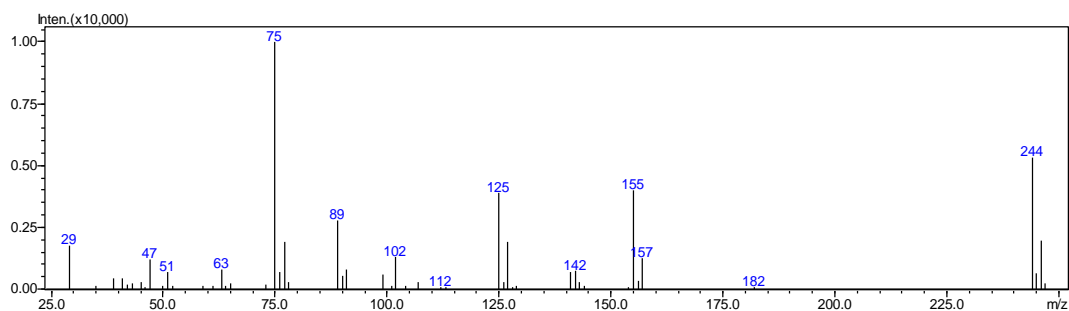
MW: 244

分子式: $C_{11}H_{13}ClO_2S$

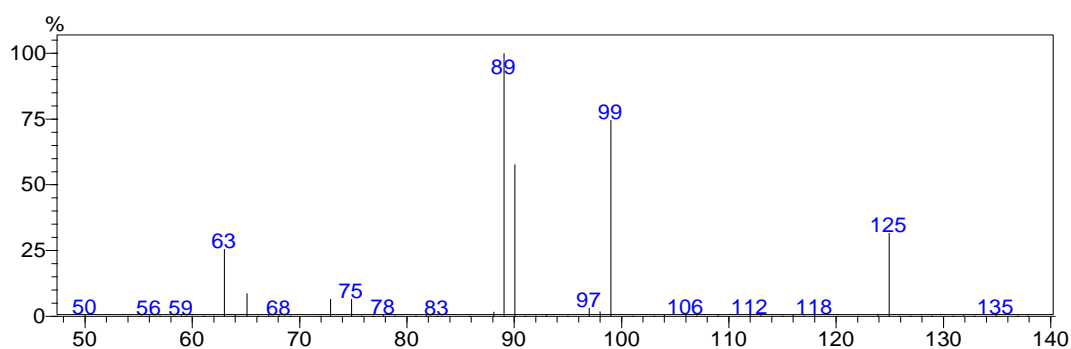
结构式:



Q3 scan



Product ion scan (m/z 125)



184. 灭蚜磷

化合物信息

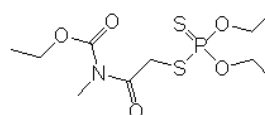
CAS#: 2595-54-2

英文名称: Mecarbam

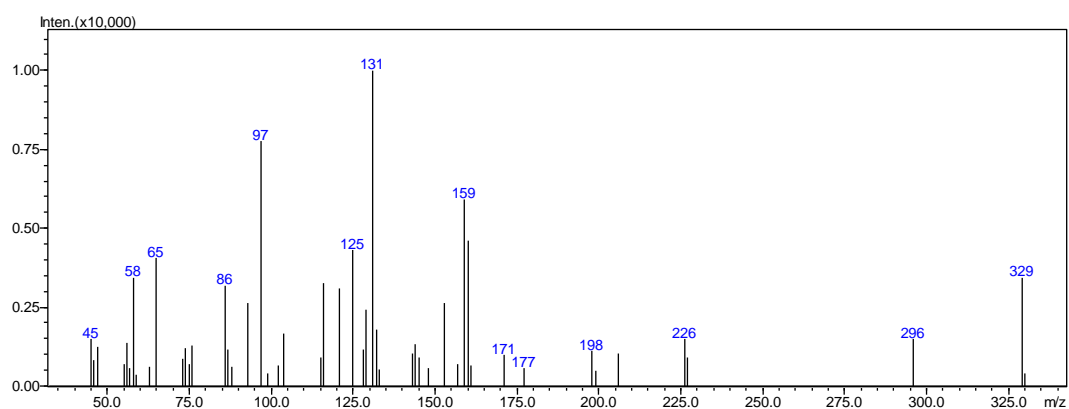
MW: 329

分子式: $C_{10}H_{20}NO_5PS_2$

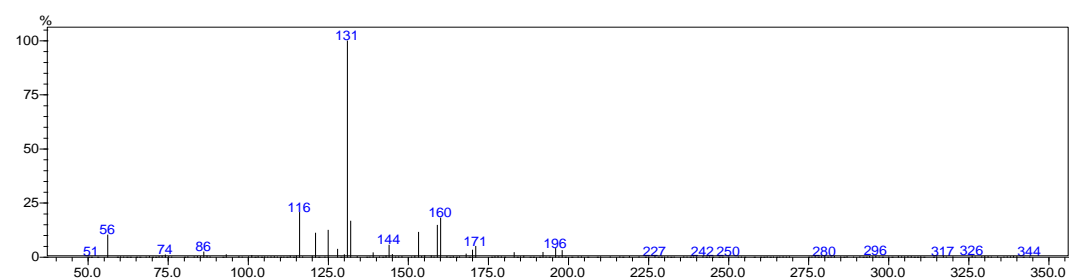
结构式:



Q3 scan



Product ion scan (m/z 329)



185. 苯噻草胺

化合物信息

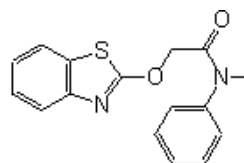
CAS#:73250-68-7

英文名称: Mefenacet

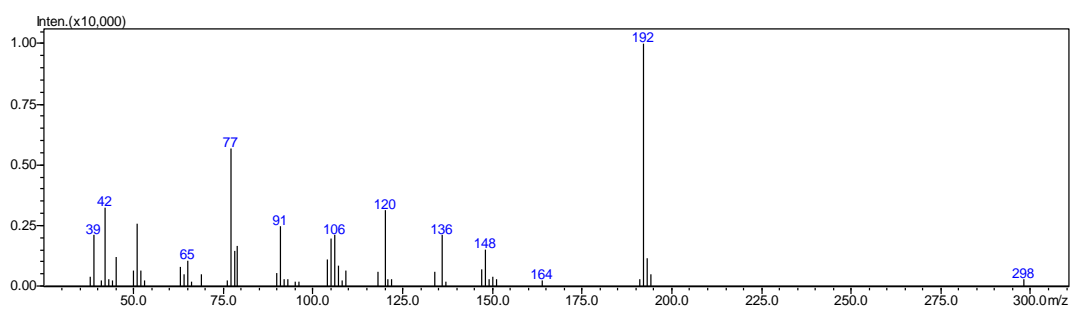
MW: 298

分子式: $C_{16}H_{14}N_2O_2S$

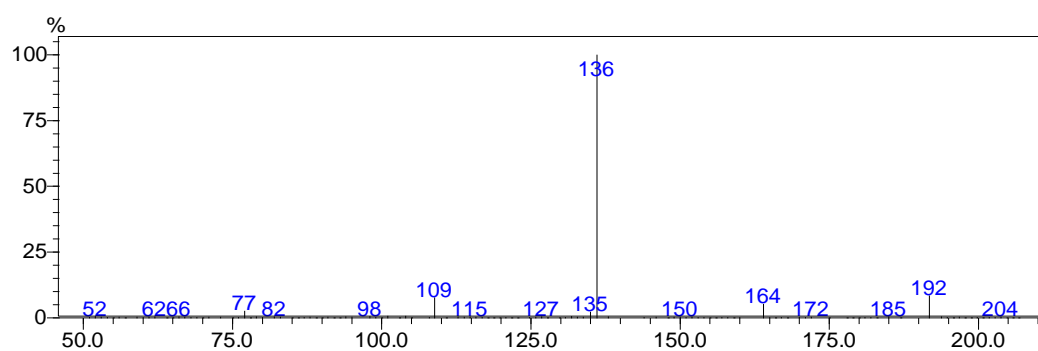
结构式:



Q3 scan



Product ion scan (m/z 192)



186. 吡唑解草酯

化合物信息

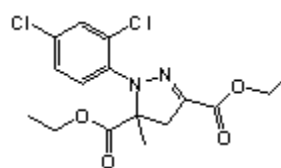
CAS#:135590-91-9

英文名称: Mefenpyr-diethyl

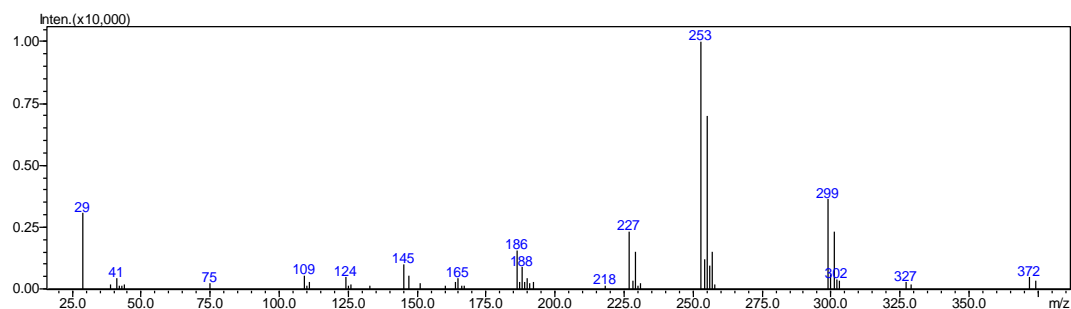
MW: 372

分子式: $C_{16}H_{18}Cl_2N_2O_4$

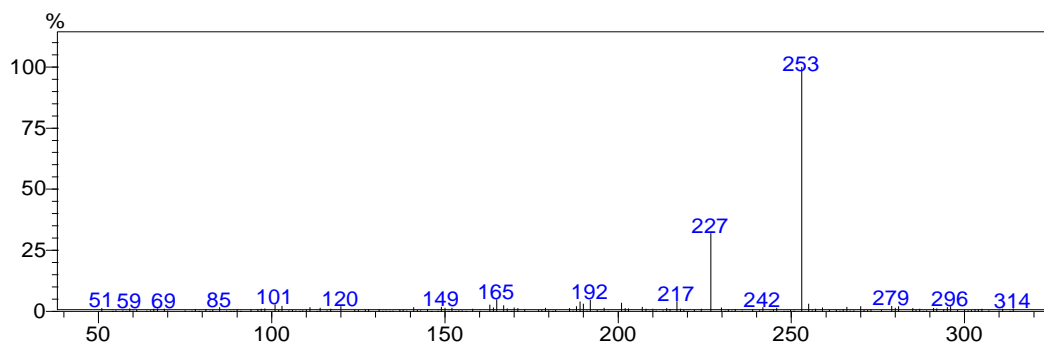
结构式:



Q3 scan



Product ion scan (m/z 299)



187. 灭锈胺

化合物信息

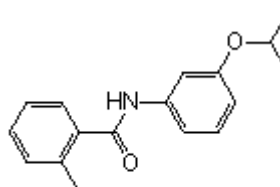
CAS#: 55814-41-0

英文名称: Mepronil

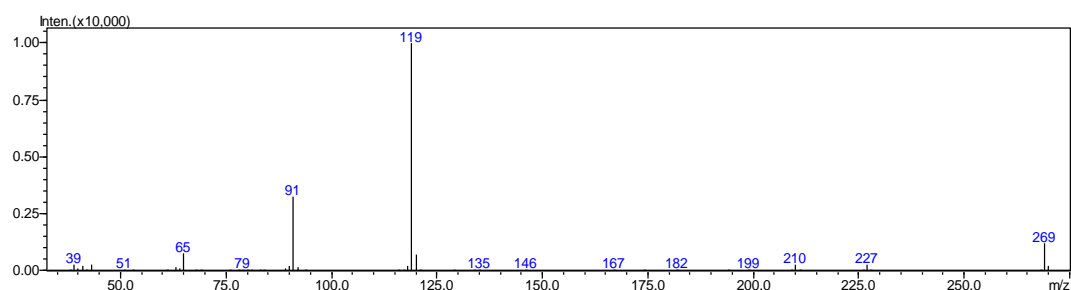
MW: 269

分子式: $C_{17}H_{19}NO_2$

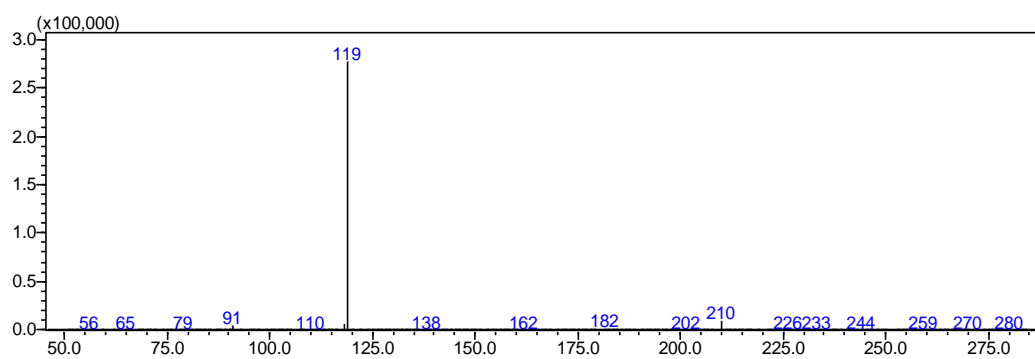
结构式:



Q3 scan



Product ion scan (m/z 269)



188. 甲霜灵

化合物信息

CAS#: 57837-19-1

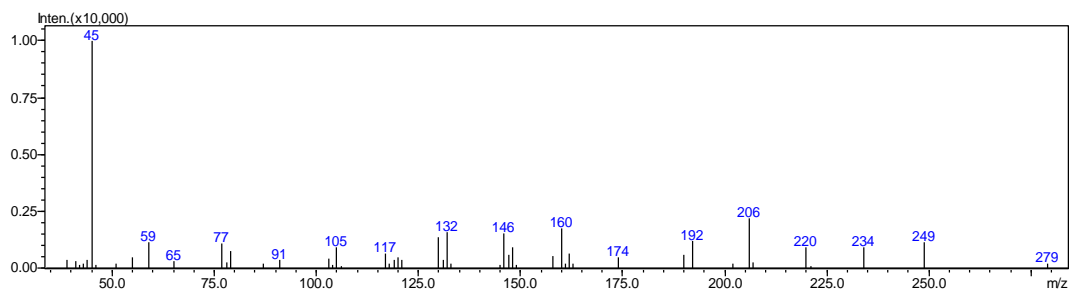
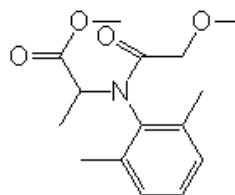
英文名称: Metalaxyl

MW: 279

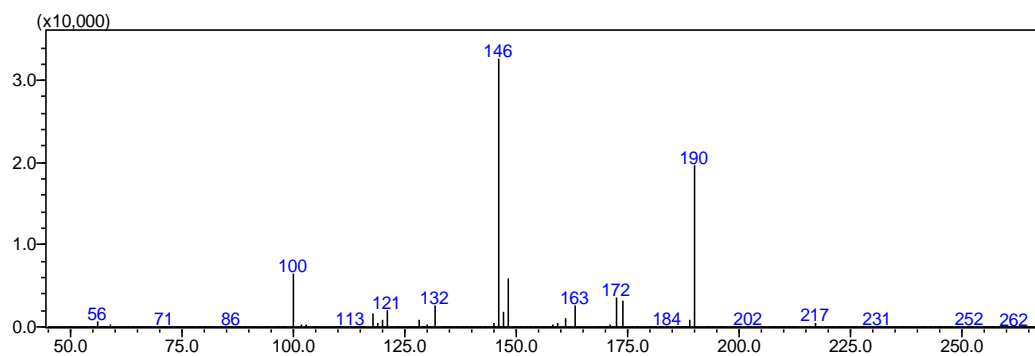
分子式: $C_{15}H_{21}NO_4$

Q3 scan

结构式:



Product ion scan (m/z 249)



189. 虫螨畏

化合物信息

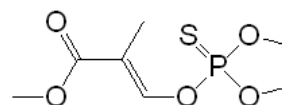
CAS#: 61620-77-9

英文名称: Methacrifos

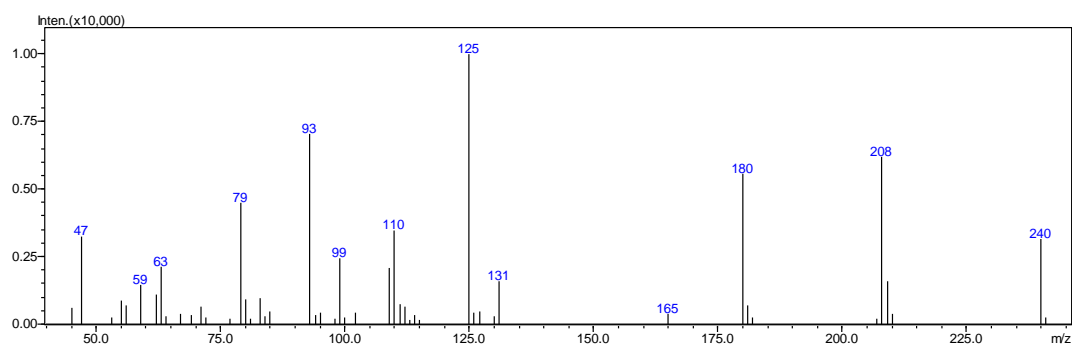
MW: 240

分子式: $C_7H_{13}O_5PS$

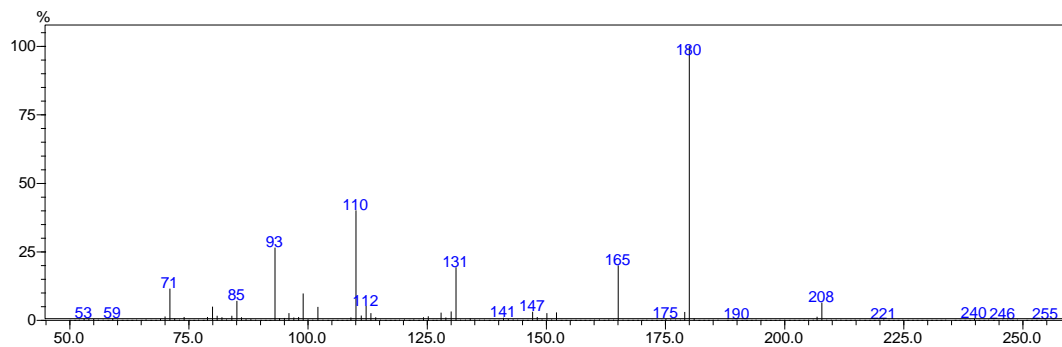
结构式:



Q3 scan



Product ion scan (m/z 240)



190. 甲胺磷

化合物信息

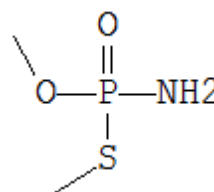
CAS#: 10265-92-6

英文名称: Methamidophos

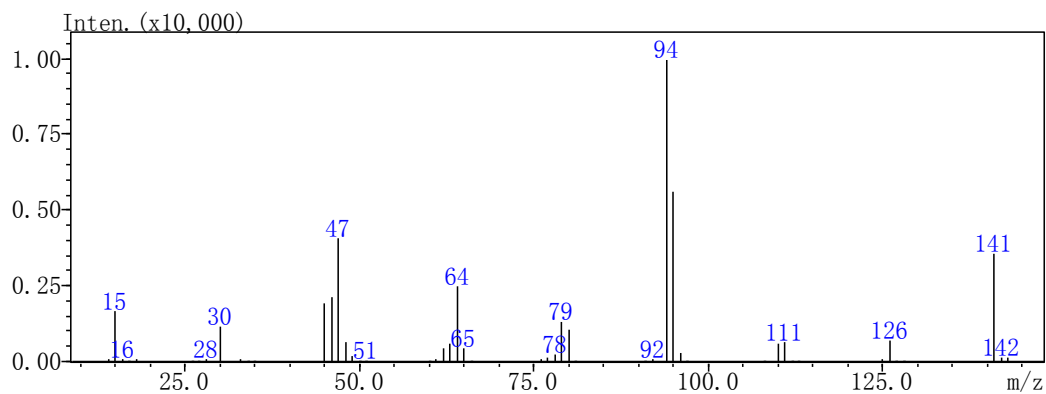
MW: 141

分子式: $C_2H_8NO_2PS$

结构式:



Q3 scan



191. 杀扑磷

化合物信息

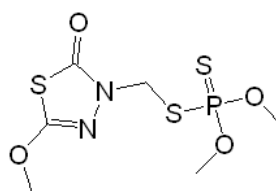
CAS#: 950-37-8

英文名称: Methidathion

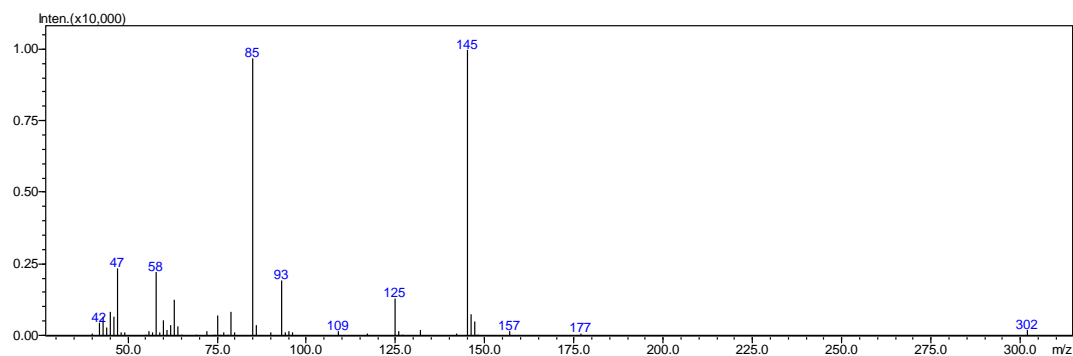
MW: 302

分子式: $C_6H_{11}N_2O_4PS$

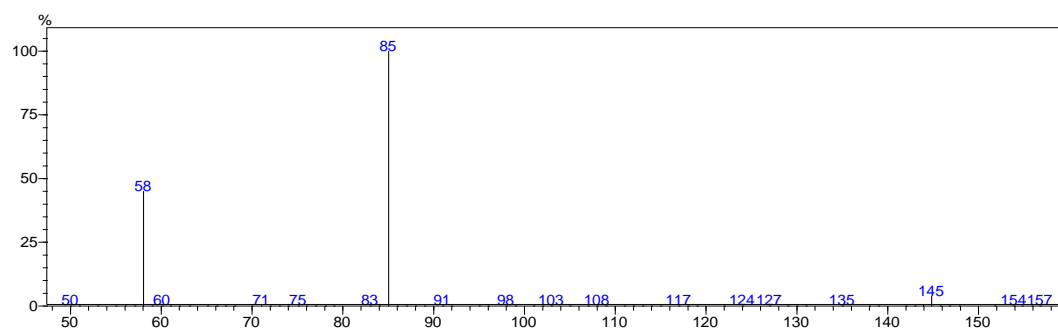
结构式:



Q3 scan



Product ion scan (m/z 145)



192. 烯虫酯

化合物信息

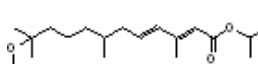
CAS#: 40596-69-8

英文名称: Methoprene

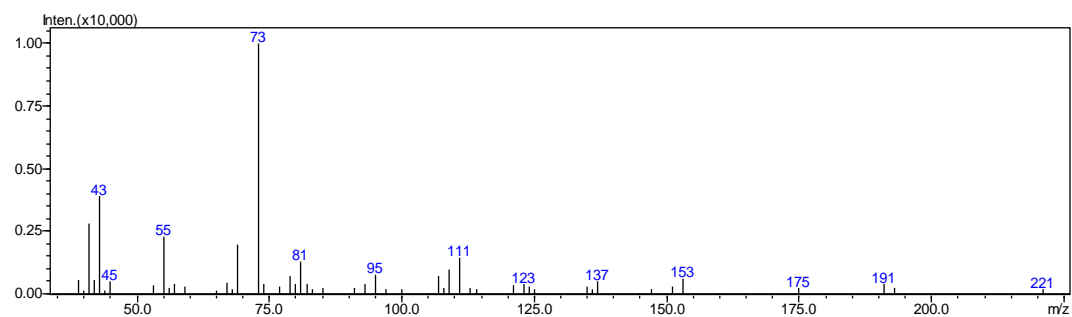
MW: 310

分子式: $C_{19}H_{34}O_3$

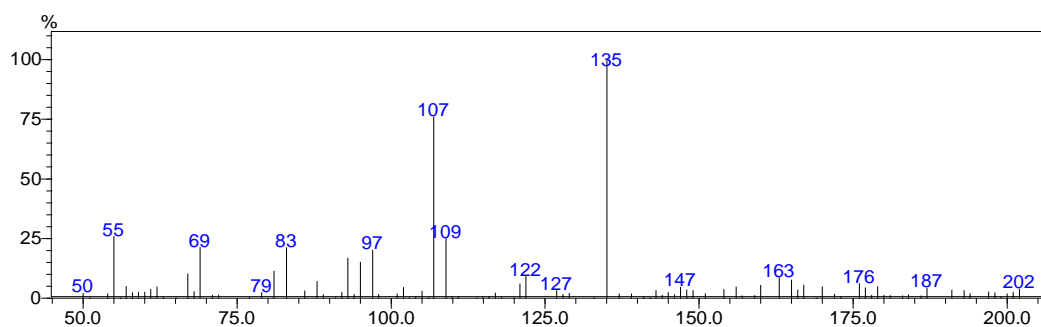
结构式:



Q3 scan



Product ion scan (m/z 191)



193. 甲氧滴滴涕

化合物信息

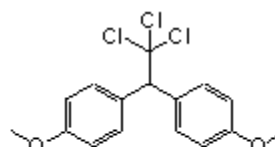
CAS#:72-43-5

英文名称: Methoxychlor

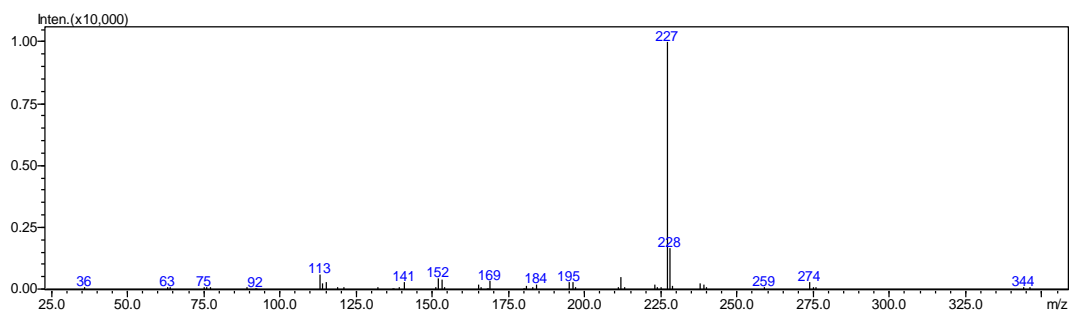
MW: 344

分子式: $C_{16}H_{15}Cl_3O_2$

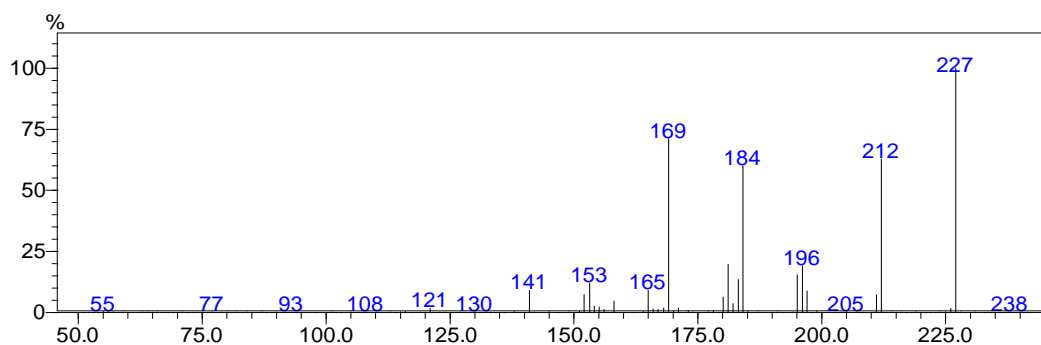
结构式:



n



Product ion scan (m/z 227)



194. 异丙甲草胺

化合物信息

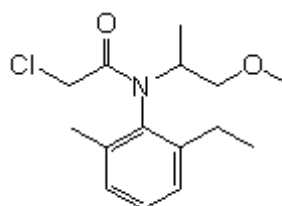
CAS#: 51218-45-2

英文名称: Metolachlor

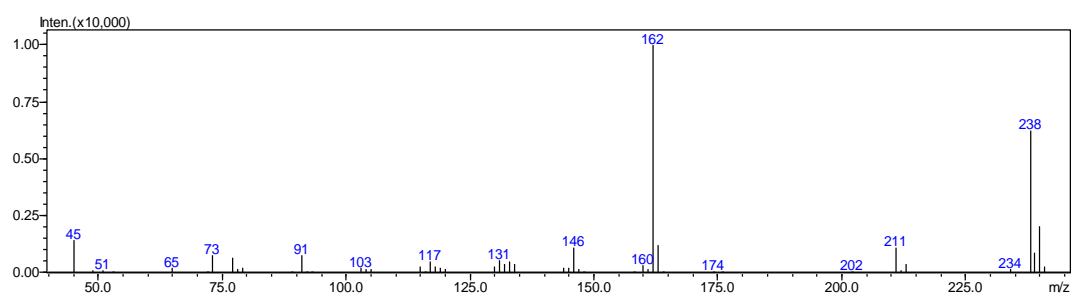
MW: 283

分子式: $C_{15}H_{22}ClNO_2$

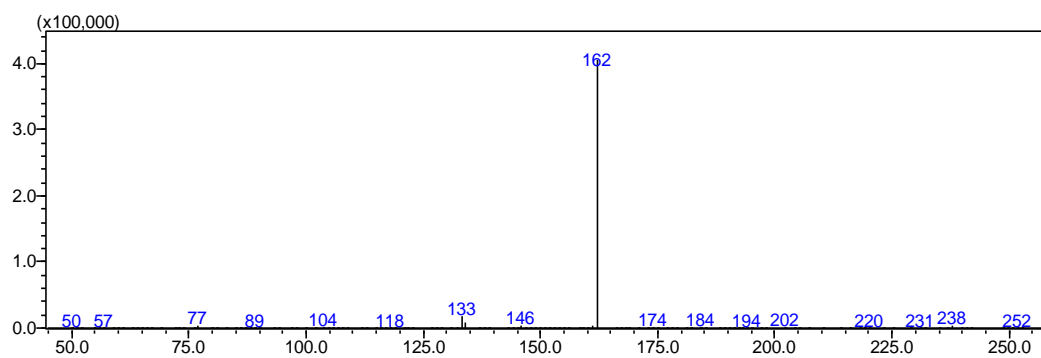
结构式:



Q3 scan



Product ion scan (m/z 238)



195. (E)--苯氧菌胺

化合物信息

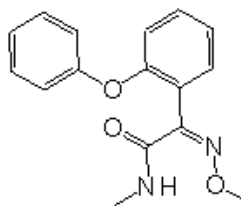
CAS#: 133408-50-1

英文名称: (E)-Metaminostrobin

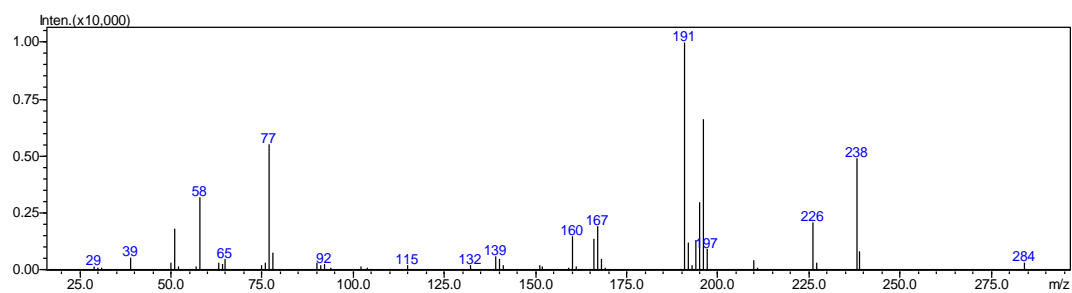
MW: 284

分子式: $C_{16}H_{16}N_2O_3$

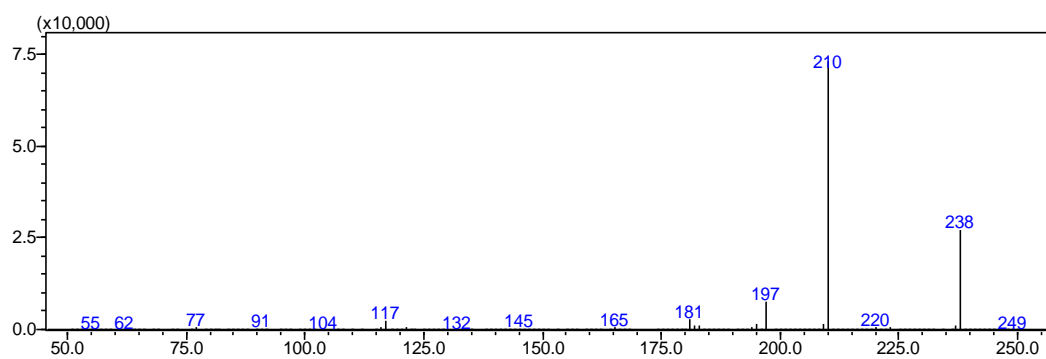
结构式:



Q3 scan



Product ion scan (m/z 238)



196. (Z)-苯氧菌胺

化合物信息

CAS#:133408-51-2

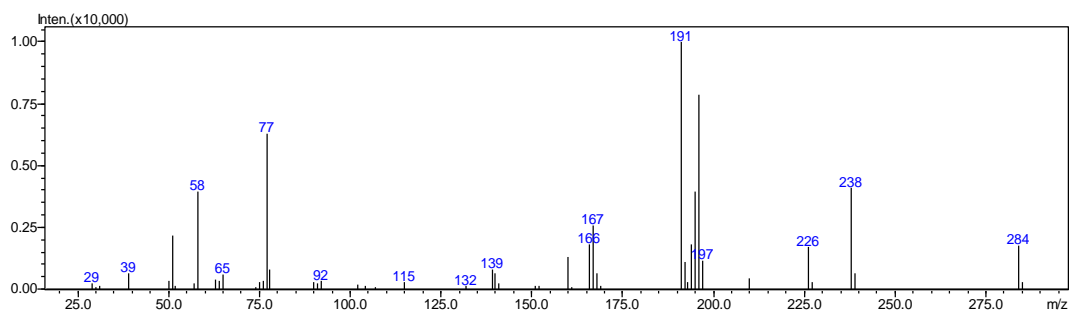
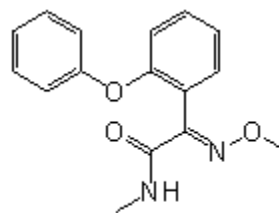
英文名称: (Z)-Metaminostrobin

MW: 284

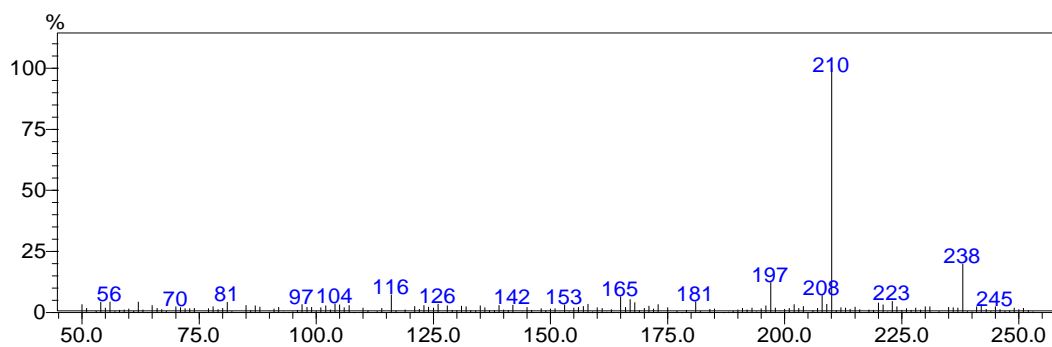
分子式: $C_{16}H_{16}N_2O_3$

Q3 scan

结构式:



Product ion scan (m/z 238)



197. 噻草酮

化合物信息

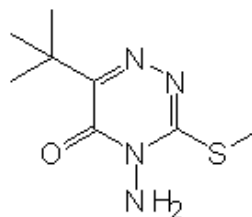
CAS#: 21087-64-9

英文名称: Metribuzin

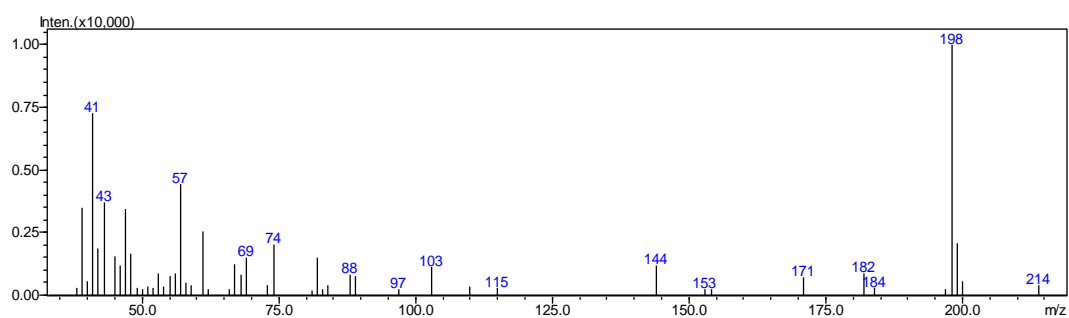
MW: 214

分子式: $C_8H_{14}N_4OS$

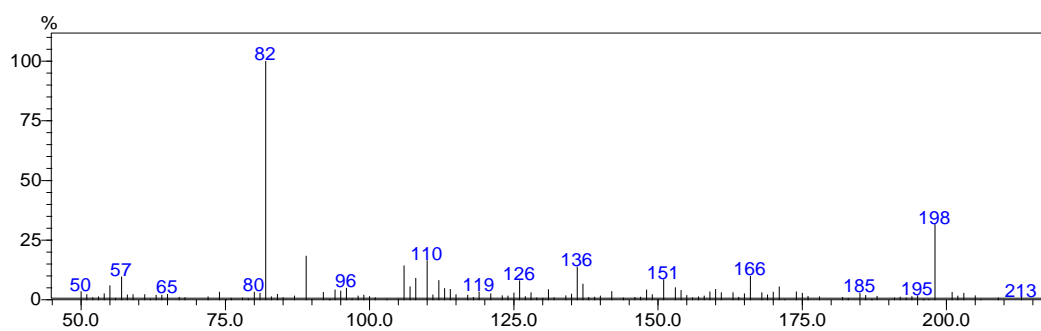
结构式:



Q3 scan



Product ion scan (m/z 198)



198. 内吸磷-S-甲基

化合物信息

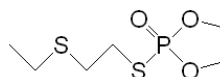
CAS#: 919-86-8

英文名称: Metyl Demeton

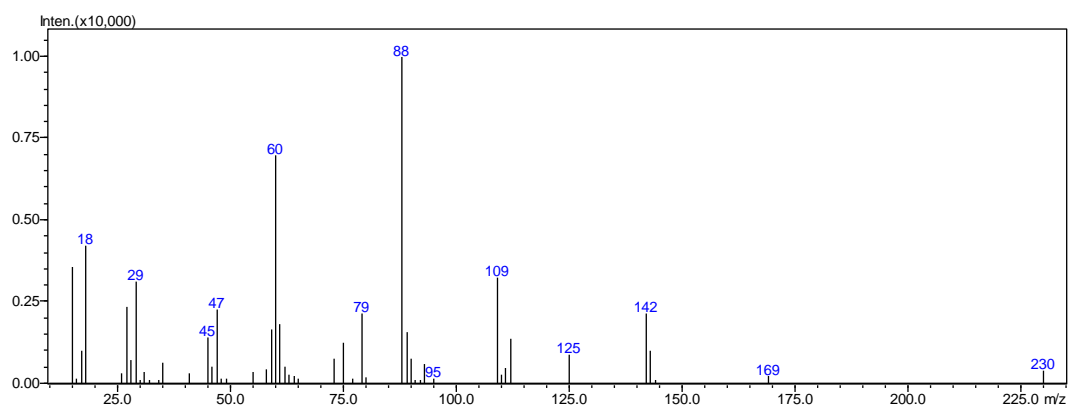
MW: 230

分子式: $C_6H_{15}O_3PS_2$

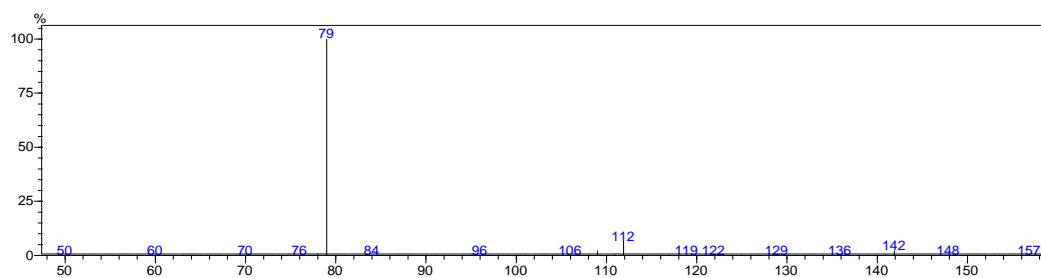
结构式:



Q3 scan



Product ion scan (m/z 142)



199. 速灭磷

化合物信息

CAS#: 7786-34-7

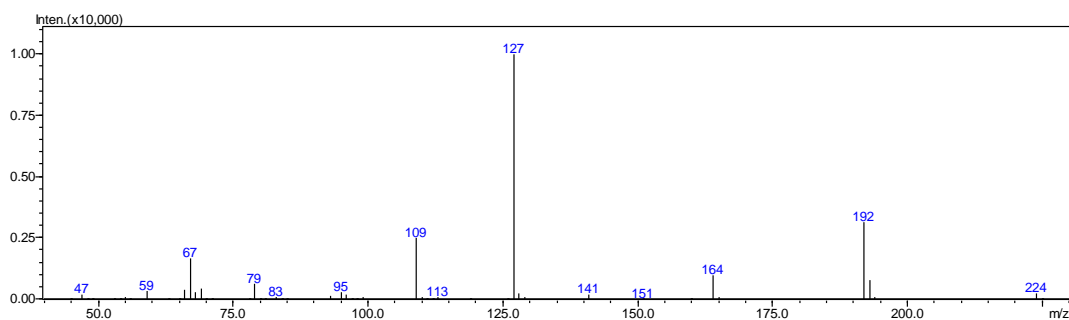
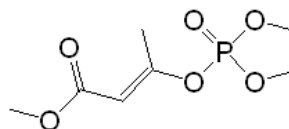
英文名称: Mevinphos

MW: 224

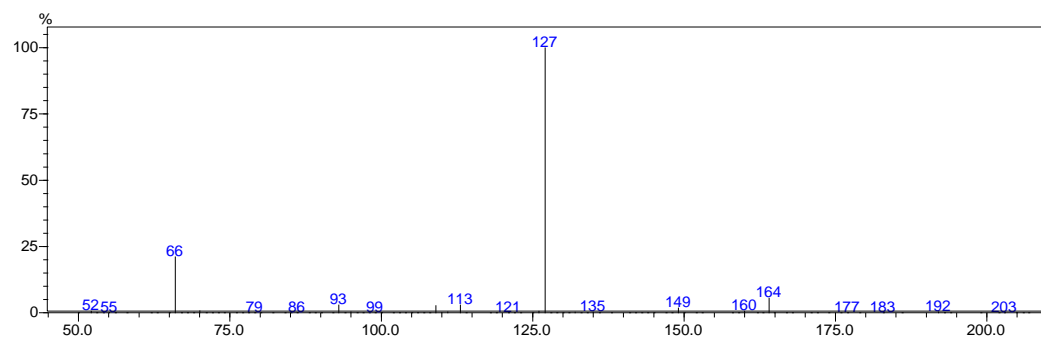
分子式: $C_7H_{13}O_6P$

Q3 scan

结构式:



Product ion scan (m/z 192)



200. 禾草敌

化合物信息

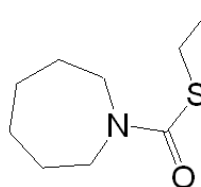
CAS#: 2212-67-1

英文名称: Molinate

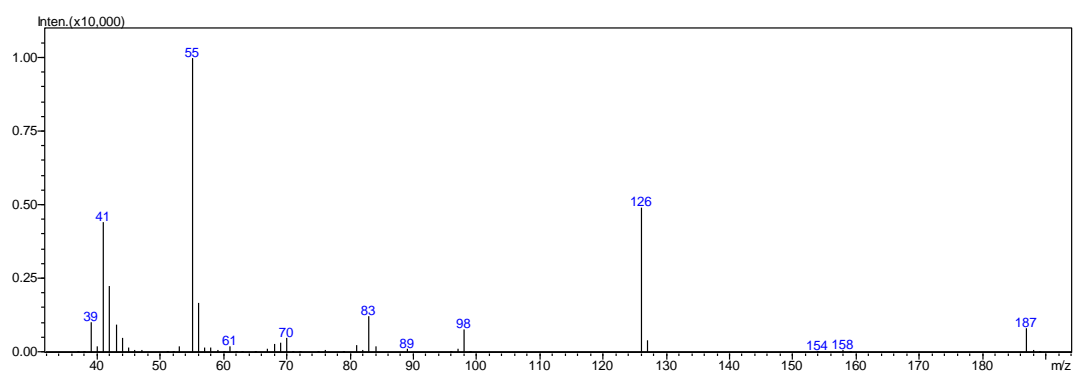
MW: 187

分子式: $C_9H_{17}NOS$

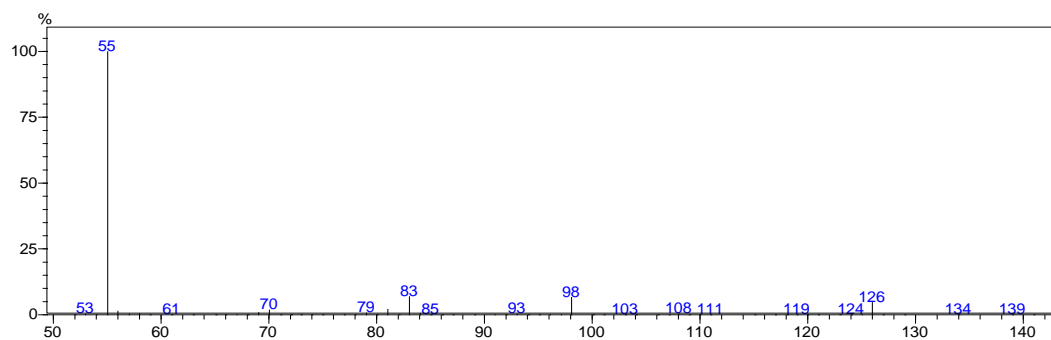
结构式:



Q3 scan



Product ion scan (m/z 126)



201. 久效磷

化合物信息

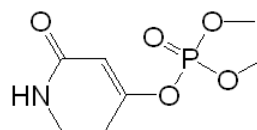
CAS#: 6923-22-4

英文名称: Monocrotophos

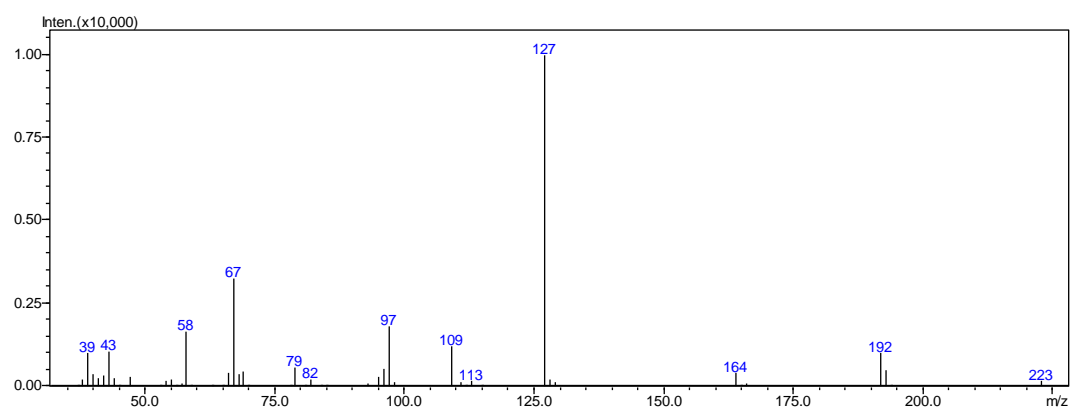
MW: 223

分子式: $C_7H_{14}NO_5P$

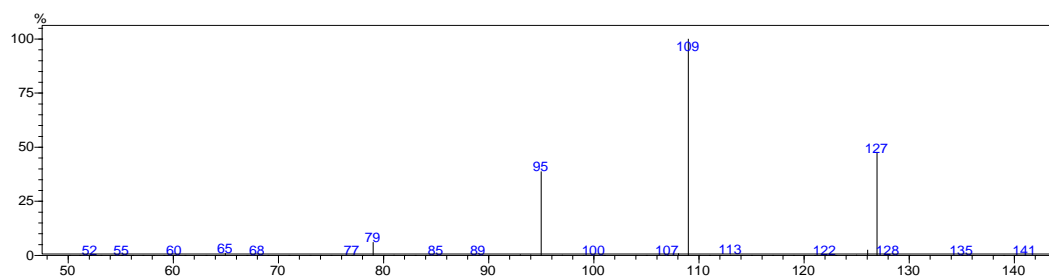
结构式:



Q3 scan



Product ion scan (m/z 127)



202. 睛菌唑

化合物信息

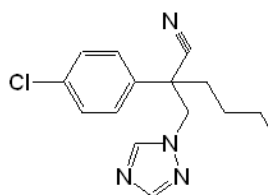
CAS#: 88671-89-0

英文名称: Myclobutanil

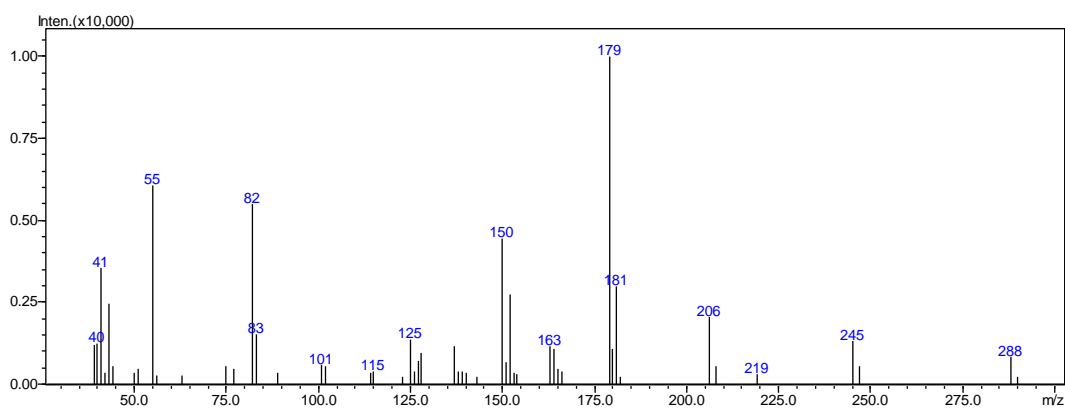
MW: 288

分子式: $C_{15}H_{17}ClN_4$

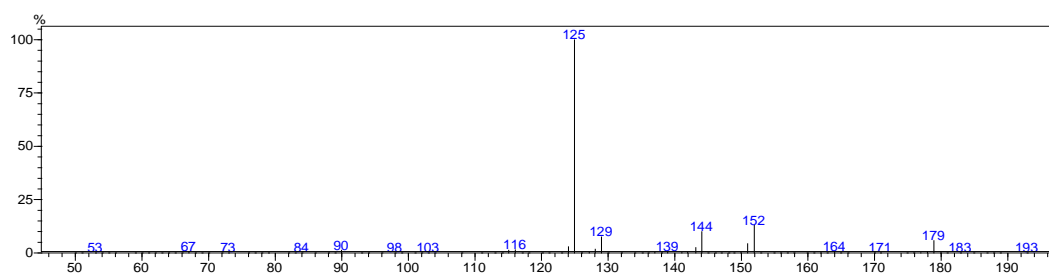
结构式:



Q3 scan



Product ion scan (m/z 179)



203. 二溴磷

化合物信息

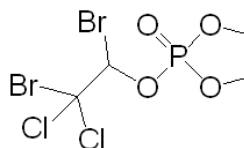
CAS#: 300-76-5

英文名称: Naled

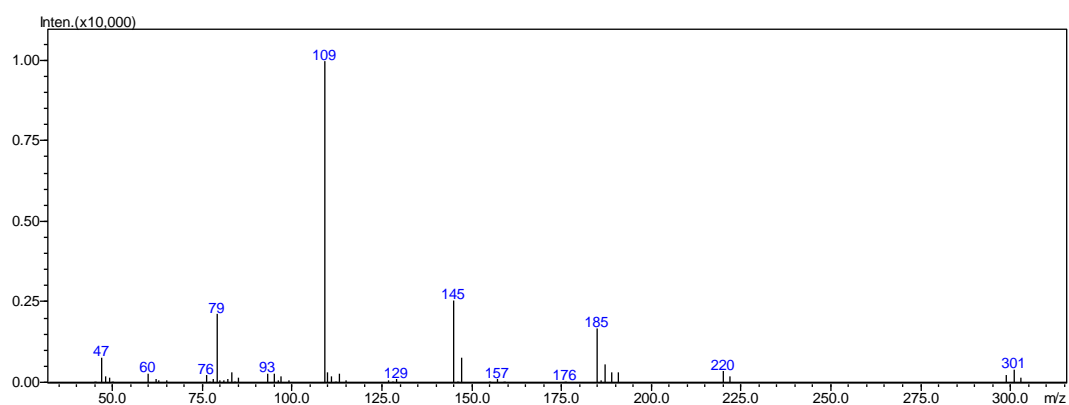
MW: 378

分子式: $C_4H_7Br_2Cl_2O_4P$

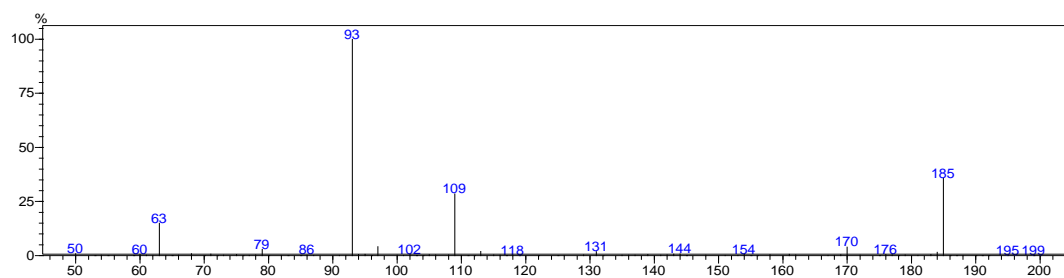
结构式:



Q3 scan



Product ion scan (m/z 185)



204. 1-萘酰胺

化合物信息

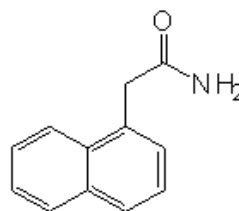
结构式:

CAS#:86-86-2

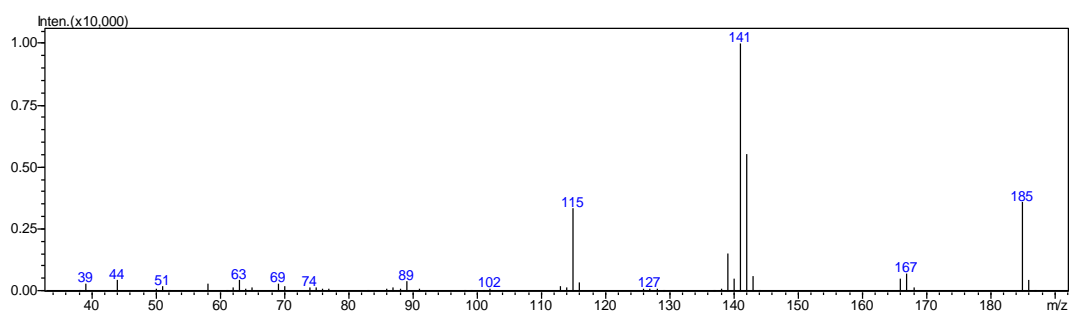
英文名称: 2-(1-Naphthyl)acetamide

MW: 185

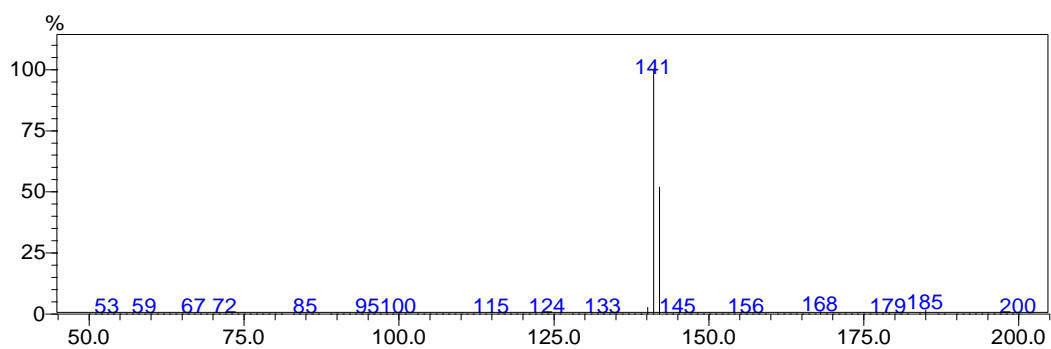
分子式: C₁₂H₁₁NO



Q3 scan



Product ion scan (m/z 185)



205. 敌草胺

化合物信息

CAS#: 15299-99-7

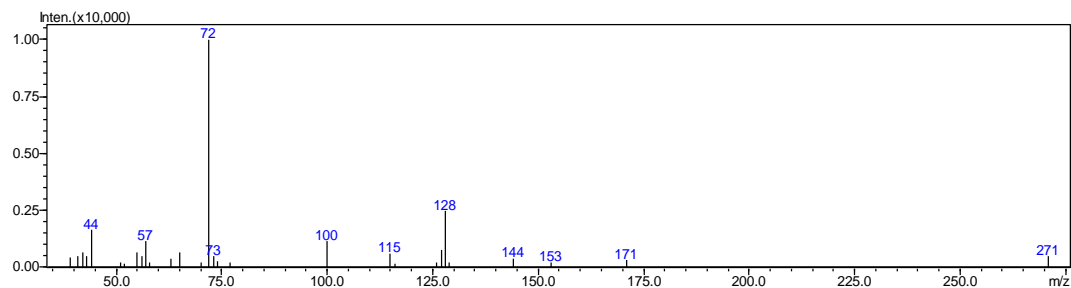
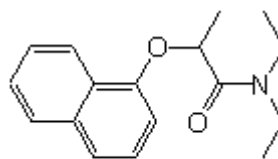
英文名称: Napropamide

MW: 271

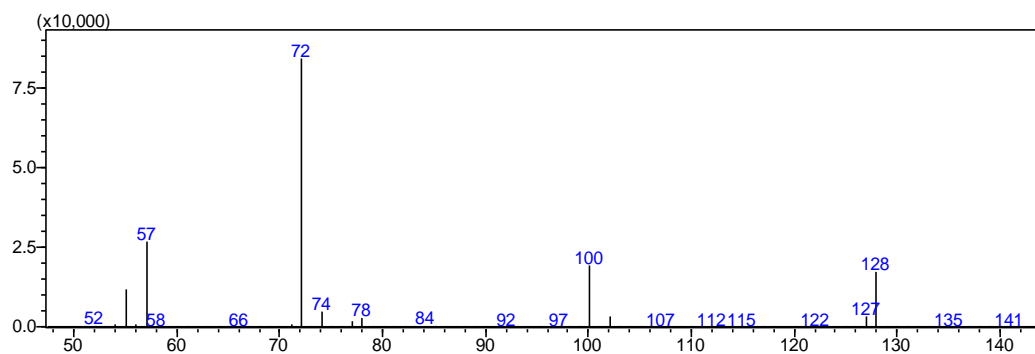
分子式: $C_{17}H_{21}NO_2$

Q3 scan

结构式:



Product ion scan (m/z 128)



206. 甲磺乐灵

化合物信息

CAS#: 1836-75-5

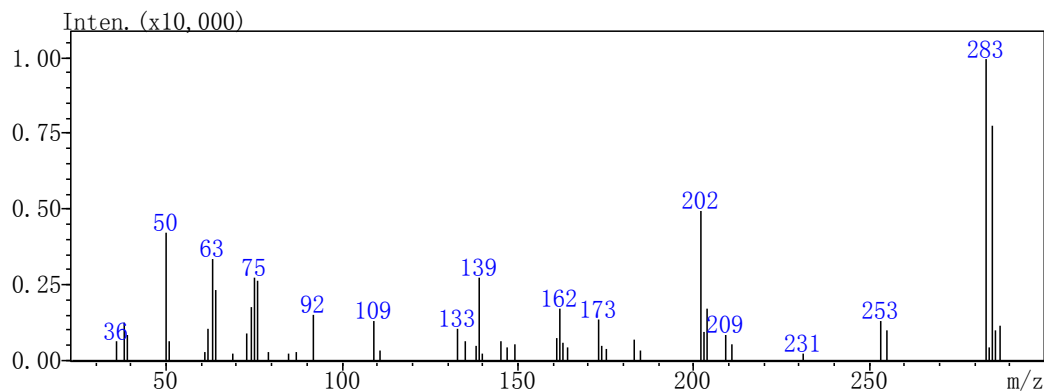
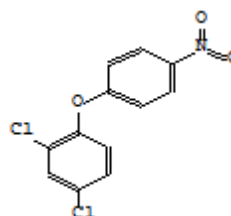
英文名称: Nitrofend

MW: 346

分子式: $C_{12}H_7Cl_2NO_3$

Q3 scan

结构式:



207. 除草醚

化合物信息

CAS#: 1836-75-5

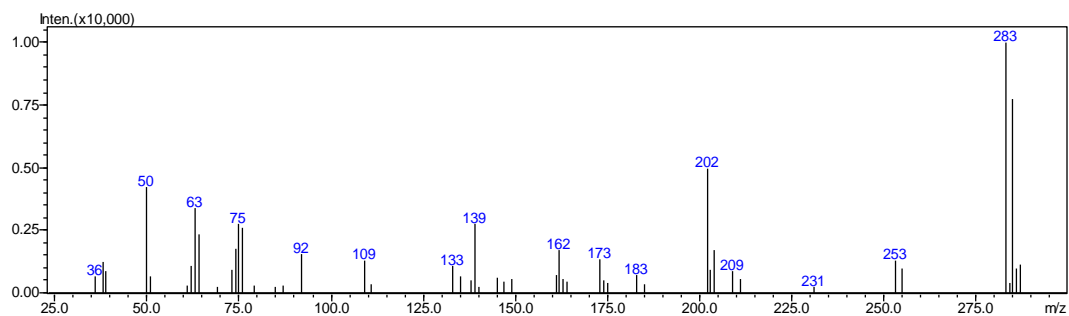
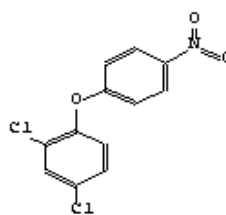
英文名称: Nitrofenol

