



# TEST REPORT

E: [contact@tjqxgd.com](mailto:contact@tjqxgd.com)

W: [www.tjqxgd.com](http://www.tjqxgd.com)

KL80-20261013S3016C1

Sample Received: 2026-10-13

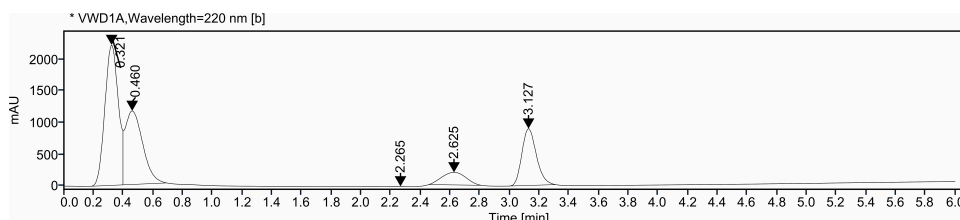
Authentication Code:

Analysis date: 2026-10-14



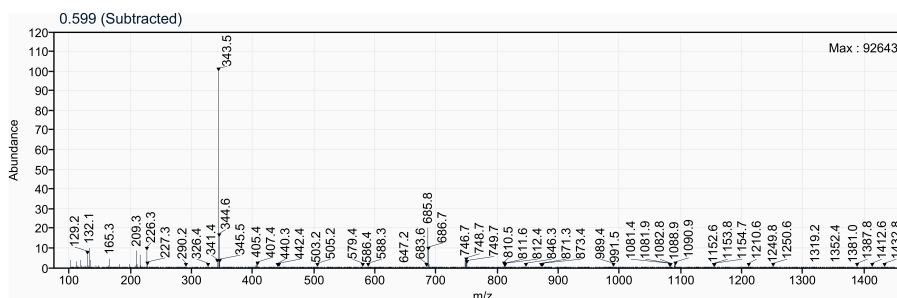
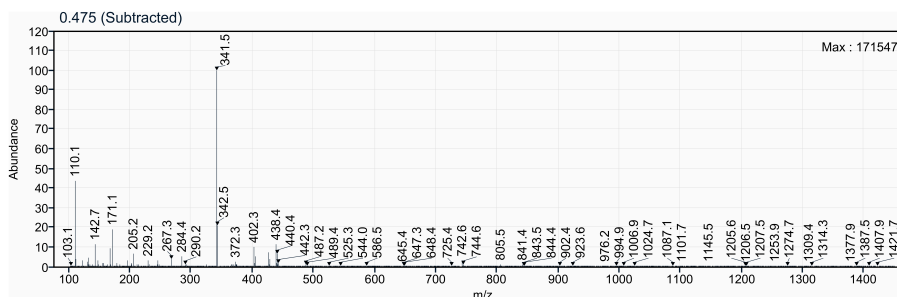
|              |                                                                                                                                        |                  |                                       |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------|
| Compound     | KL80/(GHK-Cu& KPV&TB500&BPC157)                                                                                                        | CAS Number       | N/A                                   |
| Formula      | N/A                                                                                                                                    | Molecular Weight | 340.38(Free)/342.44/<br>889.01/1419.5 |
| Batch Number | KLOW202641                                                                                                                             |                  |                                       |
| Manufacturer | Lotus Biotech <a href="https://lbiopeptides.com/">https://lbiopeptides.com/</a> <a href="mailto:info@lotusbio.cn">info@lotusbio.cn</a> |                  |                                       |

## HPLC-MS Details:



Signal: \* VWD1A.Wavelength=220 nm [b]

| RT [min] | Type | Width [min] | Area       | Height    | Area%   |
|----------|------|-------------|------------|-----------|---------|
| 0.321    | MM m | 0.2174      | 13886.5201 | 2217.8165 | 43.6978 |
| 0.460    | MM m | 0.2941      | 9590.0778  | 1162.2983 | 30.1778 |
| 2.265    | MB n | 0.1722      | 1.1097     | 0.1718    | 0.0035  |
| 2.625    | MM m | 0.3538      | 2224.5913  | 197.9415  | 7.0003  |
| 3.127    | BM m | 0.3302      | 6076.2710  | 898.1984  | 19.1207 |
| Sum      |      |             | 31778.5701 |           |         |



