

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 11 05:56:09 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142712.D 5.0 =BF142713.D 10 =BF142714.D 20 =BF142715.D 40 =BF142716.D 50 =BF142717.D 60 =BF142718.D 80 =BF142719.D

	Compound	2.5	5.0	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.499	0.448	0.472	0.455	0.481	0.460	0.439	0.465	4.40
3)	Pyridine		1.172	1.129	1.159	1.160	1.222	1.193	1.122	1.165	3.00
4)	n-Nitrosodimet...			0.558	0.590	0.591	0.633	0.617	0.588	0.596	4.36
5) S	2-Fluorophenol		1.238	1.170	1.199	1.161	1.220	1.156	1.075	1.174	4.55
6)	Aniline		1.866	1.788	1.894	1.848	1.955	1.861	1.736	1.850	3.83
7) S	Phenol-d6		1.434	1.339	1.400	1.376	1.446	1.377	1.302	1.382	3.67
8)	2-Chlorophenol		1.288	1.254	1.300	1.290	1.347	1.286	1.219	1.283	3.09
9)	Benzaldehyde			0.943	0.950	0.839	0.839	0.708		0.856	11.52
10) C	Phenol		1.550	1.503	1.577	1.522	1.607	1.547	1.446	1.536	3.42
11)	bis(2-Chloroet...		1.222	1.118	1.149	1.130	1.202	1.131	1.079	1.147	4.29
12)	1,3-Dichlorobe...		1.557	1.483	1.504	1.451	1.513	1.411	1.333	1.465	5.08
13) C	1,4-Dichlorobe...		1.596	1.483	1.519	1.454	1.528	1.431	1.349	1.480	5.34
14)	1,2-Dichlorobe...		1.554	1.418	1.444	1.401	1.457	1.375	1.282	1.419	5.83
15)	Benzyl Alcohol			0.970	1.049	1.059	1.121	1.061	1.007	1.045	4.95
16)	2,2'-oxybis(1-...		1.957	1.812	1.840	1.806	1.875	1.746	1.609	1.806	6.03
17)	2-Methylphenol		0.978	0.950	0.995	0.992	1.043	0.995	0.933	0.984	3.61
18)	Hexachloroethane		0.562	0.521	0.545	0.524	0.552	0.522	0.488	0.530	4.69
19) P	n-Nitroso-di-n...	0.885	0.912	0.870	0.886	0.878	0.921	0.863	0.823	0.880	3.43
20)	3+4-Methylphenols			1.261	1.285	1.246	1.299	1.218	1.134	1.240	4.80
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.475	0.451	0.458	0.435	0.454	0.433	0.408	0.445	4.79
23) S	Nitrobenzene-d5		0.381	0.363	0.369	0.358	0.378	0.363	0.346	0.365	3.24
24)	Nitrobenzene		0.338	0.313	0.326	0.320	0.335	0.327	0.312	0.324	3.10
25)	Isophorone		0.657	0.621	0.628	0.603	0.630	0.606	0.585	0.619	3.77
26) C	2-Nitrophenol		0.172	0.174	0.183	0.181	0.192	0.187	0.178	0.181	3.92
27)	2,4-Dimethylph...		0.318	0.303	0.311	0.304	0.321	0.308	0.292	0.308	3.14
28)	bis(2-Chloroet...		0.408	0.381	0.392	0.377	0.397	0.378	0.356	0.384	4.31
29) C	2,4-Dichloroph...		0.284	0.281	0.292	0.280	0.300	0.285	0.269	0.284	3.51
30)	1,2,4-Trichlor...		0.337	0.313	0.322	0.306	0.322	0.307	0.294	0.314	4.42
31)	Naphthalene		1.065	0.997	1.021	0.972	1.008	0.958	0.903	0.989	5.20
32)	Benzoic acid			0.137	0.162	0.174	0.192	0.190	0.186	0.174	12.16
33)	4-Chloroaniline		0.429	0.389	0.399	0.399	0.408	0.386	0.370	0.397	4.68
34) C	Hexachlorobuta...		0.210	0.204	0.206	0.197	0.205	0.196	0.184	0.200	4.41
35)	Caprolactam			0.077	0.079	0.075	0.079	0.077	0.074	0.077	2.82
36) C	4-Chloro-3-met...		0.317	0.299	0.303	0.289	0.301	0.287	0.273	0.296	4.76
37)	2-Methylnaphth...		0.674	0.649	0.641	0.618	0.636	0.599	0.565	0.626	5.72
38)	1-Methylnaphth...		0.727	0.666	0.669	0.629	0.650	0.619	0.580	0.649	7.16

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.585	0.592	0.589	0.568	0.618	0.570	0.531	0.579	4.64	
41) P	Hexachlorocycl...		0.297	0.348	0.375	0.414	0.400	0.396	0.372	11.64	
42) S	2,4,6-Tribromo...	0.236	0.223	0.224	0.213	0.226	0.210	0.202	0.219	5.28	
43) C	2,4,6-Trichlor...	0.349	0.373	0.383	0.373	0.405	0.380	0.359	0.375	4.79	
44)	2,4,5-Trichlor...	0.404	0.404	0.413	0.400	0.431	0.399	0.383	0.405	3.61	
45) S	2-Fluorobiphenyl	1.690	1.610	1.569	1.444	1.535	1.402	1.289	1.505	9.04	
46)	1,1'-Biphenyl	1.630	1.617	1.587	1.506	1.622	1.500	1.409	1.553	5.39	
47)	2-Chloronaphth...	1.190	1.172	1.178	1.117	1.197	1.108	1.047	1.144	4.82	
48)	2-Nitroaniline	0.320	0.321	0.333	0.323	0.345	0.325	0.311	0.325	3.38	
49)	Acenaphthylene	2.053	1.986	2.003	1.881	1.991	1.847	1.744	1.929	5.65	
50)	Dimethylphthalate	1.444	1.368	1.359	1.291	1.379	1.273	1.234	1.336	5.42	
51)	2,6-Dinitrotol...	0.307	0.283	0.295	0.285	0.299	0.283	0.268	0.289	4.49	
52) C	Acenaphthene	1.266	1.222	1.224	1.170	1.237	1.155	1.099	1.196	4.80	
53)	3-Nitroaniline	0.334	0.313	0.316	0.307	0.322	0.304	0.295	0.313	4.08	
54) P	2,4-Dinitrophenol		0.123	0.154	0.157	0.176	0.170	0.169	0.158	12.18	
55)	Dibenzofuran	1.855	1.777	1.783	1.643	1.741	1.607	1.517	1.703	6.93	
56) P	4-Nitrophenol		0.203	0.219	0.210	0.222	0.212	0.208	0.212	3.42	
57)	2,4-Dinitrotol...	0.396	0.383	0.399	0.377	0.396	0.372	0.348	0.382	4.73	
58)	Fluorene	1.547	1.429	1.397	1.279	1.357	1.240	1.167	1.345	9.49	
59)	2,3,4,6-Tetrac...	0.364	0.339	0.357	0.327	0.354	0.332	0.311	0.340	5.58	
60)	Diethylphthalate	1.508	1.392	1.372	1.256	1.332	1.246	1.164	1.324	8.55	
61)	4-Chlorophenyl...	0.748	0.692	0.680	0.633	0.663	0.610	0.571	0.657	8.84	
62)	4-Nitroaniline	0.297	0.281	0.294	0.270	0.283	0.275	0.261	0.280	4.58	
63)	Azobenzene	1.290	1.186	1.178	1.115	1.187	1.094	1.045	1.157	6.89	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.104	0.123	0.125	0.137	0.133	0.129	0.125	9.17	
66) c	n-Nitrosodiphe...	0.710	0.679	0.693	0.672	0.722	0.685	0.651	0.687	3.45	
67)	4-Bromophenyl-...	0.240	0.229	0.238	0.231	0.252	0.236	0.227	0.236	3.52	
68)	Hexachlorobenzene	0.270	0.261	0.263	0.255	0.275	0.260	0.251	0.262	3.17	
69)	Atrazine	0.185	0.174	0.188	0.179	0.191	0.188	0.178	0.183	3.33	
70) C	Pentachlorophenol		0.118	0.133	0.139	0.148	0.144	0.142	0.137	7.80	
71)	Phenanthrene	1.165	1.100	1.094	1.036	1.091	1.035	0.978	1.071	5.61	
72)	Anthracene	1.203	1.145	1.140	1.064	1.132	1.072	1.004	1.108	5.96	
73)	Carbazole	1.003	0.960	0.968	0.898	0.931	0.903	0.832	0.928	6.07	
74)	Di-n-butylphth...	1.105	1.048	1.072	1.005	1.053	1.017	0.953	1.036	4.76	
75) C	Fluoranthene	1.184	1.083	1.081	0.965	0.988	0.953	0.878	1.019	10.08	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.711	0.772	0.799	0.754	0.684	0.553	0.712	12.40	
78)	Pyrene	2.014	1.918	1.928	1.883	1.878	1.753	1.635	1.859	6.75	
79) S	Terphenyl-d14	1.609	1.562	1.556	1.462	1.430	1.327	1.247	1.456	9.11	
80)	Butylbenzylphth...	0.435	0.486	0.526	0.581	0.626	0.605	0.588	0.550	12.67	
81)	Benzo(a)anthra...	1.367	1.273	1.284	1.350	1.400	1.340	1.263	1.325	3.94	
82)	3,3'-Dichlorob...		0.370	0.403	0.442	0.473	0.459	0.418	0.427	8.88	
83)	Chrysene	1.298	1.208	1.245	1.172	1.250	1.222	1.170	1.224	3.72	
84)	Bis(2-ethylhex...	0.616	0.709	0.756	0.895	0.977	0.926	0.896	0.825	16.02	
85) c	Di-n-octyl pht...		1.284	1.385	1.677	1.816	1.680	1.654	1.582	12.84	

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86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.438 1.406 1.458 1.498 1.602 1.514 1.460 1.482	4.31
88)	Benzo(b)fluora...	1.256 1.094 1.112 1.162 1.230 1.251 1.139 1.178	5.71
89)	Benzo(k)fluora...	1.236 1.178 1.245 1.076 1.189 1.035 1.039 1.143	7.94
90) C	Benzo(a)pyrene	1.164 1.085 1.122 1.104 1.184 1.111 1.068 1.120	3.70
91)	Dibenzo(a,h)an...	1.134 1.176 1.214 1.236 1.318 1.222 1.172 1.210	4.87
92)	Benzo(g,h,i)pe...	1.201 1.164 1.178 1.216 1.295 1.207 1.163 1.203	3.77

(#) = Out of Range