



9/7/2017

Worklist: 1880

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2017-1447	1	94043	AM 3 Urine Carboxy-THC	
C2017-1464	2	94038	AM 3 Urine Carboxy-THC	
C2017-1591	1	94039	AM 3 Urine Carboxy-THC	
C2017-1733	2	94047	AM 3 Urine Carboxy-THC	
C2017-1747	3	94046	AM 3 Urine Carboxy-THC	
C2017-1748	2	94045	AM 3 Urine Carboxy-THC	
C2017-1768	1	94044	AM 3 Urine Carboxy-THC	
M2017-3448	2	94040	AM 3 Urine Carboxy-THC	
M2017-3532	2	94041	AM 3 Urine Carboxy-THC	
P2017-1755	1	94042	AM 3 Urine Carboxy-THC	
P2017-1788	1	94037	AM 3 Urine Carboxy-THC	
P2017-1789	1	94036	AM 3 Urine Carboxy-THC	
P2017-1820	4	94048	AM 3 Urine Carboxy-THC	
P2017-1833	1	94034	AM 3 Urine Carboxy-THC	
P2017-1834	1	94033	AM 3 Urine Carboxy-THC	
P2017-1880	1	94029	AM 3 Urine Carboxy-THC	
P2017-1903	1	94028	AM 3 Urine Carboxy-THC	
P2017-1905	1	94030	AM 3 Urine Carboxy-THC	
P2017-1949	1	94031	AM 3 Urine Carboxy-THC	
P2017-1952	1	94032	AM 3 Urine Carboxy-THC	
P2017-1954	1	94027	AM 3 Urine Carboxy-THC	
P2017-1959	1	94026	AM 3 Urine Carboxy-THC	



Area Percent Report

Data Path : D:\DATA\2017\972017 AM 3 worklist 1880\
 Data File : 05201092.D
 Acq On : 08 Sep 2017 00:58
 Operator :
 Sample : Positive C-THC Control
 Misc : C-THC lot#FE03121501 in negative lot 9517:AM# 3 Worklist 1880
 ALS Vial : 52 Sample Multiplier: 1

Integration Parameters: autoint1.e
 Integrator: ChemStation

Method : D:\DATA\2017\2017 Reference Materials\Stimulant Drug Mix A.D\TOXI-A 10115.M
 Title :

Signal : EIC Ion 371.00 (370.70 to 371.70): 05201092.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.867	5	16	28	BV	2146365	28891028	100.00%	77.878%
2	3.945	28	30	40	VV	8970	166977	0.58%	0.450%
3	4.036	40	47	60	VV	15775	259173	0.90%	0.699%
4	4.579	142	148	153	PV	10806	171253	0.59%	0.462%
5	4.641	153	160	184	VV	464478	7609381	26.34%	20.512%

Sum of corrected areas: 37097813

Signal : EIC Ion 473.00 (472.70 to 473.70): 05201092.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.867	4	16	24	BV	5967	93389	2.85%	2.641%
2	4.107	47	61	68	VV	5892	107749	3.29%	3.048%
3	4.198	68	77	86	VV 3	3794	62410	1.91%	1.765%
4	4.643	152	160	179	PV	200874	3272007	100.00%	92.546%

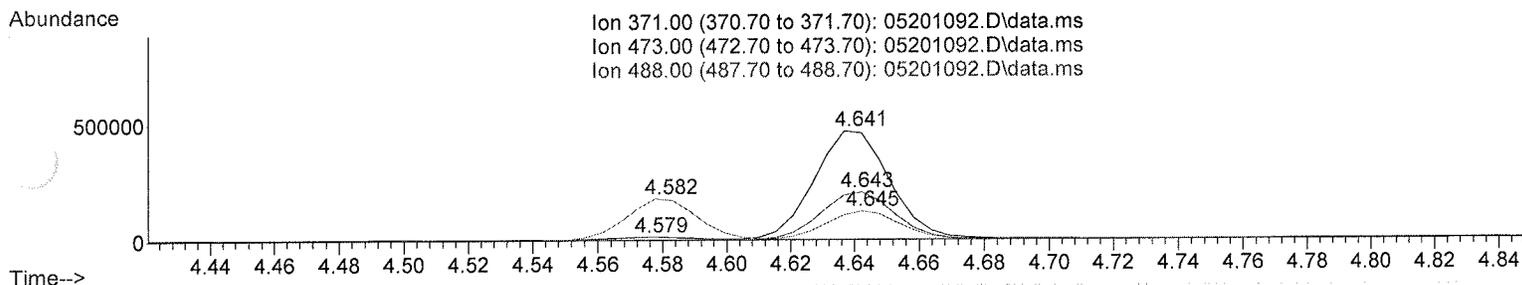
Sum of corrected areas: 3535555

Signal : EIC Ion 488.00 (487.70 to 488.70): 05201092.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.810	3	5	10	BV	4357	41933	1.51%	0.862%
2	4.582	136	149	155	PV	176613	2775742	100.00%	57.044%
3	4.645	155	160	176	VV	119982	1994940	71.87%	40.998%
4	4.867	194	202	208	PV 3	3104	53353	1.92%	1.096%

Sum of corrected areas: 4865968

TOXI-A 10115.M Fri Sep 08 09:50:38 2017



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Area Percent Report

Data Path : D:\DATA\2017\972017 AM 3 worklist 1880\
 Data File : 05301093.D
 Acq On : 08 Sep 2017 01:07
 Generator :
 Sample : Negative C-THC Control
 Misc : Negative lot 9517: AM# 3
 ALS Vial : 53 Sample Multiplier: 1

Integration Parameters: autoint1.e
 Integrator: ChemStation

Method : D:\DATA\2017\2017 Reference Materials\Stimulant Drug Mix A.D\TOXI-A 10115.M
 Title :

Signal : EIC Ion 371.00 (370.70 to 371.70): 05301093.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.867	5	16	28	BV	1911274	24987492	100.00%	98.081%
2	3.943	28	30	41	VV	7178	121217	0.49%	0.476%
3	4.037	41	47	55	PV	13378	211569	0.85%	0.830%
4	4.579	141	148	156	PV	9622	156097	0.62%	0.613%

Sum of corrected areas: 25476375

Signal : EIC Ion 473.00 (472.70 to 473.70): 05301093.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.866	4	16	24	BV	4950	78612	71.12%	30.721%
2	4.107	54	61	68	BV 3	6869	110532	100.00%	43.195%
3	4.198	68	77	93	VB 3	3565	66743	60.38%	26.083%

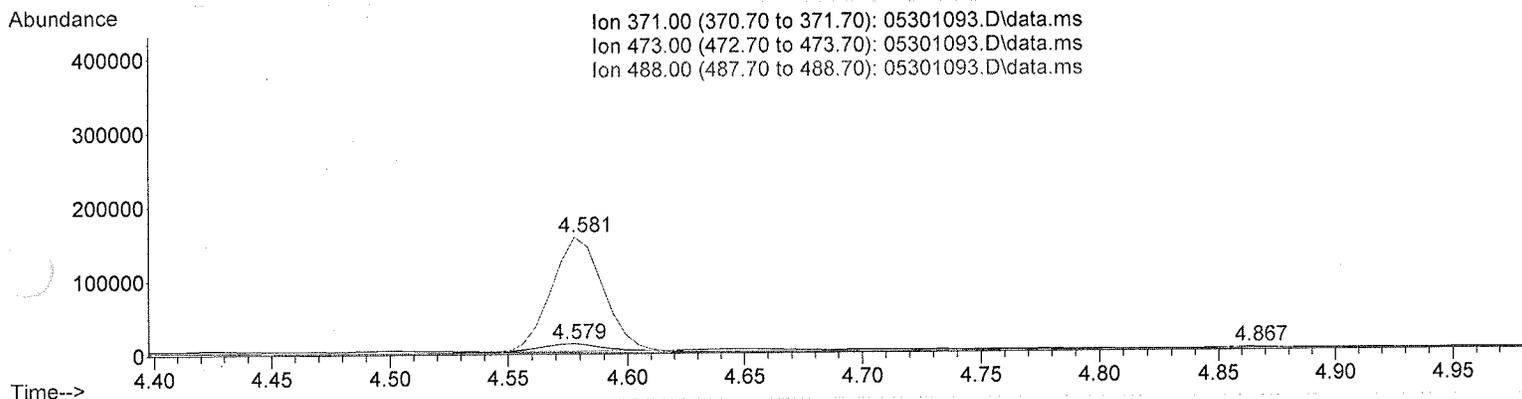
Sum of corrected areas: 255887

Signal : EIC Ion 488.00 (487.70 to 488.70): 05301093.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.809	3	5	10	BV	4781	44729	1.82%	1.759%
2	4.581	135	149	176	BV	154133	2451339	100.00%	96.416%
3	4.867	194	202	208	PV 3	2773	46403	1.89%	1.825%