MW: 346

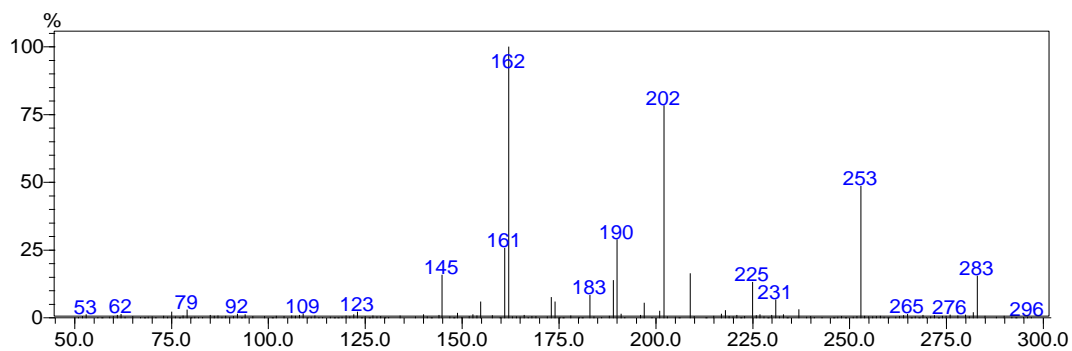
分子式: $C_{12}H_7Cl_2NO_3$

Q3 scan

结构式:



Product ion scan (m/z 283)



208. 酞菌酯

化合物信息

CAS#: 10552-74-6

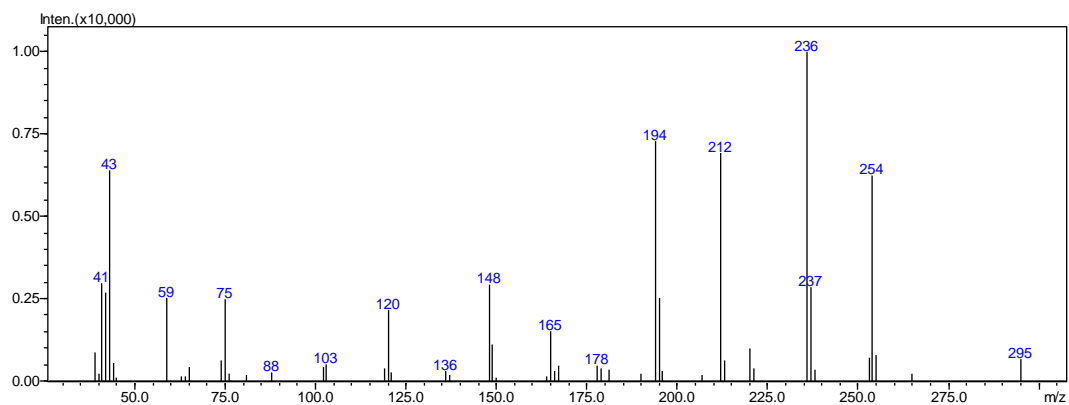
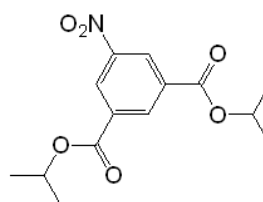
英文名称: Nitrothal-isopropyl

MW: 295

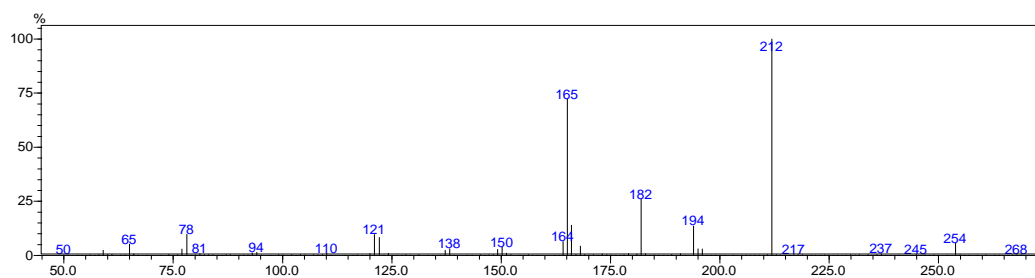
分子式: $C_{14}H_{17}NO_6$

Q3 scan

结构式:



Product ion scan (m/z 254)



209. 氟草敏

化合物信息

结构式:

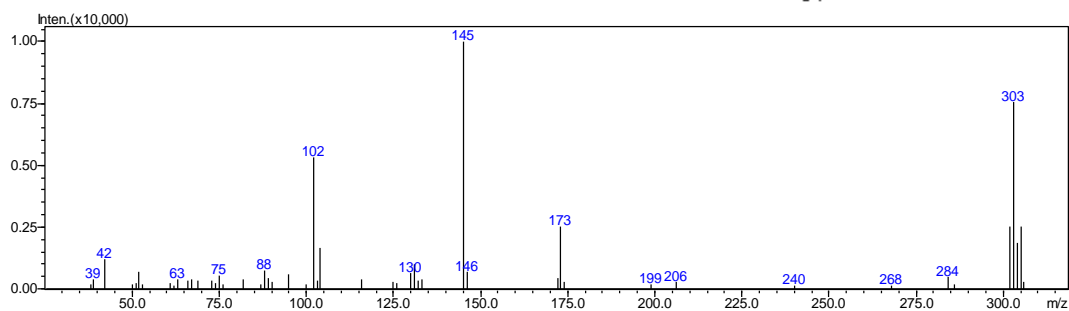
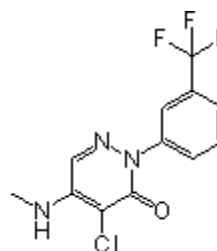
CAS#:27314-13-2

英文名称: Norflurazon

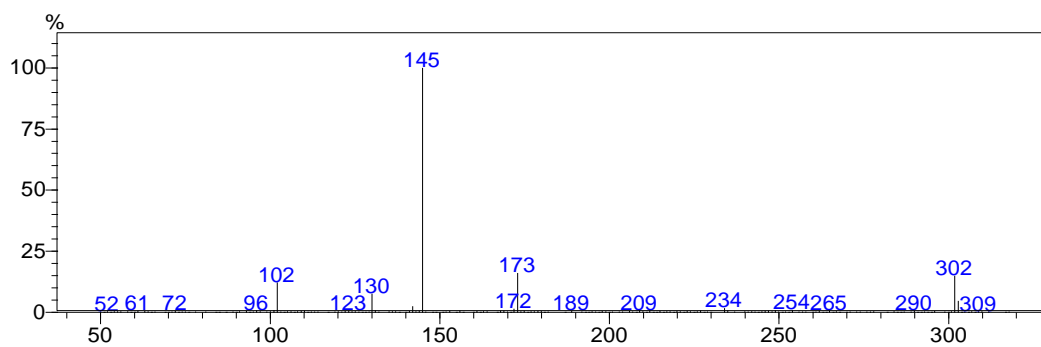
MW: 303

分子式: $C_{12}H_9ClF_3N_3O$

Q3 scan



Product ion scan (m/z 303)



210. 氧化乐果

化合物信息

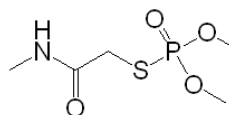
结构式:

CAS#: 1113-02-6

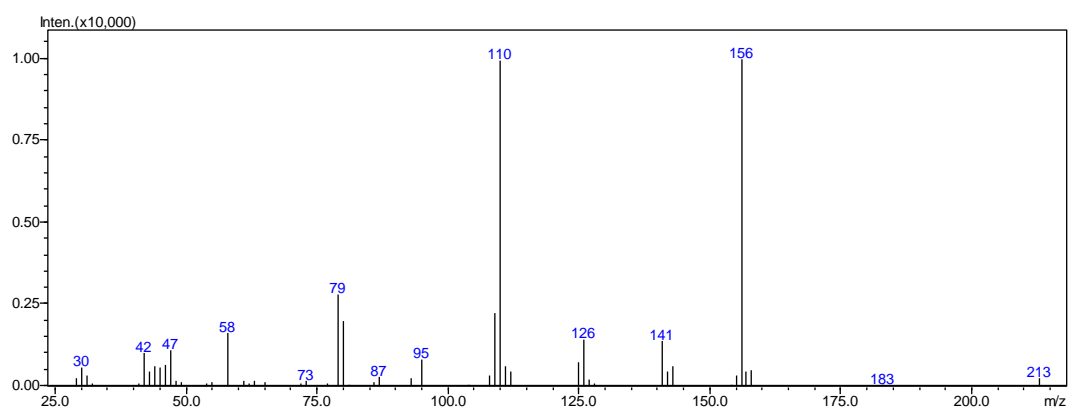
英文名称: Omethoate

MW: 299

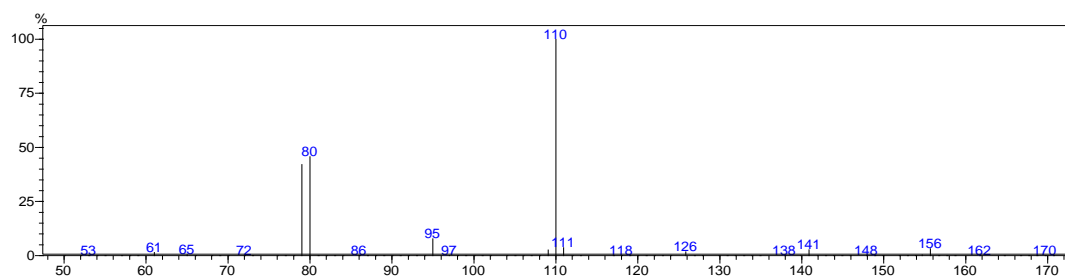
分子式: $C_{10}H_{19}ClNO_5P$



Q3 scan



Product ion scan (m/z 156)



211. o,p'-DDT

化合物信息

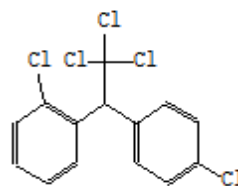
结构式:

CAS#:789-02-6

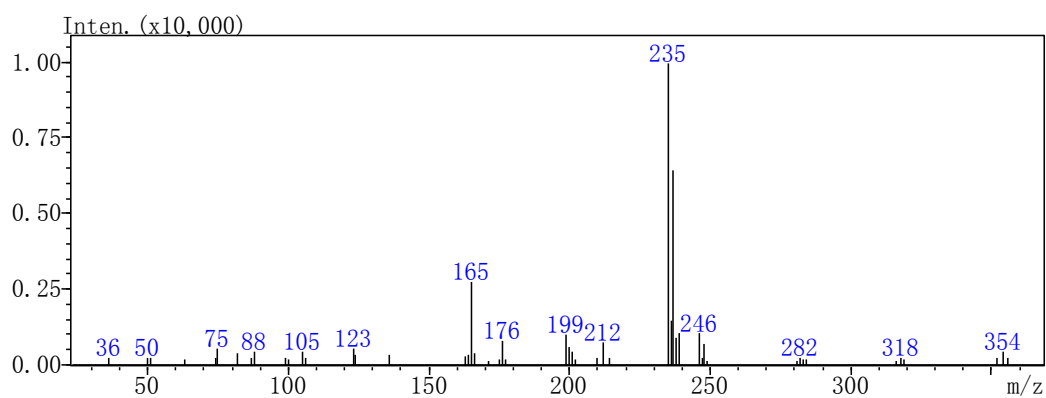
英文名称: o,p'-DDT

MW: 352

分子式: C₁₄H₉Cl₅



Q3 scan



212. 解草腈

化合物信息

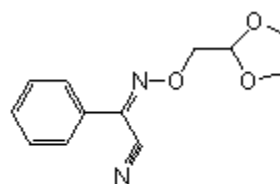
CAS#: 74782-23-3

英文名称: Oxabetrinil

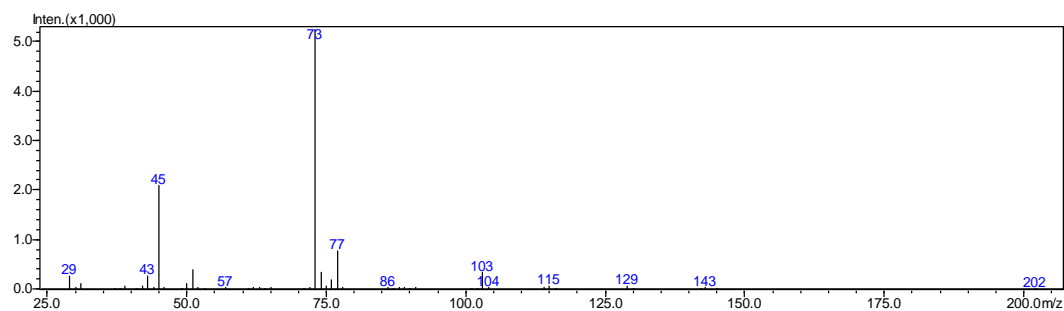
MW: 232

分子式: $C_{12}H_{12}N_2O_3$

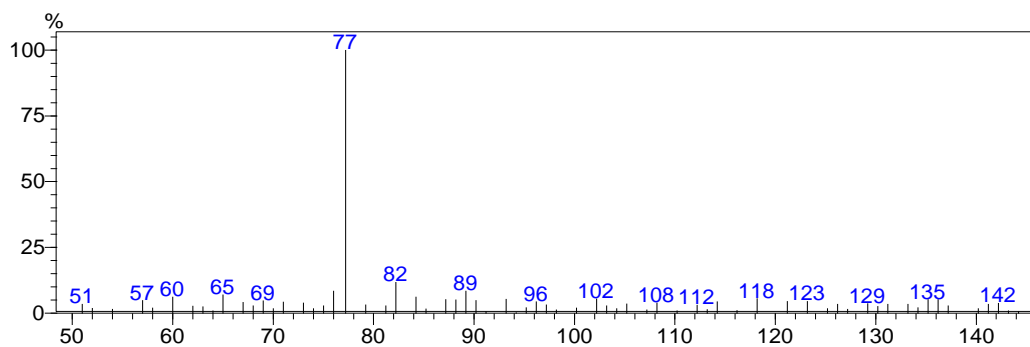
结构式:



Q3 scan



Product ion scan (m/z 129)



213. 恶草酮

化合物信息

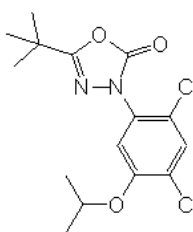
CAS#: 19666-30-9

英文名称: Oxadiazon

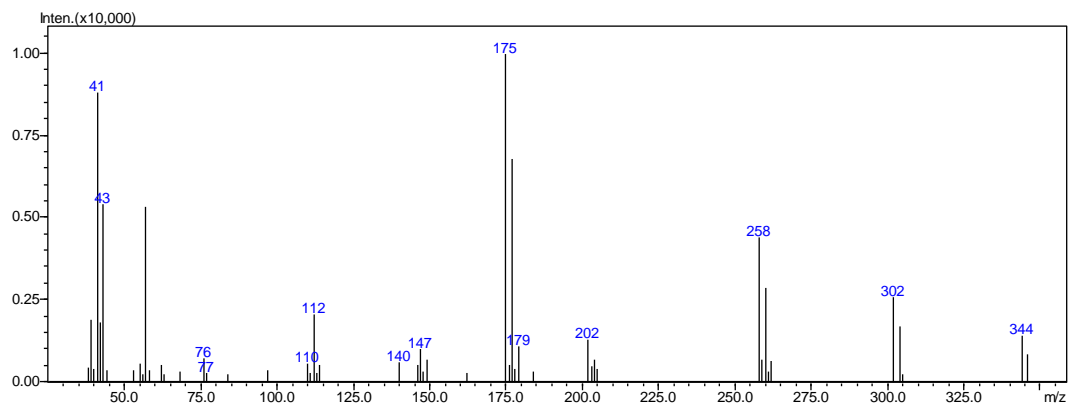
MW: 344

分子式: $C_{15}H_{18}Cl_2N_2O_3$

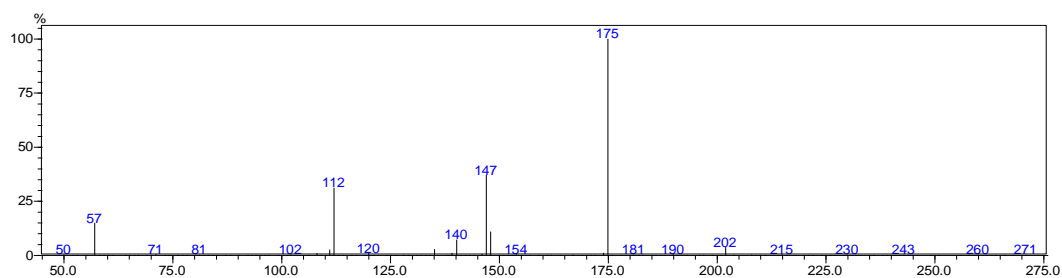
结构式:



Q3 scan



Product ion scan (m/z 258)



214. 恶霜灵

化合物信息

CAS#: 77732-09-3

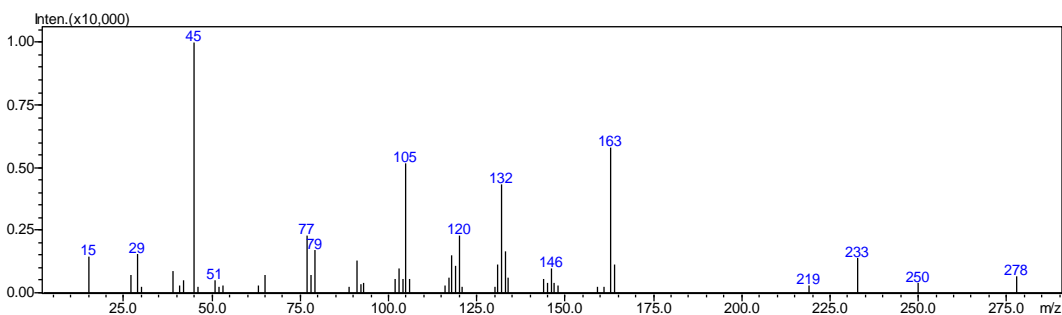
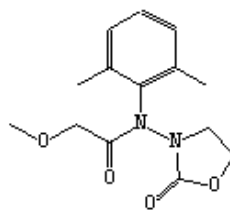
英文名称: Oxadixyl

MW: 299

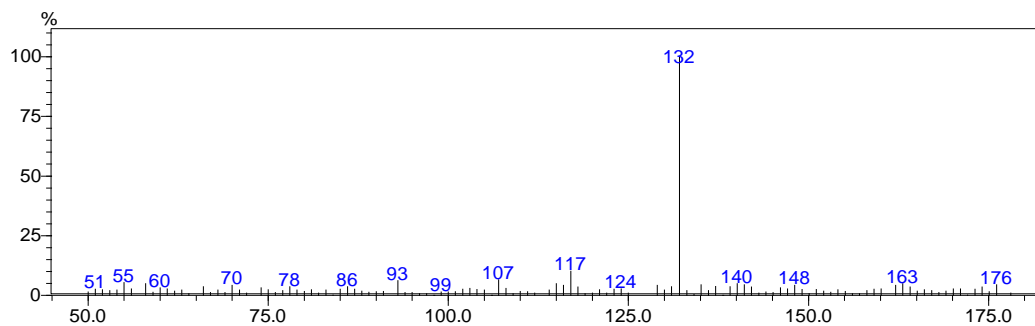
分子式: $C_{14}H_{18}N_2O_4$

Q3 scan

结构式:



Product ion scan (m/z 163)



215. 乙氧氟草醚

化合物信息

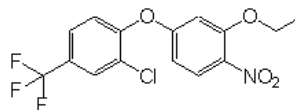
CAS#: 42874-03-3

英文名称: Oxyfluorfen

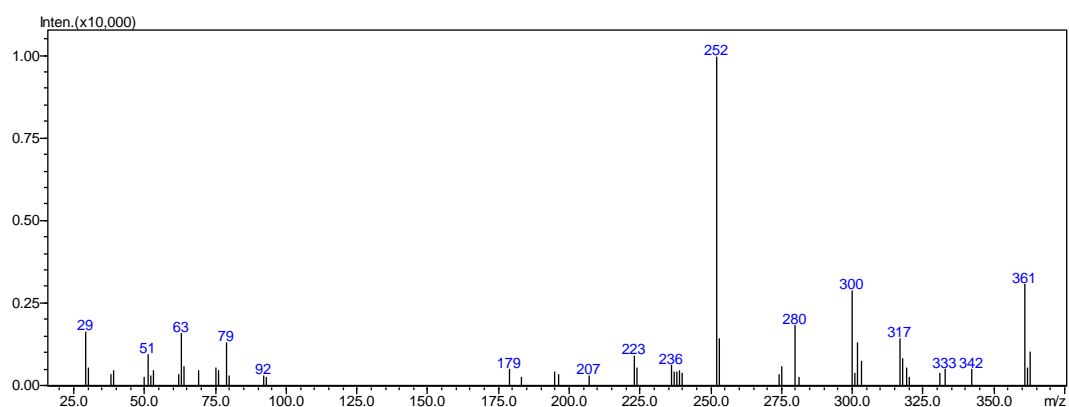
MW: 361

分子式: $C_{15}H_{11}ClF_3NO_4$

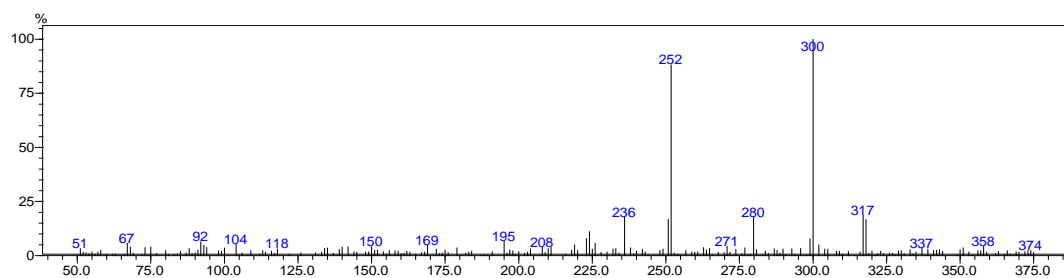
结构式:



Q3 scan



Product ion scan (m/z 361)



216. 多效唑

化合物信息

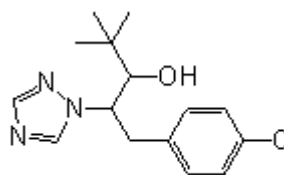
CAS#: 76738-62-0

英文名称: Paclobutrazol

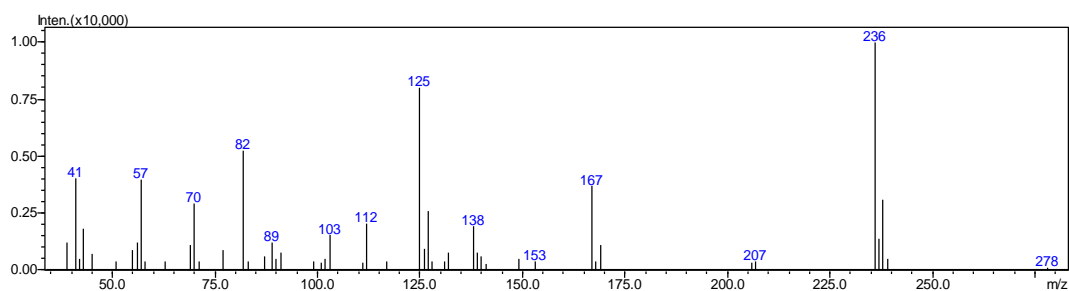
MW: 293

分子式: $C_{15}H_{20}ClN_3O$

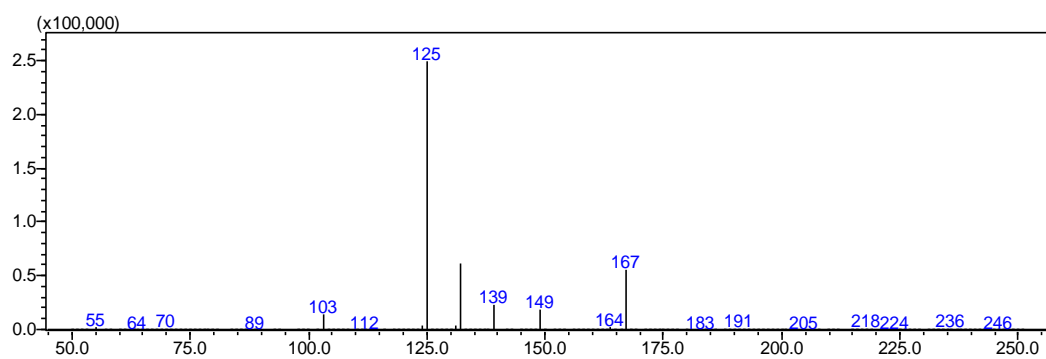
结构式:



Q3 scan



Product ion scan (m/z 236)



217. 对硫磷

化合物信息

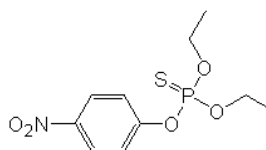
CAS#: 56-38-2

英文名称: Parathion

MW: 291

分子式: $C_{10}H_{14}NO_5PS$

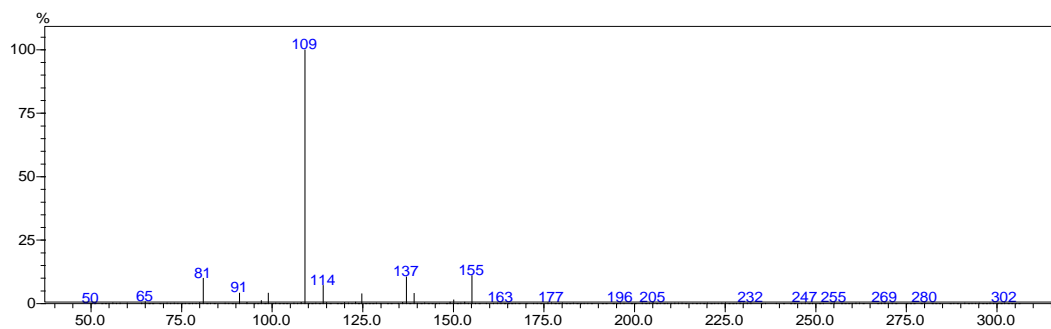
结构式:



Q3 scan



Product ion scan (m/z 291)



218. 甲基对硫磷

化合物信息

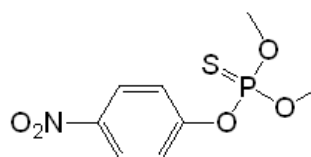
CAS#: 298-00-0

英文名称: Parathion-methyl

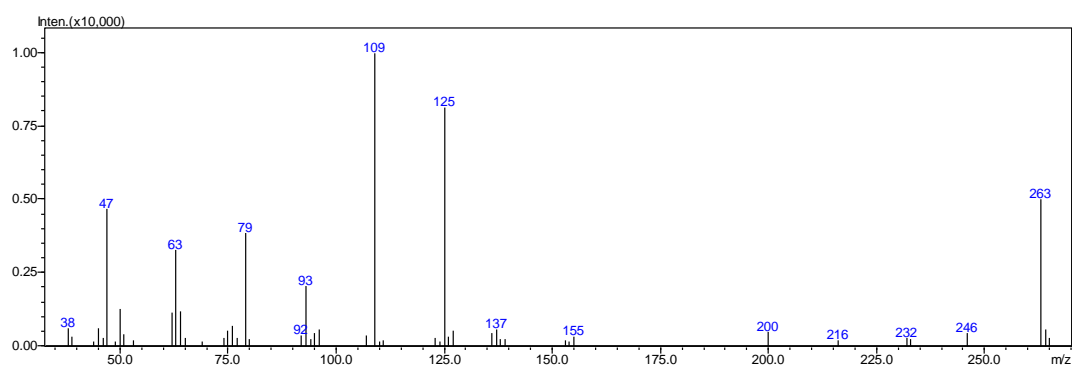
MW: 263

分子式: $C_8H_{10}NO_5PS$

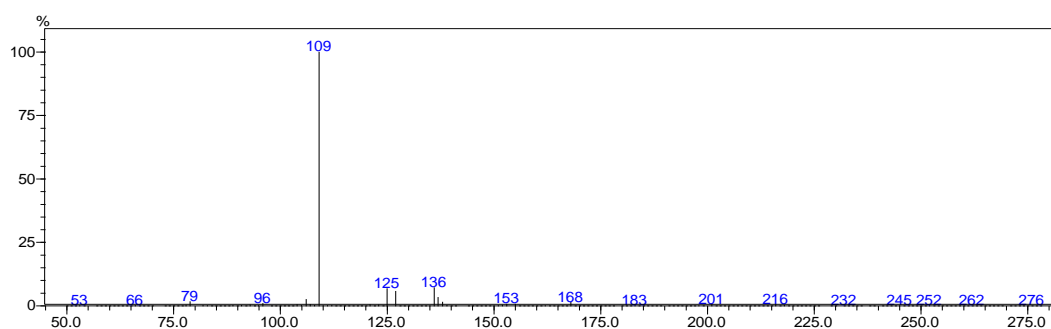
结构式:



Q3 scan



Product ion scan (m/z 263)



219. 戊菌唑

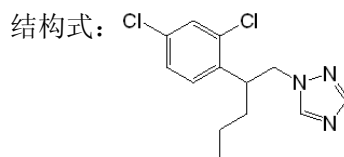
化合物信息

CAS#: 66246-88-6

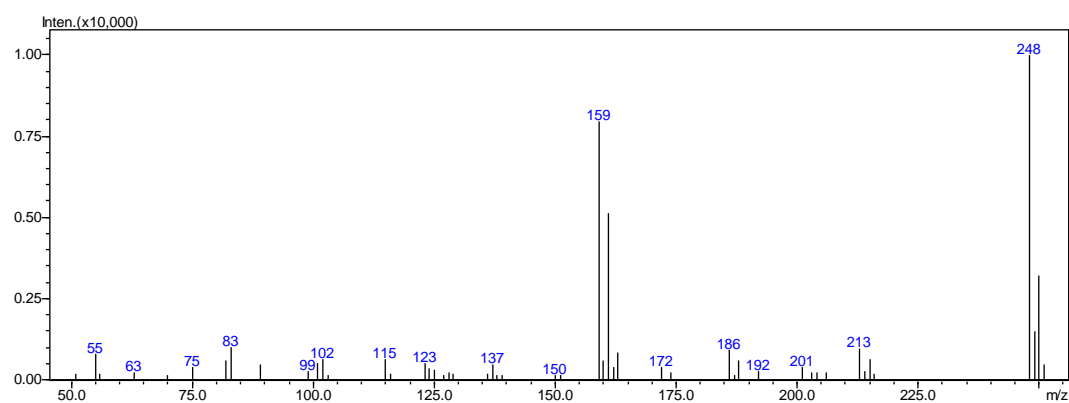
英文名称: Penconazol

MW: 283

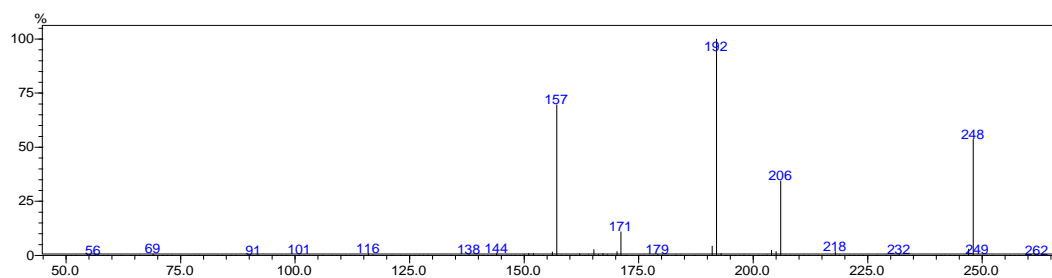
分子式: $C_{13}H_{15}Cl_2N_3$



Q3 scan



Product ion scan (m/z 248)



220. 二甲戊乐灵

化合物信息

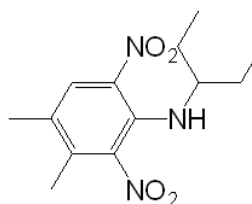
CAS#: 40487-42-1

英文名称: Pendimethalin

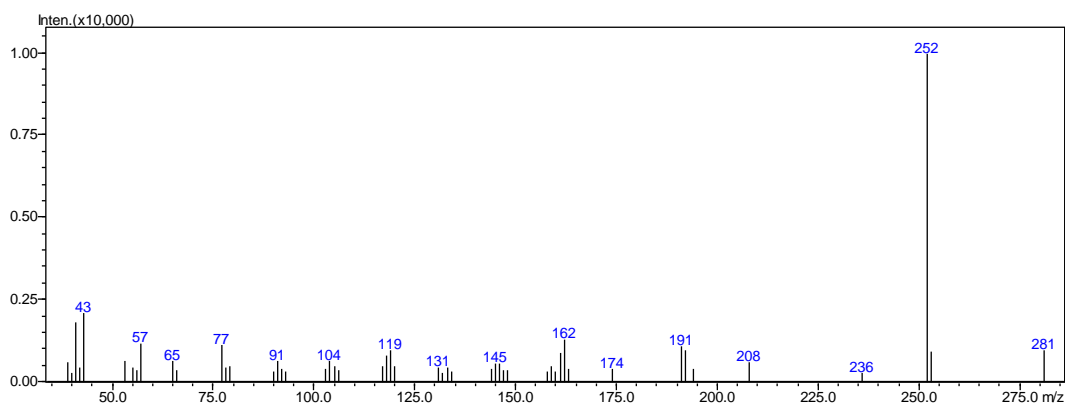
MW: 281

分子式: $C_{13}H_{19}N_3O_4$

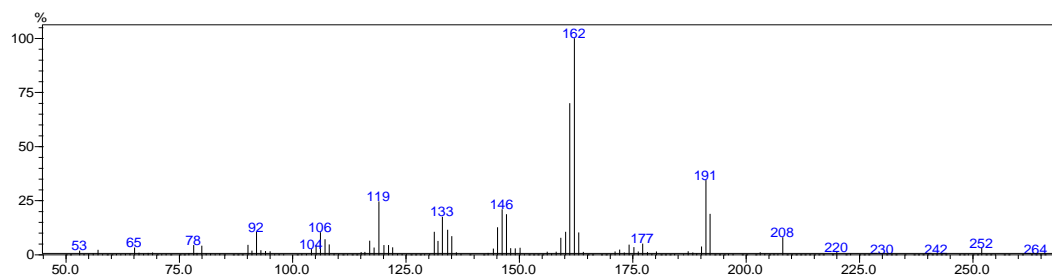
结构式:



Q3 scan



Product ion scan (m/z 252)



221. 恶嗪酮

化合物信息

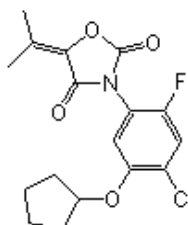
CAS#: 110956-75-7

英文名称: Pentoxazone

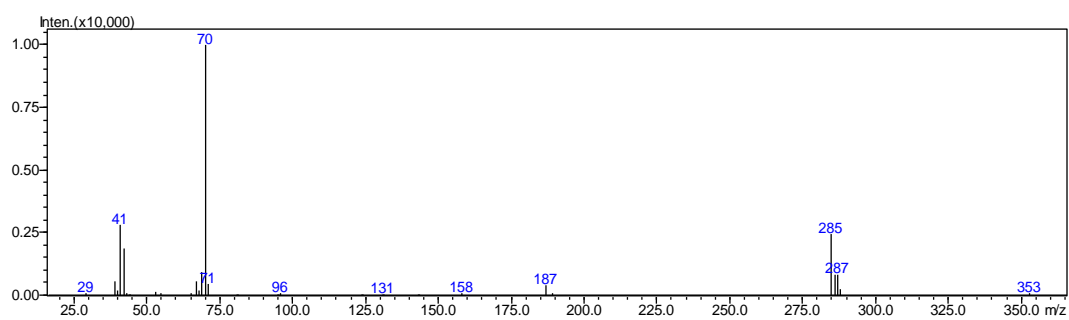
MW: 353

分子式: $C_{17}H_{17}ClFNO_4$

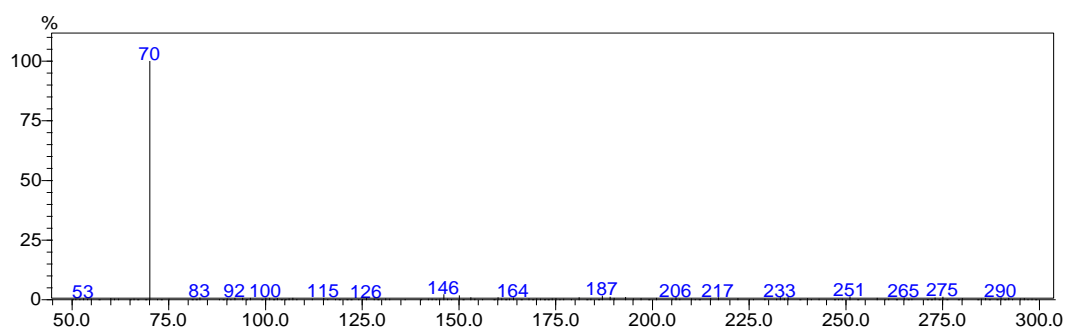
结构式:



Q3 scan



Product ion scan (m/z 285)



222. 氯菊酯

化合物信息

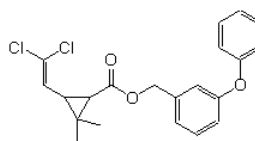
CAS#: 52645-53-1

英文名称: Permethrin

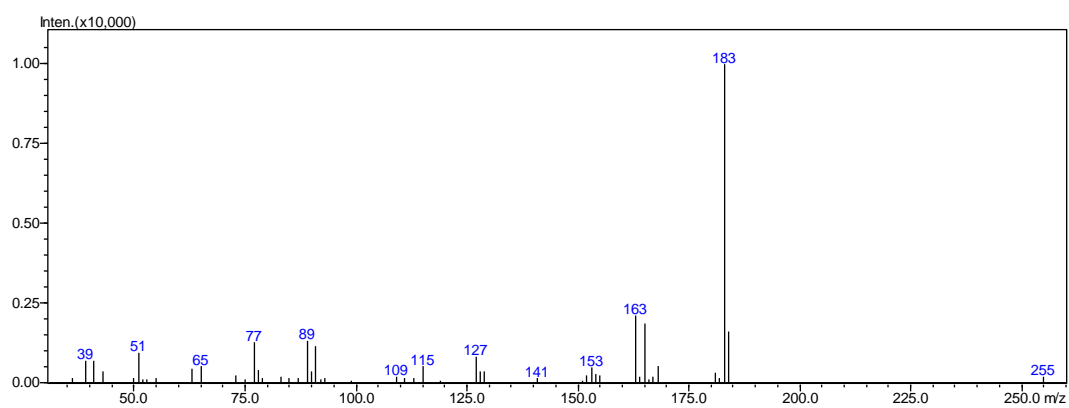
MW: 390

分子式: $C_{21}H_{20}Cl_2O_3$

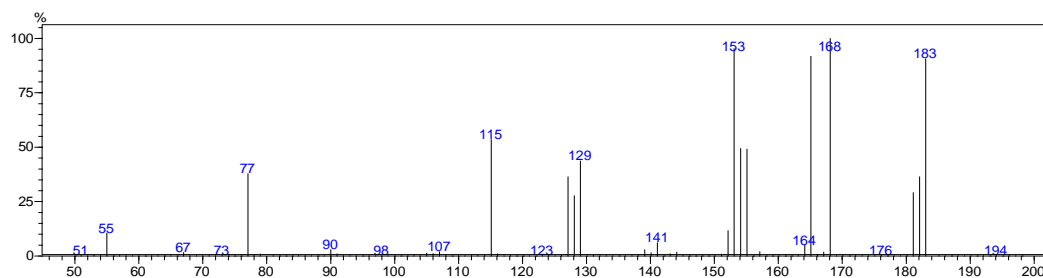
结构式:



Q3 scan



Product ion scan (m/z 183)



223. 稻丰散

化合物信息

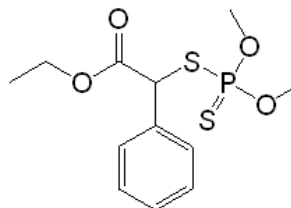
CAS#: 2597-03-7

英文名称: Phenthoate

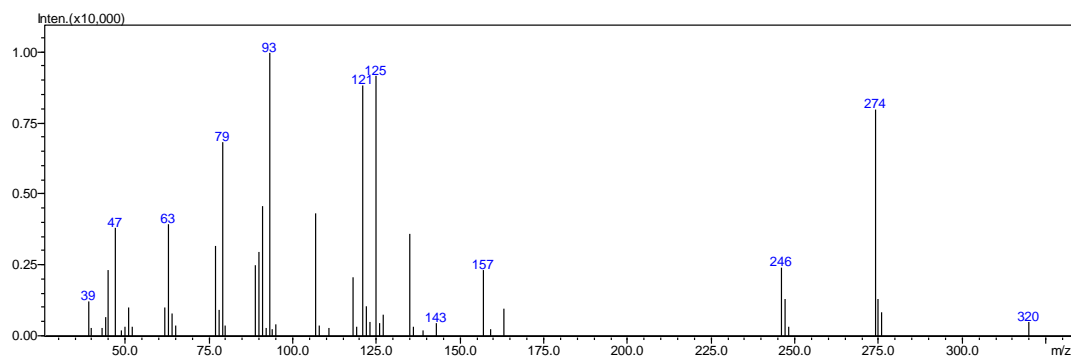
MW: 320

分子式: $C_{12}H_{17}O_4PS_2$

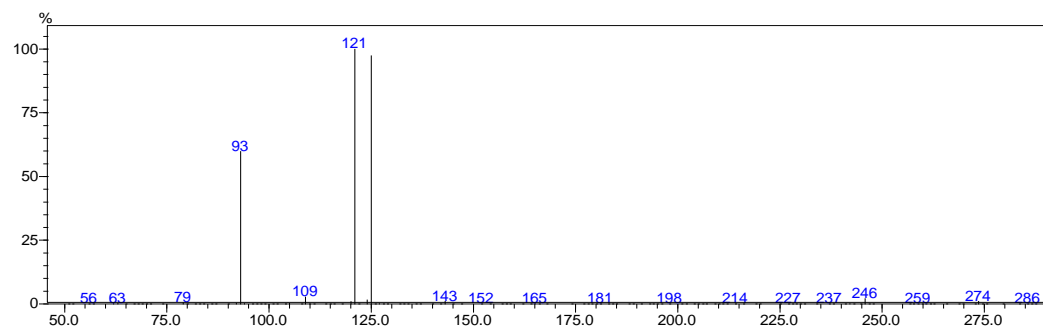
结构式:



Q3 scan



Product ion scan (m/z 274)



224. 甲拌磷

化合物信息

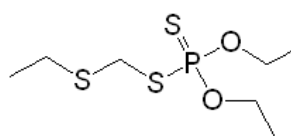
CAS#: 298-02-2

英文名称: Phorate

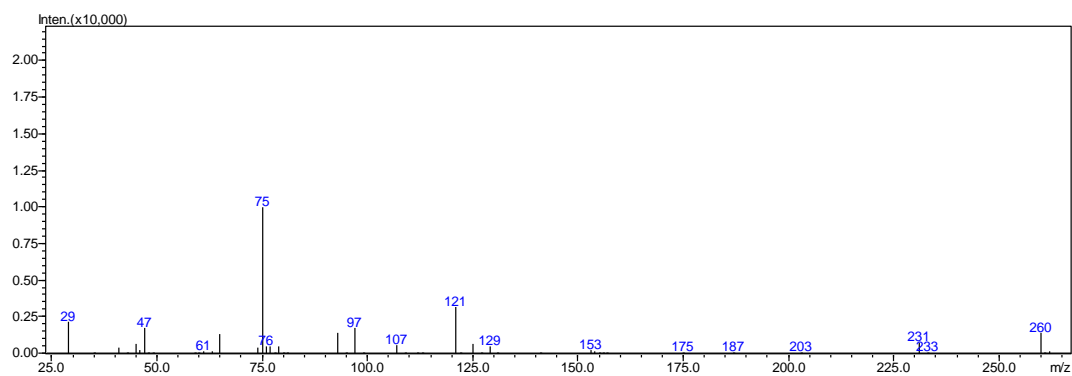
MW: 260

分子式: $C_7H_{17}O_2PS_3$

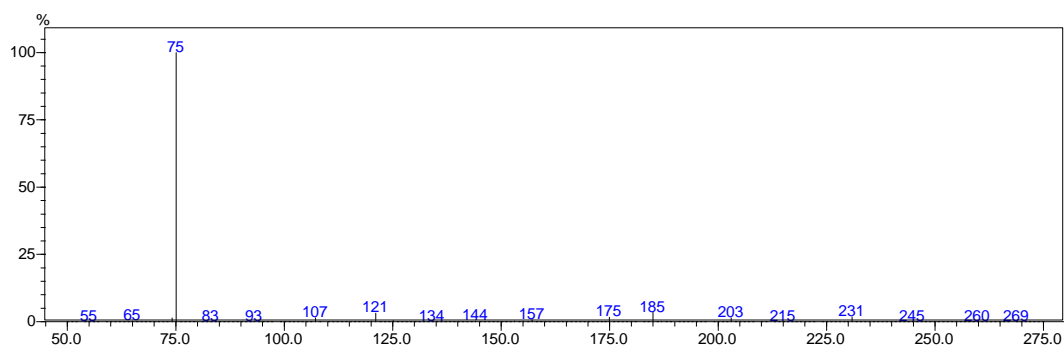
结构式:



Q3 scan



Product ion scan (m/z 260)



225. 伏杀磷

化合物信息

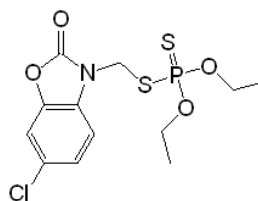
CAS#: 2310-17-0

英文名称: Phosalone

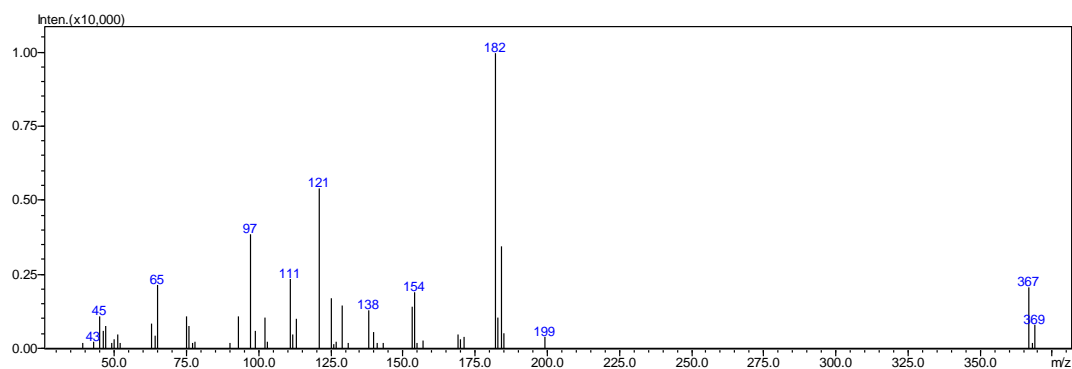
MW: 367

分子式: $C_{12}H_{15}ClNO_4PS_2$

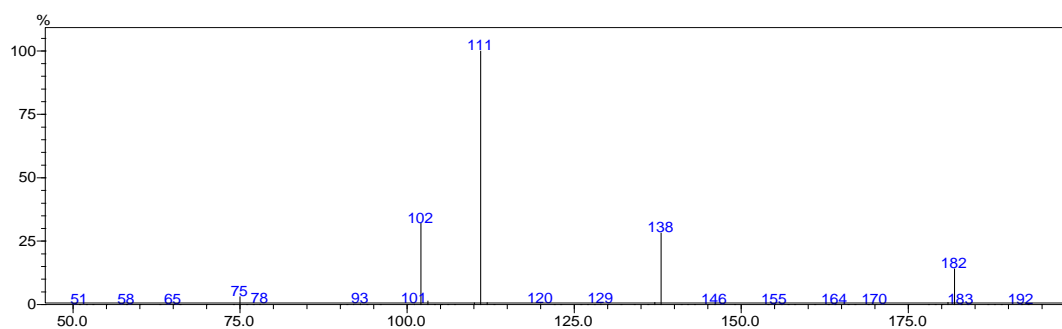
结构式:



Q3 scan



Product ion scan (m/z 182)



226. 亚胺硫磷

化合物信息

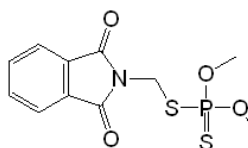
CAS#: 732-11-6

英文名称: Phosmet

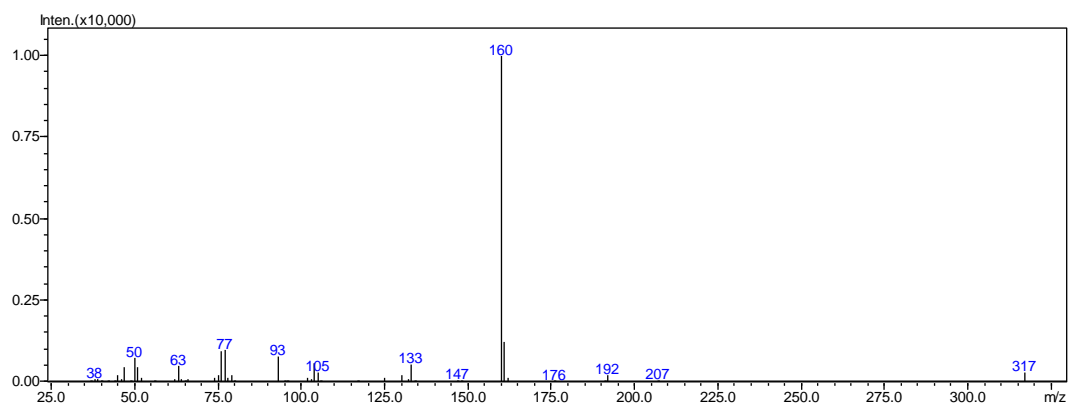
MW: 317

分子式: $C_{11}H_{12}NO_4PS_2$

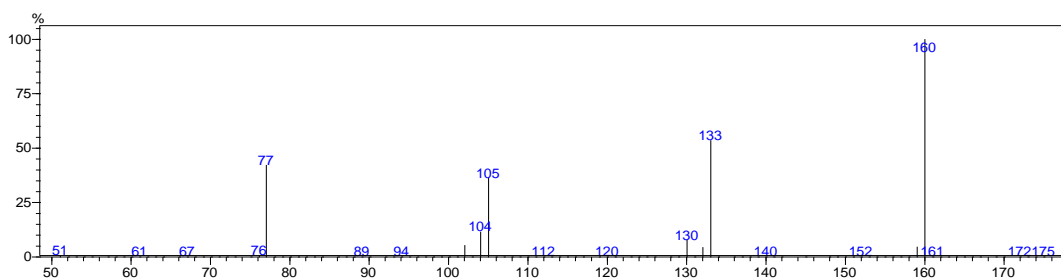
结构式:



Q3 scan



Product ion scan (m/z 160)



227. 磷胺

化合物信息

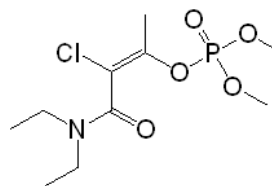
CAS#: 13171-21-6

英文名称: Phosphamidon

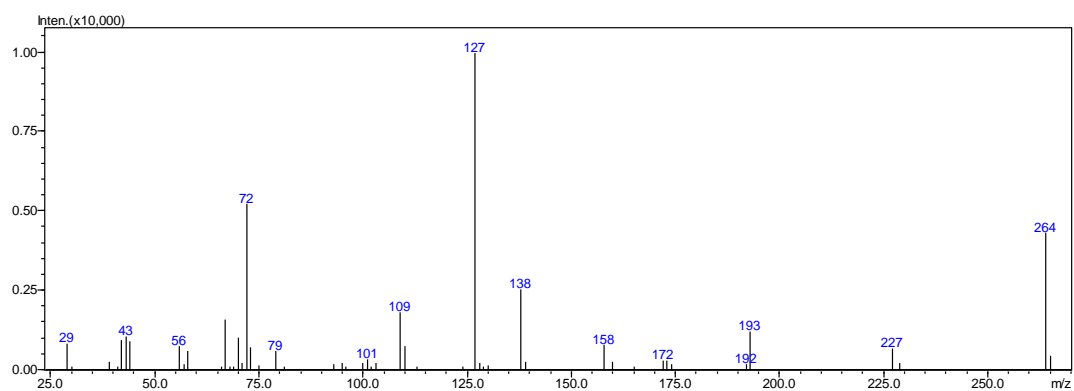
MW: 299

分子式: $C_{10}H_{19}ClNO_5P$

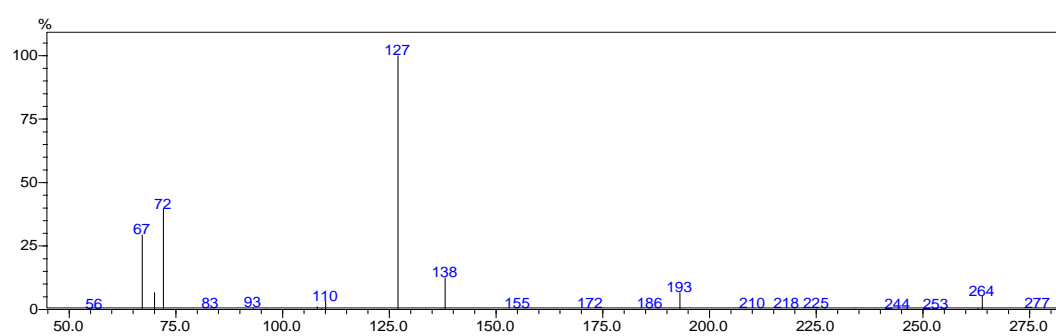
结构式:



Q3 scan



Product ion scan (m/z 264)



228. 氟吡草胺

化合物信息

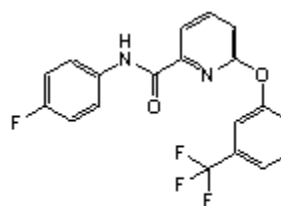
CAS#:137641-05-5

英文名称: Picolinafen

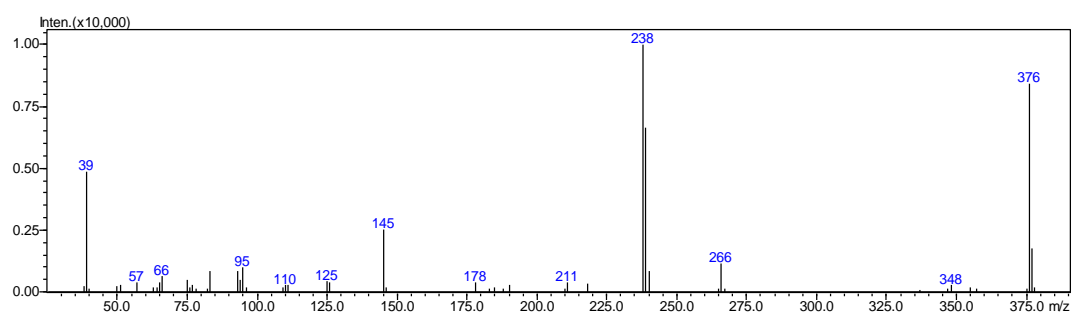
MW: 376

分子式: $C_{19}H_{12}F_4N_2O_2$

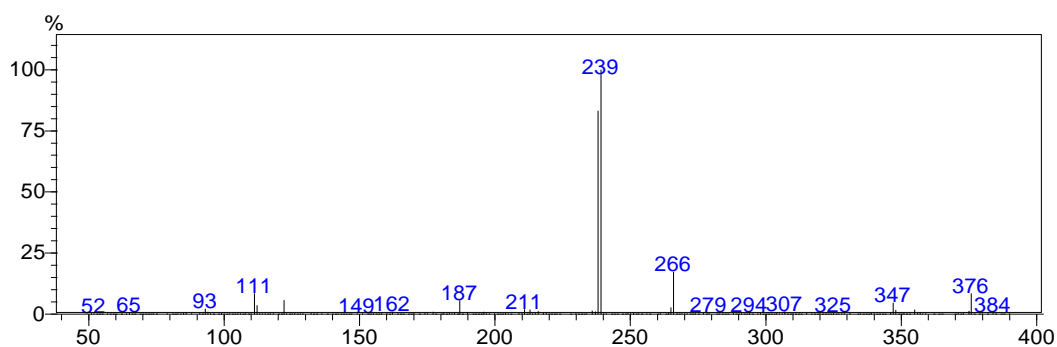
结构式:



Q3 scan



Product ion scan (m/z 376)



229. 增效醚

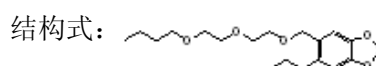
化合物信息

CAS#: 51-03-6

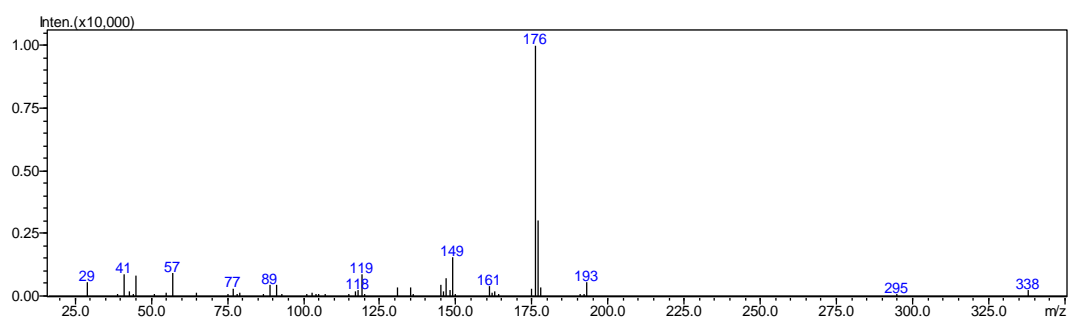
英文名称: Piperonyl butoxide

MW: 338

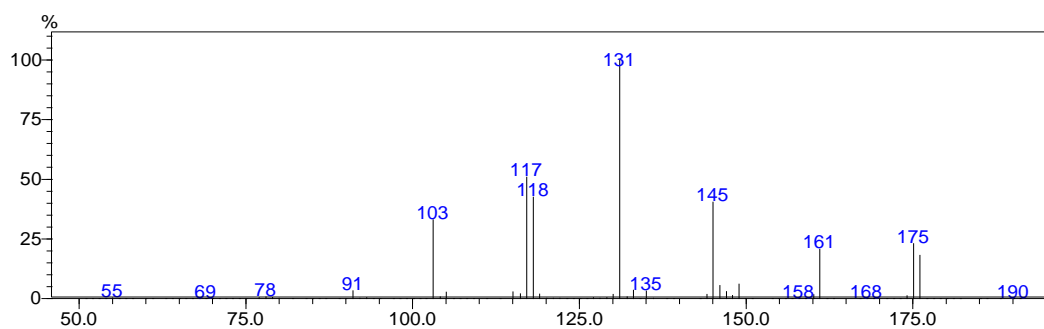
分子式: $C_{19}H_{30}O_5$



Q3 scan



Product ion scan (m/z 176)



230. 哌草磷

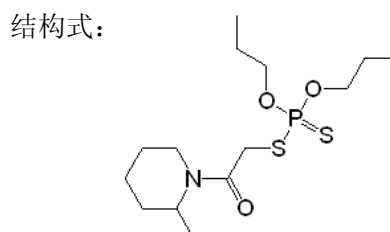
化合物信息

CAS#: 24151-93-7

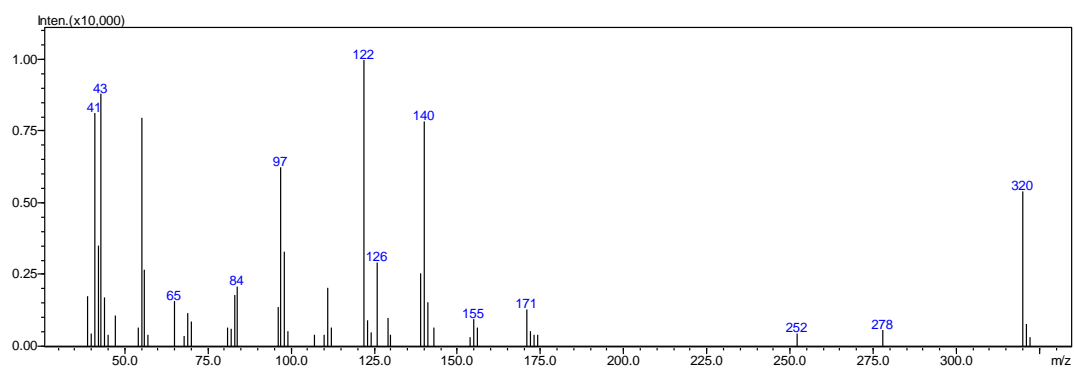
英文名称: Piperophos

MW: 353

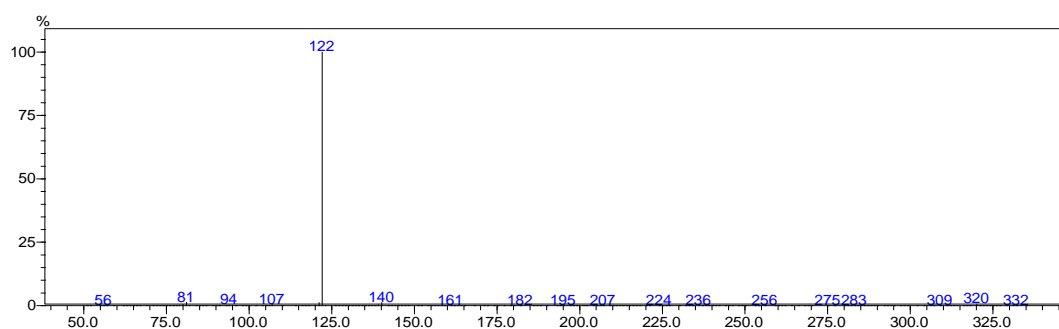
分子式: $C_{14}H_{28}NO_3PS_2$



Q3 scan



Product ion scan (m/z 320)



231. 甲基嘧啶磷

化合物信息

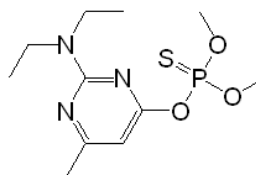
CAS#: 29232-93-7

英文名称: Pirimiphos-methyl

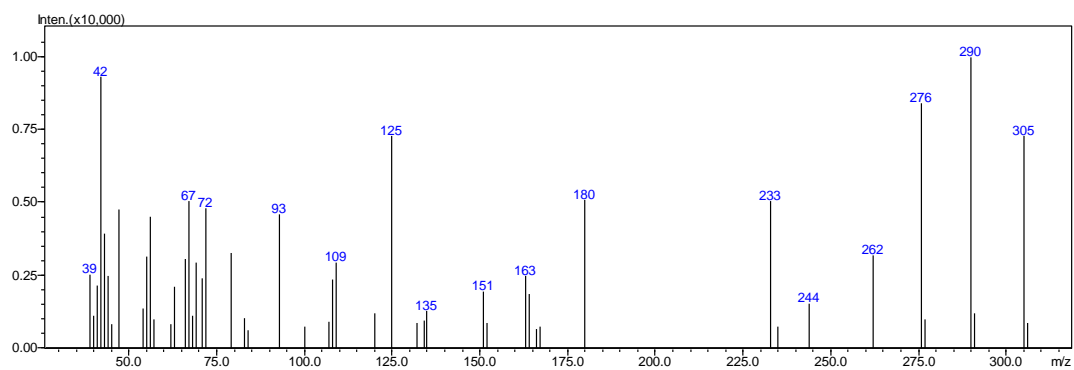
MW: 305

分子式: $C_{11}H_{20}N_3O_3PS$

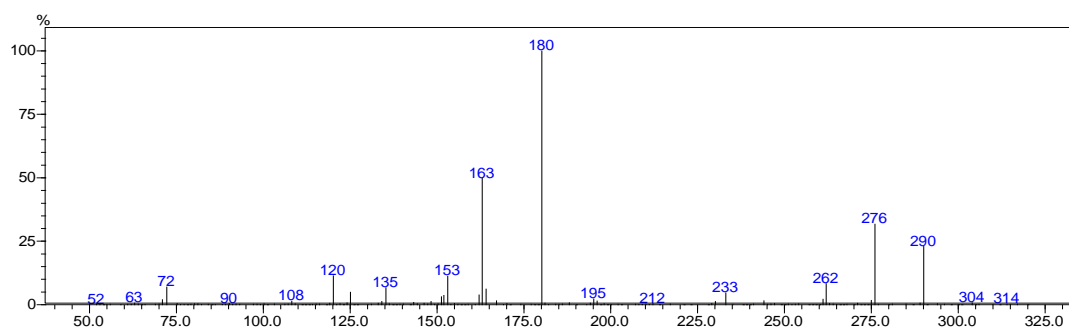
结构式:



