

Data file: D:\Chem32\6\Data\khlv498 2018-10-04 15-48-49\012-10-Spl 2365409.D

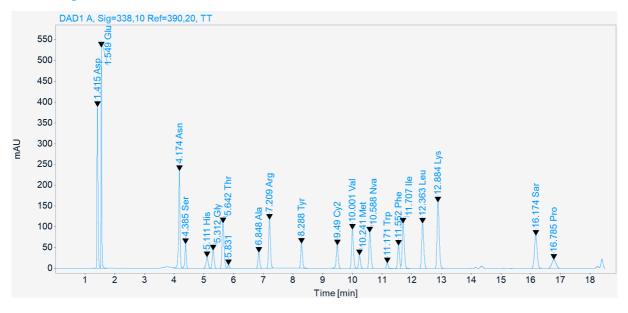
Sample name: Spl 2365409

**Description:** 

Sample amount: 0.000 Sample type: Sample

Instrument: LC\_QC\_HPLC-500025 **Location:** 10 10/4/2018 10:15:56 PM Injection date: Injection: 1 of 1 Acq. method: AAA\_ISTD.M Injection volume: Inj. program **Analysis method:** AAA ISTD.M Acq. operator: Seal, Christopher

Last changed: 10/11/2018 11:01:47 AM





| Signal:  | DAD  | 1 A, Sig=338 | ,10 Ref=390 | ,20, TT     |         |      |
|----------|------|--------------|-------------|-------------|---------|------|
| RT [min] | Type | Width [min]  | Are         | ea Height   | Area%   | Name |
| 1.415    | BV   | 0.039        | 983.351     | 16 388.2000 | 11.3352 | Asp  |
| 1.549    | VV   | 0.025        | 7 874.032   | 24 531.6689 | 10.0750 | Glu  |
| 4.174    | VV   | 0.0486       | 6 754.424   | 19 234.2354 | 8.6963  | Asn  |
| 4.385    | VB   | 0.051        | 1 197.740   | 08 58.9867  | 2.2794  | Ser  |
| 5.111    | BV   | 0.077        | 1 136.909   | 99 27.0405  | 1.5782  | His  |
| 5.312    | VB   | 0.072        | 2 200.215   | 55 43.1252  | 2.3079  | Gly  |
| 5.642    | BV   | 0.074        | 1 517.180   | 108.4412    | 5.9616  | Thr  |
| 5.831    | VB   | 0.065        | 6 32.533    | 7.5720      | 0.3750  |      |
| 6.848    | BB   | 0.0643       | 3 154.826   | 37.3784     | 1.7847  | Ala  |
| 7.209    | BB   | 0.065        | 3 492.118   | 39 116.4470 | 5.6727  | Arg  |
| 8.288    | BB   | 0.064        | 240.526     | 58.4964     | 2.7726  | Tyr  |
| 9.490    | VB   | 0.070        | 3 252.744   | 55.3203     | 2.9134  | Cy2  |
| 10.001   | BV   | 0.070        | 7 421.923   | 93.3944     | 4.8635  | Val  |
| 10.241   | VB   | 0.069        | 5 141.416   | 31.4497     | 1.6301  | Met  |
| 10.588   | BV   | 0.071        | 5 396.039   | 96 86.3185  | 4.5652  | Nva  |
| 11.171   | VB   | 0.0670       | 53.414      | 14 12.3080  | 0.6157  | Trp  |
| 11.552   | BV   | 0.068        | 7 242.193   | 32 54.6097  | 2.7918  | Phe  |
| 11.707   | VB   | 0.077        | 4 531.125   | 58 107.9649 | 6.1223  | lle  |
| 12.363   | BB   | 0.076        | 7 532.616   | 66 107.7381 | 6.1395  | Leu  |
| 12.884   | BB   | 0.079        | 9 815.182   | 26 158.8481 | 9.3967  | Lys  |
| 16.174   | PP   | 0.099        | 2 500.708   | 78.6903     | 5.7717  | Sar  |
| 16.785   | PPA  | 0.155        | 6 204.006   | 69 20.5829  | 2.3516  | Pro  |
|          |      |              |             |             |         |      |

8675.2323

Sum



Data file: D:\Chem32\6\Data\khlv498 2018-10-04 15-48-49\013-11-Spl 2365411.D

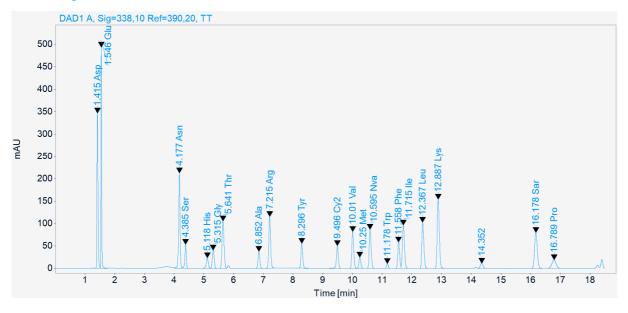
Sample name: Spl 2365411

**Description:** 

Sample amount: 0.000 Sample type: Sample

Instrument: LC\_QC\_HPLC-500025 **Location:** 11 10/4/2018 10:51:33 PM 1 of 1 Injection date: Injection: Acq. method: AAA\_ISTD.M Injection volume: Inj. program **Analysis method:** AAA\_ISTD.M Acq. operator: Seal, Christopher

Last changed: 10/11/2018 11:01:47 AM





| Signal:  | DAD  | 1 A, Sig=338,10 | Ref=390,20, | TT       |           |     |
|----------|------|-----------------|-------------|----------|-----------|-----|
| RT [min] | Type | Width [min]     | Area        | Height   | Area% N   | ame |
| 1.415    | BV   | 0.0398          | 883.5692    | 346.3751 | 10.8149 A | sp  |
| 1.546    | VV   | 0.0255          | 803.3768    | 493.4908 | 9.8333 G  | ilu |
| 4.177    | VV   | 0.0477          | 678.3849    | 212.5962 | 8.3034 A  | sn  |
| 4.385    | VB   | 0.0514          | 180.5326    | 52.8166  | 2.2097 S  | er  |
| 5.118    | BV   | 0.0769          | 115.9826    | 22.7732  | 1.4196 H  | is  |
| 5.315    | VB   | 0.0719          | 185.9995    | 40.2638  | 2.2766 G  | ily |
| 5.641    | BV   | 0.0742          | 501.5843    | 105.0602 | 6.1394 T  | hr  |
| 6.852    | ВВ   | 0.0649          | 154.8134    | 36.9448  | 1.8949 A  | la  |
| 7.215    | ВВ   | 0.0655          | 486.0449    | 114.5790 | 5.9492 A  | rg  |
| 8.296    | BV   | 0.0640          | 224.0624    | 54.4158  | 2.7425 T  | yr  |
| 9.496    | BV   | 0.0722          | 236.3751    | 49.9192  | 2.8932 C  | y2  |
| 10.010   | BV   | 0.0696          | 366.7113    | 81.3717  | 4.4885 V  | al  |
| 10.250   | VB   | 0.0695          | 111.1699    | 24.6856  | 1.3607 M  | let |
| 10.595   | BV   | 0.0715          | 396.6502    | 86.4713  | 4.8550 N  | va  |
| 11.178   | ВВ   | 0.0663          | 44.7380     | 10.3800  | 0.5476 T  | rp  |
| 11.558   | BV   | 0.0699          | 259.5805    | 58.3666  | 3.1773 P  | he  |
| 11.715   | VB   | 0.0759          | 467.7903    | 95.9371  | 5.7258 II | е   |
| 12.367   | ВВ   | 0.0773          | 501.6682    | 102.2005 | 6.1404 L  | eu  |
| 12.887   | ВВ   | 0.0811          | 791.9293    | 153.6714 | 9.6932 L  | ys  |
| 14.352   | VB   | 0.1040          | 75.8312     | 11.3452  | 0.9282    |     |
| 16.178   | VB   | 0.1074          | 513.5229    | 79.7154  | 6.2855 S  | ar  |
| 16.789   | ВВ   | 0.1684          | 189.6113    | 18.7677  | 2.3208 P  | ro  |
|          |      | Sum             | 8169.9290   |          |           |     |



Data file: D:\Chem32\6\Data\khlv498 2018-10-04 15-48-49\014-12-Spl 2365412.D

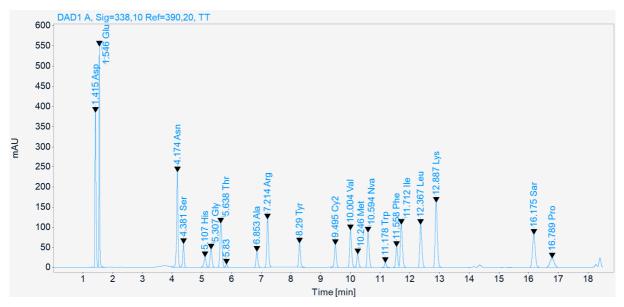
Sample name: Spl 2365412

**Description:** 

Sample amount: 0.000 Sample type: Sample

Instrument: LC\_QC\_HPLC-500025 **Location:** 12 10/4/2018 11:27:11 PM 1 of 1 Injection: Injection date: Acq. method: AAA\_ISTD.M Injection volume: Inj. program **Analysis method:** AAA ISTD.M Acq. operator: Seal, Christopher

Last changed: 10/11/2018 11:01:47 AM





| Signal:  | DAD  | 1 A, Sig=338,1 | 0 Ref=390,2 | O, TT    |         |      |
|----------|------|----------------|-------------|----------|---------|------|
| RT [min] | Type | Width [min]    | Area        | Height   | Area%   | Name |
| 1.415    | BV   | 0.0399         | 987.0328    | 384.8479 | 11.2504 | Asp  |
| 1.546    | VB   | 0.0256         | 899.2341    | 549.4435 | 10.2497 | Glu  |
| 4.174    | VV   | 0.0482         | 753.8480    | 236.5747 | 8.5925  | Asn  |
| 4.381    | VB   | 0.0511         | 197.3002    | 58.1379  | 2.2489  | Ser  |
| 5.107    | BV   | 0.0775         | 131.4150    | 25.5438  | 1.4979  | His  |
| 5.307    | VB   | 0.0731         | 210.1892    | 44.8788  | 2.3958  | Gly  |
| 5.638    | BV   | 0.0749         | 525.6618    | 108.8115 | 5.9916  | Thr  |
| 5.830    | VB   | 0.0681         | 31.7707     | 7.2601   | 0.3621  |      |
| 6.853    | ВВ   | 0.0647         | 163.2722    | 39.1280  | 1.8610  | Ala  |
| 7.214    | BV   | 0.0653         | 503.1742    | 119.1185 | 5.7353  | Arg  |
| 8.290    | BV   | 0.0631         | 242.7117    | 58.8615  | 2.7665  | Tyr  |
| 9.495    | VB   | 0.0703         | 253.7544    | 55.5542  | 2.8923  | Cy2  |
| 10.004   | BV   | 0.0711         | 422.1044    | 92.7758  | 4.8112  | Val  |
| 10.246   | VB   | 0.0698         | 148.3508    | 32.7792  | 1.6909  | Met  |
| 10.594   | BV   | 0.0717         | 398.4693    | 86.6377  | 4.5418  | Nva  |
| 11.178   | VB   | 0.0677         | 49.9123     | 11.4966  | 0.5689  | Trp  |
| 11.558   | BV   | 0.0694         | 225.3459    | 51.1102  | 2.5685  | Phe  |
| 11.712   | VB   | 0.0762         | 519.8417    | 106.1081 | 5.9253  | lle  |
| 12.367   | BB   | 0.0775         | 523.3411    | 106.2183 | 5.9652  | Leu  |
| 12.887   | BB   | 0.0804         | 833.2639    | 160.9261 | 9.4977  | Lys  |
| 16.175   | VB   | 0.1077         | 527.1100    | 81.5500  | 6.0081  | Sar  |
| 16.789   | BB   | 0.1688         | 226.1922    | 22.3333  | 2.5782  | Pro  |
|          |      | Sum            | 8773.2959   |          |         |      |



Data file: D:\Chem32\6\Data\khlv498 2018-10-04 15-48-49\016-14-Spl 2373126.D

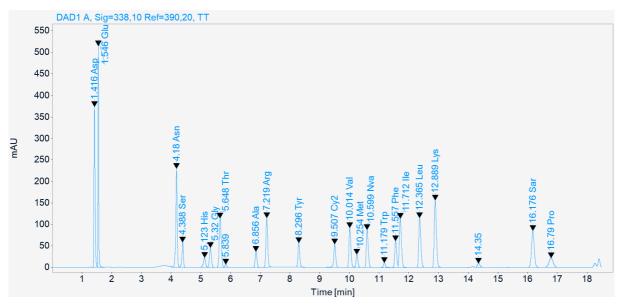
Sample name: Spl 2373126

**Description:** 

Sample amount: 0.000 Sample type: Sample

Instrument: LC\_QC\_HPLC-500025 **Location:** 14 10/5/2018 12:38:27 AM Injection: 1 of 1 Injection date: Acq. method: AAA\_ISTD.M Injection volume: Inj. program **Analysis method:** AAA\_ISTD.M Acq. operator: Seal, Christopher

Last changed: 10/11/2018 11:01:47 AM





| Signal: | DAD | 1 A, Sig=338,1 | 0 Ref=390 20 | D. TT    |         |      |
|---------|-----|----------------|--------------|----------|---------|------|
|         |     | Width [min]    | Area         | Height   | Area%   | Name |
| 1.416   |     | 0.0404         | 973.8282     |          | 11.0390 |      |
| 1.546   | VV  | 0.0250         | 838.3879     | 515.4594 | 9.5037  | •    |
| 4.180   | VV  | 0.0484         | 734.9557     | 229.1604 | 8.3312  | Asn  |
| 4.388   | VB  | 0.0517         | 201.4514     | 58.4118  | 2.2836  | Ser  |
| 5.123   | BV  | 0.0778         | 116.5692     | 22.5485  | 1.3214  | His  |
| 5.320   | VB  | 0.0729         | 211.4836     | 45.3520  | 2.3973  | Gly  |
| 5.648   | BV  | 0.0751         | 548.8895     | 114.1635 | 6.2220  | Thr  |
| 5.839   | VB  | 0.0673         | 30.8529      | 7.0836   | 0.3497  |      |
| 6.856   | ВВ  | 0.0647         | 151.6339     | 36.3239  | 1.7189  | Ala  |
| 7.219   | BV  | 0.0654         | 484.2776     | 114.3950 | 5.4896  | Arg  |
| 8.296   | VB  | 0.0647         | 235.2163     | 56.3418  | 2.6663  | Tyr  |
| 9.507   | BV  | 0.0728         | 255.8727     | 53.5395  | 2.9005  | Cy2  |
| 10.014  | BV  | 0.0698         | 416.5887     | 92.0113  | 4.7223  | Val  |
| 10.254  | VB  | 0.0693         | 134.1141     | 29.9374  | 1.5203  | Met  |
| 10.599  | BV  | 0.0715         | 400.8670     | 87.4685  | 4.5441  | Nva  |
| 11.179  | VB  | 0.0678         | 48.3668      | 11.1041  | 0.5483  | Trp  |
| 11.557  | BV  | 0.0698         | 272.3839     | 61.2976  | 3.0877  | Phe  |
| 11.712  | VB  | 0.0767         | 562.3680     | 113.6561 | 6.3748  | lle  |
| 12.365  | ВВ  | 0.0780         | 571.2078     | 114.8594 | 6.4750  | Leu  |
| 12.889  | ВВ  | 0.0800         | 802.6459     | 155.9590 | 9.0985  | Lys  |
| 14.350  | VB  | 0.1051         | 63.4580      | 9.3562   | 0.7193  |      |
| 16.176  | VB  | 0.1078         | 549.2325     | 84.9189  | 6.2259  | Sar  |
| 16.790  | BB  | 0.1689         | 217.0614     | 21.4167  | 2.4605  | Pro  |
|         |     | Sum            | 8821.7130    |          |         |      |



Data file: D:\Chem32\6\Data\khlv498 2018-10-04 15-48-49\017-15-Spl 2373127.D

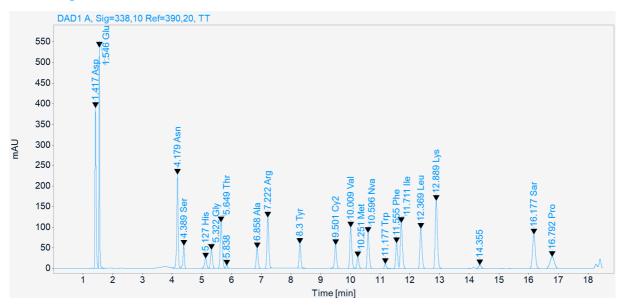
Sample name: Spl 2373127

**Description:** 

Sample amount: 0.000 Sample type: Sample

Instrument: LC\_QC\_HPLC-500025 **Location:** 15 10/5/2018 1:14:06 AM 1 of 1 Injection: Injection date: Acq. method: AAA\_ISTD.M Injection volume: Inj. program **Analysis method:** AAA\_ISTD.M Acq. operator: Seal, Christopher

Last changed: 10/11/2018 11:01:47 AM





| Signal:  | DAD  | 1 A, Sig=338,1 | 10 Ref=390,20 | 0, TT    |         |      |
|----------|------|----------------|---------------|----------|---------|------|
| RT [min] | Туре | Width [min]    | Area          | Height   | Area%   | Name |
| 1.417    | BV   | 0.0413         | 1031.0494     | 389.9458 | 11.4554 | Asp  |
| 1.546    | VV   | 0.0256         | 880.8319      | 537.0398 | 9.7864  | Glu  |
| 4.179    | VV   | 0.0485         | 733.8273      | 228.3077 | 8.1531  | Asn  |
| 4.389    | VB   | 0.0515         | 190.7579      | 55.6570  | 2.1194  | Ser  |
| 5.127    | BV   | 0.0777         | 126.3234      | 24.7050  | 1.4035  | His  |
| 5.322    | VB   | 0.0719         | 208.1090      | 45.0517  | 2.3122  | Gly  |
| 5.649    | BV   | 0.0745         | 535.4328      | 111.5961 | 5.9489  | Thr  |
| 5.838    | VB   | 0.0672         | 31.8670       | 7.3372   | 0.3541  |      |
| 6.858    | BB   | 0.0655         | 204.4065      | 48.7130  | 2.2710  | Ala  |
| 7.222    | BV   | 0.0654         | 522.1264      | 123.3162 | 5.8011  | Arg  |
| 8.300    | BV   | 0.0642         | 243.0340      | 58.8792  | 2.7002  | Tyr  |
| 9.501    | VB   | 0.0706         | 259.5855      | 56.4706  | 2.8841  | Cy2  |
| 10.009   | BV   | 0.0703         | 455.1112      | 99.6454  | 5.0565  | Val  |
| 10.251   | VB   | 0.0686         | 125.4384      | 27.7972  | 1.3937  | Met  |
| 10.596   | BV   | 0.0715         | 395.3584      | 86.2566  | 4.3926  | Nva  |
| 11.177   | BB   | 0.0672         | 47.9160       | 11.1421  | 0.5324  | Trp  |
| 11.555   | BV   | 0.0689         | 275.1737      | 61.8169  | 3.0573  | Phe  |
| 11.711   | VB   | 0.0766         | 547.7215      | 110.9578 | 6.0854  | lle  |
| 12.369   | BB   | 0.0762         | 475.3564      | 96.8934  | 5.2814  | Leu  |
| 12.889   | BB   | 0.0814         | 849.3513      | 163.9254 | 9.4367  | Lys  |
| 14.355   | VB   | 0.1059         | 53.6870       | 7.8426   | 0.5965  |      |
| 16.177   | BP   | 0.0999         | 527.4157      | 82.1009  | 5.8598  | Sar  |
| 16.792   | PP   | 0.1565         | 280.6637      | 28.0964  | 3.1183  | Pro  |
|          |      | _              |               |          |         |      |

9000.5445

Sum



Data file: D:\Chem32\6\Data\khlv498 2018-10-04 15-48-49\018-16-Spl 2373128.D

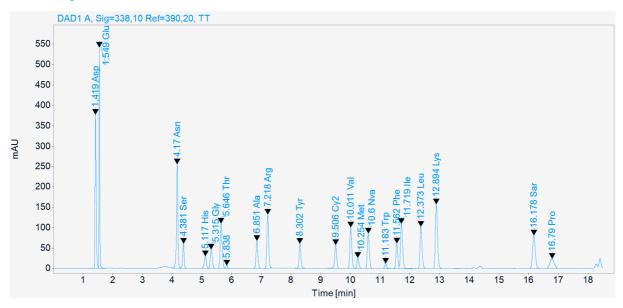
Sample name: Spl 2373128

**Description:** 

Sample amount: 0.000 Sample type: Sample

Instrument: LC\_QC\_HPLC-500025 **Location:** 16 10/5/2018 1:49:47 AM Injection date: Injection: 1 of 1 Acq. method: AAA\_ISTD.M Injection volume: Inj. program **Analysis method:** AAA\_ISTD.M Acq. operator: Seal, Christopher

Last changed: 10/11/2018 11:01:47 AM





| Signal:  | DAD  | 1 A, Sig=338,1 | 10 Ref=390,20 | O, TT    |         |      |
|----------|------|----------------|---------------|----------|---------|------|
| RT [min] | Туре | Width [min]    | Area          | Height   | Area%   | Name |
| 1.419    | BV   | 0.0418         | 1011.2397     | 376.8358 | 11.0517 | Asp  |
| 1.549    | VV   | 0.0258         | 897.6645      | 542.1606 | 9.8105  | Glu  |
| 4.170    | VV   | 0.0481         | 822.3389      | 255.4434 | 8.9873  | Asn  |
| 4.381    | VB   | 0.0509         | 205.3324      | 60.8527  | 2.2441  | Ser  |
| 5.117    | BV   | 0.0778         | 153.6341      | 29.9730  | 1.6791  | His  |
| 5.315    | VB   | 0.0730         | 218.7661      | 46.8431  | 2.3909  | Gly  |
| 5.646    | BV   | 0.0744         | 527.4874      | 110.1423 | 5.7649  | Thr  |
| 5.838    | VB   | 0.0663         | 32.7022       | 7.5780   | 0.3574  |      |
| 6.851    | ВВ   | 0.0652         | 285.0129      | 67.5908  | 3.1149  | Ala  |
| 7.218    | ВВ   | 0.0654         | 556.5970      | 131.3529 | 6.0830  | Arg  |
| 8.302    | VV   | 0.0655         | 254.2972      | 59.9599  | 2.7792  | Tyr  |
| 9.506    | BV   | 0.0728         | 274.9664      | 57.5186  | 3.0051  | Cy2  |
| 10.011   | BV   | 0.0714         | 462.6269      | 101.0247 | 5.0560  | Val  |
| 10.254   | VB   | 0.0702         | 120.3158      | 26.3648  | 1.3149  | Met  |
| 10.600   | BV   | 0.0716         | 395.2514      | 85.9670  | 4.3197  | Nva  |
| 11.183   | ВВ   | 0.0673         | 52.7944       | 12.2543  | 0.5770  | Trp  |
| 11.562   | BV   | 0.0699         | 274.9763      | 61.7702  | 3.0052  | Phe  |
| 11.719   | VB   | 0.0765         | 537.3071      | 108.9703 | 5.8722  | lle  |
| 12.373   | BB   | 0.0763         | 500.9357      | 101.9336 | 5.4747  | Leu  |
| 12.894   | BB   | 0.0801         | 808.5869      | 156.9266 | 8.8370  | Lys  |
| 16.178   | VB   | 0.1074         | 520.5390      | 80.7426  | 5.6889  | Sar  |
| 16.790   | BP   | 0.1592         | 236.6866      | 23.3637  | 2.5867  | Pro  |
|          |      | Sum            | 9150.0588     |          |         |      |