

Certificate of Analysis

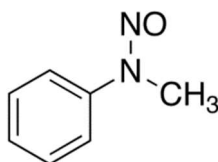
N-Nitroso-N-methylaniline (NMPA).

Product Code:	BS10691.
Description:	N-Nitroso-N-methylaniline (NMPA).
Synonym:	N-Methyl-N-nitrosoaniline.
Pack:	1 gm.
CAS NO.:	614-00-6.
Mol. Weight:	136.15 g/mol.
Mol. Formula:	C ₇ H ₈ N ₂ O.
MDL Number:	MFCD00045675.
Melting point:	13 °C.
Boiling point:	128 °C.
Density:	1.13 g/cm ³ .
Solubility:	Soluble in chloroform.
Storage:	Store at 2-8°C Refrigerator.
LOT NO.:	BS10691/02.
Manufacture Date:	05/11/2023.
Expiry Date:	05/11/2026.

Test	Specification	Measured Values
Appearance:	Light Yellow to Yellow Oil.	Light Yellow to Yellow Oil.
Identification by MASS:	Confirms to the structure.	Confirms to the structure.
Identification by NMR:	Confirms to the structure.	Confirms to the structure.
Purity by GC:	>95%.	99.46%.
TGA:	<5%.	0.256%.
Potency:	-	99.46% - 0.256% = 99.20%.

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.

Note: Revised CoA – updated format (no change in batch data).

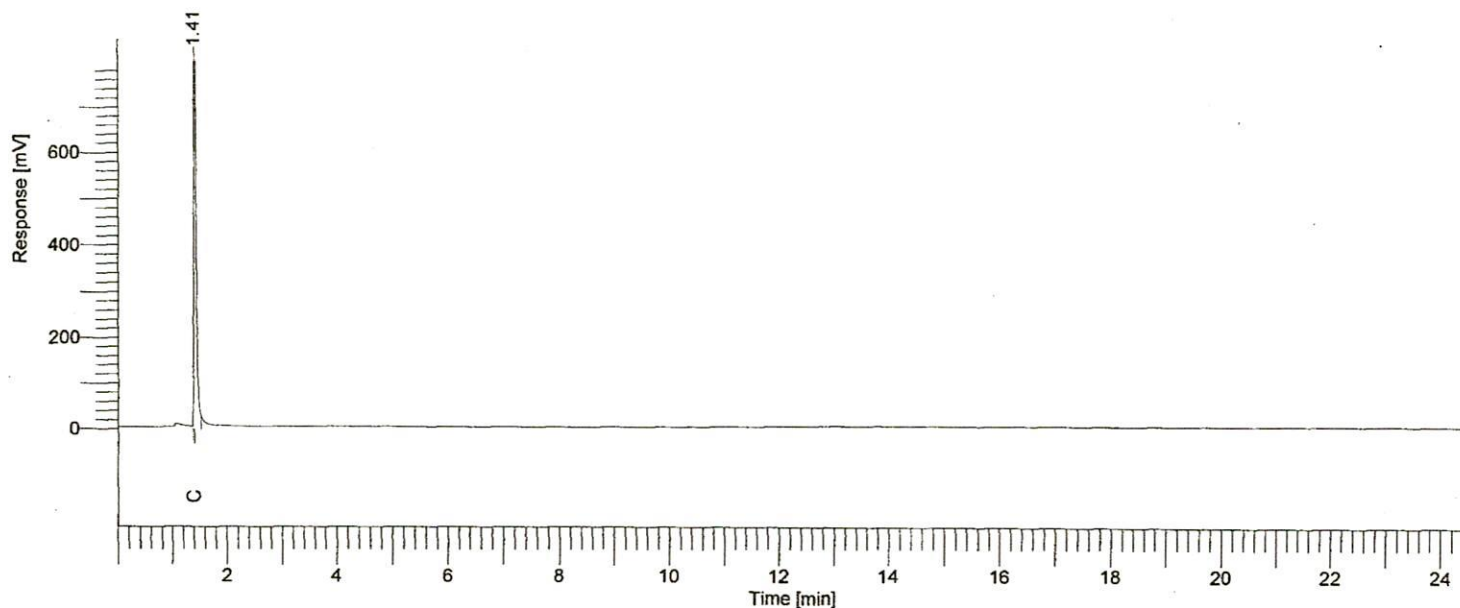



Dr. K. Deepti.
Technical Head.

Software Version : 6.3.2.0646
Sample Name : BS-Blank
Instrument Name : GC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 1

Date : 11/6/2023 5:29:00 PM
Data Acquisition Time : 11/6/2023 5:02:27 PM
Channel : A
Operator : manager
Dilution Factor : 1.000000

Result File : C:\PenExe\TcWS\Ver6.3.2\Examples\NOV-2023\061123_BS-blank.rst
Sequence File : C:\PenExe\TcWS\Ver6.3.2\Examples\NOV-2023\061123_2.seq



GC REPORT

Peak #	Time [min]	Component Name	Area [$\mu\text{V}\cdot\text{s}$]	Height [μV]	Area [%]	Rel. RT
1	1.41	Chloroform	2791625.96	982631.99	100.000	1.00
			2791625.96	982631.99	100.000	

Warning -- Signal level out-of-range in peak

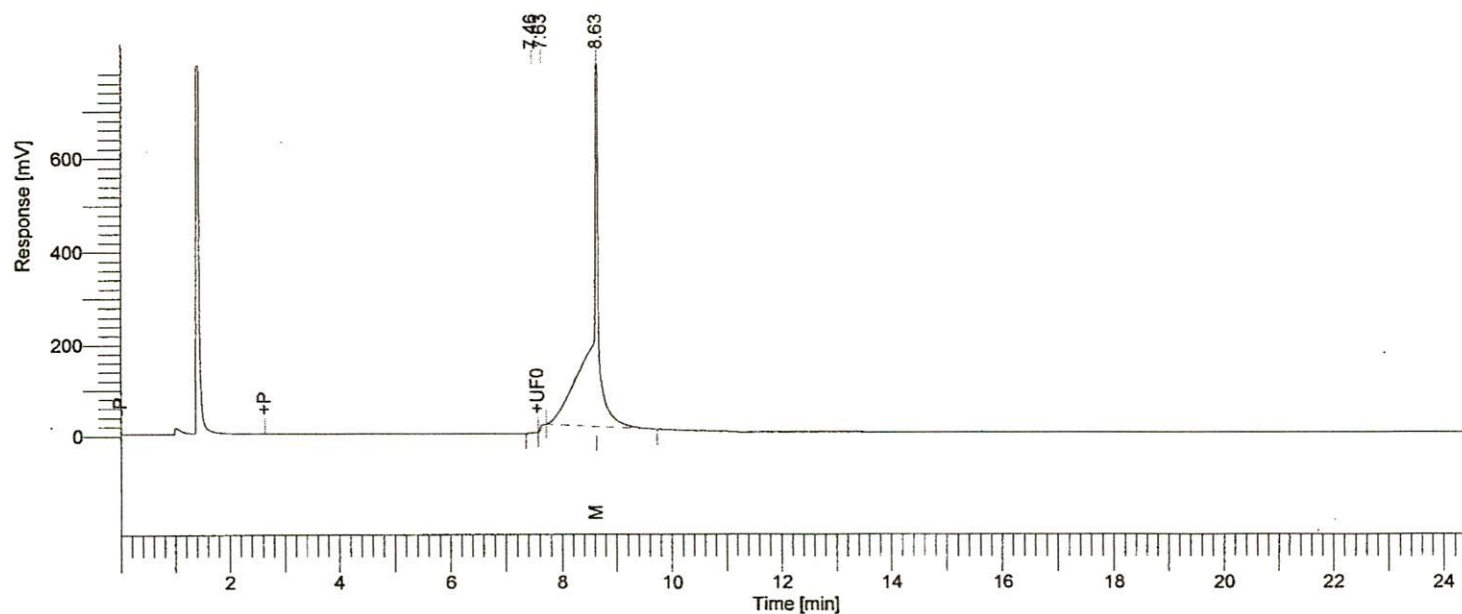
Analysed by *gm 06/11/23*

pmu
06/11/2023

Software Version : 6.3.2.0646
Sample Name : BS10691/ 02
Instrument Name : GC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 1

Date : 11/7/2023 4:16:42 PM
Data Acquisition Time : 11/6/2023 4:28:16 PM
Channel : A
Operator : manager
Dilution Factor : 1.000000

Result File : C:\PenExe\TcWS\Ver6.3.2\Examples\NOV-2023\061123_BS10691- 02.rst
Sequence File : C:\PenExe\TcWS\Ver6.3.2\Examples\NOV-2023\061123_2.seq



GC REPORT

Peak #	Time [min]	Component Name	Area [$\mu\text{V}\cdot\text{s}$]	Height [μV]	Area [%]	Rel. RT
1	7.46		6926.35	838.34	0.082	0.86
2	7.63		38371.28	8215.37	0.454	0.88
3	8.63	Major Peak	8414927.68	974292.16	99.465	1.00
			8460225.31	983345.86	100.000	

Warning – Signal level out-of-range in peak

Analysed by

Grz 07/11/23

Patryk
07/11/2023

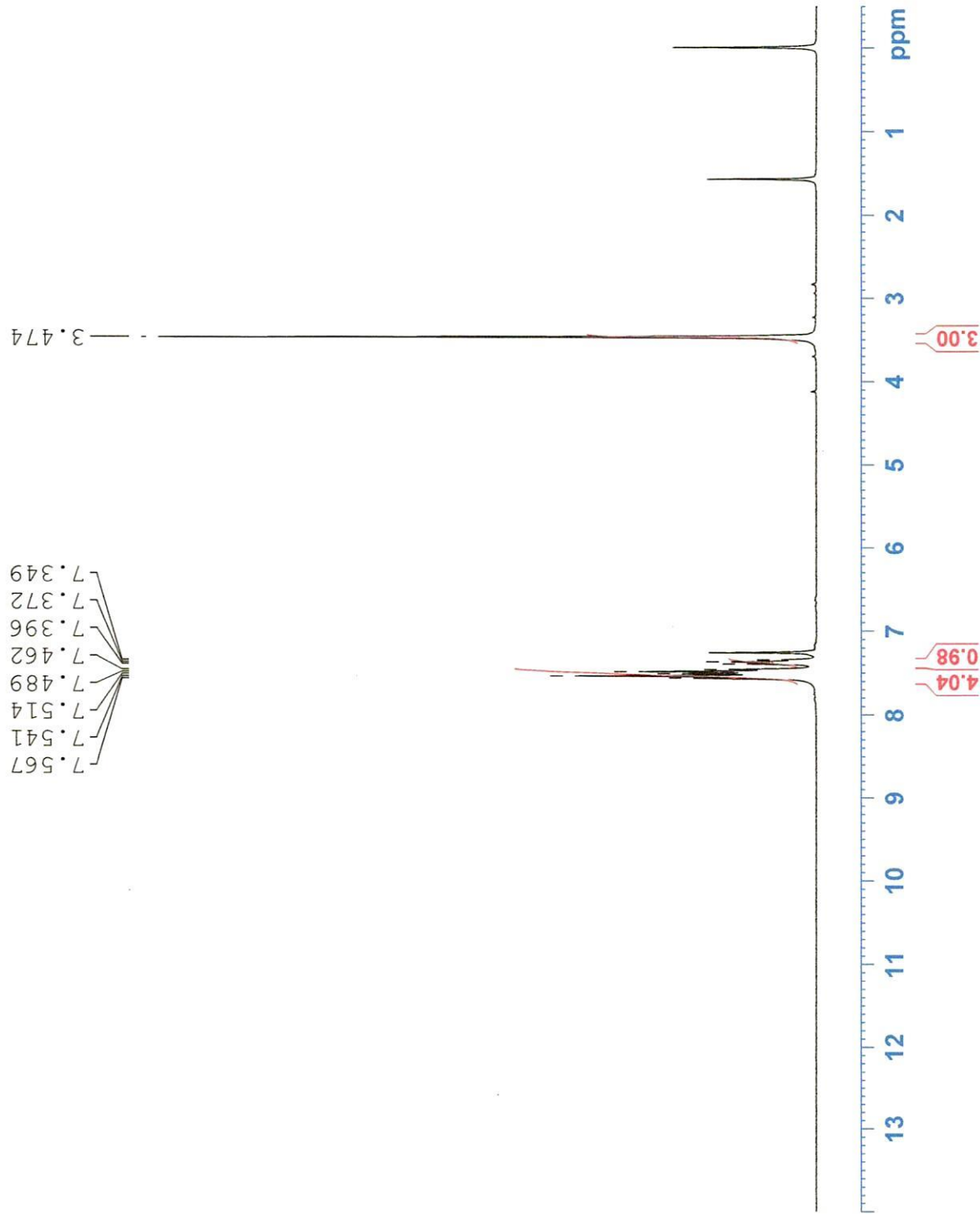
Briti Scientific
BS10691#BS10691/02, 1H-CDCl3
061123009

7.567
7.541
7.514
7.489
7.462
7.396
7.372
7.349

3.474

NAME	Briti
EXPNO	81
PROCNO	1
Date_	20231106
Time	16.03
INSTRUM	spect
PROBHD	5 mm DUL 13C-1
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	32
DS	0
SWH	10190.218 Hz
FIDRES	0.155490 Hz
AQ	3.2156830 sec
RG	2050
DW	49.067 usec
DE	6.50 usec
TE	300.0 K
D1	1.00000000 sec
TD0	1

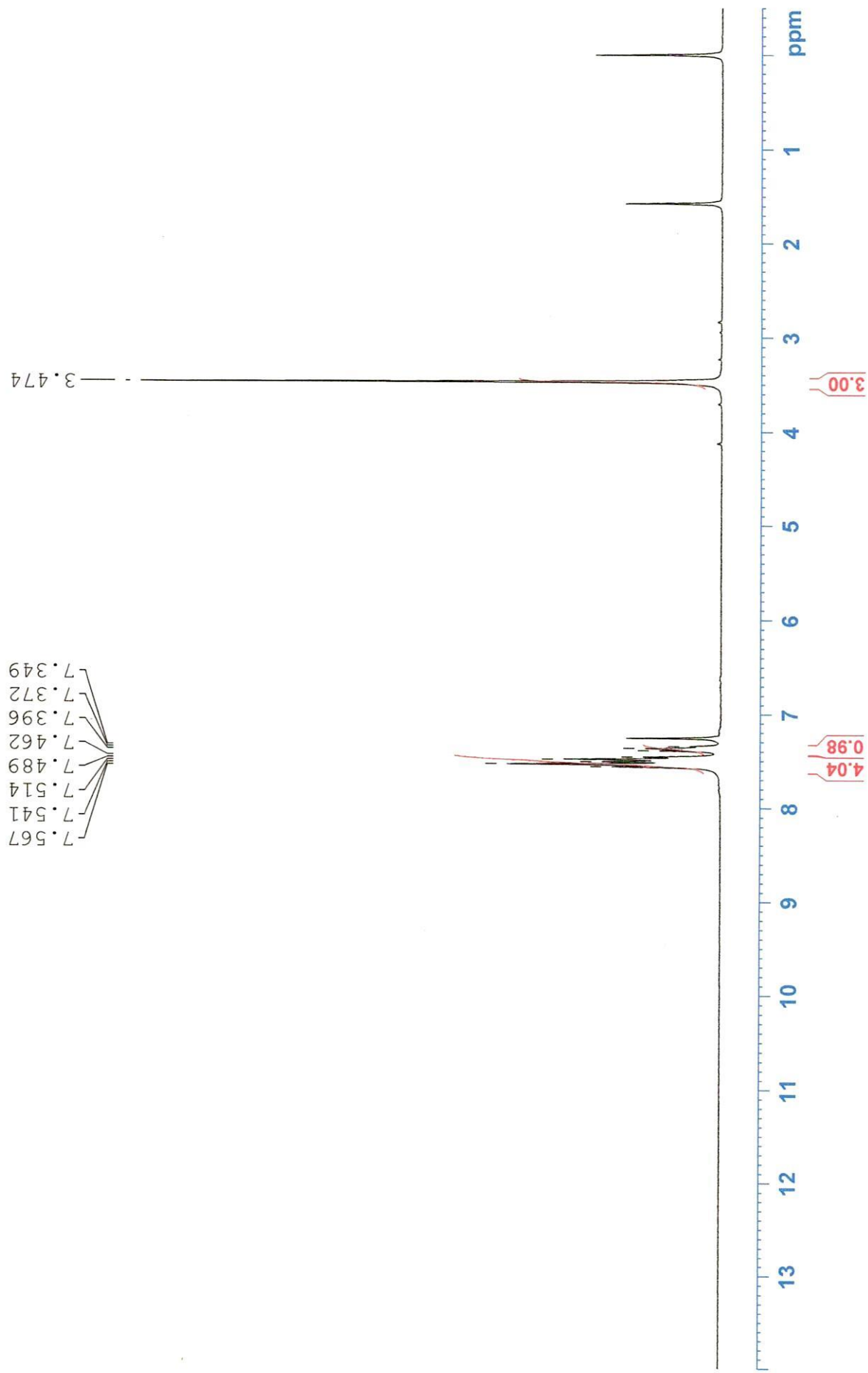
===== CHANNEL f1 =====
NUC1 1H
P1 15.00 usec
PL1 0.00 dB
PL1W 11.05230045 W
SFO1 300.1318534 MHz
SI 32768
SF 300.1300065 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



06/11/2023

06/11/2023

Briti Scientific
BS10691#BS10691/02, 1H-CDC13
061123009



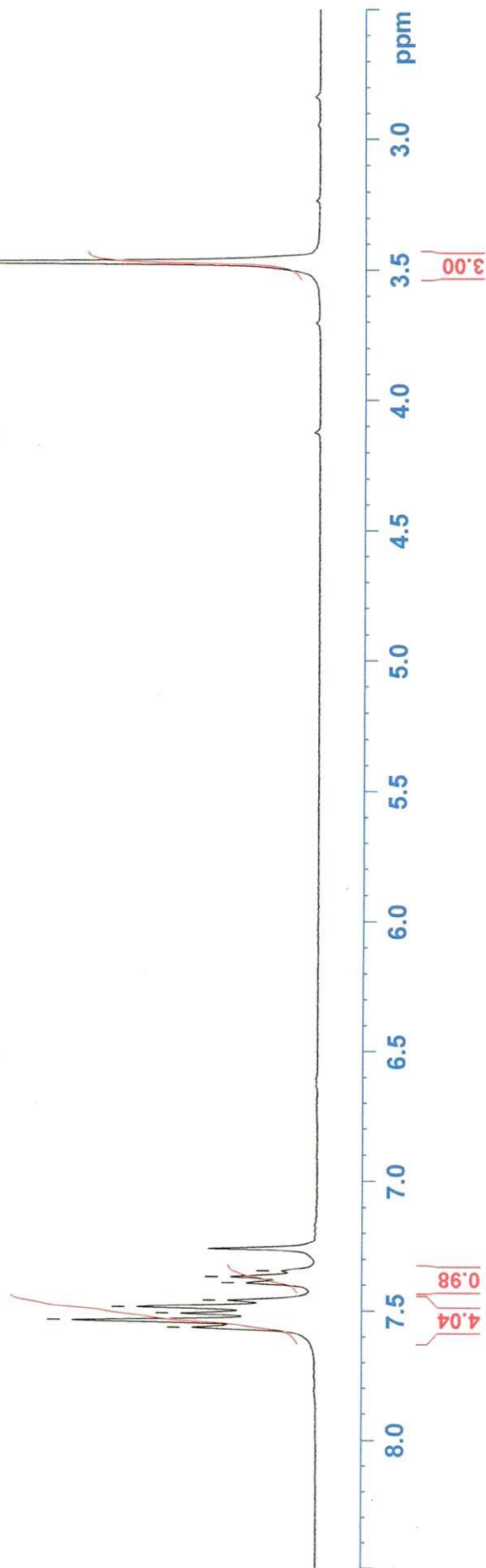
06/11/2023

06/11/2023

Briti Scientific
BS10691#BS10691/02, 1H-CDCl3
061123009

7.567
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06/11/2023

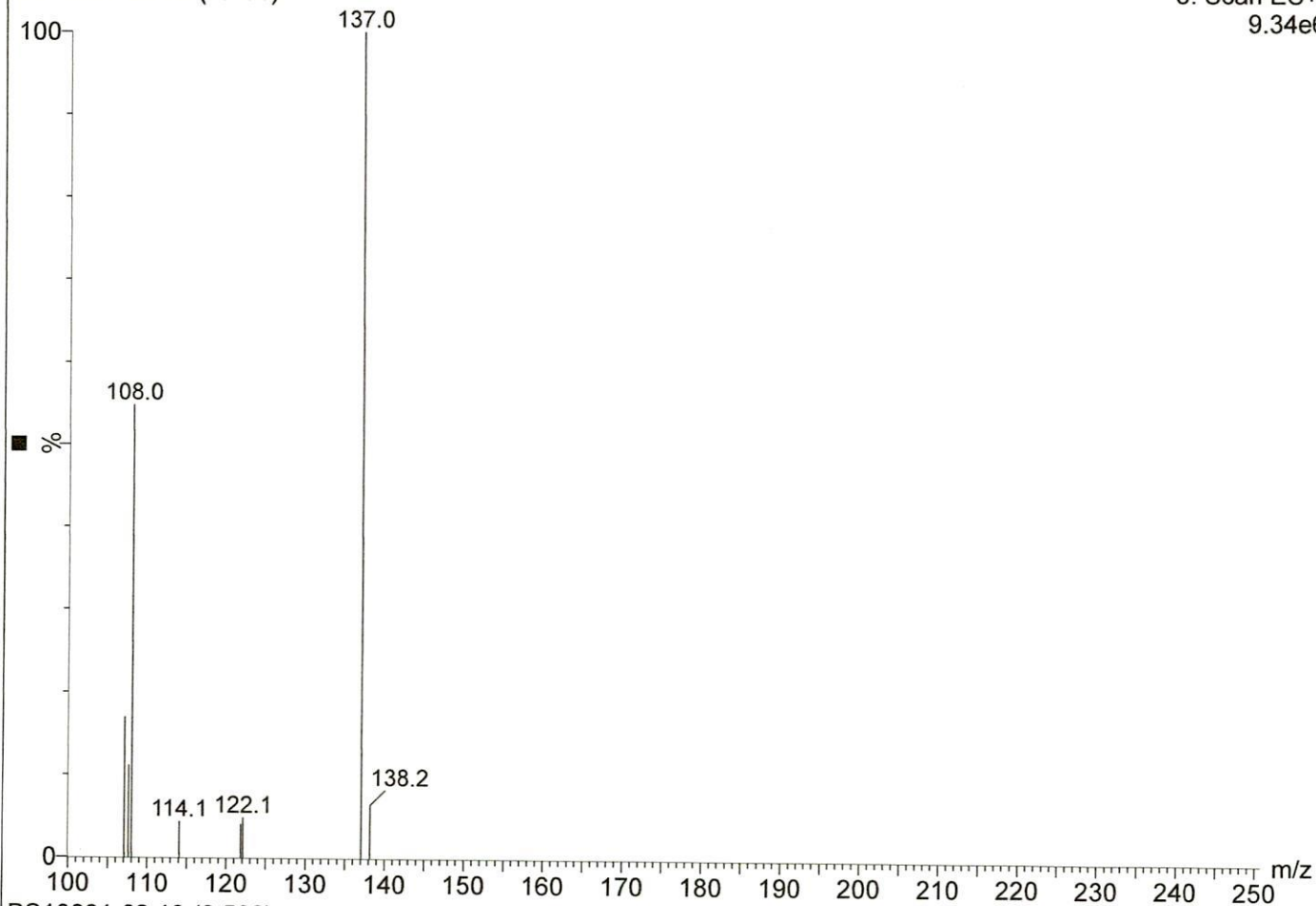
06/11/2023

Instrument Name: SA/AD/INS/015

Vial Position: 41
06-Nov-2023 18:33:12

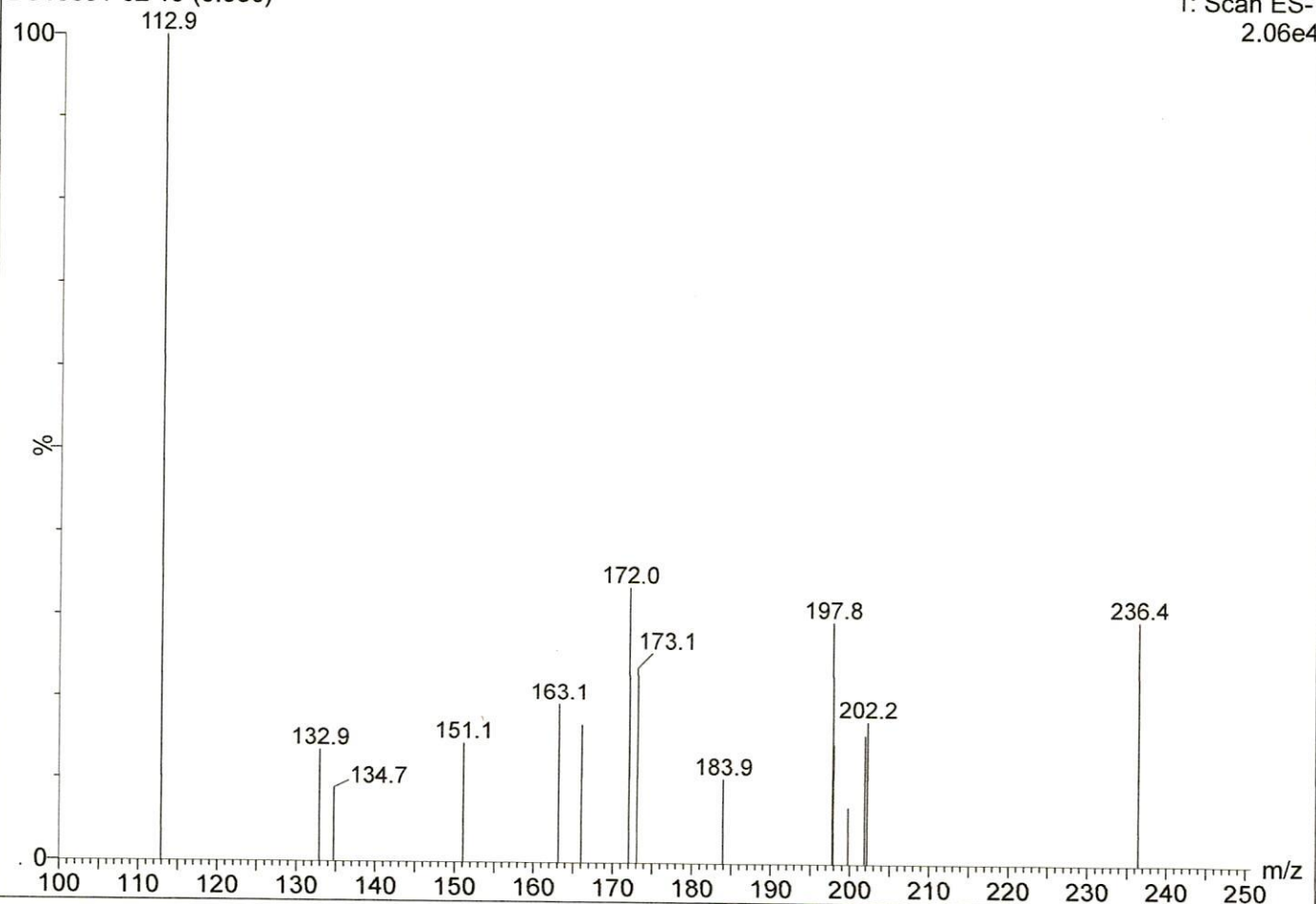
BS10691-02 16 (0.506)

3: Scan ES+
9.34e6



BS10691-02 19 (0.580)

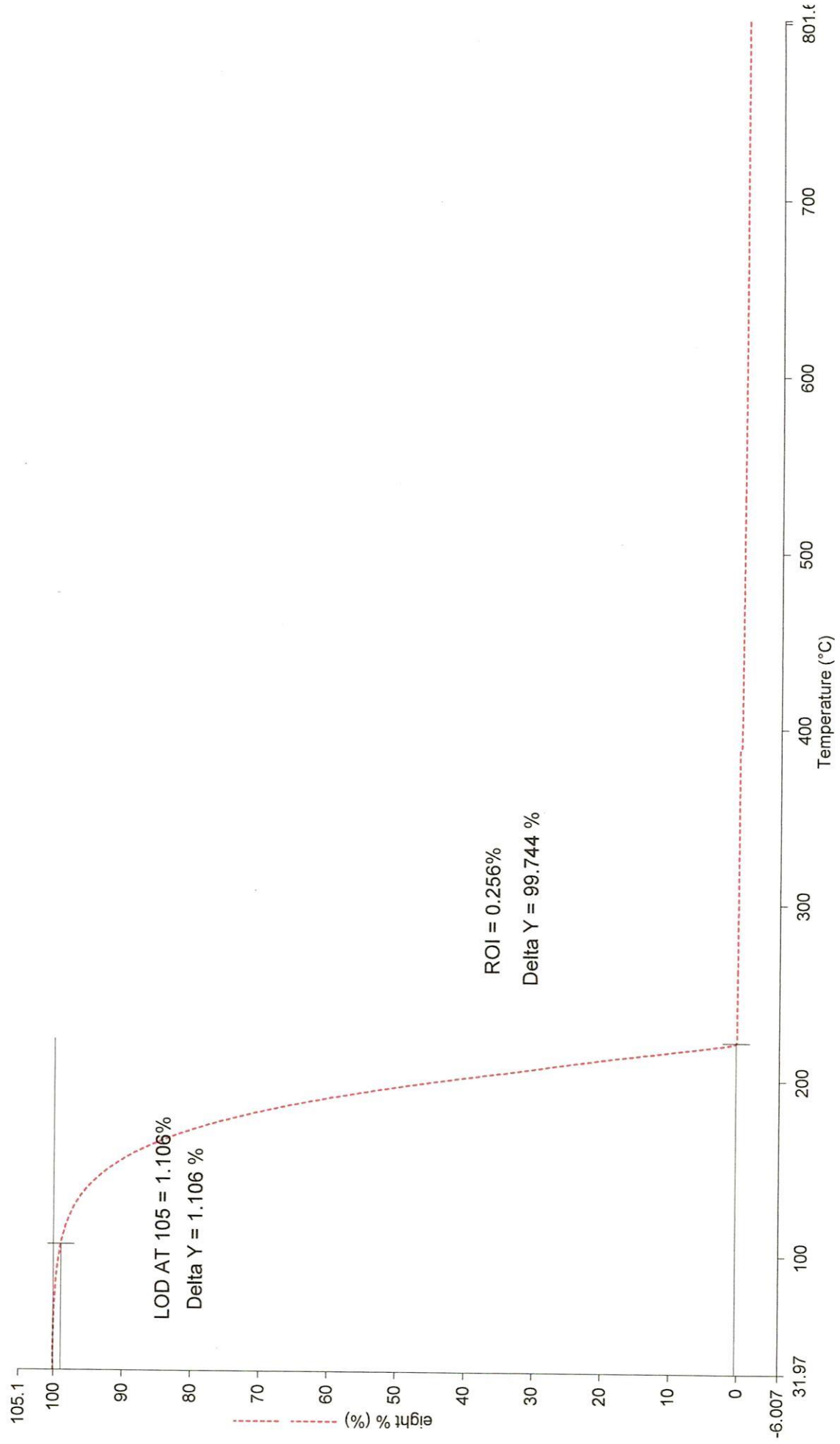
1: Scan ES-
2.06e4



06/11/2023

06/11/2023

Filename: D:\2023\NOV-23\06-11-2023\BS10691-02.fid
 Data Collected: 11/7/2023 2:10:46 AM
 Operator ID: SPARK
 Sample ID: BS10691-02
 Sample Weight: 12.727 mg
 Comment: BS10691-02



11/7/2023 2:25:24 AM

- 1) Hold for 1.0 min at 30.00°C
- 2) Heat from 30.00°C to 800.00°C at 20.00°C/min
- 3) Hold for 1.0 min at 800.00°C

07/11/2023
 [Signature]

07/11/2023
 [Signature]