

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF060925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jun 09 18:21:22 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142689.D 5 =BF142690.D 10 =BF142691.D 20 =BF142692.D 40 =BF142693.D 50 =BF142694.D 60 =BF142695.D 80 =BF142696.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.441	0.445	0.453	0.448	0.477	0.430	0.463	0.451	3.35	
3)	Pyridine	1.116	1.110	1.219	1.154	1.217	1.130	1.197	1.163	4.06	
4)	n-Nitrosodimet...	0.532	0.580	0.555	0.584	0.556	0.590	0.566	0.566	3.91	
5) S	2-Fluorophenol	1.193	1.215	1.304	1.144	1.233	1.057	1.098	1.178	7.17	
6)	Aniline	1.891	1.823	1.815	1.853	1.983	1.841	1.776	1.855	3.59	
7) S	Phenol-d6	1.416	1.375	1.356	1.383	1.460	1.368	1.311	1.381	3.38	
8)	2-Chlorophenol	1.343	1.288	1.267	1.251	1.343	1.283	1.220	1.285	3.54	
9)	Benzaldehyde	0.908	0.898	0.820	0.825	0.703	0.518	0.779	0.779	18.93	
10) C	Phenol	1.577	1.546	1.524	1.560	1.651	1.520	1.450	1.547	3.95	
11)	bis(2-Chloroet...	1.193	1.125	1.087	1.114	1.178	1.120	1.071	1.127	3.96	
12)	1,3-Dichlorobe...	1.514	1.450	1.454	1.413	1.483	1.419	1.342	1.439	3.84	
13) C	1,4-Dichlorobe...	1.568	1.478	1.510	1.451	1.526	1.430	1.337	1.472	5.13	
14)	1,2-Dichlorobe...	1.459	1.306	1.507	1.399	1.481	1.393	1.277	1.403	6.19	
15)	Benzyl Alcohol	0.879	1.051	1.011	1.095	1.047	0.980	1.010	1.010	7.44	
16)	2,2'-oxybis(1-...	1.822	1.795	2.016	1.858	1.936	1.804	1.613	1.835	6.87	
17)	2-Methylphenol	0.920	0.919	1.064	0.996	1.065	1.005	0.929	0.985	6.54	
18)	Hexachloroethane	0.515	0.523	0.524	0.490	0.527	0.483	0.477	0.506	4.27	
19) P	n-Nitroso-di-n...	0.737	0.777	0.842	0.923	0.825	0.838	0.767	0.770	0.810	7.33
20)	3+4-Methylphenols	1.227	1.362	1.225	1.233	1.127	1.108	1.214	1.214	7.51	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.426	0.461	0.471	0.433	0.437	0.434	0.399	0.437	5.37	
23) S	Nitrobenzene-d5	0.349	0.364	0.367	0.353	0.388	0.381	0.346	0.364	4.43	
24)	Nitrobenzene	0.309	0.324	0.332	0.321	0.355	0.343	0.313	0.328	5.03	
25)	Isophorone	0.621	0.611	0.552	0.559	0.584	0.632	0.573	0.590	5.29	
26) C	2-Nitrophenol	0.164	0.184	0.171	0.183	0.184	0.203	0.178	0.181	6.80	
27)	2,4-Dimethylph...	0.303	0.317	0.295	0.299	0.308	0.337	0.294	0.308	4.93	
28)	bis(2-Chloroet...	0.347	0.400	0.345	0.374	0.373	0.405	0.348	0.370	6.75	
29) C	2,4-Dichloroph...	0.282	0.272	0.281	0.291	0.295	0.284	0.268	0.282	3.45	
30)	1,2,4-Trichlor...	0.316	0.315	0.313	0.296	0.320	0.305	0.288	0.307	3.87	
31)	Naphthalene	1.064	1.003	1.008	0.971	1.005	0.953	0.894	0.986	5.40	
32)	Benzoic acid	0.162	0.167	0.186	0.196	0.213	0.196	0.187	0.187	10.33	
33)	4-Chloroaniline	0.417	0.410	0.413	0.404	0.421	0.397	0.374	0.405	3.96	
34) C	Hexachlorobuta...	0.195	0.195	0.196	0.183	0.195	0.187	0.173	0.189	4.52	
35)	Caprolactam	0.079	0.087	0.084	0.094	0.091	0.085	0.087	0.087	6.07	
36) C	4-Chloro-3-met...	0.314	0.295	0.293	0.264	0.291	0.302	0.276	0.291	5.74	
37)	2-Methylnaphth...	0.643	0.663	0.661	0.562	0.637	0.625	0.550	0.620	7.37	
38)	1-Methylnaphth...	0.705	0.657	0.648	0.592	0.662	0.664	0.567	0.642	7.33	

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.627	0.593	0.567	0.542	0.578	0.624	0.516	0.578	7.08
41) P	Hexachlorocycl...	0.272	0.299	0.330	0.372	0.410	0.354	0.339		14.74
42) S	2,4,6-Tribromo...	0.222	0.222	0.201	0.218	0.249	0.239	0.223	0.225	6.82
43) C	2,4,6-Trichlor...	0.361	0.398	0.370	0.368	0.391	0.399	0.368	0.379	4.26
44)	2,4,5-Trichlor...	0.400	0.419	0.411	0.387	0.417	0.427	0.375	0.405	4.67
45) S	2-Fluorobiphenyl	1.689	1.612	1.526	1.372	1.423	1.394	1.220	1.462	10.85
46)	1,1'-Biphenyl	1.692	1.651	1.559	1.509	1.530	1.578	1.368	1.555	6.74
47)	2-Chloronaphth...	1.272	1.223	1.150	1.132	1.150	1.193	1.037	1.165	6.40
48)	2-Nitroaniline	0.346	0.332	0.345	0.349	0.355	0.373	0.326	0.347	4.43
49)	Acenaphthylene	2.008	2.000	2.035	1.894	1.980	1.875	1.727	1.931	5.60
50)	Dimethylphthalate	1.458	1.375	1.317	1.293	1.355	1.389	1.232	1.346	5.44
51)	2,6-Dinitrotol...	0.298	0.264	0.290	0.278	0.305	0.324	0.279	0.291	6.86
52) C	Acenaphthene	1.269	1.219	1.117	1.172	1.238	1.157	1.098	1.181	5.37
53)	3-Nitroaniline	0.324	0.314	0.334	0.323	0.350	0.333	0.311	0.327	4.09
54) P	2,4-Dinitrophenol	0.116	0.131	0.162	0.193	0.182	0.182	0.161		19.29
55)	Dibenzofuran	1.892	1.790	1.556	1.643	1.804	1.664	1.515	1.695	8.17
56) P	4-Nitrophenol	0.192	0.190	0.226	0.262	0.242	0.237	0.225		12.77
57)	2,4-Dinitrotol...	0.391	0.389	0.353	0.388	0.433	0.398	0.379	0.390	6.11
58)	Fluorene	1.415	1.486	1.218	1.293	1.475	1.356	1.240	1.355	8.03
59)	2,3,4,6-Tetrac...	0.328	0.338	0.297	0.350	0.376	0.364	0.332	0.341	7.59
60)	Diethylphthalate	1.452	1.334	1.142	1.239	1.440	1.320	1.217	1.306	8.82
61)	4-Chlorophenyl...	0.643	0.688	0.580	0.615	0.713	0.650	0.594	0.640	7.56
62)	4-Nitroaniline	0.284	0.293	0.266	0.311	0.363	0.332	0.324	0.310	10.52
63)	Azobenzene	1.187	1.215	1.044	1.094	1.333	1.203	1.116	1.170	8.14
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.109	0.105	0.144	0.144	0.132	0.131	0.128		13.25
66) c	n-Nitrosodiphe...	0.618	0.680	0.595	0.676	0.713	0.635	0.603	0.646	6.93
67)	4-Bromophenyl-...	0.210	0.215	0.213	0.230	0.238	0.223	0.219	0.221	4.49
68)	Hexachlorobenzene	0.243	0.250	0.248	0.265	0.278	0.249	0.244	0.254	5.02
69)	Atrazine	0.179	0.193	0.190	0.207	0.217	0.189	0.196	0.196	6.37
70) C	Pentachlorophenol	0.112	0.133	0.159	0.153	0.137	0.144	0.140		11.94
71)	Phenanthrene	1.173	1.115	1.118	1.032	1.085	1.017	0.944	1.069	7.18
72)	Anthracene	1.213	1.157	1.145	1.077	1.147	1.038	0.991	1.110	6.96
73)	Carbazole	1.069	1.039	0.978	1.004	1.076	0.913	0.915	0.999	6.73
74)	Di-n-butylphth...	1.147	1.012	1.130	1.141	1.130	0.907	0.958	1.061	9.43
75) C	Fluoranthene	1.261	1.136	1.045	1.180	1.025	0.964	0.887	1.071	12.08
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.659	0.713	0.727	0.734	0.768	0.541	0.690		11.80
78)	Pyrene	1.743	1.587	1.588	1.466	1.723	1.793	1.508	1.630	7.66
79) S	Terphenyl-d14	1.427	1.275	1.289	1.098	1.302	1.364	1.098	1.265	9.90
80)	Butylbenzylpht...	0.448	0.409	0.513	0.482	0.566	0.589	0.506	0.502	12.52
81)	Benzo(a)anthra...	1.322	1.253	1.356	1.287	1.345	1.317	1.205	1.298	4.13
82)	3,3'-Dichlorob...	0.373	0.407	0.425	0.465	0.432	0.387	0.415		7.97
83)	Chrysene	1.327	1.226	1.196	1.200	1.265	1.229	1.162	1.229	4.36
84)	Bis(2-ethylhex...	0.441	0.471	0.535	0.599	0.657	0.662	0.645	0.573	15.97
85) c	Di-n-octyl pht...	0.847	0.952	1.094	1.160	1.405	1.229	1.114		17.86

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.273	1.361	1.426	1.416	1.545	1.542	1.340	1.415	7.17	
88)	Benzo(b)fluora...	1.196	1.122	1.277	1.136	1.323	1.196	1.115	1.195	6.68	
89)	Benzo(k)fluora...	1.396	1.063	1.092	1.185	1.086	0.992	1.057	1.124	11.82	
90) C	Benzo(a)pyrene	1.193	1.101	1.120	1.103	1.162	1.106	1.053	1.120	4.06	
91)	Dibenzo(a,h)an...	0.995	1.098	1.163	1.129	1.252	1.259	1.076	1.139	8.37	
92)	Benzo(g,h,i)pe...	1.068	1.099	1.149	1.145	1.414	1.299	1.080	1.179	10.95	

(#) = Out of Range