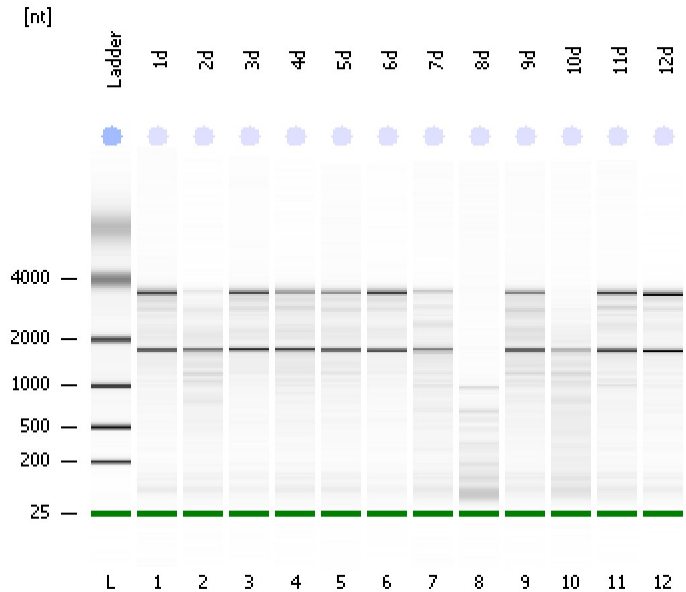


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electrophoresis File Run Summary



Instrument Information:

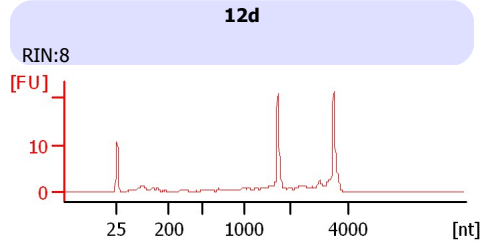
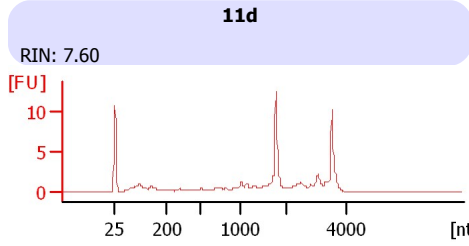
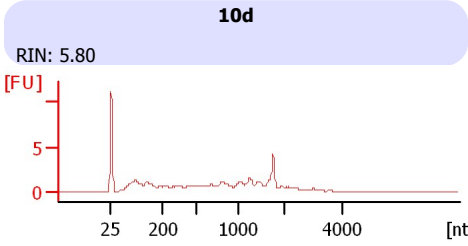
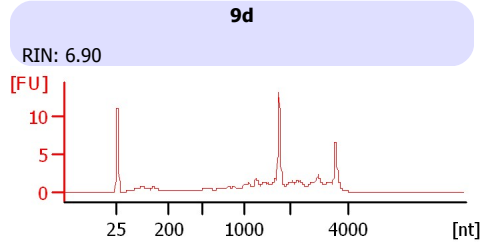
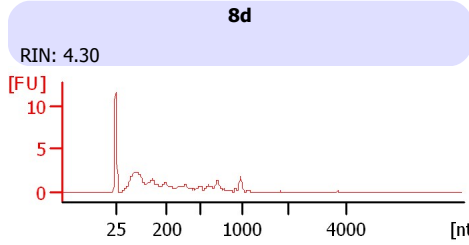
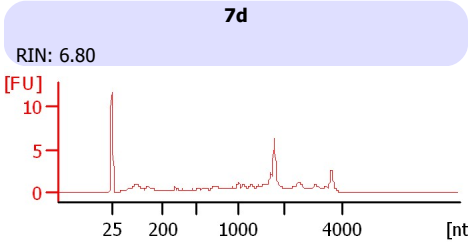
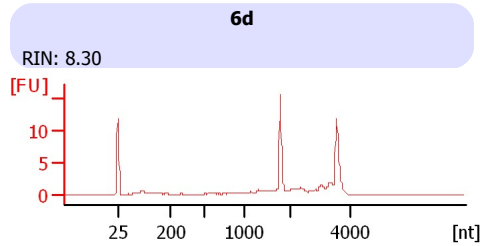
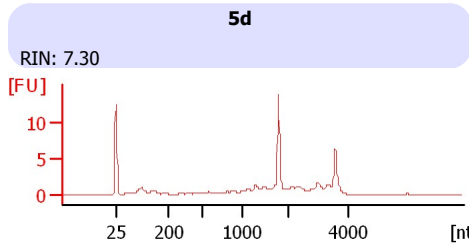
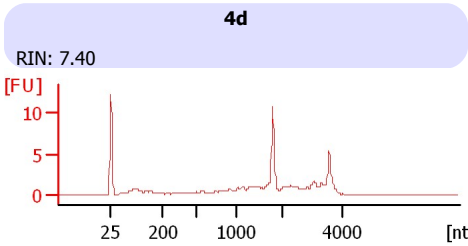
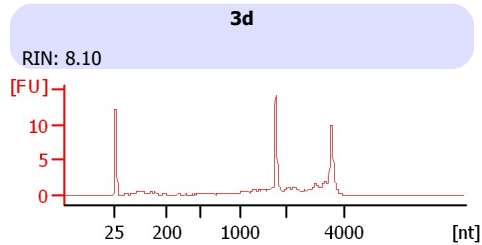
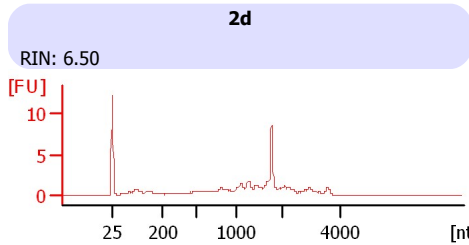
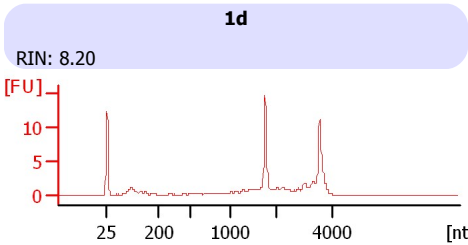
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
 Modified: 5/21/2015 2:03:24 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1d		✓	RIN: 8.20	
2d		✓	RIN: 6.50	
3d		✓	RIN: 8.10	
4d		✓	RIN: 7.40	
5d		✓	RIN: 7.30	
6d		✓	RIN: 8.30	
7d		✓	RIN: 6.80	
8d		✓	RIN: 4.30	
9d		✓	RIN: 6.90	
10d		✓	RIN: 5.80	
11d		✓	RIN: 7.60	
12d		✓	RIN:8	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 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

