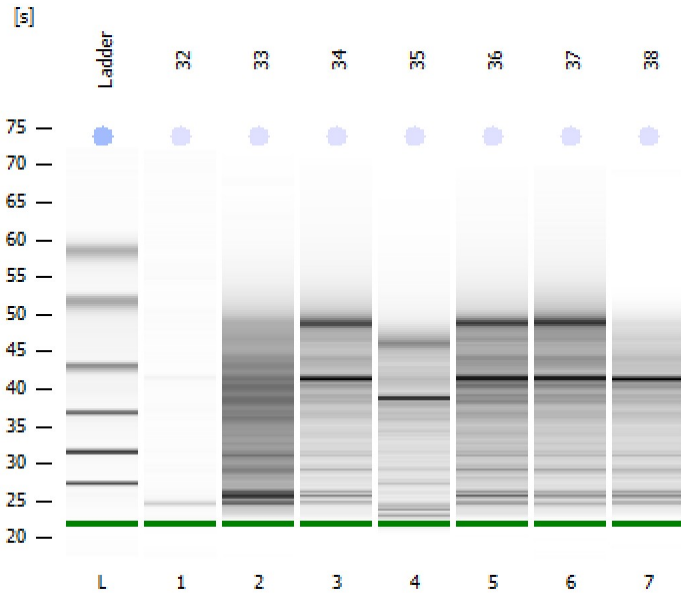


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 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 (x86)\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)

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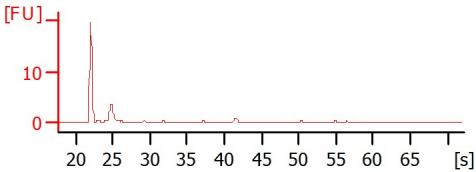
Chip Information:

Chip Lot #:

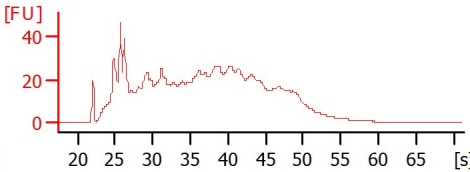
Reagent Kit Lot #:

Chip Comments:

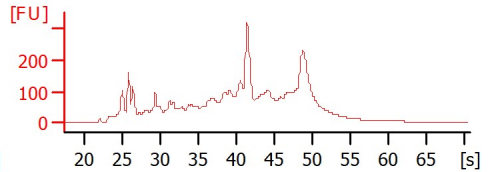
QC0609
RIN: 2.30



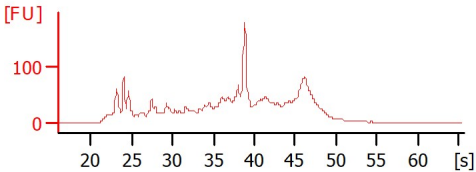
QC0609
RIN: 2.40



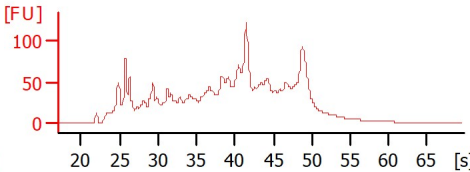
QC0609
RIN: 5.30



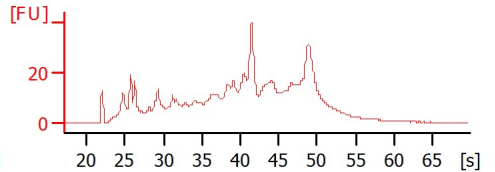
QC0609
RIN: 6.10



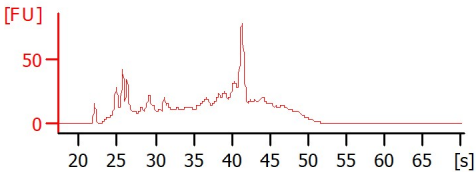
QC0609
RIN: 4.20



QC0609
RIN: 4.70



QC0609
RIN: 3.90



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
 Modified: 7/16/2020 5:49:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
32	QC0609	✓	RIN: 2.30	
33	QC0609	✓	RIN: 2.40	
34	QC0609	✓	RIN: 5.30	
35	QC0609	✓	RIN: 6.10	
36	QC0609	✓	RIN: 4.20	
37	QC0609	✓	RIN: 4.70	
38	QC0609	✓	RIN: 3.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 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

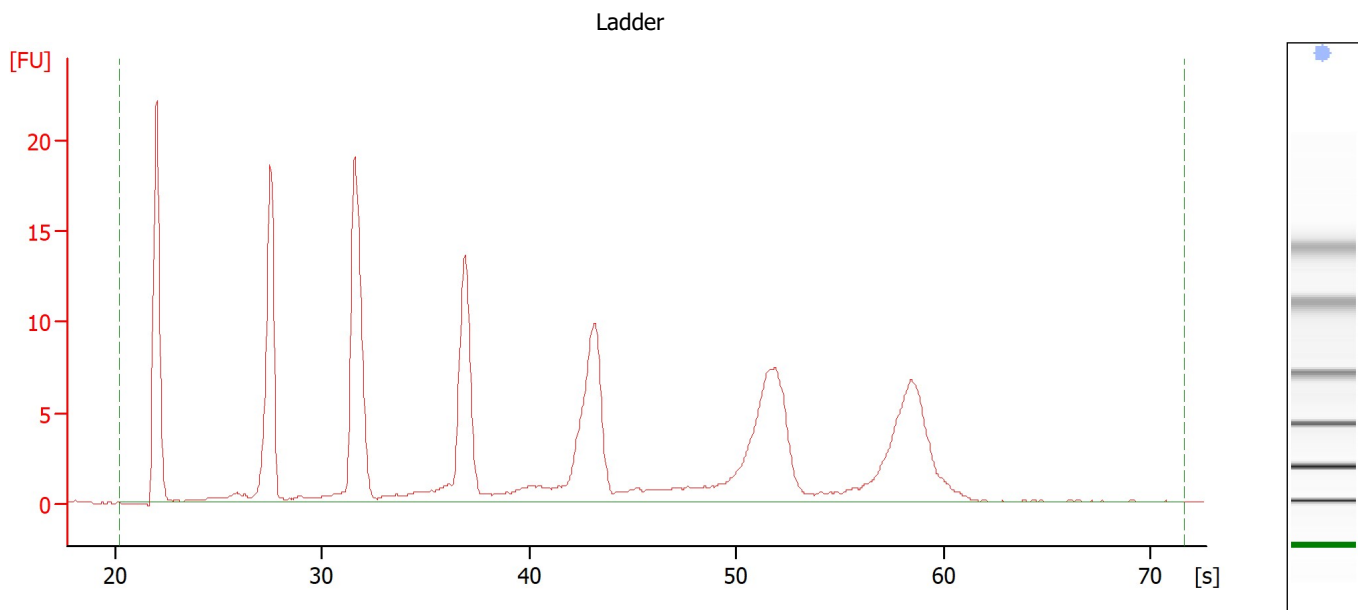
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 PM

