

Alcohol Analysis QC Summary

Report Date	3/5/2015
Reviewer	Brett Kirkland

Run Summary Data		Ethanol				n-Propanol			
Run Date	Channel	Sample	Lot	RT	Area	Conc.	RT	Area	Conc.
3/5/2015	A	Vols Mix	041513dkr	1.397	15837.08	0.040	1.397	287708.37	0.000
3/5/2015	A	Blank			0.00		1.998	287192.30	
3/5/2015	A	CER 025	FN032210-01	1.398	10092.45	0.025	1.998	288781.40	0.025
3/5/2015	A	CER 100	FN050312-01	1.397	40383.01	0.101	1.998	288808.04	0.101
3/5/2015	A	CER 200	FN032712-01	1.422	80452.15	0.202	2.021	286594.80	0.202
3/5/2015	A	CER 400	FN012712-01	1.422	161882.87	0.400	2.021	287187.97	0.400
3/5/2015	A	Cerilliant 50	FN010112-01	1.423	20271.04	0.050	2.021	288175.71	0.050
3/5/2015	A	2418	201502G	1.423	39177.84	0.097	2.021	287261.02	0.097
3/5/2015	A	2421	201502G	1.397	38572.81	0.097	1.998	282294.30	0.097
3/5/2015	A	2419	201502G	1.394	38877.57	0.097	1.995	285309.43	0.097
3/5/2015	A	2422	201502G	1.397	38814.18	0.097	1.998	284128.25	0.097
3/5/2015	A	2420	201502G	1.423	38584.73	0.098	2.021	281758.92	0.098
3/5/2015	A	2423	201502G	1.397	38427.93	0.097	1.997	281492.10	0.097
3/5/2015	A	2378	201502G	1.397	38991.28	0.097	1.997	285419.82	0.097
3/5/2015	A	2376	201502G	1.397	37746.63	0.097	1.998	276437.52	0.097
3/5/2015	A	2380	201502G	1.397	38254.68	0.097	1.997	281170.08	0.097
3/5/2015	A	2379	201502G	1.397	39049.53	0.097	1.997	285780.71	0.097
3/5/2015	A	Cerilliant 100	FN050312-01	1.397	39198.14	0.100	1.998	280112.57	0.100
3/5/2015	A	2418	201502G	1.422	38700.74	0.097	2.020	284556.06	0.097
3/5/2015	A	2421	201502G	1.397	38276.28	0.097	1.998	280152.91	0.097
3/5/2015	A	2419	201502G	1.397	39247.92	0.097	1.998	289058.35	0.097
3/5/2015	A	2422	201502G	1.397	38931.82	0.097	1.998	286712.43	0.097
3/5/2015	A	2420	201502G	1.397	38044.88	0.097	1.998	278500.50	0.097
3/5/2015	A	2423	201502G	1.394	38572.45	0.097	1.995	283070.05	0.097
3/5/2015	A	2378	201502G	1.397	39181.67	0.097	1.998	287645.64	0.097
3/5/2015	A	2376	201502G	1.397	38622.83	0.097	1.998	283916.44	0.097
3/5/2015	A	2380	201502G	1.397	39386.25	0.097	1.998	290916.84	0.097
3/5/2015	A	2379	201502G	1.397	39361.64	0.097	1.997	290762.53	0.097
3/5/2015	A	Cerilliant 300	N09061305	1.397	122763.78	0.298	1.997	293007.32	0.298

updated 11/19/2015

*ASAM*  
*BK*

Loadlist-Alcohol Reference Solution Verification

Location	Sample
1	Volatiles Mix
2	Blank
3	Cerilliant 025
4	Cerilliant 100
5	Cerilliant 200
6	Cerilliant 400
7	Cerilliant 50
8	2418
9	2421
10	2419
11	2422
12	2420
13	2423
14	2378
15	2376
16	2380
17	2379
18	Cerilliant 100
19	2418
20	2421
21	2419
22	2422
23	2420
24	2423
25	2378
26	2376
27	2380
28	2379
29	Cerilliant 300
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	

Instrument Parameters			
Sample Temp	60	C	✓
Needle Temp	70	C	✓
Transfer Temp	80	C	✓
Thermostat time	15	min	✓
Pressurization time	2.0	min	✓
Withdraw time	0.1	min	✓
Injection Time	0.03	min	✓
Cycle Time	4.5	min	✓
inlet temp	90	C	✓
Carrier pressure	15	psi	✓
Column oven temp	55	C	✓
Run Time	5.0	min	✓
FID Temp	200	C	✓
Hydrogen Flow	45	mL/min	✓
Air Flow	450	mL/min	✓
Helium Flow	15	mL/min	✓

Reagents, Calibrators and Controls

Materials	Lot	Exp. Date
Internal Standard	bhk123014	na
Volatiles Mixture	041513dkr	na
Cerilliant 025	FN081712-01	08/2017
Cerilliant 100	FN050312-01	05/2017
Cerilliant 200	FN032712-01	03/2017
Cerilliant 400	FN012712-01	01/2017
Cerilliant 50	FN010912-01	01/2017
Cerilliant 100*	FN050312-01	05/2017
Cerilliant 300	FN09061305	10/2018

\*separate ampule

Reference Solution

Level Tested:	0.08 g/210L
Lot #:	201502G
Manufacture Date:	2/24/2015
Expiration Date	2/24/2017

Operator:                     

Date:

Alcohol Analysis QC Summary

Report Date 3/5/2015

BK

Reviewer Brett Kirkland

Run Summary Data			Ethanol				n-Propanol				
Run Date	Channel	Sample	Lot	RT	Area	Conc.	RT	Area	Conc.	RT	Area
3/5/2015	A	Vols Mix	041513dkr	1.397	15837.08	0.040	1.997	287708.37			
3/5/2015	A	Blank									
3/5/2015	A	CER 025	FN032210-01	1.398	10092.45	0.025	1.998	288781.40			
3/5/2015	A	CER 100	FN050312-01	1.397	40383.01	0.101	1.998	288808.04			
3/5/2015	A	CER 200	FN032712-01	1.422	80452.15	0.202	2.021	286594.80			
3/5/2015	A	CER 400	FN012712-01	1.422	161882.87	0.400	2.021	287187.97			
3/5/2015	A	Cerilliant 50	FN010112-01	1.423	20271.04	0.050	2.021	288175.71			
3/5/2015	A	2418	201502G	1.423	39177.84	0.097	2.021	287261.02			
3/5/2015	A	2421	201502G	1.397	38572.81	0.097	1.998	282294.30			
3/5/2015	A	2419	201502G	1.394	38877.57	0.097	1.995	285309.43			
3/5/2015	A	2422	201502G	1.397	38814.18	0.097	1.998	284128.25			
3/5/2015	A	2420	201502G	1.423	38584.73	0.098	2.021	281758.92			
3/5/2015	A	2423	201502G	1.397	38427.93	0.097	1.997	281492.10			
3/5/2015	A	2378	201502G	1.397	38991.28	0.097	1.997	285419.82			
3/5/2015	A	2376	201502G	1.397	37746.63	0.097	1.998	276437.52			
3/5/2015	A	2380	201502G	1.397	38254.68	0.097	1.997	281170.08			
3/5/2015	A	2379	201502G	1.397	39049.53	0.097	1.997	285780.71			
3/5/2015	A	Cerilliant 100	FN050312-01	1.397	39198.14	0.100	1.998	280112.57			
3/5/2015	A	2418	201502G	1.422	38700.74	0.097	2.020	284556.06			
3/5/2015	A	2421	201502G	1.397	38276.28	0.097	1.998	280152.91			
3/5/2015	A	2419	201502G	1.397	39247.92	0.097	1.998	289058.35			
3/5/2015	A	2422	201502G	1.397	38931.82	0.097	1.998	286712.43			
3/5/2015	A	2420	201502G	1.397	38044.88	0.097	1.998	278500.50			
3/5/2015	A	2423	201502G	1.394	38572.45	0.097	1.995	283070.05			
3/5/2015	A	2378	201502G	1.397	39181.67	0.097	1.998	287645.64			
3/5/2015	A	2376	201502G	1.397	38622.83	0.097	1.998	283916.44			
3/5/2015	A	2380	201502G	1.397	39386.25	0.097	1.998	290916.84			
3/5/2015	A	2379	201502G	1.397	39361.64	0.097	1.997	290762.53			
3/5/2015	A	Cerilliant 300	N09061305	1.397	122763.78	0.298	1.997	293007.32			

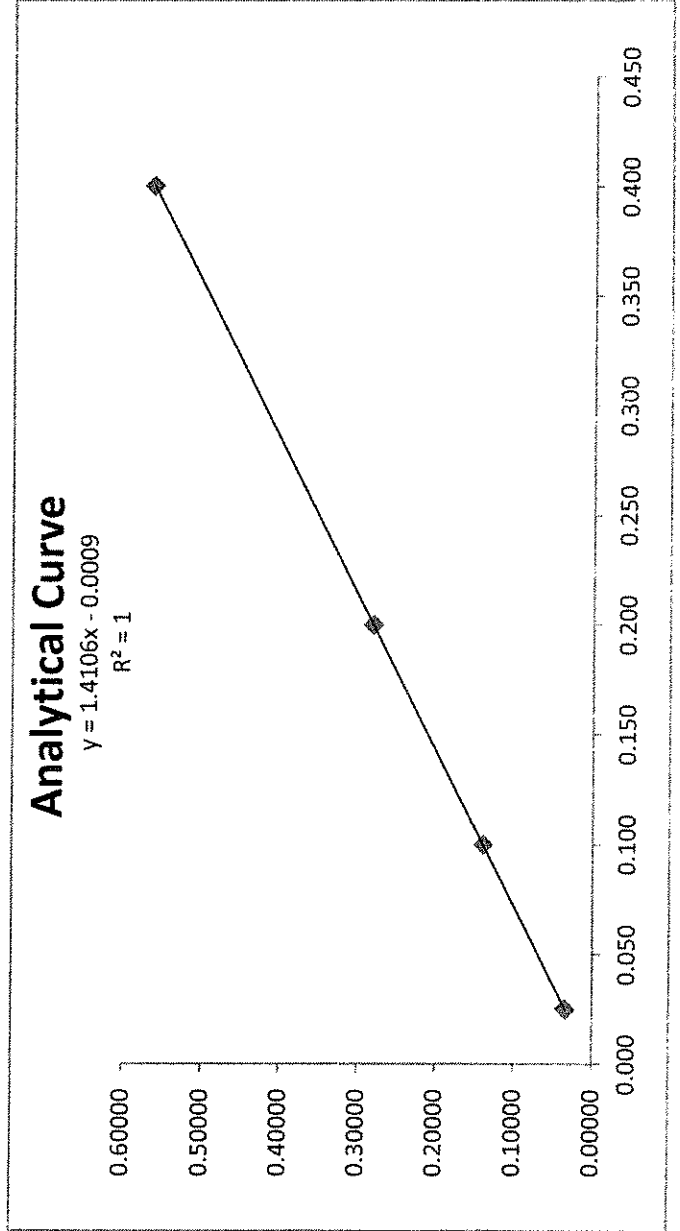
ALCOHOL ANALYSIS QC SUMMARY

Report Date	3/5/2015
Reviewer	Brett Kirkland

BK

RUN SUMMARY DATA				Ethanol			n-Propanol		
Run Date	Channel	Sample	Lot	RT	Area	Conc.	RT	Area	
3/5/2015	A	CER 025	FN032210-01	1.398	10092.45	0.025	1.998	288781.40	
3/5/2015	A	CER 100	FN050312-01	1.397	40383.01	0.101	1.998	288808.04	
3/5/2015	A	CER 200	FN032712-01	1.422	80452.15	0.202	2.021	286594.80	
3/5/2015	A	CER 400	FN012712-01	1.422	161882.9	0.400	2.021	287187.97	

Summary	Standard	g/dL	Ratio	Calc.	Diff
	Blank	0.000	0.00000	0.00000	0.00000
Slope	1.4106	0.025	0.03495	0.02540	0.00040
Intercept	-0.0009	0.100	0.13983	0.09975	-0.00025
Standard Error	0.000640135	0.200	0.28072	0.19963	-0.00037
R-Squared	1.0000	0.400	0.56368	0.40022	0.00022



Source: Alcohol Countermeasure Systems, Inc.

Lot	201502G
Level	0.08 g/210L
Manufacture Date	2/24/2015
Expiration Date	2/24/2017

BK

Bottle	Result (g/100mL)
2418	0.097
	0.097
2421	0.097
	0.097
2419	0.097
	0.097
2422	0.097
	0.097
2420	0.098
	0.097
2423	0.097
	0.097
2378	0.097
	0.097
2376	0.097
	0.097
2380	0.097
	0.097
2379	0.097
	0.097

Mean	0.09705
Std. Dev.	0.000223607
Min	0.097
Max	0.098

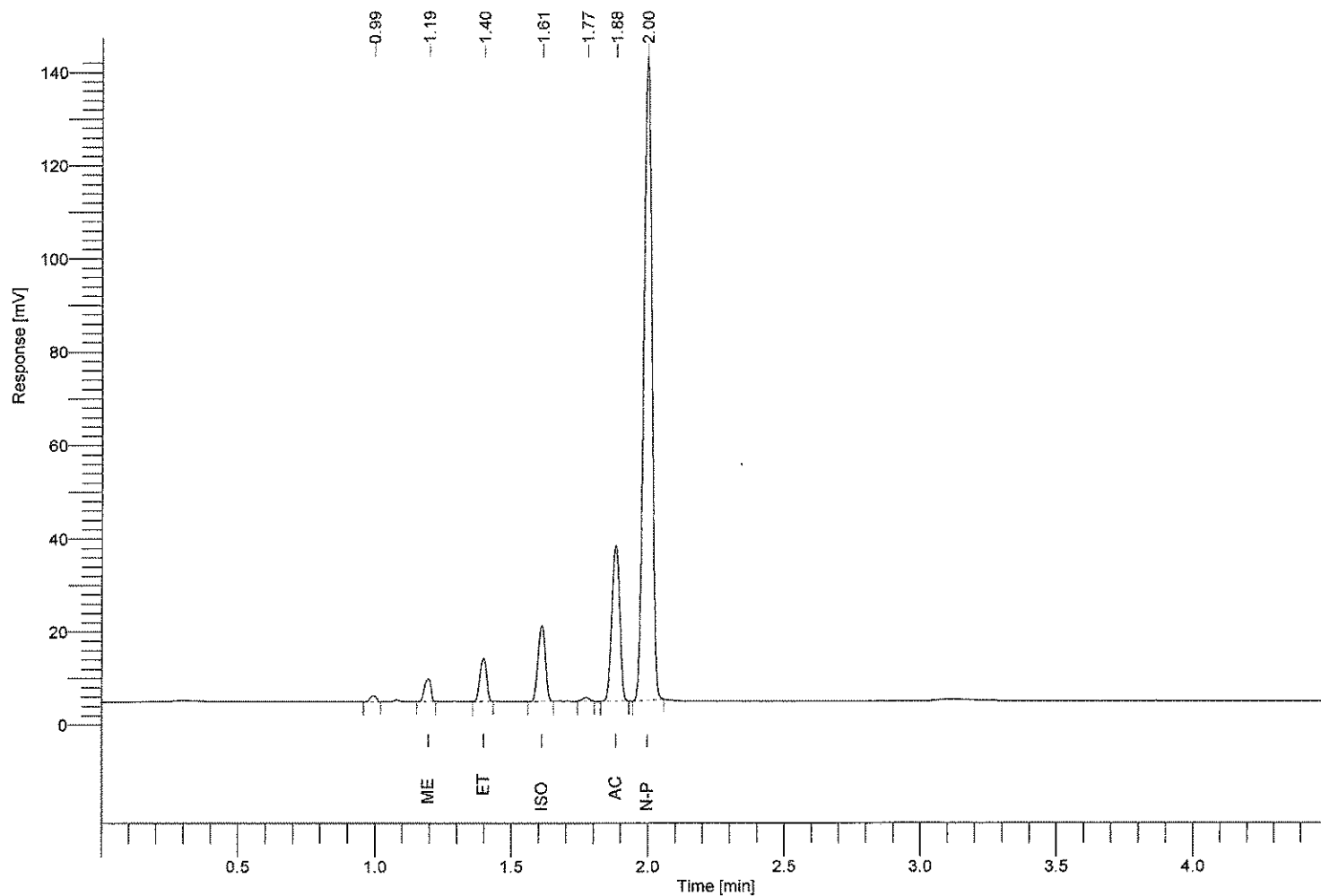


Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 859  
 Sample Name : Volatile Mix  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 1

Date : 3/5/2015 11:28:16 AM  
 Data Acquisition Time : 3/5/2015 11:23:35 AM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

B1K

Result File : c:\totalchrom data\03052015\data001.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.194	0.598	8109.93	0.040
ethanol	1.397	0.699	15837.08	0.040
isopropanol	1.610	0.806	30781.69	0.040
acetone	1.882	0.942	66971.56	0.040
n-propanol	1.997	1.000	287708.37	-----

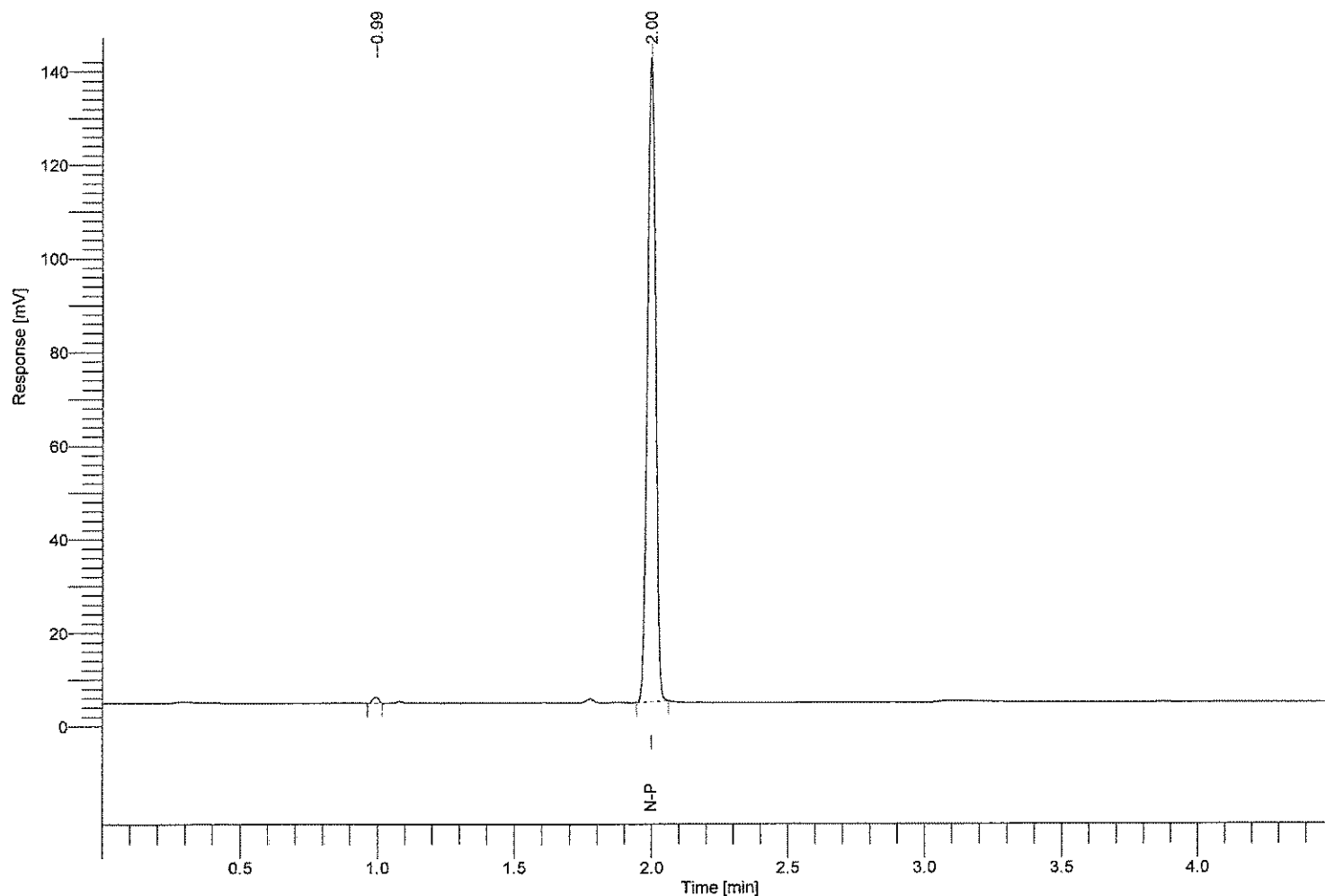
Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 860  
 Sample Name : Blank  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 2

Date : 3/5/2015 11:33:16 AM  
 Data Acquisition Time : 3/5/2015 11:28:35 AM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

BK

Result File : c:\totalchrom data\03052015\data001-20150305-113315.rst

Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



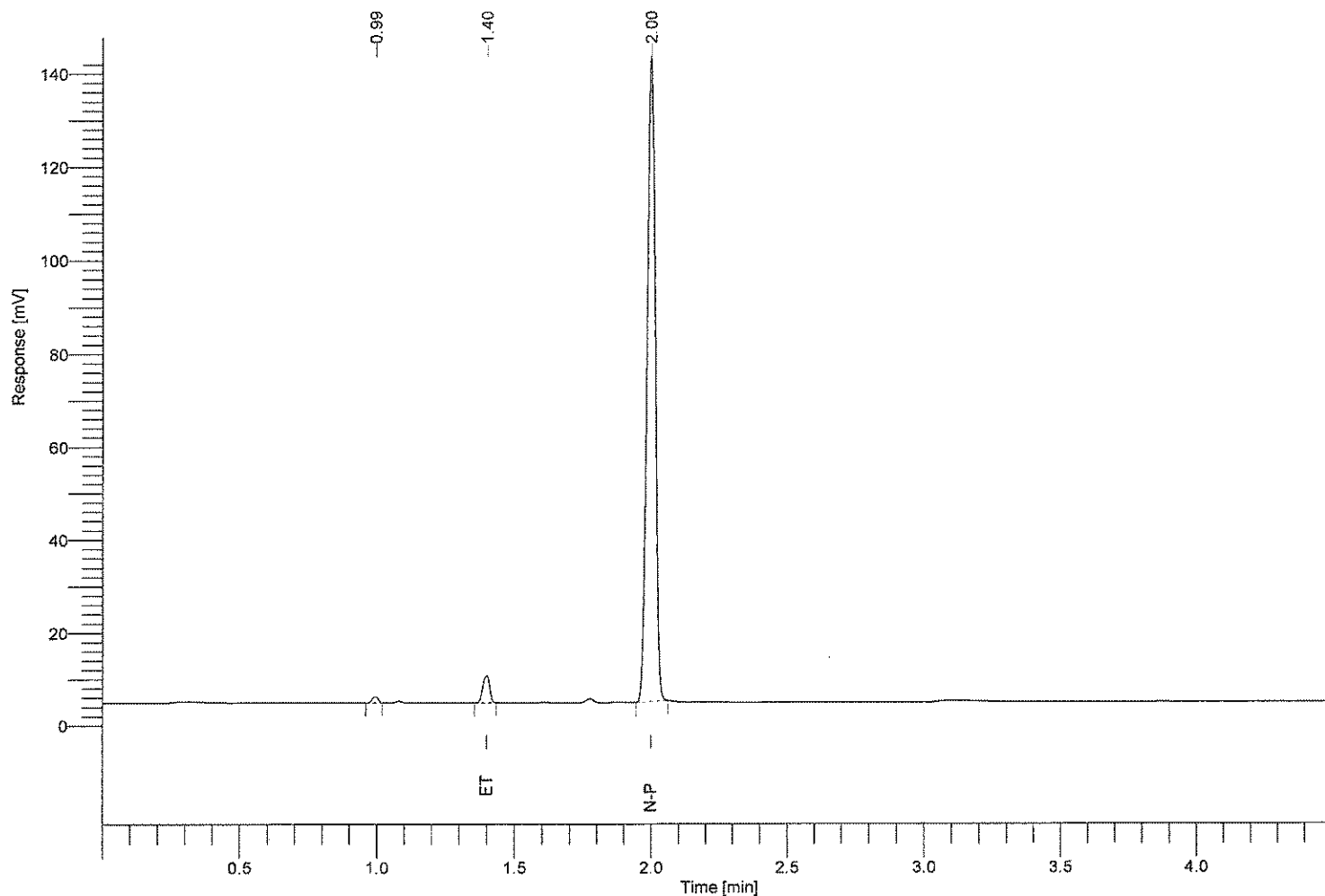
Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.420	----	0.00	0.000
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	1.998	1.000	287192.30	-----



Software Version : 6.3.2.0646  
Reprocess Number : gc-pc: 861  
Sample Name : CER 025  
Instrument Name : ClarusGC  
Rack/Vial : 0/0  
Sample Amount : 1.000000  
Cycle : 3

Date : 3/5/2015 11:38:17 AM *BK*  
Data Acquisition Time : 3/5/2015 11:33:35 AM  
Channel : A  
Operator : manager  
Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-113816.rst  
Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

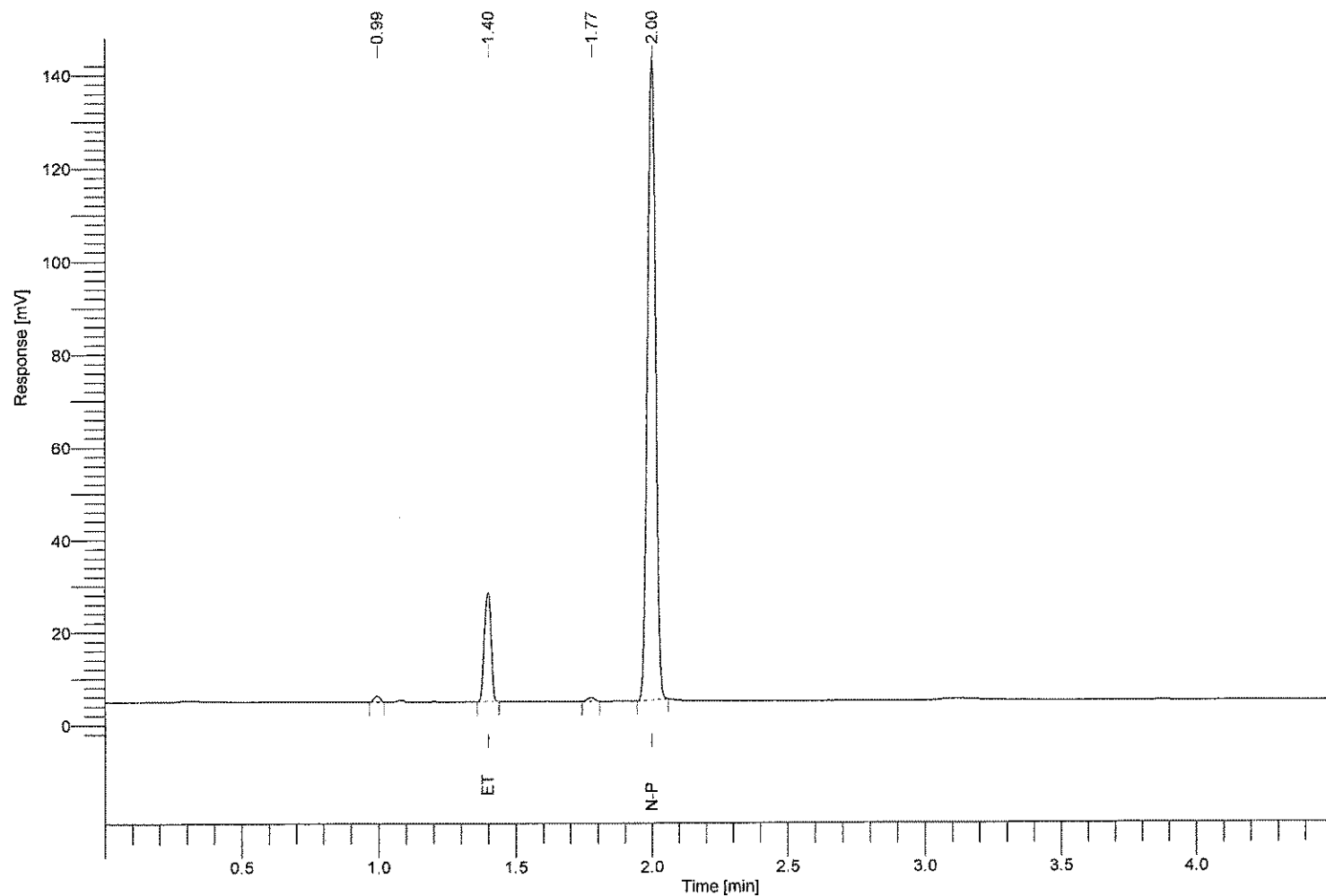


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.398	0.700	10092.45	0.025
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	288781.40	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 862  
 Sample Name : CER 100  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 4

Date : 3/5/2015 11:43:16 AM  
 Data Acquisition Time : 3/5/2015 11:38:34 AM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-114315.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

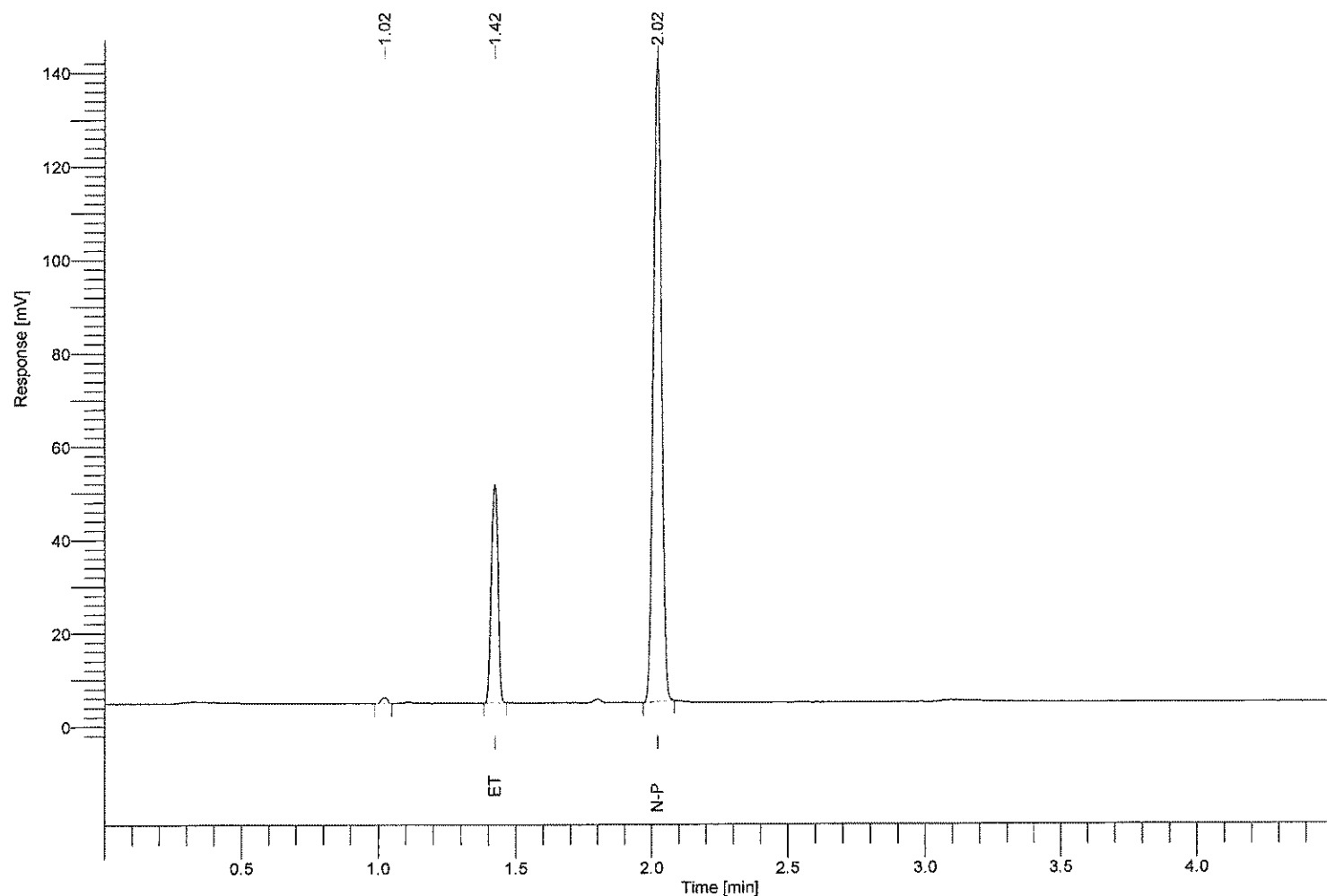


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	40383.01	0.101
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	288808.04	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 863  
 Sample Name : CER 200  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 5

Date : 3/5/2015 11:48:17 AM *BK*  
 Data Acquisition Time : 3/5/2015 11:43:34 AM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-114817.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

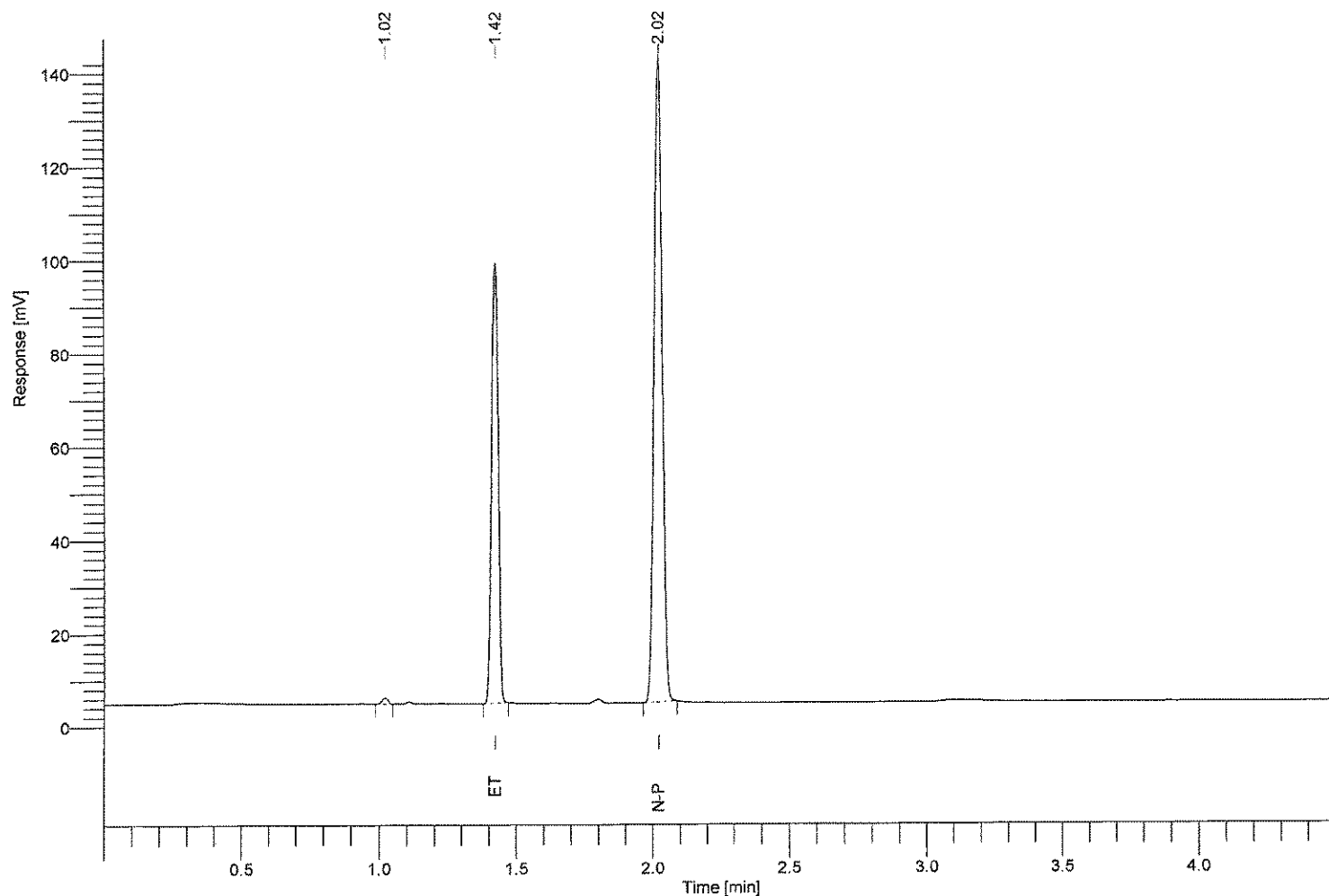


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.422	0.704	80452.15	0.202
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	286594.80	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 864  
 Sample Name : CER 400  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 6

Date : 3/5/2015 11:53:16 AM *BK*  
 Data Acquisition Time : 3/5/2015 11:48:34 AM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-115315.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

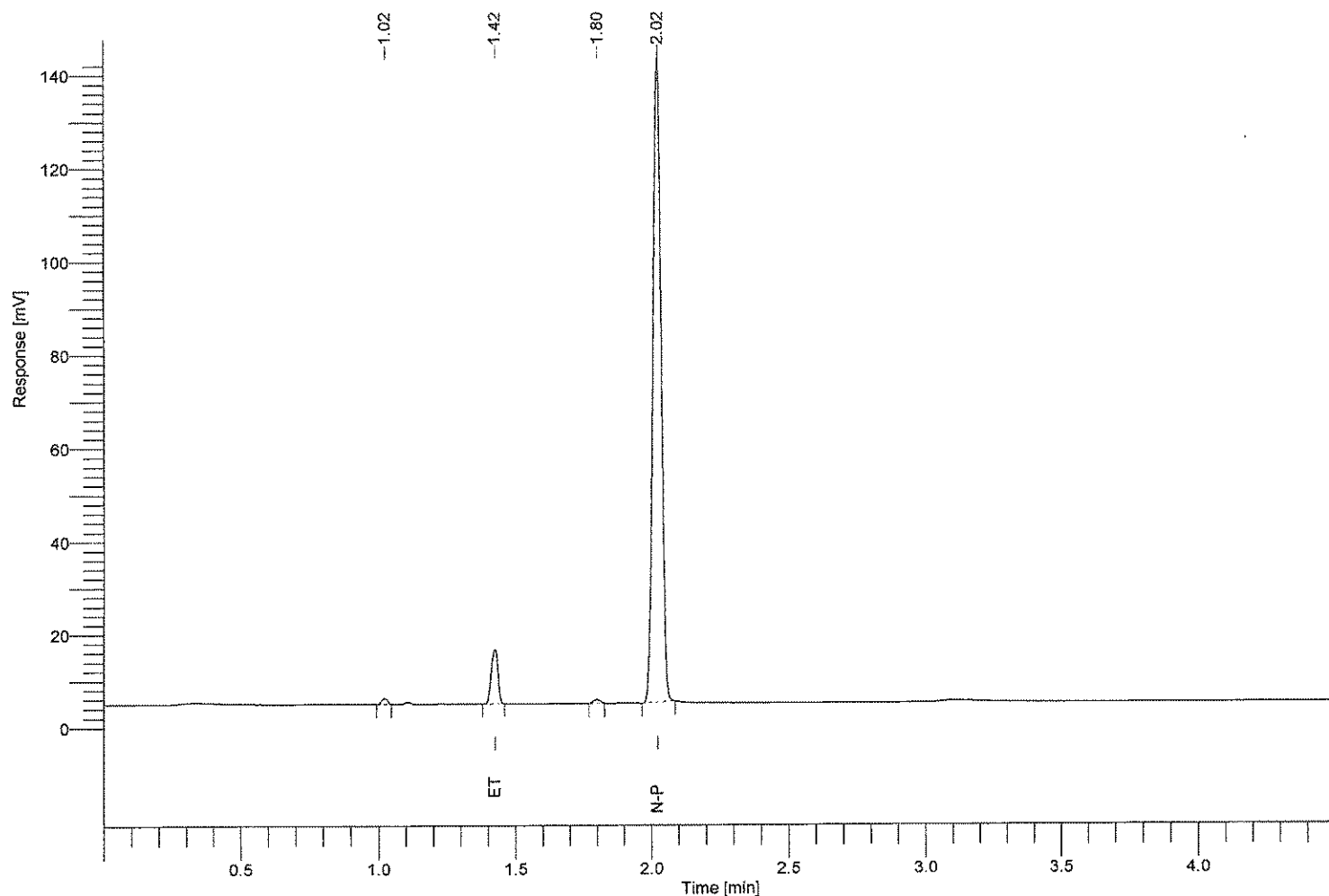


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.422	0.704	161882.87	0.400
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	287187.97	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 865  
 Sample Name : CER 50  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 7

Date : 3/5/2015 11:58:17 AM *BK*  
 Data Acquisition Time : 3/5/2015 11:53:34 AM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-115816.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

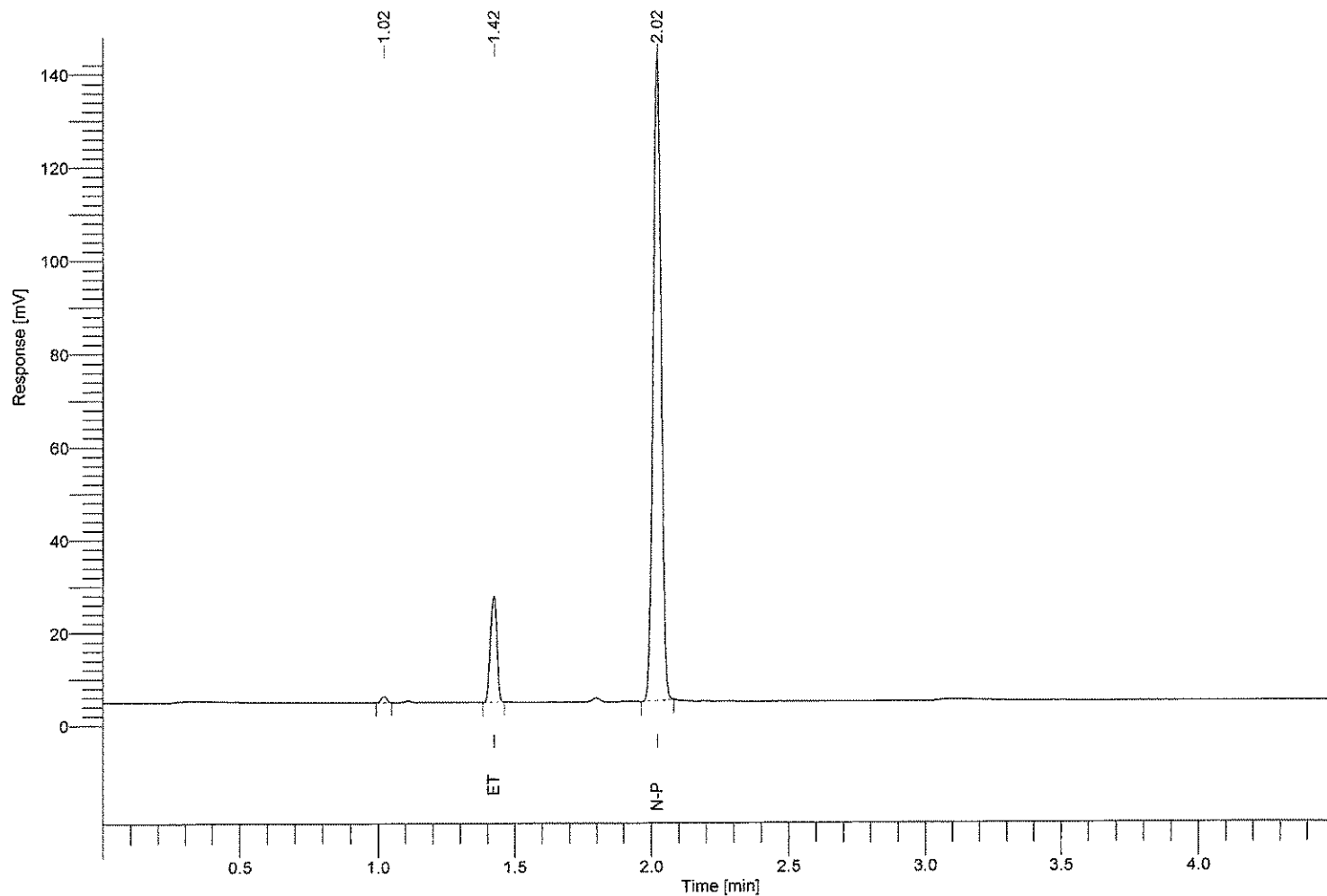


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	20271.04	0.050
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	288175.71	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 866  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 8

Date : 3/5/2015 12:03:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 11:58:34 AM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-120317.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

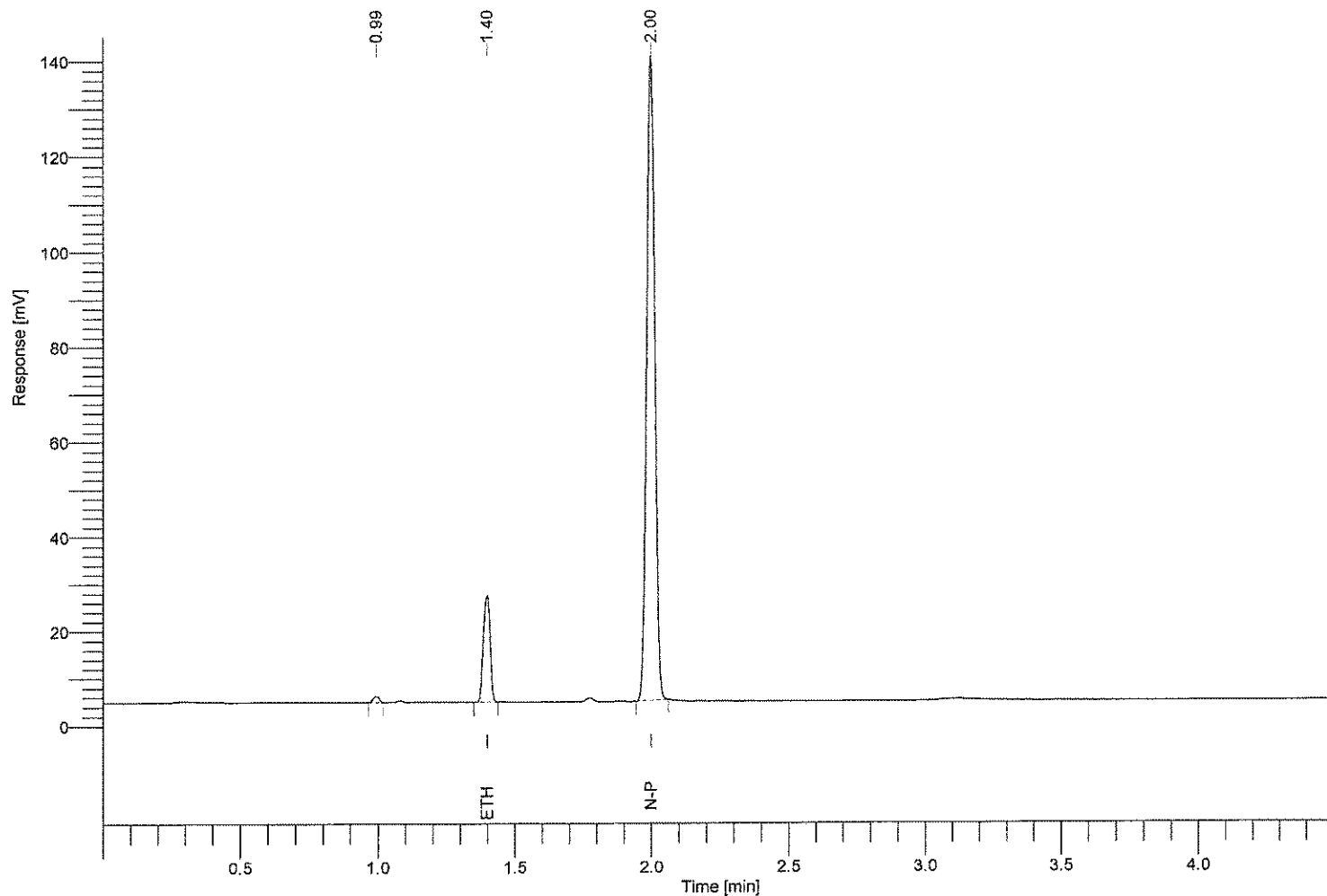


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	39177.84	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	287261.02	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 867  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 9

Date : 3/5/2015 12:08:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 12:03:34 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-120816.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

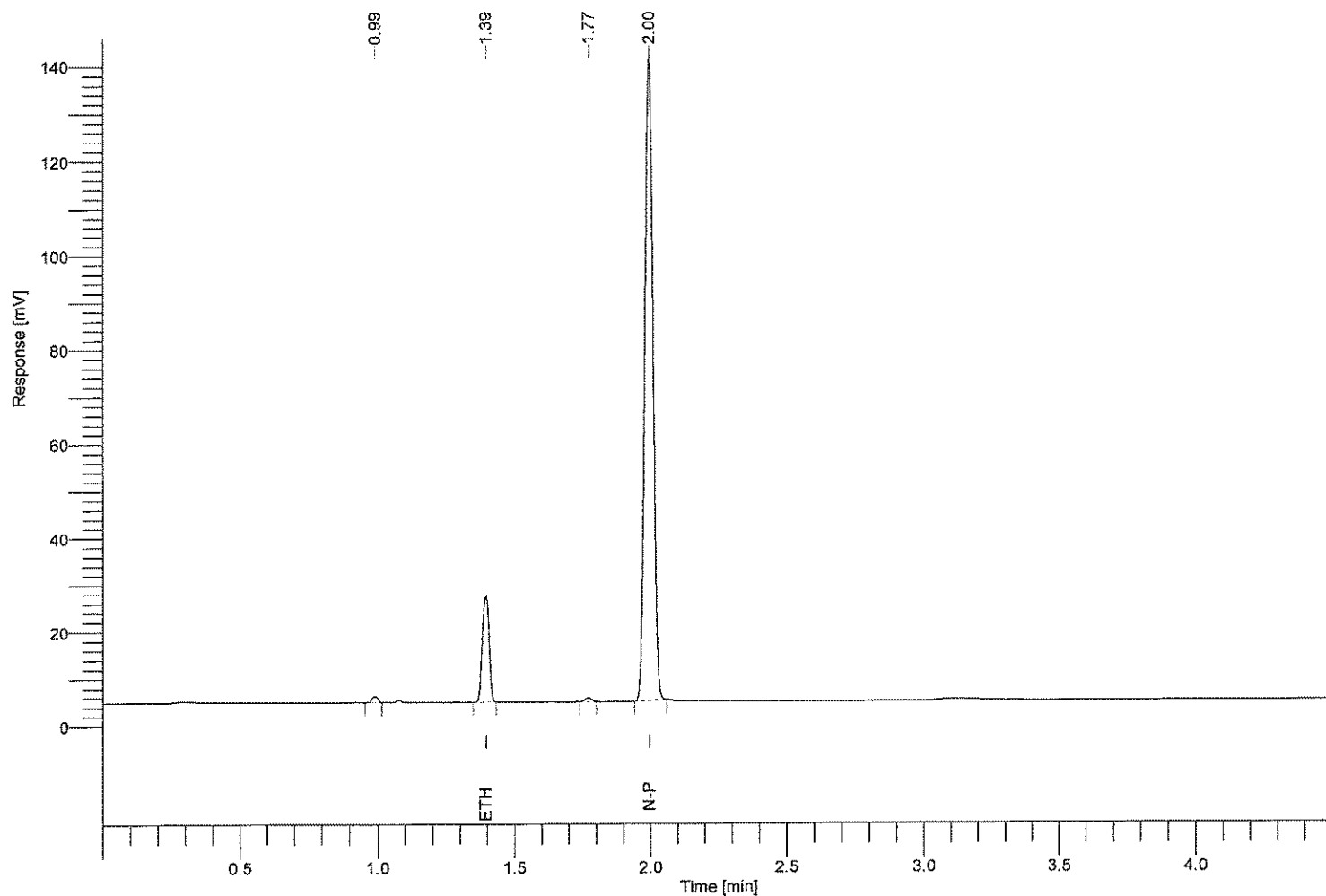


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.397	0.699	38572.81	0.097
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	1.998	1.000	282294.30	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 868  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 10

Date : 3/5/2015 12:13:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 12:08:34 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-121317.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



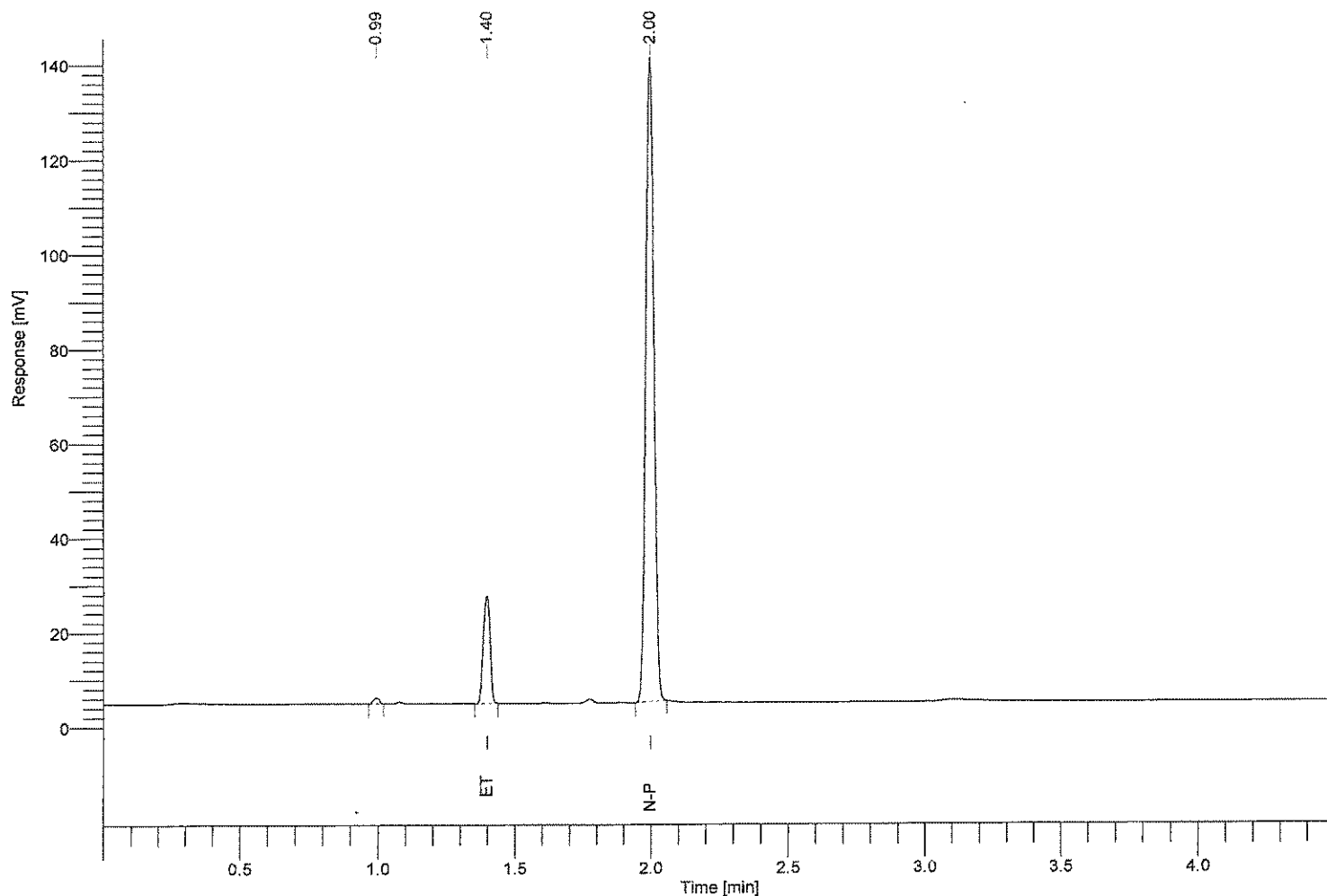
Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.394	0.699	38877.57	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.995	1.000	285309.43	-----



Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 869  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 11

Date : 3/5/2015 12:18:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 12:13:34 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-121817.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

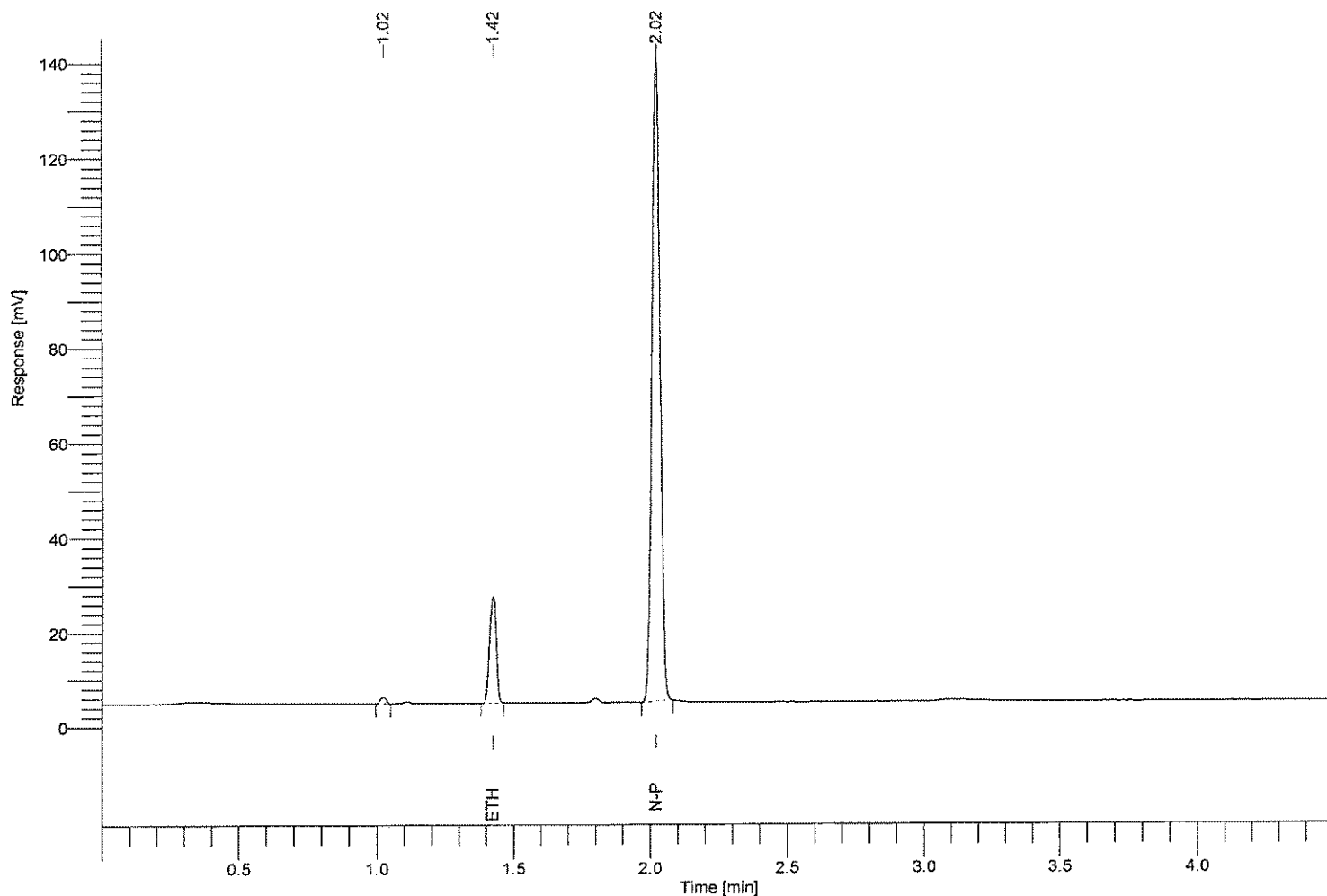


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	38814.18	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	284128.25	-----

Software Version : 6.3.2.0646  
Reprocess Number : gc-pc: 870  
Sample Name : 80  
Instrument Name : ClarusGC  
Rack/Vial : 0/0  
Sample Amount : 1.000000  
Cycle : 12

Date : 3/5/2015 12:23:15 PM *BK*  
Data Acquisition Time : 3/5/2015 12:18:34 PM  
Channel : A  
Operator : manager  
Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-122315.rst  
Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

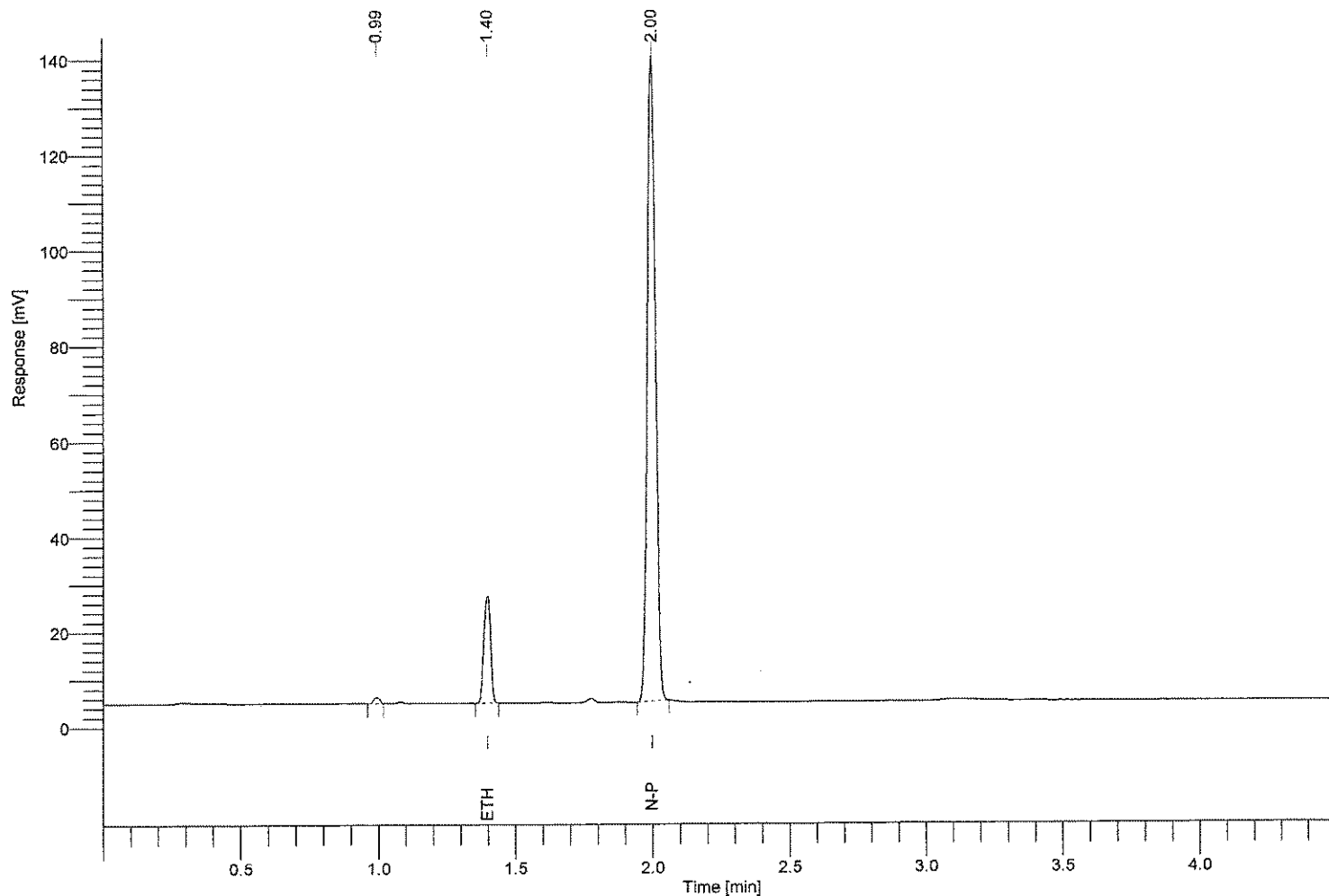


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	38584.73	0.098
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	281758.92	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 871  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 13

Date : 3/5/2015 12:28:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 12:23:34 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-122816.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

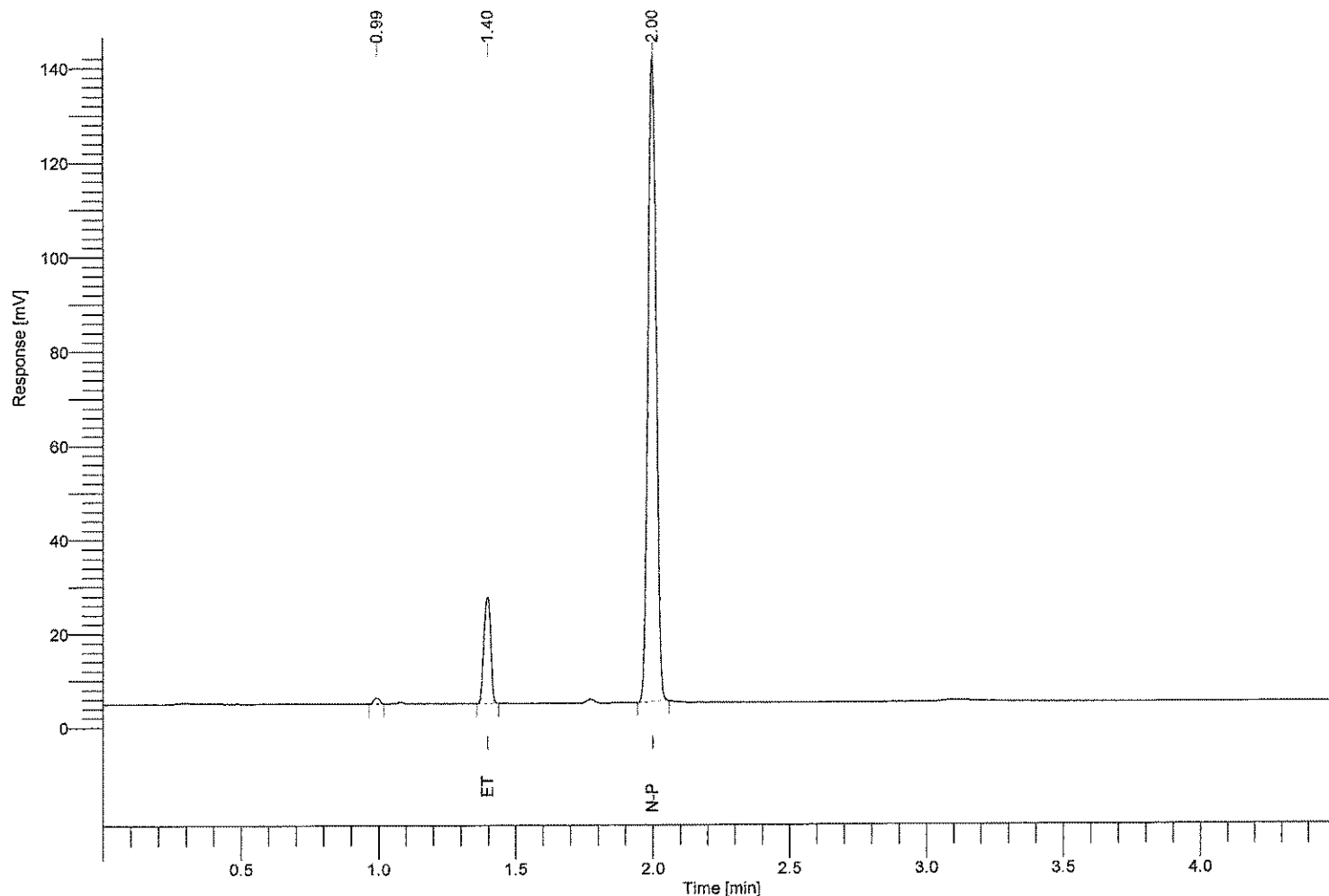


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	38427.93	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.997	1.000	281492.10	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 872  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 14

Date : 3/5/2015 12:33:16 PM *BK*  
 Data Acquisition Time : 3/5/2015 12:28:34 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-123316.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

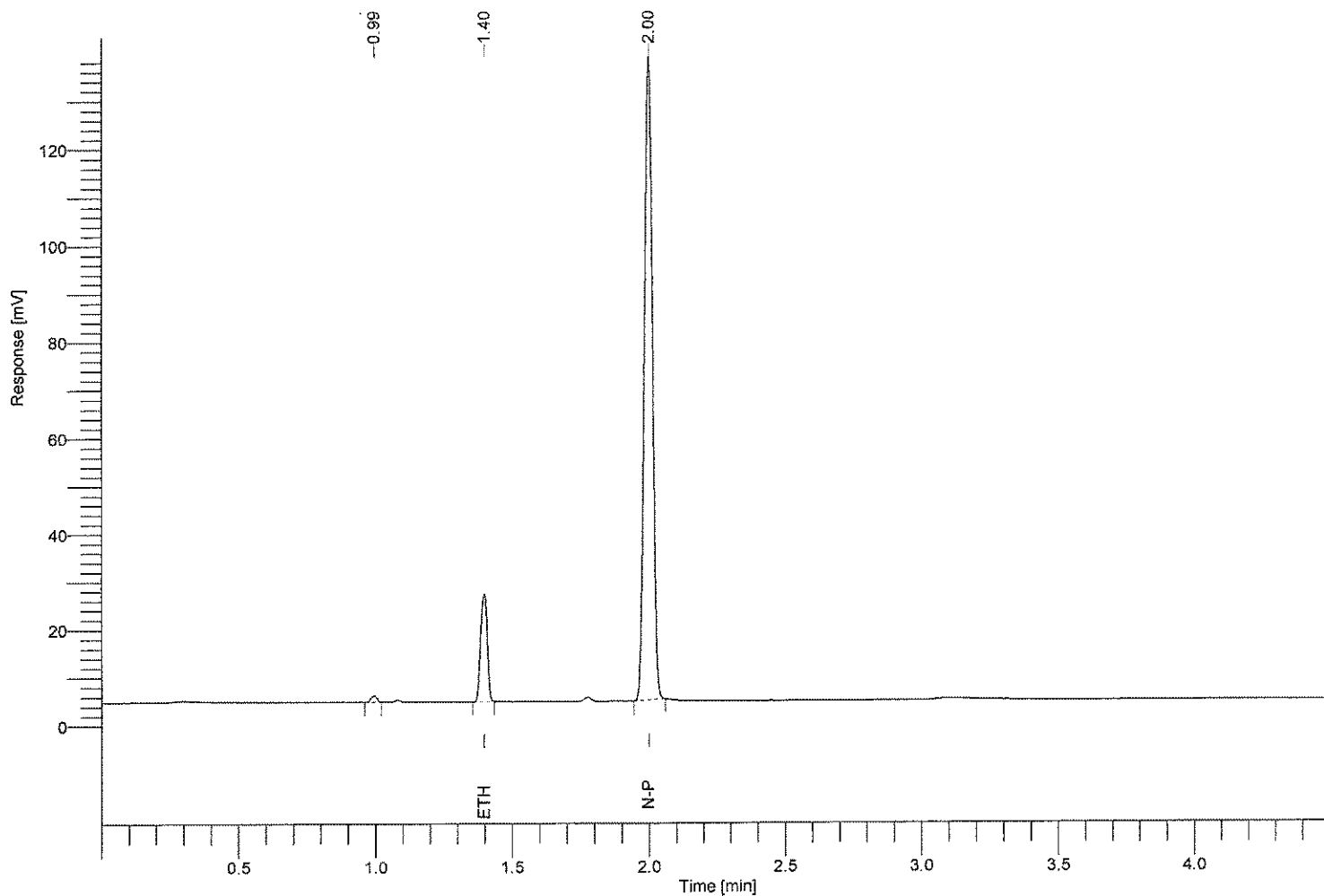


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	38991.28	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.997	1.000	285419.82	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 873  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 15

Date : 3/5/2015 12:38:17 PM *OK*  
 Data Acquisition Time : 3/5/2015 12:33:33 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-123817.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

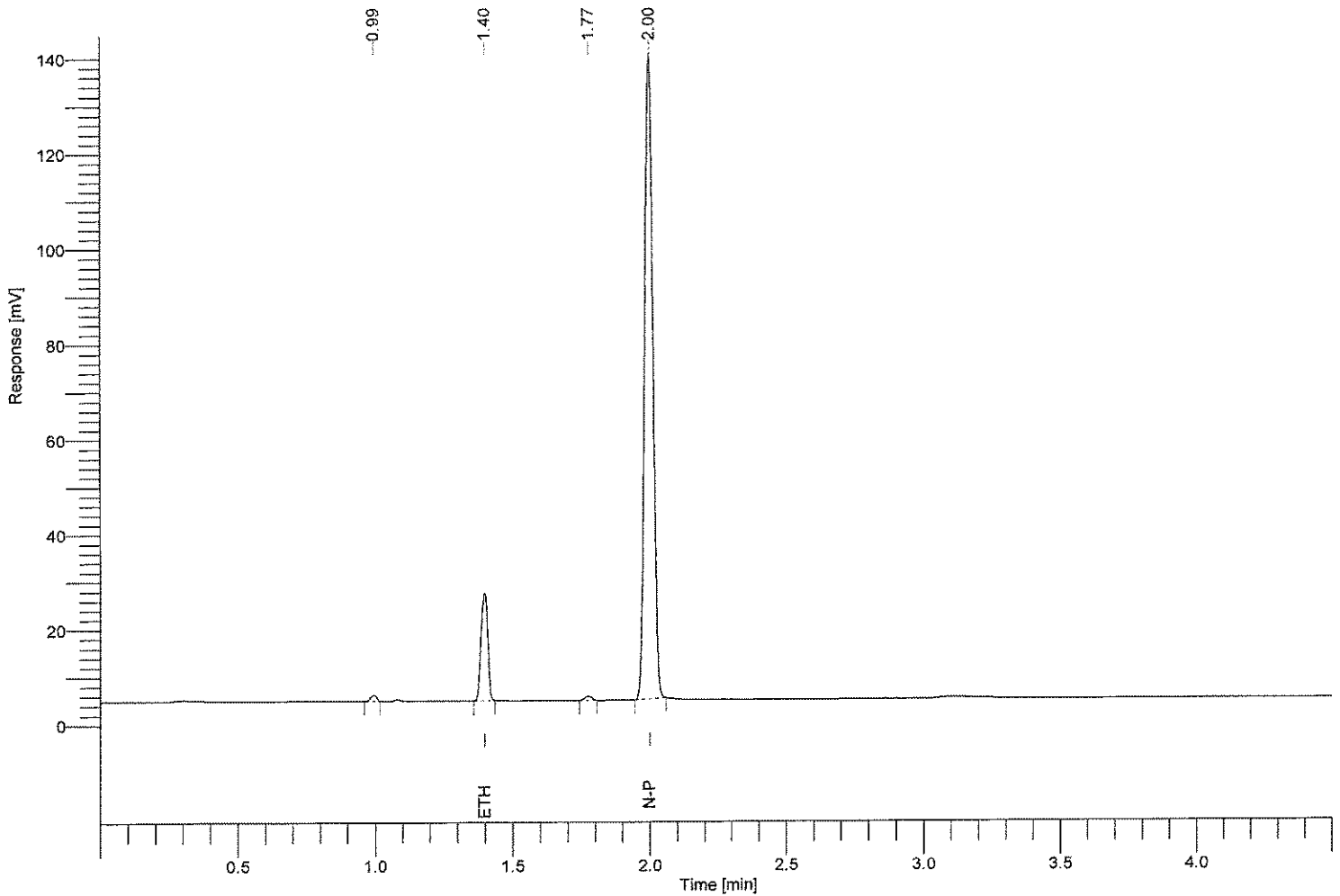


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.397	0.699	37746.63	0.097
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	1.998	1.000	276437.52	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 874  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 16

Date : 3/5/2015 12:43:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 12:38:33 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-124316.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

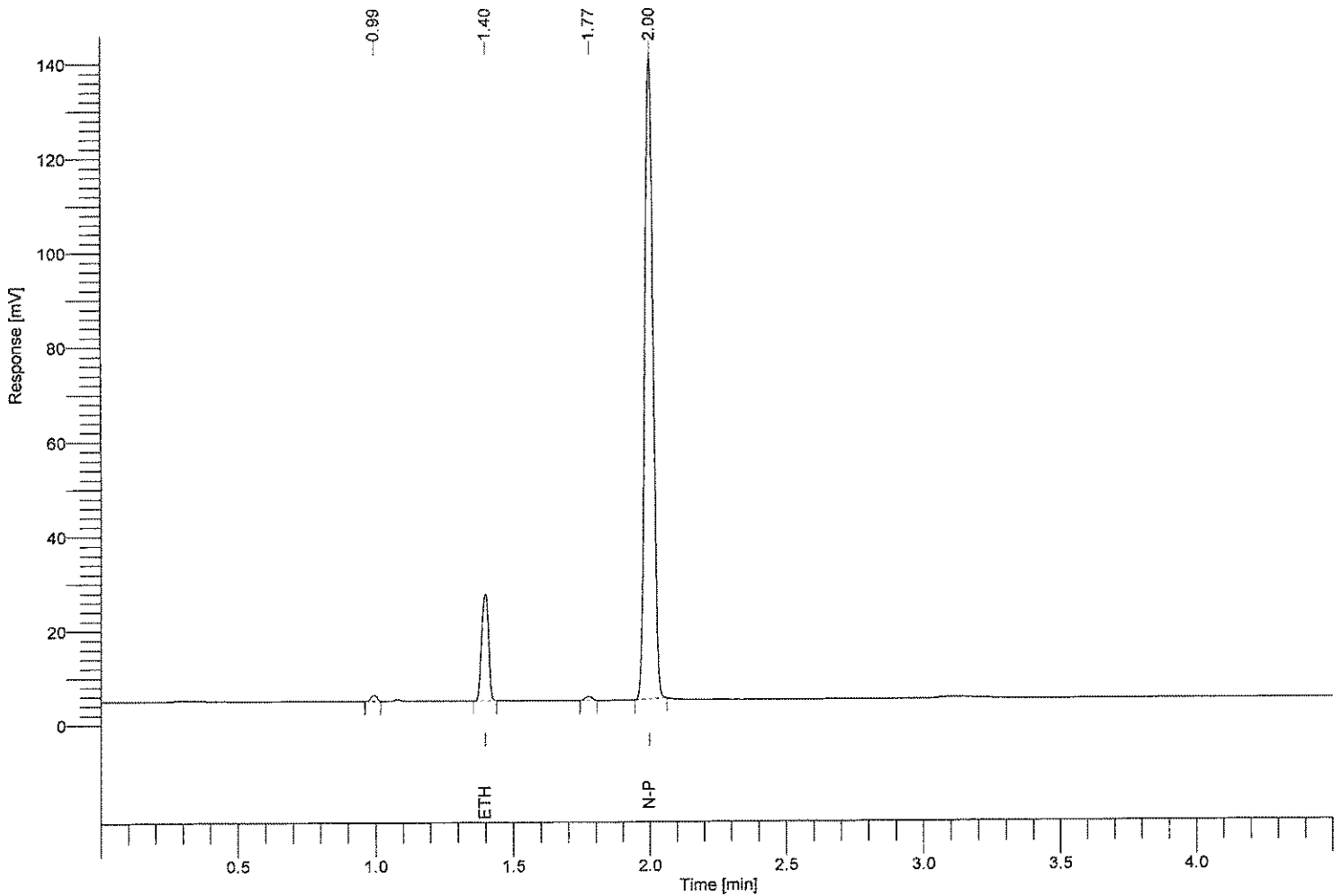


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	38254.68	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.997	1.000	281170.08	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 875  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 17

Date : 3/5/2015 12:48:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 12:43:33 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-124817.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

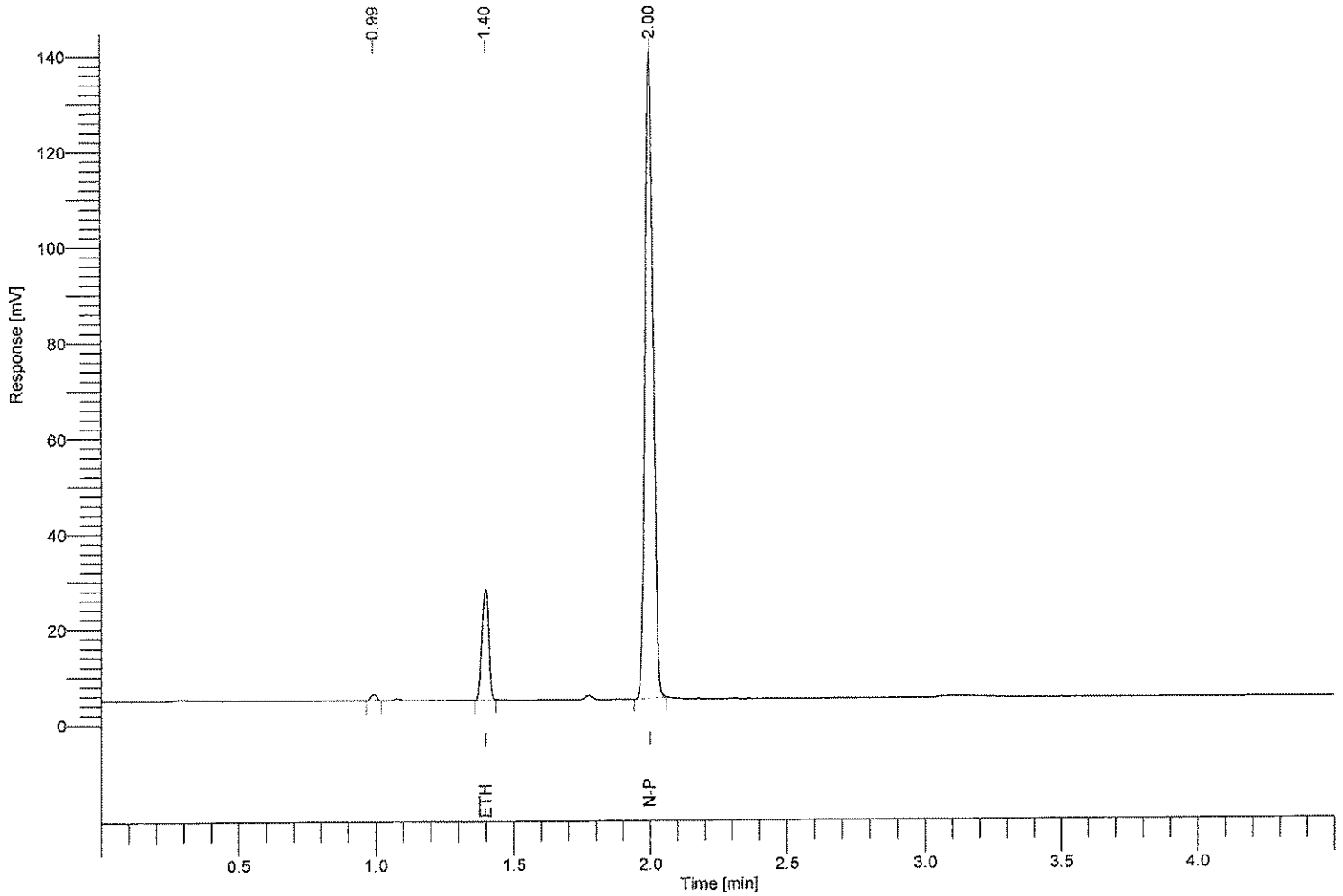


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	39049.53	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.997	1.000	285780.71	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 876  
 Sample Name : CER 100  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 18

Date : 3/5/2015 12:53:16 PM *BK*  
 Data Acquisition Time : 3/5/2015 12:48:33 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-125316.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



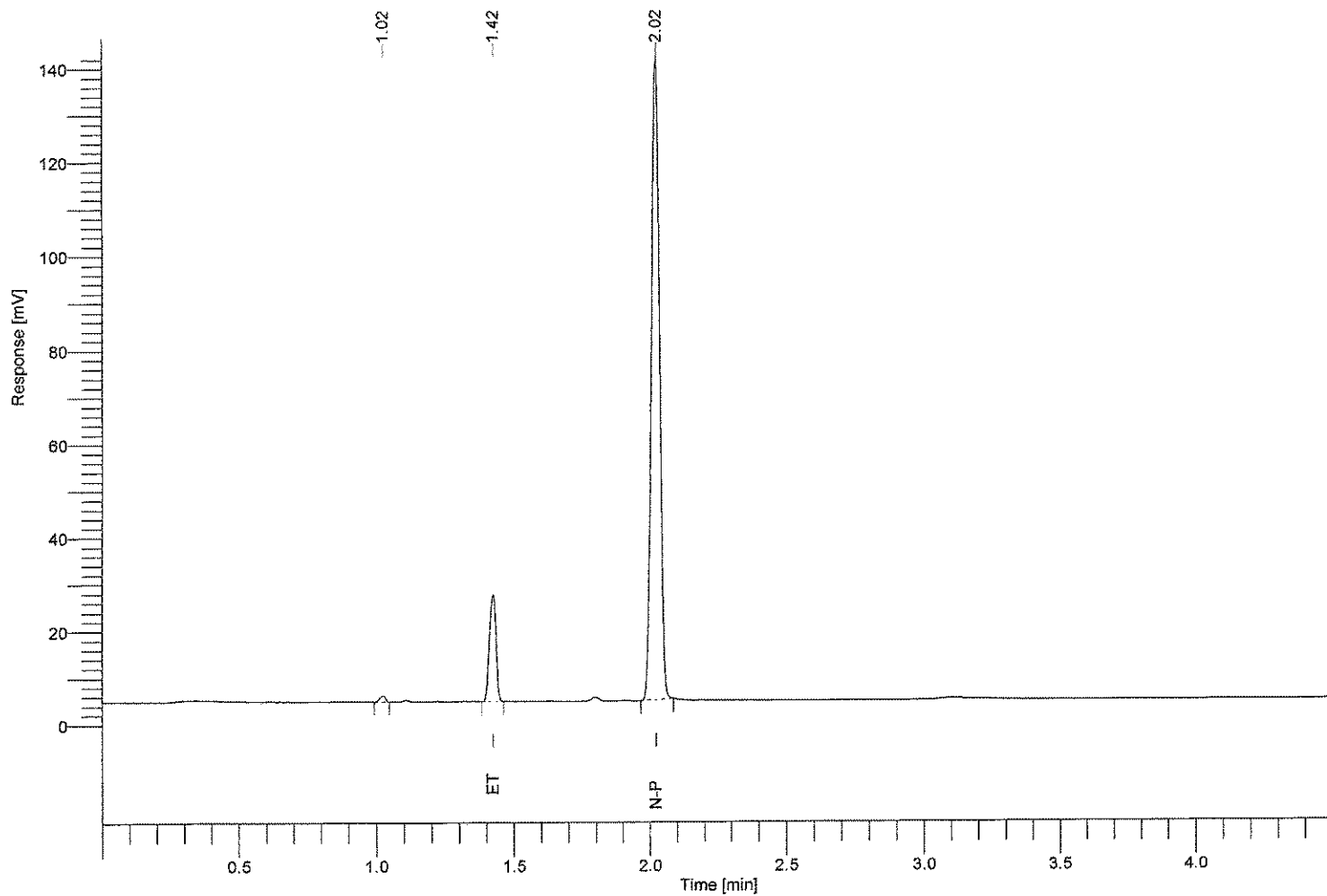
Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	39198.14	0.100
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	280112.57	-----



Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 877  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 19

Date : 3/5/2015 12:58:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 12:53:33 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-125817.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

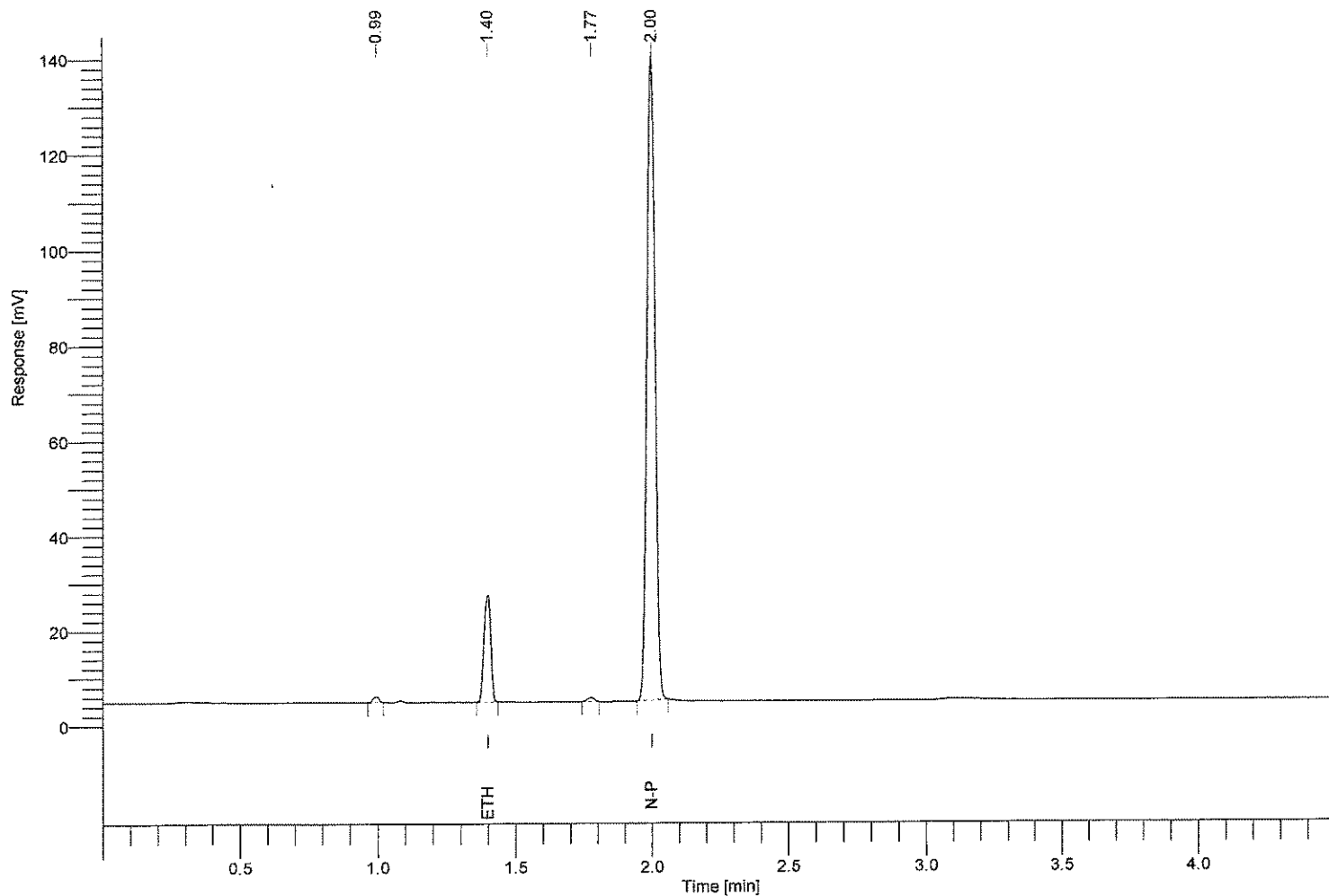


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.422	0.704	38700.74	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.020	1.000	284556.06	-----

Software Version : 6.3.2.0646  
Reprocess Number : gc-pc: 878  
Sample Name : 80  
Instrument Name : ClarusGC  
Rack/Vial : 0/0  
Sample Amount : 1.000000  
Cycle : 20

Date : 3/5/2015 1:03:17 PM *BK*  
Data Acquisition Time : 3/5/2015 12:58:33 PM  
Channel : A  
Operator : manager  
Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-130317.rst  
Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

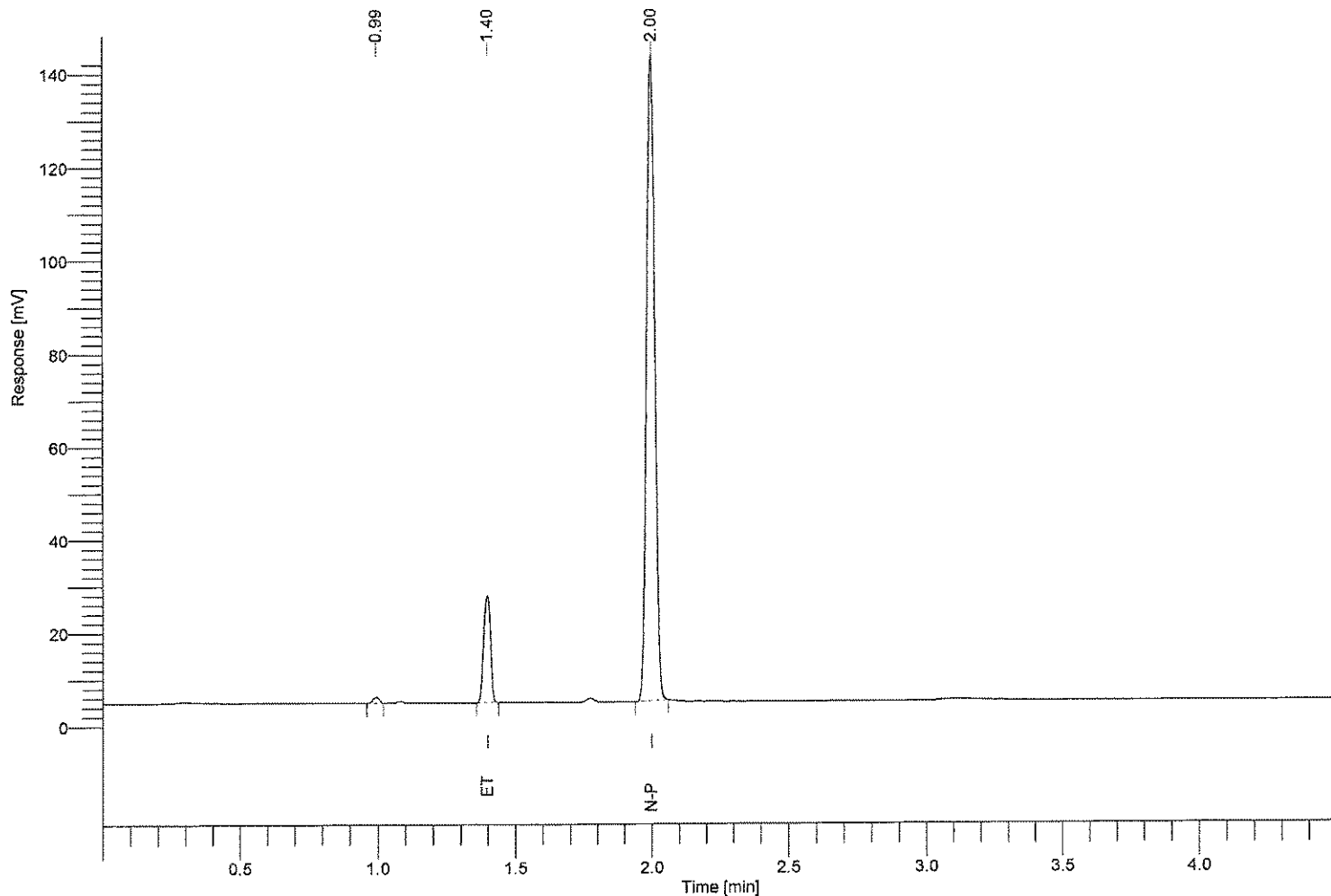


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	38276.28	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	280152.91	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 879  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 21

Date : 3/5/2015 1:08:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 1:03:33 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-130817.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

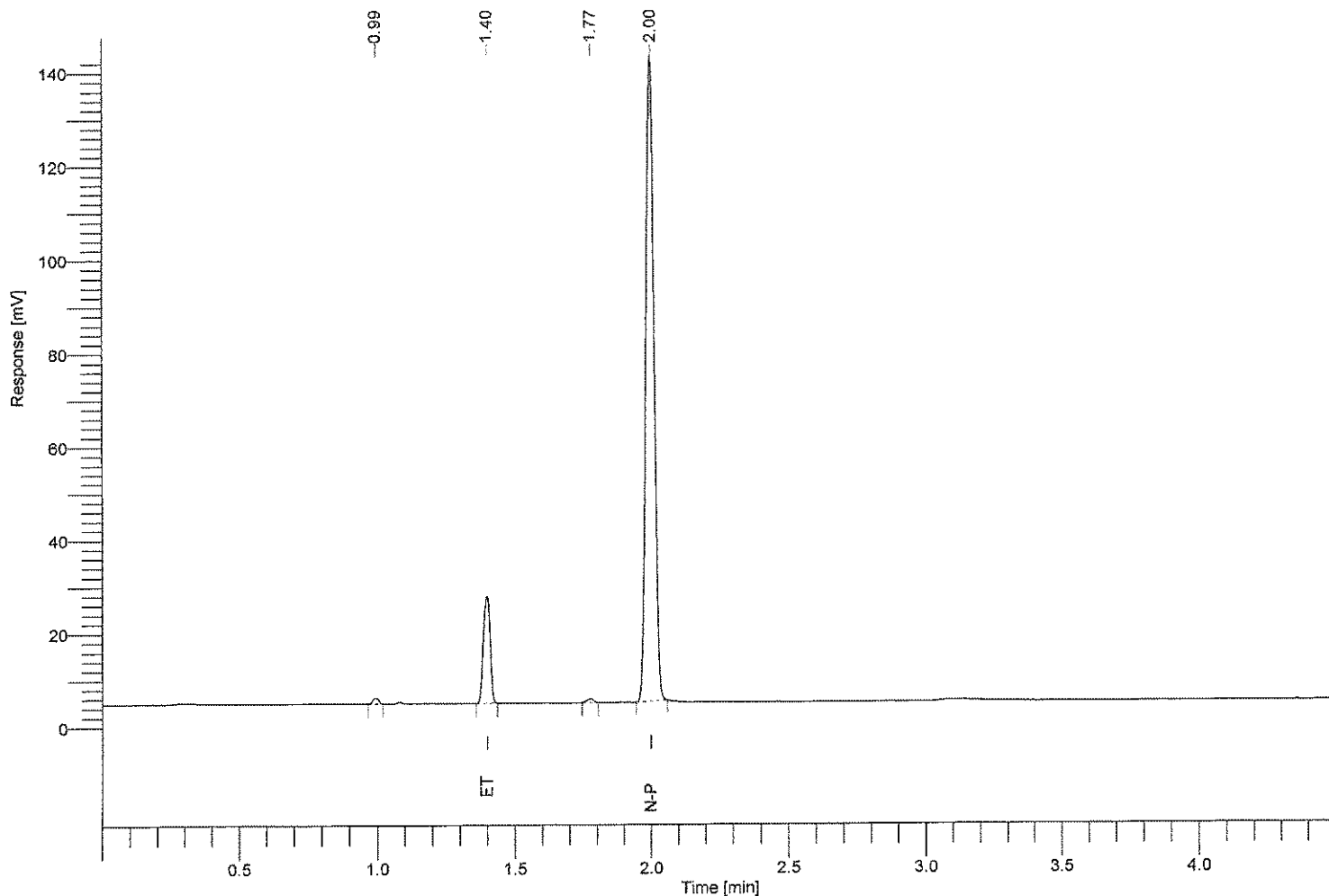


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	39247.92	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	289058.35	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 880  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 22

Date : 3/5/2015 1:13:16 PM *AK*  
 Data Acquisition Time : 3/5/2015 1:08:33 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-131316.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

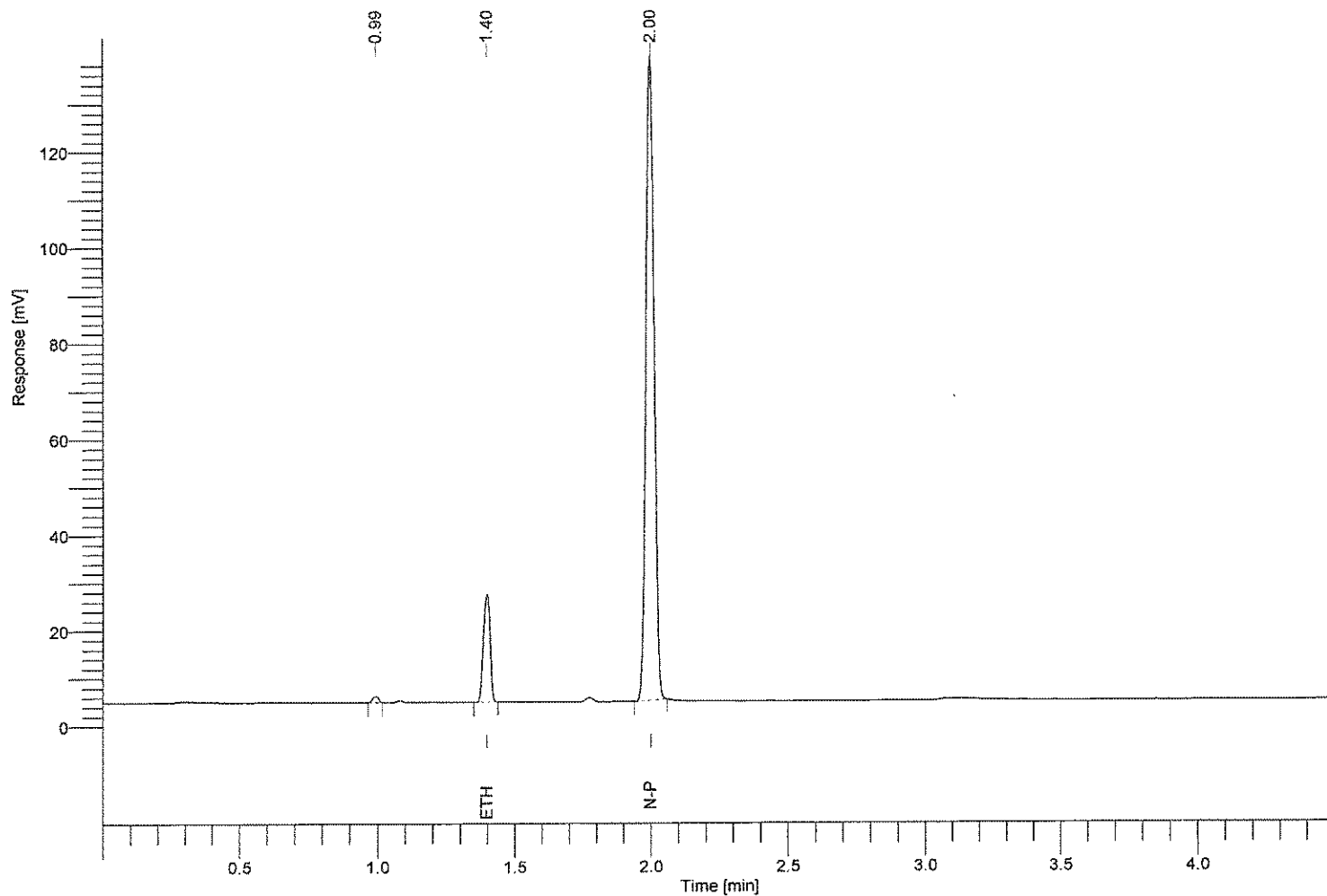


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	38931.82	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	286712.43	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 881  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 23

Date : 3/5/2015 1:18:17 PM *BK*  
 Data Acquisition Time : 3/5/2015 1:13:33 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-131817.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq

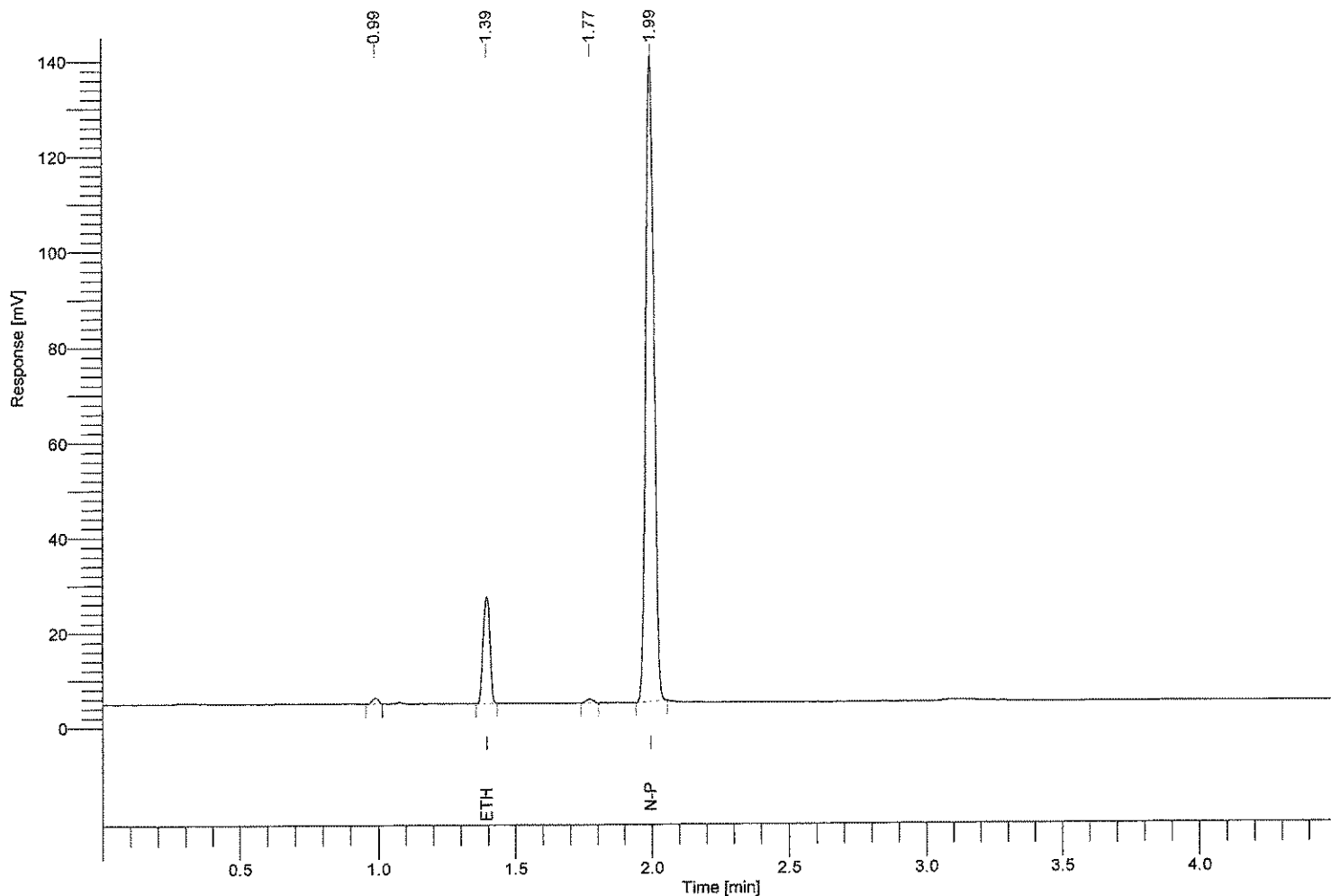


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	38044.88	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	278500.50	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 882  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 24

Date : 3/5/2015 1:23:16 PM *BK*  
 Data Acquisition Time : 3/5/2015 1:18:33 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-132316.rst  
 Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



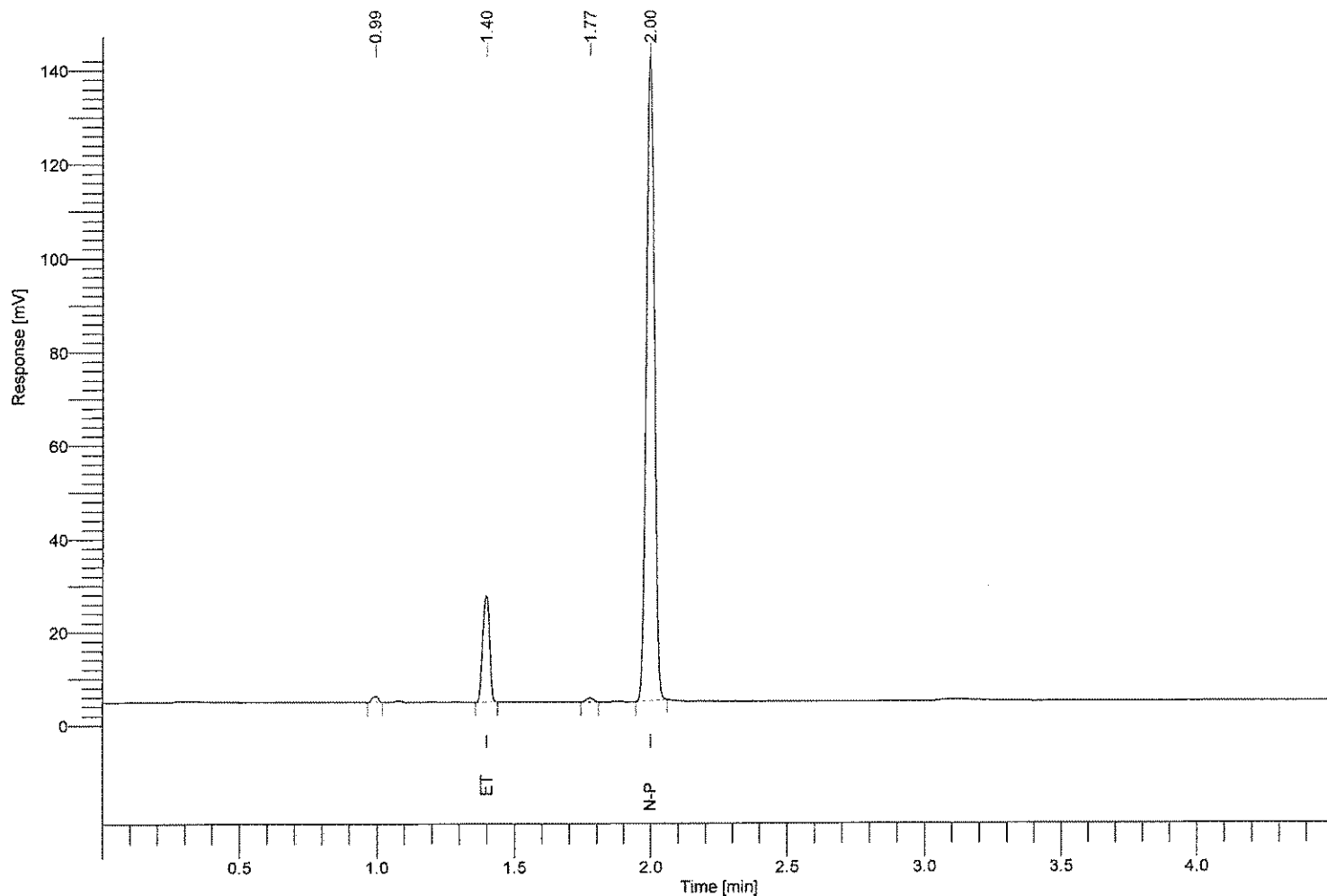
Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.394	0.699	38572.45	0.097
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	1.995	1.000	283070.05	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 883  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 25

Date : 3/5/2015 1:28:17 PM *BSK*  
 Data Acquisition Time : 3/5/2015 1:23:32 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-132817.rst

Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



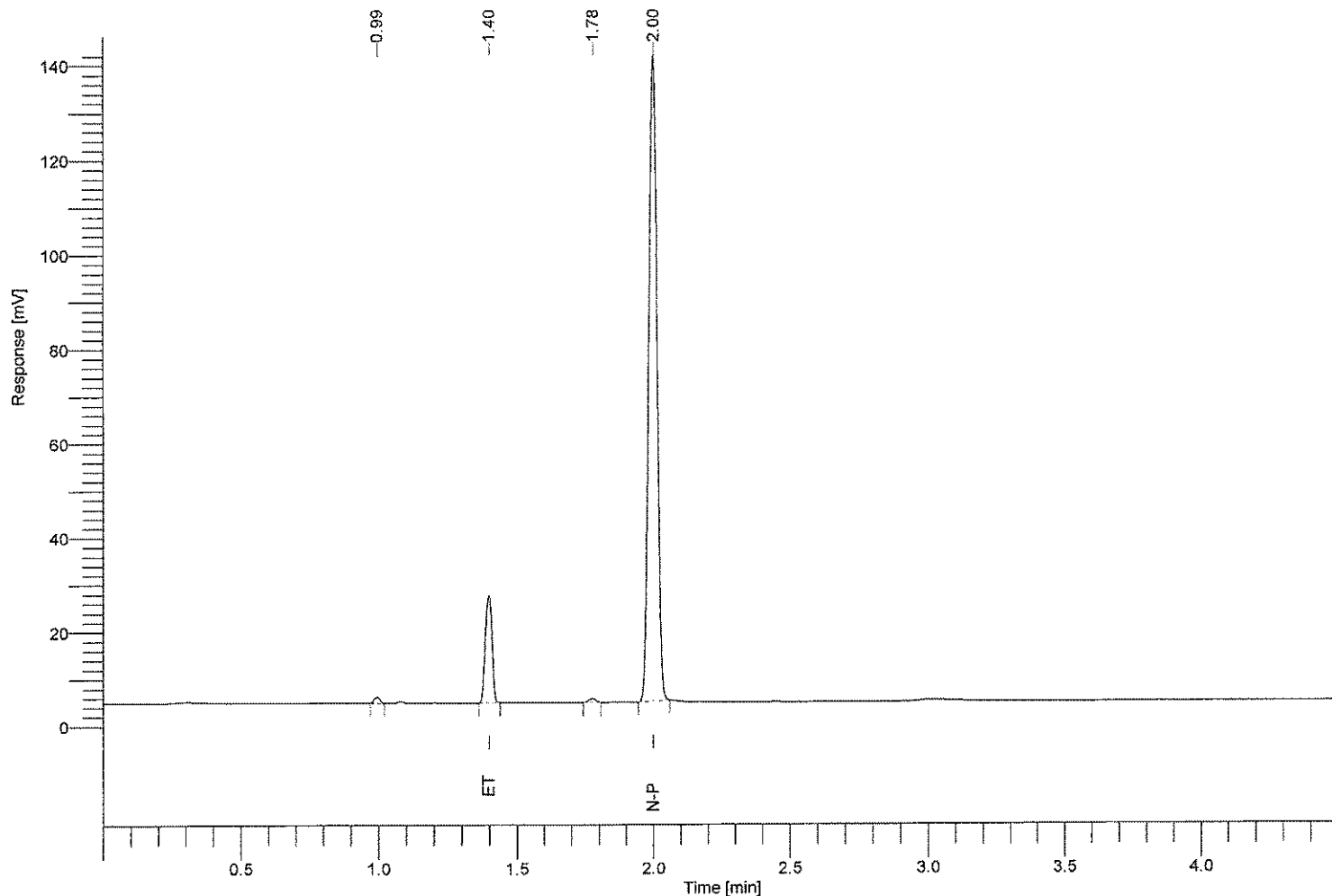
Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	39181.67	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	287645.64	-----

Software Version : 6.3.2.0646  
Reprocess Number : gc-pc: 884  
Sample Name : 80  
Instrument Name : ClarusGC  
Rack/Vial : 0/0  
Sample Amount : 1.000000  
Cycle : 26

Date : 3/5/2015 1:33:17 PM *BK*  
Data Acquisition Time : 3/5/2015 1:28:32 PM  
Channel : A  
Operator : manager  
Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-133317.rst

Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	38622.83	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	283916.44	-----

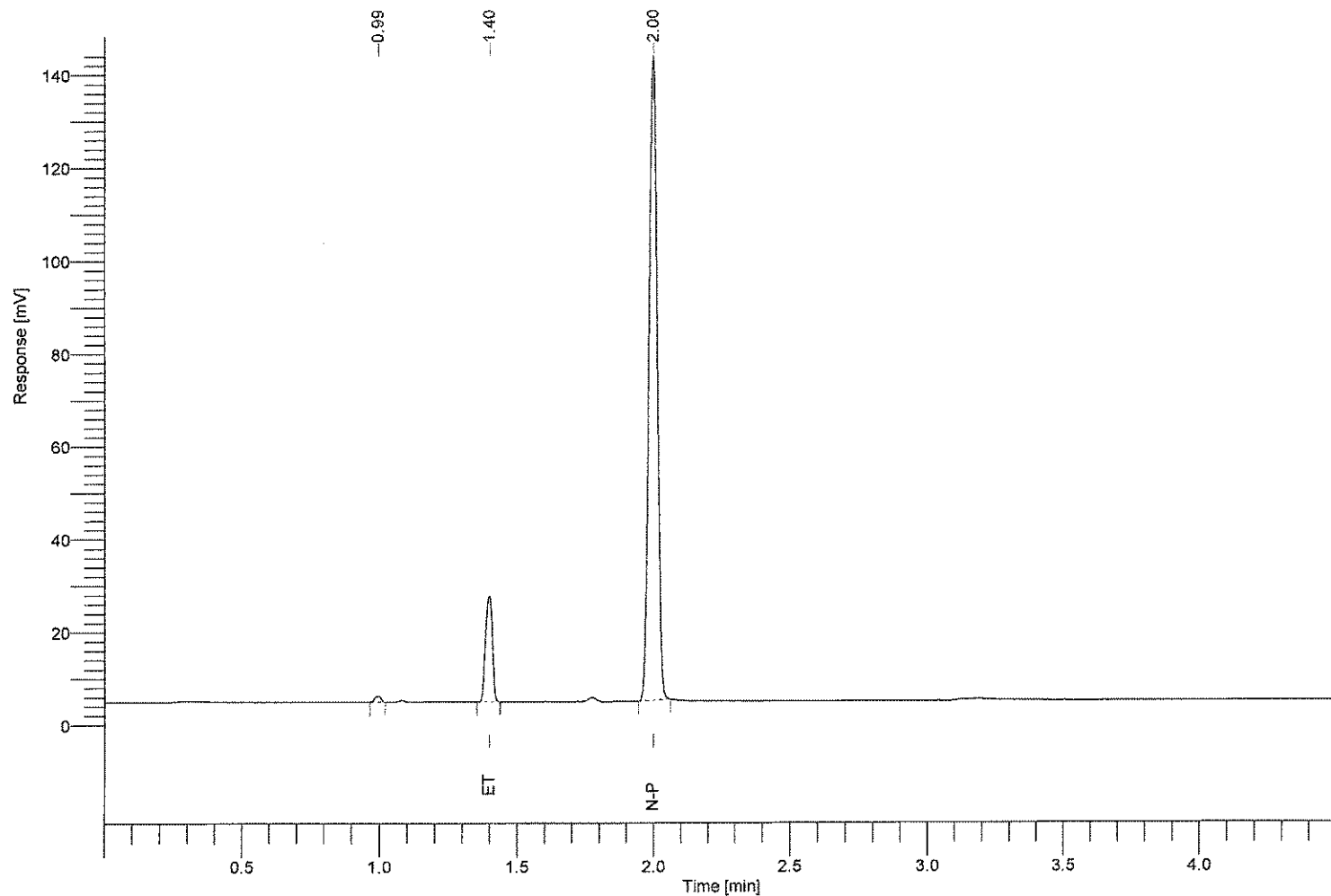


Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 885  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 27

Date : 3/5/2015 1:38:12 PM *AK*  
 Data Acquisition Time : 3/5/2015 1:33:26 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-133812.rst

Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



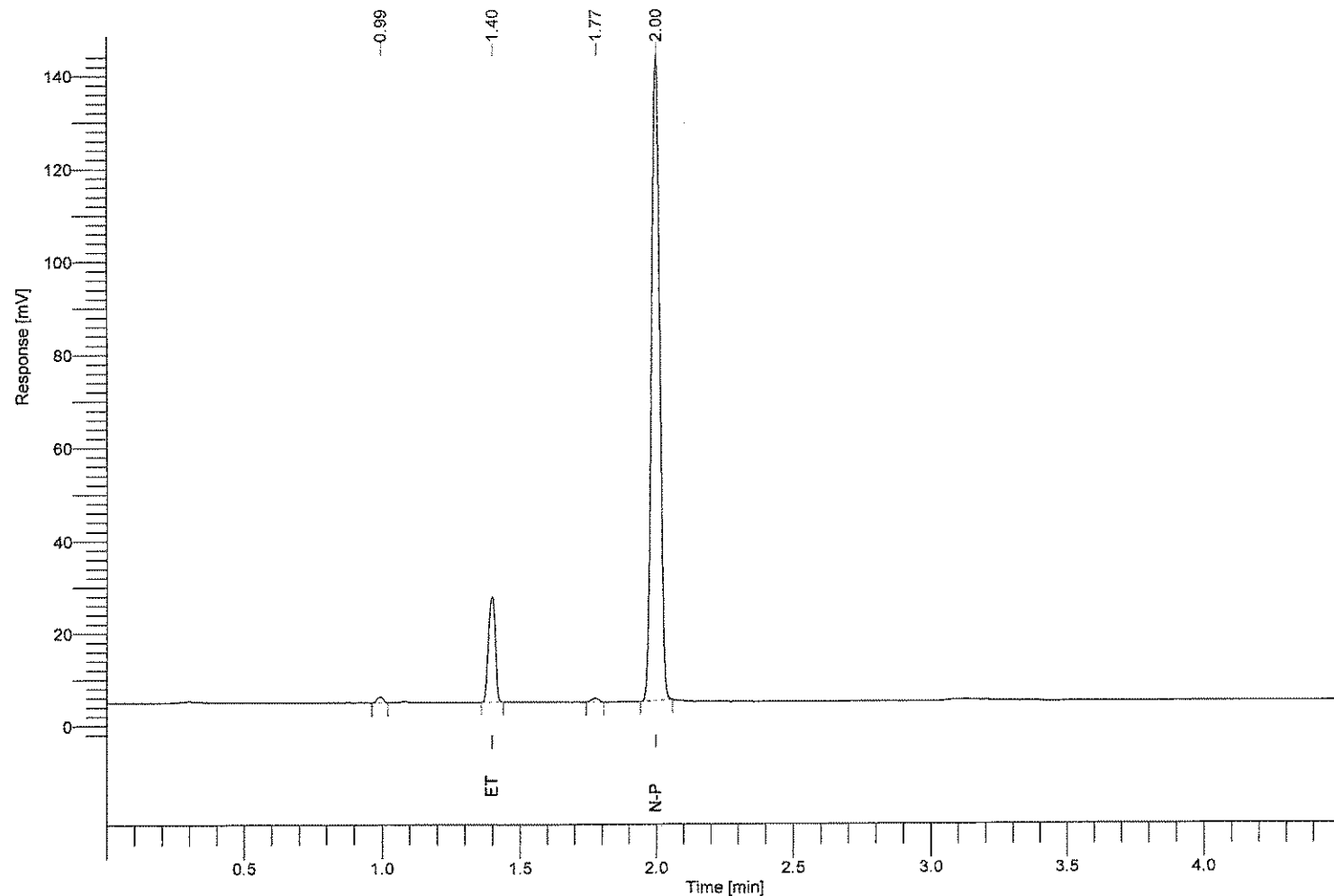
Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	39386.25	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	290916.84	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 886  
 Sample Name : 80  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 28

Date : 3/5/2015 1:43:13 PM *BK*  
 Data Acquisition Time : 3/5/2015 1:38:29 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-134313.rst

Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



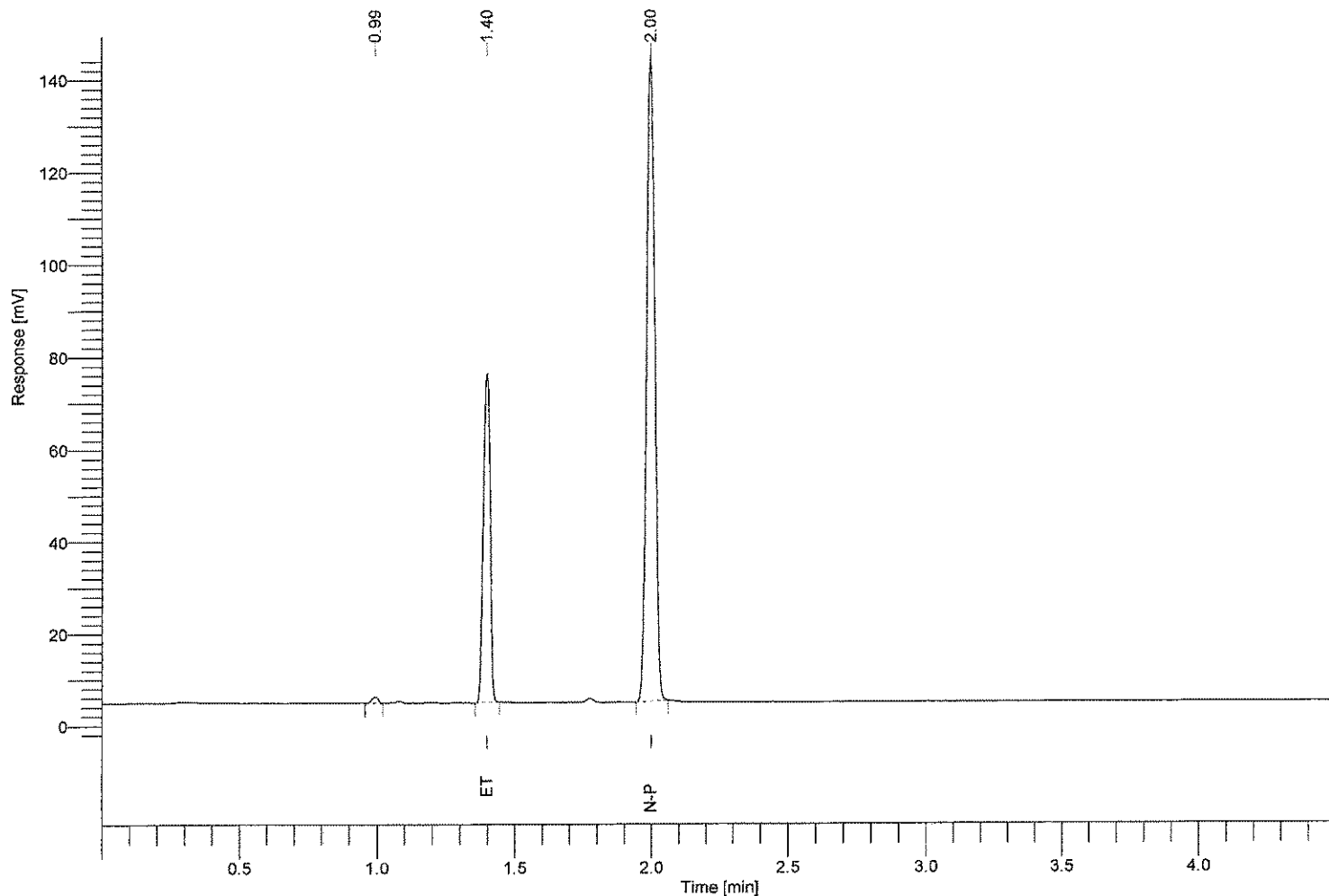
Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	39361.64	0.097
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.997	1.000	290762.53	-----

Software Version : 6.3.2.0646  
 Reprocess Number : gc-pc: 887  
 Sample Name : CER 300  
 Instrument Name : ClarusGC  
 Rack/Vial : 0/0  
 Sample Amount : 1.000000  
 Cycle : 29

Date : 3/5/2015 1:48:14 PM *BK*  
 Data Acquisition Time : 3/5/2015 1:43:29 PM  
 Channel : A  
 Operator : manager  
 Dilution Factor : 1.000000

Result File : c:\totalchrom data\03052015\data001-20150305-134814.rst

Sequence File : C:\Totalchrom Sequences\2013\03052015bhk.seq



Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	122763.78	0.298
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.997	1.000	293007.32	-----