Q3 scan



Product ion scan (m/z 305)



232. p,p'-DDD

化合物信息

CAS#: 72-54-8

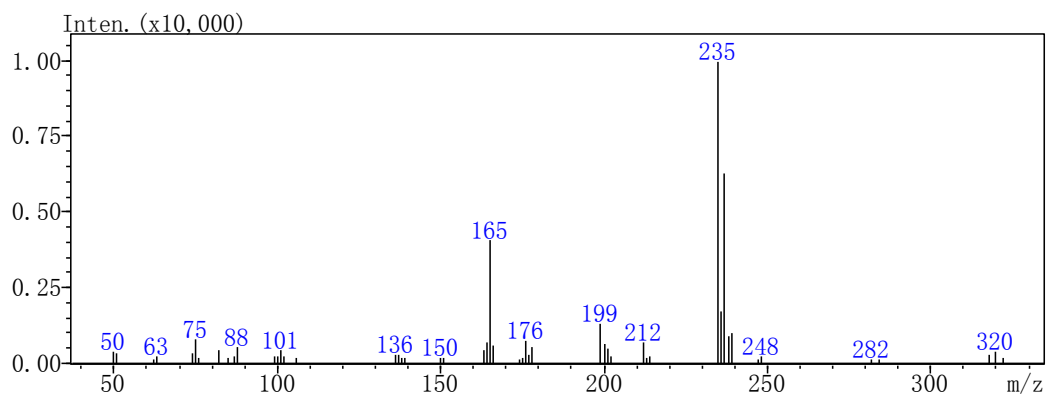
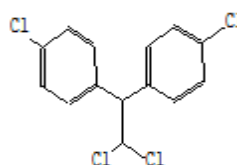
英文名称: p,p'-DDD

MW: 318

分子式: $C_{14}H_{10}Cl_4$

Q3 scan

结构式:



233. p,p'-DDE

化合物信息

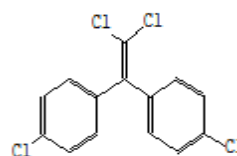
CAS#: 72-55-9

英文名称: p,p'-DDE

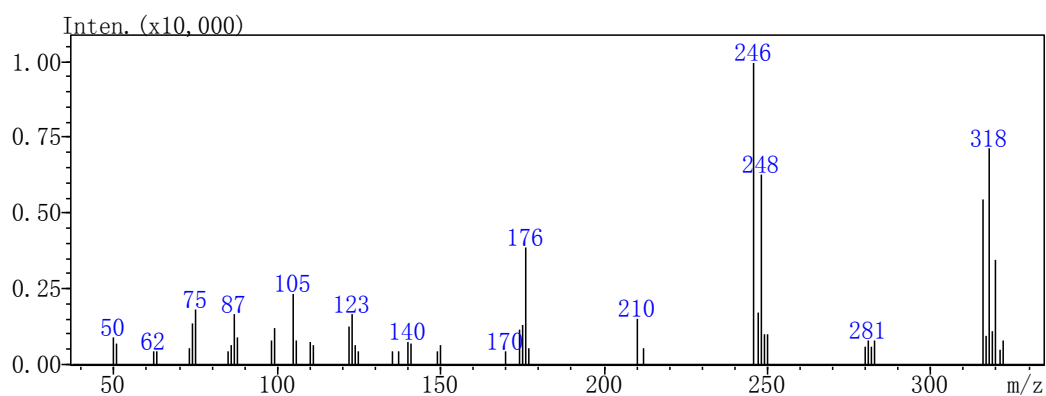
MW: 316

分子式: $C_{14}H_8Cl_4$

结构式:



Q3 scan



234. p,p'-DDT

化合物信息

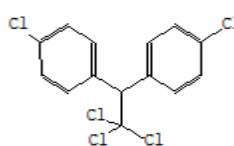
CAS#: 50-29-3

英文名称: p,p'-DDT

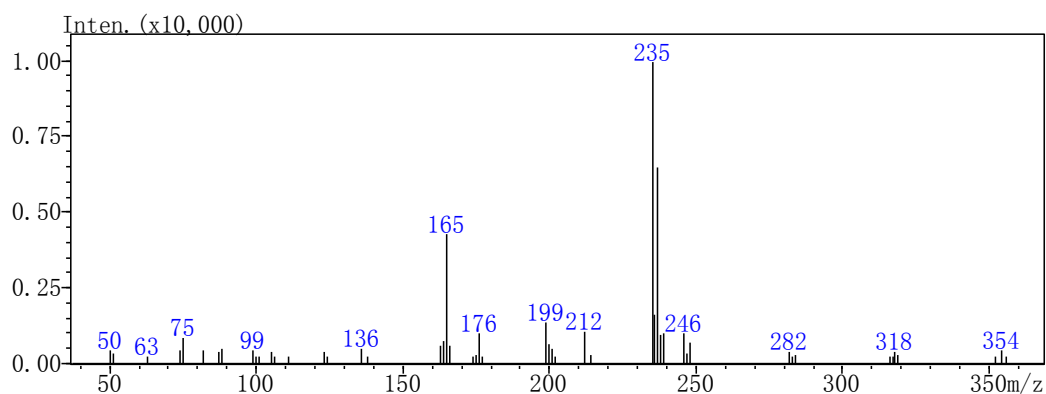
MW: 352

分子式: $C_{14}H_9Cl_5$

结构式:



Q3 scan



235. 丙草胺

化合物信息

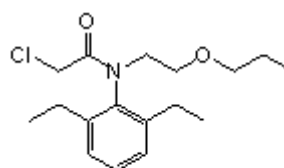
CAS#: 51218-49-6

英文名称: Pretilachlor

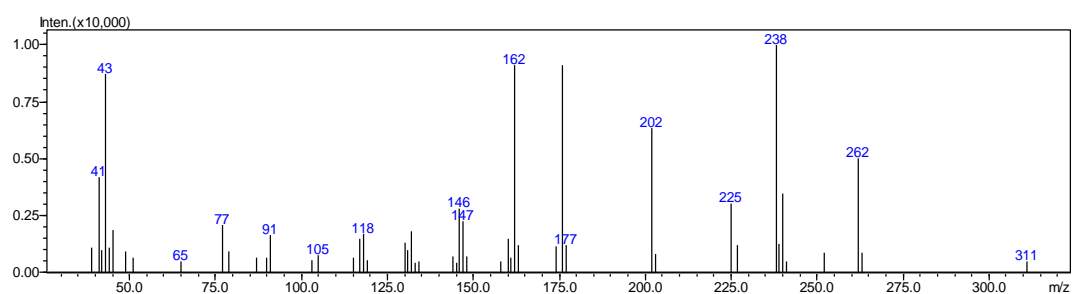
MW: 311

分子式: $C_{17}H_{26}ClNO_2$

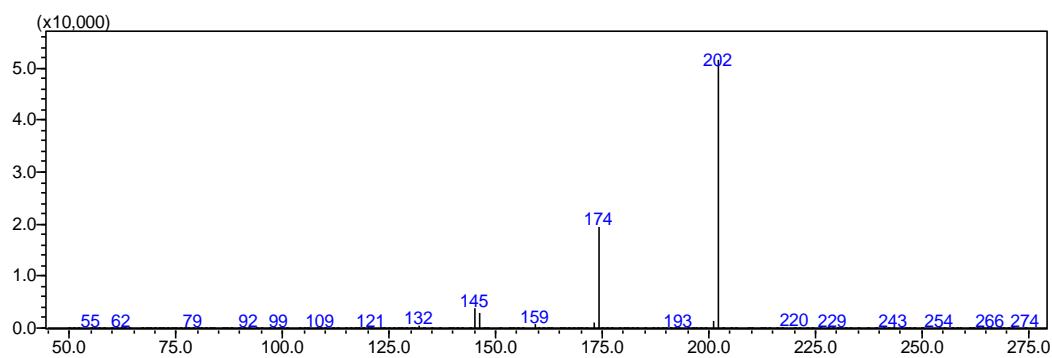
结构式:



Q3 scan



Product ion scan (m/z 262)



236. 腐霉利

化合物信息

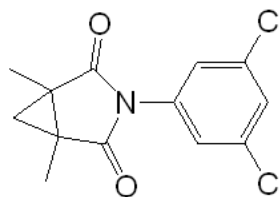
CAS#: 32809-16-8

英文名称: Procymidone

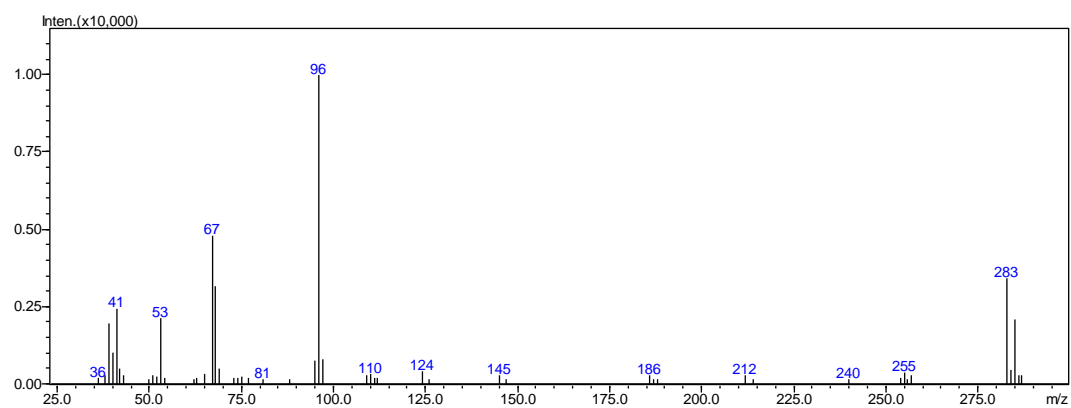
MW: 283

分子式: $C_{13}H_{11}Cl_2NO_2$

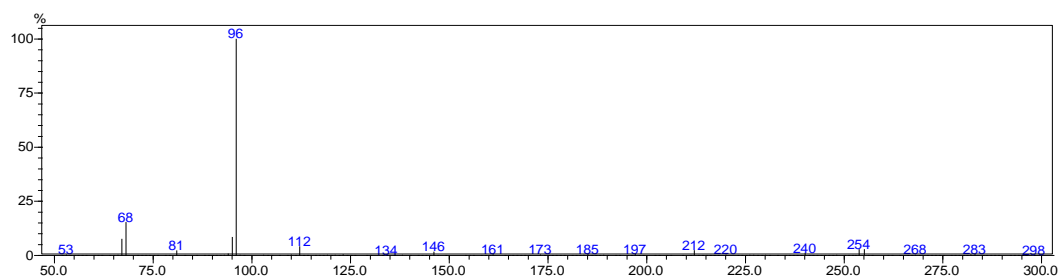
结构式:



Q3 scan



Product ion scan (m/z 283)



237. 丙溴磷

化合物信息

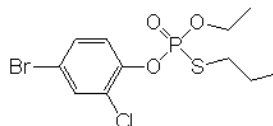
CAS#: 950-37-8

英文名称: Profenofos

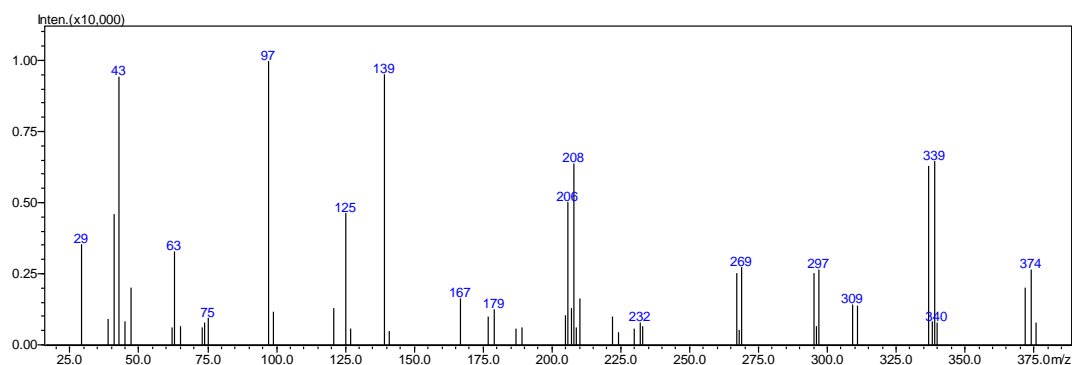
MW: 372

分子式: $C_{11}H_{15}BrClO_3PS$

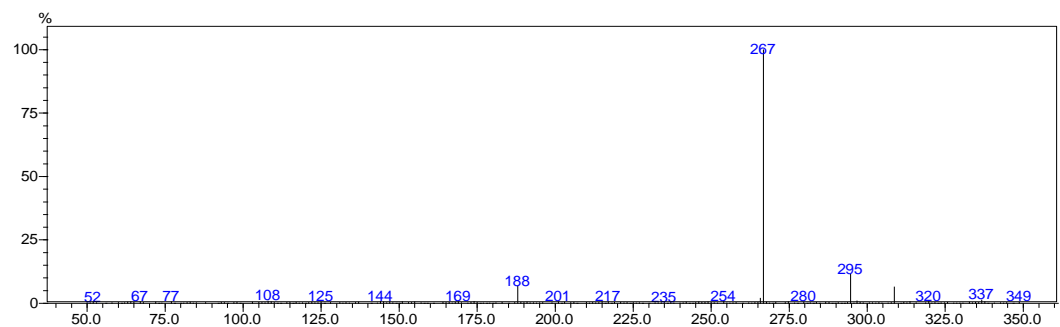
结构式:



Q3 scan



Product ion scan (m/z 337)



238. 扑草净

化合物信息

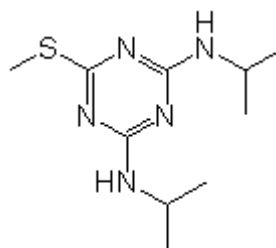
CAS#: 7287-19-6

英文名称: Prometryn

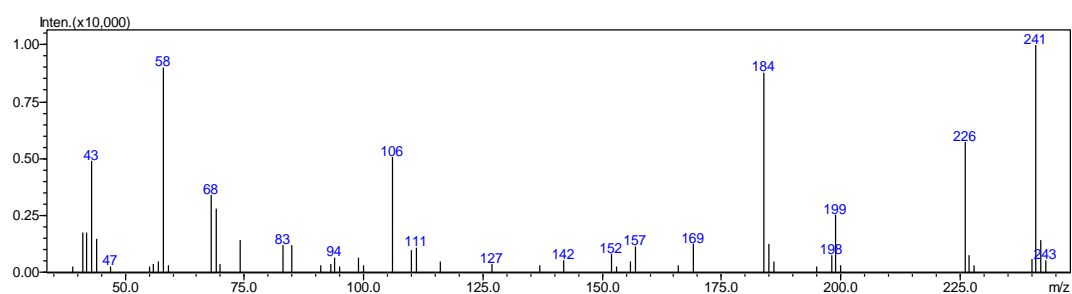
MW: 241

分子式: $C_{10}H_{19}N_5S$

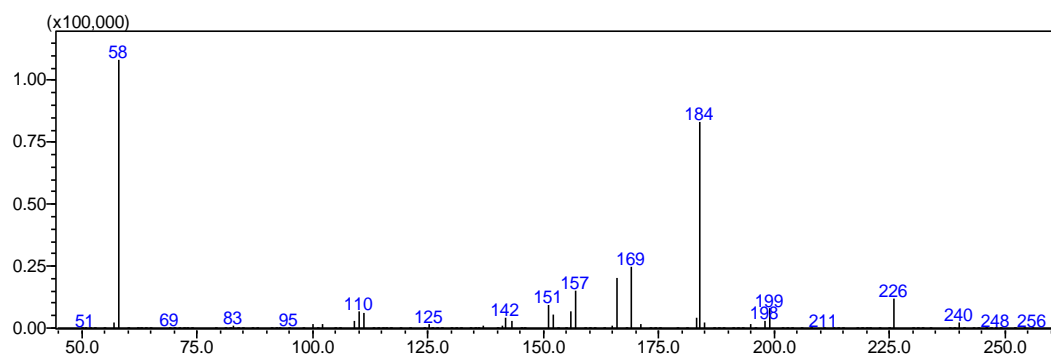
结构式:



Q3 scan



Product ion scan (m/z 241)



239. 毒草安

化合物信息

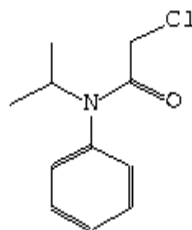
结构式:

CAS#:1918-16-7

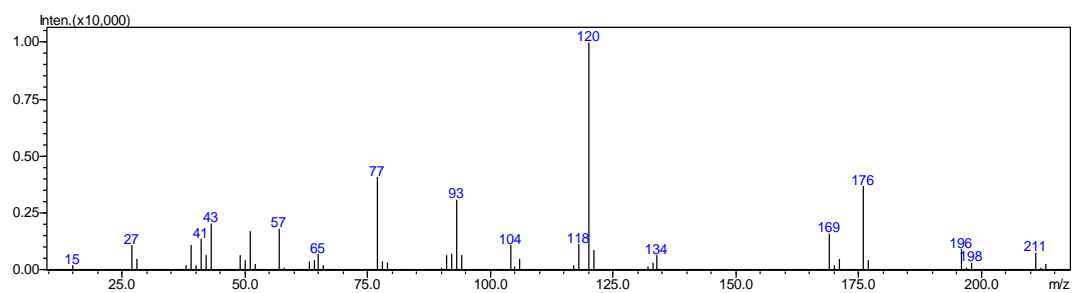
英文名称: Propachlor

MW: 211

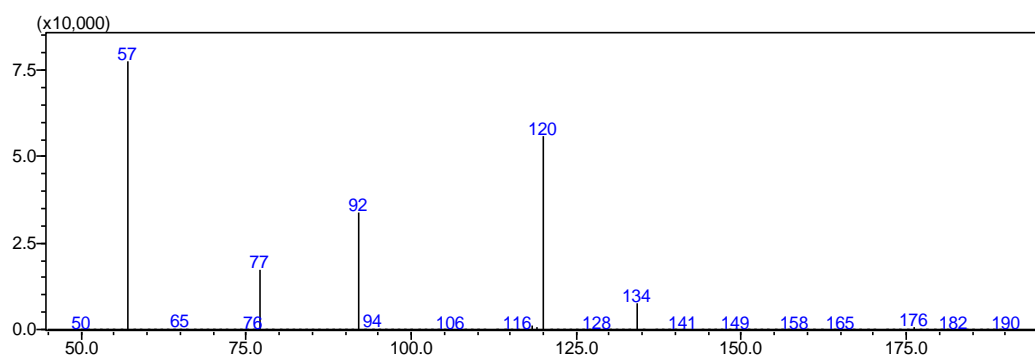
分子式: $C_{11}H_{14}ClNO$



Q3 scan



Product ion scan (m/z 176)



240. 敌稗

化合物信息

CAS#: 709-98-8

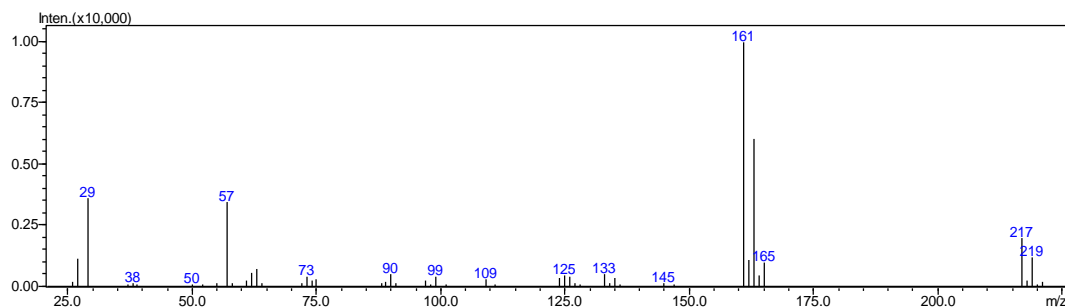
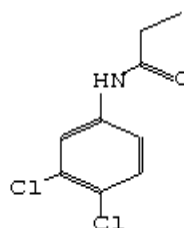
英文名称: Propanil

MW: 217

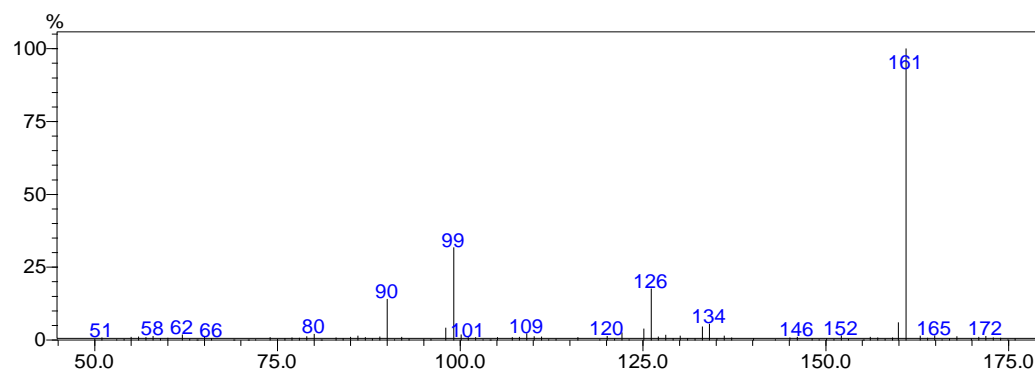
分子式: $C_8H_7Cl_2NO_2$

Q3 scan

结构式:



Product ion scan (m/z 161)



241. 丙虫磷

化合物信息

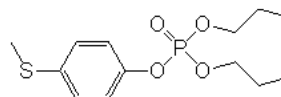
CAS#: 7292-16-2

英文名称: Propaphos

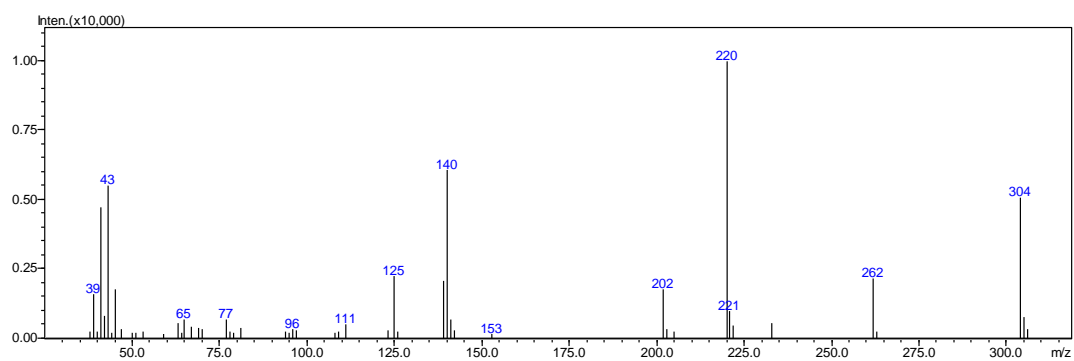
MW: 304

分子式: $C_{13}H_{21}O_4PS$

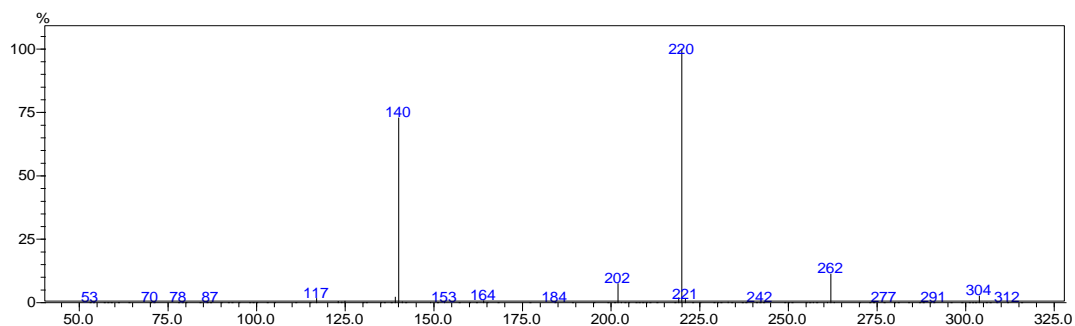
结构式:



Q3 scan



Product ion scan (m/z 304)



242. 克螨特

化合物信息

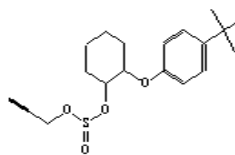
CAS#: 2312-35-8

英文名称: Propargite

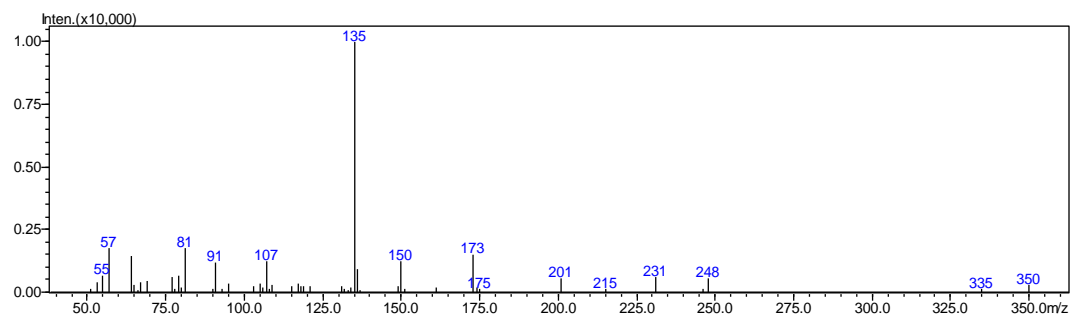
MW: 350

分子式: $C_{19}H_{26}O_4S$

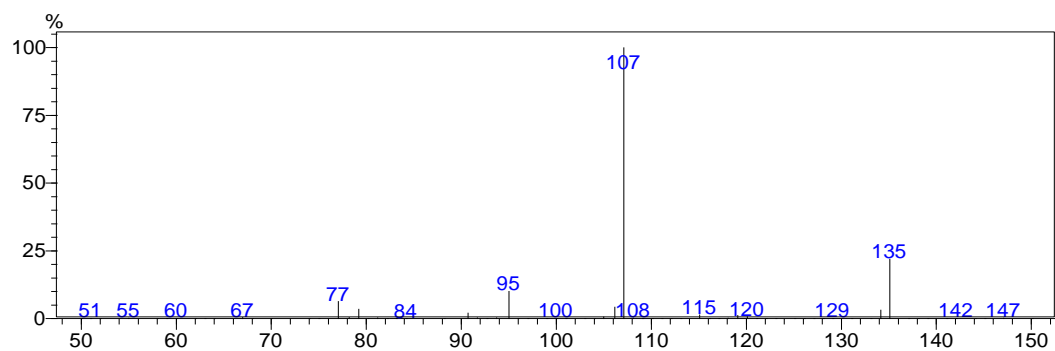
结构式:



Q3 scan



Product ion scan (m/z 135)



243. 扑灭津

化合物信息

CAS#:139-40-2

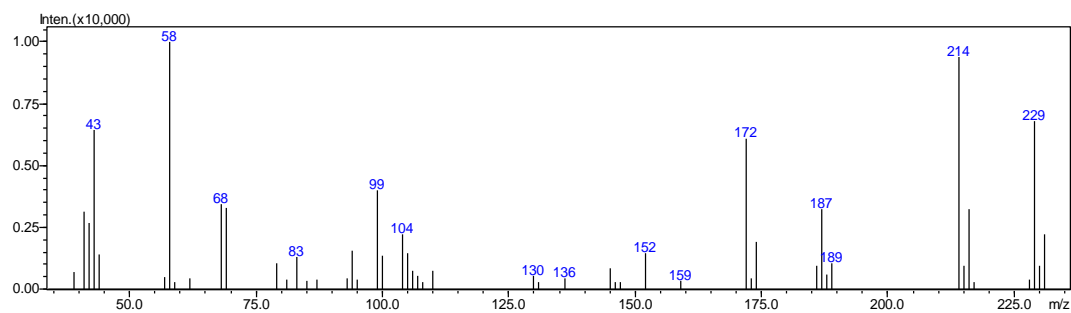
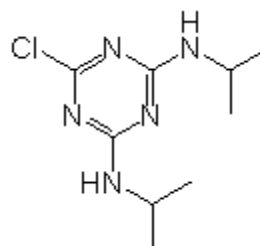
英文名称: Propazine

MW: 229

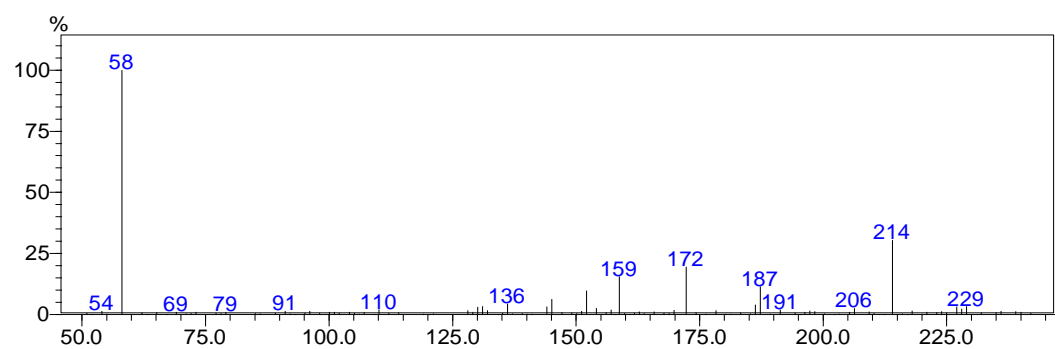
分子式: C₉H₁₆ClN₅

Q3 scan

结构式:



Product ion scan (m/z 229)



244. 丙环唑

化合物信息

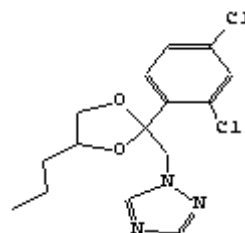
CAS#: 60207-90-1

英文名称: Propiconazole

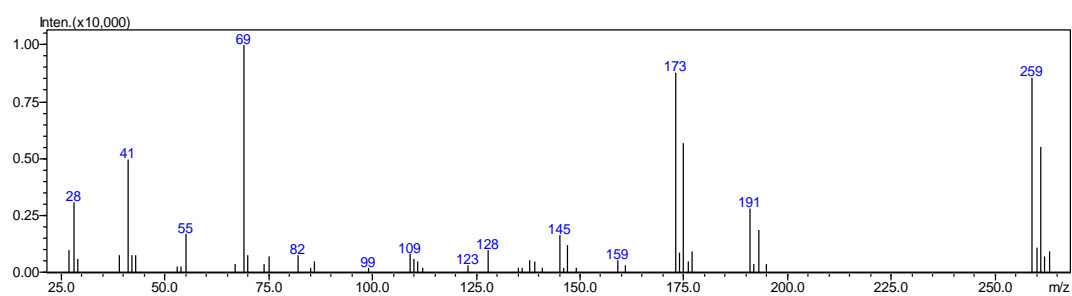
MW: 341

分子式: C₁₅H₁₇Cl₂N₃O₂

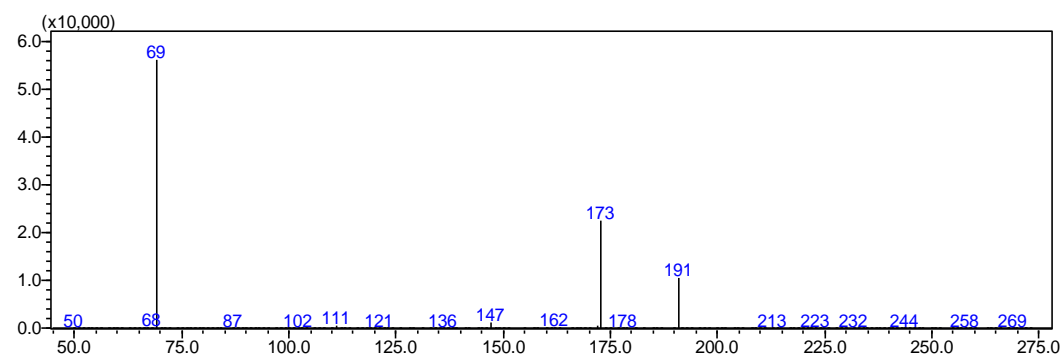
结构式:



Q3 scan



Product ion scan (m/z 259)



245. 残杀威

化合物信息

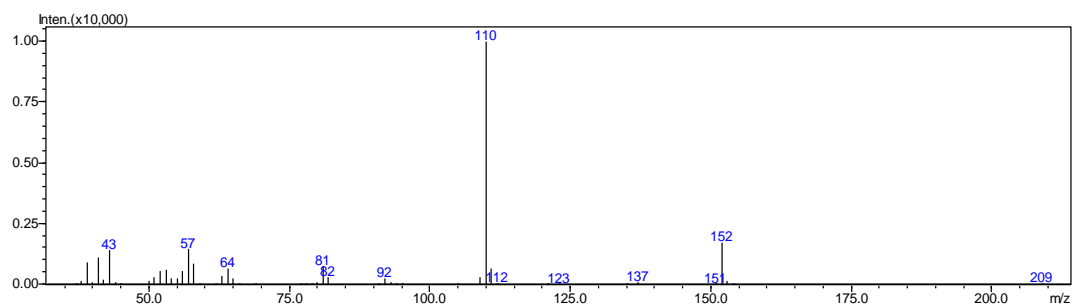
CAS#:114-26-1

英文名称: Propoxur

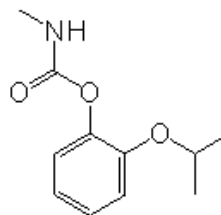
MW: 209

分子式: $C_{11}H_{15}NO_3$

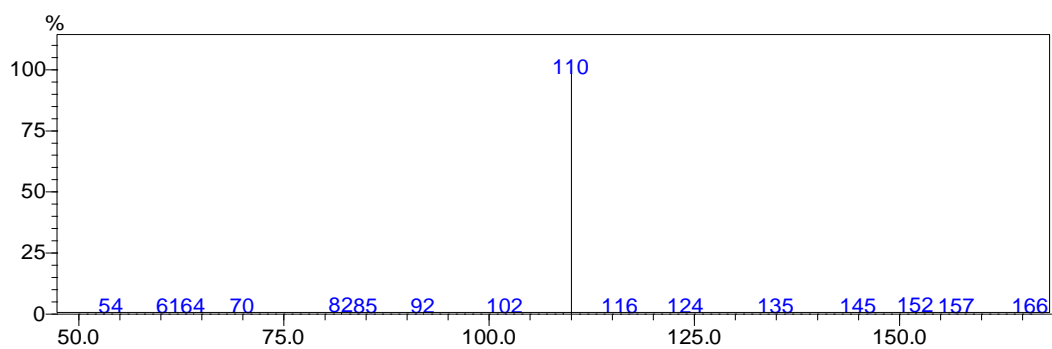
Q3 scan



结构式:



Product ion scan (m/z 152)



246. 戊炔草胺

化合物信息

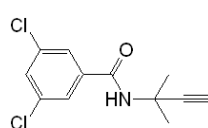
CAS#: 23950-58-5

英文名称: Propyzamide

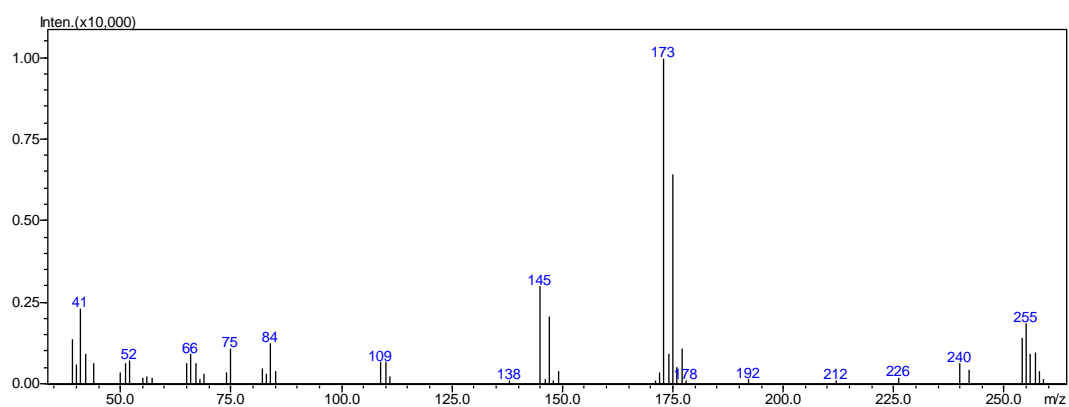
MW: 255

分子式: $C_{12}H_{11}Cl_2NO$

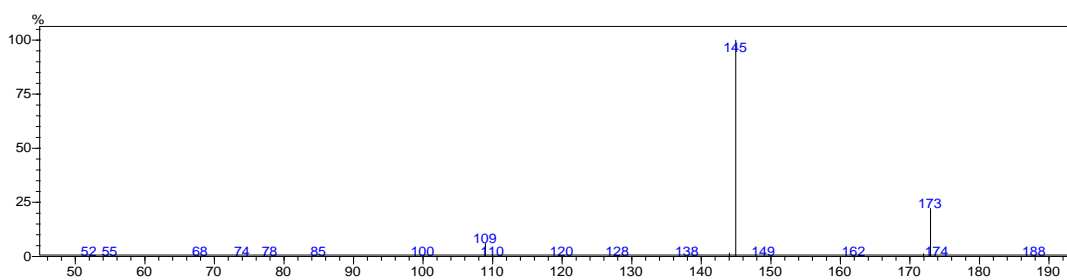
结构式:



Q3 scan



Product ion scan (m/z 173)



247. 丙硫磷

化合物信息

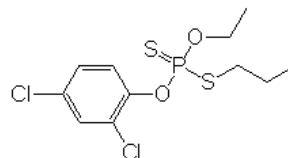
CAS#: 34643-46-4

英文名称: Prothiofos

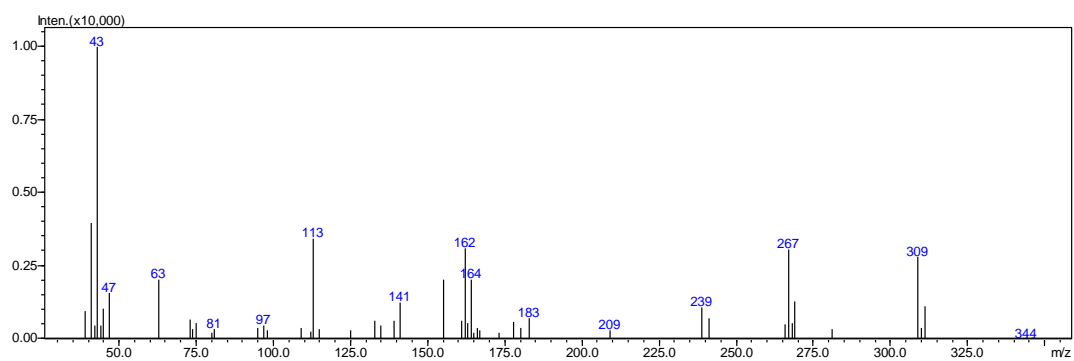
MW: 344

分子式: $C_{11}H_{15}Cl_2O_2PS_2$

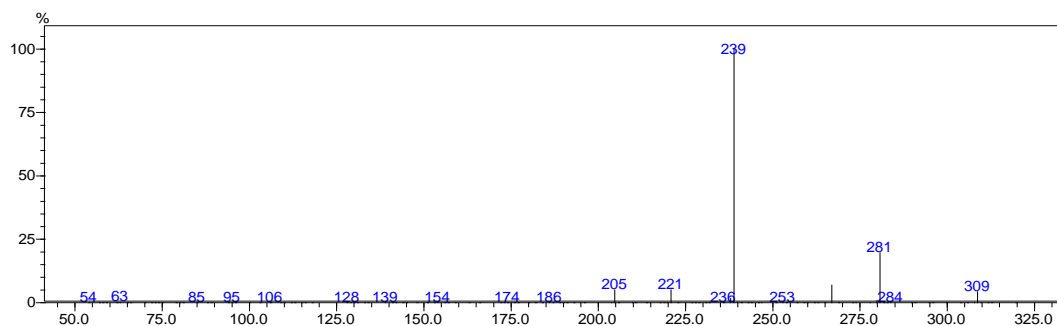
结构式:



Q3 scan



Product ion scan (m/z 309)



248. 吡唑硫磷

化合物信息

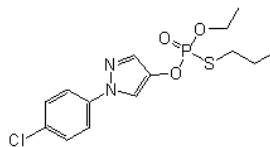
CAS#: 77458-01-6

英文名称: Pyraclofos

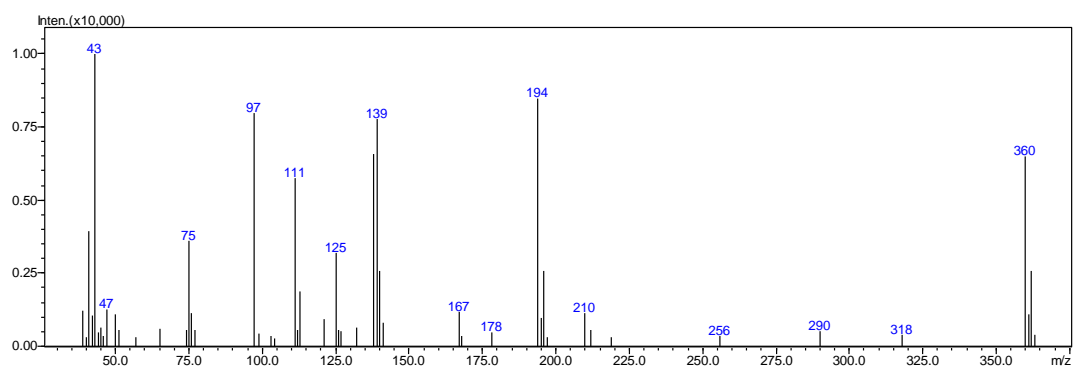
MW: 360

分子式: $C_{14}H_{18}ClN_2O_3PS$

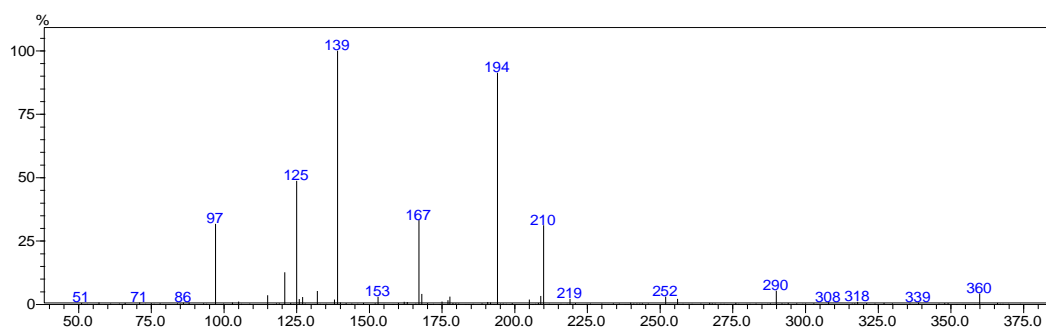
结构式:



Q3 scan



Product ion scan (m/z 360)



249. 吡嘧磷

化合物信息

CAS#: 13457-18-6

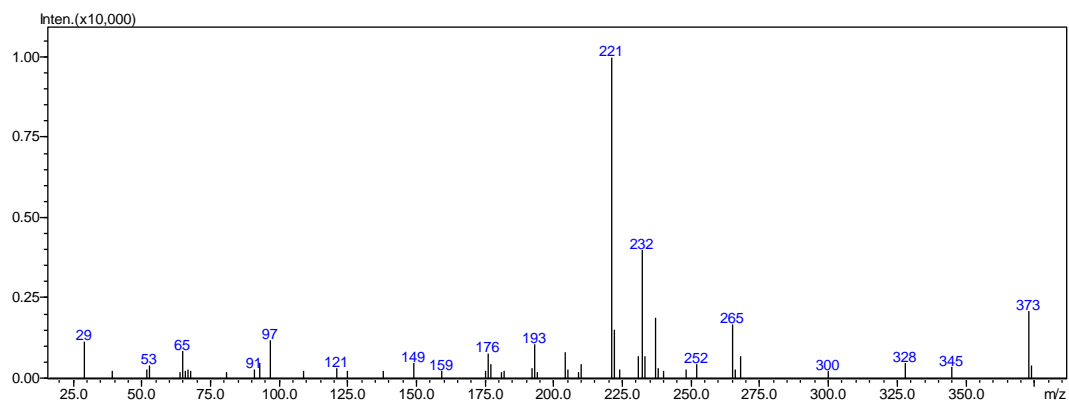
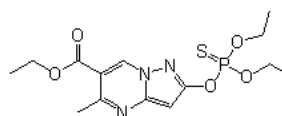
英文名称: Pyrazophos

MW: 373

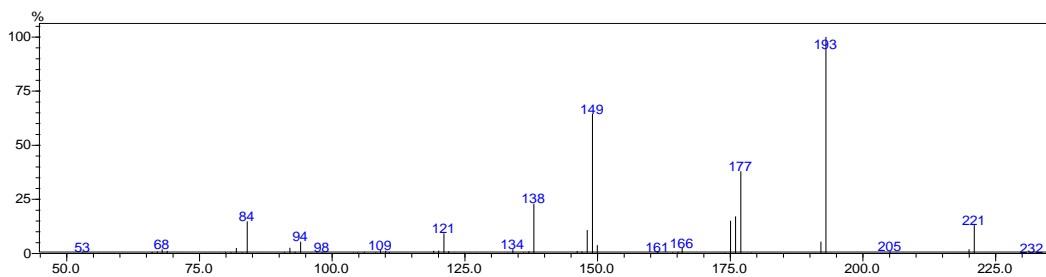
分子式: $C_{14}H_{20}N_3O_5PS$

Q3 scan

结构式:



Product ion scan (m/z 221)



250. 苯草唑

化合物信息

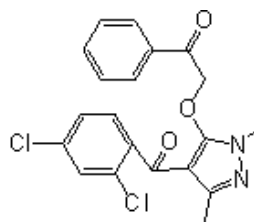
CAS#: 71561-11-0

英文名称: Pyrazoxyfen

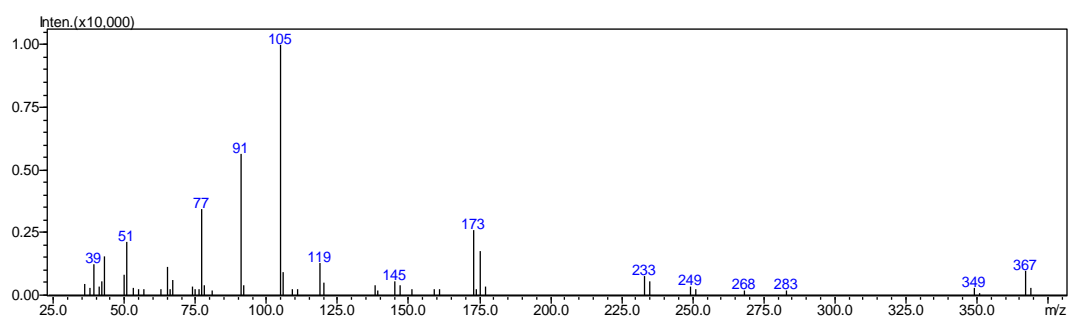
MW: 402

分子式: $C_{20}H_{16}Cl_2N_2O_3$

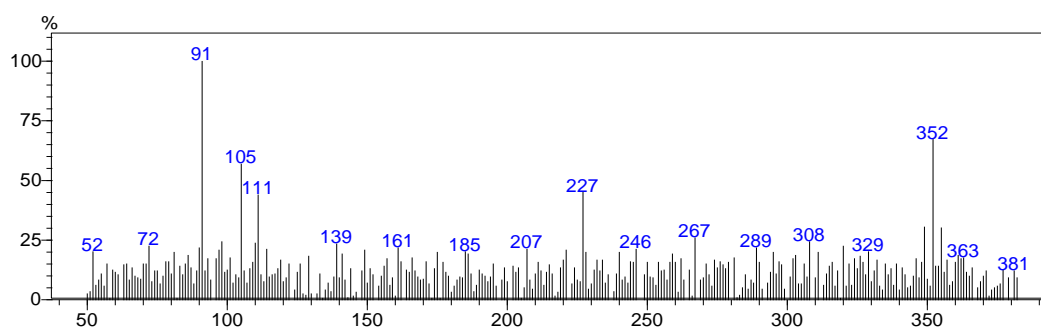
结构式:



Q3 scan



Product ion scan (m/z 367)



251. 稗草丹

化合物信息

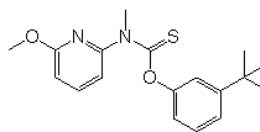
CAS#: 88678-67-5

英文名称: Pyributicarb

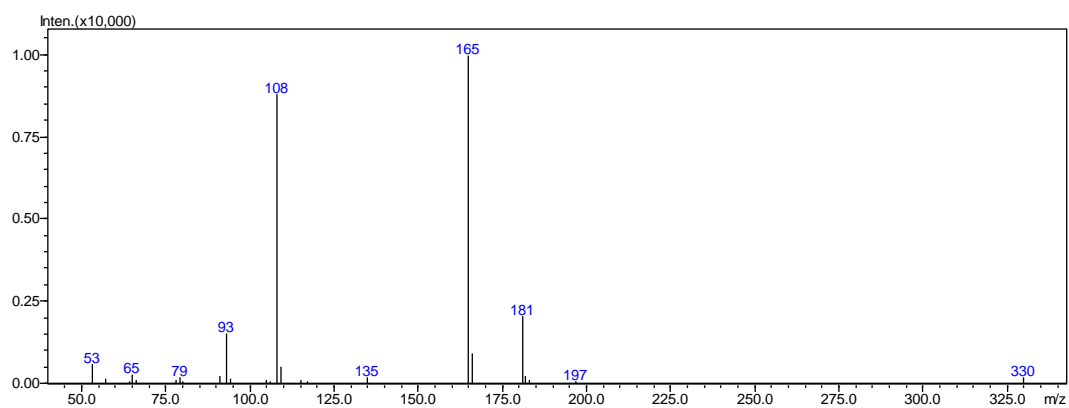
MW: 330

分子式: $C_{18}H_{22}N_2O_2S$

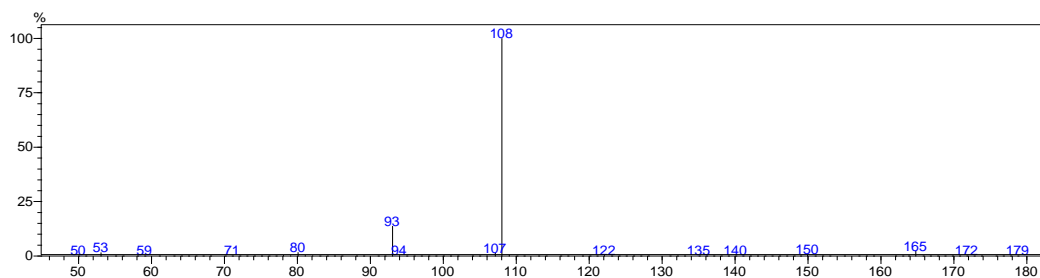
结构式:



Q3 scan



Product ion scan (m/z 165)



252. 吡蚜灵

化合物信息

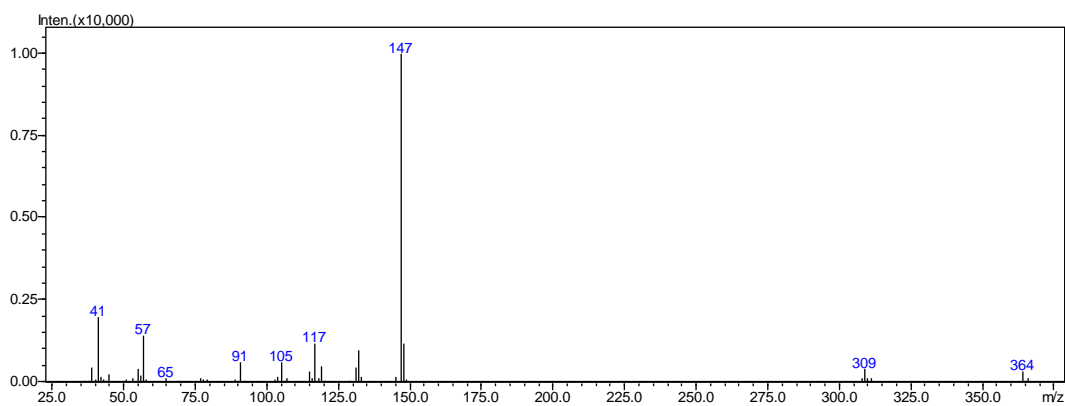
CAS#: 96489-71-3

英文名称: Pyridaben

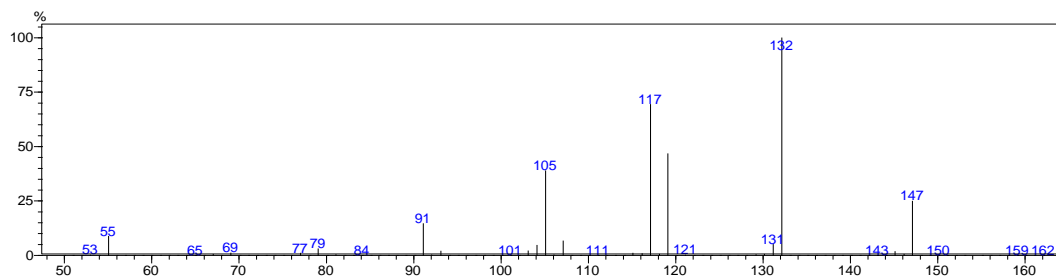
MW: 364

分子式: $C_{19}H_{25}ClN_2OS$

Q3 scan



Product ion scan (m/z 147)



253. 吡啶硫磷

化合物信息

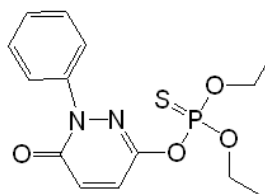
CAS#: 119-12-0

英文名称: Pyridaphenthion

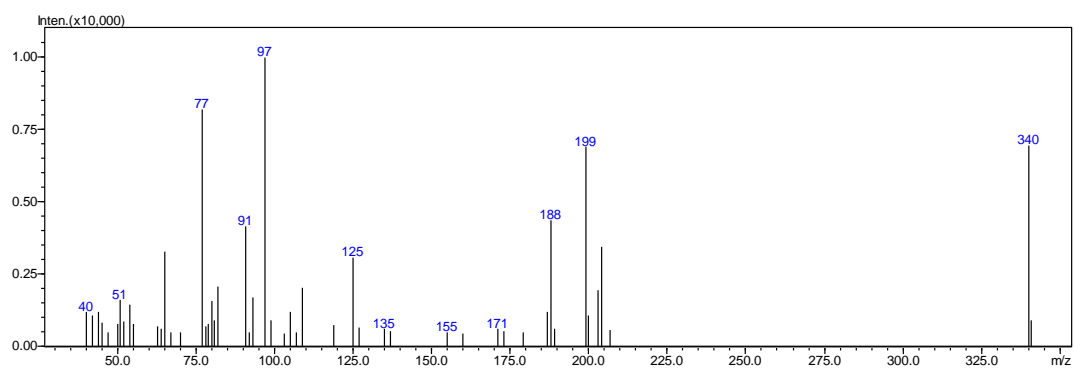
MW: 340

分子式: $C_{14}H_{17}N_2O_4PS$

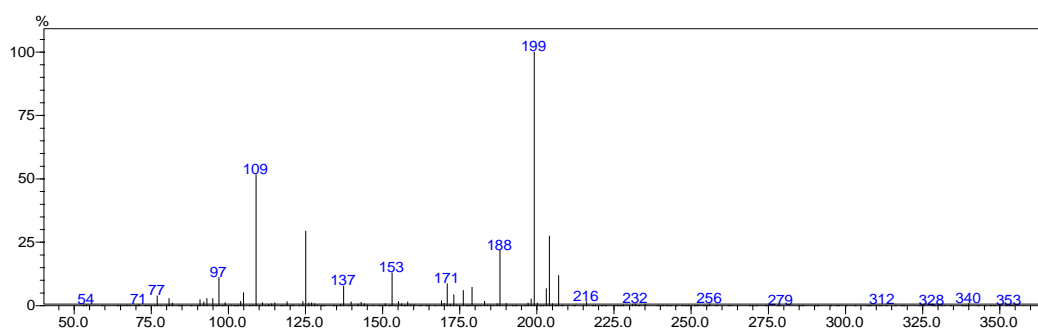
结构式:



Q3 scan



Product ion scan (m/z 340)



254. 嘧啶醚

化合物信息

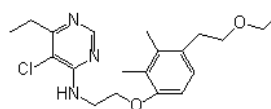
CAS#: 105779-78-0

英文名称: Pyrimidifen

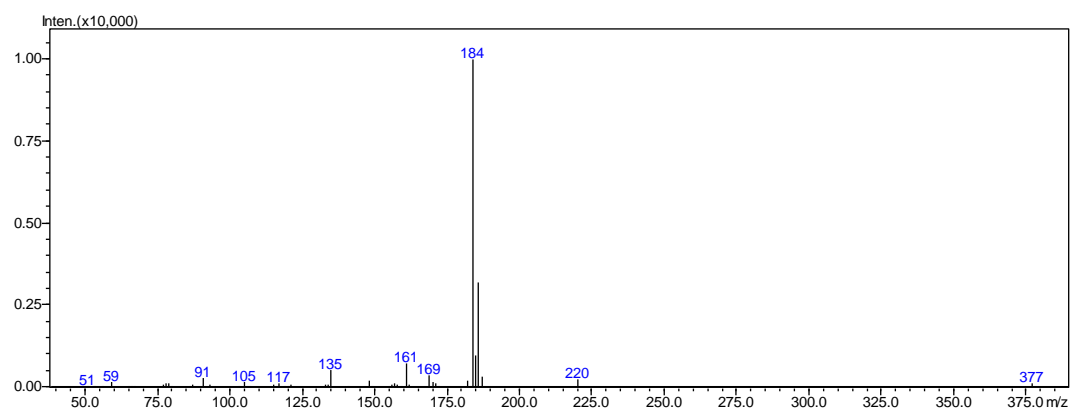
MW: 377

分子式: $C_{20}H_{28}N_3O_2Cl$

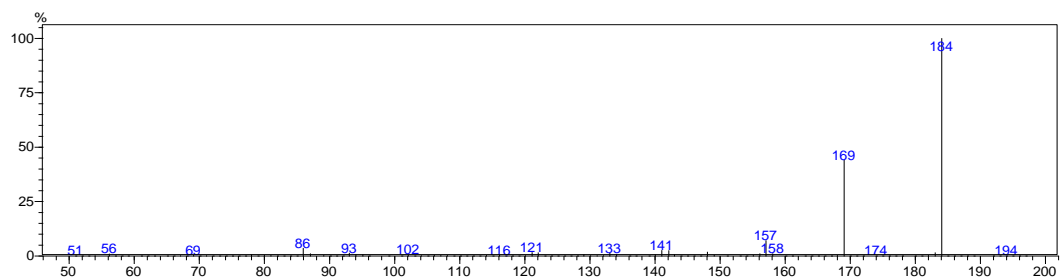
结构式:



Q3 scan



Product ion scan (m/z 184)



255. (E)-嘧草醚

化合物信息

CAS#: 147411-69-6

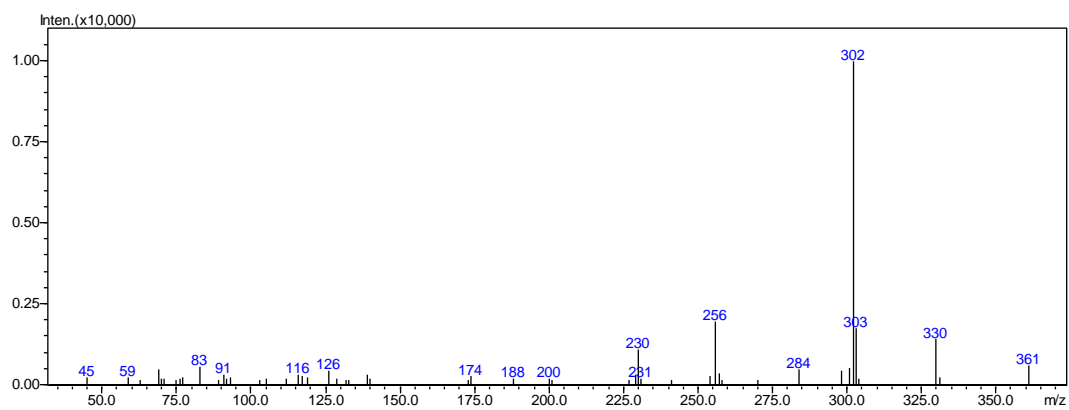
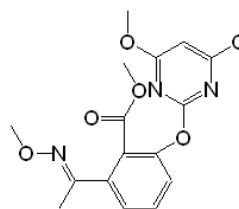
英文名称: (E)-Pyriminobac-methyl

MW: 361

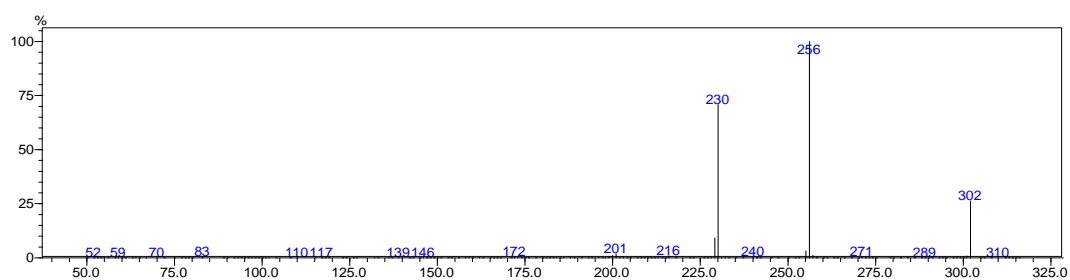
分子式: $C_{17}H_{19}N_3O_6$

Q3 scan

结构式:



Product ion scan (m/z 302)