Sum of corrected areas: 2542470

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Area Percent Report

Data Path : D:\DATA\2017\972017 AM 3 worklist 1880\
 Data File : 05201147.D
 Acq On : 08 Sep 2017 09:31
 Operator :
 Sample : Positive C-THC Control
 Misc : C-THC lot#FE03121501 in negative lot 9517:AM# 3 Worklist 1880
 ALS Vial : 52 Sample Multiplier: 1

Integration Parameters: autoint1.e
 Integrator: ChemStation

Method : D:\DATA\2017\2017 Reference Materials\Stimulant Drug Mix A.D\TOXI-A 10115.M
 Title :

Signal : EIC Ion 371.00 (370.70 to 371.70): 05201147.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.867	5	16	27	BV	2410898	32898006	100.00%	76.639%
2	3.943	27	30	40	VV	9202	157562	0.48%	0.367%
3	4.035	40	47	56	PV	18692	303811	0.92%	0.708%
4	4.577	141	148	152	PV	12380	196169	0.60%	0.457%
5	<u>4.640</u>	152	160	183	VV	558588	<u>9370636</u>	28.48%	21.830%

Sum of corrected areas: 42926183

Signal : EIC Ion 473.00 (472.70 to 473.70): 05201147.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.866	3	16	24	BV	6983	119981	2.98%	2.764%
2	4.106	55	60	68	VV	6634	112535	2.80%	2.592%
3	4.196	68	77	91	VB 2	4671	83901	2.08%	1.933%
4	4.641	152	160	182	PV	241633	<u>4025010</u>	100.00%	92.712%

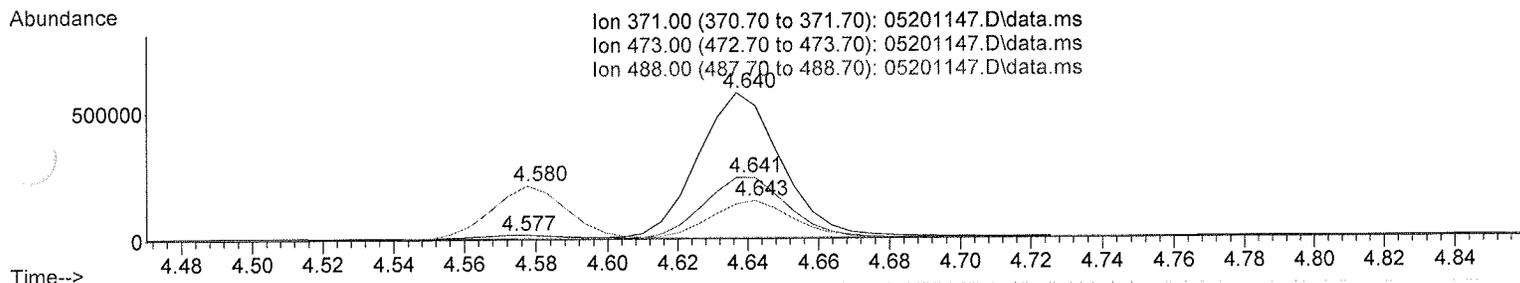
Sum of corrected areas: 4341427

Signal : EIC Ion 488.00 (487.70 to 488.70): 05201147.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.809	3	5	21	BV	4076	31433	1.00%	0.553%
2	4.580	136	149	154	PV	205344	3136031	100.00%	55.188%
3	4.643	154	160	177	VV	145652	<u>2453186</u>	78.23%	43.171%
4	4.865	194	201	208	PB 3	3575	61796	1.97%	1.087%

Sum of corrected areas: 5682446

TOXI-A 10115.M Fri Sep 08 09:50:51 2017



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Area Percent Report

Data Path : D:\DATA\2017\972017 AM 3 worklist 1880\
 Data File : 05401094.D
 Acq On : 08 Sep 2017 01:16
 Operator :
 Sample : BRC3 External Control
 Misc : Lot # 68440; AM# 3
 ALS Vial : 54 Sample Multiplier: 1

Integration Parameters: autoint1.e
 Integrator: ChemStation

Method : D:\DATA\2017\2017 Reference Materials\Stimulant Drug Mix A.D\TOXI-A 10115.M
 Title :

Signal : EIC Ion 371.00 (370.70 to 371.70): 05401094.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.866	3	16	44	BV	1742729	24405427	100.00%	92.874%
2	4.577	135	148	153	BV	7564	125481	0.51%	0.478%
3	4.639	153	159	180	VB	99919	1652153	6.77%	6.287%
4	4.849	183	198	206	BV	5320	94959	0.39%	0.361%

Sum of corrected areas: 26278020

Signal : EIC Ion 473.00 (472.70 to 473.70): 05401094.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.098	49	59	68	PB	2436	39742	5.36%	3.673%
2	4.196	72	77	85	BB 2	3025	43072	5.81%	3.981%
3	4.640	135	160	180	BB 2	42939	741768	100.00%	68.560%
4	4.850	187	199	207	BV	3702	65837	8.88%	6.085%
5	5.109	229	247	261	BB	9130	191499	25.82%	17.700%

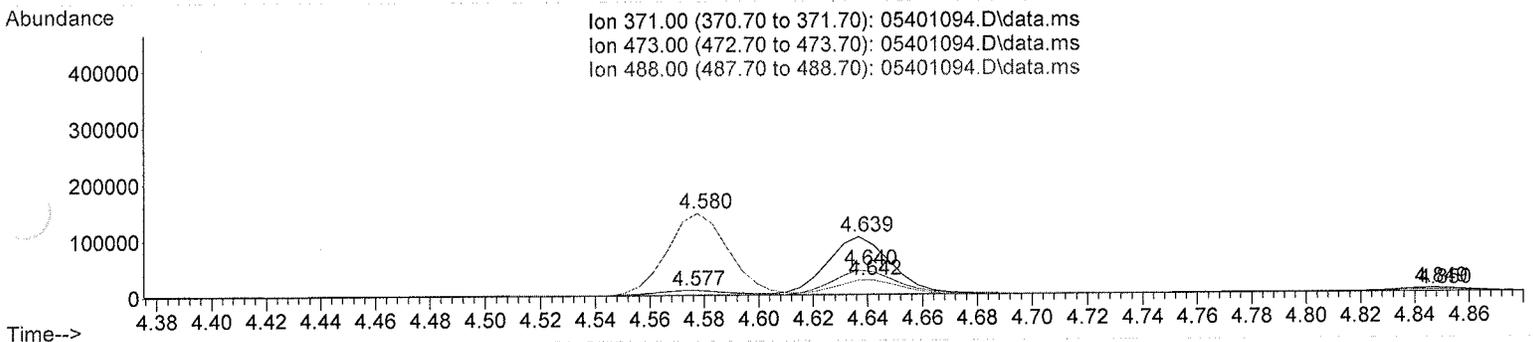
Sum of corrected areas: 1081917

Signal : EIC Ion 488.00 (487.70 to 488.70): 05401094.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.580	138	148	155	BV	143320	2308654	100.00%	83.878%
2	4.642	155	160	180	VB	25726	443741	19.22%	16.122%

Sum of corrected areas: 2752395

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2.4.4 Carboxy-THC QC Calculations

Run Date: 9/7/2017

Case Calculations:
Lab Case #: BRC3-68440

EIC Ion 371 Corr. Area:	<u>1652153</u>	
EIC Ion 473 Corr. Area:	<u>741768</u>	473:371 Ratio: <u>0.449</u>
EIC Ion 488 Corr. Area:	<u>443741</u>	488:371 Ratio: <u>0.269</u>

Quality Control Calculations:

Retention Time acceptable range: 4.541 to 4.740

	<i>1st ctrl</i>	<i>2nd ctrl</i>
EIC Ion 371 Corr. Area:	<u>7609381</u>	<u>9370636</u>
EIC Ion 473 Corr. Area:	<u>3272007</u>	<u>4025010</u>
EIC Ion 488 Corr. Area:	<u>1994940</u>	<u>2453186</u>

Approximate minimum corrected area of 371 ion: ~ **1521876**

Ratio of 473:371			
<i>1st ctrl</i>	<u>0.430</u>	<i>2nd ctrl</i>	<u>0.430</u>
		avg.	<u>0.430</u>

Accepted Range
(+/- 20%) 0.344 - 0.516

Ratio of 488:371			
<i>1st ctrl</i>	<u>0.262</u>	<i>2nd ctrl</i>	<u>0.262</u>
		avg	<u>0.262</u>

Accepted Range
(+/- 20%): 0.210 - 0.314

Carboxy-calculation sheet
Revision 0 effective date 10/23/13
Issuing authority: Quality Manager