Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081621\
Data File : BN015879.D
Acq On : 16 Aug 2021 14:53
Operator : CG/JU
Sample : SSTD08005
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 16 15:23:06 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 16 14:15:29 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTD080205

Manual Integrations APPROVED
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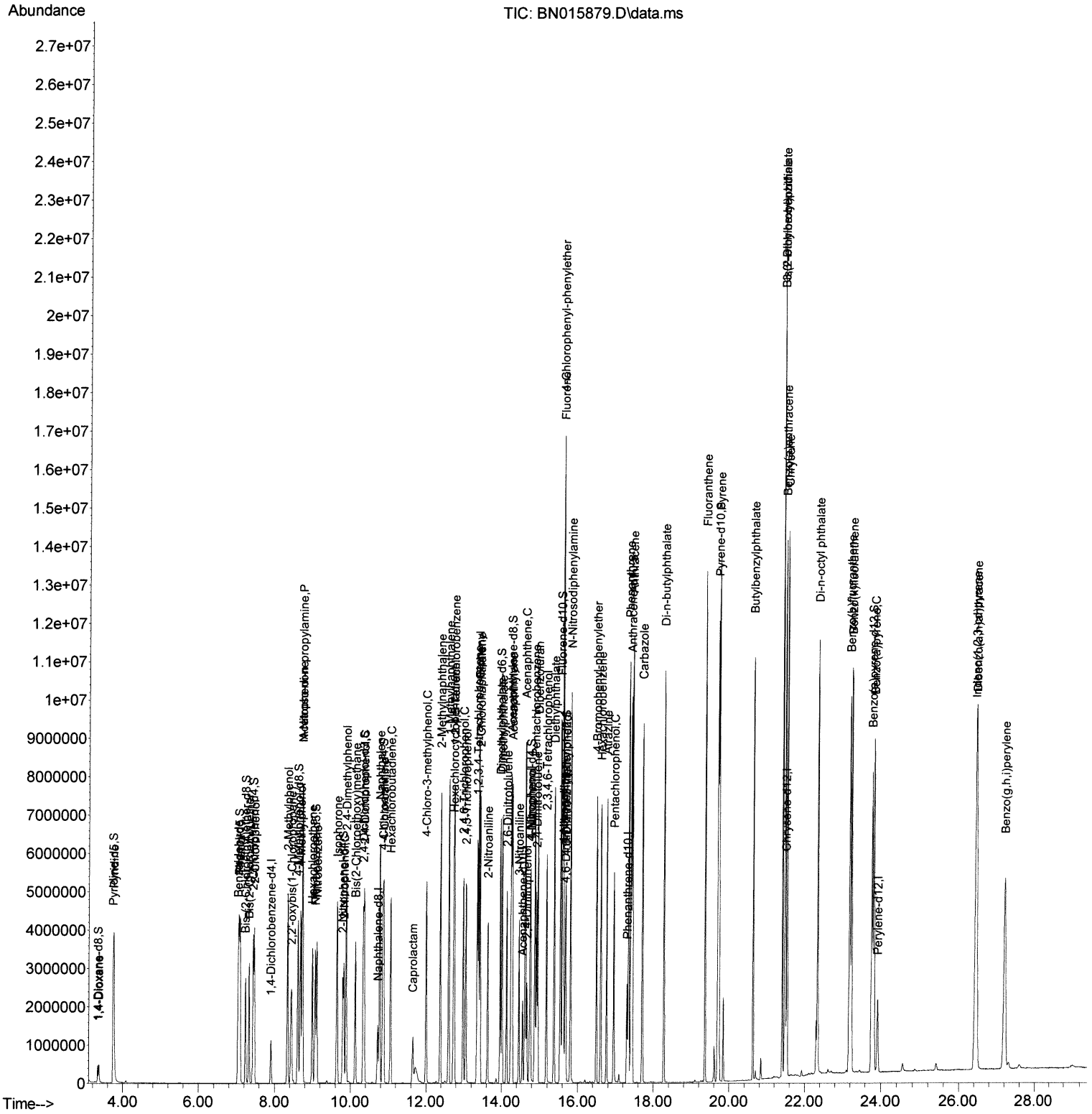

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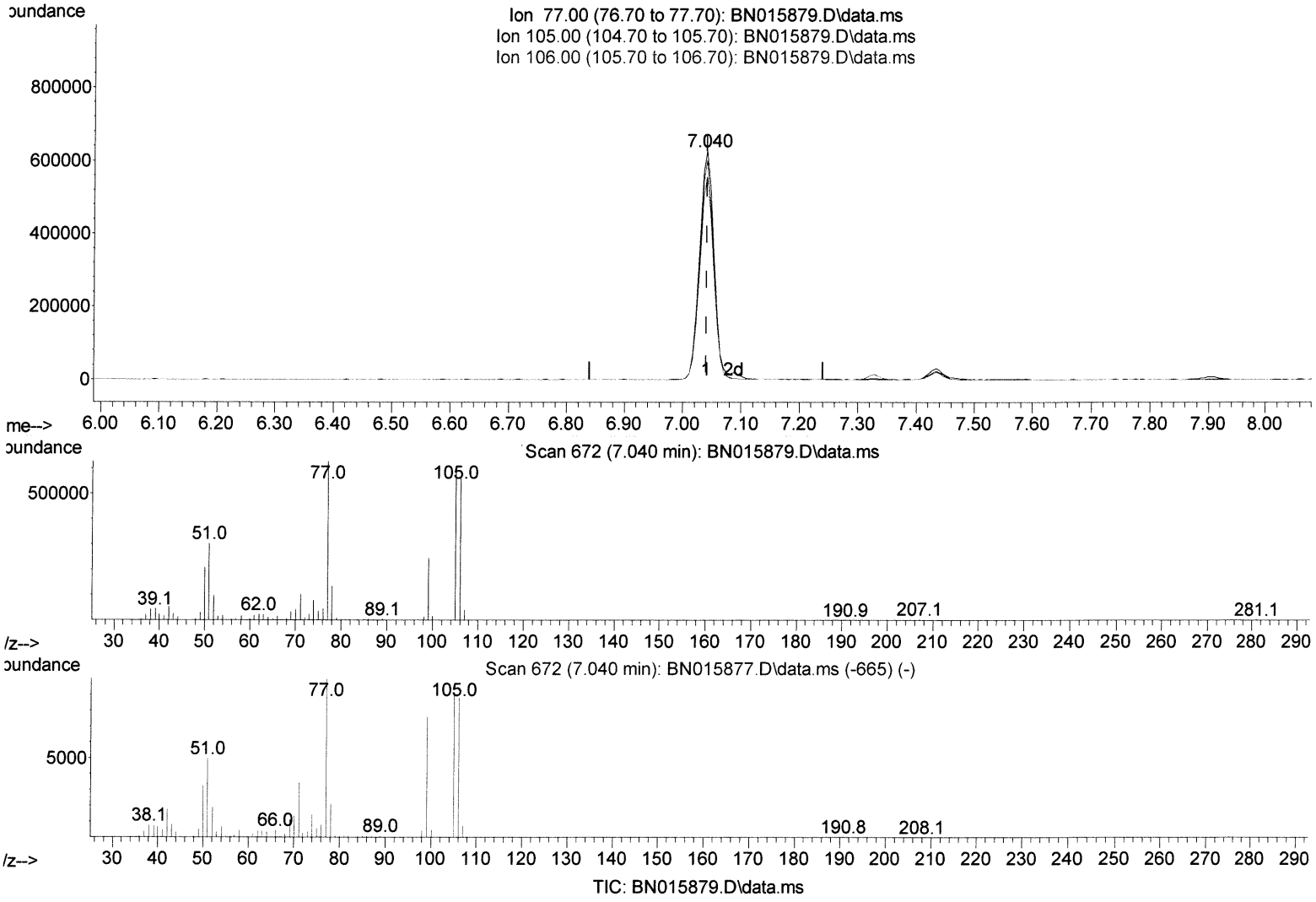

(6) Benzaldehyde

7.040min (+ 0.000) 90.74 ng/ul

response 1073235

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	91.70	95.80
106.00	87.90	89.02
0.00	0.00	0.00

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mohammad
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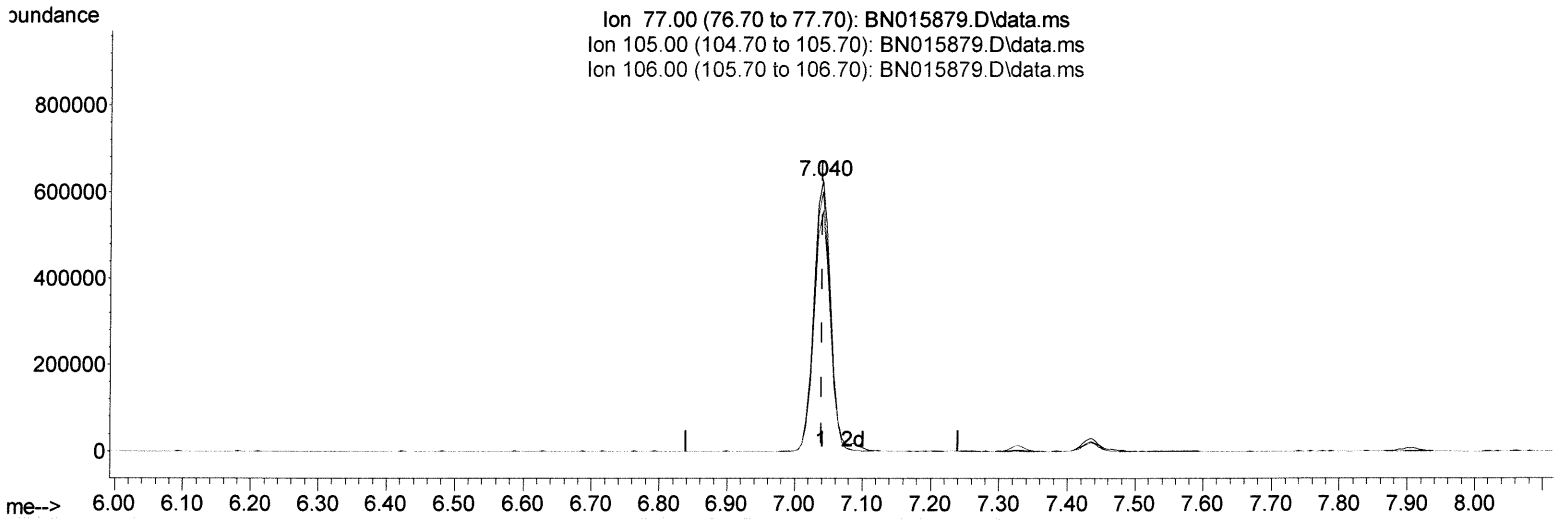

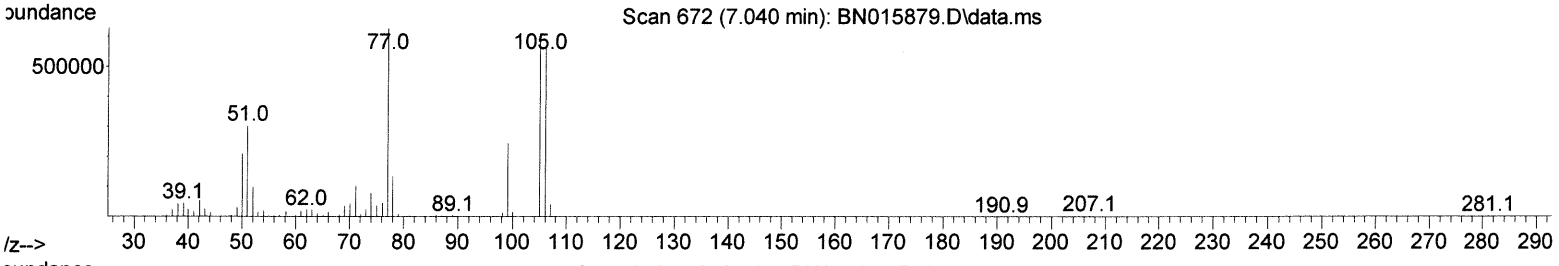

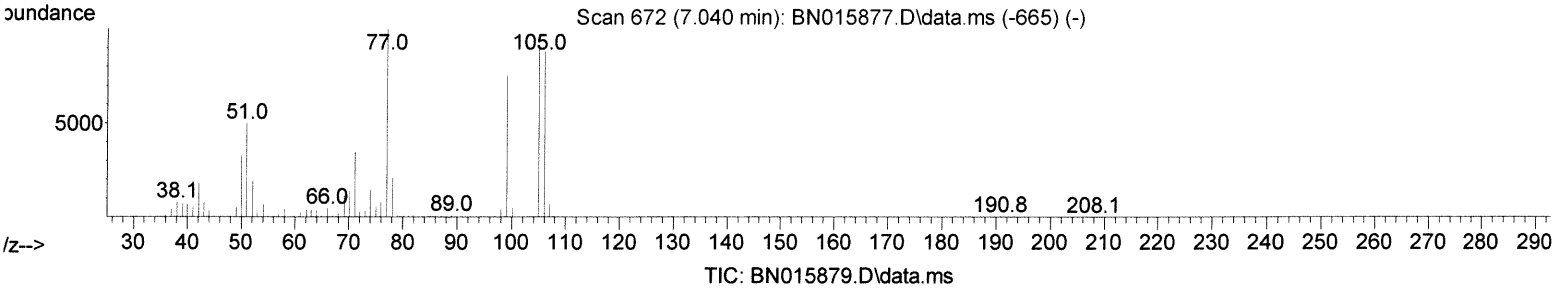

TIC: BN015879.D\data.ms

(6) Benzaldehyde

7.040min (+ 0.000) 92.31 ng/ul m

JY 8/19/21

response 1091814

Ion	Exp%	Act%
77.00	100.00	100.00
105.00	91.70	95.80
106.00	87.90	89.02
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081621\
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Operator : CG/JU
Sample : SSTD08005
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 16 15:23:06 2021
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Instrument :
BNA_N
ClientSampleId :
SSTD080205

Manual Integrations APPROVED
mohammad
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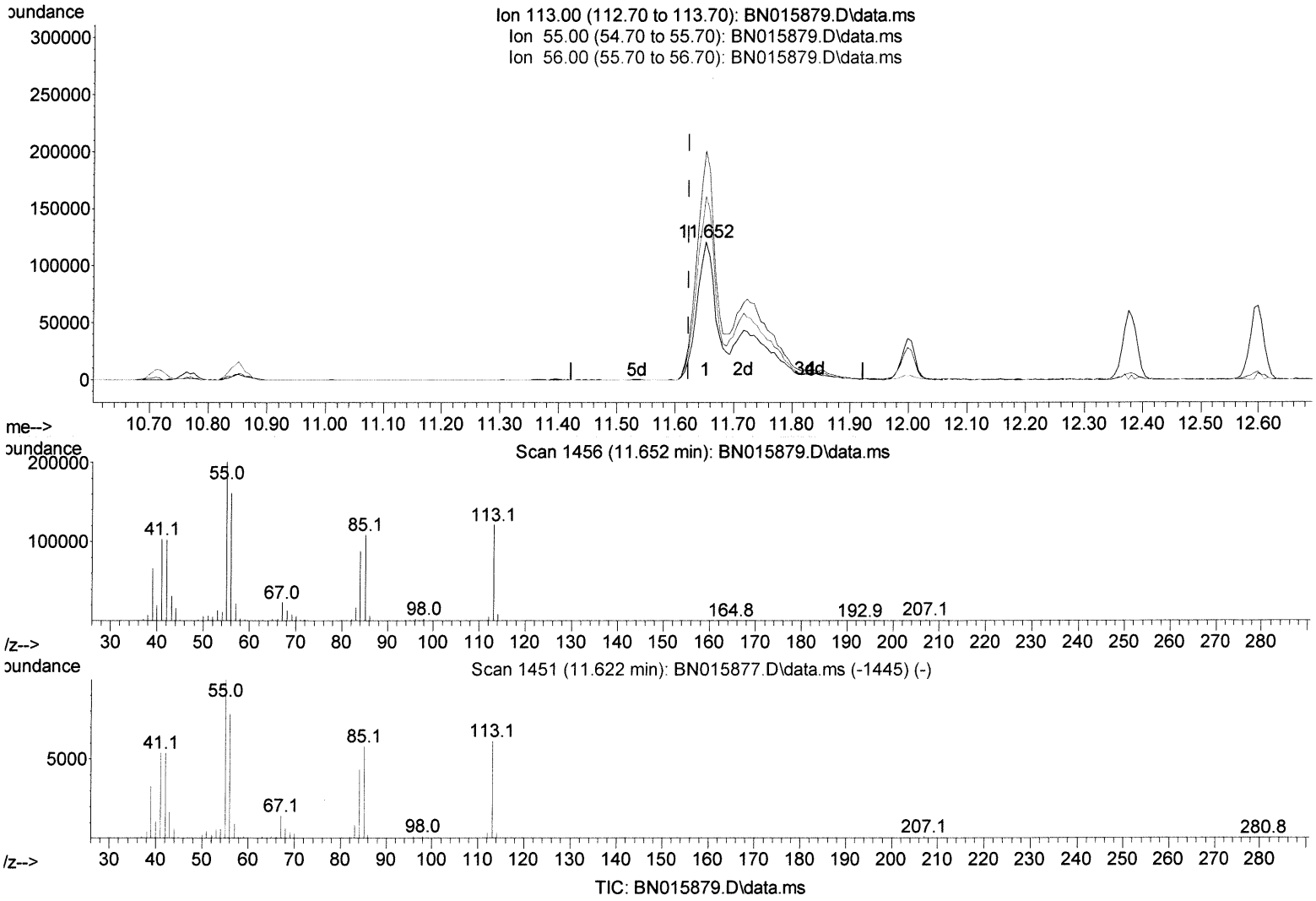

(34) Caprolactam

11.652min (+ 0.030) 47.09 ng/ul

response 275979

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	163.00	165.81
56.00	127.80	133.29
0.00	0.00	0.00

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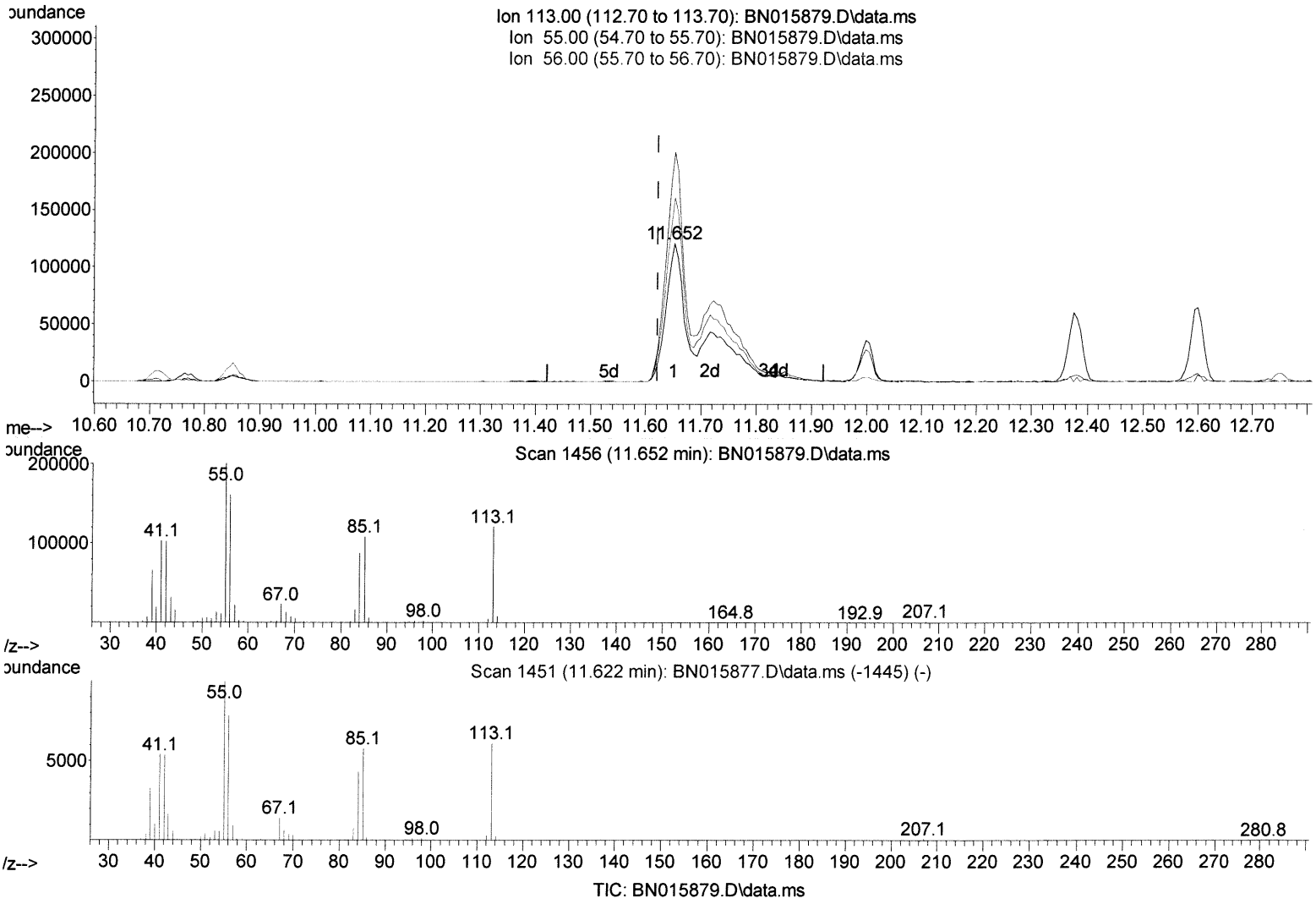

TIC: BN015879.D\data.ms

(34) Caprolactam

11.652min (+ 0.030) 78.55 ng/ul m

response 460348

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	163.00	165.81
56.00	127.80	133.29
0.00	0.00	0.00

JU 8/19/21

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Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	293009	20.000	ng/ul	0.00
20) Naphthalene-d8	10.716	136	1224926	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.551	164	750269	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.304	188	1537300	20.000	ng/ul	0.00
79) Chrysene-d12	21.492	240	1426371	20.000	ng/ul	0.00
88) Perylene-d12	23.916	264	1454023	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	232233	30.839	ng/uL	0.00
4) Pyridine-d5	3.740	84	1710872	84.274	ng/ul	0.00
7) Phenol-d5	7.064	99	2162967	85.051	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.234	67	1263597	84.605	ng/ul	0.00
11) 2-Chlorophenol-d4	7.434	132	1603877	83.174	ng/ul	0.00
15) 4-Methylphenol-d8	8.616	113	1660909	84.621	ng/ul	0.01
21) Nitrobenzene-d5	9.069	128	785424	93.735	ng/ul	0.00
24) 2-Nitrophenol-d4	9.793	143	806737	108.085	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.334	165	1567905	88.999	ng/ul	0.00
31) 4-Chloroaniline-d4	10.852	131	2145903	78.599	ng/ul	0.00
46) Dimethylphthalate-d6	13.963	166	4565476	88.617	ng/ul	0.00
49) Acenaphthylene-d8	14.246	160	5663512	84.682	ng/ul	0.00
54) 4-Nitrophenol-d4	14.751	143	808909	90.017	ng/ul	0.02
60) Fluorene-d10	15.545	176	3872787	86.407	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.663	200	704464	110.954	ng/ul	0.00
73) Anthracene-d10	17.404	188	5716695	81.246	ng/ul	0.00
81) Pyrene-d10	19.698	212	6327078	84.628	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.763	264	6506813	90.649	ng/ul	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.370	88	239936	30.917	ng/uL	94
5) Pyridine	3.758	79	1740472	82.402	ng/ul	98
6) Benzaldehyde	7.040	77	1091814m	92.311	ng/ul	> JU 8/19/21
8) Phenol	7.087	94	2170164	84.174	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.328	93	1676200	82.300	ng/ul	96
12) 2-Chlorophenol	7.464	128	1601420	82.073	ng/ul	98
13) 2-Methylphenol	8.346	108	1585561	82.365	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.440	45	2061369	77.699	ng/ul	98
16) Acetophenone	8.734	105	2589887	87.109	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.728	70	1379168	94.700	ng/ul	99
18) 4-Methylphenol	8.681	108	1673772	81.072	ng/ul	96
19) Hexachloroethane	8.993	117	717975	90.024	ng/ul	92
22) Nitrobenzene	9.116	77	2073001	101.333	ng/ul	99
23) Isophorone	9.646	82	3697868	91.917	ng/ul	99
25) 2-Nitrophenol	9.828	139	852992	103.095	ng/ul	98
26) 2,4-Dimethylphenol	9.887	107	2011108	93.756	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.128	93	2163534	84.288	ng/ul	97
29) 2,4-Dichlorophenol	10.358	162	1489821	86.823	ng/ul	99
30) Naphthalene	10.769	128	5134683	82.148	ng/ul	99
32) 4-Chloroaniline	10.875	127	2096087	78.113	ng/ul	100
33) Hexachlorobutadiene	11.057	225	1079712	101.367	ng/ul	94
34) Caprolactam	11.652	113	460348m	78.554	ng/ul	> JU 8/19/21
35) 4-Chloro-3-methylphenol	11.999	107	1800080	95.871	ng/ul	100

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ClientSampleId :
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Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.381	142	3581421	82.765	ng/ul	100
37) 1-Methylnaphthalene	12.599	142	3586129	82.708	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.746	216	1926670	91.997	ng/ul	98
40) Hexachlorocyclopentadiene	12.728	237	1303298	114.032	ng/ul	98
41) 2,4,6-Trichlorophenol	12.987	196	1181820	96.513	ng/ul	98
42) 2,4,5-Trichlorophenol	13.057	196	1306198	96.010	ng/ul	100
43) 1,1'-Biphenyl	13.393	154	4592255	84.820	ng/ul	99
44) 2-Chloronaphthalene	13.428	162	3505156	83.116	ng/ul	98
45) 2-Nitroaniline	13.634	65	1199912	122.297	ng/ul	97
47) Dimethylphthalate	14.010	163	4362208	87.482	ng/ul	99
48) 2,6-Dinitrotoluene	14.134	165	906371	108.035	ng/ul	92
50) Acenaphthylene	14.275	152	5177766	82.046	ng/ul	99
51) 3-Nitroaniline	14.457	138	888130	93.627	ng/ul	99
52) Acenaphthene	14.622	153	3704439	83.439	ng/ul	98
53) 2,4-Dinitrophenol	14.657	184	488971	126.924	ng/ul	96
55) 4-Nitrophenol	14.763	109	776395	118.479	ng/ul	98
56) Dibenzofuran	14.951	168	5054691	81.058	ng/ul	97
57) 2,4-Dinitrotoluene	14.916	165	1291697	110.410	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.175	232	1108442	111.151	ng/ul	97
59) Diethylphthalate	15.381	149	4508478	90.573	ng/ul	98
61) Fluorene	15.604	166	4211017	85.305	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.598	204	2158376	92.020	ng/ul	98
63) 4-Nitroaniline	15.622	138	851337	96.448	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.681	198	680414	106.039	ng/ul	98
67) N-Nitrosodiphenylamine	15.810	169	3585120	80.401	ng/ul	99
68) 4-Bromophenyl-phenylether	16.492	248	1333050	90.081	ng/ul	96
69) Hexachlorobenzene	16.610	284	1575351	94.993	ng/ul	96
70) Atrazine	16.763	200	1284369	82.780	ng/ul	98
71) Pentachlorophenol	16.951	266	925121	106.630	ng/ul	97
72) Phenanthrene	17.345	178	6496906	80.071	ng/ul	98
74) Anthracene	17.439	178	6768012	81.252	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.351	216	1950134	89.577	ng/uL	95
76) Pentachlorobenzene	14.875	250	1865112	89.474	ng/uL	92
77) Carbazole	17.704	167	5859640	78.048	ng/ul	99
78) Di-n-butylphthalate	18.275	149	7484838	87.580	ng/ul	99
80) Fluoranthene	19.363	202	7823840	86.693	ng/ul	99
82) Pyrene	19.728	202	7943881	84.451	ng/ul	98
83) Butylbenzylphthalate	20.628	149	3280389	97.839	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.410	252	2437075	82.969	ng/ul	97
85) Benzo(a)anthracene	21.475	228	7539589	85.460	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.404	149	4853095	90.382	ng/ul	96
87) Chrysene	21.528	228	7234237	83.270	ng/ul	99
89) Di-n-octyl phthalate	22.345	149	8038445	88.401	ng/ul	100
90) Benzo(b)fluoranthene	23.180	252	7920649	90.461	ng/ul	100
91) Benzo(k)fluoranthene	23.233	252	7500892	84.644	ng/ul	98
93) Benzo(a)pyrene	23.816	252	6926746	87.037	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.445	276	8760770	90.735	ng/ul	100
95) Dibenzo(a,h)anthracene	26.468	278	7226895	90.305	ng/ul	99
96) Benzo(g,h,i)perylene	27.221	276	7284661	87.280	ng/ul	98

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