

Analysis: HpDef-3

Path: Home/YL Research

Based on method: Triplets Method

Created	01-Jun-2019 16:53:59	visionCATSuser
Modified	01-Jun-2019 18:30:47	visionCATSuser
Last HPTLC log	01-Jun-2019 18:30:47	Analysis modified
Explorer notes		

Track	Vial ID	Description	Volume	Position	Type
1	MeOH blank	MeOH Blank	2.0 µl	A1	Sample
2	Mixture 100	Mixture 500ng	5.0 µl	A2	Sample
3	9-THC 100	D9-THC 500ng	5.0 µl	A3	Reference
4	CBD 100	CBD 500ng	5.0 µl	A4	Reference
5	CBN 100	CBN 500ng	5.0 µl	A5	Reference
6	CBG 100	CBG 500ng	5.0 µl	A6	Reference
7	CBC 100	CBC 500ng	5.0 µl	A7	Reference
8	THCV 100	THCV 500ng	5.0 µl	A8	Reference
9	CBDV 100	CBDV 500ng	5.0 µl	A9	Reference
10	8-THC 100	D8-THC 500ng	5.0 µl	A10	Reference
11	THCA-A 100	THCA-A 500ng	5.0 µl	A11	Reference
12	CBDA 100	CBDA 500ng	5.0 µl	B1	Reference
13	CBGA 100	CBGA 500ng	5.0 µl	B2	Reference
14	Mixture 100	Mixture 500ng	5.0 µl	A2	Sample
15	MeOH blank	MeOH Blank	2.0 µl	A1	Sample

Sequence table notes

A track marked with ⚠ means: the application type is overridden in some evaluation(s).

System setup:

Software	Server User-PC, version 2.5.18072.1
ATS4	S/N:080713
Chamber	N/A
Derivatization dip	N/A
Scanner3	S/N:031025
Visualizer	S/N:230515

Chromatography

Plate layout:

Stationary phase	Merck, HPTLC plates silica gel 60 F 254
Plate format	200.0 x 100.0 mm
Application type	User
Application	Position Y: 10.0 mm, length: 8.0 mm, width: 0.0 mm
Track	First position X: 20.0 mm, distance: 11.4 mm
Solvent front position	70.0 mm
Notes	

Take image clean plate 1a - Visualizer (S/N: 230515):

HpDef-3

visionCATS

Quality	Enhanced
RT White	auto capture, Auto, level 85 %, Band
R 254	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

Application 1 - ATS 4 (S/N: 080713):

Spray gas	NI
Sample solvent type	Methanol
Filling speed	15 µl/s
Predosage volume	200 nl
Retraction volume	200 nl
Dosage speed	150 nl/s
Filling quality	User
Rinsing cycles / vacuum	1 / 4 s
Filling cycles / vacuum	1 / 4 s
Rinsing solvent name	Methanol
Nozzle temperature	Unheated
Rack in use	Standard
Instrument diagnostics	Valid diagnostics
Notes	

Development 1 - Chamber:

Tank	TTC 20x10
Mobile phase	
Saturation time	20 min
Use saturation pad	true
Use smartALERT	false
Volume front through	10 ml
Volume rear through	20 ml
Drying time	5 min
Drying temperature	Room temperature
Notes	

Take image developed plate 1a - Visualizer (S/N: 230515):

Quality	Enhanced
RT White	auto capture, Auto, level 85 %, Band
R 254	auto capture, Auto, level 85 %, Band
R 366	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

Scan developed plate 1b - Scanner 3 (S/N: 031025):

HpDef-3

visionCATS

Scanner type	Single λ
Optimization for	Resolution
Measurement mode	Absorption
Filter	n/a
Detector mode	Automatic
Scanning speed	20 mm/s
Data resolution	100 μ m/step
Slit	5 x 0.2 mm, micro
Partial scan	No
Lamp	Deuterium & Tungsten
Wavelength(s)	254 nm
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

Derivatization 1 - dip:

Reagent name	Fast Blue B salt
Dipping speed	3
Dipping time	5 s
Reagent preparation	1g Fast Blue B salt in 200mL water
Heating	none
Notes	Air dry for 5 minutes

Take image derivatized plate 1a - Visualizer (S/N: 230515):

Quality	Enhanced
RT White	auto capture, Auto, level 85 %, Band
R 366	auto capture, Auto, level 85 %, Band
Instrument diagnostics	Valid diagnostics
Documentation step label	
Notes	

System suitability tests:

SST settings:

SST tracks	
------------	--

Data acquisition

Application 1 - ATS 4 (S/N: 080713):

Executed	01-Jun-2019 16:56:37 visionCATSuser
----------	-------------------------------------

Development 1 - Chamber:

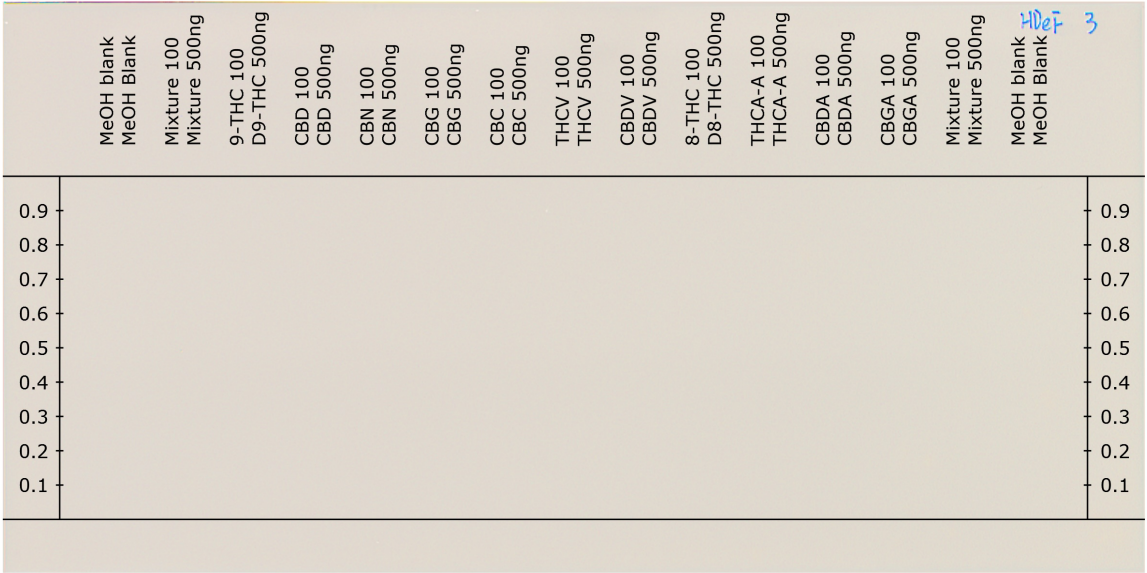
Executed	01-Jun-2019 17:23:24 visionCATSuser
----------	-------------------------------------

Take image developed plate 1a - Visualizer (S/N: 230515):

Executed	01-Jun-2019 18:14:46 visionCATSuser
----------	-------------------------------------

HpDef-3
RT White

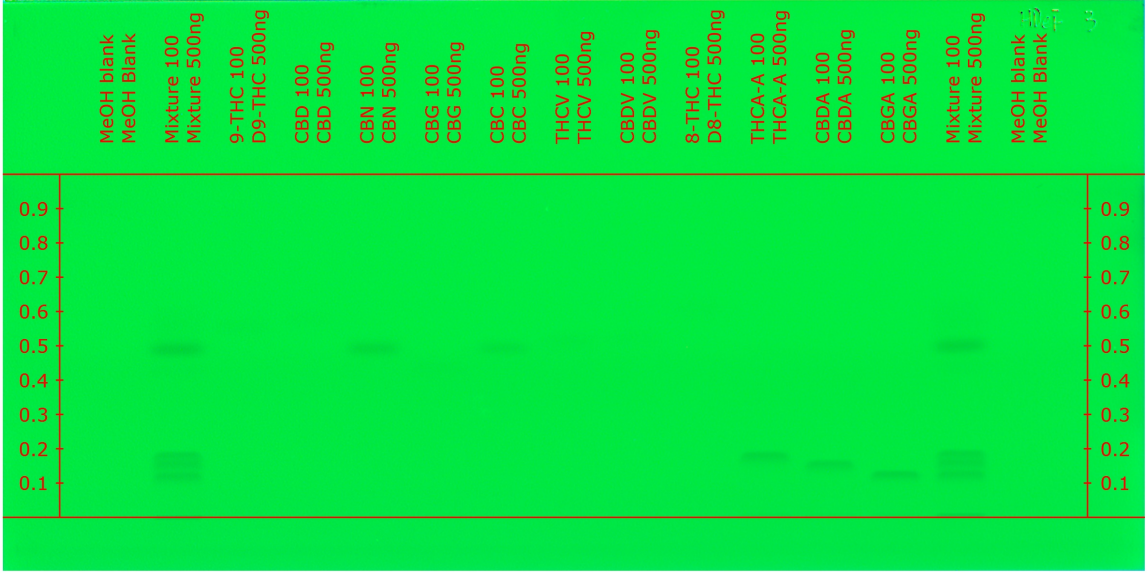
visionCATS
Developed, RemTransVis



Exposure	0.086 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

R 254

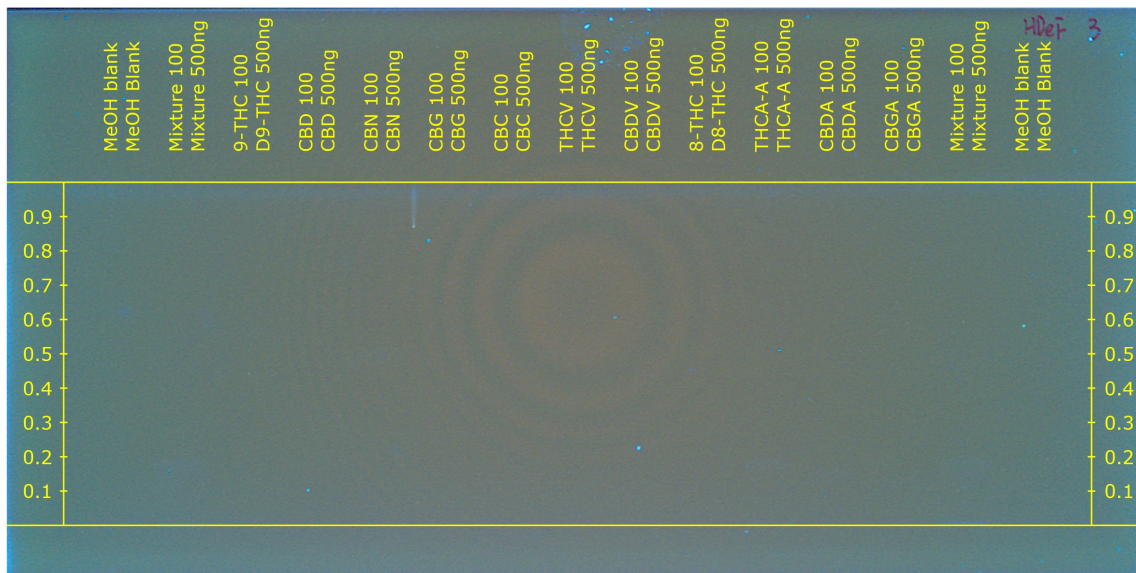
Developed, Remission254



Exposure	0.279 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

HpDef-3
R 366

visionCATS
Developed, Remission366



Exposure	9.999 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

Scan developed plate 1b - Scanner 3 (S/N: 031025):

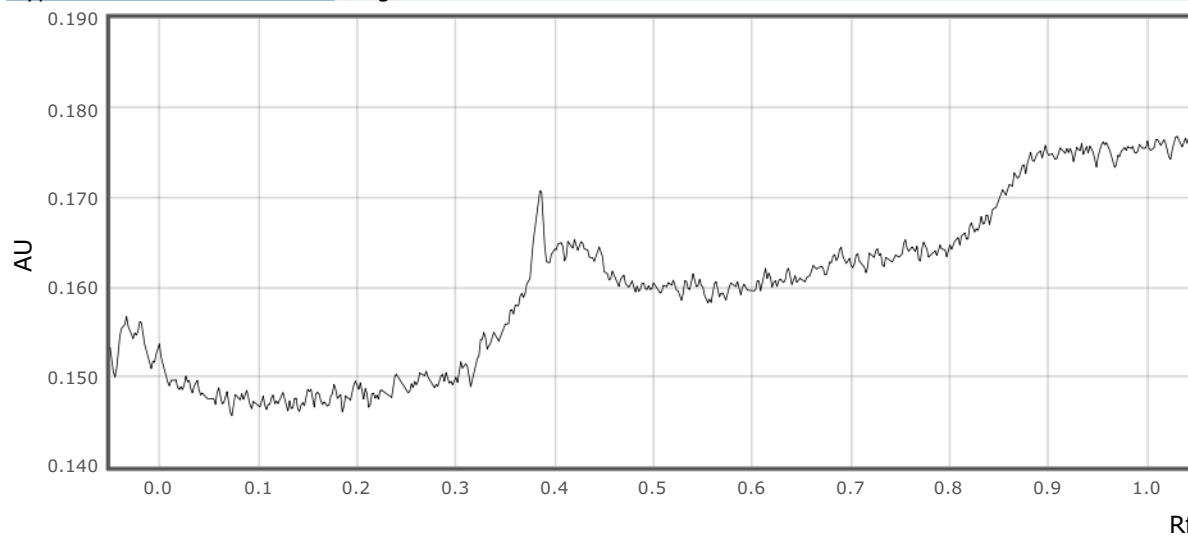
Executed	01-Jun-2019 18:16:29 visionCATSuser
----------	-------------------------------------

Scan:

Wavelength	254 nm
------------	--------

Track 1:

Type	Single λ
------	------------------

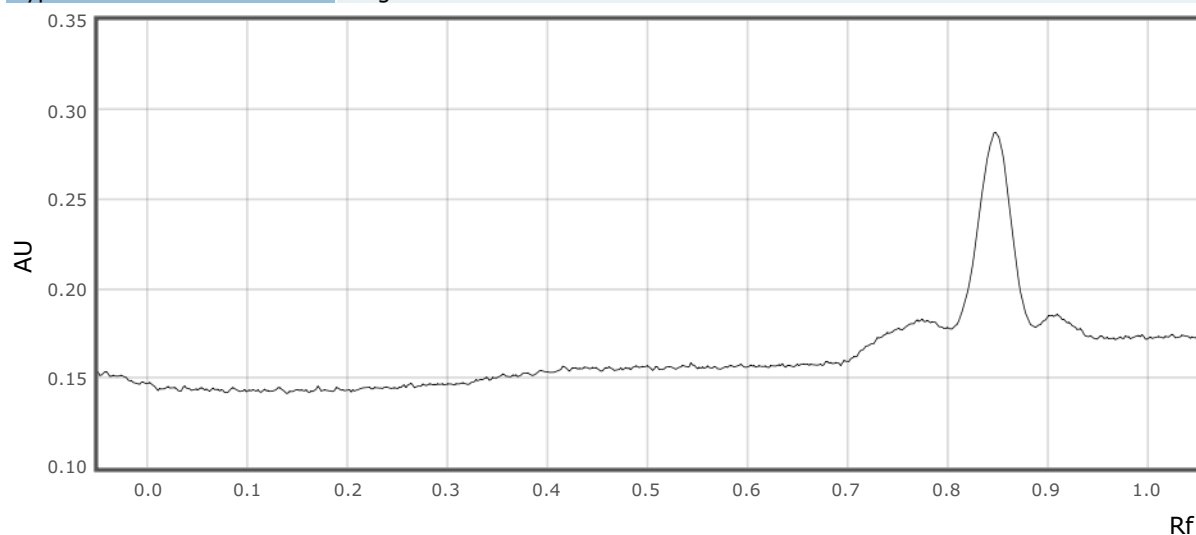


HpDef-3

visionCATS

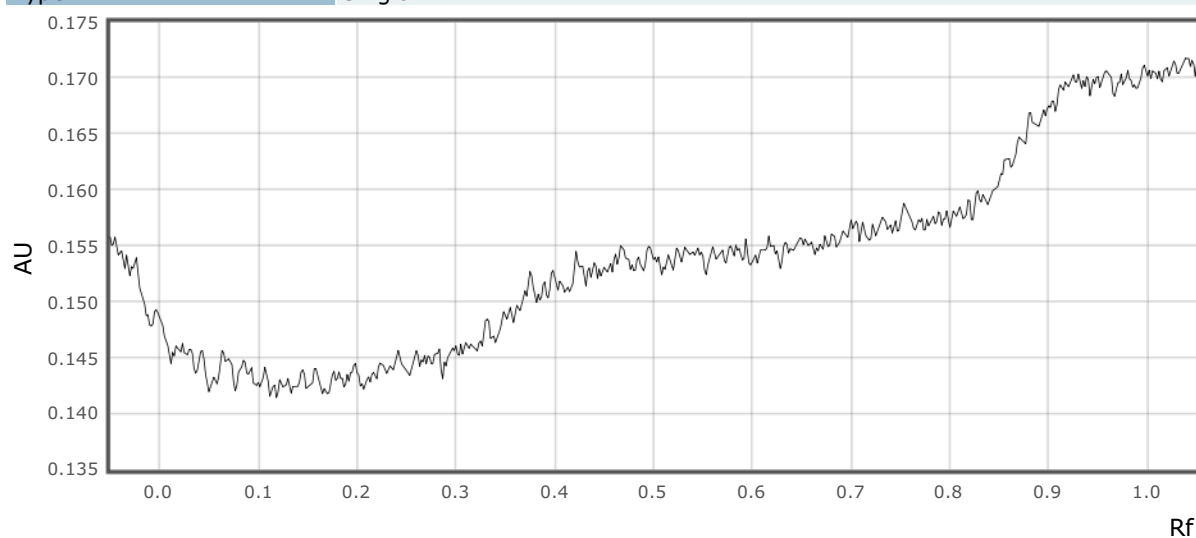
Track 2:

Type Single λ



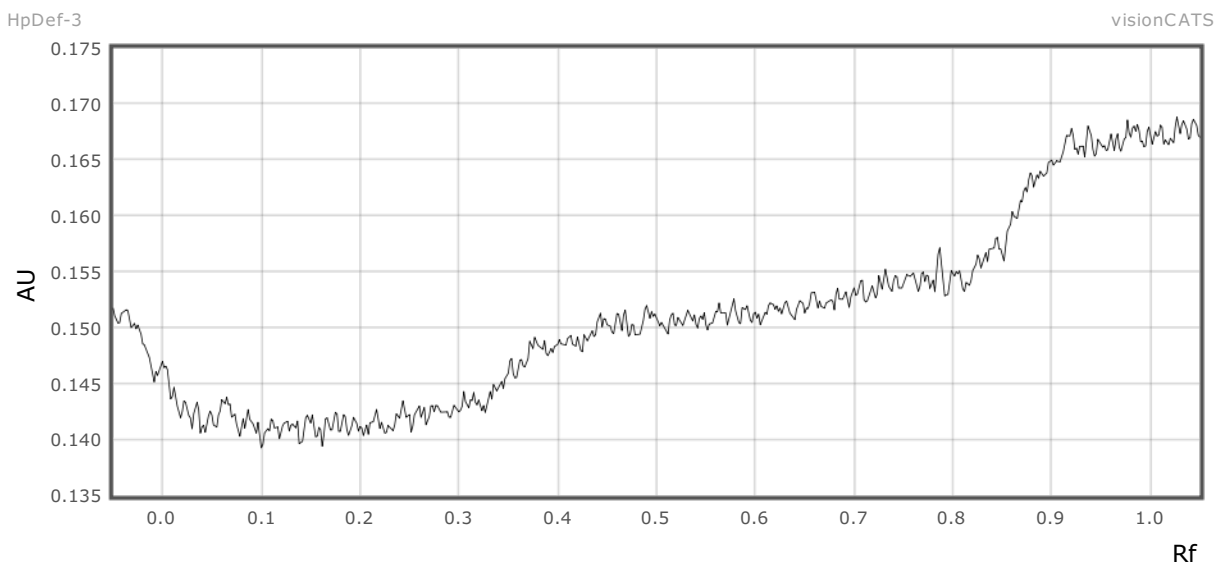
Track 3:

Type Single λ



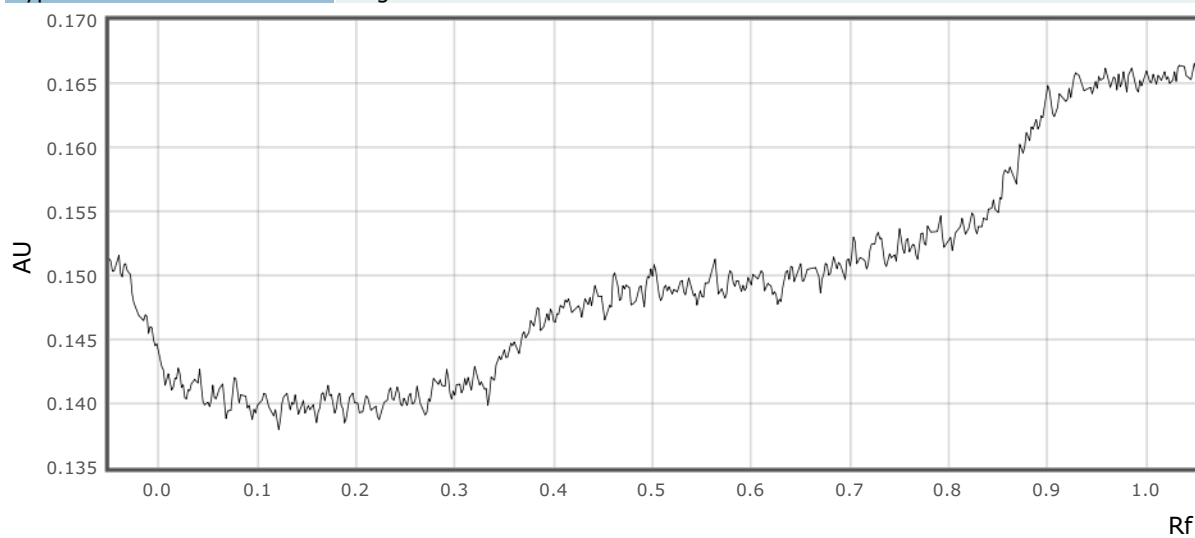
Track 4:

Type Single λ



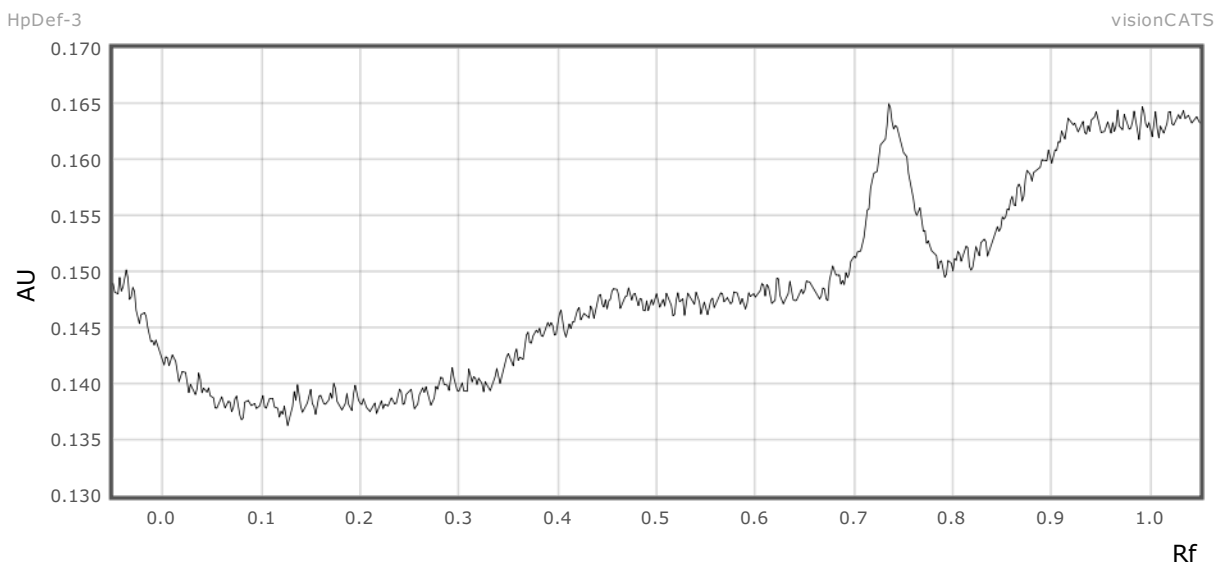
Track 5:

Type Single λ



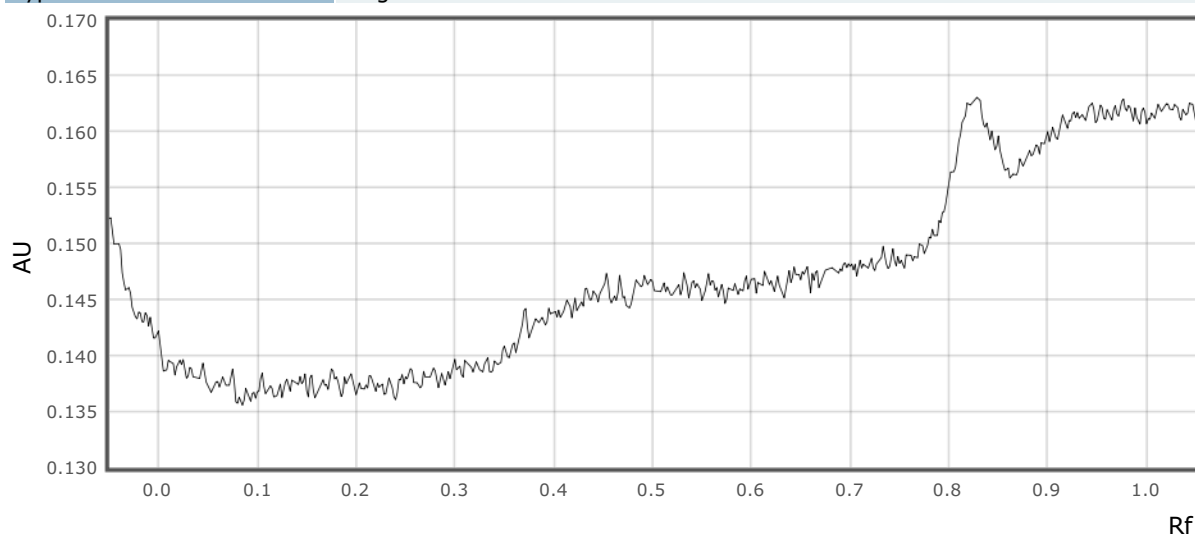
Track 6:

Type Single λ



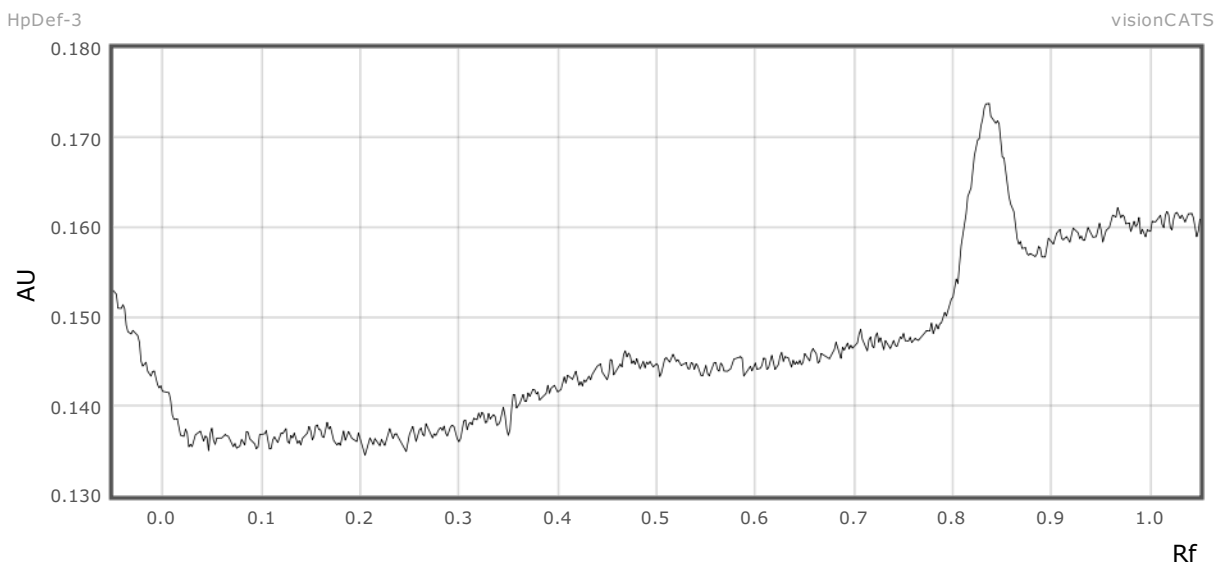
Track 7:

Type Single λ



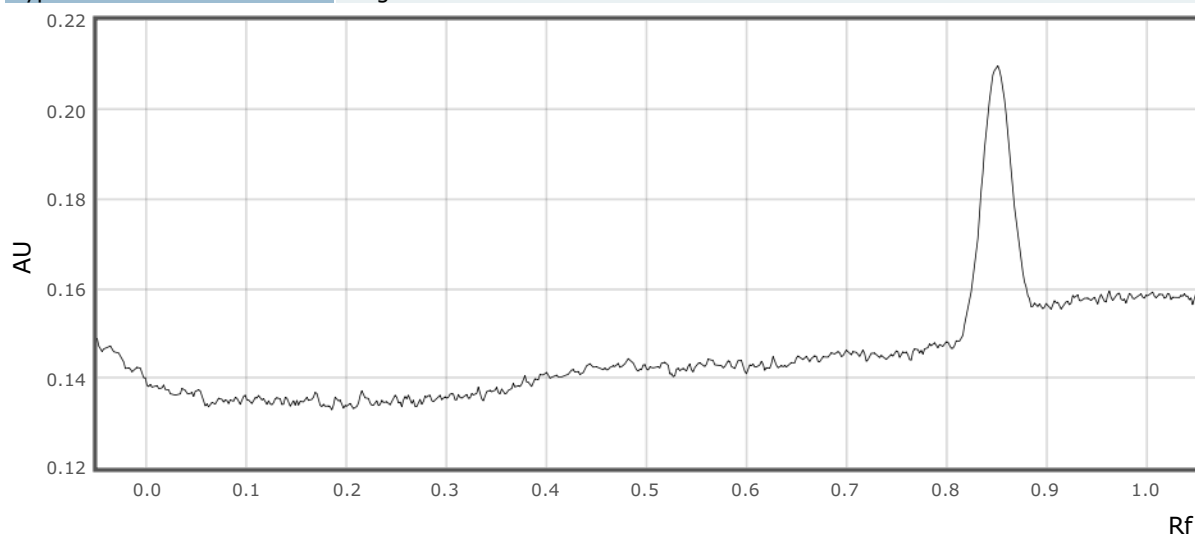
Track 8:

Type Single λ



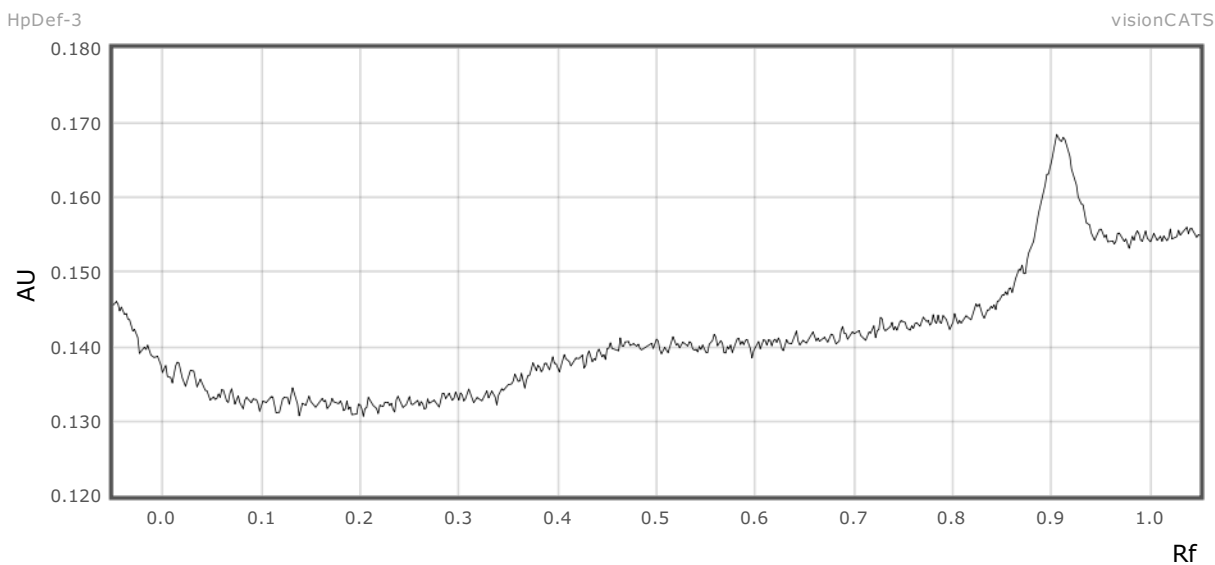
Track 9:

Type Single λ



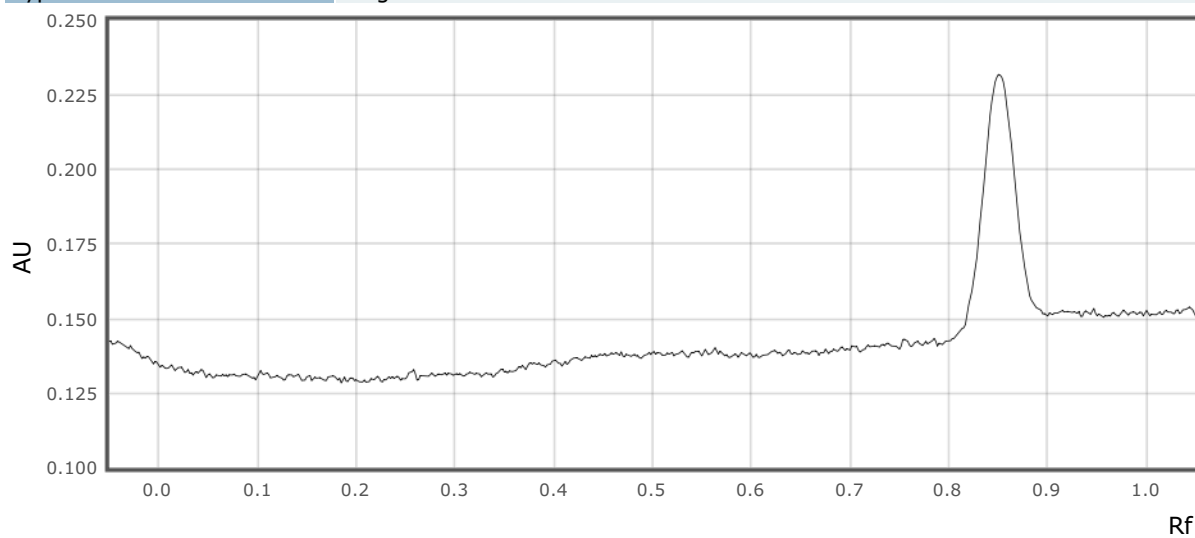
Track 10:

Type Single λ



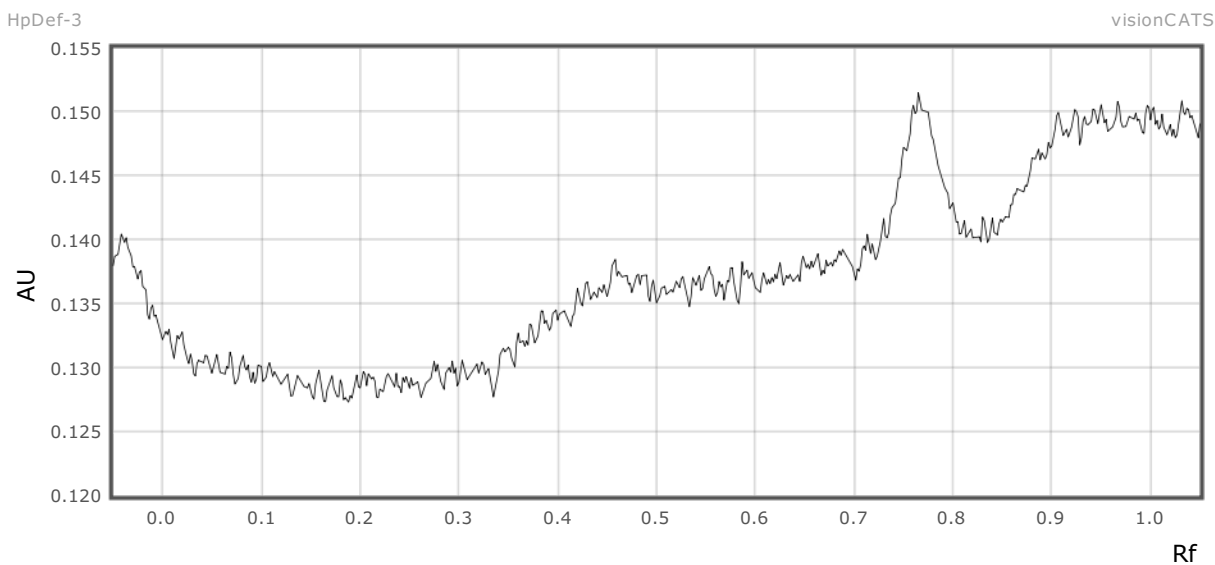
Track 11:

Type Single λ



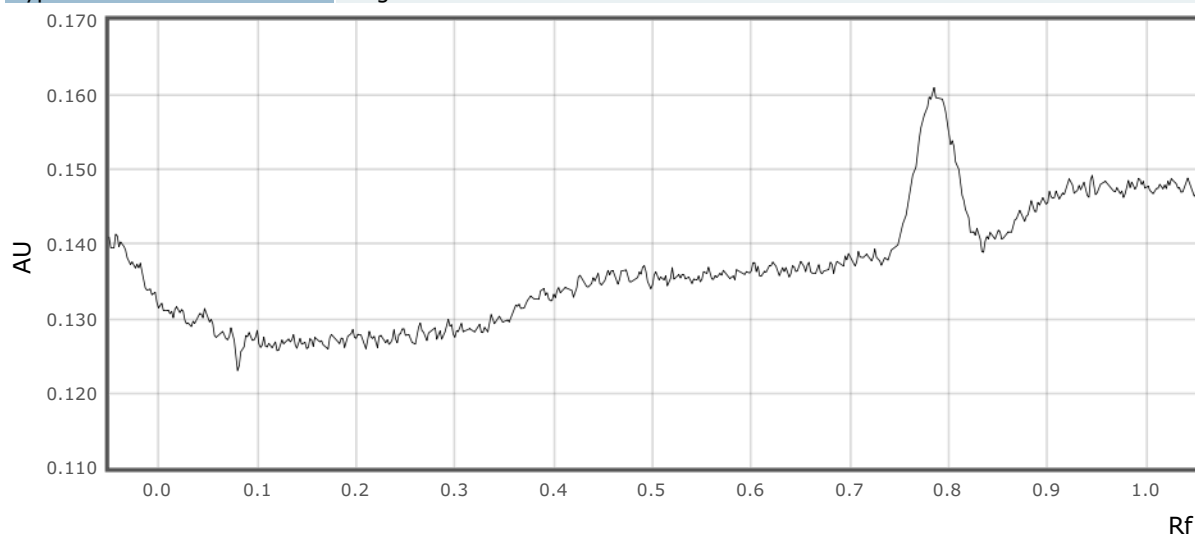
Track 12:

Type Single λ



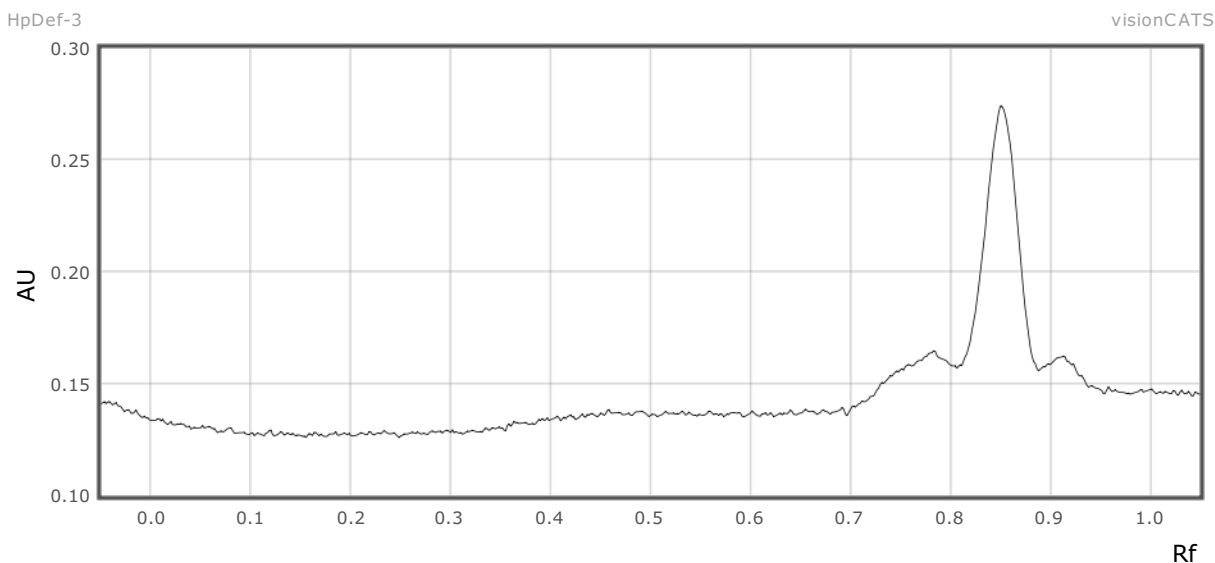
Track 13:

