

Gas Chromatography Report

Organic Geochemistry Laboratory, Geological Survey of Canada - Calgary

Database Reference: Gas Chromatography Data for Crude Oils, Condensates and Rock Extracts,

Geoscience Data Repository, Lands and Minerals Sector, Natural Resources Canada

For data reference, general terms and conditions go to <http://open.canada.ca/en/open-government-licence-canada/>

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Sample ID: L02493

GSC Catalog No: C-559722

Acquisition Date: 1997-12-08

Location: 16-29-21-20W4

UWI: 100162902120W400

Upper Depth (m): 1318.0

Lower Depth (m): 1328.0

Fraction: gasoline

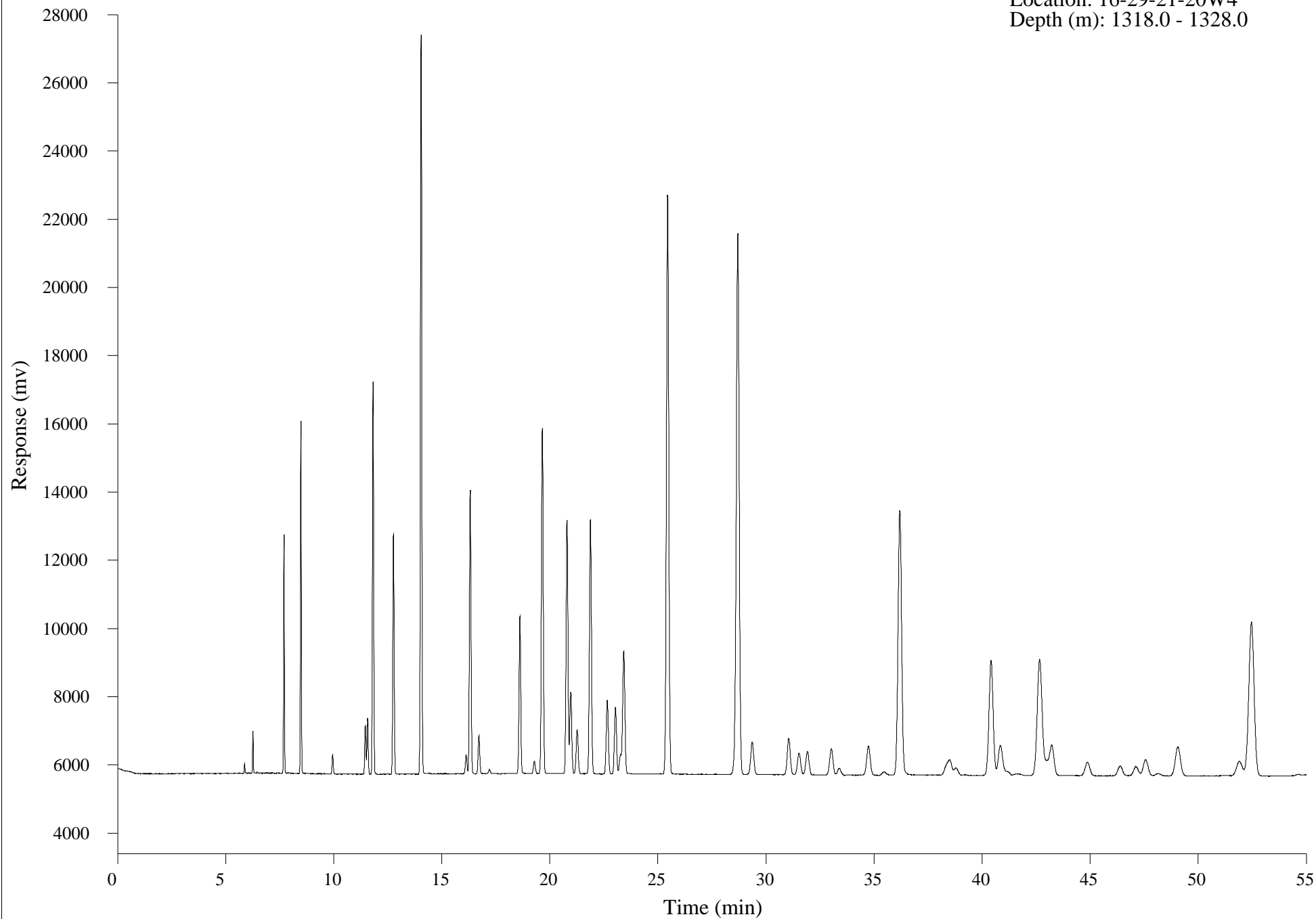
Instrument: HP 5890 GC

Column: DB-1, 60m x 0.32mm ID, 1.0 micrometer film thickness

Time	Compound Name	Area	Height
7.70	iC5	18464.00	6984.68
8.48	nC5	28849.00	10322.63
9.95	22DMC4	2141.00	581.26
11.46	CYC5	5436.00	1415.25
11.57	23DMC4	6665.00	1638.51
11.82	2MC5	45141.00	11491.00
12.77	3MC5	29810.00	7029.19
14.05	nC6	93967.00	21734.66
16.13	22DMC5	2862.00	546.20
16.32	MCYC5	42033.00	8322.86
16.72	24DMC5	5932.00	1115.78
17.21	223TMC4	649.00	116.94
18.61	BEN	24528.00	4593.63
19.29	33DMC5	2249.00	371.47
19.65	CYC6	59002.00	10128.87
20.80	2MC6	45029.00	7447.42
20.97	23DMC5	14877.00	2388.79
21.27	11DMCYC5	8457.00	1283.86
21.88	3MC6	48222.00	7454.73
22.66	1c3DMCYC5	14652.00	2153.45
23.04	1t3DMCYC5	13491.00	1949.41
23.42	1t2DMCYC5	26576.00	3591.24
25.45	nC7	126935.00	16970.53
28.70	MCYC6	147772.00	15869.04
29.37	22DMC6	9182.00	945.84
31.06	ECYC5	10356.00	1062.13
31.53	25DMC6	6449.00	626.31
31.92	24DMC6	7092.00	685.22
33.02	223TMC5	8493.00	771.30
35.46	234TMC5	961.00	86.33
36.19	TOL	89000.00	7746.00
40.42	2MC7	43586.00	3320.93
43.22	3MC7	14692.00	890.97
51.90	1c4DMCYC6	7465.00	413.92
52.47	nC8	78570.00	4499.22

Gasoline Gas Chromatogram

Lab Id: L02493
GSC No: C-559722
Location: 16-29-21-20W4
Depth (m): 1318.0 - 1328.0



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Sample ID: L02493

GSC Catalog No: C-559722

Acquisition Date: 1998-05-07

Location: 16-29-21-20W4

UWI: 100162902120W400

Upper Depth (m): 1318.0

Lower Depth (m): 1328.0

Fraction: saturate

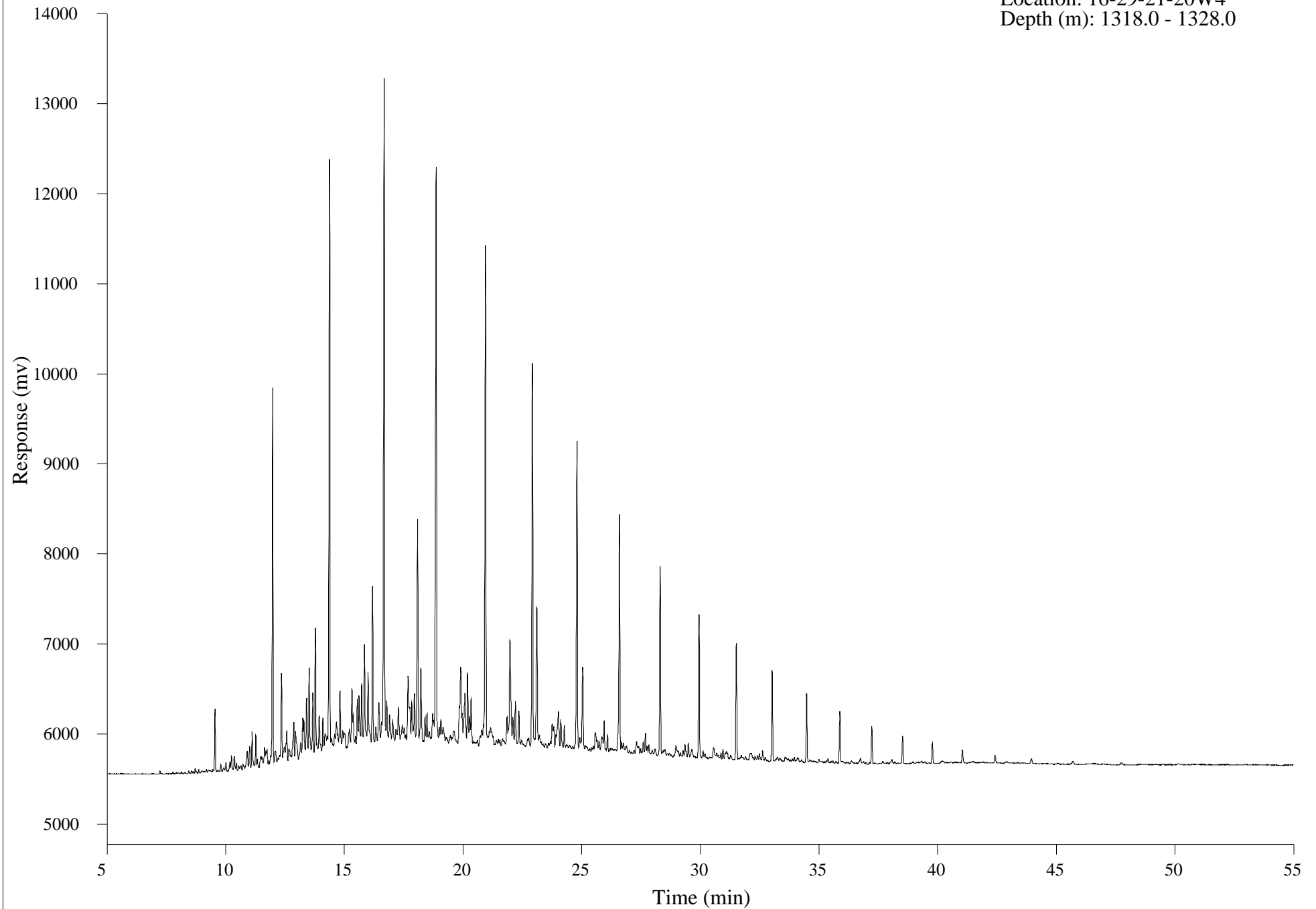
Instrument: Varian 3800 GC

Column: DB-1, 30m x 0.25mm ID, 0.25 micrometers film thickness

Time	Compound Name	Area	Height
9.55	C11	1579.13	697.34
11.98	C12	10017.04	4166.20
14.38	C13	17610.43	6568.30
16.68	C14	21766.60	7364.91
18.87	C15	18998.65	6397.82
20.95	C16	15873.54	5472.71
22.93	C17	12098.91	4225.11
23.11	Pr	4876.94	1519.42
24.80	C18	9471.01	3411.10
25.04	Ph	3119.30	925.96
26.59	C19	7490.40	2614.53
28.31	C20	5703.94	2107.89
29.95	C21	4332.16	1606.47
31.52	C22	3455.15	1291.76
33.03	C23	2779.78	1006.21
34.48	C24	2040.35	765.81
35.88	C25	1558.06	570.34
37.22	C26	1133.81	411.59
38.52	C27	885.54	304.27
39.78	C28	644.91	229.36
41.04	C29	491.15	146.23
42.42	C30	285.03	83.78
43.95	C31	223.22	55.18
45.70	C32	163.82	33.83

Saturated Hydrocarbons Gas Chromatogram

Lab Id: L02493
GSC No: C-559722
Location: 16-29-21-20W4
Depth (m): 1318.0 - 1328.0



Gas Chromatography - Mass Spectrometry Report

Organic Geochemistry Laboratory, Geological Survey of Canada - Calgary

Database Reference: Gas Chromatography - Mass Spectrometry Data for Crude Oils, Condensates and Rock Extracts,
Geoscience Data Repository, Lands and Minerals Sector, Natural Resources Canada

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Sample ID: L02493

GSC Catalog No: C-559722

Acquisition Date: 1998-06-04

Location: 16-29-21-20W4

UWI: 100162902120W400

Upper Depth (m): 1318.0

Lower Depth (m): 1328.0

Fraction: saturate

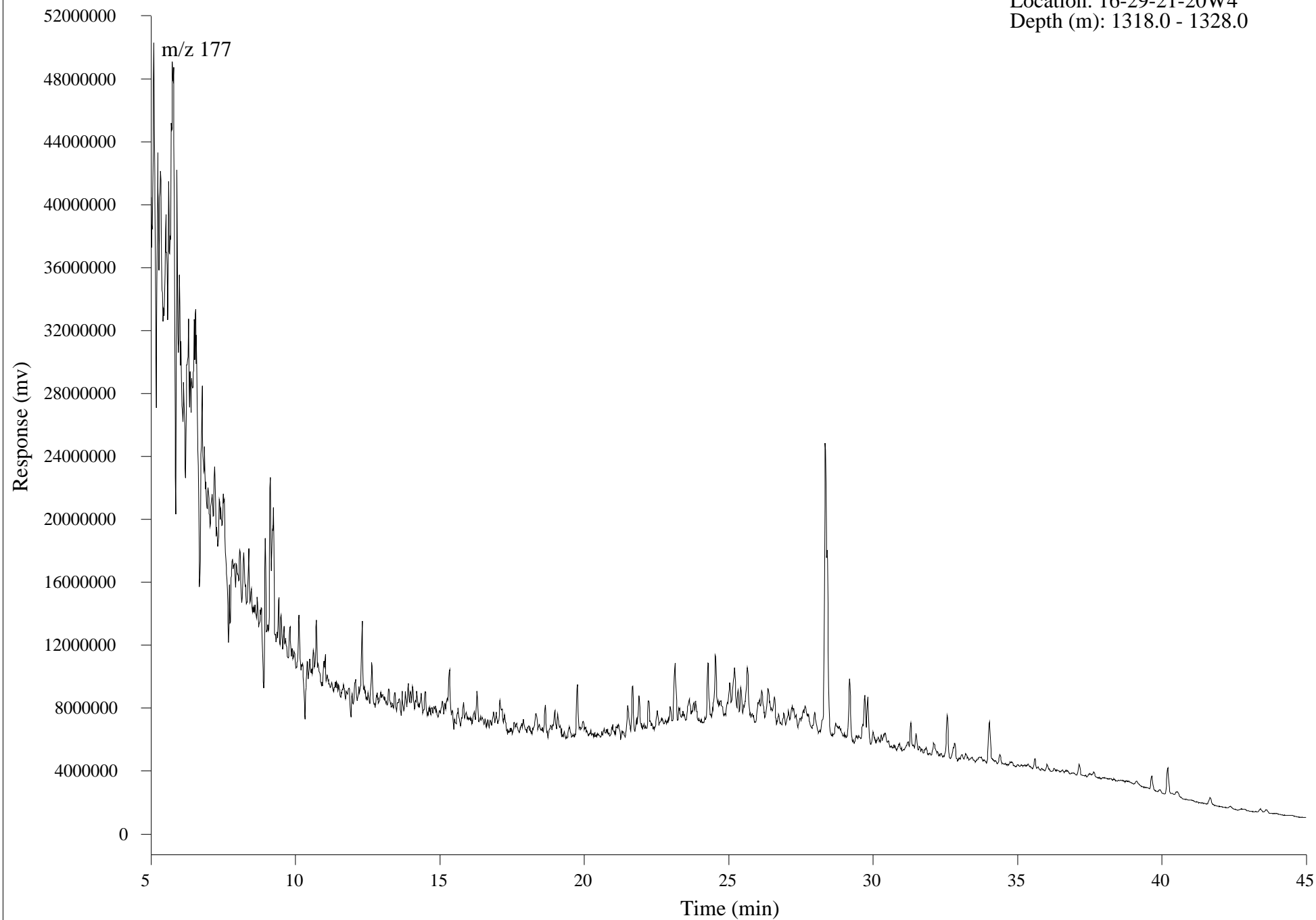
Instrument: HP 5890 GC/VG70SQ MS

MS Mode: Selected Ion Monitoring + EI

Column: DB-5ms, 30m x 0.32mm ID, 0.25 micrometers film thickness

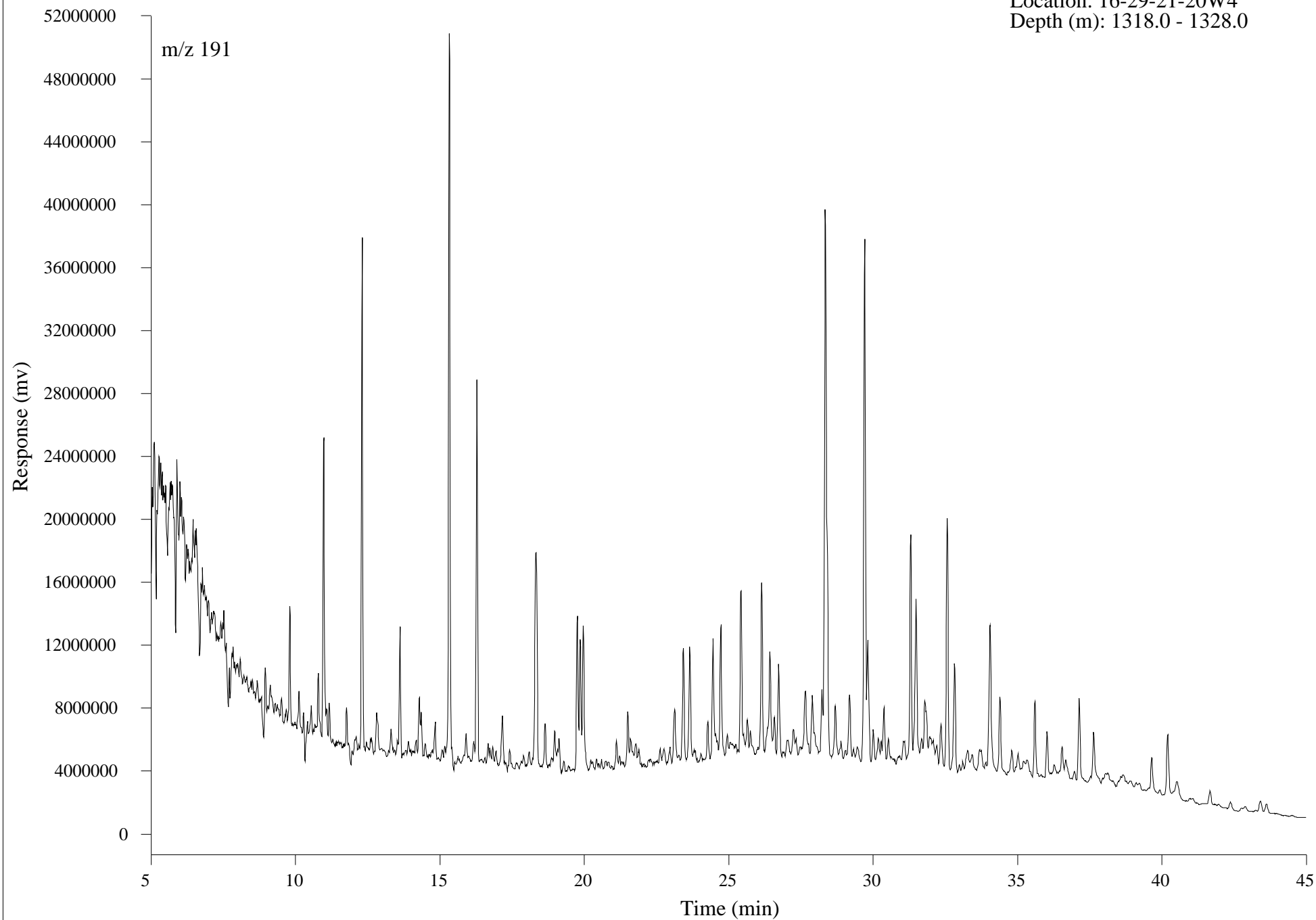
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02493
GSC No: C-559722
Location: 16-29-21-20W4
Depth (m): 1318.0 - 1328.0



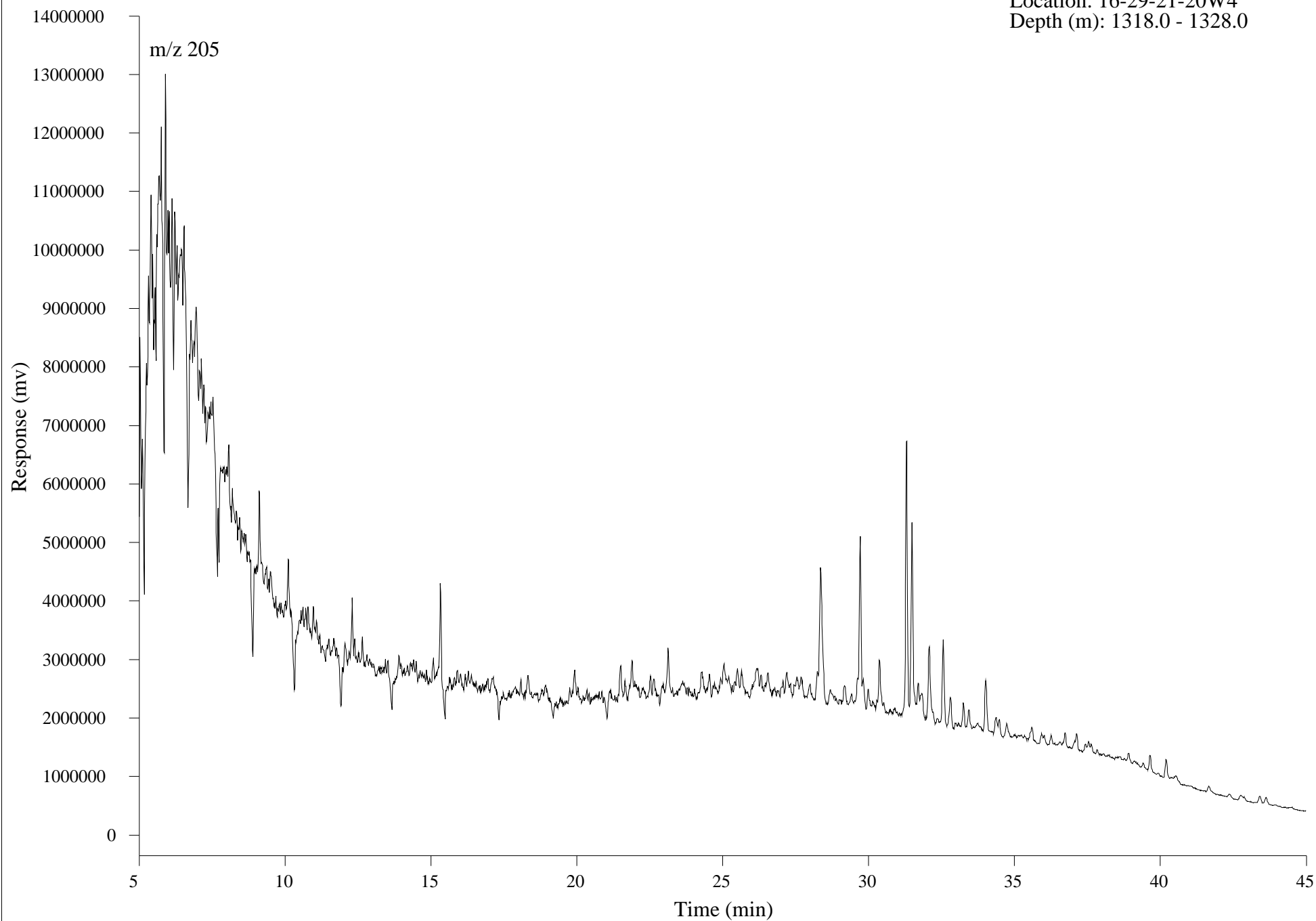
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02493
GSC No: C-559722
Location: 16-29-21-20W4
Depth (m): 1318.0 - 1328.0



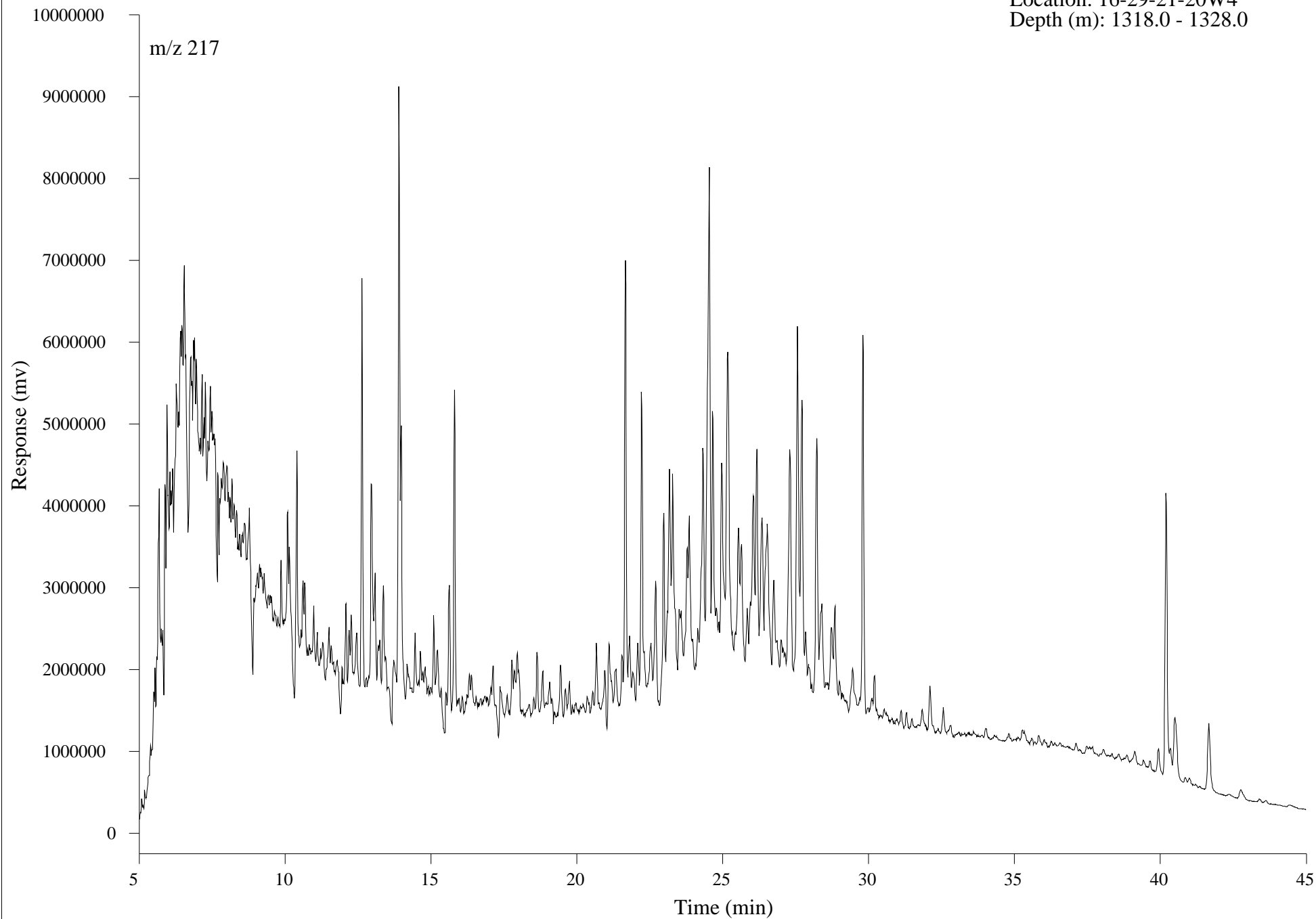
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02493
GSC No: C-559722
Location: 16-29-21-20W4
Depth (m): 1318.0 - 1328.0



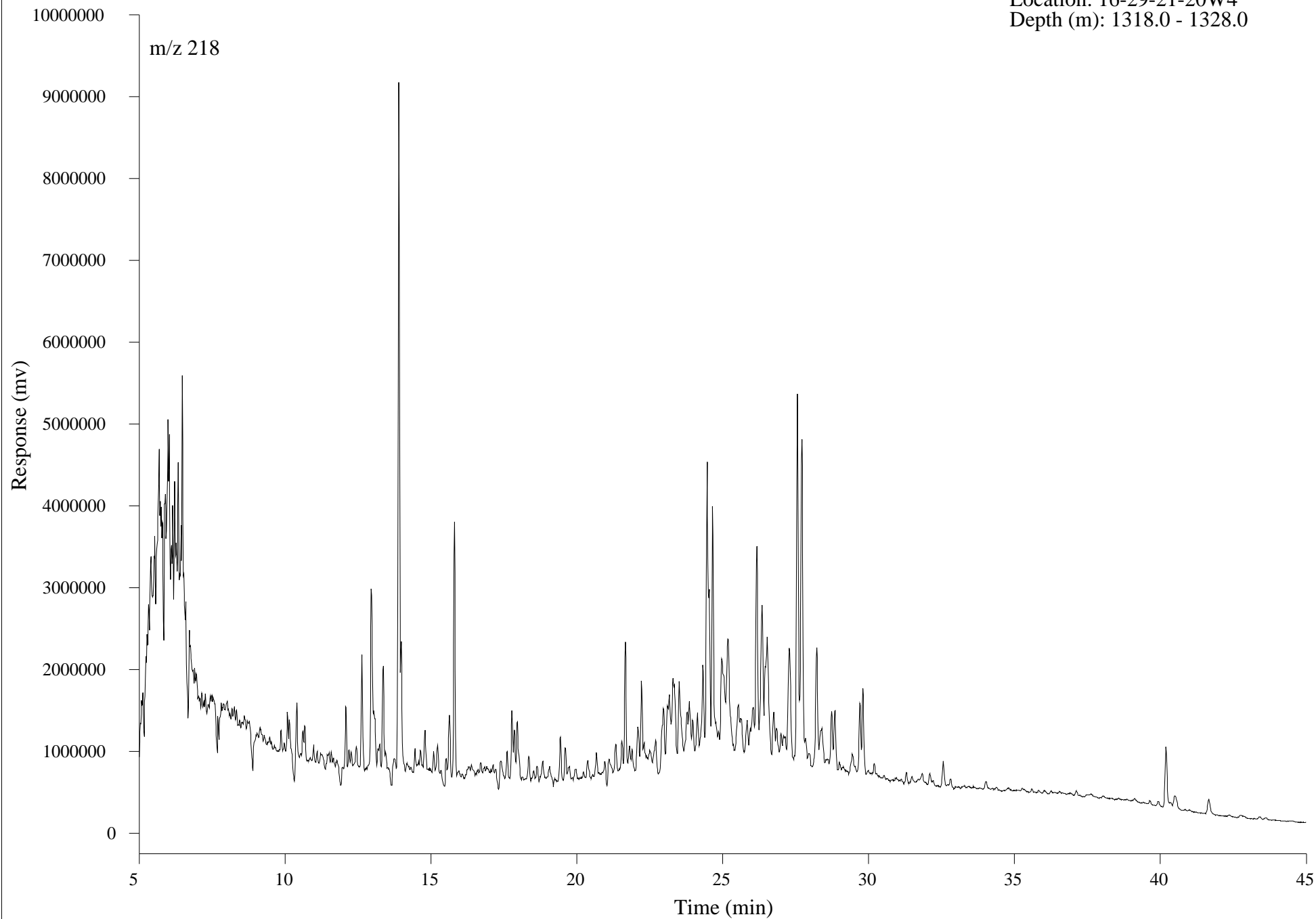
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02493
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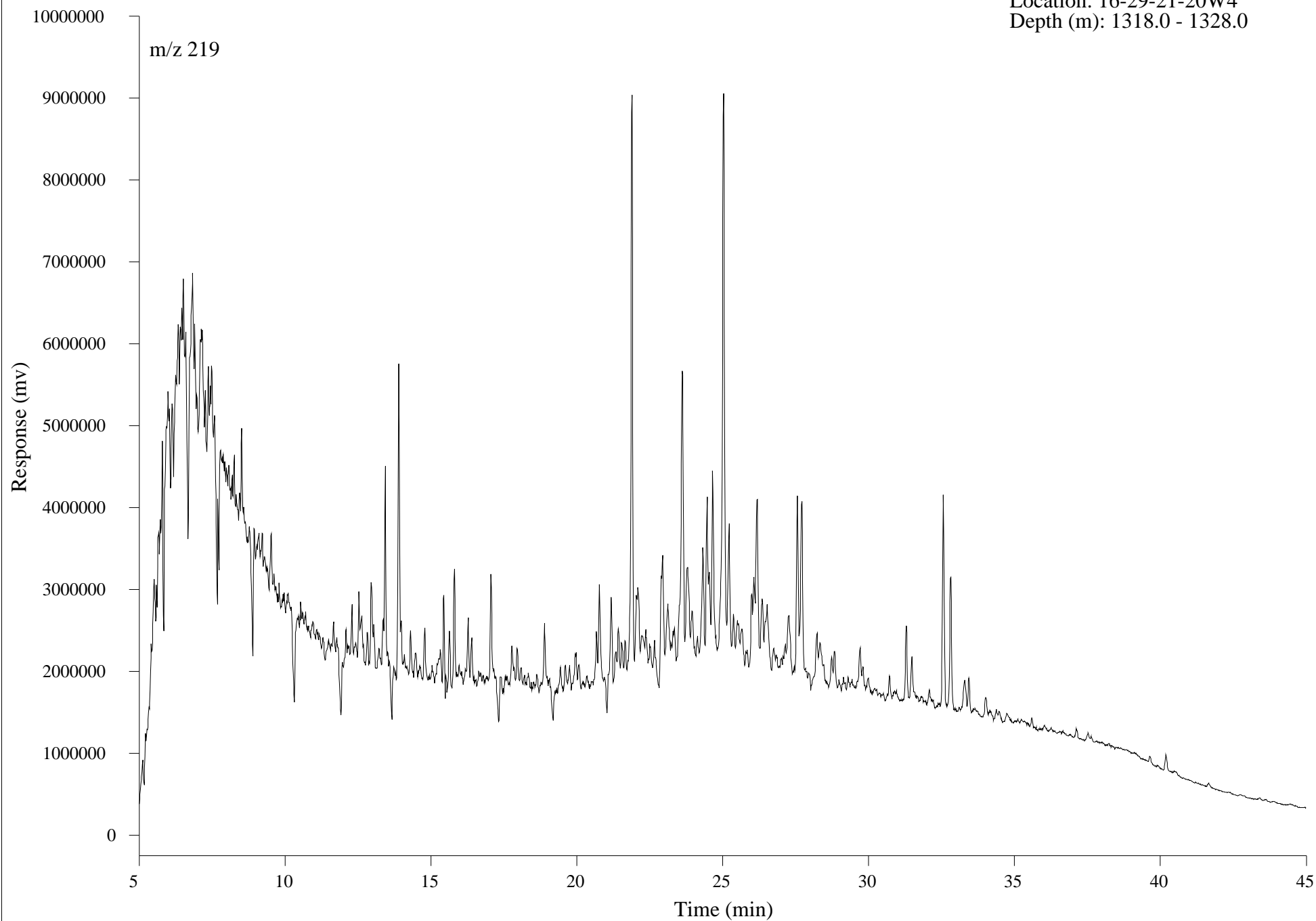
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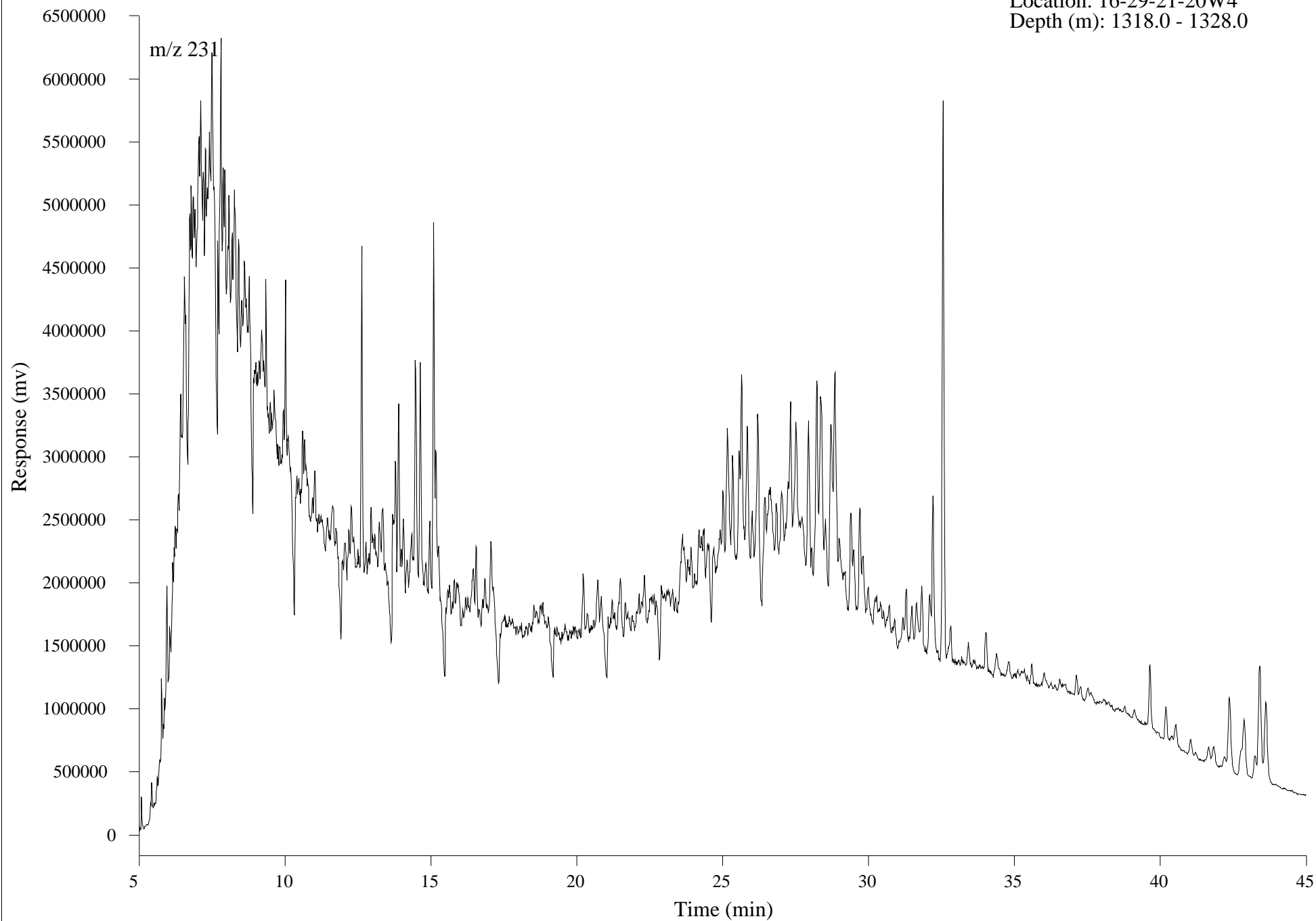
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Saturated Hydrocarbons Mass Chromatogram

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Depth (m): 1318.0 - 1328.0



Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02493
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Depth (m): 1318.0 - 1328.0

