

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-31\2017-07-31\_002.xad

Created: 7/31/2017 2:13:57 PM  
Modified: 7/31/2017 2:39:53 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

Assay Information:

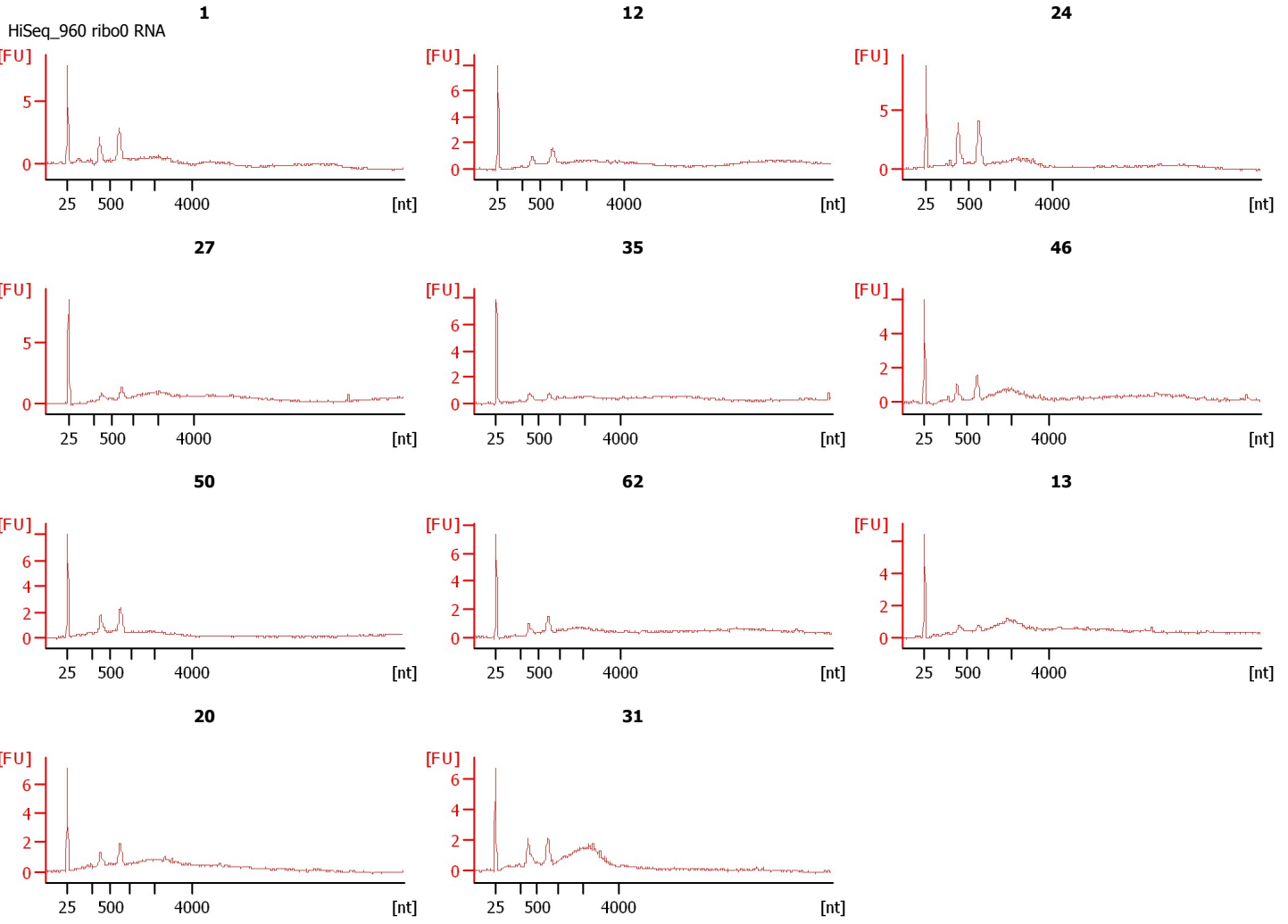
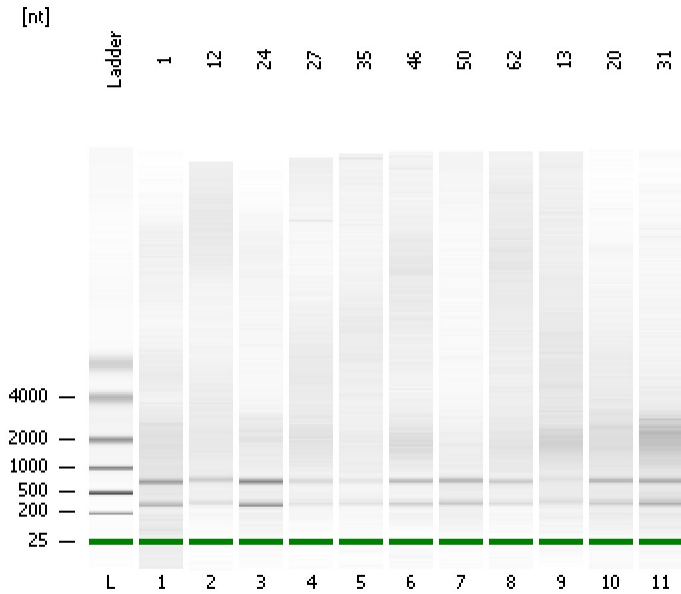
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico  
Version: 2.6  
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

Chip Lot #:      Reagent Kit Lot #:      Chip Comments:



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**Electrophoresis File Run Summary (Chip Summary)**

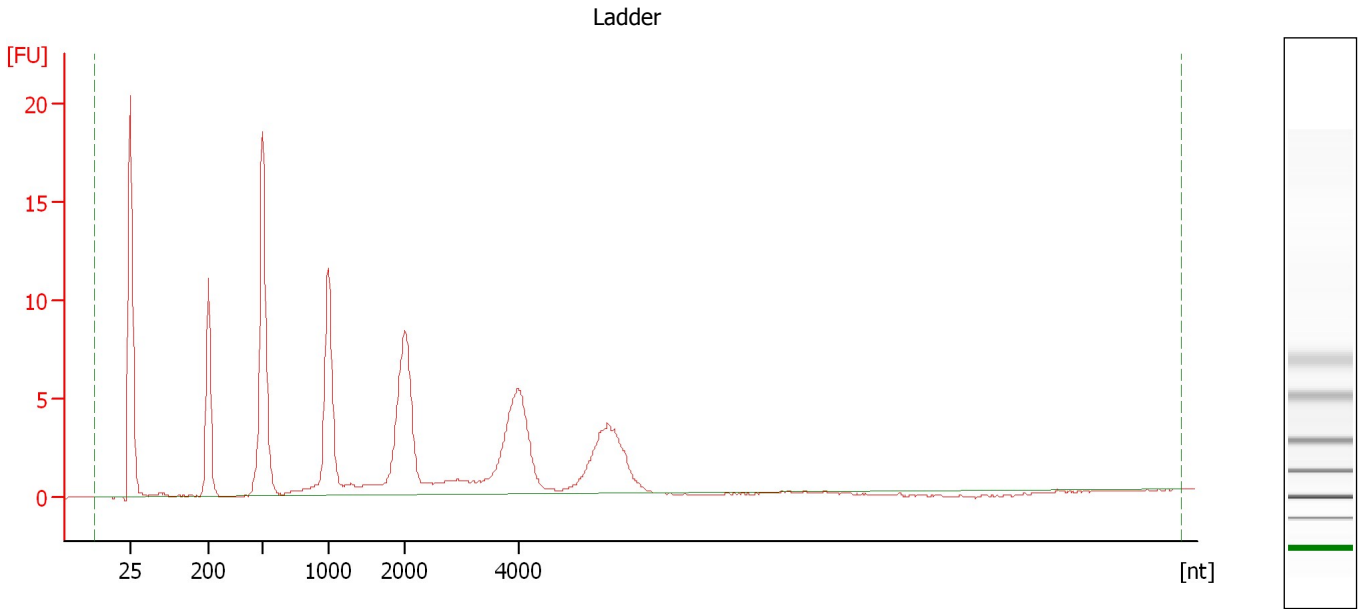
Sample Name	Sample Comment	Status	Result Label	Result Color
1	HiSeq_960 ribo0 RNA	✓		
12		✓		
24		✓		
27		✓		
35		✓		
46		✓		
50		✓		
62		✓		
13		✓		
20		✓		
31		✓		
Ladder		✓		

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

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**Electropherogram Summary**



**Overall Results for Ladder**

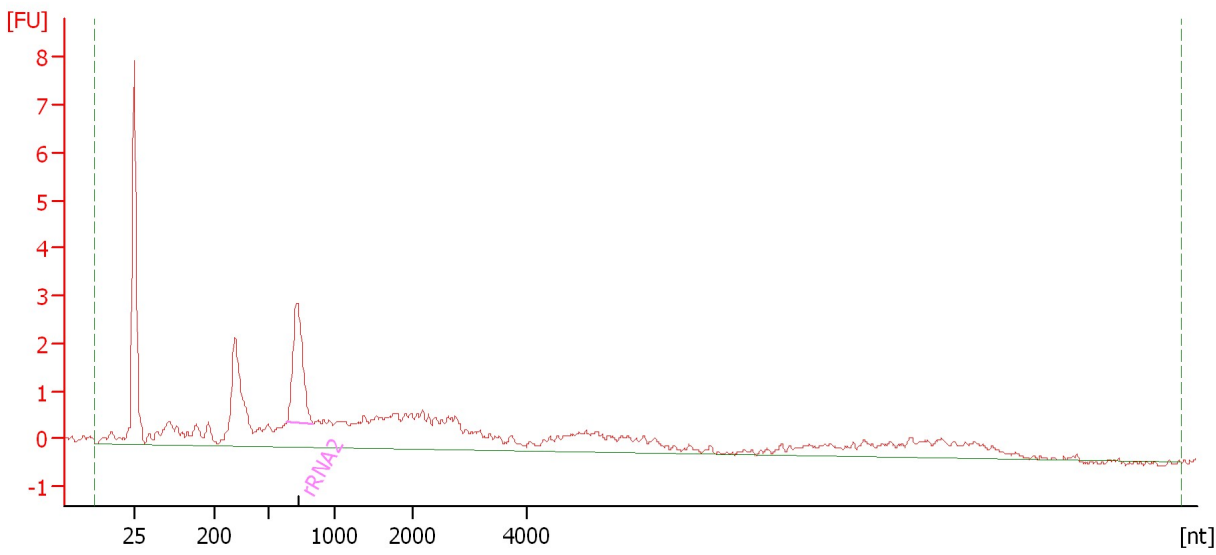
RNA Area: 149.1                      RNA Concentration: 1,000 pg/μl

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**Electropherogram Summary Continued ...**

1 [ HiSeq\_960 ribo0 RNA ]



**Overall Results for sample 1 : 1**

RNA Area: 55.3                      rRNA Contamination: 11.3 %  
RNA Concentration: 371 pg/μl

**Fragment table for sample 1 : 1**

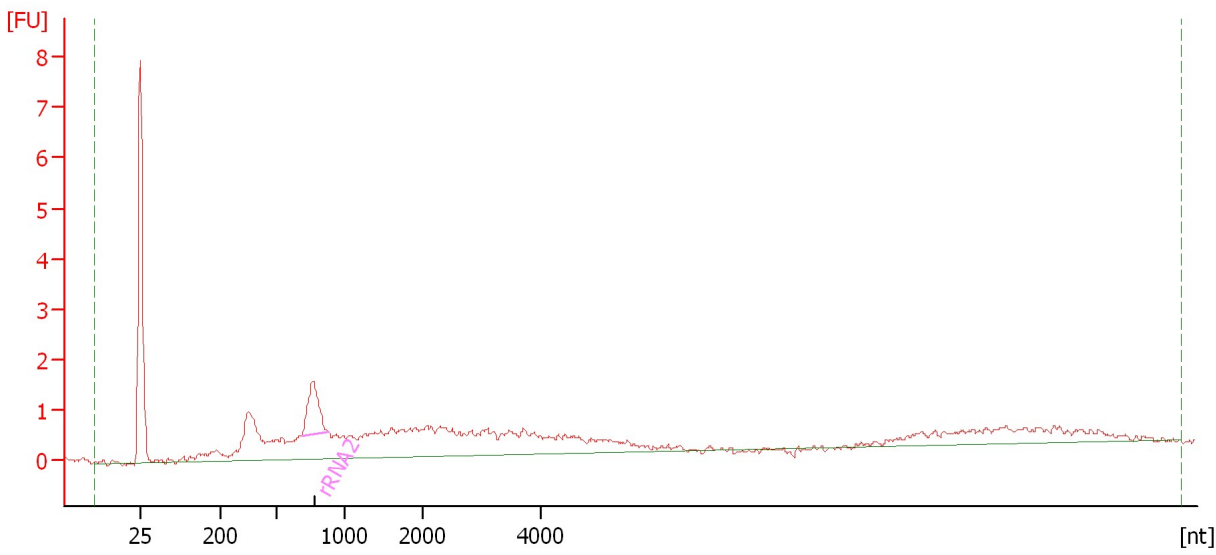
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	641	837	6.3	11.3

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**Electropherogram Summary Continued ...**

12



**Overall Results for sample 2 : 12**

RNA Area: 39.6                      rRNA Contamination: 7.2 %  
RNA Concentration: 266 pg/μl

**Fragment table for sample 2 : 12**

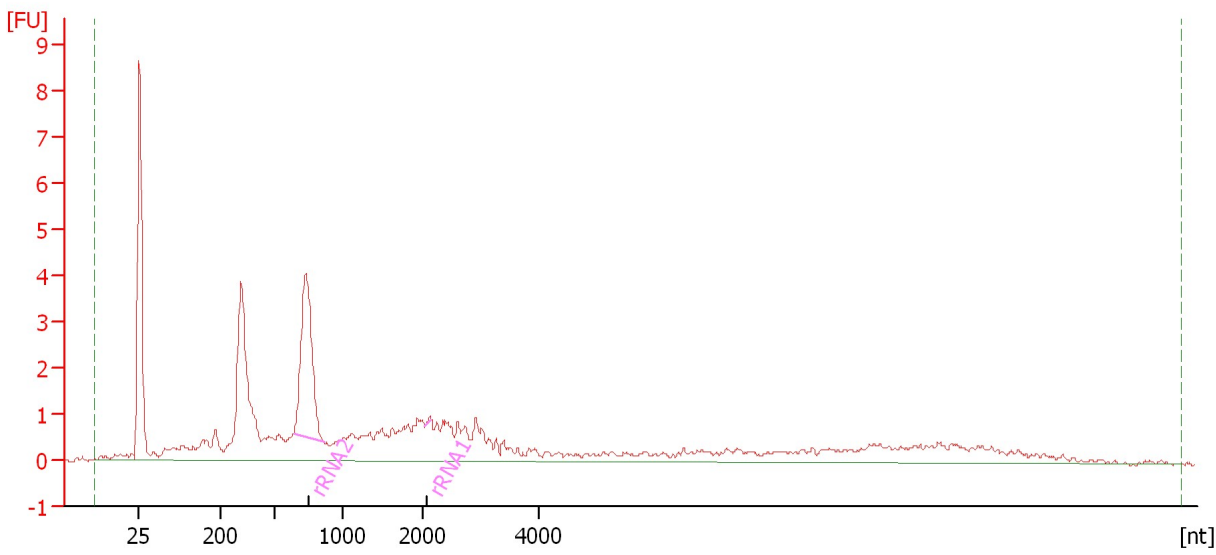
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	695	888	2.8	7.2

