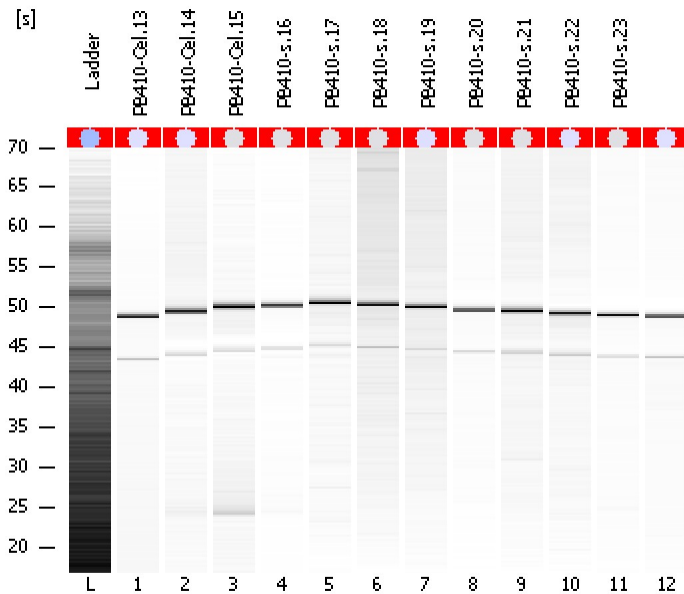


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

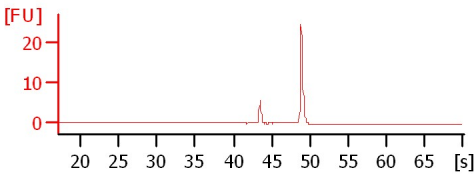
Assay Information:

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.

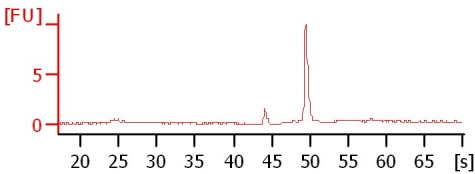
Chip Information:

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

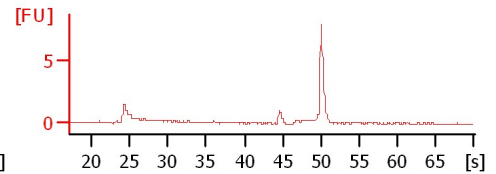
PB410-Cel.13
RIN: 2.60



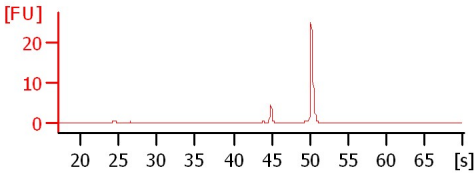
PB410-Cel.14
RIN: 2.60



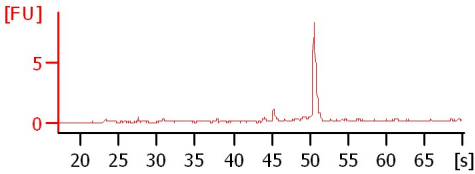
PB410-Cel.15
RIN N/A



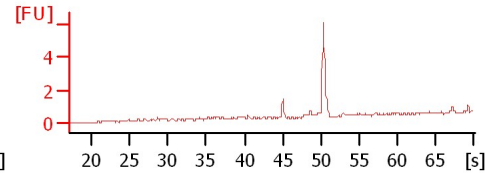
PB410-s.16
RIN N/A



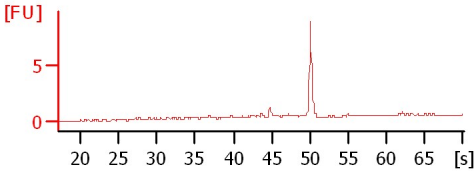
PB410-s.17
RIN N/A



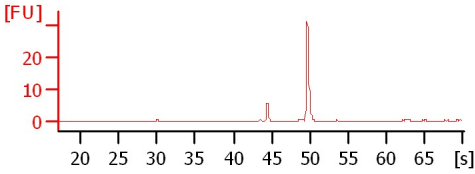
PB410-s.18
RIN N/A



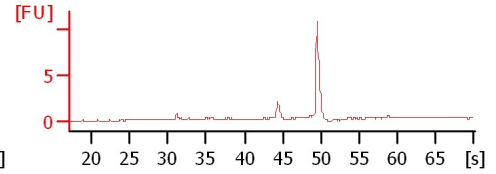
PB410-s.19
RIN: 2.40



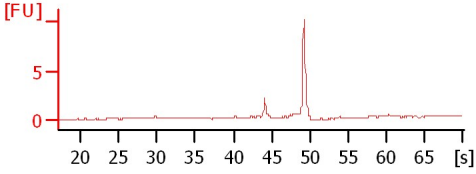
PB410-s.20
RIN N/A



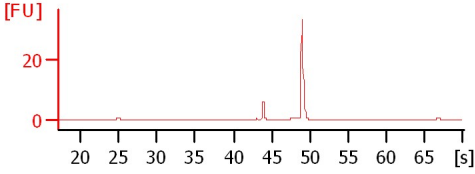
PB410-s.21
RIN N/A



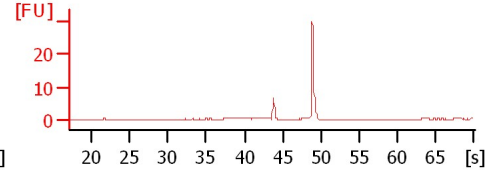
PB410-s.22
RIN: 2.60



PB410-s.23
RIN N/A



PB410-s.23
RIN: 2.60



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
PB410-Cel.13		✓	RIN: 2.60	
PB410-Cel.14		✓	RIN: 2.60	
PB410-Cel.15		✓	RIN N/A	
PB410-s.16		✓	RIN N/A	
PB410-s.17		✓	RIN N/A	
PB410-s.18		✓	RIN N/A	
PB410-s.19		✓	RIN: 2.40	
PB410-s.20		✓	RIN N/A	
PB410-s.21		✓	RIN N/A	
PB410-s.22		✓	RIN: 2.60	
PB410-s.23		✓	RIN N/A	
Ladder		✓	RIN: 2.60	
		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 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

