█**Column：**AccucoreTM XL C18 4um，150×3 mm

█**Moving Phase and Gradient：**

|  |  |  |  |
| --- | --- | --- | --- |
| Time (min) | A% (0.2%FA) | B% (ACN) | Curve |
| 0 | 90 | 10 | 5 |
| 30 | 10 | 90 | 5 |
| 40 | 10 | 90 | 5 |
| 41 | 90 | 10 | 5 |
| 50 | 90 | 10 | 5 |

█**Results:**

**Table 1. Genipin (M/Z 226)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample** | **Retention time (RT)** | **Molecular formula** | **Integral** | **Chromatogram** |
| Act-GPS-D1 | 9.46 | C11H14O14 | 125420042 | See Appendix 1 |
| Act-GPS-D4 | 9.46 | C11H14O14 | 14735501 | See Appendix 1 |
| Act-GPS-D7 | 9.46 | C11H14O14 | 180623 | See Appendix 1 |

Note: As the scan mode was performed in negative ion mode, the detected result corresponds to [M–H]⁻

**Table 2. Geniposide (M/Z 388)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample** | **Retention time (RT)** | **Molecular formula** | **Integral** | **Chromatogram** |
| Act-GPS-D1 | 7.60 | C17H24O10 | 26311015 | See Appendix 2 |
| Act-GPS-D4 | 7.60 | C17H24O10 | 5449984 | See Appendix 2 |
| Act-GPS-D7 | 7.60 | C17H24O10 | - | See Appendix 2 |

Note: As the scan mode was performed in negative ion mode, the detected result corresponds to [M–H]⁻

█**Appendix 1**

Act-GPS-D1 Geniposide -Area 26311015

 

Act-GPS-D4 Geniposide -Area 5449984





Act-GPS-D7 Geniposide -Area ND



█**Appendix 2**

Act-GPS-D1 Genipin-Area 125420042





Act-GPS-D4 Genipin-Area 14735501





Act-GPS-D7Genipin-Area 180623