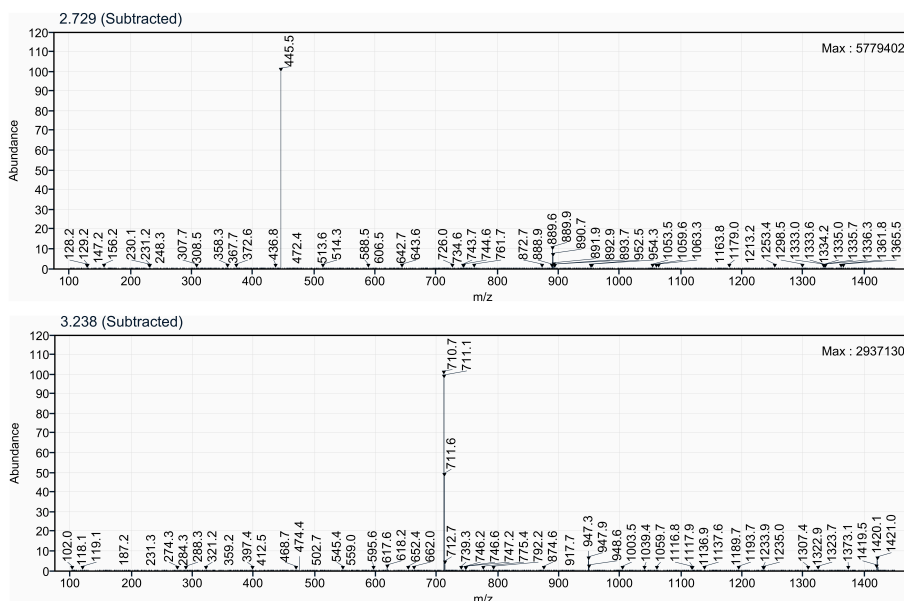
This test data is provided by a third-party partner laboratory; our company is responsible for data compilation, review, and issuance of the document. Neither our company nor the partner testing laboratory holds CMA/CNAS accreditation, and this document does not carry legal certification validity. It shall not be used for regulatory submissions, litigation evidence, or any other purpose requiring legally accredited documentation. The related products are intended for scientific research use only and have not been approved for human or veterinary use, diagnosis, treatment, or clinical application. Results should be interpreted by qualified professionals within the intended scope of research.



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## Result:

| Test Items           | Specification                                                                                                                                                  | Results                   |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Appearance           | Blue powder                                                                                                                                                    | Blue powder               |
| Purity (LCMS/HPLC)   | ≥ 99.0%                                                                                                                                                        | 99.9%(Combination purity) |
| Mass Spectrum        | Conforms to<br>[M+H] <sup>+</sup> (GHK-Cu) ;<br>[M+H] <sup>+</sup> (KPV);<br>[M+H] <sup>+</sup> , [M+2H] <sup>2+</sup> (TB500);<br>[M+2H] <sup>2+</sup> (BPC); | Detected                  |
| Endotoxin (USP <85>) | < 1 EU/mg                                                                                                                                                      | 0.205 EU/mg, PASS         |
| Net Content          | 48.09 mg (GHK-Cu); 10.87 mg (KPV);<br>10.79 mg (TB500); 11.6 mg (BPC157)                                                                                       |                           |

Peng Gao

Zhibo Li

Peng Gao, Data Compilation

Zhibo Li, Technical Review

This test data is provided by a third-party partner laboratory; our company is responsible for data compilation, review, and issuance of the document. Neither our company nor the partner testing laboratory holds CMA/CNAS accreditation, and this document does not carry legal certification validity. It shall not be used for regulatory submissions, litigation evidence, or any other purpose requiring legally accredited documentation. The related products are intended for scientific research use only and have not been approved for human or veterinary use, diagnosis, treatment, or clinical application. Results should be interpreted by qualified professionals within the intended scope of research.