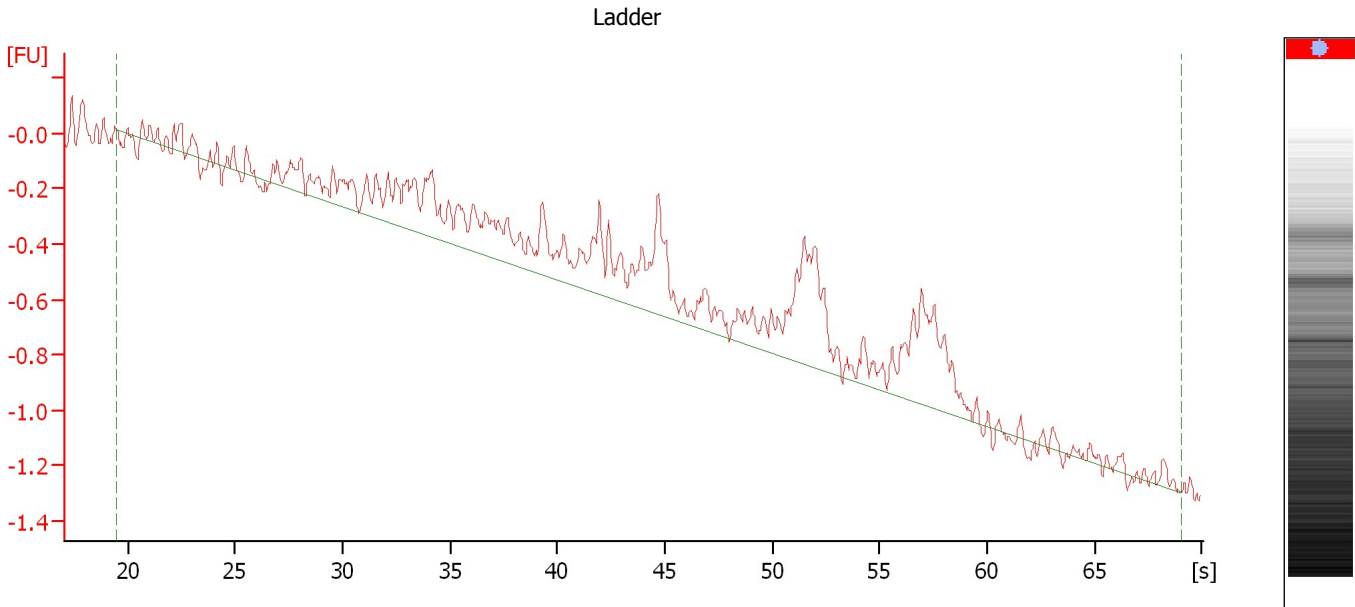
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary



Overall Results for Ladder

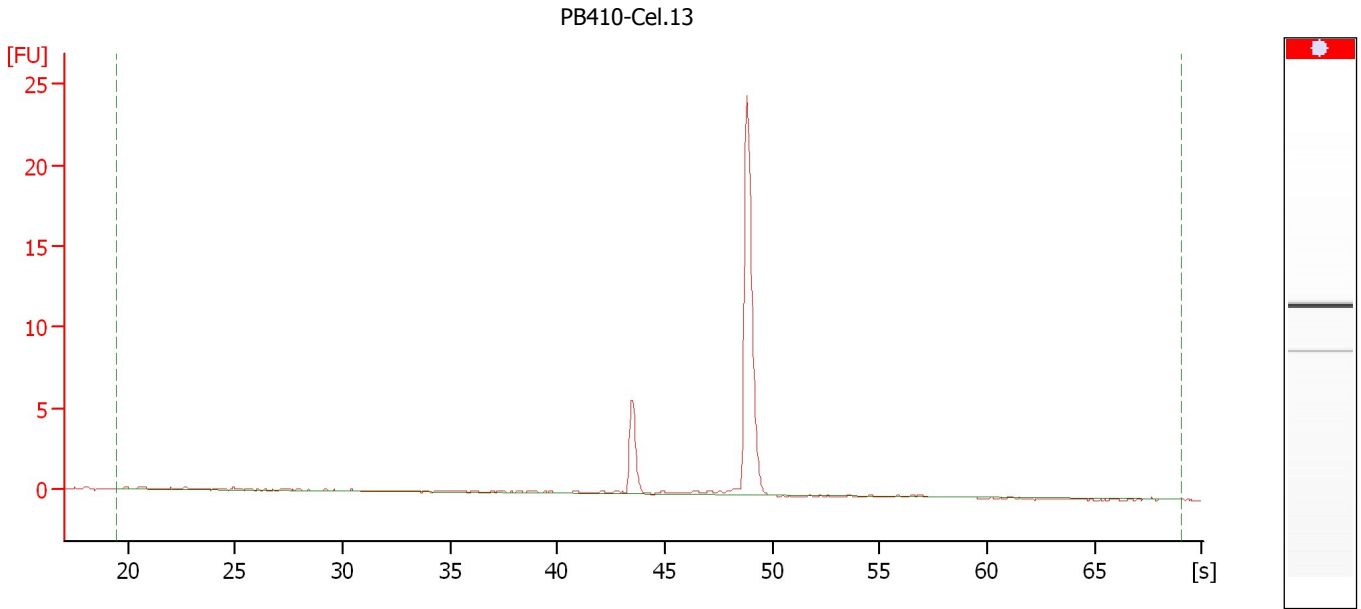
RNA Concentration: 150 ng/μl
Result Flagging Color:

Result Flagging Label: All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



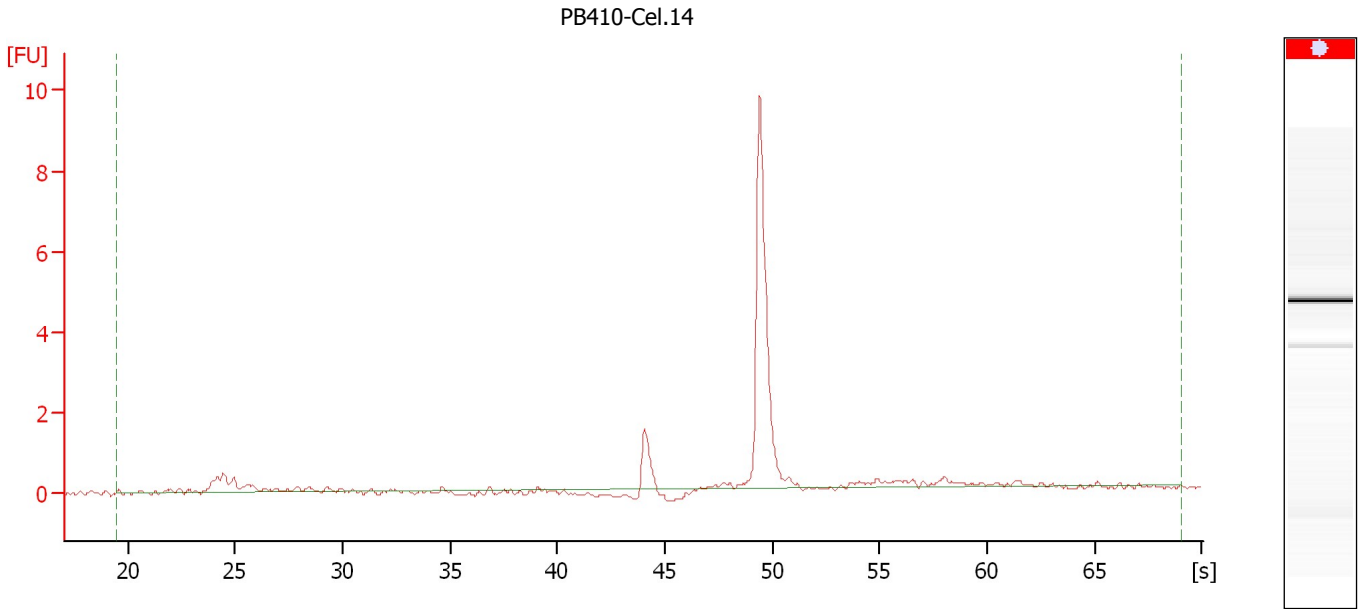
Overall Results for sample 1 : PB410-Cel.13

RNA Area:	29.7	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	421 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



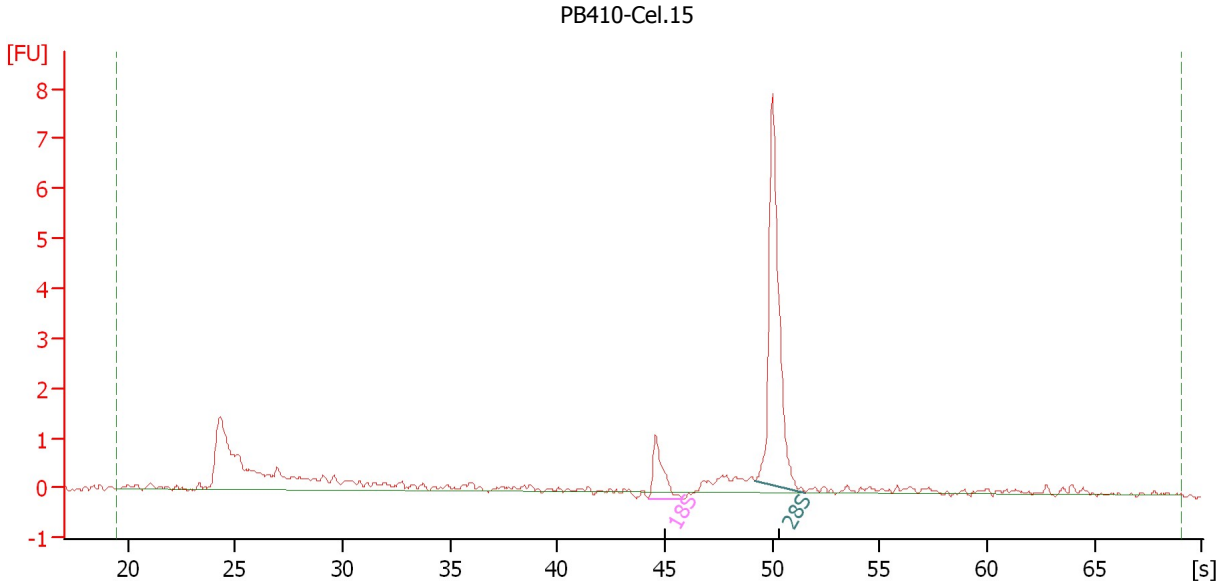
Overall Results for sample 2 : PB410-Cel.14

RNA Area:	16.0	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	227 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : PB410-Cel.15

RNA Area:	25.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	363 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	5.4	Result Flagging Label:	RIN N/A

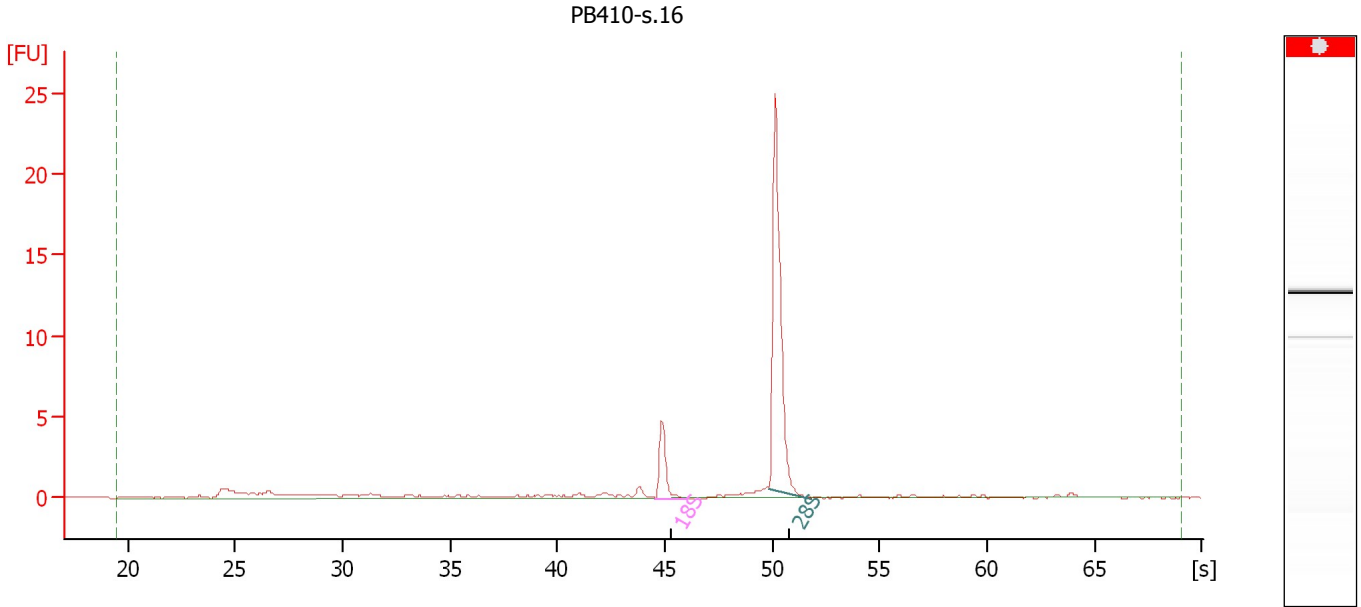
Fragment table for sample 3 : PB410-Cel.15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	1.6	6.1
28S	0	0	8.5	33.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PB410-s.16

RNA Area: 39.2 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 557 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 5.5 Result Flagging Label: RIN N/A

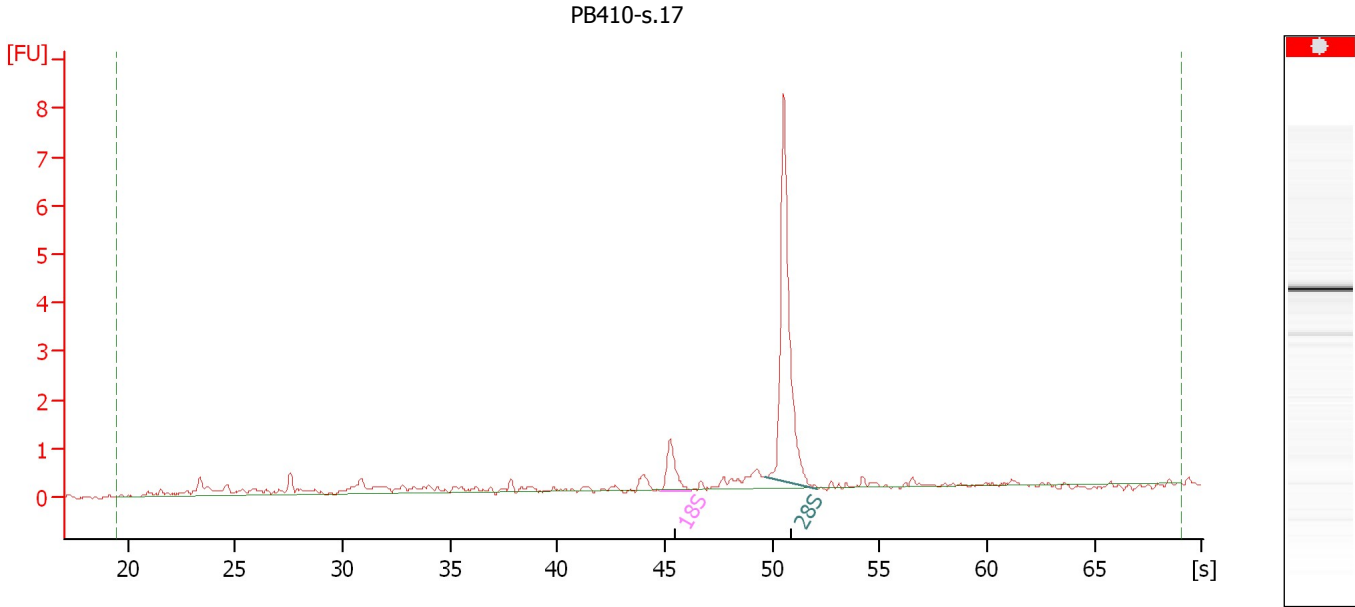
Fragment table for sample 4 : PB410-s.16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	3.6	9.1
28S	0	0	19.6	50.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PB410-s.17

RNA Area:	18.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	257 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	6.4	Result Flagging Label:	RIN N/A

