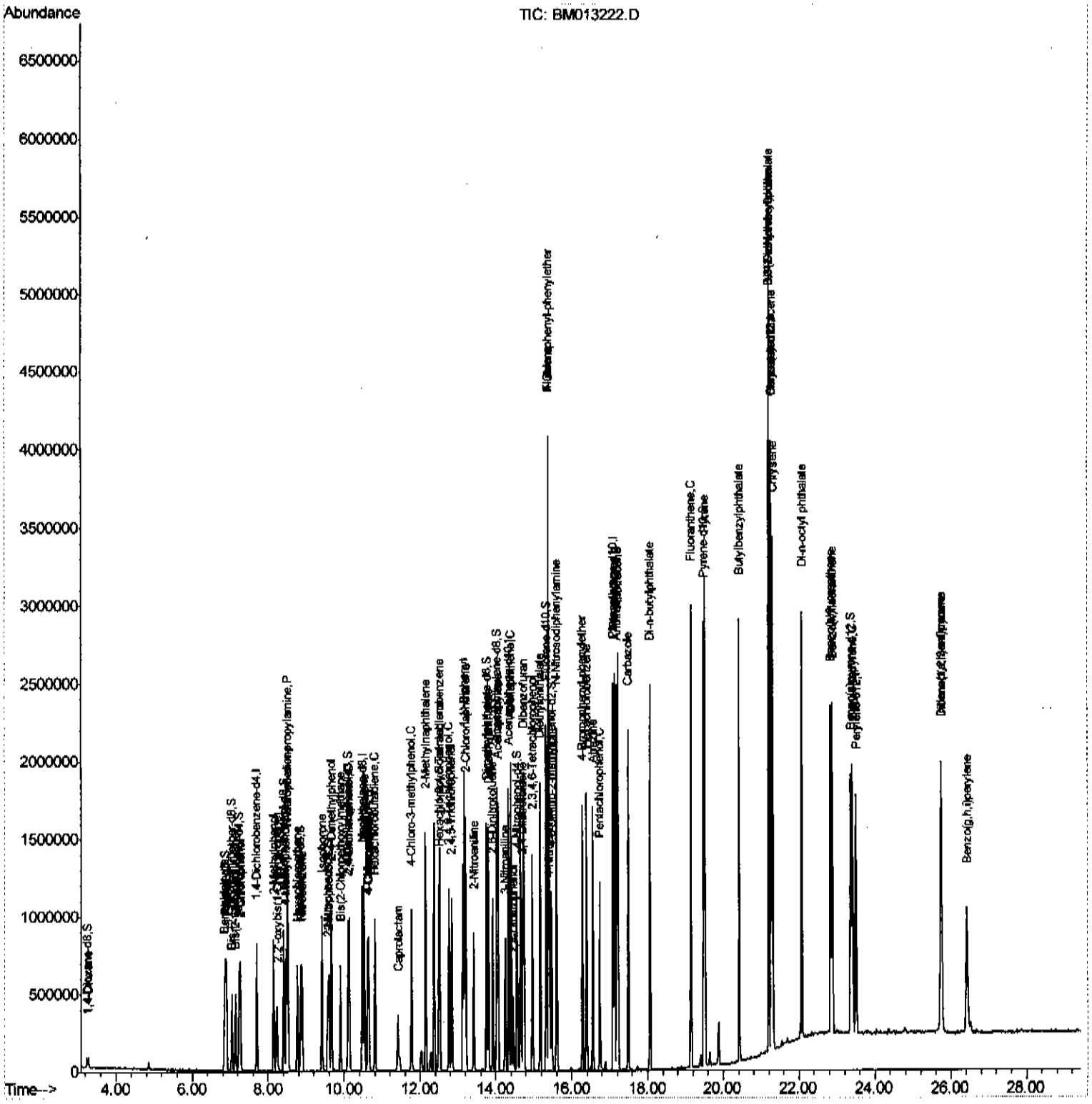
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013222.D
Acq On : 06 Dec 2017 22:44
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 04:21:29 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 03:25:48 2017
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02018

Manual Integrations APPROVED
Sohil
12/7/2017 11:41:15 AM



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Quant Time: Dec 07 03:27:40 2017
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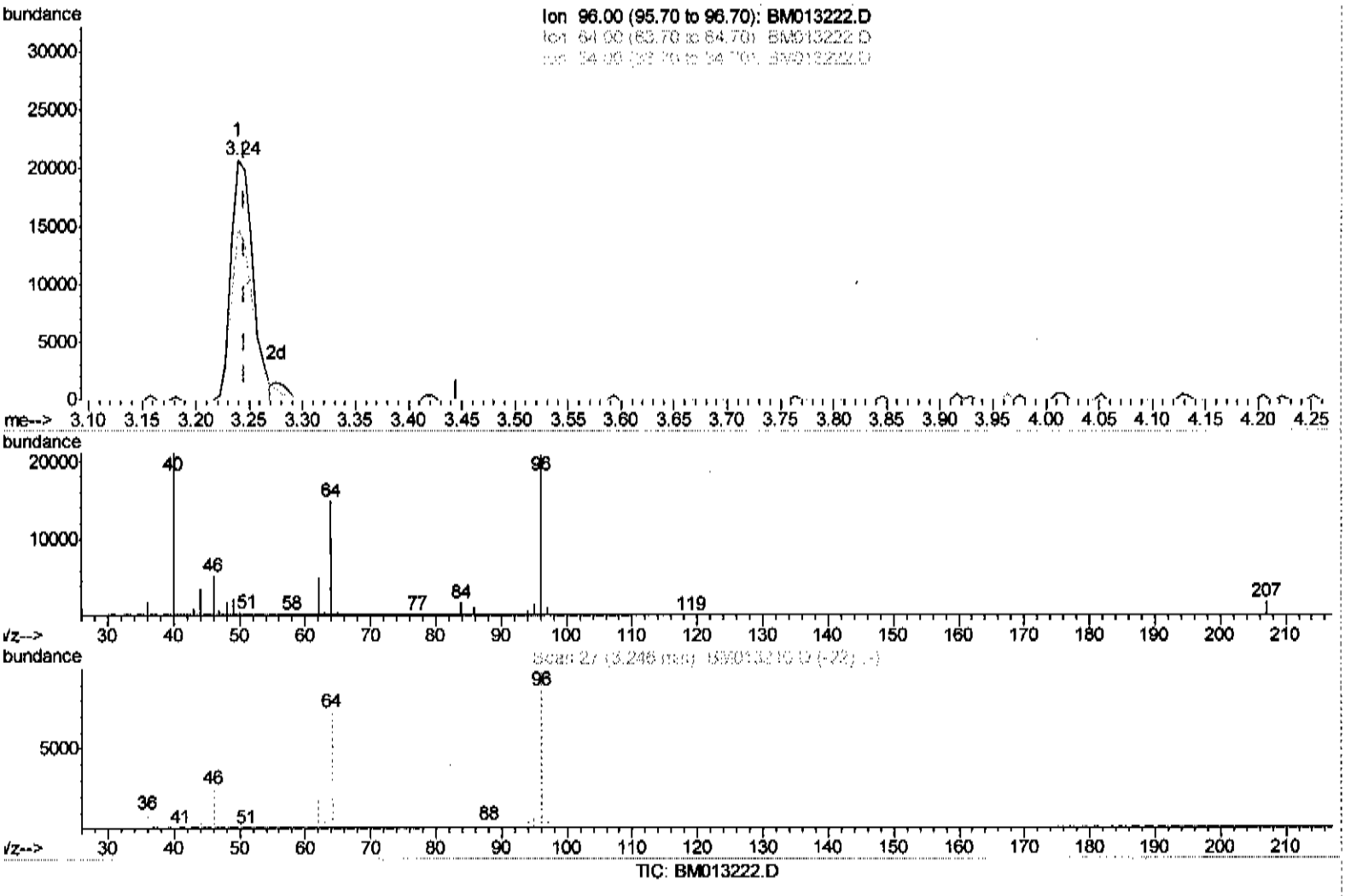

TIC: BM013222.D

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

3.240min (-0.006) 7.11ng/uL

response 29116

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	73.38
34.00	0.00	0.00
0.00	0.00	0.00

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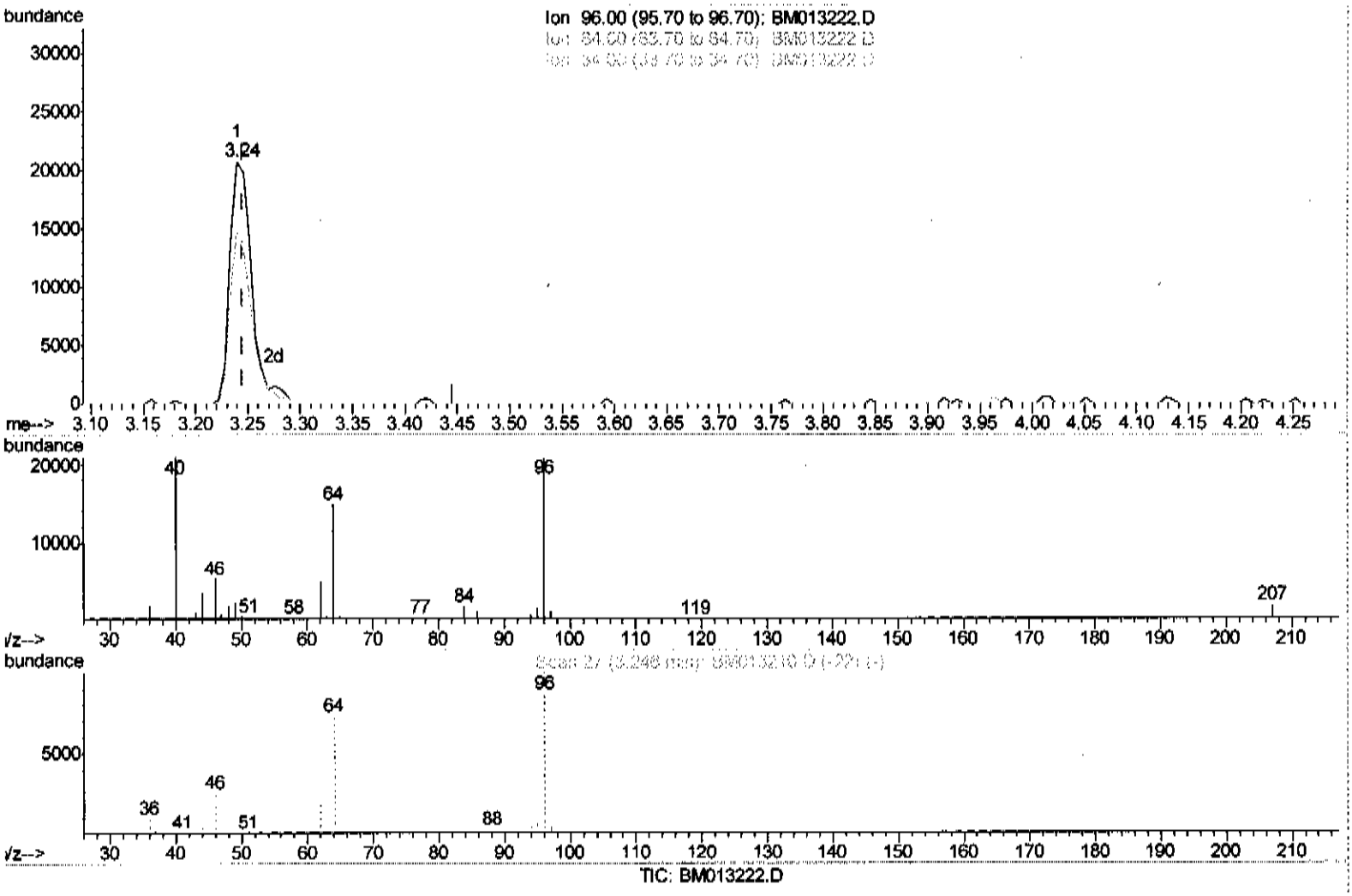
Manual Integrations APPROVED
Sohil
12/7/2017 11:41:15 AM



TIC: BM013222.D

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

3.240min (-0.006) 7.42ng/uL m SJ 12/07/17

response 30394

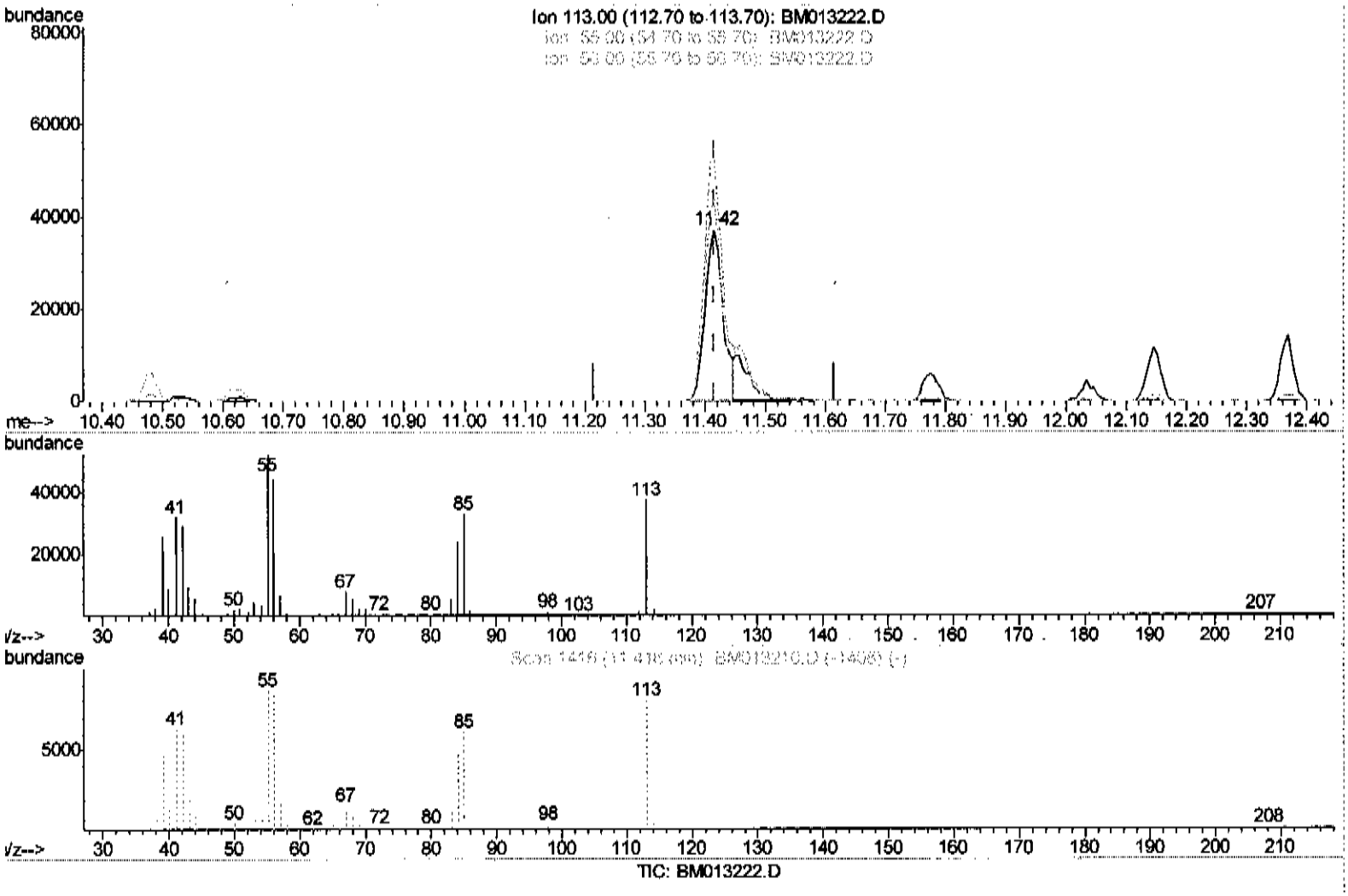
Ion	Exp%	Act%
96.00	100	100
64.00	74.90	70.29
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013222.D
Acq On : 06 Dec 2017 22:44
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 04:20:45 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 03:25:48 2017
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02018

Manual Integrations APPROVED
Sohil
12/7/2017 11:41:15 AM



TIC: BM013222.D

(32) Caprolactam

11.416min (+0.000) 15.92ng/ul

response 75887

Ion	Exp%	Act%
113.00	100	100
55.00	260.00	140.60#
56.00	200.00	118.31#
0.00	0.00	0.00

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Misc :
ALS Vial : 2 Sample Multiplier: 1

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Sohil
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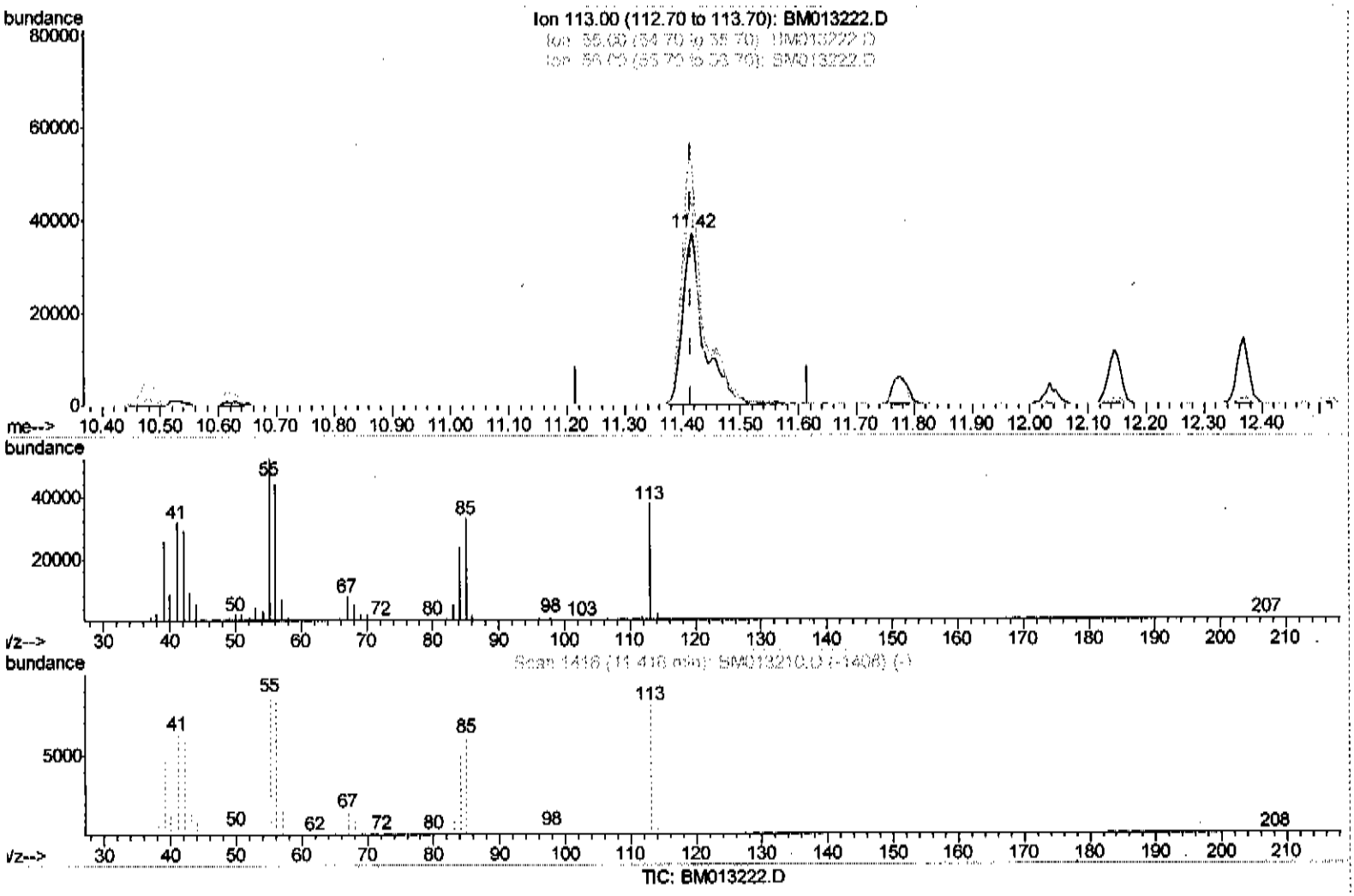

(32) Caprolactam

11.416min (+0.000) 19.69ng/ul m SJ 12/07/17

response 93848

Ion	Exp%	Act%
113.00	100	100
55.00	260.00	140.60#
56.00	200.00	118.31#
0.00	0.00	0.00

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ALS Vial : 2 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	202963	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	922978	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	583313	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1392380	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1399131	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1106980	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.24	96	30394m	7.42	ng/uL	0.00
5) Phenol-d5	6.87	99	347522	19.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	203760	20.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	283501	20.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	299854	19.99	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	144308	19.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	157496	20.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	324073	20.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	355668	23.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	988712	19.05	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	1257115	19.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	163084	18.08	ng/ul	0.00
57) Fluorene-d10	15.33	176	856589	19.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	158170	18.06	ng/ul	0.00
70) Anthracene-d10	17.19	188	1361624	19.53	ng/ul	0.00
76) Pyrene-d10	19.48	212	1515222	21.74	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	1111156	19.71	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.28	88	34040	7.399	ng/uL#	63
4) Benzaldehyde	6.85	77	184109	21.188	ng/ul	87
6) Phenol	6.90	94	344310	19.834	ng/ul#	82
8) Bis(2-Chloroethyl)ether	7.13	93	265460	20.000	ng/ul	97
10) 2-Chlorophenol	7.27	128	271623	20.187	ng/ul	96
11) 2-Methylphenol	8.15	108	269290	20.057	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.23	45	289188	20.750	ng/ul#	83
14) Acetophenone	8.52	105	456166	19.995	ng/ul	87
15) N-Nitroso-di-n-propylamine	8.50	70	228481	19.882	ng/ul#	69
16) 4-Methylphenol	8.47	108	290025	20.200	ng/ul	94
17) Hexachloroethane	8.77	117	118245	20.185	ng/ul#	76
20) Nitrobenzene	8.89	77	358230	19.429	ng/ul	95
21) Isophorone	9.42	82	652308	20.105	ng/ul	95
23) 2-Nitrophenol	9.60	139	166437	20.494	ng/ul#	80
24) 2,4-Dimethylphenol	9.66	107	347272	19.605	ng/ul	93
25) Bis(2-Chloroethoxy)methane	9.90	93	376143	19.809	ng/ul	97
27) 2,4-Dichlorophenol	10.13	162	293880	19.709	ng/ul#	93
28) Naphthalene	10.53	128	925546	19.491	ng/ul	99
30) 4-Chloroaniline	10.65	127	349406	24.325	ng/ul	93
31) Hexachlorobutadiene	10.81	225	210505	19.489	ng/ul	96
32) Caprolactam	11.42	113	93848m	19.693	ng/ul	
33) 4-Chloro-3-methylphenol	11.77	107	317884	19.434	ng/ul	95
34) 2-Methylnaphthalene	12.15	142	704484	19.735	ng/ul	90

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.52	216	400999	19.052 ng/ul#	95
37) Hexachlorocyclopentadiene	12.50	237	224442	16.201 ng/ul	96
38) 2,4,6-Trichlorophenol	12.76	196	264395	20.149 ng/ul	97
39) 2,4,5-Trichlorophenol	12.83	196	276398	19.830 ng/ul	97
40) 1,1'-Biphenyl	13.17	154	947474	19.219 ng/ul	97
41) 2-Chloronaphthalene	13.21	162	756390	19.557 ng/ul	99
42) 2-Nitroaniline	13.42	65	220265	19.438 ng/ul	90
44) Dimethylphthalate	13.80	163	945052	19.036 ng/ul	98
45) 2,6-Dinitrotoluene	13.92	165	196574	19.414 ng/ul	92
47) Acenaphthylene	14.06	152	1149319	19.389 ng/ul	99
48) 3-Nitroaniline	14.25	138	185643	20.512 ng/ul	85
49) Acenaphthene	14.40	153	785511	19.453 ng/ul	98
50) 2,4-Dinitrophenol	14.46	184	93792	16.739 ng/ul#	88
52) 4-Nitrophenol	14.57	109	165432	18.698 ng/ul#	79
53) Dibenzofuran	14.74	168	1151497	19.316 ng/ul	100
54) 2,4-Dinitrotoluene	14.71	165	289024	19.622 ng/ul	90
55) 2,3,4,6-Tetrachlorophenol	14.97	232	246454	19.284 ng/ul#	87
56) Diethylphthalate	15.17	149	957407	19.228 ng/ul	96
58) Fluorene	15.39	166	940429	19.069 ng/ul	97
59) 4-Chlorophenyl-phenylether	15.39	204	504476	18.847 ng/ul	96
60) 4-Nitroaniline	15.42	138	211205	19.779 ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.47	198	160754	18.365 ng/ul	96
64) N-Nitrosodiphenylamine	15.60	169	807311	19.683 ng/ul	99
65) 4-Bromophenyl-phenylether	16.29	248	324333	19.815 ng/ul	96
66) Hexachlorobenzene	16.39	284	346313	19.186 ng/ul#	91
67) Atrazine	16.56	200	310663	20.520 ng/ul	93
68) Pentachlorophenol	16.74	266	200949	19.248 ng/ul	97
69) Phenanthrene	17.13	178	1532547	19.374 ng/ul	98
71) Anthracene	17.22	178	1573059	19.455 ng/ul	99
72) Carbazole	17.49	167	1321019	18.994 ng/ul	98
73) Di-n-butylphthalate	18.06	149	1648962	20.310 ng/ul	98
74) Fluoranthene	19.15	202	1841745	18.999 ng/ul#	93
77) Pyrene	19.51	202	1855459	21.829 ng/ul#	91
78) Butylbenzylphthalate	20.42	149	753394	22.685 ng/ul	94
79) 3,3'-Dichlorobenzidine	21.20	252	559776	19.032 ng/ul#	95
80) Benzo(a)anthracene	21.26	228	1761862	19.847 ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.20	149	1119804	22.369 ng/ul#	97
82) Chrysene	21.31	228	1600165	19.430 ng/ul	98
84) Di-n-octyl phthalate	22.08	149	1800806	22.877 ng/ul	99
85) Benzo(b)fluoranthene	22.83	252	1511248	20.252 ng/ul#	98
86) Benzo(k)fluoranthene	22.88	252	1412984	20.121 ng/ul#	97
88) Benzo(a)pyrene	23.41	252	1320637	19.701 ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.74	276	1290586	19.404 ng/ul#	93
90) Dibenzo(a,h)anthracene	25.75	278	1082914	19.121 ng/ul#	97
91) Benzo(g,h,i)perylene	26.42	276	1032083	19.672 ng/ul#	95

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