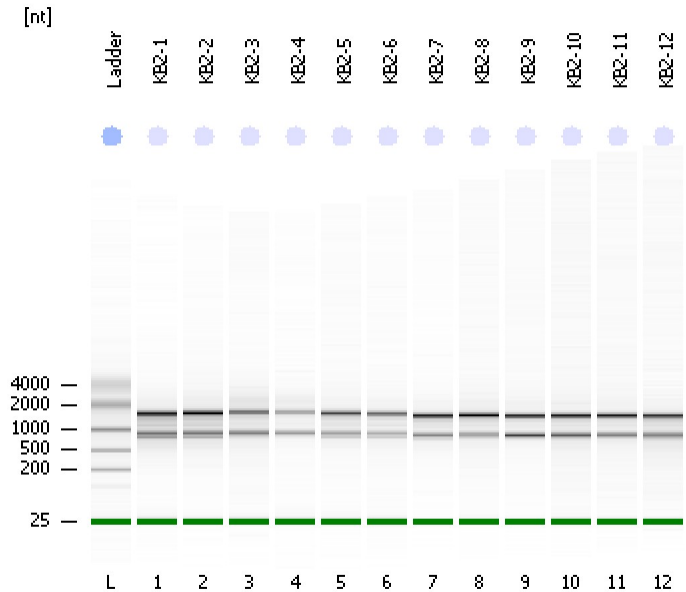


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Electrophoresis File Run Summary



Instrument Information:

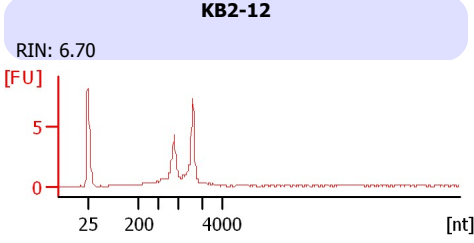
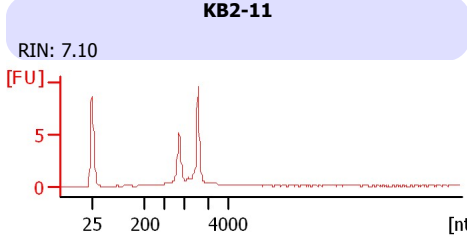
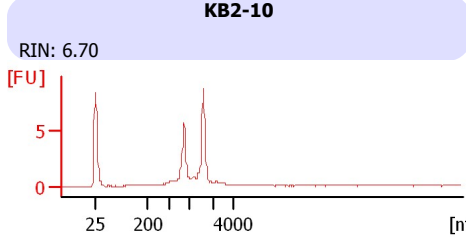
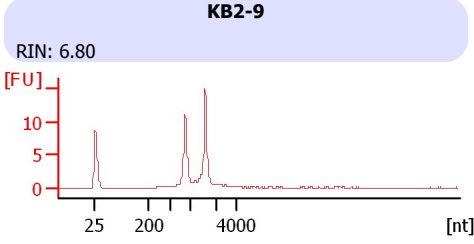
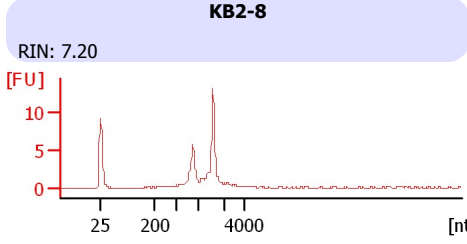
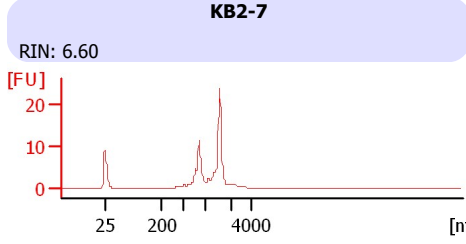
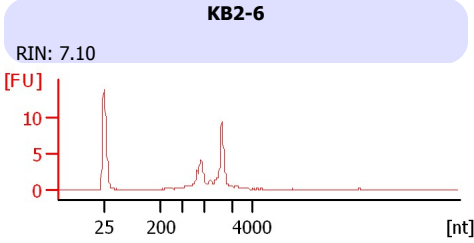
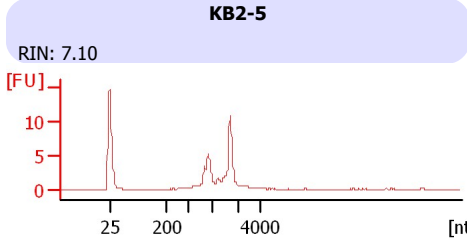
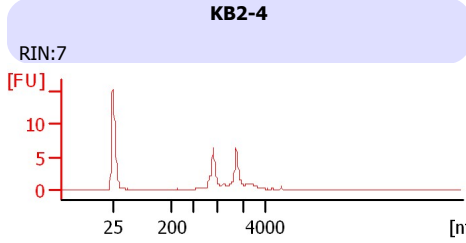
