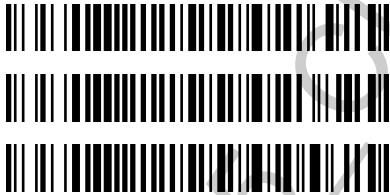


g

9/25/2015

Worklist: 847

| <u>LAB_CASE</u> | <u>ITEM</u> | <u>TASK_ID</u> | <u>DESCRIPTION</u> |
|-----------------|-------------|----------------|--------------------------------|
| P2015-2008 | 1 | 41854 | 6.1.2 Blood Cannabinoids by Lt |
| P2015-2008 | 3 | 41856 | 6.1.2 Blood Cannabinoids by Lt |
| P2015-2008 | 5 | 41853 | 6.1.2 Blood Cannabinoids by Lt |



Reviewed on 09/30/2015 by DND.

g

POC_AM 6.1.2_Blood_09282015

Worklist Report

| | |
|----------------|---|
| Worklist Path: | C:\MassHunter\ISP Methods\worklists\CS-B-CANN092815.wkl |
| Date Modified: | 09/28/2015 03:01:13 PM |
| Date Printed: | 09/29/2015 03:05:04 PM |

Worklist Run Parameters

| | |
|-----------------------------------|---|
| Operator Name: | 62340 |
| Run Type: | Standard Start |
| Part of Method to Run: | Acquisition Only |
| Execution for Acquisition-DA: | Synchronous |
| Acquisition Method Path: | C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m |
| DA Method Path: | D:\MassHunter\methods |
| Data File Path: | C:\MassHunter\Data\CANN\Validation\CANN-092315CS |
| Pre-Worklist Script: | --- |
| Post-Worklist Script: | SCP_InstrumentStandby(){MH_Acq_Scripts.exe} |
| Acquisition Clean Up Script: | SCP_InstrumentStandby(){MH_Acq_Scripts.exe} |
| Overlapped Injection: | No |
| Clear sample selection after run: | Yes |
| Wait Time for Ready(Min): | 10 |
| Threshold Disk Value(GB): | 10 |
| Comment: | --- |

Plate Barcode Information

| Plate | Barcode |
|-------|---------|
| P1 | |
| P2 | |

Worklist Table

| Sample Position | Sample Name | Method | Data File | Sample Type | Level Name | Comment | Info. |
|-----------------|-------------------|--|---------------|-------------|------------|---------|-------------------------------------|
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | Blank1-r001.d | Blank | | | Blank |
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | Blank2-r001.d | Blank | | | Blank |
| P1-A2 | Blood: 1_5 ng/mL | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | B_CAL1-r001.d | Calibration | 1 | | c-THC @5ng/mL, all others @1 ng/mL |
| P1-A3 | Blood: 2_10 ng/mL | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | B_CAL2_r001.d | Calibration | 2 | | c-THC @10ng/mL, all others @2 ng/mL |
| P1-A4 | Blood: 5_25 ng/mL | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | B_CAL3_r001.d | Calibration | 3 | | c-THC @25ng/mL, all others @5 ng/mL |
| P1-A5 | | | B_CAL4_r001.d | Calibration | 4 | | |

| Sample Position | Sample Name | Method | Data File | Sample Type | Level Name | Comment | Info. |
|-----------------|------------------------|--|-------------------------|-------------|------------|---------|--|
| | Blood: 10_50 ng/mL | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | | | | | c-THC @50ng/mL, all others @10 ng/mL |
| P1-A | Blood: 25_125 ng/mL | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | B_CAL5_r001.d | Calibration | 5 | | c-THC @125ng/mL, all others @25 ng/mL |
| P1-A | Blood: 50_250 ng/mL | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | B_CAL_r001.d | Calibration | | | c-THC @250ng/mL, all others @50 ng/mL |
| P1-A | Blood: 100_500 ng/mL | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | B_CAL_r001.d | Calibration | | | c-THC @500ng/mL, all others @100 ng/mL |
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | Carryover blank1_r001.d | Blank | | | |
| P1-A | Blood Negative Control | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | B-NC-r001.d | Sample | | | Negative Blood UTA Lot B0 |
| P1-B1 | Blood 3_15ng/mL | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | B-3_15-r001.d | Sample | | | c-THC @15ng/mL, all others @3 ng/mL |
| P1-A | Blank P2015-200-1 | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | P2015-200-1_BL_r001.d | Blank | | | |
| P1-B3 | P2015-200-1 | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | P2015-200-1-r001.d | Sample | | | Blood |
| P1-A | Blank P2015-200-3 | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | P2015-200-3_BL_r001.d | Blank | | | |
| P1-B4 | P2015-200-3 | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | P2015-200-3-r001.d | Sample | | | Blood |
| P1-A | Blank | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | Carryover blank2_r001.d | Blank | | | |
| P1-B2 | Blood 25_125ng/mL | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | B-25_125-r001.d | Sample | | | c-THC @125ng/mL, all others @25 ng/mL |
| P1-A | Blank P2015-200-5 | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | P2015-200-5_r001.d | Blank | | | |
| P1-B5 | P2015-200-5 | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | P2015-200-5-r001.d | Sample | | | Blood |
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | Blank3-r001.d | Blank | | | |
| P1-A1 | Blank | C:\MassHunter\ISP Methods\Acquisition\isp blood cannabinoids.m | Blank4-r001.d | Blank | | | 3 of 23 |

ISP Forensics Calibration Curve Report

2

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin

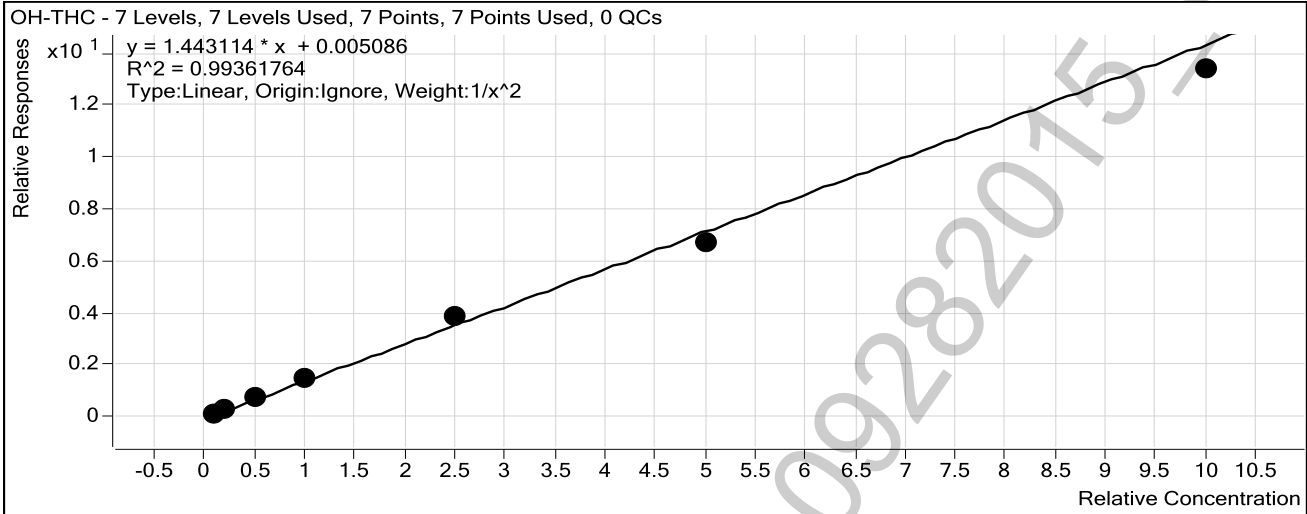
Last Calib Update 9/29/2015 8:34 AM

Analyst Name

ISP TOX

Target Compound OH-THC

Internal Standard OH-THC-d3



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|----------------------|-------|-------------------------------------|----------|------------|----------|
| Blood: 1_5 ng/mL | 1 | <input checked="" type="checkbox"/> | 1 | 1.0 | 101.3 |
| Blood: 2_10 ng/mL | 2 | <input checked="" type="checkbox"/> | 2 | 1.9 | 93.7 |
| Blood: 5_25 ng/mL | 3 | <input checked="" type="checkbox"/> | 5 | 5.3 | 106.1 |
| Blood: 10_50 ng/mL | 4 | <input checked="" type="checkbox"/> | 10 | 10.6 | 105.7 |
| Blood: 25_125 ng/mL | 5 | <input checked="" type="checkbox"/> | 25 | 26.9 | 107.8 |
| Blood: 50_250 ng/mL | 6 | <input checked="" type="checkbox"/> | 50 | 46.4 | 92.8 |
| Blood: 100_500 ng/mL | 7 | <input checked="" type="checkbox"/> | 100 | 92.7 | 92.7 |

2

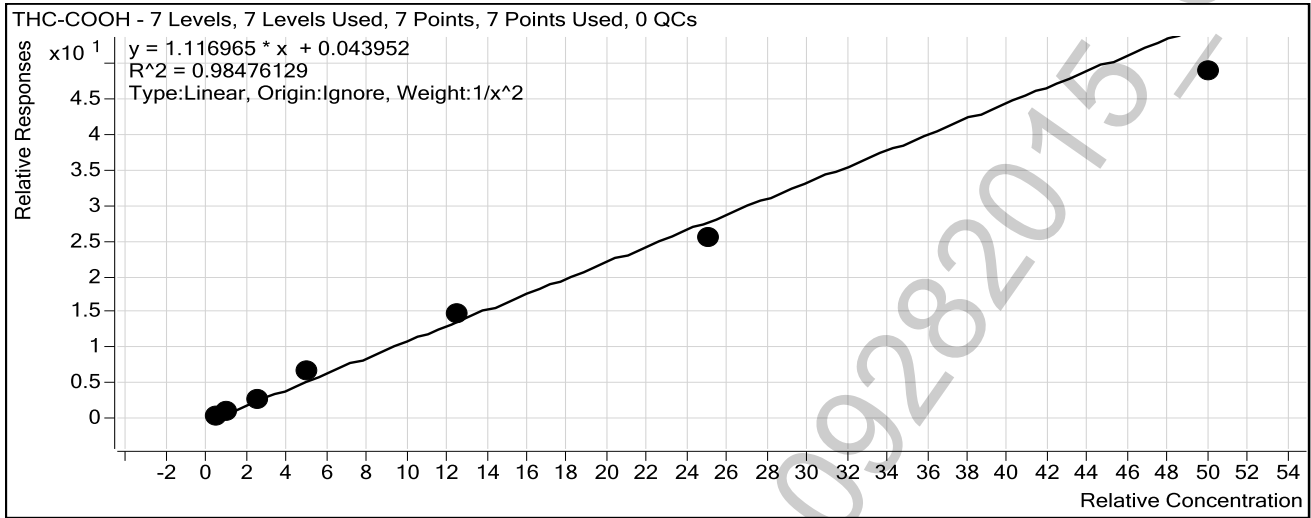
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin

Last Calib Update 9/29/2015 8:34 AM

Analyst Name ISP TOX

Target Compound *THC-COOH*
Internal Standard *THC-COOH-d3*



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|----------------------|-------|-------------------------------------|----------|------------|----------|
| Blood: 1_5 ng/mL | 1 | <input checked="" type="checkbox"/> | 5 | 5.1 | 101.3 |
| Blood: 2_10 ng/mL | 2 | <input checked="" type="checkbox"/> | 10 | 9.2 | 92.5 |
| Blood: 5_25 ng/mL | 3 | <input checked="" type="checkbox"/> | 25 | 25.9 | 103.6 |
| Blood: 10_50 ng/mL | 4 | <input checked="" type="checkbox"/> | 50 | 59.2 | 118.4 |
| Blood: 25_125 ng/mL | 5 | <input checked="" type="checkbox"/> | 125 | 131.5 | 105.2 |
| Blood: 50_250 ng/mL | 6 | <input checked="" type="checkbox"/> | 250 | 229.5 | 91.8 |
| Blood: 100_500 ng/mL | 7 | <input checked="" type="checkbox"/> | 500 | 436.1 | 87.2 |

POC-AM 6.1.2 - Blood / 09282015

ISP Forensics Calibration Curve Report

f

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin

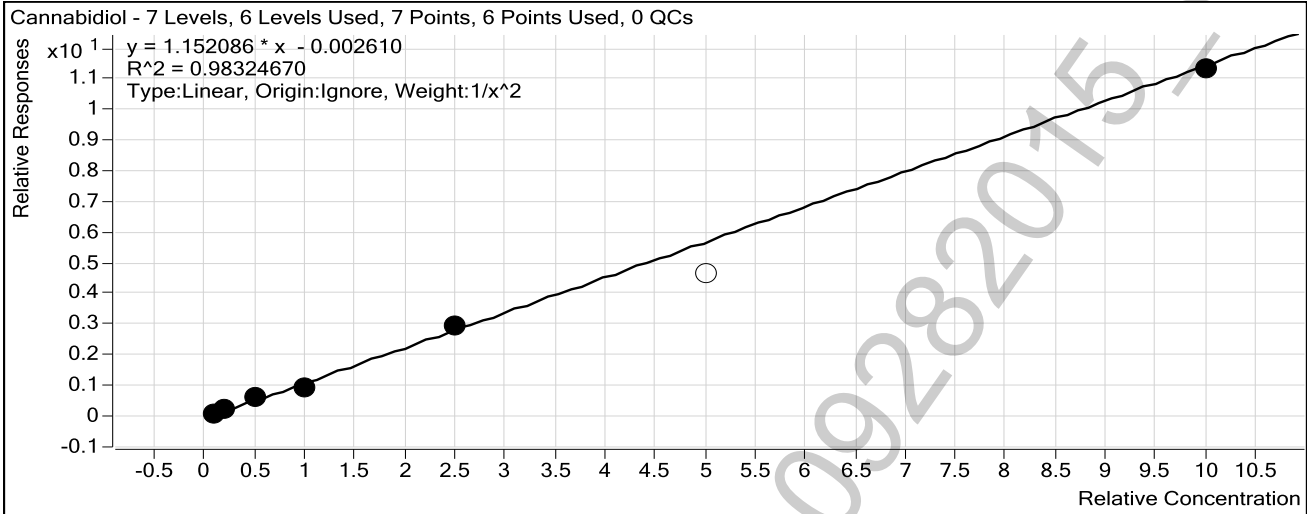
Last Calib Update 9/29/2015 8:34 AM

Analyst Name

ISP TOX

Target Compound *Cannabidiol*

Internal Standard *Cannabidiol-d3*



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|----------------------|-------|-------------------------------------|----------|------------|----------|
| Blood: 1_5 ng/mL | 1 | <input checked="" type="checkbox"/> | 1 | 0.9 | 93.0 |
| Blood: 2_10 ng/mL | 2 | <input checked="" type="checkbox"/> | 2 | 2.3 | 114.1 |
| Blood: 5_25 ng/mL | 3 | <input checked="" type="checkbox"/> | 5 | 5.4 | 107.3 |
| Blood: 10_50 ng/mL | 4 | <input checked="" type="checkbox"/> | 10 | 8.4 | 83.9 |
| Blood: 25_125 ng/mL | 5 | <input checked="" type="checkbox"/> | 25 | 25.9 | 103.5 |
| Blood: 50_250 ng/mL | 6 | <input type="checkbox"/> | 50 | 40.5 | 81.0 |
| Blood: 100_500 ng/mL | 7 | <input checked="" type="checkbox"/> | 100 | 98.2 | 98.2 |

ISP Forensics Calibration Curve Report

f

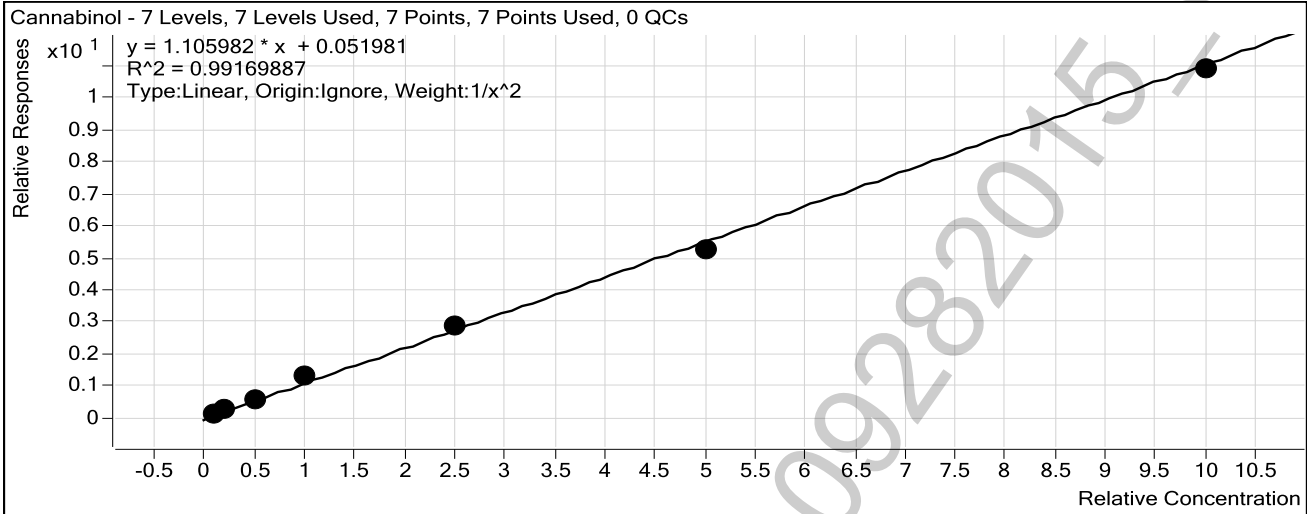
Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin

Last Calib Update 9/29/2015 8:34 AM

Analyst Name

ISP TOX

Target Compound *Cannabinol*
Internal Standard *Cannabinol-d3*



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|----------------------|-------|-------------------------------------|----------|------------|----------|
| Blood: 1_5 ng/mL | 1 | <input checked="" type="checkbox"/> | 1 | 1.0 | 104.0 |
| Blood: 2_10 ng/mL | 2 | <input checked="" type="checkbox"/> | 2 | 1.8 | 91.0 |
| Blood: 5_25 ng/mL | 3 | <input checked="" type="checkbox"/> | 5 | 4.8 | 95.3 |
| Blood: 10_50 ng/mL | 4 | <input checked="" type="checkbox"/> | 10 | 11.4 | 113.8 |
| Blood: 25_125 ng/mL | 5 | <input checked="" type="checkbox"/> | 25 | 25.9 | 103.7 |
| Blood: 50_250 ng/mL | 6 | <input checked="" type="checkbox"/> | 50 | 47.1 | 94.3 |
| Blood: 100_500 ng/mL | 7 | <input checked="" type="checkbox"/> | 100 | 97.8 | 97.8 |

POC_AM 6.1.2_Blood / 09282015

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin

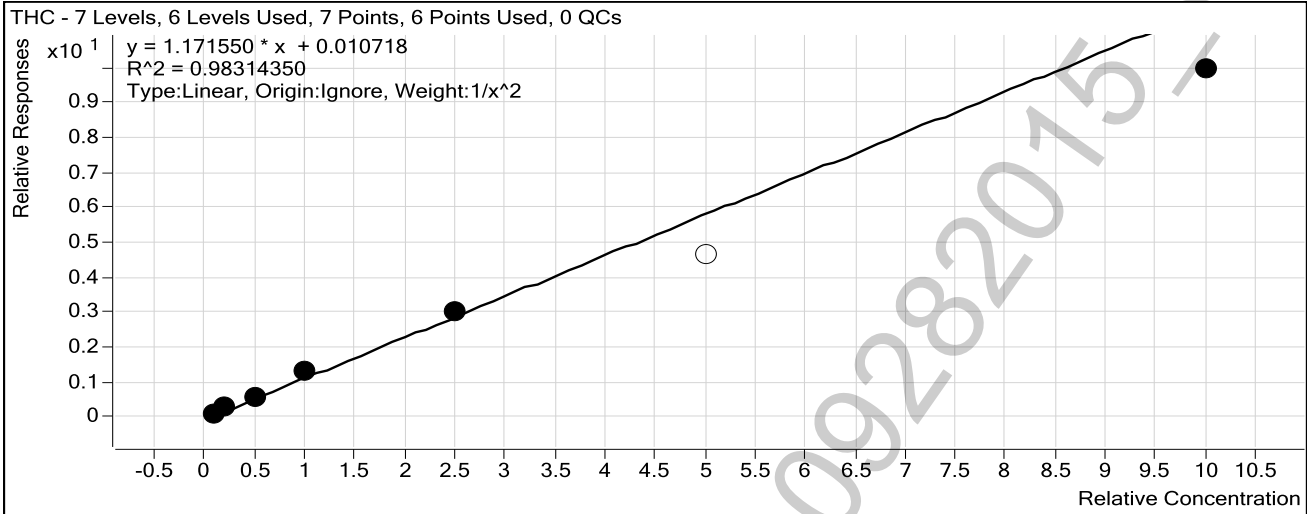
Last Calib Update 9/29/2015 8:34 AM

Analyst Name

ISP TOX

Target Compound THC

Internal Standard THC-d3



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|----------------------|-------|-------------------------------------|----------|------------|----------|
| Blood: 1_5 ng/mL | 1 | <input checked="" type="checkbox"/> | 1 | 0.9 | 93.8 |
| Blood: 2_10 ng/mL | 2 | <input checked="" type="checkbox"/> | 2 | 2.2 | 112.2 |
| Blood: 5_25 ng/mL | 3 | <input checked="" type="checkbox"/> | 5 | 4.8 | 95.3 |
| Blood: 10_50 ng/mL | 4 | <input checked="" type="checkbox"/> | 10 | 11.1 | 111.3 |
| Blood: 25_125 ng/mL | 5 | <input checked="" type="checkbox"/> | 25 | 25.7 | 102.7 |
| Blood: 50_250 ng/mL | 6 | <input type="checkbox"/> | 50 | 39.6 | 79.2 |
| Blood: 100_500 ng/mL | 7 | <input checked="" type="checkbox"/> | 100 | 84.8 | 84.8 |

POC_AM 6.1.2_Blood / 09282015

2

ISP FORENSICS

Pocatello

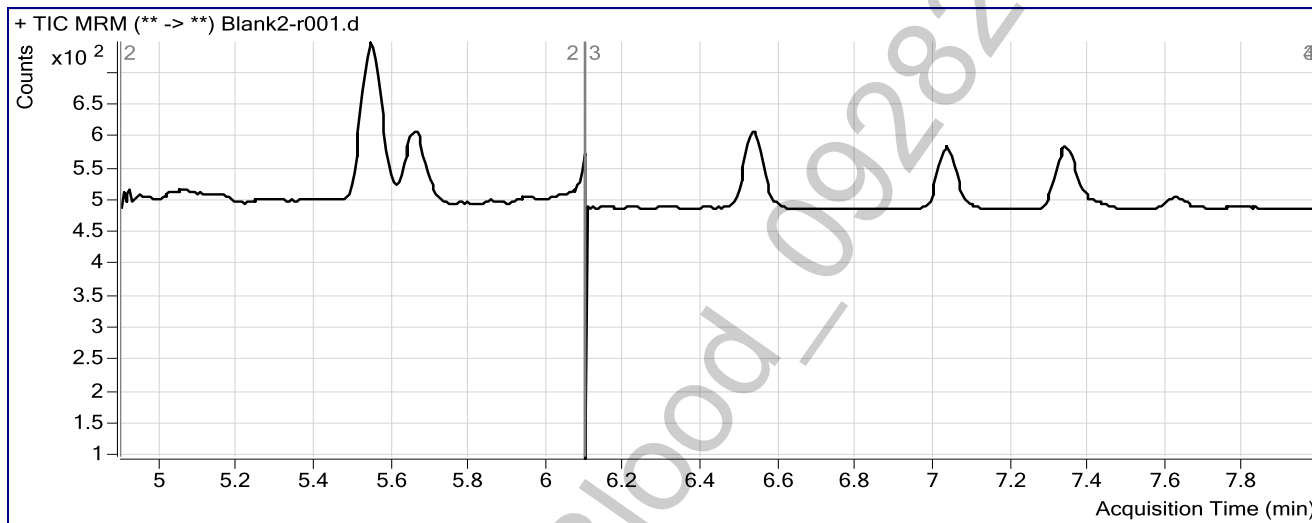
Cannabinoid Analysis Report

| | | | |
|--------------------------|--|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin | | |
| Analysis Time | 9/29/2015 8:34 AM | Analyst Name | datastor |
| Report Time | 9/29/2015 8:37 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 8:34 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|--------------------------|
| Acq Time | 2015-09-28 15:26 | Data File | Blank2-r001.d |
| Sample Type | Blank | Sample Name | Blank |
| Dilution | 1 | Acq Method | isp blood cannabinoids.m |
| Position | P1-A1 | Sample Info | Blank |
| Inj Vol | -1 | Comment | |

Sample Chromatogram



2

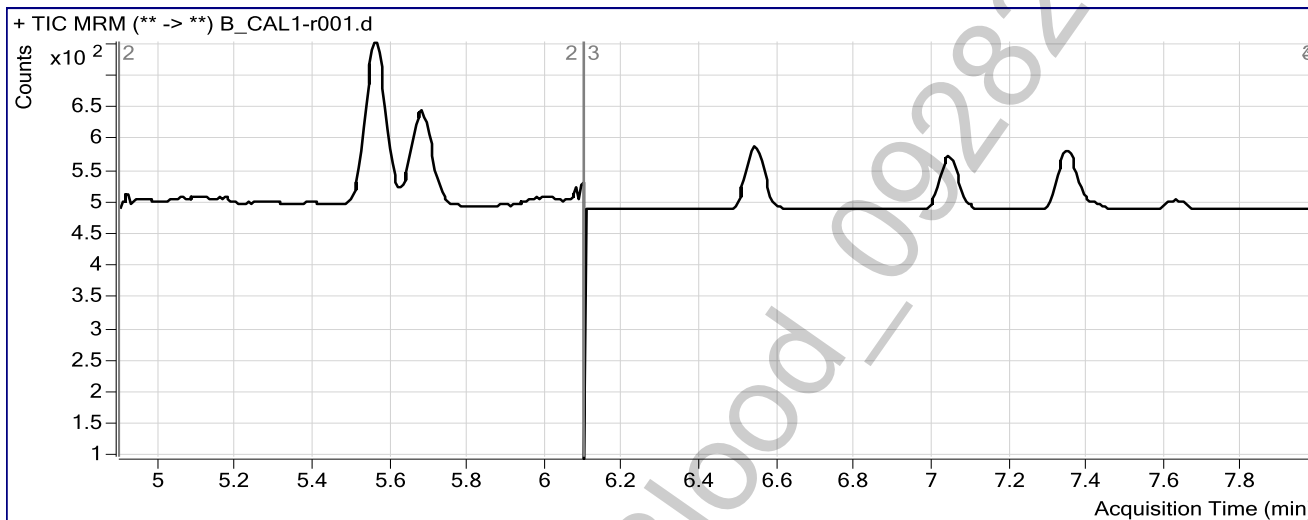
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 15:40 **Data File** B_CAL1-r001.d
Sample Type Calibration **Sample Name** Blood: 1_5 ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-A2 **Sample Info** c-THC @5ng/mL, all others @1 ng/mL
Inj Vol -1 **Comment**

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|----------------|-------|----------|-----------|------------|------------|
| OH-THC | OH-THC-d3 | 5.577 | 98 | 646 | 0.1512 | 1.0126 |
| THC-COOH | THC-COOH-d3 | 5.686 | 75 | 122 | 0.6096 | 5.0644 |
| Cannabidiol | Cannabidiol-d3 | 6.544 | 16 | 149 | 0.1045 | 0.9298 |
| Cannabinol | Cannabinol-d3 | 7.051 | 34 | 203 | 0.1670 | 1.0402 |
| THC | THC-d3 | 7.351 | 19 | 159 | 0.1206 | 0.9375 |

2

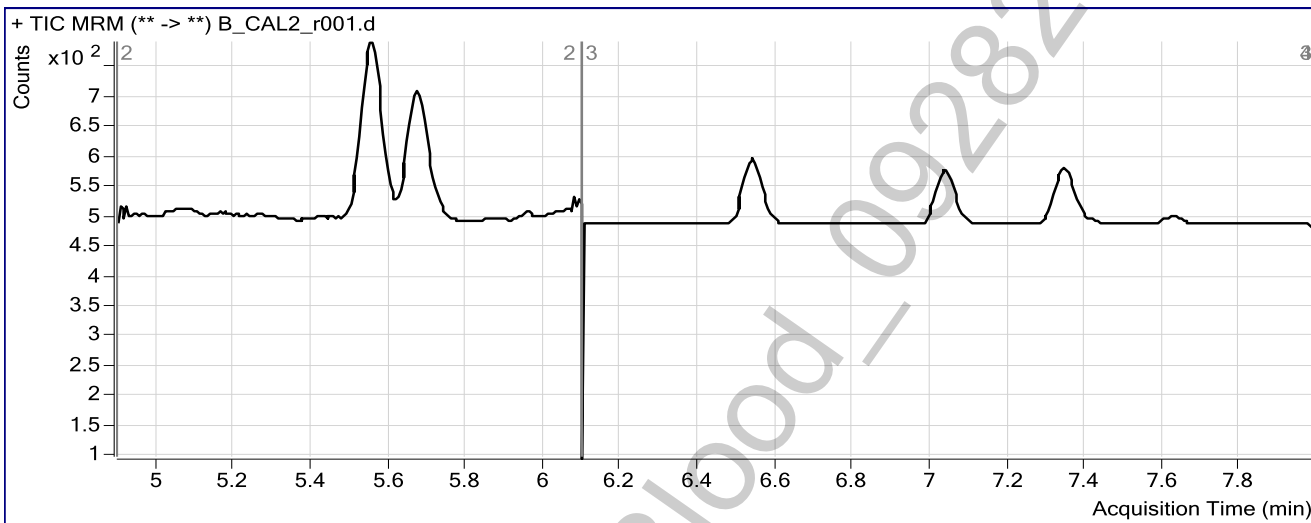
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 15:53 **Data File** B_CAL2_r001.d
Sample Type Calibration **Sample Name** Blood: 2_10 ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-A3 **Sample Info** c-THC @10ng/mL, all others @2 ng/mL
Inj Vol -1 **Comment**

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|----------------|-------|----------|-----------|------------|------------|
| OH-THC | OH-THC-d3 | 5.565 | 188 | 681 | 0.2755 | 1.8740 |
| THC-COOH | THC-COOH-d3 | 5.680 | 162 | 150 | 1.0768 | 9.2470 |
| Cannabidiol | Cannabidiol-d3 | 6.544 | 36 | 138 | 0.2602 | 2.2814 |
| Cannabinol | Cannabinol-d3 | 7.046 | 46 | 182 | 0.2534 | 1.8210 |
| THC | THC-d3 | 7.345 | 33 | 122 | 0.2737 | 2.2446 |

2

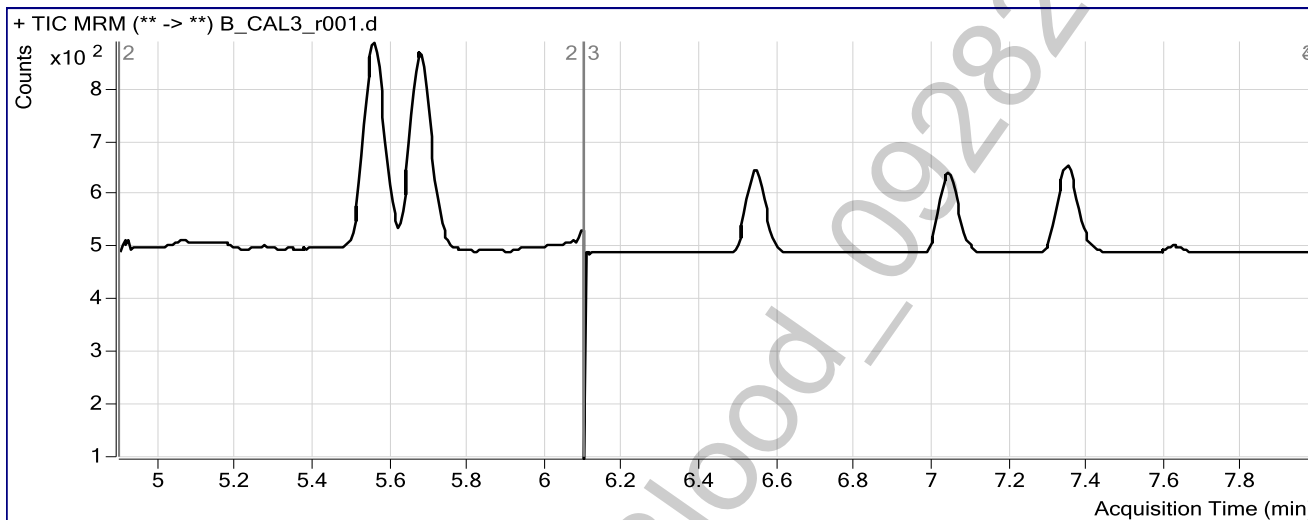
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 16:06 **Data File** B_CAL3_r001.d
Sample Type Calibration **Sample Name** Blood: 5_25 ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-A4 **Sample Info** c-THC @25ng/mL, all others @5 ng/mL
Inj Vol -1 **Comment**

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|----------------|-------|----------|-----------|------------|------------|
| OH-THC | OH-THC-d3 | 5.565 | 503 | 653 | 0.7708 | 5.3063 |
| THC-COOH | THC-COOH-d3 | 5.680 | 416 | 142 | 2.9368 | 25.8988 |
| Cannabidiol | Cannabidiol-d3 | 6.544 | 85 | 138 | 0.6156 | 5.3661 |
| Cannabinol | Cannabinol-d3 | 7.046 | 152 | 262 | 0.5789 | 4.7646 |
| THC | THC-d3 | 7.351 | 101 | 177 | 0.5687 | 4.7627 |

2

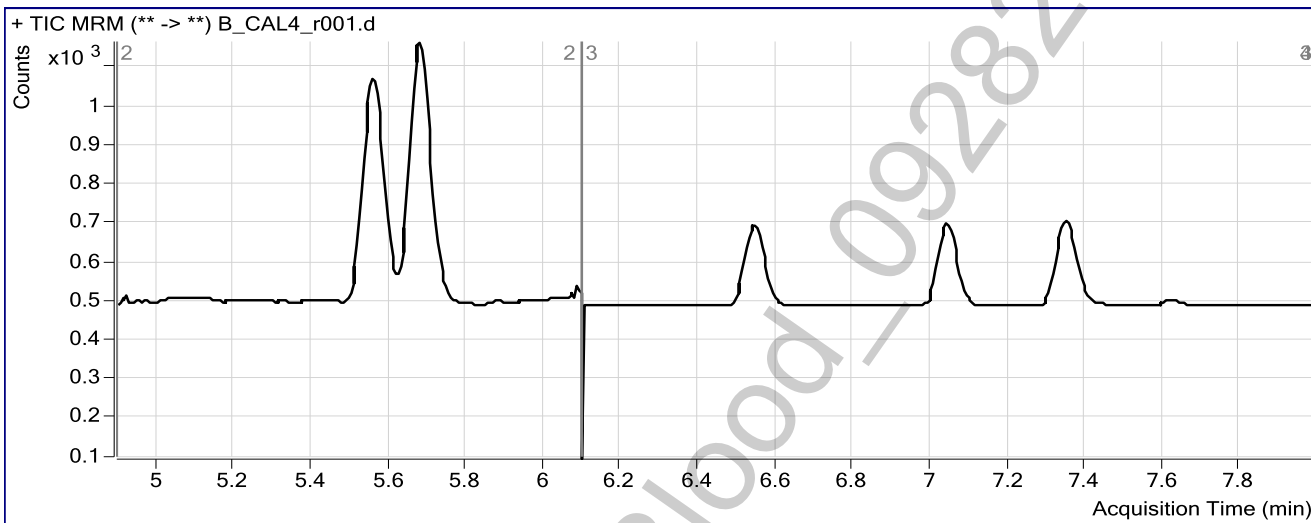
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 16:19 **Data File** B_CAL4_r001.d
Sample Type Calibration **Sample Name** Blood: 10_50 ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-A5 **Sample Info** c-THC @50ng/mL, all others @10 ng/mL
Inj Vol -1 **Comment**

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|----------------|-------|----------|-----------|------------|------------|
| OH-THC | OH-THC-d3 | 5.565 | 1007 | 658 | 1.5300 | 10.5670 |
| THC-COOH | THC-COOH-d3 | 5.680 | 817 | 123 | 6.6567 | 59.2030 |
| Cannabidiol | Cannabidiol-d3 | 6.544 | 149 | 154 | 0.9645 | 8.3942 |
| Cannabinol | Cannabinol-d3 | 7.046 | 295 | 225 | 1.3111 | 11.3842 |
| THC | THC-d3 | 7.351 | 198 | 151 | 1.3143 | 11.1268 |

2

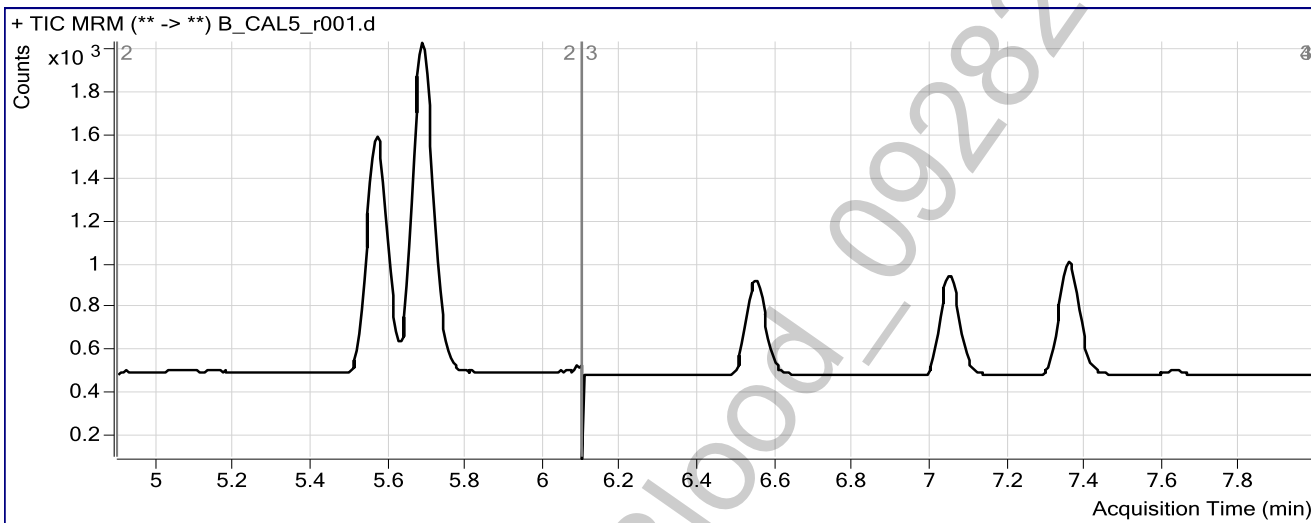
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 16:32 **Data File** B_CAL5_r001.d
Sample Type Calibration **Sample Name** Blood: 25_125 ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-A6 **Sample Info** c-THC @125ng/mL, all others @25 ng/mL
Inj Vol -1 **Comment**

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|----------------|-------|----------|-----------|------------|------------|
| OH-THC | OH-THC-d3 | 5.571 | 2452 | 630 | 3.8935 | 26.9446 |
| THC-COOH | THC-COOH-d3 | 5.686 | 2046 | 139 | 14.7334 | 131.5124 |
| Cannabidiol | Cannabidiol-d3 | 6.550 | 495 | 166 | 2.9786 | 25.8763 |
| Cannabinol | Cannabinol-d3 | 7.051 | 837 | 287 | 2.9187 | 25.9204 |
| THC | THC-d3 | 7.357 | 608 | 201 | 3.0198 | 25.6849 |

2

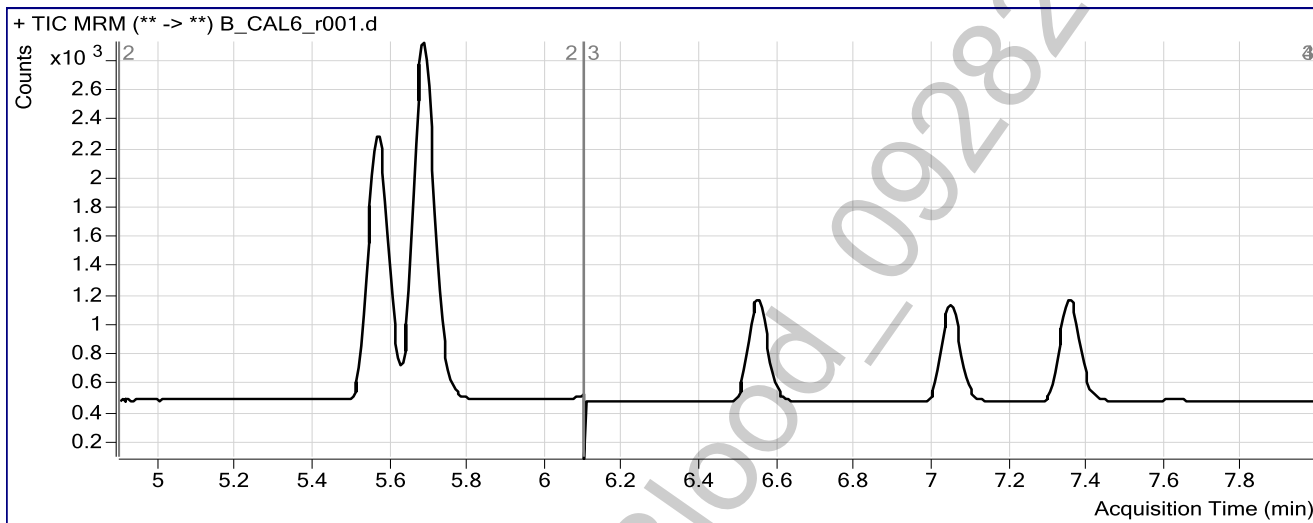
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 16:46 **Data File** B_CAL6_r001.d
Sample Type Calibration **Sample Name** Blood: 50_250 ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-A7 **Sample Info** c-THC @250ng/mL, all others @50 ng/mL
Inj Vol -1 **Comment**

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|----------------|-------|----------|-----------|------------|------------|
| OH-THC | OH-THC-d3 | 5.571 | 4409 | 658 | 6.6980 | 46.3781 |
| THC-COOH | THC-COOH-d3 | 5.686 | 3437 | 134 | 25.6821 | 229.5342 |
| Cannabidiol | Cannabidiol-d3 | 6.550 | 814 | 175 | 4.6630 | 40.4970 |
| Cannabinol | Cannabinol-d3 | 7.046 | 1344 | 255 | 5.2649 | 47.1335 |
| THC | THC-d3 | 7.351 | 913 | 196 | 4.6512 | 39.6097 |

2

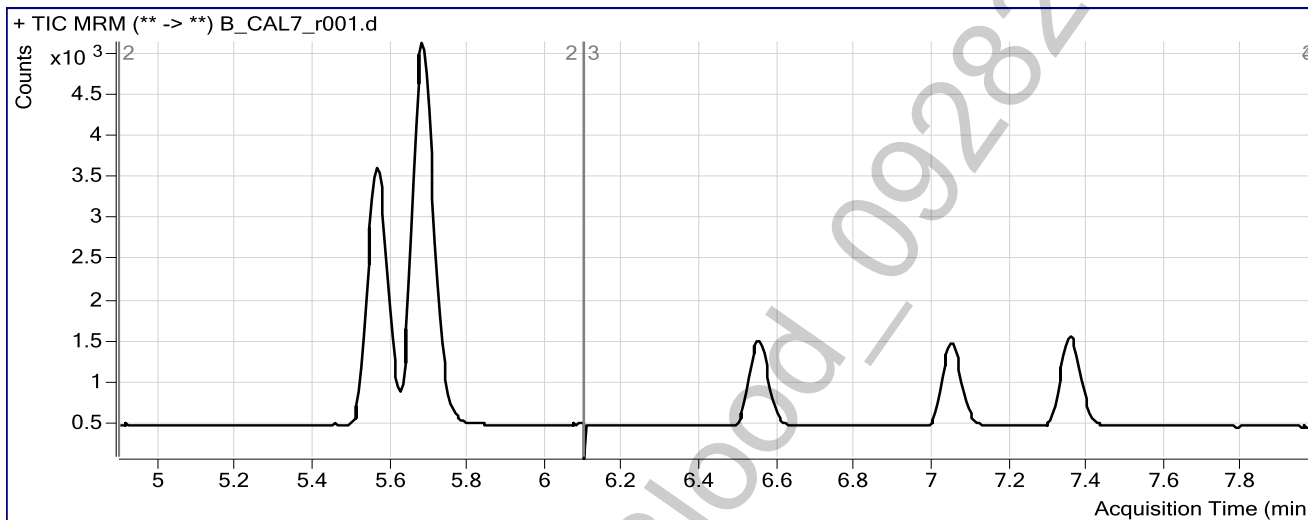
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 16:59 **Data File** B_CAL7_r001.d
Sample Type Calibration **Sample Name** Blood: 100_500 ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-A8 **Sample Info** c-THC @500ng/mL, all others @100 ng/mL
Inj Vol -1 **Comment**

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|----------------|-------|----------|-----------|------------|------------|
| OH-THC | OH-THC-d3 | 5.565 | 8001 | 598 | 13.3835 | 92.7052 |
| THC-COOH | THC-COOH-d3 | 5.680 | 6844 | 140 | 48.7530 | 436.0840 |
| Cannabidiol | Cannabidiol-d3 | 6.550 | 1299 | 115 | 11.3080 | 98.1747 |
| Cannabinol | Cannabinol-d3 | 7.051 | 2186 | 201 | 10.8737 | 97.8473 |
| THC | THC-d3 | 7.351 | 1422 | 143 | 9.9405 | 84.7576 |

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ISP FORENSICS

Pocatello

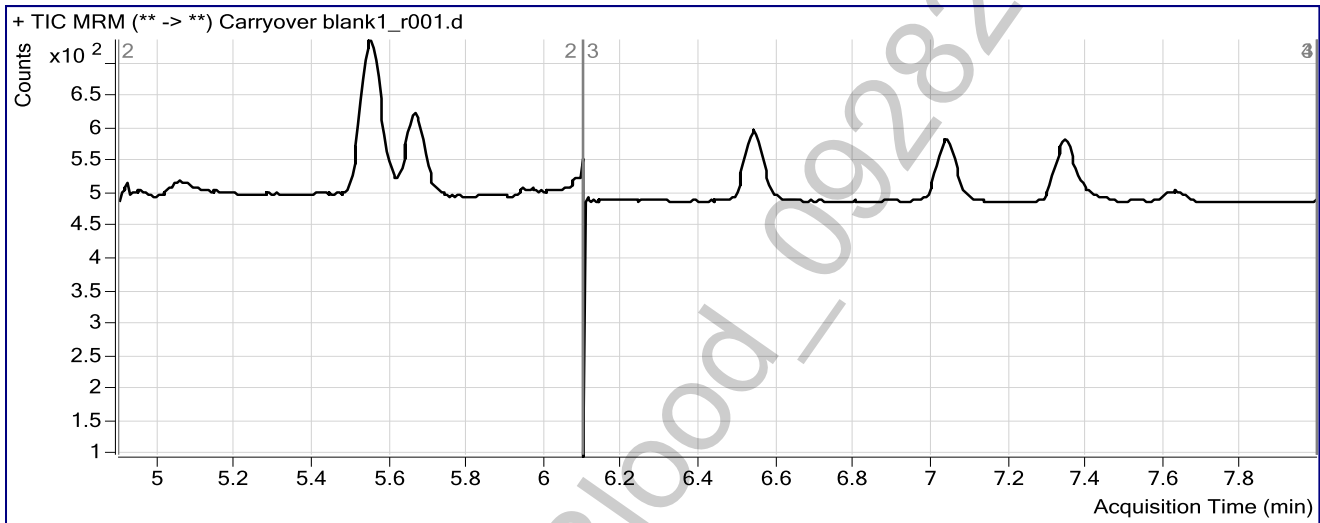
Cannabinoid Analysis Report

| | | | |
|--------------------------|--|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin | | |
| Analysis Time | 9/29/2015 8:34 AM | Analyst Name | datastor |
| Report Time | 9/29/2015 8:37 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 8:34 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|--------------------------|
| Acq Time | 2015-09-28 17:12 | Data File | Carryover blank1_r001.d |
| Sample Type | Blank | Sample Name | Blank |
| Dilution | 1 | Acq Method | isp blood cannabinoids.m |
| Position | P1-A1 | Sample Info | |
| Inj Vol | -1 | Comment | |

Sample Chromatogram



2

ISP FORENSICS

Pocatello

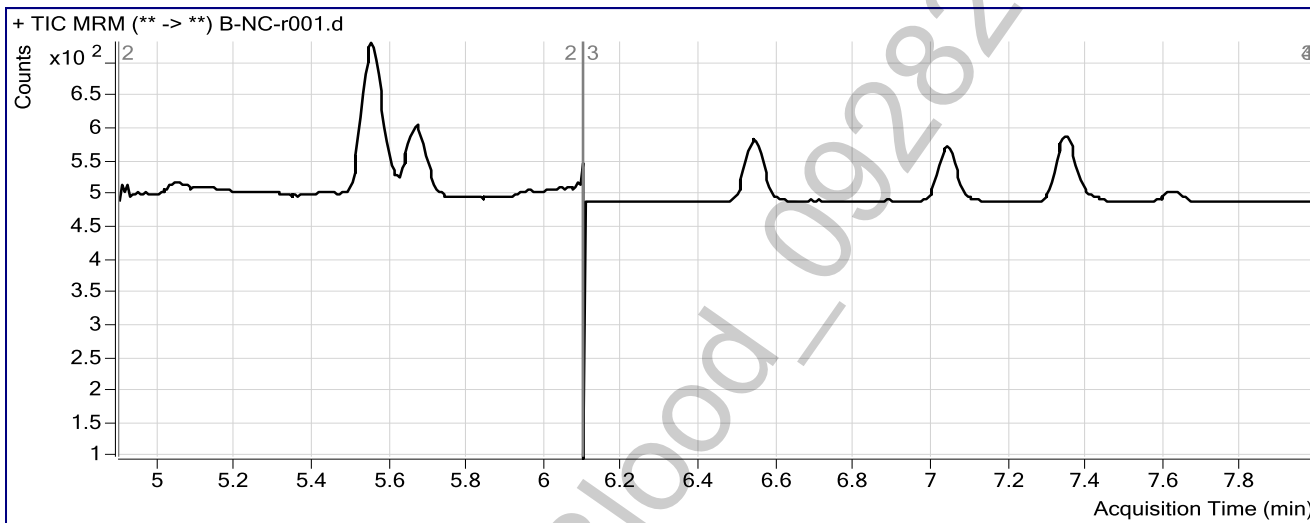
Cannabinoid Analysis Report

| | | | |
|--------------------------|--|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin | | |
| Analysis Time | 9/29/2015 8:34 AM | Analyst Name | datastor |
| Report Time | 9/29/2015 8:37 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 8:34 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|-------------------------------|
| Acq Time | 2015-09-28 17:25 | Data File | B-NC-r001.d |
| Sample Type | Sample | Sample Name | Blood Negative Control |
| Dilution | 1 | Acq Method | isp blood cannabinoids.m |
| Position | P1-A9 | Sample Info | Negative Blood UTAK Lot B0689 |
| Inj Vol | -1 | Comment | |

Sample Chromatogram



POC_AM 6.1.2_Blood_09282015_CDS

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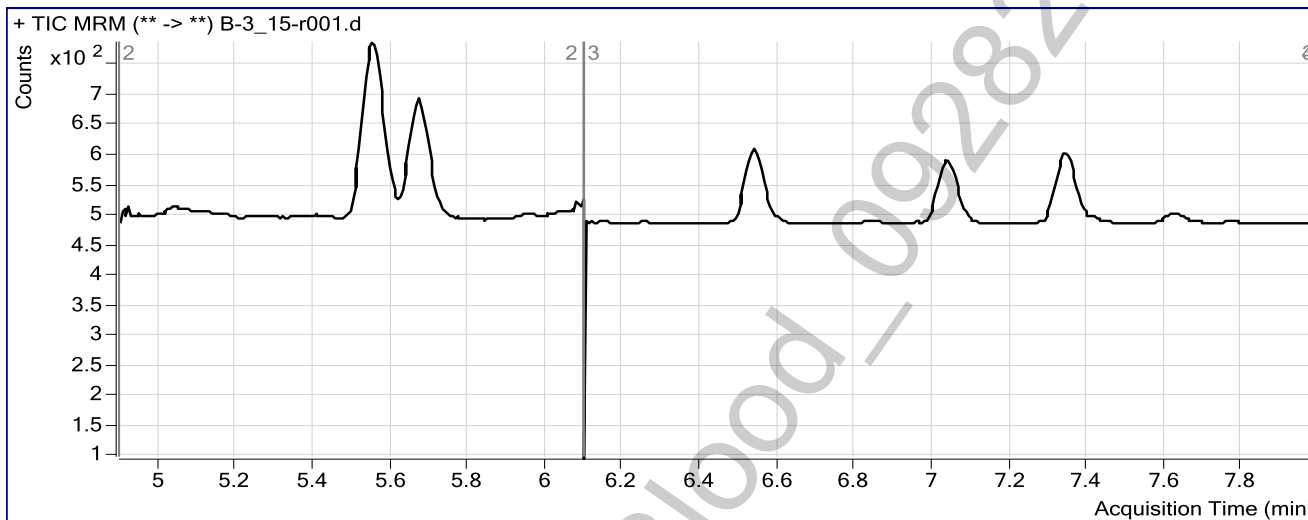
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 17:38 **Data File** B-3_15-r001.d
Sample Type Sample **Sample Name** Blood 3_15ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-B1 **Sample Info** c-THC @15ng/mL, all others @3 ng/mL
Inj Vol -1 **Comment**

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc * |
|-------------|----------------|-------|----------|-----------|------------|--------------|
| OH-THC | OH-THC-d3 | 5.565 | 226 | 691 | 0.3264 | 2.2263 |
| THC-COOH | THC-COOH-d3 | 5.680 | 144 | 138 | 1.0465 | 8.9760 |
| Cannabidiol | Cannabidiol-d3 | 6.544 | 29 | 159 | 0.1801 | 1.5861 |
| Cannabinol | Cannabinol-d3 | 7.040 | 57 | 200 | 0.2864 | 2.1195 |
| THC | THC-d3 | 7.345 | 36 | 152 | 0.2353 | 1.9172 |

*Concentrations are not within 20% of the target value. However, can be use for qualitative use as all criteria is met.

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ISP FORENSICS

Pocatello

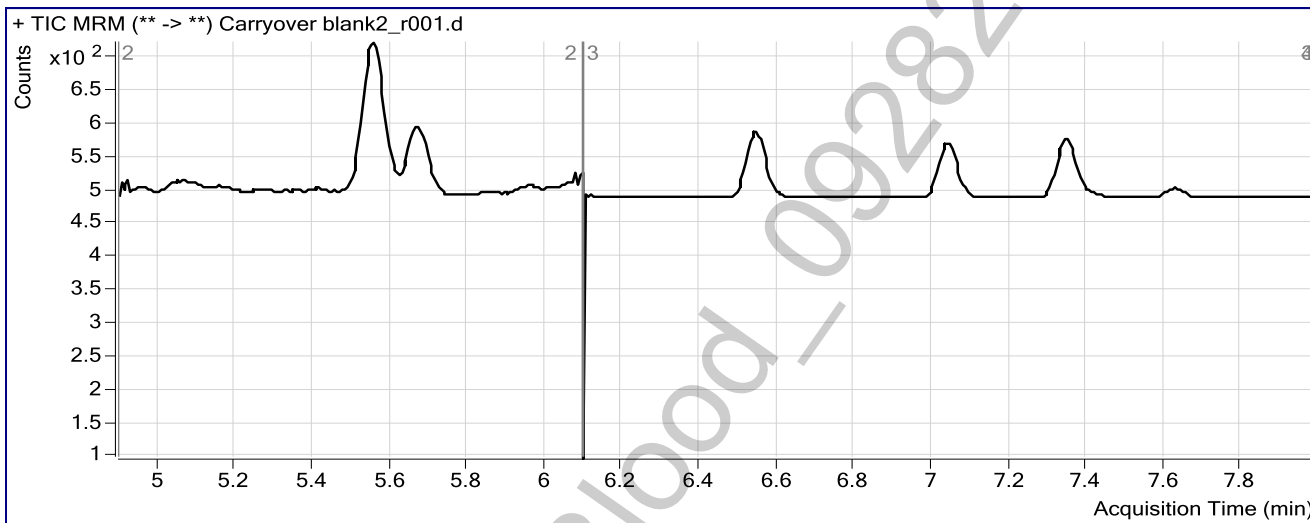
Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 18:44 **Data File** Carryover blank2_r001.d
Sample Type Blank **Sample Name** Blank
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-A9 **Sample Info**
Inj Vol -1 **Comment**

Sample Chromatogram



POC_AM 6.1.2_Blood_09282015_CDS

2

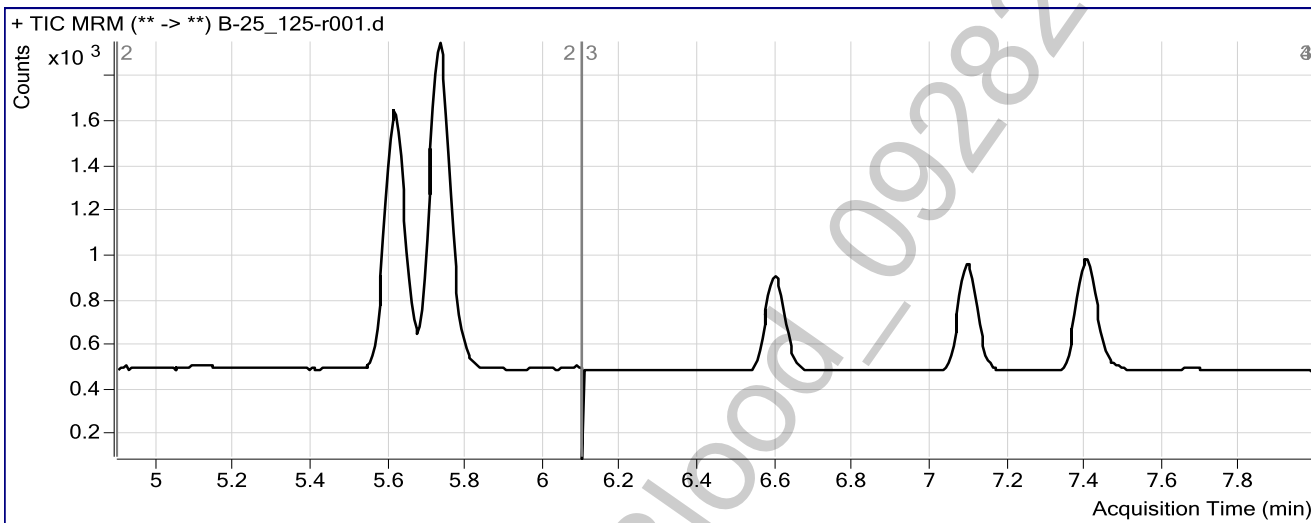
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin
Analysis Time 9/29/2015 8:34 AM **Analyst Name** datastor
Report Time 9/29/2015 8:37 AM **Reporter Name** ISPUser
Last Calib Update 9/29/2015 8:34 AM **Batch State** Processed

Analysis Info

Acq Time 2015-09-28 18:57 **Data File** B-25_125-r001.d
Sample Type Sample **Sample Name** Blood 25_125ngmL
Dilution 1 **Acq Method** isp blood cannabinoids.m
Position P1-B2 **Sample Info** c-THC @125ng/mL, all others @25 ng/mL
Inj Vol -1 **Comment**

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|----------------|-------|----------|-----------|------------|------------|
| OH-THC | OH-THC-d3 | 5.621 | 2592 | 618 | 4.1937 | 29.0249 |
| THC-COOH | THC-COOH-d3 | 5.731 | 1890 | 151 | 12.5545 | 112.0044 |
| Cannabidiol | Cannabidiol-d3 | 6.595 | 439 | 166 | 2.6498 | 23.0228 |
| Cannabinol | Cannabinol-d3 | 7.096 | 907 | 280 | 3.2354 | 28.7835 |
| THC | THC-d3 | 7.401 | 575 | 197 | 2.9240 | 24.8666 |

2

ISP FORENSICS

Pocatello

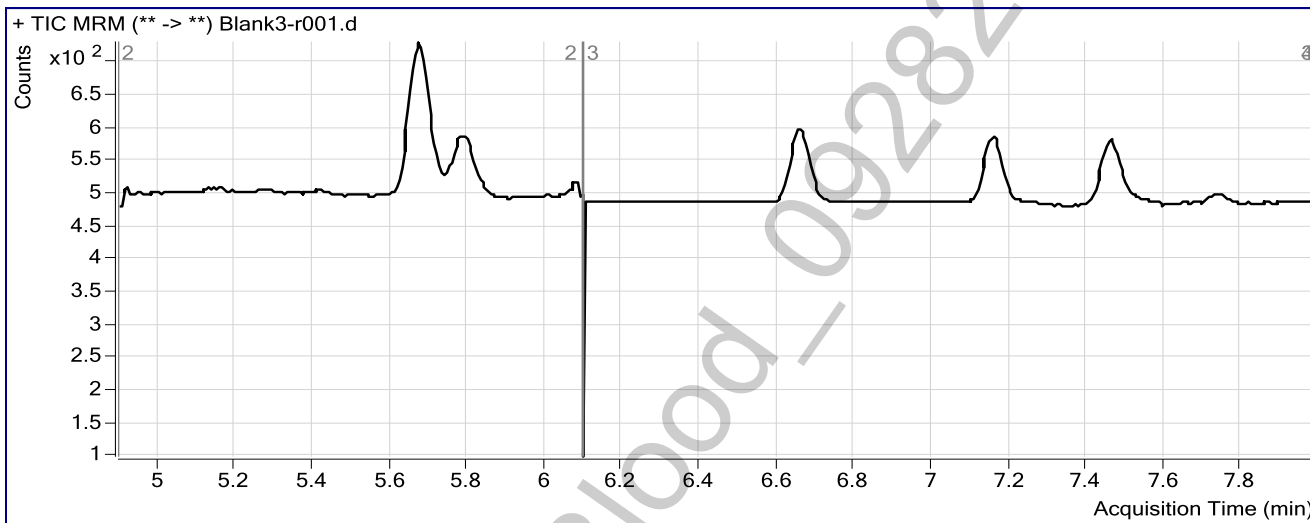
Cannabinoid Analysis Report

| | | | |
|--------------------------|--|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin | | |
| Analysis Time | 9/29/2015 8:34 AM | Analyst Name | datastor |
| Report Time | 9/29/2015 8:37 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 8:34 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|--------------------------|
| Acq Time | 2015-09-28 19:37 | Data File | Blank3-r001.d |
| Sample Type | Blank | Sample Name | Blank |
| Dilution | 1 | Acq Method | isp blood cannabinoids.m |
| Position | P1-A1 | Sample Info | |
| Inj Vol | -1 | Comment | |

Sample Chromatogram



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ISP FORENSICS

Pocatello

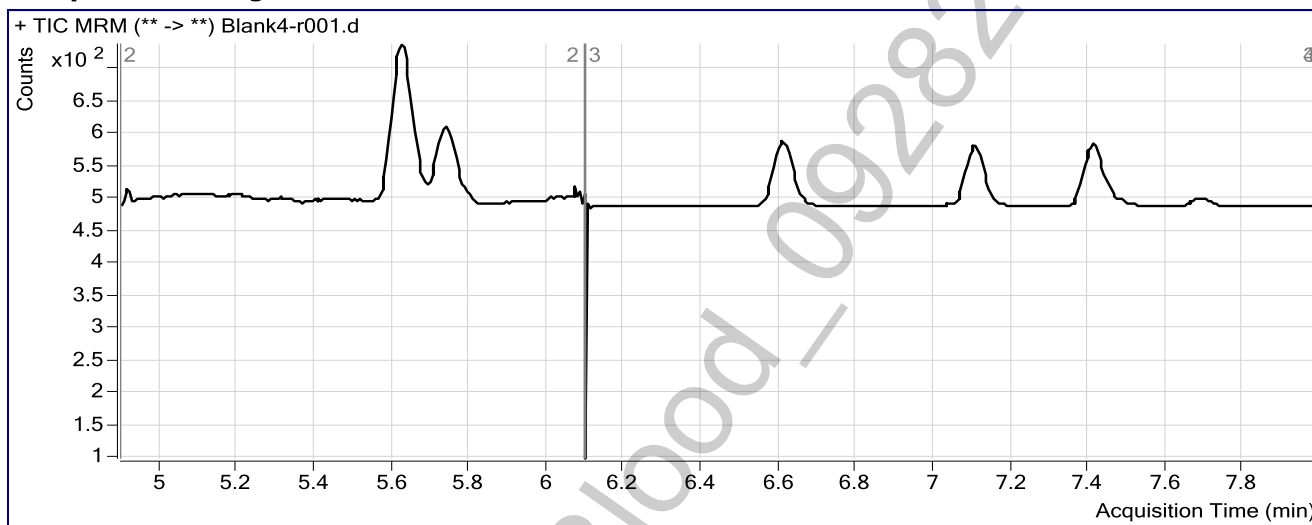
Cannabinoid Analysis Report

| | | | |
|--------------------------|--|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\CANN\CANN-092815 CS\QuantResults\CANN-B 092815 CS.batch.bin | | |
| Analysis Time | 9/29/2015 8:34 AM | Analyst Name | datastor |
| Report Time | 9/29/2015 8:37 AM | Reporter Name | ISPUser |
| Last Calib Update | 9/29/2015 8:34 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|--------------------------|
| Acq Time | 2015-09-28 19:50 | Data File | Blank4-r001.d |
| Sample Type | Blank | Sample Name | Blank |
| Dilution | 1 | Acq Method | isp blood cannabinoids.m |
| Position | P1-A1 | Sample Info | |
| Inj Vol | -1 | Comment | |

Sample Chromatogram



POC_AM 6.1.2_Blood_09282015_CDS