Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120121\
Data File : BG051289.D
Acq On : 1 Dec 2021 17:26
Operator : CG/JU
Sample : PB141089BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 01 18:10:53 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112321.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 24 06:04:50 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS089

Manual IntegrationsAPPROVED

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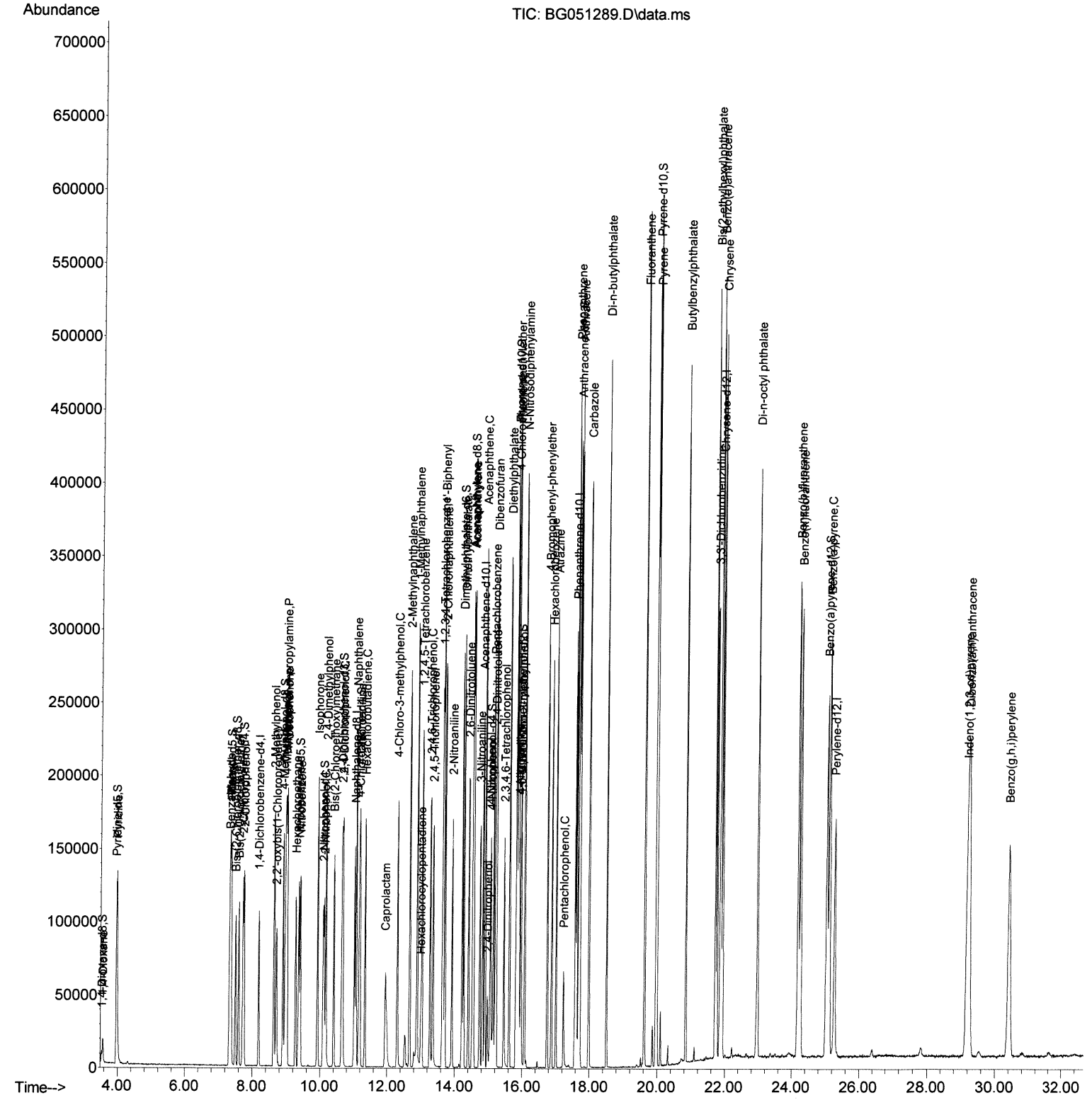
Supervised By :mohammad ahmed 12/05/2021



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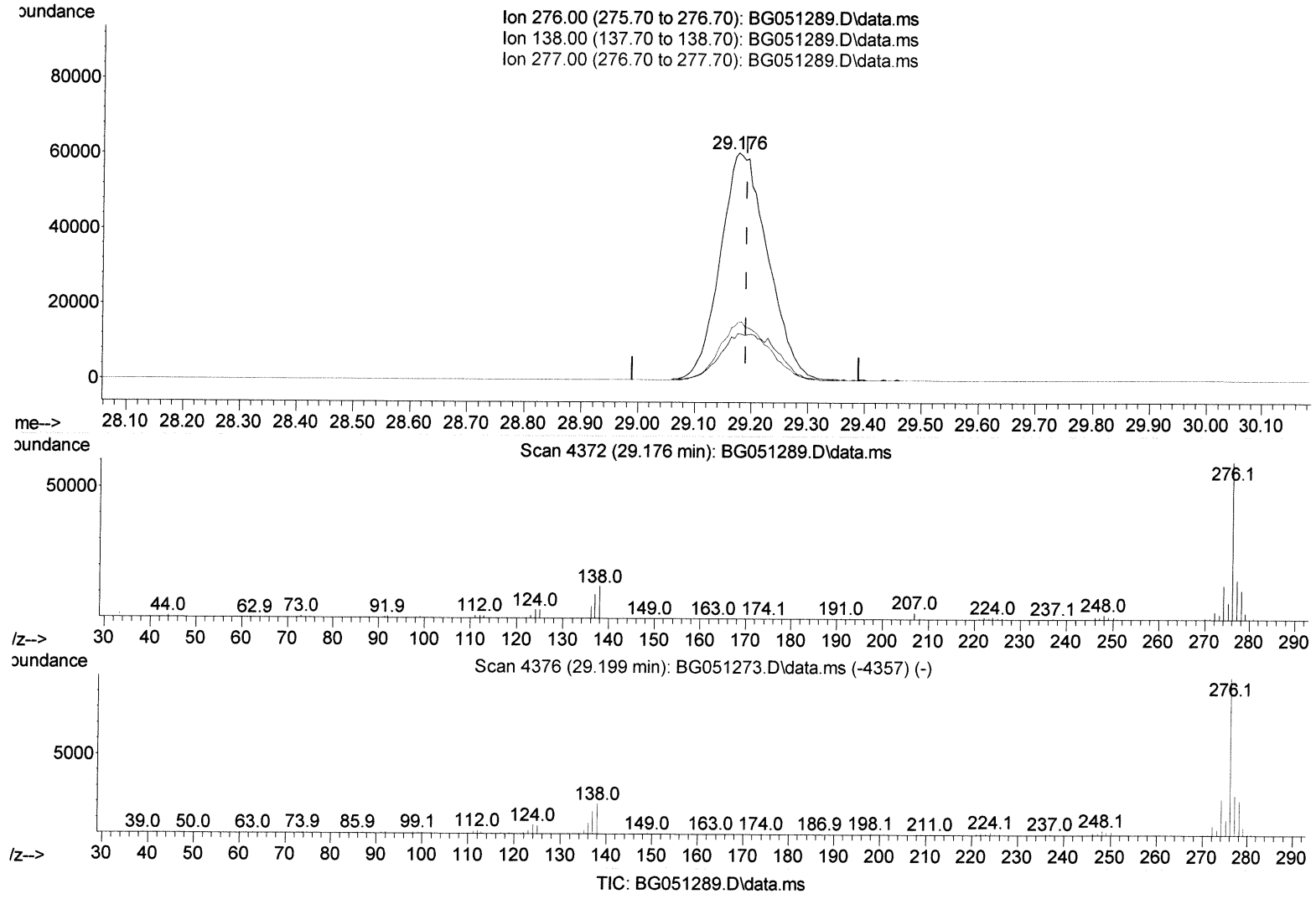

(94) Indeno(1,2,3-cd)pyrene

29.176min (-0.014) 15.30 ng/ul

response 191681

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	20.47
277.00	25.60	25.31
0.00	0.00	0.00

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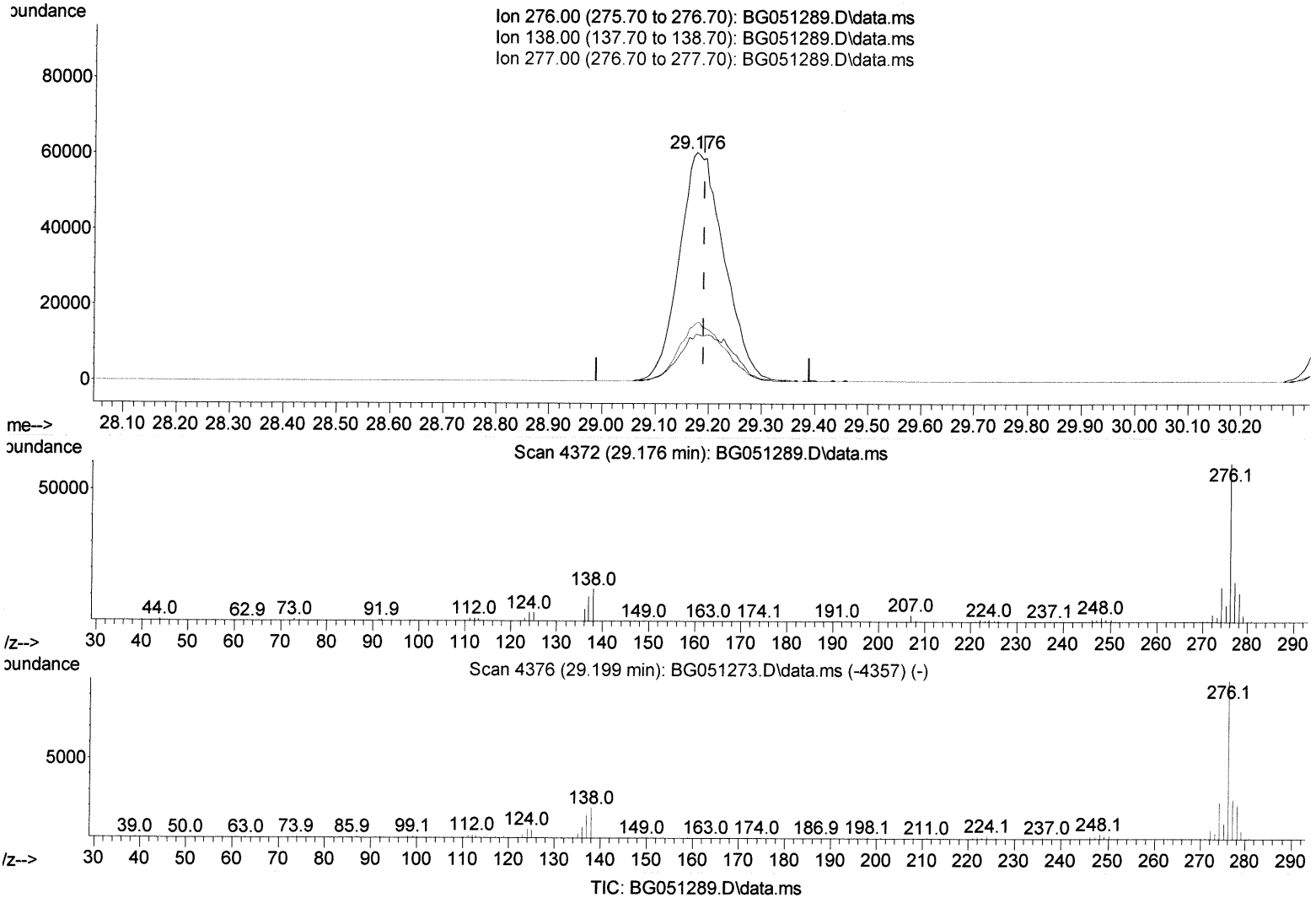

(94) Indeno(1,2,3-cd)pyrene

29.176min (-0.014) 28.24 ng/ul m 12/20/21 JU

response 353834

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	20.47
277.00	25.60	25.31
0.00	0.00	0.00

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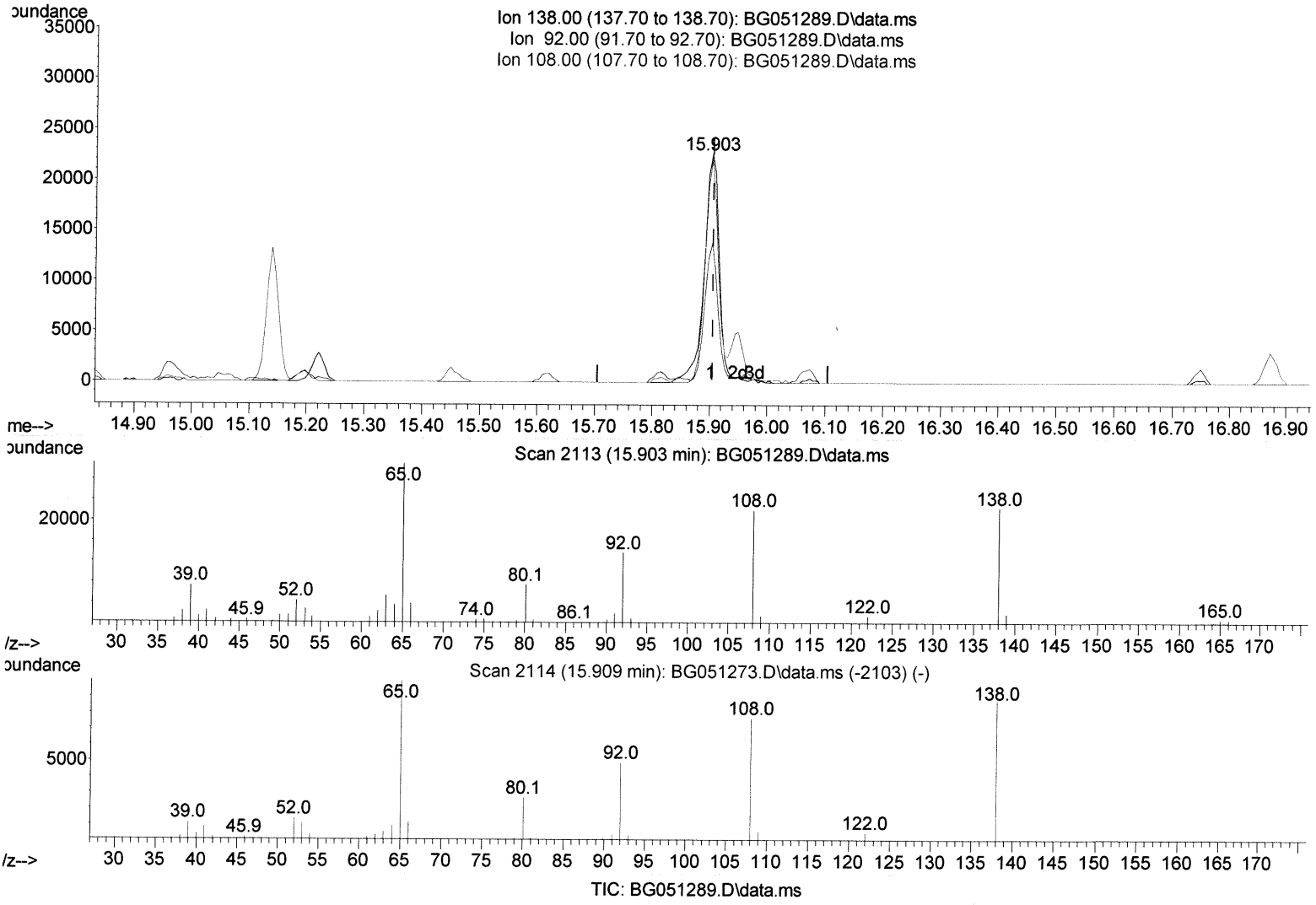

(63) 4-Nitroaniline

15.903min (-0.003) 30.73 ng/ul

response 41619

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	61.60	60.96
108.00	90.70	97.81
0.00	0.00	0.00

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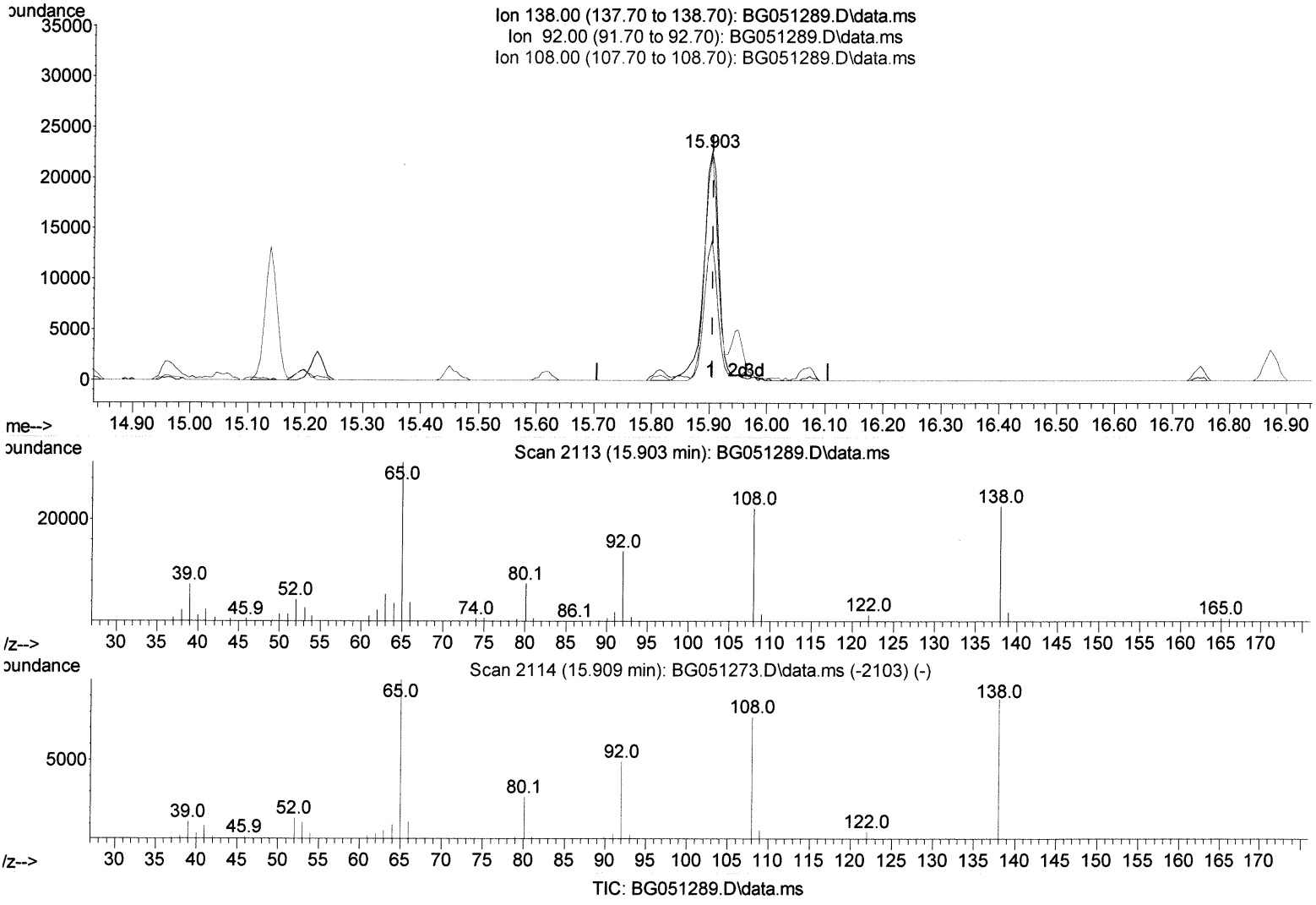

(63) 4-Nitroaniline

15.903min (-0.003) 31.03 ng/ul m 12/20/21 JU

response 42028

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	61.60	60.96
108.00	90.70	97.81
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	8.189	152	30119	20.000	ng/ul	-0.01
20) Naphthalene-d8	11.021	136	130155	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.822	164	86056	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.578	188	191859	20.000	ng/ul	0.00
79) Chrysene-d12	21.872	240	171316	20.000	ng/ul	0.00
88) Perylene-d12	25.269	264	173879	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.535	96	4620	5.330	ng/uL	0.00
4) Pyridine-d5	3.958	84	64939	25.534	ng/ul	-0.02
7) Phenol-d5	7.354	99	79521	26.714	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.507	67	51601	27.601	ng/ul	0.00
11) 2-Chlorophenol-d4	7.724	132	57823	26.975	ng/ul	0.00
15) 4-Methylphenol-d8	8.905	113	62841	26.160	ng/ul	0.00
21) Nitrobenzene-d5	9.370	128	30914	28.137	ng/ul	0.00
24) 2-Nitrophenol-d4	10.098	143	34478	27.819	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.644	165	58800	27.962	ng/ul	0.00
31) 4-Chloroaniline-d4	11.156	131	76052	24.717	ng/ul	0.00
46) Dimethylphthalate-d6	14.217	166	188958	28.537	ng/ul	0.00
49) Acenaphthylene-d8	14.522	160	238247	28.534	ng/ul	0.00
54) 4-Nitrophenol-d4	15.045	143	26043	24.298	ng/ul	0.00
60) Fluorene-d10	15.815	176	164032	27.510	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.944	200	30624	25.867	ng/ul	0.00
73) Anthracene-d10	17.672	188	257617	28.075	ng/ul	0.00
81) Pyrene-d10	19.951	212	303108	29.241	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.034	264	265268	28.565	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.570	88	9845	10.072	ng/uL	96
5) Pyridine	3.982	79	66172	25.004	ng/ul	95
6) Benzaldehyde	7.325	77	51240	27.029	ng/ul	95
8) Phenol	7.378	94	83122	26.955	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.601	93	63549	27.239	ng/ul	93
12) 2-Chlorophenol	7.754	128	59231	27.116	ng/ul	99
13) 2-Methylphenol	8.641	108	60939	26.530	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.711	45	93030	27.633	ng/ul	98
16) Acetophenone	9.023	105	98942	26.629	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.993	70	58735	27.508	ng/ul	96
18) 4-Methylphenol	8.970	108	65137	26.520	ng/ul	97
19) Hexachloroethane	9.275	117	24144	26.168	ng/ul	95
22) Nitrobenzene	9.411	77	83568	29.007	ng/ul	99
23) Isophorone	9.928	82	159597	28.514	ng/ul	99
25) 2-Nitrophenol	10.127	139	35371	27.553	ng/ul	98
26) 2,4-Dimethylphenol	10.180	107	73095	27.850	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.404	93	89489	28.962	ng/ul	98
29) 2,4-Dichlorophenol	10.668	162	57497	27.777	ng/ul	94
30) Naphthalene	11.068	128	193215	27.283	ng/ul	97
32) 4-Chloroaniline	11.179	127	76148	24.652	ng/ul	99
33) Hexachlorobutadiene	11.332	225	37331	26.146	ng/ul	98
34) Caprolactam	11.937	113	22560	27.723	ng/ul	98
35) 4-Chloro-3-methylphenol	12.295	107	69737	28.045	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.660	142	132029	27.408	ng/ul	99
37) 1-Methylnaphthalene	12.877	142	132886	26.814	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.024	216	75253	27.854	ng/ul	96
40) Hexachlorocyclopentadiene	12.995	237	11762	10.771	ng/ul	97
41) 2,4,6-Trichlorophenol	13.271	196	46131	27.210	ng/ul	98
42) 2,4,5-Trichlorophenol	13.353	196	48189	27.143	ng/ul	96
43) 1,1'-Biphenyl	13.659	154	178757	27.811	ng/ul	99
44) 2-Chloronaphthalene	13.706	162	140805	27.539	ng/ul	100
45) 2-Nitroaniline	13.917	65	53007	29.955	ng/ul	88
47) Dimethylphthalate	14.264	163	186276	27.793	ng/ul	100
48) 2,6-Dinitrotoluene	14.405	165	40823	28.997	ng/ul	90
50) Acenaphthylene	14.552	152	230297	27.917	ng/ul	98
51) 3-Nitroaniline	14.740	138	40742	29.277	ng/ul	98
52) Acenaphthene	14.887	153	151877	27.917	ng/ul	97
53) 2,4-Dinitrophenol	14.963	184	12694	16.312	ng/ul	86
55) 4-Nitrophenol	15.057	109	23131	24.878	ng/ul	92
56) Dibenzofuran	15.221	168	215465	27.458	ng/ul	99
57) 2,4-Dinitrotoluene	15.192	165	57436	28.564	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.456	232	34956	25.073	ng/ul#	95
59) Diethylphthalate	15.615	149	198289	28.185	ng/ul	99
61) Fluorene	15.874	166	173522	27.606	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.850	204	90747	26.790	ng/ul	97
63) 4-Nitroaniline	15.903	138	42028m	31.035	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.962	198	29229	25.600	ng/ul	99
67) N-Nitrosodiphenylamine	16.068	169	154978	28.216	ng/ul	99
68) 4-Bromophenyl-phenylether	16.749	248	57055	27.747	ng/ul	93
69) Hexachlorobenzene	16.878	284	58038	27.680	ng/ul	95
70) Atrazine	17.013	200	59572	25.807	ng/ul	98
71) Pentachlorophenol	17.231	266	14854	15.988	ng/ul	98
72) Phenanthrene	17.619	178	300399	28.357	ng/ul	99
74) Anthracene	17.707	178	297778	28.304	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.629	216	76959	27.500	ng/uL	98
76) Pentachlorobenzene	15.145	250	69619	26.699	ng/uL	98
77) Carbazole	17.983	167	267157	28.929	ng/ul	99
78) Di-n-butylphthalate	18.506	149	341117	28.648	ng/ul	99
80) Fluoranthene	19.622	202	364707	28.646	ng/ul	97
82) Pyrene	19.981	202	362711	29.124	ng/ul	98
83) Butylbenzylphthalate	20.844	149	150461	29.060	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.761	252	111322	27.909	ng/ul	98
85) Benzo(a)anthracene	21.855	228	328318	28.256	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.714	149	218051	29.267	ng/ul	99
87) Chrysene	21.925	228	315181	28.235	ng/ul	100
89) Di-n-octyl phthalate	22.971	149	370156	29.385	ng/ul	100
90) Benzo(b)fluoranthene	24.182	252	329739	28.100	ng/ul	99
91) Benzo(k)fluoranthene	24.252	252	313851	28.501	ng/ul	99
93) Benzo(a)pyrene	25.110	252	318889	28.485	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.176	276	353834m	28.245	ng/ul	
95) Dibenzo(a,h)anthracene	29.234	278	295416	27.796	ng/ul	98
96) Benzo(g,h,i)perylene	30.410	276	296668	28.147	ng/ul	97

12/20/21 JU

12/20/21 JU

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