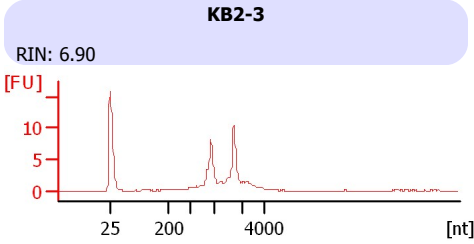
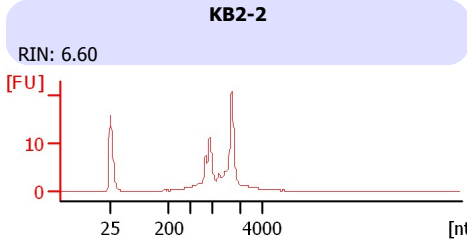
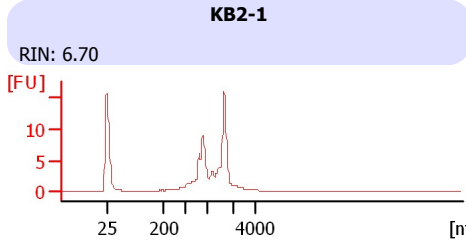
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
 Modified: 3/20/2014 11:32:48 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
KB2-1		✓	RIN: 6.70	
KB2-2		✓	RIN: 6.60	
KB2-3		✓	RIN: 6.90	
KB2-4		✓	RIN:7	
KB2-5		✓	RIN: 7.10	
KB2-6		✓	RIN: 7.10	
KB2-7		✓	RIN: 6.60	
KB2-8		✓	RIN: 7.20	
KB2-9		✓	RIN: 6.80	
KB2-10		✓	RIN: 6.70	
KB2-11		✓	RIN: 7.10	
KB2-12		✓	RIN: 6.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

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

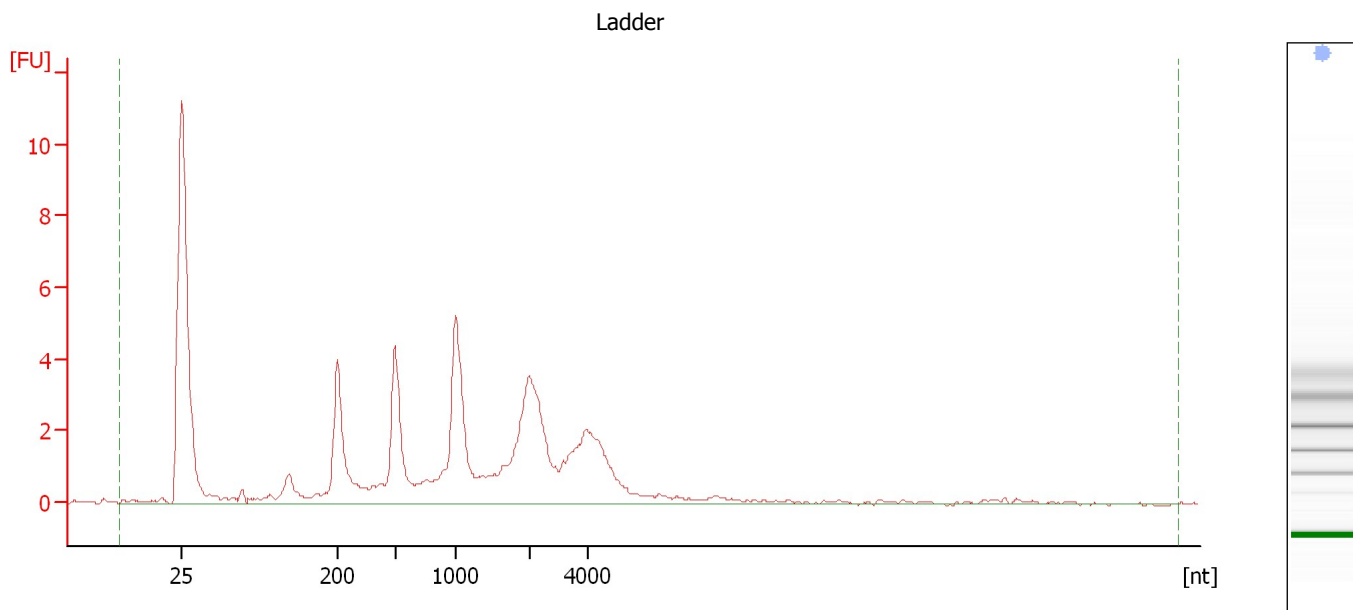
Ladder

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\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Electropherogram Summary



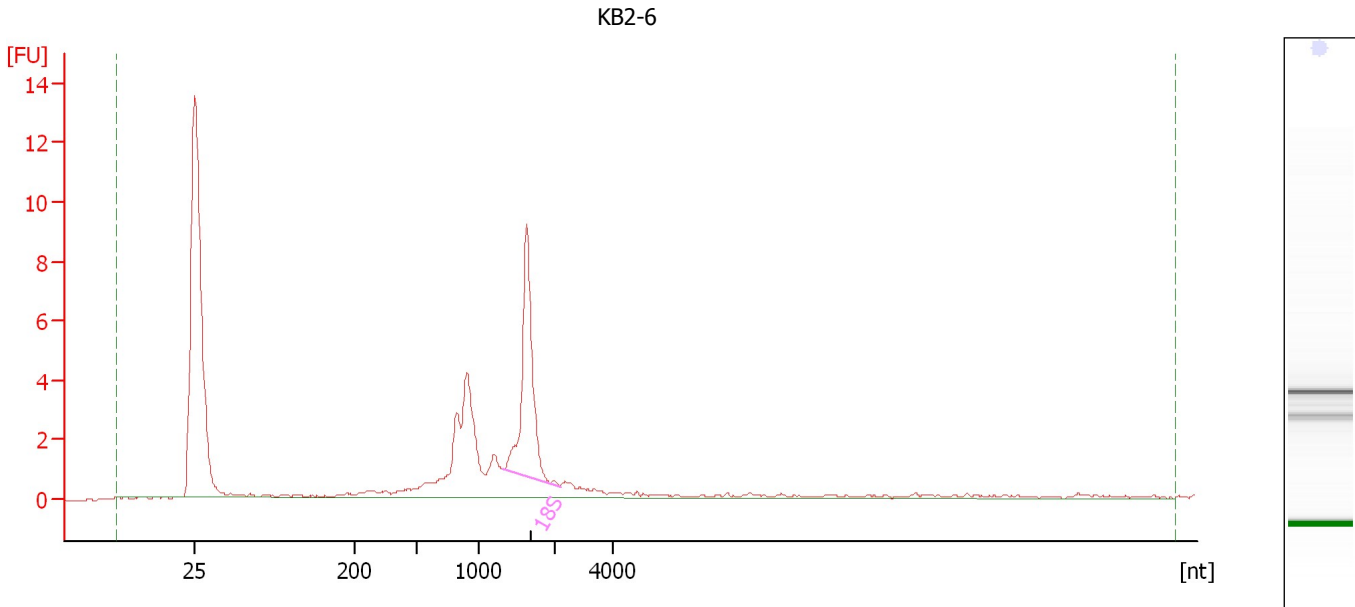
Overall Results for Ladder

RNA Area:	64.2	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : KB2-6

RNA Area:	41.8	RNA Integrity Number (RIN):	7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	98 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.10

