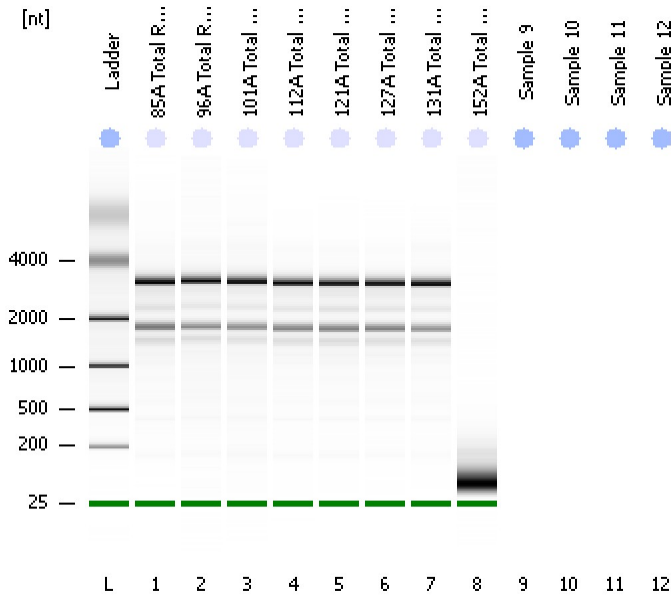


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electrophoresis File Run Summary



Instrument Information:

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

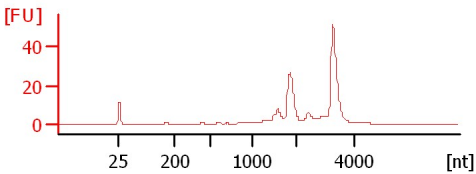
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

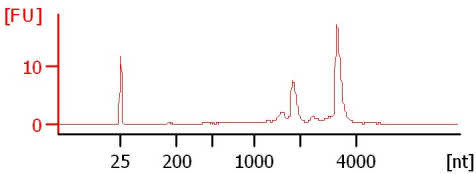
Chip Information:

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

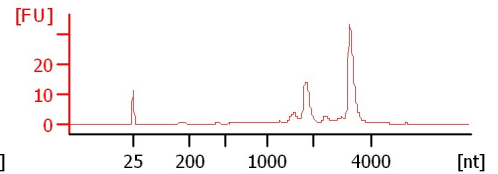
85A Total RNA 1:2
RIN: 8.60



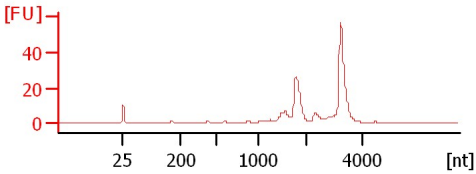
96A Total RNA 1:2
RIN: 8.50



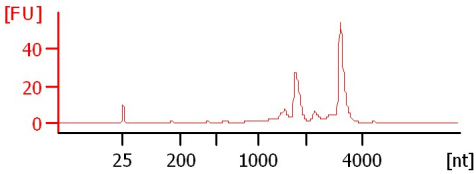
101A Total RNA 1:2
RIN: 8.50



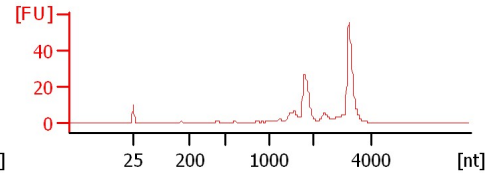
112A Total RNA 1:2
RIN: 8.60



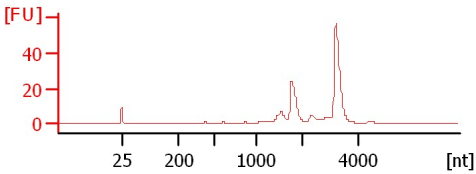
121A Total RNA 1:2
RIN: 8.50



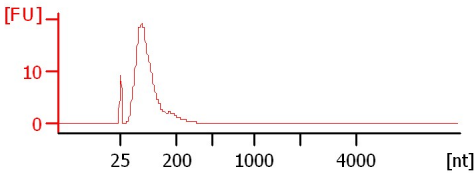
127A Total RNA 1:2
RIN: 8.60



131A Total RNA 1:2
RIN: 8.50



152A Total RNA 1:2
RIN: 2.60



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
85A Total RNA 1:2		✓	RIN: 8.60	
96A Total RNA 1:2		✓	RIN: 8.50	
101A Total RNA 1:2		✓	RIN: 8.50	
112A Total RNA 1:2		✓	RIN: 8.60	
121A Total RNA 1:2		✓	RIN: 8.50	
127A Total RNA 1:2		✓	RIN: 8.60	
131A Total RNA 1:2		✓	RIN: 8.50	
152A Total RNA 1:2		✓	RIN: 2.60	
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 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