# LCMS Sample Purity - Detailed Report



**Result set name:** SingleSample

**Data file:** KL80.dx

**Sample name:** KL80

**Instrument:** LCMS

**Inj. volume:** 5.000  $\mu$ L

**Acq. method:** LCMS-02AB.amx

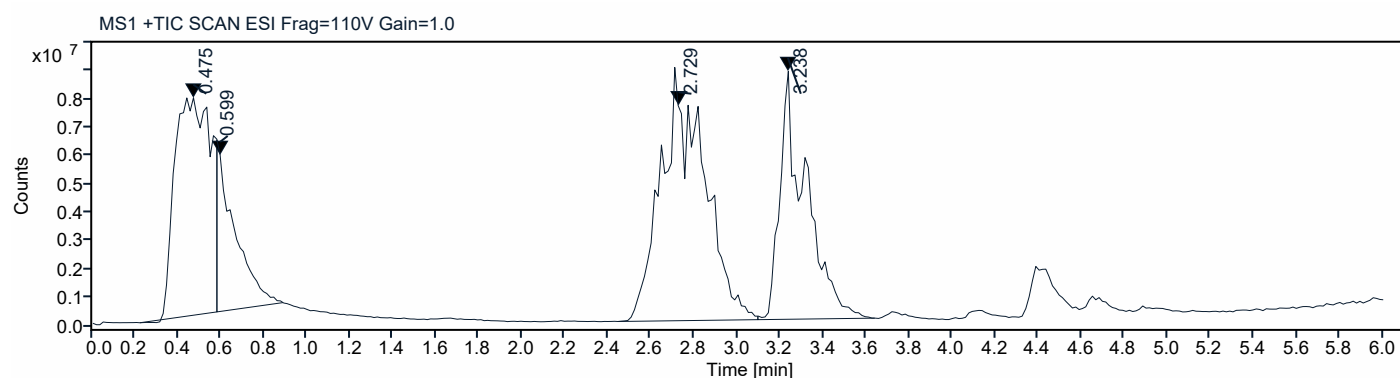
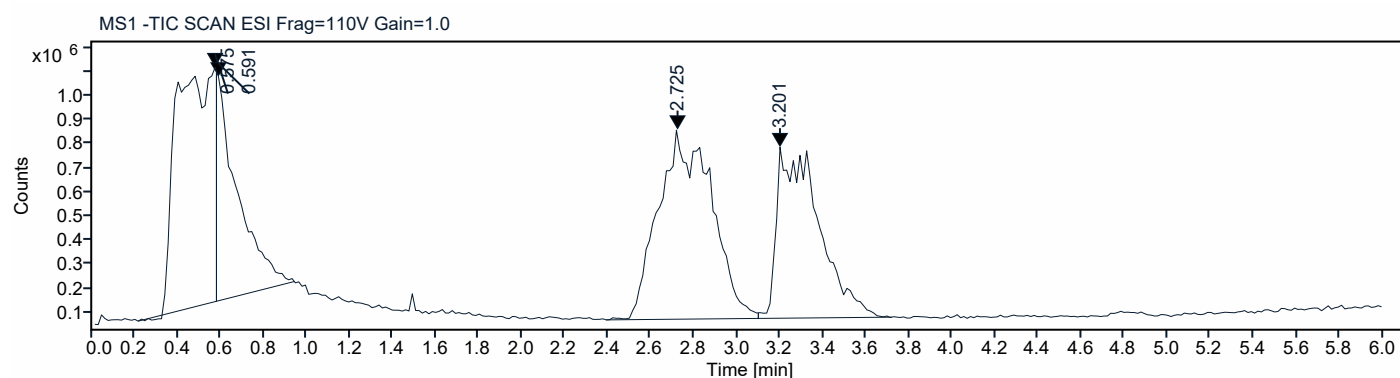
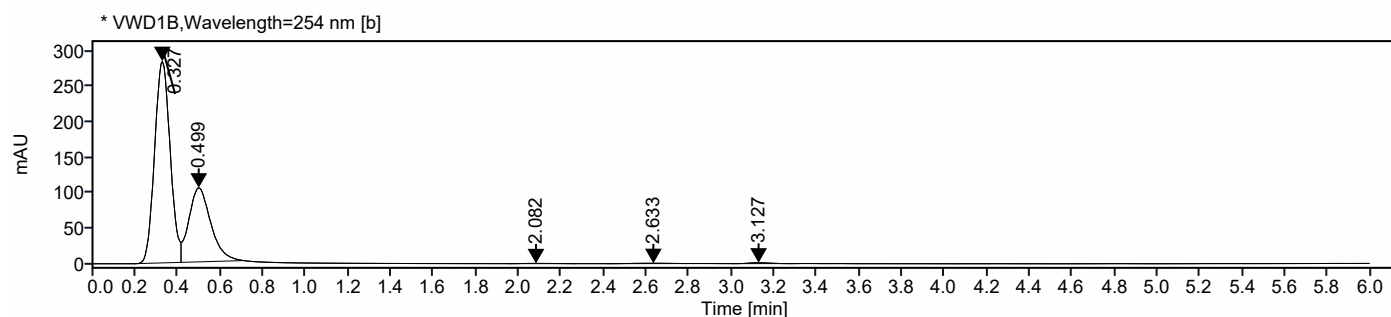
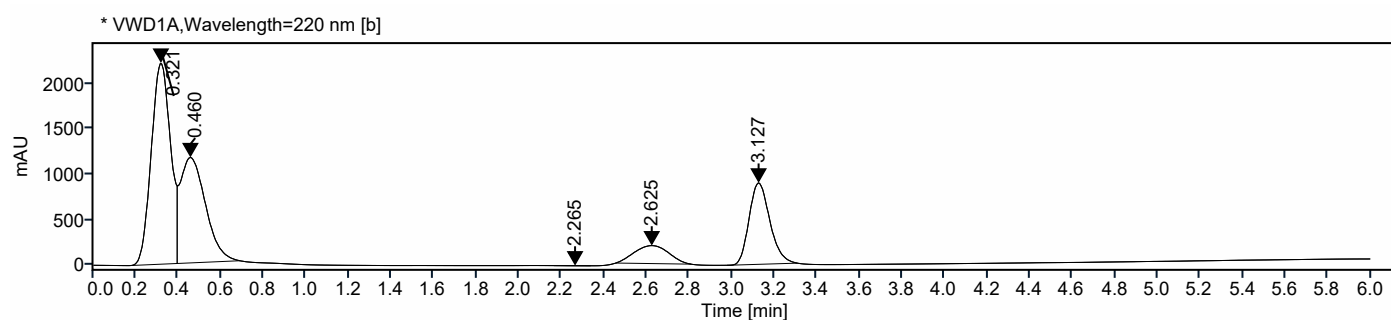
**Processing method:** LCMS-LJJ.pmx