Type Single λ



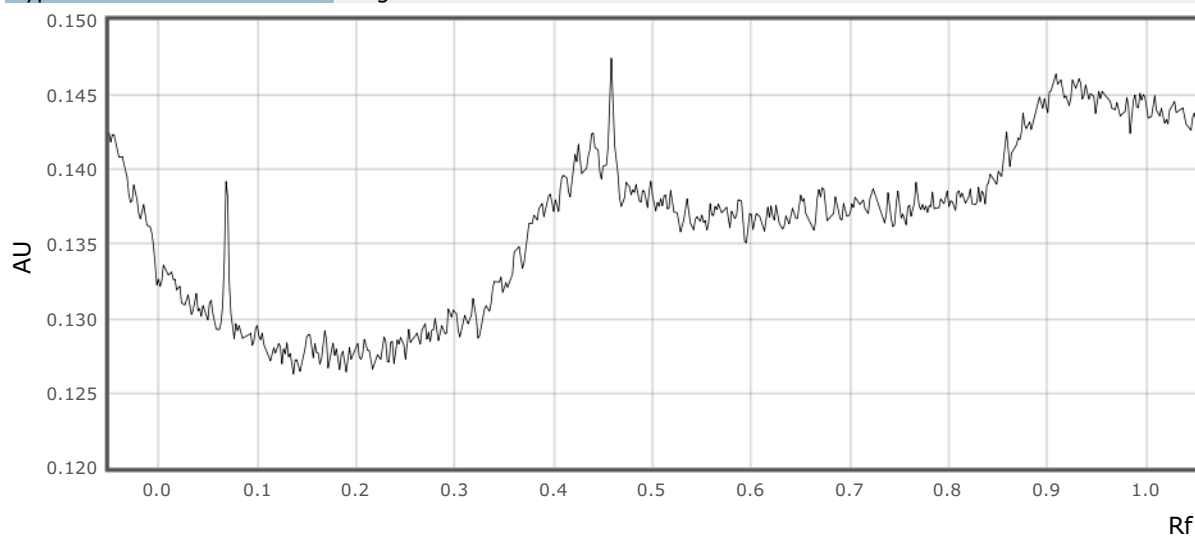
Track 14:

Type Single λ



Track 15:

Type Single λ



Derivatization 1 - dip:

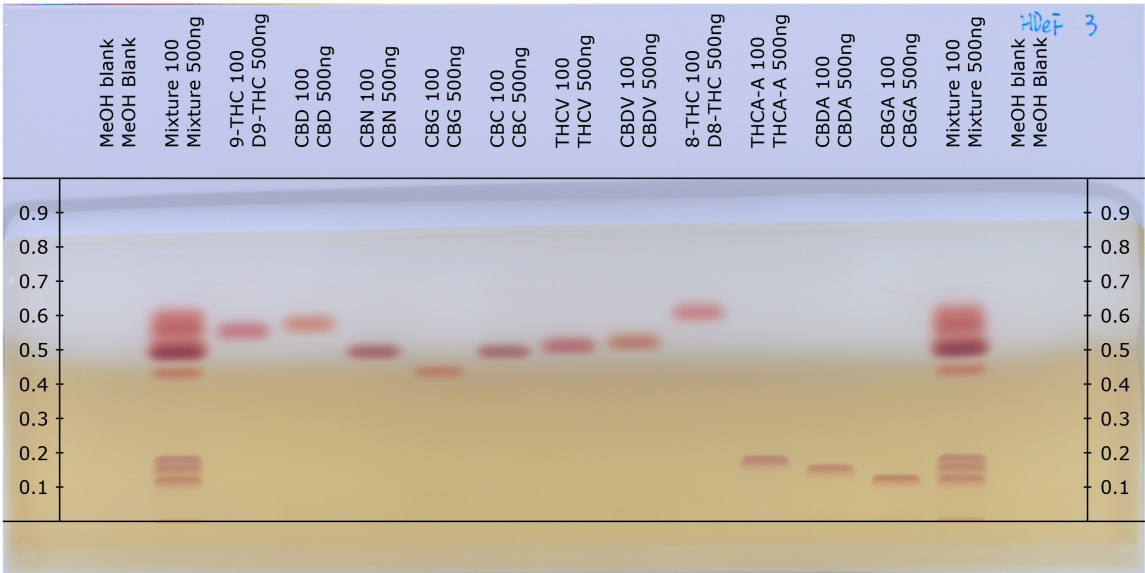
Executed 01-Jun-2019 18:18:53 visionCATSuser

Take image derivatized plate 1a - Visualizer (S/N: 230515):

Executed 01-Jun-2019 18:22:00 visionCATSuser

HpDef-3
RT White

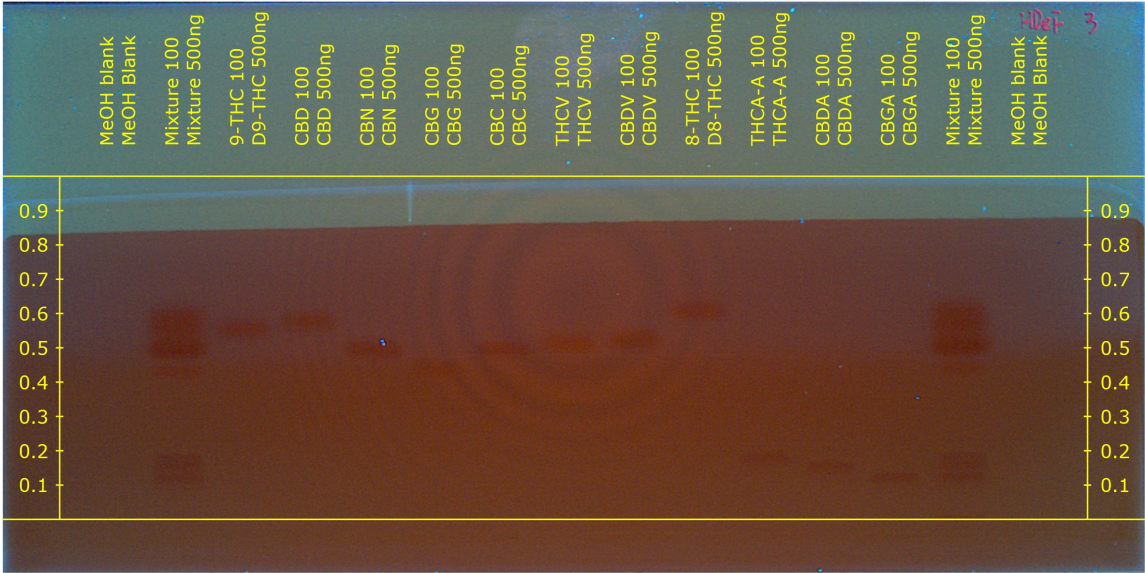
visionCATS
Derivatized, RemTransVis



Exposure	0.072 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.22, 1.10, 0.79

R 366

Derivatized, Remission366



Exposure	9.999 s
Contrast	1
Normalized exposure	Disabled
Clarify	Disabled
White balance	1.00, 1.00, 1.00

Evaluation 1 :

HpDef-3

visionCATS

Validated	false
Step	Take image derivatized plate 1a
Concentration unit type	Mass / volume
Notes	

Definition:

References:

9-THC 100		
Substance Name	Concentration	Purity
9-THC	100.000 µg/ml	100.00 %

CBD 100		
Substance Name	Concentration	Purity
CBD	100.000 µg/ml	100.00 %

CBN 100		
Substance Name	Concentration	Purity
CBN	100.000 µg/ml	100.00 %

CBG 100		
Substance Name	Concentration	Purity
CBG	100.000 µg/ml	100.00 %

CBC 100		
Substance Name	Concentration	Purity
CBC	100.000 µg/ml	100.00 %

THCV 100		
Substance Name	Concentration	Purity
THCV	100.000 µg/ml	100.00 %

CBDV 100		
Substance Name	Concentration	Purity
CBDV	100.000 µg/ml	100.00 %

8-THC 100		
Substance Name	Concentration	Purity
8-THC	100.000 µg/ml	100.00 %

THCA-A 100		
Substance Name	Concentration	Purity
THCA-A	100.000 µg/ml	100.00 %

CBDA 100		
Substance Name	Concentration	Purity
CBDA	100.000 µg/ml	100.00 %

CBGA 100		
Substance Name	Concentration	Purity
CBGA	100.000 µg/ml	100.00 %

HpDef-3

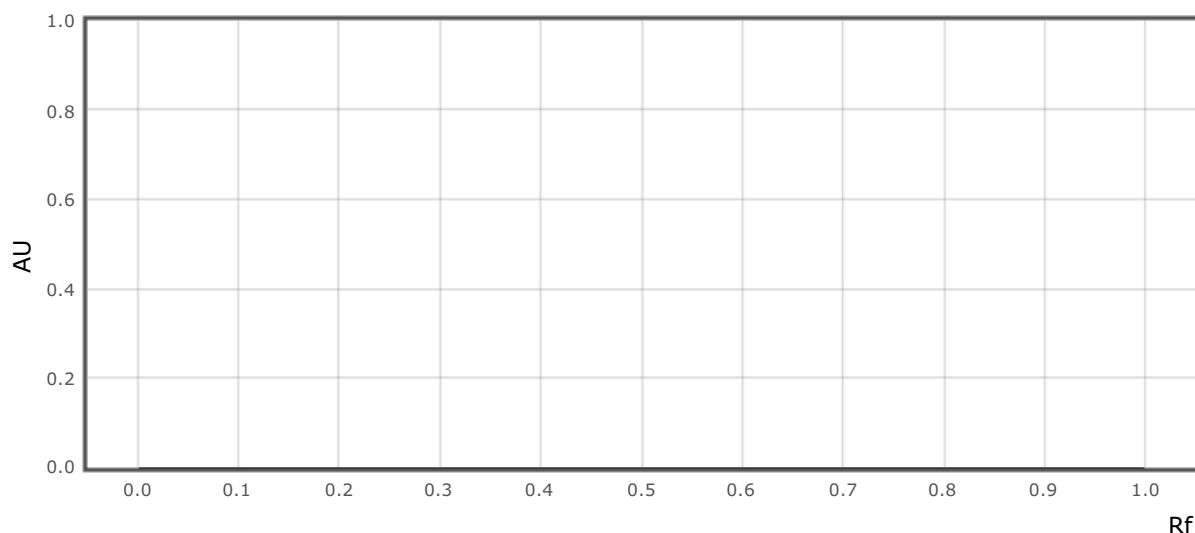
visionCATS

Samples:				
Vial ID	Amount	Volume solution	Reference amount	Related to
MeOH blank		0.00 ml		
Mixture 100		0.00 ml		

Integration parameters:	
Bounds	[0.000,1.000]
Smoothing	Savitzky-Golay of order 3 and window 7
Baseline correction	Lowest slope with noise 0.05
Profile subtraction	Profile subtraction from track 1
Peaks detection	Gauss (legacy) with sensitivity 0.1, separation 0.1 and threshold 0.1

Scan:	
Wavelength	RT White

Track 1:	
Type	Sample
Vial ID	MeOH blank
Description	MeOH Blank
Volume	2.0 µl

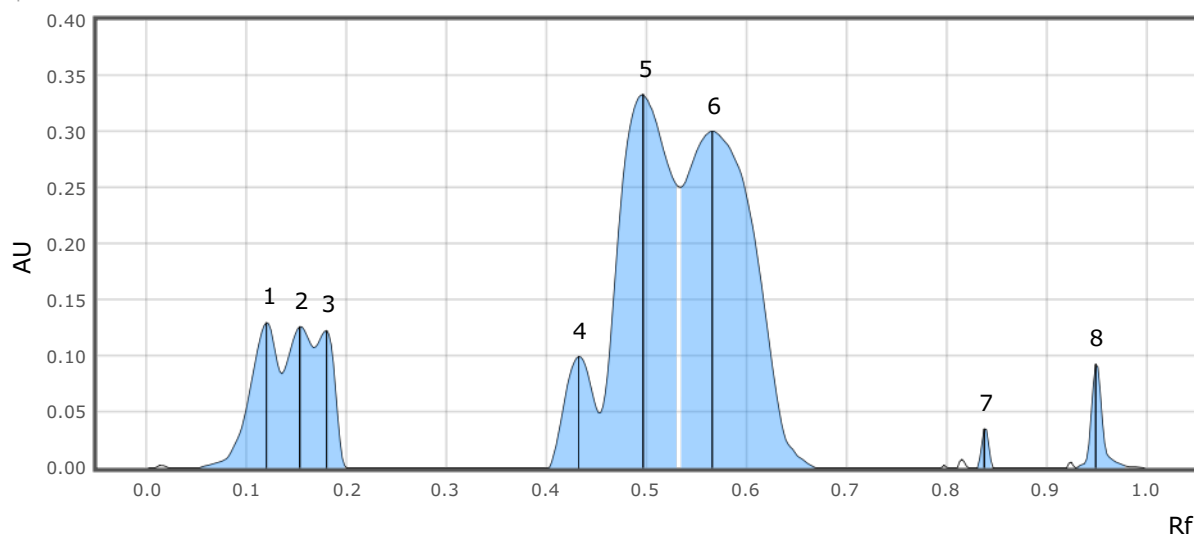


Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		

Track 2:	
Type	Sample
Vial ID	Mixture 100
Description	Mixture 500ng
Volume	5.0 µl

HpDef-3

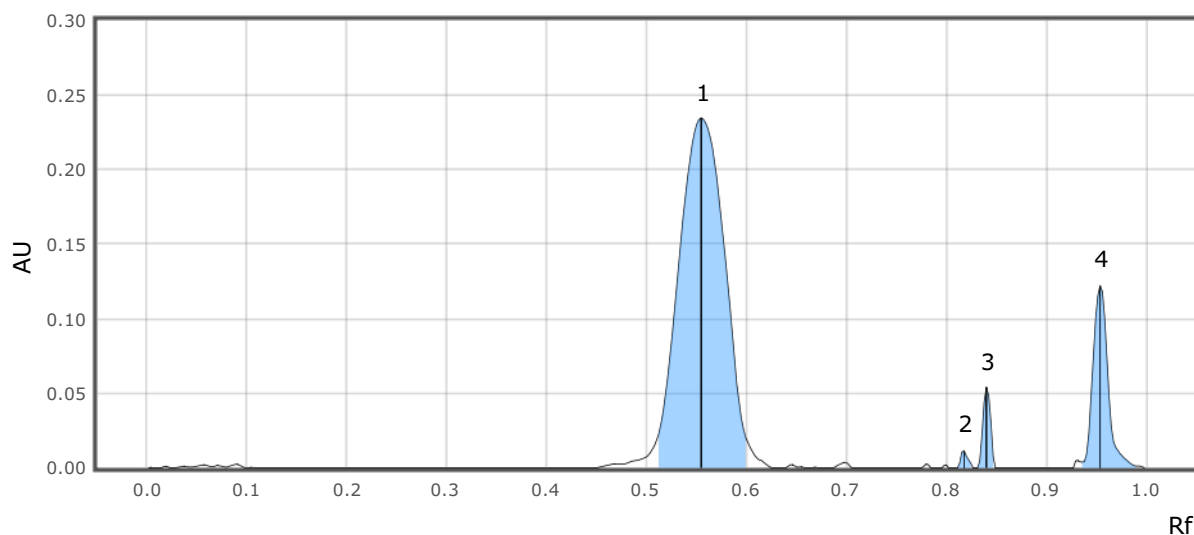
visionCATS



Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.050	0.0000	0.120	0.1297	10.47	0.135	0.0840	0.00424	7.21	No	
2	0.135	0.0840	0.153	0.1261	10.18	0.166	0.1074	0.00347	5.91	No	
3	0.166	0.1074	0.180	0.1227	9.90	0.200	0.0000	0.00273	4.64	No	
4	0.401	0.0000	0.432	0.0994	8.02	0.452	0.0490	0.00315	5.36	No	
5	0.452	0.0490	0.497	0.3334	26.90	0.532	0.2509	0.01985	33.78	No	
6	0.535	0.2505	0.566	0.3006	24.26	0.671	0.0000	0.02386	40.61	No	
7	0.831	0.0000	0.838	0.0348	2.81	0.847	0.0000	0.00028	0.48	No	
8	0.930	0.0000	0.950	0.0926	7.47	0.983	0.0009	0.00118	2.01	No	

Track 3:

Type	Reference
Vial ID	9-THC 100
Description	D9-THC 500ng
Volume	5.0 µl



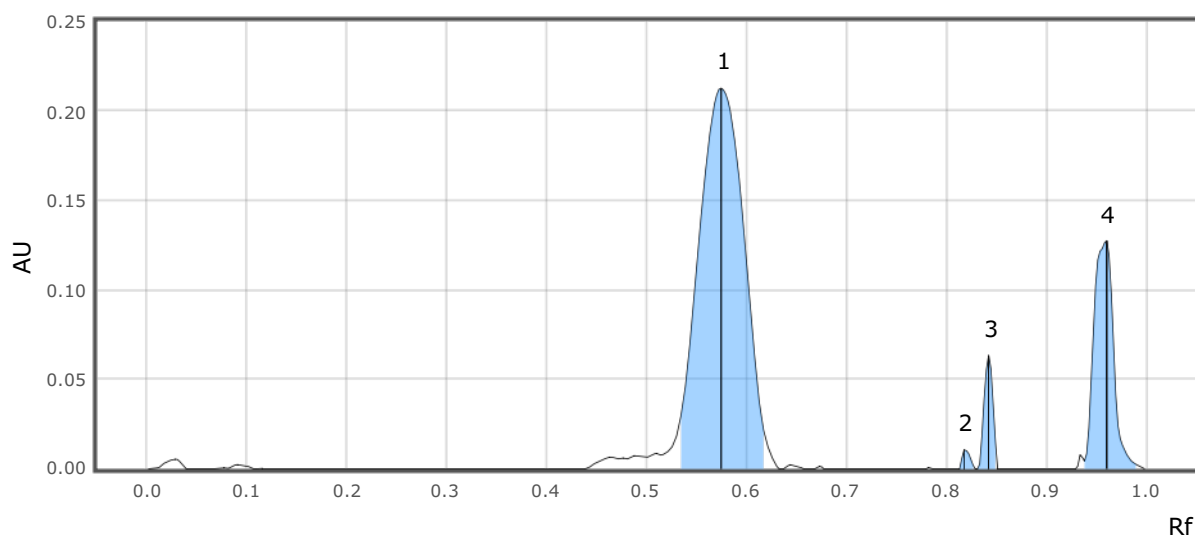
HpDef-3

visionCATS

Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.511	0.0184	0.555	0.2344	55.56	0.600	0.0203	0.01227	82.10	Yes	9-THC
2	0.811	0.0000	0.818	0.0114	2.71	0.827	0.0000	0.00009	0.61	No	
3	0.831	0.0000	0.840	0.0540	12.79	0.849	0.0000	0.00047	3.14	No	
4	0.936	0.0038	0.954	0.1221	28.94	0.992	0.0012	0.00211	14.15	No	

Track 4:

Type	Reference
Vial ID	CBD 100
Description	CBD 500ng
Volume	5.0 µl



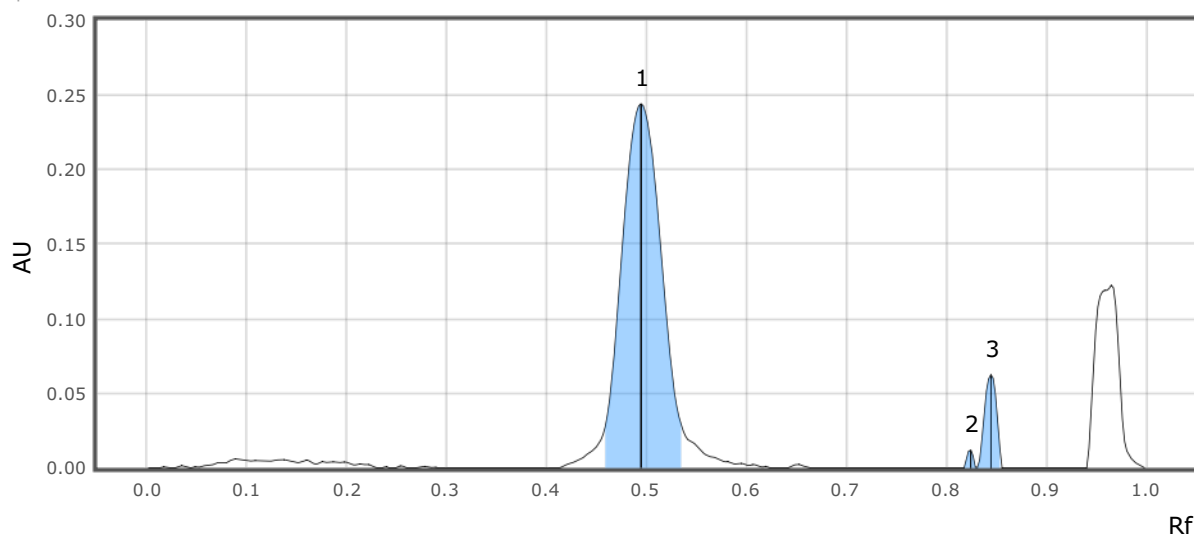
Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.534	0.0297	0.575	0.2125	51.36	0.617	0.0216	0.01096	75.18	Yes	CBD
2	0.813	0.0000	0.818	0.0106	2.55	0.829	0.0000	0.00009	0.65	No	
3	0.831	0.0000	0.842	0.0633	15.30	0.851	0.0000	0.00064	4.37	No	
4	0.938	0.0043	0.961	0.1273	30.78	0.999	0.0000	0.00289	19.80	No	

Track 5:

Type	Reference
Vial ID	CBN 100
Description	CBN 500ng
Volume	5.0 µl

HpDef-3

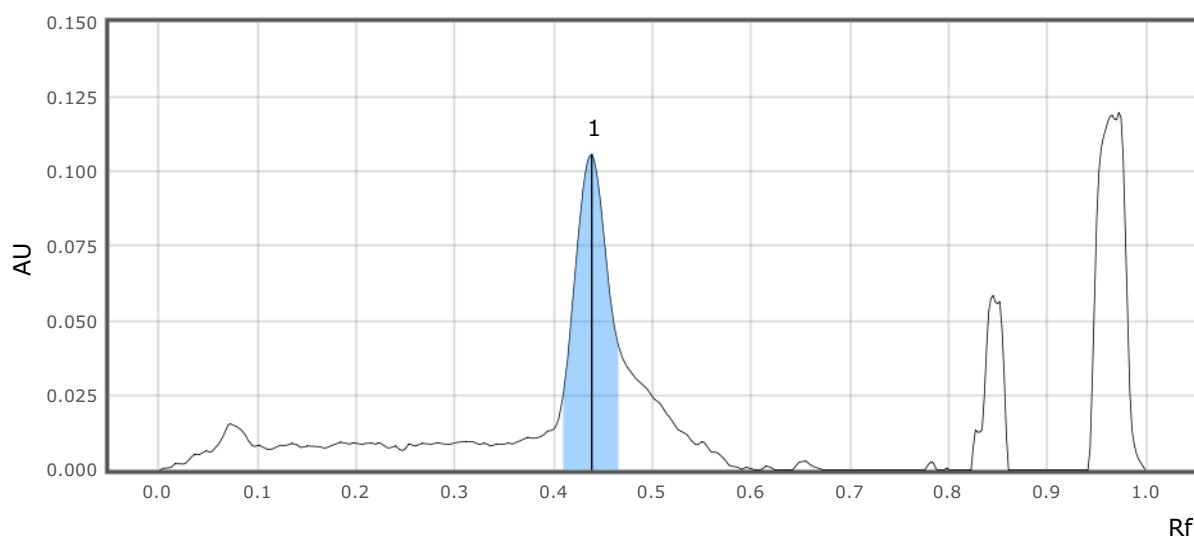
visionCATS



Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.457	0.0223	0.494	0.2439	76.70	0.535	0.0292	0.01100	92.04	Yes	CBN
2	0.818	0.0000	0.825	0.0117	3.69	0.831	0.0003	0.00008	0.69	No	
3	0.831	0.0003	0.845	0.0623	19.61	0.856	0.0000	0.00087	7.26	No	

Track 6:

Type	Reference
Vial ID	CBG 100
Description	CBG 500ng
Volume	5.0 µl

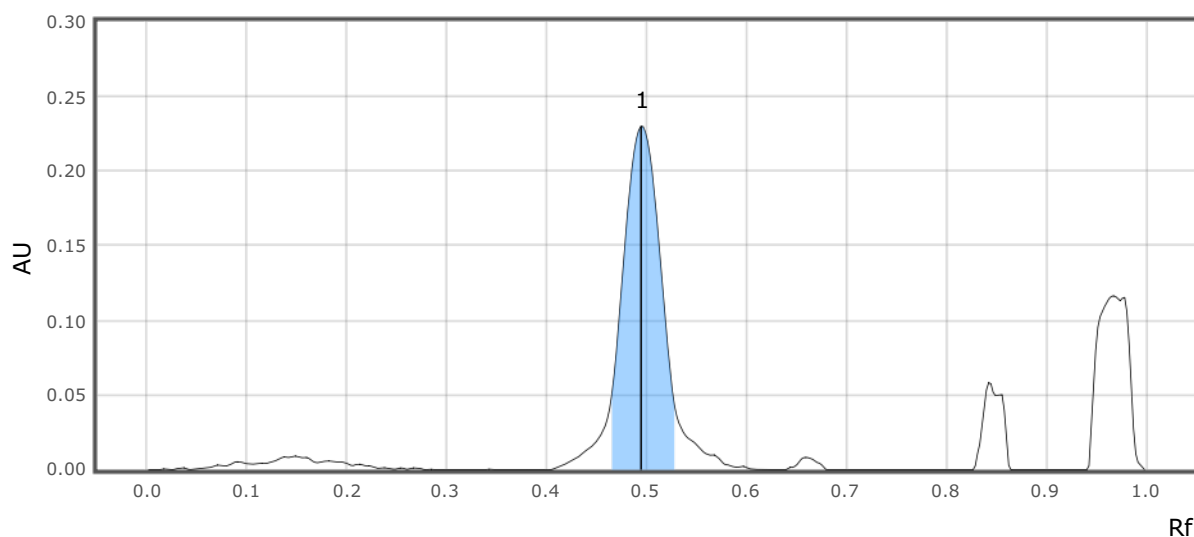


Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.408	0.0209	0.439	0.1057	100.00	0.466	0.0416	0.00411	100.00	Yes	CBG

HpDef-3

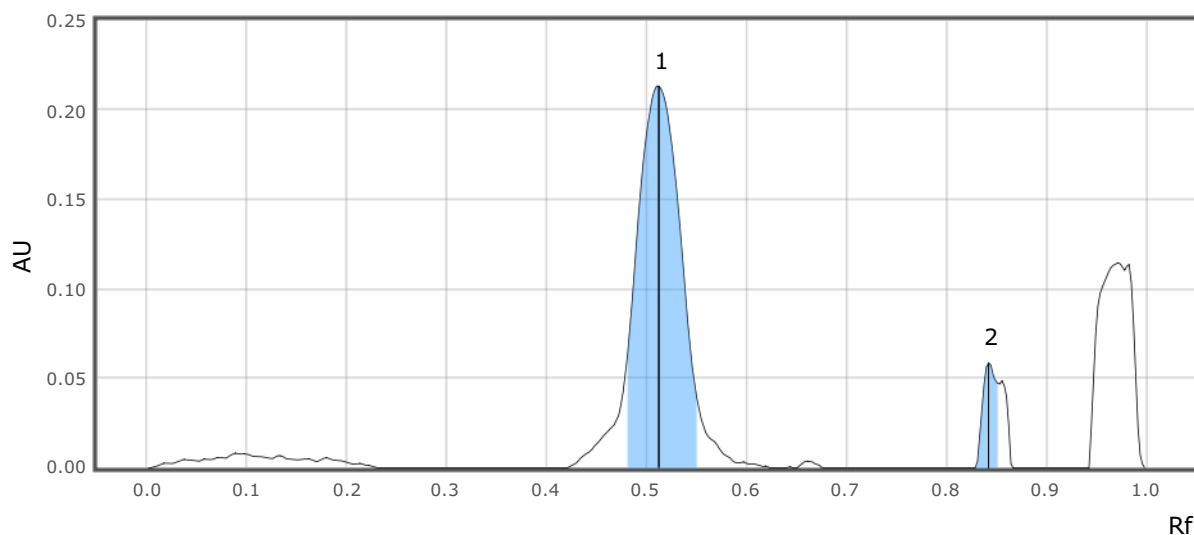
visionCATS

Track 7:	
Type	Reference
Vial ID	CBC 100
Description	CBC 500ng
Volume	5.0 µl



Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.464	0.0411	0.494	0.2295	100.00	0.529	0.0431	0.00965	100.00	Yes	CBC

