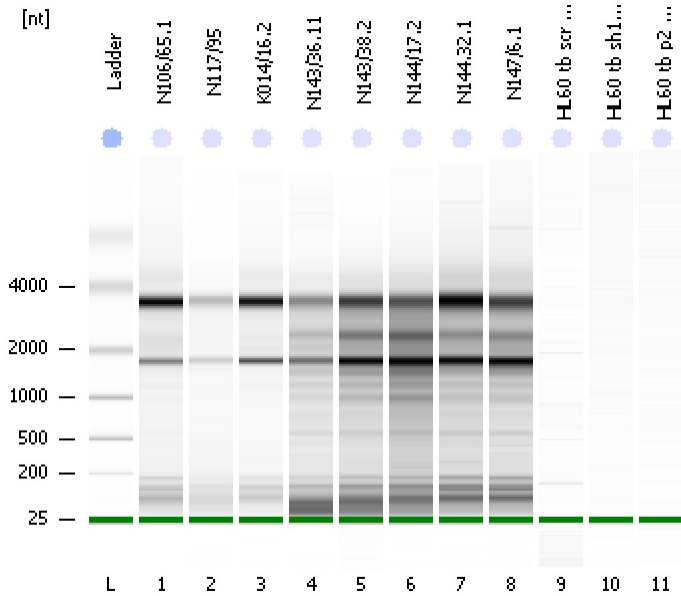


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
 Modified: 10/22/2019 12:55:16 PM

Electrophoresis File Run Summary



Instrument Information:

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

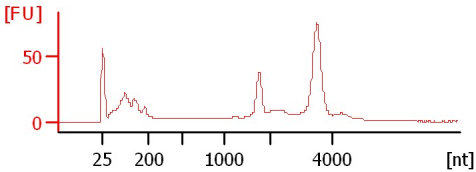
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
 Assay Class: Eukaryote Total RNA Pico
 Version: 2.6
 Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

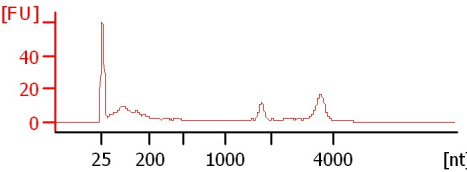
Chip Information:

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

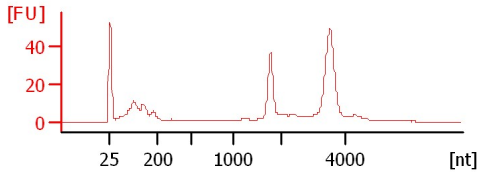
N106/65.1
 QC504 1
 RIN: 8.50



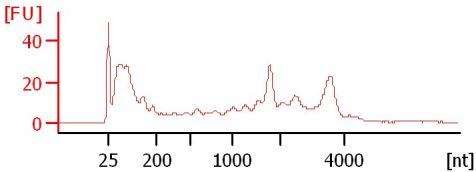
N117/95
 QC504 2
 RIN: 7.40



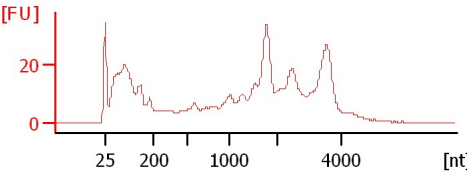
K014/16.2
 QC504 3
 RIN: 9.20



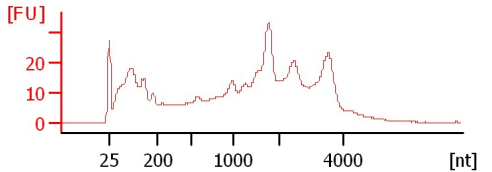
N143/36.11
 QC504 4
 RIN: 5.80



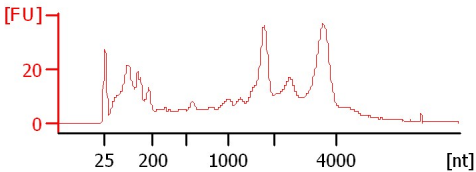
N143/38.2
 QC504 5
 RIN: 6.10



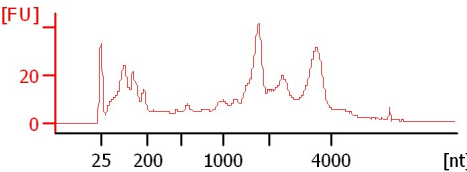
N144/17.2
 QC504 6
 RIN: 5.40



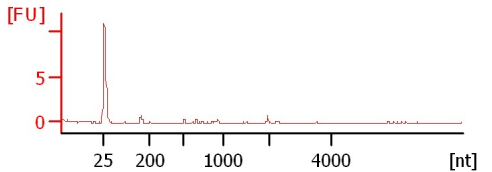
N144.32.1
 QC504 7
 RIN: 7.20



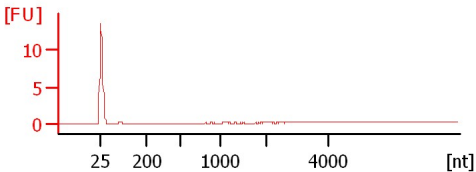
N147/6.1
 QC504 8
 RIN: 7



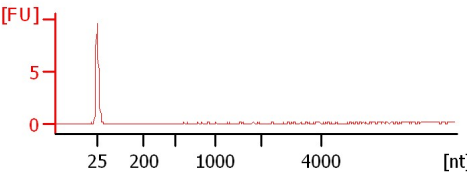
HL60 tb scr exp 2
 QC 499 2
 RIN: 5.50



HL60 tb sh1 exp2
 QC 499 1
 RIN: 1



HL60 tb p2 scr exp 3
 QC 499 3
 RIN: 1



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
 Modified: 10/22/2019 12:55:16 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
N106/65.1	QC504 1	✓	RIN: 8.50	
N117/95	QC504 2	✓	RIN: 7.40	
K014/16.2	QC504 3	✓	RIN: 9.20	
N143/36.11	QC504 4	✓	RIN: 5.80	
N143/38.2	QC504 5	✓	RIN: 6.10	
N144/17.2	QC504 6	✓	RIN: 5.40	
N144.32.1	QC504 7	✓	RIN: 7.20	
N147/6.1	QC504 8	✓	RIN:7	
HL60 tb scr exp 2	QC 499 2	✓	RIN: 5.50	
HL60 tb sh1 exp2	QC 499 1	✓	RIN:1	
HL60 tb p2 scr exp 3	QC 499 3	✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

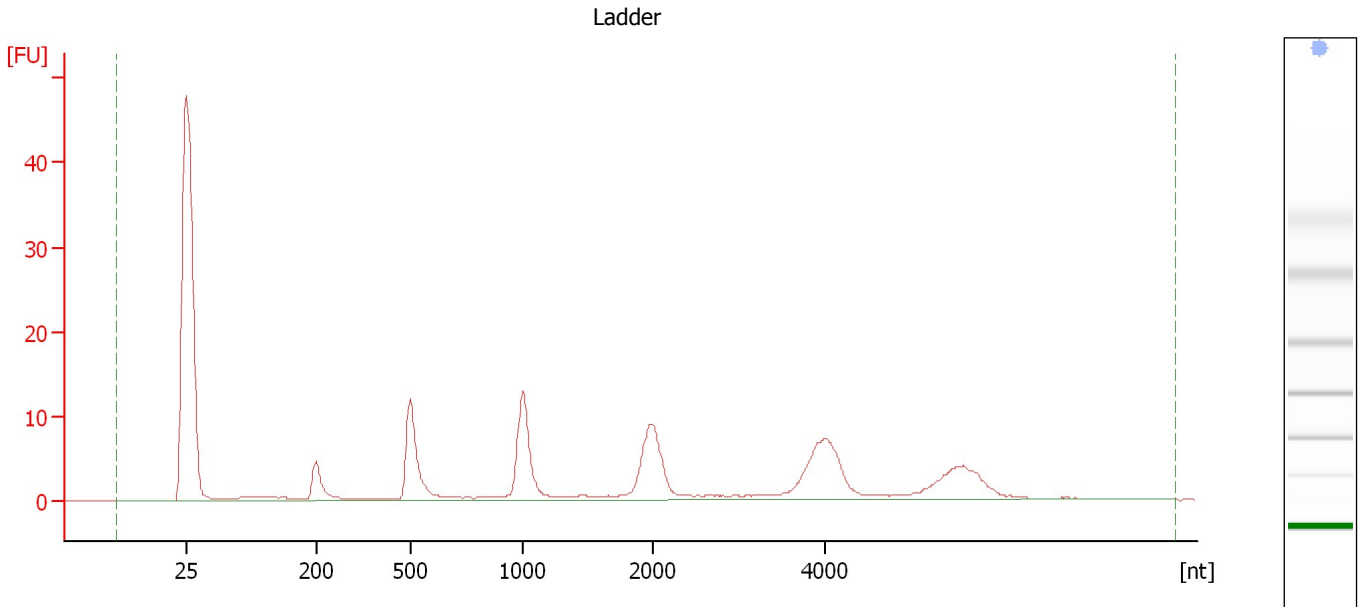
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary



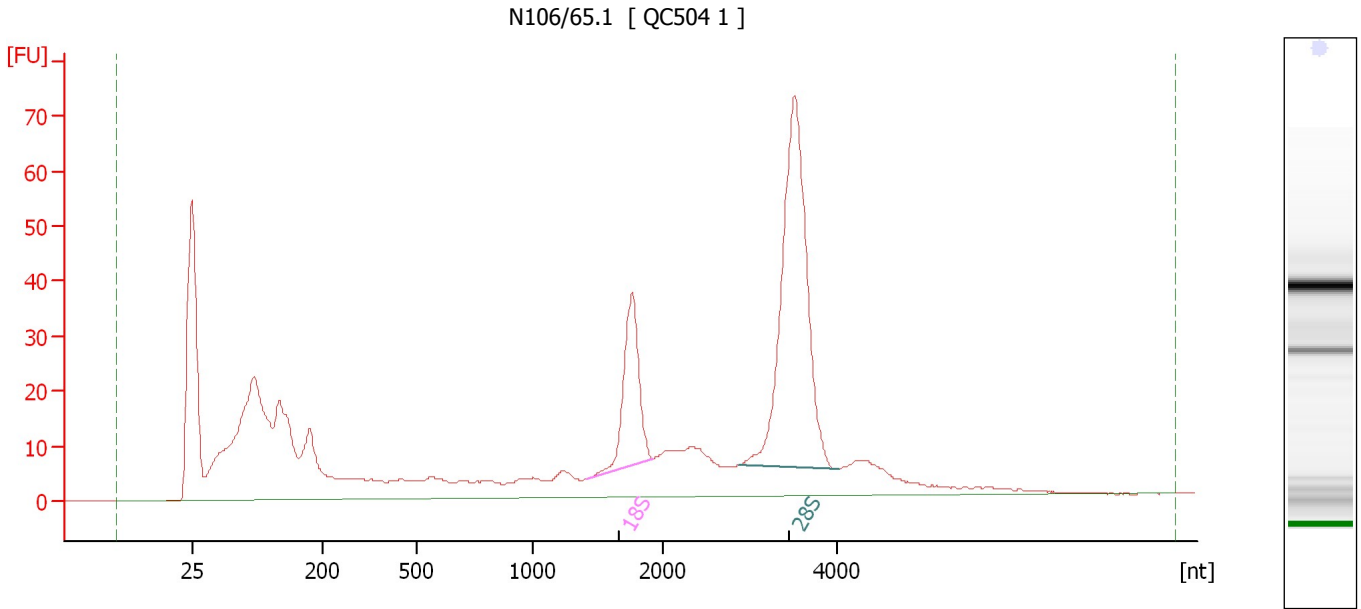
Overall Results for Ladder

RNA Area:	139.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : N106/65.1

RNA Area:	806.1	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	5,793 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.0	Result Flagging Label:	RIN: 8.50

Fragment table for sample 1 : N106/65.1

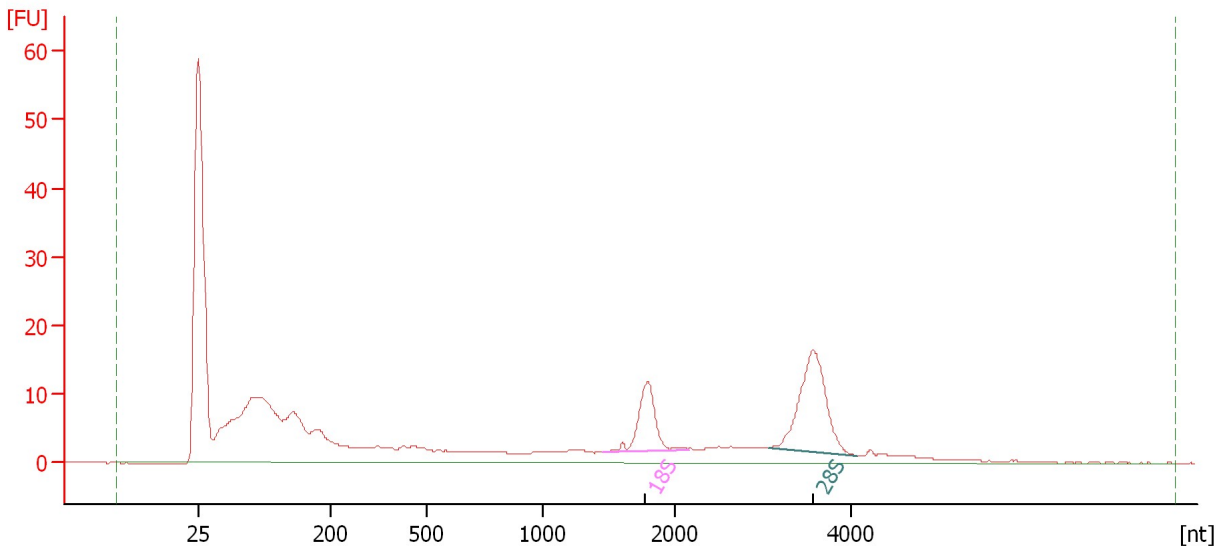
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,421	1,919	58.8	7.3
28S	2,887	4,029	178.2	22.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...

N117/95 [QC504 2]



Overall Results for sample 2 : N117/95

RNA Area: 316.7 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 2,276 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 7.40

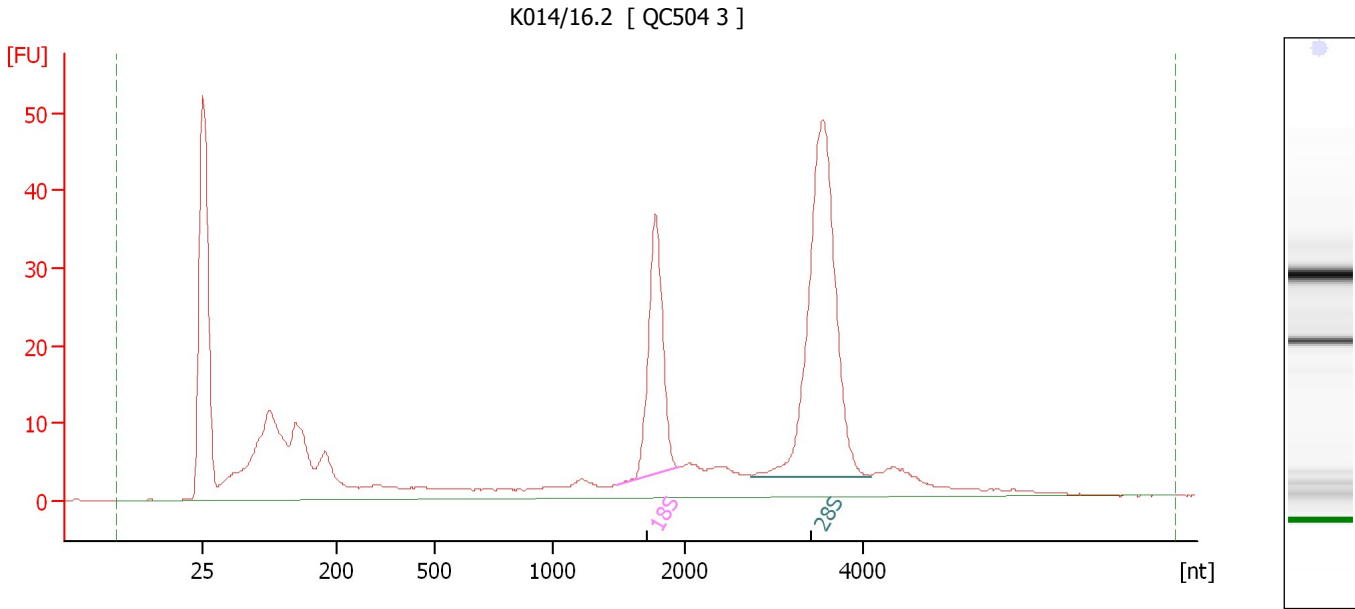
Fragment table for sample 2 : N117/95

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,454	2,151	20.7	6.5
28S	3,072	4,067	40.9	12.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : K014/16.2

RNA Area:	458.7	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	3,297 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 9.20

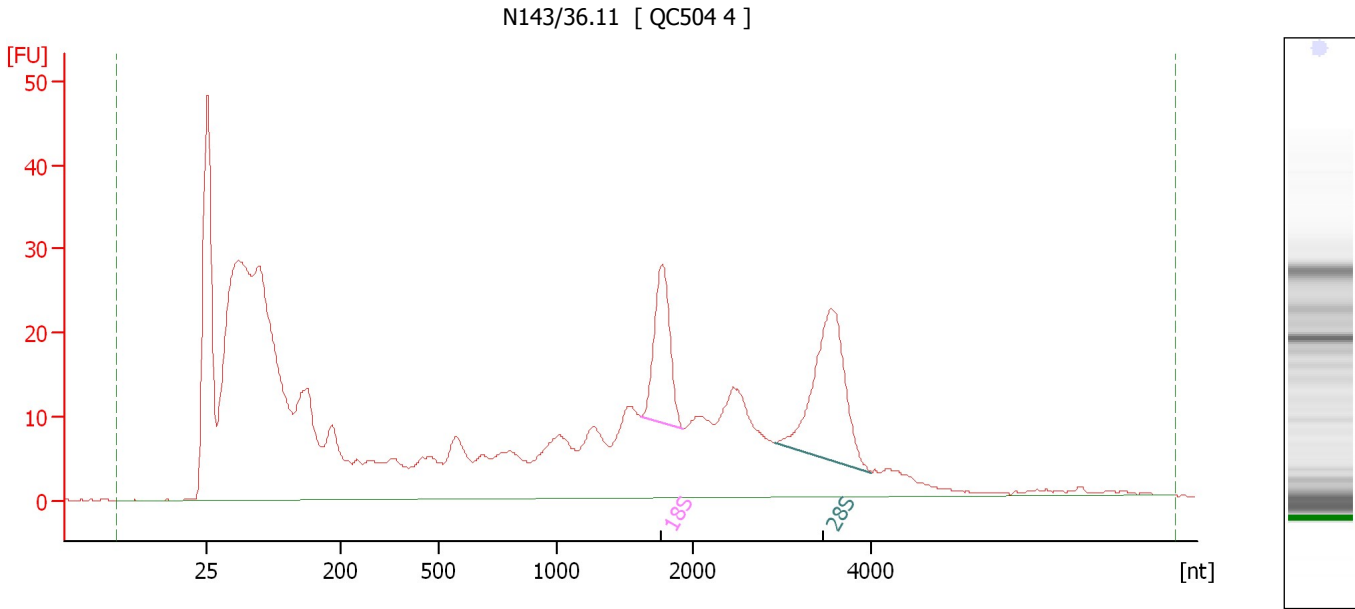
Fragment table for sample 3 : K014/16.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,478	1,949	57.6	12.6
28S	2,740	4,072	125.8	27.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
 Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : N143/36.11

RNA Area:	867.3	RNA Integrity Number (RIN):	5.8 (B.02.08)
RNA Concentration:	6,233 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 5.80

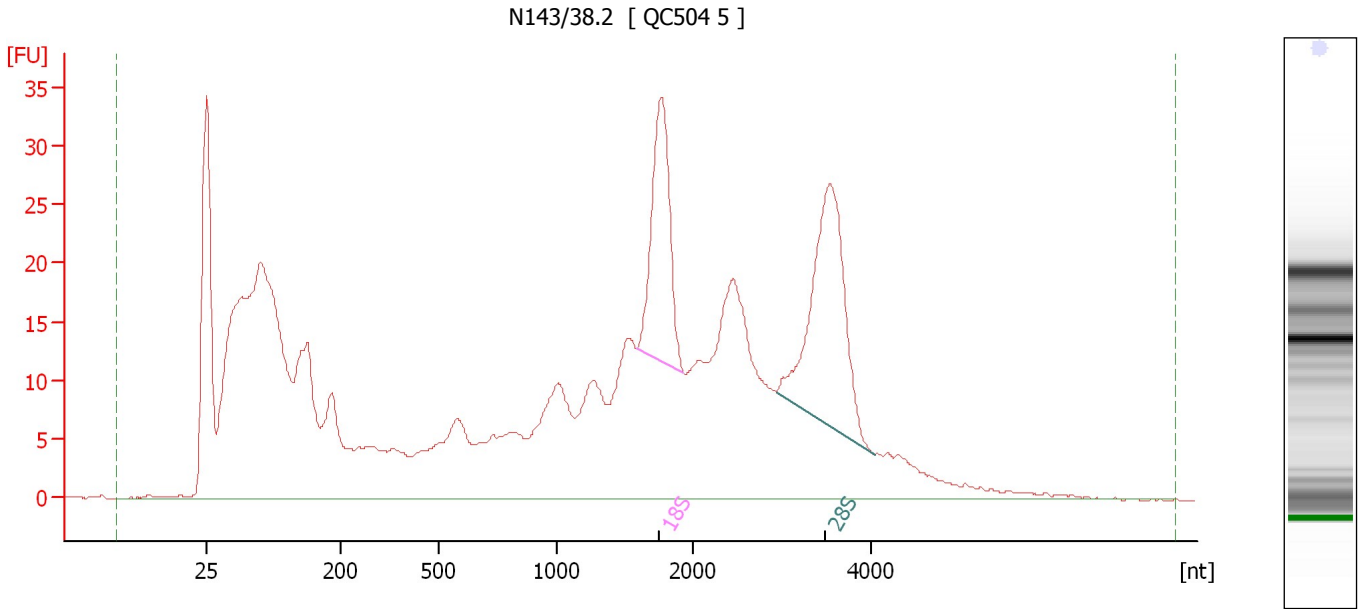
Fragment table for sample 4 : N143/36.11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,625	1,926	35.6	4.1
28S	2,927	4,000	57.7	6.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
 Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : N143/38.2

RNA Area:	885.1	RNA Integrity Number (RIN):	6.1 (B.02.08)
RNA Concentration:	6,361 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 6.10

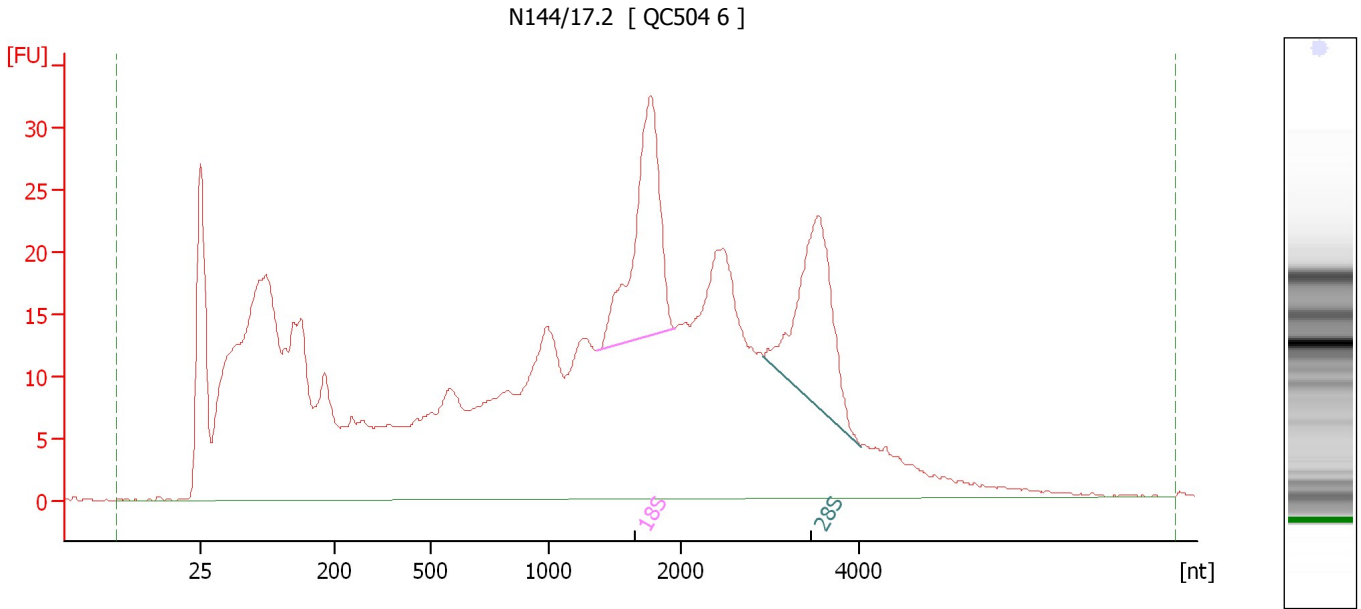
Fragment table for sample 5 : N143/38.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,585	1,934	48.8	5.5
28S	2,939	4,036	69.8	7.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : N144/17.2

RNA Area: 990.5 RNA Integrity Number (RIN): 5.4 (B.02.08)
RNA Concentration: 7,118 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 5.40

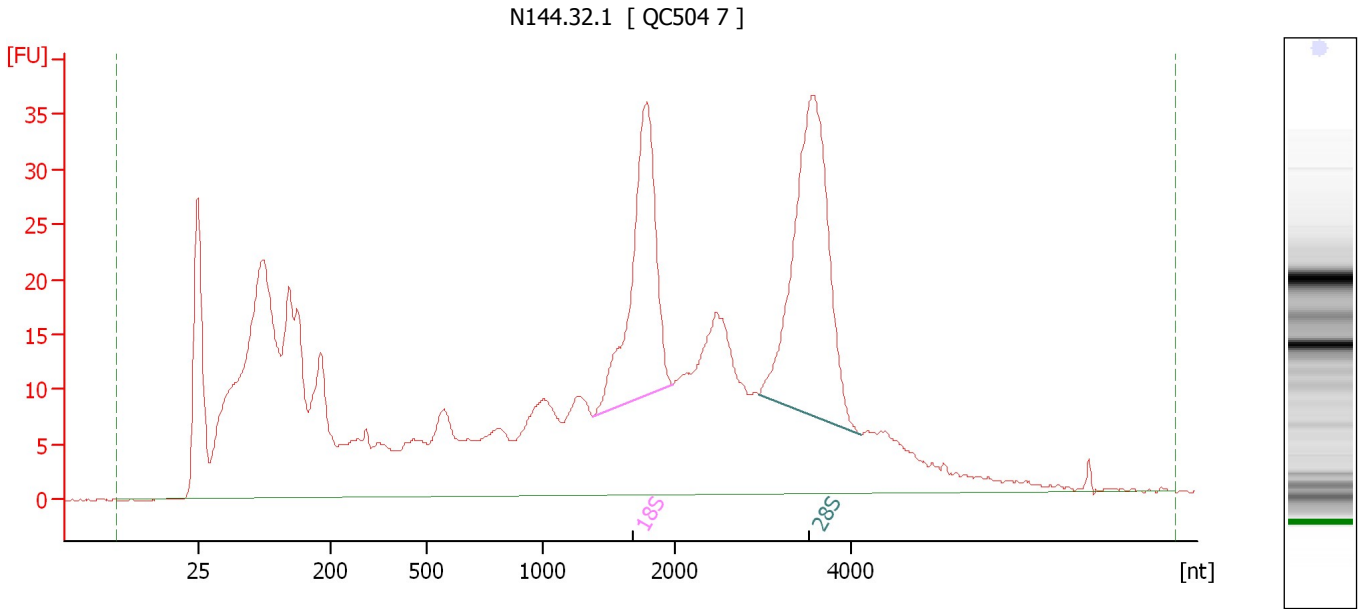
Fragment table for sample 6 : N144/17.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,363	1,948	60.0	6.1
28S	2,922	4,019	53.7	5.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
 Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : N144.32.1

RNA Area:	940.4	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	6,758 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.20

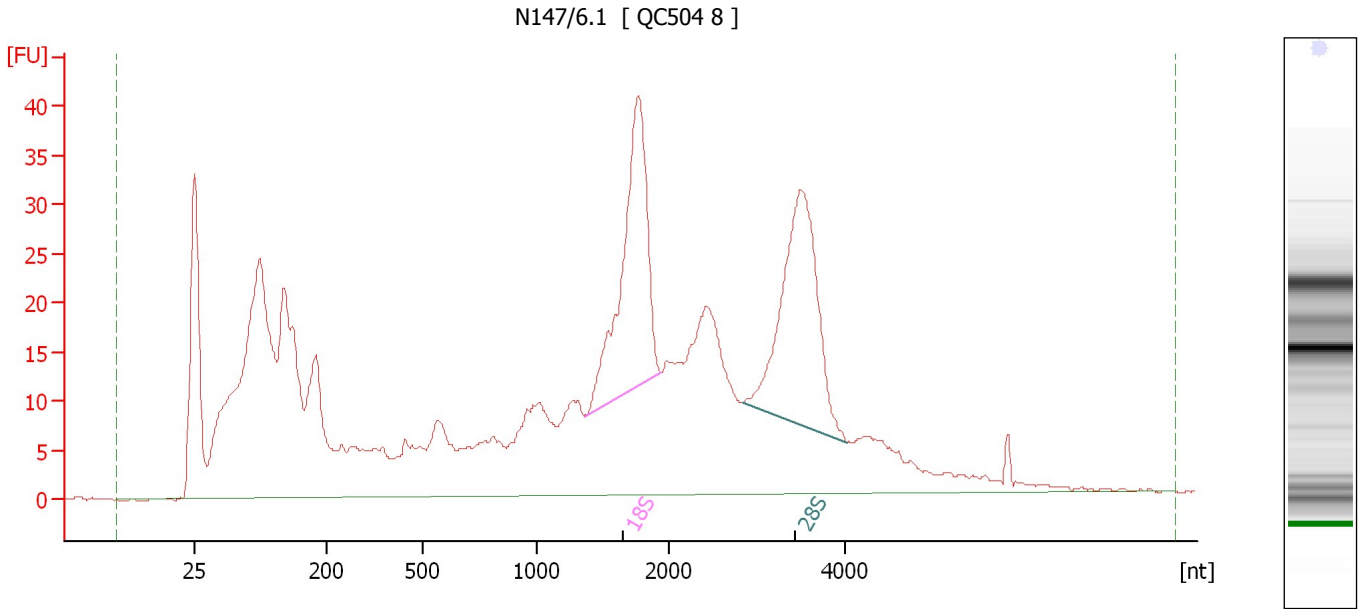
Fragment table for sample 7 : N144.32.1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,382	1,979	78.3	8.3
28S	2,939	4,103	106.8	11.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : N147/6.1

RNA Area: 991.5 RNA Integrity Number (RIN): 7 (B.02.08)
RNA Concentration: 7,126 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN:7

Fragment table for sample 8 : N147/6.1

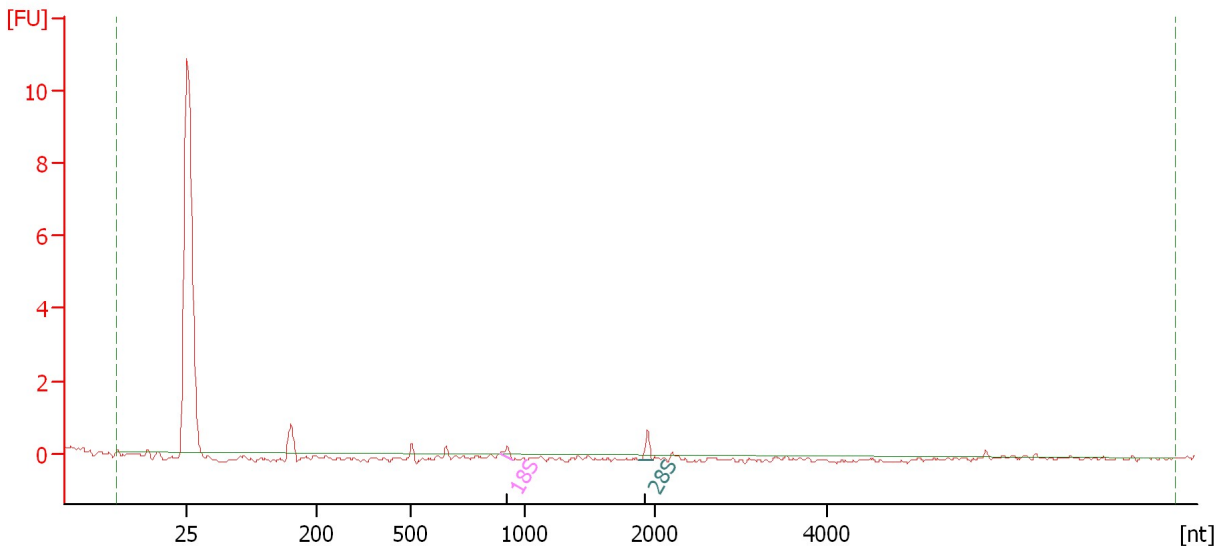
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,352	1,937	89.7	9.0
28S	2,846	4,030	89.5	9.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...

HL60 tb scr exp 2 [QC 499 2]



Overall Results for sample 9 : HL60 tb scr exp 2

RNA Area: 1.6 RNA Integrity Number (RIN): 5.5 (B.02.08)
RNA Concentration: 11 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 5.50

Fragment table for sample 9 : HL60 tb scr exp 2

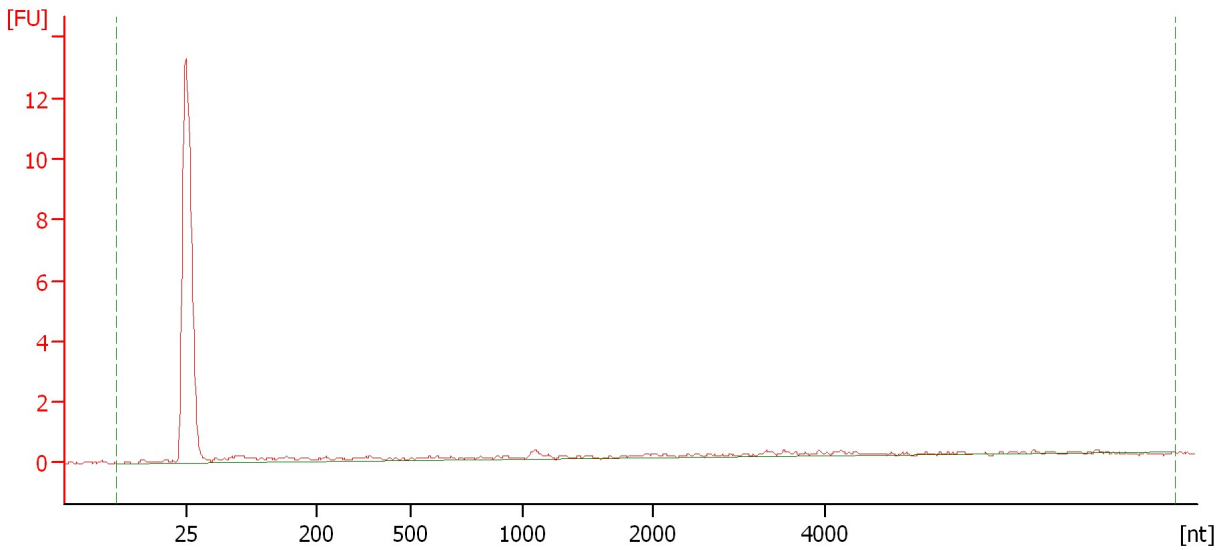
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	893	944	0.2	13.8
28S	1,884	1,983	0.4	26.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...

HL60 tb sh1 exp2 [QC 499 1]



Overall Results for sample 10 : HL60 tb sh1 exp2

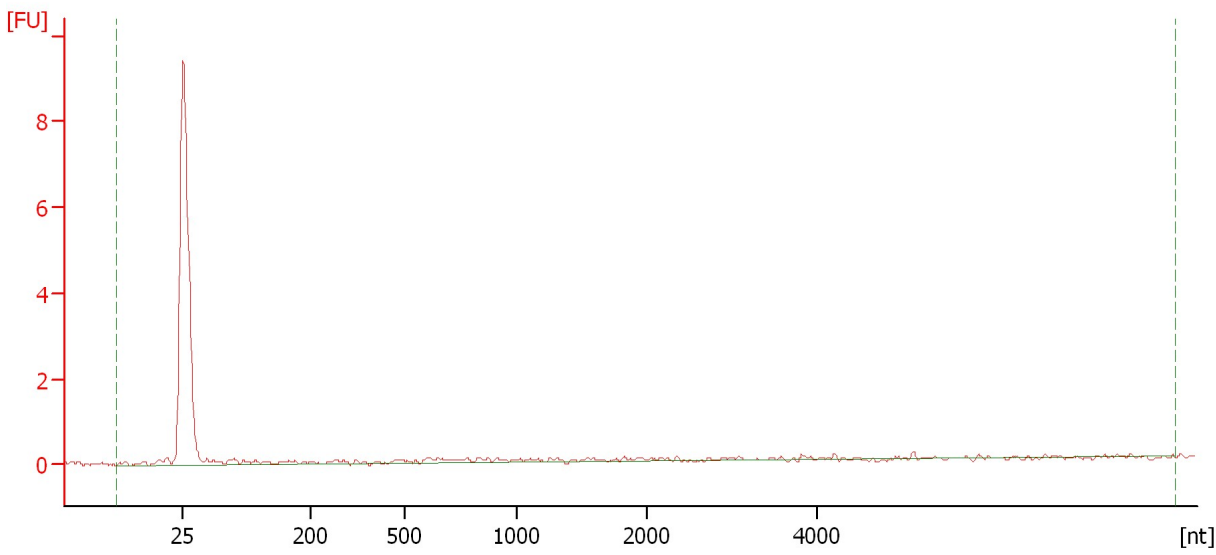
RNA Area:	7.4	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	53 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Electropherogram Summary Continued ...

HL60 tb p2 scr exp 3 [QC 499 3]



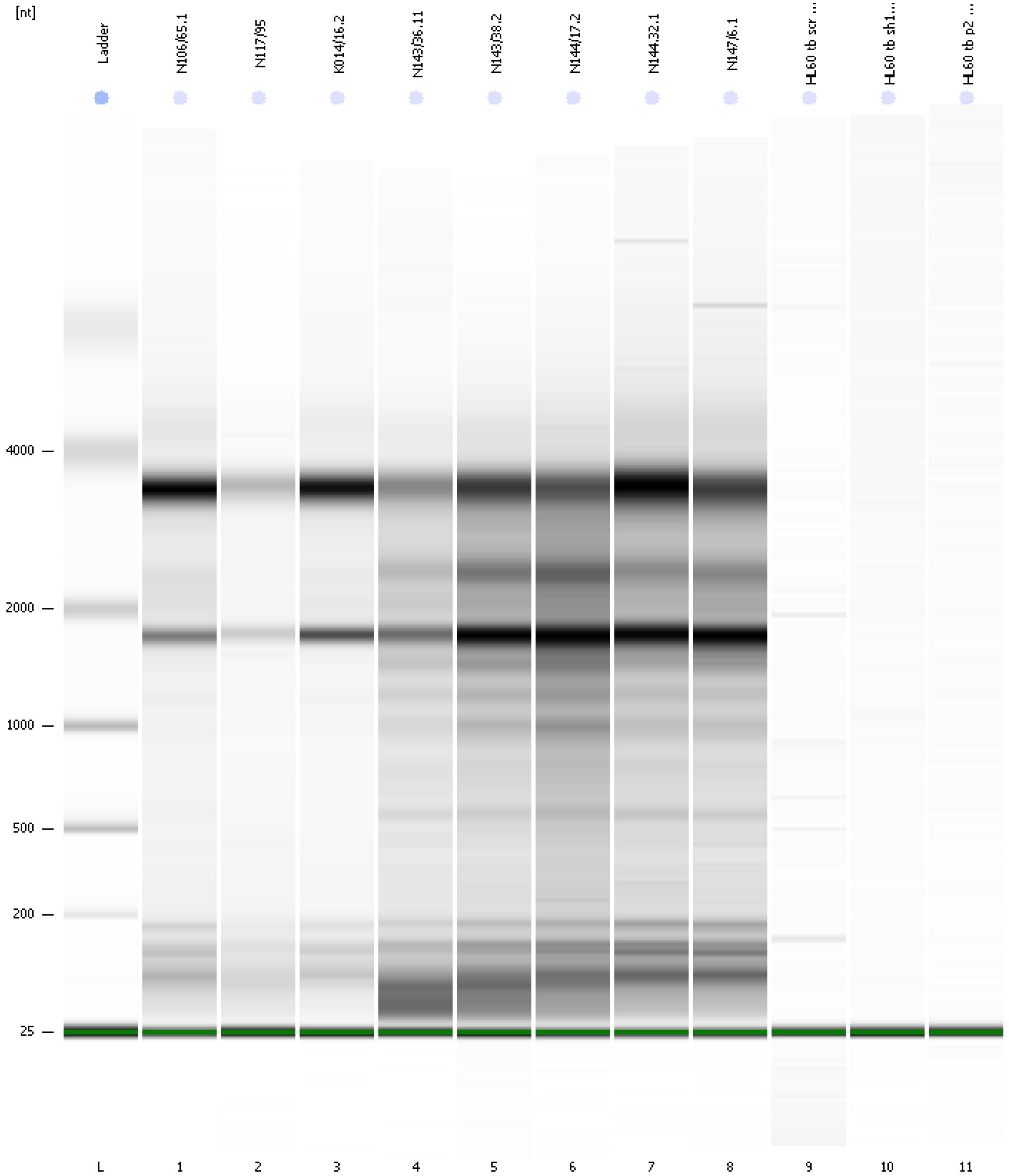
Overall Results for sample 11 : HL60 tb p2 scr exp 3

RNA Area:	3.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	23 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
Modified: 10/22/2019 12:55:16 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...r\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad

Created: 10/22/2019 11:20:08 AM
 Modified: 10/22/2019 12:55:16 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/22/2019 11:43:03 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-10-21\2019-10-22\2019-10-22_001.xad)		Instrument	Run		10/22/2019 11:20:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		10/22/2019 11:20:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/22/2019 11:20:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/22/2019 11:20:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		10/22/2019 11:20:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/22/2019 11:20:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/22/2019 11:20:14 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1