256. (Z)-嘧草醚

化合物信息

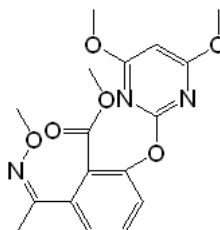
CAS#: 147411-70-9

英文名称: (Z)-Pyriminobac-methyl

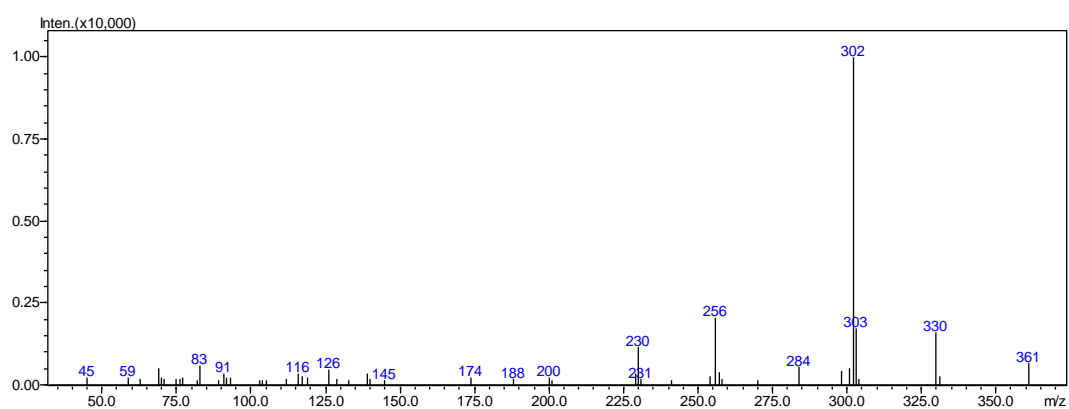
MW: 361

分子式: $C_{17}H_{19}N_3O_6$

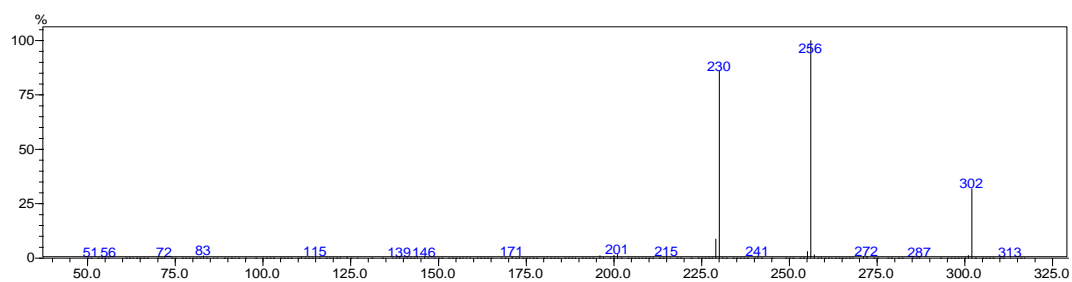
结构式:



Q3 scan



Product ion scan (m/z 302)



257. 蚊蝇醚

化合物信息

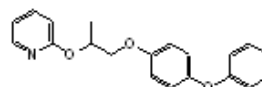
CAS#: 95737-68-1

英文名称: Pyriproxyfen

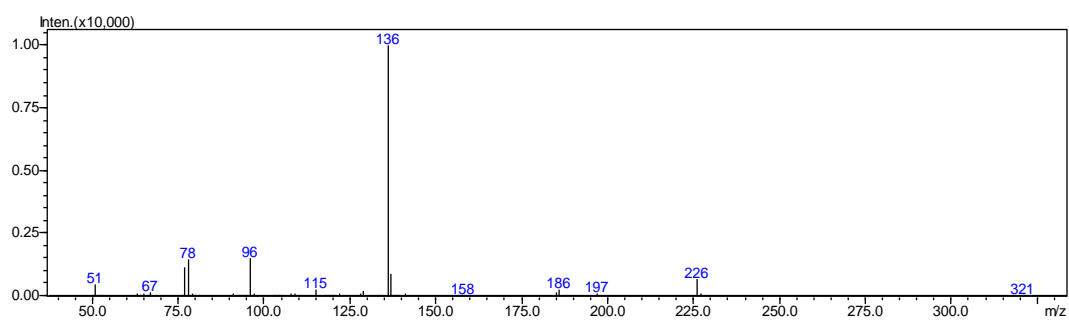
MW: 321

分子式: $C_{20}H_{19}NO_3$

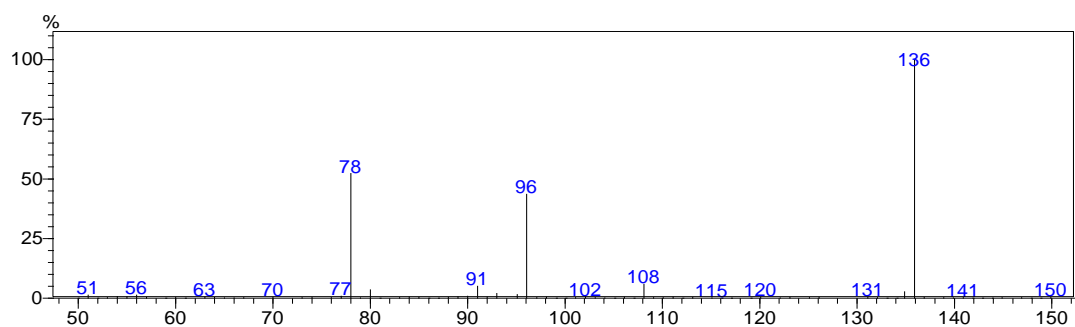
结构式:



Q3 scan



Product ion scan (m/z 136)



258. 百快隆

化合物信息

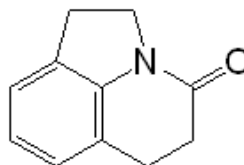
CAS#: 57369-32-1

英文名称: Pyroquilon

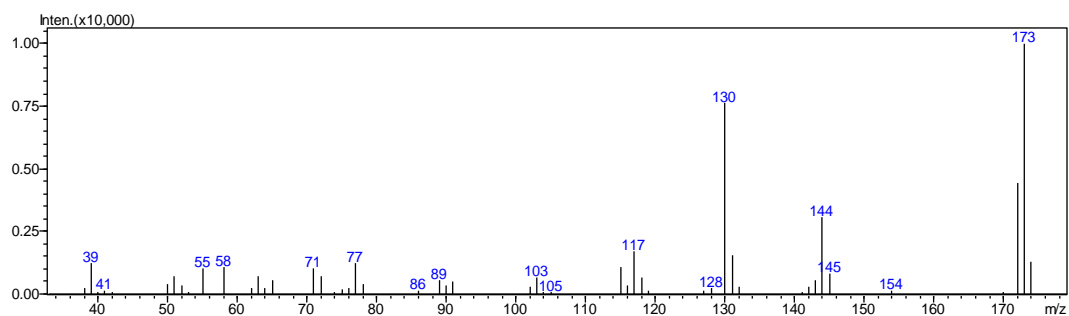
MW: 173

分子式: $C_{11}H_{11}NO$

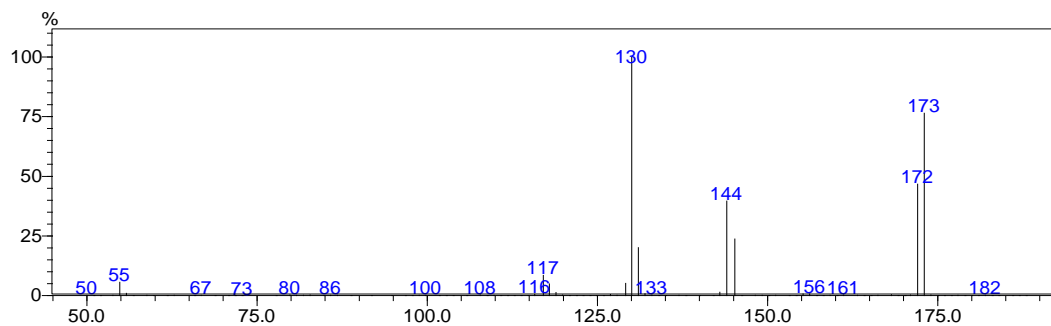
结构式:



Q3 scan



Product ion scan (m/z 173)



259. 喹硫磷

化合物信息

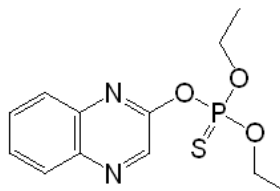
CAS#: 13593-03-8

英文名称: Quinalphos

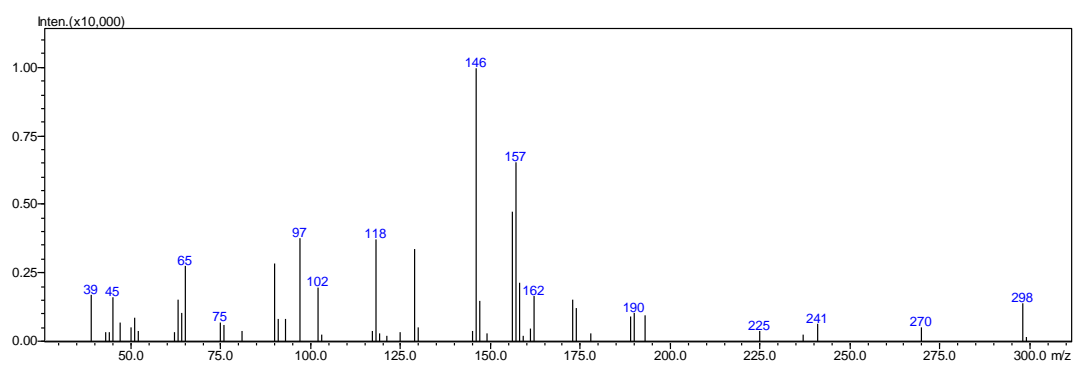
MW: 298

分子式: $C_{12}H_{15}N_2O_3PS$

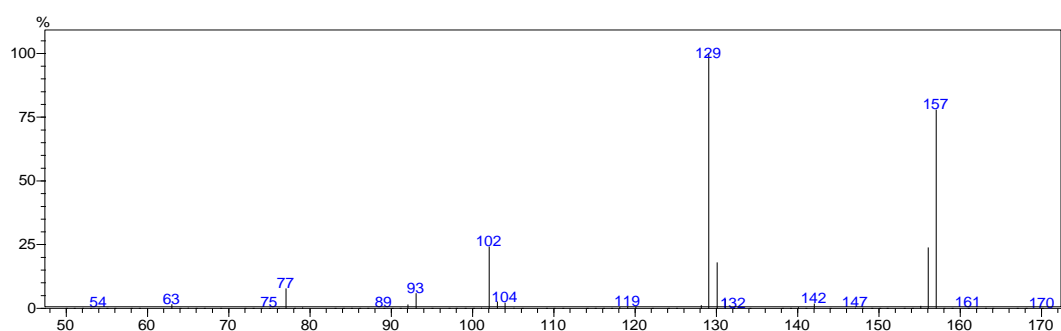
结构式:



Q3 scan



Product ion scan (m/z 157)



260. 灭藻醌

化合物信息

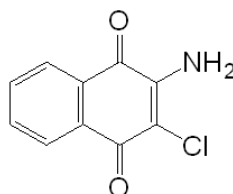
CAS#: 2797-51-5

英文名称: Quinoclamine

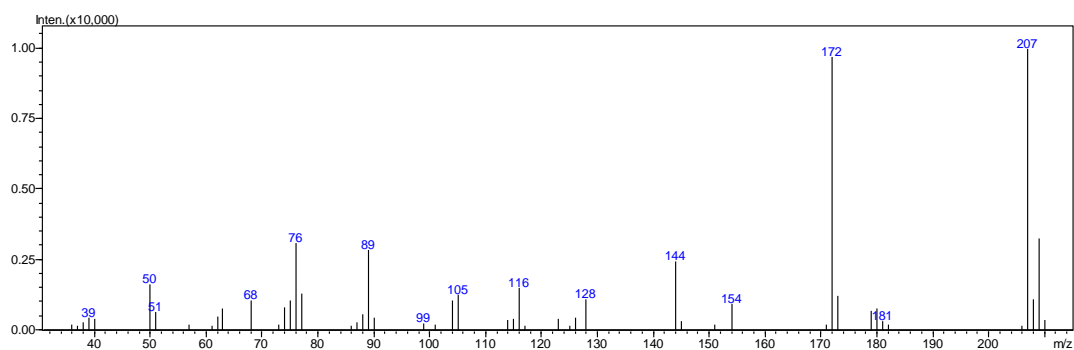
MW: 207

分子式: $C_{10}H_6ClNO_2$

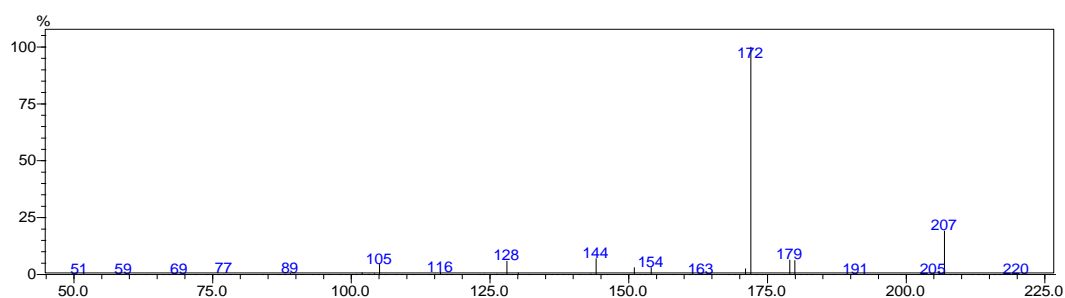
结构式:



Q3 scan



Product ion scan (m/z 207)



261. 喹氧灵

化合物信息

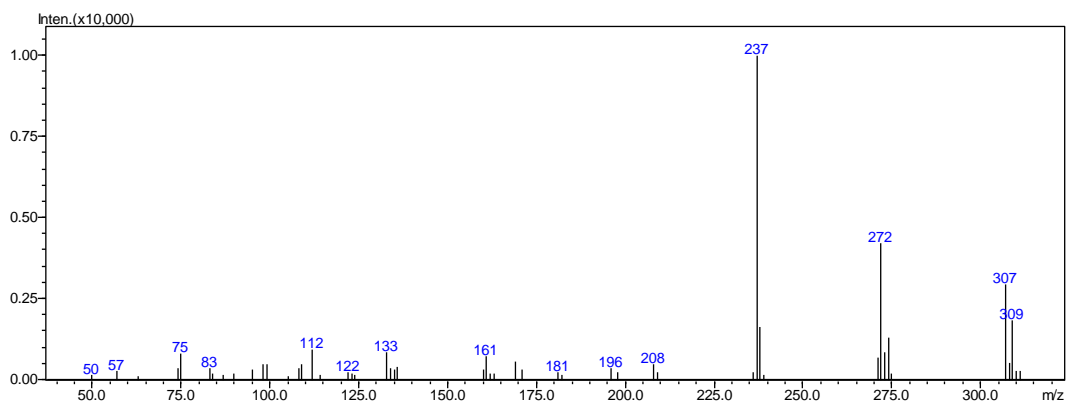
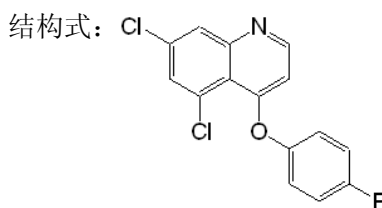
CAS#: 124495-18-7

英文名称: Quinoxifen

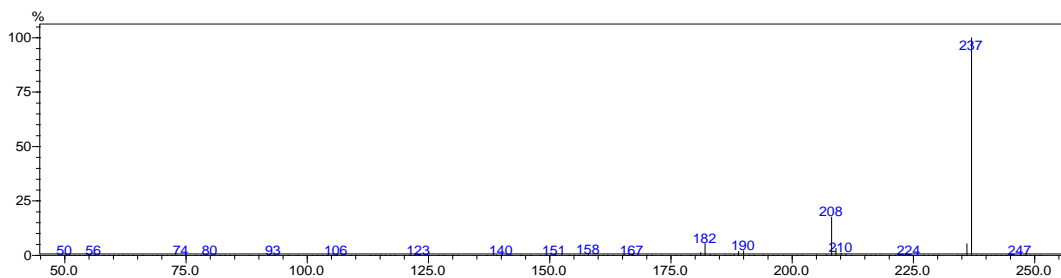
MW: 307

分子式: $C_{15}H_8Cl_2FNO$

Q3 scan



Product ion scan (m/z 237)



262. 五氯硝基苯

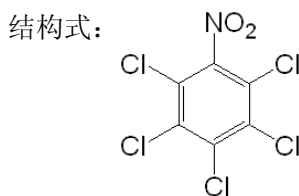
化合物信息

CAS#: 82-68-8

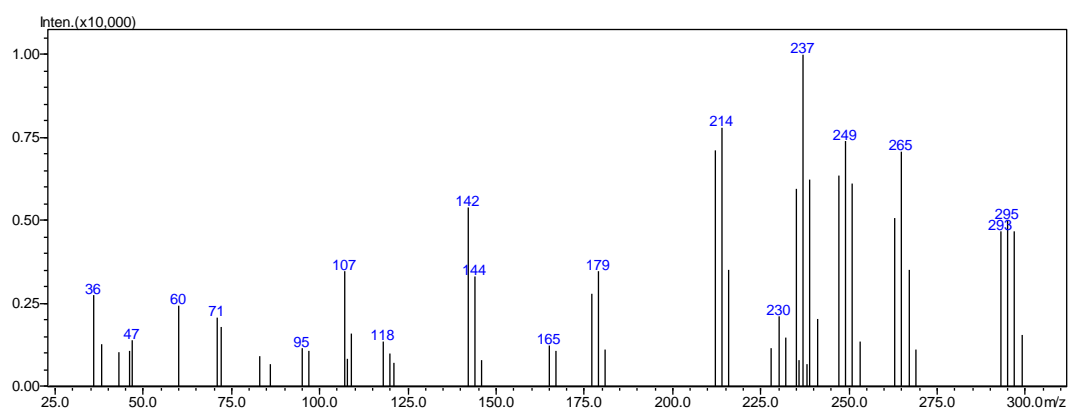
英文名称: Quintozene

MW: 293

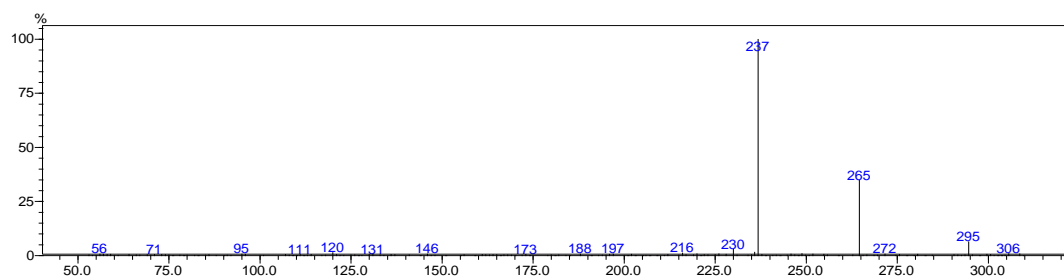
分子式: $C_6Cl_5NO_2$



Q3 scan



Product ion scan (m/z 295)



263. 苯呋菊酯

化合物信息

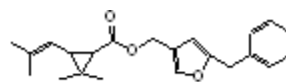
结构式:

CAS#:10453-86-8

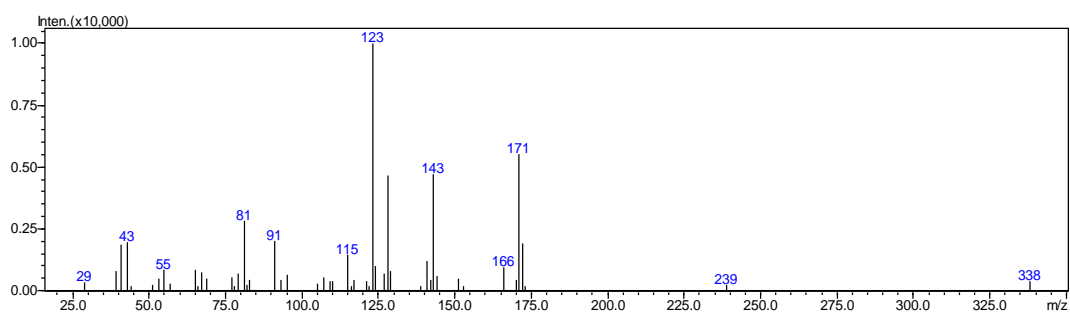
英文名称: Resmethrin

MW: 338

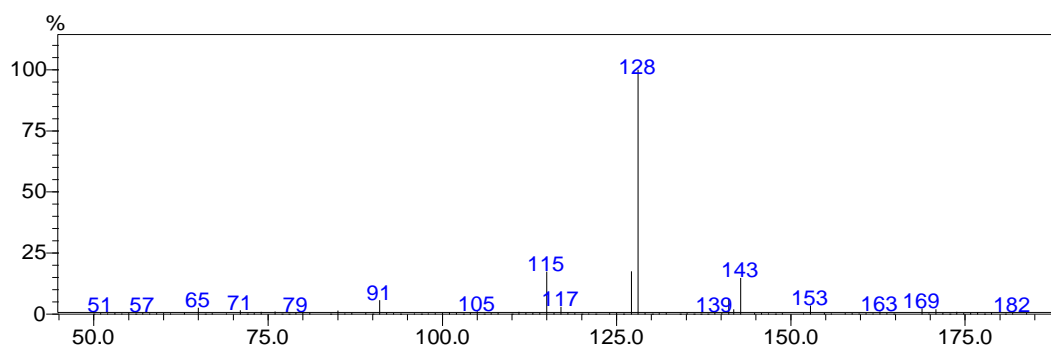
分子式: $C_{22}H_{26}O_3$



Q3 scan



Product ion scan (m/z 171)



264. 蔬果磷

化合物信息

CAS#: 3811-49-2

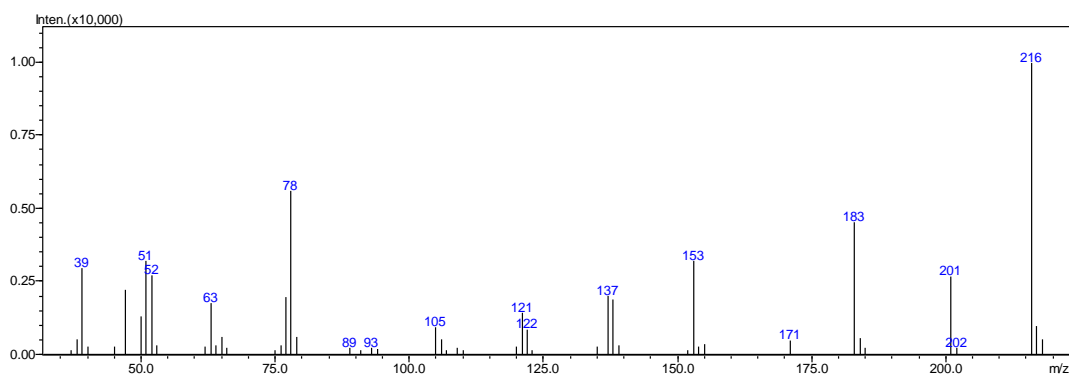
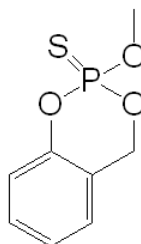
英文名称: Dioxabenzofos

MW: 216

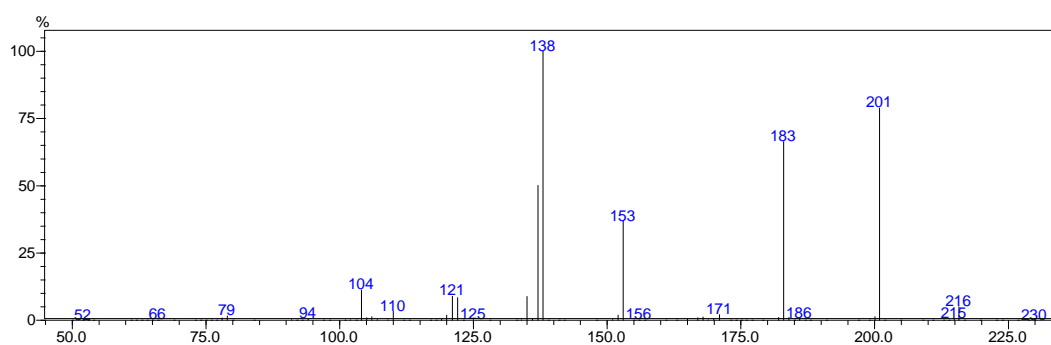
分子式: C₈H₉O₃PS

Q3 scan

结构式:



Product ion scan (m/z 216)



265. 硅醚菊酯

化合物信息

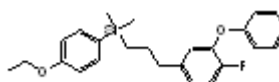
CAS#: 105024-66-6

英文名称: Silafluofen

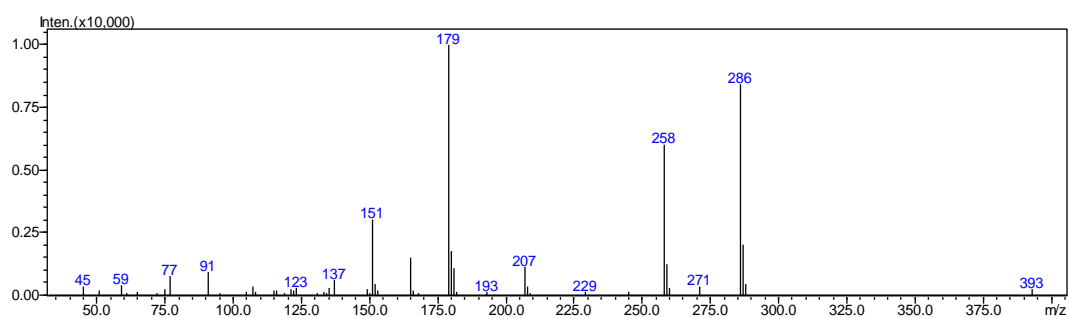
MW: 408

分子式: C₂₅H₂₉FO₂Si

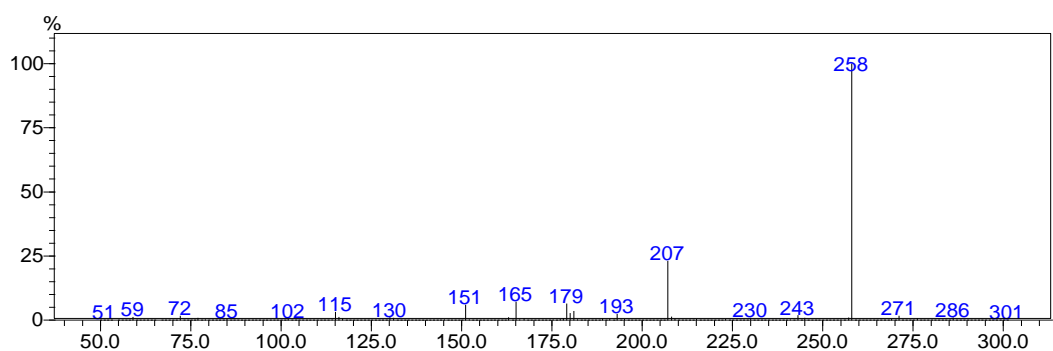
结构式:



Q3 scan



Product ion scan (m/z 286)



266. 西玛津

化合物信息

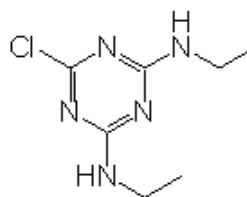
CAS#: 122-34-9

英文名称: Simazine

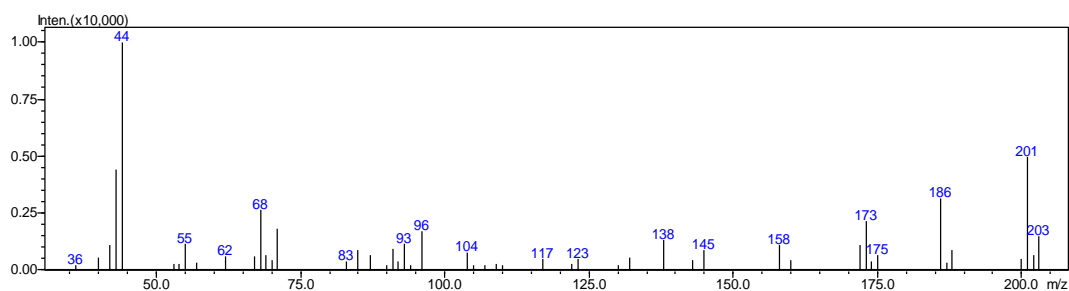
MW: 201

分子式: $C_7H_{12}ClN_5$

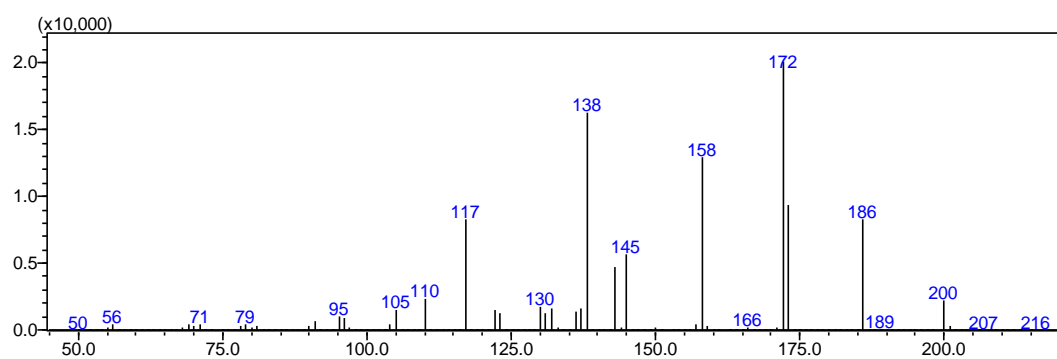
结构式:



Q3 scan



Product ion scan (m/z 201)



267. 硅氟唑

化合物信息

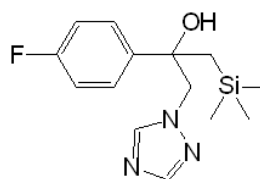
CAS#: 149508-90-7

英文名称: Simeconazole

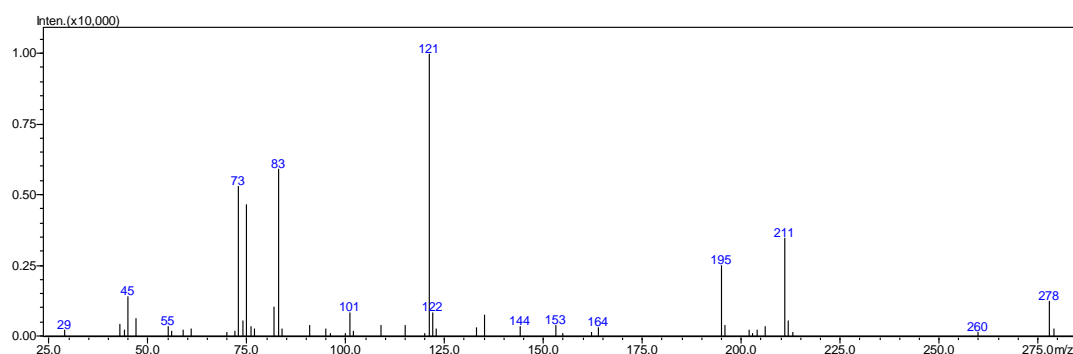
MW: 293

分子式: $C_{14}H_{20}FN_3OSi$

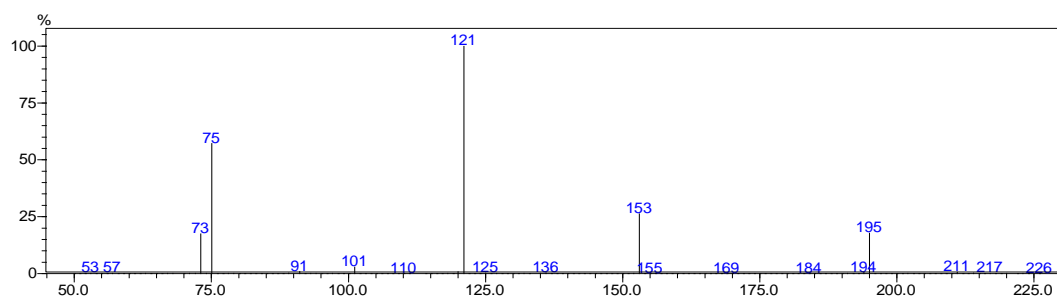
结构式:



Q3 scan



Product ion scan (m/z 211)



268. 西草净

化合物信息

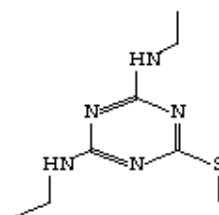
CAS#: 1014-70-6

英文名称: Simetryn

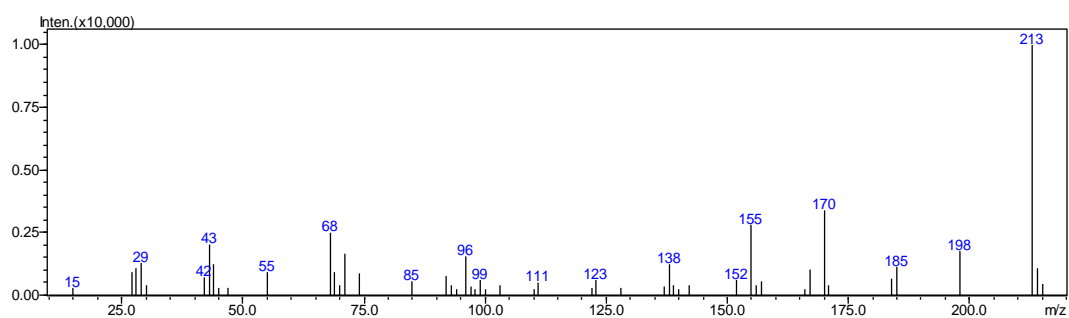
MW: 213

分子式: $C_8H_{15}N_5S$

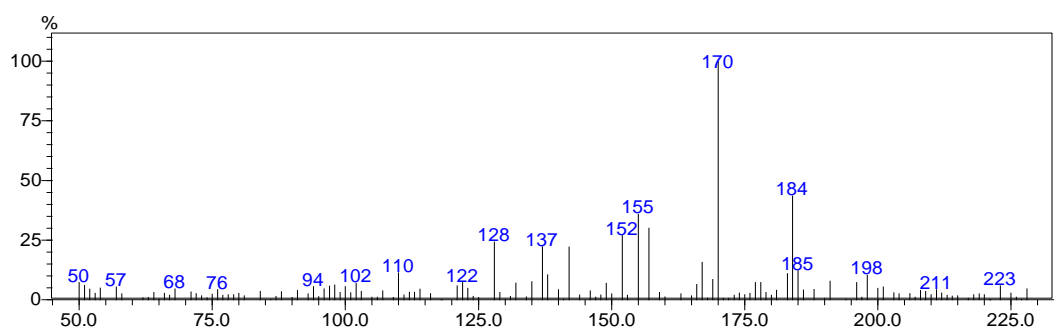
结构式:



Q3 scan



Product ion scan (m/z 213)



269. 螺环菌胺

化合物信息

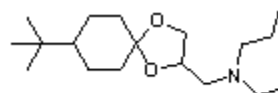
CAS#:118134-30-8

英文名称: Spiroxamine

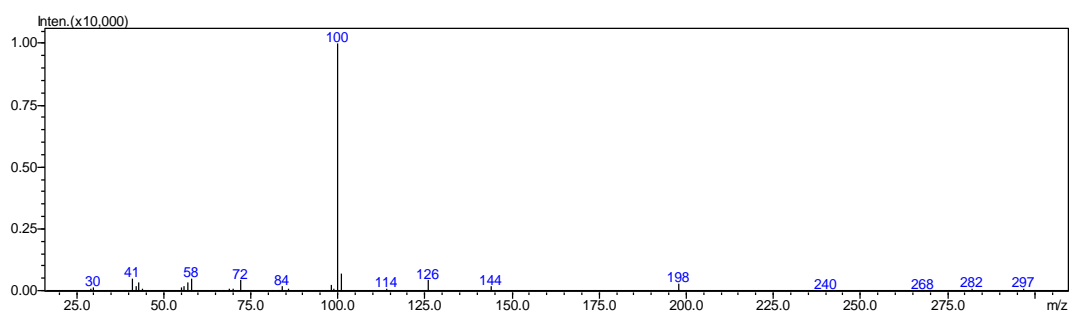
MW: 298

分子式: $C_{18}H_{35}NO_2$

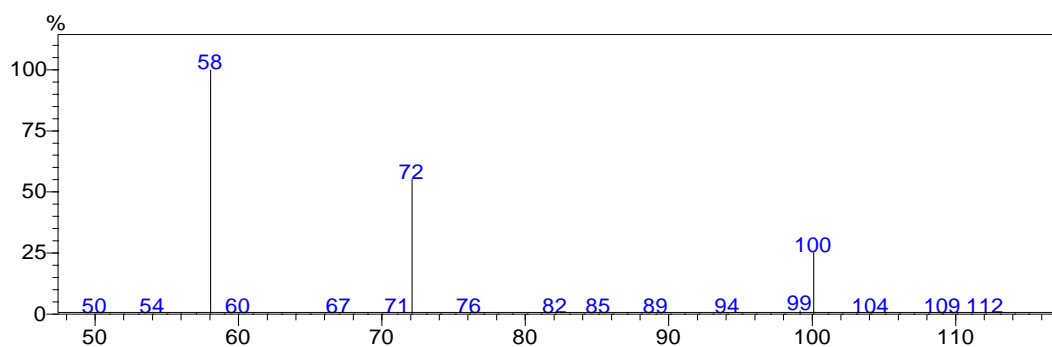
结构式:



Q3 scan



Product ion scan (m/z 100)



270. 治螟磷

化合物信息

CAS#: 3689-24-5

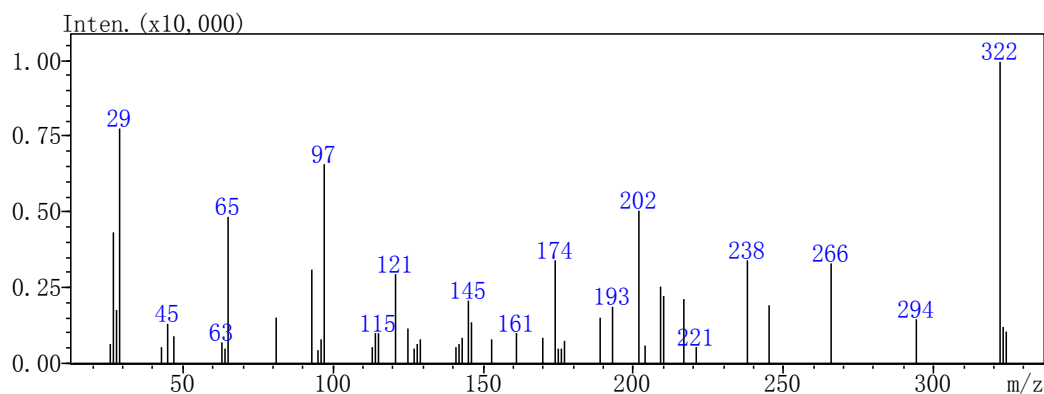
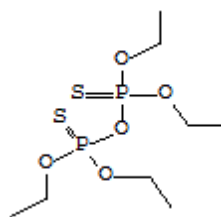
英文名称: Sulprofos

MW: 322

分子式: $C_8H_{20}O_5P_2S_2$

Q3 scan

结构式:



271. 硫丙磷

化合物信息

CAS#: 35400-43-2

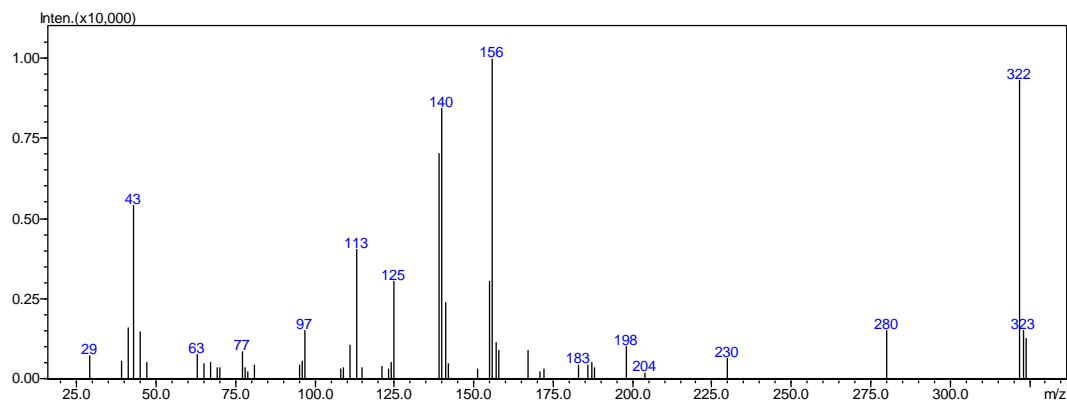
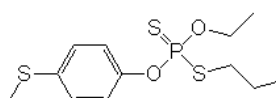
英文名称: Sulprofos

MW: 322

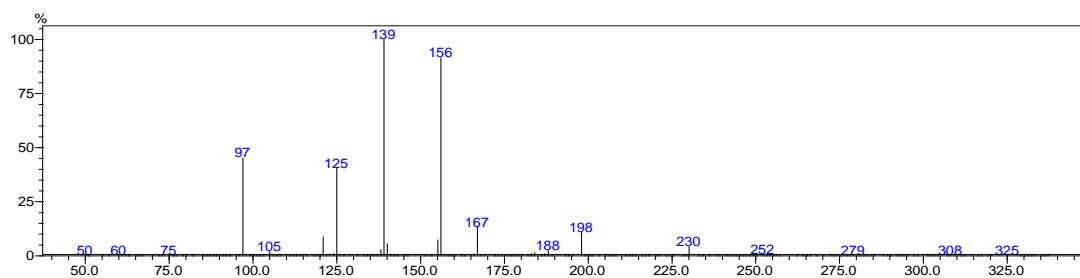
分子式: $C_{12}H_{19}O_2PS_3$

Q3 scan

结构式:



Product ion scan (m/z 322)



272. 灭草灵

化合物信息

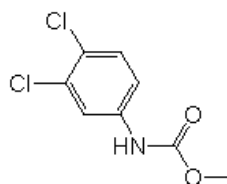
CAS#: 1918-18-9

英文名称: Swep

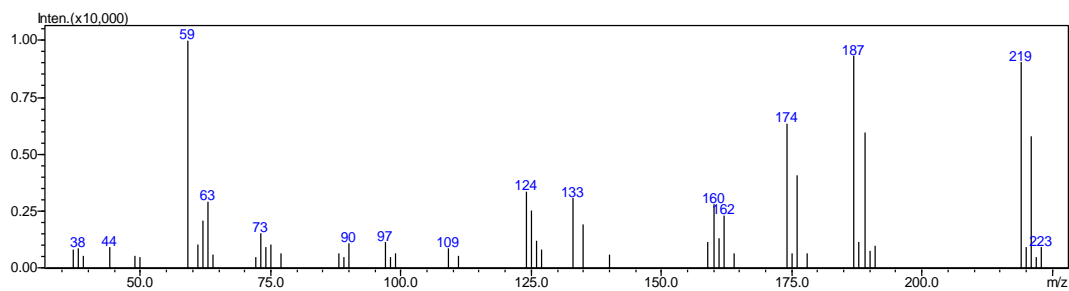
MW: 219

分子式: $C_8H_7Cl_2NO_2$

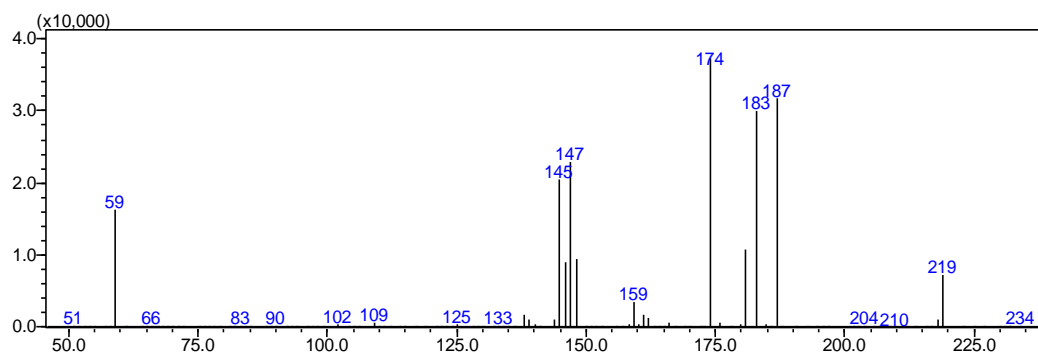
结构式:



Q3 scan



Product ion scan (m/z 219)



273. 苯噻氰

化合物信息

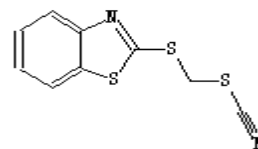
CAS#: 21564-17-0

英文名称: TCMTB

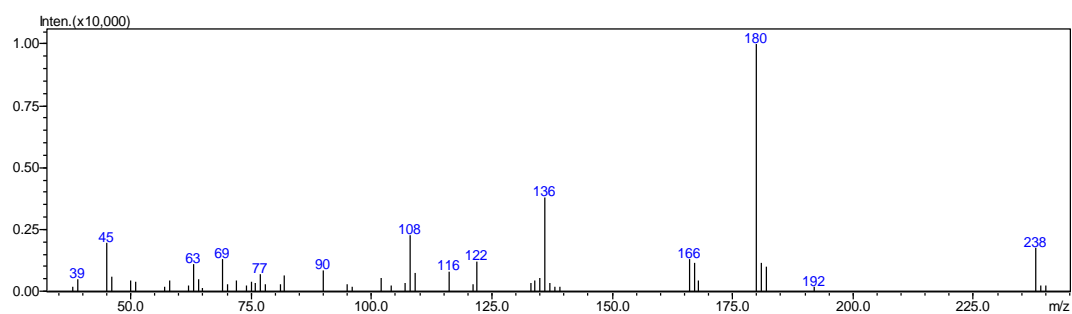
MW: 238

分子式: $C_9H_6N_2S_3$

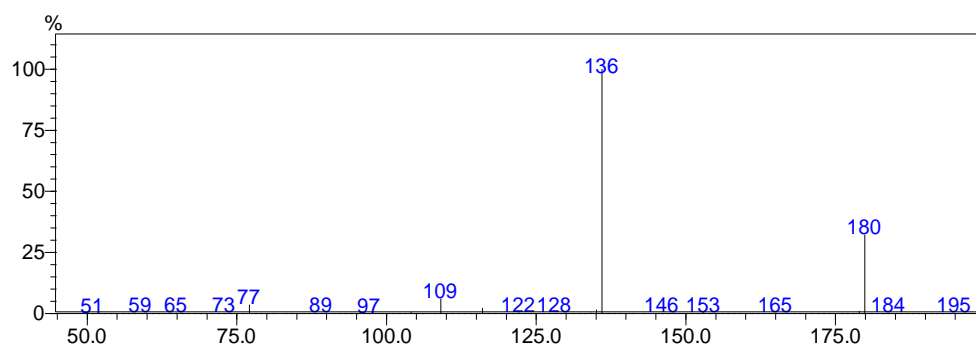
结构式:



Q3 scan



Product ion scan (m/z 180)



274. 戊唑醇

化合物信息

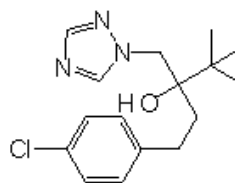
CAS#: 107534-96-3

英文名称: Tebuconazole

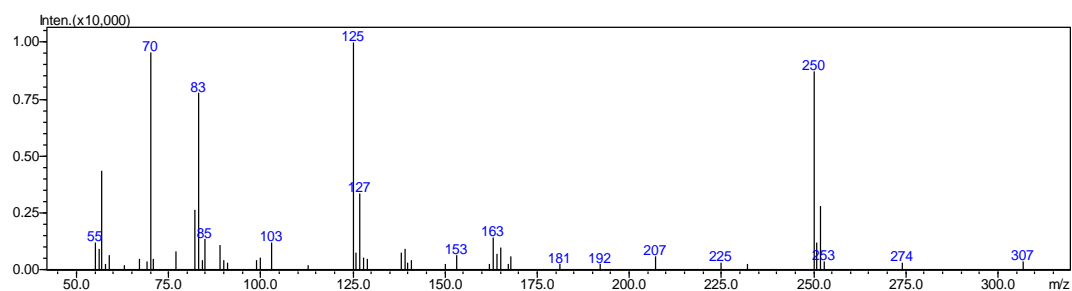
MW: 307

分子式: $C_{16}H_{22}ClN_3O$

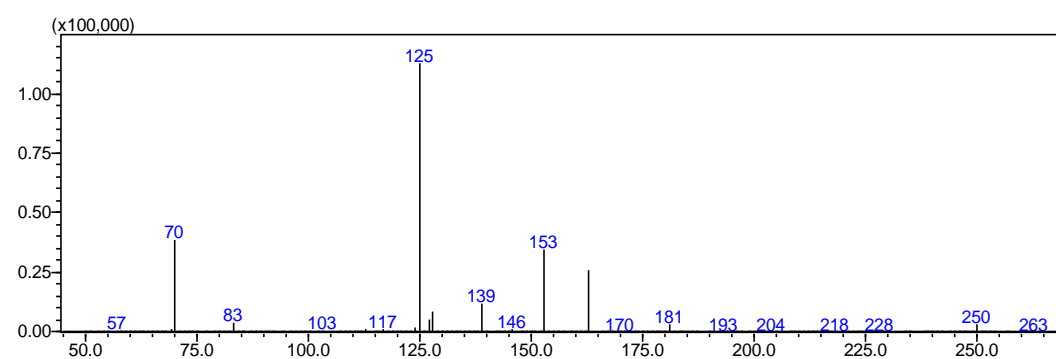
结构式:



Q3 scan



Product ion scan (m/z 250)



275. 吡嗪胺

化合物信息

CAS#: 119168-77-3

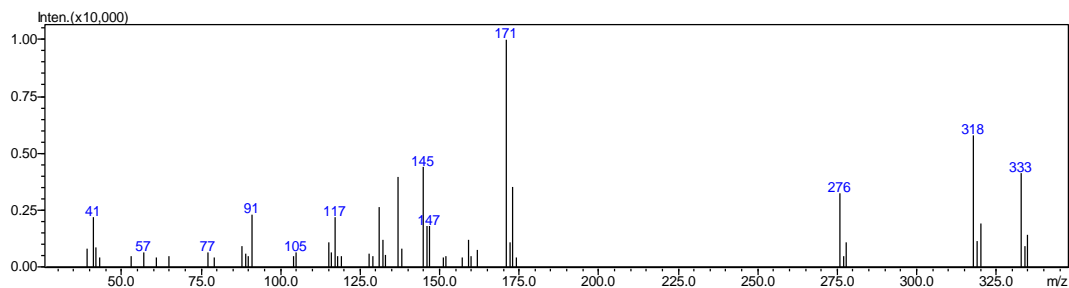
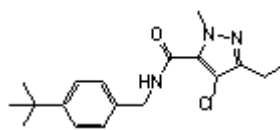
英文名称: Tebufenpyrad

MW: 333

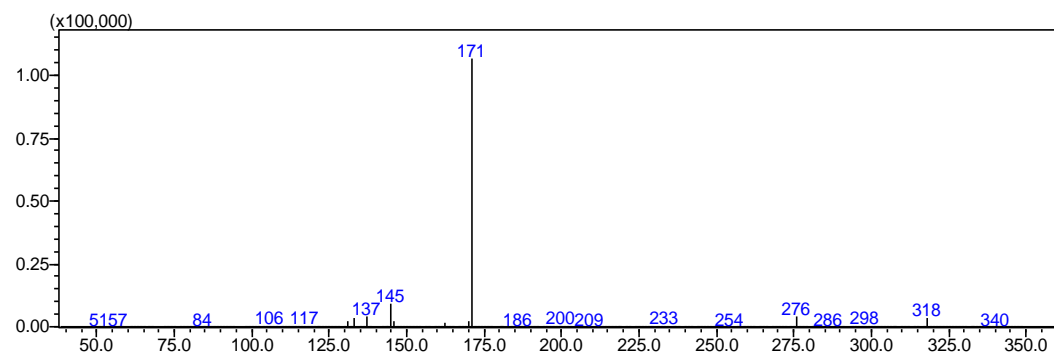
分子式: $C_{18}H_{24}ClN_3O$

Q3 scan

结构式:



Product ion scan (m/z 333)



276. 四氯硝基苯

化合物信息

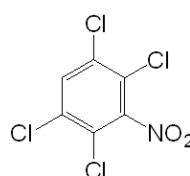
CAS#: 117-18-0

英文名称: Tecnazene

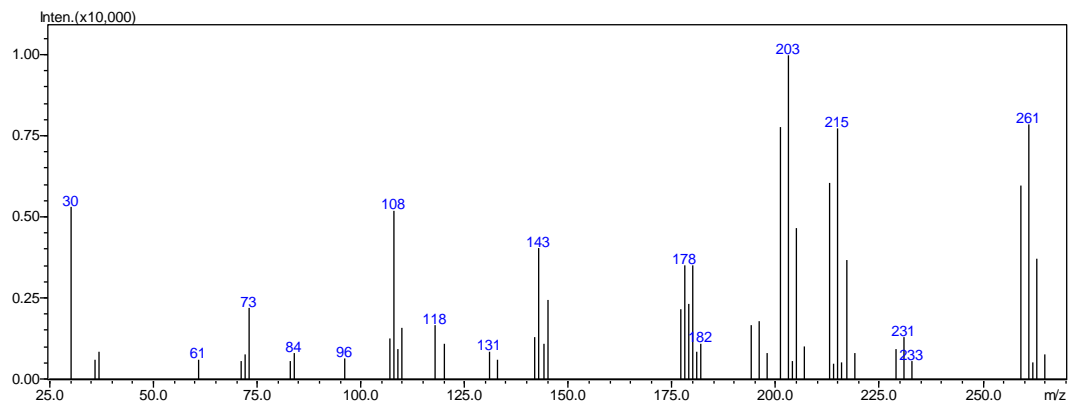
MW: 259

分子式: $C_6HCl_4NO_2$

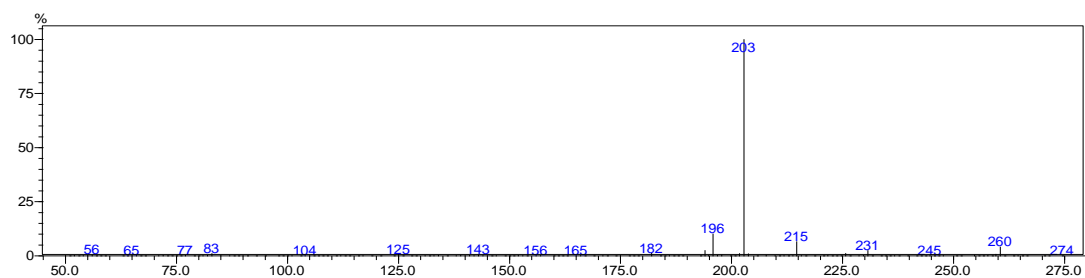
结构式:



Q3 scan



Product ion scan (m/z 261)



277. 七氟菊酯

化合物信息

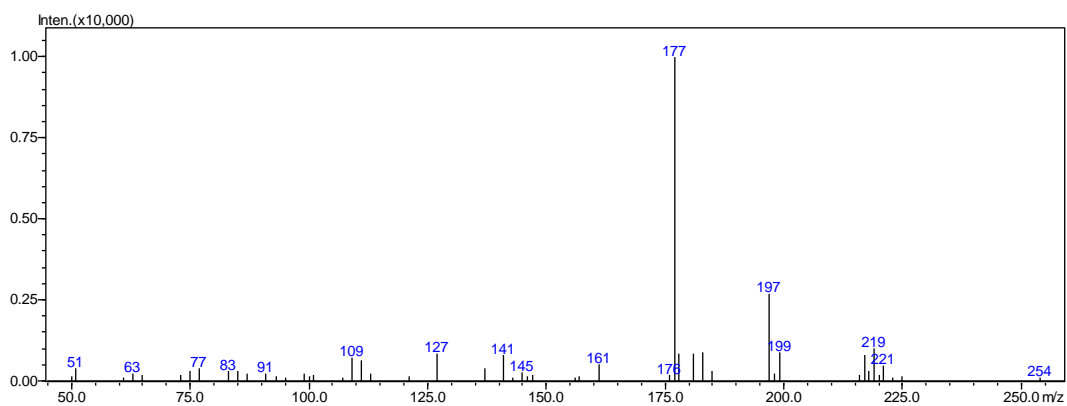
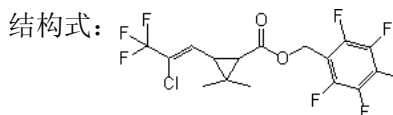
CAS#: 79538-32-2

英文名称: Tefluthrin

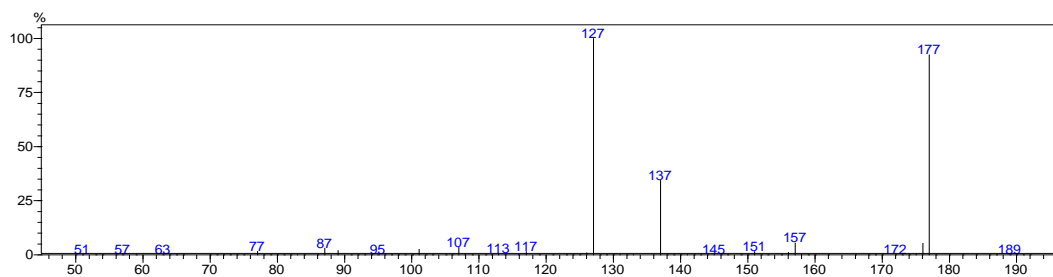
MW: 418

分子式: $C_{17}H_{14}ClF_7O_2$

Q3 scan



Product ion scan (m/z 177)



278. 特草定

化合物信息

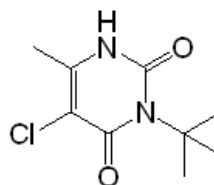
CAS#: 5902-51-2

英文名称: Terbacil

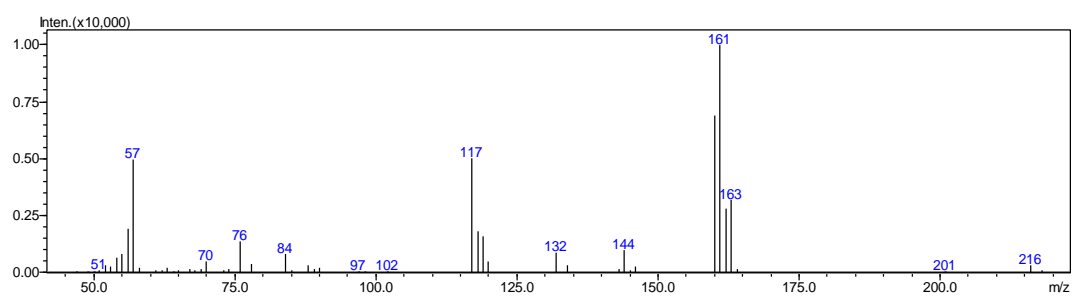
MW: 216

分子式: $C_{15}H_{21}NOS$

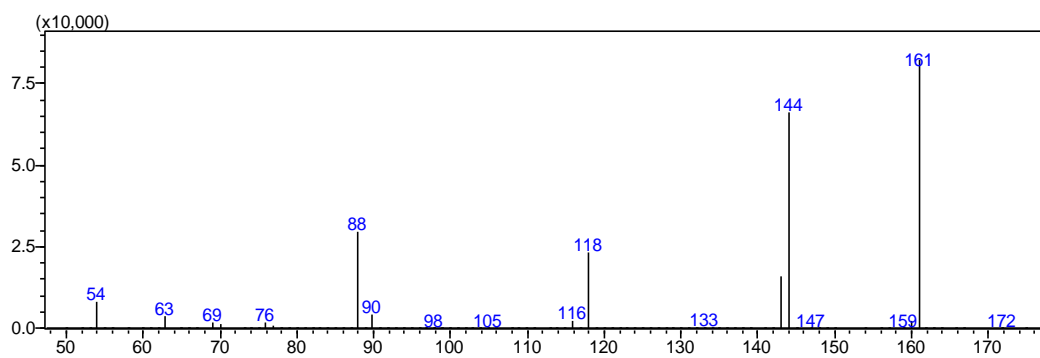
结构式:



Q3 scan



Product ion scan (m/z 161)



279. 特丁硫磷

化合物信息

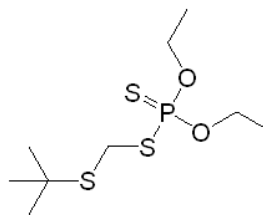
CAS#: 13071-79-9

英文名称: Terbufos

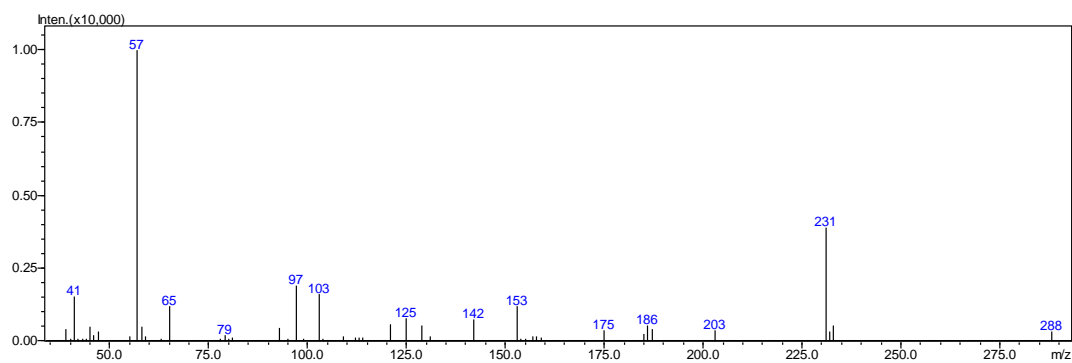
MW: 288

分子式: $C_9H_{21}O_2PS_3$

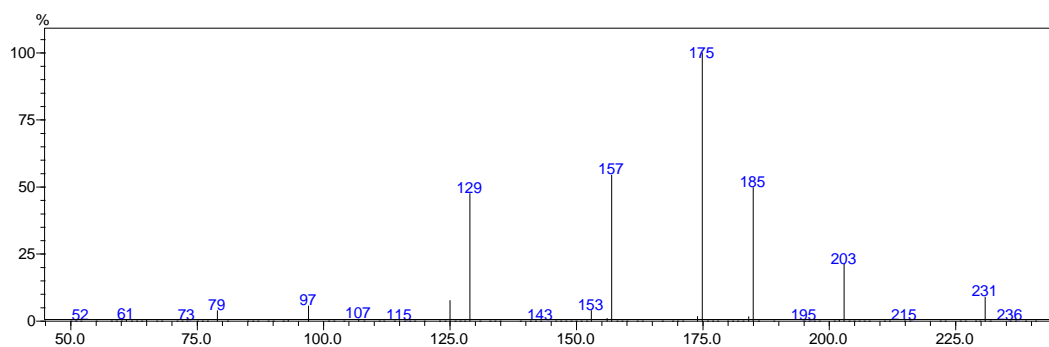
结构式:



Q3 scan



Product ion scan (m/z 231)



280. 特丁草净

化合物信息

CAS#: 886-50-0

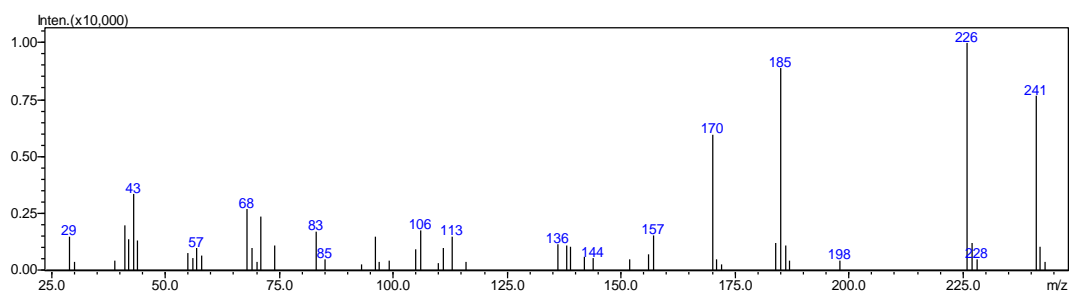
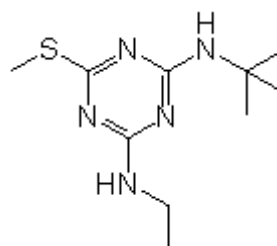
英文名称: Terbutryn

MW: 241

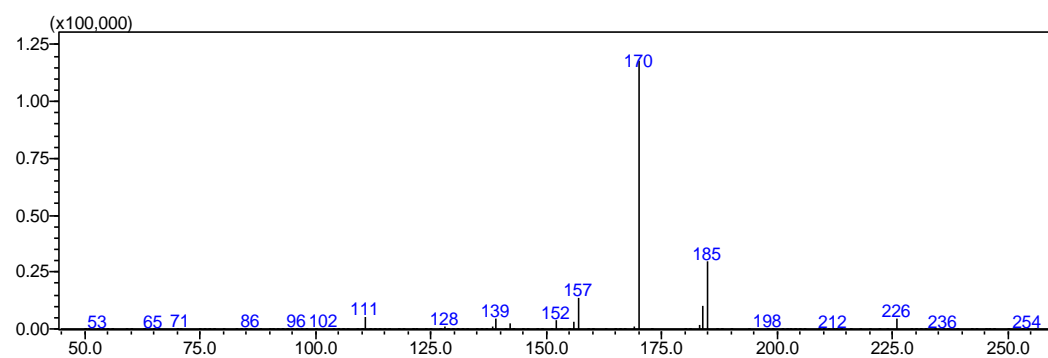
分子式: $C_{10}H_{19}N_5S$

Q3 scan

结构式:



Product ion scan (m/z 241)



281. 杀虫畏

化合物信息

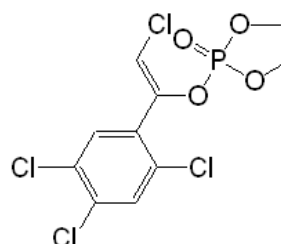
CAS#: 961-11-5

英文名称: Tetrachlorvinphos

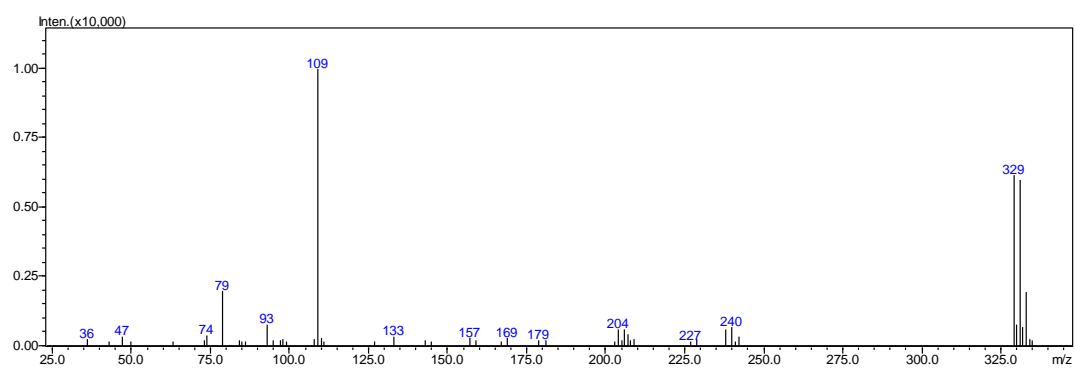
MW: 364

分子式: $C_{10}H_9Cl_4O_4P$

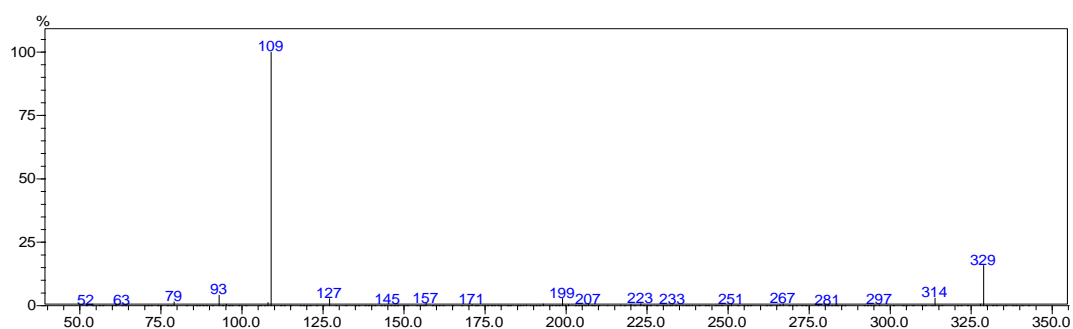
结构式:



Q3 scan



Product ion scan (m/z 329)



282. 氟醚唑

化合物信息

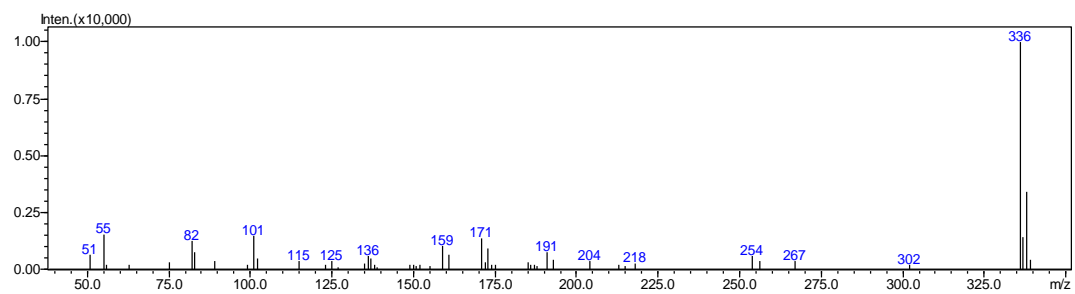
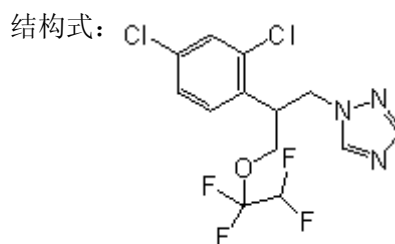
CAS#: 112281-77-3

英文名称: Tetraconazole

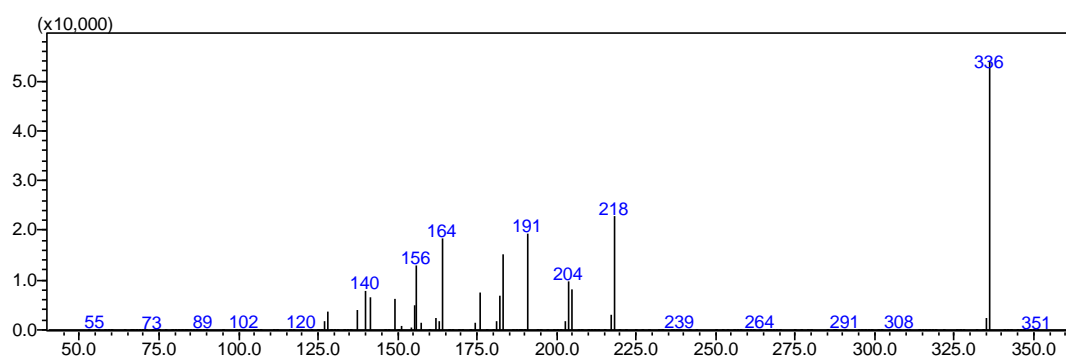
MW: 371

分子式: $C_{13}H_{11}Cl_2F_4N_3O$

Q3 scan



Product ion scan (m/z 336)



283. 四氯杀螨砒

化合物信息

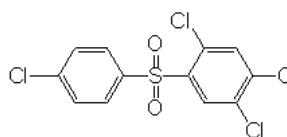
CAS#: 116-29-0

英文名称: Tetradifon

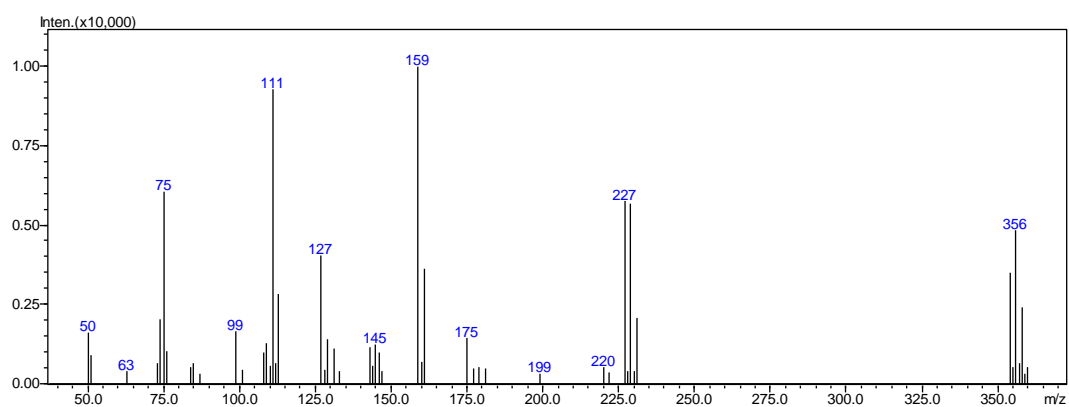
MW: 354

分子式: $C_{12}H_6Cl_4O_2S$

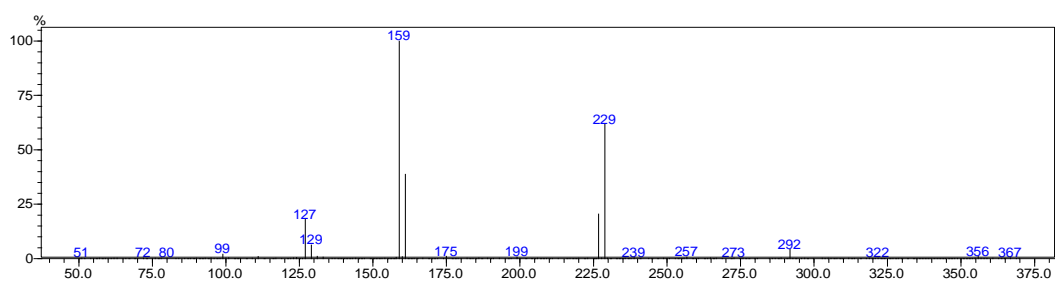
结构式:



Q3 scan



Product ion scan (m/z 356)



284. 胺菊酯

化合物信息

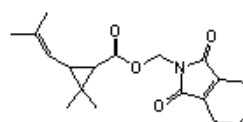
CAS#: 7696-12-0

英文名称: Tetramethrin

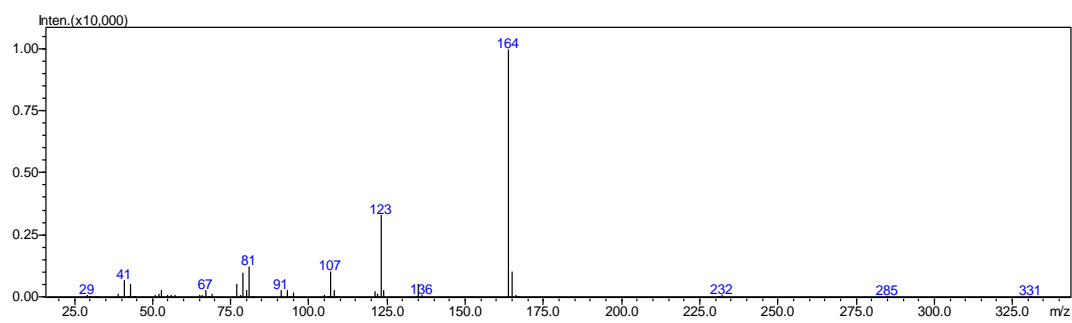
MW: 331

分子式: $C_{19}H_{25}NO_4$

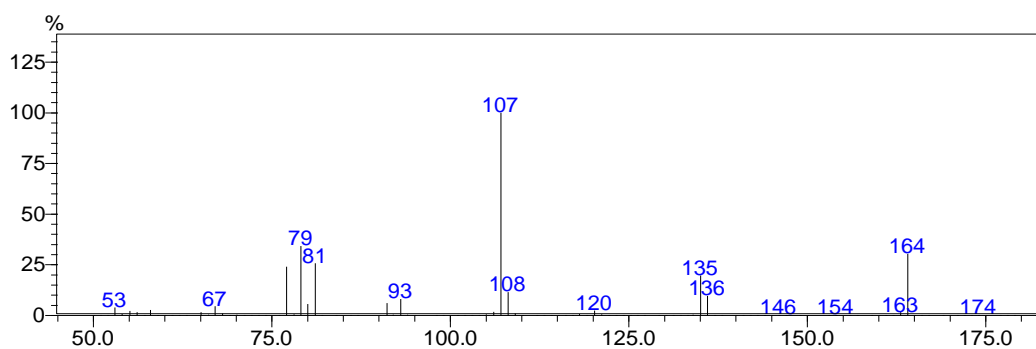
结构式:



Q3 scan



Product ion scan (m/z 164)



285. 噻吩草胺

化合物信息

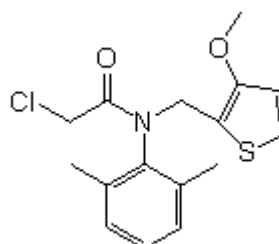
CAS#: 96491-05-3

英文名称: Thenylchlor

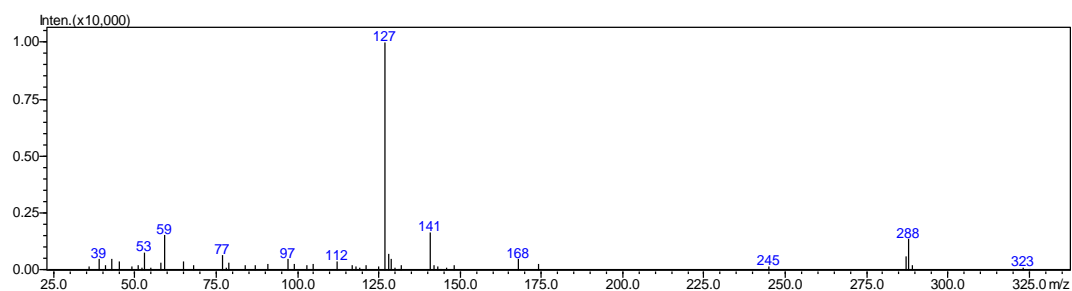
MW: 323

分子式: $C_{16}H_{18}ClNO_2S$

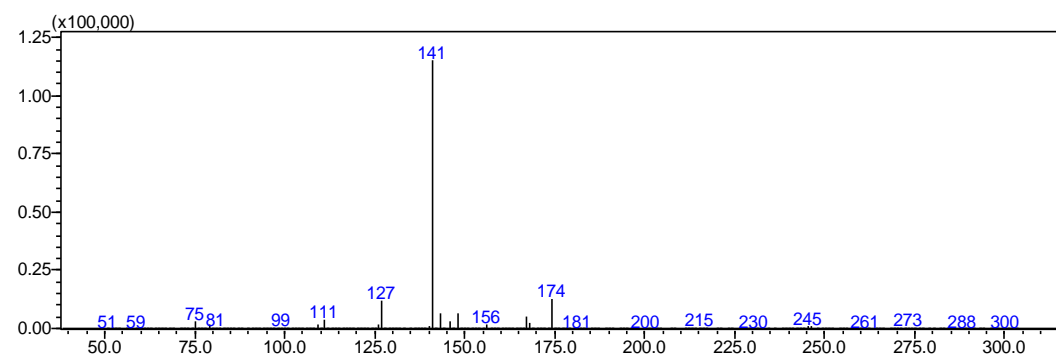
结构式:



Q3 scan



Product ion scan (m/z 288)



286. 噻苯达唑

化合物信息

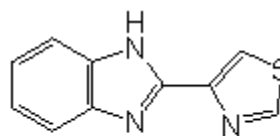
CAS#:148-79-8

英文名称: Thiabendazole

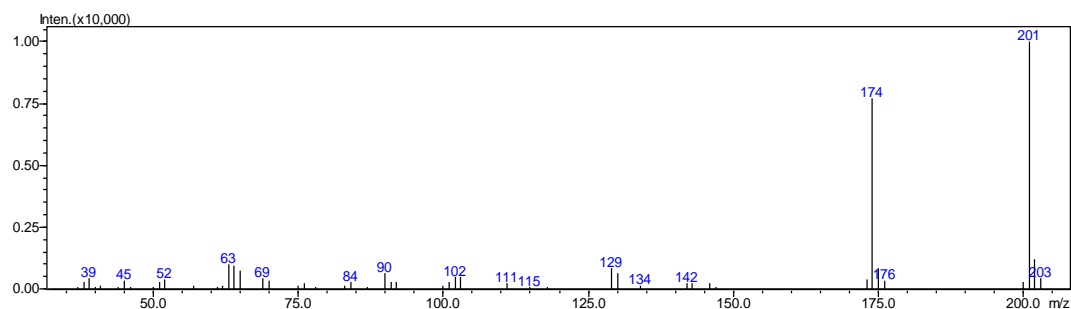
MW: 201

分子式: $C_{10}H_7N_3S$

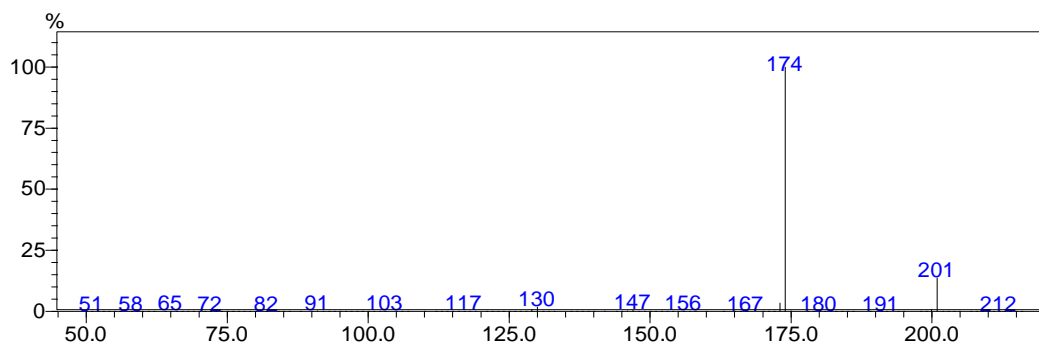
结构式:



Q3 scan



Product ion scan (m/z 201)



287. 噻咪酰胺

化合物信息

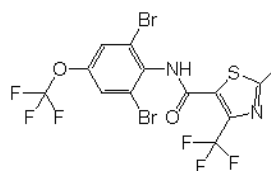
CAS#: 130000-40-7

英文名称: Thifluzamide

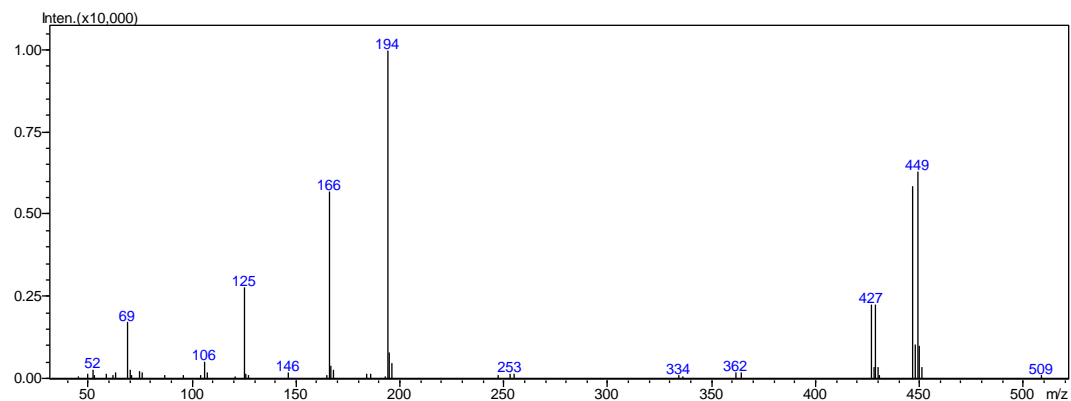
MW: 526

分子式: $C_{13}H_6Br_2F_6N_2O_2S$

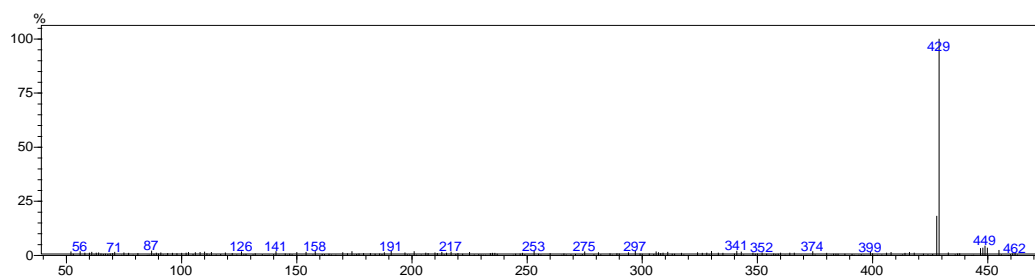
结构式:



Q3 scan



Product ion scan (m/z 449)



288. 禾草丹

化合物信息

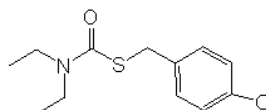
CAS#: 28249-77-6

英文名称: Thiobencarb

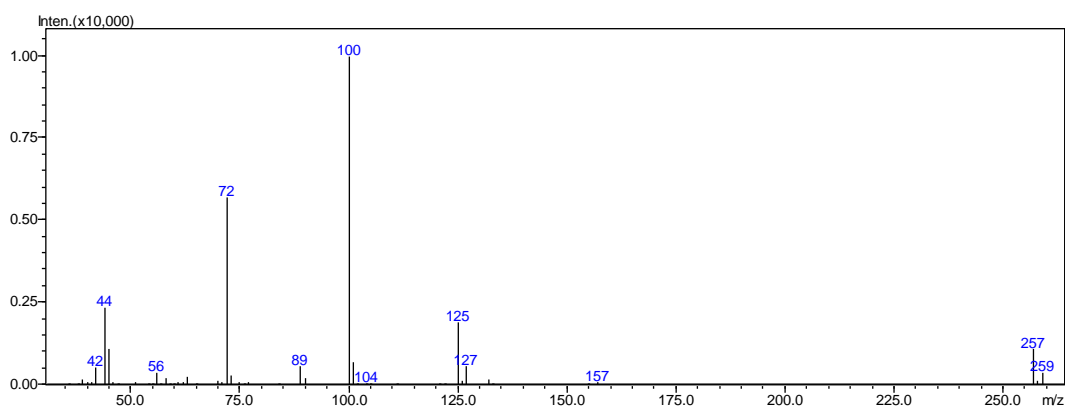
MW: 257

分子式: C₁₂H₁₆ClNOS

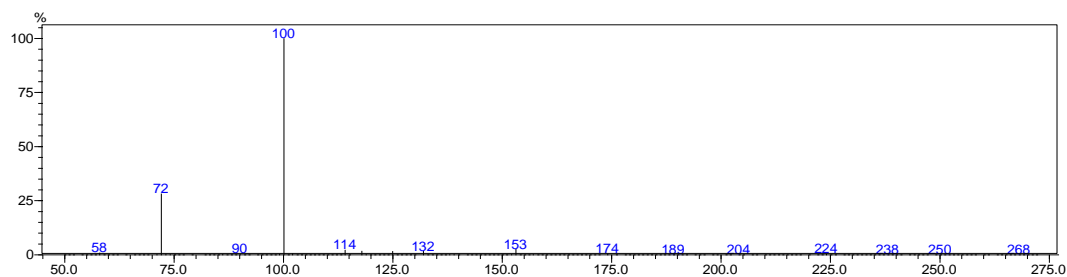
结构式:



Q3 scan



Product ion scan (m/z 257)



289. 杀虫环

化合物信息

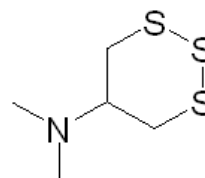
CAS#: 31895-21-3

英文名称: Thiocyclam

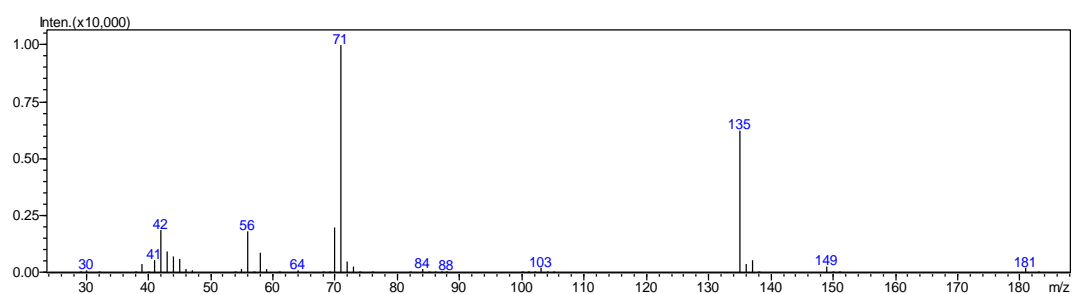
MW: 181

分子式: C₅H₁₁NS₃

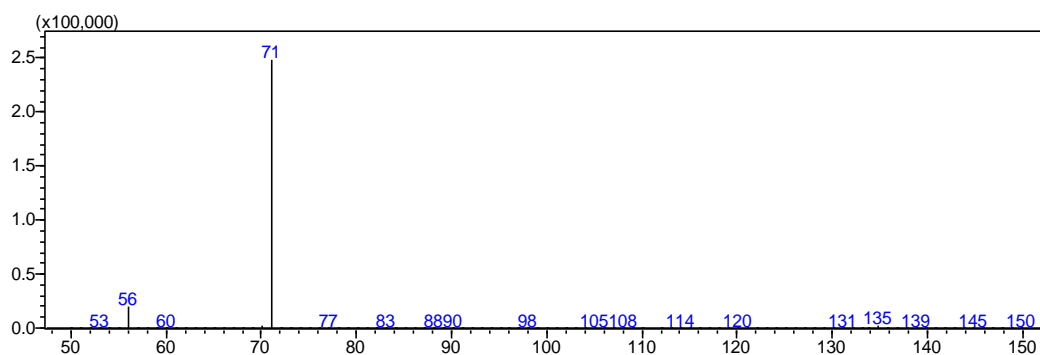
结构式:



Q3 scan



Product ion scan (m/z 135)



290. 甲基乙拌磷

化合物信息

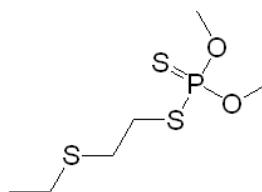
CAS#: 640-15-3

英文名称: Thiometon

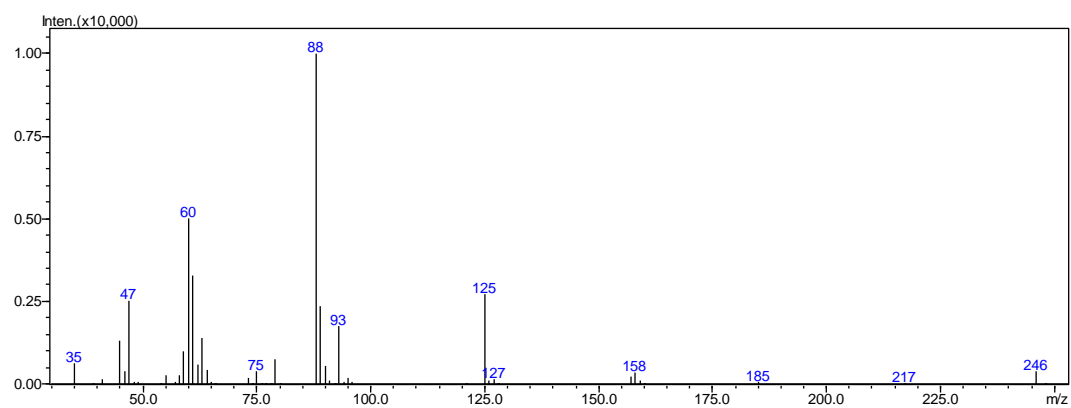
MW: 246

分子式: $C_6H_{15}O_2PS_3$

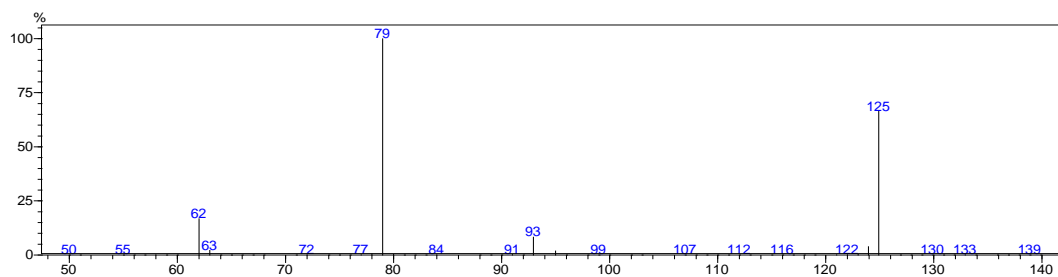
结构式:



Q3 scan



Product ion scan (m/z 125)



291. 甲基立枯磷

化合物信息

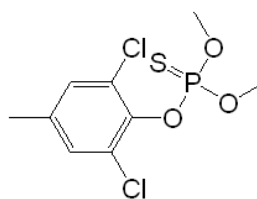
CAS#: 57018-04-9

英文名称: Tolclofos-methyl

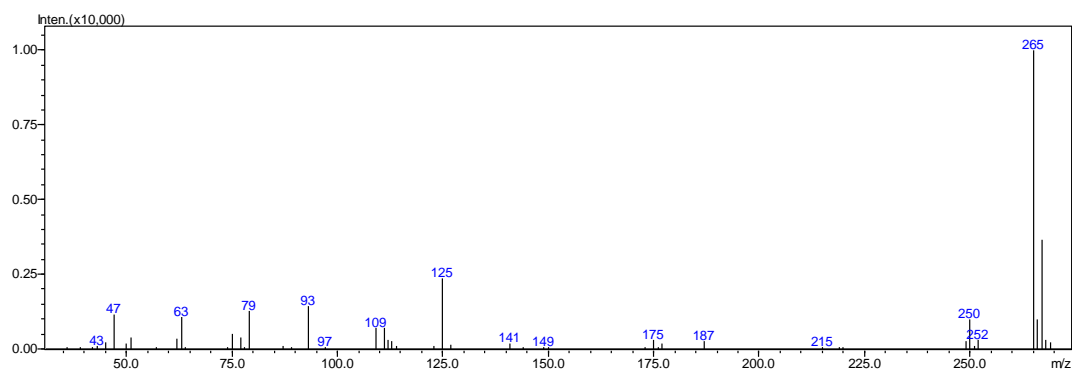
MW: 300

分子式: $C_9H_{11}Cl_2O_3PS$

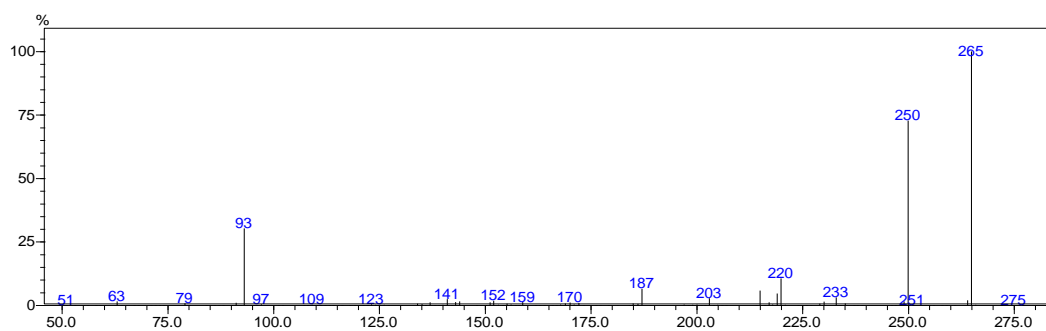
结构式:



Q3 scan



Product ion scan (m/z 265)



292. 甲苯氟磺胺

化合物信息

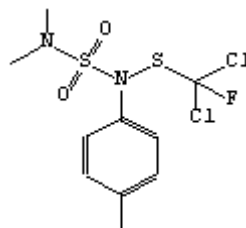
CAS#: 731-27-1

英文名称: Tolyfluanid

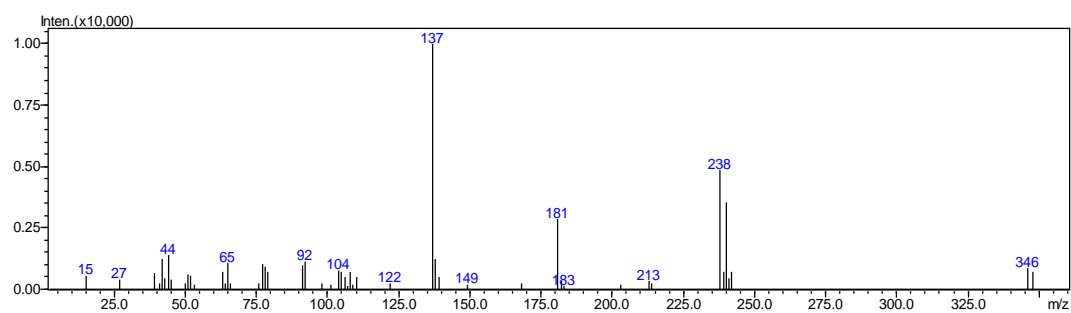
MW: 346

分子式: $C_{10}H_{13}Cl_2FN_2O_2S_2$

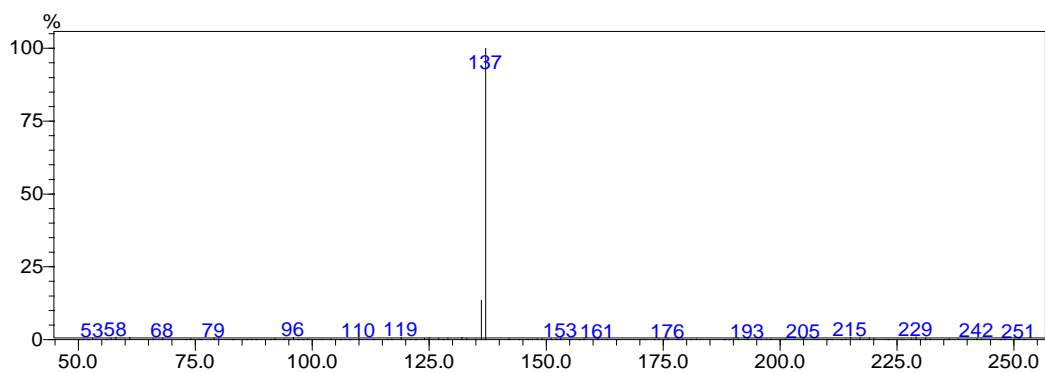
结构式:



Q3 scan



Product ion scan (m/z 238)



293. 甲苯氟磺胺代谢物

化合物信息

结构式:

CAS#:

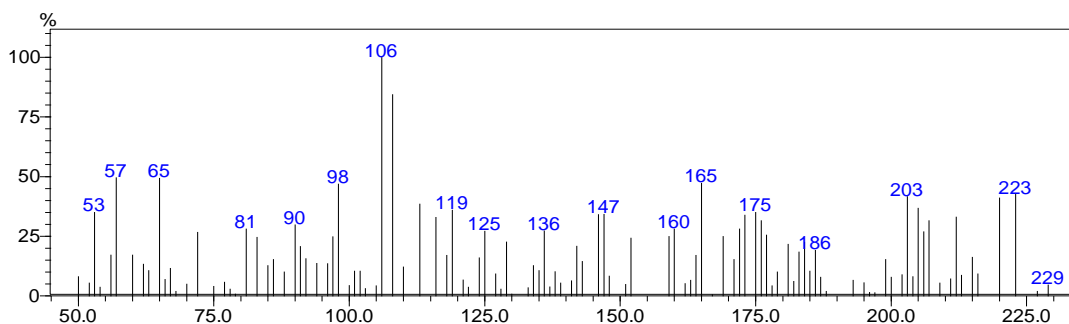
英文名称: Tolyfluanid metabolite

MW:

分子式:

Q3 scan

Product ion scan (m/z 214)



294. 三唑酮

化合物信息

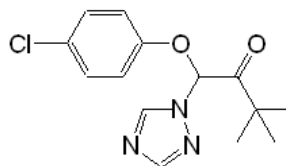
结构式:

CAS#: 43121-43-3

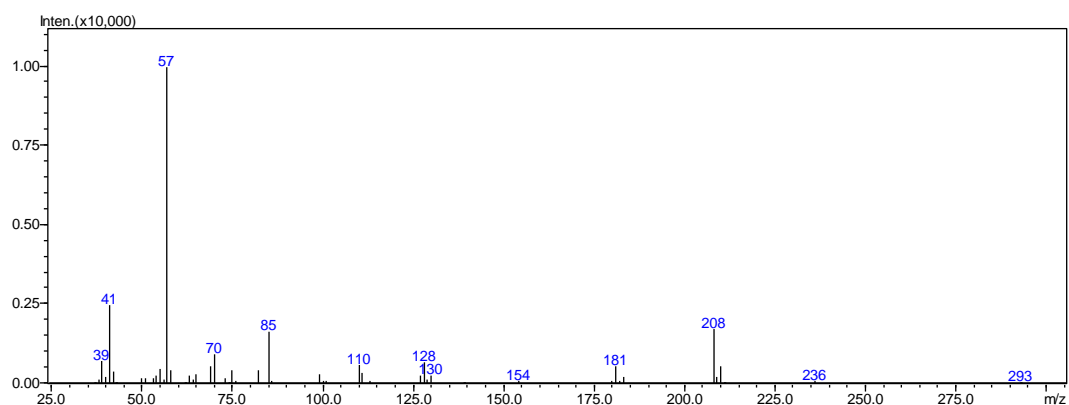
英文名称: Triadimefon

MW: 293

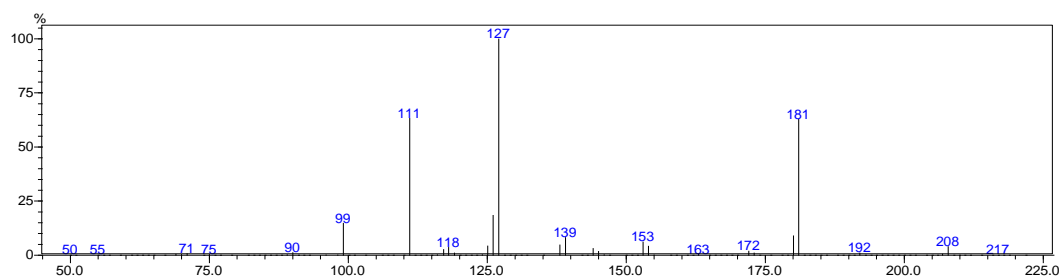
分子式: $C_{14}H_{16}ClN_3O_3$



Q3 scan



Product ion scan (m/z 208)



295. 三唑醇

化合物信息

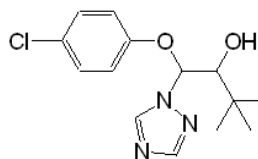
CAS#: 55219-65-3

英文名称: Triadimenol

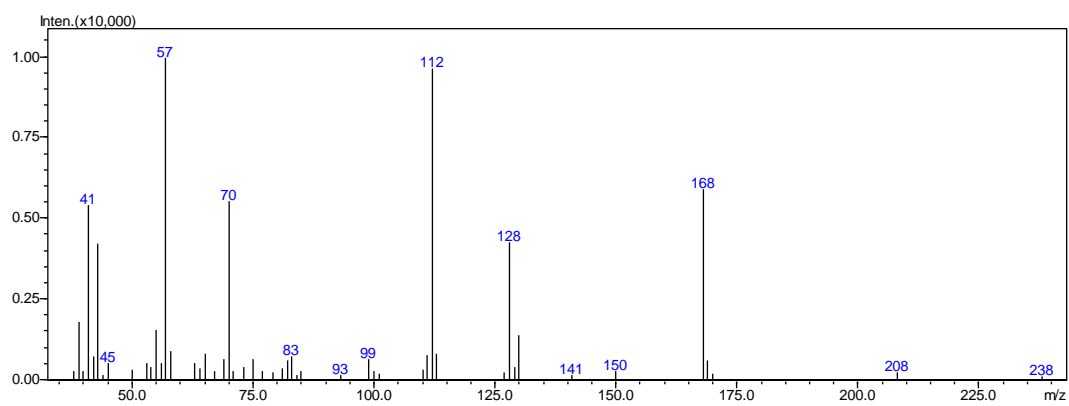
MW: 295

分子式: $C_{14}H_{18}ClN_3O_2$

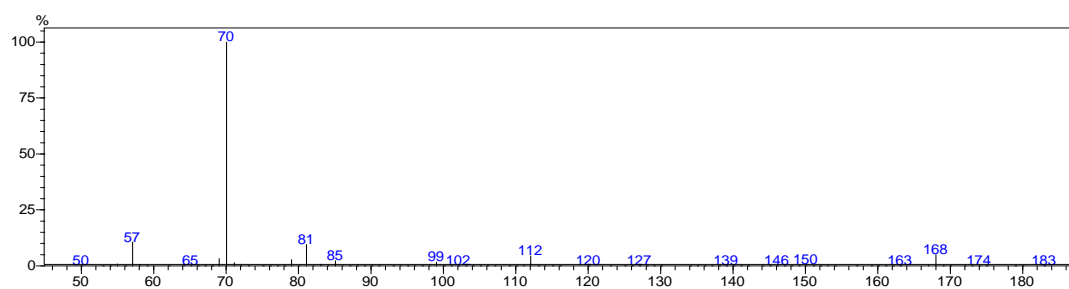
结构式:



Q3 scan



Product ion scan (m/z 168)



296. 野麦畏

化合物信息

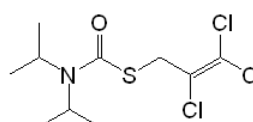
CAS#: 2303-17-5

英文名称: Tri-allate

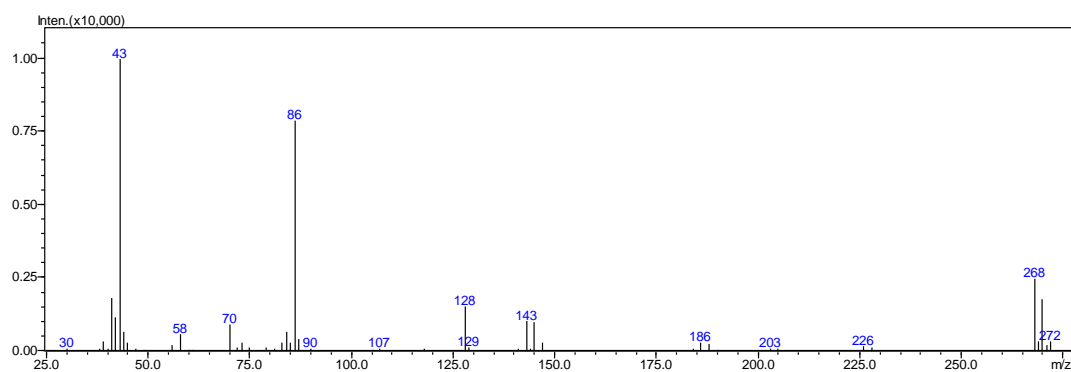
MW: 302

分子式: C₁₀H₁₆Cl₃NOS

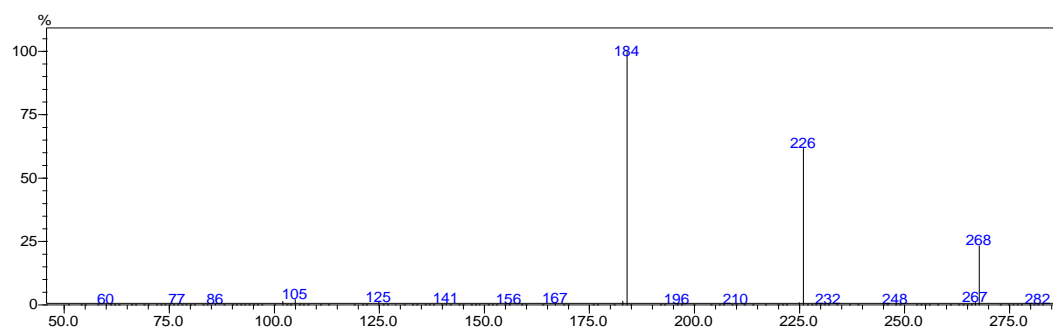
结构式:



Q3 scan



Product ion scan (m/z 268)



297. 三唑磷

化合物信息

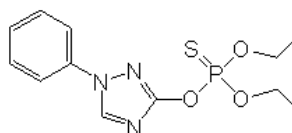
CAS#: 24017-47-8

英文名称: Triazophos

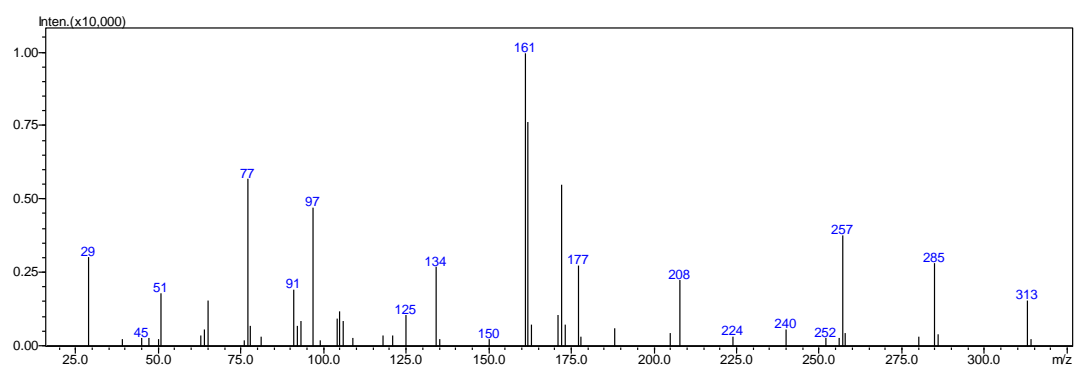
MW: 313

分子式: C₁₂H₁₆N₃O₃PS

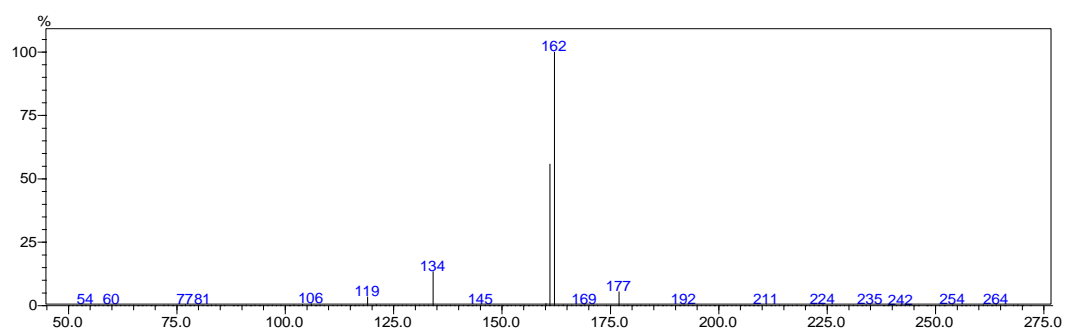
结构式:



Q3 scan



Product ion scan (m/z 257)



298. 脱叶磷

化合物信息

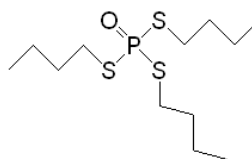
CAS#: 78-48-8

英文名称: Tribufos

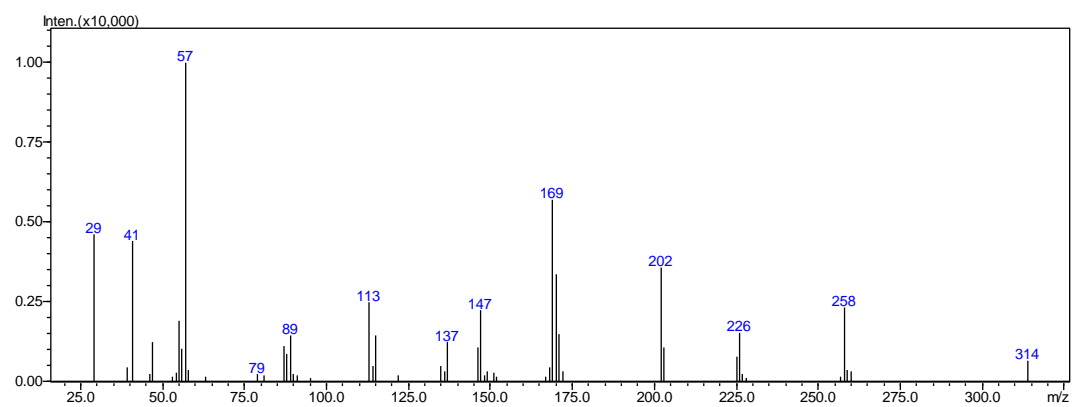
MW: 314

分子式: $C_{12}H_{27}OPS_3$

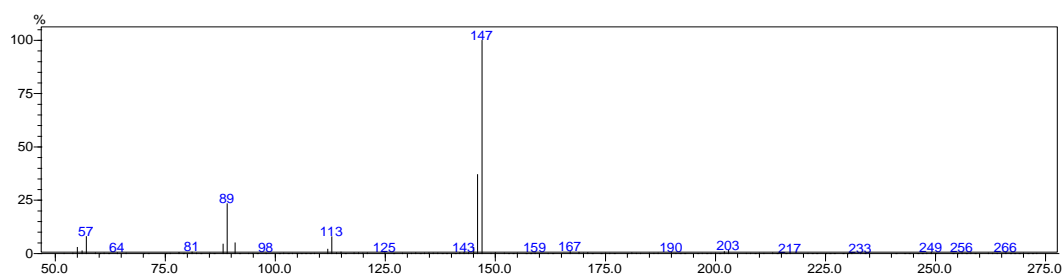
结构式:



Q3 scan



Product ion scan (m/z 258)



299. 水杨菌胺

化合物信息

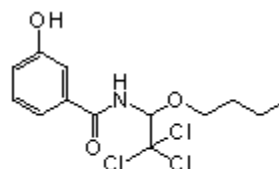
CAS#:70193-21-4

英文名称: Trichlamide

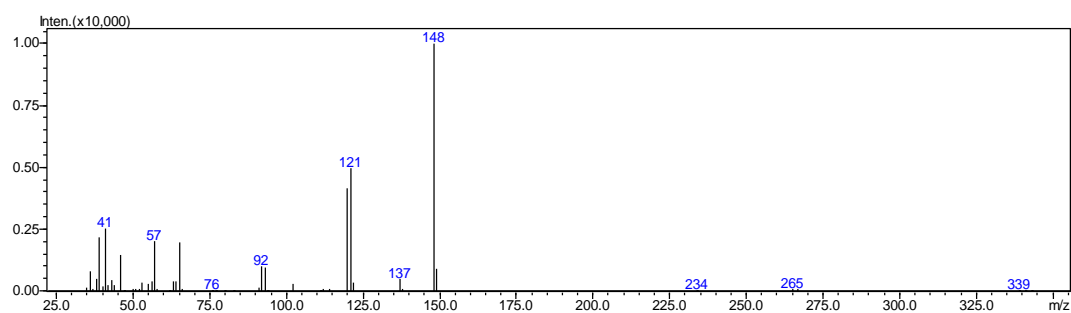
MW: 339

分子式: $C_{13}H_{16}Cl_3NO_3$

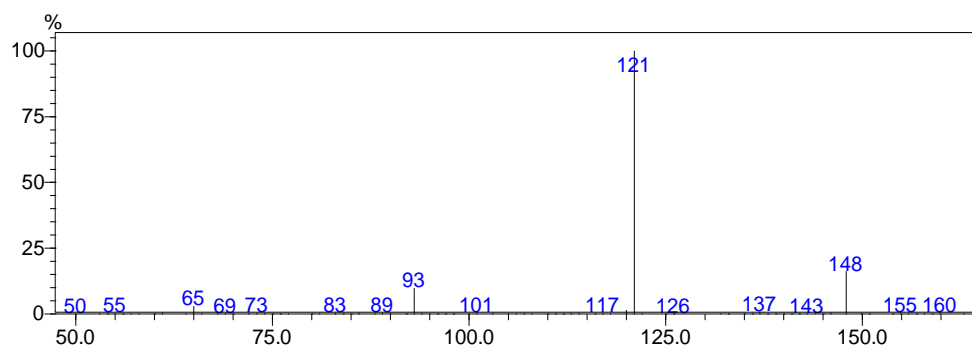
结构式:



Q3 scan



Product ion scan (m/z 148)



300. 三环唑

化合物信息

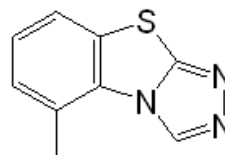
CAS#:41814-78-2

英文名称: Tricyclazole

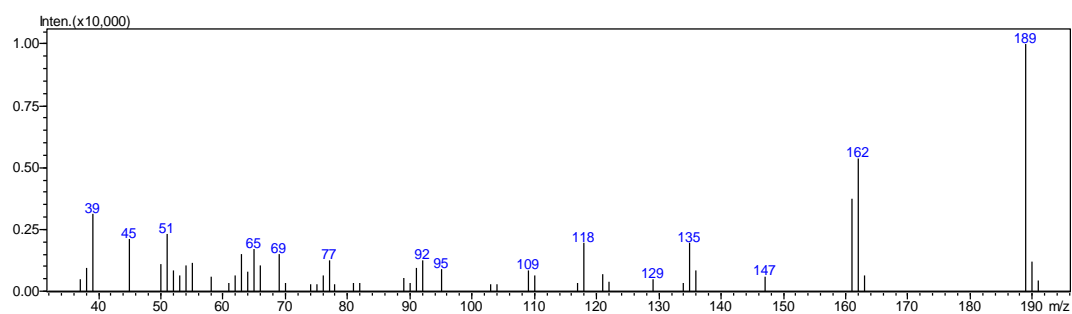
MW: 189

分子式: $C_9H_7N_3S$

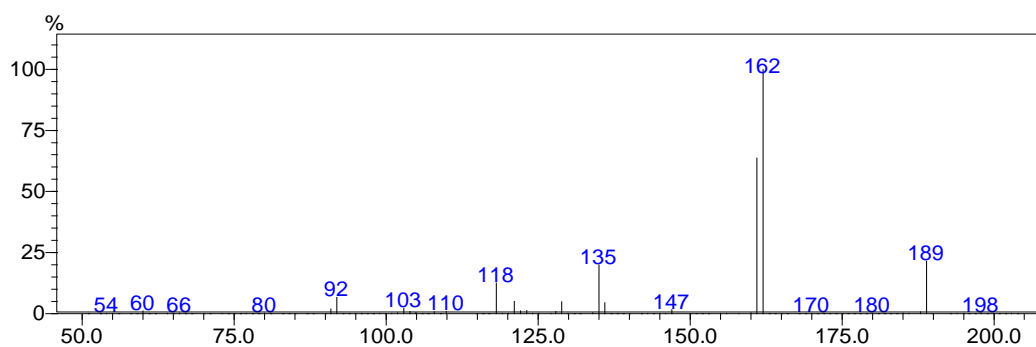
结构式:



Q3 scan



Product ion scan (m/z 189)



301. 呋菌酯

化合物信息

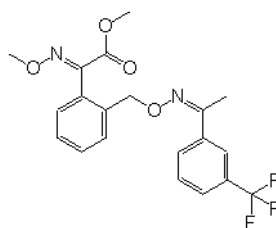
CAS#: 141517-21-7

英文名称: Trifloxystrobin

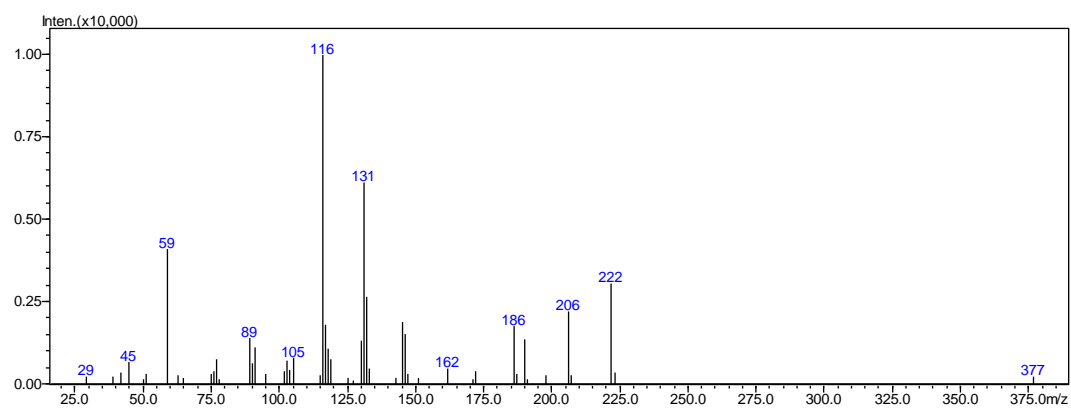
MW: 408

分子式: $C_{20}H_{19}F_3N_2O_4$

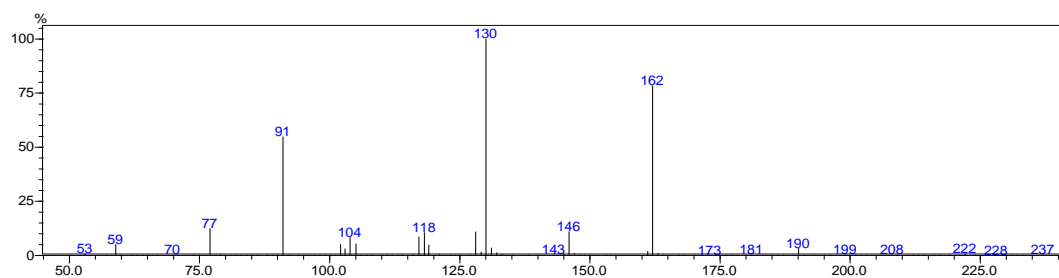
结构式:



Q3 scan



Product ion scan (m/z 222)



302. 氟乐灵

化合物信息

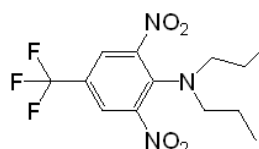
CAS#: 1582-09-8

英文名称: Trifluralin

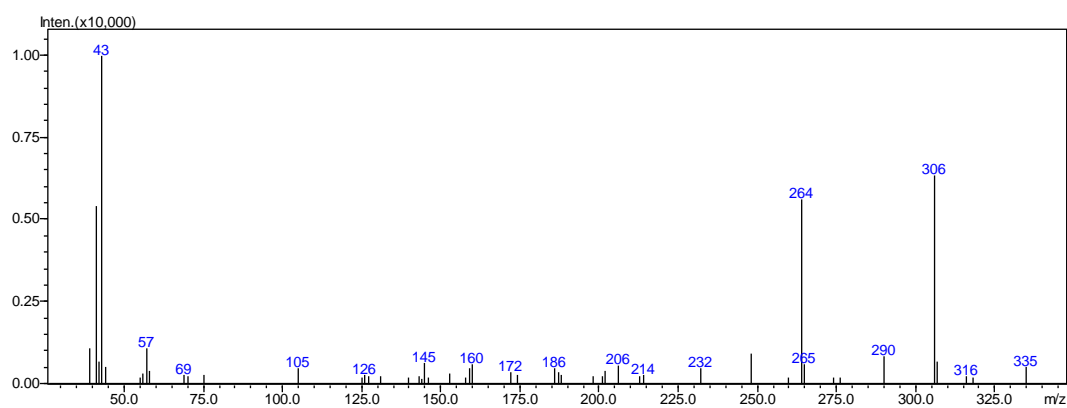
MW: 335

分子式: $C_{13}H_{16}F_3N_3O_4$

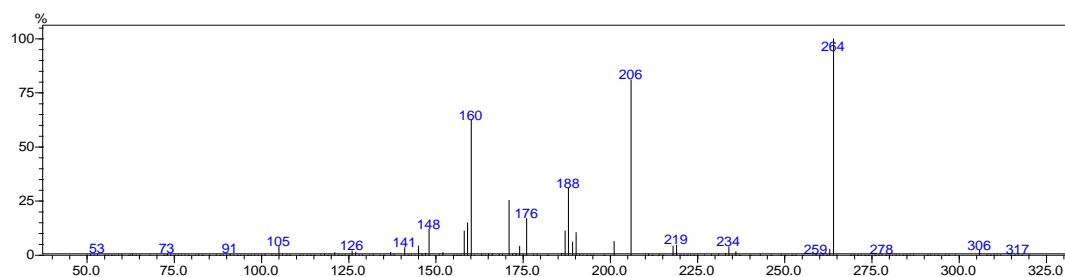
结构式:



Q3 scan



Product ion scan (m/z 306)



303. 单克素

化合物信息

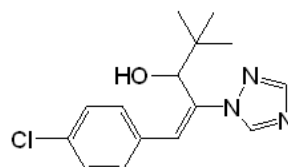
CAS#: 83657-17-4

英文名称: Uniconazole-P

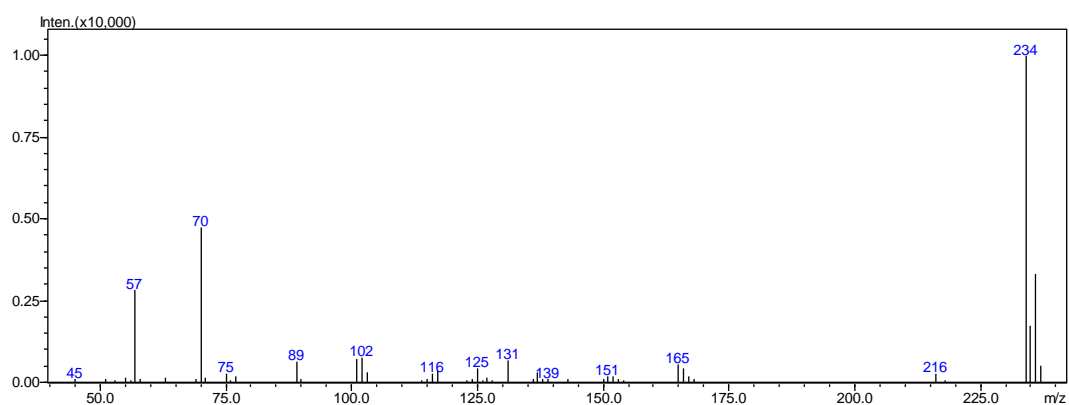
MW: 291

分子式: $C_{15}H_{18}ClN_3O$

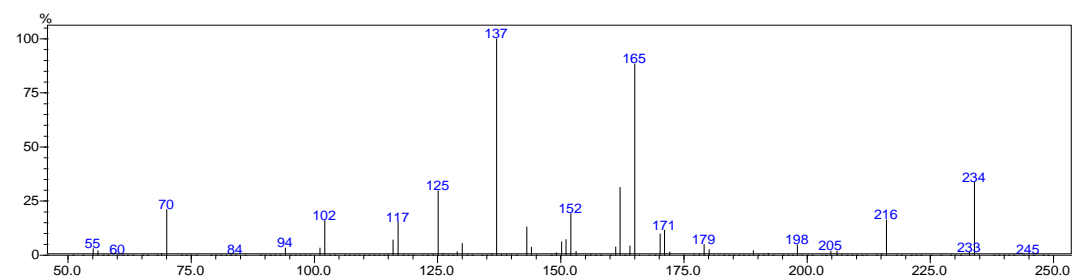
结构式:



Q3 scan



Product ion scan (m/z 234)



304. 乙烯菌核利

化合物信息

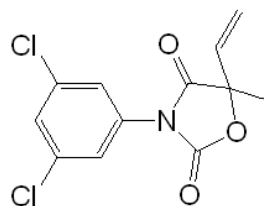
CAS#: 50471-44-8

英文名称: Vinclozolin

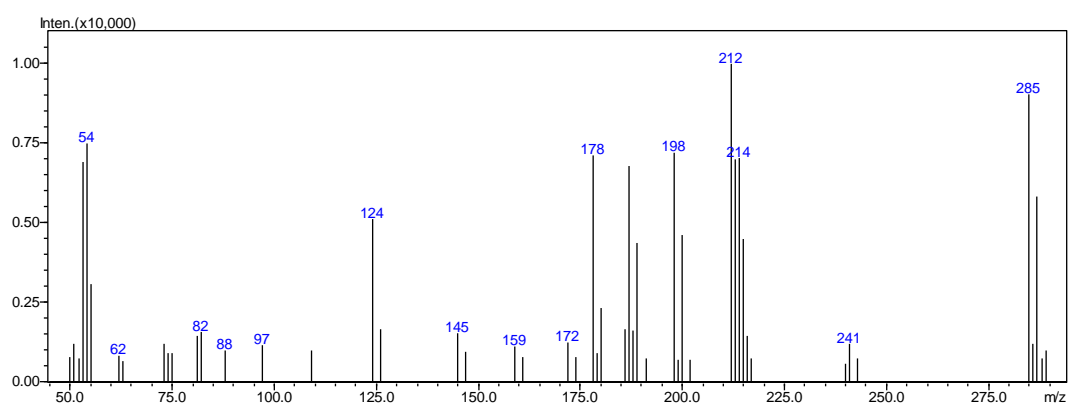
MW: 285

分子式: $C_{12}H_9Cl_2NO_3$

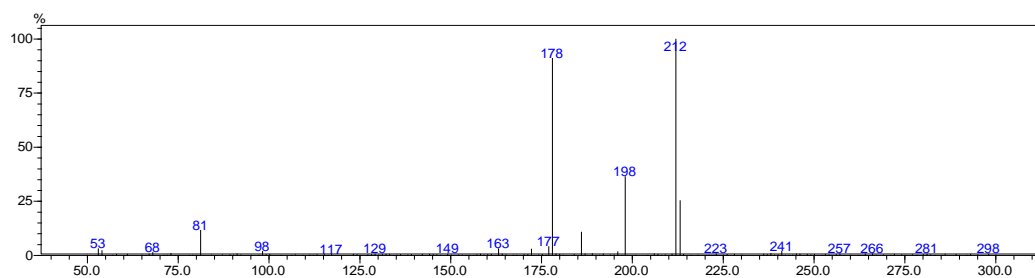
结构式:



Q3 scan



Product ion scan (m/z 285)



305. 灭除威

化合物信息

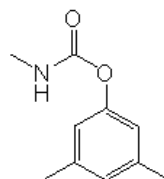
CAS#:2655-14-3

英文名称: XMC

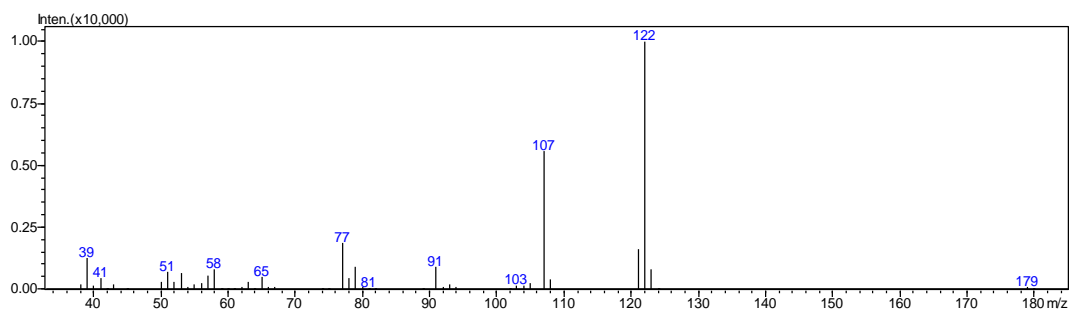
MW: 179

分子式: $C_{10}H_{13}NO_2$

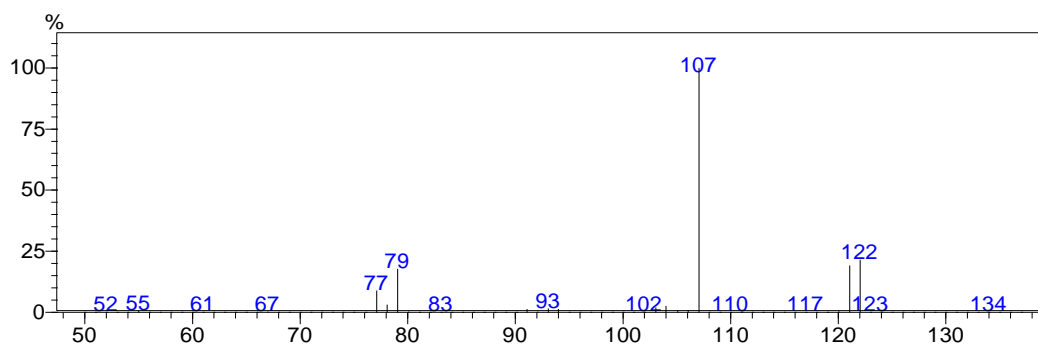
结构式:



Q3 scan



Product ion scan (m/z 122)



306. 苯酰菌胺

化合物信息

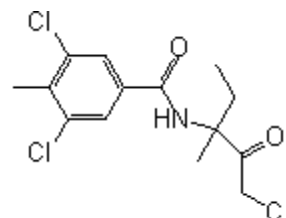
CAS#:156052-68-5

英文名称: Zoxamide

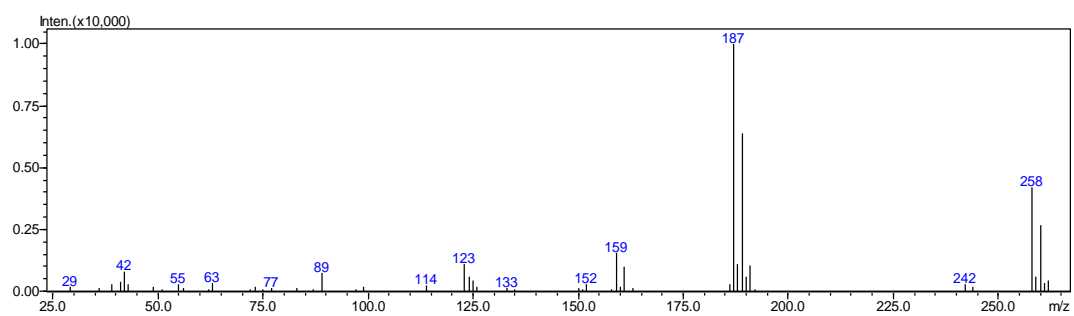
MW: 335

分子式: $C_{14}H_{16}Cl_3NO_2$

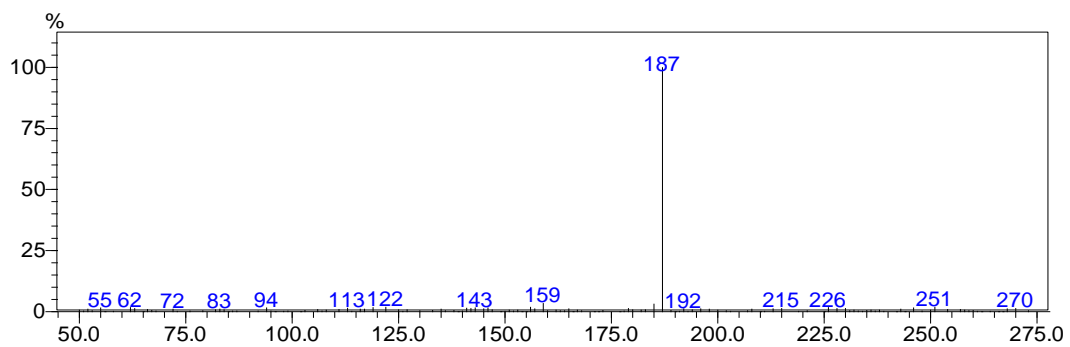
结构式:



Q3 scan



Product ion scan (m/z 258)



6. 标准曲线、重现性和仪器检出限

| No. | 中文名 | 线性方程 | 浓度范围 ($\mu\text{g/L}$) | R | RSD% (n=6) | 检出限 ($\mu\text{g/L}$) |
|-----|---------------|----------------------------|-----------------------------|--------|---------------|----------------------------|
| 1 | 啶虫脒 | $Y = 742.52X - 7106.69$ | 1-100 | 0.999 | 10.55 | 0.98 |
| 2 | 乙草胺 | $Y = 4041.94X - 1658.93$ | 1-100 | 0.9998 | 3.73 | 0.13 |
| 3 | 氟丙菊酯 | $Y = 733.66X - 757.23$ | 1-100 | 0.9988 | 17.3 | 0.08 |
| 4 | 甲草胺 | $Y = 4748.10X - 203.28$ | 1-100 | 0.9996 | 3.72 | 0.08 |
| 5 | 丙烯菊酯 | $Y = 3135.41X + 708.82$ | 1-100 | 0.9993 | 5.85 | 1.29 |
| 6 | 草毒死 | $Y = 823.71X + 953.84$ | 1-100 | 0.9998 | 5.73 | 6.98 |
| 7 | α -硫丹 | $Y = 249.92X - 51.33$ | 1-100 | 0.9999 | 9.34 | 0.44 |
| 8 | α -六六六 | $Y = 5324.58X - 6162.15$ | 1-100 | 0.9981 | 3.80 | 0.58 |
| 9 | 莠灭净 | $Y = 4413.44X - 8816.33$ | 1-100 | 0.9973 | 4.84 | 0.22 |
| 10 | 莎秕磷 | $Y = 1625.13X - 7202.69$ | 1-100 | 0.9928 | 2.58 | 0.13 |
| 11 | 莠去津 | $Y = 1975.46X + 157.75$ | 1-100 | 0.9996 | 1.90 | 0.06 |
| 12 | 氧环唑 | $Y = 5230.73X - 28910.66$ | 1-100 | 0.9921 | 15.13 | 0.11 |
| 13 | 谷硫磷 | $Y = 1743.05X - 8954.43$ | 1-100 | 0.9987 | 10.7 | 0.89 |
| 14 | 噻菌酯 | $Y = 2557.44X - 16523.09$ | 1-100 | 0.9905 | 23.66 | 1.59 |
| 15 | 苯霜灵 | $Y = 5772.85X - 1873.79$ | 1-100 | 0.9992 | 6.71 | 0.30 |
| 16 | 氟落灵 | $Y = 2675.35X + 4037.03$ | 1-100 | 0.9993 | 3.55 | 0.03 |
| 17 | 解草酮 | $Y = 3007.93X - 1815.10$ | 1-100 | 0.9979 | 3.81 | 0.19 |
| 18 | β -硫丹 | $Y = 88.25X - 88.03$ | 1-100 | 0.9999 | 23.50 | 1.52 |
| 19 | β -六六六 | $Y = 4379.02X - 5814.94$ | 1-100 | 0.9978 | 4.20 | 0.08 |
| 20 | 联苯腈酯 | $Y = 3328.21X - 5280.80$ | 1-100 | 0.9952 | 7.29 | 0.13 |
| 21 | 甲羧除草醚 | $Y = 445.55X + 70.01$ | 1-100 | 0.9998 | 7.11 | 0.13 |
| 22 | 氟氯菊酯 | $Y = 27460.55X + 12277.34$ | 1-100 | 0.9999 | 4.60 | 0.04 |
| 23 | 生物苯呋菊酯 | $Y = 3902.52X - 2350.69$ | 1-100 | 0.9991 | 6.70 | 0.15 |
| 24 | 联苯 | $Y = 5252.27X + 1073.17$ | 1-100 | 0.9999 | 1.43 | 0.10 |
| 25 | 双苯三唑醇 | $Y = 11840.31X - 14200.12$ | 1-100 | 0.9886 | 8.32 | 0.13 |
| 26 | 除草定 | $Y = 3302.76X - 4202.11$ | 1-100 | 0.997 | 5.68 | 1.27 |
| 27 | 溴丁酰草胺 | $Y = 1170.72X - 80.89$ | 1-100 | 0.9994 | 6.07 | 0.07 |
| 28 | 溴克座 | $Y = 6766.79X - 11574.83$ | 1-100 | 0.9921 | 9.33 | 0.08 |
| 29 | 甲基溴硫磷 | $Y = 4060.70X - 1946.37$ | 1-100 | 0.9999 | 6.39 | 0.02 |
| 30 | 乙基溴硫磷 | $Y = 4839.23X + 3620.66$ | 1-100 | 0.9999 | 4.70 | 0.10 |
| 31 | 溴螨酯 | $Y = 7046.70X - 1961.46$ | 1-100 | 0.9999 | 6.74 | 0.01 |
| 32 | 磺噻菌灵 | $Y = 3561.39X - 17030.87$ | 1-100 | 0.9987 | 3.53 | 0.07 |
| 33 | 噻嗪酮 | $Y = 1930.97X - 979.25$ | 1-100 | 0.9999 | 4.83 | 0.05 |
| 34 | 丁草胺 | $Y = 2592.68X - 1854.73$ | 1-100 | 0.9993 | 4.05 | 0.43 |
| 35 | 氟丙嘧草酯 | $Y = 6531.69X + 11020.85$ | 1-100 | 0.9998 | 5.78 | 0.02 |
| 36 | 抑草磷 | $Y = 804.36X - 973.93$ | 1-100 | 0.999 | 5.95 | 0.13 |
| 37 | 克线丹 | $Y = 2888.43X + 2.13$ | 1-100 | 0.9999 | 3.29 | 0.26 |

| No. | 中文名 | 线性方程 | 浓度范围 ($\mu\text{g/L}$) | R | RSD% (n=6) | 检出限 ($\mu\text{g/L}$) |
|-----|---------------|----------------------------|-----------------------------|--------|---------------|----------------------------|
| 38 | 苯酮唑 | $Y = 778.94X - 2967.82$ | 1-100 | 0.9971 | 9.39 | 2.46 |
| 39 | 敌菌丹 | $Y = 4158.26X - 9109.90$ | 1-100 | 0.9988 | 6.25 | 5.17 |
| 40 | 克菌丹 | $Y = 615.69X - 1424.75$ | 1-100 | 0.998 | 13.04 | 1.33 |
| 41 | 克百威 | $Y = 4333.46X + 9130.90$ | 1-100 | 0.9995 | 4.26 | 0.19 |
| 42 | 萎锈灵 | $Y = 3172.37X + 17908.93$ | 1-100 | 0.9929 | 2.15 | 0.03 |
| 43 | 氟酮唑草 | $Y = 3609.08X - 2996.24$ | 1-100 | 0.9992 | 6.04 | 0.05 |
| 44 | 灭螨猛 | $Y = 11462.09X - 19059.43$ | 1-100 | 0.9967 | 9.66 | 0.11 |
| 45 | 氯杀螨 | $Y = 10262.13X - 6259.28$ | 1-100 | 0.9995 | 5.20 | 0.06 |
| 46 | 氯炔灵 | $Y = 897.23X + 32.58$ | 1-100 | 0.9998 | 7.78 | 0.07 |
| 47 | 氯氧磷 | $Y = 4326.42X + 3743.88$ | 1-100 | 0.9999 | 2.71 | 0.11 |
| 48 | 虫螨腈 | $Y = 423.11X - 593.70$ | 1-100 | 0.9998 | 13.68 | 0.26 |
| 49 | 杀螨酯 | $Y = 5867.90X - 569.82$ | 1-100 | 0.9999 | 3.80 | 0.02 |
| 50 | (E)-毒虫畏 | $Y = 2307.44X - 3964.09$ | 1-100 | 0.9989 | 4.34 | 0.04 |
| 51 | (Z)-毒虫畏 | $Y = 2523.53X - 6453.80$ | 1-100 | 0.9979 | 3.32 | 0.03 |
| 52 | 草枯醚 | $Y = 1333.91X - 2649.26$ | 1-100 | 0.9955 | 8.27 | 0.05 |
| 53 | 乙酯杀螨醇 | $Y = 18454.28X - 7724.24$ | 1-100 | 0.9998 | 4.99 | 0.02 |
| 54 | 地茂散 | $Y = 12018.30X + 15780.57$ | 1-100 | 0.9999 | 4.14 | 0.10 |
| 55 | 丙酯杀螨醇 | $Y = 22174.57X - 18544.74$ | 1-100 | 0.9985 | 6.85 | 0.01 |
| 56 | 异稻瘟净 | $Y = 9635.80X - 650.44$ | 1-100 | 0.9997 | 6.46 | 0.02 |
| 57 | 氯苯胺灵 | $Y = 2534.15X + 2352.39$ | 1-100 | 0.9998 | 2.62 | 0.06 |
| 58 | 毒死蜱 | $Y = 1526.03X - 1817.63$ | 1-100 | 0.9993 | 2.95 | 0.05 |
| 59 | 甲基毒死蜱 | $Y = 1607.01X - 1981.14$ | 1-100 | 0.9991 | 3.95 | 0.05 |
| 60 | 氯酞酸二甲酯 | $Y = 3728.94X + 2998.18$ | 1-100 | 0.9994 | 4.23 | 0.10 |
| 61 | 乙菌利 | $Y = 1766.68X + 1401.52$ | 1-100 | 0.9997 | 4.62 | 0.24 |
| 62 | 吡啶酮草酯 | $Y = 4157.70X + 6572.56$ | 1-100 | 0.9985 | 3.42 | 0.04 |
| 63 | 广灭灵 | $Y = 5605.63X - 1524.22$ | 1-100 | 0.9996 | 3.28 | 0.12 |
| 64 | 氯甲酰草胺 | $Y = 2480.76X + 555.62$ | 1-100 | 0.9999 | 2.27 | 0.03 |
| 65 | 蝇毒磷 | $Y = 5782.11X + 5793.43$ | 1-100 | 0.9993 | 2.77 | 0.12 |
| 66 | 氰草津 | $Y = 798.58X - 3340.62$ | 1-100 | 0.998 | 12.42 | 0.37 |
| 67 | 苯腈磷 | $Y = 3909.38X - 4085.89$ | 1-100 | 0.9995 | 6.14 | 0.03 |
| 68 | 杀螟腈 | $Y = 3352.53X - 2169.31$ | 1-100 | 0.9996 | 1.79 | 0.03 |
| 69 | 环氟菌胺 | $Y = 479.45X - 648.29$ | 1-100 | 0.9997 | 8.64 | 0.26 |
| 70 | 氟氯氰菊酯 | $Y = 1029.93X - 999.35$ | 1-100 | 0.9986 | 20.73 | 0.28 |
| 71 | 氰氟草酯 | $Y = 4298.10X - 5312.30$ | 1-100 | 0.9992 | 6.63 | 0.02 |
| 72 | 氯氟氰菊酯 | $Y = 1763.34X - 358.75$ | 1-100 | 0.9987 | 5.72 | 0.07 |
| 73 | 氯氰菊酯 | $Y = 2975.83X - 802.76$ | 1-100 | 0.9984 | 12.14 | 0.22 |
| 74 | 环丙唑醇 | $Y = 3320.15X - 1650.07$ | 1-100 | 0.9992 | 3.03 | 0.06 |
| 75 | 啉菌环胺 | $Y = 6528.49X - 964.47$ | 1-100 | 0.9999 | 4.76 | 0.26 |
| 76 | 二氯异丙醚 | $Y = 4950.30X + 3343.05$ | 1-100 | 0.9999 | 6.65 | 0.06 |
| 77 | δ -六六六 | $Y = 5517.02X - 9250.31$ | 1-100 | 0.9978 | 4.02 | 0.08 |
| 78 | 溴氰菊酯 | $Y = 1135.66X - 1784.39$ | 1-100 | 0.9986 | 21.62 | 0.11 |

| No. | 中文名 | 线性方程 | 浓度范围 ($\mu\text{g/L}$) | R | RSD% (n=6) | 检出限 ($\mu\text{g/L}$) |
|-----|-----------|----------------------------|-----------------------------|--------|---------------|----------------------------|
| 79 | 甜菜安 | $Y = 1808.37X - 2778.65$ | 1-100 | 0.9959 | 7.79 | 0.47 |
| 80 | 燕麦敌 | $Y = 5261.15X + 7080.77$ | 1-100 | 0.9998 | 3.84 | 0.01 |
| 81 | 二嗪磷 | $Y = 1105.76X - 907.29$ | 1-100 | 0.9991 | 3.40 | 0.08 |
| 82 | 敌草腈 | $Y = 16601.30X + 13922.65$ | 1-100 | 0.9997 | 1.67 | 0.01 |
| 83 | 除线磷 | $Y = 3951.42X - 2351.59$ | 1-100 | 0.9997 | 0.98 | 0.02 |
| 84 | 苯氟磺胺 | $Y = 6666.63X - 11894.84$ | 1-100 | 0.9974 | 3.54 | 0.05 |
| 85 | 苯氟磺胺代谢物 | $Y = 4764.18X + 1375.94$ | 1-100 | 0.9998 | 3.24 | 0.17 |
| 86 | 乙滴涕 | $Y = 11261.16X - 3902.41$ | 1-100 | 0.9997 | 4.46 | 0.06 |
| 87 | 敌敌畏 | $Y = 996.86X - 609.19$ | 1-100 | 0.9999 | 4.56 | 0.14 |
| 88 | 吡氯三唑醇 | $Y = 3552.14X - 19912.26$ | 1-100 | 0.9924 | 15.56 | 0.04 |
| 89 | 双氯氰菌胺 | $Y = 9888.36X - 13836.44$ | 1-100 | 0.9977 | 3.84 | 0.08 |
| 90 | 禾草灵甲酯 | $Y = 5002.57X - 3053.60$ | 1-100 | 0.9994 | 6.26 | 0.20 |
| 91 | 氯硝胺 | $Y = 1963.97X + 1864.47$ | 1-100 | 0.9997 | 3.61 | 0.28 |
| 92 | 三氯杀螨醇 | $Y = 3421.01X + 2066.27$ | 1-100 | 0.9998 | 6.77 | 0.02 |
| 93 | 百治磷 | $Y = 2926.00X - 26528.95$ | 1-100 | 0.9986 | 23.12 | 1.17 |
| 94 | 乙霉威 | $Y = 4674.72X - 3603.66$ | 1-100 | 0.9994 | 7.42 | 0.05 |
| 95 | 恶醚唑 | $Y = 2256.48X - 11372.99$ | 1-100 | 0.9934 | 33.71 | 0.27 |
| 96 | 吡氟酰草胺 | $Y = 9370.67X - 983.15$ | 1-100 | 0.9994 | 6.67 | 0.01 |
| 97 | 啶草丹 | $Y = 5709.21X - 4390.09$ | 1-100 | 0.9995 | 6.83 | 0.12 |
| 98 | 异戊乙净 | $Y = 6257.85X - 5236.38$ | 1-100 | 0.9998 | 6.55 | 0.07 |
| 99 | 二甲酚噻草胺 | $Y = 10412.20X + 1513.91$ | 1-100 | 0.9995 | 3.83 | 0.04 |
| 100 | 噻节因 | $Y = 538.98X - 1354.83$ | 1-100 | 0.9995 | 6.63 | 0.52 |
| 101 | 乐果 | $Y = 346.88X - 1518.06$ | 1-100 | 0.9952 | 6.45 | 1.06 |
| 102 | (E)-甲基毒虫畏 | $Y = 2719.78X - 5578.33$ | 1-100 | 0.9987 | 3.29 | 0.03 |
| 103 | (Z)-甲基毒虫畏 | $Y = 3012.36X - 7528.75$ | 1-100 | 0.9982 | 5.98 | 0.03 |
| 104 | 草乃敌 | $Y = 10565.97X - 6365.84$ | 1-100 | 0.9994 | 3.99 | 0.27 |
| 105 | 二苯胺 | $Y = 4534.44X - 495.05$ | 1-100 | 0.9997 | 3.05 | 0.41 |
| 106 | 乙拌磷 | $Y = 1231.20X + 419.53$ | 1-100 | 0.9996 | 6.87 | 0.52 |
| 107 | 乙拌磷砒 | $Y = 4724.59X - 4225.71$ | 1-100 | 0.9985 | 6.89 | 0.17 |
| 108 | 氟硫草定 | $Y = 6291.81X - 437.15$ | 1-100 | 0.9999 | 5.02 | 0.01 |
| 109 | 敌瘟磷 | $Y = 1261.41X - 5152.47$ | 1-100 | 0.9941 | 4.33 | 0.11 |
| 110 | 硫丹硫酸酯 | $Y = 450.50X - 319.93$ | 1-100 | 0.9993 | 6.21 | 0.20 |
| 111 | 苯硫磷 | $Y = 959.51X - 1880.43$ | 1-100 | 0.9973 | 6.31 | 0.57 |
| 112 | 氟环唑 | $Y = 7153.47X - 7665.77$ | 1-100 | 0.9963 | 5.85 | 0.08 |
| 113 | 禾草畏 | $Y = 12016.93X - 6128.75$ | 1-100 | 0.9997 | 4.80 | 0.10 |
| 114 | 丁氟消草 | $Y = 1310.32X + 343.51$ | 1-100 | 0.999 | 9.04 | 0.77 |
| 115 | 乙硫磷 | $Y = 1232.44X - 2551.16$ | 1-100 | 0.9976 | 5.97 | 0.09 |
| 116 | 醚菊唑 | $Y = 25734.91X + 13032.43$ | 1-100 | 0.9998 | 7.86 | 0.04 |
| 117 | 乙呋草黄 | $Y = 4022.07X - 849.22$ | 1-100 | 0.9994 | 4.14 | 0.07 |
| 118 | 灭线磷 | $Y = 1531.10X - 372.48$ | 1-100 | 0.9999 | 4.30 | 0.15 |
| 119 | 乙氧苯草胺 | $Y = 4951.14X + 207.31$ | 1-100 | 0.9997 | 10.92 | 0.05 |

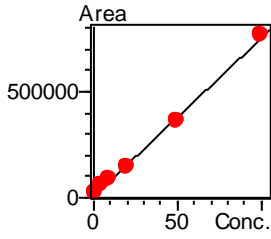
| No. | 中文名 | 线性方程 | 浓度范围 ($\mu\text{g/L}$) | R | RSD% (n=6) | 检出限 ($\mu\text{g/L}$) |
|-----|-----------|----------------------------|-----------------------------|--------|---------------|----------------------------|
| 120 | 乙螨唑 | $Y = 551.15X - 1033.56$ | 1-100 | 0.9997 | 4.78 | 0.15 |
| 121 | 乙螨唑代谢物 | $Y = 3887.86X - 5752.64$ | 1-100 | 0.9991 | 5.74 | 0.07 |
| 122 | 土菌灵 | $Y = 6567.70X + 6889.37$ | 1-100 | 0.9998 | 2.79 | 0.02 |
| 123 | 乙嘧硫磷 | $Y = 1523.05X - 1152.96$ | 1-100 | 0.9996 | 2.77 | 0.05 |
| 124 | 恶唑菌酮 | $Y = 1692.42X - 215.54$ | 1-100 | 0.9958 | 5.47 | 0.19 |
| 125 | 咪唑菌酮 | $Y = 1598.23X + 2677.03$ | 1-100 | 0.9995 | 3.19 | 0.24 |
| 126 | 苯线磷 | $Y = 345.77X - 1861.21$ | 1-100 | 0.9999 | 4.56 | 0.24 |
| 127 | 氯苯嘧啶醇 | $Y = 2961.75X - 11675.82$ | 1-100 | 0.9979 | 12.2 | 0.04 |
| 128 | 腈苯唑 | $Y = 16026.64X - 13129.78$ | 1-100 | 0.9937 | 1.71 | 0.02 |
| 129 | 皮蝇磷 | $Y = 6003.35X + 1743.65$ | 1-100 | 0.9999 | 5.89 | 0.05 |
| 130 | 杀螟硫磷 | $Y = 874.17X - 796.89$ | 1-100 | 0.999 | 2.17 | 0.10 |
| 131 | 苯硫威 | $Y = 8599.00X - 8210.06$ | 1-100 | 0.9996 | 6.87 | 0.02 |
| 132 | 稻瘟酰胺 | $Y = 1830.18X - 2360.36$ | 1-100 | 0.9995 | 2.62 | 0.12 |
| 133 | 恶唑禾草灵(乙酯) | $Y = 6060.68X - 3370.61$ | 1-100 | 0.9971 | 2.42 | 0.02 |
| 134 | 苯氧威 | $Y = 937.04X - 126.37$ | 1-100 | 0.9999 | 7.39 | 0.11 |
| 135 | 甲氧菊酯 | $Y = 1500.76X - 2257.89$ | 1-100 | 0.9989 | 7.28 | 0.09 |
| 136 | 丰索磷 | $Y = 201.77X - 853.07$ | 1-100 | 0.9955 | 5.98 | 0.36 |
| 137 | 倍硫磷 | $Y = 2634.62X - 3582.30$ | 1-100 | 0.999 | 1.87 | 0.04 |
| 138 | 氰戊菊酯 | $Y = 1194.51X - 2099.05$ | 1-100 | 0.9984 | 24.48 | 0.11 |
| 139 | 氟虫腈 | $Y = 1884.37X - 2782.02$ | 1-100 | 0.9998 | 4.09 | 0.07 |
| 140 | 麦草伏甲酯 | $Y = 4365.12X + 1182.96$ | 1-100 | 0.9998 | 5.39 | 0.07 |
| 141 | 啞螨酯 | $Y = 984.45X + 22.05$ | 1-100 | 0.9995 | 10.23 | 0.14 |
| 142 | 氟氰戊菊酯 | $Y = 5293.86X - 7482.22$ | 1-100 | 0.998 | 18.42 | 0.11 |
| 143 | 咯菌腈 | $Y = 4690.56X - 5540.93$ | 1-100 | 0.9981 | 7.40 | 0.04 |
| 144 | 氟吡啶草酯 | $Y = 2106.56X - 1161.40$ | 1-100 | 0.999 | 8.21 | 0.07 |
| 145 | 氟烯草酸 | $Y = 1340.71X + 2162.07$ | 1-100 | 0.9994 | 5.74 | 0.06 |
| 146 | 丙炔氟草胺 | $Y = 401.36X + 505.30$ | 1-100 | 0.9998 | 7.31 | 0.35 |
| 147 | 氟啶唑 | $Y = 4102.67X - 13395.46$ | 1-100 | 0.9983 | 8.02 | 0.03 |
| 148 | 氟啶草酮 | $Y = 1703.10X + 892.90$ | 1-100 | 0.9962 | 1.80 | 0.11 |
| 149 | 氟硅唑 | $Y = 2400.57X - 600.98$ | 1-100 | 0.9994 | 5.05 | 0.49 |
| 150 | 氟硅唑代谢物 | $Y = 2562.98X + 1388.46$ | 1-100 | 0.9995 | 27.28 | 0.12 |
| 151 | 纹枯胺 | $Y = 22409.43X - 1538.04$ | 1-100 | 0.9999 | 4.59 | 0.06 |
| 152 | 粉唑醇 | $Y = 5786.06X + 10108.45$ | 1-100 | 0.9987 | 3.8 | 0.08 |
| 153 | 氟氰胺菊酯 | $Y = 2587.87X - 1866.38$ | 1-100 | 0.9992 | 18.62 | 0.08 |
| 154 | 灭菌丹 | $Y = 1611.23X - 3075.63$ | 1-100 | 0.9992 | 16.9 | 0.34 |
| 155 | 地虫硫磷 | $Y = 2561.63X - 2106.14$ | 1-100 | 0.9995 | 0.71 | 0.10 |
| 156 | 安果磷 | $Y = 716.96X - 2344.26$ | 1-100 | 0.9984 | 8.07 | 0.65 |
| 157 | 噻唑磷 | $Y = 85.56X - 853.03$ | 1-100 | 0.9911 | 4.66 | 0.09 |
| 158 | 四氯苯酞 | $Y = 6861.05X + 2628.35$ | 1-100 | 0.9999 | 2.70 | 0.03 |
| 159 | 呋吡菌胺 | $Y = 3168.69X - 1184.00$ | 1-100 | 0.9993 | 3.69 | 0.41 |
| 160 | 呋吡菌胺代谢物 | $Y = 5988.53X + 824.07$ | 1-100 | 0.9976 | 3.66 | 0.06 |

| No. | 中文名 | 线性方程 | 浓度范围 ($\mu\text{g/L}$) | R | RSD% (n=6) | 检出限 ($\mu\text{g/L}$) |
|-----|------------------|----------------------------|-----------------------------|--------|---------------|----------------------------|
| 161 | 解草恶唑 | $Y = 3149.94X + 1585.35$ | 1-100 | 0.9999 | 6.21 | 0.07 |
| 162 | γ -六六六/林丹 | $Y = 6292.49X - 1626.41$ | 1-100 | 0.9987 | 3.45 | 0.01 |
| 163 | 苜蓿醚 | $Y = 943.43X - 1199.44$ | 1-100 | 0.9975 | 3.25 | 0.36 |
| 164 | 己唑醇 | $Y = 1117.96X - 1751.08$ | 1-100 | 0.9951 | 7.56 | 0.43 |
| 165 | 环嗪酮 | $Y = 12524.12X - 7935.31$ | 1-100 | 0.999 | 6.20 | 0.06 |
| 166 | 甲基咪草酯 | $Y = 3237.03X - 1860.77$ | 1-100 | 0.9996 | 3.76 | 0.74 |
| 167 | 酰胺唑-脱苯甲基 | $Y = 2624.34X + 3128.18$ | 1-100 | 0.995 | 5.46 | 0.07 |
| 168 | 酰胺唑 | $Y = 305.75X - 139.36$ | 1-100 | 0.9897 | 9.68 | 0.40 |
| 169 | 茚虫威 | $Y = 1127.45X + 2308.08$ | 1-100 | 0.9997 | 4.17 | 0.13 |
| 170 | 异菌脲 | $Y = 1685.99X - 2835.84$ | 1-100 | 0.9948 | 8.61 | 0.39 |
| 171 | 异菌脲代谢物 | $Y = 875.42X - 3351.98$ | 1-100 | 0.9995 | 5.26 | 4.55 |
| 172 | 氯唑磷 | $Y = 2665.23X - 1371.82$ | 1-100 | 0.9996 | 6.10 | 0.41 |
| 173 | 水胺硫磷 | $Y = 1659.51X - 1174.37$ | 1-100 | 0.9995 | 11.62 | 0.42 |
| 174 | 异柳磷 | $Y = 2641.16X - 3740.44$ | 1-100 | 0.9987 | 1.39 | 0.03 |
| 175 | 甲基异柳磷 | $Y = 7721.54X - 10049.08$ | 1-100 | 0.9996 | 5.33 | 0.08 |
| 176 | 牛津郡异柳磷 | $Y = 14887.75X - 931.45$ | 1-100 | 0.9995 | 8.54 | 0.03 |
| 177 | 异丙威 | $Y = 18433.54X + 22552.98$ | 1-100 | 0.9999 | 3.02 | 0.08 |
| 178 | 稻瘟灵 | $Y = 2284.32X - 1446.57$ | 1-100 | 0.9999 | 8.06 | 0.05 |
| 179 | 双苯恶唑酸乙酯 | $Y = 2113.34X - 2678.98$ | 1-100 | 0.9981 | 5.02 | 0.30 |
| 180 | 恶唑磷 | $Y = 1788.97X - 4373.93$ | 1-100 | 0.9975 | 2.48 | 0.13 |
| 181 | 苯氧菊酯 | $Y = 2973.58X - 3699.66$ | 1-100 | 0.9995 | 5.19 | 0.04 |
| 182 | 马拉硫磷 | $Y = 1826.64X - 3207.11$ | 1-100 | 0.9984 | 4.29 | 0.07 |
| 183 | 2-甲-4-氯硫代乙酯 | $Y = 1683.07X - 2262.00$ | 1-100 | 0.9978 | 9.71 | 0.34 |
| 184 | 灭蚜磷 | $Y = 1038.07X - 1361.84$ | 1-100 | 0.9993 | 12.62 | 0.34 |
| 185 | 苯噻草胺 | $Y = 17215.37X - 27785.22$ | 1-100 | 0.9956 | 2.45 | 0.12 |
| 186 | 吡唑解草酯 | $Y = 6266.17X - 6542.95$ | 1-100 | 0.9988 | 6.64 | 0.05 |
| 187 | 灭锈胺 | $Y = 7548.83X + 544.64$ | 1-100 | 0.9998 | 5.23 | 0.02 |
| 188 | 甲霜灵 | $Y = 1456.48X - 834.16$ | 1-100 | 0.9998 | 7.11 | 0.15 |
| 189 | 虫螨畏 | $Y = 970.39X + 486.29$ | 1-100 | 0.9999 | 2.48 | 0.06 |
| 190 | 甲胺磷 | $Y = 4721.12X - 9053.93$ | 1-100 | 0.9987 | 6.17 | 3.06 |
| 191 | 杀扑磷 | $Y = 5090.82X - 11299.82$ | 1-100 | 0.998 | 1.43 | 0.03 |
| 192 | 烯虫酯 | $Y = 375.18X - 119.33$ | 1-100 | 0.9953 | 7.70 | 6.98 |
| 193 | 甲氧滴滴涕 | $Y = 3225.26X - 6209.44$ | 1-100 | 0.9974 | 4.13 | 0.38 |
| 194 | 异丙甲草胺 | $Y = 17007.42X - 6968.63$ | 1-100 | 0.9998 | 2.23 | 0.02 |
| 195 | (E)-苯氧菌胺 | $Y = 3869.82X - 6021.28$ | 1-100 | 0.9987 | 7.90 | 0.13 |
| 196 | (Z)-苯氧菌胺 | $Y = 2144.27X - 3223.07$ | 1-100 | 0.9987 | 5.02 | 0.60 |
| 197 | 嗪草酮 | $Y = 3374.13X - 6217.52$ | 1-100 | 0.997 | 4.96 | 0.70 |
| 198 | 内吸磷-S-甲基 | $Y = 2027.99X - 985.00$ | 1-100 | 0.9994 | 4.98 | 0.10 |
| 199 | 速灭磷 | $Y = 605.13X - 273.08$ | 1-100 | 0.9992 | 7.03 | 2.48 |
| 200 | 禾草敌 | $Y = 9379.02X + 10848.99$ | 1-100 | 0.9997 | 2.53 | 0.06 |
| 201 | 久效磷 | $Y = 1116.06X - 10146.68$ | 1-100 | 0.9999 | 23.8 | 0.46 |

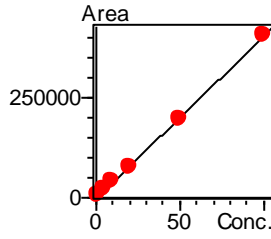
| No. | 中文名 | 线性方程 | 浓度范围 ($\mu\text{g/L}$) | R | RSD% (n=6) | 检出限 ($\mu\text{g/L}$) |
|-----|----------|----------------------------|-----------------------------|--------|---------------|----------------------------|
| 202 | 腈菌唑 | $Y = 2621.41X - 22866.39$ | 5-100 | 0.9902 | 7.56 | 0.12 |
| 203 | 二溴磷 | $Y = 814.52X + 273.00$ | 1-100 | 0.9998 | 7.82 | 0.74 |
| 204 | 1-萘酰胺 | $Y = 7425.05X + 6953.36$ | 1-100 | 0.9989 | 7.42 | 0.08 |
| 205 | 敌草胺 | $Y = 6621.47X - 3360.51$ | 1-100 | 0.9996 | 4.35 | 0.27 |
| 206 | 甲磺乐灵 | $Y = 2241.96X - 6002.50$ | 1-100 | 0.9942 | 6.25 | 0.30 |
| 207 | 除草醚 | $Y = 1003.36X - 2008.08$ | 1-100 | 0.9953 | 6.78 | 0.08 |
| 208 | 酞菌酯 | $Y = 2277.28X - 1990.99$ | 1-100 | 0.9992 | 9.21 | 0.19 |
| 209 | 氟草敏 | $Y = 4998.33X - 2425.88$ | 1-100 | 0.9993 | 6.86 | 0.32 |
| 210 | 氧化乐果 | $Y = 1130.24X - 9857.22$ | 1-100 | 0.9999 | 8.03 | 0.70 |
| 211 | o,p'-DDT | $Y = 2961.00X + 4197.89$ | 1-100 | 0.9991 | 4.10 | 0.25 |
| 212 | 解草腈 | $Y = 484.84X - 994.033$ | 1-100 | 0.9973 | 9.94 | 2.11 |
| 213 | 恶草酮 | $Y = 6859.25X + 7245.39$ | 1-100 | 0.9992 | 5.78 | 0.05 |
| 214 | 恶霜灵 | $Y = 9888.16X - 8217.46$ | 1-100 | 0.9987 | 5.96 | 0.14 |
| 215 | 乙氧氟草醚 | $Y = 760.25X - 1163.96$ | 1-100 | 0.999 | 4.84 | 0.41 |
| 216 | 多效唑 | $Y = 5500.72X + 2271.27$ | 1-100 | 0.9997 | 6.45 | 0.06 |
| 217 | 对硫磷 | $Y = 489.48X - 665.47$ | 1-100 | 0.9988 | 5.32 | 0.16 |
| 218 | 甲基对硫磷 | $Y = 878.04X - 415.39$ | 1-100 | 0.9997 | 3.25 | 0.09 |
| 219 | 戊菌唑 | $Y = 3109.93X - 18810.10$ | 1-100 | 0.9995 | 8.06 | 0.23 |
| 220 | 二甲戊乐灵 | $Y = 2589.94X - 4401.90$ | 1-100 | 0.9988 | 3.34 | 0.08 |
| 221 | 恶嗪酮 | $Y = 10130.28X - 17645.19$ | 1-100 | 0.9957 | 3.71 | 0.07 |
| 222 | 氯菊酯 | $Y = 3561.17X + 4915.97$ | 1-100 | 0.9987 | 15.52 | 0.11 |
| 223 | 稻丰散 | $Y = 1399.31X - 3115.44$ | 1-100 | 0.9975 | 4.56 | 0.07 |
| 224 | 甲拌磷 | $Y = 891.13X - 170.87$ | 1-100 | 0.9999 | 1.77 | 0.08 |
| 225 | 伏杀磷 | $Y = 1608.27X - 5119.60$ | 1-100 | 0.9952 | 2.22 | 0.08 |
| 226 | 亚胺硫磷 | $Y = 9308.00X - 7702.62$ | 1-100 | 0.999 | 8.93 | 0.03 |
| 227 | 磷胺 | $Y = 279.90X - 1916.25$ | 1-100 | 0.9995 | 1.94 | 0.53 |
| 228 | 氟吡草胺 | $Y = 6344.42X - 3523.43$ | 1-100 | 0.9986 | 6.76 | 0.05 |
| 229 | 增效醚 | $Y = 9790.82X - 11063.77$ | 1-100 | 0.9958 | 6.00 | 0.34 |
| 230 | 呱草磷 | $Y = 1477.29X - 6077.04$ | 1-100 | 0.993 | 2.60 | 0.12 |
| 231 | 甲基嘧啶磷 | $Y = 387.56X + 756.59$ | 1-100 | 0.9997 | 5.04 | 0.12 |
| 232 | p,p'-DDD | $Y = 37568.94X + 19578.65$ | 1-100 | 0.9999 | 2.24 | 0.02 |
| 233 | p,p'-DDE | $Y = 1228.99X + 1710.44$ | 1-100 | 0.9998 | 8.03 | 0.58 |
| 234 | p,p'-DDT | $Y = 7772.53X + 9576.79$ | 1-100 | 0.9991 | 4.44 | 0.09 |
| 235 | 丙草胺 | $Y = 5274.63X - 8967.16$ | 1-100 | 0.9987 | 5.99 | 0.05 |
| 236 | 腐霉利 | $Y = 6205.93X + 8516.11$ | 1-100 | 0.9993 | 3.35 | 0.09 |
| 237 | 丙溴磷 | $Y = 1251.50X - 3417.16$ | 1-100 | 0.9972 | 2.23 | 0.07 |
| 238 | 扑草净 | $Y = 3453.56X - 2757.92$ | 1-100 | 0.9994 | 5.14 | 0.28 |
| 239 | 毒草安 | $Y = 4180.25X + 4660.09$ | 1-100 | 0.9998 | 6.06 | 0.03 |
| 240 | 敌稗 | $Y = 5749.25X - 10582.66$ | 1-100 | 0.9968 | 6.38 | 0.22 |
| 241 | 丙虫磷 | $Y = 1899.31X - 5846.30$ | 1-100 | 0.9968 | 3.81 | 0.08 |
| 242 | 克螨特 | $Y = 10425.48X - 3976.56$ | 1-100 | 0.9979 | 6.87 | 0.38 |

| No. | 中文名 | 线性方程 | 浓度范围 ($\mu\text{g/L}$) | R | RSD% (n=6) | 检出限 ($\mu\text{g/L}$) |
|-----|---------|----------------------------|-----------------------------|--------|---------------|----------------------------|
| 243 | 扑灭津 | $Y = 2210.00X - 191.26$ | 1-100 | 0.9998 | 3.58 | 0.24 |
| 244 | 丙环唑 | $Y = 4129.77X - 1640.44$ | 1-100 | 0.9998 | 5.00 | 0.08 |
| 245 | 残杀威 | $Y = 9646.72X + 9931.86$ | 1-100 | 0.9999 | 2.89 | 0.06 |
| 246 | 戊炔草胺 | $Y = 14215.12X + 5989.09$ | 1-100 | 0.9996 | 6.55 | 0.03 |
| 247 | 丙硫磷 | $Y = 1443.99X - 2335.13$ | 1-100 | 0.9984 | 1.29 | 0.06 |
| 248 | 吡啶硫磷 | $Y = 321.75X - 1748.65$ | 1-100 | 0.9906 | 14.25 | 0.74 |
| 249 | 吡啶磷 | $Y = 4372.92X - 7864.63$ | 1-100 | 0.9991 | 3.70 | 0.13 |
| 250 | 苜草唑 | $Y = 38.16X + 86.50$ | 1-100 | 0.9923 | 9.78 | 1.02 |
| 251 | 稗草丹 | $Y = 26701.09X - 1251.51$ | 1-100 | 0.9987 | 4.77 | 0.01 |
| 252 | 哒螨灵 | $Y = 18002.94X - 10719.89$ | 1-100 | 0.9984 | 3.15 | 0.03 |
| 253 | 哒嗪硫磷 | $Y = 1004.43X - 3724.69$ | 1-100 | 0.9943 | 1.82 | 0.10 |
| 254 | 啶螨醚 | $Y = 7267.58X - 22745.42$ | 1-100 | 0.9964 | 3.50 | 0.18 |
| 255 | (E)-啶草醚 | $Y = 14803.10X - 14655.75$ | 1-100 | 0.9993 | 5.72 | 0.02 |
| 256 | (Z)-啶草醚 | $Y = 14547.59X - 20049.61$ | 1-100 | 0.9992 | 6.35 | 0.03 |
| 257 | 蚊蝇醚 | $Y = 1696.99X - 2845.84$ | 1-100 | 0.9987 | 5.53 | 0.01 |
| 258 | 百快隆 | $Y = 12252.11X - 9633.57$ | 1-100 | 0.9981 | 3.13 | 0.14 |
| 259 | 啶硫磷 | $Y = 1602.62X - 2999.82$ | 1-100 | 0.998 | 6.56 | 0.48 |
| 260 | 灭藻醌 | $Y = 4470.24X - 1718.04$ | 1-100 | 0.9999 | 4.31 | 0.02 |
| 261 | 啶氧灵 | $Y = 12606.84X - 6573.51$ | 1-100 | 0.9997 | 4.89 | 0.03 |
| 262 | 五氯硝基苯 | $Y = 1955.10X + 351.20$ | 1-100 | 0.9994 | 6.91 | 0.33 |
| 263 | 苜呋菊酯 | $Y = 2180.56X + 1633.23$ | 1-100 | 0.9994 | 6.18 | 0.36 |
| 264 | 蔬果磷 | $Y = 2162.56X + 123.73$ | 1-100 | 0.9999 | 1.30 | 0.18 |
| 265 | 硅醚菊酯 | $Y = 13889.57X - 1481.44$ | 1-100 | 0.9985 | 1.46 | 0.03 |
| 266 | 西玛津 | $Y = 3783.18X + 336.03$ | 1-100 | 0.9999 | 2.78 | 0.21 |
| 267 | 硅氟唑 | $Y = 1432.76X - 7567.64$ | 1-100 | 0.9932 | 16.49 | 0.29 |
| 268 | 西草净 | $Y = 4938.12X - 10130.40$ | 1-100 | 0.9957 | 8.34 | 0.28 |
| 269 | 螺环菌胺 | $Y = 5261.15X + 7080.77$ | 1-100 | 0.9998 | 11.84 | 0.09 |
| 270 | 治螟磷 | $Y = 5011.24X + 3870.34$ | 1-100 | 0.9995 | 6.53 | 0.01 |
| 271 | 硫丙磷 | $Y = 3266.54X - 2880.37$ | 1-100 | 0.9991 | 8.55 | 0.04 |
| 272 | 灭草灵 | $Y = 3848.23X - 4412.89$ | 1-100 | 0.9973 | 5.79 | 0.17 |
| 273 | 苯噻氟 | $Y = 2586.11X + 1282.93$ | 1-100 | 0.9999 | 4.07 | 0.68 |
| 274 | 戊唑醇 | $Y = 4097.44X - 7050.34$ | 1-100 | 0.9979 | 6.07 | 0.02 |
| 275 | 吡螨胺 | $Y = 5079.95X - 4497.04$ | 1-100 | 0.9994 | 4.43 | 0.02 |
| 276 | 四氯硝基苯 | $Y = 2532.33X + 2642.11$ | 1-100 | 0.9992 | 5.88 | 0.09 |
| 277 | 七氟菊酯 | $Y = 13901.16X + 7565.63$ | 1-100 | 0.9997 | 5.14 | 0.01 |
| 278 | 特草定 | $Y = 3306.75X - 1467.16$ | 1-100 | 0.9993 | 5.41 | 0.23 |
| 279 | 特丁硫磷 | $Y = 1580.85X - 1150.19$ | 1-100 | 0.9994 | 2.57 | 0.09 |
| 280 | 特丁草净 | $Y = 6769.80X - 5377.48$ | 1-100 | 0.9997 | 5.32 | 0.48 |
| 281 | 杀虫畏 | $Y = 2930.81X - 8889.70$ | 1-100 | 0.9972 | 5.23 | 0.04 |
| 282 | 氟醚唑 | $Y = 1336.45X - 1638.56$ | 1-100 | 0.9992 | 2.13 | 0.22 |
| 283 | 四氯杀螨砒 | $Y = 2052.69X + 872.18$ | 1-100 | 0.9998 | 4.86 | 0.06 |

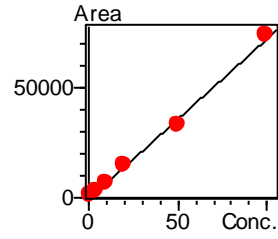
| No. | 中文名 | 线性方程 | 浓度范围 ($\mu\text{g/L}$) | R | RSD% (n=6) | 检出限 ($\mu\text{g/L}$) |
|-----|----------|----------------------------|-----------------------------|--------|---------------|----------------------------|
| 284 | 胺菊酯 | $Y = 9105.30X - 9897.86$ | 1-100 | 0.9947 | 4.63 | 0.20 |
| 285 | 噻吩草胺 | $Y = 3364.91X - 1963.78$ | 1-100 | 0.9996 | 5.49 | 0.02 |
| 286 | 噻苯达唑 | $Y = 5999.82X + 50844.18$ | 5-100 | 0.9997 | 4.01 | 0.05 |
| 287 | 噻呋酰胺 | $Y = 5249.61X - 499.66$ | 1-100 | 0.999 | 4.76 | 0.03 |
| 288 | 禾草丹 | $Y = 5767.32X + 4724.83$ | 1-100 | 0.9994 | 6.30 | 0.01 |
| 289 | 杀虫环 | $Y = 9189.23X + 20444.18$ | 1-100 | 0.9982 | 8.90 | 0.04 |
| 290 | 甲基乙拌磷 | $Y = 2706.76X + 1783.47$ | 1-100 | 0.9994 | 5.41 | 0.44 |
| 291 | 甲基立枯磷 | $Y = 3809.38X - 1620.46$ | 1-100 | 0.9995 | 3.10 | 0.34 |
| 292 | 甲苯氟磺胺 | $Y = 8921.05X - 13994.96$ | 1-100 | 0.9977 | 7.10 | 0.05 |
| 293 | 甲苯氟磺胺代谢物 | $Y = 3117.38X - 3760.31$ | 1-100 | 0.9985 | 4.76 | 0.10 |
| 294 | 三唑酮 | $Y = 3986.41X - 15033.56$ | 1-100 | 0.9967 | 8.04 | 0.14 |
| 295 | 三唑醇 | $Y = 1738.42X - 12248.47$ | 1-100 | 0.9999 | 9.39 | 0.25 |
| 296 | 野麦畏 | $Y = 2401.07X + 1000.06$ | 1-100 | 0.9995 | 1.31 | 0.03 |
| 297 | 三唑磷 | $Y = 996.08X - 4181.50$ | 1-100 | 0.9939 | 3.30 | 0.10 |
| 298 | 脱叶磷 | $Y = 1960.30X - 2531.23$ | 1-100 | 0.9993 | 9.99 | 0.07 |
| 299 | 水杨菌胺 | $Y = 8008.84X - 12049.53$ | 1-100 | 0.9979 | 7.96 | 0.24 |
| 300 | 三环唑 | $Y = 6193.77X + 14377.79$ | 1-100 | 0.9977 | 6.24 | 0.05 |
| 301 | 肟菌酯 | $Y = 2283.89X - 2937.41$ | 1-100 | 0.9988 | 6.32 | 0.06 |
| 302 | 氟乐灵 | $Y = 7073.73X - 4037.90$ | 1-100 | 0.9994 | 5.24 | 0.02 |
| 303 | 单克素 | $Y = 1348.96X - 9435.71$ | 1-100 | 0.9997 | 13.32 | 0.23 |
| 304 | 乙烯菌核利 | $Y = 2679.92X + 2186.48$ | 1-100 | 0.9914 | 5.69 | 0.29 |
| 305 | 灭除威 | $Y = 33331.63X + 43867.51$ | 1-100 | 0.9999 | 2.33 | 0.06 |
| 306 | 苯酰菌胺 | $Y = 4278.70X - 9900.26$ | 1-100 | 0.9957 | 6.15 | 0.24 |



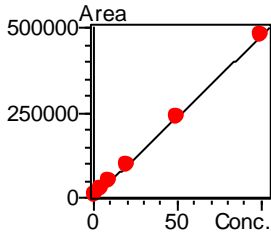
1. 啶虫脒



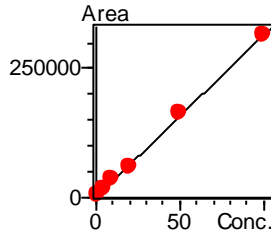
2. 乙草胺



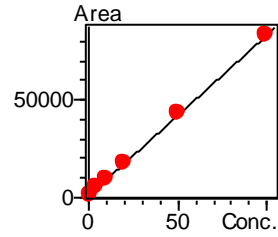
3. 氟丙菊酯



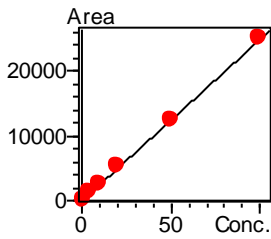
4. 甲草胺



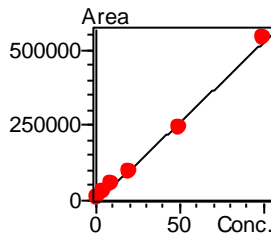
5. 丙烯菊酯



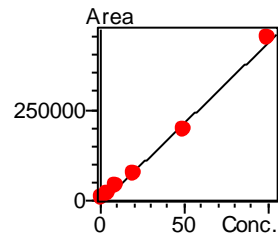
6. 草毒死



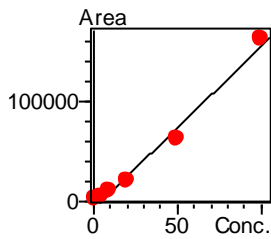
7. α -硫丹



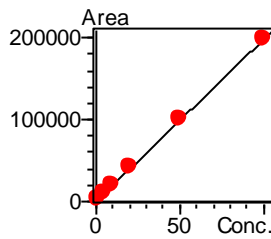
8. α -六六六



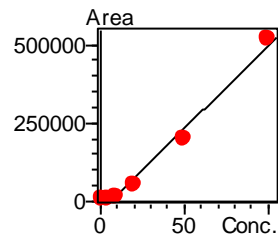
9. 莠灭净



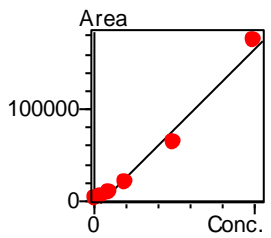
10. 莎砒磷



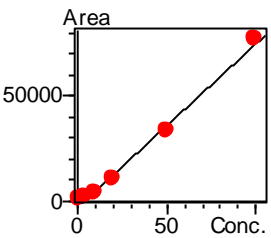
11. 莠去津



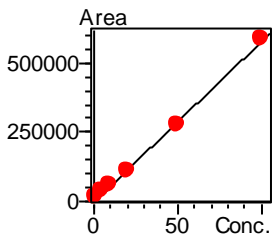
12. 氧环唑



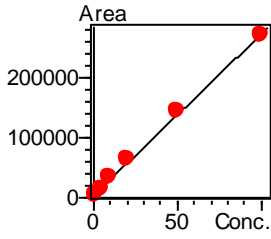
13. 谷硫磷



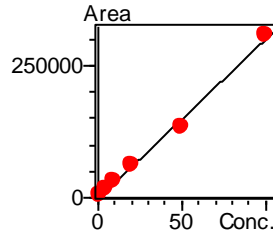
14. 啉菌酯



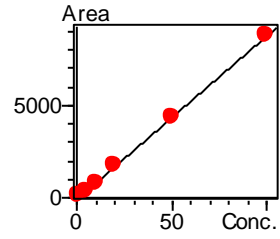
15. 苯霜灵



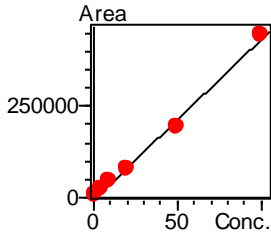
16. 氟落灵



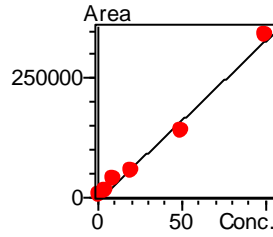
17. 解草酮



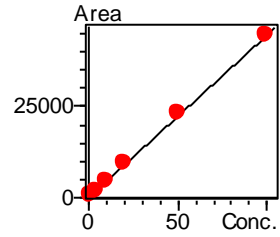
18. β-硫丹



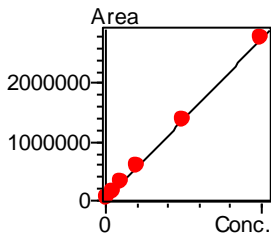
19. β-六六六



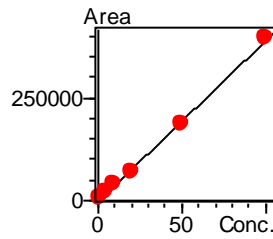
20. 联苯胼酯



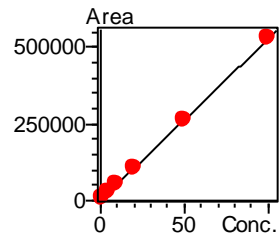
21. 甲羧除草醚



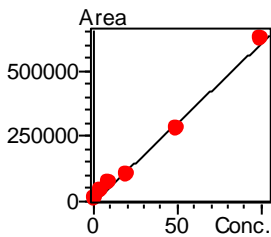
22. 氟氯菊酯



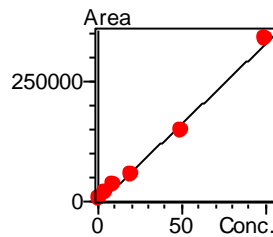
23. 生物苄呋菊酯



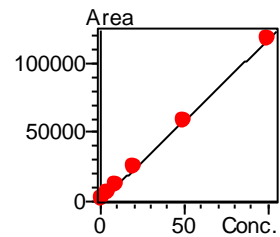
24. 联苯



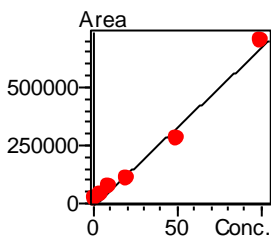
25. 双苯三唑醇



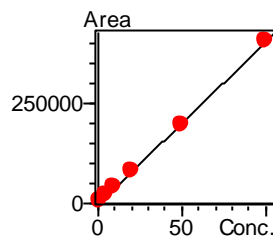
26. 除草定



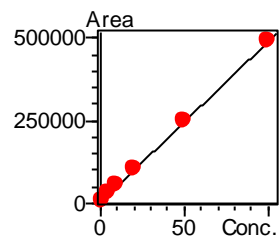
27. 溴丁酰草胺



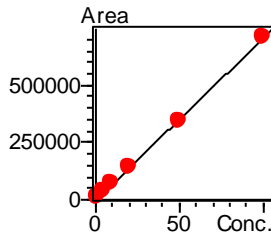
28. 溴克座



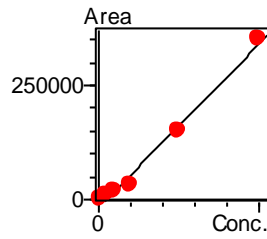
29. 甲基溴硫磷



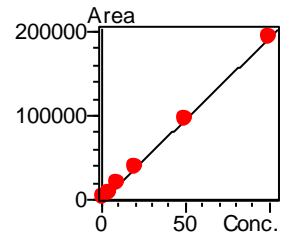
30. 乙基溴硫磷



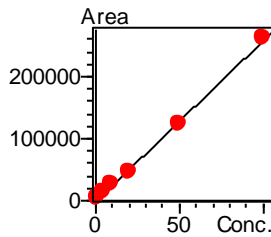
31. 溴螨酯



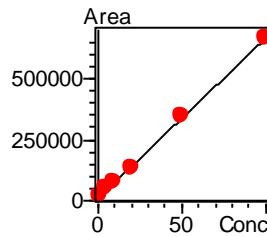
32. 磺嘧菌灵



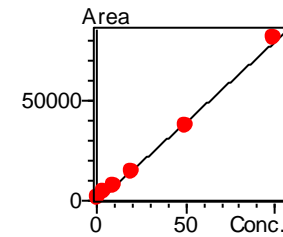
33. 噻嗪酮



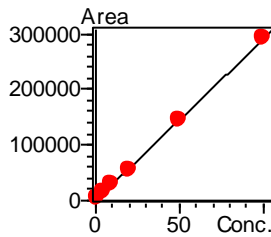
34. 丁草胺



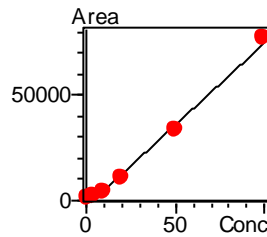
35. 氟丙嘧草酯



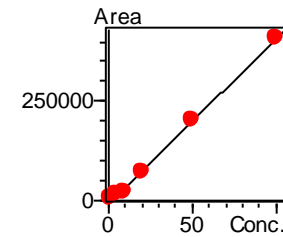
36. 抑草磷



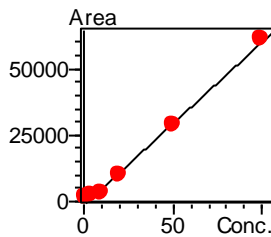
37. 克线丹



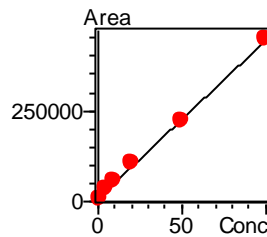
38. 苯酮唑



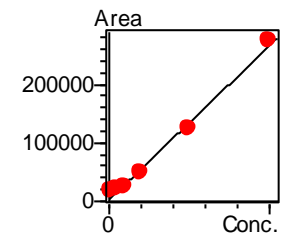
39. 敌菌丹



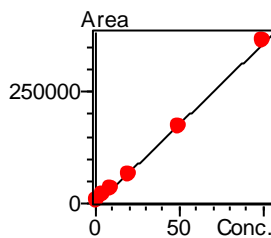
40. 克菌丹



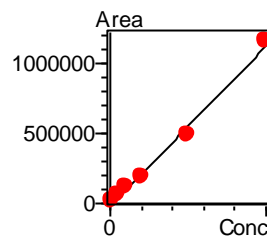
41. 克百威



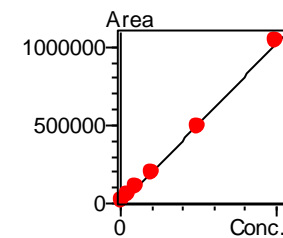
42. 萎锈灵



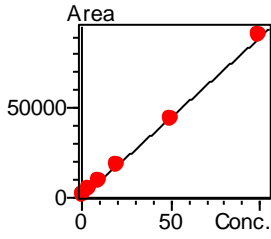
43. 氟酮唑草



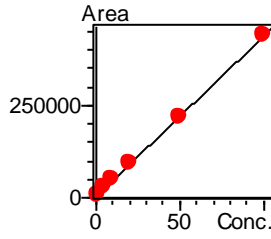
44. 灭螨猛



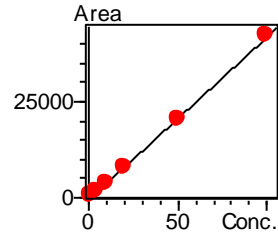
45. 氯杀螨



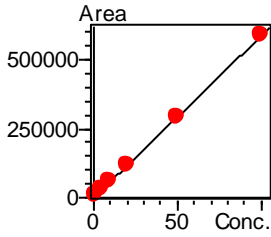
46. 氯炔灵



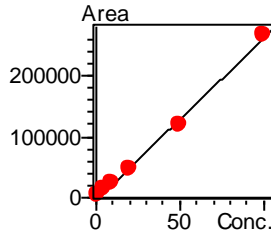
47. 氯氧磷



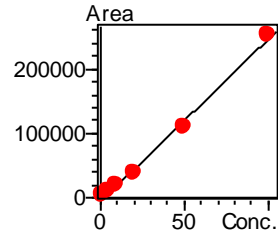
48. 虫螨腈



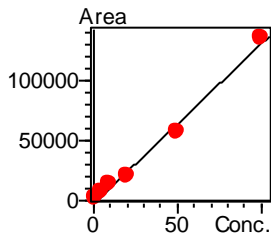
49. 杀螨酯



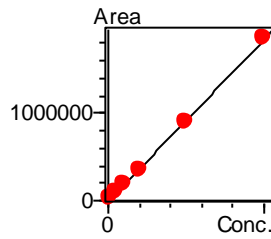
50. (E)-毒虫畏



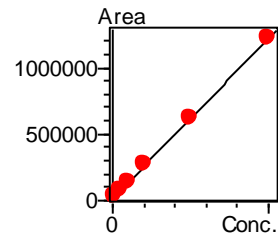
51. (Z)-毒虫畏



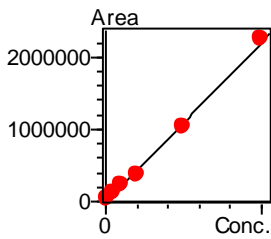
52. 草枯醚



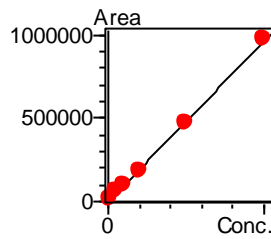
53. 乙酯杀螨醇



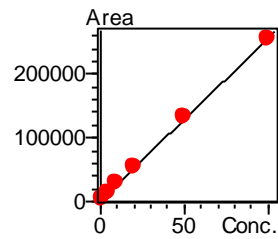
54. 地茂散



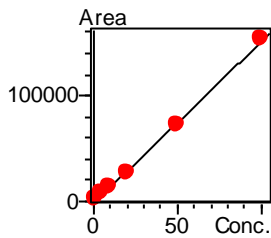
55. 丙酯杀螨醇



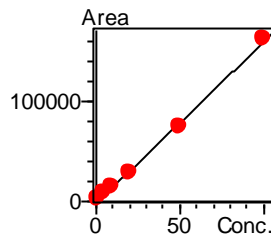
56. 异稻瘟净



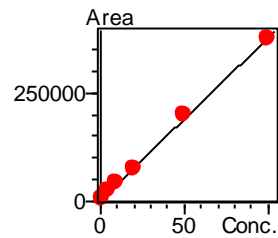
57. 氯苯胺灵



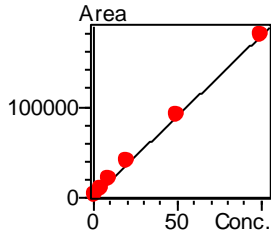
58. 毒死蜱



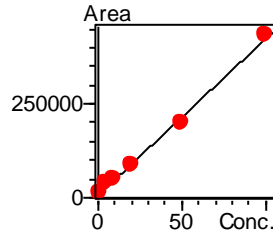
59. 甲基毒死蜱



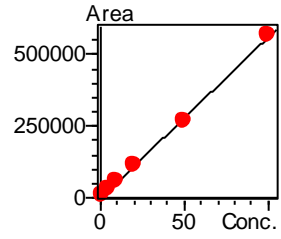
60. 氯酞酸二甲酯



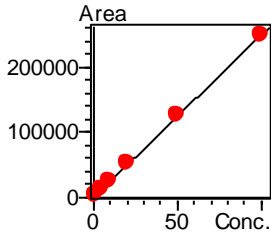
61. 乙菌利



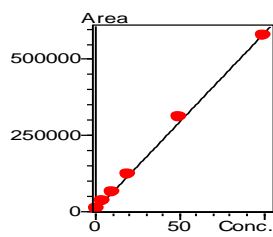
62. 吡啶酮草酯



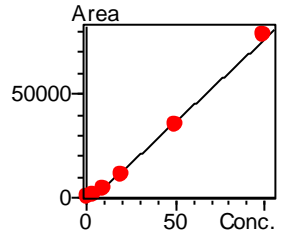
63. 广灭灵



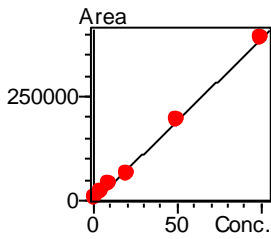
64. 氯甲酰草胺



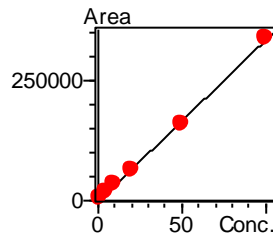
65. 蝇毒磷



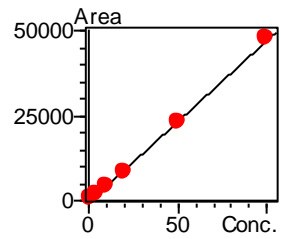
66. 氰草津



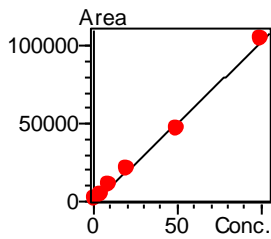
67. 苯腈磷



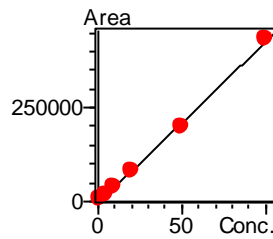
68. 杀螟腈



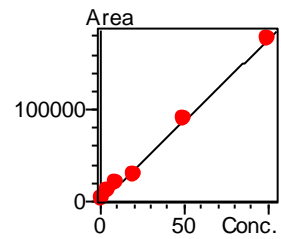
69. 环氟菌胺



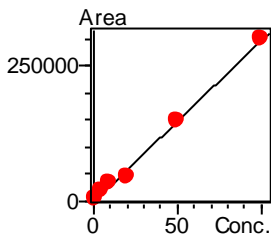
70. 氟氯氰菊酯



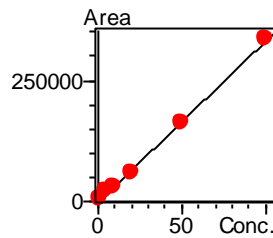
71. 氰氟草酯



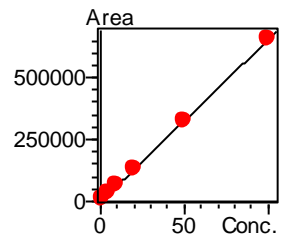
72. 氯氟氰菊酯



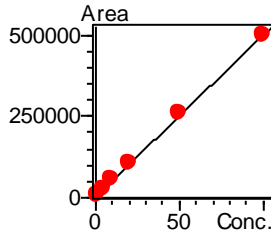
73. 氯氰菊酯



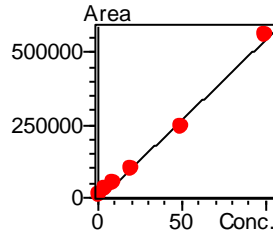
74. 环丙唑醇



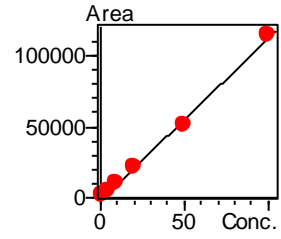
75. 啉菌环胺



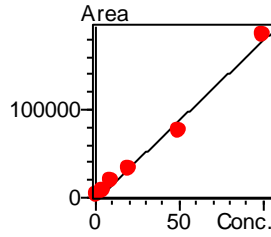
76. 二氯异丙醚



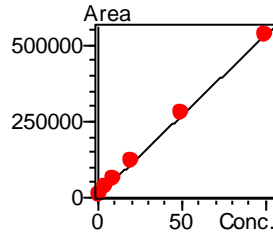
77. δ-六六六



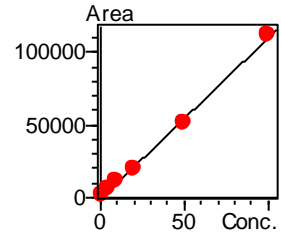
78. 溴氰菊酯



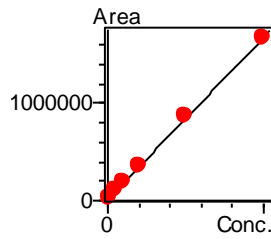
79. 甜菜安



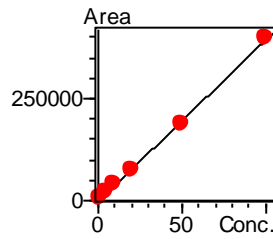
80. 燕麦敌



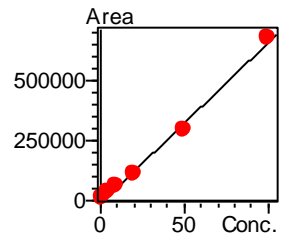
81. 二嗪磷



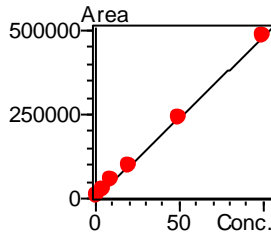
82. 敌草腈



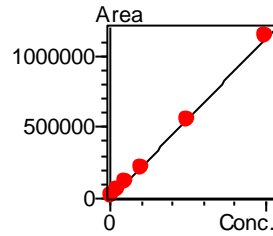
83. 除线磷



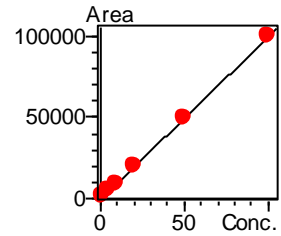
84. 苯氟磺胺



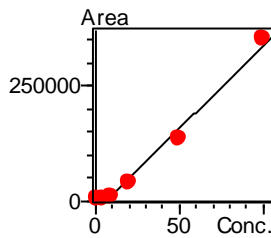
85. 苯氟磺胺代谢物



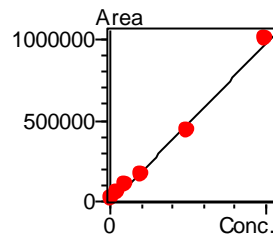
86. 乙滴涕



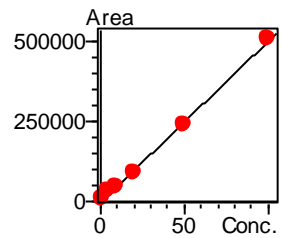
87. 敌敌畏



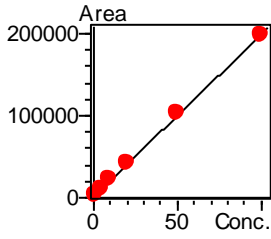
88. 苄氯三唑醇



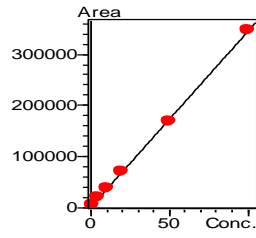
89. 苄氯三唑醇



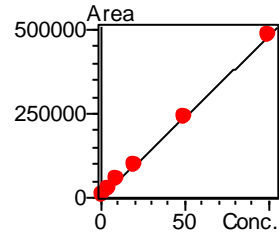
90. 禾草灵甲酯



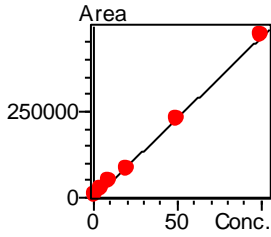
91. 氯硝胺



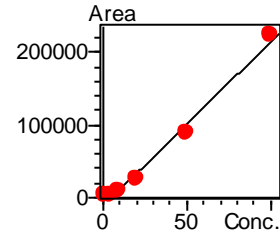
92. 三氯杀螨醇



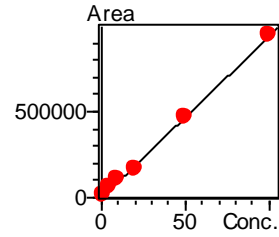
93. 百治磷



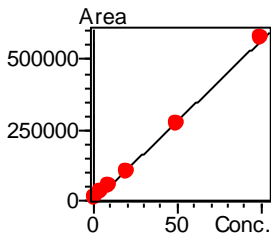
94. 乙霉威



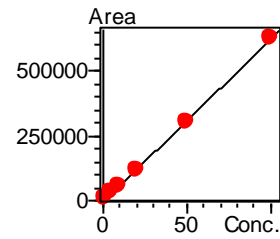
95. 恶醚唑



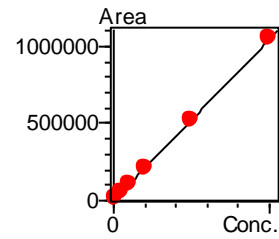
96. 吡氟酰草胺



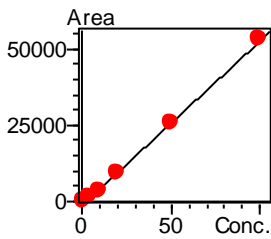
97. 哌草丹



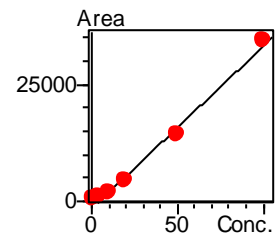
98. 异戊乙净



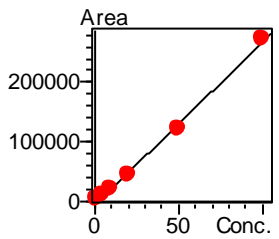
99. 二甲酚噻草胺



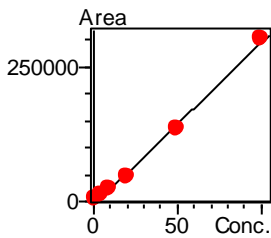
100. 噻节因



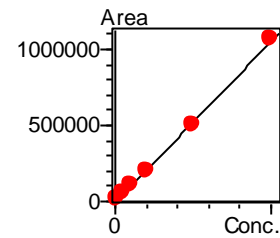
101. 乐果



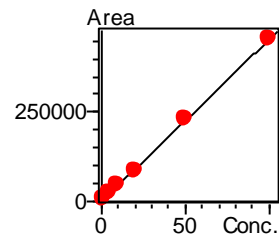
102. (E)-甲基毒虫畏



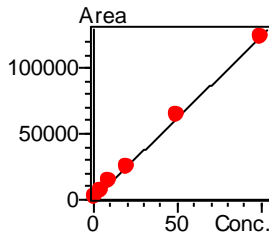
103. (Z)-甲基毒虫畏



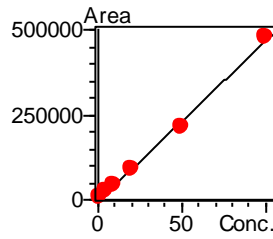
104. 草乃敌



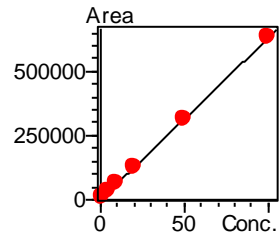
105. 二苯胺



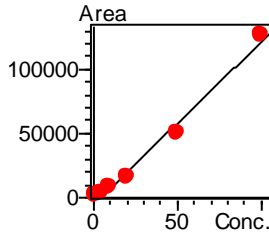
106. 乙拌磷



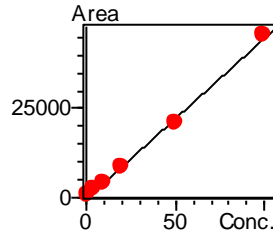
107. 乙拌磷砒



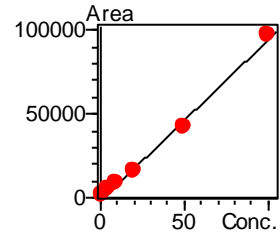
108. 氟硫草定



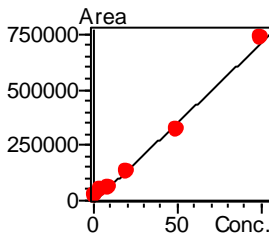
109. 敌瘟磷



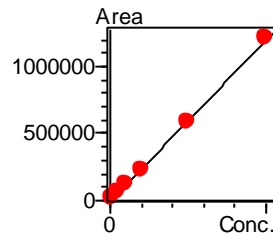
110. 硫丹硫酸酯



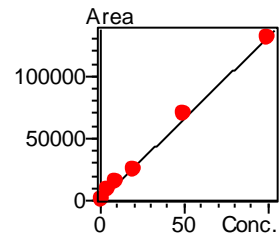
111. 苯硫磷



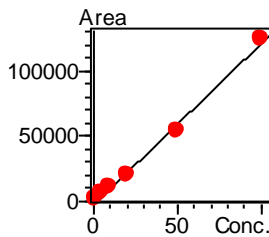
112. 氟环唑



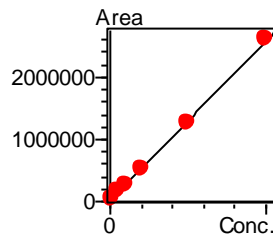
113. 禾草畏



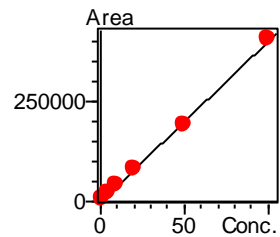
114. 丁氟消草



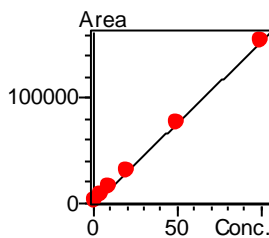
115. 乙硫磷



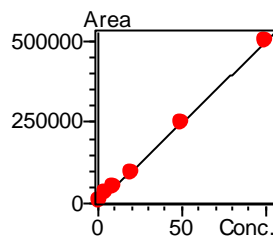
116. 醚菊唑



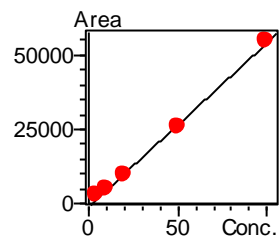
117. 乙炔草黄



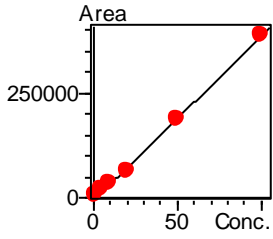
118. 灭线磷



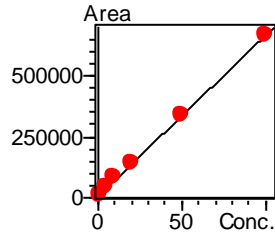
119. 乙氧苯草胺



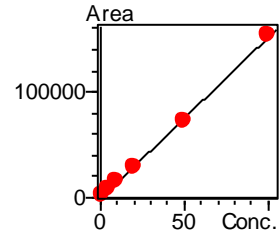
120. 乙螨唑



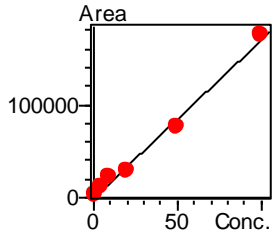
121. 乙螨唑代谢物



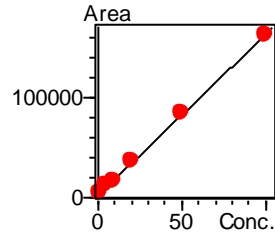
122. 土菌灵



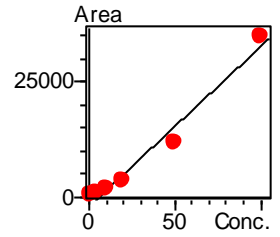
123. 乙嘧硫磷



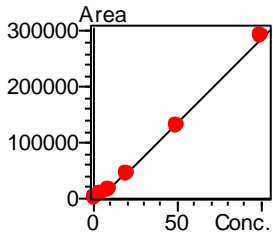
124. 恶唑菌酮



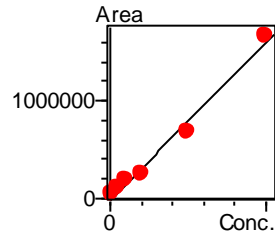
125. 咪唑菌酮



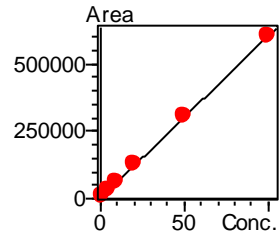
126. 苯线磷



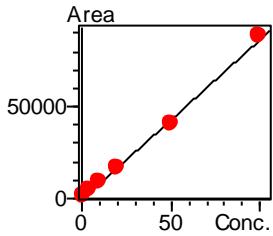
127. 氯苯嘧啶醇



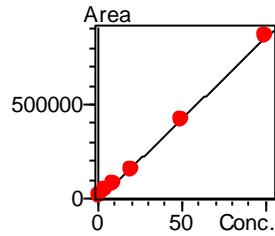
128. 腈苯唑



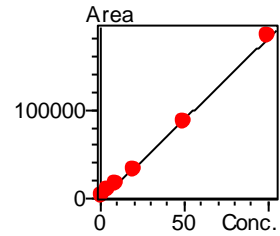
129. 皮蝇磷



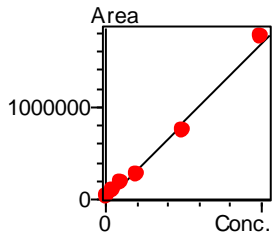
130. 杀螟硫磷



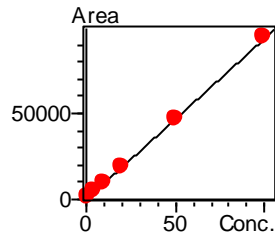
131. 苯硫威



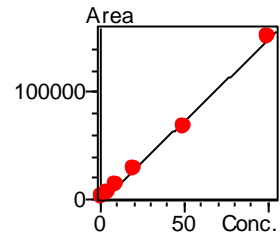
132. 稻瘟酰胺



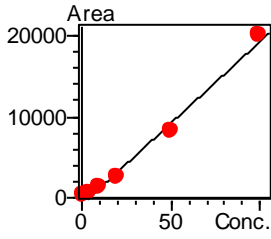
133. 恶唑禾草灵 (乙酯)



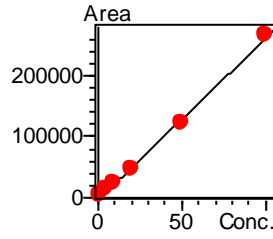
134. 苯氧威



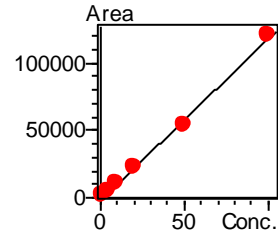
135. 甲氰菊酯



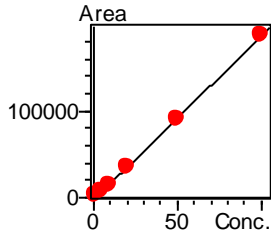
136. 丰索磷



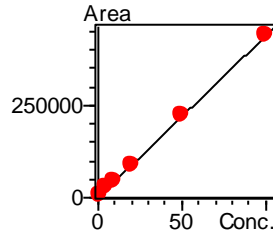
137. 倍硫磷



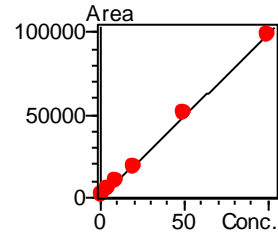
138. 氰戊菊酯



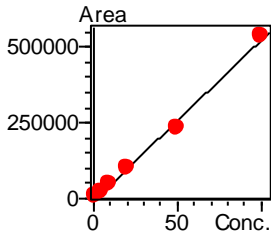
139. 氟虫腈



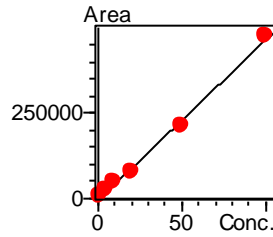
140. 麦草伏甲酯



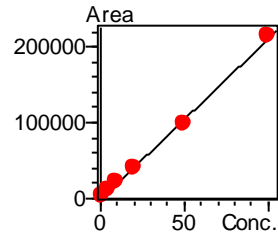
141. 啞螨酯



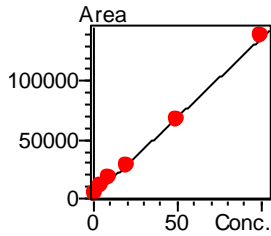
142. 氟氰戊菊酯



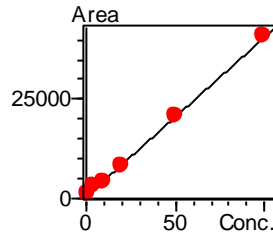
143. 咯菌腈



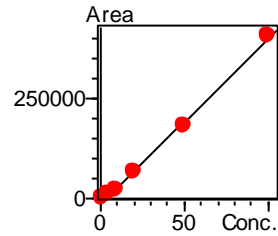
144. 氟吡啶草酯



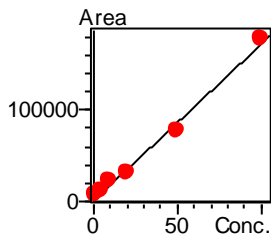
145. 氟烯草酸



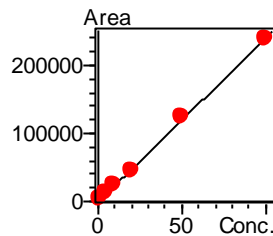
146. 丙炔氟草胺



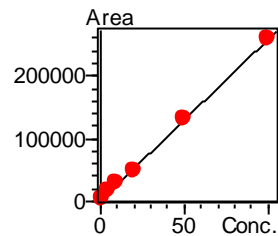
147. 氟啶唑



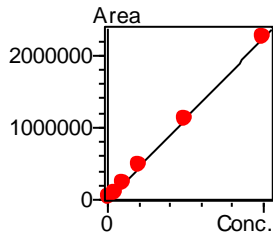
148. 氟啶草酮



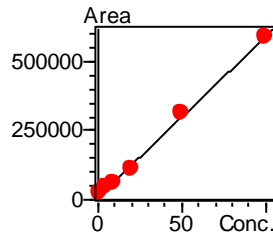
149. 氟硅唑



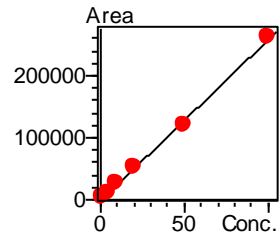
150. 氟硅唑代谢物



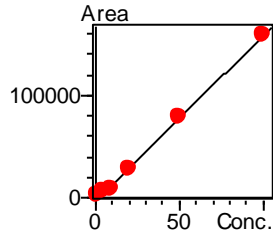
151. 纹枯胺



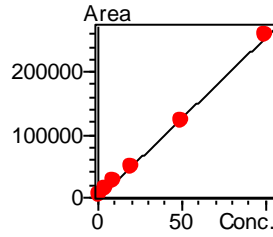
152. 粉唑醇



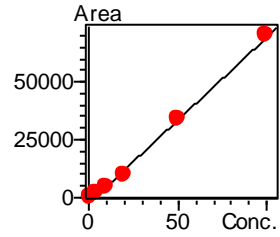
153. 氟氰胺菊酯



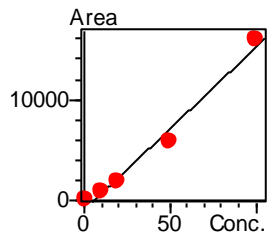
154. 灭菌丹



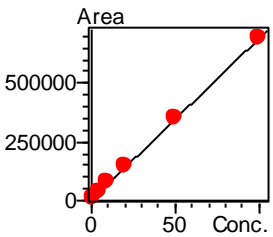
155. 地虫硫磷



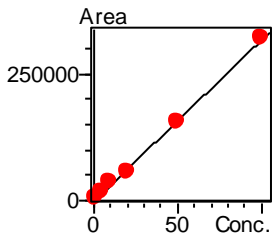
156. 安果磷



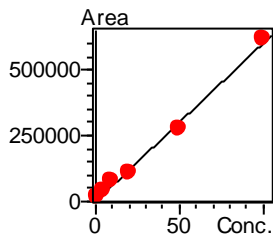
157. 噻唑磷



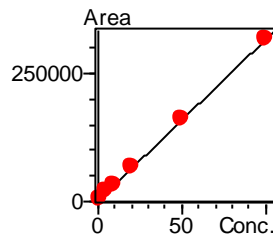
158. 四氯苯酞



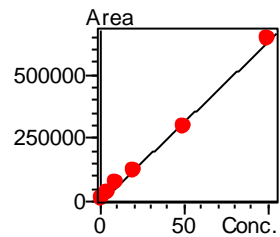
159. 呋吡菌胺



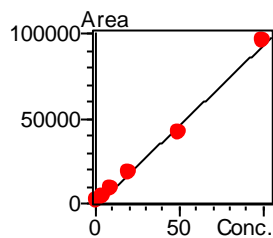
160. 呋吡菌胺代谢物



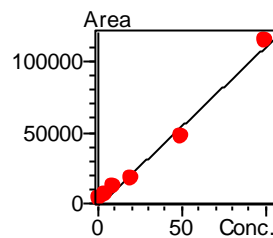
161. 解草恶唑



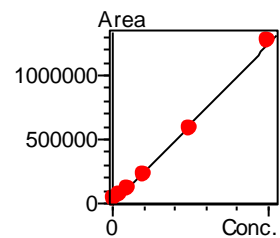
162. γ -六六六/林丹



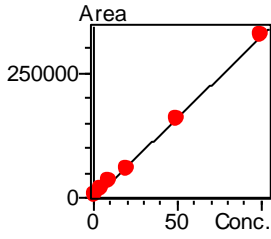
163. 苯螨醚



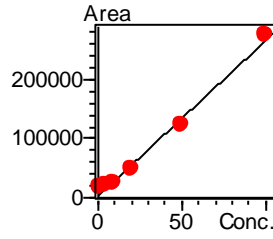
164. 己唑醇



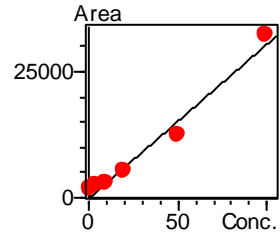
165. 环嗪酮



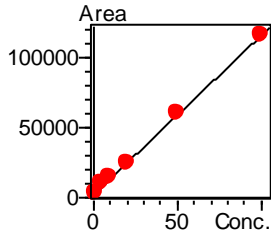
166. 甲基咪草酯



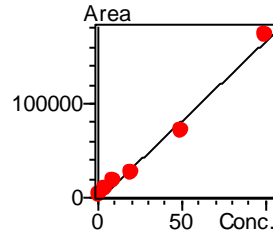
167. 酰胺唑-脱苯甲基



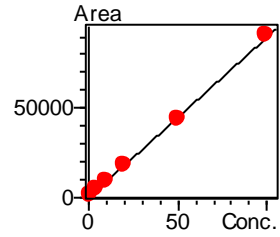
168. 酰胺唑



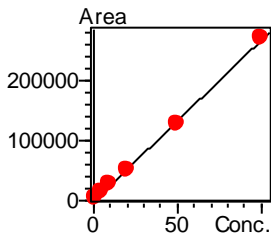
169. 啉虫威



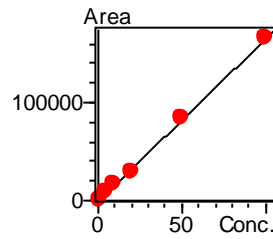
170. 异菌脲



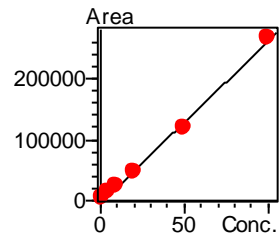
171. 异菌脲代谢物



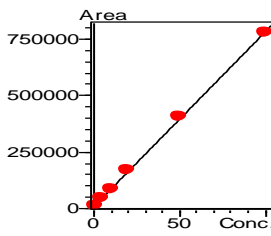
172. 氯唑磷



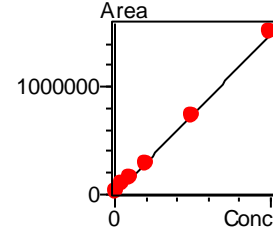
173. 水胺硫磷



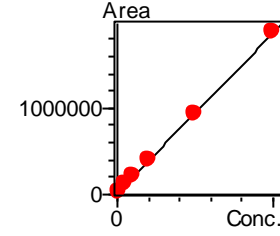
174. 异柳磷



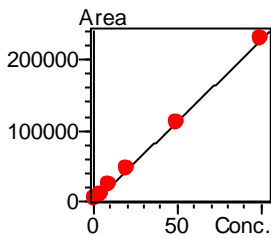
175. 甲基异柳磷



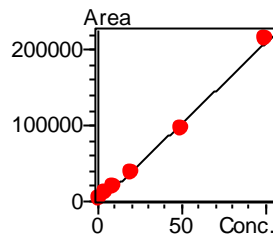
176. 牛津郡异柳磷



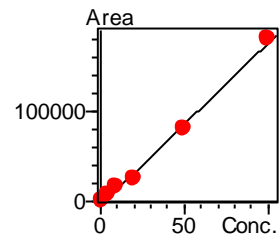
177. 异丙威



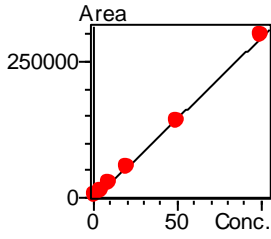
178. 稻瘟灵



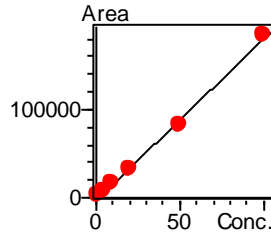
179. 双苯恶唑酸乙酯



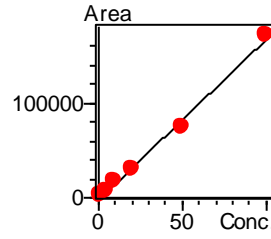
180. 恶唑磷



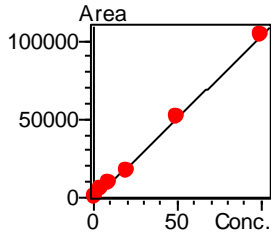
181. 苯氧菊酯



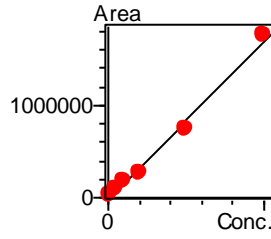
182. 马拉硫磷



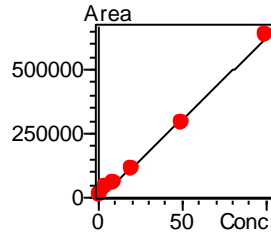
183. 2-甲-4-氯硫代乙酯



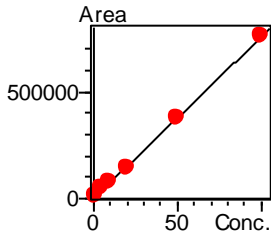
184. 灭蚜磷



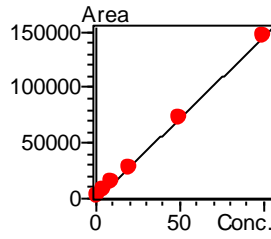
185. 苯噻草胺



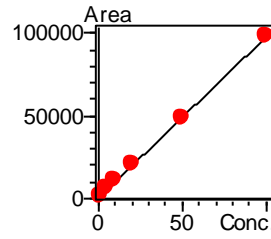
186. 吡唑解草酯



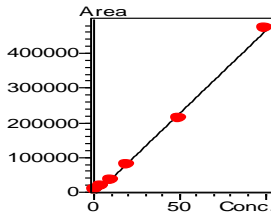
187. 灭锈胺



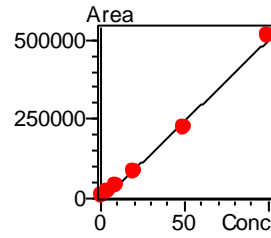
188. 甲霜灵



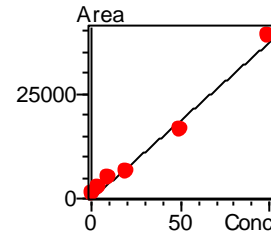
189. 虫螨畏



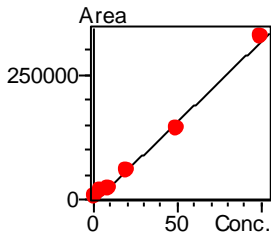
190. 甲胺磷



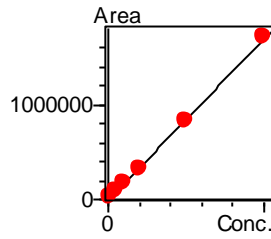
191. 杀扑磷



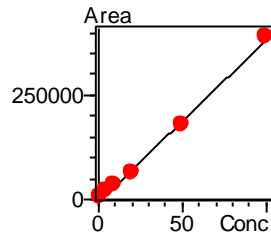
192. 烯虫酯



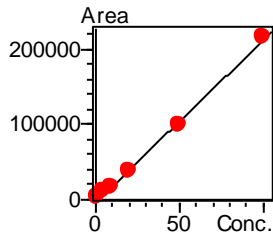
193. 甲氧滴滴涕



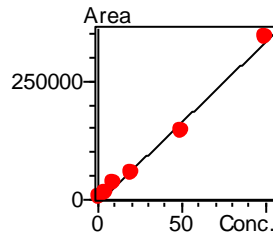
194. 异丙甲草胺



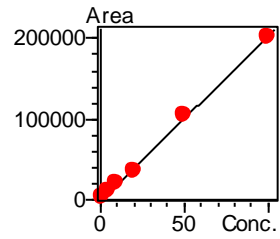
195. (E)-苯氧菌胺



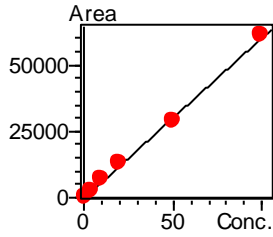
196. (Z)-苯氧菌胺



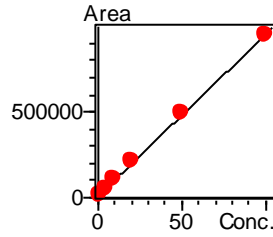
197. 嘧草酮



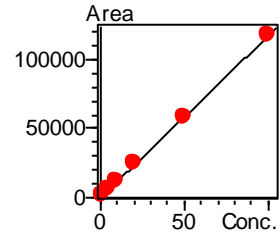
198. 内吸磷-S-甲基



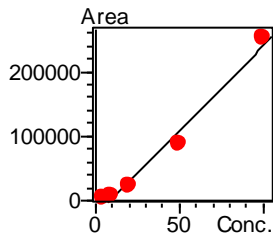
199. 速灭磷



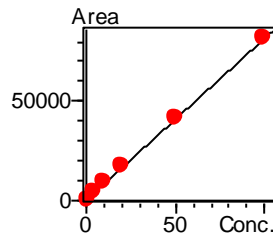
200. 禾草敌



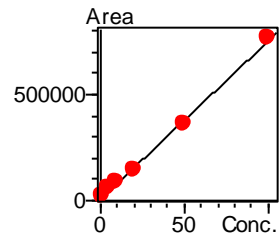
201. 久效磷



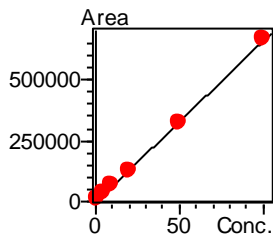
202. 腈菌唑



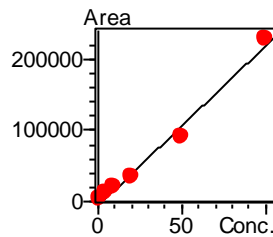
203. 二溴磷



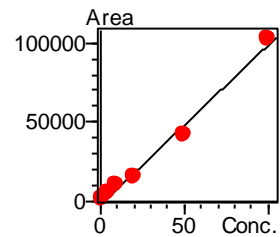
204. 1-萘酰胺



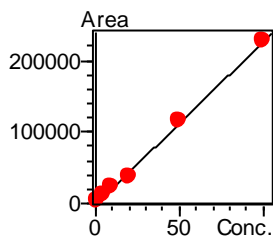
205. 敌草胺



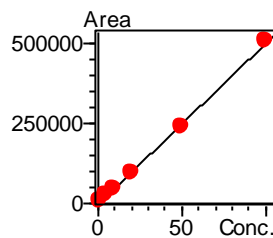
206. 甲磺乐灵



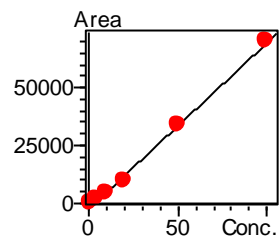
207. 除草醚



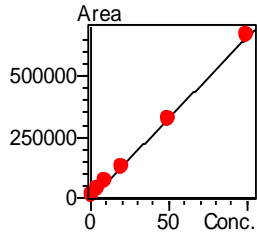
208. 酞菌酯



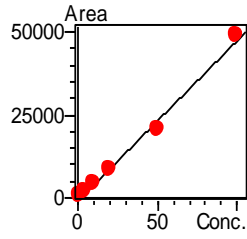
209. 氟草敏



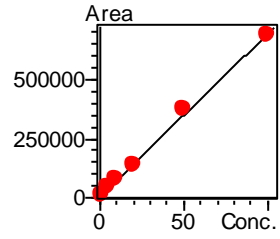
210. 氧化乐果



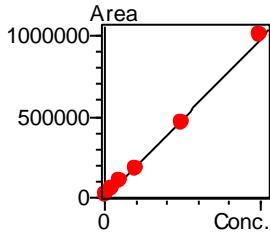
211. o,p'-DDT



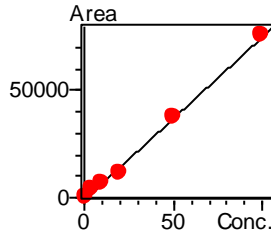
212. 解草腈



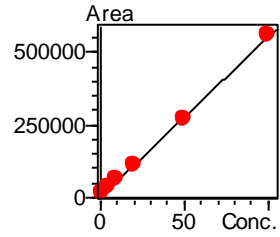
213. 恶草酮



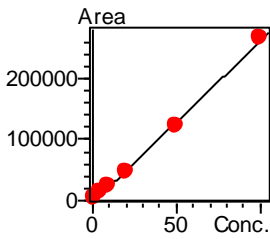
214. 恶霜灵



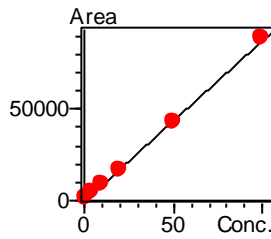
215. 乙氧氟草醚



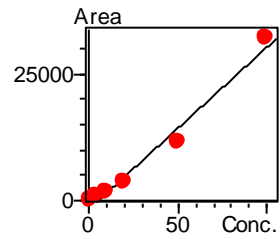
216. 多效唑



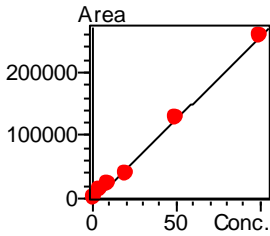
217. 对硫磷



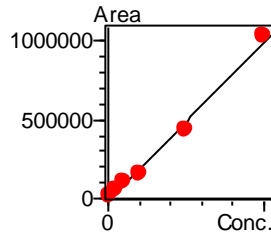
218. 甲基对硫磷



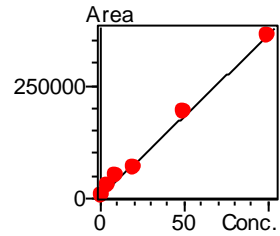
219. 戊菌唑



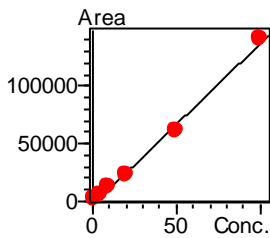
220. 二甲戊乐灵



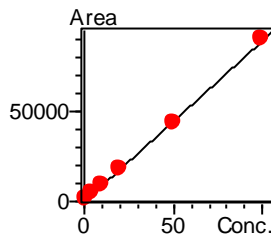
221. 恶嗪酮



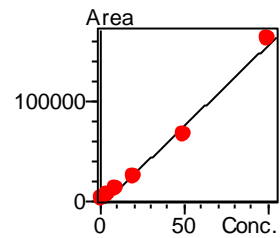
222. 氯菊酯



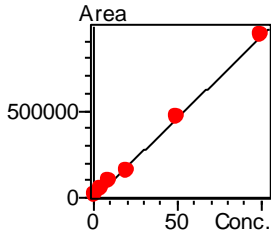
223. 稻丰散



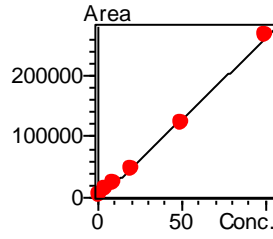
224. 甲拌磷



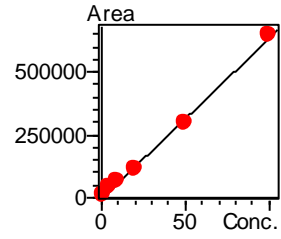
225. 伏杀磷



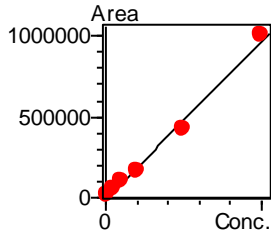
226. 亚胺硫磷



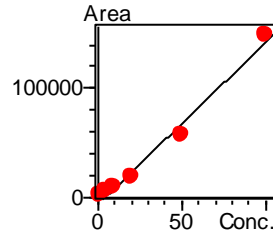
227. 磷胺



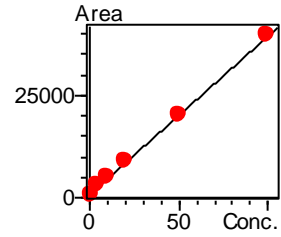
228. 氟吡草胺



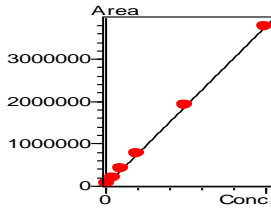
229. 增效醚



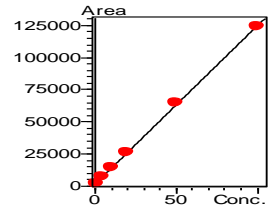
230. 哌草磷



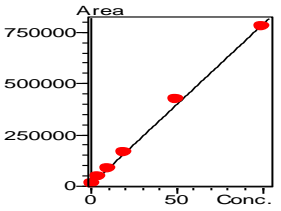
231. 甲基嘧啶磷



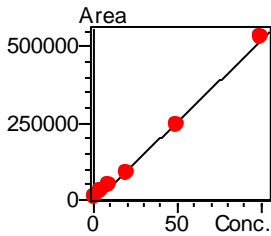
232. p,p'-DDD



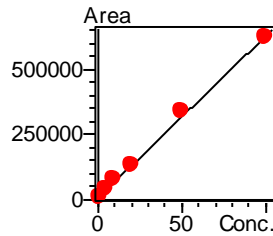
233. p,p'-DDE



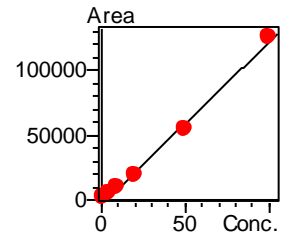
234. p,p'-DDT



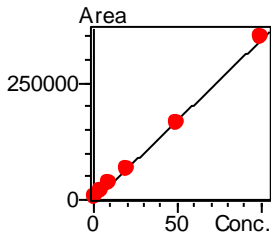
235. 丙草胺



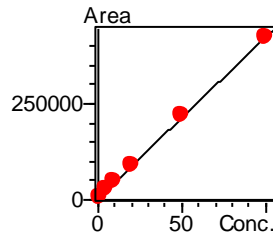
236. 腐霉利



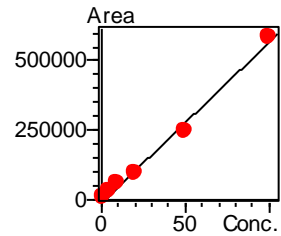
237. 丙溴磷



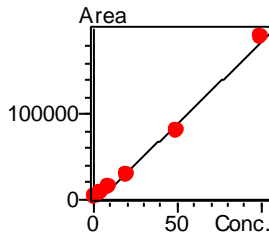
238. 扑草净



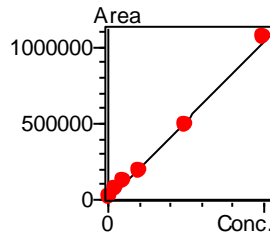
239. 毒草安



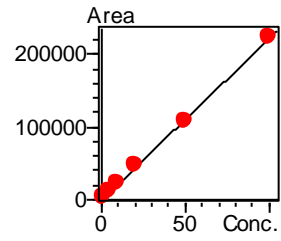
240. 敌稗



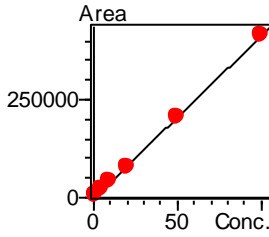
241. 丙虫磷



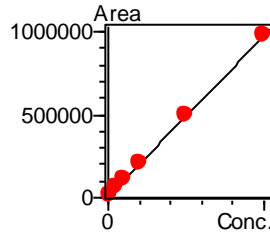
242. 克螨特



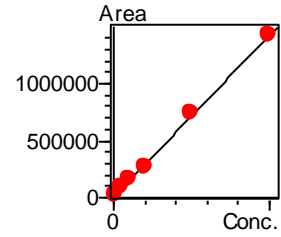
243. 扑灭津



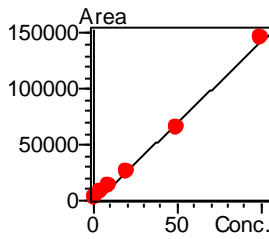
244. 丙环唑



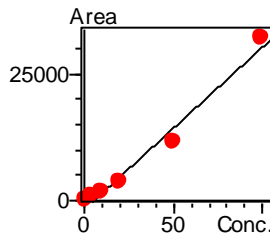
245. 残杀威



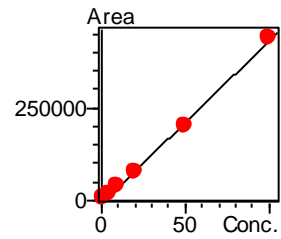
246. 戊炔草胺



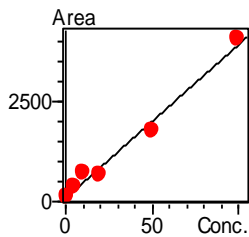
247. 丙硫磷



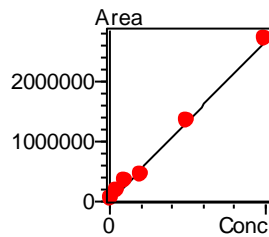
248. 吡唑硫磷



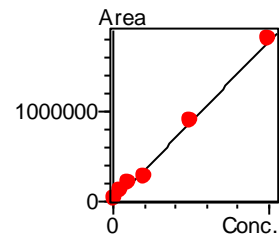
249. 吡啶磷



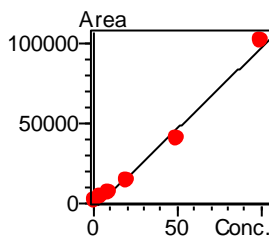
250. 苯草啞



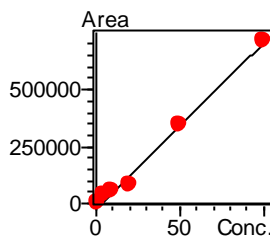
251. 稗草丹



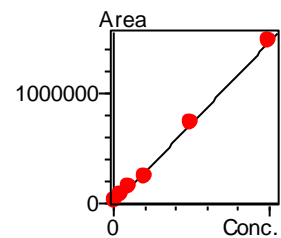
252. 啞螨灵



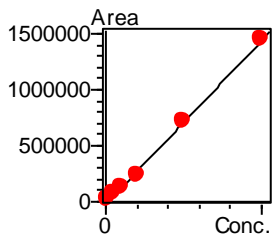
253. 啞嗪硫磷



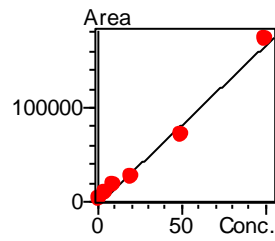
254. 啞螨醚



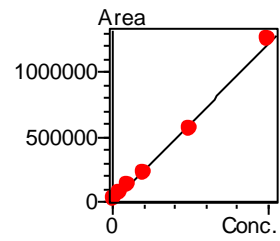
255. (E)-啞草醚



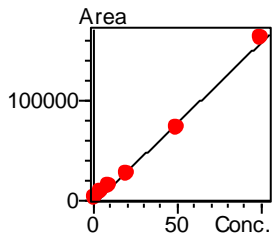
256. (Z)-嘧草醚



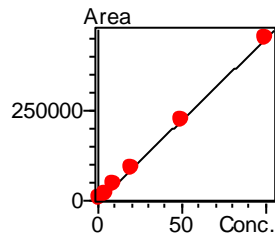
257. 蚊蝇醚



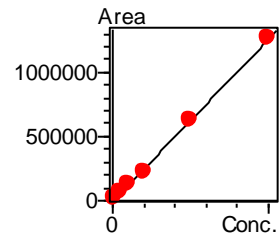
258. 百快隆



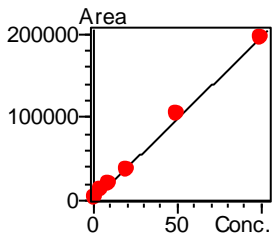
259. 啶硫磷



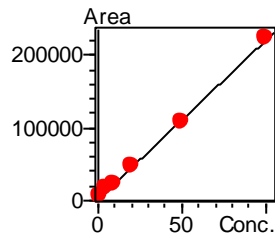
260. 灭藻醌



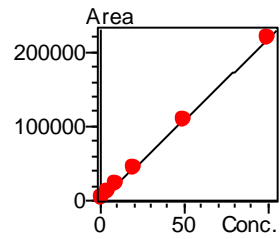
261. 啶氧灵



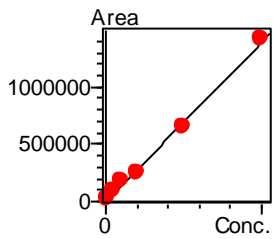
262. 五氯硝基苯



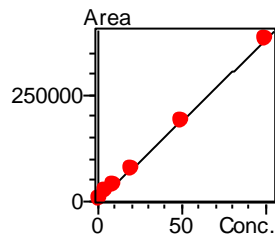
263. 苄呋菊酯



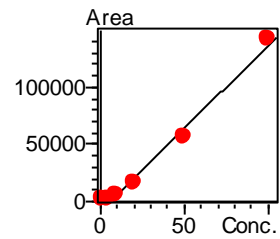
264. 蔬果磷



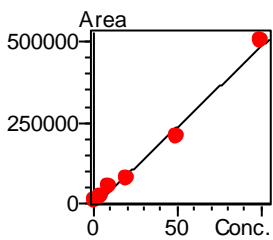
265. 硅醚菊酯



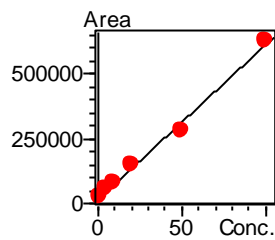
266. 西玛津



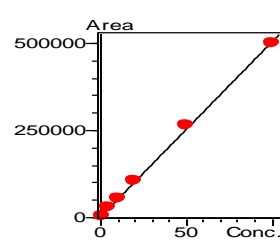
267. 硅氟啞



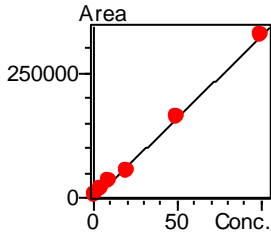
268. 西草净



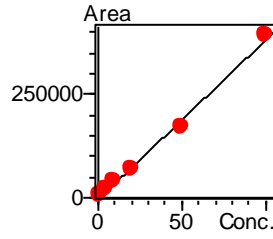
269. 螺环菌胺



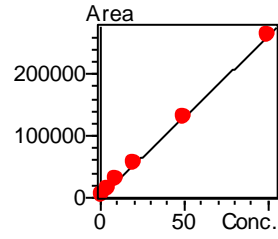
270. 治螟磷



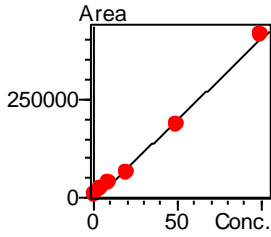
271. 硫丙磷



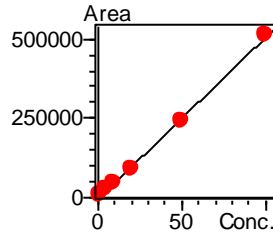
272. 灭草灵



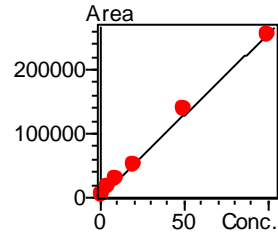
273. 苯噻氰



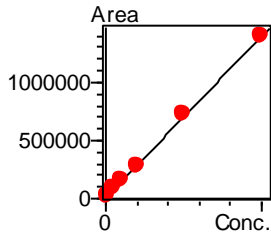
274. 戊唑醇



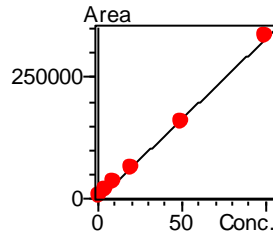
275. 吡螨胺



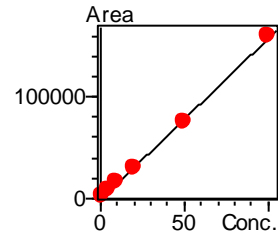
276. 四氯硝基苯



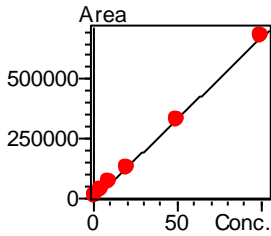
277. 七氟菊酯



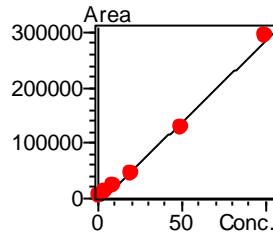
278. 特草定



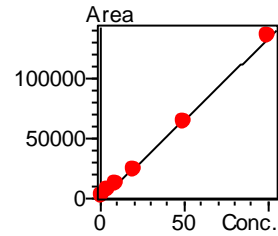
279. 特丁硫磷



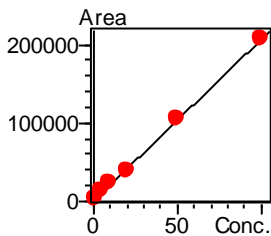
280. 特丁草净



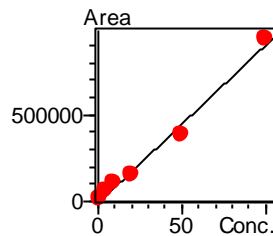
281. 杀虫畏



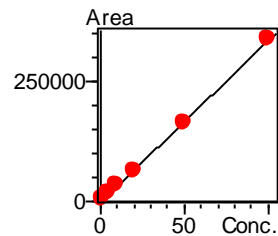
282. 氟醚唑



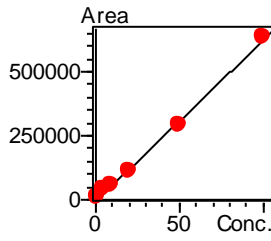
283. 四氯杀螨砒



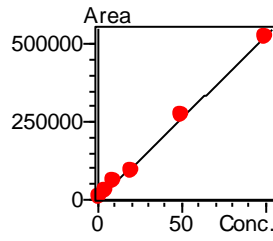
284. 胺菊酯



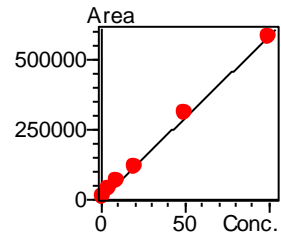
285. 噻吩草胺



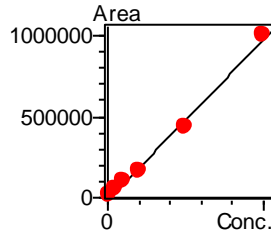
286. 噻苯达唑



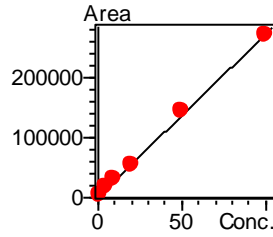
287. 噻呋酰胺



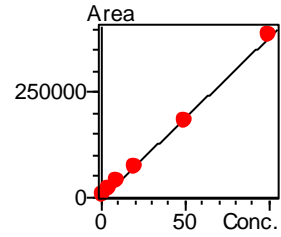
288. 禾草丹



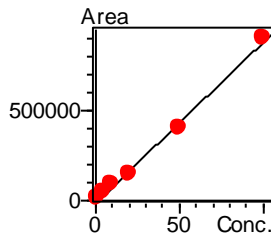
289. 杀虫环



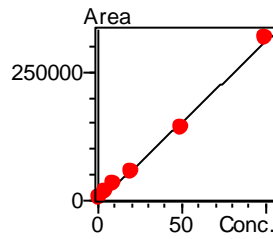
290. 甲基乙拌磷



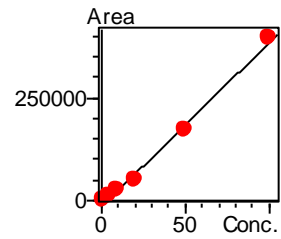
291. 甲基立枯磷



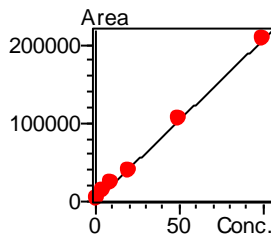
292. 甲苯氟磺胺



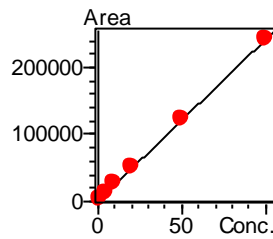
293. 甲苯氟磺胺代谢物



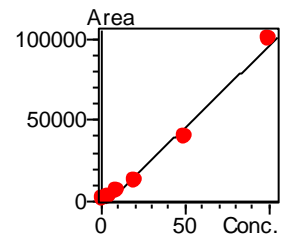
294. 三唑酮



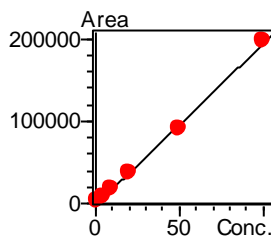
295. 三唑醇



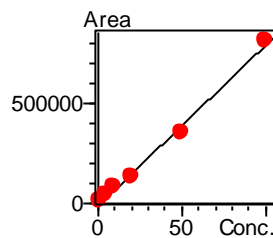
296. 野麦畏



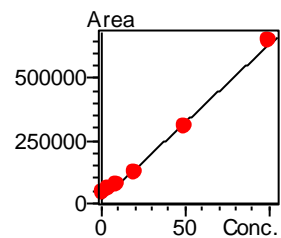
297. 三唑磷



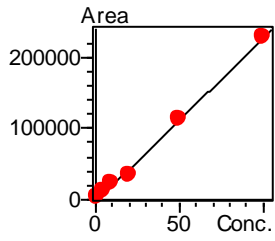
298. 脱叶磷



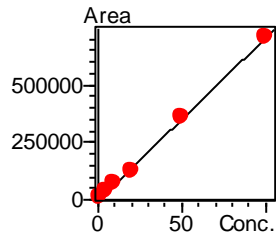
299. 水杨菌胺



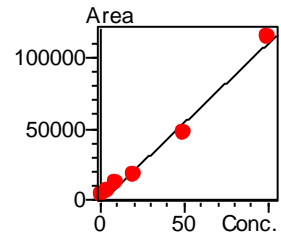
300. 三环唑



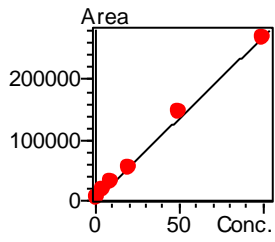
301. 肟菌酯



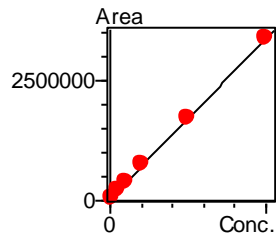
302. 氟乐灵



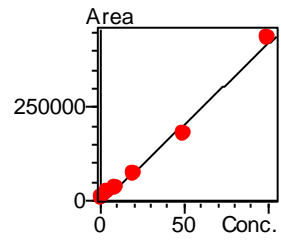
303. 单克素



304. 乙烯菌核利



305. 灭除威



306. 苯酰菌胺

7. 回收率

| 序号 | 化合物 | 加标浓度 1 µg/kg | | | 加标浓度 5 µg/kg | | |
|----|--------|--------------|--------|--------|--------------|--------|--------|
| | | 苹果 | 黄瓜 | 西红柿 | 苹果 | 黄瓜 | 西红柿 |
| 1 | 啉虫脒 | 73.16 | 116.97 | 64.18 | 77.99 | 92.86 | 75.18 |
| 2 | 乙草胺 | 88.10 | 94.09 | 91.40 | 94.51 | 97.04 | 98.05 |
| 3 | 氟丙菊酯 | 101.77 | 100.04 | 51.37 | 87.22 | 106.64 | 46.53 |
| 4 | 甲草胺 | 96.41 | 100.66 | 85.91 | 94.87 | 102.45 | 91.79 |
| 5 | 丙烯菊酯 | 105.96 | 111.84 | 92.19 | 85.18 | 110.07 | 112.87 |
| 6 | 草毒死 | 102.49 | 69.89 | 90.80 | 95.712 | 79.25 | 101.90 |
| 7 | α-硫丹 | 94.12 | 106.68 | 84.53 | 103.53 | 116.43 | 103.79 |
| 8 | α-六六六 | 78.69 | 83.95 | 82.89 | 90.554 | 93.47 | 90.52 |
| 9 | 莠灭净 | 98.95 | 99.49 | 103.25 | 94.566 | 91.16 | 98.15 |
| 10 | 莎秕磷 | 107.06 | 108.72 | 78.79 | 94.76 | 109.97 | 61.43 |
| 11 | 莠去津 | 103.59 | 77.11 | 86.20 | 95.22 | 100.59 | 90.16 |
| 12 | 氧环唑 | 101.02 | 95.09 | 85.09 | 98.10 | 108.81 | 100.84 |
| 13 | 谷硫磷 | 107.71 | 124.03 | 87.92 | 100.41 | 124.92 | 80.13 |
| 14 | 噻菌酯 | 110.11 | 113.16 | 89.89 | 103.03 | 117.19 | 101.78 |
| 15 | 苯霜灵 | 92.45 | 114.75 | 111.17 | 108.39 | 91.85 | 86.02 |
| 16 | 氟落灵 | 101.67 | 77.87 | 70.86 | 101.86 | 107.37 | 79.37 |
| 17 | 解草酮 | 98.62 | 94.10 | 99.88 | 97.41 | 101.07 | 105.43 |
| 18 | β-硫丹 | 111.19 | 103.11 | 79.99 | 98.89 | 108.96 | 90.46 |
| 19 | β-六六六 | 80.33 | 94.81 | 87.74 | 95.17 | 97.92 | 93.492 |
| 20 | 联苯肼酯 | 90.75 | 113.54 | 62.46 | 79.70 | 100.79 | 73.148 |
| 21 | 甲羧除草醚 | 129.95 | 125.29 | 72.05 | 125.90 | 129.61 | 78.49 |
| 22 | 氟氯菊酯 | 92.31 | 89.74 | 80.42 | 95.73 | 99.58 | 89.87 |
| 23 | 生物吡啶菊酯 | 75.56 | 70.72 | 49.68 | 73.76 | 82.01 | 82.87 |
| 24 | 联苯 | 105.25 | 112.02 | 75.91 | 98.82 | 103.37 | 96.23 |
| 25 | 双苯三唑醇 | 97.88 | 86.56 | 94.19 | 105.81 | 110.33 | 98.97 |
| 26 | 除草定 | 113.54 | 112.92 | 100.4 | 114.12 | 104.70 | 95.38 |
| 27 | 溴丁酰草胺 | 97.28 | 92.85 | 83.77 | 97.85 | 102.03 | 91.29 |
| 28 | 溴克座 | 92.99 | 87.76 | 93.30 | 107.58 | 104.34 | 97.19 |
| 29 | 甲基溴硫磷 | 97.36 | 92.56 | 76.11 | 97.03 | 103.60 | 80.43 |
| 30 | 乙基溴硫磷 | 77.40 | 84.77 | 84.69 | 87.09 | 93.06 | 99.51 |
| 31 | 溴螨酯 | 104.45 | 93.94 | 83.25 | 98.85 | 107.39 | 93.23 |
| 32 | 磺噻菌灵 | 93.14 | 89.01 | 91.5 | 97.34 | 105.80 | 92.72 |
| 33 | 噻嗪酮 | 86.12 | 90.45 | 87.53 | 88.69 | 96.13 | 94.24 |
| 34 | 丁草胺 | 89.50 | 99.15 | 102.08 | 95.06 | 94.31 | 100.80 |
| 35 | 氟丙嘧草酯 | 92.64 | 103.41 | 90.41 | 98.43 | 103.57 | 100.53 |
| 36 | 抑草磷 | 116.26 | 104.32 | 81.76 | 101.59 | 118.34 | 81.92 |
| 37 | 克线丹 | 110.07 | 88.73 | 86.08 | 95.21 | 100.66 | 87.25 |

| 序号 | 化合物 | 加标浓度 1 µg/kg | | | 加标浓度 5 µg/kg | | |
|----|---------|--------------|--------|--------|--------------|--------|---------|
| | | 苹果 | 黄瓜 | 西红柿 | 苹果 | 黄瓜 | 西红柿 |
| 38 | 苯酮唑 | 105.90 | 98.13 | 80.36 | 107.48 | 117.25 | 93.74 |
| 39 | 敌菌丹 | 70.98 | 65.82 | 61.08 | 117.38 | 70.7 | 71.792 |
| 40 | 克菌丹 | 66.47 | 60.25 | 148.47 | 119.23 | 81.58 | 92.54 |
| 41 | 克百威 | 99.6 | 107.51 | 81.78 | 93.58 | 102.68 | 88.41 |
| 42 | 萎锈灵 | 77.08 | 69.85 | 78.28 | 70.26 | 77.68 | 91.54 |
| 43 | 氟酮唑草 | 89.43 | 99.61 | 86.48 | 96.16 | 97.31 | 101.72 |
| 44 | 灭螨猛 | 56.89 | 61.62 | 41.96 | 62.46 | 60.24 | 40.50 |
| 45 | 氯杀螨 | 83.26 | 81.96 | 87.99 | 88.72 | 89.46 | 99.03 |
| 46 | 氯炔灵 | 97.05 | 92.62 | 92.28 | 96.58 | 100.57 | 107.28 |
| 47 | 氯氧磷 | 77.63 | 70.61 | 72.82 | 82.69 | 85.31 | 89.04 |
| 48 | 虫螨腈 | 106.11 | 97.15 | 115.53 | 97.36 | 104.88 | 107.70 |
| 49 | 杀螨酯 | 97.42 | 95.22 | 83.34 | 102.4 | 111.51 | 100.17 |
| 50 | (E)-毒虫畏 | 95.92 | 90.17 | 87.48 | 96.16 | 107.51 | 90.42 |
| 51 | (Z)-毒虫畏 | 96.12 | 88.9 | 86.78 | 96.63 | 107.78 | 91.15 |
| 52 | 草枯醚 | 94.11 | 109.66 | 98.51 | 108.74 | 117.62 | 96.15 |
| 53 | 乙酯杀螨醇 | 79.88 | 87.77 | 82.11 | 84.02 | 98.15 | 100.83 |
| 54 | 地茂散 | 85.17 | 106.44 | 86.86 | 93.28 | 91.85 | 96.54 |
| 55 | 丙酯杀螨醇 | 74.95 | 88.71 | 83.99 | 89.83 | 97.52 | 92.14 |
| 56 | 异稻瘟净 | 85.32 | 89.13 | 84.30 | 87.64 | 88.78 | 87.86 |
| 57 | 氯苯胺灵 | 94.17 | 94.07 | 85.92 | 94.03 | 101.81 | 93.32 |
| 58 | 毒死蜱 | 109.21 | 80.46 | 88.42 | 102.53 | 109.86 | 93.27 |
| 59 | 甲基毒死蜱 | 96.87 | 83.22 | 81.34 | 91.66 | 100.99 | 82.26 |
| 60 | 氯酞酸二甲酯 | 92.07 | 90.4 | 85.37 | 96.66 | 106.34 | 95.89 |
| 61 | 乙菌利 | 68.46 | 82.87 | 78.27 | 75.57 | 82.88 | 90.21 |
| 62 | 吡啶酮草酯 | 79.17 | 85.09 | 89.46 | 94.314 | 95.606 | 102.238 |
| 63 | 广灭灵 | 84.11 | 85.33 | 92.19 | 87.79 | 90.79 | 98.16 |
| 64 | 氯甲酰草胺 | 105.72 | 75.36 | 84.06 | 99.94 | 61.28 | 100.78 |
| 65 | 蝇毒磷 | 96.80 | 92.40 | 91.60 | 98.10 | 99.40 | 94.60 |
| 66 | 氰草津 | 118.25 | 101.12 | 123.3 | 99.69 | 106.76 | 79.04 |
| 67 | 苯腈磷 | 102.2 | 95.71 | 85.92 | 97.84 | 110.05 | 95.86 |
| 68 | 杀螟腈 | 96.34 | 91.77 | 84.49 | 90.76 | 101.83 | 93.36 |
| 69 | 环氟菌胺 | 98.80 | 92.28 | 79.02 | 101.99 | 111.70 | 96.61 |
| 70 | 氟氯氰菊酯 | 121.72 | 83.16 | 96.34 | 108.63 | 83.17 | 83.33 |
| 71 | 氰氟草酯 | 99.59 | 98.70 | 85.38 | 97.80 | 108.79 | 94.96 |
| 72 | 氯氟氰菊酯 | 116.32 | 106.98 | 86.56 | 107.46 | 125.10 | 81.01 |
| 73 | 氯氰菊酯 | 88.68 | 109.46 | 84.16 | 117.89 | 94.53 | 81.51 |
| 74 | 环丙唑醇 | 90.33 | 88.76 | 84.24 | 83.13 | 92.93 | 107.01 |
| 75 | 啉菌环胺 | 96.85 | 91.91 | 85.95 | 90.62 | 95.65 | 97.71 |
| 76 | 二氯异丙醚 | 83.19 | 60.26 | 65.95 | 93.71 | 75.73 | 86.38 |
| 77 | δ-六六六 | 84.11 | 91.23 | 92.69 | 94.94 | 101.28 | 87.22 |
| 78 | 溴氰菊酯 | 115.58 | 120.38 | 67.69 | 111.87 | 113.81 | 73.13 |

| 序号 | 化合物 | 加标浓度 1 µg/kg | | | 加标浓度 5 µg/kg | | |
|-----|-----------|--------------|--------|--------|--------------|--------|--------|
| | | 苹果 | 黄瓜 | 西红柿 | 苹果 | 黄瓜 | 西红柿 |
| 79 | 甜菜安 | 90.29 | 104.12 | 107.2 | 105.02 | 111.24 | 105.03 |
| 80 | 燕麦敌 | 79.845 | 87.915 | 79.835 | 85.54 | 90.08 | 92.06 |
| 81 | 二嗪磷 | 93.58 | 81.37 | 85.89 | 90.71 | 100.55 | 94.92 |
| 82 | 敌草腈 | 78.51 | 85.77 | 77.25 | 79.09 | 89.10 | 98.31 |
| 83 | 除线磷 | 95.35 | 81.61 | 83.26 | 91.52 | 101.90 | 94.91 |
| 84 | 苯氟磺胺 | 41.61 | 45.32 | 59.77 | 44.90 | 55.62 | 65.17 |
| 85 | 苯氟磺胺代谢物 | 102.26 | 113.02 | 106.48 | 119.07 | 105.72 | 111.97 |
| 86 | 乙滴涕 | 77.71 | 88.1 | 87.02 | 88.85 | 94.09 | 98.18 |
| 87 | 敌敌畏 | 70.13 | 88.17 | 74.11 | 78.38 | 83.70 | 93.22 |
| 88 | 苄氯三唑醇 | 102.84 | 98.61 | 89.22 | 99.11 | 108.93 | 99.89 |
| 89 | 双氯氟菌胺 | 86.16 | 91.24 | 90.34 | 104.12 | 102.56 | 98.12 |
| 90 | 禾草灵甲酯 | 77.74 | 85.51 | 81.37 | 88.15 | 96.64 | 97.19 |
| 91 | 氯硝胺 | 110.97 | 97.65 | 99.40 | 99.45 | 107.09 | 97.90 |
| 92 | 三氯杀螨醇 | 97.00 | 85.90 | 91.40 | 103.50 | 97.40 | 100.70 |
| 93 | 百治磷 | 98.73 | 95.66 | 83.61 | 97.26 | 110.40 | 86.89 |
| 94 | 乙霉威 | 92.49 | 102.52 | 88.52 | 94.954 | 102.98 | 102.71 |
| 95 | 恶醚唑 | 110.23 | 97.53 | 92.82 | 105.3 | 90.24 | 103.03 |
| 96 | 吡氟酰草胺 | 97.82 | 91.62 | 85.37 | 96.31 | 104.55 | 92.26 |
| 97 | 啶草丹 | 82.74 | 91.24 | 108.32 | 91.166 | 92.44 | 100.36 |
| 98 | 异戊乙净 | 89.08 | 89.95 | 118.5 | 92.916 | 95.03 | 97.28 |
| 99 | 二甲酚噻草胺 | 85.71 | 90.53 | 85.70 | 92.788 | 96.00 | 97.54 |
| 100 | 噻节因 | 102.08 | 79.77 | 99.68 | 92.63 | 99.60 | 76.44 |
| 101 | 乐果 | 126.00 | 122.63 | 128.54 | 116.78 | 110.48 | 79.8 |
| 102 | (E)-甲基毒虫畏 | 93.35 | 89.49 | 75.21 | 98.02 | 113.76 | 83.62 |
| 103 | (Z)-甲基毒虫畏 | 95.33 | 90.78 | 72.77 | 102.79 | 118.36 | 76.29 |
| 104 | 草乃敌 | 93.40 | 97.22 | 91.97 | 94.91 | 97.71 | 98.39 |
| 105 | 二苯胺 | 97.50 | 104.05 | 102.16 | 92.85 | 93.80 | 99.49 |
| 106 | 乙拌磷 | 83.71 | 97.83 | 95.72 | 91.49 | 80.35 | 87.82 |
| 107 | 乙拌磷砒 | 92.66 | 93.04 | 98.03 | 91.09 | 96.93 | 104.22 |
| 108 | 氟硫草定 | 95.03 | 89.64 | 79.91 | 93.43 | 101.08 | 93.70 |
| 109 | 敌瘟磷 | 97.05 | 93.79 | 75.62 | 91.33 | 109.15 | 84.66 |
| 110 | 硫丹硫酸酯 | 67.61 | 118.51 | 78.35 | 66.13 | 104.59 | 94.39 |
| 111 | 苯硫磷 | 110.3 | 125.12 | 79.03 | 93.65 | 125.56 | 81.60 |
| 112 | 氟环唑 | 103.00 | 66.37 | 65.60 | 89.76 | 92.48 | 95.49 |
| 113 | 禾草畏 | 85.46 | 81.92 | 84.17 | 92.59 | 102.42 | 97.03 |
| 114 | 丁氟消草 | 97.67 | 84.08 | 66.49 | 105.54 | 114.4 | 74.42 |
| 115 | 乙硫磷 | 107.36 | 98.64 | 88.54 | 94.56 | 107.61 | 88.22 |
| 116 | 醚菊唑 | 70.16 | 83.54 | 82.66 | 83.06 | 90.69 | 84.33 |
| 117 | 乙呋草黄 | 83.46 | 91.74 | 85.13 | 87.31 | 92.036 | 96.77 |
| 118 | 灭线磷 | 97.05 | 82.92 | 89.07 | 92.45 | 101.79 | 95.87 |
| 119 | 乙氧苯草胺 | 64.90 | 67.51 | 69.33 | 81.98 | 70.79 | 76.56 |

| 序号 | 化合物 | 加标浓度 1 $\mu\text{g}/\text{kg}$ | | | 加标浓度 5 $\mu\text{g}/\text{kg}$ | | |
|-----|-----------|--------------------------------|--------|--------|--------------------------------|--------|--------|
| | | 苹果 | 黄瓜 | 西红柿 | 苹果 | 黄瓜 | 西红柿 |
| 120 | 乙螨唑 | 75.78 | 79.54 | 76.27 | 82.32 | 89.17 | 87.51 |
| 121 | 乙螨唑代谢物 | 102.44 | 69.61 | 56.31 | 98.99 | 75.04 | 65.20 |
| 122 | 土菌灵 | 82.34 | 88.32 | 74.5 | 88.12 | 100.47 | 84.31 |
| 123 | 乙嘧硫磷 | 93.23 | 80.5 | 83.23 | 91.19 | 100.11 | 82.74 |
| 124 | 恶唑菌酮 | 107.22 | 106.35 | 105.27 | 107.98 | 89.36 | 102.89 |
| 125 | 咪唑菌酮 | 84.34 | 93.69 | 88.43 | 85.99 | 88.41 | 95.21 |
| 126 | 苯线磷 | 98.09 | 88.3 | 87.17 | 93.00 | 96.99 | 96.68 |
| 127 | 氯苯嘧啶醇 | 99.53 | 120.88 | 83.97 | 98.68 | 118.36 | 98.92 |
| 128 | 腈苯唑 | 102.84 | 98.83 | 90.43 | 104.22 | 95.61 | 102.02 |
| 129 | 皮蝇磷 | 98.71 | 82.85 | 74.87 | 92.12 | 100.37 | 88.96 |
| 130 | 杀螟硫磷 | 110.52 | 93.19 | 81.68 | 94.84 | 111.01 | 81.30 |
| 131 | 苯硫威 | 90.26 | 91.6 | 85.15 | 96.94 | 97.88 | 99.91 |
| 132 | 稻瘟酰胺 | 84.57 | 95.37 | 87.09 | 95.42 | 99.63 | 100.98 |
| 133 | 恶唑禾草灵(乙酯) | 83.72 | 95.62 | 81.17 | 94.18 | 101.82 | 93.32 |
| 134 | 苯氧威 | 90.09 | 80.72 | 102.51 | 104.28 | 104.93 | 107.76 |
| 135 | 甲氧菊酯 | 108.42 | 104.24 | 88.8 | 100.81 | 108.46 | 87.05 |
| 136 | 丰索磷 | 123.54 | 118.19 | 94.08 | 95.22 | 122.38 | 94.97 |
| 137 | 倍硫磷 | 96.02 | 82.46 | 84.96 | 94.27 | 98.49 | 94.82 |
| 138 | 氰戊菊酯 | 122.95 | 119.06 | 82.04 | 109.74 | 125.02 | 85.98 |
| 139 | 氟虫腈 | 93.22 | 44.75 | 77.94 | 88.03 | 49.86 | 93.04 |
| 140 | 麦草伏甲酯 | 75.97 | 87.16 | 85.47 | 87.05 | 88.13 | 96.06 |
| 141 | 啉啉酯 | 103.57 | 92.05 | 86.08 | 96.06 | 105.51 | 91.07 |
| 142 | 氟氰戊菊酯 | 126.3 | 118.57 | 84.38 | 105.33 | 116.57 | 85.59 |
| 143 | 咯菌腈 | 91.85 | 84.94 | 87.96 | 95.02 | 88.63 | 91.45 |
| 144 | 氟啶嗪草酯 | 78.37 | 85.56 | 82.19 | 87.95 | 93.05 | 97.18 |
| 145 | 氟烯草酸 | 77.83 | 90.08 | 90.31 | 91.29 | 98.74 | 98.78 |
| 146 | 丙炔氟草胺 | 88.74 | 95.86 | 98.2 | 97.64 | 103.36 | 109.61 |
| 147 | 氟啶唑 | 98.97 | 93.31 | 78.97 | 95.65 | 100.67 | 98.69 |
| 148 | 氟啶草酮 | 104.28 | 84.82 | 93.85 | 103.21 | 95.37 | 95.48 |
| 149 | 氟硅唑 | 92.69 | 90.61 | 81.47 | 94.974 | 99.31 | 104.65 |
| 150 | 氟硅唑代谢物 | 85.63 | 87.73 | 87.13 | 95.184 | 107.27 | 104.01 |
| 151 | 纹枯胺 | 108.33 | 91.98 | 74.69 | 95.55 | 101.74 | 89.00 |
| 152 | 粉唑醇 | 104.23 | 104.42 | 85.63 | 91.73 | 96.00 | 102.75 |
| 153 | 氟氰胺菊酯 | 123.85 | 113.77 | 80.01 | 111.51 | 127.20 | 88.80 |
| 154 | 灭菌丹 | 38.70 | 55.39 | 59.24 | 34.65 | 62.35 | 64.23 |
| 155 | 地虫硫磷 | 93.51 | 80.79 | 84.2 | 89.78 | 103.16 | 98.11 |
| 156 | 安果磷 | 81.18 | 77.77 | 69.67 | 80.42 | 76.44 | 61.53 |
| 157 | 噻唑磷 | 96.16 | 95.82 | 79.66 | 95.85 | 125.19 | 84.49 |
| 158 | 四氯苯酞 | 93.33 | 91.28 | 81.88 | 91.64 | 100.39 | 93.91 |
| 159 | 呋吡菌胺 | 99.47 | 83.29 | 73.9 | 99.71 | 86.77 | 95.19 |
| 160 | 呋吡菌胺代谢物 | 71.14 | 69.46 | 74.76 | 81.18 | 93.68 | 62.68 |

| 序号 | 化合物 | 加标浓度 1 µg/kg | | | 加标浓度 5 µg/kg | | |
|-----|-------------|--------------|--------|--------|--------------|--------|--------|
| | | 苹果 | 黄瓜 | 西红柿 | 苹果 | 黄瓜 | 西红柿 |
| 161 | 解草恶唑 | 83.42 | 61.99 | 88.47 | 86.19 | 66.03 | 98.18 |
| 162 | γ-六六六/林丹 | 82.94 | 88.08 | 88.24 | 93.01 | 95.91 | 91.66 |
| 163 | 苄螨醚 | 113.97 | 129.56 | 86.83 | 128.41 | 127.09 | 89.47 |
| 164 | 己唑醇 | 101.49 | 78.48 | 90.33 | 98.85 | 91.71 | 101.43 |
| 165 | 环嗪酮 | 93.72 | 82.41 | 91.08 | 89.69 | 91.06 | 97.20 |
| 166 | 甲基咪草酯 | 78.57 | 65.33 | 54.34 | 76.6 | 74.08 | 74.15 |
| 167 | 酰胺唑-脱苯甲基 | 112.37 | 98.15 | 90.85 | 109.91 | 100.60 | 105.30 |
| 168 | 酰胺唑 | 116.82 | 91.00 | 105.15 | 114.96 | 107.44 | 114.33 |
| 169 | 茚虫威 | 87.7 | 87.71 | 87.75 | 101.94 | 99.27 | 98.27 |
| 170 | 异菌脲 | 81.12 | 97.74 | 106.43 | 96.71 | 106.34 | 105.65 |
| 171 | 异菌脲代谢物 | 102.61 | 79.01 | 109.37 | 105.83 | 100.44 | 94.56 |
| 172 | 氯唑磷 | 102.95 | 100.00 | 89.30 | 105.65 | 104.00 | 84.40 |
| 173 | 水胺硫磷 | 94.03 | 56.76 | 85.79 | 87.76 | 71.05 | 103.30 |
| 174 | 异柳磷 | 100.02 | 92.51 | 87.80 | 94.36 | 104.29 | 93.29 |
| 175 | 甲基异柳磷 | 95.90 | 88.40 | 83.20 | 98.70 | 93.20 | 91.40 |
| 176 | 牛津郡异柳磷 | 94.46 | 89.47 | 88.13 | 91.37 | 94.84 | 99.89 |
| 177 | 异丙威 | 108.99 | 89.8 | 70.43 | 91.35 | 91.28 | 101.87 |
| 178 | 稻瘟灵 | 99.39 | 94.24 | 81.75 | 96.72 | 102.66 | 93.40 |
| 179 | 双苯恶唑酸乙酯 | 76.07 | 89.88 | 88.90 | 92.35 | 100.58 | 98.31 |
| 180 | 恶唑磷 | 127.84 | 128.17 | 94.58 | 100.06 | 121.13 | 78.81 |
| 181 | 苯氧菊酯 | 98.39 | 93.12 | 85.11 | 95.03 | 103.72 | 93.39 |
| 182 | 马拉硫磷 | 97.55 | 79.14 | 82.98 | 93.59 | 105.72 | 84.95 |
| 183 | 2-甲-4-氯硫代乙酯 | 73.53 | 102.41 | 82.41 | 75.47 | 88.202 | 87.87 |
| 184 | 灭蚜磷 | 100.7 | 93.38 | 79.01 | 97.48 | 108.85 | 84.1 |
| 185 | 苯噻草胺 | 87.18 | 96.34 | 87.73 | 102.65 | 102.22 | 95.58 |
| 186 | 吡唑解草酯 | 79.87 | 86.44 | 83.19 | 83.08 | 93.17 | 93.03 |
| 187 | 灭锈胺 | 87.92 | 90.06 | 85.82 | 91.87 | 92.21 | 98.53 |
| 188 | 甲霜灵 | 101.35 | 76.41 | 106.56 | 99.29 | 107.32 | 117.36 |
| 189 | 虫螨畏 | 84.40 | 86.23 | 82.14 | 84.20 | 93.71 | 94.08 |
| 190 | 甲胺磷 | 114.40 | 89.30 | 92.4 | 105.20 | 93.40 | 97.60 |
| 191 | 杀扑磷 | 96.83 | 93.98 | 75.19 | 94.61 | 108.64 | 72.35 |
| 192 | 烯虫酯 | 60.04 | 72.70 | 88.35 | 72.89 | 85.70 | 103.90 |
| 193 | 甲氧滴滴涕 | 100.25 | 111.18 | 93.89 | 97.54 | 111.95 | 116.39 |
| 194 | 异丙甲草胺 | 86.53 | 89.62 | 84.41 | 94.79 | 96.53 | 97.48 |
| 195 | (E)-苯氧菌胺 | 105.16 | 93.34 | 86.09 | 96.00 | 99.60 | 103.16 |
| 196 | (Z)-苯氧菌胺 | 105.42 | 101.18 | 99.90 | 98.07 | 105.65 | 99.52 |
| 197 | 嗪草酮 | 51.27 | 55.73 | 75.70 | 78.84 | 65.12 | 90.17 |
| 198 | 内吸磷-S-甲基 | 92.63 | 90.75 | 112.30 | 94.57 | 78.28 | 93.28 |
| 199 | 速灭磷 | 84.65 | 79.65 | 80.98 | 87.46 | 98.44 | 94.54 |
| 200 | 禾草敌 | 109.88 | 71.78 | 114.90 | 71.02 | 96.85 | 88.58 |
| 201 | 久效磷 | 104.1 | 101.36 | 91.40 | 105.75 | 109.93 | 88.33 |

| 序号 | 化合物 | 加标浓度 1 µg/kg | | | 加标浓度 5 µg/kg | | |
|-----|----------|--------------|--------|--------|--------------|--------|--------|
| | | 苹果 | 黄瓜 | 西红柿 | 苹果 | 黄瓜 | 西红柿 |
| 202 | 腈菌唑 | 102.87 | 94.38 | 86.55 | 96.63 | 106.83 | 98.23 |
| 203 | 二溴磷 | 58.04 | 55.23 | 61.43 | 63.06 | 61.48 | 65.95 |
| 204 | 1-萘酰胺 | 97.80 | 79.99 | 80.43 | 86.78 | 87.19 | 96.76 |
| 205 | 敌草胺 | 104.89 | 74.93 | 106.02 | 106.72 | 118.75 | 85.59 |
| 206 | 甲磺乐灵 | 95.91 | 88.81 | 101.68 | 97.37 | 111.56 | 73.69 |
| 207 | 除草醚 | 82.51 | 69.17 | 115.43 | 117.06 | 90.91 | 110.73 |
| 208 | 酞菌酯 | 119.11 | 98.9 | 83.01 | 104.27 | 115.85 | 84.89 |
| 209 | 氟草敏 | 86.75 | 91.07 | 87.38 | 87.88 | 93.80 | 96.28 |
| 210 | 氧化乐果 | 98.03 | 83.48 | 79.92 | 84.26 | 104.99 | 84.75 |
| 211 | o,p'-DDT | 88.70 | 92.70 | 84.80 | 92.50 | 97.20 | 93.60 |
| 212 | 解草腈 | 89.07 | 119.82 | 106.32 | 103.32 | 98.51 | 111.55 |
| 213 | 恶草酮 | 101.16 | 83.80 | 86.09 | 98.31 | 103.85 | 91.58 |
| 214 | 恶霜灵 | 100.93 | 89.30 | 70.80 | 100.13 | 96.32 | 79.60 |
| 215 | 乙氧氟草醚 | 131.04 | 118.41 | 103.2 | 108.90 | 123.78 | 94.79 |
| 216 | 多效唑 | 94.78 | 99.1 | 84.12 | 94.36 | 92.84 | 97.23 |
| 217 | 对硫磷 | 111.19 | 88.08 | 87.14 | 98.40 | 120.12 | 87.71 |
| 218 | 甲基对硫磷 | 112.48 | 97.97 | 84.27 | 95.83 | 114.23 | 83.99 |
| 219 | 戊菌唑 | 93.80 | 92.05 | 85.77 | 95.17 | 106.50 | 97.66 |
| 220 | 二甲戊乐灵 | 113.12 | 100.68 | 85.58 | 104.63 | 116.34 | 85.13 |
| 221 | 恶嗪酮 | 88.51 | 87.86 | 82.78 | 96.39 | 96.52 | 92.15 |
| 222 | 氯菊酯 | 97.45 | 118.56 | 111.86 | 101.89 | 106.83 | 85.81 |
| 223 | 稻丰散 | 97.64 | 90.03 | 82.47 | 95.29 | 102.79 | 90.42 |
| 224 | 甲拌磷 | 89.26 | 71.05 | 79.99 | 86.89 | 90.50 | 90.28 |
| 225 | 伏杀磷 | 89.18 | 90.4 | 72.75 | 120.45 | 104.68 | 70.11 |
| 226 | 亚胺硫磷 | 90.43 | 98.87 | 85.12 | 85.10 | 105.72 | 85.92 |
| 227 | 磷胺 | 97.13 | 91.53 | 71.86 | 92.92 | 106.95 | 71.46 |
| 228 | 氟吡草胺 | 78.48 | 82.59 | 82.14 | 86.65 | 93.22 | 95.50 |
| 229 | 增效醚 | 70.74 | 19.61 | 68.07 | 89.86 | 105.58 | 103.85 |
| 230 | 啶草磷 | 105.55 | 100.14 | 88.72 | 94.78 | 106.56 | 90.01 |
| 231 | 甲基嘧啶磷 | 90.91 | 80.93 | 82.78 | 90.34 | 101.18 | 94.40 |
| 232 | p,p'-DDD | 92.00 | 85.30 | 94.60 | 102.40 | 95.70 | 97.10 |
| 233 | p,p'-DDE | 105.90 | 82.50 | 93.70 | 97.90 | 89.70 | 104.70 |
| 234 | p,p'-DDT | 113.50 | 109.30 | 87.90 | 103.70 | 102.50 | 100.40 |
| 235 | 丙草胺 | 87.66 | 94.77 | 90.06 | 96.56 | 94.70 | 98.20 |
| 236 | 腐霉利 | 109.64 | 121.9 | 103.20 | 96.68 | 115.46 | 103.26 |
| 237 | 丙溴磷 | 88.96 | 90.29 | 78.47 | 90.36 | 100.73 | 85.56 |
| 238 | 扑草净 | 89.99 | 91.13 | 93.99 | 98.45 | 100.58 | 90.73 |
| 239 | 毒草安 | 89.24 | 82.66 | 84.02 | 90.65 | 90.20 | 95.61 |
| 240 | 敌稗 | 94.41 | 96.31 | 88.44 | 98.73 | 98.07 | 92.57 |
| 241 | 丙虫磷 | 94.94 | 87.31 | 87.03 | 93.08 | 95.99 | 96.37 |
| 242 | 克螨特 | 108.62 | 88.03 | 88.53 | 99.02 | 94.36 | 87.03 |

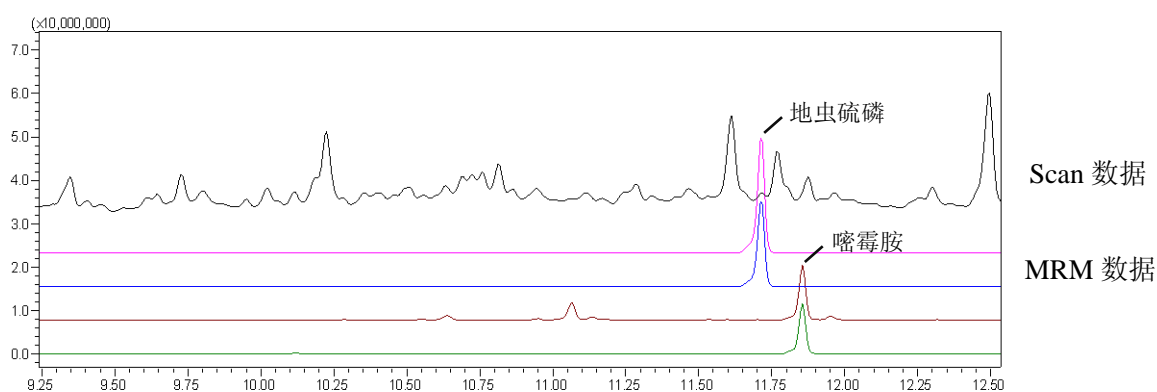
| 序号 | 化合物 | 加标浓度 1 µg/kg | | | 加标浓度 5 µg/kg | | |
|-----|---------|--------------|--------|--------|--------------|--------|---------|
| | | 苹果 | 黄瓜 | 西红柿 | 苹果 | 黄瓜 | 西红柿 |
| 243 | 扑灭津 | 97.28 | 98.86 | 95.82 | 92.67 | 91.798 | 99.216 |
| 244 | 丙环唑 | 97.83 | 83.18 | 95.58 | 95.91 | 94.354 | 97.886 |
| 245 | 残杀威 | 87.18 | 93.85 | 65.22 | 97.36 | 94.67 | 113.756 |
| 246 | 戊炔草胺 | 97.77 | 94.49 | 83.94 | 97.68 | 106.59 | 91.52 |
| 247 | 丙硫磷 | 109.16 | 79.45 | 76.91 | 98.37 | 100.48 | 86.64 |
| 248 | 吡啶硫磷 | 107.11 | 102.9 | 78.87 | 101.0 | 125.42 | 81.77 |
| 249 | 吡啶磷 | 108.74 | 101.36 | 79.33 | 102.01 | 113.45 | 87.46 |
| 250 | 苄草啞 | 90.71 | 66.74 | 68.24 | 92.31 | 103.51 | 92.686 |
| 251 | 稗草丹 | 111.95 | 95.99 | 78.59 | 101.25 | 92.20 | 89.19 |
| 252 | 哒螨灵 | 112.84 | 109.46 | 73.52 | 119.20 | 128.63 | 73.21 |
| 253 | 哒嗪硫磷 | 105.36 | 91.75 | 79.9 | 93.11 | 105.32 | 84.97 |
| 254 | 啉啉醚 | 80.92 | 81.04 | 72.53 | 80.40 | 101.76 | 101.76 |
| 255 | (E)-啉草醚 | 98.64 | 89.84 | 86.14 | 96.44 | 108.73 | 94.45 |
| 256 | (Z)-啉草醚 | 100.23 | 91.46 | 84.06 | 95.67 | 105.14 | 92.42 |
| 257 | 蚊蝇醚 | 75.47 | 97.50 | 78.04 | 102.49 | 91.778 | 87.08 |
| 258 | 百快隆 | 92.74 | 95.38 | 87.94 | 96.05 | 97.374 | 92.51 |
| 259 | 啉硫磷 | 90.94 | 88.66 | 84.62 | 88.52 | 95.63 | 92.80 |
| 260 | 灭藻醌 | 111.17 | 91.78 | 62.77 | 95.53 | 100.19 | 64.57 |
| 261 | 啉氧灵 | 86.03 | 87.01 | 80.21 | 87.50 | 101.11 | 96.66 |
| 262 | 五氯硝基苯 | 93.52 | 85.10 | 77.31 | 93.30 | 104.51 | 88.53 |
| 263 | 苯呋菊酯 | 68.19 | 71.40 | 68.76 | 72.99 | 80.872 | 83.03 |
| 264 | 蔬果磷 | 98.30 | 74.96 | 91.26 | 91.18 | 102.64 | 93.54 |
| 265 | 硅醚菊酯 | 68.02 | 76.25 | 77.78 | 82.72 | 88.20 | 101.41 |
| 266 | 西玛津 | 109.57 | 101.22 | 95.76 | 92.19 | 90.53 | 102.94 |
| 267 | 硅氟啞 | 60.11 | 69.19 | 58.42 | 106.49 | 112.44 | 96.45 |
| 268 | 西草净 | 97.60 | 94.71 | 111.28 | 95.87 | 97.32 | 95.08 |
| 269 | 螺环菌胺 | 84.38 | 71.09 | 88.28 | 104.31 | 81.29 | 108.99 |
| 270 | 治螟磷 | 88.10 | 94.70 | 87.30 | 93.40 | 94.70 | 92.60 |
| 271 | 硫丙磷 | 98.98 | 85.91 | 84.08 | 99.39 | 100.73 | 90.06 |
| 272 | 灭草灵 | 104.15 | 102.75 | 97.37 | 106.28 | 105.45 | 98.60 |
| 273 | 苯噻氰 | 96.98 | 66.64 | 94.02 | 117.39 | 86.26 | 92.01 |
| 274 | 戊啞醇 | 87.49 | 77.8 | 49.1 | 116.26 | 83.45 | 83.21 |
| 275 | 吡啶胺 | 85.47 | 88.28 | 81.81 | 92.89 | 96.75 | 97.11 |
| 276 | 四氯硝基苯 | 85.05 | 83.01 | 79.50 | 87.84 | 98.88 | 91.53 |
| 277 | 七氟菊酯 | 96.83 | 93.22 | 92.96 | 97.52 | 105.39 | 92.97 |
| 278 | 特草定 | 104.08 | 88.26 | 74.82 | 104.35 | 97.986 | 91.45 |
| 279 | 特丁硫磷 | 101.39 | 92.08 | 89.34 | 91.55 | 99.47 | 92.29 |
| 280 | 特丁草净 | 85.37 | 91.10 | 76.9 | 94.45 | 97.124 | 87.67 |
| 281 | 杀虫畏 | 93.17 | 90.50 | 60.44 | 97.54 | 113.59 | 62.96 |
| 282 | 氟醚啞 | 92.17 | 78.54 | 86.33 | 95.18 | 98.96 | 96.88 |
| 283 | 四氯杀螨砒 | 96.08 | 91.46 | 84.68 | 100.72 | 110.24 | 95.87 |

| 序号 | 化合物 | 加标浓度 1 µg/kg | | | 加标浓度 5 µg/kg | | |
|-----|----------|--------------|--------|-------|--------------|--------|--------|
| | | 苹果 | 黄瓜 | 西红柿 | 苹果 | 黄瓜 | 西红柿 |
| 284 | 胺菊酯 | 104.74 | 93.73 | 82.04 | 99.96 | 96.73 | 91.31 |
| 285 | 噻吩草胺 | 84.71 | 88.15 | 84.99 | 94.48 | 98.19 | 99.80 |
| 286 | 噻苯达唑 | 110.43 | 81.54 | 66.64 | 63.45 | 51.26 | 79.04 |
| 287 | 噻呋酰胺 | 97.85 | 93.14 | 86.77 | 101.79 | 105.12 | 91.00 |
| 288 | 禾草丹 | 99.78 | 91.19 | 94.28 | 97.44 | 105.19 | 91.77 |
| 289 | 杀虫环 | 58.20 | 61.72 | 50.65 | 70.74 | 72.48 | 60.654 |
| 290 | 甲基乙拌磷 | 81.91 | 72.46 | 74.27 | 90.52 | 84.28 | 90.34 |
| 291 | 甲基立枯磷 | 102.62 | 99.02 | 89.22 | 93.42 | 102.92 | 92.90 |
| 292 | 甲苯氟磺胺 | 98.21 | 114.41 | 88.32 | 102.72 | 117.22 | 135.73 |
| 293 | 甲苯氟磺胺代谢物 | 38.68 | 50.55 | 51.83 | 40.57 | 51.45 | 60.59 |
| 294 | 三唑酮 | 97.01 | 92.04 | 87.89 | 93.61 | 101.58 | 83.82 |
| 295 | 三唑醇 | 123.75 | 123.76 | 105.9 | 108.70 | 115.61 | 84.13 |
| 296 | 野麦畏 | 92.76 | 77.83 | 79.28 | 92.72 | 99.87 | 96.09 |
| 297 | 三唑磷 | 103.8 | 98.91 | 90.77 | 95.53 | 105.73 | 90.24 |
| 298 | 脱叶磷 | 103.65 | 97.98 | 84.41 | 98.94 | 106.03 | 92.37 |
| 299 | 水杨菌胺 | 60.45 | 67.71 | 67.15 | 64.71 | 76.07 | 81.78 |
| 300 | 三环唑 | 91.33 | 84.53 | 75.3 | 109.07 | 91.08 | 101.44 |
| 301 | 肟菌酯 | 109.65 | 98.46 | 86.51 | 100.19 | 110.70 | 90.94 |
| 302 | 氟乐灵 | 96.77 | 86.42 | 71.52 | 102.74 | 112.15 | 78.59 |
| 303 | 单克素 | 101.37 | 101.35 | 90.33 | 99.20 | 111.13 | 97.04 |
| 304 | 乙烯菌核利 | 90.33 | 84.9 | 80.23 | 92.39 | 101.29 | 91.33 |
| 305 | 灭除威 | 97.66 | 67.85 | 70.58 | 108.10 | 117.63 | 109.88 |
| 306 | 苯酰菌胺 | 114.32 | 81.33 | 94.78 | 88.35 | 88.63 | 110.66 |

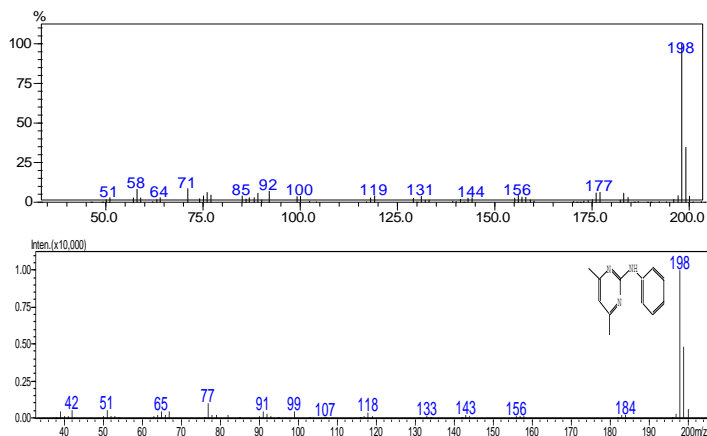
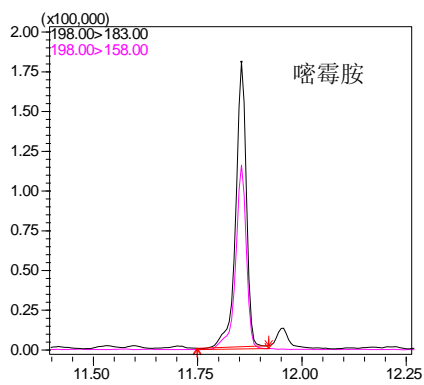
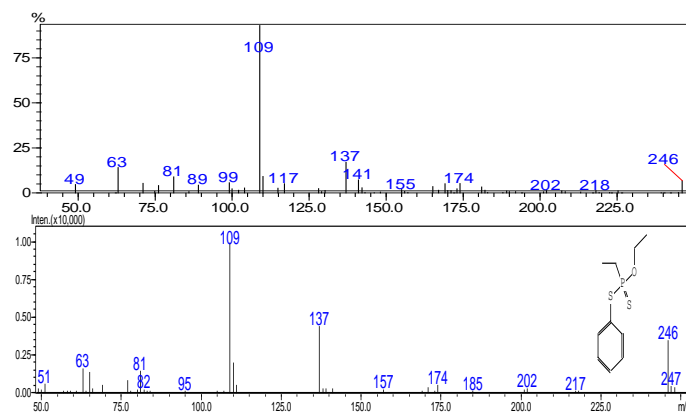
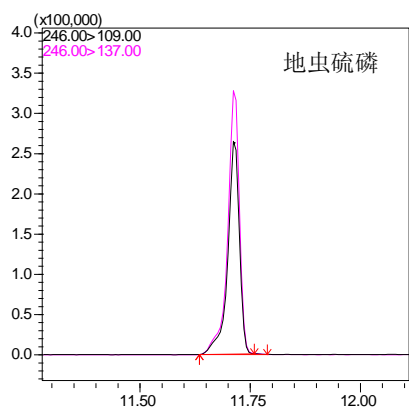
8. 高性能 Q3 Scan/MRM 同时采集

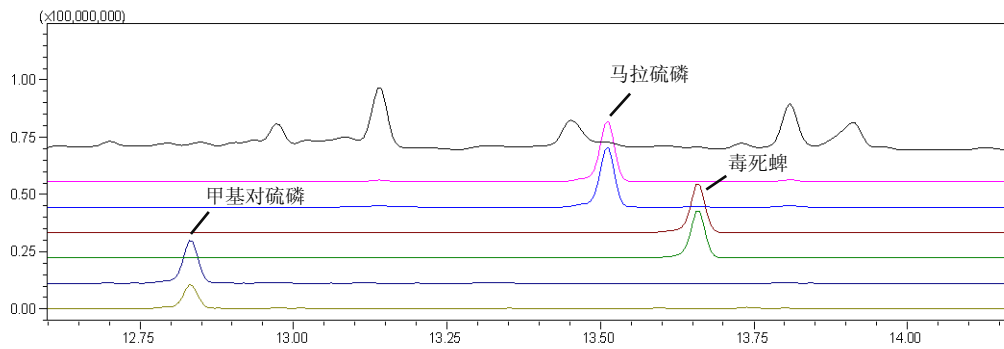
作为岛津 UFMS (Ultra Fast Mass Spectrometry) 家族中的一员, 岛津公司 GCMS-TQ8030 具有超过 600MRMs/sec 的 MRM 速度, 高达 20,000u/sec 的超快速扫描, 并配备专利 ASSP 技术, 支持 Scan/MRM 同时扫描, 使用 Scan/MRM 同时测定既可以满足高灵敏度定量分析的要求, 同时可以进行定性分析。两种数据结果可以在一次分析中同时采集并保存, 数据的采集时间大大减少, 这种测定模式显著增强了实验室的分析效率。

本实验中对此功能同时进行了考察, 以西红柿为基质, 添加了部分农药(浓度为 50 $\mu\text{g/L}$), 采用 Q3 Scan/MRM 同时采集模式, 并将 Scan 得到的质谱图与 NIST 标准谱库进行对比(质谱相似度检索), 结果如下:



MRM 数据

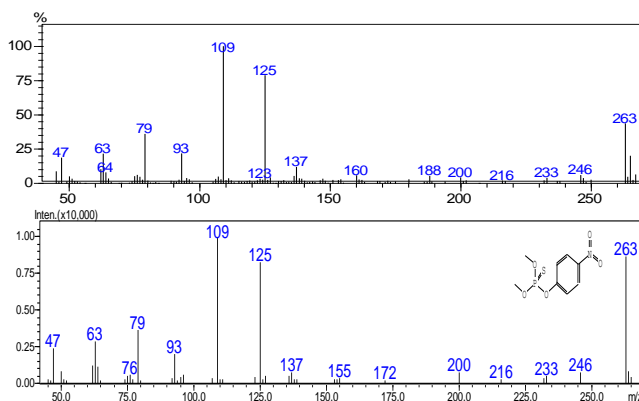
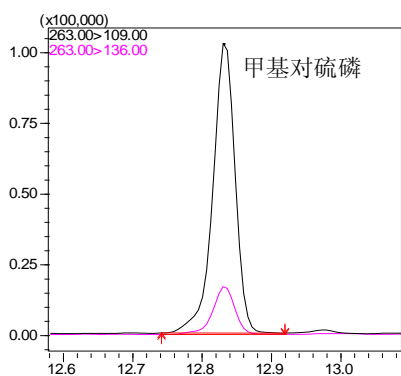




Scan 数据

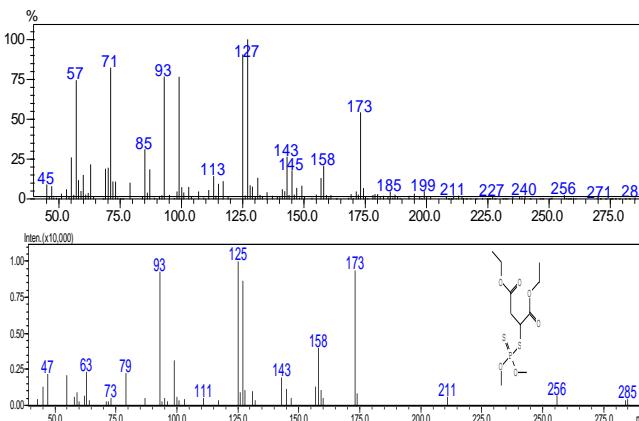
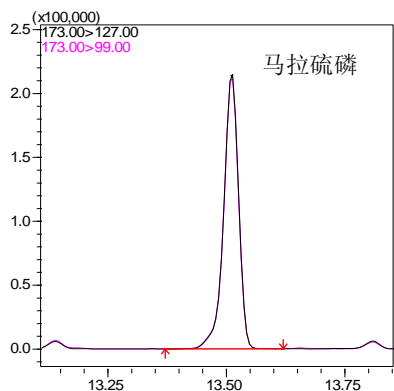
MRM 数据

MRM 数据



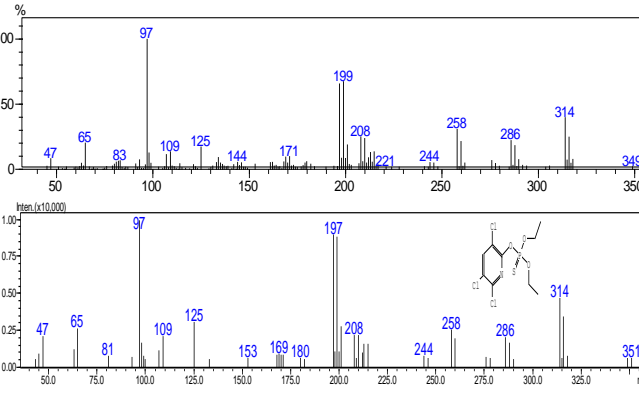
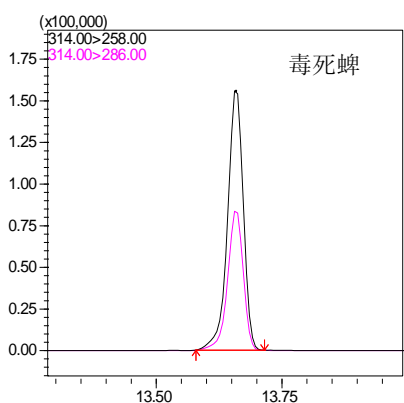
测得质谱

标准质谱



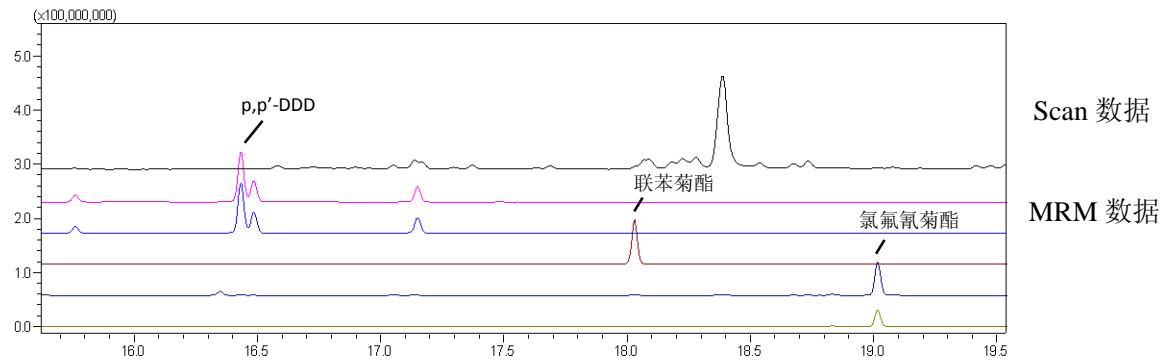
测得质谱

标准质谱

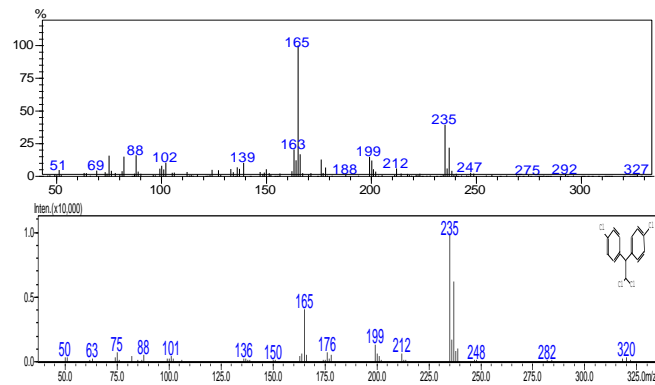
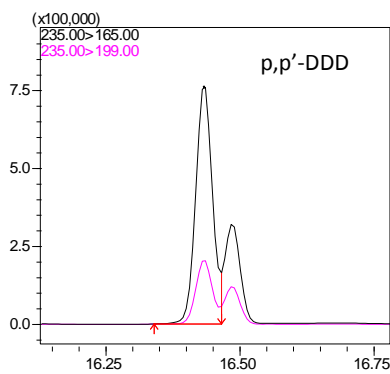


测得质谱

标准质谱

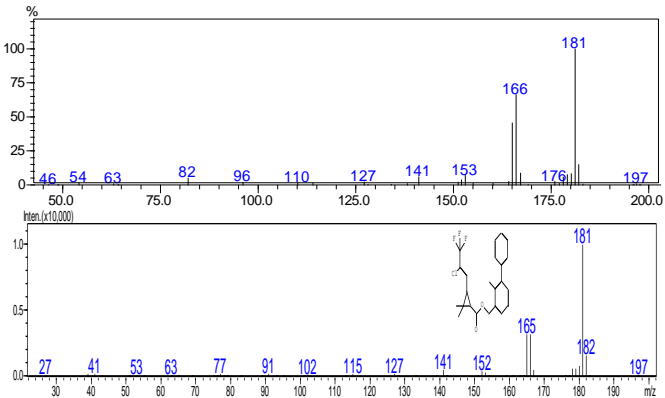
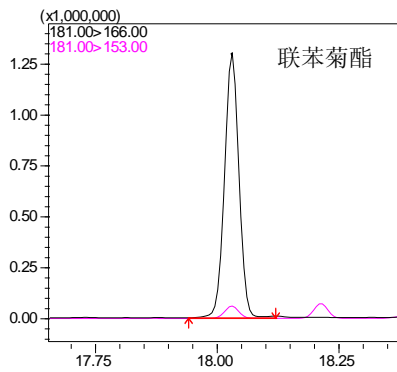


MRM 数据



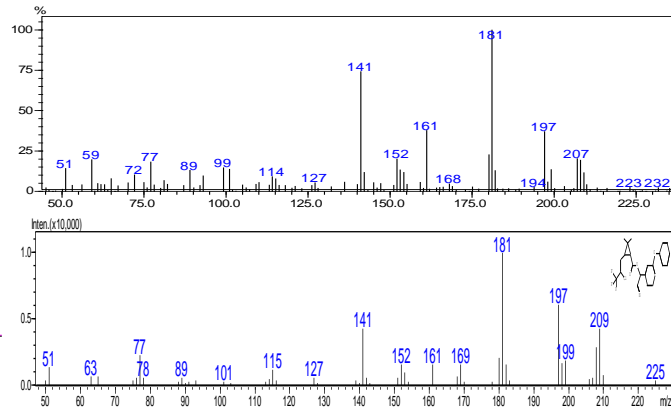
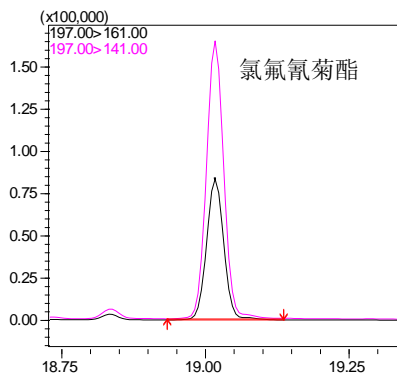
测得质谱

标准质谱



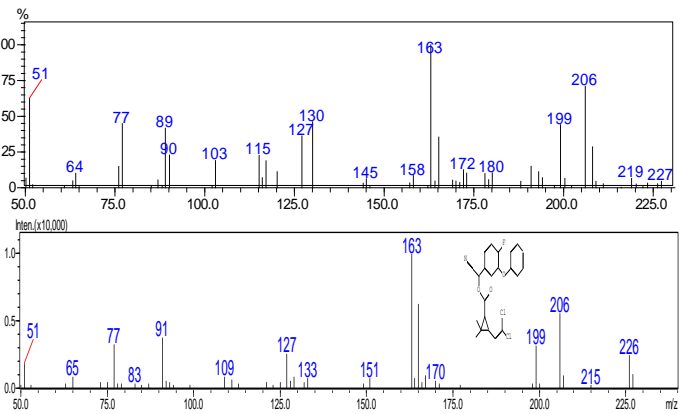
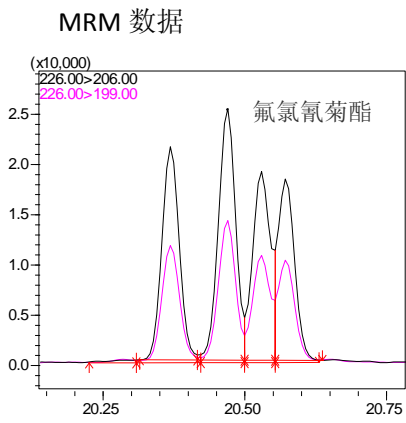
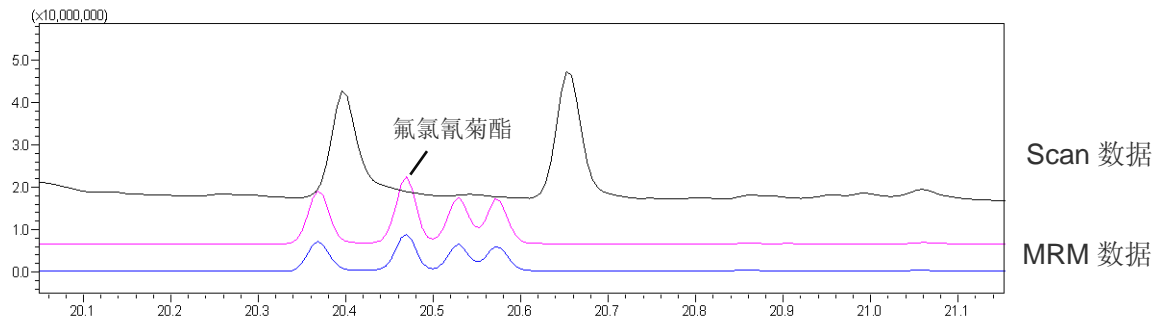
测得质谱

标准质谱



测得质谱

标准质谱



9. 结论

本手册提供了使用 GCMS-TQ8030 三重四极杆气质联用仪快速测定食品中 306 种农药残留的整体解决方案。针对 300 多种农药，收录了其 MRM 分析参数和二级质谱图等信息，涵盖了我国现行的农药残留限量标准 GB2763-2005《食品中农药最大残留限量》中绝大部分农药品种。在 1~100 $\mu\text{g/L}$ 浓度范围内，大部分农药线性良好，相关系数大于 0.995。在 1、5 $\mu\text{g/kg}$ 两个添加浓度下，绝大部分农药在所选三种基质（苹果、黄瓜、西红柿）中的加标回收率为 70~120% 之间，可以满足商检、农检等部门的检测要求。