

Peak Analysis

Sequence Details

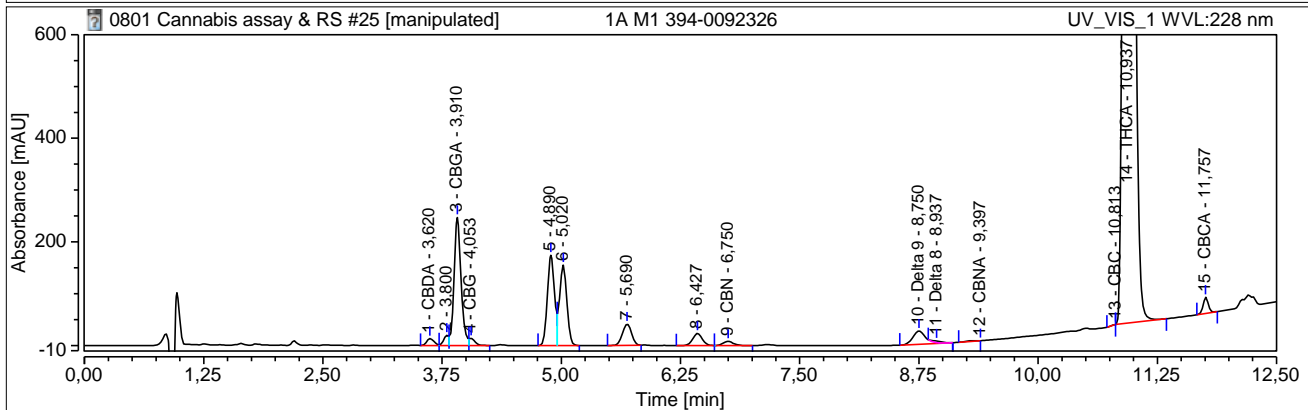
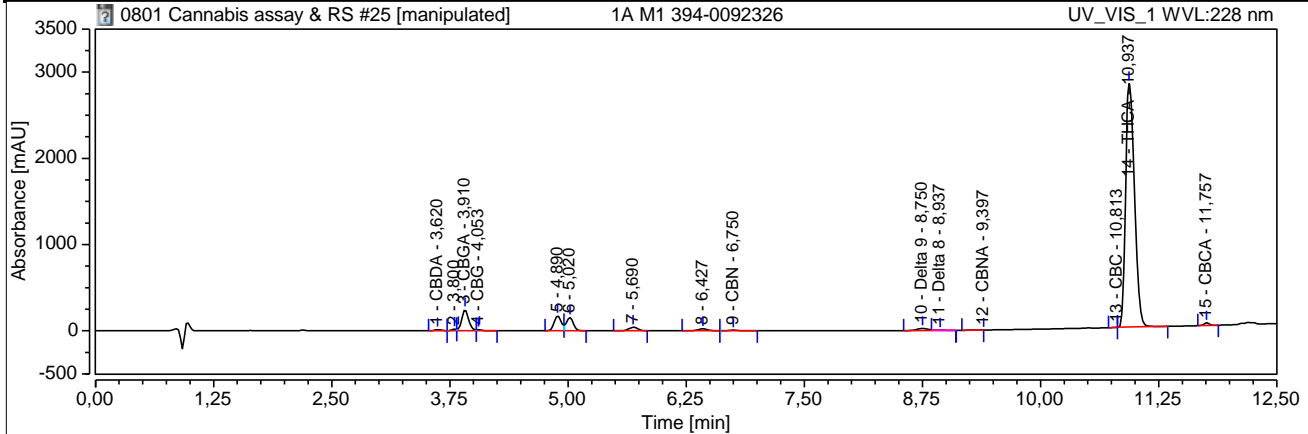
Data QC\Sequences\394\2016\0801 Cannabis assay & RS

Printed by/on: **mele** 30-jul-18 14:12

Injection Details

| | |
|--|------------------------------------|
| Injection Name: 1A M1 394-0092326 | Injection Number: 25 |
| Vial Number: RC1 | Injection Type: Unknown |
| Instrument Method: Cannabis Assay and RS 20151031 | Calibration Level: |
| Processing Method: Cannabis assay and RS | Chromatogram version: 2 |
| Injection Date/Time: 01-aug-16 21:31 | Chromatogram is manipulated |
| Update Date/Time/User: 02-aug-16 06:42 alha | |
| Comment: 703-012 | |

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|-----------------|--------------------|----------------------|----------------------------|
| 1 | CBDA | 3,62 | 1,15641 | 13,2873 | 0,31 | 0,37 | 0,08 |
| 2 | | 3,80 | 1,15597 | 19,6219 | 0,31 | 0,55 | n.a. |
| 3 | CBGA | 3,91 | 20,73584 | 247,0424 | 5,50 | 6,90 | 0,07 |
| 4 | CBG | 4,05 | 0,95047 | 13,6099 | 0,25 | 0,38 | n.a. |
| 5 | | 4,89 | 14,91154 | 174,2869 | 3,95 | 4,87 | 0,08 |
| 6 | | 5,02 | 13,72919 | 155,1510 | 3,64 | 4,33 | 0,09 |
| 7 | | 5,69 | 4,56050 | 41,2583 | 1,21 | 1,15 | 0,10 |
| 8 | | 6,43 | 2,76810 | 23,7525 | 0,73 | 0,66 | 0,11 |
| 9 | CBN | 6,75 | 1,05816 | 8,3687 | 0,28 | 0,23 | 0,11 |
| 10 | Delta 9 | 8,75 | 4,00838 | 25,8632 | 1,06 | 0,72 | 0,14 |
| 11 | Delta 8 | 8,94 | 0,40705 | 3,3029 | 0,11 | 0,09 | n.a. |
| 12 | CBNA | 9,40 | 0,13382 | 0,0000 | 0,04 | 0,00 | n.a. |
| 13 | CBC | 10,81 | 0,03023 | 0,0000 | 0,01 | 0,00 | n.a. |
| 14 | THCA | 10,94 | 309,44267 | 2825,6438 | 82,06 | 78,88 | 0,10 |
| 15 | CBCA | 11,76 | 2,04806 | 31,2296 | 0,54 | 0,87 | 0,06 |
| Total: | | | 377,096 | 3582,418 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|--------|-------------|------|
| 1 | CBDA | 3,62 | n.a. | n.a. | 16,70 | 10572 | n.a. |
| 2 | | 3,80 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 3 | CBGA | 3,91 | n.a. | n.a. | 310,41 | 15176 | n.a. |
| 4 | CBG | 4,05 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 5 | | 4,89 | 0,91 | n.a. | 218,99 | 19429 | n.a. |
| 6 | | 5,02 | 4,15 | n.a. | 194,95 | 18581 | n.a. |
| 7 | | 5,69 | 4,14 | 0,97 | 110,02 | 16585 | n.a. |

| | | | | | | | |
|----|---------|-------|------|------|---------|--------|------|
| 8 | | 6,43 | 1,74 | 1,05 | 22,47 | 20461 | n.a. |
| 9 | CBN | 6,75 | 9,51 | 1,09 | 7,92 | 19747 | n.a. |
| 10 | Delta 9 | 8,75 | n.a. | 1,20 | 13,49 | 23200 | n.a. |
| 11 | Delta 8 | 8,94 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 12 | CBNA | 9,40 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 13 | CBC | 10,81 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 14 | THCA | 10,94 | 5,93 | 1,31 | 1473,66 | 62877 | n.a. |
| 15 | CBCA | 11,76 | n.a. | 1,05 | 185,54 | 209660 | n.a. |

Peak Analysis

Sequence Details

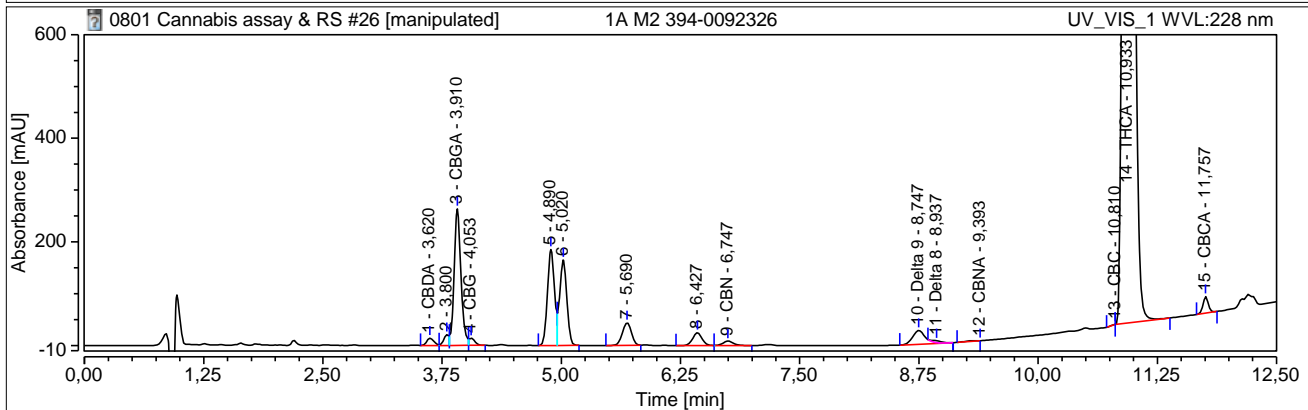
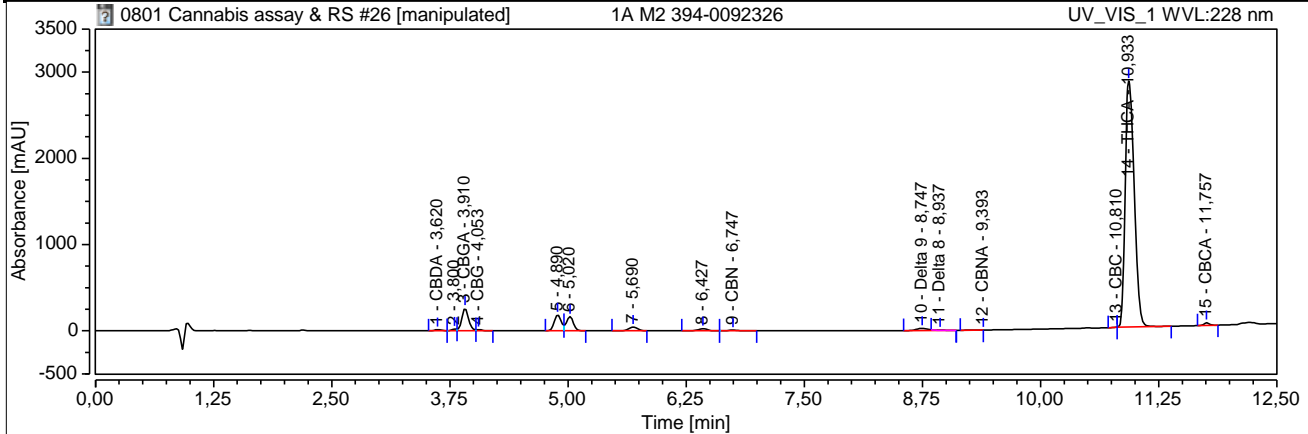
Data QC\Sequences\394\2016\0801 Cannabis assay & RS

Printed by/on: **mele** 30-jul-18 14:12

Injection Details

| | |
|--|------------------------------------|
| Injection Name: 1A M2 394-0092326 | Injection Number: 26 |
| Vial Number: RC2 | Injection Type: Unknown |
| Instrument Method: Cannabis Assay and RS 20151031 | Calibration Level: |
| Processing Method: Cannabis assay and RS | Chromatogram version: 2 |
| Injection Date/Time: 01-aug-16 21:49 | Chromatogram is manipulated |
| Update Date/Time/User: 02-aug-16 06:42 alha | |
| Comment: 703-012 | |

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|-----------------|--------------------|----------------------|----------------------------|
| 1 | CBDA | 3,62 | 1,20485 | 14,0516 | 0,31 | 0,38 | 0,08 |
| 2 | | 3,80 | 1,27010 | 20,8725 | 0,33 | 0,57 | n.a. |
| 3 | CBGA | 3,91 | 21,54820 | 263,6071 | 5,55 | 7,21 | 0,07 |
| 4 | CBG | 4,05 | 0,98364 | 13,7862 | 0,25 | 0,38 | n.a. |
| 5 | | 4,89 | 15,64595 | 185,4482 | 4,03 | 5,07 | 0,08 |
| 6 | | 5,02 | 14,31716 | 164,8531 | 3,68 | 4,51 | 0,08 |
| 7 | | 5,69 | 4,77415 | 43,5687 | 1,23 | 1,19 | 0,10 |
| 8 | | 6,43 | 2,86534 | 24,8864 | 0,74 | 0,68 | 0,10 |
| 9 | CBN | 6,75 | 1,09905 | 8,7810 | 0,28 | 0,24 | 0,11 |
| 10 | Delta 9 | 8,75 | 4,10765 | 26,8234 | 1,06 | 0,73 | 0,13 |
| 11 | Delta 8 | 8,94 | 0,44722 | 3,5852 | 0,12 | 0,10 | n.a. |
| 12 | CBNA | 9,39 | 0,14396 | 0,0000 | 0,04 | 0,00 | n.a. |
| 13 | CBC | 10,81 | 0,02583 | 0,0000 | 0,01 | 0,00 | n.a. |
| 14 | THCA | 10,93 | 318,02375 | 2854,0113 | 81,85 | 78,05 | 0,10 |
| 15 | CBCA | 11,76 | 2,10557 | 32,1893 | 0,54 | 0,88 | 0,06 |
| Total: | | | 388,562 | 3656,464 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|--------|-------------|------|
| 1 | CBDA | 3,62 | n.a. | n.a. | 17,06 | 10943 | n.a. |
| 2 | | 3,80 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 3 | CBGA | 3,91 | n.a. | n.a. | 320,05 | 15781 | n.a. |
| 4 | CBG | 4,05 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 5 | | 4,89 | 0,93 | n.a. | 225,16 | 20103 | n.a. |
| 6 | | 5,02 | 4,22 | n.a. | 200,15 | 19655 | n.a. |
| 7 | | 5,69 | 4,18 | 0,95 | 114,76 | 16855 | n.a. |

| | | | | | | | |
|----|---------|-------|------|------|---------|--------|------|
| 8 | | 6,43 | 1,75 | 1,03 | 22,63 | 20894 | n.a. |
| 9 | CBN | 6,75 | 9,61 | 1,11 | 7,98 | 20241 | n.a. |
| 10 | Delta 9 | 8,75 | n.a. | 1,20 | 13,47 | 23654 | n.a. |
| 11 | Delta 8 | 8,94 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 12 | CBNA | 9,39 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 13 | CBC | 10,81 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 14 | THCA | 10,93 | 5,88 | 1,30 | 1432,68 | 60102 | n.a. |
| 15 | CBCA | 11,76 | n.a. | 1,03 | 224,93 | 210029 | n.a. |

Peak Analysis

Sequence Details

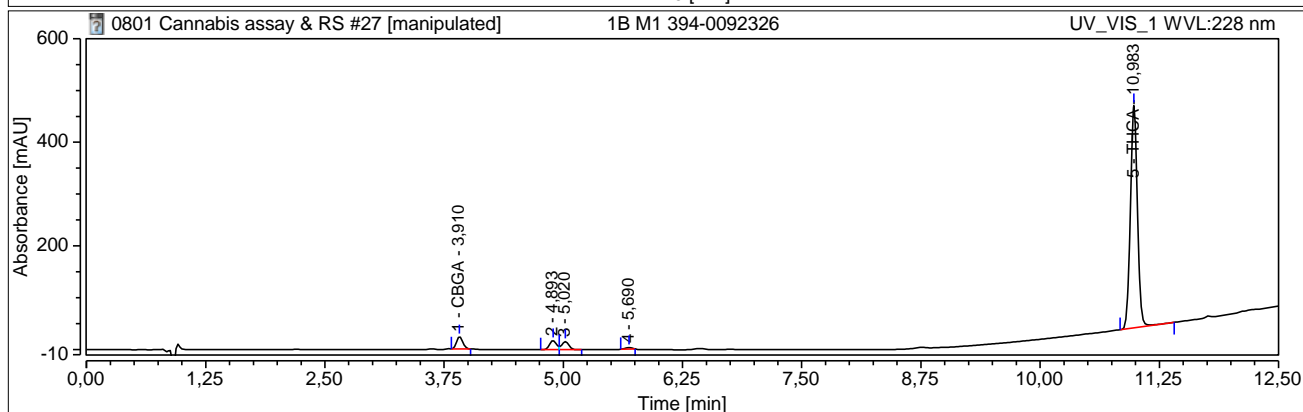
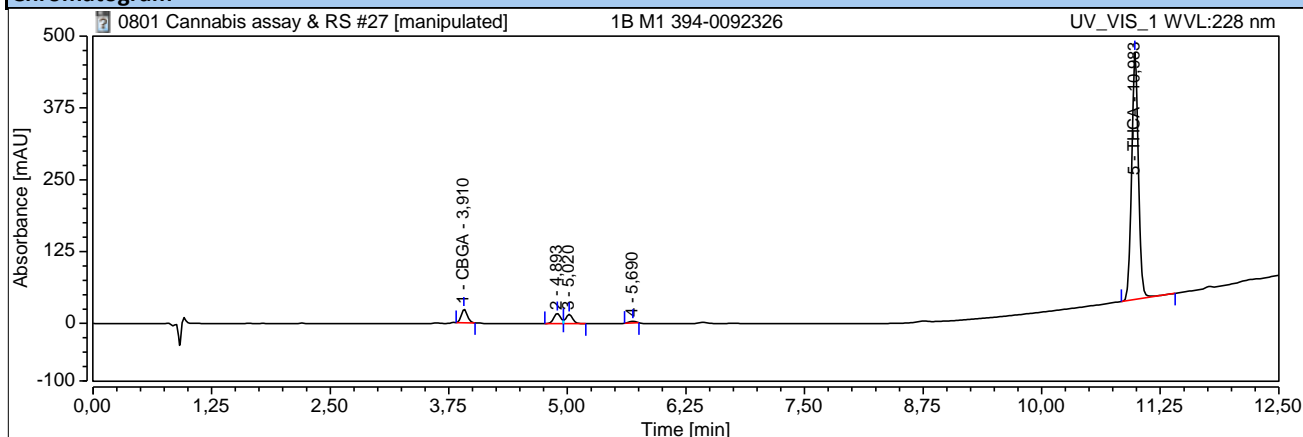
Data QC\Sequences\394\2016\0801 Cannabis assay & RS

Printed by/on: **mele** 30-jul-18 14:12

Injection Details

| | |
|--|------------------------------------|
| Injection Name: 1B M1 394-0092326 | Injection Number: 27 |
| Vial Number: RC3 | Injection Type: Unknown |
| Instrument Method: Cannabis Assay and RS 20151031 | Calibration Level: |
| Processing Method: Cannabis assay and RS | Chromatogram version: 2 |
| Injection Date/Time: 01-aug-16 22:08 | Chromatogram is manipulated |
| Update Date/Time/User: 02-aug-16 06:43 alha | |
| Comment: 703-012 | |

