

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142076.D
 Acq On : 25 Mar 2025 14:07
 Operator : RC/JU
 Sample : PB167230BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167230BSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/26/2025
 Supervised By :Jagrut Upadhyay 03/26/2025

Quant Time: Mar 25 14:27:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	136991	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	554295	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	310206	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	551314	20.000	ng	0.00
76) Chrysene-d12	14.033	240	312772	20.000	ng	0.00
86) Perylene-d12	15.504	264	282745	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1210036	147.419	ng	0.01
7) Phenol-d6	6.504	99	1497824	143.321	ng	0.00
23) Nitrobenzene-d5	7.439	82	1003110	101.843	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	695015	176.607	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2097074	102.811	ng	0.00
79) Terphenyl-d14	12.980	244	2699500	127.604	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	152248	44.268	ng	97
3) Pyridine	3.498	79	356690	42.281	ng	97
4) n-Nitrosodimethylamine	3.440	42	179267	44.578	ng	96
6) Aniline	6.534	93	382863	37.136	ng	# 90
8) 2-Chlorophenol	6.657	128	457415	50.246	ng	98
9) Benzaldehyde	6.422	77	116622	19.953	ng	99
10) Phenol	6.516	94	524508	47.706	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	390292	47.276	ng	97
12) 1,3-Dichlorobenzene	6.816	146	479185	48.756	ng	98
13) 1,4-Dichlorobenzene	6.892	146	487746	49.049	ng	98
14) 1,2-Dichlorobenzene	7.045	146	468471	50.017	ng	98
15) Benzyl Alcohol	7.016	79	389694	46.124	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	433731	43.517	ng	94
17) 2-Methylphenol	7.122	107	362963	50.145	ng	99
18) Hexachloroethane	7.386	117	183413	49.187	ng	95
19) n-Nitroso-di-n-propyla...	7.286	70	291843	43.460	ng	99
20) 3+4-Methylphenols	7.275	107	451305	48.678	ng	# 87
22) Acetophenone	7.281	105	666925	50.243	ng	96
24) Nitrobenzene	7.457	77	462889	47.274	ng	97
25) Isophorone	7.692	82	837954	48.129	ng	100
26) 2-Nitrophenol	7.769	139	253993	52.852	ng	99
27) 2,4-Dimethylphenol	7.804	122	398426	60.209	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	507609	46.484	ng	99
29) 2,4-Dichlorophenol	8.010	162	406647	49.509	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	443112	48.953	ng	98
31) Naphthalene	8.175	128	1363723	47.895	ng	100
32) Benzoic acid	7.928	122	322042	55.364	ng	97
33) 4-Chloroaniline	8.222	127	180411	17.949	ng	98
34) Hexachlorobutadiene	8.292	225	299744	50.778	ng	99
35) Caprolactam	8.598	113	142004m	56.707	ng	
36) 4-Chloro-3-methylphenol	8.710	107	440622	48.090	ng	98
37) 2-Methylnaphthalene	8.869	142	850470	44.687	ng	100
38) 1-Methylnaphthalene	8.969	142	827502	45.057	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	509171	53.912	ng	98
41) Hexachlorocyclopentadiene	9.022	237	593019	160.440	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	312531	50.634	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	320095	51.204	ng	98
46) 1,1'-Biphenyl	9.333	154	1254785	53.237	ng	99
47) 2-Chloronaphthalene	9.357	162	856811	48.772	ng	99
48) 2-Nitroaniline	9.451	65	257316	50.587	ng	99
49) Acenaphthylene	9.775	152	1344860	51.587	ng	100
50) Dimethylphthalate	9.633	163	1063620	48.963	ng	100
51) 2,6-Dinitrotoluene	9.692	165	237758	52.567	ng	96
52) Acenaphthene	9.945	154	1008777	55.062	ng	100
53) 3-Nitroaniline	9.863	138	136998	29.861	ng	98
54) 2,4-Dinitrophenol	9.975	184	274653	104.668	ng	# 46
55) Dibenzofuran	10.116	168	1247894	47.669	ng	99
56) 4-Nitrophenol	10.027	139	366548	105.943	ng	96
57) 2,4-Dinitrotoluene	10.098	165	331326	56.087	ng	99
58) Fluorene	10.463	166	996612	49.367	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	297028	52.215	ng	98
60) Diethylphthalate	10.333	149	1053750	48.648	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	518686	49.281	ng	98
62) 4-Nitroaniline	10.480	138	218304	48.875	ng	99
63) Azobenzene	10.610	77	917760	45.573	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	189687	57.715	ng	94
66) n-Nitrosodiphenylamine	10.569	169	876873	49.150	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	348971	50.401	ng	98
68) Hexachlorobenzene	11.010	284	401680	52.895	ng	95
69) Atrazine	11.098	200	369149	67.495	ng	99
70) Pentachlorophenol	11.204	266	473454	101.191	ng	100
71) Phenanthrene	11.422	178	1511285	50.751	ng	100
72) Anthracene	11.474	178	1542089	51.617	ng	99
73) Carbazole	11.627	167	1288722	50.019	ng	100
74) Di-n-butylphthalate	11.957	149	1647015	48.177	ng	100
75) Fluoranthene	12.610	202	1555609	49.247	ng	99
77) Benzidine	12.727	184	255075	58.453	ng	100
78) Pyrene	12.839	202	1537555	56.830	ng	99
80) Butylbenzylphthalate	13.451	149	582881	55.043	ng	99
81) Benzo(a)anthracene	14.027	228	1083745	52.803	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	195753	33.004	ng	99
83) Chrysene	14.063	228	955583	51.363	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	773146	52.953	ng	100
85) Di-n-octyl phthalate	14.621	149	1070955	52.717	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	847297	46.325	ng	98
88) Benzo(b)fluoranthene	15.074	252	935996	48.302	ng	100
89) Benzo(k)fluoranthene	15.104	252	799945	48.238	ng	99
90) Benzo(a)pyrene	15.445	252	803800	53.012	ng	99
91) Dibenzo(a,h)anthracene	17.009	278	687566	45.561	ng	99
92) Benzo(g,h,i)perylene	17.445	276	635638	42.623	ng	98

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

