Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

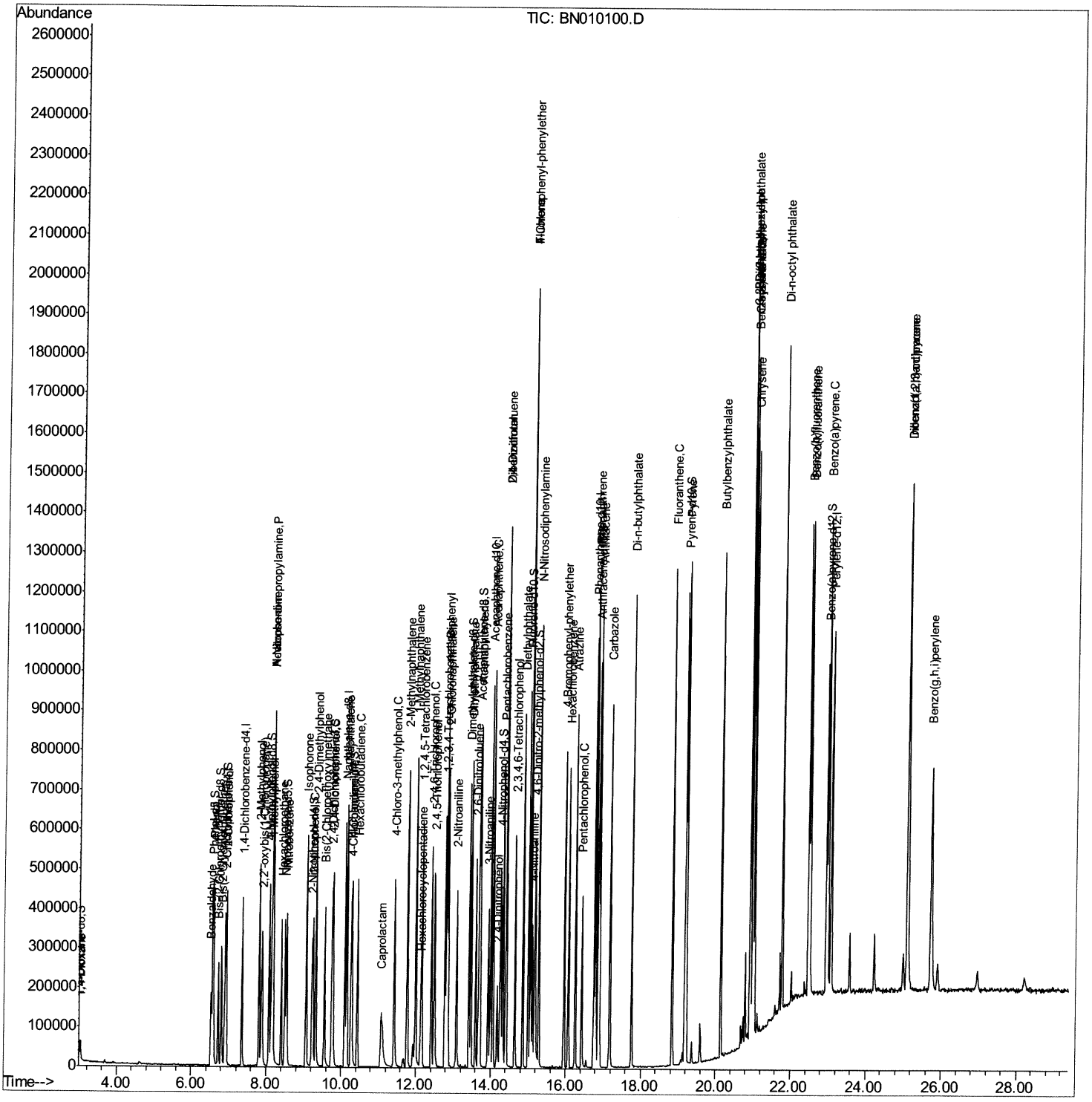
Quantitation Report (QT Reviewed)

Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 05 08:24:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

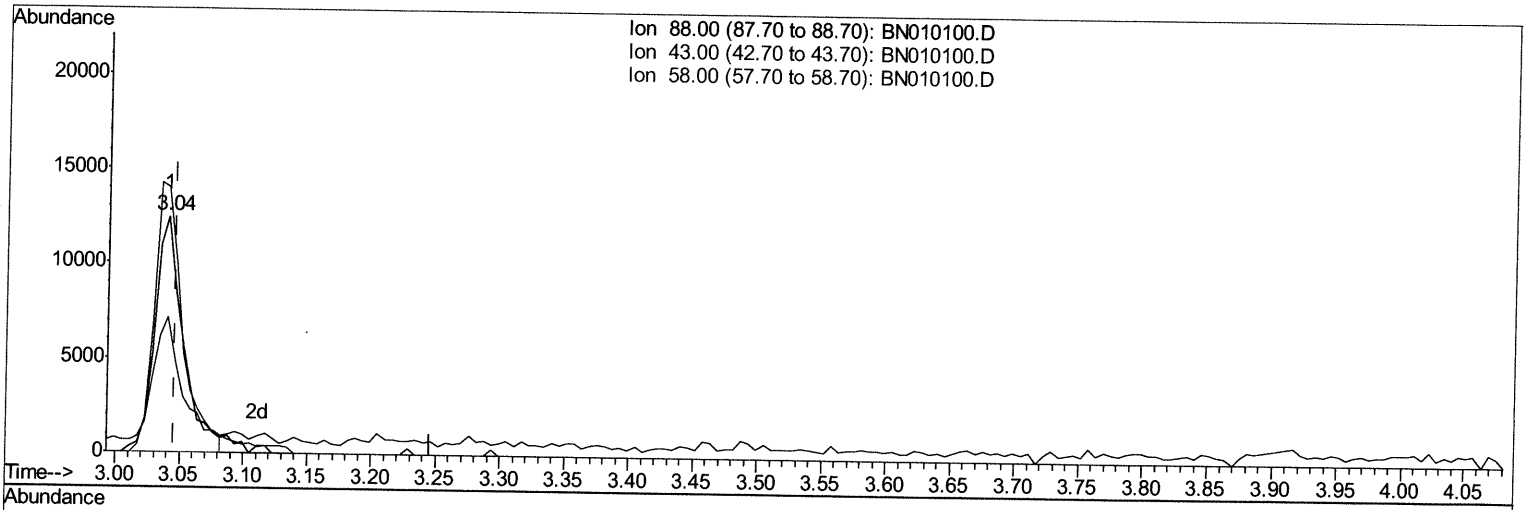
Quantitation Report (Qedit)

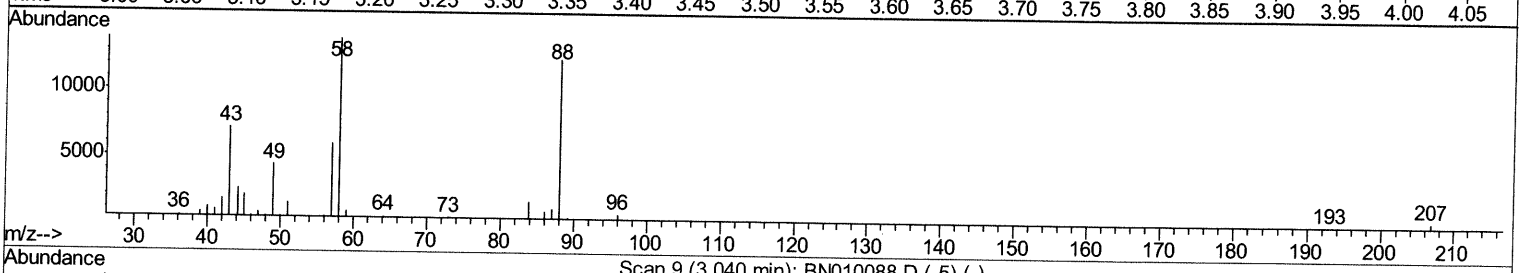
Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

