

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012716\

Data File : BG020763.D

Acq On : 27 Jan 2016 13:22

Operator : SJ/IZ

Sample : SSTD04004

MISC :

ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 27 14:08:29 2016

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Jan 27 13:19:54 2016

Response via : Initial Calibration

BNA_G

ClientSampleId :

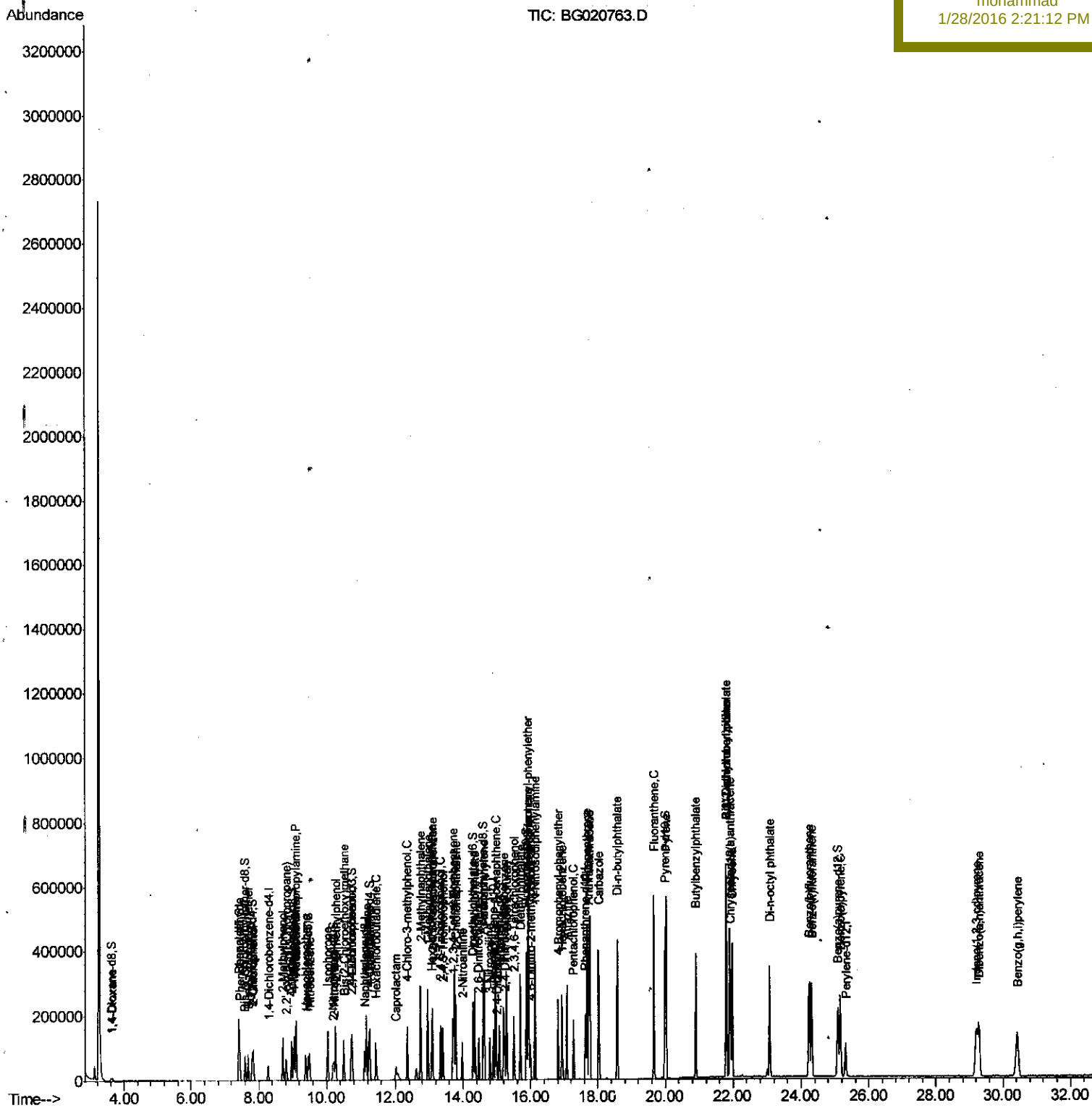
SSTD04004

Manual Integrations

APPROVED

mohammad

1/28/2016 2:21:12 PM



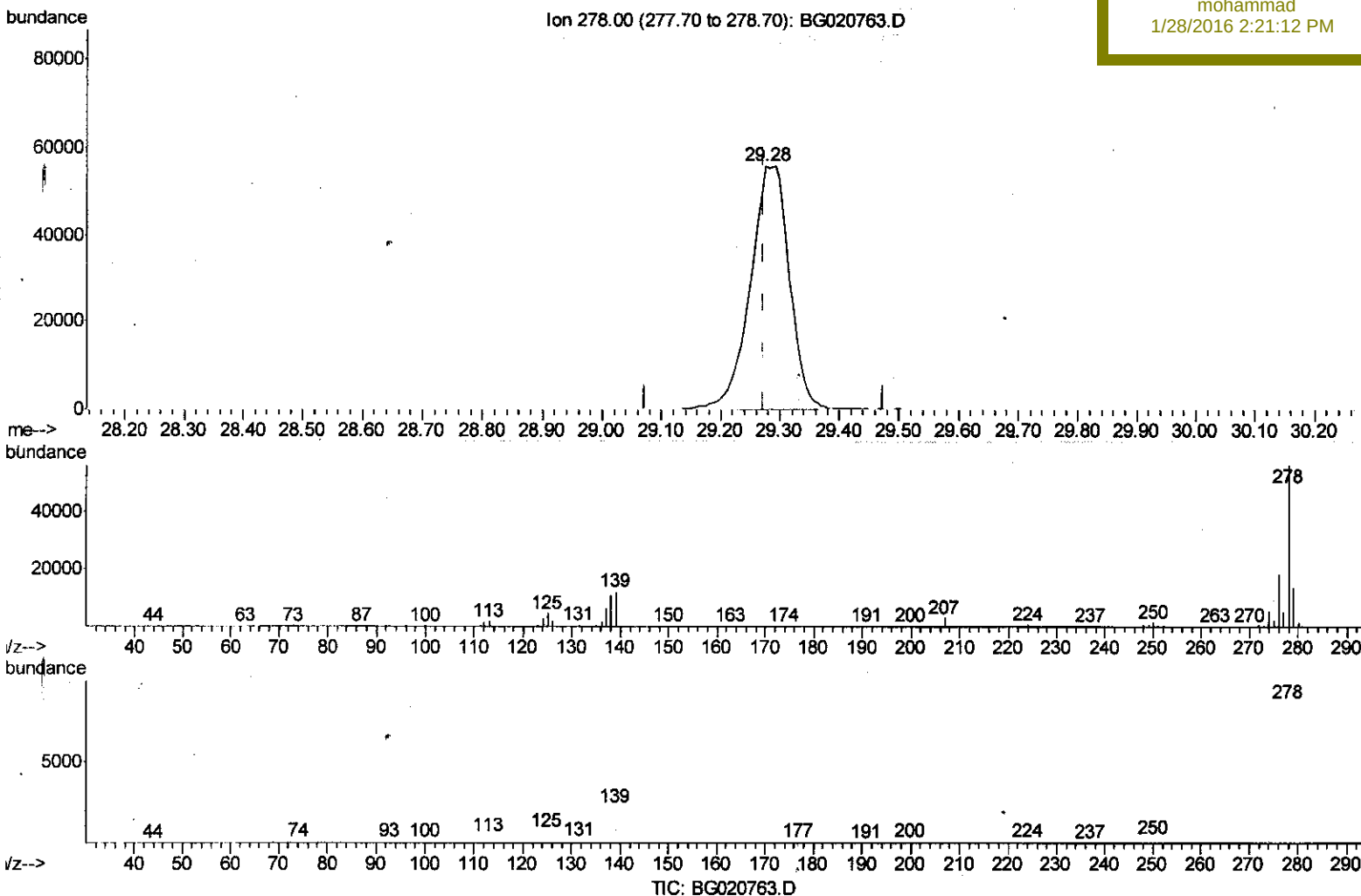
Data Path : Z:\HPCHEM1\BNA G\DATA\BG012716\
 Data File : BG020763.D
 Acq On : 27 Jan 2016 13:22
 Operator : SJ/IZ
 Sample : SSTD04004
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04004

Manual Integrations
 APPROVED

mohammad
 1/28/2016 2:21:12 PM

Quant Time: Jan 27 14:04:12 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 Last Update : Wed Jan 27 13:19:54 2016
 Response via : Initial Calibration



(93) Dibenzo(a,h)anthracene

29.275min (+0.002) 40.77ng/ul m

response 253380

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	21.80#
279.00	23.90	24.37
0.00	0.00	0.00

S. J
 01/28/16

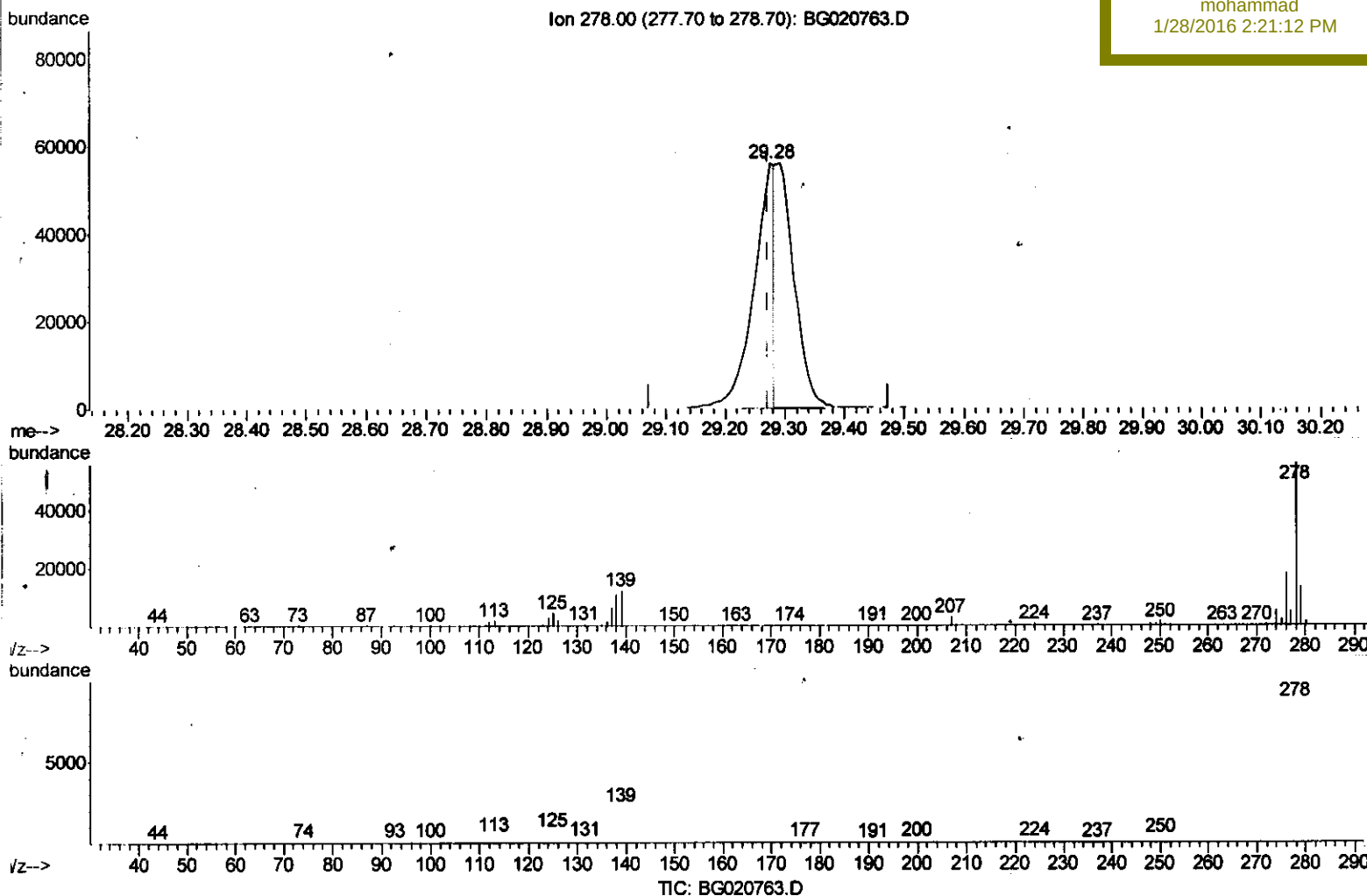
Data Path : Z:\HPCHEM1\BNA G\DATA\BG012716\
 Data File : BG020763.D
 Acq On : 27 Jan 2016 13:22
 Operator : SJ/I2
 Sample : SST04004
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 27 14:04:12 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 27 13:19:54 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SST04004

Manual Integrations
 APPROVED

mohammad
 1/28/2016 2:21:12 PM



(93) Dibenzo(a,h)anthracene

29.275min (+0.002) 20.91ng/ul

response 129941

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	21.80#
279.00	23.90	24.37
0.00	0.00	0.00

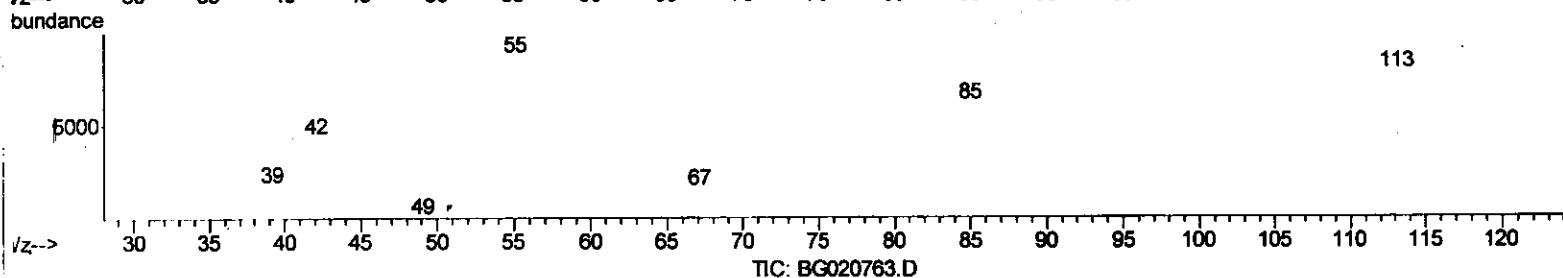
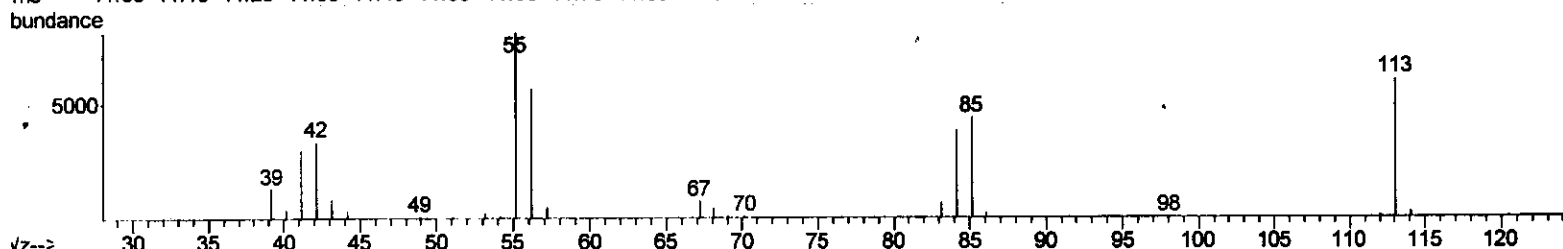
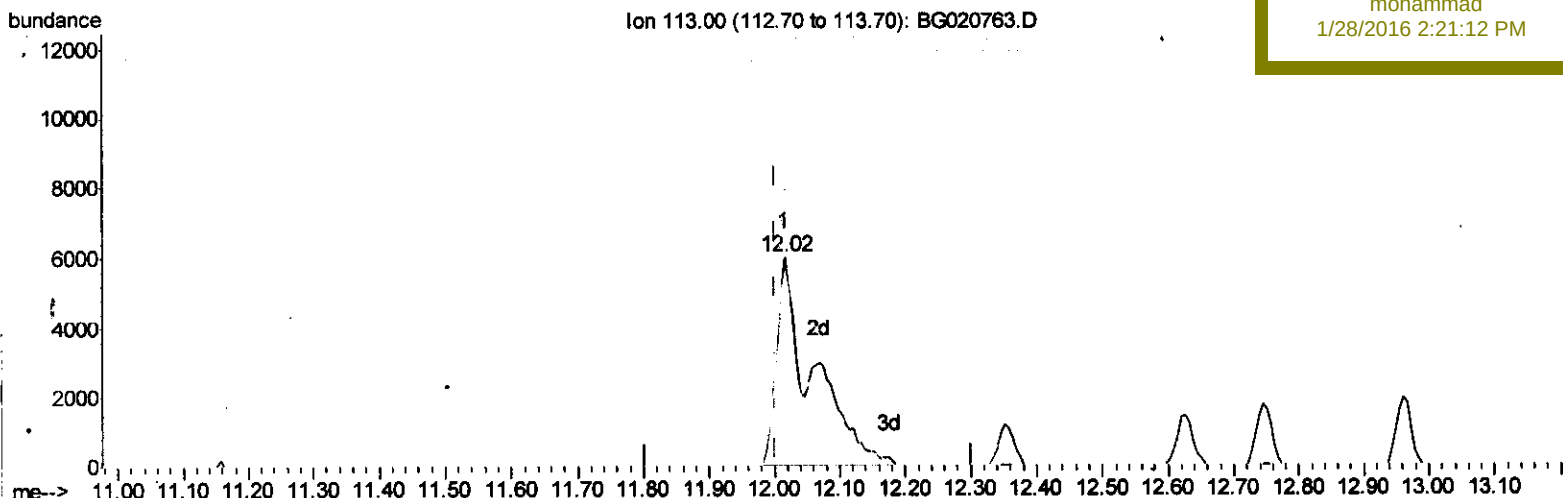
Data Path : Z:\HPCHEM1\BNA G\DATA\BG012716\
 Data File : BG020763.D
 Acq On : 27 Jan 2016 13:22
 Operator : SJ/IZ
 Sample : SST004004
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 27 14:04:12 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 Olast Update : Wed Jan 27 13:19:54 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampled :
 SST004004

Manual Integrations
 APPROVED

mohammad
 1/28/2016 2:21:12 PM



(32) Caprolactam

12.016min (+0.014) 41.68ng/ul m

response 23097

Ion	Exp%	Act%
113.00	100	100
55.00	164.60	133.74
56.00	115.90	94.61
0.00	0.00	0.00

S. J
 01/28/16

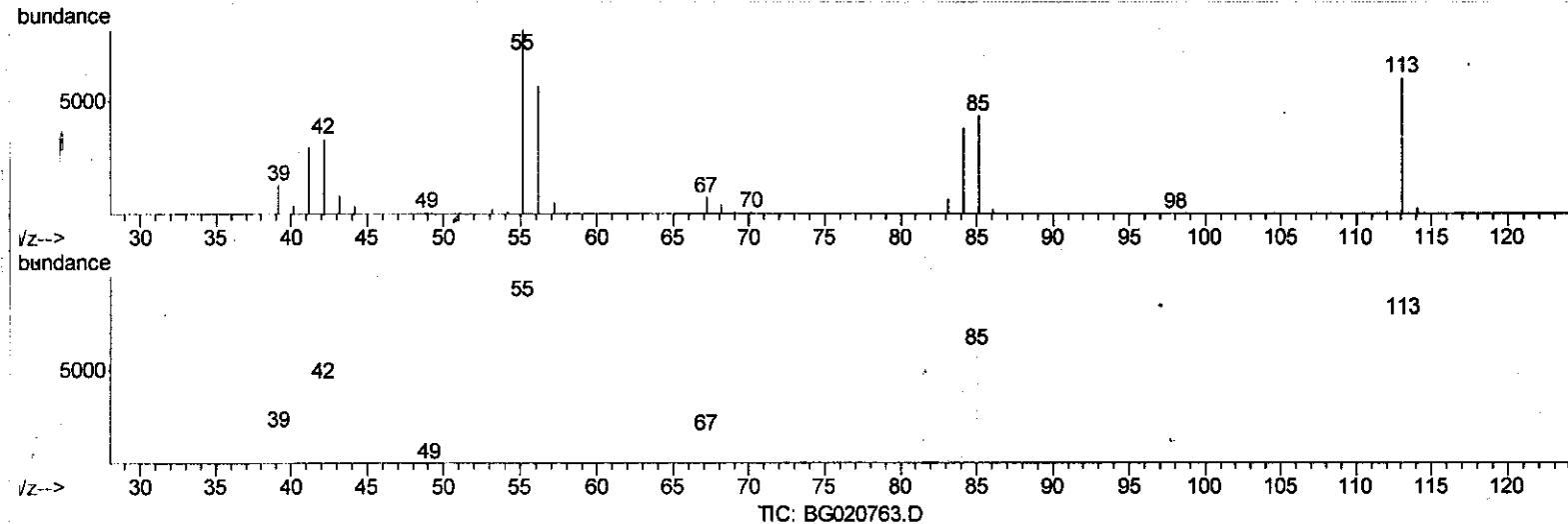
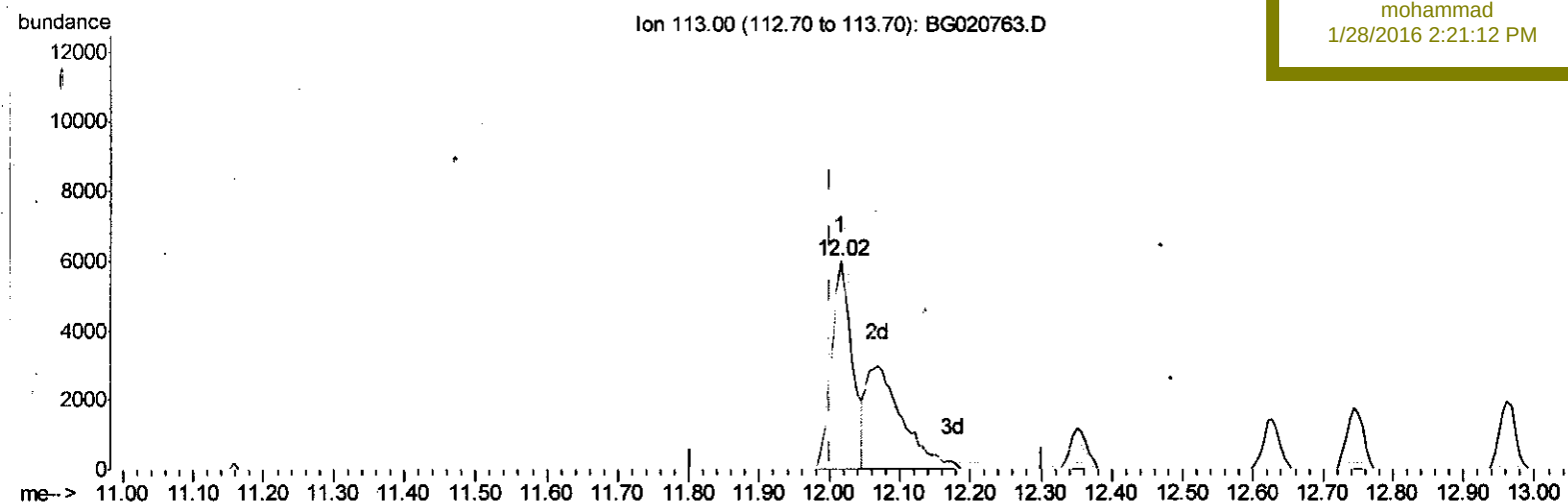
Data Path : Z:\HPCHEM1\BNA G\DATA\BG012716\
 Data File : BG020763.D
 Acq On : 27 Jan 2016 13:22
 Operator : SJ/EZ
 Sample : SST004004
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 27 14:04:12 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 Qlast Update : Wed Jan 27 13:19:54 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SST004004

Manual Integrations
 APPROVED

mohammad
 1/28/2016 2:21:12 PM



(32) Caprolactam

12.016min (+0.014) 22.24ng/ul

response 12325

Ion	Exp%	Act%
113.00	100	100
55.00	164.60	133.74
56.00	115.90	94.61
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012716\
 Data File : BG020763.D
 Acq On : 27 Jan 2016 13:22
 Operator : SJ/TZ
 Sample : SSTD04004
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04004

Manual Integrations
 APPROVED

mohammad
 1/28/2016 2:21:12 PM

Quant Time: Jan 27 14:08:29 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 Last Update : Wed Jan 27 13:19:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	16169	20.00	ng/ul	0.00
18) Naphthalene-d8	11.11	136	87696	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	55663	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.63	188	124542	20.00	ng/ul	0.00
78) Chrysene-d12	21.92	240	109078	20.00	ng/ul	0.00
86) Perylene-d12	25.32	264	103178	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.62	96	5242	15.84	ng/uL	0.00
5) Phenol-d5	7.42	99	66246	47.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.60	67	34703	41.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.81	132	50890	46.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.98	113	58459	50.02	ng/ul	0.00
19) Nitrobenzene-d5	9.45	128	23013	33.26	ng/ul	0.00
22) 2-Nitrophenol-d4	10.18	143	20489	25.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.72	165	54111	35.35	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	80569	53.18	ng/ul	0.00
44) Dimethylphthalate-d6	14.30	166	189197	38.95	ng/ul	0.00
47) Acenaphthylene-d8	14.59	160	233891	42.88	ng/ul	0.00
52) 4-Nitrophenol-d4	15.06	143	35792	54.87	ng/ul	0.00
58) Fluorene-d10	15.88	176	162835	37.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.99	200	16249	23.99	ng/ul	0.00
71) Anthracene-d10	17.73	188	240942	39.47	ng/ul	0.00
79) Pyrene-d10	20.00	212	236492	45.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.08	264	224422	40.81	ng/ul	0.00

Target Compounds

						Ovalue
2) 1,4-Dioxane	3.66	88	6102	15.26	ng/uL#	89
4) Benzaldehyde	7.41	77	41181	43.43	ng/ul#	80
6) Phenol	7.45	94	71752	48.15	ng/ul#	84
8) Bis(2-Chloroethyl)ether	7.69	93	53207	48.53	ng/ul	92
10) 2-Chlorophenol	7.84	128	53185	46.67	ng/ul	91
11) 2-Methylphenol	8.71	108	56632	49.36	ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	8.81	45	57992	40.83	ng/ul	96
14) Acetophenone	9.11	105	89445	46.39	ng/ul#	88
15) N-Nitroso-di-n-propylamine	9.10	70	46077	47.11	ng/ul#	89
16) 4-Methylphenol	9.04	108	63622	50.01	ng/ul	97
17) Hexachloroethane	9.38	117	18207	37.60	ng/ul#	76
20) Nitrobenzene	9.50	77	53536	29.76	ng/ul#	84
21) Isophorone	10.02	82	132639	37.70	ng/ul#	93
23) 2-Nitrophenol	10.21	139	26565	29.78	ng/ul#	73
24) 2,4-Dimethylphenol	10.26	107	65451	34.92	ng/ul	84
25) Bis(2-Chloroethoxy)methane	10.50	93	83013	42.14	ng/ul	98
27) 2,4-Dichlorophenol	10.75	162	56962	35.07	ng/ul	98
28) Naphthalene	11.16	128	192648	38.87	ng/ul	99
30) 4-Chloroaniline	11.26	127	85498	52.53	ng/ul	98
31) Hexachlorobutadiene	11.44	225	26305	19.06	ng/ul	96
32) Caprolactam	12.02	113	23097m	41.68	ng/ul	
33) 4-Chloro-3-methylphenol	12.36	107	66947	38.18	ng/ul	92
34) 2-Methylnaphthalene	12.74	142	150196	40.63	ng/ul	97

S. J
 01/28/16

Data Path : Z:\HPCHEM1\BNA\G\DATA\BG012716\
 Data File : BG020763.D
 Acq On : 27 Jan 2016 13:22
 Operator : SJ/IZ
 Sample : SSTD04004
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 27 14:08:29 2016
 Quant Method : Z:\HPCHEM1\BNA\G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 27 13:19:54 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04004

Manual Integrations
 APPROVED

mohammad
 1/28/2016 2:21:12 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.96	142	142916	40.97	ng/ul#	99
37) 1,2,4,5-Tetrachlorobenzene	13.10	216	64397	28.29	ng/ul#	97
38) Hexachlorocyclopentadiene	13.09	237	32377	66.19	ng/ul#	95
39) 2,4,6-Trichlorophenol	13.33	196	43842	35.31	ng/ul	99
40) 2,4,5-Trichlorophenol	13.40	196	48285	35.43	ng/ul	99
41) 1,1'-Biophenyl	13.74	154	195252	43.84	ng/ul#	98
42) 2-Chloronaphthalene	13.78	162	144169	39.74	ng/ul	99
43) 2-Nitroaniline	13.98	65	32029	30.69	ng/ul#	77
45) Dimethylphthalate	14.34	163	195128	37.39	ng/ul#	98
46) 2,6-Dinitrotoluene	14.47	165	31052	30.38	ng/ul	94
48) Acenaphthylene	14.62	152	257574	44.74	ng/ul	98
49) 3-Nitroaniline	14.79	138	39920	44.07	ng/ul#	89
50) Acenaphthene	14.96	153	178505	44.92	ng/ul	98
51) 2,4-Dinitrophenol	14.99	184	11173	42.11	ng/ul	88
53) 4-Nitrophenol	15.08	109	19665	32.66	ng/ul#	44
54) Dibenzofuran	15.29	168	229900	38.44	ng/ul	95
55) 2,4-Dinitrotoluene	15.24	165	43600	28.36	ng/ul#	92
56) 2,3,4,6-Tetrachlorophenol	15.51	232	42653	35.14	ng/ul#	86
57) Diethylphthalate	15.70	149	204295	38.56	ng/ul	96
59) Fluorene	15.94	166	200489	41.10	ng/ul	97
60) 4-Chlorophenyl-phenylether	15.92	204	86892	30.67	ng/ul	93
61) 4-Nitroaniline	15.95	138	46678	44.51	ng/ul#	74
64) 4,6-Dinitro-2-methylphenol	16.00	198	19714	27.06	ng/ul	94
65) N-Nitrosodiphenylamine	16.13	169	167619	46.46	ng/ul	95
66) 4-Bromophenyl-phenylether	16.82	248	53542	34.00	ng/ul	98
67) Hexachlorobenzene	16.93	284	59139	33.88	ng/ul#	88
68) Atrazine	17.07	200	55381	34.61	ng/ul	97
69) Pentachlorophenol	17.27	266	34299	71.95	ng/ul	98
70) Phenanthrene	17.68	178	309598	41.78	ng/ul	98
72) Anthracene	17.77	178	310105	41.46	ng/ul	98
73) 1,2,3,4-Tetrachlorobenzene	13.70	216	62254	34.75	ng/uL	98
74) Pentachlorobenzene	15.21	250	63169	33.86	ng/uL	99
75) Carbazole	18.03	167	280237	45.72	ng/ul	95
76) Di-n-butylphthalate	18.58	149	335910	44.80	ng/ul	99
77) Fluoranthene	19.66	202	322974	35.86	ng/ul#	79
80) Pvrene	20.03	202	324975	46.98	ng/ul#	77
81) Butylbenzylphthalate	20.90	149	135130	58.14	ng/ul#	97
82) 3,3'-Dichlorobenzidine	21.80	252	100262	46.58	ng/ul#	96
83) Benzo(a)anthracene	21.90	228	279698	41.10	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.80	149	207724	60.59	ng/ul#	94
85) Chrysene	21.97	228	257824	40.07	ng/ul	97
87) Di-n-octyl phthalate	23.08	149	339753	58.14	ng/ul	100
88) Benzo(b)fluoranthene	24.23	252	277061	41.68	ng/ul#	92
89) Benzo(k)fluoranthene	24.31	252	263778	40.19	ng/ul#	92
91) Benzo(a)pyrene	25.16	252	261128	40.83	ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	29.20	276	308594	40.89	ng/ul#	86
93) Dibenzo(a,h)anthracene	29.28	278	253380m	40.77	ng/ul	
94) Benzo(a,h,i)perylene	30.43	276	252510	40.56	ng/ul#	84

S. J
 1/28/16

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012716\
Data File : BG020763.D
Acq On : 27 Jan 2016 13:22
Operator : SJ/IZ
Sample : SSTD04004
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 27 14:08:29 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 27 13:19:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04004

Manual Integrations
APPROVED

mohammad
1/28/2016 2:21:12 PM

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

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