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-31\2017-07-31\_002.xad

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**Electropherogram Summary Continued ...**

24



**Overall Results for sample 3 : 24**

RNA Area: 70.1                      rRNA Contamination: 13.9 %  
RNA Concentration: 471 pg/μl

**Fragment table for sample 3 : 24**

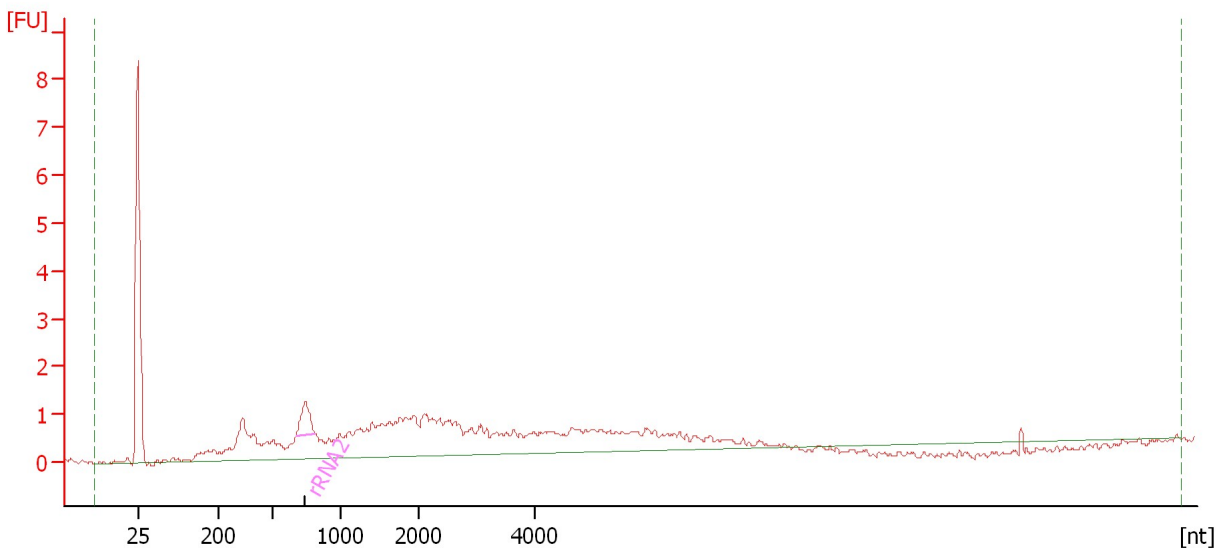
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	640	862	9.7	13.8
rRNA1	2,062	2,158	0.1	0.1

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**Electropherogram Summary Continued ...**

27



**Overall Results for sample 4 : 27**

RNA Area: 44.3                      rRNA Contamination: 3.3 %  
RNA Concentration: 297 pg/μl

**Fragment table for sample 4 : 27**

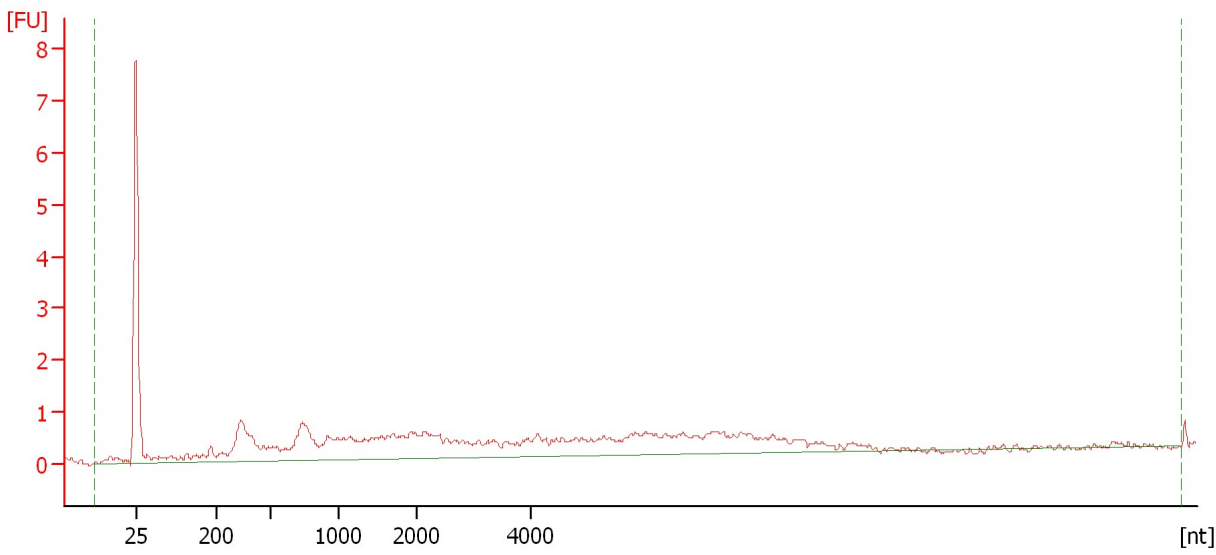
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	675	816	1.5	3.3

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-31\2017-07-31\_002.xad

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**Electropherogram Summary Continued ...**

35



**Overall Results for sample 5 : 35**

RNA Area: 37.0                      rRNA Contamination: 0.0 %  
RNA Concentration: 248 pg/μl

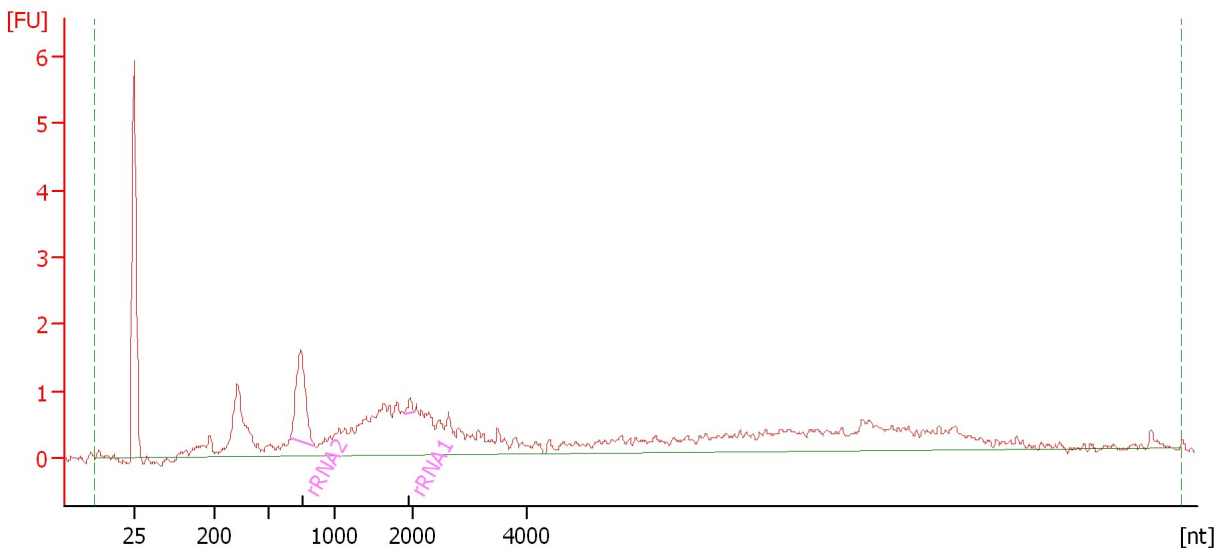


Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-31\2017-07-31\_002.xad

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**Electropherogram Summary Continued ...**

46



**Overall Results for sample 6 : 46**

RNA Area: 39.7                      rRNA Contamination: 8.6 %  
RNA Concentration: 267 pg/μl

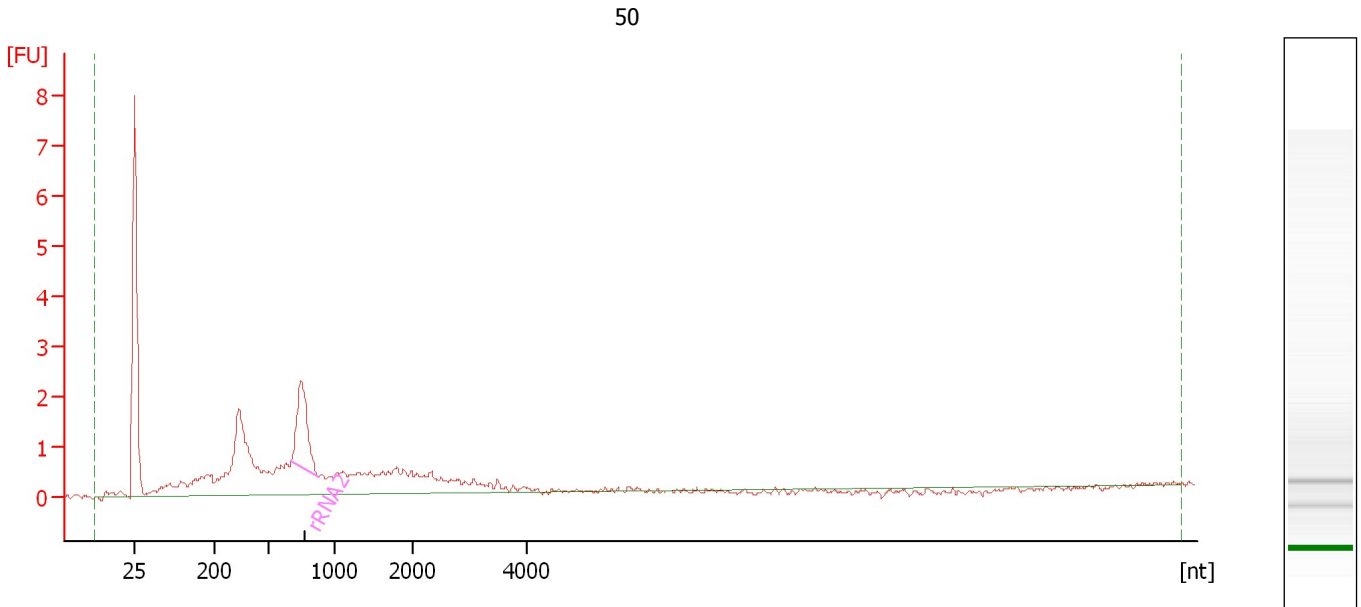
**Fragment table for sample 6 : 46**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	670	849	3.2	8.1
rRNA1	1,889	2,031	0.2	0.4

Assay Class: mRNA Pico  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 50**

RNA Area: 37.3                      rRNA Contamination: 12.3 %  
RNA Concentration: 250 pg/μl

**Fragment table for sample 7 : 50**

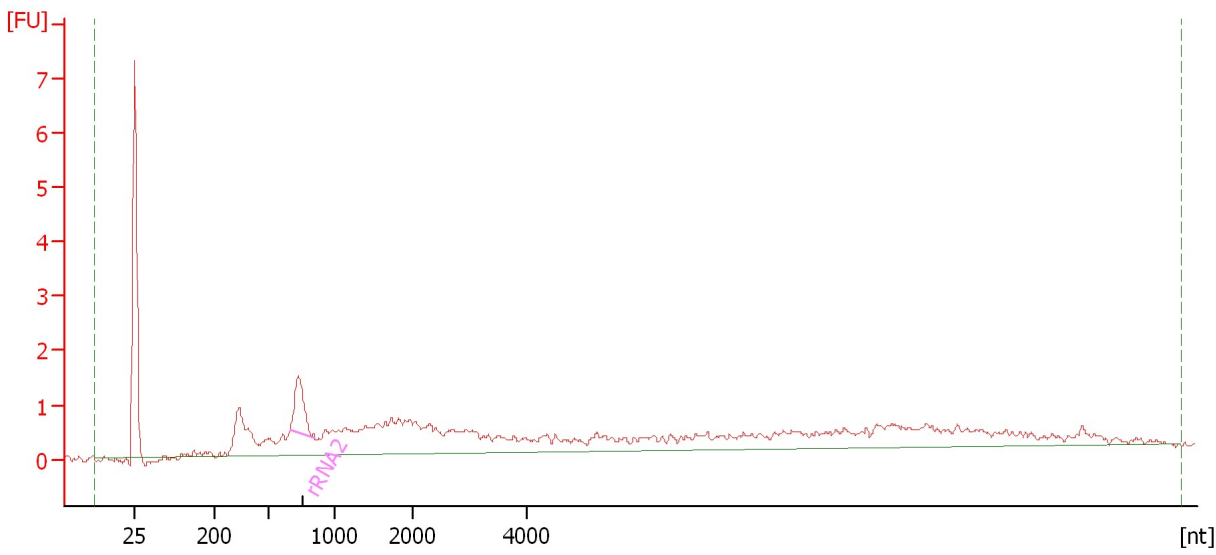
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	676	872	4.6	12.3

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-31\2017-07-31\_002.xad

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**Electropherogram Summary Continued ...**

62



**Overall Results for sample 8 : 62**

RNA Area: 44.0                      rRNA Contamination: 5.6 %  
RNA Concentration: 295 pg/μl

**Fragment table for sample 8 : 62**

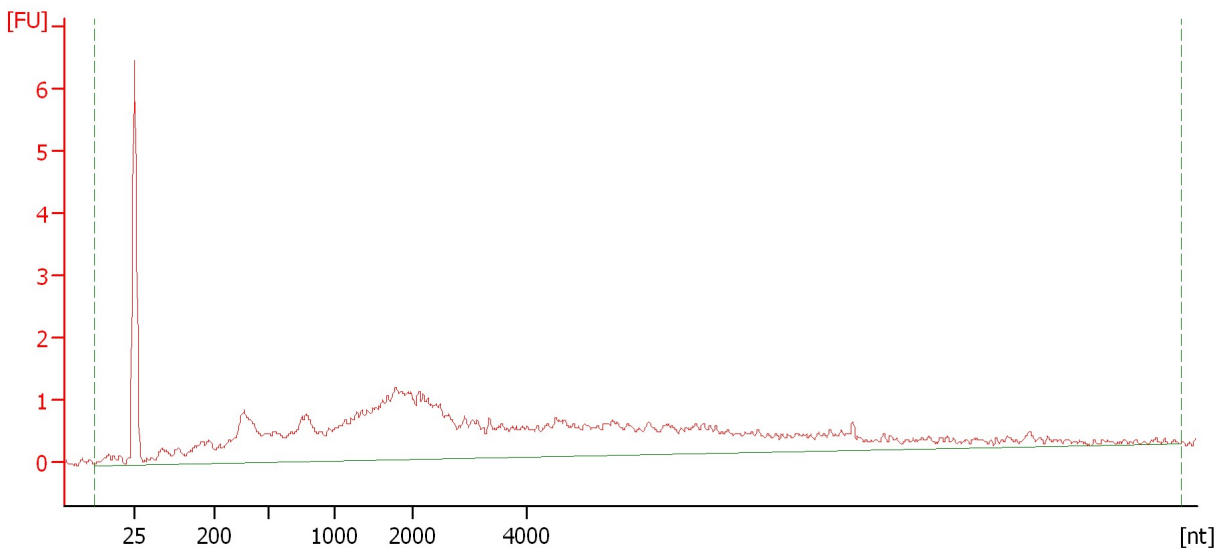
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	664	849	2.5	5.6

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-31\2017-07-31\_002.xad

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**Electropherogram Summary Continued ...**

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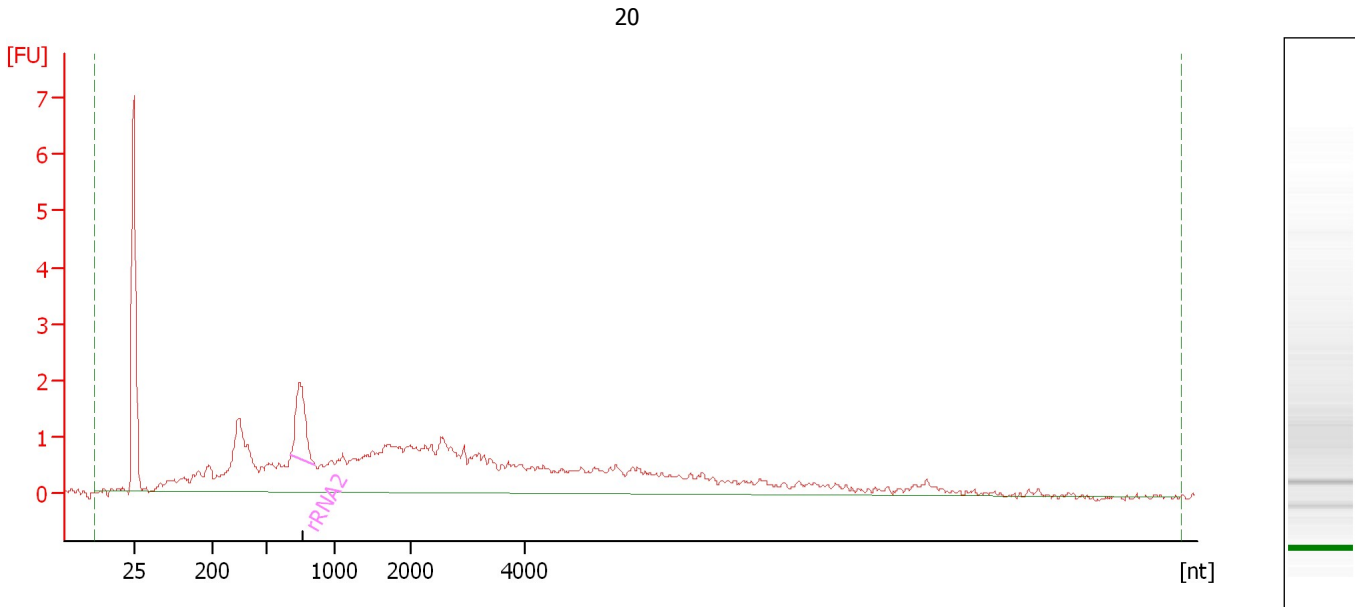
**Overall Results for sample 9 : 13**

RNA Area: 60.3                      rRNA Contamination: 0.0 %  
RNA Concentration: 404 pg/μl

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-31\2017-07-31\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 20**

RNA Area: 60.1                      rRNA Contamination: 5.4 %  
RNA Concentration: 403 pg/μl

**Fragment table for sample 10 : 20**

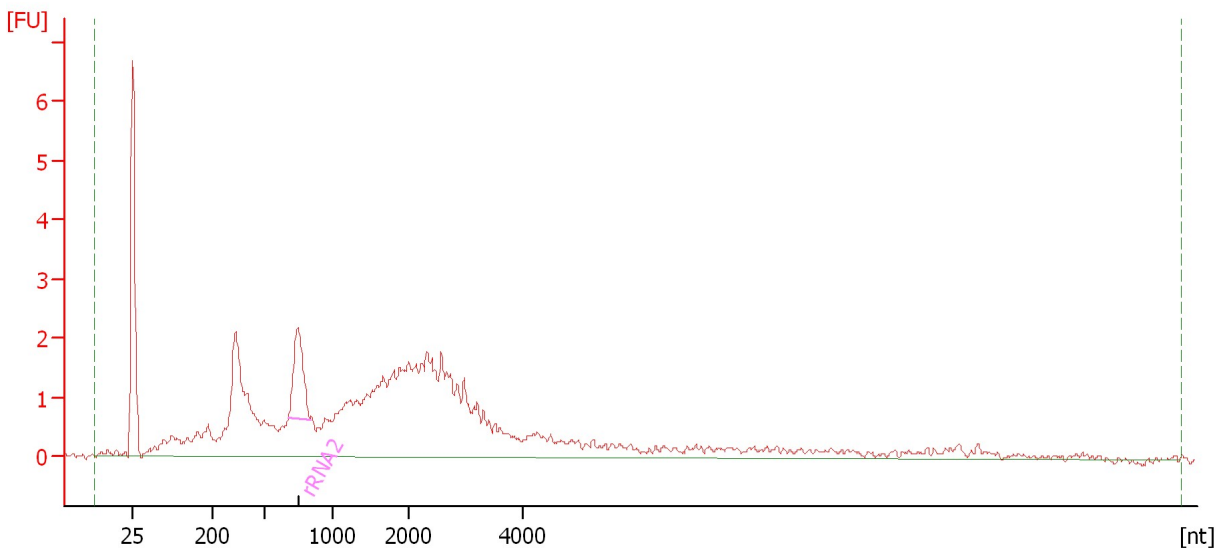
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	679	864	3.2	5.4

Assay Class: mRNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-31\2017-07-31\_002.xad

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**Electropherogram Summary Continued ...**

31



**Overall Results for sample 11 : 31**

RNA Area: 71.7                      rRNA Contamination: 5.2 %  
RNA Concentration: 481 pg/μl

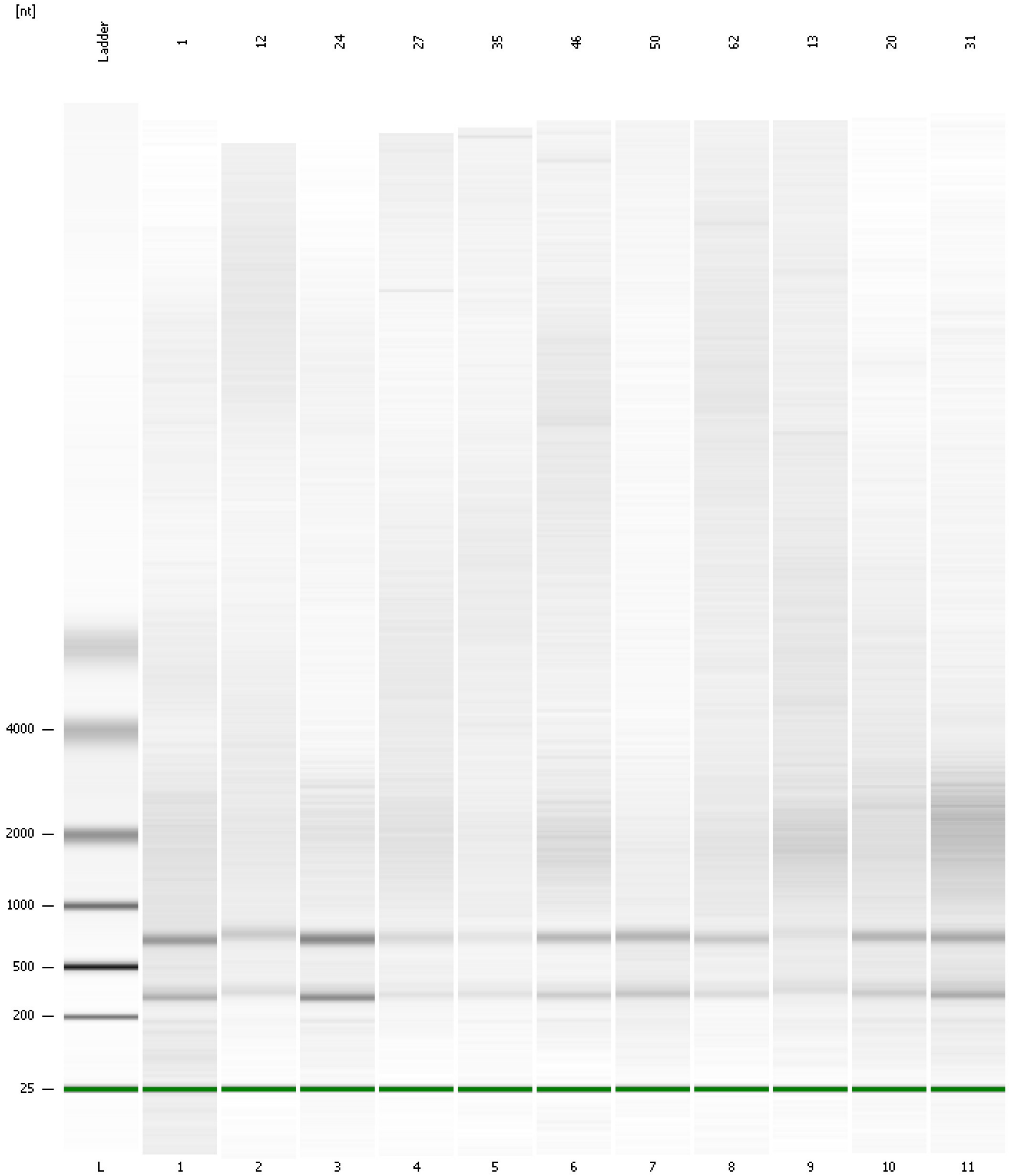
**Fragment table for sample 11 : 31**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	671	832	3.7	5.2

Assay Class: mRNA Pico  
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**Gel Image**



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**Curves**

**Standard Curve**

