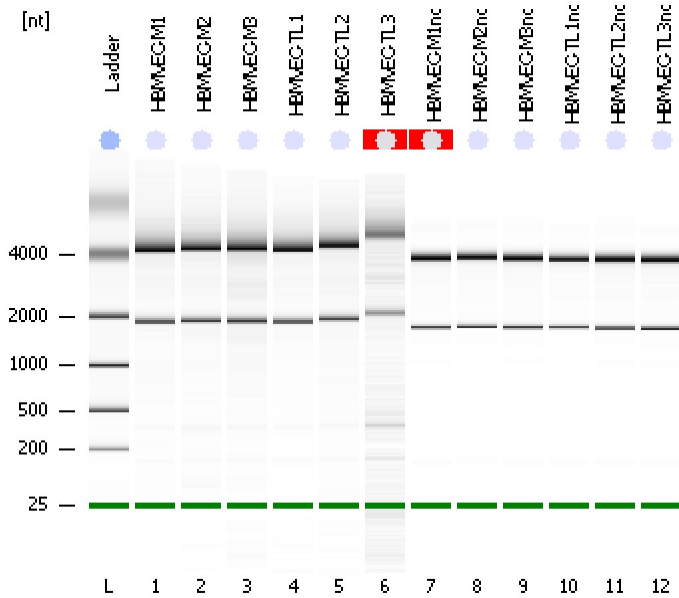


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electrophoresis File Run Summary



Instrument Information:

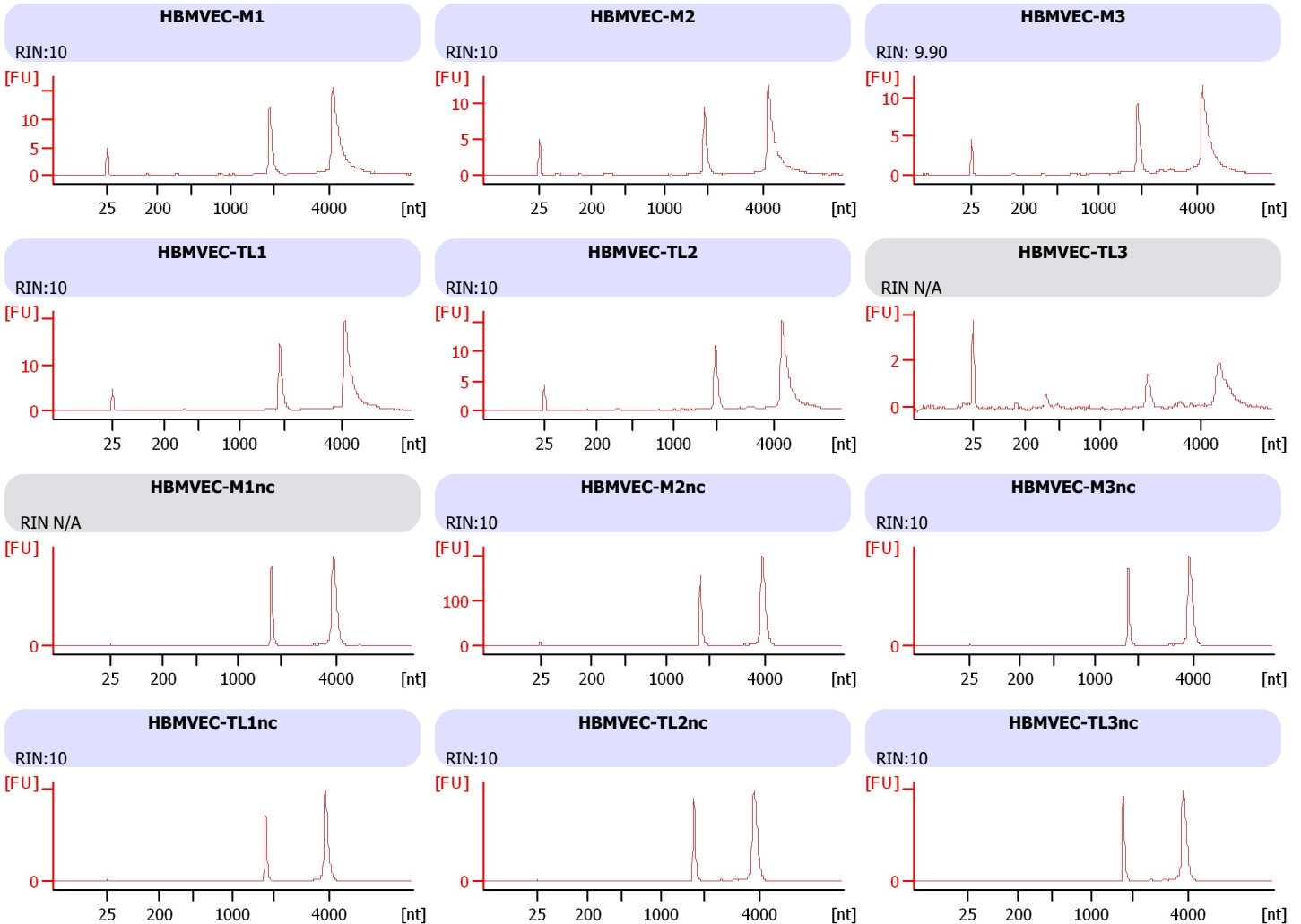
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
 Modified: 6/20/2014 5:28:40 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HBMVEC-M1		✓	RIN:10	
HBMVEC-M2		✓	RIN:10	
HBMVEC-M3		✓	RIN: 9.90	
HBMVEC-TL1		✓	RIN:10	
HBMVEC-TL2		✓	RIN:10	
HBMVEC-TL3		✓	RIN N/A	
HBMVEC-M1nc		✓	RIN N/A	
HBMVEC-M2nc		✓	RIN:10	
HBMVEC-M3nc		✓	RIN:10	
HBMVEC-TL1nc		✓	RIN:10	
HBMVEC-TL2nc		✓	RIN:10	
HBMVEC-TL3nc		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

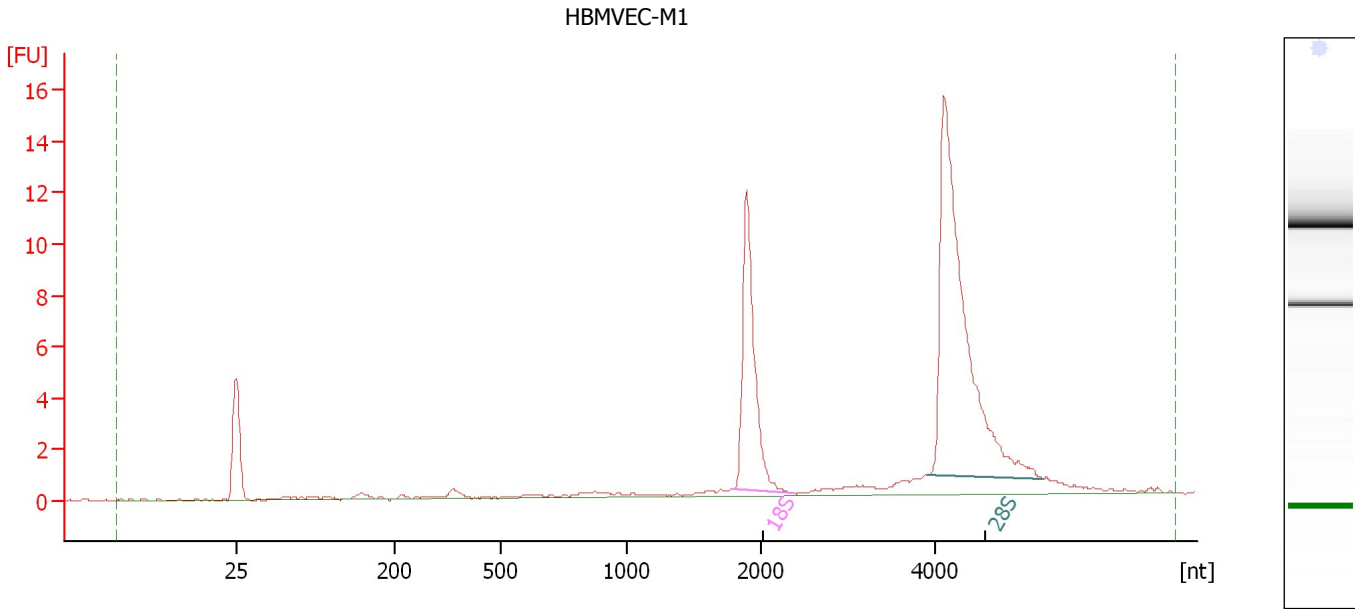
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary



Overall Results for sample 1 : HBMVEC-M1

RNA Area: 65.7 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 48 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

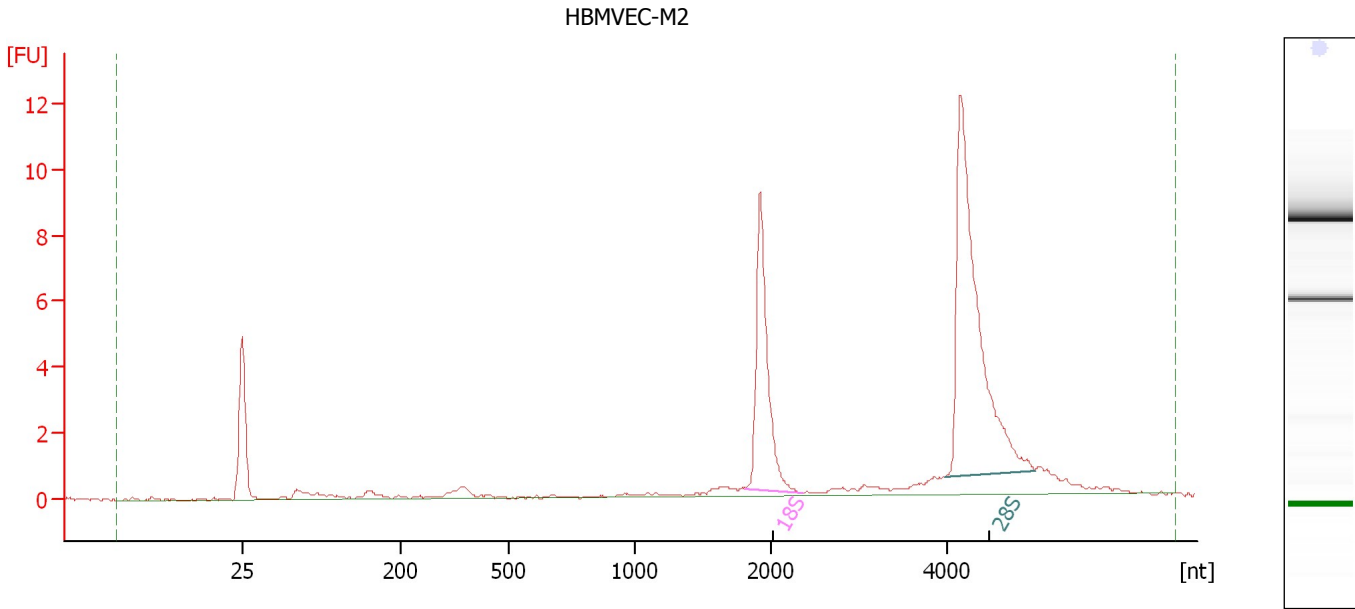
Fragment table for sample 1 : HBMVEC-M1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,802	2,370	15.0	22.8
28S	3,926	5,237	32.5	49.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HBMVEC-M2

RNA Area: 47.5 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 35 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN:10

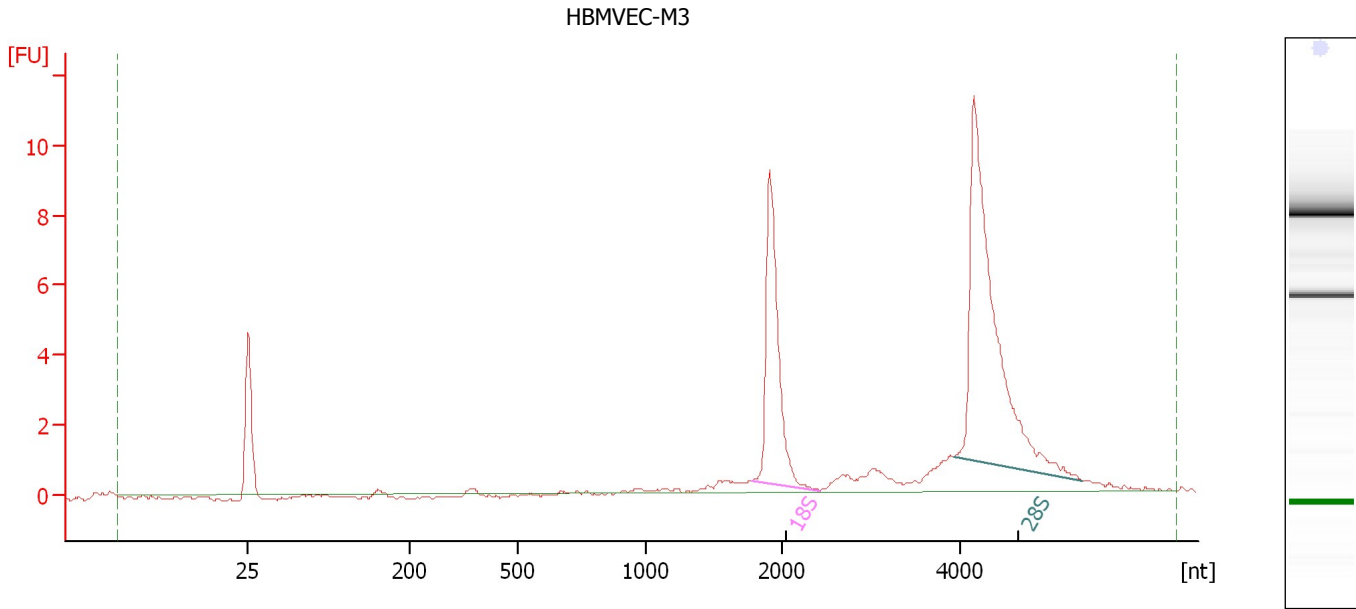
Fragment table for sample 2 : HBMVEC-M2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,813	2,368	10.7	22.6
28S	3,981	5,000	21.3	44.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HBMVEC-M3

RNA Area: 50.0 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 36 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 9.90

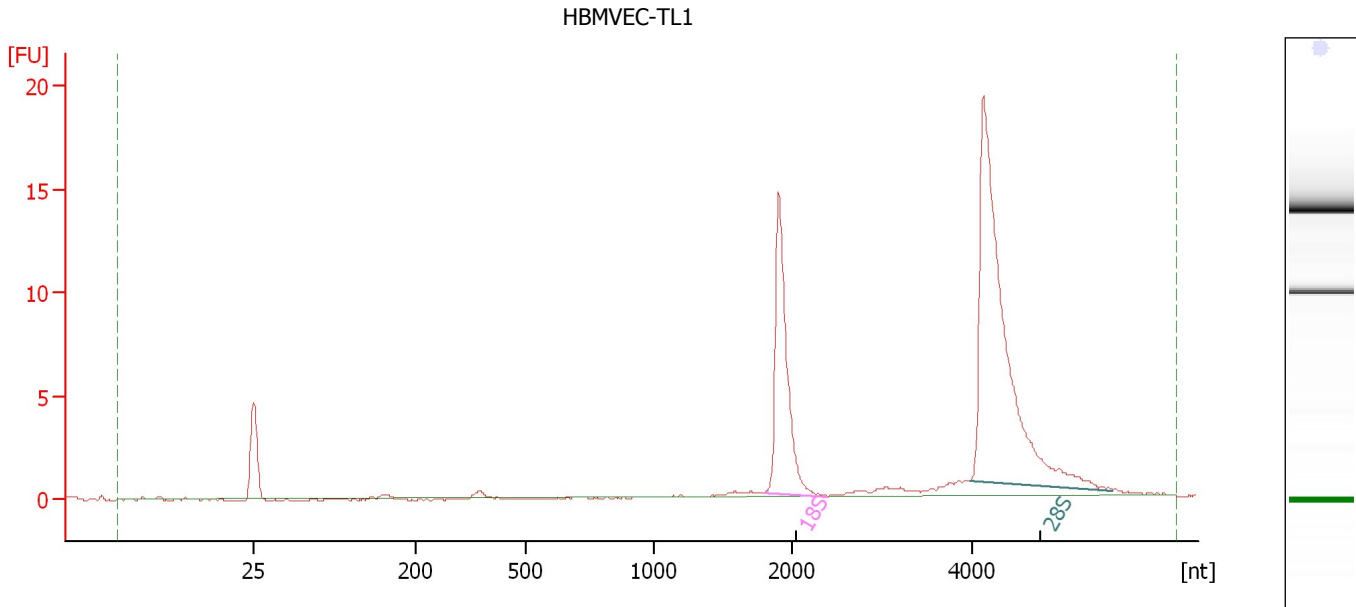
Fragment table for sample 3 : HBMVEC-M3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,777	2,426	11.3	22.6
28S	3,927	5,381	22.0	44.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HBMVEC-TL1

RNA Area: 70.9 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 52 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

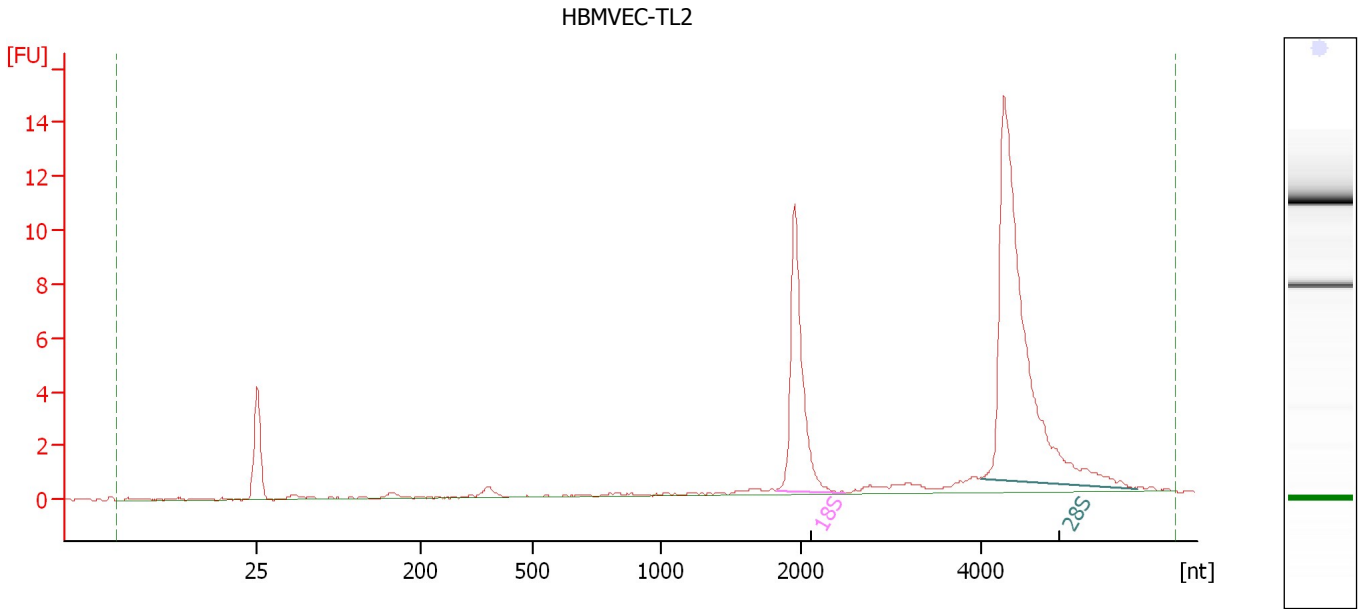
Fragment table for sample 4 : HBMVEC-TL1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,795	2,387	17.9	25.3
28S	3,970	5,564	39.6	55.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HBMVEC-TL2

RNA Area: 56.2 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 41 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.3 Result Flagging Label: RIN:10

Fragment table for sample 5 : HBMVEC-TL2

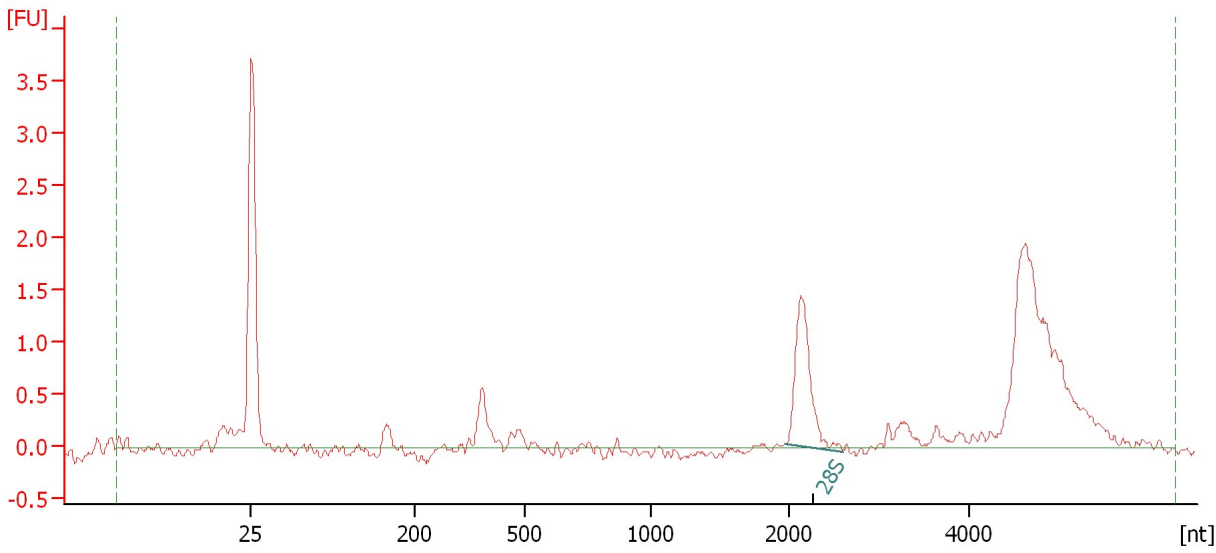
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,828	2,504	13.0	23.2
28S	4,003	5,714	30.0	53.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...

HBMVEC-TL3



Overall Results for sample 6 : HBMVEC-TL3

RNA Area:	13.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	10 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

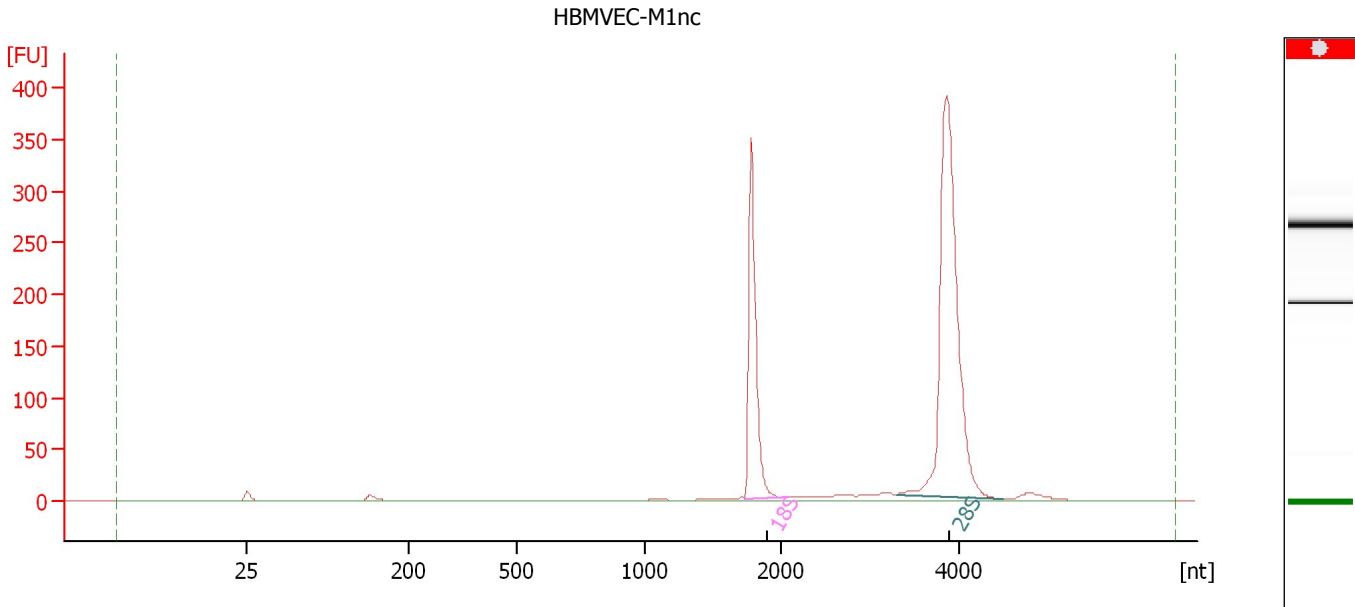
Fragment table for sample 6 : HBMVEC-TL3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,973	2,590	2.3	17.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
 Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HBMVEC-M1nc

RNA Area:	1,022.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	744 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN N/A

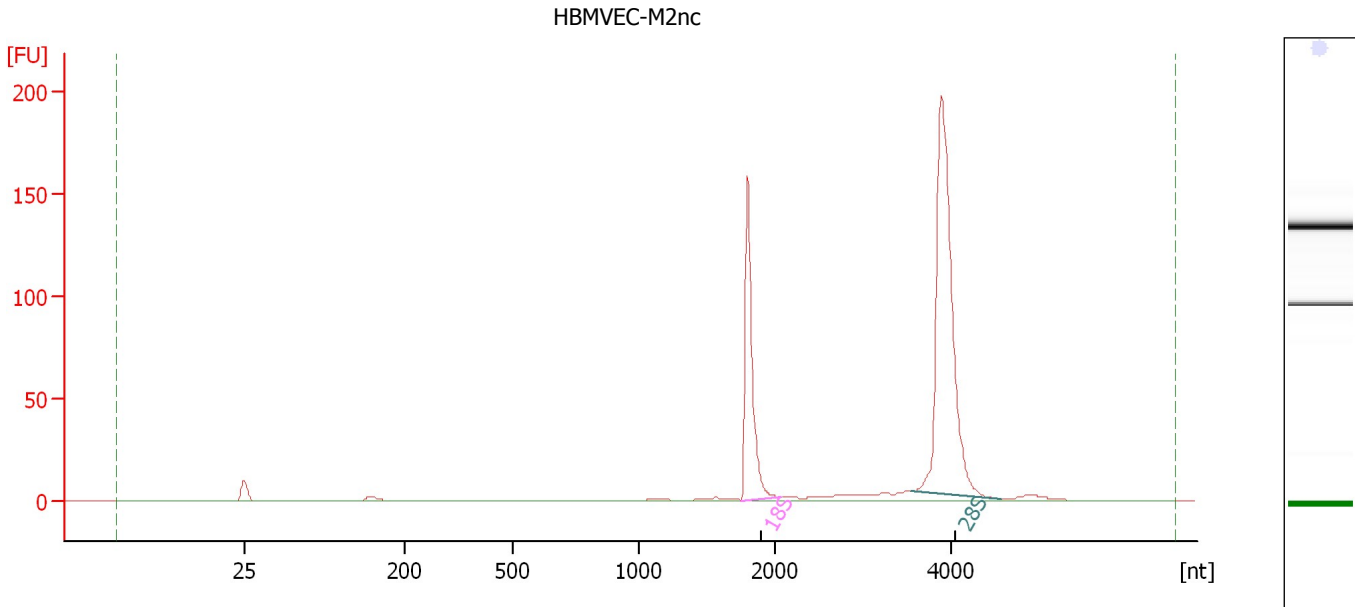
Fragment table for sample 7 : HBMVEC-M1nc

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,730	2,077	263.1	25.7
28S	3,303	4,504	601.7	58.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HBMVEC-M2nc

RNA Area: 489.7 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 356 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

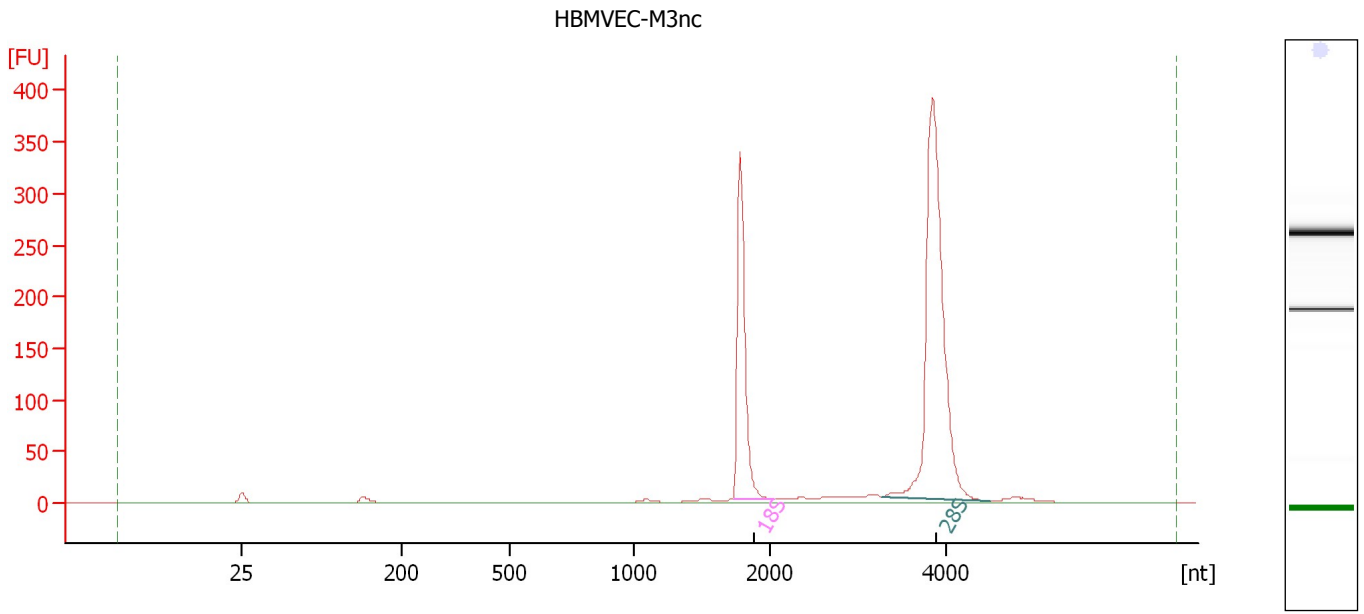
Fragment table for sample 8 : HBMVEC-M2nc

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,751	2,065	125.3	25.6
28S	3,539	4,566	277.8	56.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : HBMVEC-M3nc

RNA Area: 1,027.5 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 748 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

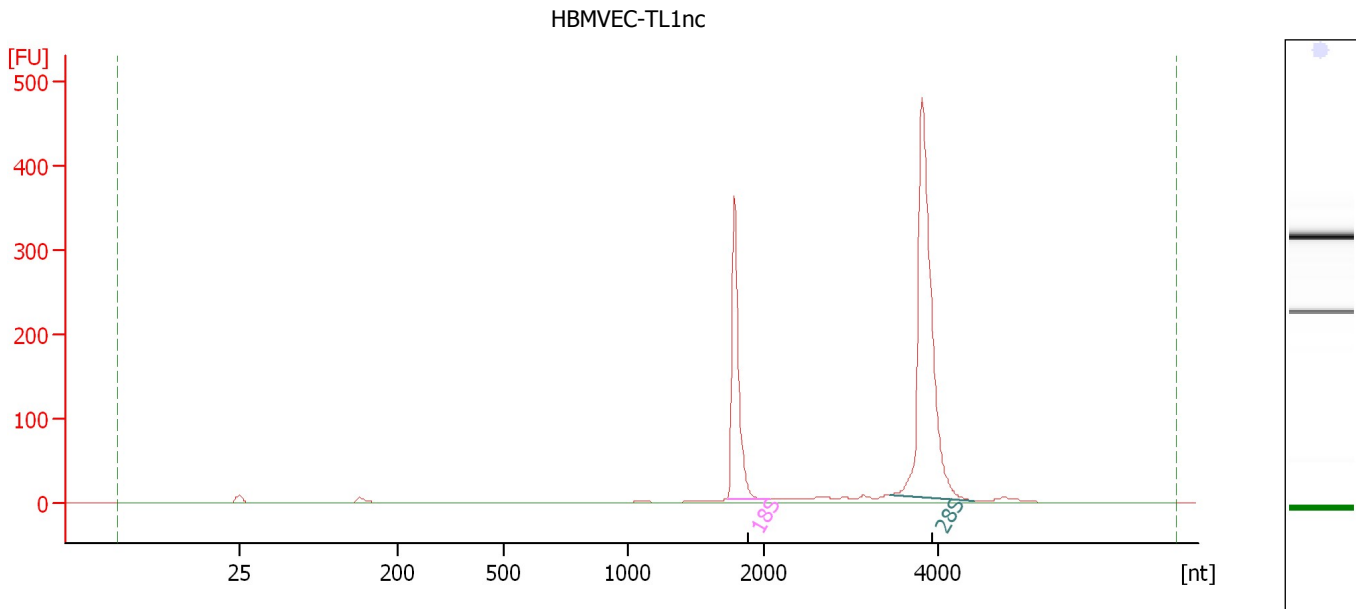
Fragment table for sample 9 : HBMVEC-M3nc

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,040	269.2	26.2
28S	3,280	4,507	592.6	57.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
 Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : HBMVEC-TL1nc

RNA Area: 1,077.2 RNA Integrity Number (RIN): 10 (B.02.08)
 RNA Concentration: 784 ng/μl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

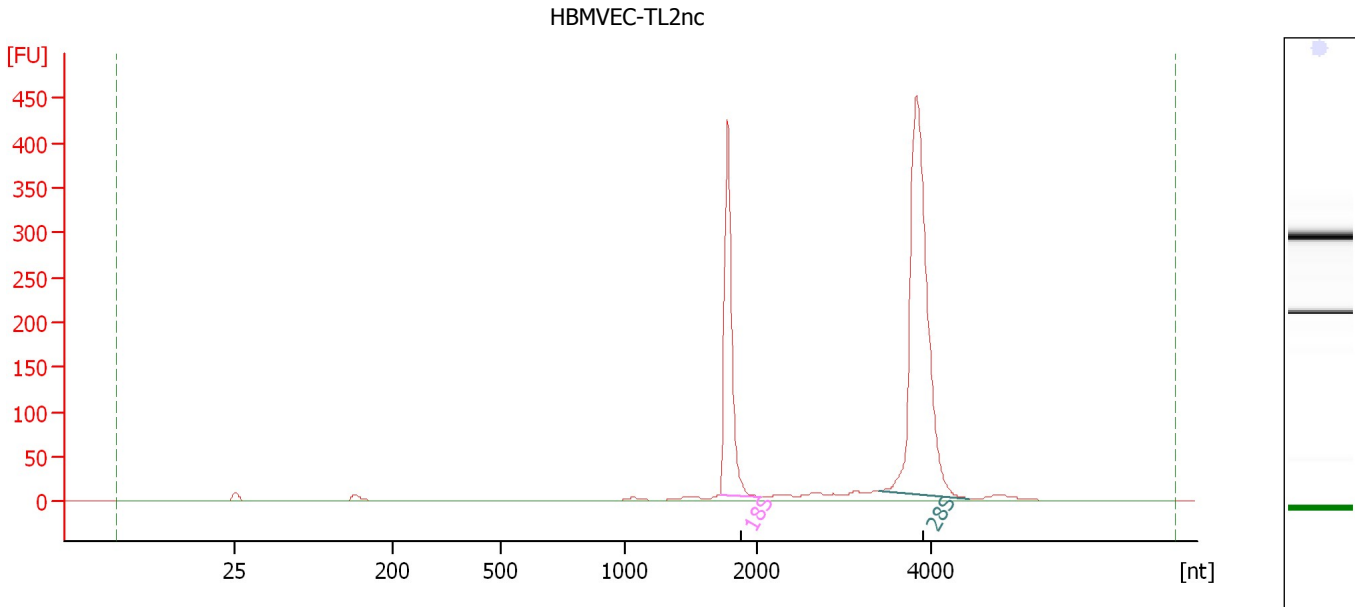
Fragment table for sample 10 : HBMVEC-TL1nc

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	2,088	279.0	25.9
28S	3,458	4,411	599.6	55.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : HBMVEC-TL2nc

RNA Area: 1,275.2 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 928 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

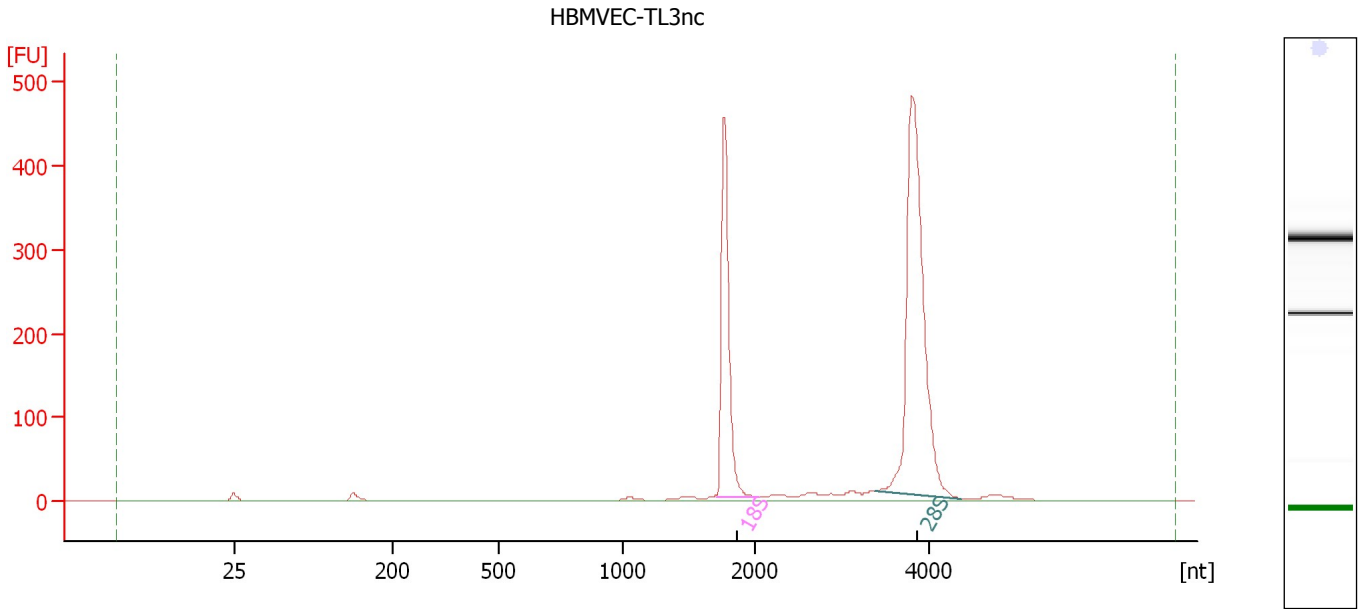
Fragment table for sample 11 : HBMVEC-TL2nc

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	2,027	331.5	26.0
28S	3,389	4,433	707.0	55.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : HBMVEC-TL3nc

RNA Area: 1,354.0 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 986 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:10

Fragment table for sample 12 : HBMVEC-TL3nc

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,039	360.5	26.6
28S	3,380	4,364	742.5	54.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...oanalyzer\2100 expert\data\2014-06-20\2014-06-20_005_HA.xad

Created: 6/20/2014 5:04:28 PM
Modified: 6/20/2014 5:28:40 PM

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