**Project name:** 2026

**Operator:** admin

**Acquired on:** 2026-10-14 11:47:25+08:00

**Location:** P1-F8



Signal: MS1 +TIC SCAN ESI Frag=110V Gain=1.0

| RT [min] | Type | Width [min] | Area               | Height           | Area%   |
|----------|------|-------------|--------------------|------------------|---------|
| 0.475    | BM m | 0.3580      | 88798838.83<br>21  | 7656988.11<br>04 | 27.8317 |
| 0.599    | MM m | 0.3070      | 33600697.30<br>28  | 5506875.14<br>56 | 10.5313 |
| 2.729    | BV   | 0.6507      | 123393808.1<br>402 | 7580593.72<br>80 | 38.6746 |
| 3.238    | VB   | 0.5430      | 73263444.45<br>16  | 8735992.15<br>35 | 22.9625 |
| Sum      |      |             | 319056788.7<br>266 |                  |         |

Signal: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

| RT [min] | Type | Width [min] | Area              | Height      | Area%   |
|----------|------|-------------|-------------------|-------------|---------|
| 0.575    | BM m | 0.3637      | 11906307.77<br>30 | 973091.8266 | 28.7660 |
| 0.591    | MM m | 0.3615      | 6309452.16<br>71  | 930937.9855 | 15.2438 |
| 2.725    | BM m | 0.7074      | 13527962.69<br>13 | 787007.0245 | 32.6839 |
| 3.201    | MM m | 0.6200      | 9646509.51<br>85  | 709830.2366 | 23.3062 |
| Sum      |      |             | 41390232.14<br>98 |             |         |

Signal: \* VWD1A,Wavelength=220 nm [b]

| RT [min] | Type | Width [min] | Area       | Height    | Area%   |
|----------|------|-------------|------------|-----------|---------|
| 0.321    | MM m | 0.2174      | 13886.5201 | 2217.8165 | 43.6978 |
| 0.460    | MM m | 0.2941      | 9590.0778  | 1162.2983 | 30.1778 |
| 2.265    | MB n | 0.1722      | 1.1097     | 0.1718    | 0.0035  |
| 2.625    | MM m | 0.3538      | 2224.5913  | 197.9415  | 7.0003  |
| 3.127    | BM m | 0.3302      | 6076.2710  | 898.1984  | 19.1207 |
| Sum      |      |             | 31778.5701 |           |         |

Signal: \* VWD1B,Wavelength=254 nm [b]

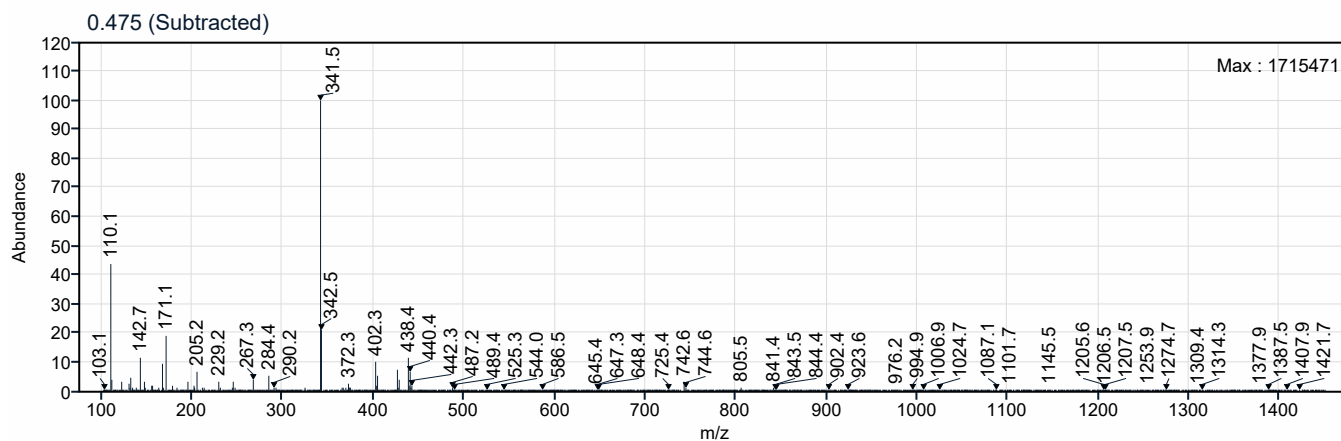
| RT [min] | Type | Width [min] | Area      | Height   | Area%   |
|----------|------|-------------|-----------|----------|---------|
| 0.327    | MM m | 0.2217      | 1444.4526 | 284.3697 | 65.3949 |
| 0.499    | MM m | 0.2941      | 748.2760  | 104.4591 | 33.8768 |
| 2.082    | MM m | 0.3240      | 3.1669    | 0.3086   | 0.1434  |
| 2.633    | MM m | 0.3836      | 4.9798    | 0.4214   | 0.2255  |
| 3.127    | MM m | 0.2899      | 7.9391    | 1.2046   | 0.3594  |
| Sum      |      |             | 2208.8144 |          |         |

