

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF078010.D
 Acq On : 26 Mar 2015 22:19
 Operator : TP/IZ
 Sample : PB82242BSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB82242BSD

Quant Time: Mar 27 06:01:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 00:54:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	40608	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	175319	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	86594	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	173301	20.00	ng	-0.01
75) Chrysene-d12	15.95	240	191257	20.00	ng	-0.06
86) Perylene-d12	17.67	264	179094	20.00	ng	-0.23

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	267066	114.80	ng	0.00
7) Phenol-d6	6.67	99	323541	112.56	ng	-0.01
23) Nitrobenzene-d5	7.79	82	196554	73.49	ng	0.00
41) 2,4,6-Tribromophenol	11.81	330	84400	101.87	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	431714	73.27	ng	0.00
78) Terphenyl-d14	14.67	244	525373	67.10	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.96	88	31410	29.74	ng	# 100
3) Pyridine	2.64	79	86472	30.47	ng	99
4) n-Nitrosodimethylamine	2.57	42	34526	27.94	ng	99
6) Aniline	6.68	93	76573	18.62	ng	# 52
8) 2-Chlorophenol	6.83	128	100822	36.41	ng	89
9) Benzaldehyde	6.54	77	4836	4.11	ng	88
10) Phenol	6.69	94	118560	34.89	ng	# 71
11) bis(2-Chloroethyl)ether	6.78	93	92488	36.34	ng	91
12) 1,3-Dichlorobenzene	7.01	146	104745	34.01	ng	98
13) 1,4-Dichlorobenzene	7.12	146	106402	33.25	ng	99
14) 1,2-Dichlorobenzene	7.30	146	102692	35.00	ng	99
15) Benzyl Alcohol	7.29	79	79741	35.54	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.46	45	118497	34.55	ng	98
17) 2-Methylphenol	7.44	107	81916	36.34	ng	97
18) Hexachloroethane	7.71	117	36139	34.43	ng	98
19) n-Nitroso-di-n-propylamine	7.62	70	70079	35.24	ng	94
20) 3+4-Methylphenols	7.63	107	108235	36.59	ng	94
22) Acetophenone	7.61	105	139905	36.05	ng	# 93
24) Nitrobenzene	7.81	77	100914	35.02	ng	# 89
25) Isophorone	8.11	82	179585	33.25	ng	94
26) 2-Nitrophenol	8.20	139	46026	32.63	ng	# 77
27) 2,4-Dimethylphenol	8.28	122	95165	37.03	ng	98
28) bis(2-Chloroethoxy)methane	8.40	93	118238	36.06	ng	99
29) 2,4-Dichlorophenol	8.51	162	88190	36.00	ng	99
30) 1,2,4-Trichlorobenzene	8.60	180	87866	32.06	ng	96
31) Naphthalene	8.69	128	292445	32.48	ng	100
32) Benzoic acid	8.40	122	32428	24.26	ng	98
33) 4-Chloroaniline	8.77	127	67280	18.41	ng	# 90
34) Hexachlorobutadiene	8.85	225	50894	32.76	ng	98
35) Caprolactam	9.20	113	26129	36.50	ng	96
36) 4-Chloro-3-methylphenol	9.39	107	86012	34.90	ng	# 84
37) 2-Methylnaphthalene	9.55	142	197105	32.58	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.76	216	84624	32.76	ng	# 100
40) Hexachlorocyclopentadiene	9.74	237	80264	62.79	ng	97

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF078010.D
 Acq On : 26 Mar 2015 22:19
 Operator : TP/IZ
 Sample : PB82242BSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB82242BSD

Quant Time: Mar 27 06:01:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 00:54:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.92	196	60085	33.58	ng	98
43) 2,4,5-Trichlorophenol	9.96	196	65264	33.77	ng	# 93
45) 1,1'-Biphenyl	10.13	154	241548	34.89	ng	95
46) 2-Chloronaphthalene	10.16	162	199737	35.51	ng	96
47) 2-Nitroaniline	10.29	65	54062	38.70	ng	97
48) Acenaphthylene	10.66	152	301951	32.28	ng	100
49) Dimethylphthalate	10.53	163	234577	36.52	ng	99
50) 2,6-Dinitrotoluene	10.60	165	50791	38.15	ng	90
51) Acenaphthene	10.88	154	175192	32.66	ng	99
52) 3-Nitroaniline	10.80	138	40779	26.37	ng	# 70
53) 2,4-Dinitrophenol	10.95	184	26846	57.42	ng	# 64
54) Dibenzofuran	11.09	168	274218	34.47	ng	95
55) 4-Nitrophenol	11.04	139	75844	66.22	ng	97
56) 2,4-Dinitrotoluene	11.09	165	65299	37.61	ng	96
57) Fluorene	11.52	166	228697	34.62	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.25	232	53506	35.95	ng	# 100
59) Diethylphthalate	11.40	149	215653	34.46	ng	97
60) 4-Chlorophenyl-phenylether	11.53	204	102646	34.05	ng	91
61) 4-Nitroaniline	11.55	138	52971	34.38	ng	76
62) Azobenzene	11.72	77	205921	34.43	ng	94
64) 4,6-Dinitro-2-methylphenol	11.60	198	25383	32.54	ng	79
65) n-Nitrosodiphenylamine	11.68	169	192899	33.43	ng	99
66) 4-Bromophenyl-phenylether	12.13	248	63910	34.56	ng	94
67) Hexachlorobenzene	12.19	284	67550	33.24	ng	98
68) Atrazine	12.35	200	61357	37.94	ng	93
69) Pentachlorophenol	12.44	266	58774	56.18	ng	96
70) Phenanthrene	12.71	178	351444	35.33	ng	100
71) Anthracene	12.76	178	342046	34.80	ng	99
72) Carbazole	12.98	167	342642	36.65	ng	99
73) Di-n-butylphthalate	13.44	149	371892	35.47	ng	99
74) Fluoranthene	14.18	202	381491	34.77	ng	99
76) Benzidine	14.36	184	121948	25.60	ng	99
77) Pyrene	14.45	202	412656	34.31	ng	100
79) Butylbenzylphthalate	15.29	149	158142	33.35	ng	# 85
80) Benzo(a)anthracene	15.94	228	375735	33.14	ng	99
81) 3,3'-Dichlorobenzidine	15.93	252	87868	23.50	ng	98
82) Chrysene	15.99	228	369416	36.24	ng	99
83) Bis(2-ethylhexyl)phthalate	16.01	149	236837	32.97	ng	# 94
84) Di-n-octyl phthalate	16.80	149	399167	32.50	ng	100
85) Indeno(1,2,3-cd)pyrene	19.01	276	391447m	30.77	ng	
87) Benzo(b)fluoranthene	17.23	252	369646	31.62	ng	# 96
88) Benzo(k)fluoranthene	17.27	252	368694m	40.37	ng	
89) Benzo(a)pyrene	17.61	252	360162	36.92	ng	100
90) Dibenzo(a,h)anthracene	19.05	278	329119	34.01	ng	99
91) Benzo(g,h,i)perylene	19.41	276	332720	33.78	ng	96

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

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\  
Data File : BF078010.D  
Acq On    : 26 Mar 2015   22:19  
Operator  : TP/IZ  
Sample    : PB82242BSD  
Misc      :  
ALS Vial  : 20      Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
PB82242BSD

Quant Time: Mar 27 06:01:47 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 27 00:54:57 2015
Response via : Initial Calibration