Electropherogram Summary



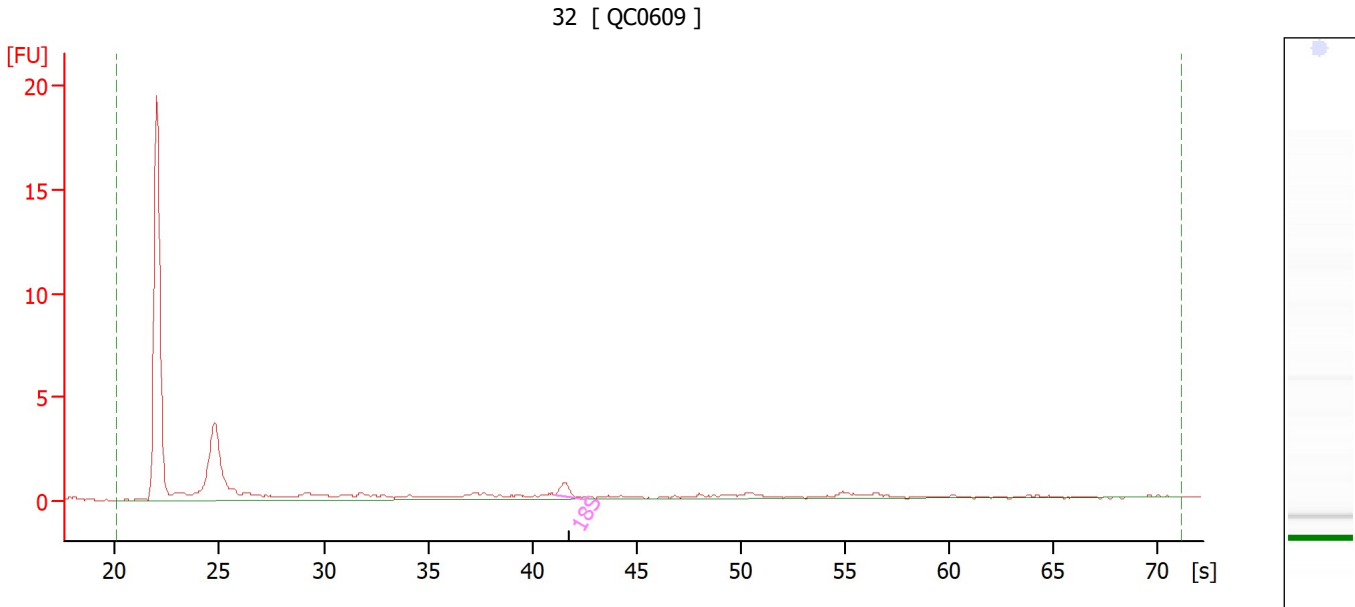
Overall Results for Ladder

RNA Area:	192.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 32

RNA Area:	26.4	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	137 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

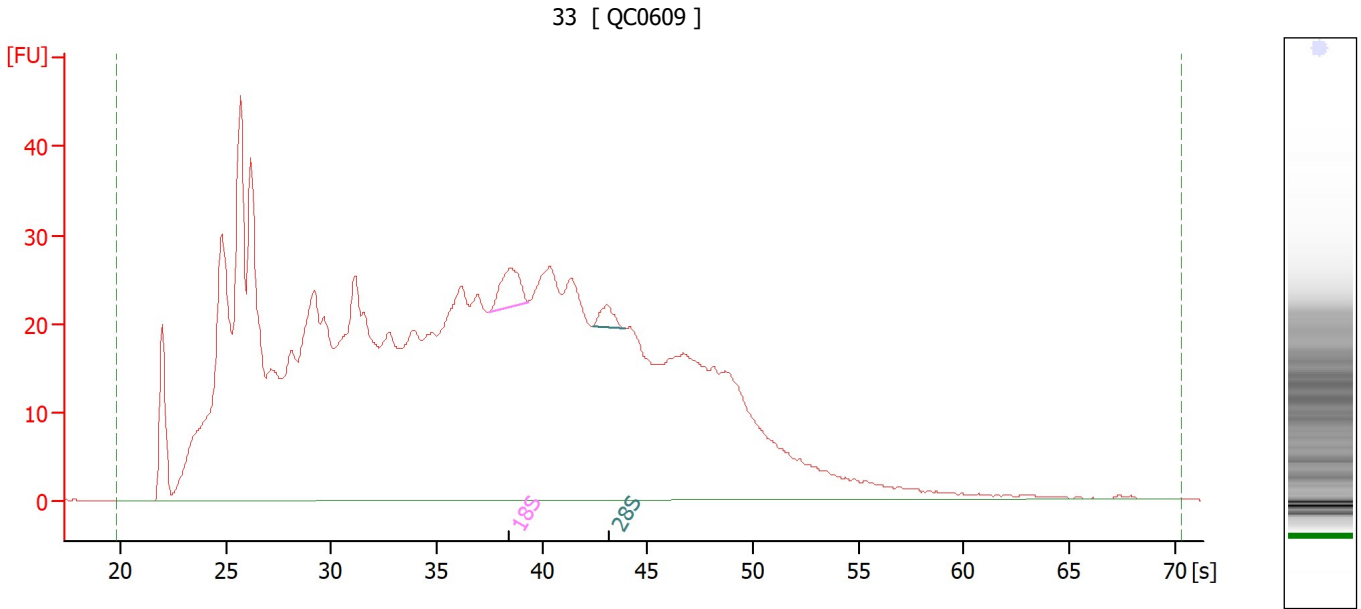
Fragment table for sample 1 : 32

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.06	42.40	0.8	3.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 33

