

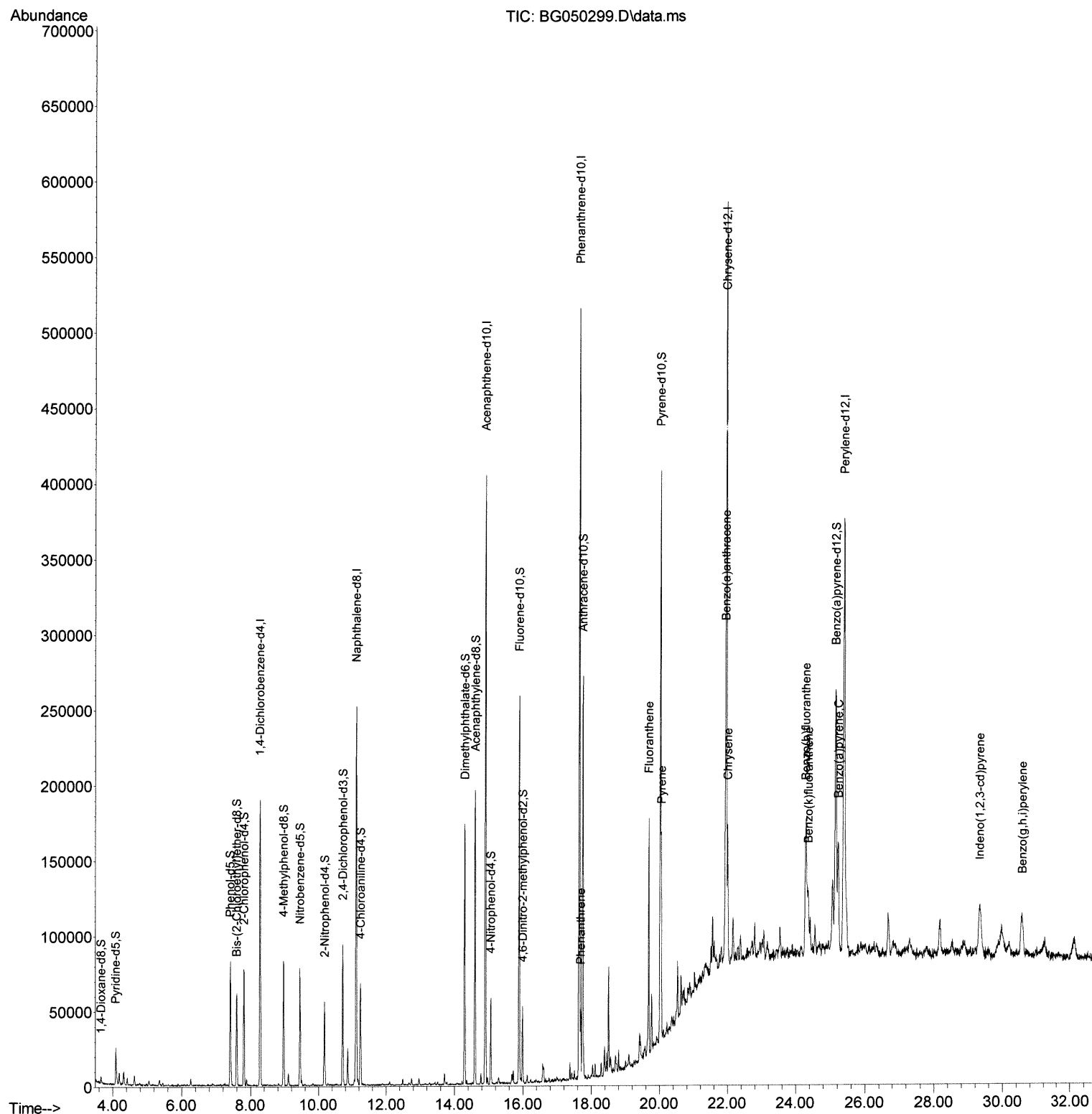
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050299.D
Acq On : 29 Sep 2021 00:25
Operator : CG/JU
Sample : M3755-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C0AA6

Manual Integrations
APPROVED

mohammad
9/29/2021 12:53:38 PM

Quant Time: Sep 29 02:13:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration



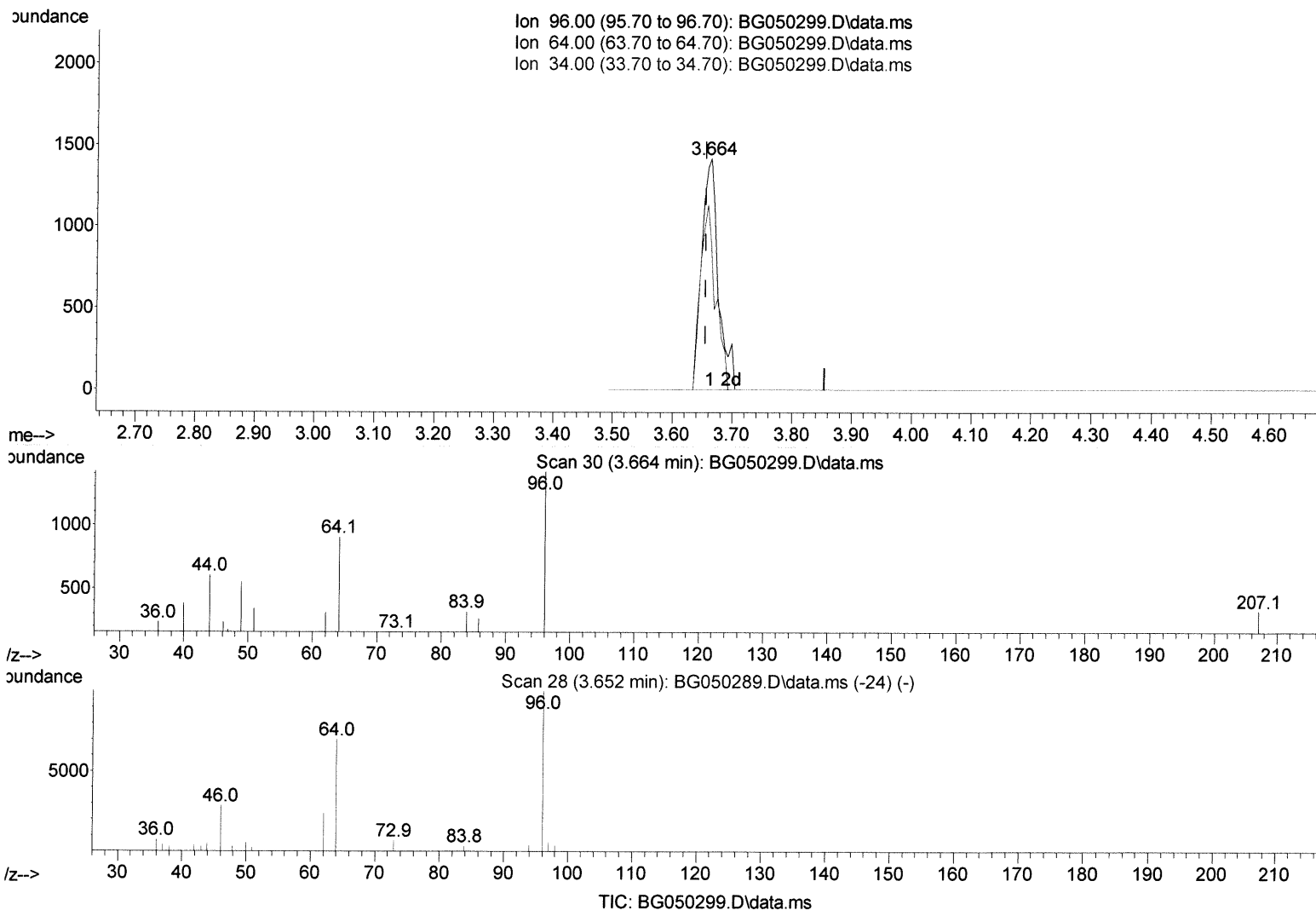
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(3) 1,4-Dioxane-d8 (S)

3.664min (+ 0.009) 2.48 ng/uL

response 2683

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	63.40	63.54
34.00	0.00	0.00
0.00	0.00	0.00

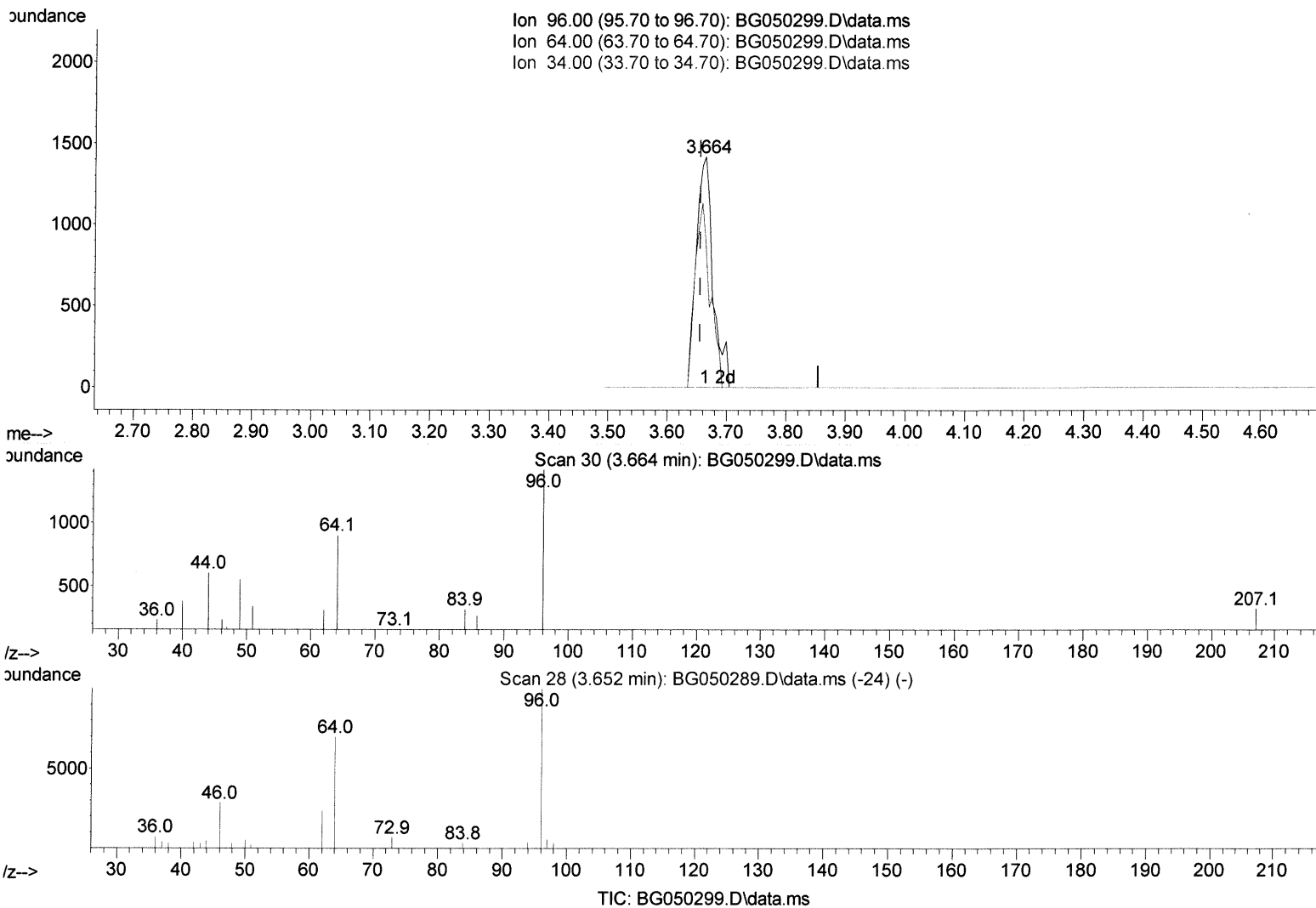
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(3) 1,4-Dioxane-d8 (S)

3.664min (+ 0.009) 2.57 ng/uL m 34 10/04/21

response	2783	
Ion	Exp%	Act%
96.00	100.00	100.00
64.00	63.40	63.54
34.00	0.00	0.00
0.00	0.00	0.00

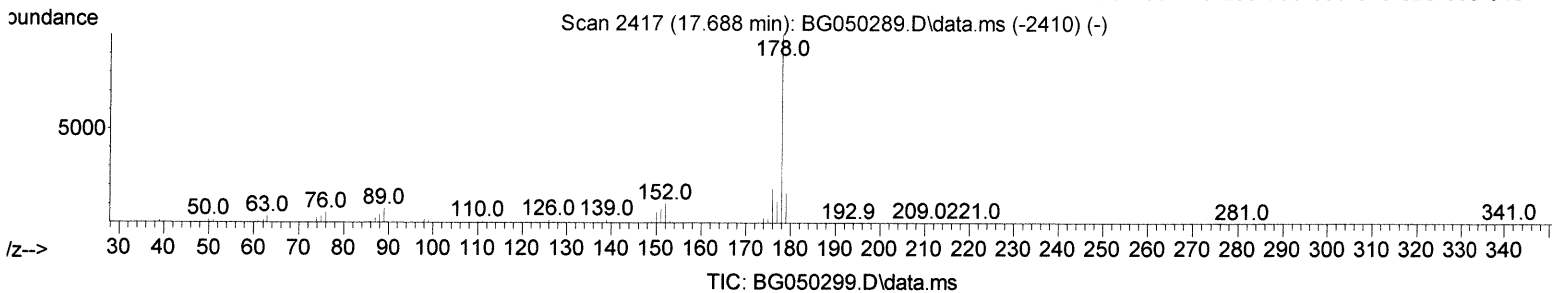
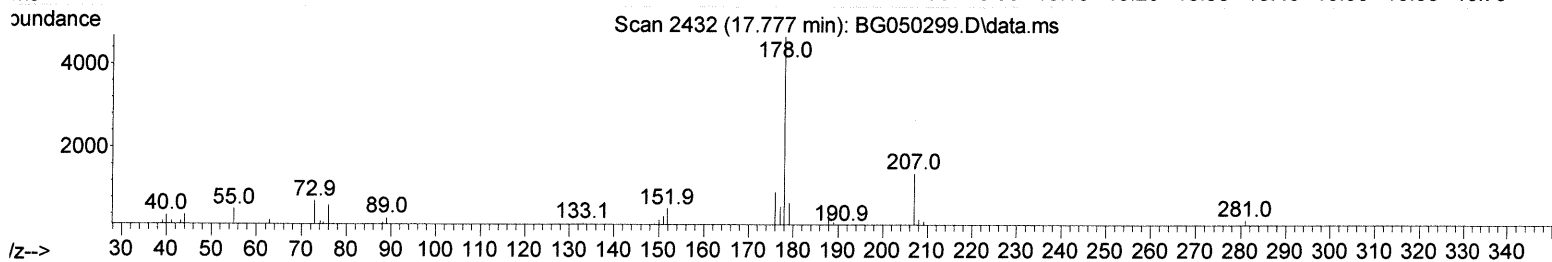
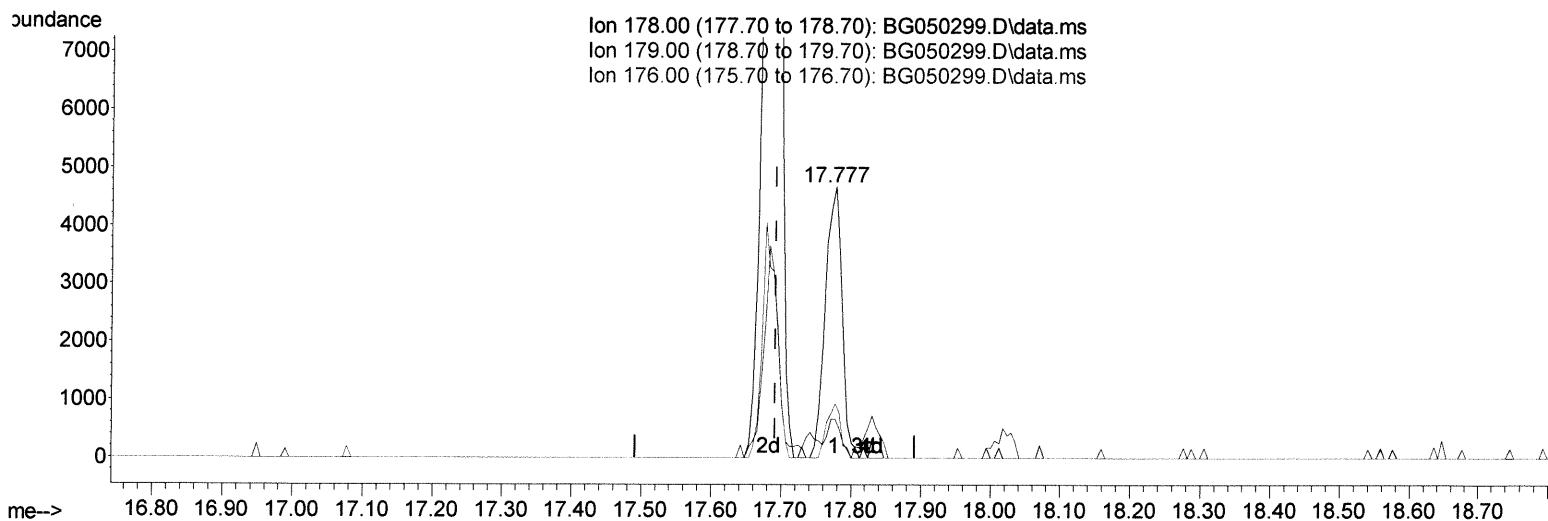
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(72) Phenanthrene

17.777min (+ 0.085) 0.50 ng/ul

response 7785

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.60	14.27
176.00	20.20	19.98
0.00	0.00	0.00

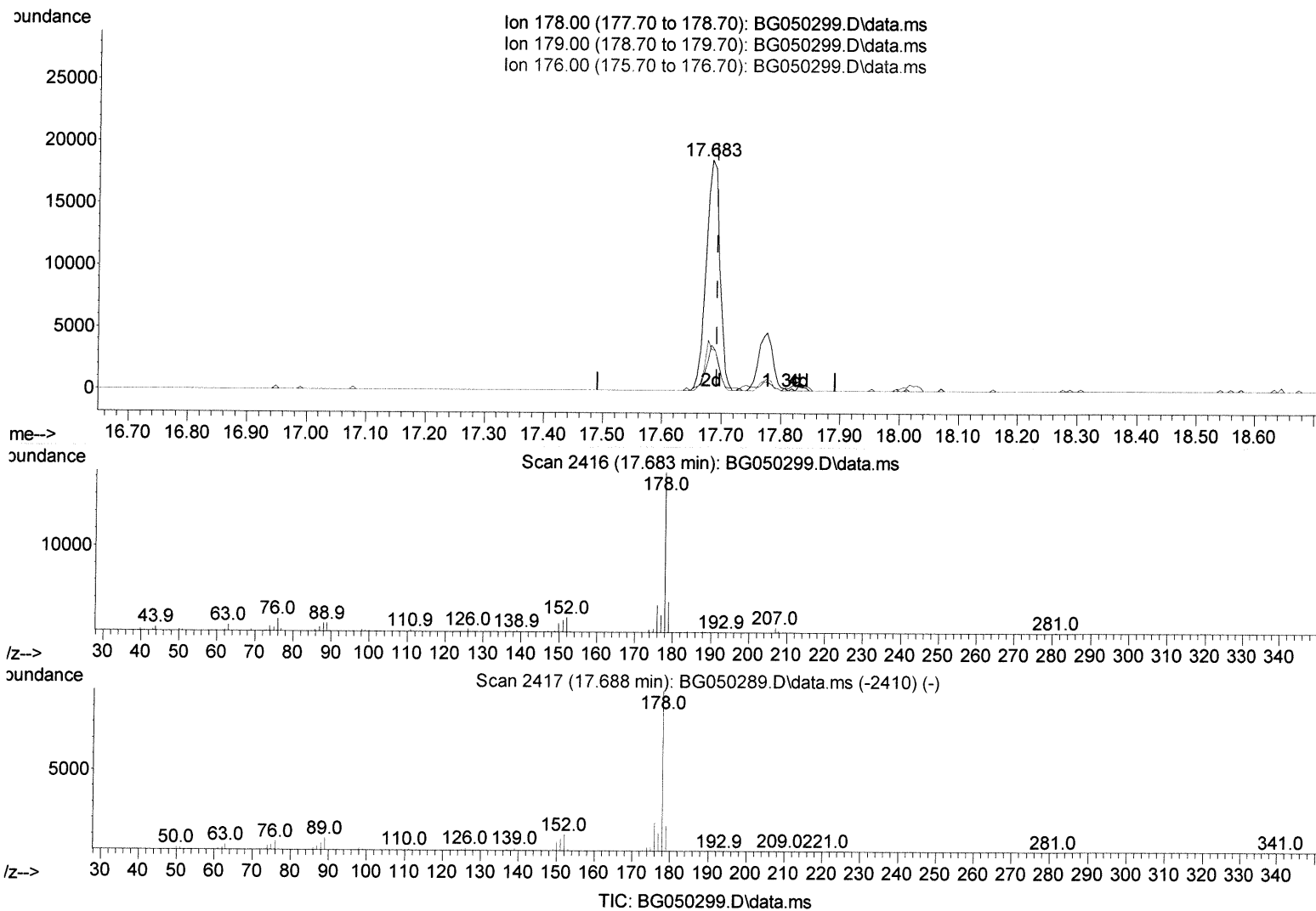
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(72) Phenanthrene

17.683min (-0.009) 1.87 ng/ul m

response 29362

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.60	19.66#
176.00	20.20	17.72
0.00	0.00	0.00

Ju 10/04/21

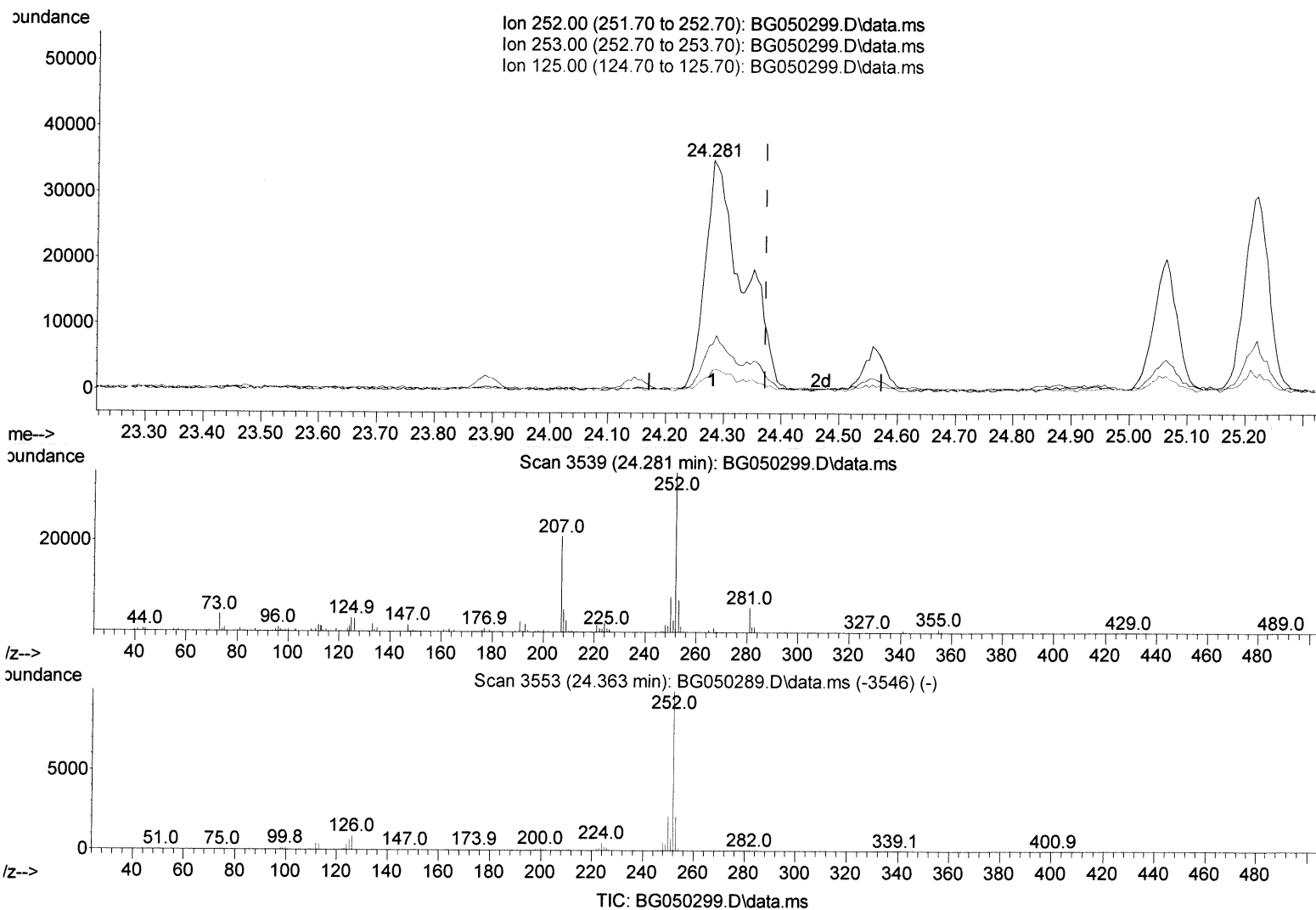
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(91) Benzo(k)fluoranthene

24.281min (-0.091) 6.50 ng/ul

response 117981

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	20.25
125.00	5.10	8.97#
0.00	0.00	0.00

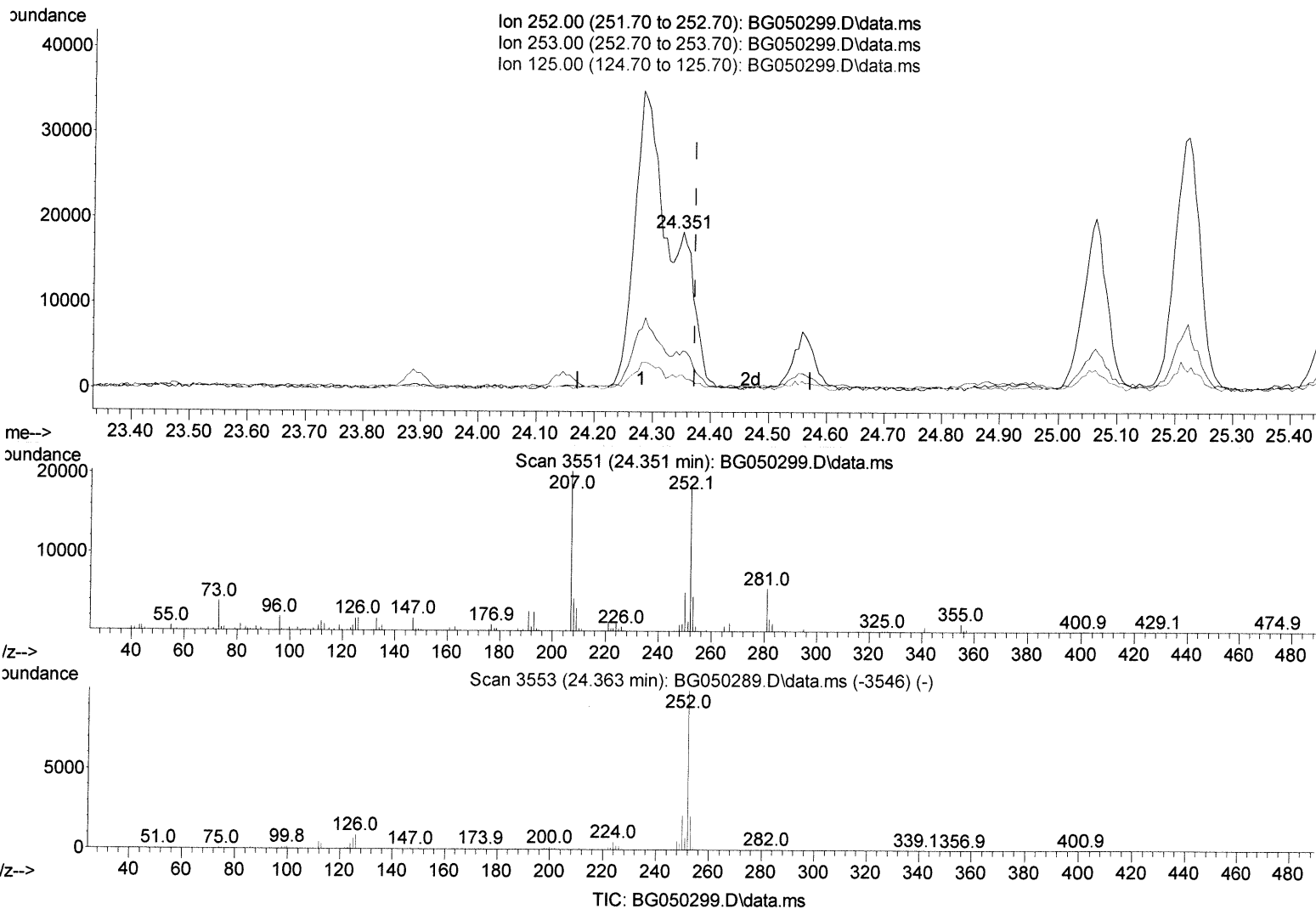
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
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(91) Benzo(k)fluoranthene

24.351min (-0.021) 2.28 ng/ul m *JU 10/04/21*

response 41342

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	24.42
125.00	5.10	8.85#
0.00	0.00	0.00

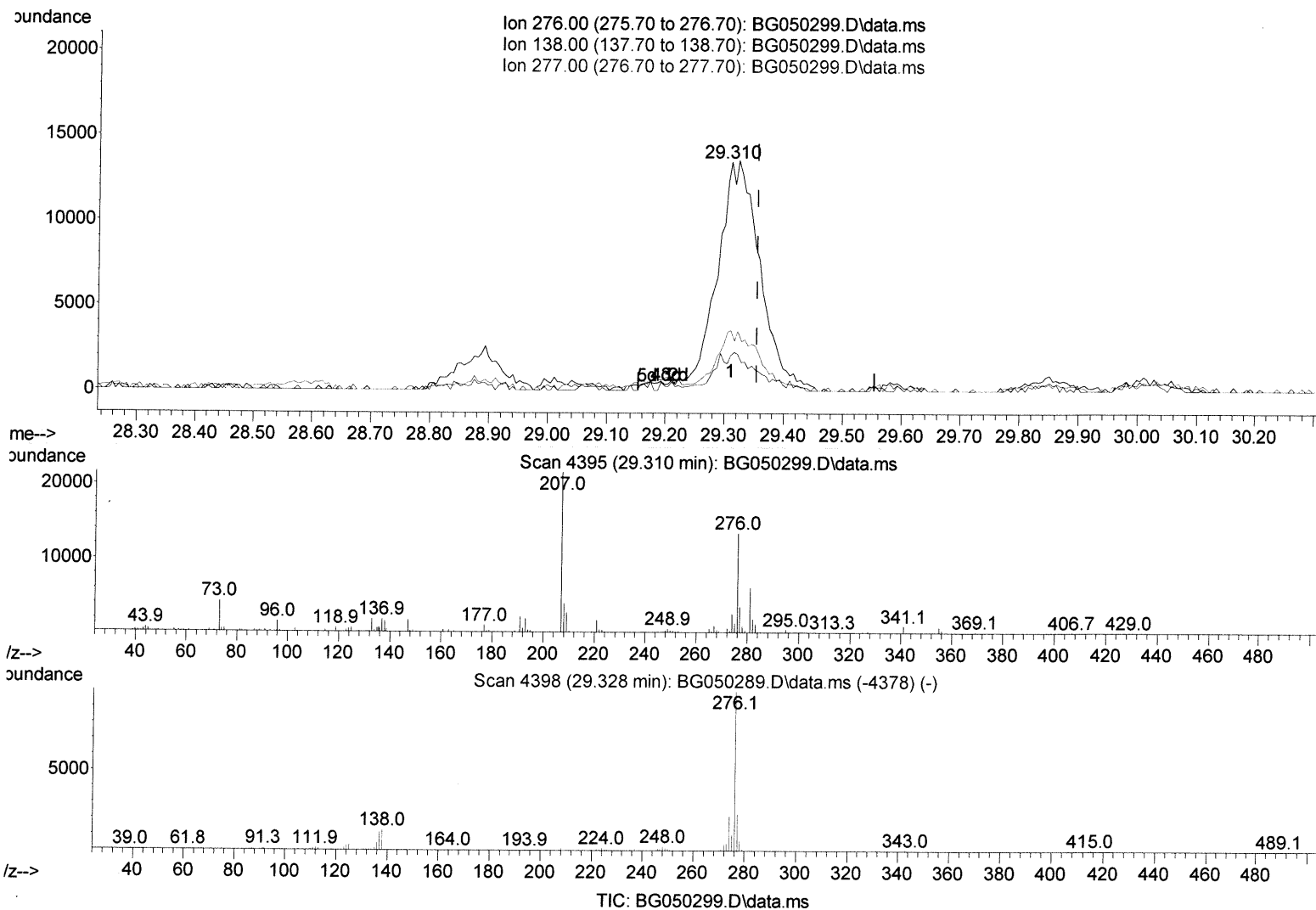
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 Sample : M3755-01
 Misc :
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Instrument :
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(94) Indeno(1,2,3-cd)pyrene

29.310min (-0.044) 1.29 ng/ul

response 27736

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	15.38#
277.00	23.20	26.36
0.00	0.00	0.00

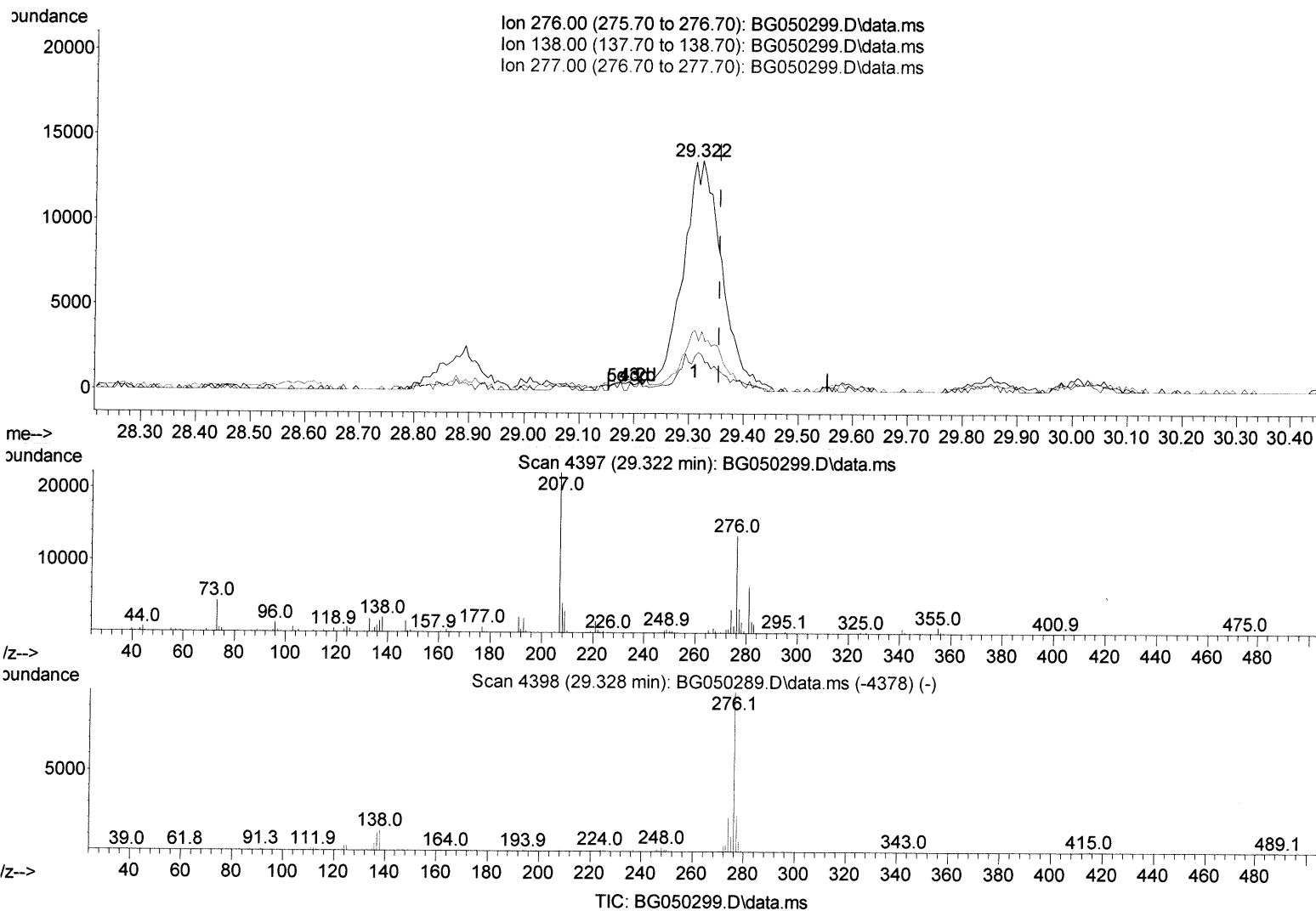
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
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(94) Indeno(1,2,3-cd)pyrene

29.322min (-0.032) 3.17 ng/ul m *JU 10/04/21*

response 67938

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	15.77#
277.00	23.20	25.72
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
C0AA6

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The figure displays a Total Ion Chromatogram (TIC) and two mass spectra for compound 1.

Top Panel: Total Ion Chromatogram (TIC)
The y-axis represents 'abundance' (0 to 15000) and the x-axis represents 'me-->' (29.50 to 31.50 minutes). The plot shows three traces: a top trace (BG050299.D\data.ms, Ion 276.00), a middle trace (BG050299.D\data.ms, Ion 138.00), and a bottom trace (BG050299.D\data.ms, Ion 277.00). A major peak is labeled '1' at 30.544 minutes, with a sub-label '30.544' above it. Other peaks are labeled '2d', '3d', and '4d' around 30.7-30.8 minutes. A smaller peak is visible around 31.2 minutes.

Bottom Panel: Mass Spectra
The y-axis represents 'abundance' (0 to 20000) and the x-axis represents 'm/z-->' (40 to 480). Two mass spectra are shown:
1. **Scan 4605 (30.544 min):** BG050299.D\data.ms. The base peak is at m/z 207.0. Other significant peaks are at m/z 44.0, 73.0, 96.0, 119.0, 147.0, 177.0, 248.9, 276.1, 295.0, 327.0, 355.0, 401.1, and 429.0.
2. **Scan 4609 (30.567 min):** BG050289.D\data.ms (-4587) (-). The base peak is at m/z 276.0. Other significant peaks are at m/z 39.0, 63.0, 91.0, 111.0, 138.0, 164.9, 198.0, 221.9, 248.0, 295.1, 339.0, 369.1, 401.9, 429.1, and 489.1.

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	13.39#
277.00	21.70	25.81
0.00	0.00	0.00

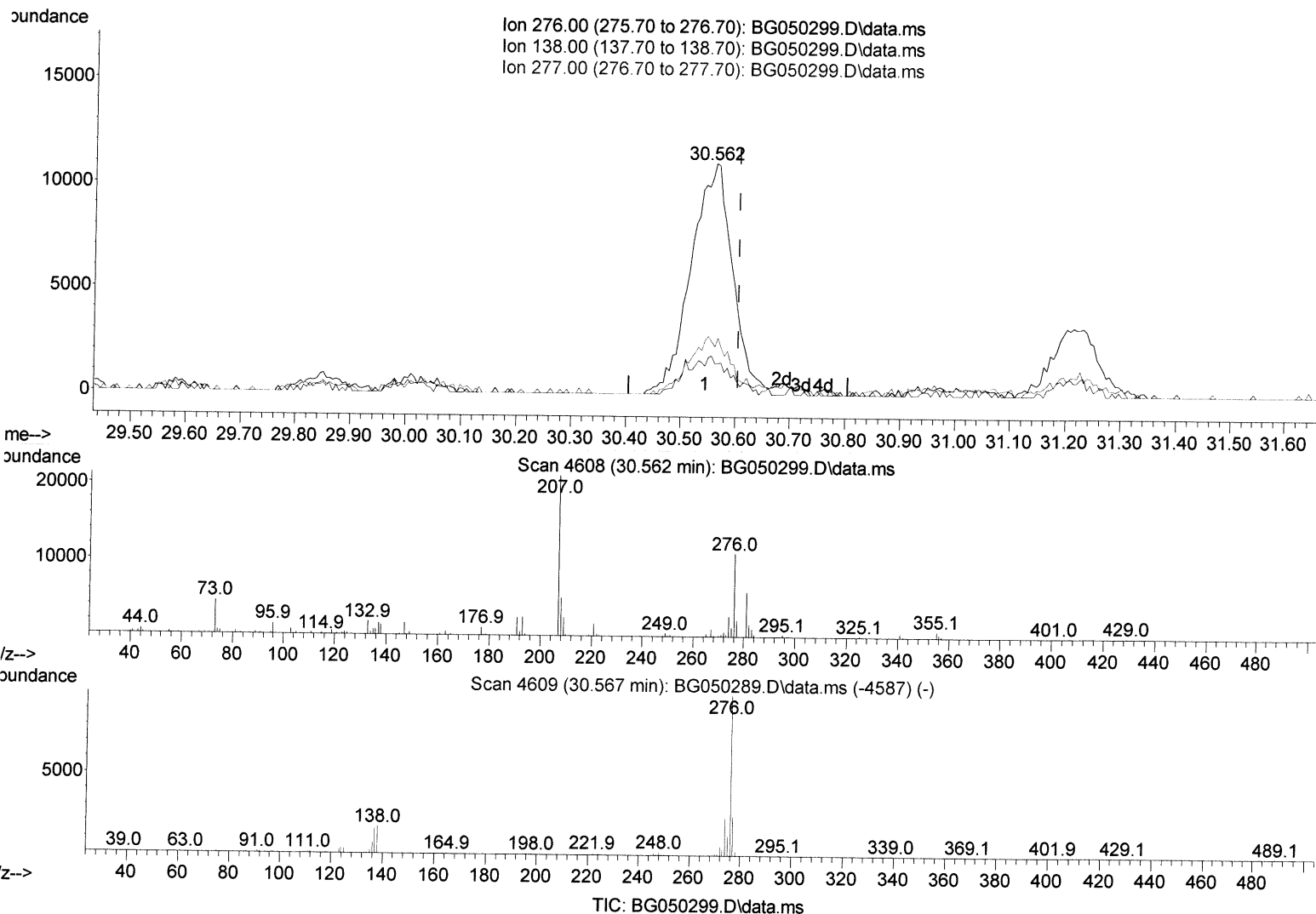
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(96) Benzo(g,h,i)perylene

30.562min (-0.044) 3.17 ng/ul m *5410/24/21*

response 58177

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	13.33#
277.00	21.70	20.73
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.282	152	52288	20.000	ng/ul	0.00
20) Naphthalene-d8	11.108	136	207609	20.000	ng/ul	#-0.01
38) Acenaphthene-d10	14.898	164	144566	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.642	188	315831	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.948	240	305661	20.000	ng/ul	# 0.00
88) Perylene-d12	25.385	264	330139	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.664	96	2783m	2.574	ng/ul	0.00
4) Pyridine-d5	4.093	84	15843	4.862	ng/ul	0.00
7) Phenol-d5	7.412	99	47430	11.425	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.595	67	31356	13.013	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.806	132	33885	11.229	ng/ul	0.00
15) 4-Methylphenol-d8	8.969	113	31893	9.752	ng/ul	-0.01
21) Nitrobenzene-d5	9.451	128	18453	14.388	ng/ul	-0.01
24) 2-Nitrophenol-d4	10.180	143	17241	12.171	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.714	165	33995	10.287	ng/ul	0.00
31) 4-Chloroaniline-d4	11.237	131	35617	8.205	ng/ul	0.00
46) Dimethylphthalate-d6	14.293	166	110946	11.292	ng/ul	-0.01
49) Acenaphthylene-d8	14.598	160	143335	11.605	ng/ul	0.00
54) 4-Nitrophenol-d4	15.056	143	13245	7.990	ng/ul	-0.01
60) Fluorene-d10	15.885	176	105921	11.775	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.985	200	13242	9.897	ng/ul	0.00
73) Anthracene-d10	17.742	188	160672	11.944	ng/ul	0.00
81) Pyrene-d10	20.009	212	201298	12.164	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.145	264	195414	11.610	ng/ul	-0.02
Target Compounds						
72) Phenanthrene	17.683	178	29362m	1.873	ng/ul	Qvalue
80) Fluoranthene	19.680	202	94374	4.498	ng/ul#	94
82) Pyrene	20.045	202	89939	4.359	ng/ul#	93
85) Benzo(a)anthracene	21.925	228	75930	4.125	ng/ul	99
87) Chrysene	21.995	228	69677	3.905	ng/ul	94
90) Benzo(b)fluoranthene	24.281	252	117981	6.105	ng/ul#	94
91) Benzo(k)fluoranthene	24.351	252	41342m	2.278	ng/ul	94
93) Benzo(a)pyrene	25.221	252	90172	4.913	ng/ul#	90
94) Indeno(1,2,3-cd)pyrene	29.322	276	67938m	3.167	ng/ul	90
96) Benzo(g,h,i)perylene	30.562	276	58177m	3.170	ng/ul	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed