

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF052025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue May 20 16:26:47 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF142474.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79	
3)	Pyridine	1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52	
4)	n-Nitrosodimet...	0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21	
5) S	2-Fluorophenol	1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03	
6)	Aniline	2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35	
7) S	Phenol-d6	1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77	
8)	2-Chlorophenol	1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44	
9)	Benzaldehyde	1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81	
10) C	Phenol	1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85	
11)	bis(2-Chloroet...	1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52	
12)	1,3-Dichlorobe...	1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48	
13) C	1,4-Dichlorobe...	1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70	
14)	1,2-Dichlorobe...	1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20	
15)	Benzyl Alcohol	1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69	
16)	2,2'-oxybis(1-...	2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11	
17)	2-Methylphenol	1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27	
18)	Hexachloroethane	0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23	
19) P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)	3+4-Methylphenols	1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98	
23) S	Nitrobenzene-d5	0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51	
24)	Nitrobenzene	0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94	
25)	Isophorone	0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26	
26) C	2-Nitrophenol	0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44	
27)	2,4-Dimethylph...	0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22	
28)	bis(2-Chloroet...	0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63	
29) C	2,4-Dichloroph...	0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74	
30)	1,2,4-Trichlor...	0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89	
31)	Naphthalene	1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94	
32)	Benzoic acid		0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73	
33)	4-Chloroaniline	0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87	
34) C	Hexachlorobuta...	0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52	
35)	Caprolactam	0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29	
36) C	4-Chloro-3-met...	0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02	
37)	2-Methylnaphth...	0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62	
38)	1-Methylnaphth...	0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39	
41) P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57	
42) S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39	
43) C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69	
44)	2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27	
45) S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46	
46)	1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82	
47)	2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84	
48)	2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72	
49)	Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85	
50)	Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16	
51)	2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74	
52) C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72	
53)	3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02	
54) P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36	
55)	Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38	
56) P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57	
57)	2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62	
58)	Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85	
59)	2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71	
60)	Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51	
61)	4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25	
62)	4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95	
63)	Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72	
66) c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30	
67)	4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45	
68)	Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19	
69)	Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29	
70) C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88	
71)	Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00	
72)	Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15	
73)	Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39	
74)	Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95	
75) C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12	
78)	Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79	
79) S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80	
80)	Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54	
81)	Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36	
82)	3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30	
83)	Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20	
84)	Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91	
85) c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64	
88)	Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62	
89)	Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68	
90) C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00	
91)	Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67	
92)	Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64	

(#) = Out of Range