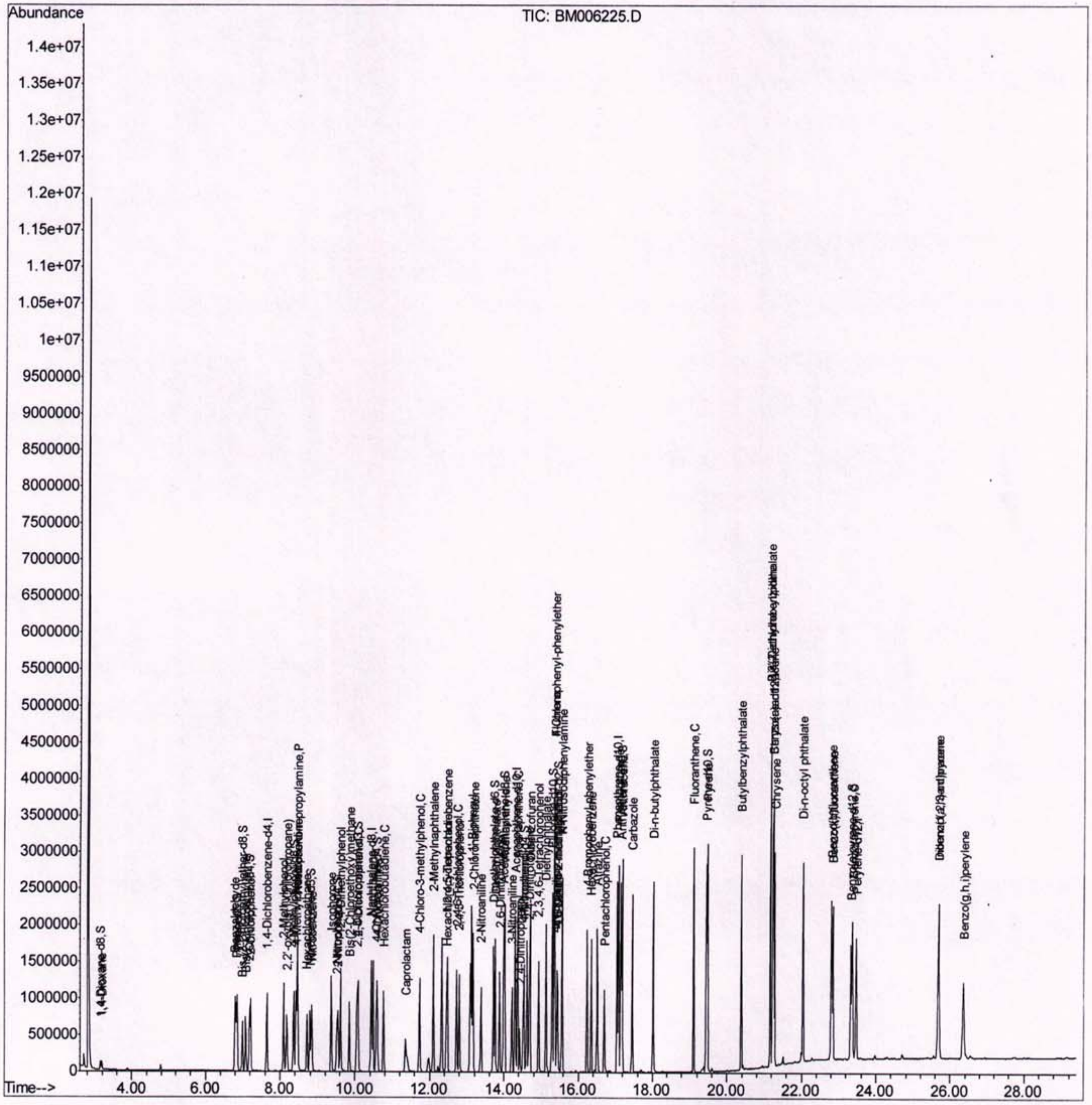
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070316\
Data File : BM006225.D
Acq On : 03 Jul 2016 07:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 04:34:43 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 01:54:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02034

Manual Integrations
APPROVED
Sohil
7/5/2016 1:14:13 PM



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070316\
Data File : BM006225.D
Acq On : 03 Jul 2016 07:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTD02034

Manual Integrations
APPROVED
Sohil
7/5/2016 1:14:13 PM

Quant Time: Jul 05 04:34:43 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 01:54:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.47	216	464820	19.78 ng/ul	99
37) Hexachlorocyclopentadiene	12.45	237	240548	18.01 ng/ul	97
38) 2,4,6-Trichlorophenol	12.72	196	324316	19.53 ng/ul	100
39) 2,4,5-Trichlorophenol	12.79	196	339867	19.60 ng/ul	98
40) 1,1'-Biphenyl	13.12	154	1203078	20.64 ng/ul	99
41) 2-Chloronaphthalene	13.16	162	924015	20.34 ng/ul	99
42) 2-Nitroaniline	13.37	65	336544	19.42 ng/ul	96
44) Dimethylphthalate	13.76	163	1147266	19.35 ng/ul	100
45) 2,6-Dinitrotoluene	13.88	165	247160	19.24 ng/ul	99
47) Acenaphthylene	14.02	152	1525927	19.91 ng/ul	99
48) 3-Nitroaniline	14.21	138	257745	21.96 ng/ul	99
49) Acenaphthene	14.36	153	952433	19.56 ng/ul	99
50) 2,4-Dinitrophenol	14.43	184	116325	16.26 ng/ul	97
52) 4-Nitrophenol	14.53	109	197271	17.55 ng/ul	97
53) Dibenzofuran	14.70	168	1376084	19.80 ng/ul	99
54) 2,4-Dinitrotoluene	14.67	165	344944	19.00 ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	14.93	232	292054	18.68 ng/ul	97
56) Diethylphthalate	15.13	149	1184344	19.14 ng/ul	99
58) Fluorene	15.35	166	1059377	19.01 ng/ul	100
59) 4-Chlorophenyl-phenylether	15.34	204	516779	18.89 ng/ul	99
60) 4-Nitroaniline	15.38	138	280264	20.25 ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.44	198	187492	19.00 ng/ul	98
64) N-Nitrosodiphenylamine	15.56	169	963206	20.34 ng/ul	100
65) 4-Bromophenyl-phenylether	16.24	248	348509	19.86 ng/ul	99
66) Hexachlorobenzene	16.36	284	378103	19.52 ng/ul	98
67) Atrazine	16.52	200	352048	20.12 ng/ul	99
68) Pentachlorophenol	16.70	266	191366	18.59 ng/ul	96
69) Phenanthrene	17.09	178	1721608	19.69 ng/ul	100
71) Anthracene	17.18	178	1754114	19.42 ng/ul	99
72) Carbazole	17.46	167	1563164	20.65 ng/ul	99
73) Di-n-butylphthalate	18.02	149	2002429	19.25 ng/ul	100
74) Fluoranthene	19.11	202	1906702	19.60 ng/ul	97
77) Pyrene	19.48	202	1933744	23.08 ng/ul	99
78) Butylbenzylphthalate	20.39	149	835337	21.82 ng/ul	99
79) 3,3'-Dichlorobenzidine	21.17	252	527573	21.36 ng/ul	99
80) Benzo(a)anthracene	21.23	228	1635993	19.96 ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.16	149	1074855	20.93 ng/ul	100
82) Chrysene	21.29	228	1483078	19.82 ng/ul	99
84) Di-n-octyl phthalate	22.03	149	1806972	25.28 ng/ul	99
85) Benzo(b)fluoranthene	22.80	252	1545740	21.70 ng/ul	99
86) Benzo(k)fluoranthene	22.84	252	1356353	20.46 ng/ul	98
88) Benzo(a)pyrene	23.36	252	1392418	20.19 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.68	276	1519033	19.26 ng/ul	98
90) Dibenzo(a,h)anthracene	25.69	278	1269455	19.52 ng/ul	99
91) Benzo(g,h,i)perylene	26.36	276	1310758	19.27 ng/ul	97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070316\
Data File : BM006225.D
Acq On : 03 Jul 2016 07:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTD02034

Manual Integrations
APPROVED
Sohil
7/5/2016 1:14:13 PM

Quant Time: Jul 05 04:34:43 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 01:54:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	272515	20.00 ng/ul	0.00
18) Naphthalene-d8	10.43	136	1236994	20.00 ng/ul	0.00
35) Acenaphthene-d10	14.30	164	706722	20.00 ng/ul	0.00
61) Phenanthrene-d10	17.04	188	1567418	20.00 ng/ul	0.00
75) Chrysene-d12	21.24	240	1336036	20.00 ng/ul	0.00
83) Perylene-d12	23.46	264	1203173	20.00 ng/ul	0.01
System Monitoring Compounds					
3) 1,4-Dioxane-d8	3.16	96	48484	7.61 ng/uL	0.00
5) Phenol-d5	6.82	99	493698	19.35 ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	311061	20.66 ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	373893	19.14 ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	398411	19.29 ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	191797	19.46 ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	209160	18.72 ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	381644	18.85 ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	498609	23.70 ng/ul	0.00
43) Dimethylphthalate-d6	13.71	166	1146612	19.44 ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1456704	19.95 ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	214044	19.15 ng/ul	0.00
57) Fluorene-d10	15.29	176	976395	19.20 ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	174474	19.00 ng/ul	0.00
70) Anthracene-d10	17.14	188	1451317	19.41 ng/ul	0.00
76) Pyrene-d10	19.44	212	1483076	23.28 ng/ul	0.00
87) Benzo(a)pyrene-d12	23.32	264	1118308	20.01 ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) 1,4-Dioxane	3.19	88	52275	7.49 ng/uL#	31
4) Benzaldehyde	6.79	77	338099	22.90 ng/ul	96
6) Phenol	6.85	94	519456	19.59 ng/ul	96
8) Bis(2-Chloroethyl)ether	7.07	93	408224	20.84 ng/ul	100
10) 2-Chlorophenol	7.21	128	385978	19.09 ng/ul	98
11) 2-Methylphenol	8.09	108	405143	19.94 ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	8.18	45	595398	20.35 ng/ul	99
14) Acetophenone	8.46	105	623170	19.80 ng/ul	97
15) N-Nitroso-di-n-propylamine	8.45	70	343364	19.10 ng/ul	98
16) 4-Methylphenol	8.42	108	437223	19.83 ng/ul	98
17) Hexachloroethane	8.72	117	158961	19.20 ng/ul	95
20) Nitrobenzene	8.85	77	499297	19.47 ng/ul	98
21) Isophorone	9.36	82	956864	19.58 ng/ul	99
23) 2-Nitrophenol	9.55	139	230519	19.16 ng/ul	97
24) 2,4-Dimethylphenol	9.62	107	488019	19.18 ng/ul	98
25) Bis(2-Chloroethoxy)methane	9.85	93	586617	20.10 ng/ul	99
27) 2,4-Dichlorophenol	10.08	162	386928	19.31 ng/ul	98
28) Naphthalene	10.47	128	1241084	19.50 ng/ul	100
30) 4-Chloroaniline	10.59	127	520298	23.80 ng/ul	99
31) Hexachlorobutadiene	10.76	225	233385	18.64 ng/ul	98
32) Caprolactam	11.35	113	143110m	18.03 ng/ul	
33) 4-Chloro-3-methylphenol	11.73	107	455334	18.62 ng/ul	98
34) 2-Methylnaphthalene	12.10	142	930469	19.26 ng/ul	96

U.M.
07/04/16

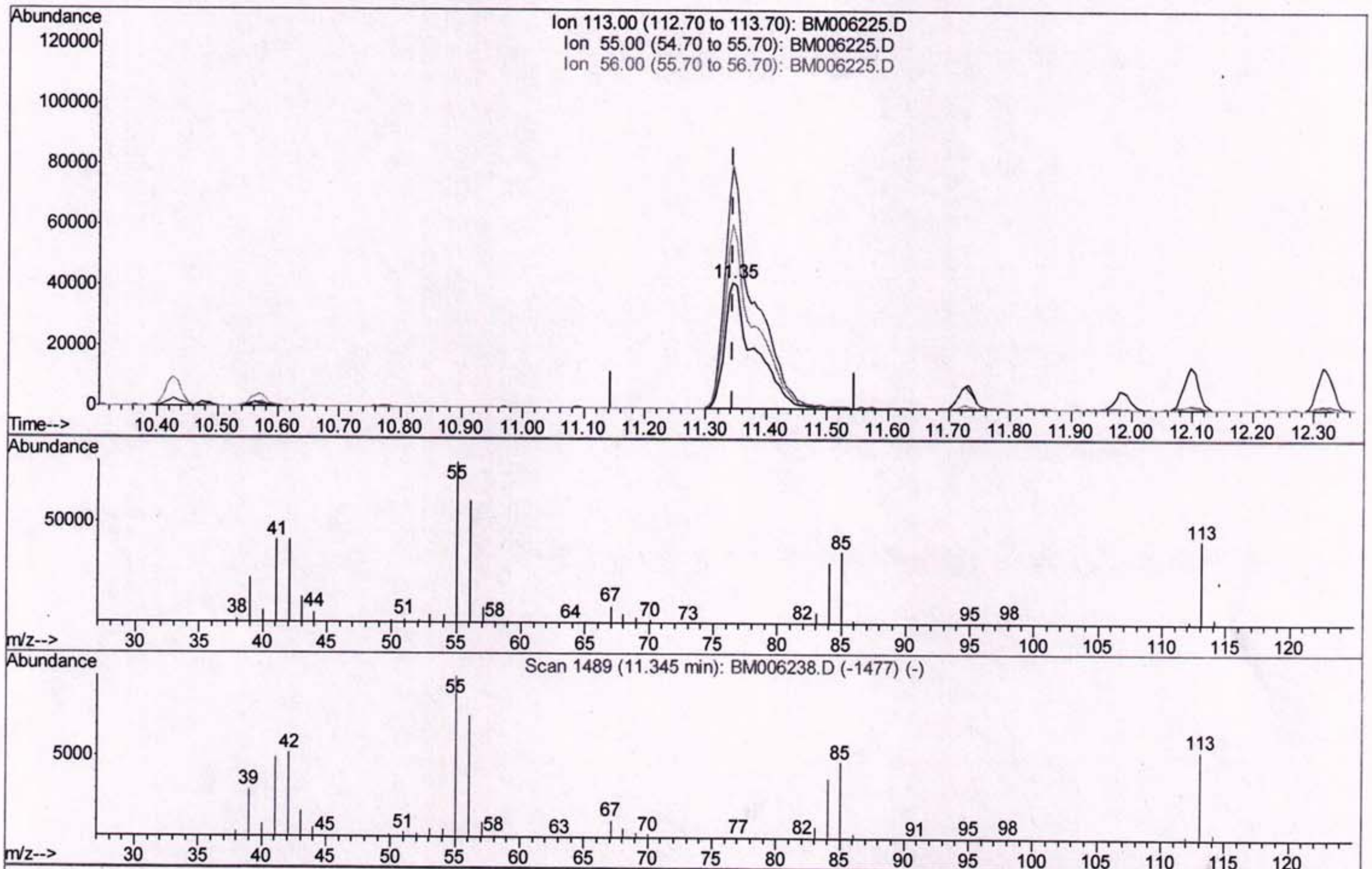
Quantitation Report (Qedit)

```
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070316\
Data File : BM006225.D
Acq On    : 03 Jul 2016   07:36
Operator  : UM/SJ
Sample    : SSTDCCC020
Misc      :
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Jul 05 04:34:23 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
Quant Title  : SVOA CALIBRATION
QLast Update : Mon Jul 04 01:54:46 2016
Response via : Initial Calibration
```

Instrument :
BNA_M
LabSampleId :
SSTD02034

Manual Integrations
APPROVED
Sohil
7/5/2016 1:14:13 PM



(32) Caprolactam

11.345min (+0.000) 18.03ng/ul m

response 143110

Ion	Exp%	Act%
113.00	100	100
55.00	194.80	192.11
56.00	150.60	145.81
0.00	0.00	0.00

U.M
07/04/16

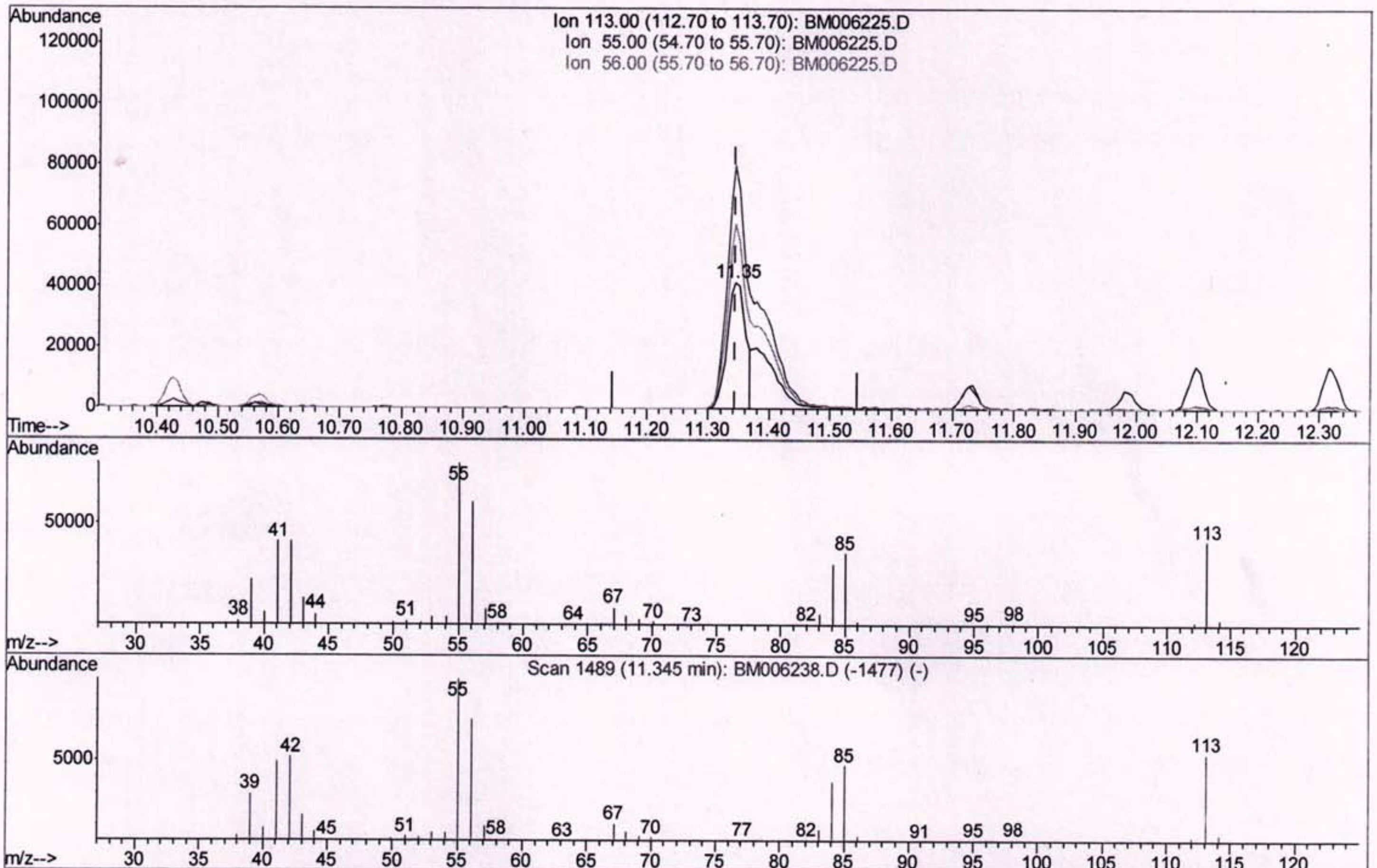
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070316\
Data File : BM006225.D
Acq On : 03 Jul 2016 07:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 04:34:23 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 01:54:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02034

Manual Integrations
APPROVED
Sohil
7/5/2016 1:14:13 PM



TIC: BM006225.D

(32) Caprolactam

11.345min (+0.000) 11.11ng/ul

response 88157

Ion	Exp%	Act%
113.00	100	100
55.00	194.80	192.11
56.00	150.60	145.81
0.00	0.00	0.00