










Worklist: 1109

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2016-0244	2	56101	6.1.2 Blood Cannabinoids by LC	
P2015-2558	1	56102	6.1.2 Blood Cannabinoids by LC	
P2016-0147	1	56103	6.1.2 Blood Cannabinoids by LC	
P2016-0150	1	56104	6.1.2 Blood Cannabinoids by LC	
P2016-0172	1	56105	6.1.2 Blood Cannabinoids by LC	
P2016-0173	1	56106	6.1.2 Blood Cannabinoids by LC	
P2016-0175	1	56107	6.1.2 Blood Cannabinoids by LC	
P2016-0180	1	56108	6.1.2 Blood Cannabinoids by LC	
P2016-0223	1	56109	6.1.2 Blood Cannabinoids by LC	

Reviewed 5-6-16



Worklist Report

Worklist Path:	C:\MassHunter\ISP Methods\worklists\050416 CANN.wkl
Date Modified:	05/04/2016 12:34:09 PM
Date Printed:	05/06/2016 11:49:59 AM

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
DA Method Path:	D:\MassHunter\methods
Data File Path:	C:\MassHunter\Data\2016\CANN\050416 CANN CS
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.
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Blank1-r000.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Blank1-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Blank2-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A2	Blood: 1_5 ng/mL	isp blood cannabinoids Poky 2016-1.m	B_CAL1-r001.d	Calibration	1	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @5ng/mL, all others @1 ng/mL
P2-A3			B_CAL2_r001.d	Calibration	2		

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
P2-B9	P2016-0180-1	isp blood cannabinoids Poky 2016-1.m	P2016-0180-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0223-1	isp blood cannabinoids Poky 2016-1.m	P2016-0223-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-C1	P2016-0223-1	isp blood cannabinoids Poky 2016-1.m	P2016-0223-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Blank3-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	Blood

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin

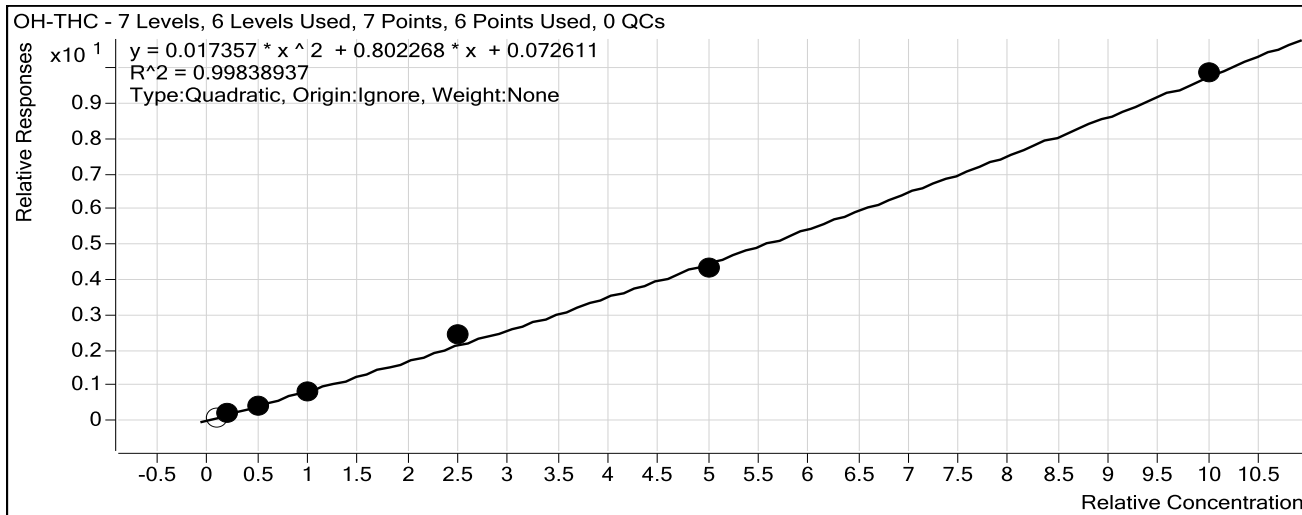
Last Calib Update 5/5/2016 12:38 PM

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 type="checkbox"/>	1	0.4	42.9
Blood: 2_10 ng/mL	2	<input checked="" type="checkbox"/>	2	1.7	84.1
Blood: 5_25 ng/mL	3	<input checked="" type="checkbox"/>	5	4.3	85.6
Blood: 10_50 ng/mL	4	<input checked="" type="checkbox"/>	10	9.6	95.6
Blood: 25_125 ng/mL	5	<input checked="" type="checkbox"/>	25	28.0	112.1
Blood: 50_250 ng/mL	6	<input checked="" type="checkbox"/>	50	48.2	96.4
Blood: 100_500 ng/mL	7	<input checked="" type="checkbox"/>	100	100.2	100.2

ISP Forensics Calibration Curve Report

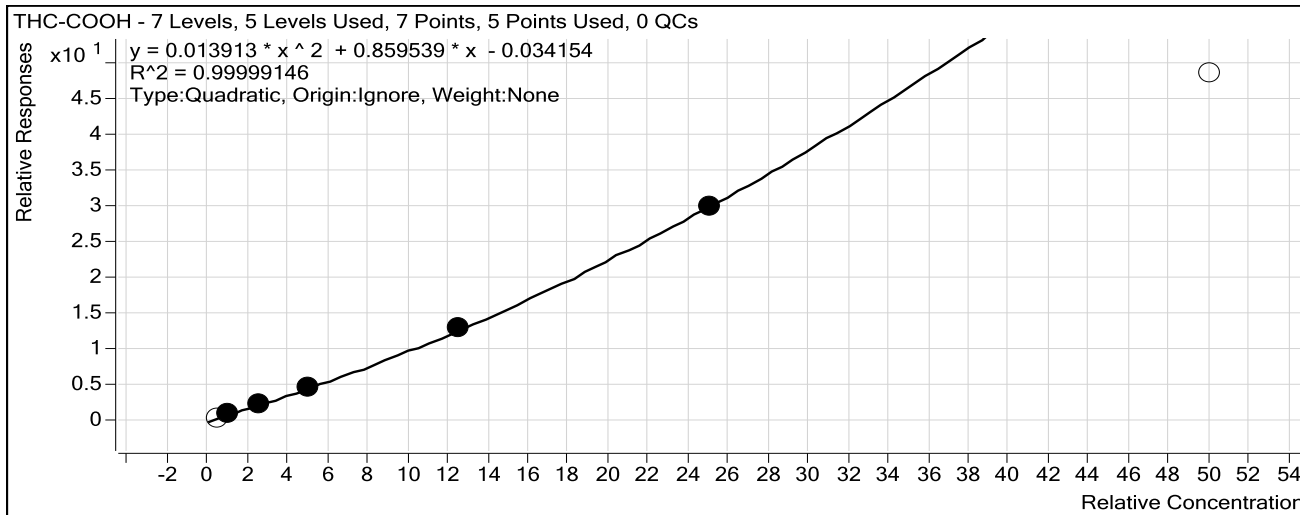
Batch Data Path C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin

Last Calib Update 5/5/2016 12:38 PM

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 type="checkbox"/>	5	4.9	97.3
Blood: 2_10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	101.8
Blood: 5_25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.2	100.9
Blood: 10_50 ng/mL	4	<input checked="" type="checkbox"/>	50	49.4	98.8
Blood: 25_125 ng/mL	5	<input checked="" type="checkbox"/>	125	125.2	100.2
Blood: 50_250 ng/mL	6	<input checked="" type="checkbox"/>	250	250.0	100.0
Blood: 100_500 ng/mL	7	<input type="checkbox"/>	500	358.4	71.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin

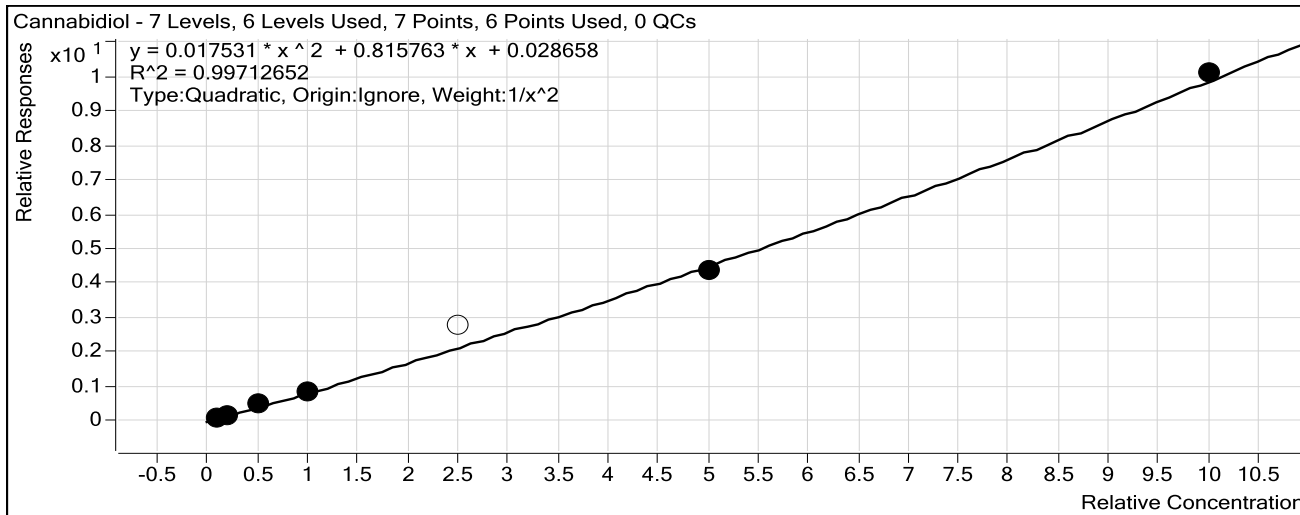
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Analyst Name

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	1.0	102.0
Blood: 2_10 ng/mL	2	<input checked="" type="checkbox"/>	2	1.9	93.4
Blood: 5_25 ng/mL	3	<input checked="" type="checkbox"/>	5	5.3	106.9
Blood: 10_50 ng/mL	4	<input checked="" type="checkbox"/>	10	10.0	100.1
Blood: 25_125 ng/mL	5	<input type="checkbox"/>	25	31.6	126.4
Blood: 50_250 ng/mL	6	<input checked="" type="checkbox"/>	50	48.2	96.4
Blood: 100_500 ng/mL	7	<input checked="" type="checkbox"/>	100	101.4	101.4

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin

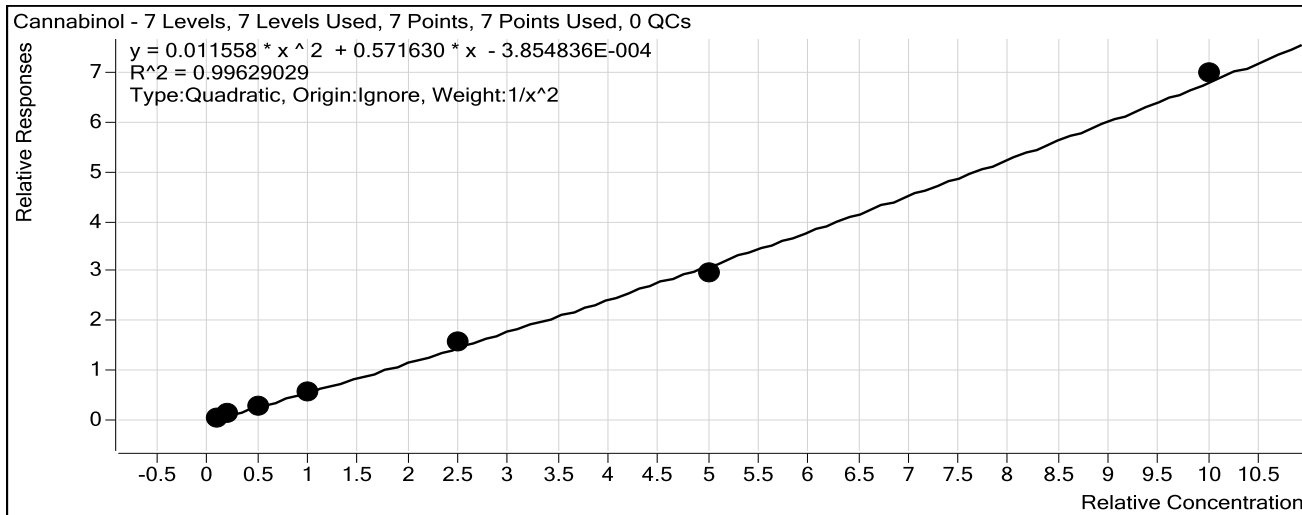
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Analyst Name

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	96.1
Blood: 2_10 ng/mL	2	<input checked="" type="checkbox"/>	2	2.2	109.5
Blood: 5_25 ng/mL	3	<input checked="" type="checkbox"/>	5	4.8	96.5
Blood: 10_50 ng/mL	4	<input checked="" type="checkbox"/>	10	9.7	97.5
Blood: 25_125 ng/mL	5	<input checked="" type="checkbox"/>	25	26.0	104.0
Blood: 50_250 ng/mL	6	<input checked="" type="checkbox"/>	50	47.4	94.8
Blood: 100_500 ng/mL	7	<input checked="" type="checkbox"/>	100	101.6	101.6

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin

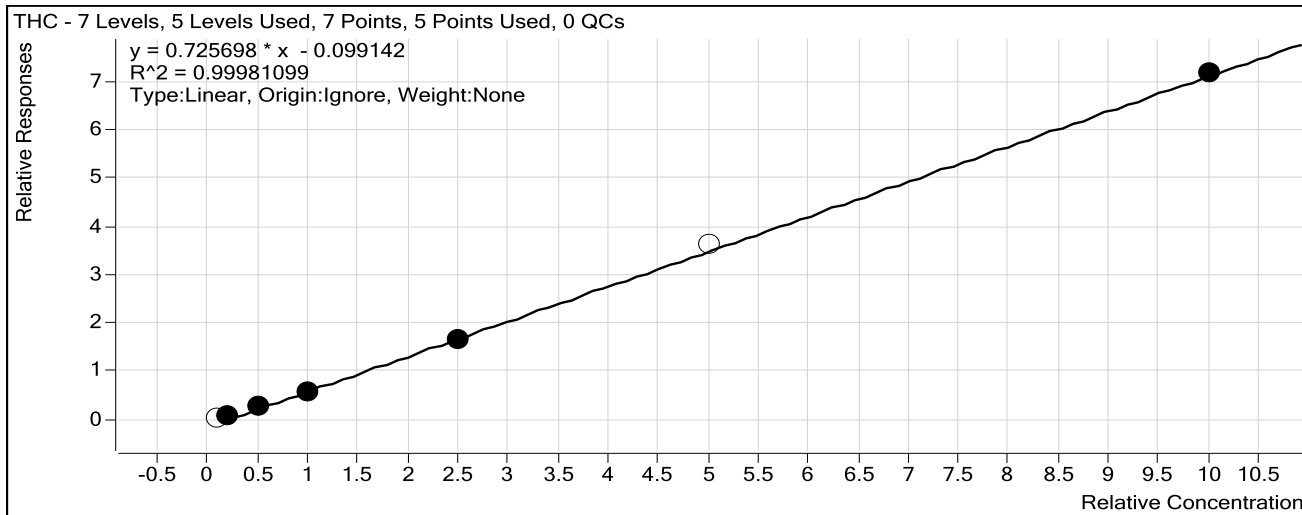
Last Calib Update 5/5/2016 12:38 PM

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 type="checkbox"/>	1	2.2	215.4
Blood: 2_10 ng/mL	2	<input checked="" type="checkbox"/>	2	2.4	117.9
Blood: 5_25 ng/mL	3	<input checked="" type="checkbox"/>	5	5.6	111.9
Blood: 10_50 ng/mL	4	<input checked="" type="checkbox"/>	10	9.6	96.4
Blood: 25_125 ng/mL	5	<input checked="" type="checkbox"/>	25	24.2	96.9
Blood: 50_250 ng/mL	6	<input type="checkbox"/>	50	51.3	102.7
Blood: 100_500 ng/mL	7	<input checked="" type="checkbox"/>	100	100.2	100.2

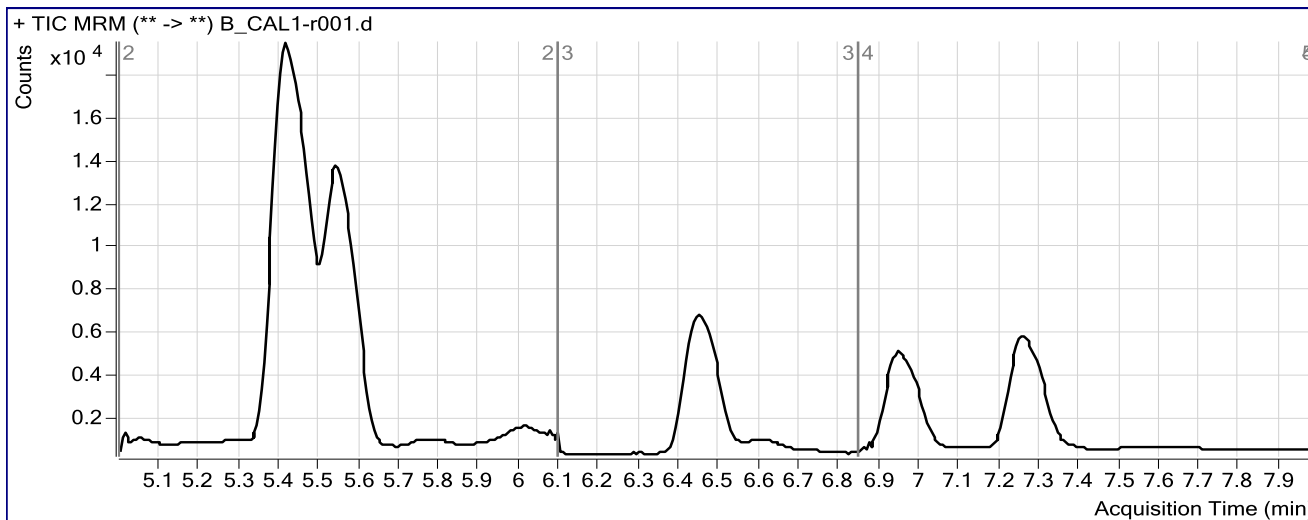
ISP FORENSICS Pocatello Cannabinoid Analysis Report

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Analysis Time	5/5/2016 12:38 PM	Analyst Name	ISPUser
Report Time	5/5/2016 12:40 PM	Reporter Name	ISPUser
Last Calib Update	5/5/2016 12:38 PM	Batch State	Processed

Analysis Info

Acq Time	2016-05-04 13:15	Data File	B_CAL1-r001.d
Sample Type	Calibration	Sample Name	Blood: 1_5 ng/mL
Dilution	1	Acq Method	isp blood cannabinoids Poky 2016-1.m
Position	P2-A2	Sample Info	c-THC @5ng/mL, all others @1 ng/mL
Inj Vol	-1	Comment	AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
OH-THC	OH-THC-d3	5.432	9620	89881	0.1070	0.4286
THC-COOH	THC-COOH-d3	5.552	7854	20285	0.3872	4.8638
Cannabidiol	Cannabidiol-d3	6.459	1043	9313	0.1120	1.0196
Cannabinol	Cannabinol-d3	6.950	1011	18491	0.0547	0.9614
THC	THC-d3	7.250	758	13246	0.0572	2.1542

ISP FORENSICS

Pocatello

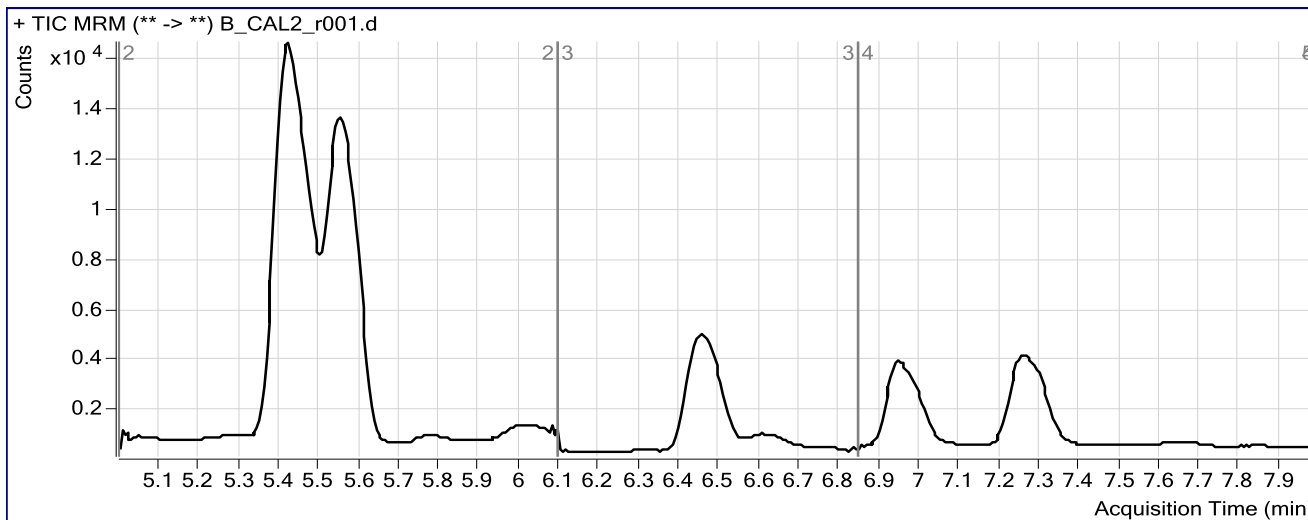
Cannabinoid Analysis Report

Batch Data Path	C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin		
Analysis Time	5/5/2016 12:38 PM	Analyst Name	ISPUser
Report Time	5/5/2016 12:40 PM	Reporter Name	ISPUser
Last Calib Update	5/5/2016 12:38 PM	Batch State	Processed

Analysis Info

Acq Time	2016-05-04 13:29	Data File	B_CAL2_r001.d
Sample Type	Calibration	Sample Name	Blood: 2_10 ng/mL
Dilution	1	Acq Method	isp blood cannabinoids Poky 2016-1.m
Position	P2-A3	Sample Info	c-THC @10ng/mL, all others @2 ng/mL
Inj Vol	-1	Comment	AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
OH-THC	OH-THC-d3	5.432	14148	67999	0.2081	1.6822
THC-COOH	THC-COOH-d3	5.558	12165	14223	0.8553	10.1799
Cannabidiol	Cannabidiol-d3	6.459	1206	6639	0.1817	1.8687
Cannabinol	Cannabinol-d3	6.955	1528	12195	0.1253	2.1893
THC	THC-d3	7.261	637	8848	0.0720	2.3584

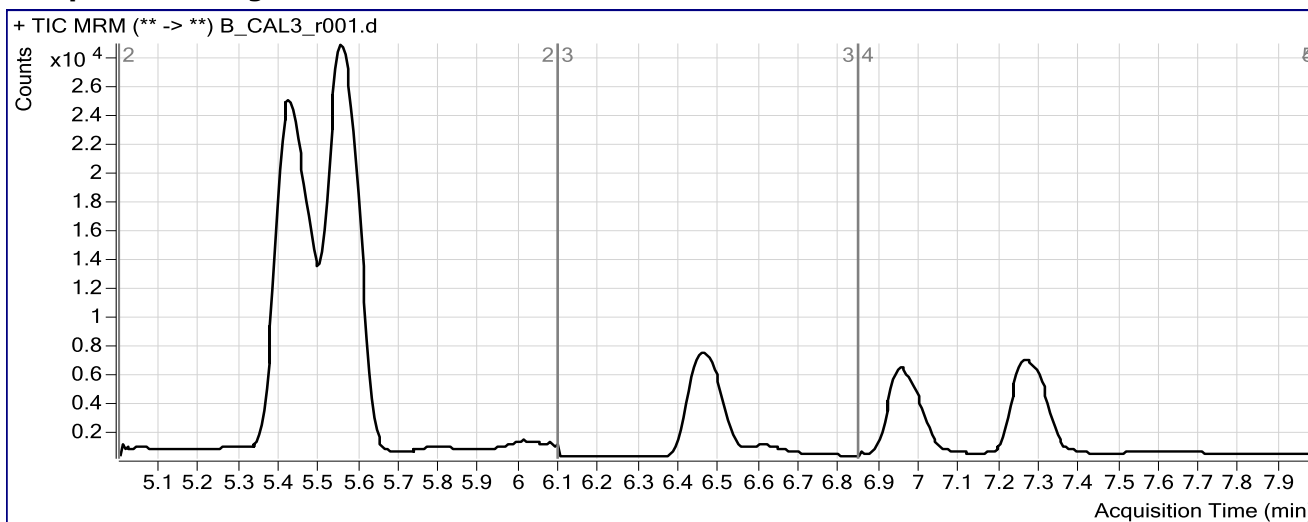
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin
Analysis Time 5/5/2016 12:38 PM **Analyst Name** ISPUser
Report Time 5/5/2016 12:40 PM **Reporter Name** ISPUser
Last Calib Update 5/5/2016 12:38 PM **Batch State** Processed

Analysis Info

Acq Time 2016-05-04 13:42 **Data File** B_CAL3_r001.d
Sample Type Calibration **Sample Name** Blood: 5_25 ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids Poky 2016-1.m
Position P2-A4 **Sample Info** c-THC @25ng/mL, all others @5 ng/mL
Inj Vol -1 **Comment** AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
OH-THC	OH-THC-d3	5.438	35549	84834	0.4190	4.2786
THC-COOH	THC-COOH-d3	5.564	38990	17549	2.2217	25.2157
Cannabidiol	Cannabidiol-d3	6.466	4316	9193	0.4695	5.3427
Cannabinol	Cannabinol-d3	6.961	5120	18408	0.2781	4.8254
THC	THC-d3	7.272	4074	13278	0.3068	5.5943

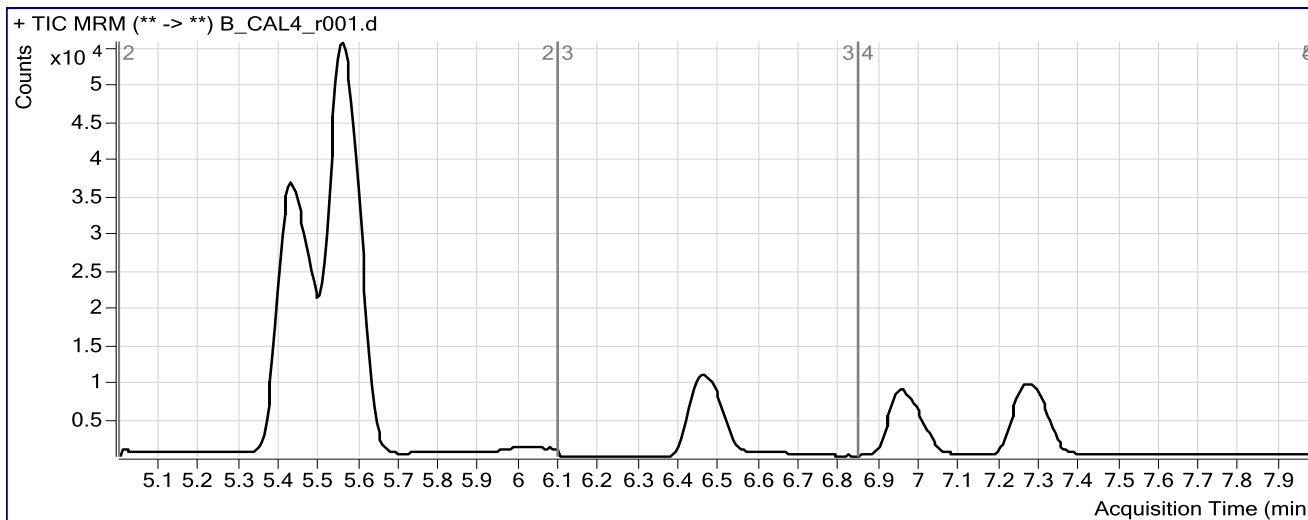
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path	C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin		
Analysis Time	5/5/2016 12:38 PM	Analyst Name	ISPUser
Report Time	5/5/2016 12:40 PM	Reporter Name	ISPUser
Last Calib Update	5/5/2016 12:38 PM	Batch State	Processed

Analysis Info

Acq Time	2016-05-04 13:55	Data File	B_CAL4_r001.d
Sample Type	Calibration	Sample Name	Blood: 10_50 ng/mL
Dilution	1	Acq Method	isp blood cannabinoids Poky 2016-1.m
Position	P2-A5	Sample Info	c-THC @50ng/mL, all others @10 ng/mL
Inj Vol	-1	Comment	AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
OH-THC	OH-THC-d3	5.438	82008	95859	0.8555	9.5608
THC-COOH	THC-COOH-d3	5.564	89705	19707	4.5519	49.4041
Cannabidiol	Cannabidiol-d3	6.466	9488	10997	0.8628	10.0097
Cannabinol	Cannabinol-d3	6.961	12292	21644	0.5679	9.7495
THC	THC-d3	7.272	9433	15714	0.6003	9.6384

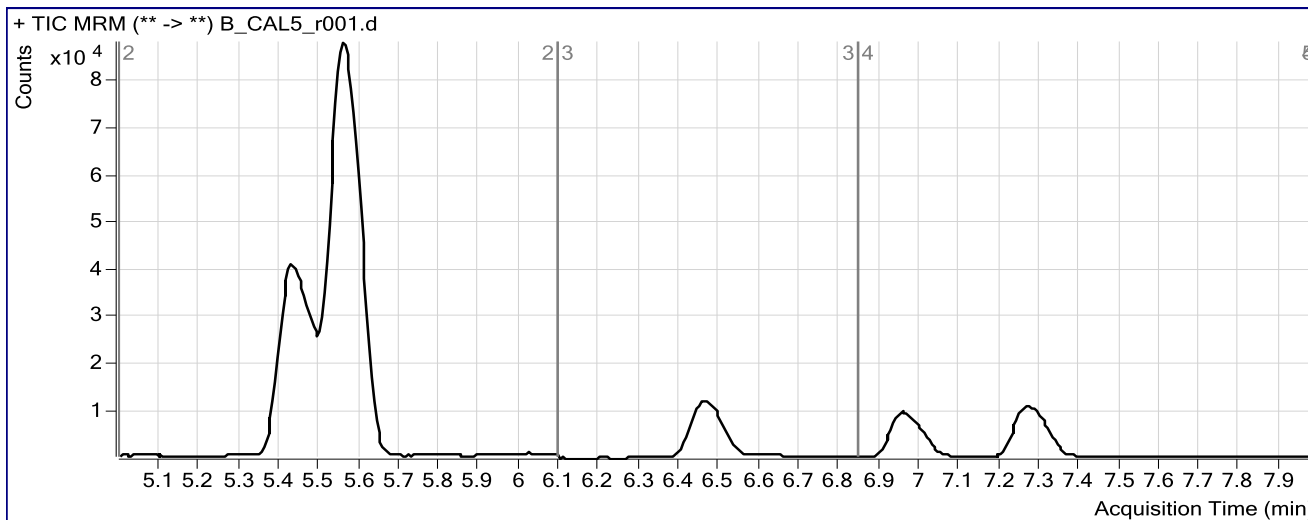
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path	C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin		
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Report Time	5/5/2016 12:40 PM	Reporter Name	ISPUser
Last Calib Update	5/5/2016 12:38 PM	Batch State	Processed

Analysis Info

Acq Time	2016-05-04 14:09	Data File	B_CAL5_r001.d
Sample Type	Calibration	Sample Name	Blood: 25_125 ng/mL
Dilution	1	Acq Method	isp blood cannabinoids Poky 2016-1.m
Position	P2-A6	Sample Info	c-THC @125ng/mL, all others @25 ng/mL
Inj Vol	-1	Comment	AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
OH-THC	OH-THC-d3	5.438	137770	56087	2.4564	28.0147
THC-COOH	THC-COOH-d3	5.564	158737	12293	12.9124	125.2350
Cannabidiol	Cannabidiol-d3	6.466	18290	6573	2.7824	31.6090
Cannabinol	Cannabinol-d3	6.961	20144	12874	1.5647	26.0120
THC	THC-d3	7.266	16324	9845	1.6580	24.2128

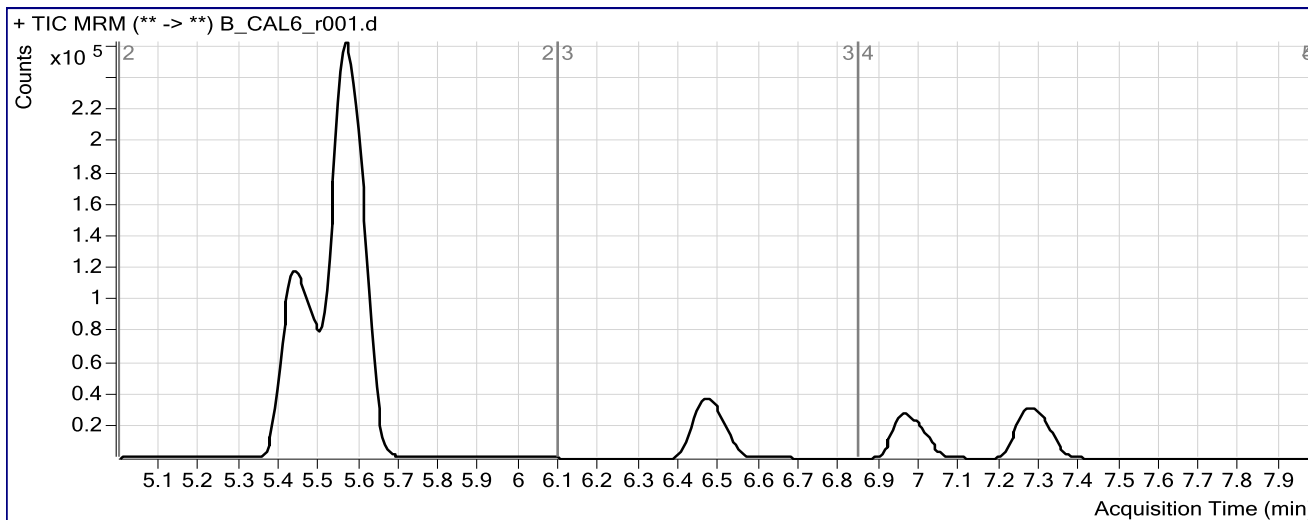
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path	C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin		
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Report Time	5/5/2016 12:40 PM	Reporter Name	ISPUser
Last Calib Update	5/5/2016 12:38 PM	Batch State	Processed

Analysis Info

Acq Time	2016-05-04 14:22	Data File	B_CAL6_r001.d
Sample Type	Calibration	Sample Name	Blood: 50_250 ng/mL
Dilution	1	Acq Method	isp blood cannabinoids Poky 2016-1.m
Position	P2-A7	Sample Info	c-THC @250ng/mL, all others @50 ng/mL
Inj Vol	-1	Comment	AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
OH-THC	OH-THC-d3	5.449	460222	105990	4.3421	48.1932
THC-COOH	THC-COOH-d3	5.569	508511	16869	30.1451	249.9682
Cannabidiol	Cannabidiol-d3	6.472	70421	16131	4.3657	48.1769
Cannabinol	Cannabinol-d3	6.967	72214	24336	2.9674	47.3790
THC	THC-d3	7.278	58202	16049	3.6266	51.3399

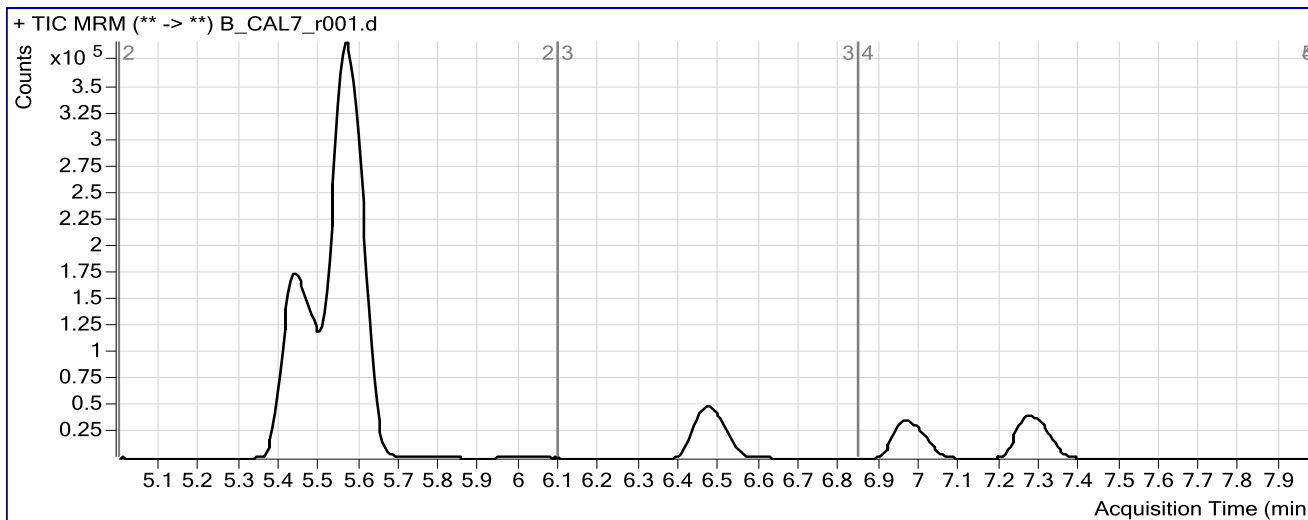
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin
Analysis Time 5/5/2016 12:38 PM **Analyst Name** ISPUser
Report Time 5/5/2016 12:40 PM **Reporter Name** ISPUser
Last Calib Update 5/5/2016 12:38 PM **Batch State** Processed

Analysis Info

Acq Time 2016-05-04 14:35 **Data File** B_CAL7_r001.d
Sample Type Calibration **Sample Name** Blood: 100_500 ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids Poky 2016-1.m
Position P2-A8 **Sample Info** c-THC @500ng/mL, all others @100 ng/mL
Inj Vol -1 **Comment** AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
OH-THC	OH-THC-d3	5.449	748260	75899	9.8586	100.2401
THC-COOH	THC-COOH-d3	5.569	753593	15490	48.6515	358.4447
Cannabidiol	Cannabidiol-d3	6.472	101620	10062	10.0993	101.3680
Cannabinol	Cannabinol-d3	6.967	104238	14884	7.0036	101.6389
THC	THC-d3	7.272	82075	11444	7.1721	100.1961

ISP FORENSICS

Pocatello

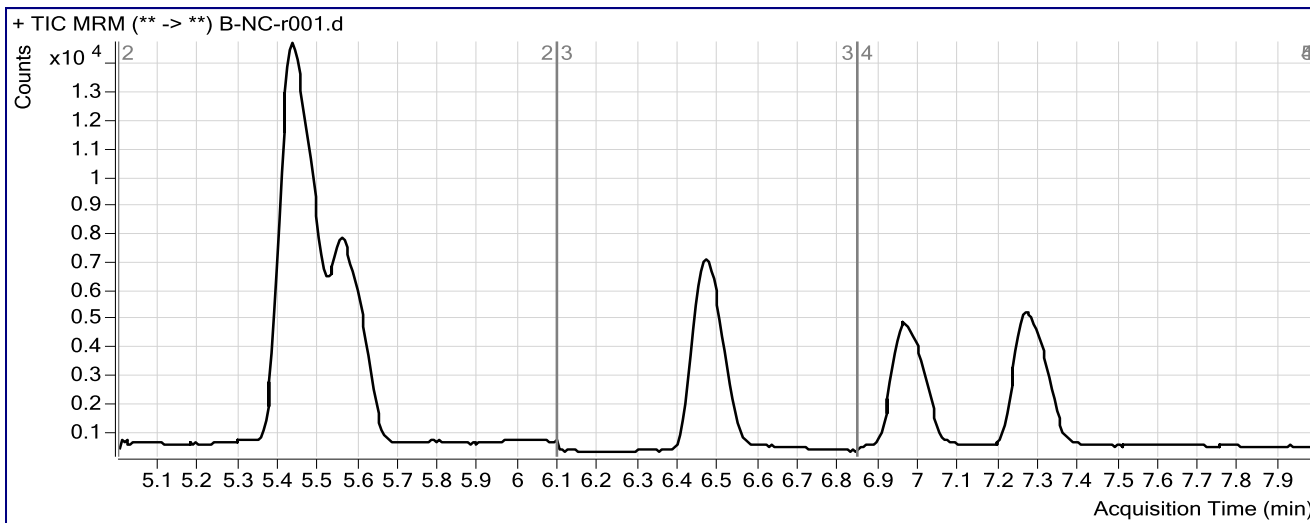
Cannabinoid Analysis Report

Batch Data Path	C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin		
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Report Time	5/5/2016 12:40 PM	Reporter Name	ISPUser
Last Calib Update	5/5/2016 12:38 PM	Batch State	Processed

Analysis Info

Acq Time	2016-05-04 15:02	Data File	B-NC-r001.d
Sample Type	Sample	Sample Name	Blood Negative Control
Dilution	1	Acq Method	isp blood cannabinoids Poky 2016-1.m
Position	P2-A9	Sample Info	Negative Blood UTAK Lot B1013
Inj Vol	-1	Comment	AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



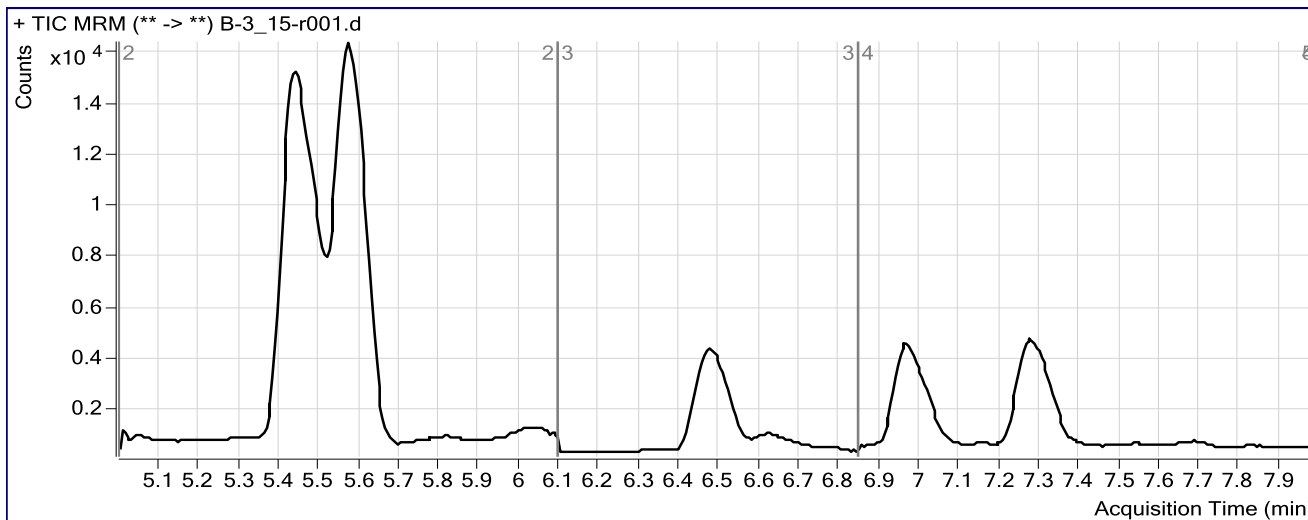
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin
Analysis Time 5/5/2016 12:38 PM **Analyst Name** ISPUser
Report Time 5/5/2016 12:41 PM **Reporter Name** ISPUser
Last Calib Update 5/5/2016 12:38 PM **Batch State** Processed

Analysis Info

Acq Time 2016-05-04 15:15 **Data File** B-3_15-r001.d
Sample Type Sample **Sample Name** Blood 3_15ngmL
Dilution 1 **Acq Method** isp blood cannabinoids Poky 2016-1.m
Position P2-B1 **Sample Info** c-THC @15ng/mL, all others @3 ng/mL
Inj Vol -1 **Comment** AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	THC-COOH-d3	5.580	16767	14961	1.1207	13.1554
Cannabinol	Cannabinol-d3	6.967	2180	11802	0.1847	3.2171
THC	THC-d3	7.272	1946	8821	0.2206	4.4059

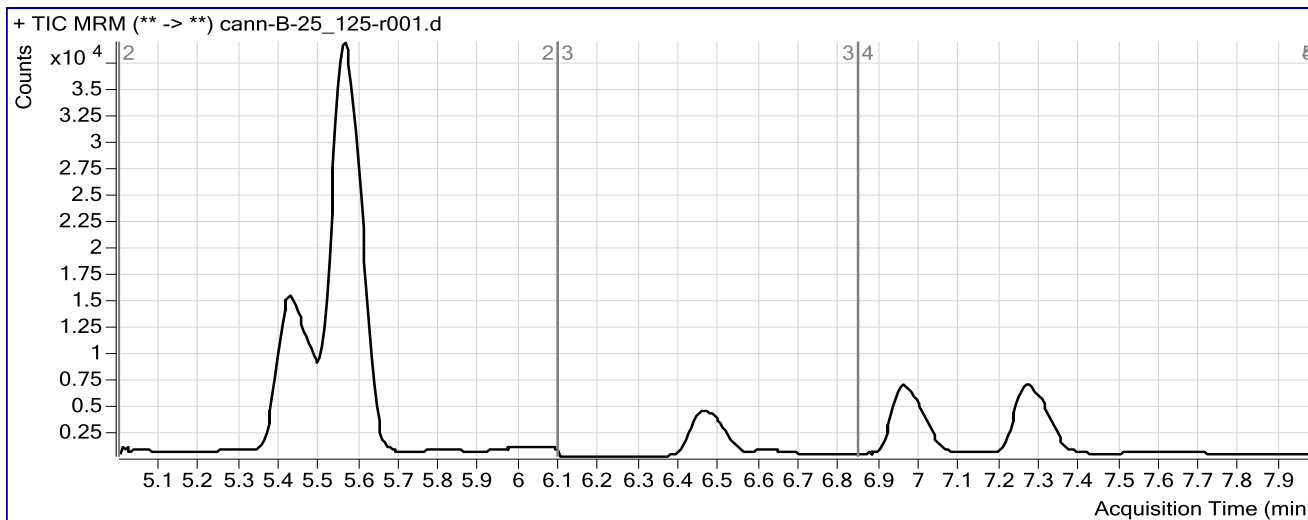
ISP FORENSICS Pocatello Cannabinoid Analysis Report

Batch Data Path C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin
Analysis Time 5/5/2016 12:38 PM **Analyst Name** ISPUser
Report Time 5/5/2016 12:42 PM **Reporter Name** ISPUser
Last Calib Update 5/5/2016 12:38 PM **Batch State** Processed

Analysis Info

Acq Time 2016-05-04 18:08 **Data File** cann-B-25_125-r001.d
Sample Type Sample **Sample Name** Blood 25_125ng/mL
Dilution 1 **Acq Method** isp blood cannabinoids Poky 2016-1.m
Position P2-C3 **Sample Info** c-THC @125ng/mL, all others @25 ng/mL
Inj Vol -1 **Comment** AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-COOH	THC-COOH-d3	5.564	59998	17455	3.4373	38.0447
Cannabinol	Cannabinol-d3	6.967	11307	14559	0.7766	13.2387
THC	THC-d3	7.272	5061	10371	0.4880	8.0903

ISP FORENSICS

Pocatello

Cannabinoid Analysis Report

Batch Data Path	C:\MassHunter\Data\2016\CANN\050416 CANN CS\QuantResults\050416 CANN.batch.bin		
Analysis Time	5/5/2016 12:38 PM	Analyst Name	ISPUser
Report Time	5/5/2016 12:41 PM	Reporter Name	ISPUser
Last Calib Update	5/5/2016 12:38 PM	Batch State	Processed

Analysis Info

Acq Time	2016-05-04 15:28	Data File	Carryover blank2_r001.d
Sample Type	Blank	Sample Name	Blank
Dilution	1	Acq Method	isp blood cannabinoids Poky 2016-1.m
Position	P2-A1	Sample Info	
Inj Vol	-1	Comment	AM 6.1.2 Cannabinoids by LCQQQ

Sample Chromatogram

