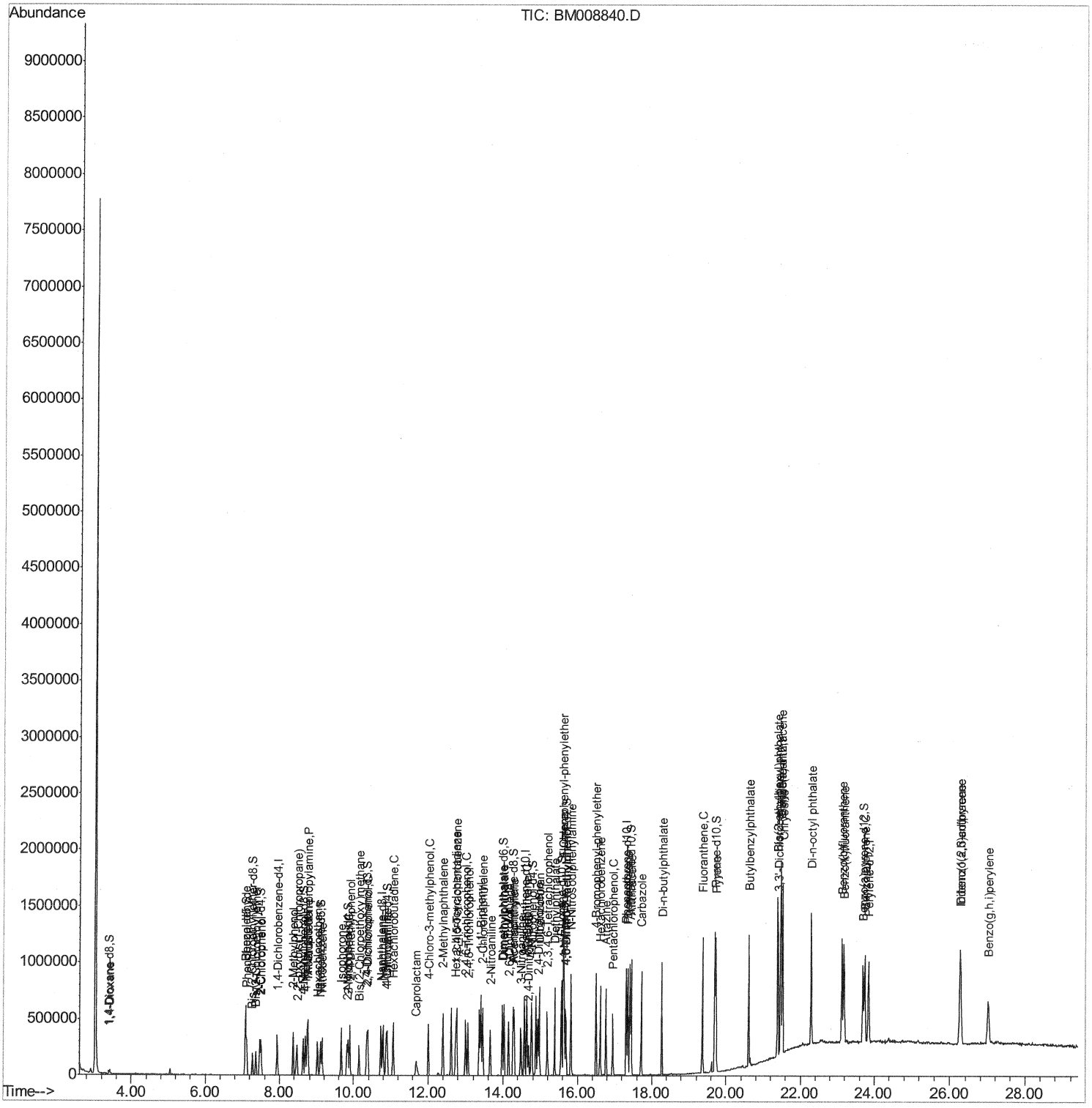
Data Path : Z:\HPCHEM1\BNA_M\Data\BM012317\
Data File : BM008840.D
Acq On : 24 Jan 2017 15:13
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 15:54:17 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 24 04:28:48 2017
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02045

Manual Integrations APPROVED
mohammad
1/24/2017 5:18:16 PM

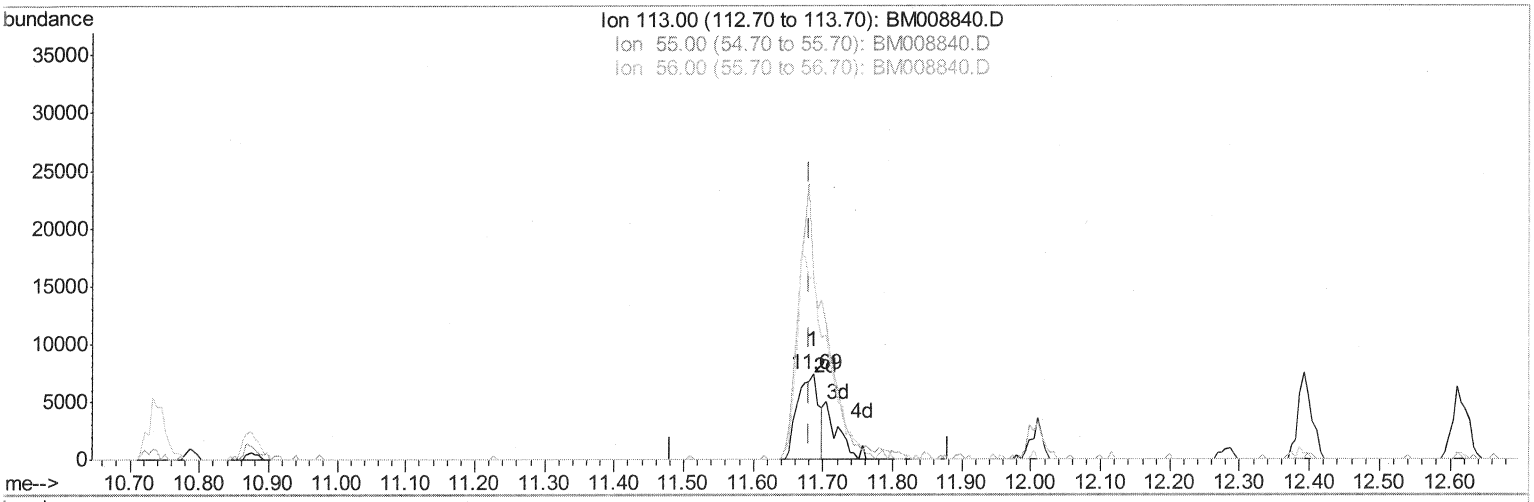


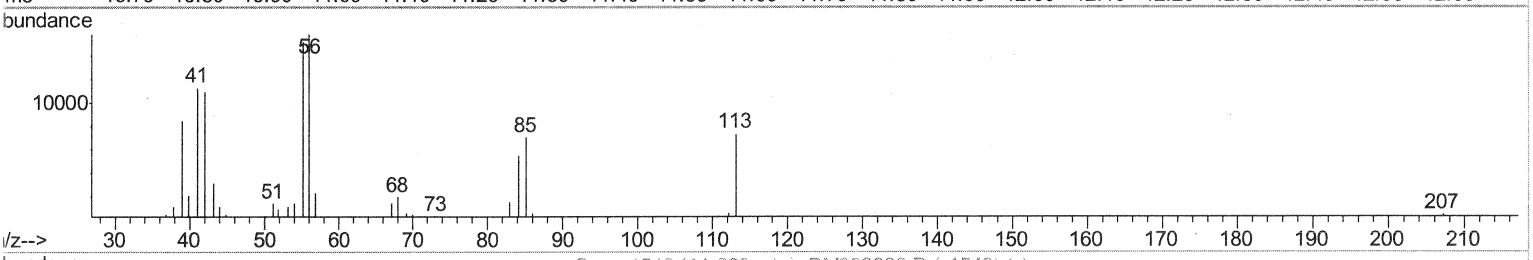
Data Path : Z:\HPCHEM1\BNA_M\Data\BM012317\
Data File : BM008840.D
Acq On : 24 Jan 2017 15:13
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 5 Sample Multiplier: 1

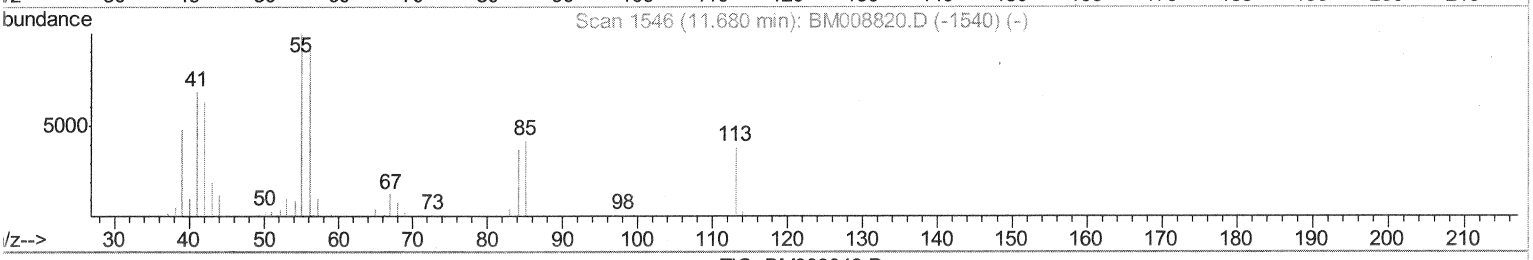
Quant Time: Jan 24 15:51:37 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 24 04:28:48 2017
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02045

Manual Integrations APPROVED
mohammad
1/24/2017 5:18:16 PM







TIC: BM008840.D

(32) Caprolactam

11.686min (+0.006) 14.00ng/ul

response 15846

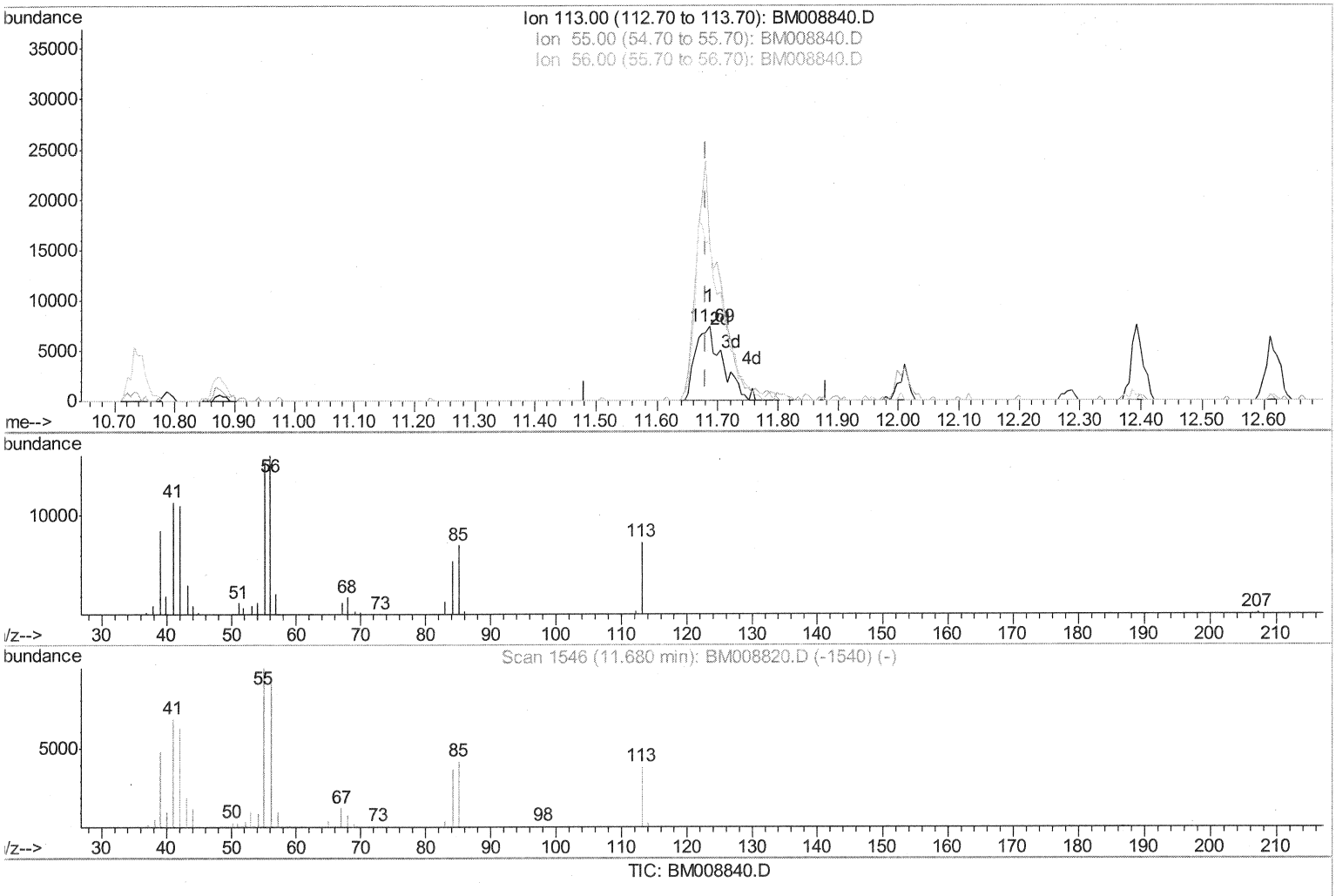
Ion	Exp%	Act%
113.00	100	100
55.00	146.20	205.51#
56.00	122.10	214.80#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012317\
Data File : BM008840.D
Acq On : 24 Jan 2017 15:13
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 15:51:37 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 24 04:28:48 2017
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02045

Manual Integrations APPROVED
mohammad
1/24/2017 5:18:16 PM



TIC: BM008840.D

(32) Caprolactam

11.686min (+0.006) 19.61ng/ul m SJ 1/27/17

response 22199

Ion	Exp%	Act%
113.00	100	100
55.00	146.20	205.51#
56.00	122.10	214.80#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012317\
Data File : BM008840.D
Acq On : 24 Jan 2017 15:13
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 15:54:17 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 24 04:28:48 2017
Response via : Initial Calibration

Instrument : BNA_M
LabSampleId : SSTD02045

Manual Integrations APPROVED
mohammad
1/24/2017 5:18:16 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	52944	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	231460	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	199959	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	481931	20.00	ng/ul	0.00
75) Chrysene-d12	21.49	240	611887	20.00	ng/ul	0.00
83) Perylene-d12	23.85	264	531699	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.39	96	10606	9.90	ng/uL	0.00
5) Phenol-d5	7.09	99	99725	22.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	81539	22.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	68500	23.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	72912	20.76	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	31791	21.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	36792	20.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.35	165	82476	22.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	91231	22.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.98	166	279762	21.35	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	336995	21.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	45489	20.76	ng/ul	0.00
57) Fluorene-d10	15.56	176	275235	22.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	51736	18.03	ng/ul	0.00
70) Anthracene-d10	17.42	188	461837	21.91	ng/ul	0.00
76) Pyrene-d10	19.70	212	548923	20.45	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	485908	21.58	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.42	88	13620	10.49	ng/uL#	39
4) Benzaldehyde	7.08	77	98617	26.73	ng/ul#	70
6) Phenol	7.11	94	106802	21.85	ng/ul#	36
8) Bis(2-Chloroethyl)ether	7.36	93	80209	21.90	ng/ul#	70
10) 2-Chlorophenol	7.49	128	67727	22.44	ng/ul#	58
11) 2-Methylphenol	8.37	108	75572	21.55	ng/ul	85
12) 2,2'-oxybis(1-Chloropropan	8.47	45	158335	23.00	ng/ul#	89
14) Acetophenone	8.76	105	143470	22.29	ng/ul#	58
15) N-Nitroso-di-n-propylamine	8.75	70	95480	22.77	ng/ul#	70
16) 4-Methylphenol	8.69	108	84604	22.39	ng/ul	91
17) Hexachloroethane	9.02	117	42920	23.06	ng/ul	88
20) Nitrobenzene	9.15	77	153365	23.63	ng/ul#	82
21) Isophorone	9.66	82	231819	22.13	ng/ul#	89
23) 2-Nitrophenol	9.85	139	40746	21.94	ng/ul#	2
24) 2,4-Dimethylphenol	9.90	107	117992	22.28	ng/ul#	80
25) Bis(2-Chloroethoxy)methane	10.15	93	115821	22.18	ng/ul#	95
27) 2,4-Dichlorophenol	10.38	162	78741	21.39	ng/ul#	83
28) Naphthalene	10.79	128	236800	22.16	ng/ul	98
30) 4-Chloroaniline	10.90	127	95370	22.81	ng/ul	90
31) Hexachlorobutadiene	11.06	225	78394	22.02	ng/ul	94
32) Caprolactam	11.69	113	22199m	19.61	ng/ul	
33) 4-Chloro-3-methylphenol	12.01	107	106570	22.31	ng/ul	88
34) 2-Methylnaphthalene	12.40	142	187819	21.65	ng/ul	91

SJ 1/27/17

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012317\
Data File : BM008840.D
Acq On : 24 Jan 2017 15:13
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 15:54:17 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 24 04:28:48 2017
Response via : Initial Calibration

Instrument : BNA_M
LabSampleId : SSTD02045

Manual Integrations APPROVED
mohammad
1/24/2017 5:18:16 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.76	216	132363	21.55	ng/ul#	93
37) Hexachlorocyclopentadiene	12.73	237	99710	20.99	ng/ul	93
38) 2,4,6-Trichlorophenol	13.00	196	78422	21.15	ng/ul	95
39) 2,4,5-Trichlorophenol	13.07	196	82374	20.69	ng/ul#	96
40) 1,1'-Biphenyl	13.40	154	266695	21.58	ng/ul#	92
41) 2-Chloronaphthalene	13.45	162	211535	21.76	ng/ul	96
42) 2-Nitroaniline	13.66	65	107852	22.35	ng/ul#	62
44) Dimethylphthalate	14.02	163	286448	21.87	ng/ul#	95
45) 2,6-Dinitrotoluene	14.15	165	53336	21.25	ng/ul#	54
47) Acenaphthylene	14.30	152	322309	21.57	ng/ul	99
48) 3-Nitroaniline	14.48	138	52947	22.31	ng/ul#	65
49) Acenaphthene	14.63	153	235736	22.44	ng/ul	96
50) 2,4-Dinitrophenol	14.68	184	35121	19.49	ng/ul#	53
52) 4-Nitrophenol	14.77	109	99190	21.96	ng/ul#	72
53) Dibenzofuran	14.97	168	359315	22.24	ng/ul#	84
54) 2,4-Dinitrotoluene	14.93	165	81664	21.20	ng/ul#	64
55) 2,3,4,6-Tetrachlorophenol	15.19	232	85957	21.49	ng/ul#	91
56) Diethylphthalate	15.39	149	315627	22.16	ng/ul	95
58) Fluorene	15.62	166	292948	21.70	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.61	204	174202	22.28	ng/ul	91
60) 4-Nitroaniline	15.64	138	59023	22.31	ng/ul#	1
63) 4,6-Dinitro-2-methylphenol	15.69	198	55750	18.78	ng/ul#	69
64) N-Nitrosodiphenylamine	15.83	169	267057	21.91	ng/ul	99
65) 4-Bromophenyl-phenylether	16.50	248	116133	22.20	ng/ul#	87
66) Hexachlorobenzene	16.62	284	120294	21.19	ng/ul#	86
67) Atrazine	16.77	200	116681	20.91	ng/ul	97
68) Pentachlorophenol	16.96	266	69982	18.78	ng/ul	93
69) Phenanthrene	17.36	178	517235	21.79	ng/ul	100
71) Anthracene	17.45	178	530457	21.85	ng/ul	99
72) Carbazole	17.72	167	453780	21.31	ng/ul	96
73) Di-n-butylphthalate	18.27	149	556590	21.73	ng/ul#	95
74) Fluoranthene	19.37	202	658786	21.36	ng/ul#	93
77) Pyrene	19.73	202	683244	20.82	ng/ul#	92
78) Butylbenzylphthalate	20.62	149	253128	20.71	ng/ul#	75
79) 3,3'-Dichlorobenzidine	21.40	252	244448	21.37	ng/ul	96
80) Benzo(a)anthracene	21.47	228	709724	21.57	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.38	149	337737	19.89	ng/ul	99
82) Chrysene	21.52	228	669393	21.88	ng/ul	97
84) Di-n-octyl phthalate	22.29	149	600211	19.45	ng/ul#	79
85) Benzo(b)fluoranthene	23.13	252	646817	20.94	ng/ul#	97
86) Benzo(k)fluoranthene	23.17	252	612063	20.86	ng/ul#	97
88) Benzo(a)pyrene	23.74	252	623081	21.98	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.26	276	637560	22.41	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.27	278	555799	22.57	ng/ul#	95
91) Benzo(g,h,i)perylene	27.01	276	519748	22.47	ng/ul#	94

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