## Peak Details (Area Percent at least 1%)

**Signal Description:** MS1 +TIC SCAN ESI Frag=110V Gain=1.0

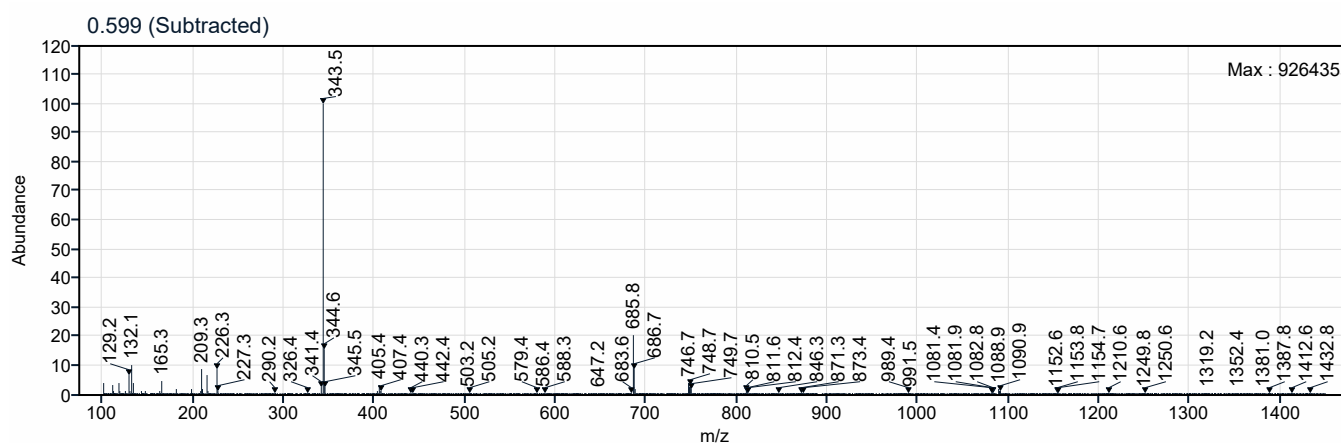
**Peak RT:** 0.475 min

**Area %:** 27.83%



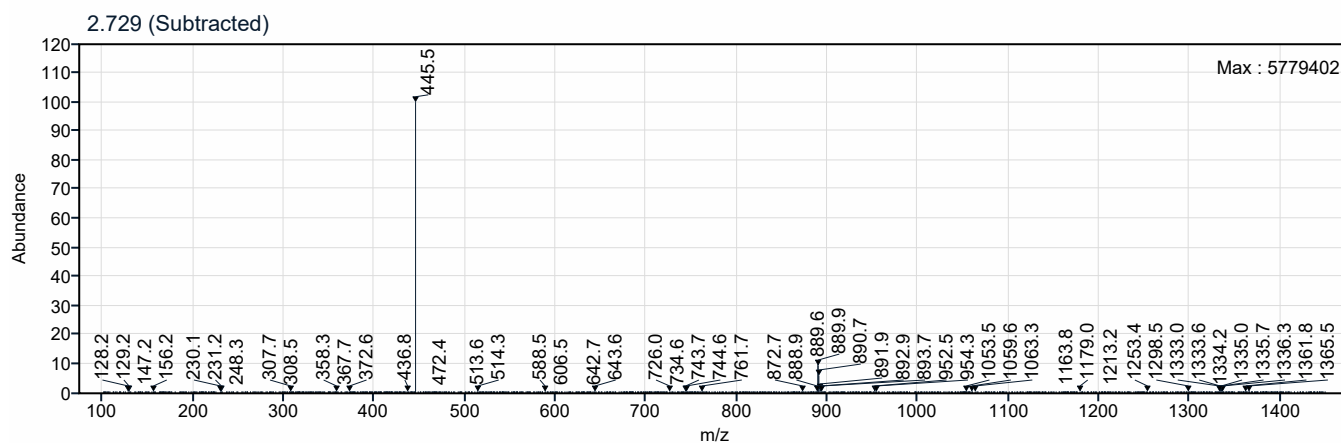
**Peak RT:** 0.599 min

**Area %:** 10.53%



