Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081621\
Data File : BN015884.D
Acq On : 16 Aug 2021 18:44
Operator : CG/JU
Sample : M2250-03
Misc : SFAM-MDL-SOIL-01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 17 00:59:59 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 16 16:09:12 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

Manual Integrations APPROVED
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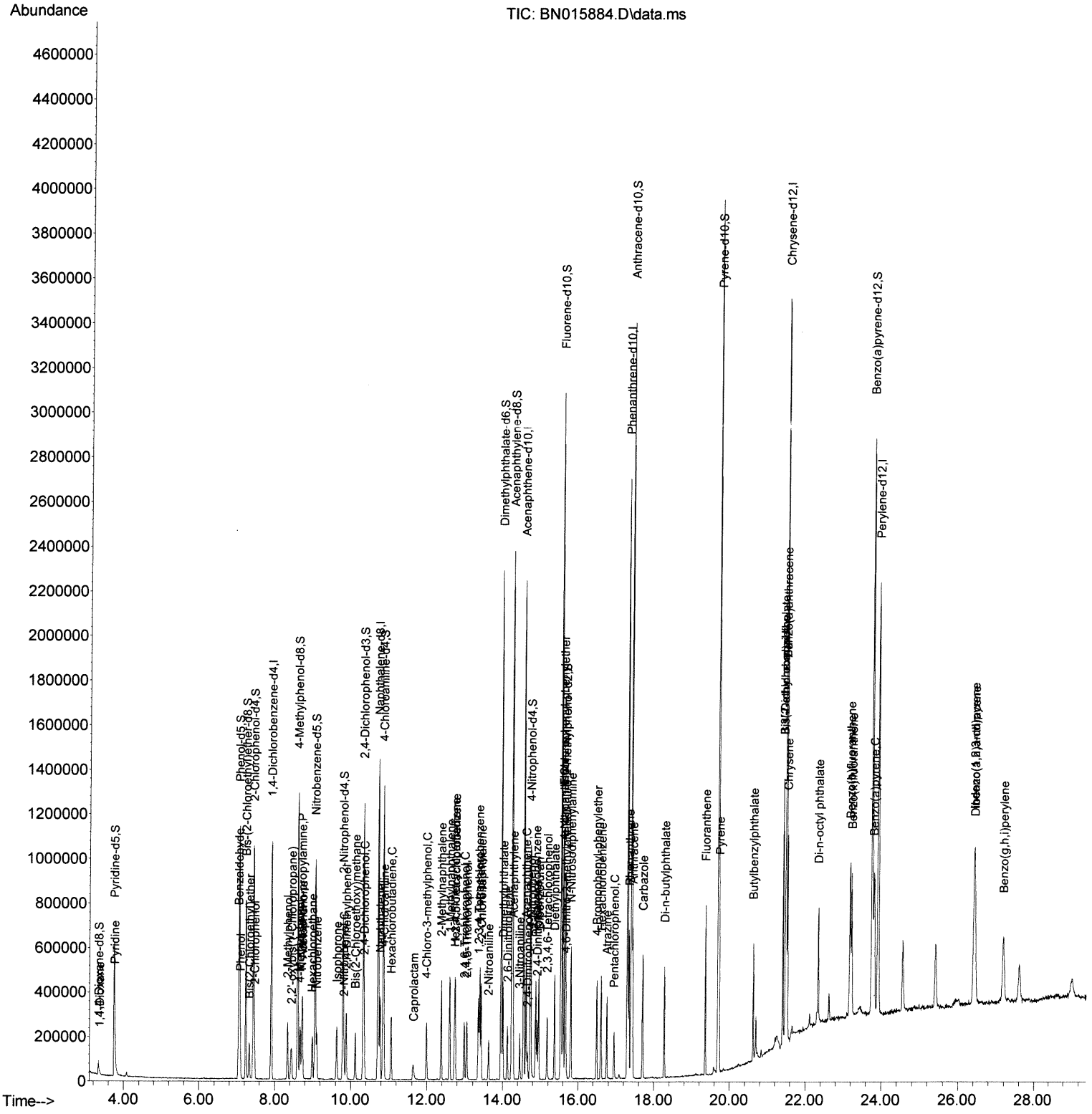

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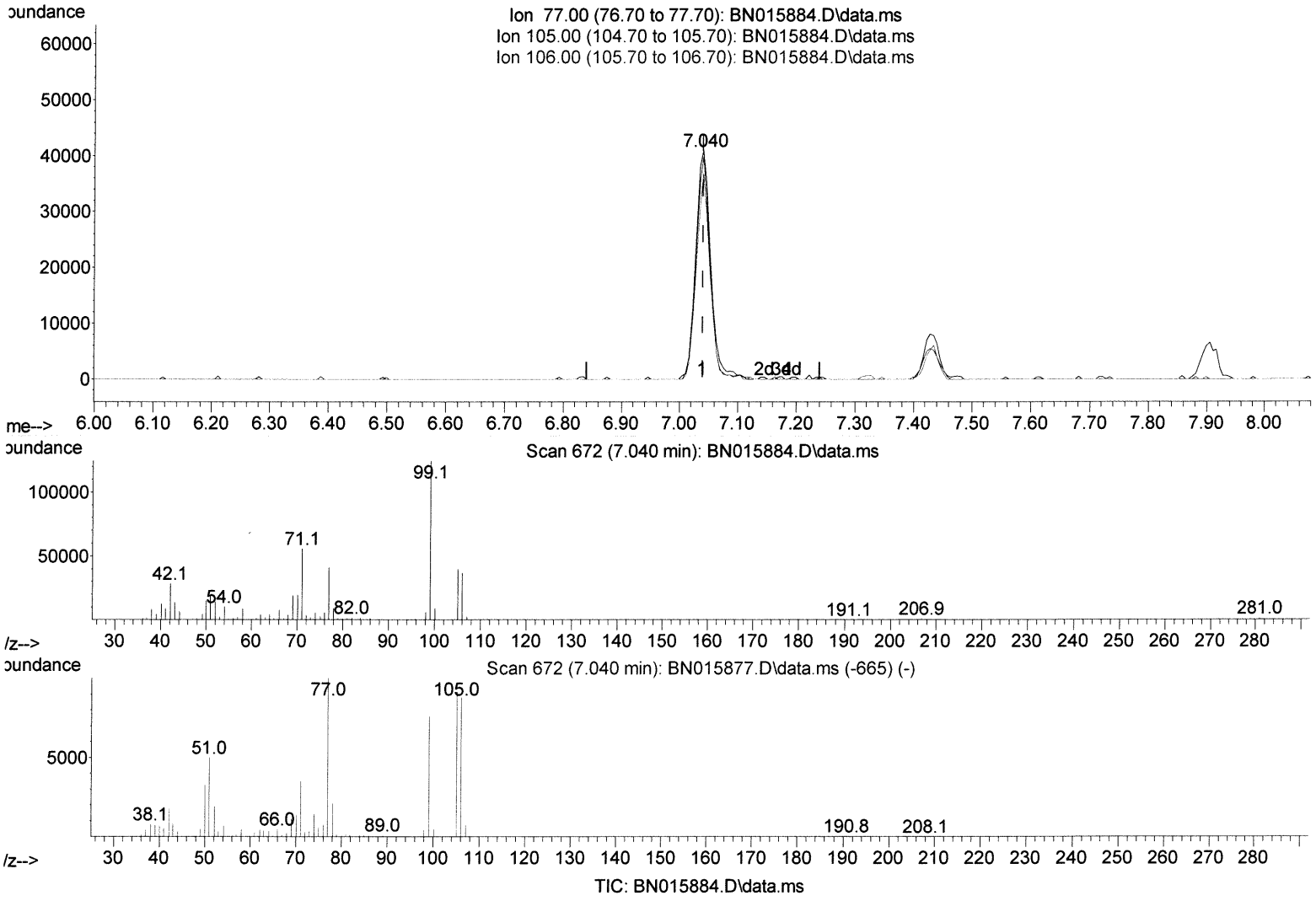

(6) Benzaldehyde

7.040min (-0.000) 5.53 ng/ul

response 72550

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	91.70	97.36
106.00	87.90	90.08
0.00	0.00	0.00

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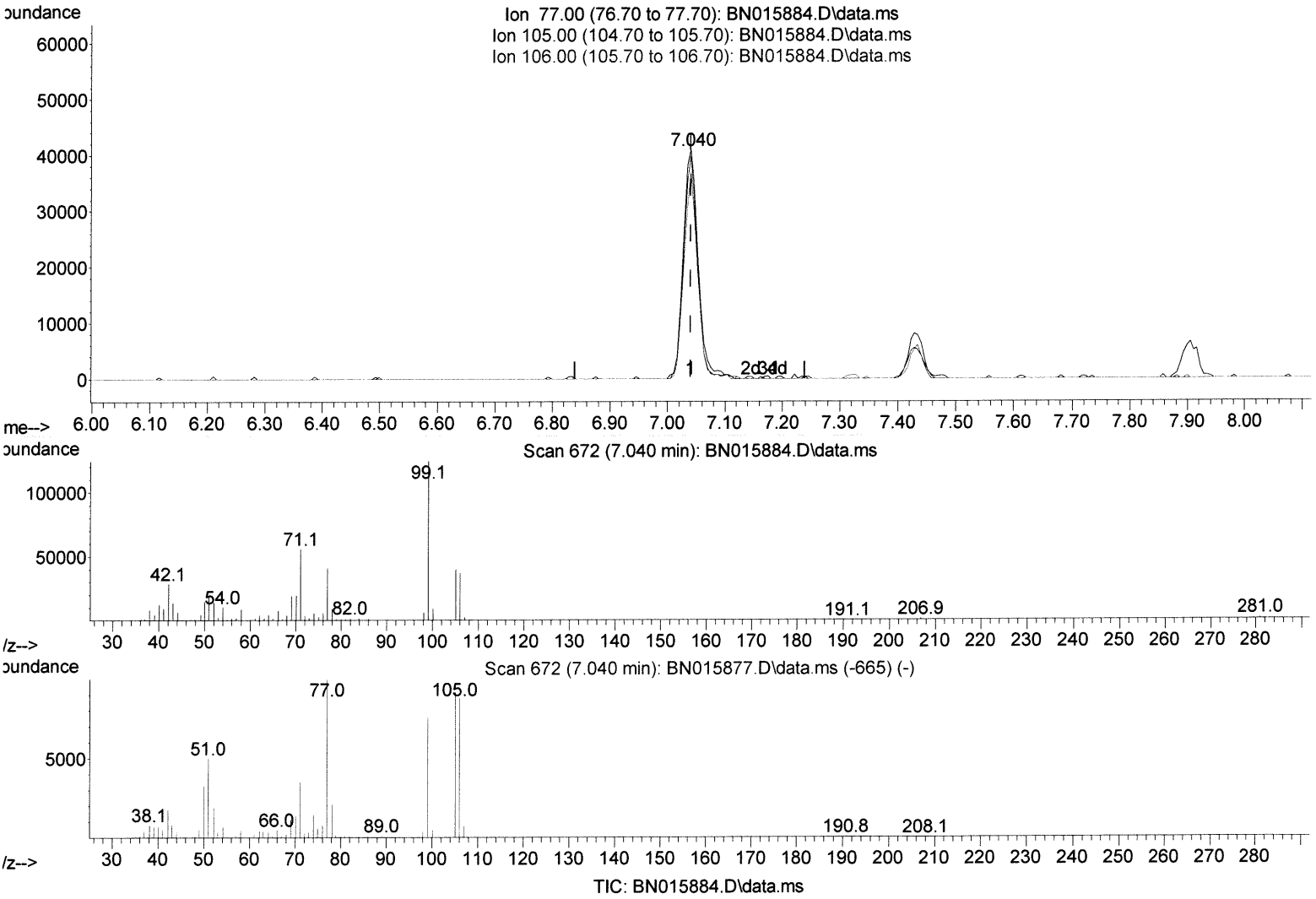

(6) Benzaldehyde

7.040min (-0.000) 5.65 ng/ul m

response 74160

JU 8/19/21

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	91.70	97.36
106.00	87.90	90.08
0.00	0.00	0.00

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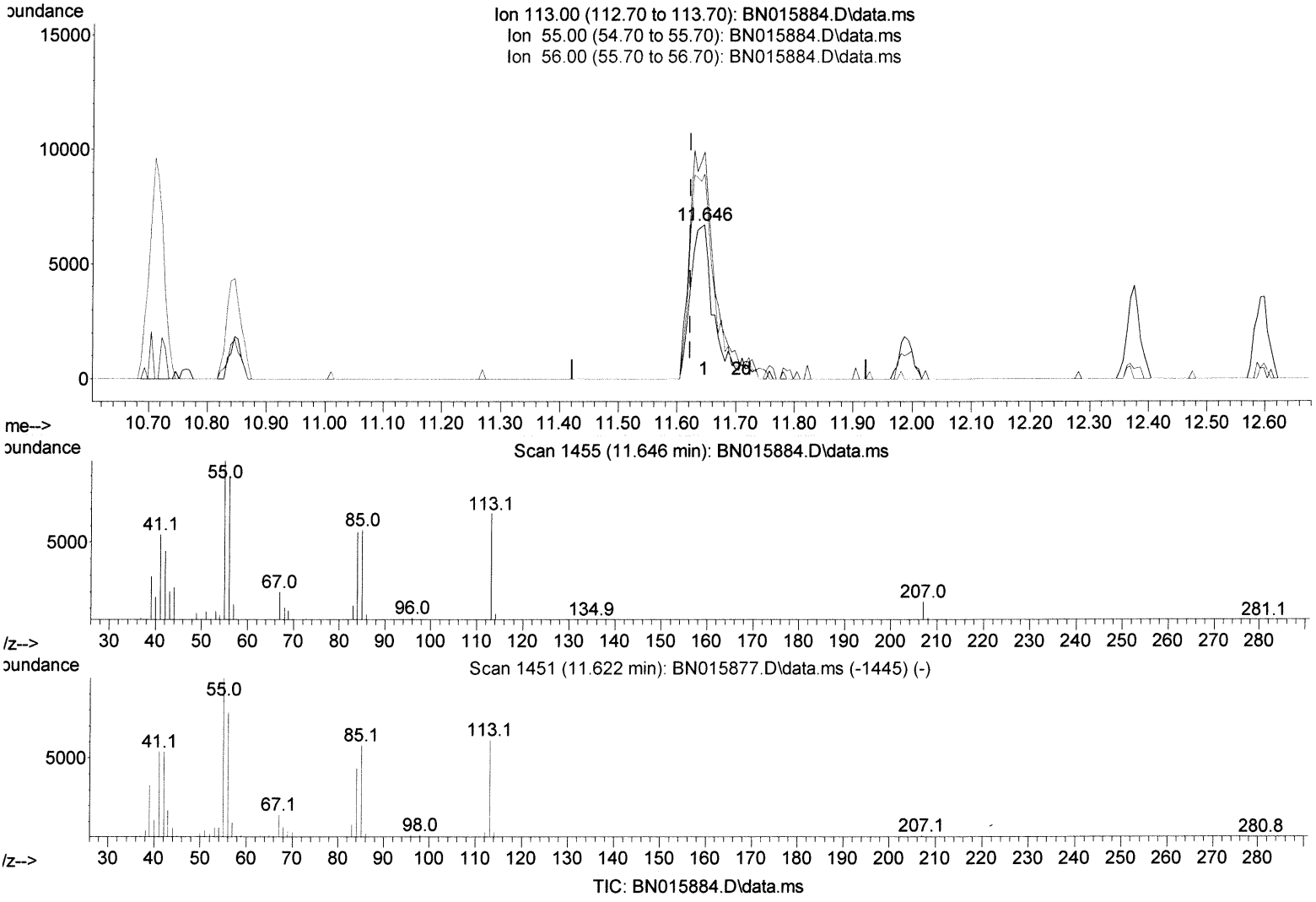

(34) Caprolactam

11.646min (+ 0.023) 3.09 ng/ul

response 16711

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	163.00	147.43
56.00	127.80	132.96
0.00	0.00	0.00

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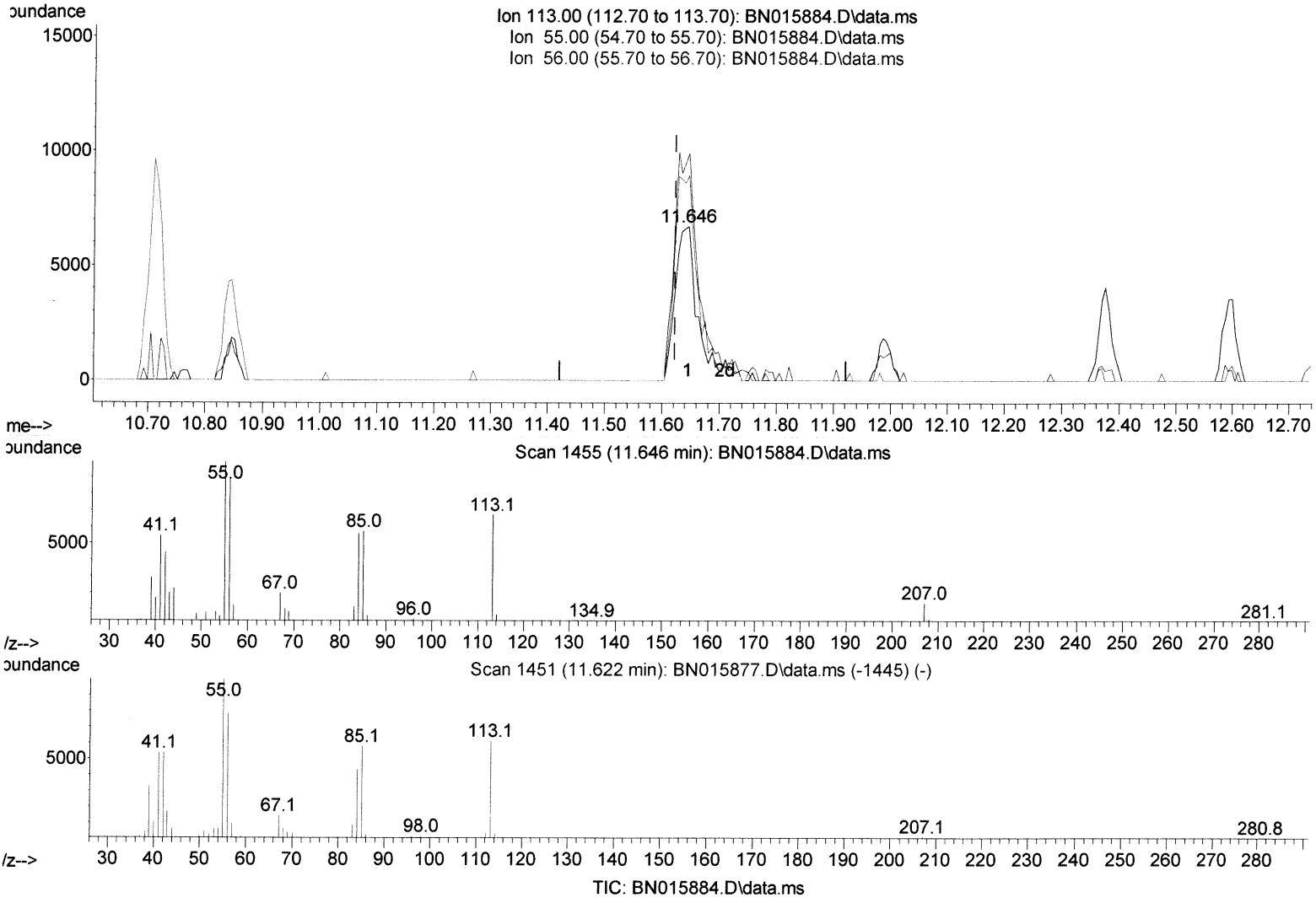

(34) Caprolactam

11.646min (+ 0.023) 3.44 ng/ul m

JU 8/19/21

response 18596

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	163.00	147.43
56.00	127.80	132.96
0.00	0.00	0.00

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8/17/2021 1:22:43 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	281891	20.000	ng/ul	0.00
20) Naphthalene-d8	10.710	136	1172795	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.551	164	755535	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.298	188	1551817	20.000	ng/ul	0.00
79) Chrysene-d12	21.486	240	1544567	20.000	ng/ul	0.00
88) Perylene-d12	23.910	264	1486815	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	33003	4.561	ng/uL	0.00
4) Pyridine-d5	3.746	84	335039	16.565	ng/ul	0.00
7) Phenol-d5	7.052	99	576098	22.593	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.228	67	381017	24.269	ng/ul	0.00
11) 2-Chlorophenol-d4	7.428	132	454897	25.071	ng/ul	0.00
15) 4-Methylphenol-d8	8.604	113	456353	23.010	ng/ul	0.00
21) Nitrobenzene-d5	9.063	128	208459	24.150	ng/ul	0.00
24) 2-Nitrophenol-d4	9.793	143	216541	26.804	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.328	165	422606	24.174	ng/ul	0.00
31) 4-Chloroaniline-d4	10.846	131	604496	22.716	ng/ul	0.00
46) Dimethylphthalate-d6	13.957	166	1372450	24.786	ng/ul	0.00
49) Acenaphthylene-d8	14.245	160	1678419	24.204	ng/ul	0.00
54) 4-Nitrophenol-d4	14.728	143	205085	20.941	ng/ul	0.00
60) Fluorene-d10	15.545	176	1190365	24.646	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.657	200	171680	20.716	ng/ul	0.00
73) Anthracene-d10	17.398	188	1811728	24.909	ng/ul	0.00
81) Pyrene-d10	19.692	212	2009012	24.148	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.751	264	2091477	26.017	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.369	88	9751	1.311	ng/uL#	75
5) Pyridine	3.764	79	84103	4.033	ng/ul#	65
6) Benzaldehyde	7.040	77	74160m	5.653	ng/ul	
8) Phenol	7.081	94	114828	4.418	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.322	93	89982	4.419	ng/ul	93
12) 2-Chlorophenol	7.463	128	87216	4.677	ng/ul	96
13) 2-Methylphenol	8.340	108	80240	4.214	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.440	45	115294	4.433	ng/ul	98
16) Acetophenone	8.728	105	146054	4.564	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.710	70	68415	4.378	ng/ul	96
18) 4-Methylphenol	8.663	108	90684	4.450	ng/ul	91
19) Hexachloroethane	8.987	117	38355	4.529	ng/ul	92
22) Nitrobenzene	9.104	77	116353	4.767	ng/ul	99
23) Isophorone	9.634	82	179783	4.234	ng/ul	98
25) 2-Nitrophenol	9.822	139	43458	4.933	ng/ul#	84
26) 2,4-Dimethylphenol	9.881	107	106646	4.532	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.122	93	117899	4.520	ng/ul	99
29) 2,4-Dichlorophenol	10.351	162	79756	4.627	ng/ul	93
30) Naphthalene	10.763	128	293024	4.665	ng/ul	98
32) 4-Chloroaniline	10.869	127	120295	4.579	ng/ul	98
33) Hexachlorobutadiene	11.051	225	61101	4.614	ng/ul	92
34) Caprolactam	11.646	113	18596m	3.443	ng/ul	93
35) 4-Chloro-3-methylphenol	11.987	107	89327	4.375	ng/ul	93

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8/17/2021 1:22:43 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.375	142	203027	4.648	ng/ul	93
37) 1-Methylnaphthalene	12.592	142	202303	4.653	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.745	216	109070	4.462	ng/ul	97
40) Hexachlorocyclopentadiene	12.728	237	70129	4.426	ng/ul	97
41) 2,4,6-Trichlorophenol	12.981	196	56751	4.246	ng/ul	99
42) 2,4,5-Trichlorophenol	13.045	196	62082	4.255	ng/ul	99
43) 1,1'-Biphenyl	13.387	154	267752	4.583	ng/ul	98
44) 2-Chloronaphthalene	13.428	162	205729	4.560	ng/ul	97
45) 2-Nitroaniline	13.622	65	49873	3.902	ng/ul	91
47) Dimethylphthalate	14.004	163	257006	4.682	ng/ul	100
48) 2,6-Dinitrotoluene	14.122	165	38188	3.842	ng/ul#	93
50) Acenaphthylene	14.269	152	307362	4.663	ng/ul	100
51) 3-Nitroaniline	14.445	138	40041	3.746	ng/ul#	81
52) Acenaphthene	14.610	153	213381	4.475	ng/ul	99
53) 2,4-Dinitrophenol	14.651	184	23290	4.217	ng/ul	91
55) 4-Nitrophenol	14.745	109	40473	4.224	ng/ul	93
56) Dibenzofuran	14.951	168	298889	4.534	ng/ul	97
57) 2,4-Dinitrotoluene	14.904	165	61402	4.289	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.169	232	52781	4.372	ng/ul	98
59) Diethylphthalate	15.369	149	243620	4.439	ng/ul	96
61) Fluorene	15.598	166	249464	4.638	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.592	204	129607	4.621	ng/ul	96
63) 4-Nitroaniline	15.604	138	43396	4.238	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.669	198	34728	4.213	ng/ul#	86
67) N-Nitrosodiphenylamine	15.804	169	209901	4.634	ng/ul	98
68) 4-Bromophenyl-phenylether	16.486	248	76766	4.610	ng/ul	93
69) Hexachlorobenzene	16.604	284	92636	4.760	ng/ul	94
70) Atrazine	16.757	200	68641	4.178	ng/ul	96
71) Pentachlorophenol	16.945	266	37283	3.415	ng/ul	95
72) Phenanthrene	17.339	178	389452	4.616	ng/ul	97
74) Anthracene	17.433	178	401567	4.662	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.351	216	109366	4.474	ng/uL	97
76) Pentachlorobenzene	14.869	250	105454	4.432	ng/uL	94
77) Carbazole	17.698	167	330898	4.370	ng/ul	99
78) Di-n-butylphthalate	18.275	149	347233	4.033	ng/ul	99
80) Fluoranthene	19.357	202	440390	4.375	ng/ul	99
82) Pyrene	19.722	202	466417	4.452	ng/ul	98
83) Butylbenzylphthalate	20.622	149	133889	3.800	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.404	252	136496	4.316	ng/ul	97
85) Benzo(a)anthracene	21.469	228	454327	4.572	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.404	149	217443	3.892	ng/ul	97
87) Chrysene	21.521	228	440863	4.582	ng/ul	98
89) Di-n-octyl phthalate	22.339	149	342810	3.643	ng/ul	100
90) Benzo(b)fluoranthene	23.168	252	438005	4.481	ng/ul	97
91) Benzo(k)fluoranthene	23.215	252	433926	4.459	ng/ul	98
93) Benzo(a)pyrene	23.798	252	377863	4.270	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.415	276	483789	4.409	ng/ul	99
95) Dibenzo(a,h)anthracene	26.433	278	413137	4.561	ng/ul	96
96) Benzo(g,h,i)perylene	27.186	276	394120	4.345	ng/ul	99

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