Track 8:	
Type	Reference
Vial ID	THCV 100
Description	THCV 500ng
Volume	5.0 µl



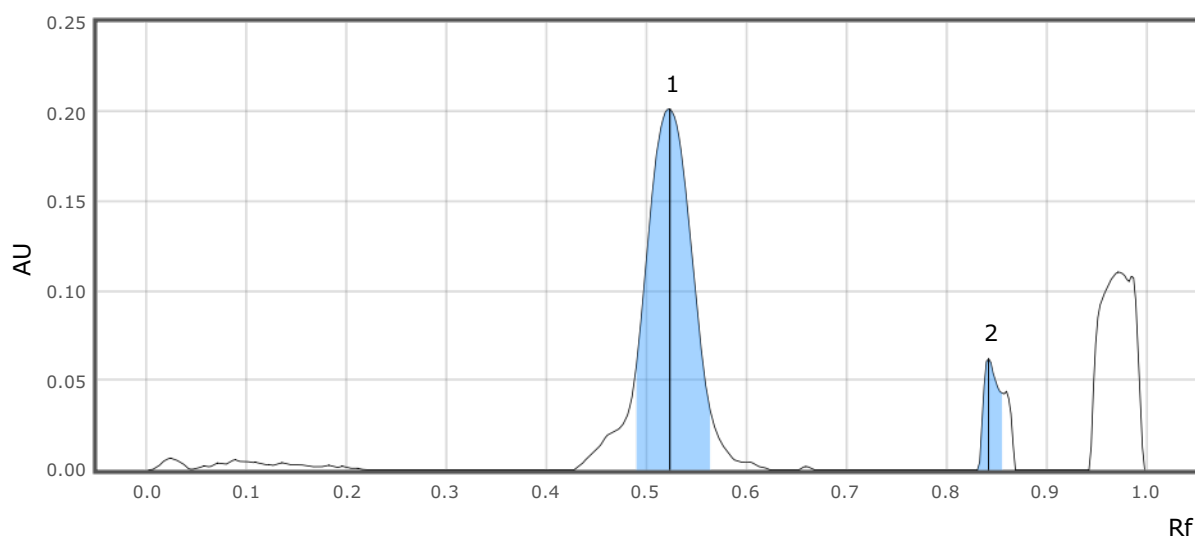
HpDef-3

visionCATS

Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.477	0.0423	0.512	0.2131	78.48	0.553	0.0330	0.01053	91.39	Yes	THCV
2	0.829	0.0000	0.842	0.0584	21.52	0.854	0.0468	0.00099	8.61	No	

Track 9:

Type	Reference
Vial ID	CBDV 100
Description	CBDV 500ng
Volume	5.0 µl



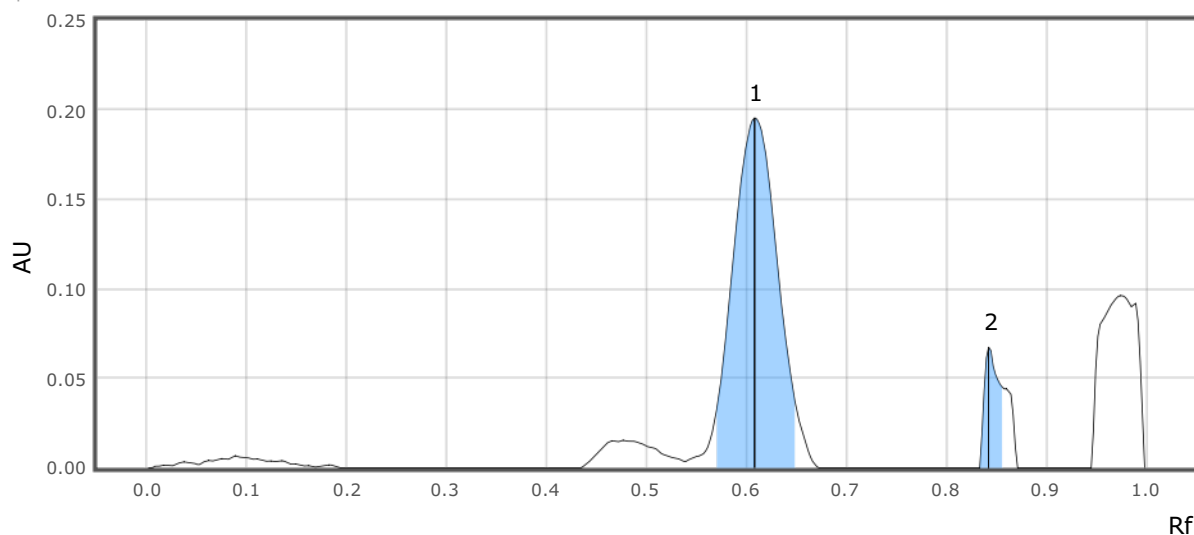
Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.486	0.0407	0.523	0.2015	76.47	0.564	0.0334	0.01027	89.91	Yes	CBDV
2	0.831	0.0000	0.842	0.0620	23.53	0.858	0.0424	0.00115	10.09	No	

Track 10:

Type	Reference
Vial ID	8-THC 100
Description	D8-THC 500ng
Volume	5.0 µl

HpDef-3

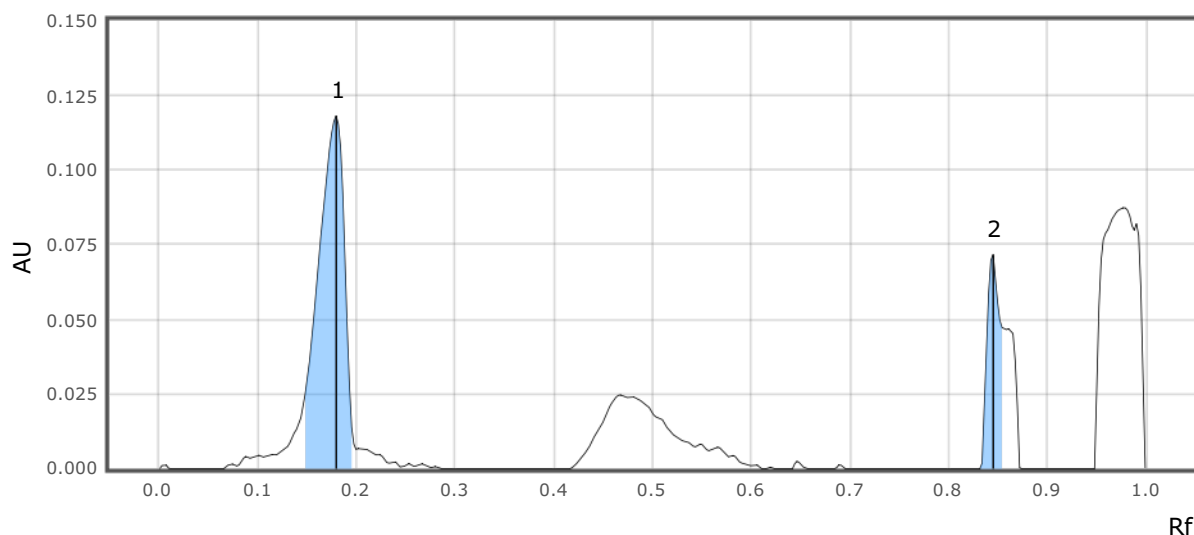
visionCATS



Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.567	0.0199	0.608	0.1953	74.37	0.651	0.0314	0.00997	89.43	Yes	8-THC
2	0.834	0.0000	0.842	0.0673	25.63	0.858	0.0441	0.00118	10.57	No	

Track 11:

Type	Reference
Vial ID	THCA-A 100
Description	THCA-A 500ng
Volume	5.0 µl



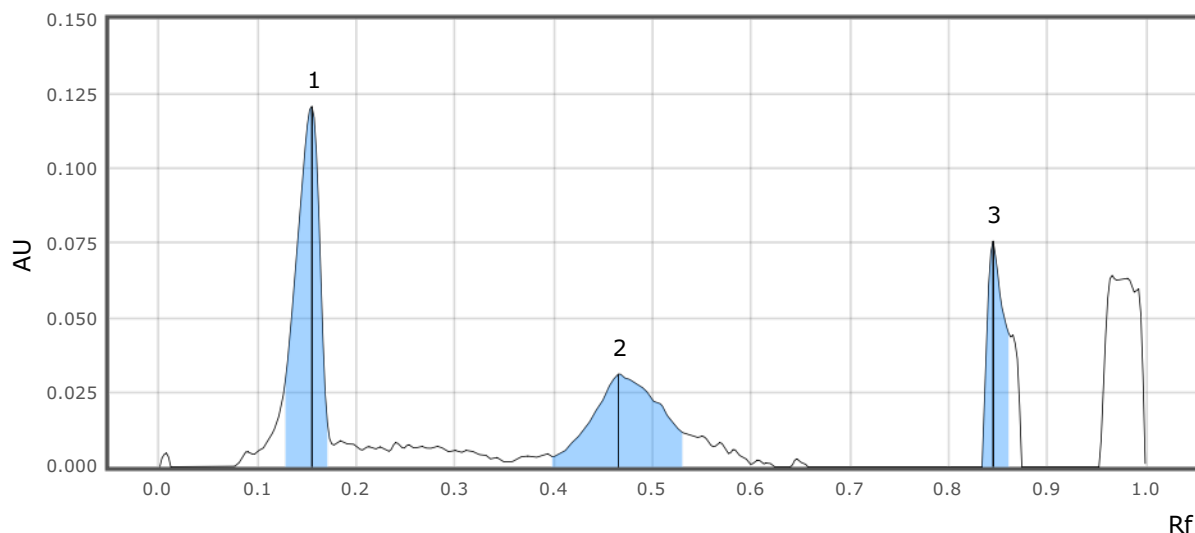
Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.147	0.0206	0.180	0.1179	62.24	0.196	0.0139	0.00357	74.53	Yes	THCA-A
2	0.831	0.0000	0.845	0.0715	37.76	0.858	0.0465	0.00122	25.47	No	

Track 12:

HpDef-3

visionCATS

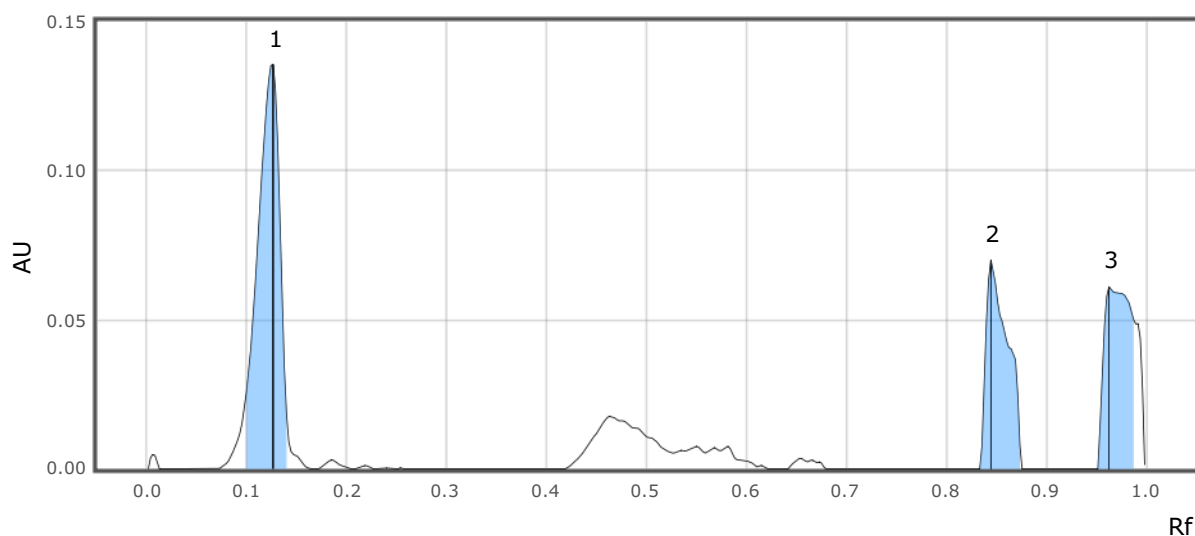
Type	Reference
Vial ID	CBDA 100
Description	CBDA 500ng
Volume	5.0 µl



Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.127	0.0239	0.155	0.1207	53.09	0.171	0.0149	0.00330	44.34	Yes	CBDA
2	0.398	0.0034	0.465	0.0310	13.65	0.546	0.0099	0.00263	35.27	No	
3	0.834	0.0000	0.845	0.0756	33.26	0.863	0.0435	0.00152	20.38	No	

Track 13:

Type	Reference
Vial ID	CBGA 100
Description	CBGA 500ng
Volume	5.0 µl



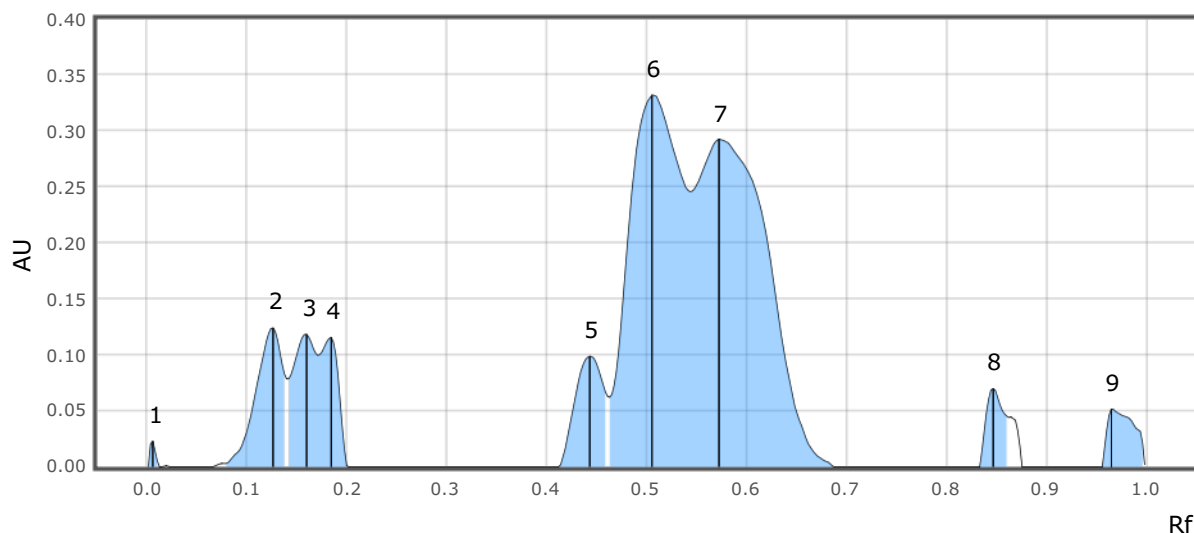
HpDef-3

visionCATS

Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.098	0.0199	0.126	0.1354	50.84	0.140	0.0181	0.00343	48.22	Yes	CBGA
2	0.834	0.0000	0.845	0.0699	26.26	0.876	0.0000	0.00175	24.58	No	
3	0.952	0.0000	0.963	0.0610	22.89	0.990	0.0485	0.00193	27.21	No	

Track 14:

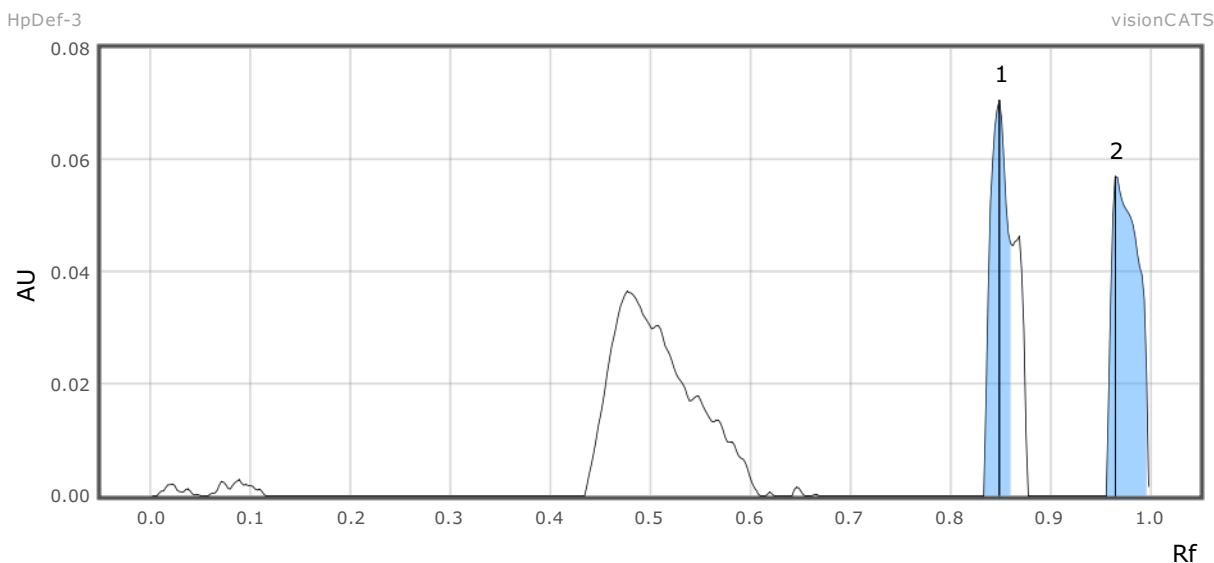
Type	Sample
Vial ID	Mixture 100
Description	Mixture 500ng
Volume	5.0 µl



Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.001	0.0000	0.006	0.0228	1.86	0.012	0.0000	0.00014	0.23	No	
2	0.077	0.0029	0.126	0.1241	10.12	0.140	0.0786	0.00385	6.36	No	
3	0.142	0.0786	0.160	0.1184	9.66	0.171	0.0996	0.00302	4.99	No	
4	0.171	0.0996	0.184	0.1156	9.43	0.202	0.0000	0.00247	4.09	No	
5	0.412	0.0000	0.443	0.0988	8.06	0.461	0.0630	0.00318	5.25	No	
6	0.463	0.0621	0.506	0.3321	27.09	0.544	0.2458	0.02014	33.28	No	
7	0.544	0.2458	0.573	0.2926	23.87	0.689	0.0000	0.02467	40.76	No	
8	0.834	0.0000	0.847	0.0698	5.70	0.863	0.0441	0.00144	2.37	No	
9	0.956	0.0000	0.965	0.0516	4.21	0.999	0.0018	0.00161	2.66	No	

Track 15:

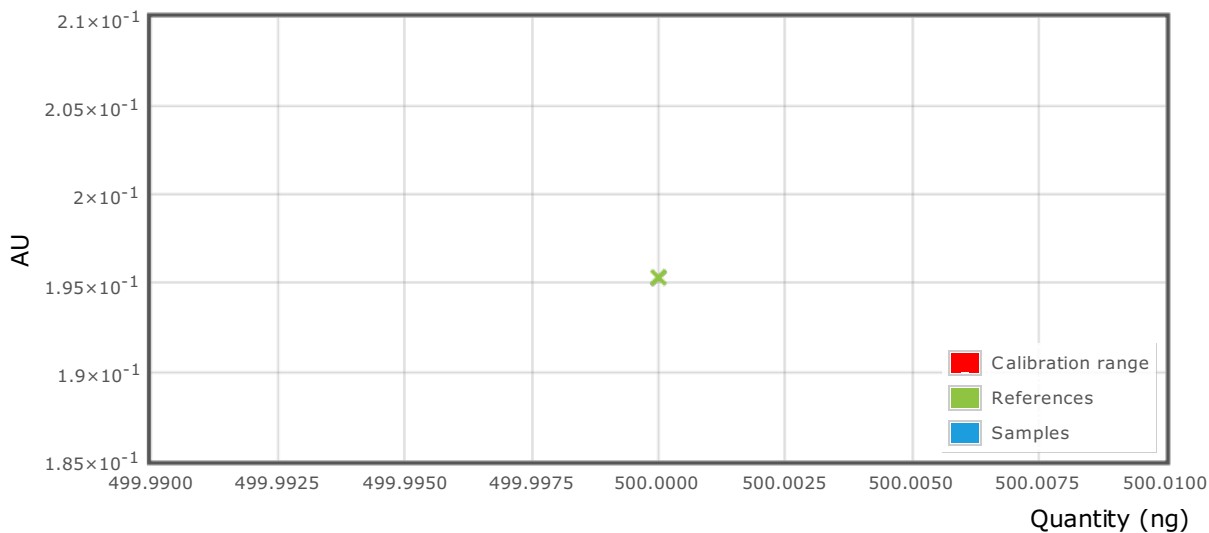
Type	Sample
Vial ID	MeOH blank
Description	MeOH Blank
Volume	2.0 µl



Peak #	Start		Max			End		Area		Manual peak	Substance Name
	Rf	H	Rf	H	%	Rf	H	A	%		
1	0.834	0.0000	0.849	0.0707	55.33	0.863	0.0447	0.00148	45.23	No	
2	0.956	0.0000	0.965	0.0570	44.67	0.999	0.0016	0.00179	54.77	No	

Calibration results:

Height calibration for substance 8-THC @ RT White:

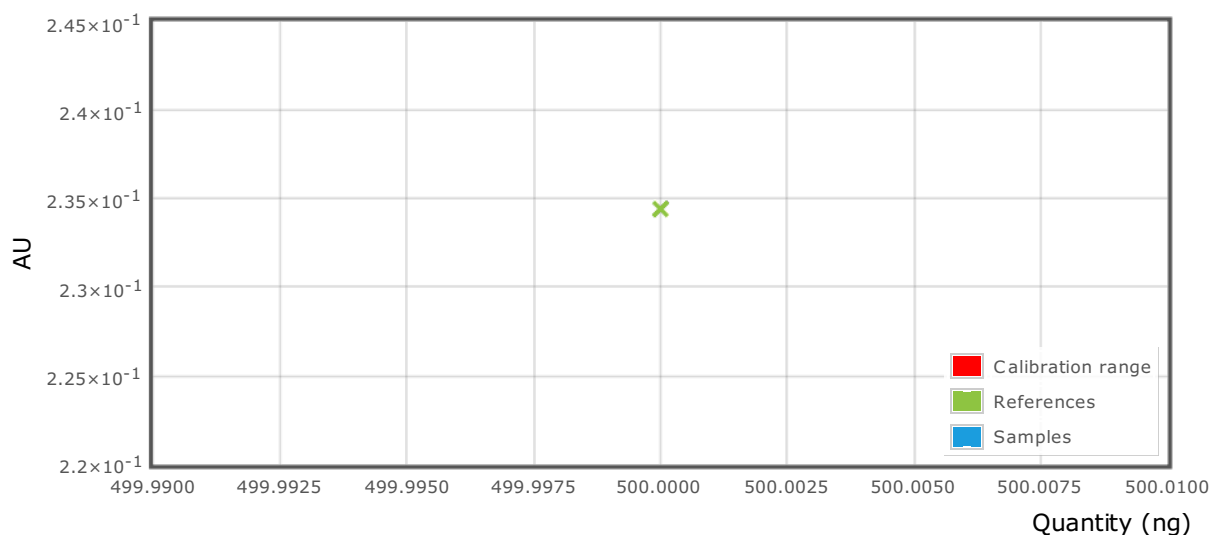


HpDef-3

visionCATS

Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance 9-THC @ RT White:

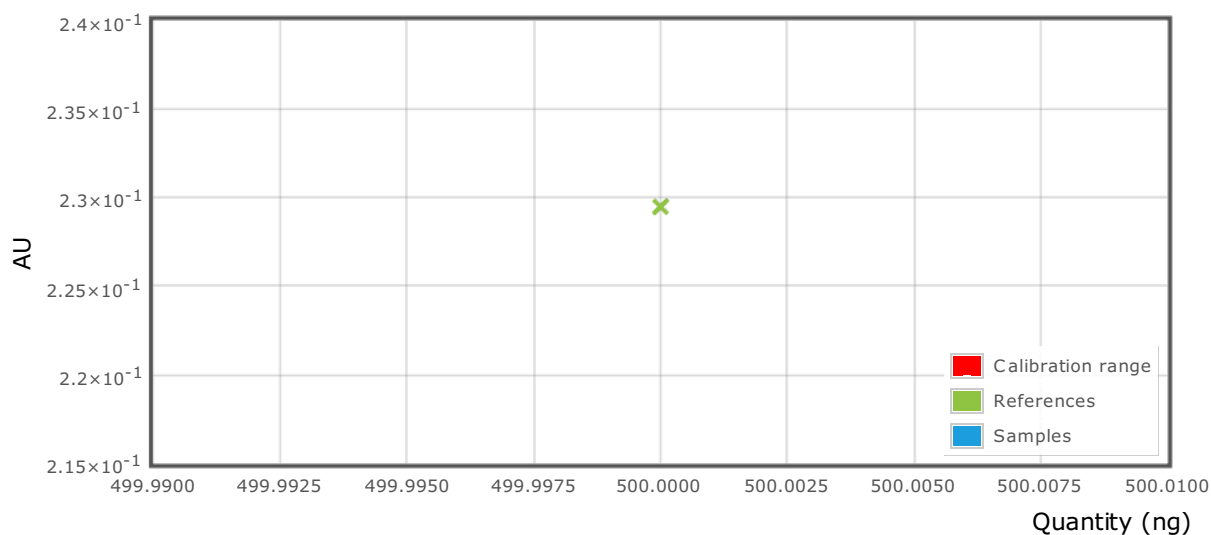


Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance CBC @ RT White:

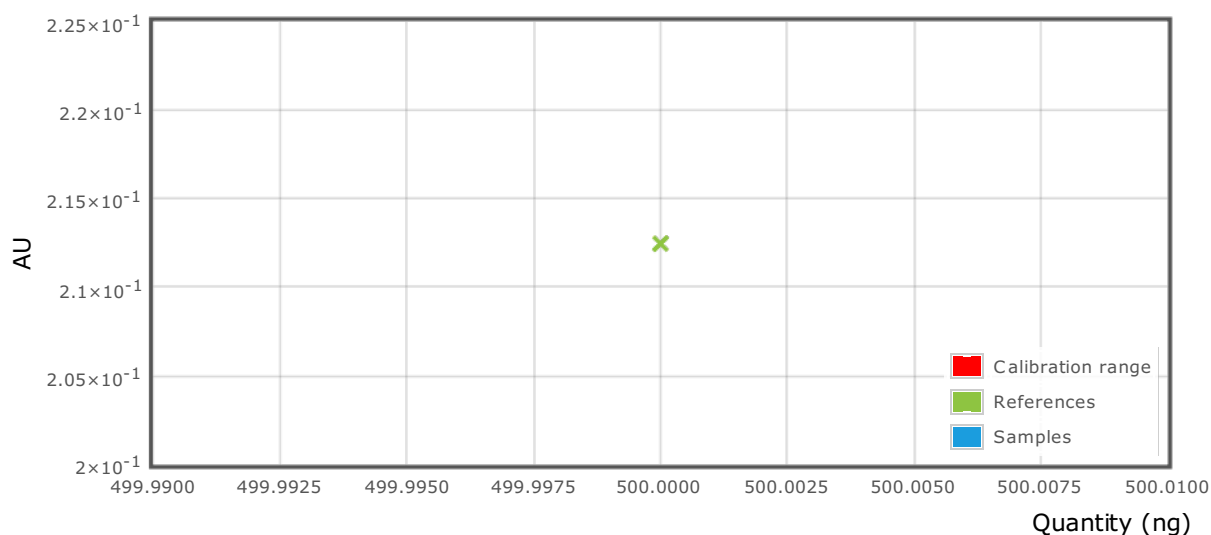
HpDef-3

visionCATS



Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance CBD @ RT White:

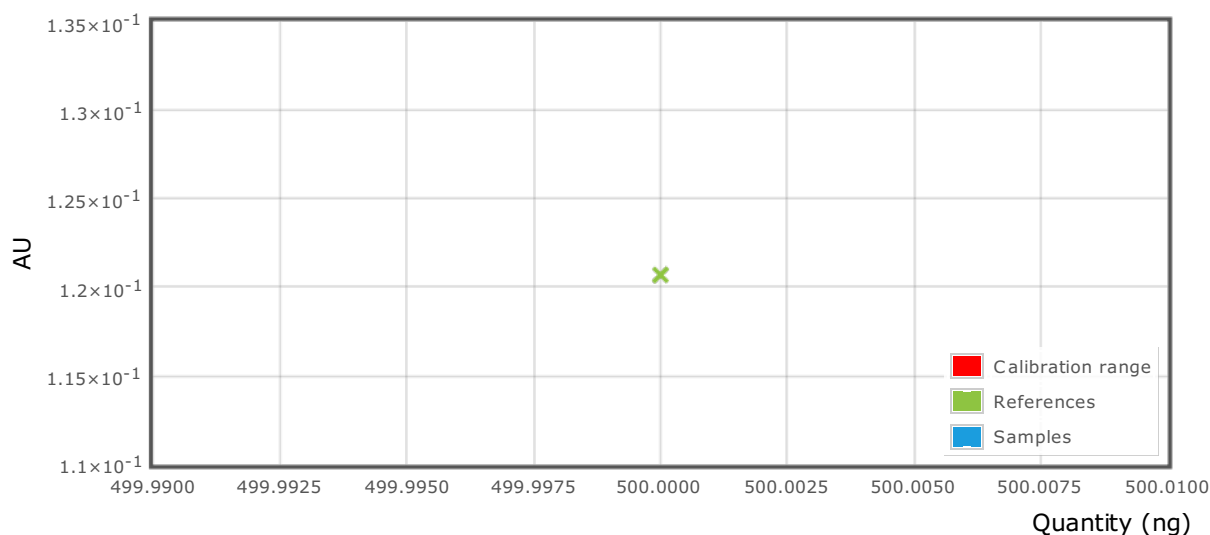


HpDef-3

visionCATS

Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance CBDA @ RT White:

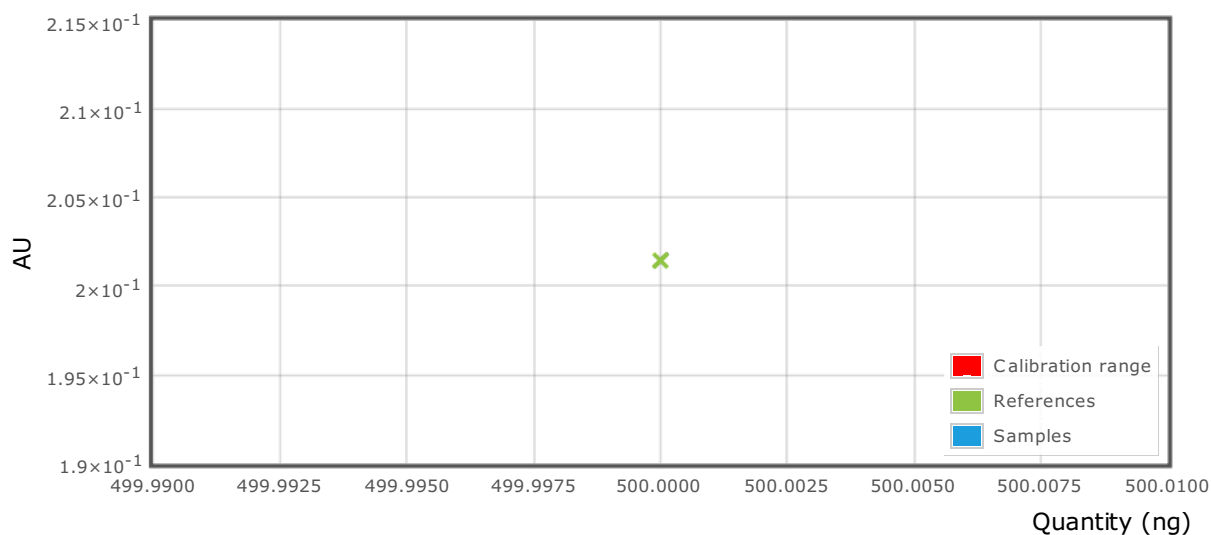


Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance CBDV @ RT White:

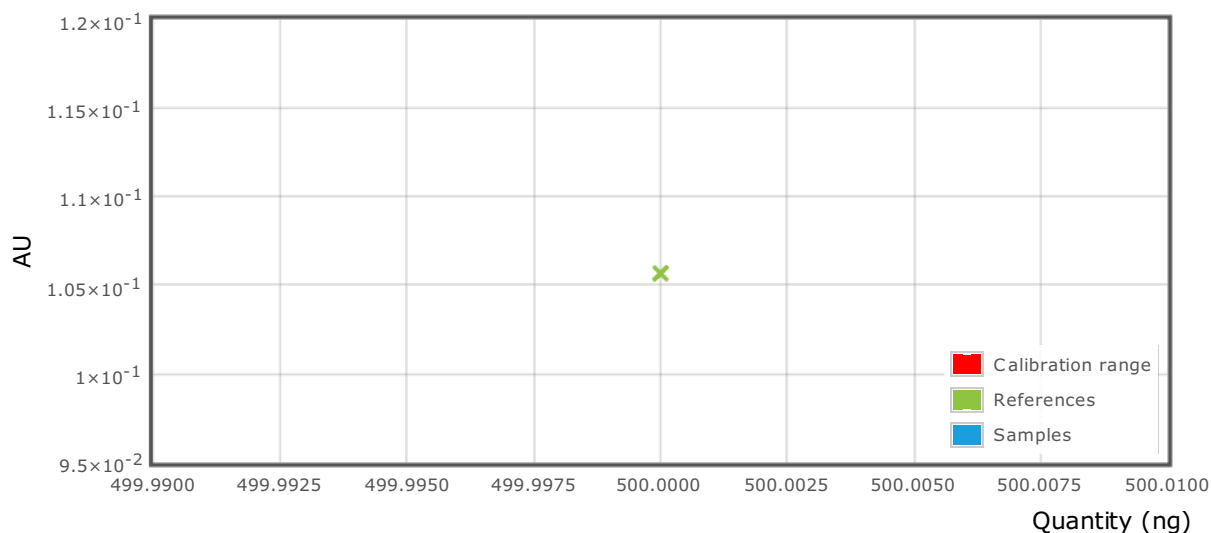
HpDef-3

visionCATS



Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance CBG @ RT White:

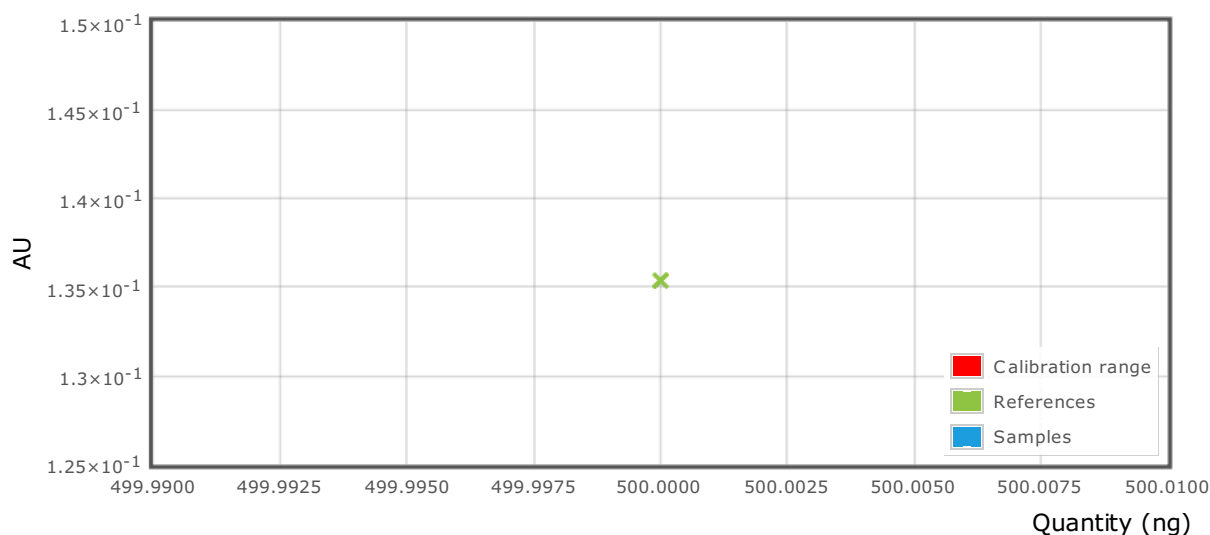


HpDef-3

visionCATS

Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance CBGA @ RT White:

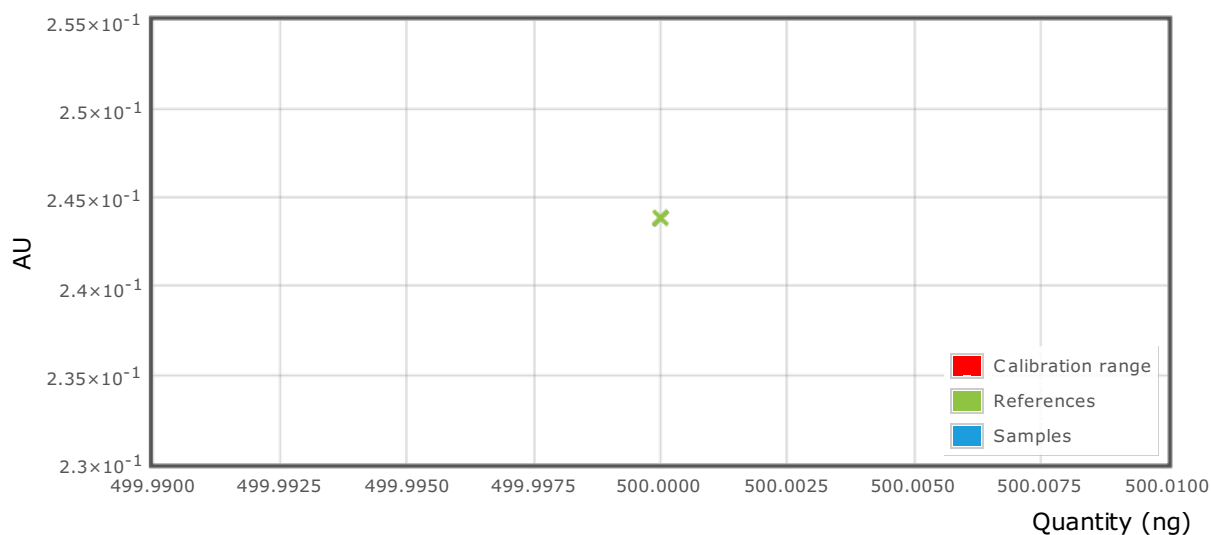


Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance CBN @ RT White:

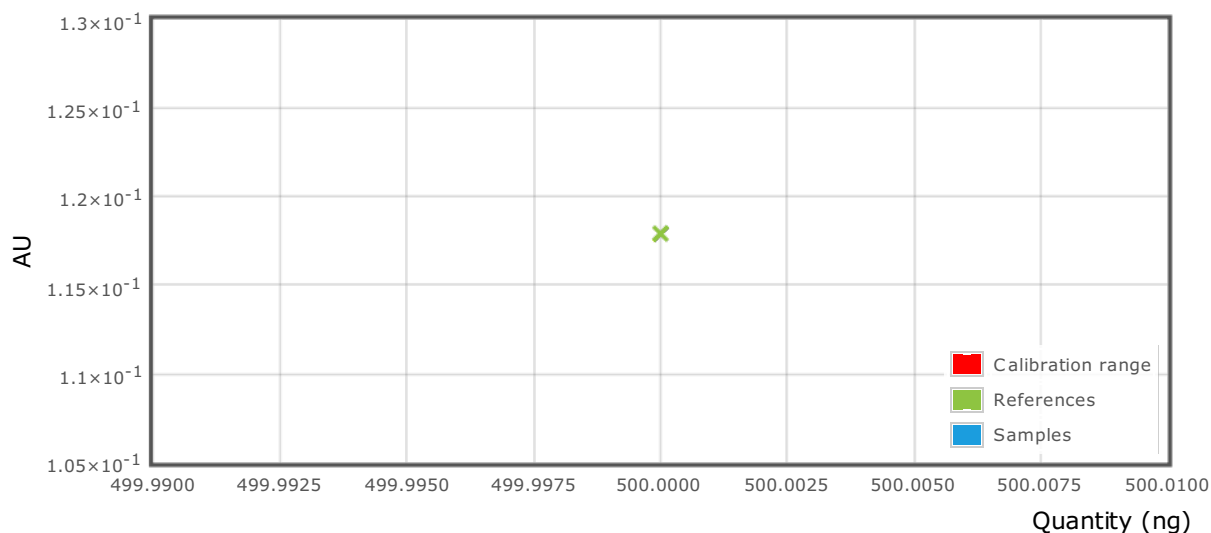
HpDef-3

visionCATS



Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance THCA-A @ RT White:

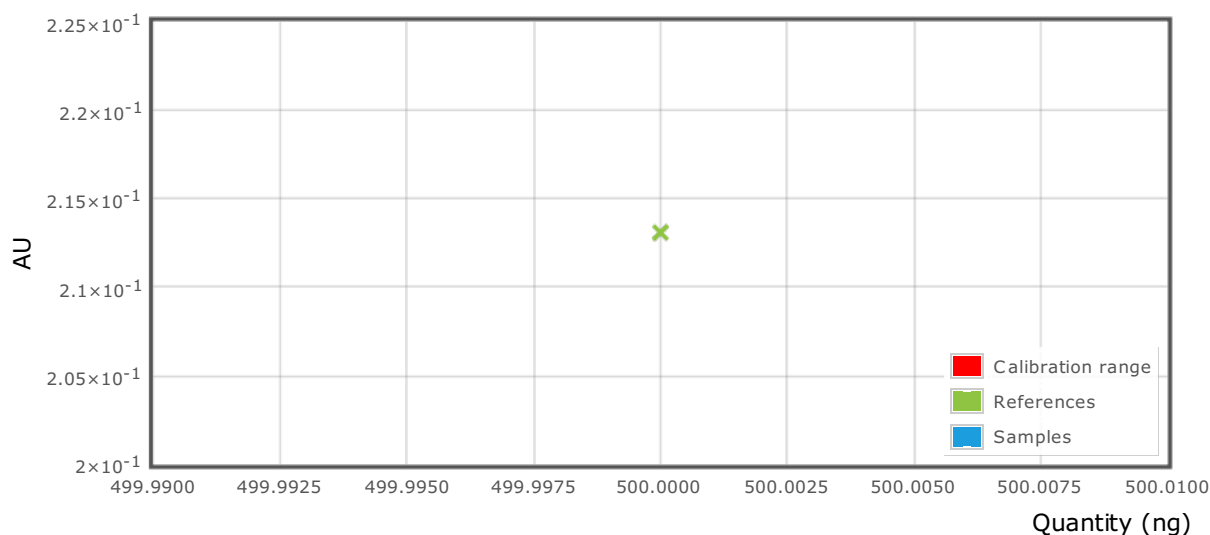


HpDef-3

visionCATS

Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Height calibration for substance THCV @ RT White:



Regression mode	Linear-2
Range deviation	5.00 %
Related substances	Default
Number of references	1
Calibration function	$y=0x$
Coefficient of variation	CV 0.00 %
Correlation coefficient	n/a
	Unable to compute the results for this substance because there wasn't enough groups of references replicas (at least 1 for Linear-1, 2 for Linear2 and Mime-1 and 3 for Polynomial and MiMe-2)

Results:

Substance having no available results		
	CBG	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	THCA-A	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	THCV	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	8-THC	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	CBGA	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	9-THC	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	CBD	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	CBDA	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	CBN	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	CBDV	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.
	CBC	There wasn't any sample application available in the assignments for this substance. Please check that the peaks were correctly detected and assigned for this substance.

A track marked with  means: this result is outside the regression range given by the reference assignments, but is included in the results because it is in the allowed range deviation.

Analyst:

Reviewer: