

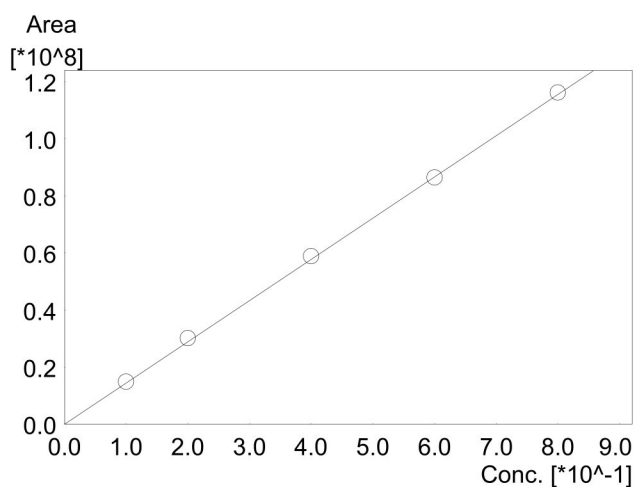


ADVANCED ANALYTICAL LABORATORY SCHOOL OF HEALTH SCIENCES, USM.

HPLC ANALYSIS REPORT 10 Sept., 2020

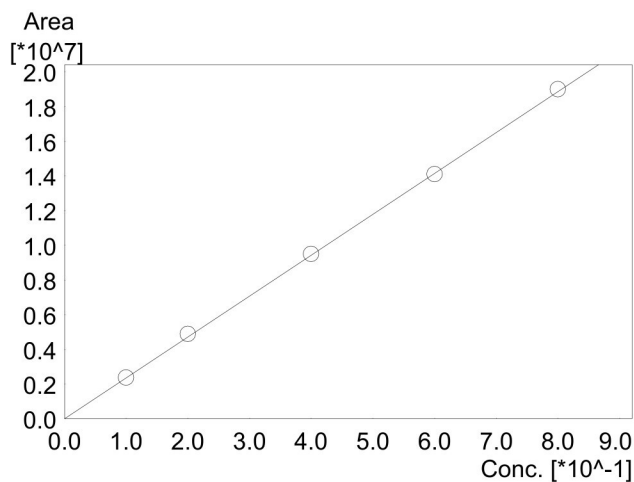
Baha'uddeen Calibration Curves for Aflatoxin Standards_RP-HPLC-FLD

ID# : 1
Name : Aflatoxin G2
Quantitative Method : External Standard
Function : $f(x)=1.34640e+008*x+0$
Rr1=0.9999826 Rr2=0.9999653 RSS=2.02152074e+012
MeanRF: 5.6754741e+008 RFSD: 1.8550e+004 RFRSD: 3.251872
FitType : Linear
ZeroThrough : Through
Weighted Regression : None
Detector Name : Detector A



#	Conc.(Ratio)	Area	MeanArea	%RSD
1	0.1	13464517	13464517	2.2650
		13464212		
		13464822		
2	0.2	28548397	28567434	5.7779
		28577752		
		28576153		
3	0.4	53694424	53723446	4.9570
		53746760		
		53729153		
4	0.6	80399096	80378614	2.8298
		80382611		
		80354135		
5	0.8	107668175	107639692	2.4682
		107635318		
		107615583		

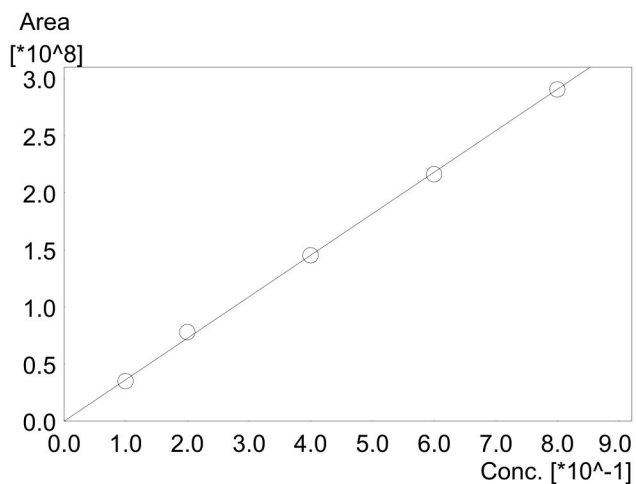
ID# : 2
Name : Aflatoxin G1
Quantitative Method : External Standard
Function : $f(x)=2.01e+007*x+0$
Rr1=0.999741 Rr2=0.9994836 RSS=8.953664e+010
MeanRF: 1.006627e+007 RFSD: 1.107474e+004 RFRSD: 9.592932
FitType : Linear
ZeroThrough : Through
Weighted Regression : None
Detector Name : Detector A



#	Conc.(Ratio)	Area	MeanArea	%RSD
1	0.1	2521177	2521561.67	7.2089684
		2523541		
		2519967		
2	0.2	5155314	5158901	6.5063886
		5159423		
		5161966		
3	0.4	9685316	9683934	5.6335256
		9688565		
		9677920		
4	0.6	14313521	14296276	19.85127
		14263521		
		14311786		
5	0.8	18674581	18670686	8.7645075
		18684751		
		18652726		

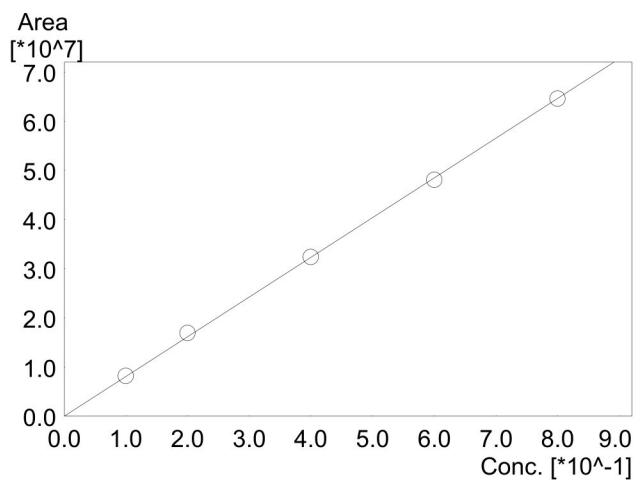
Baha'uddeen Calibration Curves for Aflatoxin Standards_HPLC-FLD

ID# : 3
 Name : Aflatoxin B2
 Quantitative Method : External Standard
 Function : $f(x)=3.24200e+008*x+0$
 Rr1=0.9999472 Rr2=0.99998525 RSS=7.827105e+012
 MeanRF: 1.361834e+008 RFSD: 9.3684e+004 RFRSD: 7.885674
 FitType : Linear
 ZeroThrough : Through
 Weighted Regression : None
 Detector Name : Detector A



#	Conc.(Ratio)	Area	MeanArea	%RSD
1	0.1	31074319	31103662	9.483998
		31103354		
		31133314		
2	0.2	67217617	67170094	7.452286
		67174827		
		67117839		
3	0.4	129814972	129981965	11.91183
		130120761		
		130010163		
4	0.6	194628270	194546827	6.143751
		194602602		
		194409610		
5	0.8	258246675	258114453	4.436345
		258048789		
		258047895		

ID# : 4
 Name : Aflatoxin B1
 Quantitative Method : External Standard
 Function : $f(x)=8.08071e+007*x+0$
 Rr1=0.9997518 Rr2=0.9998139 RSS=3.78944e+011
 MeanRF: 8.687853e+007 RFSD: 2.76251e+006 RFRSD: 0.08281735
 FitType : Linear
 ZeroThrough : Through
 Weighted Regression : None
 Detector Name : Detector A



#	Conc.(Ratio)	Area	MeanArea	%RSD
1	0.1	31074319	31103662	9.483998
		31103354		
		31133314		
2	0.2	67217617	67170094	7.452286
		67174827		
		67117839		
3	0.4	129814972	129981965	11.91183
		130120761		
		130010163		
4	0.6	194628270	194546827	6.143751
		194602602		
		194409610		
5	0.8	258246675	258114453	8.450225
		258048789		
		258047895		