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|----------------|--------------------|----------------------|----------------------------|
| 1 | CBGA | 3,91 | 1,78518 | 23,7227 | 4,35 | 4,85 | 0,07 |
| 2 | | 4,89 | 1,47980 | 17,7027 | 3,61 | 3,62 | 0,08 |
| 3 | | 5,02 | 1,37673 | 15,9177 | 3,36 | 3,25 | 0,08 |
| 4 | | 5,69 | 0,25973 | 3,0748 | 0,63 | 0,63 | 0,09 |
| 5 | THCA | 10,98 | 36,10537 | 428,9943 | 88,05 | 87,66 | 0,08 |
| Total: | | | 41,007 | 489,412 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|--------|-------------|------|
| 1 | CBGA | 3,91 | 7,69 | 1,16 | 28,66 | 17020 | n.a. |
| 2 | | 4,89 | 0,91 | n.a. | 28,43 | 20543 | n.a. |
| 3 | | 5,02 | 4,69 | n.a. | 25,56 | 20231 | n.a. |
| 4 | | 5,69 | 38,43 | 0,88 | 2,54 | 24596 | n.a. |
| 5 | THCA | 10,98 | n.a. | 1,03 | 281,63 | 112312 | n.a. |

Peak Analysis

Sequence Details

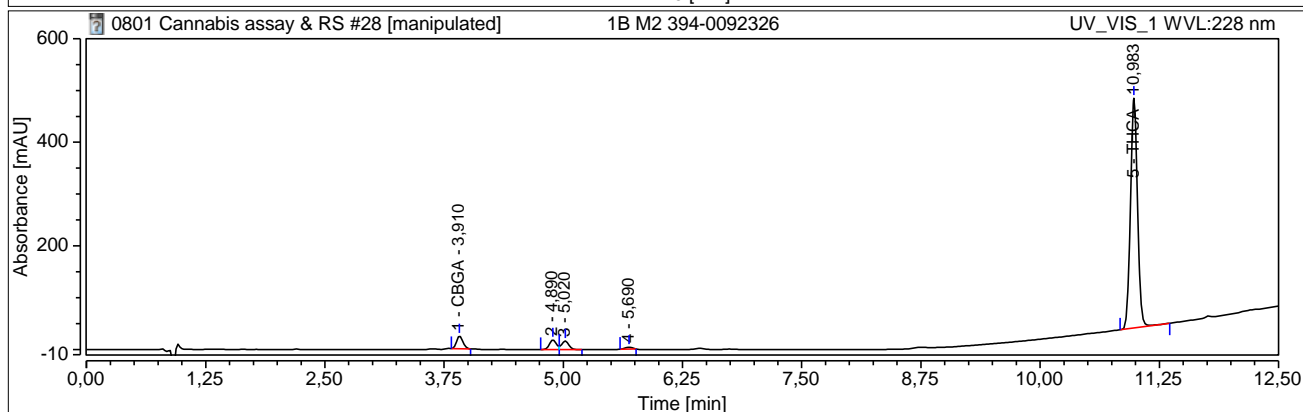
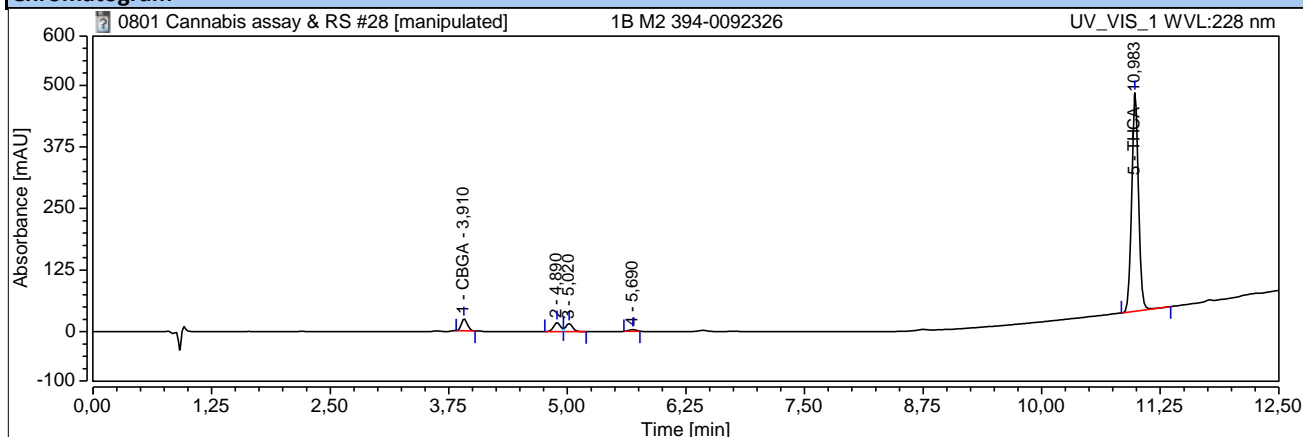
Data QC\Sequences\394\2016\0801 Cannabis assay & RS

Printed by/on: **mele** 30-jul-18 14:12

Injection Details

| | |
|--|------------------------------------|
| Injection Name: 1B M2 394-0092326 | Injection Number: 28 |
| Vial Number: RC4 | Injection Type: Unknown |
| Instrument Method: Cannabis Assay and RS 20151031 | Calibration Level: |
| Processing Method: Cannabis assay and RS | Chromatogram version: 2 |
| Injection Date/Time: 01-aug-16 22:27 | Chromatogram is manipulated |
| Update Date/Time/User: 02-aug-16 06:43 alha | |
| Comment: 703-012 | |

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|----------------|--------------------|----------------------|----------------------------|
| 1 | CBGA | 3,91 | 1,86693 | 24,8045 | 4,38 | 4,89 | 0,07 |
| 2 | | 4,89 | 1,54720 | 18,4874 | 3,63 | 3,65 | 0,08 |
| 3 | | 5,02 | 1,42305 | 16,5407 | 3,34 | 3,26 | 0,08 |
| 4 | | 5,69 | 0,32419 | 3,5788 | 0,76 | 0,71 | 0,09 |
| 5 | THCA | 10,98 | 37,48557 | 443,5607 | 87,90 | 87,49 | 0,08 |
| Total: | | | 42,647 | 506,972 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|--------|-------------|------|
| 1 | CBGA | 3,91 | 7,69 | 1,16 | 29,18 | 17065 | n.a. |
| 2 | | 4,89 | 0,94 | n.a. | 30,30 | 20698 | n.a. |
| 3 | | 5,02 | 4,54 | n.a. | 27,11 | 20041 | n.a. |
| 4 | | 5,69 | 37,14 | 0,91 | 2,76 | 21853 | n.a. |
| 5 | THCA | 10,98 | n.a. | 1,05 | 280,22 | 111053 | n.a. |

Peak Analysis

Sequence Details

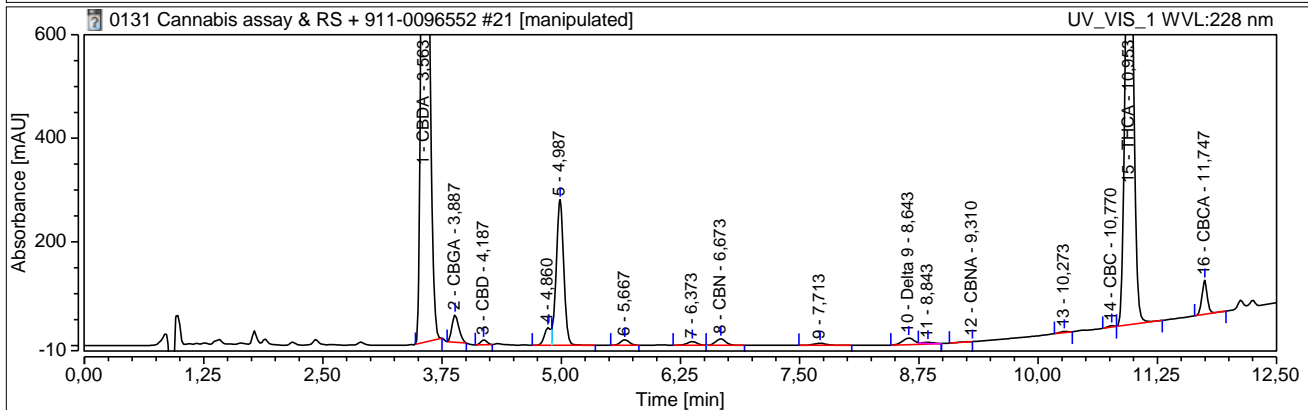
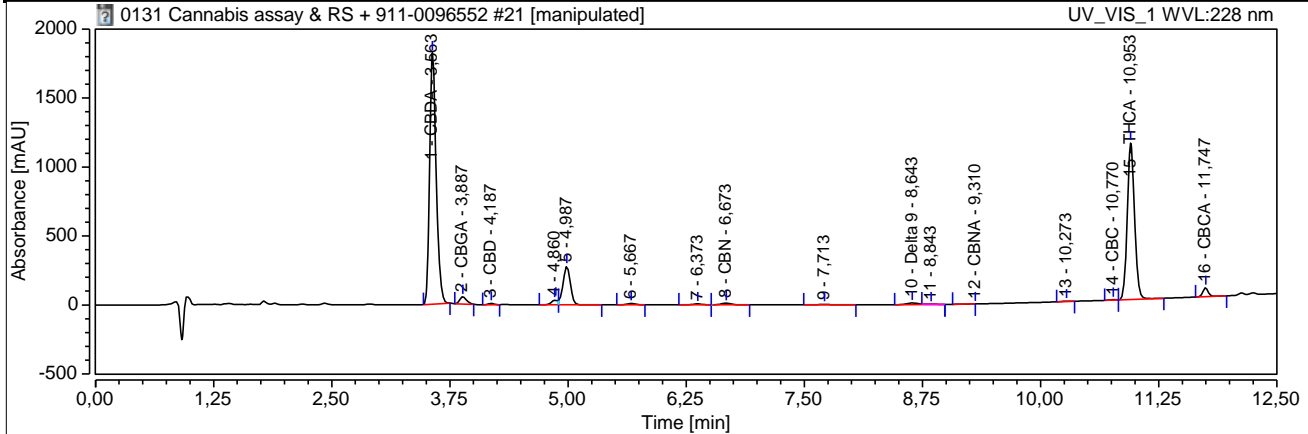
Data QC\Sequences\394\2017\0131 Cannabis assay & RS + 911-0096552

Printed by/on: **mele** 30-jul-18 14:07

Injection Details

| | |
|--|------------------------------------|
| Injection Name: 1A M1 394-0096767 | Injection Number: 21 |
| Vial Number: RB5 | Injection Type: Unknown |
| Instrument Method: Cannabis Assay and RS 20151031 | Calibration Level: |
| Processing Method: Cannabis assay and RS | Chromatogram version: 2 |
| Injection Date/Time: 31-jan-17 18:27 | Chromatogram is manipulated |
| Update Date/Time/User: 01-feb-17 06:21 alha | |
| Comment: UKD024 | |

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|-----------------|--------------------|----------------------|----------------------------|
| 1 | CBDA | 3,56 | 147,85058 | 1820,7914 | 50,59 | 52,76 | 0,07 |
| 2 | CBGA | 3,89 | 4,42630 | 52,9394 | 1,51 | 1,53 | 0,08 |
| 3 | CBD | 4,19 | 0,71014 | 9,3696 | 0,24 | 0,27 | 0,07 |
| 4 | | 4,86 | 2,72800 | 34,1164 | 0,93 | 0,99 | n.a. |
| 5 | | 4,99 | 25,19921 | 280,8156 | 8,62 | 8,14 | 0,08 |
| 6 | | 5,67 | 1,11611 | 10,3925 | 0,38 | 0,30 | 0,10 |
| 7 | | 6,37 | 0,83415 | 7,1226 | 0,29 | 0,21 | 0,11 |
| 8 | CBN | 6,67 | 1,50663 | 12,4615 | 0,52 | 0,36 | 0,11 |
| 9 | | 7,71 | 0,59831 | 4,0791 | 0,20 | 0,12 | 0,13 |
| 10 | Delta 9 | 8,64 | 1,95982 | 12,5250 | 0,67 | 0,36 | 0,14 |
| 11 | | 8,84 | 0,26993 | 2,2929 | 0,09 | 0,07 | n.a. |
| 12 | CBNA | 9,31 | 0,05932 | 0,0000 | 0,02 | 0,00 | n.a. |
| 13 | | 10,27 | 0,22342 | 2,4351 | 0,08 | 0,07 | 0,09 |
| 14 | CBC | 10,77 | 0,20245 | 2,6986 | 0,07 | 0,08 | 0,07 |
| 15 | THCA | 10,95 | 100,14858 | 1133,4740 | 34,27 | 32,84 | 0,08 |
| 16 | CBCA | 11,75 | 4,40605 | 65,5604 | 1,51 | 1,90 | 0,06 |
| Total: | | | 292,239 | 3451,074 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|---------|-------------|------|
| 1 | CBDA | 3,56 | 2,50 | 1,32 | 4051,71 | 12760 | n.a. |
| 2 | CBGA | 3,89 | 2,35 | 1,21 | 117,80 | 13679 | n.a. |
| 3 | CBD | 4,19 | n.a. | 1,01 | 8,86 | 18362 | n.a. |
| 4 | | 4,86 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 5 | | 4,99 | 4,37 | n.a. | 265,46 | 20169 | n.a. |
| 6 | | 5,67 | 4,00 | 0,99 | 35,79 | 17512 | n.a. |

| | | | | | | | |
|----|---------|-------|------|------|---------|--------|------|
| 7 | | 6,37 | 1,62 | 0,93 | 24,53 | 19482 | n.a. |
| 8 | CBN | 6,67 | 5,11 | 1,02 | 42,91 | 19879 | n.a. |
| 9 | | 7,71 | 4,16 | 1,18 | 19,81 | 19842 | n.a. |
| 10 | Delta 9 | 8,64 | n.a. | 1,29 | 19,46 | 22667 | n.a. |
| 11 | | 8,84 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 12 | CBNA | 9,31 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 13 | | 10,27 | 3,64 | 0,87 | 3,47 | 74482 | n.a. |
| 14 | CBC | 10,77 | 1,41 | 0,78 | 3,84 | 122416 | n.a. |
| 15 | THCA | 10,95 | 6,60 | 1,09 | 1613,15 | 102624 | n.a. |
| 16 | CBCA | 11,75 | n.a. | 1,00 | 699,77 | 202691 | n.a. |

Peak Analysis

Sequence Details

Data QC\Sequences\394\2017\0131 Cannabis assay & RS + 911-0096552

Printed by/on: **mele**

30-jul-18 14:07

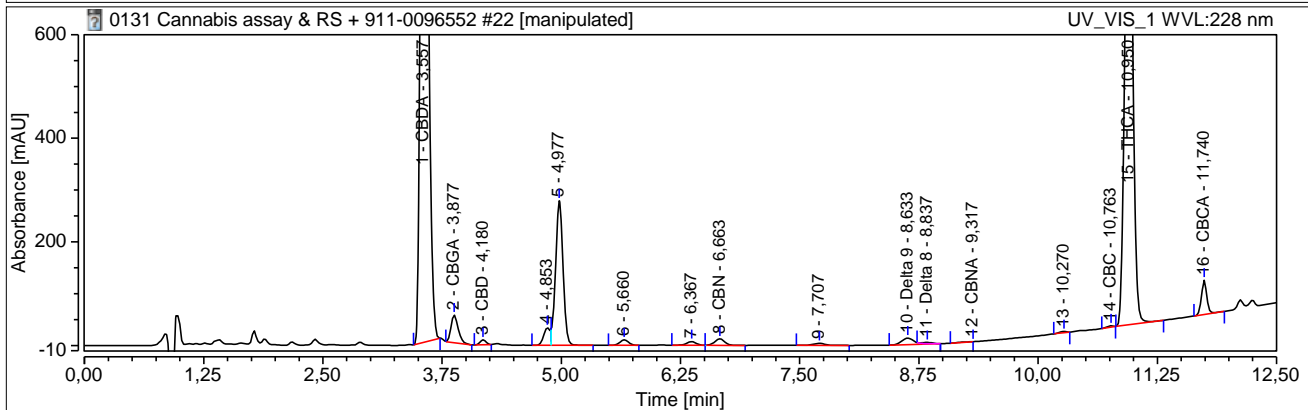
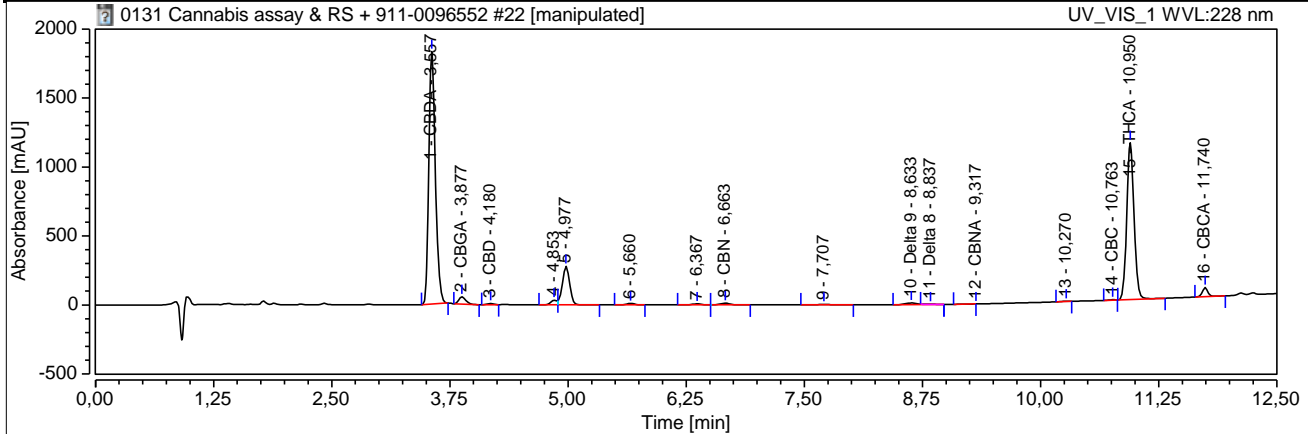
Injection Details

Injection Name: **1A M2 394-0096767**
 Vial Number: **RB6**
 Instrument Method: **Cannabis Assay and RS 20151031**
 Processing Method: **Cannabis assay and RS**
 Injection Date/Time: **31-jan-17 18:46**
 Update Date/Time/User: **01-feb-17 06:21 alha**
 Comment: **UKD024**

Injection Number: **22**
 Injection Type: **Unknown**
 Calibration Level:
 Chromatogram version: **2**

Chromatogram is manipulated

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|-----------------|--------------------|----------------------|----------------------------|
| 1 | CBDA | 3,56 | 148,29601 | 1830,2150 | 50,58 | 52,87 | 0,07 |
| 2 | CBGA | 3,88 | 4,62488 | 53,5776 | 1,58 | 1,55 | 0,08 |
| 3 | CBD | 4,18 | 0,71833 | 9,4887 | 0,25 | 0,27 | 0,07 |
| 4 | | 4,85 | 2,72534 | 33,9617 | 0,93 | 0,98 | n.a. |
| 5 | | 4,98 | 24,93073 | 278,5344 | 8,50 | 8,05 | 0,08 |
| 6 | | 5,66 | 1,12163 | 10,3774 | 0,38 | 0,30 | 0,10 |
| 7 | | 6,37 | 0,85270 | 7,2272 | 0,29 | 0,21 | 0,11 |
| 8 | CBN | 6,66 | 1,51730 | 12,5499 | 0,52 | 0,36 | 0,11 |
| 9 | | 7,71 | 0,57248 | 4,0383 | 0,20 | 0,12 | 0,13 |
| 10 | Delta 9 | 8,63 | 1,98674 | 12,6652 | 0,68 | 0,37 | 0,14 |
| 11 | Delta 8 | 8,84 | 0,26927 | 2,2800 | 0,09 | 0,07 | n.a. |
| 12 | CBNA | 9,32 | 0,06074 | 0,0000 | 0,02 | 0,00 | n.a. |
| 13 | | 10,27 | 0,20547 | 2,2782 | 0,07 | 0,07 | 0,09 |
| 14 | CBC | 10,76 | 0,20029 | 2,6657 | 0,07 | 0,08 | 0,07 |
| 15 | THCA | 10,95 | 100,66111 | 1135,8020 | 34,33 | 32,81 | 0,08 |
| 16 | CBCA | 11,74 | 4,44172 | 66,0751 | 1,51 | 1,91 | 0,06 |
| Total: | | | 293,185 | 3461,736 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|---------|-------------|------|
| 1 | CBDA | 3,56 | 2,46 | 1,26 | 1642,10 | 12722 | n.a. |
| 2 | CBGA | 3,88 | 2,35 | 1,29 | 48,07 | 13264 | n.a. |
| 3 | CBD | 4,18 | n.a. | 0,97 | 8,51 | 18271 | n.a. |
| 4 | | 4,85 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 5 | | 4,98 | 4,39 | n.a. | 249,91 | 20164 | n.a. |
| 6 | | 5,66 | 4,00 | 1,00 | 32,94 | 17361 | n.a. |

| | | | | | | | |
|----|---------|-------|------|------|---------|--------|------|
| 7 | | 6,37 | 1,60 | 0,94 | 22,94 | 19439 | n.a. |
| 8 | CBN | 6,66 | 5,17 | 1,01 | 39,83 | 19721 | n.a. |
| 9 | | 7,71 | 4,18 | 1,12 | 15,21 | 20558 | n.a. |
| 10 | Delta 9 | 8,63 | n.a. | 1,32 | 22,08 | 22612 | n.a. |
| 11 | Delta 8 | 8,84 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 12 | CBNA | 9,32 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 13 | | 10,27 | 3,66 | 0,79 | 3,28 | 76985 | n.a. |
| 14 | CBC | 10,76 | 1,44 | 0,77 | 3,84 | 123776 | n.a. |
| 15 | THCA | 10,95 | 6,55 | 1,05 | 1636,35 | 101739 | n.a. |
| 16 | CBCA | 11,74 | n.a. | 1,03 | 640,98 | 201775 | n.a. |

Peak Analysis

Sequence Details

Data QC\Sequences\394\2017\0131 Cannabis assay & RS + 911-0096552

Printed by/on: **mele**

30-jul-18 14:07

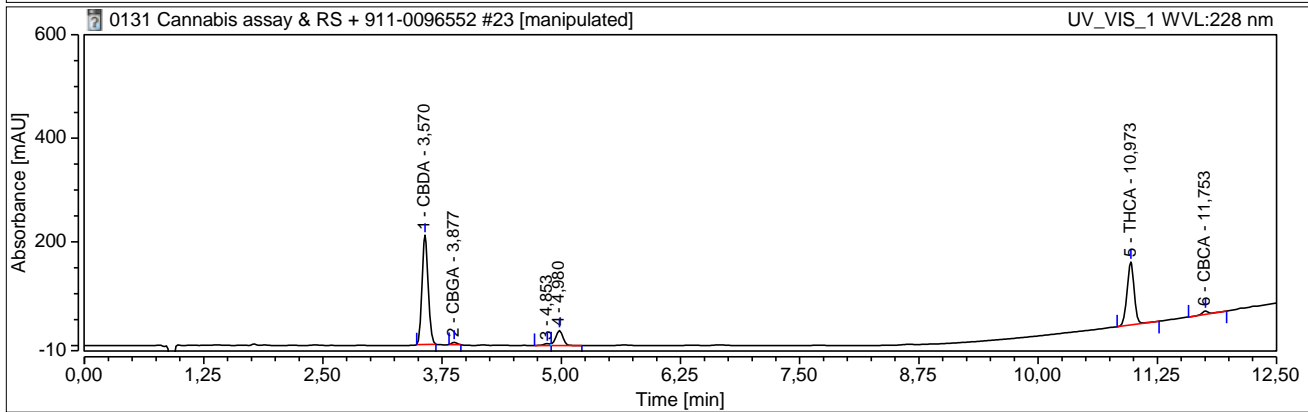
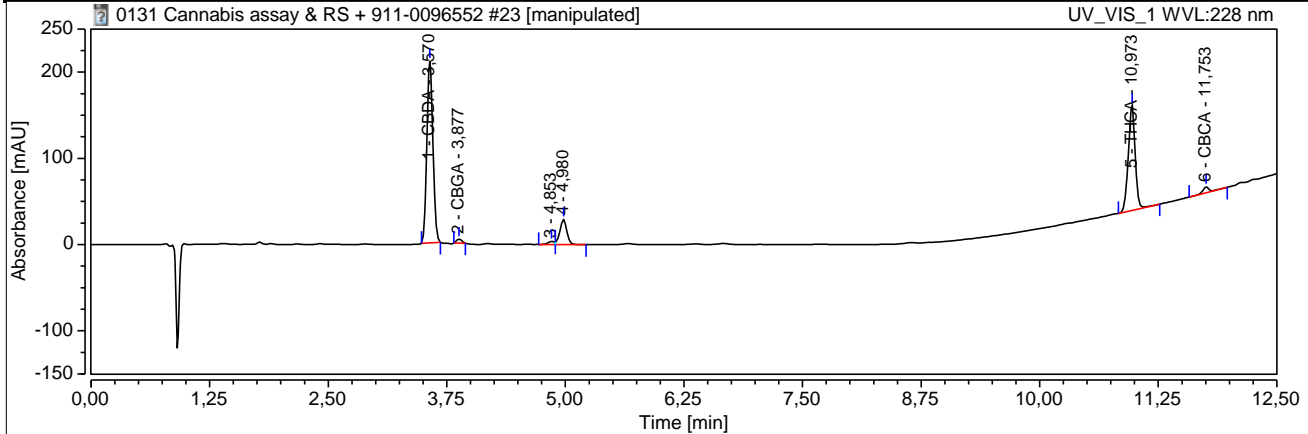
Injection Details

Injection Name: **1B M1 394-0096767**
 Vial Number: **RB7**
 Instrument Method: **Cannabis Assay and RS 20151031**
 Processing Method: **Cannabis assay and RS**
 Injection Date/Time: **31-jan-17 19:05**
 Update Date/Time/User: **01-feb-17 06:22 alha**
 Comment: **UKD024**

Injection Number: **23**
 Injection Type: **Unknown**
 Calibration Level:
 Chromatogram version: **2**

Chromatogram is manipulated

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|----------------|--------------------|----------------------|----------------------------|
| 1 | CBDA | 3,57 | 15,43631 | 210,8609 | 52,55 | 55,99 | 0,07 |
| 2 | CBGA | 3,88 | 0,30751 | 4,6421 | 1,05 | 1,23 | 0,07 |
| 3 | | 4,85 | 0,27112 | 3,4742 | 0,92 | 0,92 | n.a. |
| 4 | | 4,98 | 2,50001 | 29,0991 | 8,51 | 7,73 | 0,08 |
| 5 | THCA | 10,97 | 10,34106 | 121,5871 | 35,21 | 32,29 | 0,08 |
| 6 | CBCA | 11,75 | 0,51682 | 6,9148 | 1,76 | 1,84 | 0,06 |
| Total: | | | 29,373 | 376,578 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|--------|-------------|------|
| 1 | CBDA | 3,57 | 2,71 | 1,10 | 378,77 | 15277 | n.a. |
| 2 | CBGA | 3,88 | n.a. | 1,15 | 6,74 | 19294 | n.a. |
| 3 | | 4,85 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 4 | | 4,98 | 44,86 | n.a. | 42,26 | 21746 | n.a. |
| 5 | THCA | 10,97 | 6,51 | 0,95 | 106,93 | 109159 | n.a. |
| 6 | CBCA | 11,75 | n.a. | 1,09 | 79,60 | 191825 | n.a. |

Peak Analysis

Sequence Details

Data QC\Sequences\394\2017\0131 Cannabis assay & RS + 911-0096552

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30-jul-18 14:07

Injection Details

Injection Name: 1B M2 394-0096767

Injection Number: 24

Vial Number: RB8

Injection Type: Unknown

Instrument Method: Cannabis Assay and RS 20151031

Calibration Level:

Processing Method: Cannabis assay and RS

Chromatogram version: 2

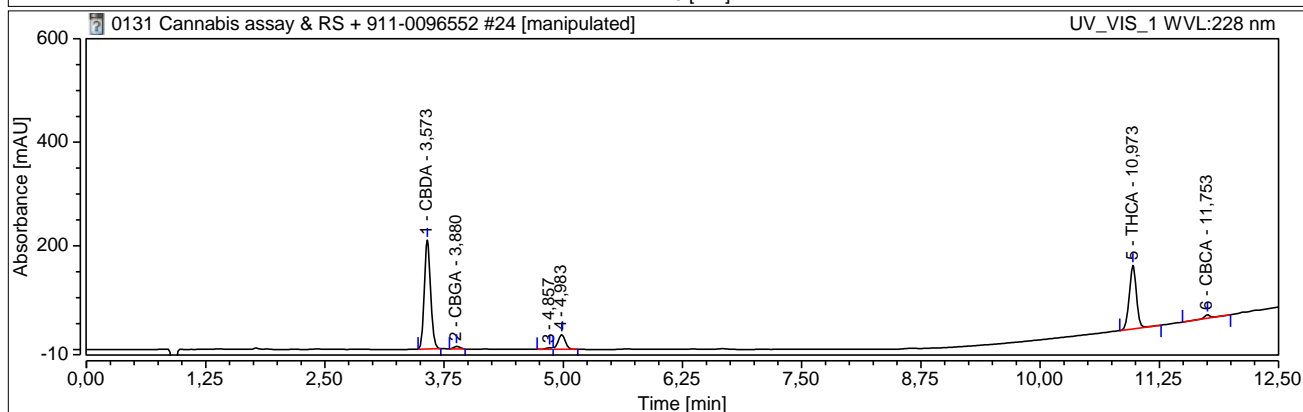
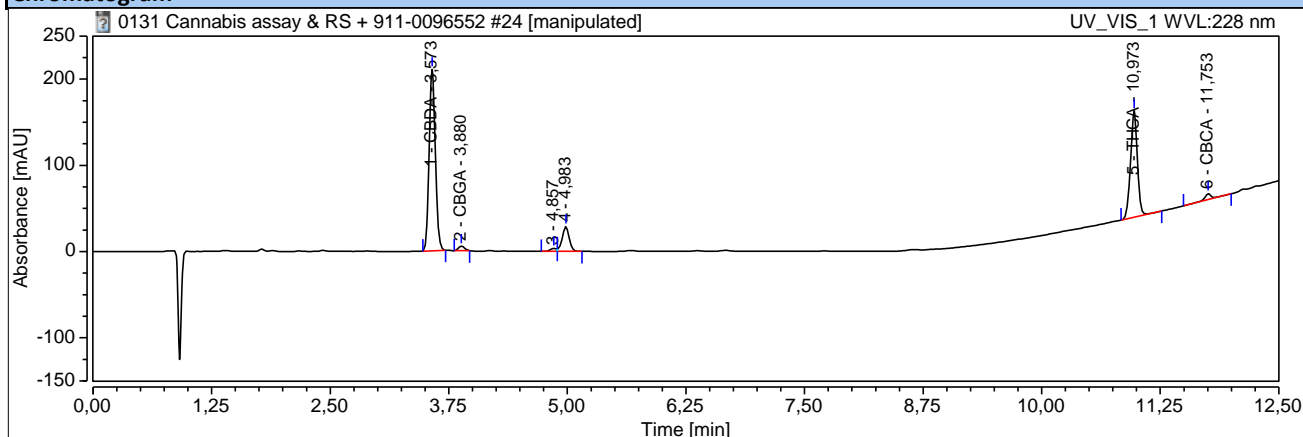
Injection Date/Time: 31-jan-17 19:23

Chromatogram is manipulated

Update Date/Time/User: 01-feb-17 06:23 alha

Comment: UKD024

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|----------------|--------------------|----------------------|----------------------------|
| 1 | CBDA | 3,57 | 15,82914 | 210,4504 | 52,77 | 55,70 | 0,07 |
| 2 | CBGA | 3,88 | 0,41079 | 5,3114 | 1,37 | 1,41 | 0,07 |
| 3 | | 4,86 | 0,25846 | 3,4380 | 0,86 | 0,91 | n.a. |
| 4 | | 4,98 | 2,50712 | 28,7775 | 8,36 | 7,62 | 0,08 |
| 5 | THCA | 10,97 | 10,45260 | 122,8043 | 34,85 | 32,50 | 0,08 |
| 6 | CBCA | 11,75 | 0,53629 | 7,0723 | 1,79 | 1,87 | 0,06 |
| Total: | | | 29,994 | 377,854 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|---------|-------------|------|
| 1 | CBDA | 3,57 | 2,53 | 1,12 | 1330,27 | 14739 | n.a. |
| 2 | CBGA | 3,88 | n.a. | 1,15 | 9,42 | 15240 | n.a. |
| 3 | | 4,86 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 4 | | 4,98 | 44,52 | n.a. | 43,15 | 21280 | n.a. |
| 5 | THCA | 10,97 | 6,48 | 0,98 | 117,22 | 108682 | n.a. |
| 6 | CBCA | 11,75 | n.a. | 1,07 | 142,93 | 188569 | n.a. |

Peak Analysis

Sequence Details

Data QC\Sequences\394\2016\0907 Cannabis assay & rel sub

Printed by/on: **mele** 30-jul-18 14:09

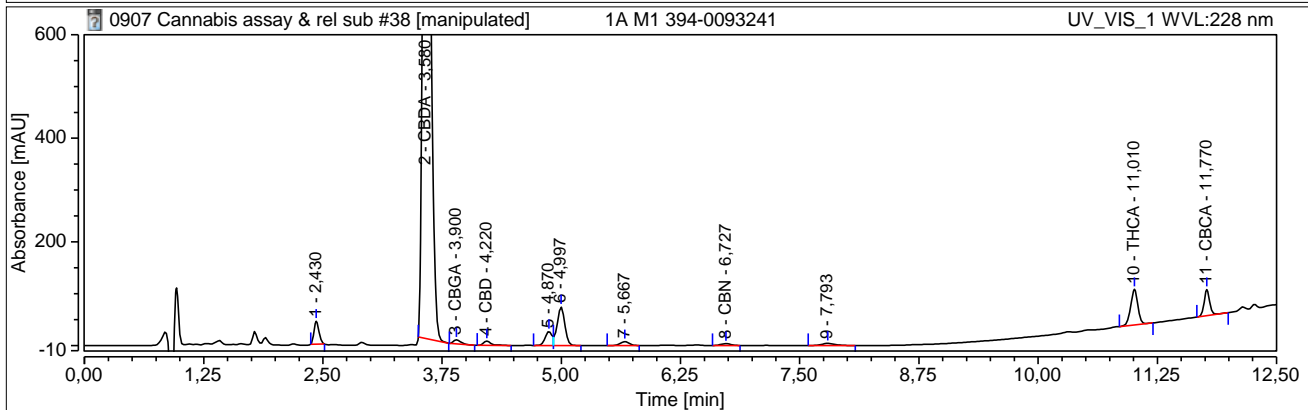
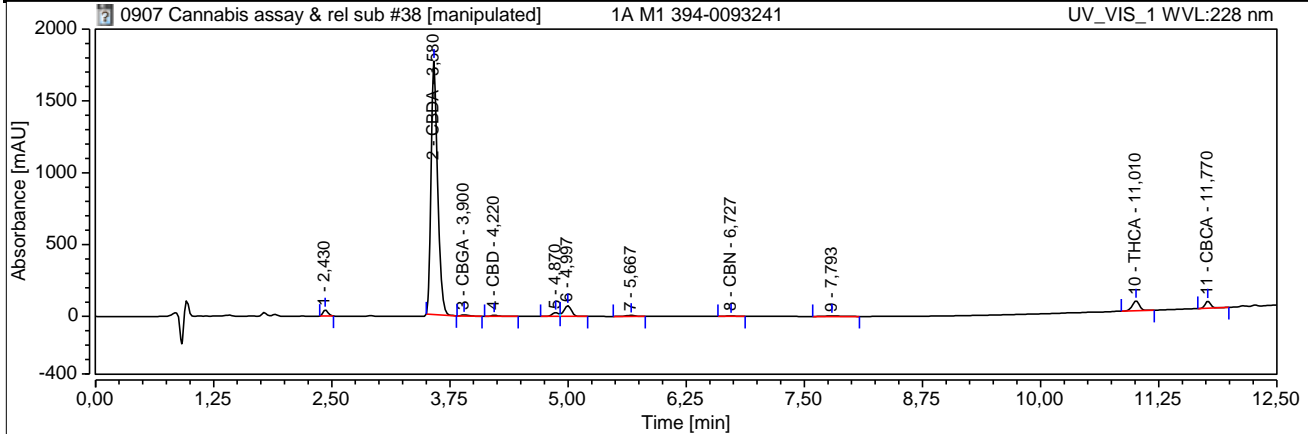
Injection Details

Injection Name: **1A M1 394-0093241**
 Vial Number: **RE1**
 Instrument Method: **Cannabis Assay and RS 20151031**
 Processing Method: **Cannabis assay and RS**
 Injection Date/Time: **07-sep-16 23:29**
 Update Date/Time/User: **08-sep-16 06:53 alha**
 Comment: **PKN703-012**

Injection Number: **38**
 Injection Type: **Unknown**
 Calibration Level:
 Chromatogram version: **2**

Chromatogram is manipulated

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|-----------------|--------------------|----------------------|----------------------------|
| 1 | | 2,43 | 2,67345 | 44,5709 | 1,58 | 2,16 | 0,06 |
| 2 | CBDA | 3,58 | 144,41194 | 1764,2757 | 85,48 | 85,61 | 0,07 |
| 3 | CBGA | 3,90 | 0,71109 | 7,9388 | 0,42 | 0,39 | 0,09 |
| 4 | CBD | 4,22 | 0,75554 | 8,1792 | 0,45 | 0,40 | 0,08 |
| 5 | | 4,87 | 2,22747 | 26,8615 | 1,32 | 1,30 | n.a. |
| 6 | | 5,00 | 6,87534 | 74,5026 | 4,07 | 3,62 | 0,09 |
| 7 | | 5,67 | 0,83050 | 7,4041 | 0,49 | 0,36 | 0,11 |
| 8 | CBN | 6,73 | 0,41329 | 3,5137 | 0,24 | 0,17 | 0,11 |
| 9 | | 7,79 | 0,68067 | 4,2641 | 0,40 | 0,21 | 0,14 |
| 10 | THCA | 11,01 | 5,92635 | 68,7547 | 3,51 | 3,34 | 0,08 |
| 11 | CBCA | 11,77 | 3,43485 | 50,5410 | 2,03 | 2,45 | 0,06 |
| Total: | | | 168,940 | 2060,806 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|----------|-------------|------|
| 1 | | 2,43 | 10,35 | 1,23 | 715,83 | 10385 | n.a. |
| 2 | CBDA | 3,58 | 2,36 | 1,31 | 28335,10 | 12635 | n.a. |
| 3 | CBGA | 3,90 | 2,30 | 1,38 | 127,50 | 11642 | n.a. |
| 4 | CBD | 4,22 | n.a. | 1,59 | 131,36 | 15799 | n.a. |
| 5 | | 4,87 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 6 | | 5,00 | 4,14 | n.a. | 1196,55 | 18968 | n.a. |
| 7 | | 5,67 | 5,76 | 0,96 | 13,24 | 15927 | n.a. |
| 8 | CBN | 6,73 | 5,02 | 0,99 | 6,29 | 20241 | n.a. |
| 9 | | 7,79 | 17,38 | 1,23 | 0,88 | 17323 | n.a. |
| 10 | THCA | 11,01 | 6,35 | 0,95 | 53,97 | 107608 | n.a. |
| 11 | CBCA | 11,77 | n.a. | 1,03 | 530,33 | 198255 | n.a. |

Peak Analysis

Sequence Details

Data QC\Sequences\394\2016\0907 Cannabis assay & rel sub

Printed by/on:

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30-jul-18 14:09

Injection Details

Injection Name: 1A M2 394-0093241

Injection Number: 39

Vial Number: RE2

Injection Type: Unknown

Instrument Method: Cannabis Assay and RS 20151031

Calibration Level:

Processing Method: Cannabis assay and RS

Chromatogram version: 2

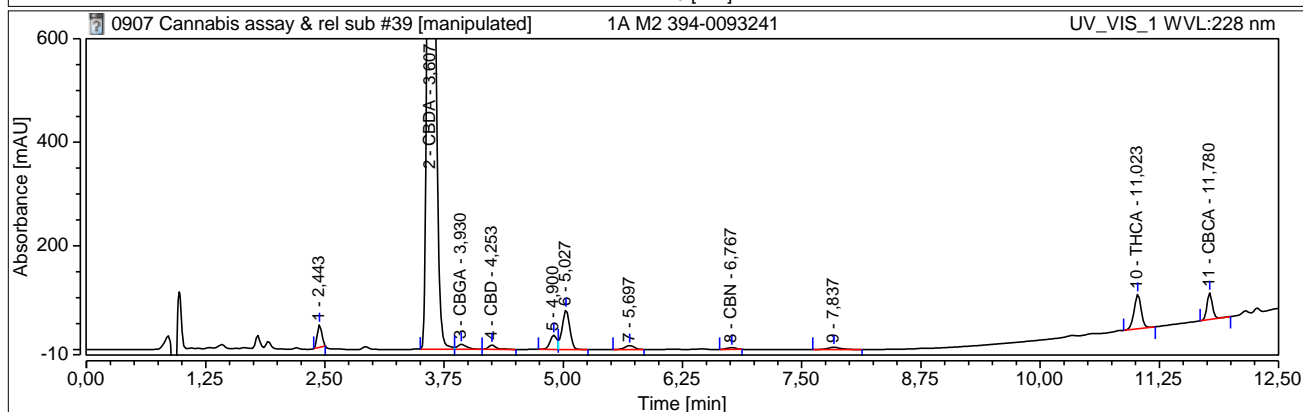
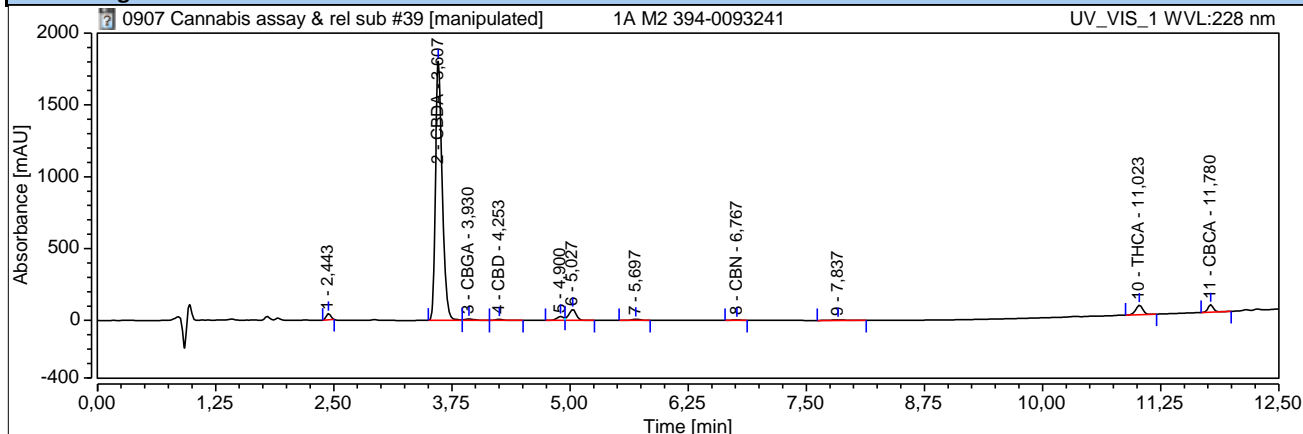
Injection Date/Time: 07-sep-16 23:48

Chromatogram is manipulated

Update Date/Time/User: 08-sep-16 06:54 alha

Comment: PKN703-012

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|---------------|-----------|-----------------------|-----------------|-----------------|--------------------|----------------------|----------------------------|
| 1 | | 2,44 | 2,42110 | 43,5069 | 1,39 | 2,07 | 0,05 |
| 2 | CBDA | 3,61 | 149,62487 | 1803,4890 | 85,83 | 85,76 | 0,08 |
| 3 | CBGA | 3,93 | 1,10919 | 9,7756 | 0,64 | 0,46 | 0,10 |
| 4 | CBD | 4,25 | 0,78562 | 8,5366 | 0,45 | 0,41 | 0,08 |
| 5 | | 4,90 | 2,25993 | 27,4138 | 1,30 | 1,30 | n.a. |
| 6 | | 5,03 | 7,04739 | 76,6254 | 4,04 | 3,64 | 0,08 |
| 7 | | 5,70 | 0,85517 | 7,5577 | 0,49 | 0,36 | 0,11 |
| 8 | CBN | 6,77 | 0,37796 | 3,4004 | 0,22 | 0,16 | 0,11 |
| 9 | | 7,84 | 0,69589 | 4,3913 | 0,40 | 0,21 | 0,14 |
| 10 | THCA | 11,02 | 5,69641 | 66,5865 | 3,27 | 3,17 | 0,08 |
| 11 | CBCA | 11,78 | 3,45273 | 51,5614 | 1,98 | 2,45 | 0,06 |
| Total: | | | 174,326 | 2102,845 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|----------|-------------|------|
| 1 | | 2,44 | 10,65 | 1,05 | 547,84 | 11520 | n.a. |
| 2 | CBDA | 3,61 | 2,12 | 1,30 | 22709,74 | 12699 | n.a. |
| 3 | CBGA | 3,93 | 2,09 | n.a. | 123,10 | 7877 | n.a. |
| 4 | CBD | 4,25 | n.a. | 1,57 | 107,49 | 16162 | n.a. |
| 5 | | 4,90 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 6 | | 5,03 | 4,13 | n.a. | 964,88 | 19380 | n.a. |
| 7 | | 5,70 | 5,91 | 0,96 | 13,02 | 15890 | n.a. |
| 8 | CBN | 6,77 | 5,12 | 0,94 | 5,86 | 22046 | n.a. |
| 9 | | 7,84 | 17,28 | 1,21 | 0,93 | 17577 | n.a. |
| 10 | THCA | 11,02 | 6,39 | 0,97 | 50,33 | 109275 | n.a. |
| 11 | CBCA | 11,78 | n.a. | 1,01 | 553,28 | 205072 | n.a. |

Peak Analysis

Sequence Details

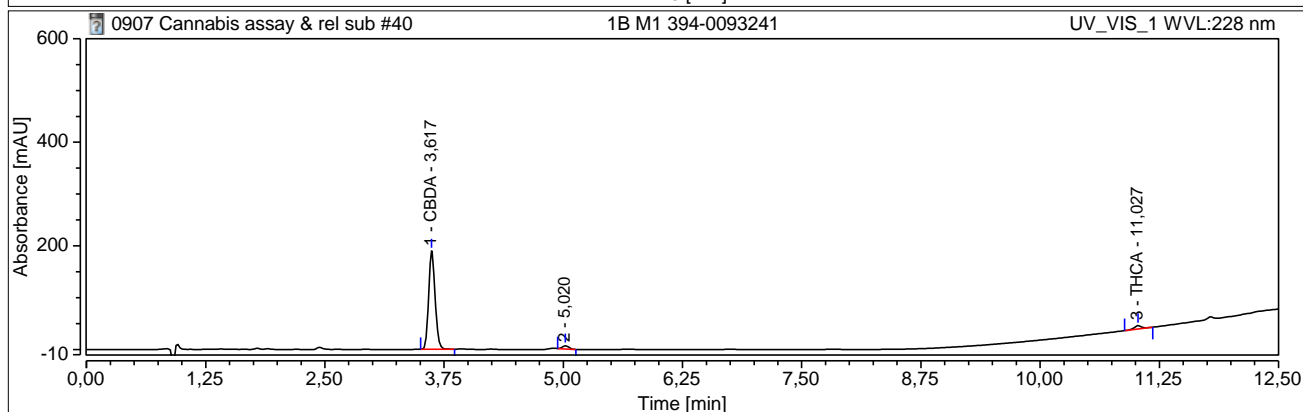
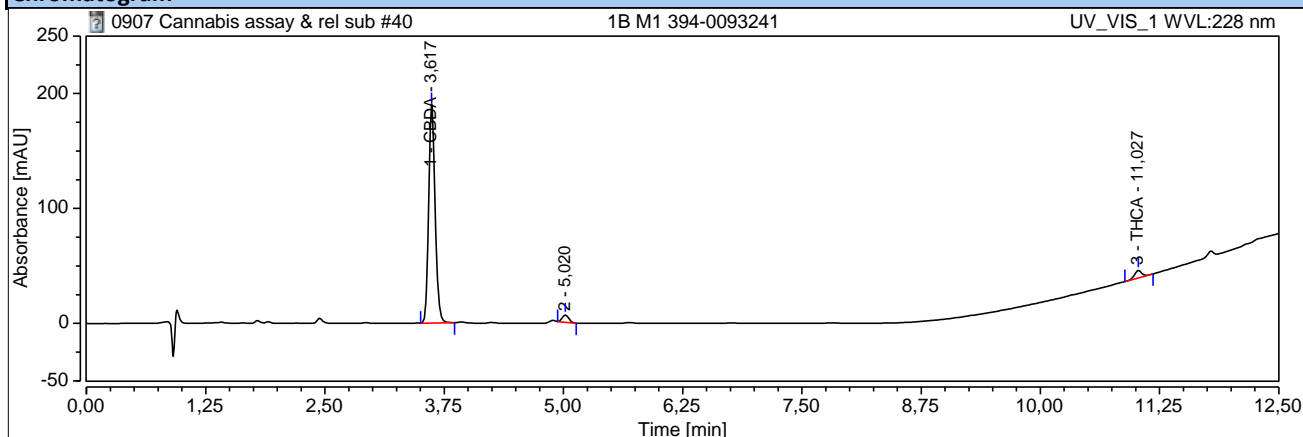
Data QC\Sequences\394\2016\0907 Cannabis assay & rel sub

Printed by/on: **mele** 30-jul-18 14:09

Injection Details

| | | | |
|------------------------|--------------------------------|-----------------------|---------|
| Injection Name: | 1B M1 394-0093241 | Injection Number: | 40 |
| Vial Number: | RE3 | Injection Type: | Unknown |
| Instrument Method: | Cannabis Assay and RS 20151031 | Calibration Level: | |
| Processing Method: | Cannabis assay and RS | Chromatogram version: | 1 |
| Injection Date/Time: | 08-sep-16 00:07 | | |
| Update Date/Time/User: | n.a. n.a. | | |
| Comment: | PKN703-012 | | |

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|--------|-----------|-----------------------|-----------------|---------------|--------------------|----------------------|----------------------------|
| 1 | CBDA | 3,62 | 14,75456 | 190,0450 | 93,31 | 93,62 | 0,07 |
| 2 | | 5,02 | 0,50114 | 6,3782 | 3,17 | 3,14 | 0,08 |
| 3 | THCA | 11,03 | 0,55665 | 6,5812 | 3,52 | 3,24 | 0,08 |
| Total: | | | 15,812 | 203,004 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|--------|-------------|------|
| 1 | CBDA | 3,62 | 11,33 | 1,19 | 147,58 | 14496 | n.a. |
| 2 | | 5,02 | 46,15 | 1,11 | 4,95 | 24504 | n.a. |
| 3 | THCA | 11,03 | n.a. | 0,95 | 2,60 | 110465 | n.a. |

Peak Analysis

Sequence Details

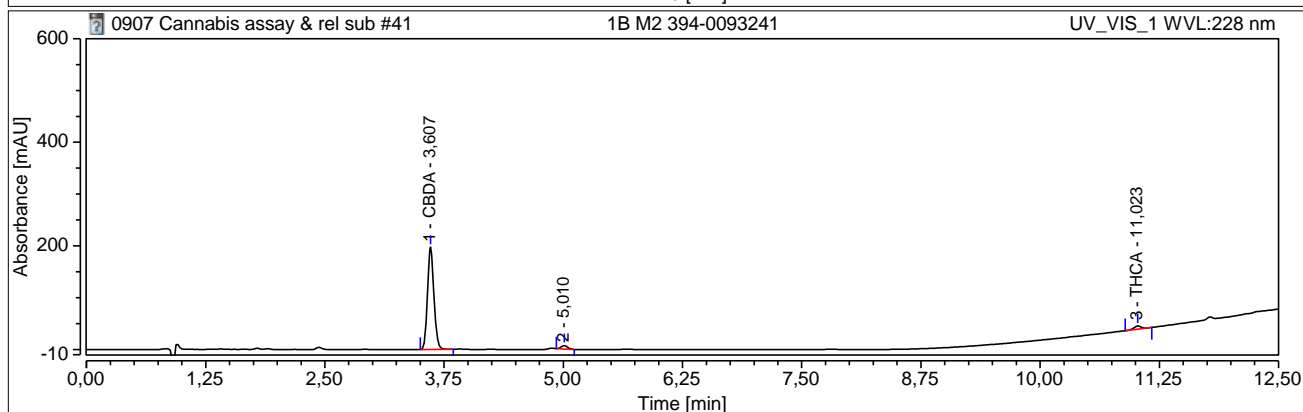
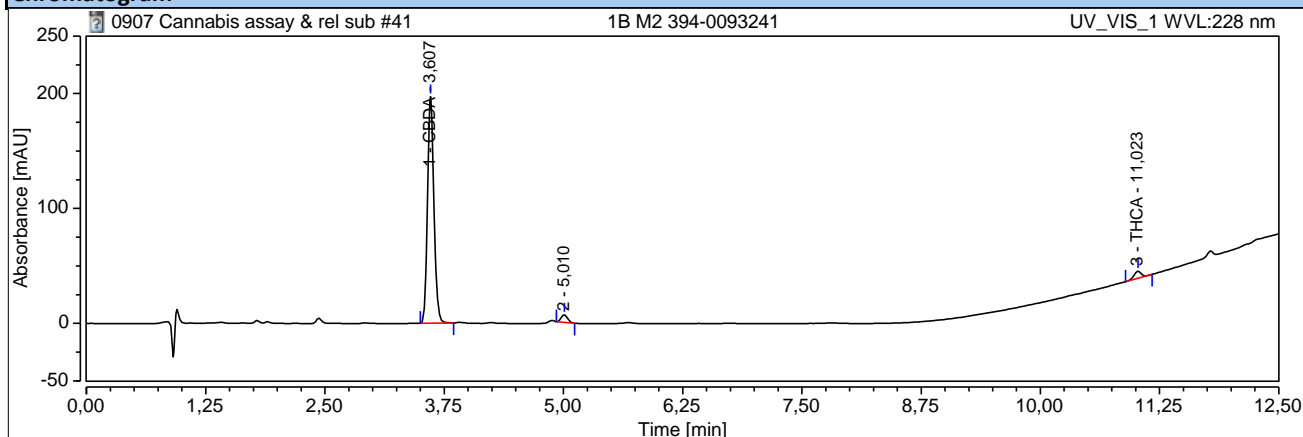
Data QC\Sequences\394\2016\0907 Cannabis assay & rel sub

Printed by/on: **mele** 30-jul-18 14:09

Injection Details

| | | |
|------------------------|--------------------------------|--------------------------------|
| Injection Name: | 1B M2 394-0093241 | Injection Number: 41 |
| Vial Number: | RE4 | Injection Type: Unknown |
| Instrument Method: | Cannabis Assay and RS 20151031 | Calibration Level: |
| Processing Method: | Cannabis assay and RS | Chromatogram version: 1 |
| Injection Date/Time: | 08-sep-16 00:25 | |
| Update Date/Time/User: | n.a. n.a. | |
| Comment: | PKN703-012 | |

Chromatogram



Integration Results

| No. | Peak Name | Retention Time min | Area mAU*min | Height mAU | Relative Area % | Relative Height % | Peak Width (50%) min |
|--------|-----------|-----------------------|-----------------|---------------|--------------------|----------------------|----------------------------|
| 1 | CBDA | 3,61 | 15,14879 | 197,2638 | 93,52 | 93,83 | 0,07 |
| 2 | | 5,01 | 0,51401 | 6,6282 | 3,17 | 3,15 | 0,07 |
| 3 | THCA | 11,02 | 0,53608 | 6,3376 | 3,31 | 3,01 | 0,08 |
| Total: | | | 16,199 | 210,230 | 100,00 | 100,00 | |

| No. | Peak Name | Retention Time min | Resolution (EP) | Asymmetry (EP) | S/N | Plates (EP) | K' |
|-----|-----------|-----------------------|-----------------|----------------|--------|-------------|------|
| 1 | CBDA | 3,61 | 11,44 | 1,14 | 149,59 | 14653 | n.a. |
| 2 | | 5,01 | 46,48 | 1,07 | 5,03 | 24989 | n.a. |
| 3 | THCA | 11,02 | n.a. | 0,93 | 2,42 | 110457 | n.a. |