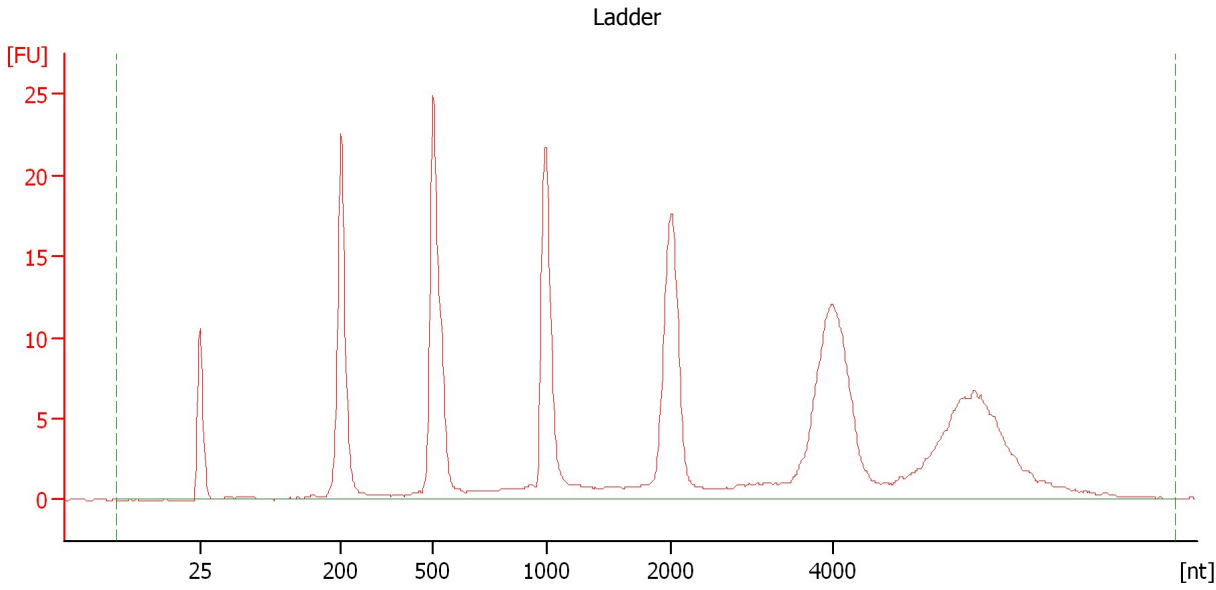
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary



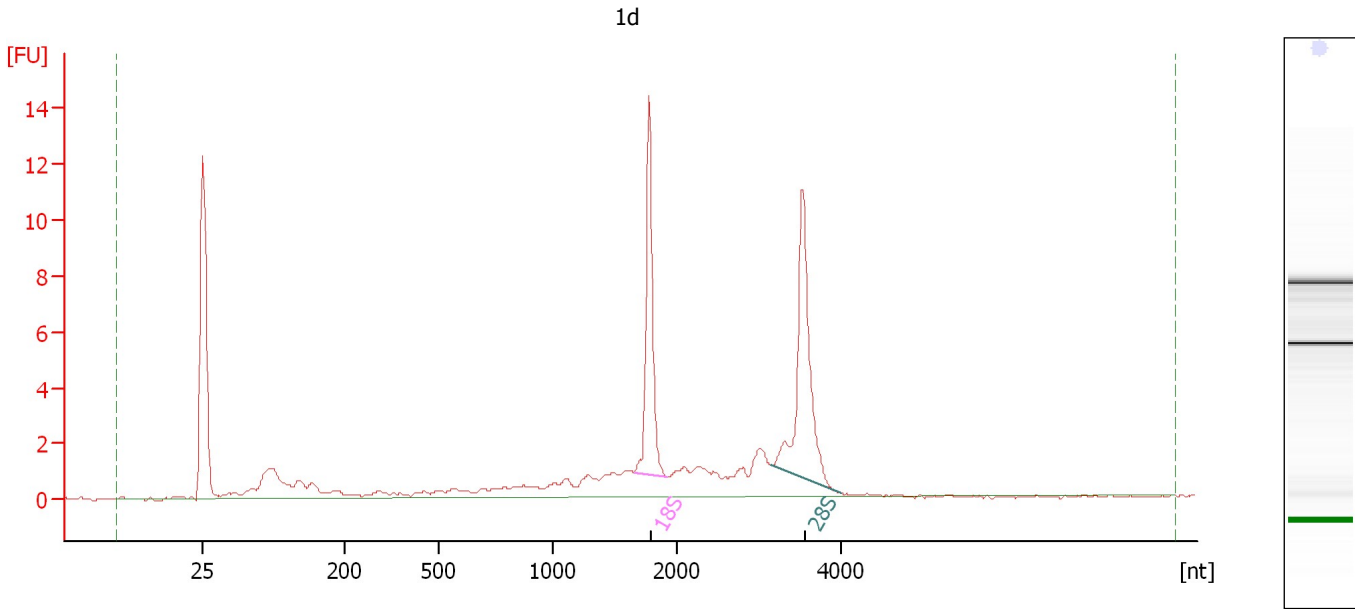
Overall Results for Ladder

RNA Area:	247.7	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1d

RNA Area: 64.0 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 39 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 8.20

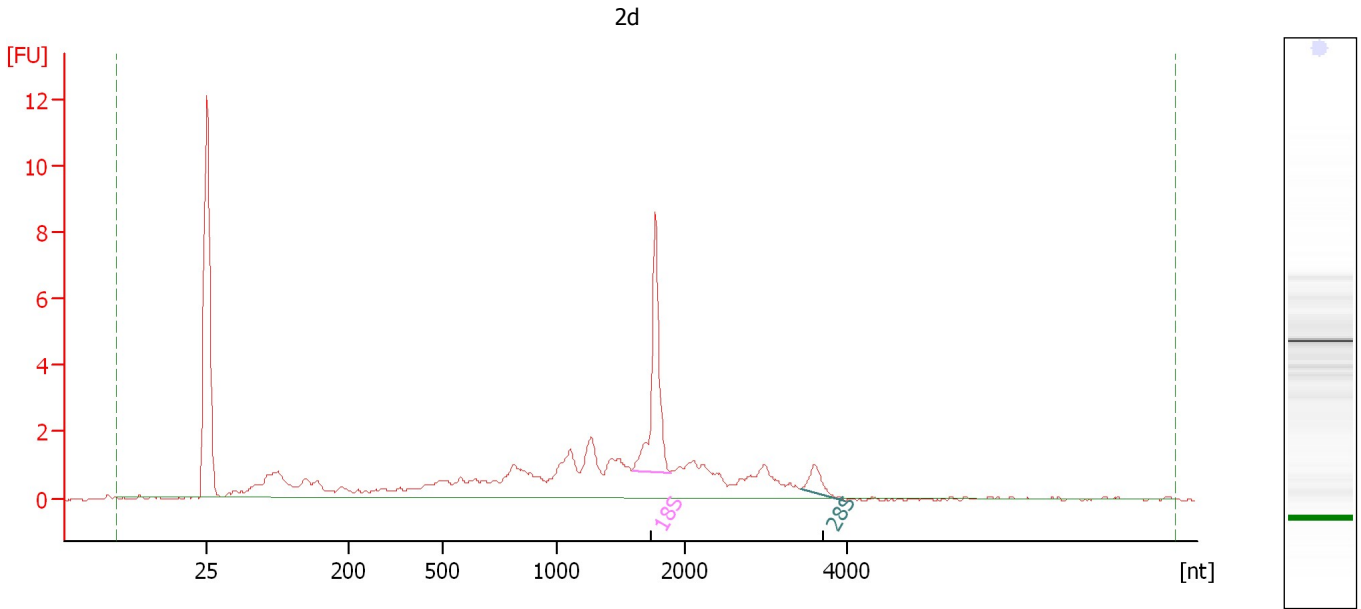
Fragment table for sample 1 : 1d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,653	1,908	10.7	16.7
28S	3,147	4,002	13.0	20.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2d

RNA Area: 49.9 RNA Integrity Number (RIN): 6.5 (B.02.08)
RNA Concentration: 30 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 6.50

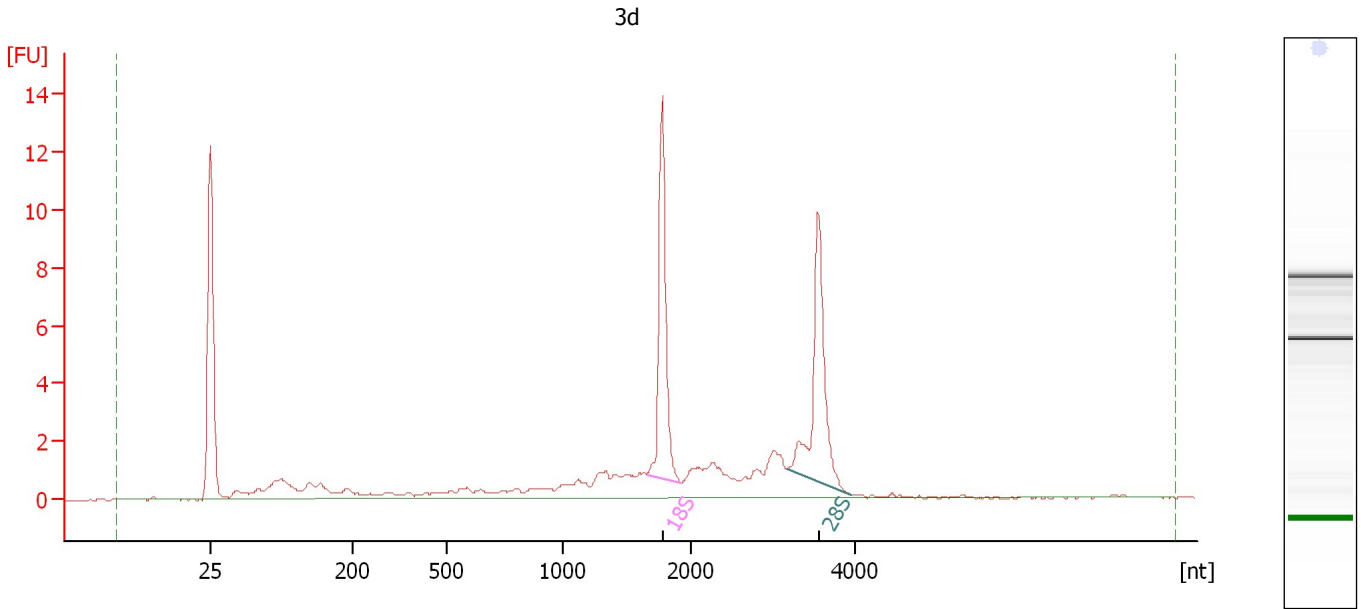
Fragment table for sample 2 : 2d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	1,893	7.1	14.2
28S	3,429	3,966	1.1	2.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3d

RNA Area: 57.9 RNA Integrity Number (RIN): 8.1 (B.02.08)
RNA Concentration: 35 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 8.10

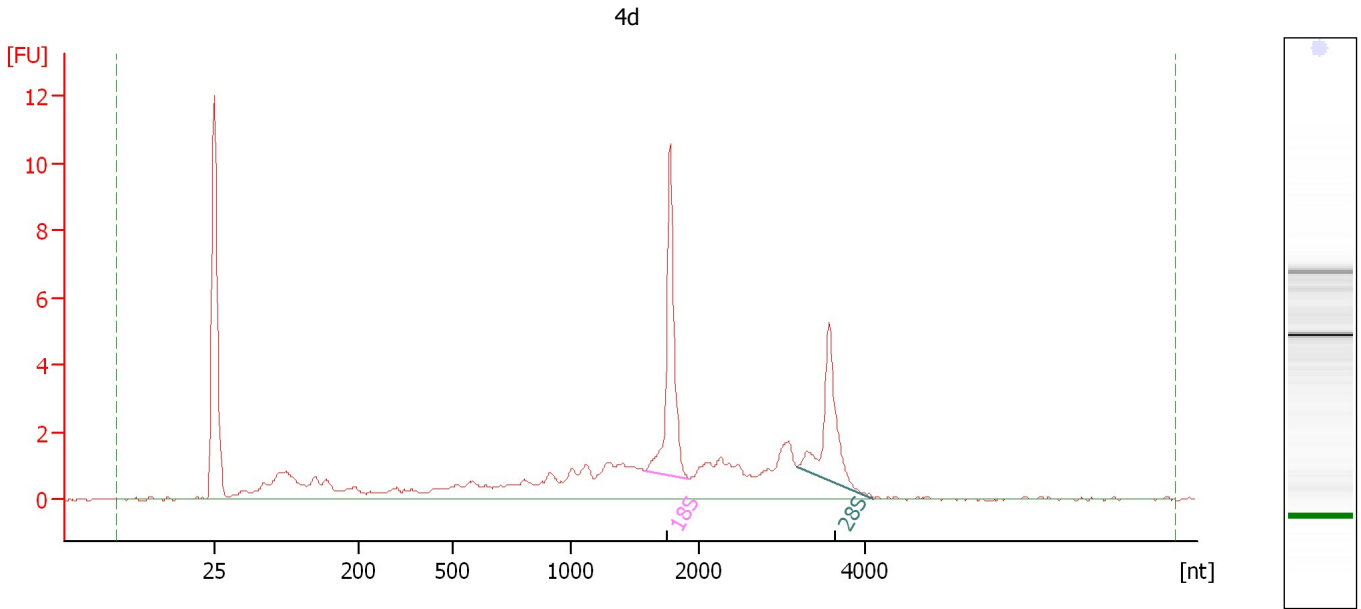
Fragment table for sample 3 : 3d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,652	1,920	10.3	17.7
28S	3,176	3,956	10.5	18.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4d

RNA Area: 60.2 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 36 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 7.40

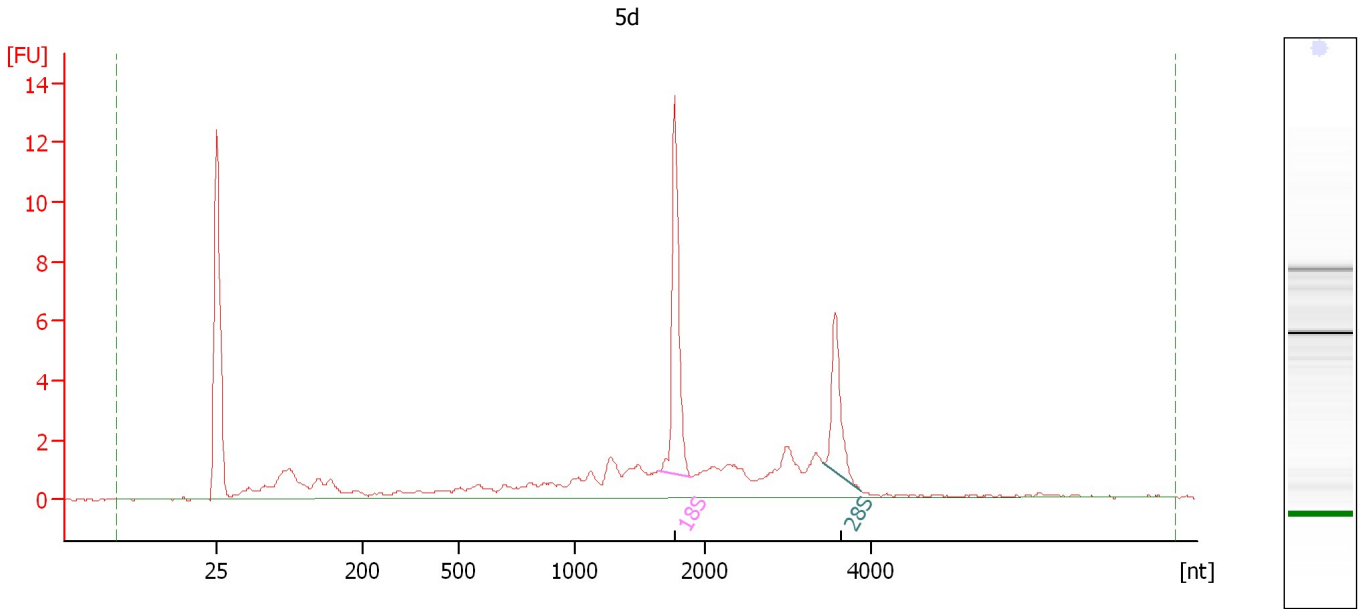
Fragment table for sample 4 : 4d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	1,931	9.1	15.1
28S	3,195	4,110	6.0	10.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5d

RNA Area: 57.6 RNA Integrity Number (RIN): 7.3 (B.02.08)
RNA Concentration: 35 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 7.30

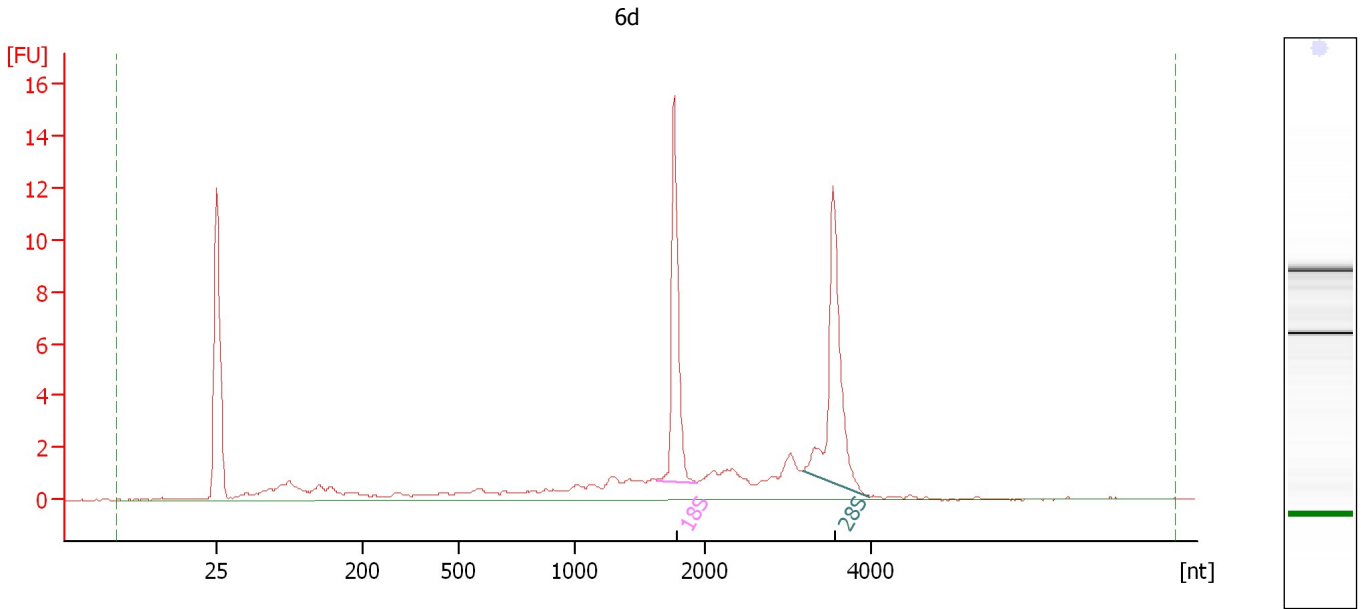
Fragment table for sample 5 : 5d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,643	1,900	9.6	16.7
28S	3,420	3,881	4.7	8.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6d

RNA Area:	59.8	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	36 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.30