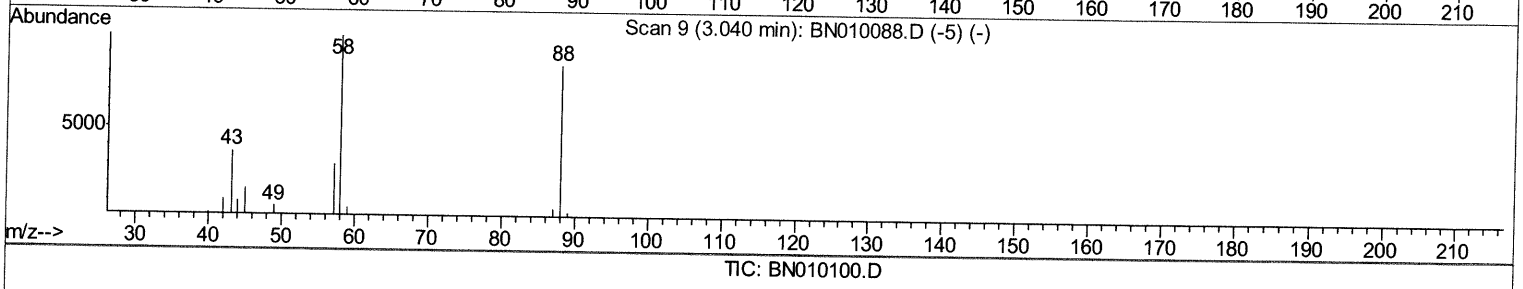
Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM







TIC: BN010100.D

(2) 1,4-Dioxane

3.040min (-0.006) 6.75ng/uL

response 18970

Ion	Exp%	Act%
88.00	100	100
43.00	55.90	57.27
58.00	120.20	112.22
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

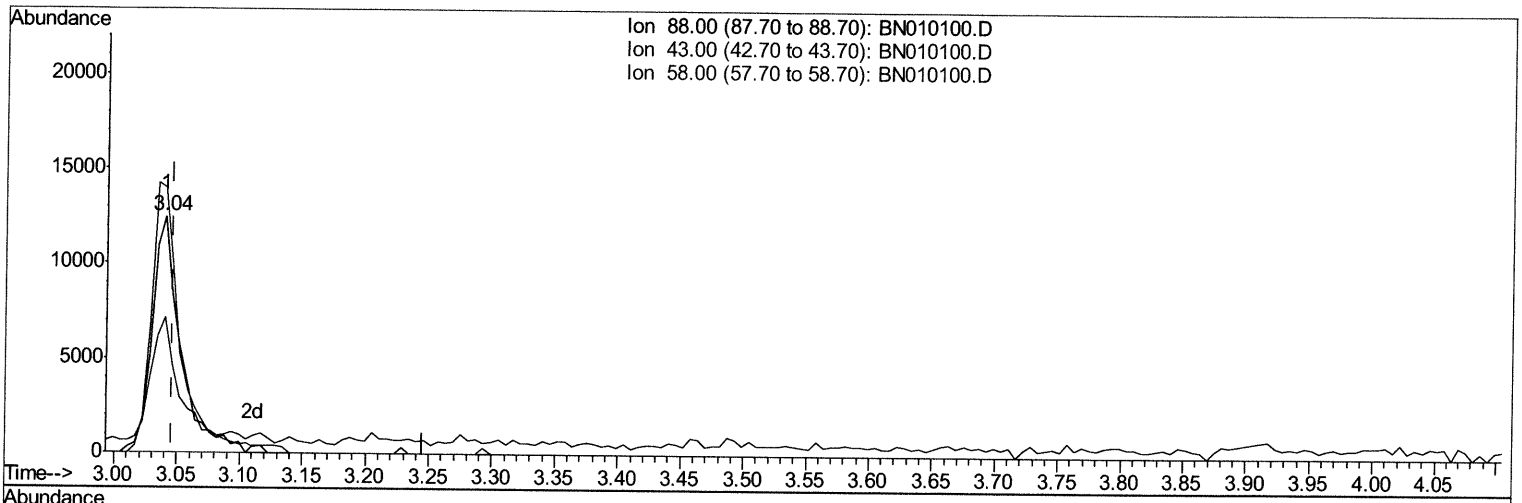
Quantitation Report (Qedit)

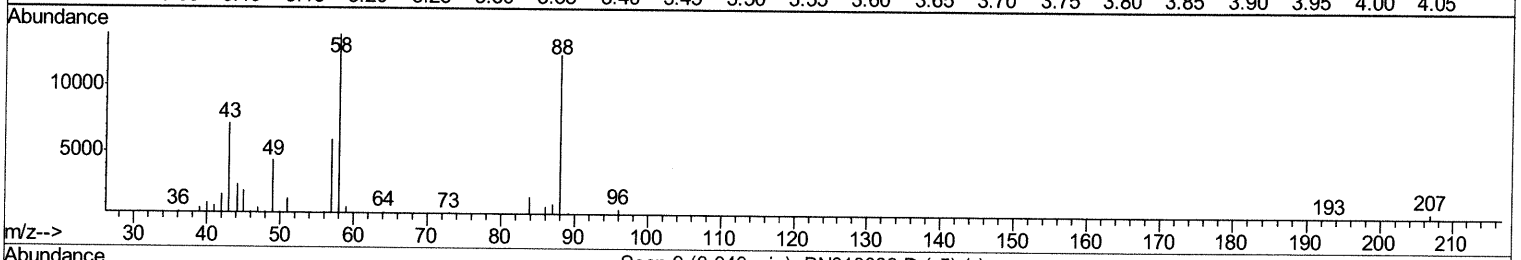
Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

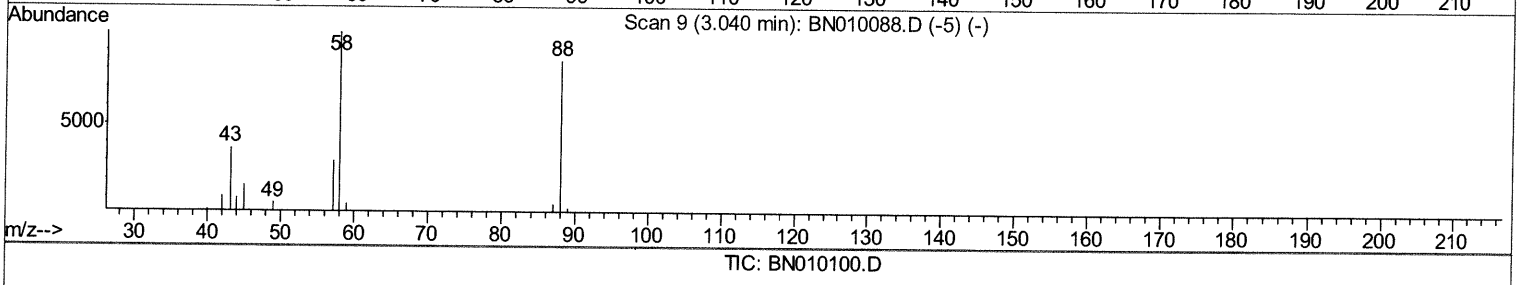
Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM







TIC: BN010100.D

(2) 1,4-Dioxane

3.040min (-0.006) 7.00ng/uL m JU03/05/20

response 19666

Ion	Exp%	Act%
88.00	100	100
43.00	55.90	57.27
58.00	120.20	112.22
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

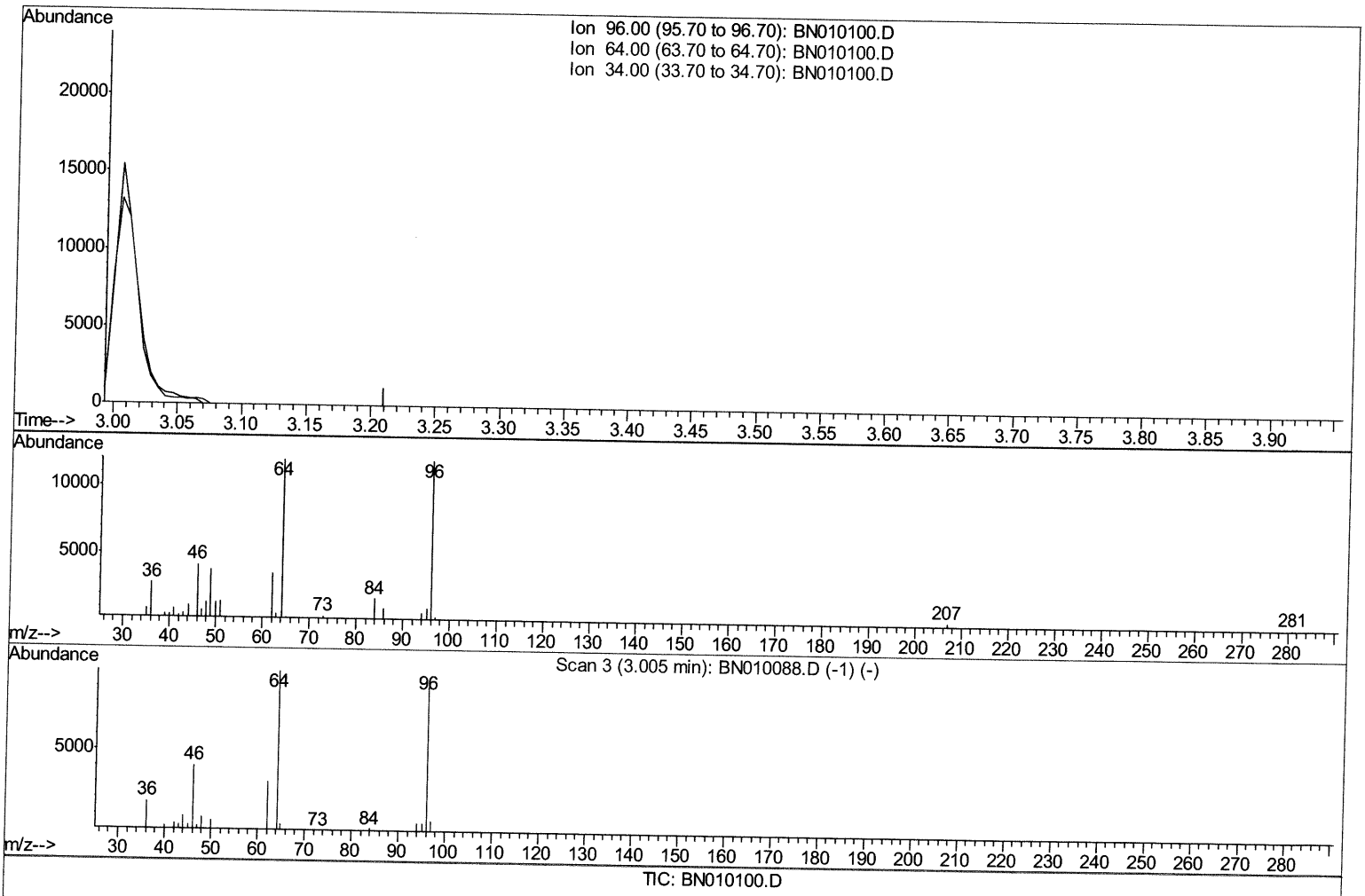
Quantitation Report (Qedit)

Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM



TIC: BN010100.D

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

3.011min (-3.011) 0.00ng/uL

response 0

Ion	Exp%	Act%
96.00	100	0.00
64.00	93.60	0.00#
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

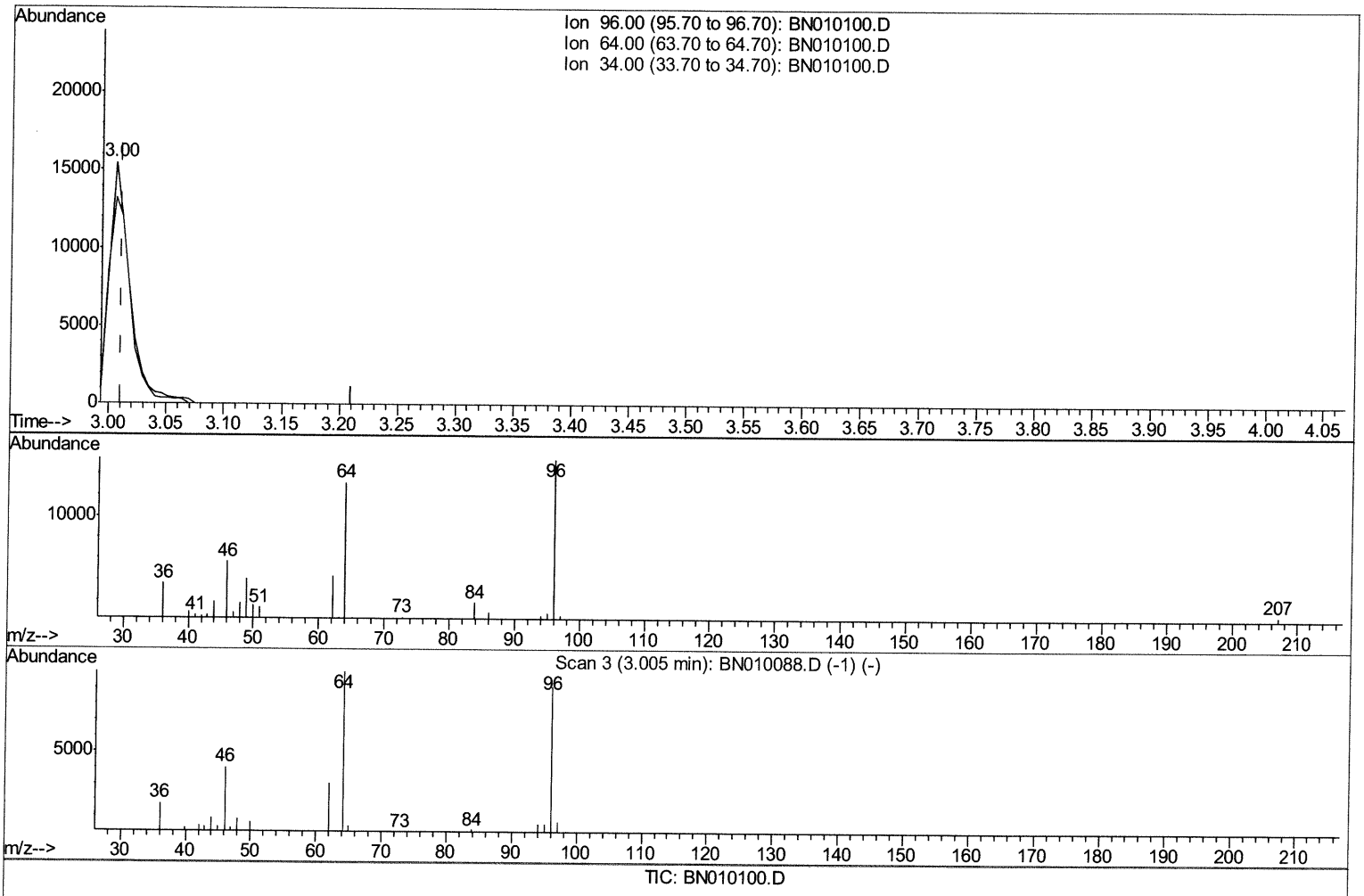
Quantitation Report (Qedit)

Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM



TIC: BN010100.D

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

3.005min (-0.006) 7.62ng/uL m JU 03/05/20

response 18642

Ion	Exp%	Act%
96.00	100	100
64.00	93.60	85.51
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

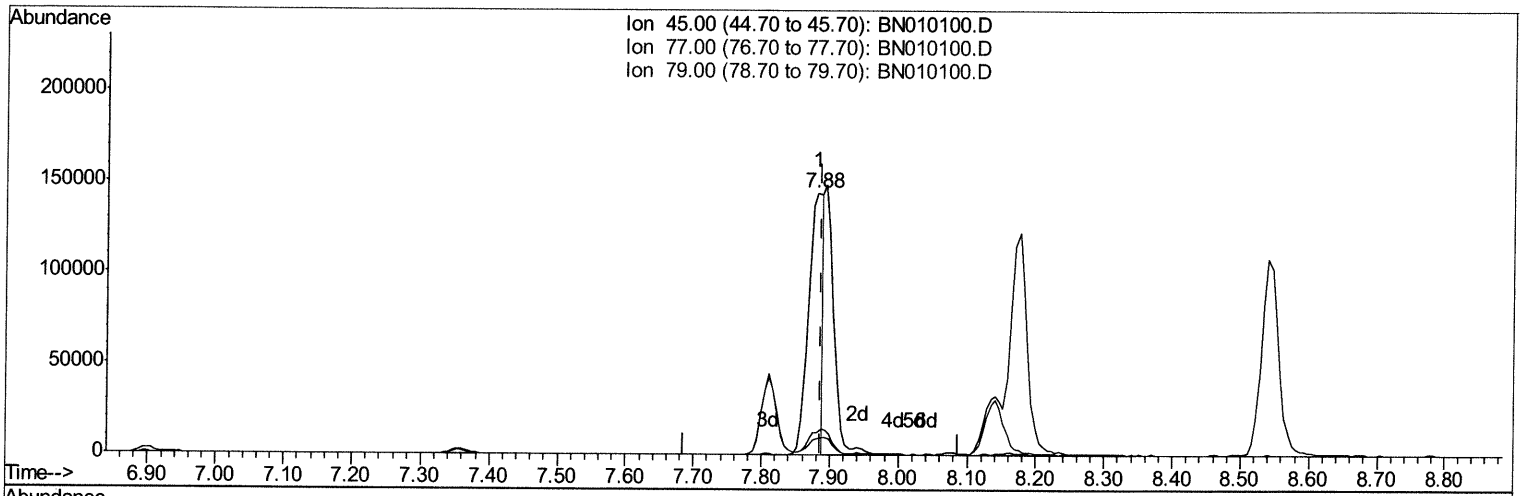
Quantitation Report (Qedit)

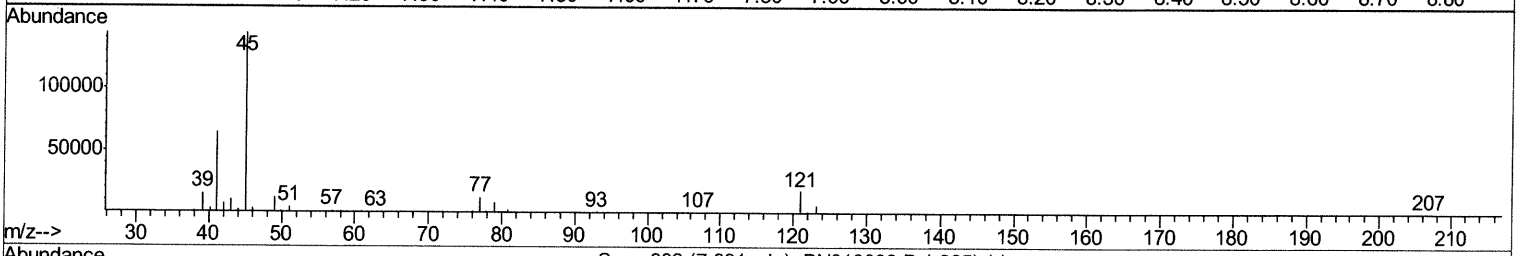
Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

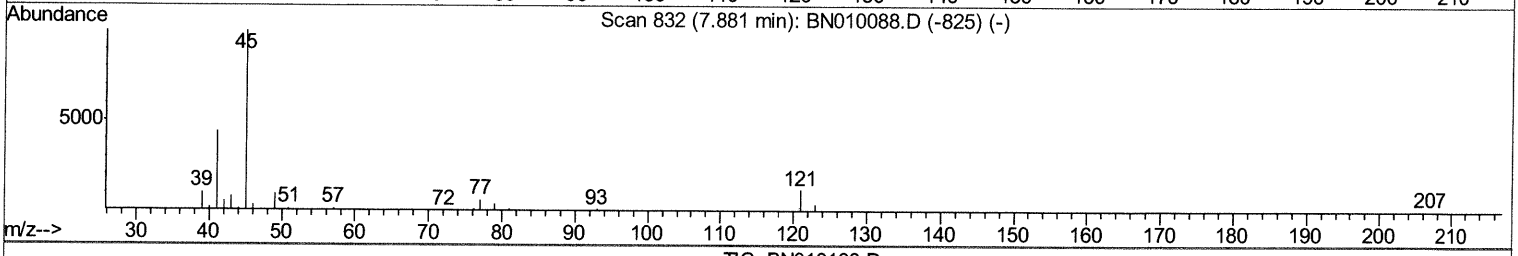
Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM







TIC: BN010100.D

(12) 2,2'-oxybis(1-Chloropropane)

7.881min (-0.006) 12.05ng/ul

response 212836

Ion	Exp%	Act%
45.00	100	100
77.00	7.90	8.63
79.00	6.40	6.03
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

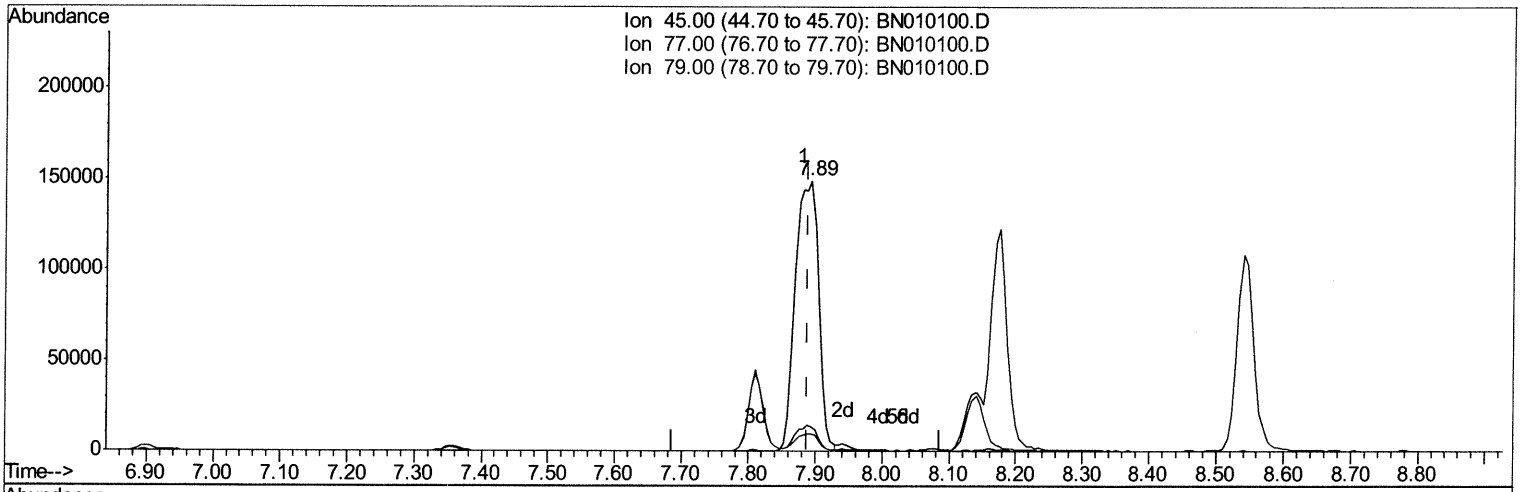
Quantitation Report (Qedit)

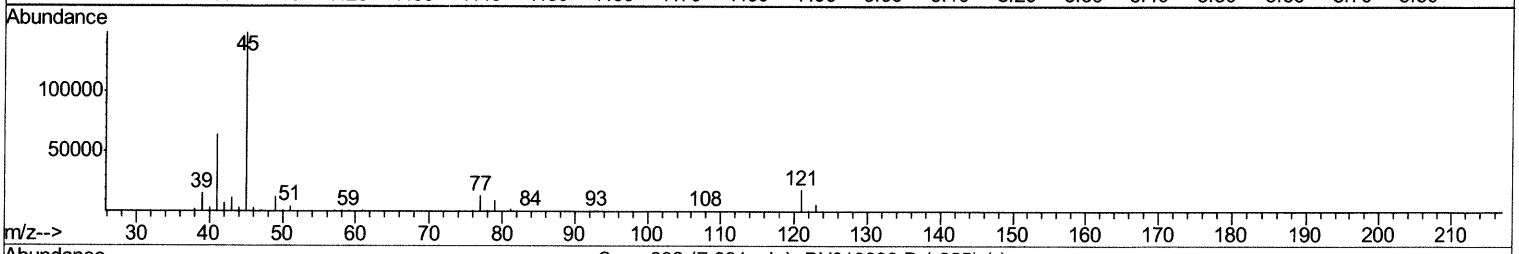
Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

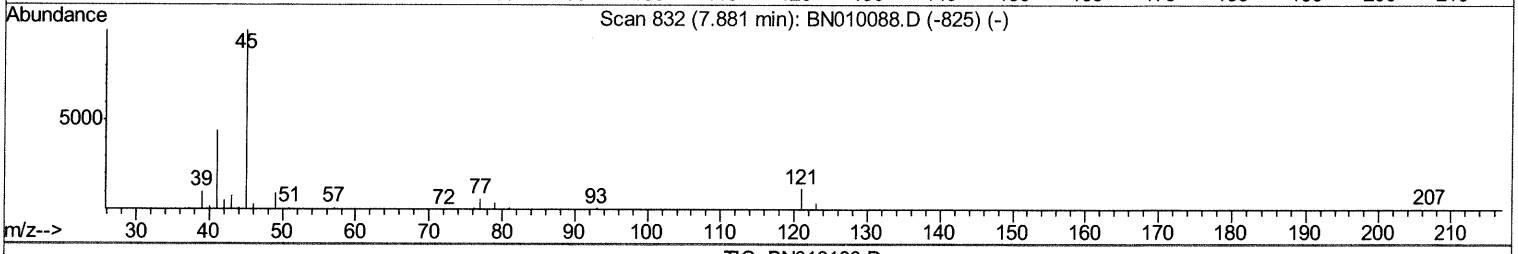
Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM







TIC: BN010100.D

(12) 2,2'-oxybis(1-Chloropropane)

7.893min (+0.006) 20.26ng/ul m JU 03/03/20

response 357743

Ion	Exp%	Act%
45.00	100	100
77.00	7.90	9.06
79.00	6.40	6.53
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

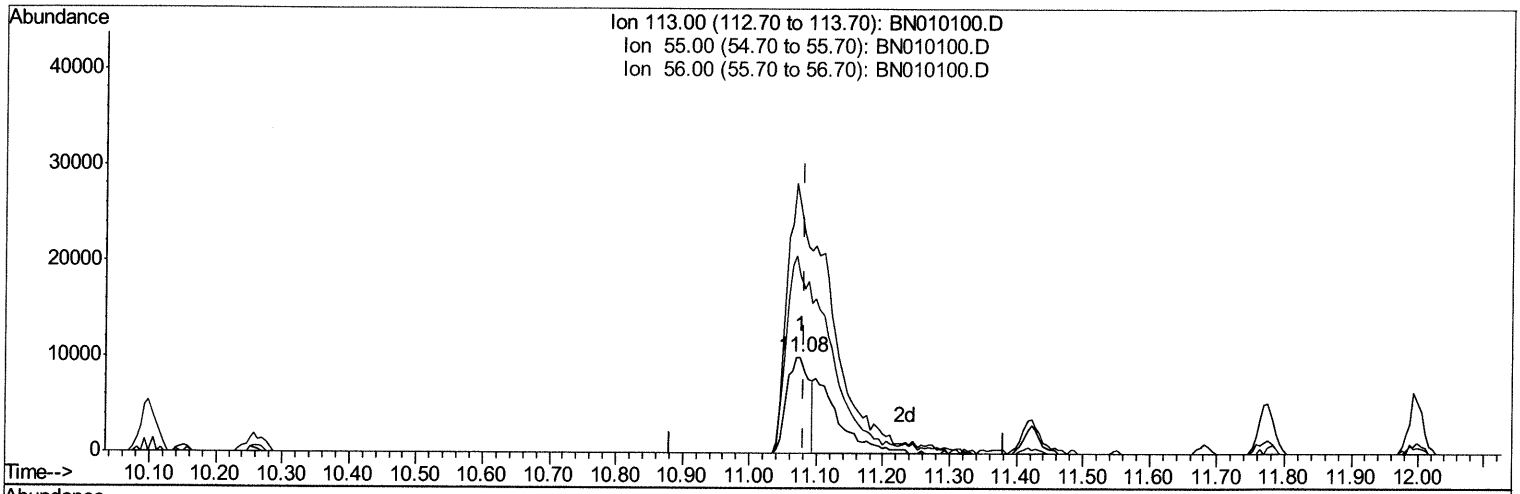
Quantitation Report (Qedit)

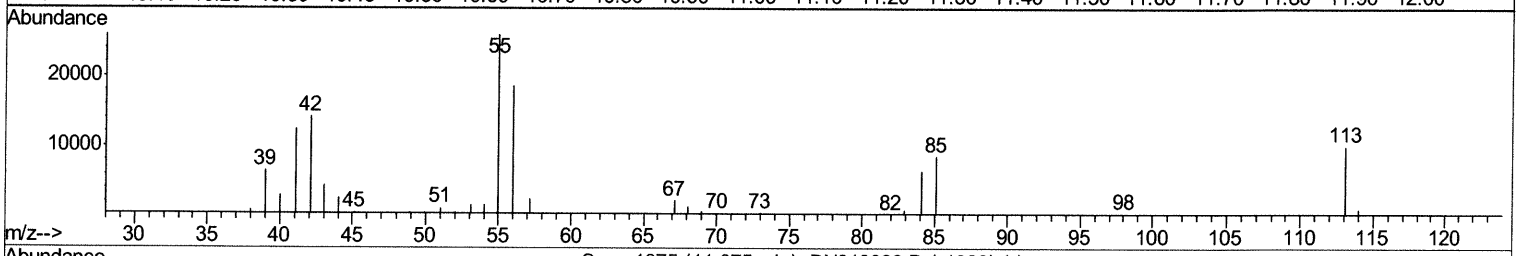
Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

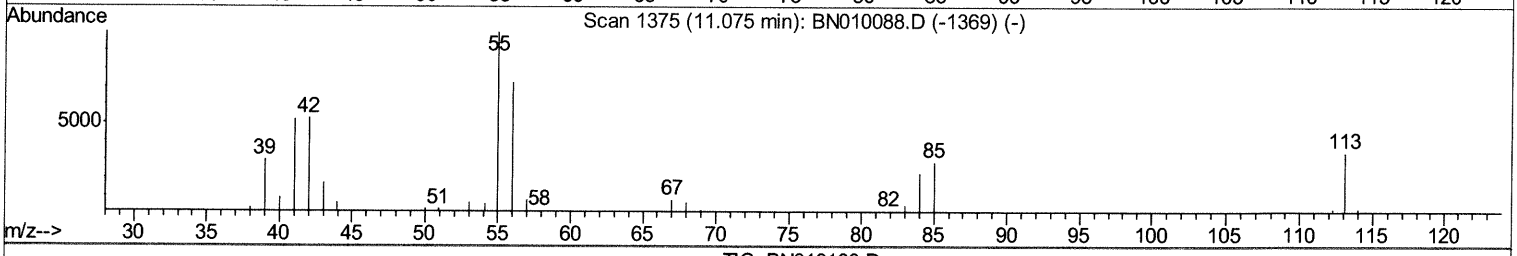
Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM







TIC: BN010100.D

(32) Caprolactam

11.075min (-0.006) 10.23ng/ul

response 23467

Ion	Exp%	Act%
113.00	100	100
55.00	261.40	259.36
56.00	202.00	185.68
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

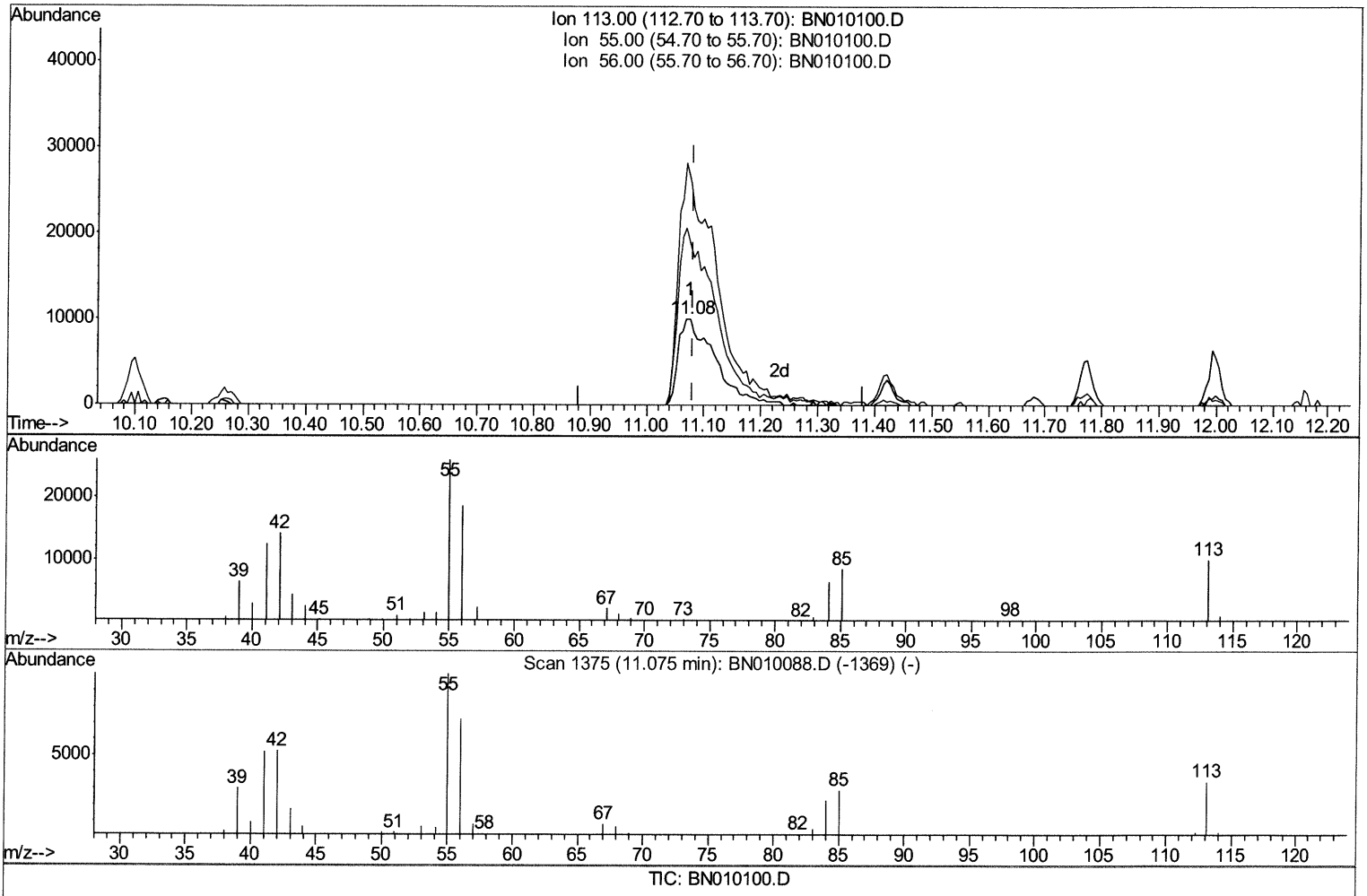
Quantitation Report (Qedit)

Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM



TIC: BN010100.D

(32) Caprolactam

11.075min (-0.006) 19.38ng/ul m JU 03/05/20

response 44470

Ion	Exp%	Act%
113.00	100	100
55.00	261.40	259.36
56.00	202.00	185.68
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

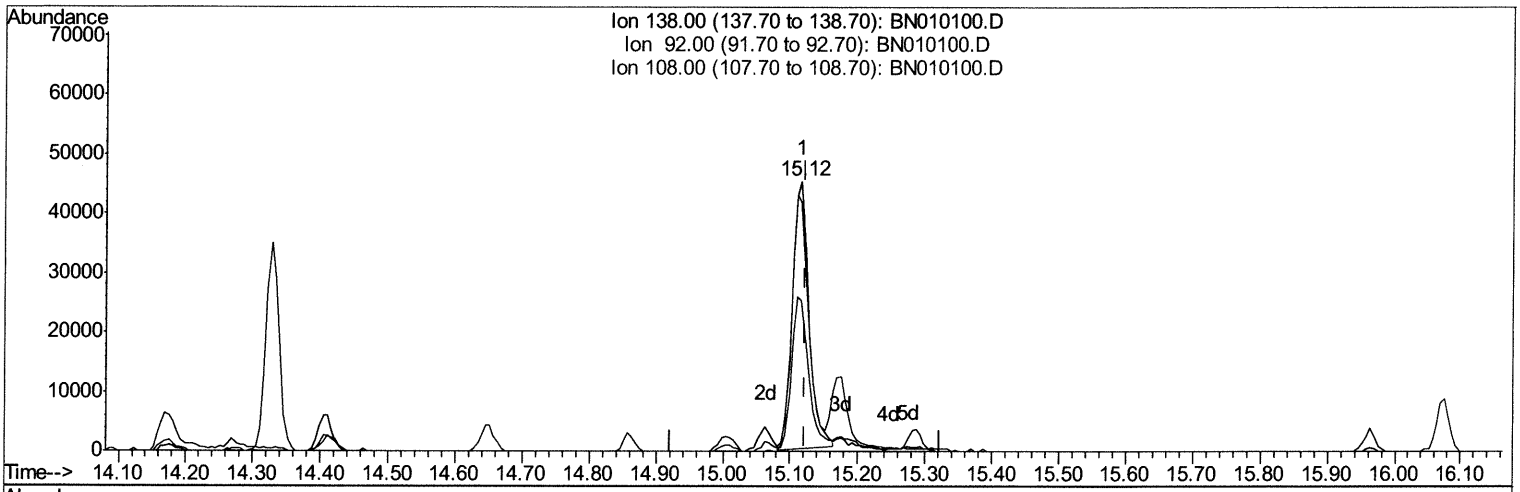
Quantitation Report (Qedit)

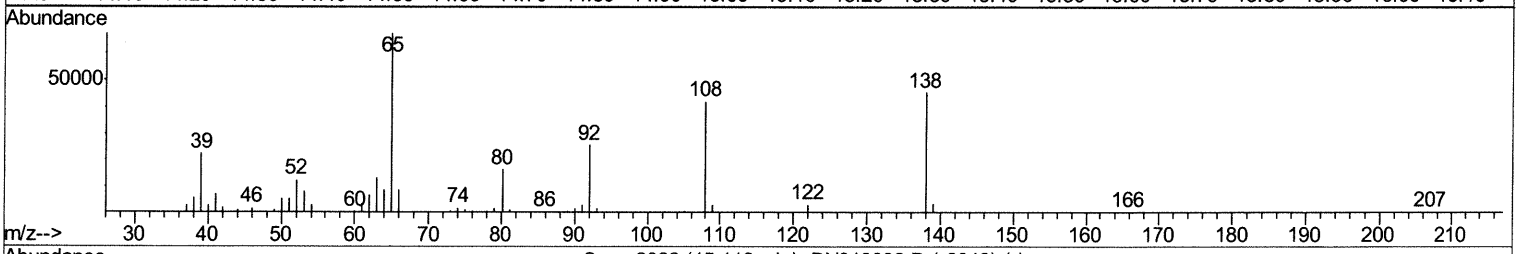
Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

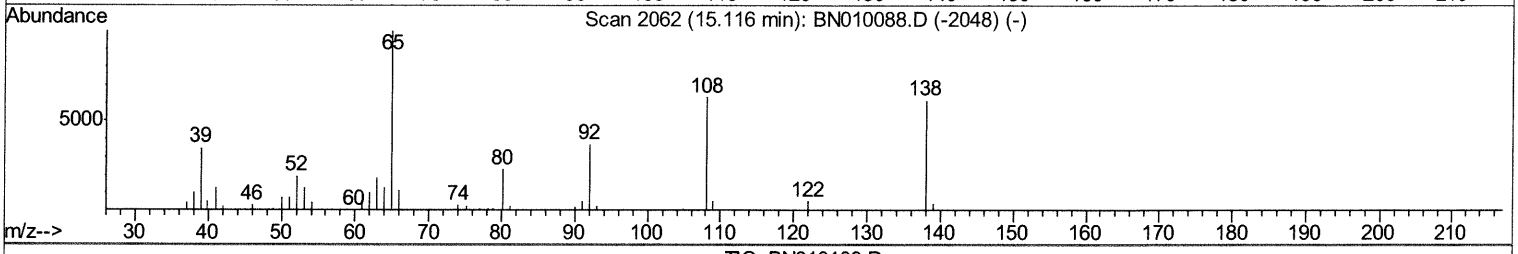
Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM







TIC: BN010100.D

(61) 4-Nitroaniline

15.116min (-0.006) 15.52ng/ul

response 76417

Ion	Exp%	Act%
138.00	100	100
92.00	59.70	56.06
108.00	90.40	92.30
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

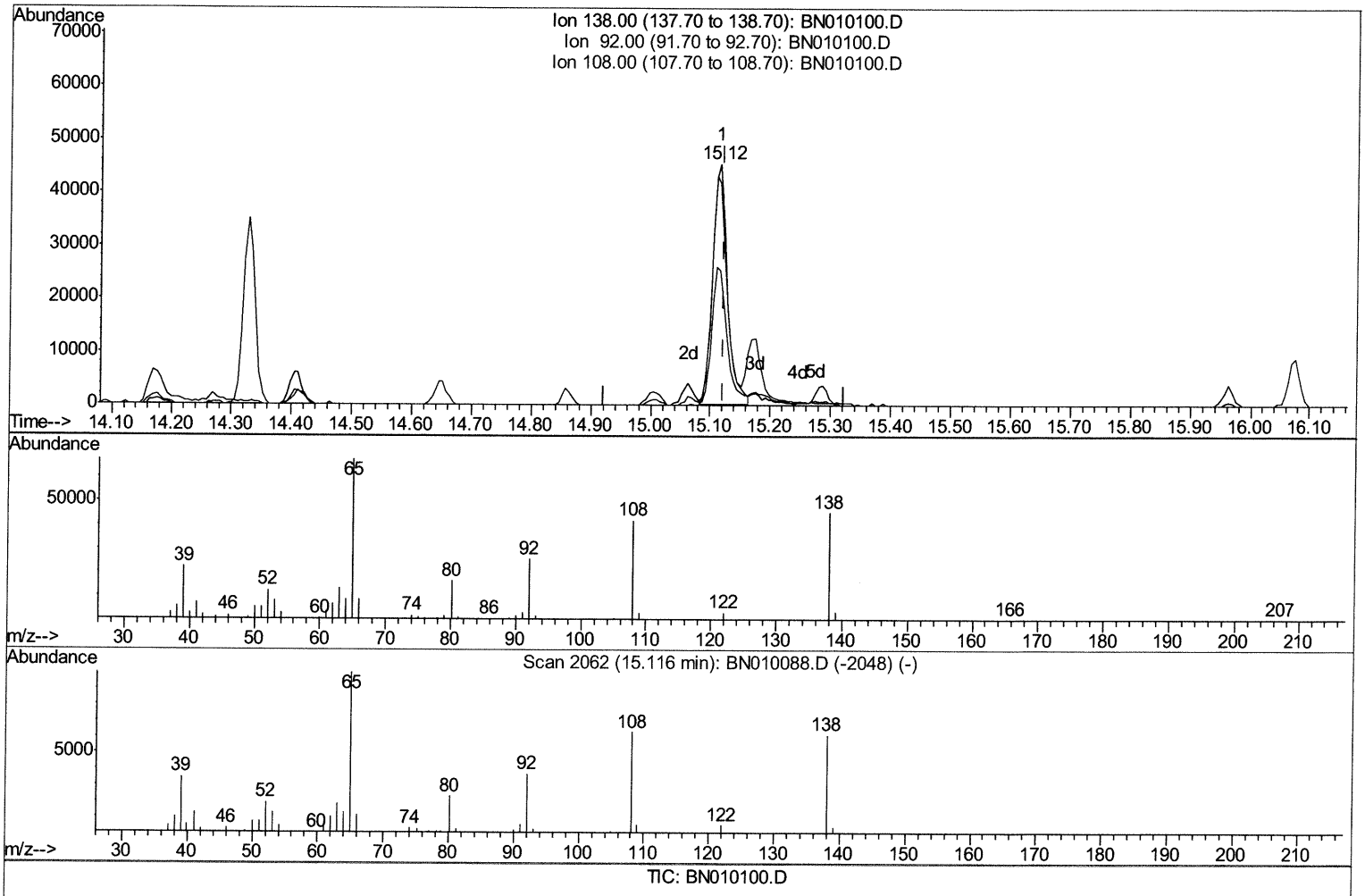
Quantitation Report (Qedit)

Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 05 07:53:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument :
BNA_N
LabSampleId :
SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM



TIC: BN010100.D

(61) 4-Nitroaniline

15.116min (-0.006) 15.89ng/ul m JU 03/05/20

response 78255

Ion	Exp%	Act%
138.00	100	100
92.00	59.70	56.06
108.00	90.40	92.30
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

Quantitation Report (QT Reviewed)

Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
LabSampleId : SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM

Quant Time: Mar 05 08:24:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	100562	20.00	ng/ul	0.00
18) Naphthalene-d8	10.10	136	440674	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.00	164	286672	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.76	188	581892	20.00	ng/ul	0.00
78) Chrysene-d12	20.99	240	507500	20.00	ng/ul	0.00
86) Perylene-d12	23.08	264	546571	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.00	96	18642m >	7.62	ng/uL >	0.00 JU03/05/20
5) Phenol-d5	6.56	99	173380	20.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.72	67	116717	19.77	ng/ul	0.00
9) 2-Chlorophenol-d4	6.90	132	132790	20.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.08	113	139356	20.48	ng/ul	0.00
19) Nitrobenzene-d5	8.50	128	66515	20.63	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.21	143	75877	21.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.75	165	144618	21.33	ng/ul	0.00
29) 4-Chloroaniline-d4	10.26	131	171493	22.51	ng/ul	-0.01
44) Dimethylphthalate-d6	13.43	166	412802	19.28	ng/ul	0.00
47) Acenaphthylene-d8	13.69	160	491351	19.48	ng/ul	0.00
52) 4-Nitrophenol-d4	14.26	143	67156	17.17	ng/ul	0.00
58) Fluorene-d10	15.00	176	348866	18.87	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.17	200	68922	19.07	ng/ul	0.00
71) Anthracene-d10	16.86	188	532833	19.98	ng/ul	0.00
79) Pyrene-d10	19.17	212	552263	20.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.95	264	526358	19.28	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.04	88	19666m >	7.001	ng/uL >	JU03/03/20
4) Benzaldehyde	6.53	77	69830	12.276	ng/ul	97
6) Phenol	6.59	94	189134	20.634	ng/ul	97
8) Bis(2-Chloroethyl)ether	6.80	93	143190	19.876	ng/ul	96
10) 2-Chlorophenol	6.93	128	143208	21.112	ng/ul	96
11) 2-Methylphenol	7.81	108	140441	20.938	ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	7.89	45	357743m >	20.256	ng/ul >	JU03/05/20
14) Acetophenone	8.18	105	236433	21.325	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.16	70	130118	22.460	ng/ul	96
16) 4-Methylphenol	8.14	108	155788	21.167	ng/ul	97
17) Hexachloroethane	8.40	117	64099	20.771	ng/ul	96
20) Nitrobenzene	8.54	77	186187	19.599	ng/ul	98
21) Isophorone	9.06	82	349632	20.912	ng/ul	99
23) 2-Nitrophenol	9.24	139	85829	21.748	ng/ul	97
24) 2,4-Dimethylphenol	9.32	107	179395	20.936	ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.55	93	201870	19.756	ng/ul	99
27) 2,4-Dichlorophenol	9.77	162	144830	21.172	ng/ul	98
28) Naphthalene	10.15	128	469073	19.739	ng/ul	99
30) 4-Chloroaniline	10.28	127	185780	23.815	ng/ul	96
31) Hexachlorobutadiene	10.43	225	89757	19.620	ng/ul	92
32) Caprolactam	11.08	113	44470m >	19.385	ng/ul >	JU03/05/20
33) 4-Chloro-3-methylphenol	11.42	107	166550	21.292	ng/ul	99
34) 2-Methylnaphthalene	11.78	142	342185	20.738	ng/ul	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030420\

Quantitation Report (QT Reviewed)

Data File : BN010100.D
Acq On : 05 Mar 2020 04:15
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 05 08:24:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 04 01:30:16 2020
Response via : Initial Calibration

Instrument : BNA_N
LabSampleId : SSTD02088

Manual Integrations APPROVED
mohammad
3/5/2020 3:56:48 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.00	142	327887	19.824	ng/uL	99
37) 1,2,4,5-Tetrachlorobenzene	12.16	216	174465	20.532	ng/ul	99
38) Hexachlorocyclopentadiene	12.13	237	41188	11.203	ng/ul	98
39) 2,4,6-Trichlorophenol	12.42	196	114951	21.315	ng/ul	98
40) 2,4,5-Trichlorophenol	12.50	196	123670	21.376	ng/ul	95
41) 1,1'-Biphenyl	12.82	154	451586	20.510	ng/ul	96
42) 2-Chloronaphthalene	12.86	162	342362	19.579	ng/ul	99
43) 2-Nitroaniline	13.09	65	135436	21.180	ng/ul	99
45) Dimethylphthalate	13.48	163	425480	19.043	ng/ul	100
46) 2,6-Dinitrotoluene	13.60	165	87772	20.067	ng/ul	95
48) Acenaphthylene	13.72	152	531847	19.485	ng/ul	99
49) 3-Nitroaniline	13.93	138	82048	20.318	ng/ul	92
50) Acenaphthene	14.06	153	359860	19.232	ng/ul	95
51) 2,4-Dinitrophenol	14.17	184	43729	17.414	ng/ul	88
53) 4-Nitrophenol	14.27	109	63361	17.956	ng/ul	96
54) Dibenzofuran	14.40	168	519740	19.789	ng/ul	95
55) 2,4-Dinitrotoluene	14.42	165	128234	19.781	ng/ul	95
56) 2,3,4,6-Tetrachlorophenol	14.65	232	102094	20.524	ng/ul	97
57) Diethylphthalate	14.86	149	437842	19.084	ng/ul	100
59) Fluorene	15.06	166	419375	19.027	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.06	204	205554	18.909	ng/ul	94
61) 4-Nitroaniline	15.12	138	78255m >	15.891	ng/ul>	JU03/03/20
64) 4,6-Dinitro-2-methylphenol	15.19	198	74187	19.052	ng/ul	95
65) N-Nitrosodiphenylamine	15.29	169	367281	21.273	ng/ul	100
66) 4-Bromophenyl-phenylether	15.96	248	121536	20.873	ng/ul	90
67) Hexachlorobenzene	16.07	284	129174	20.049	ng/ul#	94
68) Atrazine	16.26	200	124014	18.935	ng/ul	95
69) Pentachlorophenol	16.43	266	72339	19.429	ng/ul	98
70) Phenanthrene	16.80	178	655306	19.733	ng/ul	99
72) Anthracene	16.90	178	675418	19.895	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	12.78	216	169961	19.992	ng/uL	97
74) Pentachlorobenzene	14.33	250	166214	20.274	ng/uL	96
75) Carbazole	17.18	167	586312	19.612	ng/ul	99
76) Di-n-butylphthalate	17.76	149	718394	19.469	ng/ul	99
77) Fluoranthene	18.84	202	730648	18.783	ng/ul	96
80) Pyrene	19.20	202	725229	19.821	ng/ul	97
81) Butylbenzylphthalate	20.14	149	328286	21.826	ng/ul	95
82) 3,3'-Dichlorobenzidine	20.92	252	231353	20.908	ng/ul	97
83) Benzo(a)anthracene	20.97	228	702038	20.130	ng/ul	100
84) Bis(2-ethylhexyl)phthalate	20.93	149	480419	20.921	ng/ul	97
85) Chrysene	21.02	228	685645	19.969	ng/ul	98
87) Di-n-octyl phthalate	21.77	149	832393	20.122	ng/ul	100
88) Benzo(b)fluoranthene	22.47	252	674758	19.041	ng/ul	100
89) Benzo(k)fluoranthene	22.51	252	689887	20.560	ng/ul	98
91) Benzo(a)pyrene	22.99	252	654172	20.524	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.11	276	725759	19.179	ng/ul	96
93) Dibenzo(a,h)anthracene	25.12	278	612666	18.926	ng/ul	97
94) Benzo(g,h,i)perylene	25.73	276	619064	19.510	ng/ul	97

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Manual Integrations APPROVED
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3/5/2020 3:56:48 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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