RNA Area: 1,555.0 RNA Integrity Number (RIN): 2.4 (B.02.10)
RNA Concentration: 8,072 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 2.40

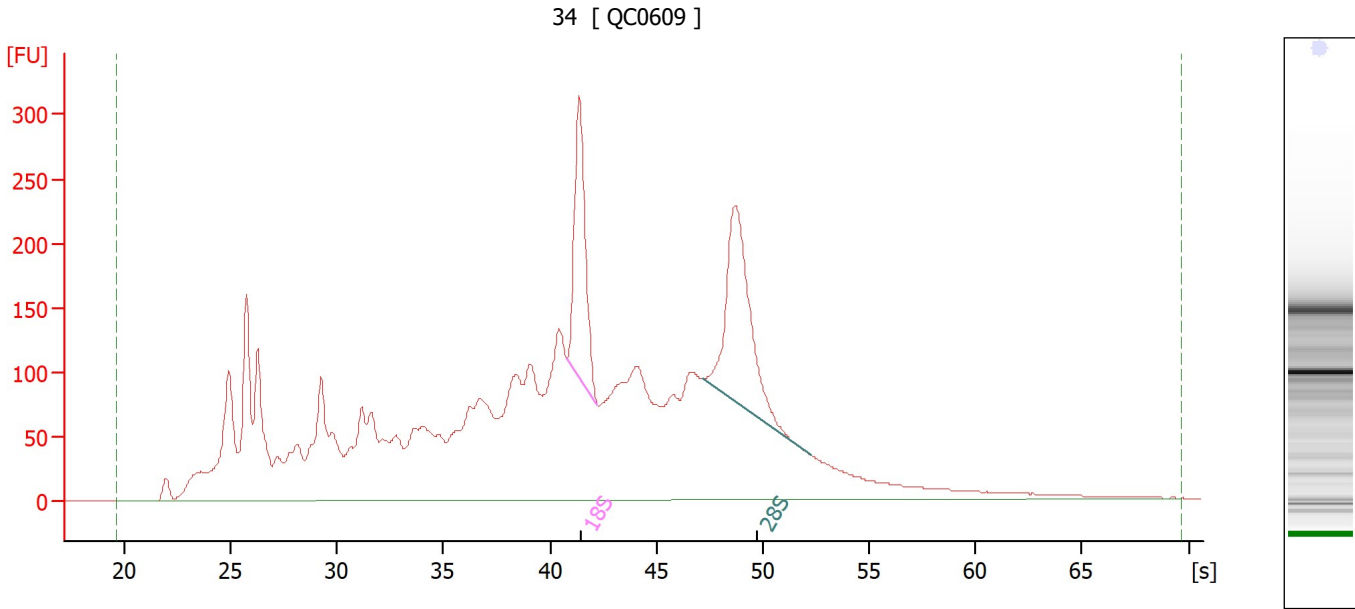
Fragment table for sample 2 : 33

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	37.48	39.37	11.7	0.8
28S	42.37	43.90	4.3	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 34

RNA Area:	6,213.5	RNA Integrity Number (RIN):	5.3 (B.02.10)
RNA Concentration:	32,255 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 5.30

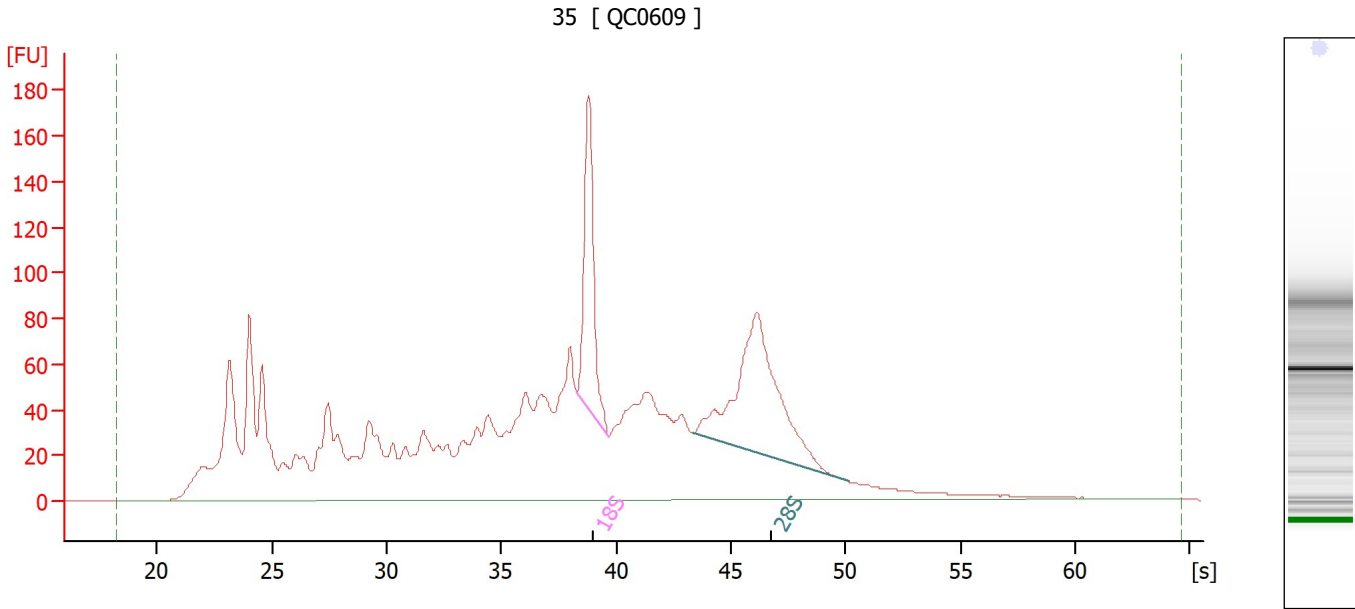
Fragment table for sample 3 : 34

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.82	42.23	306.3	4.9
28S	47.18	52.28	409.7	6.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 35

RNA Area:	2,837.4	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	14,730 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 6.10

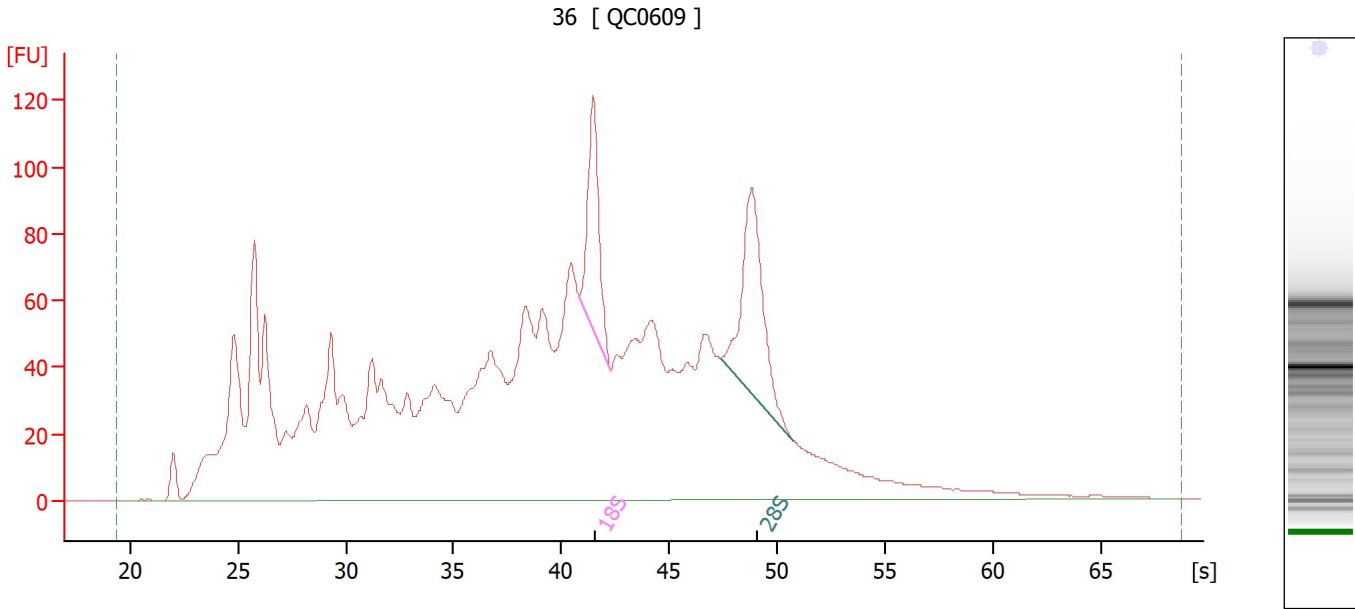
Fragment table for sample 4 : 35

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.24	39.65	164.1	5.8
28S	43.34	50.13	280.3	9.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 36

RNA Area:	3,145.9	RNA Integrity Number (RIN):	4.2 (B.02.10)
RNA Concentration:	16,331 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 4.20

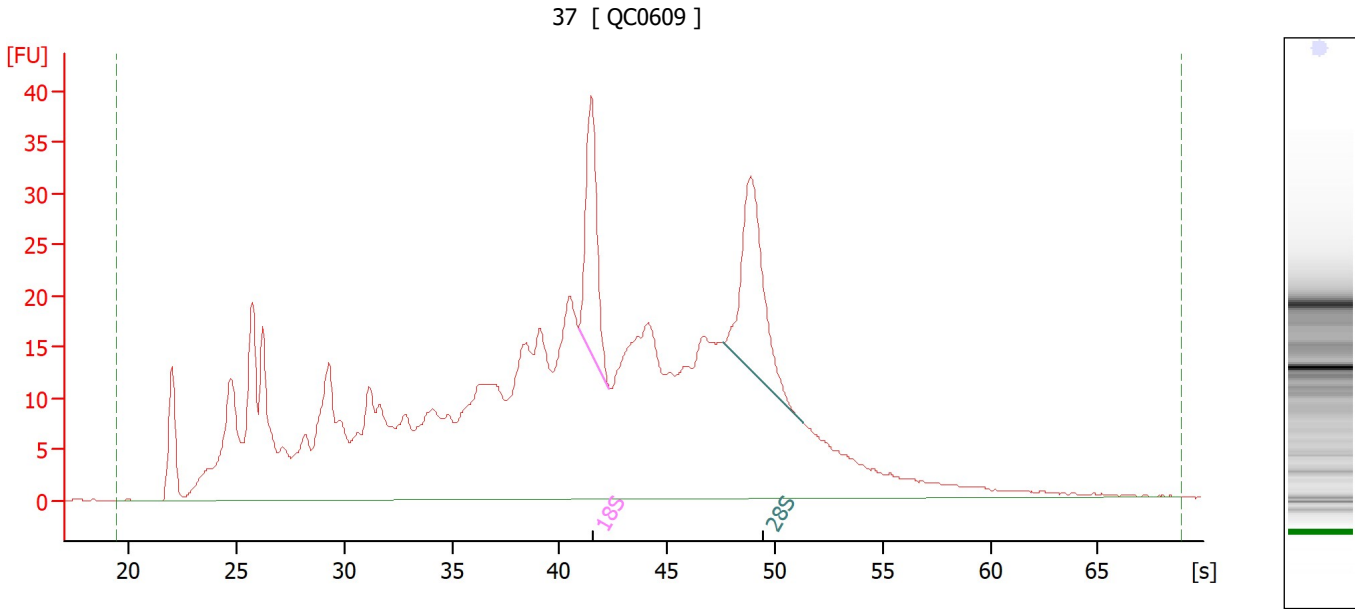
Fragment table for sample 5 : 36

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.81	42.26	98.0	3.1
28S	47.38	50.72	139.4	4.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 37

RNA Area:	927.5	RNA Integrity Number (RIN):	4.7 (B.02.10)
RNA Concentration:	4,815 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 4.70

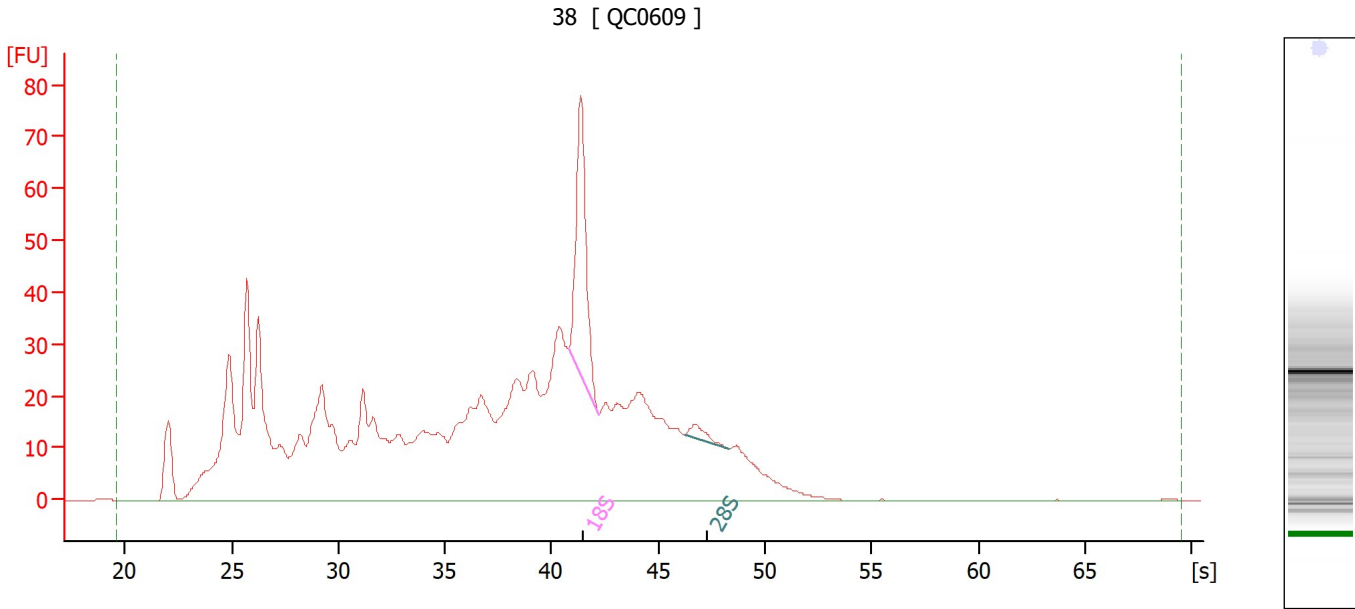
Fragment table for sample 6 : 37

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.86	42.30	35.6	3.8
28S	47.59	51.28	46.0	5.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 38

RNA Area: 1,282.1 RNA Integrity Number (RIN): 3.9 (B.02.10)
RNA Concentration: 6,656 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 3.90

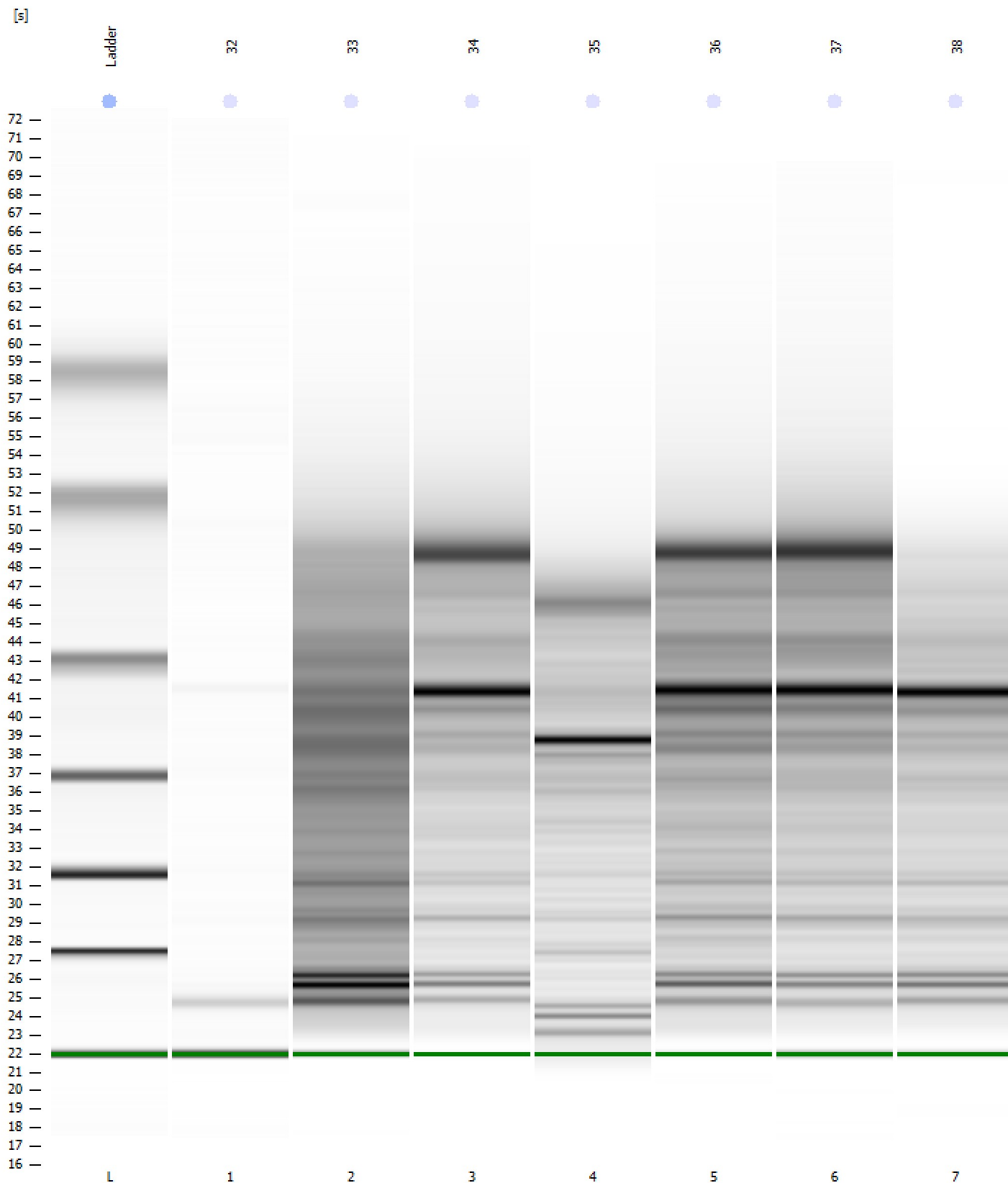
Fragment table for sample 7 : 38

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.78	42.19	71.2	5.6
28S	46.22	48.28	5.5	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
Modified: 7/16/2020 5:49:39 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\XADs\2020-07-16\QC0609_3.xad

Created: 7/16/2020 5:30:34 PM
 Modified: 7/16/2020 5:49:39 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		7/16/2020 5:48:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-07-16\Bioanalyze_r1_Eukaryote Total RNA Pico_2020-07-16_008.xad)		Instrument	Run		7/16/2020 5:30:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/16/2020 5:30:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/16/2020 5:30:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/16/2020 5:30:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/16/2020 5:30:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/16/2020 5:30:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/16/2020 5:30:35 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB