

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021516\
Data File : BM004262.D
Acq On : 15 Feb 2016 16:53
Operator : SJ/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 16 07:53:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION
Quant Update : Tue Feb 16 00:58:01 2016
Response via : Initial Calibration

Instrument :
BNA M
LabSampleId :
SSTD02035

Manual Integrations
APPROVED

UMANGI
2/16/2016 4:14:54 PM

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

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

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021516\
 Data File : BM004262.D
 Acq On : 15 Feb 2016 16:53
 Operator : SJ/UM
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02035

Quant Time: Feb 16 07:53:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 16 00:58:01 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

UMANGI
 2/16/2016 4:14:54 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.33	142	87972	19.50	ng/ul	100
37) 1,2,4,5-Tetrachlorobenzene	12.48	216	47053	19.94	ng/ul	98
38) Hexachlorocyclopentadiene	12.46	237	16363	14.68	ng/ul	100
39) 2,4,6-Trichlorophenol	12.73	196	28850	19.34	ng/ul	99
40) 2,4,5-Trichlorophenol	12.80	196	31104	19.36	ng/ul	99
41) 1,1'-Biphenyl	13.13	154	119640	19.86	ng/ul	99
42) 2-Chloronaphthalene	13.17	162	90122	19.67	ng/ul	99
43) 2-Nitroaniline	13.39	65	21125	18.91	ng/ul	100
45) Dimethylphthalate	13.76	163	111204	18.98	ng/ul	99
46) 2,6-Dinitrotoluene	13.89	165	22080	19.11	ng/ul	99
48) Acenaphthylene	14.02	152	146058	19.63	ng/ul	99
49) 3-Nitroaniline	14.22	138	21669	19.77	ng/ul	97
50) Acenaphthene	14.37	153	98798	19.60	ng/ul	99
51) 2,4-Dinitrophenol	14.44	184	8538	15.30	ng/ul	94
53) 4-Nitrophenol	14.54	109	12733	17.55	ng/ul	96
54) Dibenzofuran	14.70	168	136642	19.61	ng/ul	99
55) 2,4-Dinitrotoluene	14.69	165	32190	19.38	ng/ul	98
56) 2,3,4,6-Tetrachlorophenol	14.94	232	24634	18.95	ng/ul	99
57) Diethylphthalate	15.13	149	110719	18.81	ng/ul	100
59) Fluorene	15.36	166	109556	19.52	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.35	204	54003	19.39	ng/ul	97
61) 4-Nitroaniline	15.39	138	23217m	19.00	ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.46	198	16441	17.81	ng/ul	97
65) N-Nitrosodiphenylamine	15.57	169	91409	19.47	ng/ul	99
66) 4-Bromophenyl-phenylether	16.25	248	31275	19.40	ng/ul	92
67) Hexachlorobenzene	16.37	284	35042	19.34	ng/ul	95
68) Atrazine	16.53	200	31145	19.22	ng/ul	98
69) Pentachlorophenol	16.72	266	14249	16.98	ng/ul	99
70) Phenanthrene	17.10	178	164339	19.53	ng/ul	99
72) Anthracene	17.19	178	166936	19.54	ng/ul	100
73) 1,2,3,4-Tetrachlorobenzene	13.10	216	43487	20.10	ng/uL	99
74) Pentachlorobenzene	14.63	250	42444	19.96	ng/uL	100
75) Carbazole	17.47	167	141505	19.70	ng/ul	100
76) Di-n-butylphthalate	18.03	149	174526	18.76	ng/ul	99
77) Fluoranthene	19.13	202	176637	20.04	ng/ul	99
80) Pyrene	19.49	202	184116	18.43	ng/ul	100
81) Butylbenzylphthalate	20.40	149	74244	18.56	ng/ul	100
82) 3,3'-Dichlorobenzidine	21.19	252	56965	20.44	ng/ul	99
83) Benzo(a)anthracene	21.26	228	174629	19.63	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.18	149	111166	19.00	ng/ul	99
85) Chrysene	21.31	228	166607	19.84	ng/ul	99
87) Di-n-octyl phthalate	22.06	149	194101	18.49	ng/ul	97
88) Benzo(b)fluoranthene	22.83	252	172146	18.91	ng/ul	99
89) Benzo(k)fluoranthene	22.87	252	166863	19.19	ng/ul	100
91) Benzo(a)pyrene	23.40	252	167074	19.30	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.74	276	190649	19.44	ng/ul	98
93) Dibenzo(a,h)anthracene	25.75	278	159246	19.34	ng/ul	99
94) Benzo(g,h,i)perylene	26.43	276	159892	19.30	ng/ul	97