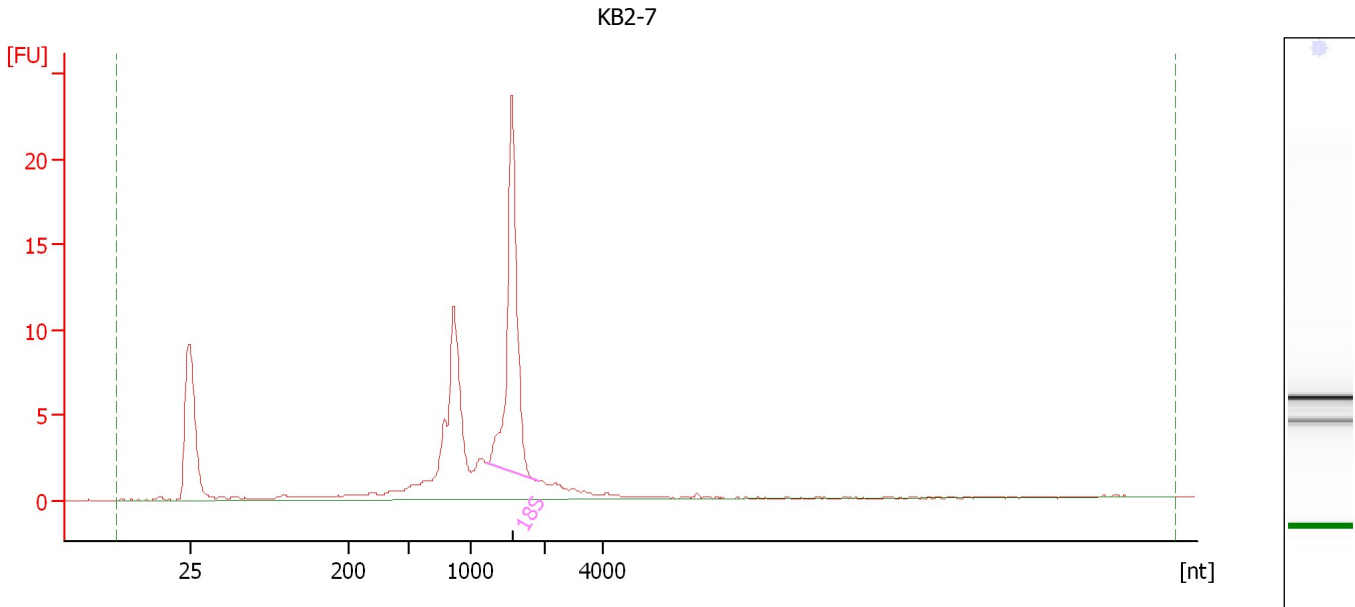
Fragment table for sample 6 : KB2-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,318	2,219	12.3	29.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : KB2-7

RNA Area:	86.8	RNA Integrity Number (RIN):	6.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	203 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.60

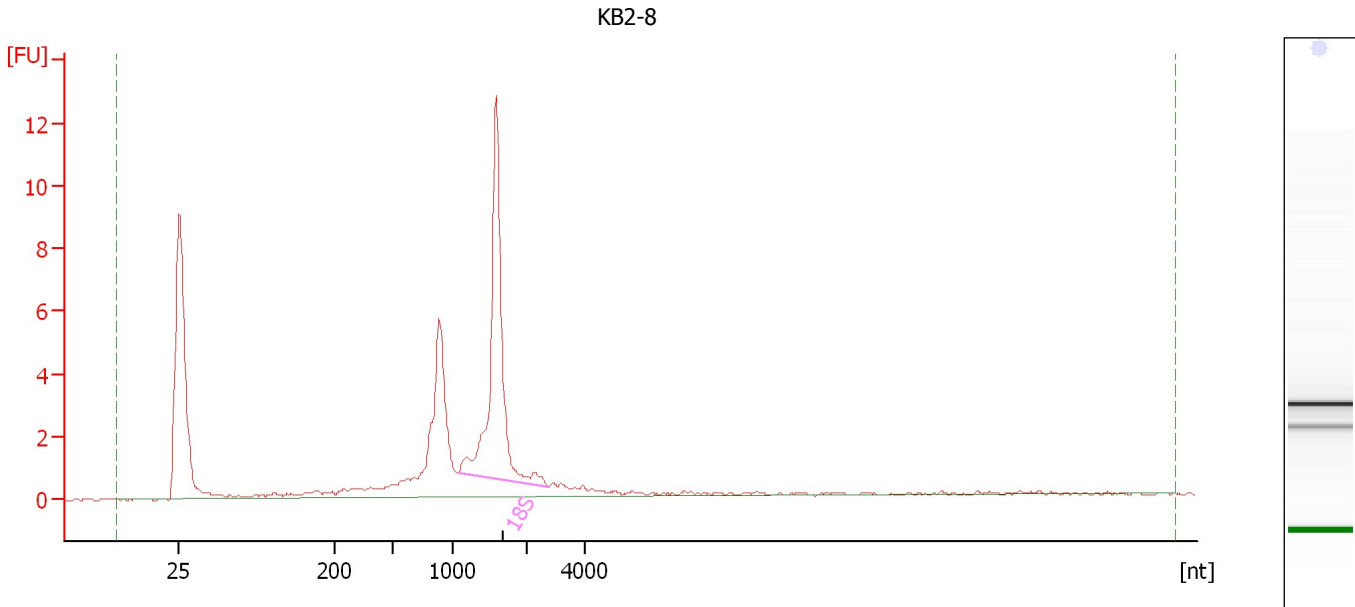
Fragment table for sample 7 : KB2-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,233	1,910	30.6	35.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : KB2-8

RNA Area:	50.0	RNA Integrity Number (RIN):	7.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	117 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.20

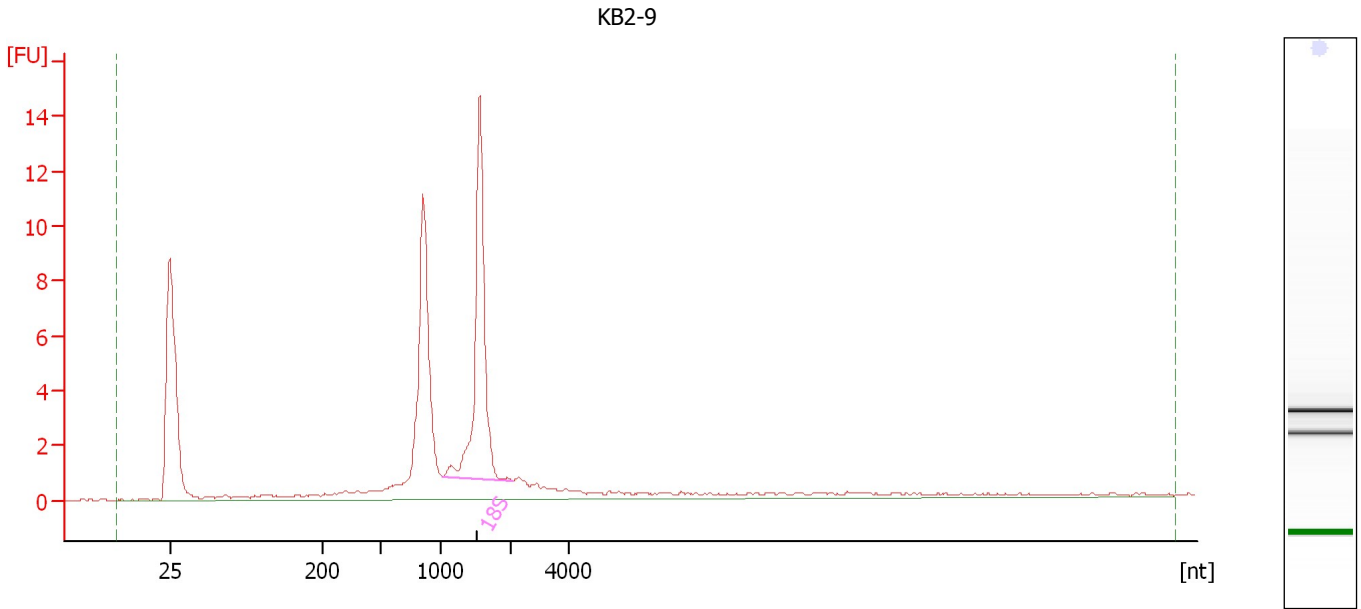
Fragment table for sample 8 : KB2-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,058	2,814	19.9	39.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : KB2-9

RNA Area:	62.3	RNA Integrity Number (RIN):	6.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	146 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.80

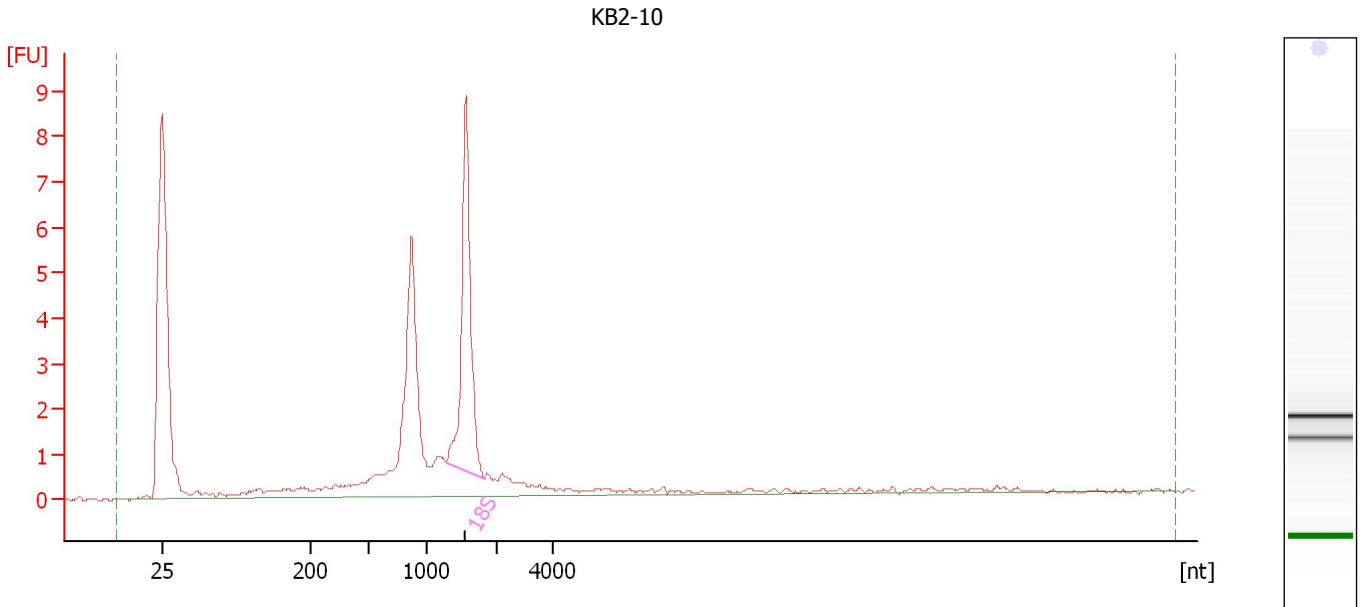
Fragment table for sample 9 : KB2-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,023	2,030	19.5	31.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : KB2-10

RNA Area:	40.3	RNA Integrity Number (RIN):	6.7 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	94 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.70

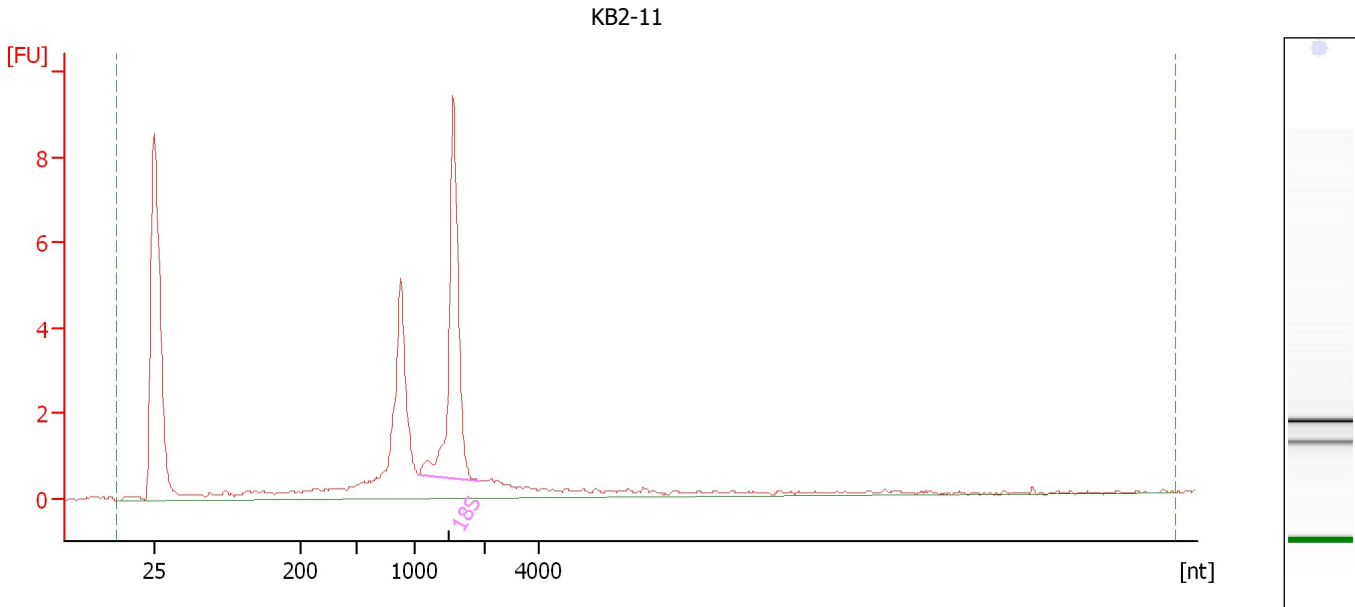
Fragment table for sample 10 : KB2-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,277	1,826	11.0	27.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : KB2-11

RNA Area:	41.1	RNA Integrity Number (RIN):	7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	96 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.10

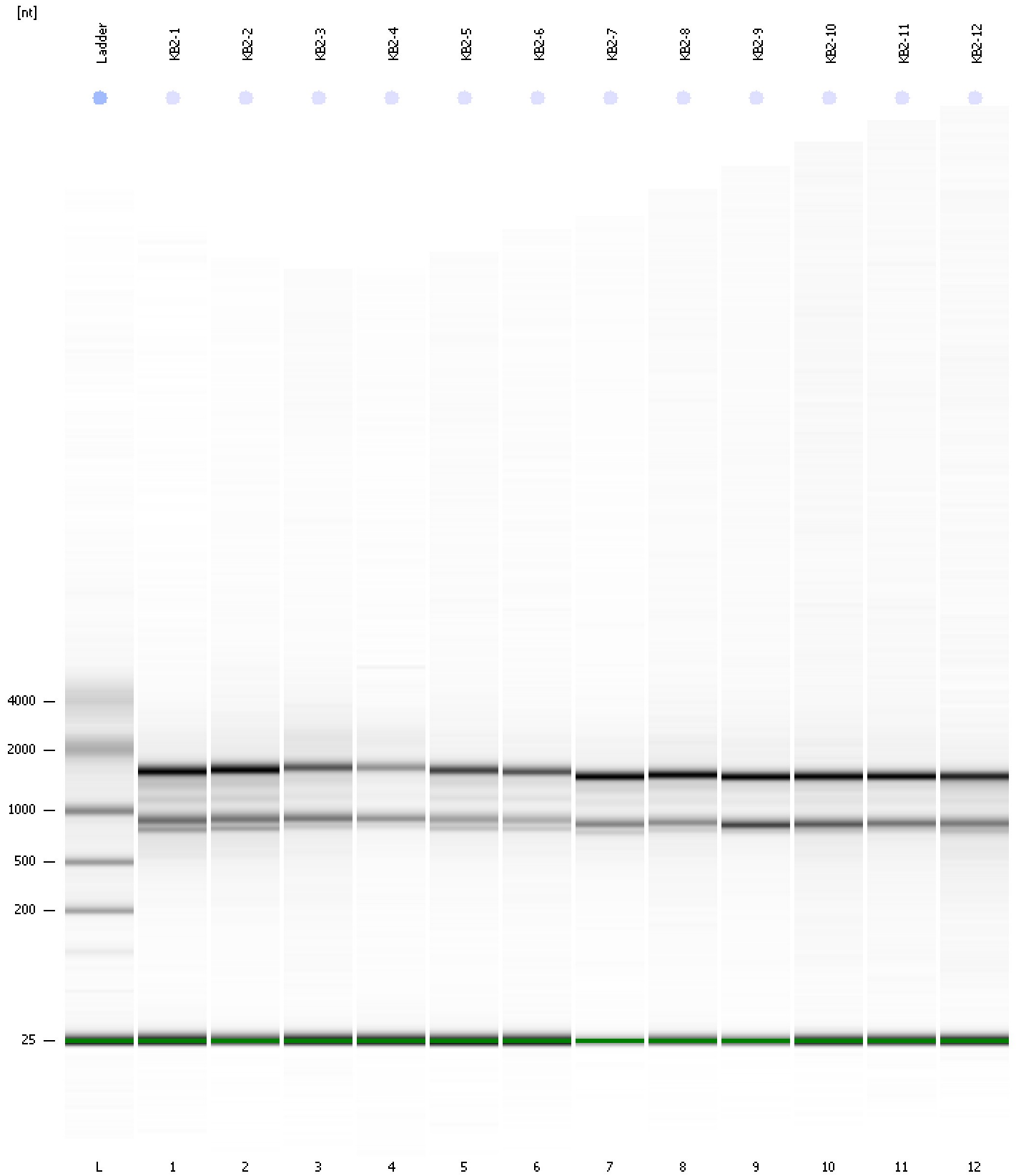
Fragment table for sample 11 : KB2-11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,049	1,917	12.5	30.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Gel Image

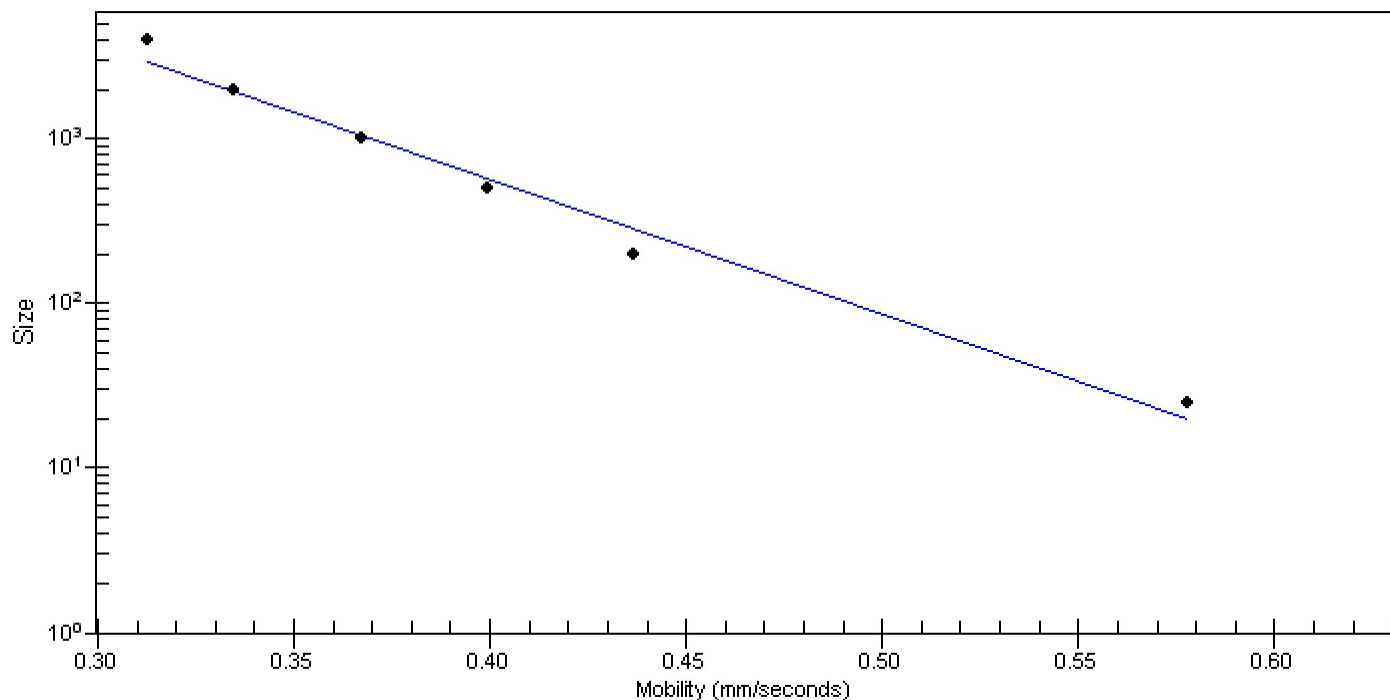


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
Modified: 3/20/2014 11:32:48 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad

Created: 3/18/2014 8:15:11 AM
 Modified: 3/20/2014 11:32:48 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		3/18/2014 8:39:00 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-03-18\2014-03-18_005.xad)		Instrument	Run		3/18/2014 8:15:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/18/2014 8:15:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/18/2014 8:15:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/18/2014 8:15:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/18/2014 8:15:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/18/2014 8:15:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/18/2014 8:15:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1