**Peak RT:** 2.729 min

**Area %:** 38.67%

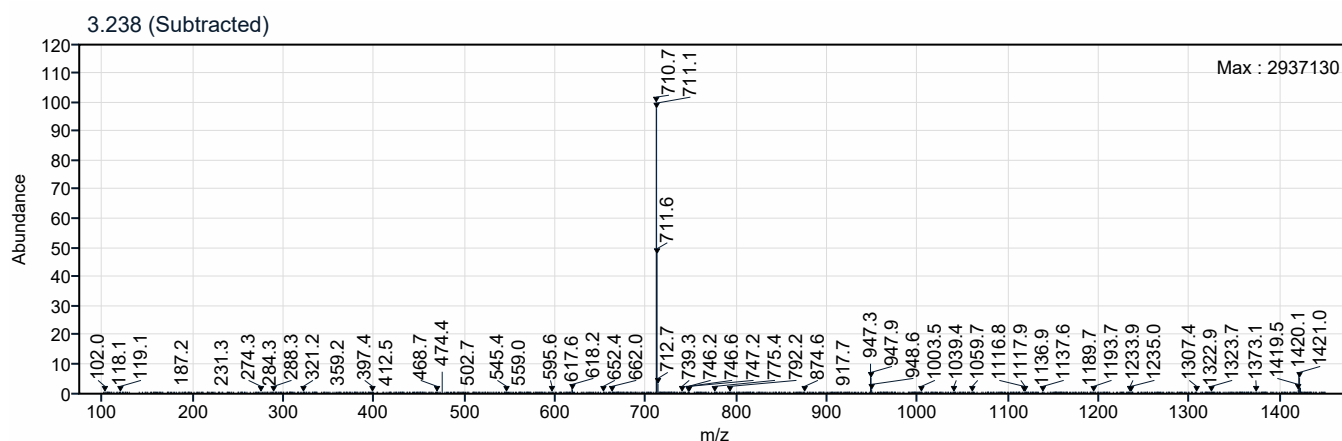


# LCMS Sample Purity - Detailed Report



Peak RT: 3.238 min

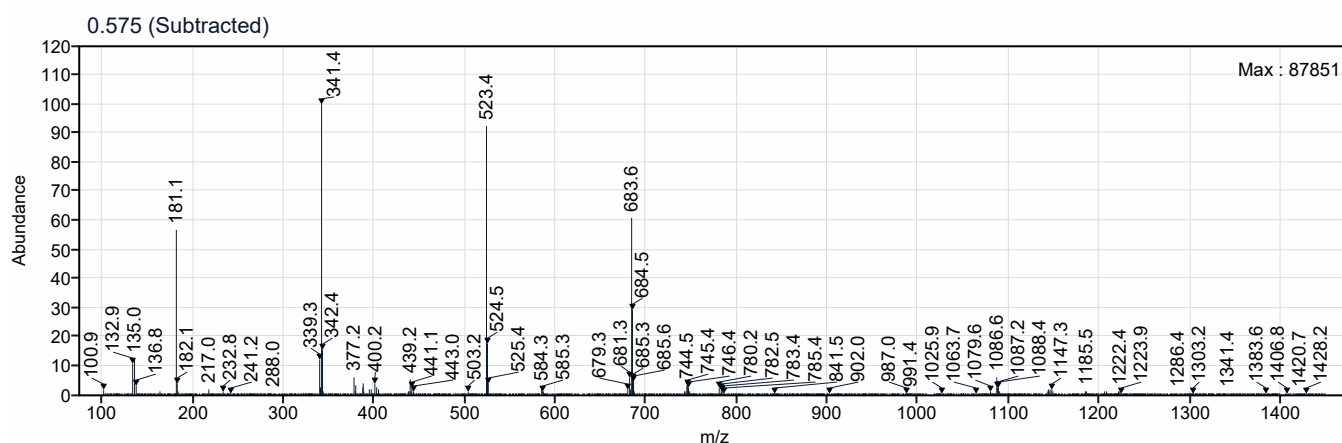
Area %: 22.96%



Signal Description: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

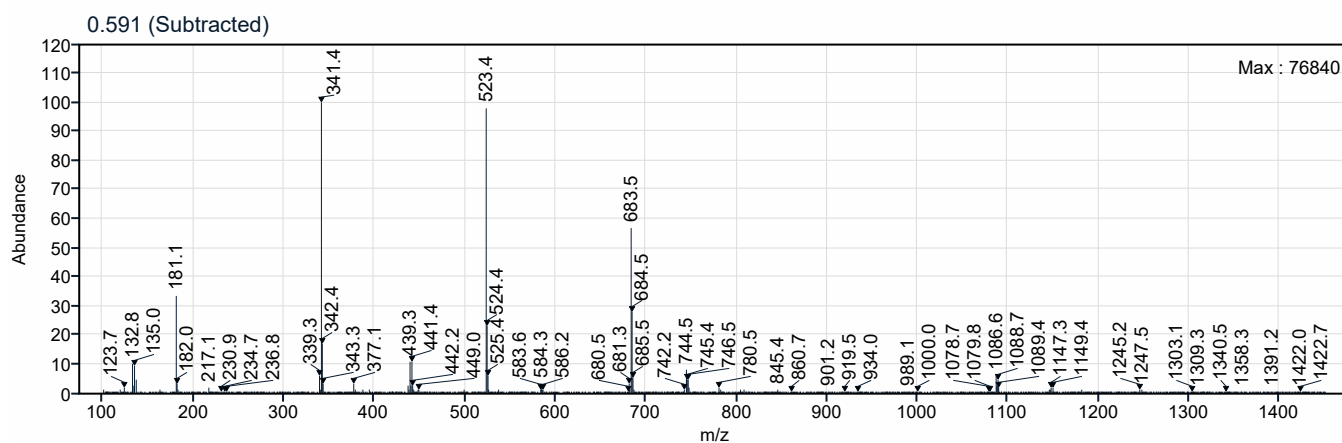
Peak RT: 0.575 min

Area %: 28.77%



Peak RT: 0.591 min

Area %: 15.24%

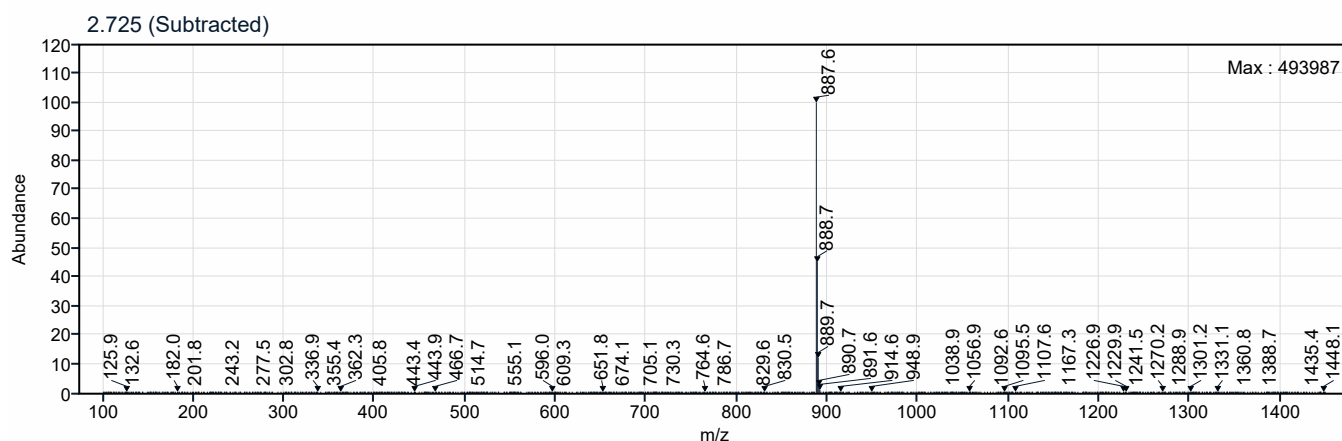


# LCMS Sample Purity - Detailed Report



Peak RT: 2.725 min

Area %: 32.68%



Peak RT: 3.201 min

Area %: 23.31%