S-J
 02/17/16

Data Path : Z:\HPCHEM1\BNA_M\Data\BM021516\
 Data File : BM004262.D
 Acq On : 15 Feb 2016 16:53
 Operator : SJ/UM
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02035

Quant Time: Feb 16 07:53:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 16 00:58:01 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

UMANGI
 2/16/2016 4:14:54 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	26903	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	118957	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	67395	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	139157	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	138157	20.00	ng/ul	0.00
86) Perylene-d12	23.50	264	137642	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	4169	7.81	ng/uL	0.00
5) Phenol-d5	6.83	99	41746	19.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	22073	18.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	36740	19.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	35973	19.54	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	17615	19.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	19651	19.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	36169	19.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	47152	21.48	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	106616	19.01	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	134359	19.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	15845	17.46	ng/ul	0.00
58) Fluorene-d10	15.30	176	91591	19.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.44	200	14813	17.48	ng/ul	0.00
71) Anthracene-d10	17.16	188	132129	19.42	ng/ul	0.00
79) Pyrene-d10	19.46	212	135814	18.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.36	264	140827	19.17	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.14	88	4788	7.66 ng/uL#	91
4) Benzaldehyde	6.79	77	26832	21.54 ng/ul	98
6) Phenol	6.85	94	44129	19.17 ng/ul	98
8) Bis(2-Chloroethyl)ether	7.07	93	33665	19.17 ng/ul	97
10) 2-Chlorophenol	7.21	128	38392	19.27 ng/ul	97
11) 2-Methylphenol	8.10	108	34750	19.16 ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.18	45	32052	18.71 ng/ul	99
14) Acetophenone	8.47	105	58468	19.93 ng/ul	98
15) N-Nitroso-di-n-propylamine	8.45	70	27204	19.23 ng/ul	97
16) 4-Methylphenol	8.42	108	38930	19.64 ng/ul	98
17) Hexachloroethane	8.71	117	14977	18.88 ng/ul	96
20) Nitrobenzene	8.85	77	39851	19.14 ng/ul	96
21) Isophorone	9.36	82	75441	18.92 ng/ul	97
23) 2-Nitrophenol	9.55	139	22488	19.57 ng/ul	97
24) 2,4-Dimethylphenol	9.62	107	44502	19.30 ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.85	93	47235	19.22 ng/ul	99
27) 2,4-Dichlorophenol	10.09	162	37820	19.72 ng/ul	99
28) Naphthalene	10.48	128	129404	19.56 ng/ul	99
30) 4-Chloroaniline	10.60	127	49632	21.31 ng/ul	99
31) Hexachlorobutadiene	10.76	225	25304	19.59 ng/ul	100
32) Caprolactam	11.35	113	9981	18.01 ng/ul	92
33) 4-Chloro-3-methylphenol	11.74	107	40260	18.93 ng/ul	98
34) 2-Methylnaphthalene	12.10	142	93685	19.63 ng/ul	98

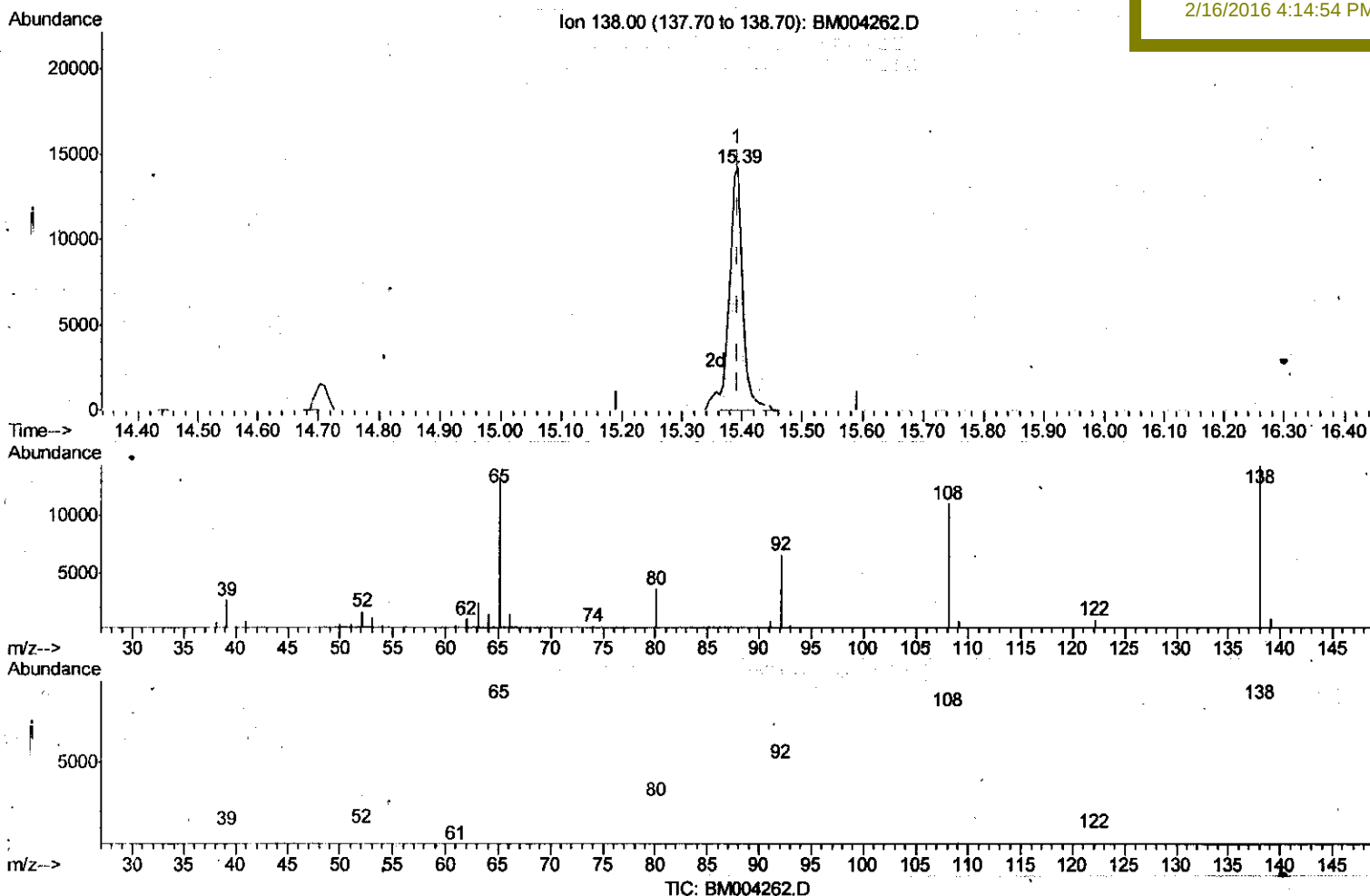
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021516\
Data File : BM004262.D
Acq On : 15 Feb 2016 16:53
Operator : SJ/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 16 01:23:26 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 16 00:58:01 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02035

Manual Integrations
APPROVED

UMANGI
2/16/2016 4:14:54 PM



(61) 4-Nitroaniline

15.392min (-0.000) 19.00ng/ul m

response 23217

Ion	Exp%	Act%
138.00	100	100
92.00	50.70	46.01
108.00	83.80	77.09
0.00	0.00	0.00

Quantitation Report (Qedit)

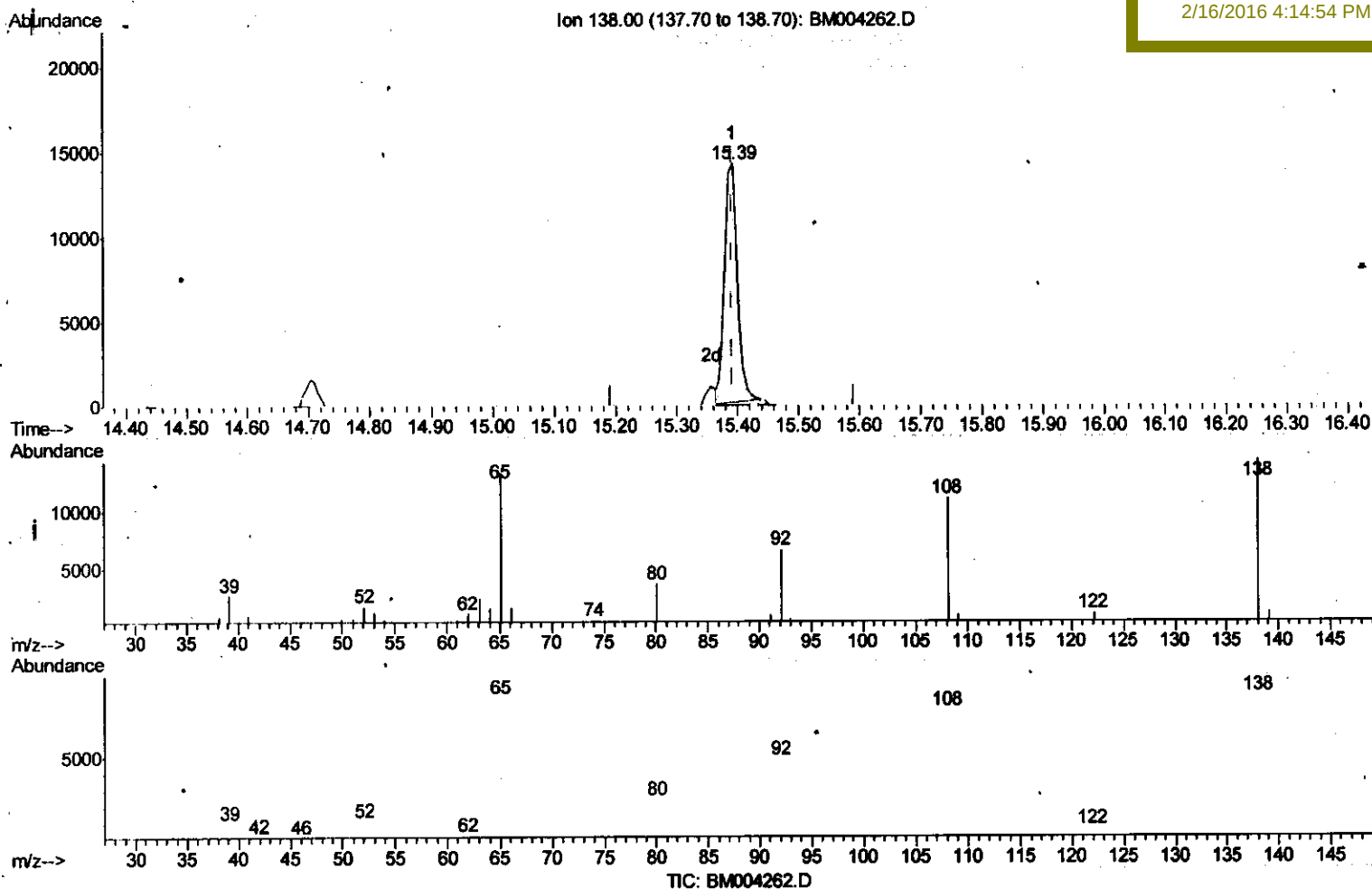
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021516\
 Data File : BM004262.D
 Acq On : 15 Feb 2016 16:53
 Operator : SJ/UM
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 16 01:02:43 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 16 00:58:01 2016
 Response via : Initial Calibration

Instrument :
 BNA M
 LabSampleId :
 SSTD02035

Manual Integrations
 APPROVED

UMANGI
 2/16/2016 4:14:54 PM



(61) 4-Nitroaniline

15.392min (-0.000) 17.13ng/ul

response 20934

Ion	Exp%	Act%
138.00	100	100
92.00	50.70	46.01
108.00	83.80	77.09
0.00	0.00	0.00

```
Data Path : Z:\HPCHEM1\BNA_M\Data\BM021516\  
Data File : BM004262.D  
Acq On.   : 15 Feb 2016 16:53  
Operator  : SJ/UM  
Sample    : SSTDCCC020  
Misc      :  
ALS Vial  : 2      Sample Multiplier: 1
```

Quant Time: Feb 16 07:53:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION
QIast Update : Tue Feb 16 00:58:01 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02035

Manual Integrations

UMANGI
2/16/2016 4:14:54 PM