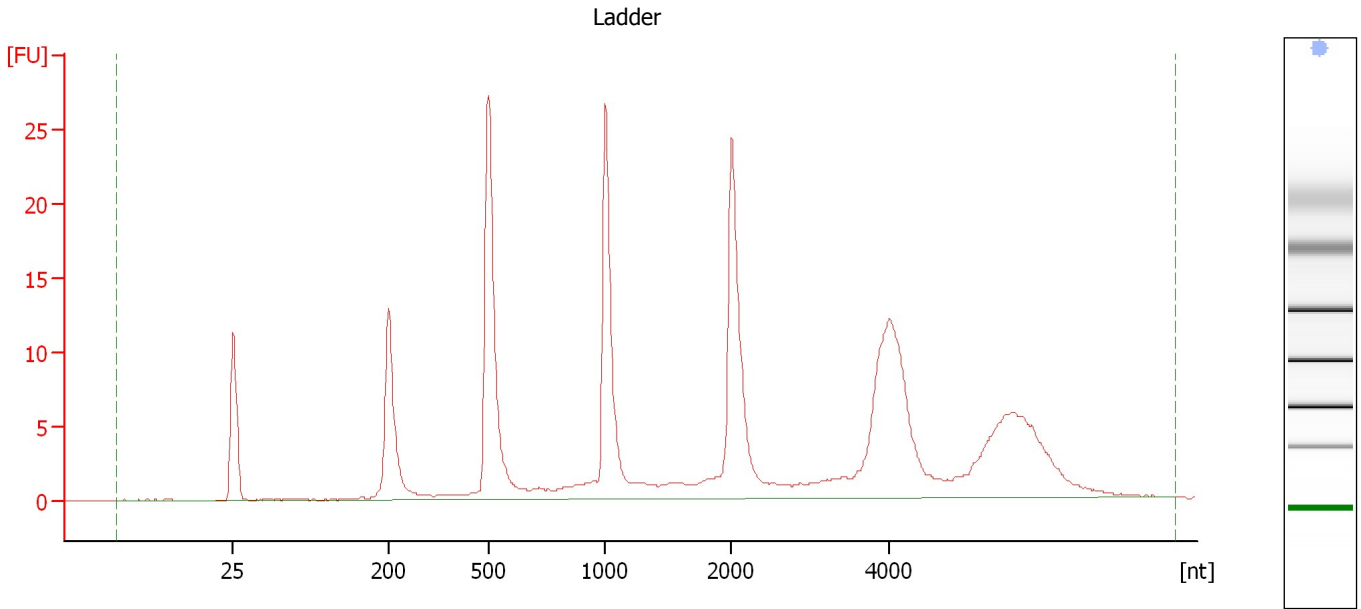
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electropherogram Summary



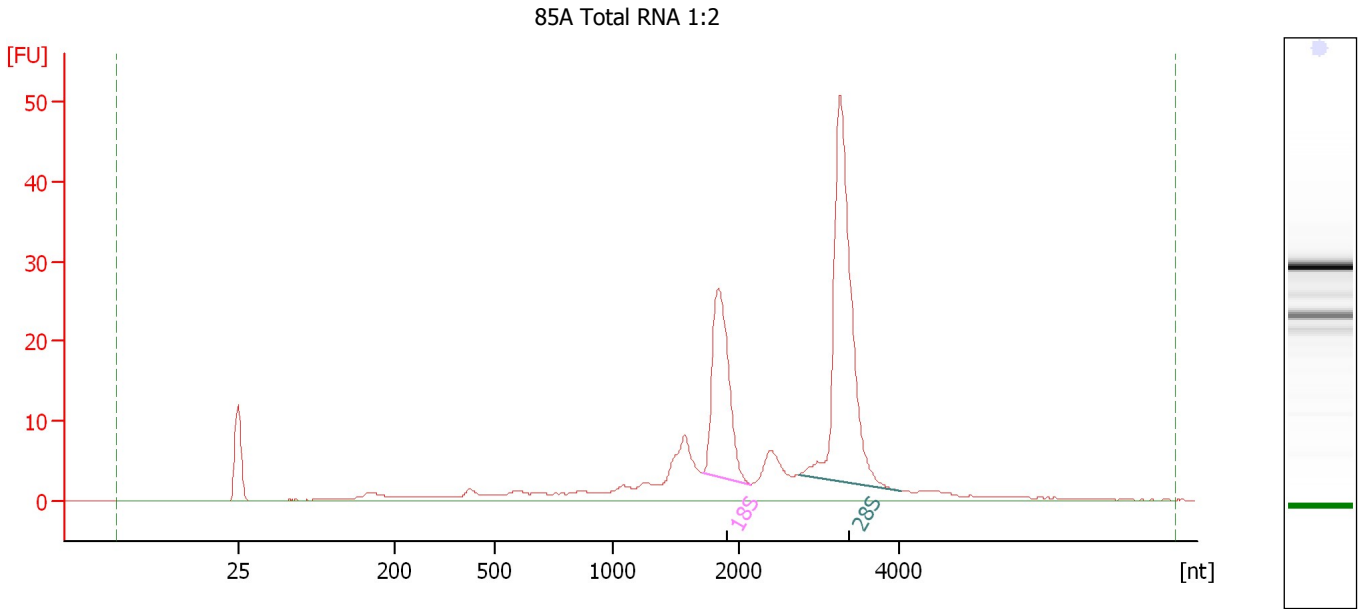
Overall Results for Ladder

RNA Area:	225.2	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 85A Total RNA 1:2

RNA Area: 244.0 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 163 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 8.60

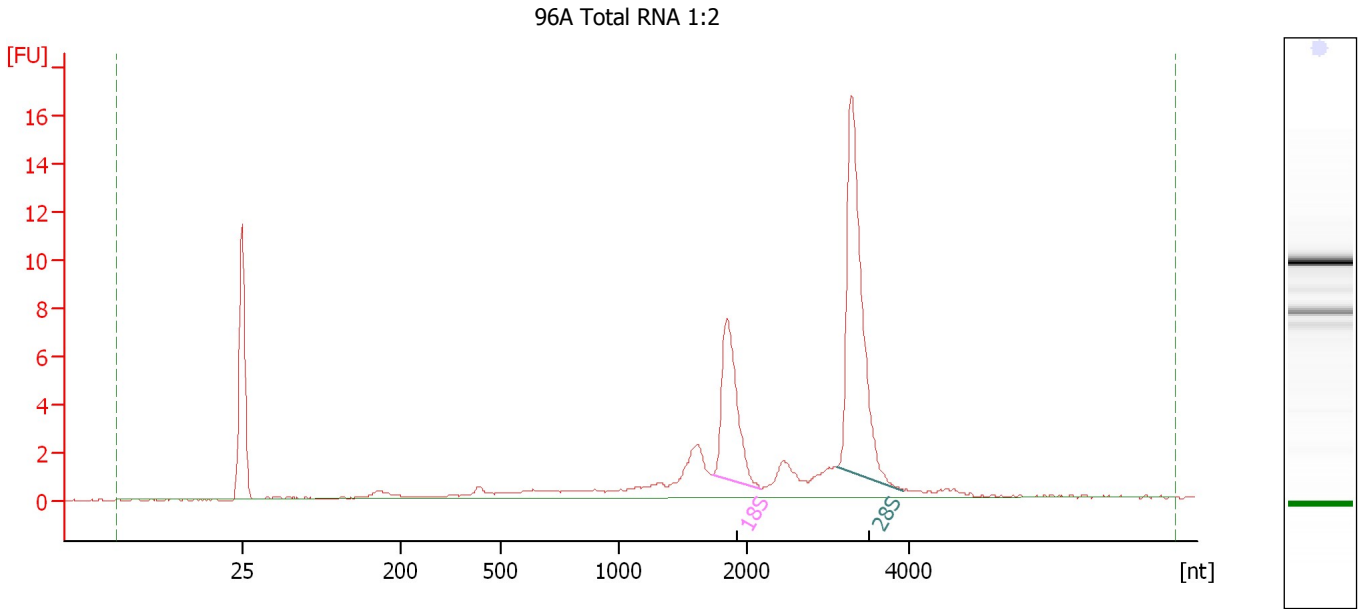
Fragment table for sample 1 : 85A Total RNA 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	2,137	44.4	18.2
28S	2,740	4,014	83.5	34.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 96A Total RNA 1:2

RNA Area: 68.1 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 45 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 8.50

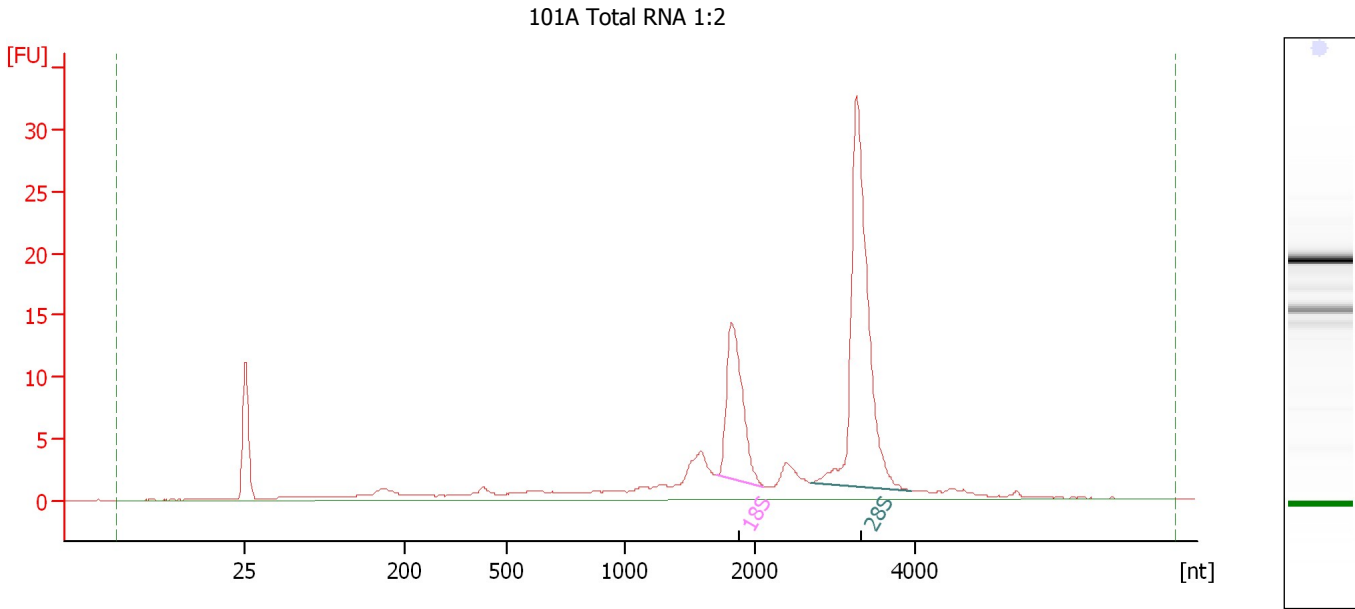
Fragment table for sample 2 : 96A Total RNA 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	2,153	11.2	16.5
28S	3,097	3,935	22.6	33.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 101A Total RNA 1:2

RNA Area: 136.8 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 91 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.3 Result Flagging Label: RIN: 8.50

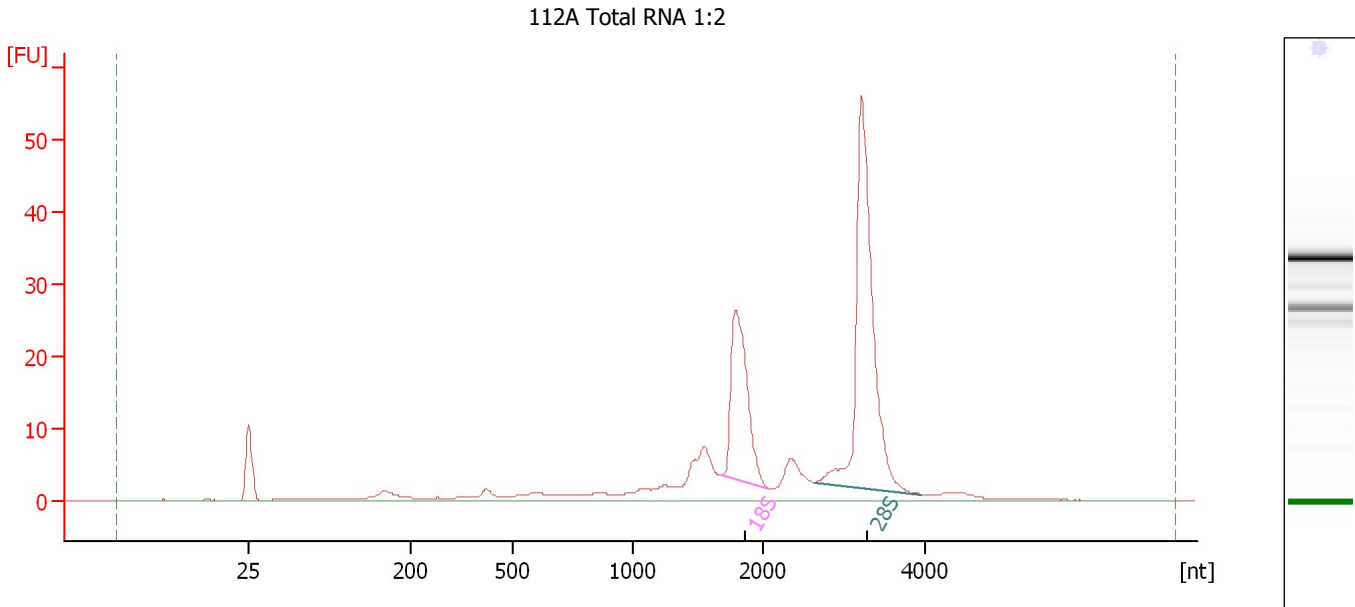
Fragment table for sample 3 : 101A Total RNA 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,715	2,115	22.5	16.5
28S	2,710	3,953	51.8	37.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 112A Total RNA 1:2

RNA Area: 229.0 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 153 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 8.60

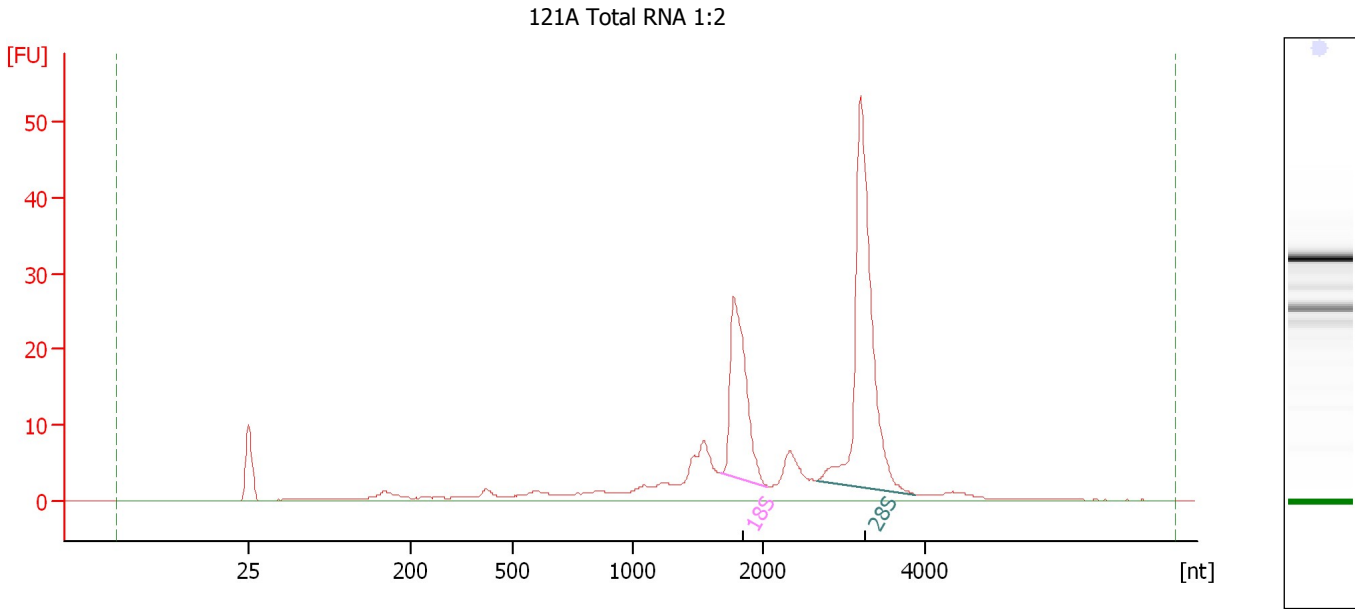
Fragment table for sample 4 : 112A Total RNA 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,091	43.2	18.8
28S	2,642	3,954	86.6	37.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 121A Total RNA 1:2