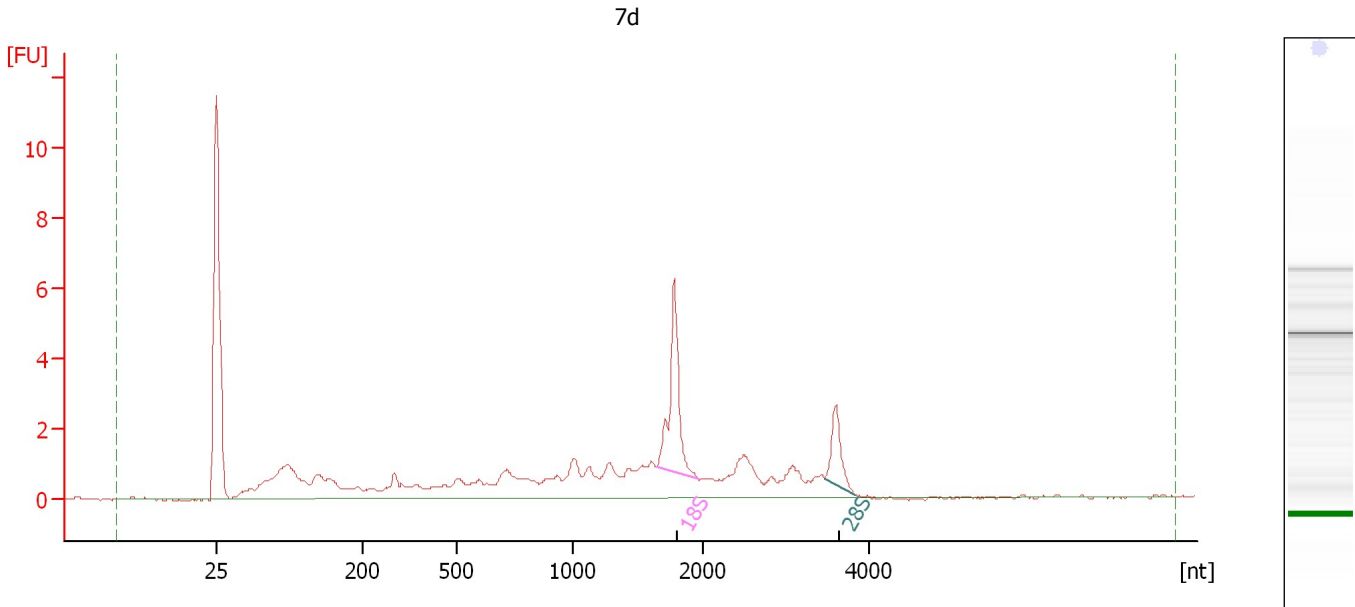
Fragment table for sample 6 : 6d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,627	1,941	10.9	18.1
28S	3,177	3,971	12.9	21.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7d

RNA Area: 49.0 RNA Integrity Number (RIN): 6.8 (B.02.08)
RNA Concentration: 30 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 6.80

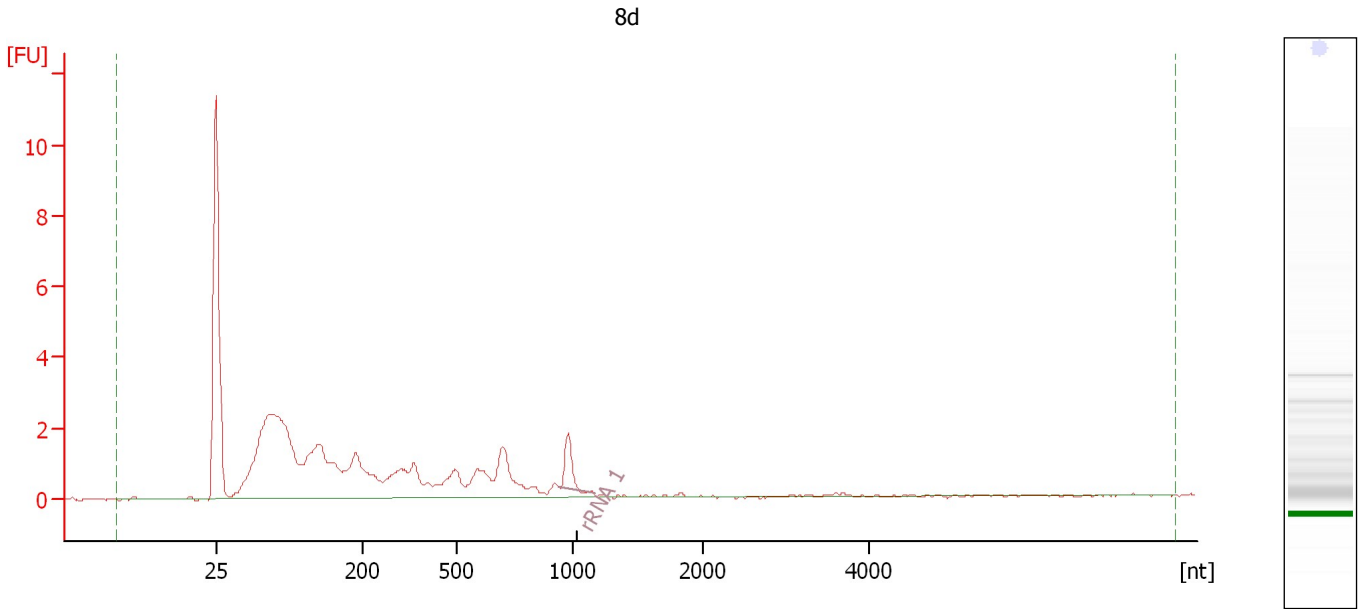
Fragment table for sample 7 : 7d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	1,965	5.7	11.6
28S	3,461	3,833	2.1	4.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8d

RNA Area:	44.5	RNA Integrity Number (RIN):	4.3 (B.02.08)
RNA Concentration:	27 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.30

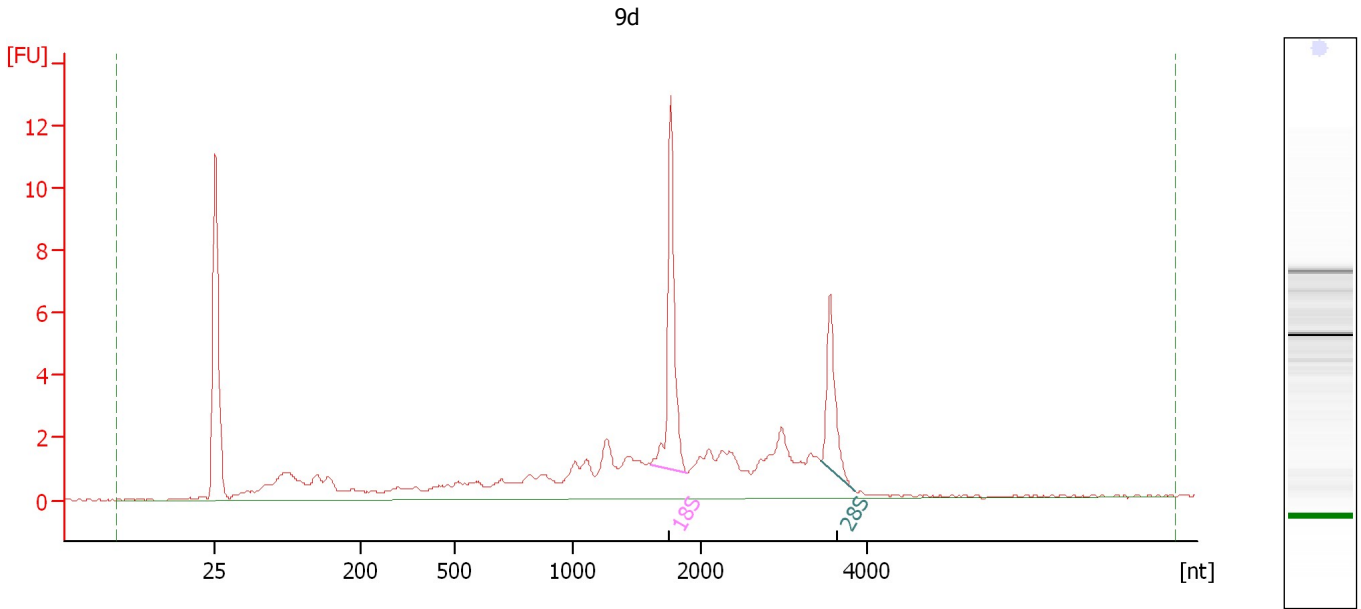
Fragment table for sample 8 : 8d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA 1	938	1,157	1.3	3.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9d

RNA Area: 70.8 RNA Integrity Number (RIN): 6.9 (B.02.08)
RNA Concentration: 43 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 6.90

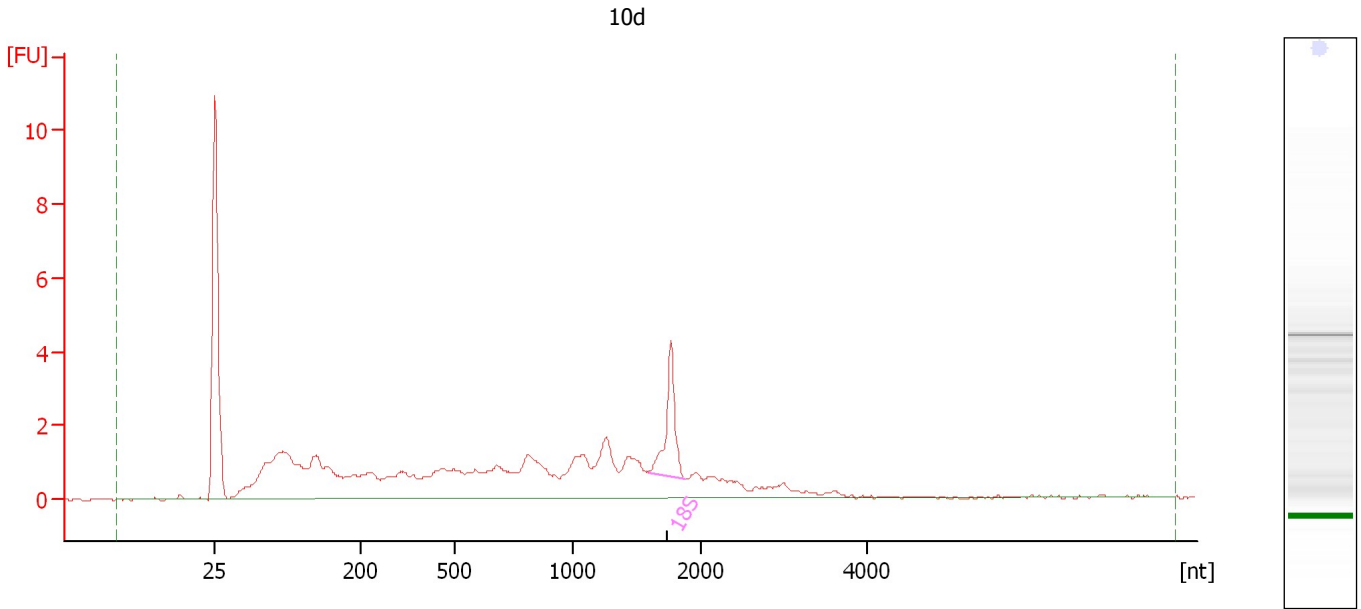
Fragment table for sample 9 : 9d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	1,898	9.5	13.4
28S	3,450	3,849	4.8	6.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10d

RNA Area:	57.5	RNA Integrity Number (RIN):	5.8 (B.02.08)
RNA Concentration:	35 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.80

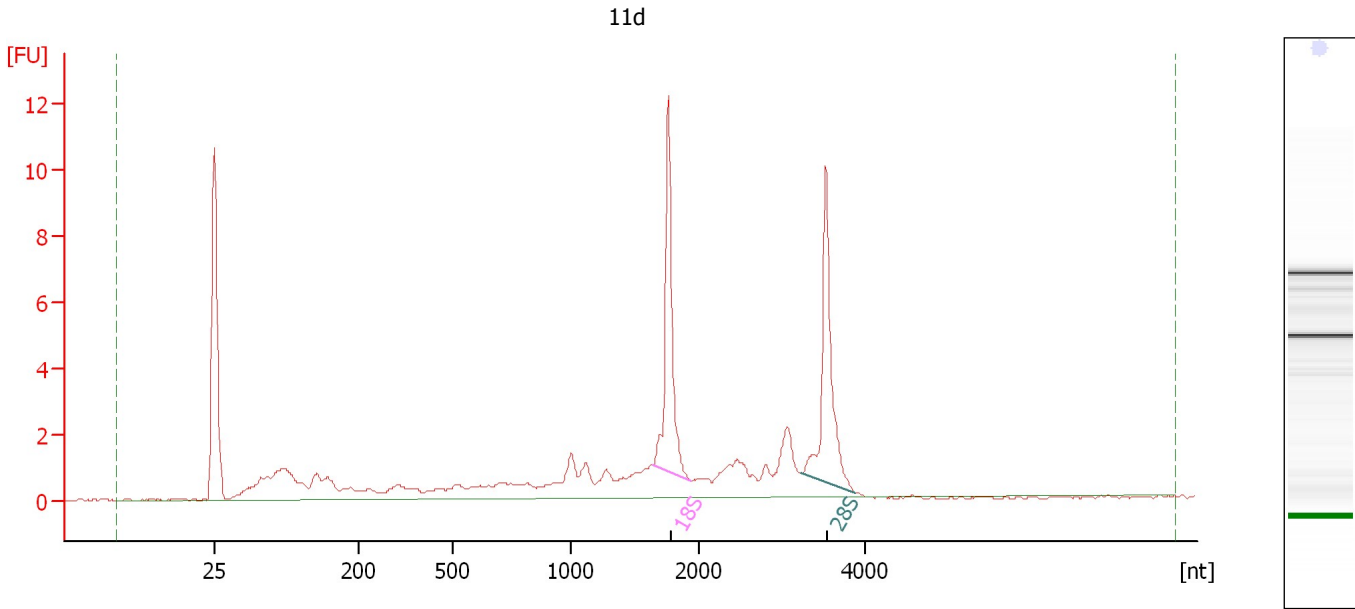
Fragment table for sample 10 : 10d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,591	1,882	3.8	6.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11d

RNA Area: 62.3 RNA Integrity Number (RIN): 7.6 (B.02.08)
RNA Concentration: 38 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 7.60

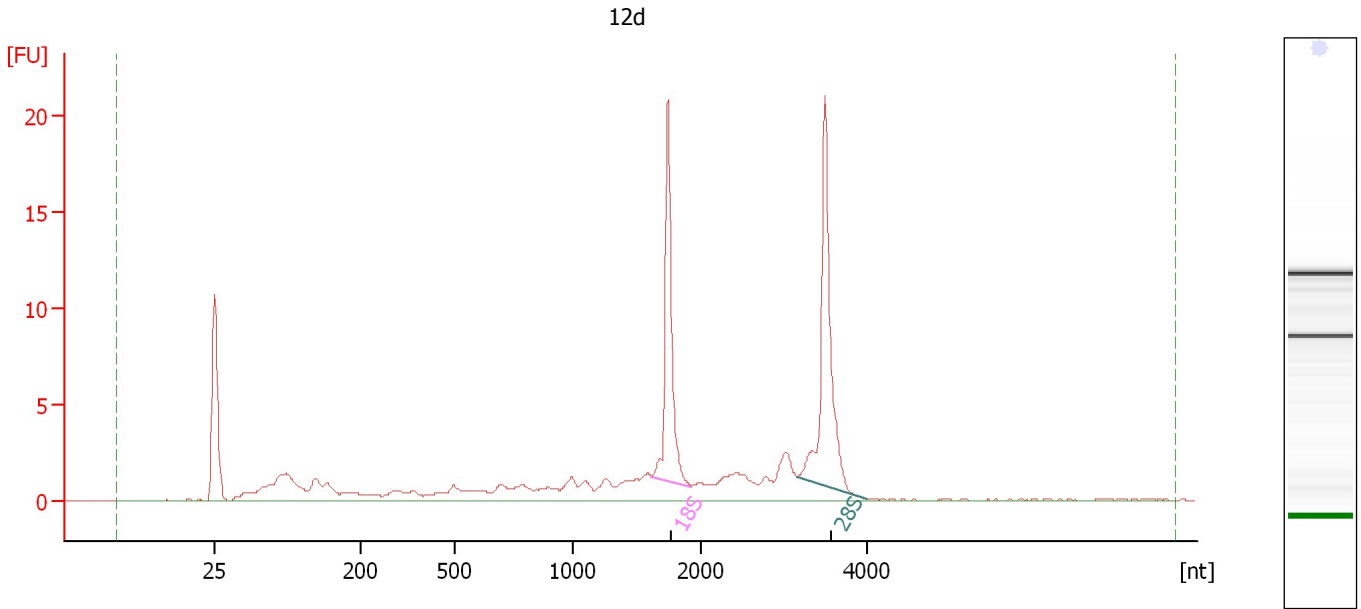
Fragment table for sample 11 : 11d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,640	1,939	9.5	15.3
28S	3,246	3,878	9.1	14.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 12d

RNA Area: 93.4 RNA Integrity Number (RIN): 8 (B.02.08)
RNA Concentration: 57 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN:8

Fragment table for sample 12 : 12d

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,616	1,932	15.9	17.0
28S	3,167	3,990	19.7	21.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\Documents and Settings\Bioanalyzer\2015-05-21_002.xad

Created: 5/21/2015 1:34:06 PM
Modified: 5/21/2015 2:03:24 PM

Gel Image