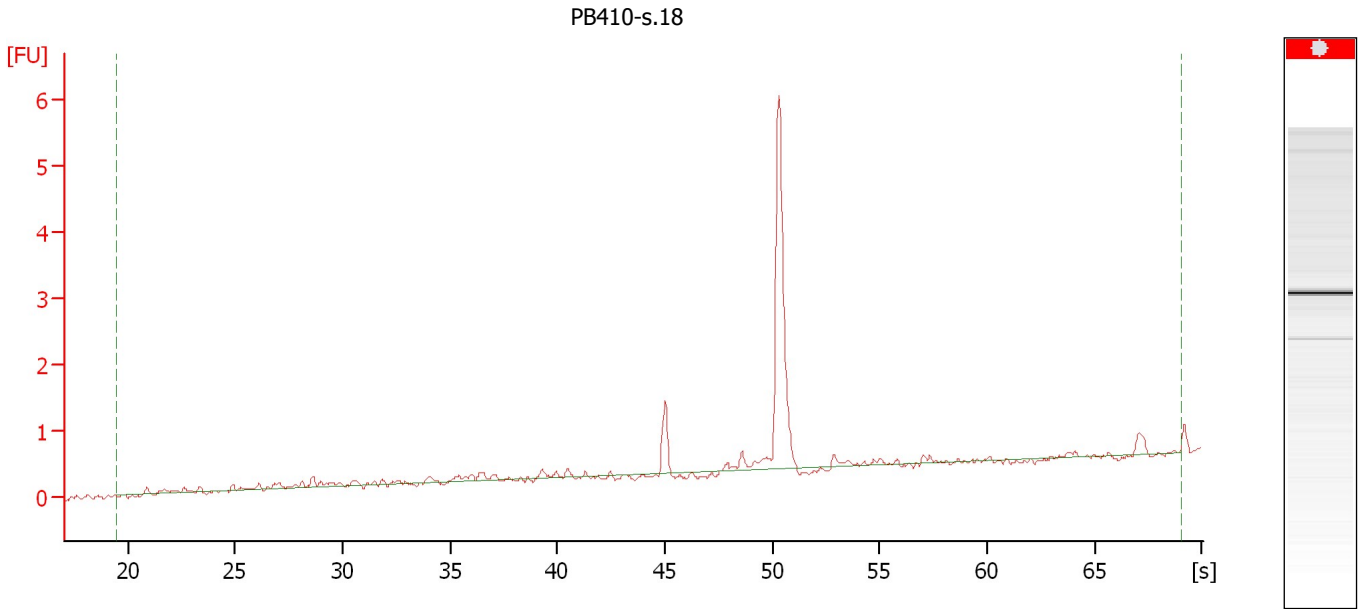
Fragment table for sample 5 : PB410-s.17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	1.1	6.3
28S	0	0	7.4	40.7


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



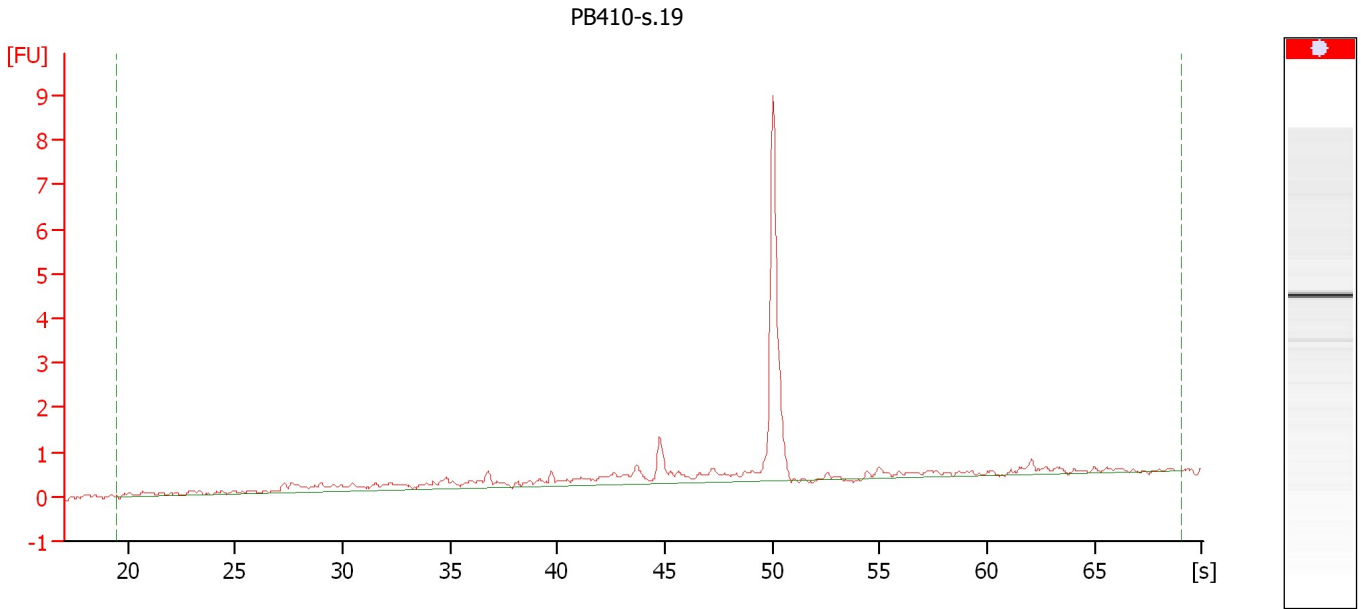
Overall Results for sample 6 : PB410-s.18

RNA Area:	8.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	124 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



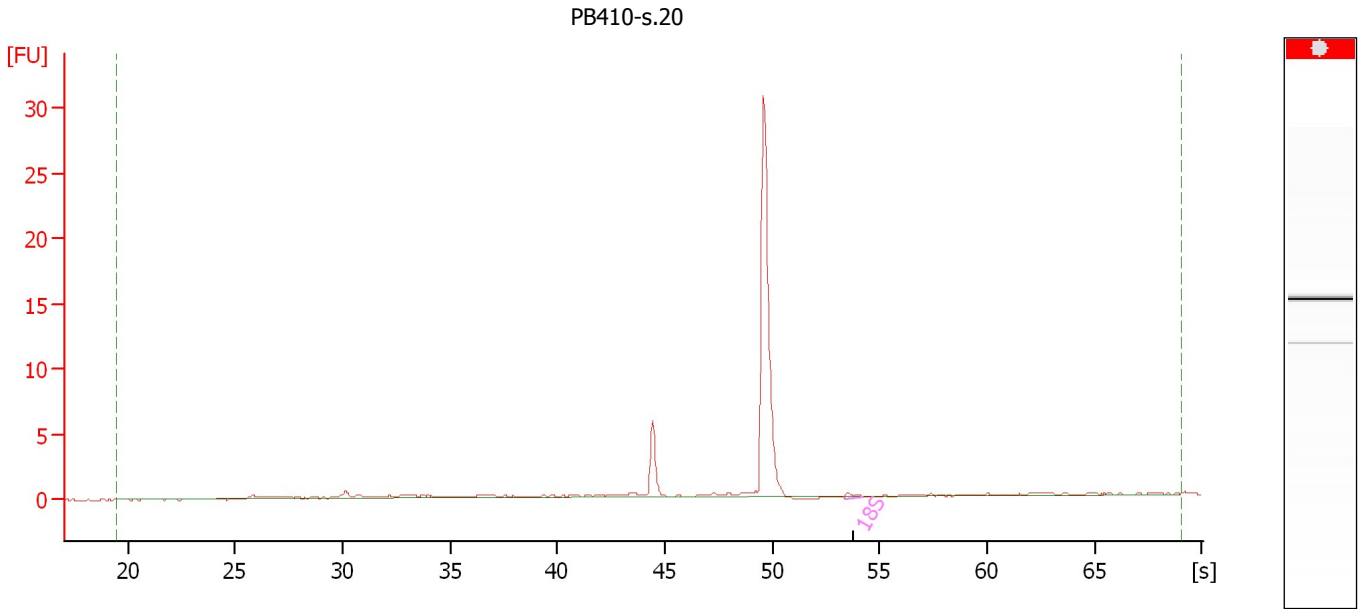
Overall Results for sample 7 : PB410-s.19

RNA Area:	18.5	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	262 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PB410-s.20

RNA Area:	34.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	492 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

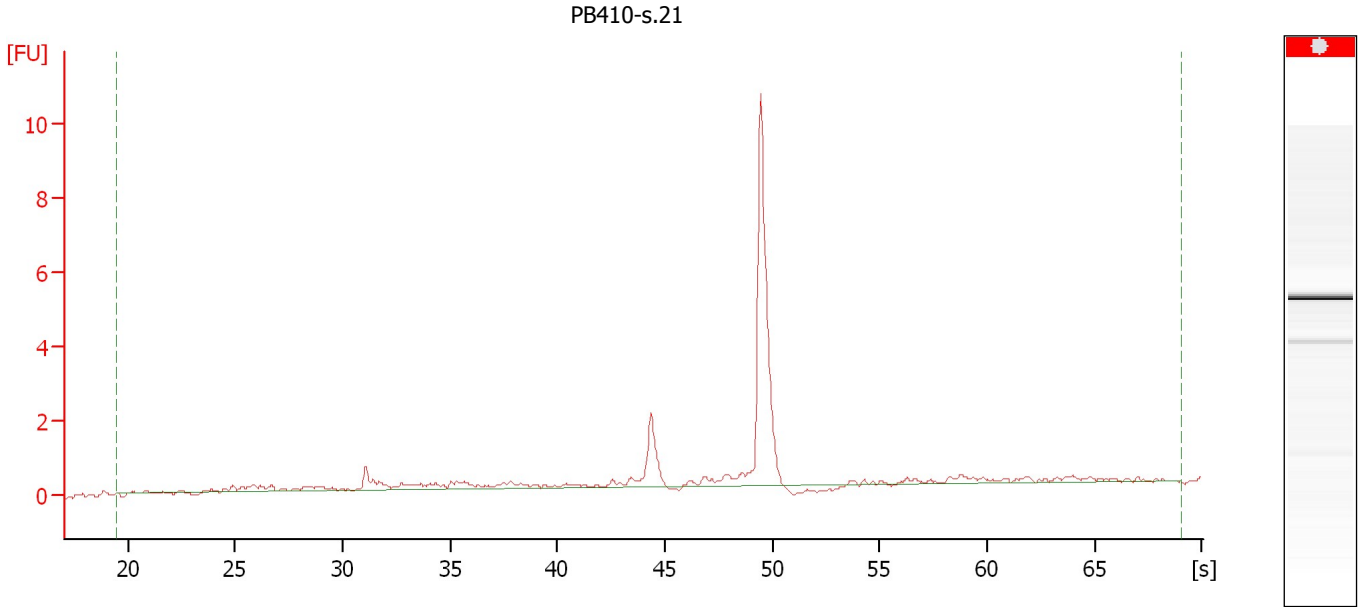
Fragment table for sample 8 : PB410-s.20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	0.3	0.9


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



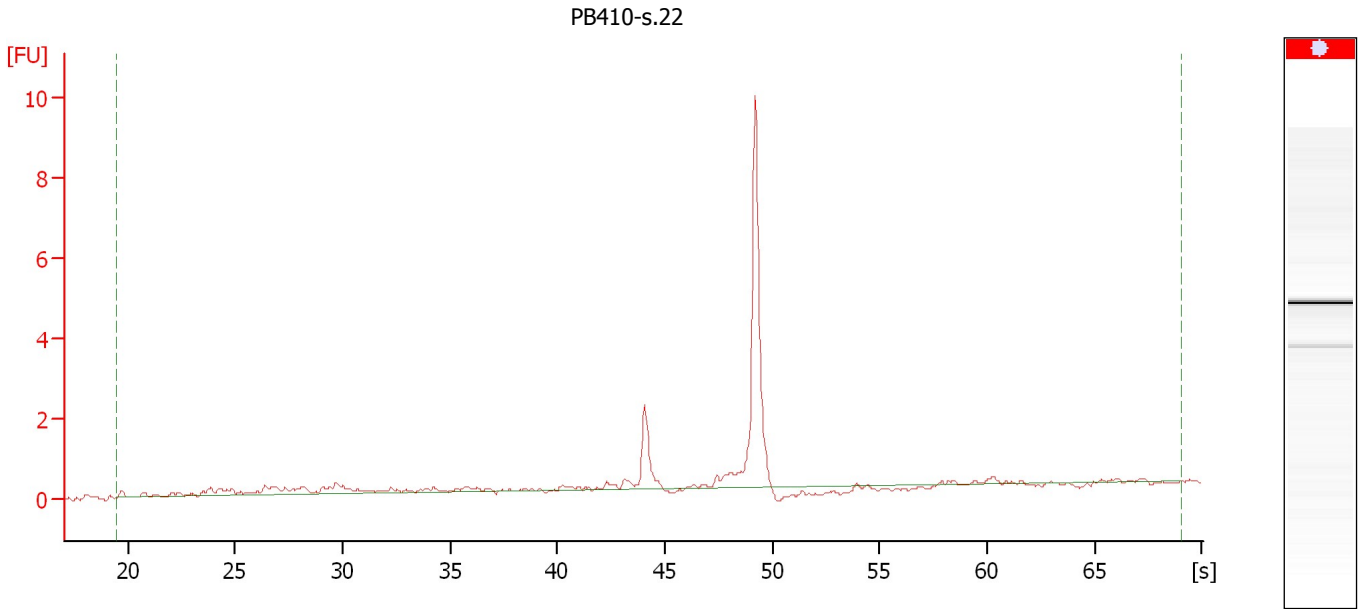
Overall Results for sample 9 : PB410-s.21

RNA Area:	23.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	333 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



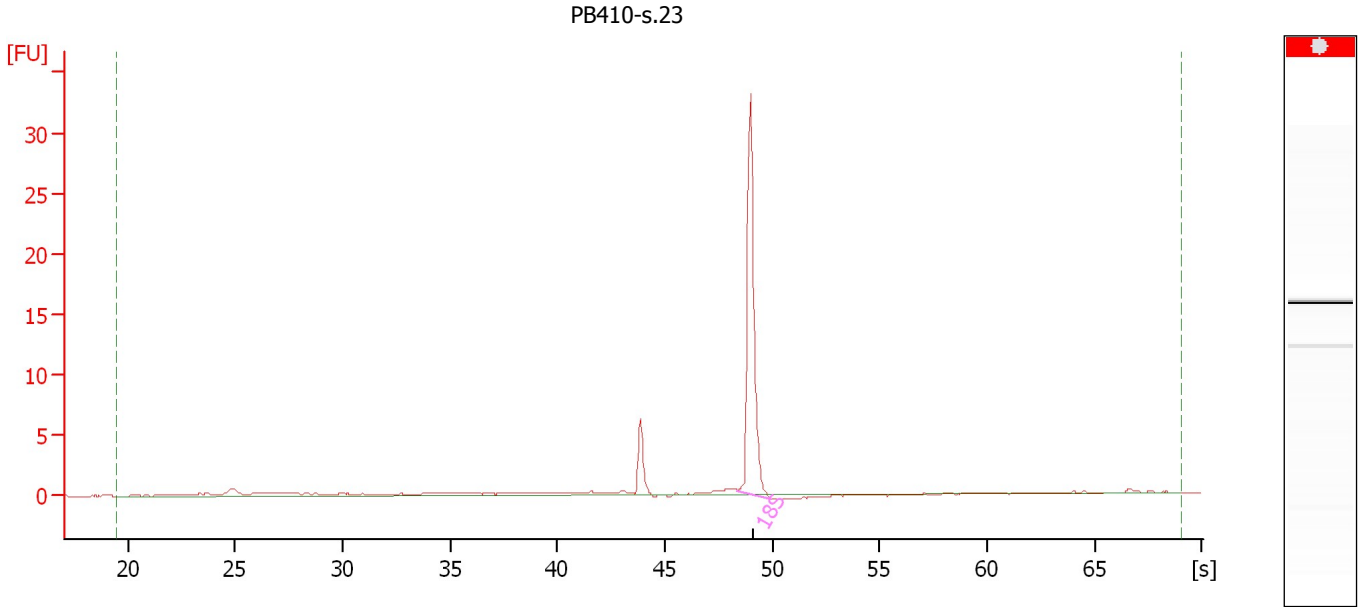
Overall Results for sample 10 : PB410-s.22

RNA Area:	18.5	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	262 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : PB410-s.23

RNA Area:	38.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	552 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

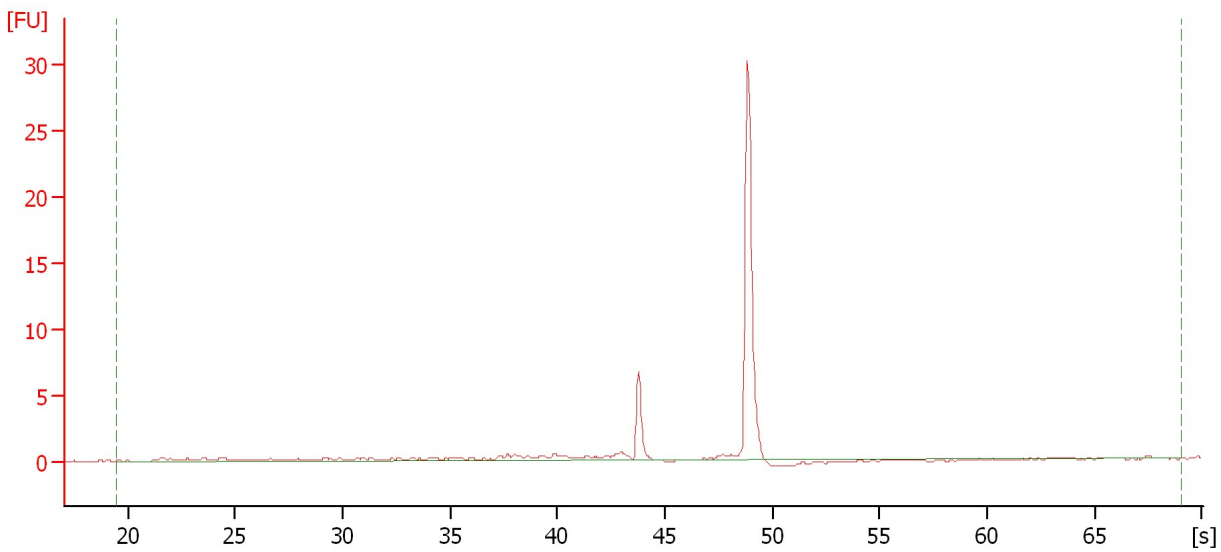
Fragment table for sample 11 : PB410-s.23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	22.9	58.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Electropherogram Summary Continued ...



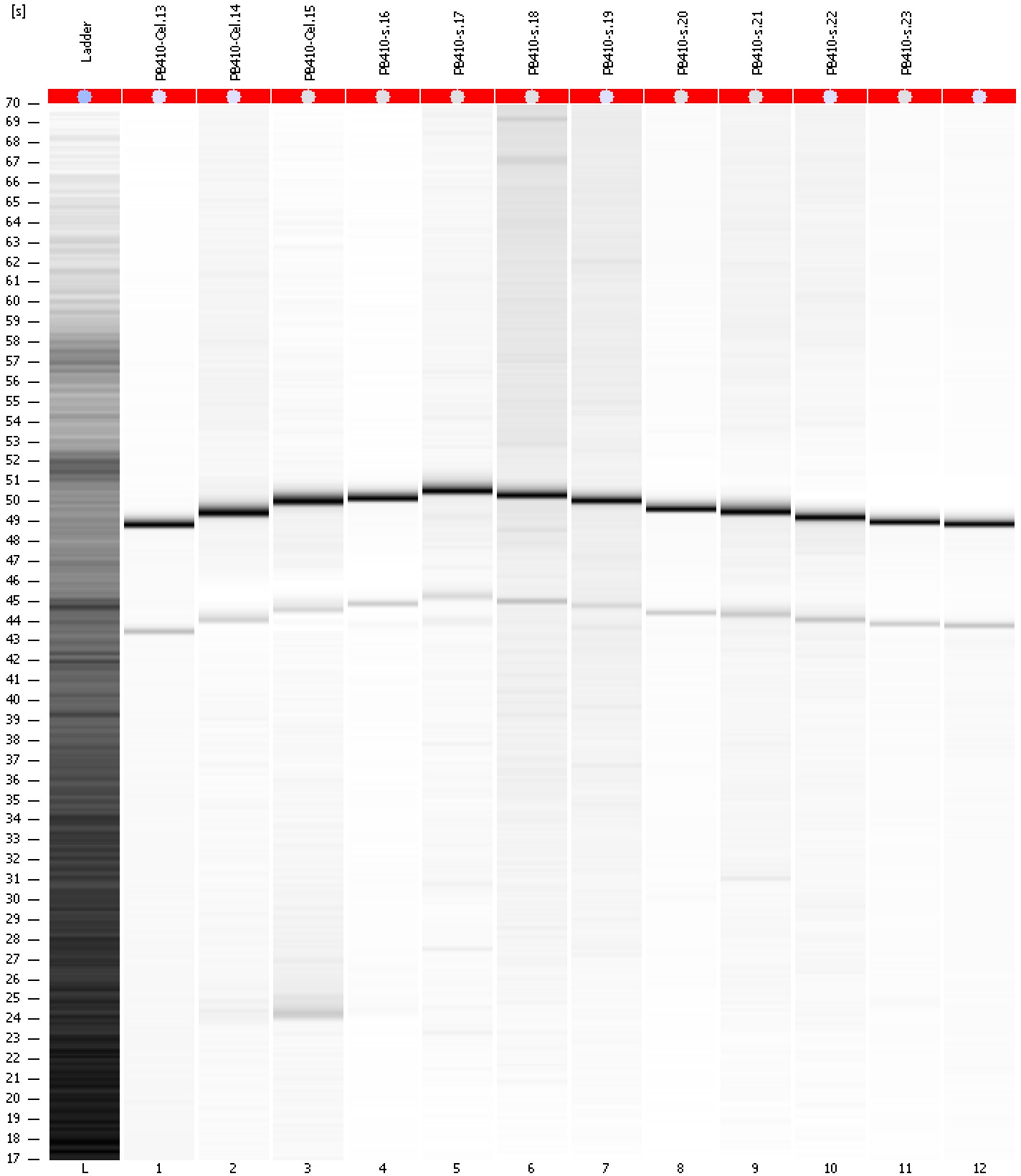
Overall Results for sample 12 :

RNA Area:	37.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	529 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
Modified: 10/29/2019 4:32:57 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad

Created: 10/29/2019 4:09:59 PM
 Modified: 10/29/2019 4:32:57 PM

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		10/29/2019 4:32:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_005.xad)		Instrument	Run		10/29/2019 4:09:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		10/29/2019 4:09:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/29/2019 4:09:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/29/2019 4:09:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		10/29/2019 4:09:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/29/2019 4:09:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/29/2019 4:09:59 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1