RNA Area: 233.8 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 156 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 8.50

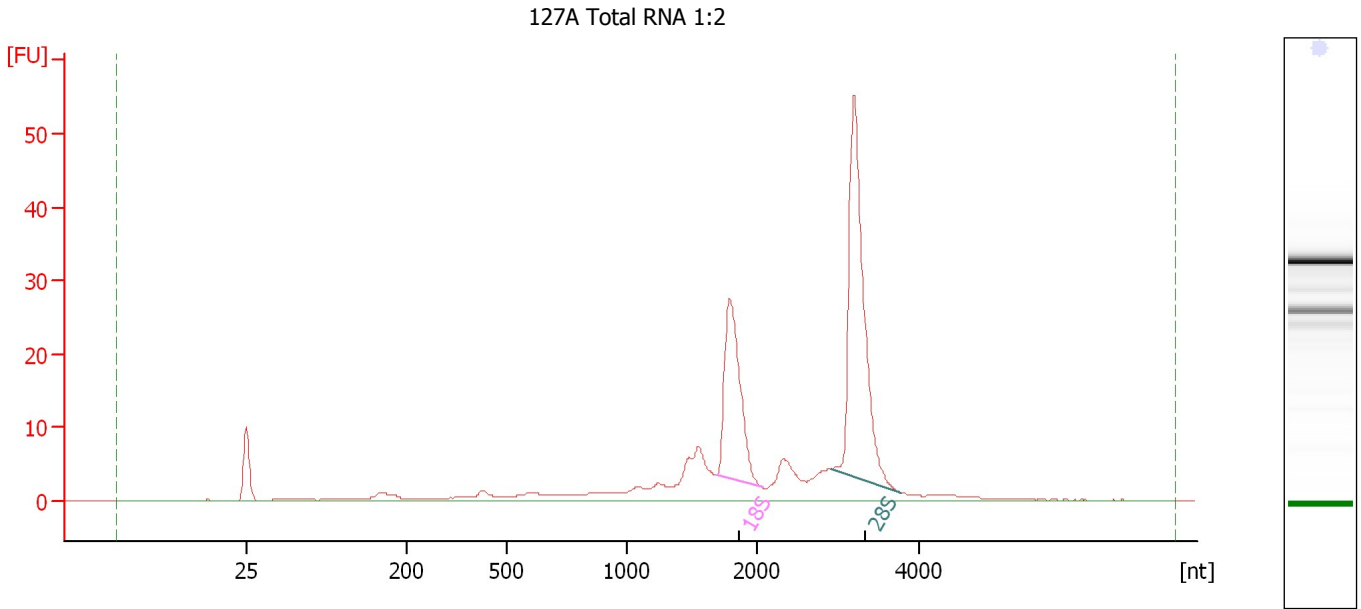
Fragment table for sample 5 : 121A Total RNA 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,065	41.9	17.9
28S	2,668	3,862	81.0	34.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 127A Total RNA 1:2

RNA Area: 223.5 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 149 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.60

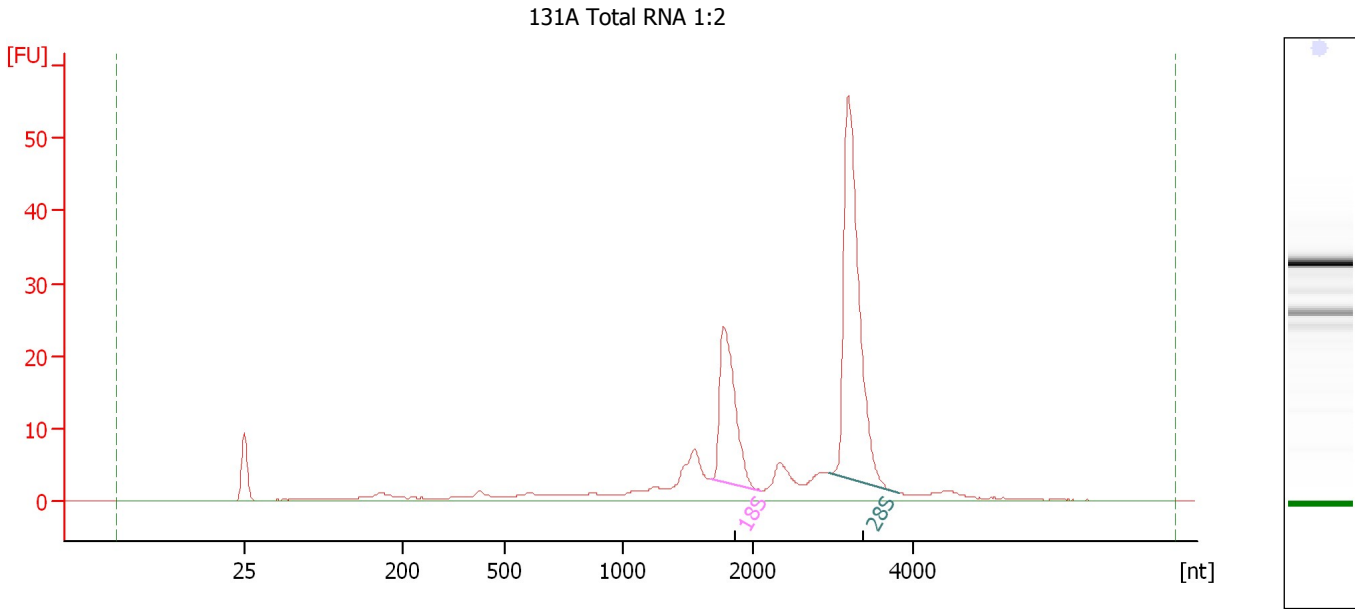
Fragment table for sample 6 : 127A Total RNA 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	2,076	42.7	19.1
28S	2,921	3,778	74.4	33.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 131A Total RNA 1:2

RNA Area: 221.2 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 147 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 8.50

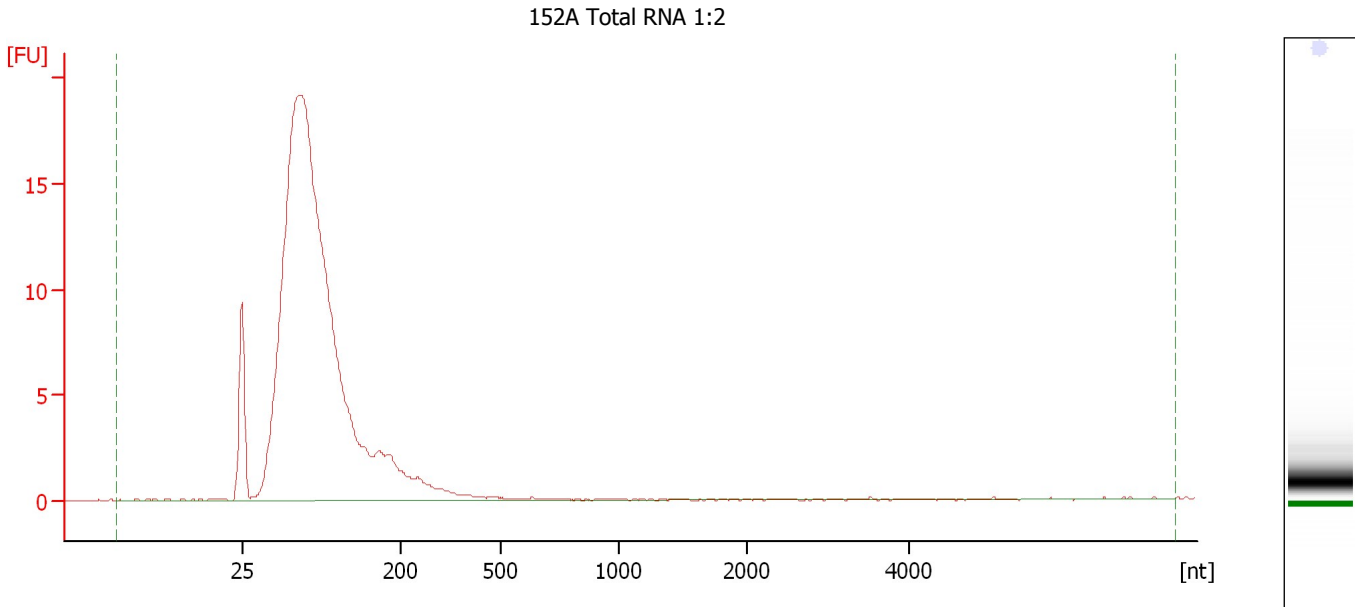
Fragment table for sample 7 : 131A Total RNA 1:2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,673	2,114	37.0	16.7
28S	2,962	3,823	80.0	36.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Electropherogram Summary Continued ...



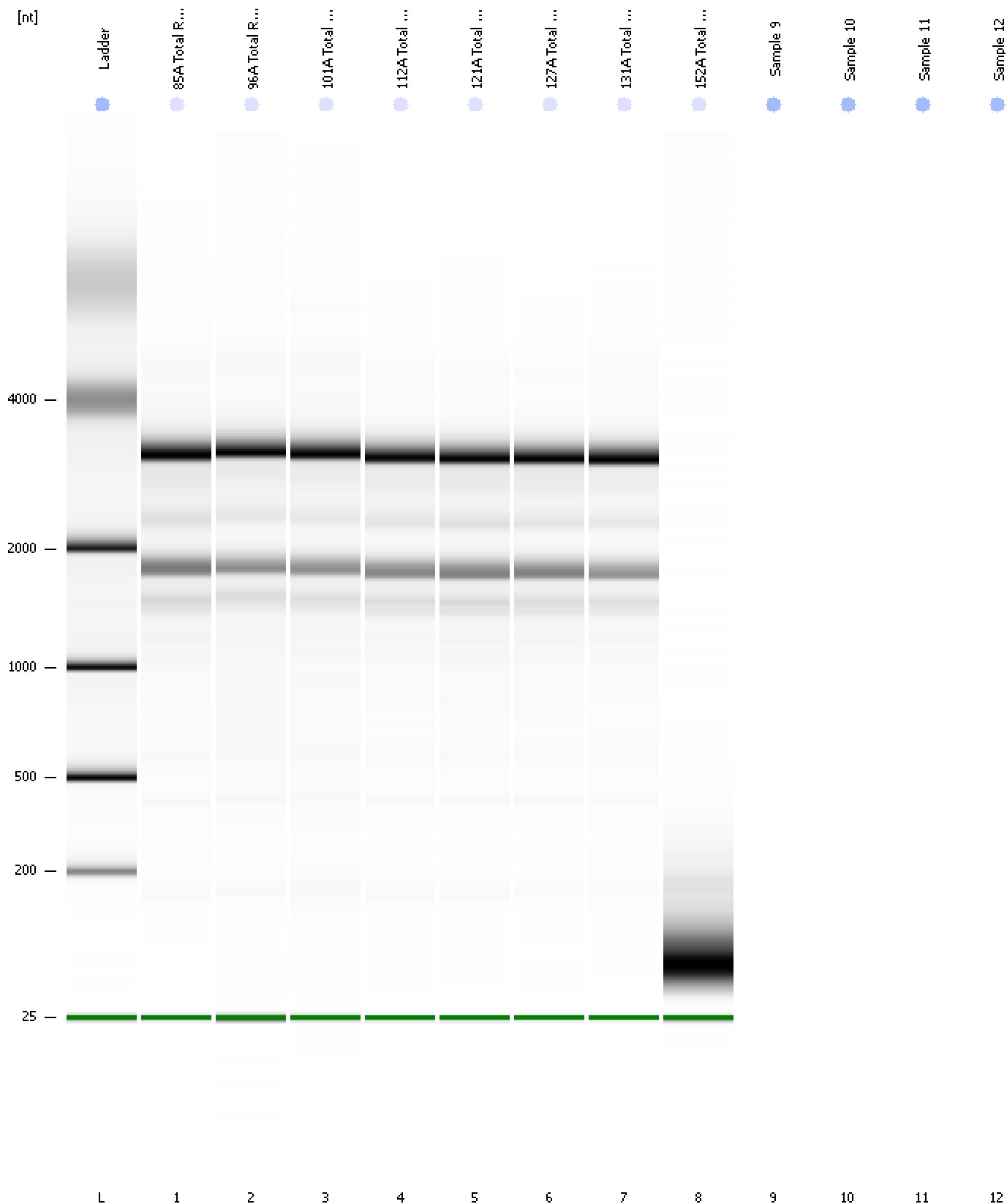
Overall Results for sample 8 : 152A Total RNA 1:2

RNA Area:	185.0	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	123 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10_002.xad

Created: 1/10/2014 3:16:36 PM
Modified: 1/10/2014 3:34:59 PM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.