

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF083023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 31 03:48:08 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF134999.D 5 =BF135000.D 10 =BF135001.D 20 =BF135002.D 40 =BF135003.D 50 =BF135004.D 60 =BF135005.D 80 =BF135006.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.583	0.591	0.588	0.512	0.537	0.533	0.496	0.548		7.04
3)	Pyridine	1.493	1.586	1.615	1.389	1.453	1.445	1.368	1.479		6.31
4)	n-Nitrosodimet...	0.747	0.759	0.760	0.674	0.722	0.720	0.679	0.723		4.95
5) S	2-Fluorophenol	1.525	1.495	1.436	1.163	1.196	1.185	1.063	1.295		14.30
6)	Aniline	2.286	2.289	2.213	1.829	1.872	1.838	1.680	2.001		12.66
7) S	Phenol-d6	1.910	1.863	1.781	1.460	1.486	1.463	1.334	1.614		14.29
8)	2-Chlorophenol	1.513	1.487	1.461	1.194	1.239	1.217	1.097	1.315		12.73
9)	Benzaldehyde		1.066	0.978	0.714	0.778	0.735	0.662	0.822		19.65
10) C	Phenol	2.023	1.979	1.894	1.539	1.553	1.517	1.354	1.694		15.62
11)	bis(2-Chloroet...	1.449	1.421	1.389	1.168	1.210	1.199	1.094	1.276		11.04
12)	1,3-Dichlorobe...	1.545	1.525	1.498	1.241	1.273	1.258	1.148	1.355		11.96
13) C	1,4-Dichlorobe...	1.567	1.538	1.491	1.243	1.260	1.259	1.137	1.356		12.61
14)	1,2-Dichlorobe...	1.518	1.477	1.409	1.146	1.165	1.141	1.005	1.266		15.70
15)	Benzyl Alcohol	1.295	1.281	1.247	1.017	1.025	0.996	0.880	1.106		14.94
16)	2,2'-oxybis(1-...	2.487	2.368	2.335	1.957	2.003	1.983	1.822	2.137		11.91
17)	2-Methylphenol	1.309	1.274	1.246	1.055	1.078	1.071	0.991	1.146		11.01
18)	Hexachloroethane	0.554	0.553	0.560	0.461	0.480	0.469	0.440	0.502		10.17
19) P	n-Nitroso-di-n...	1.165	1.104	1.048	1.005	0.835	0.857	0.866	0.789	0.959	14.59
20)	3+4-Methylphenols	1.657	1.662	1.521	1.213	1.204	1.177	1.033	1.352		18.88
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.519	0.504	0.485	0.400	0.407	0.409	0.389	0.445		12.48
23) S	Nitrobenzene-d5	0.391	0.386	0.382	0.323	0.340	0.342	0.328	0.356		8.23
24)	Nitrobenzene	0.392	0.397	0.393	0.339	0.346	0.350	0.339	0.365		7.52
25)	Isophorone	0.725	0.724	0.713	0.611	0.641	0.664	0.646	0.675		6.77
26) C	2-Nitrophenol	0.176	0.186	0.195	0.170	0.179	0.182	0.174	0.180		4.68
27)	2,4-Dimethylph...	0.318	0.315	0.313	0.267	0.277	0.271	0.272	0.290		8.06
28)	bis(2-Chloroet...	0.455	0.449	0.439	0.370	0.383	0.384	0.371	0.407		9.45
29) C	2,4-Dichloroph...	0.294	0.303	0.302	0.253	0.263	0.263	0.254	0.276		8.25
30)	1,2,4-Trichlor...	0.326	0.329	0.323	0.274	0.283	0.289	0.265	0.298		8.99
31)	Naphthalene	1.130	1.097	1.065	0.884	0.899	0.915	0.848	0.977		11.85
32)	Benzoic acid	0.212	0.226	0.241	0.220	0.240	0.248	0.239	0.232		5.70
33)	4-Chloroaniline	0.476	0.476	0.461	0.390	0.397	0.409	0.383	0.427		9.82
34) C	Hexachlorobuta...	0.186	0.186	0.185	0.156	0.160	0.160	0.152	0.169		9.21
35)	Caprolactam	0.096	0.096	0.095	0.084	0.086	0.090	0.085	0.090		6.05
36) C	4-Chloro-3-met...	0.327	0.332	0.320	0.275	0.286	0.287	0.272	0.300		8.59
37)	2-Methylnaphth...	0.760	0.744	0.711	0.594	0.602	0.597	0.555	0.652		12.82
38)	1-Methylnaphth...	0.706	0.693	0.675	0.551	0.564	0.562	0.520	0.610		12.76

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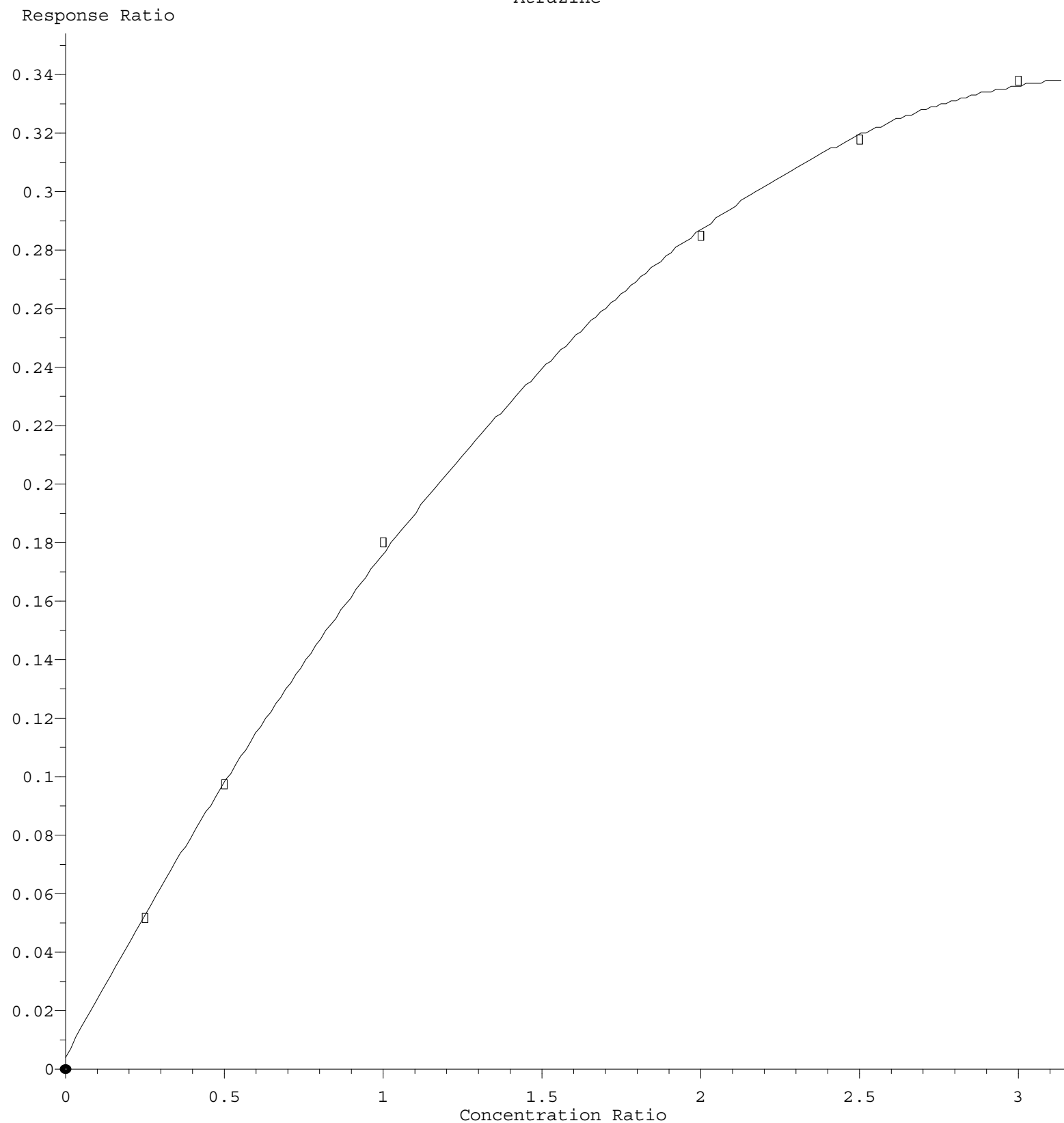
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.625	0.623	0.619	0.499	0.531	0.526	0.496	0.560	10.68	
41) P	Hexachlorocycl...		0.187	0.240	0.224	0.256	0.253	0.270	0.238	12.43	
42) S	2,4,6-Tribromo...	0.246	0.242	0.237	0.189	0.196	0.194	0.182	0.212	13.23	
43) C	2,4,6-Trichlor...	0.395	0.410	0.416	0.341	0.358	0.364	0.348	0.376	8.11	
44)	2,4,5-Trichlor...	0.478	0.478	0.474	0.392	0.413	0.416	0.396	0.435	9.10	
45) S	2-Fluorobiphenyl	1.516	1.467	1.385	1.082	1.102	1.077	0.970	1.228	17.93	
46)	1,1'-Biphenyl	1.772	1.720	1.699	1.355	1.423	1.423	1.305	1.528	12.73	
47)	2-Chloronaphth...	1.283	1.279	1.265	1.038	1.092	1.076	1.010	1.149	10.59	
48)	2-Nitroaniline	0.397	0.414	0.424	0.362	0.385	0.395	0.376	0.393	5.39	
49)	Acenaphthylene	1.989	1.984	1.956	1.557	1.619	1.590	1.465	1.737	13.18	
50)	Dimethylphthalate	1.563	1.531	1.516	1.240	1.327	1.340	1.287	1.400	9.43	
51)	2,6-Dinitrotol...	0.309	0.328	0.345	0.281	0.298	0.302	0.288	0.307	7.31	
52) C	Acenaphthene	1.265	1.260	1.241	0.977	1.029	1.016	0.960	1.107	12.74	
53)	3-Nitroaniline	0.379	0.387	0.392	0.325	0.341	0.347	0.333	0.358	7.69	
54) P	2,4-Dinitrophenol	0.096	0.126	0.154	0.147	0.163	0.174	0.169	0.147	18.82	
55)	Dibenzofuran	1.900	1.883	1.809	1.418	1.443	1.408	1.317	1.597	15.93	
56) P	4-Nitrophenol	0.249	0.264	0.277	0.234	0.243	0.254	0.241	0.252	5.95	
57)	2,4-Dinitrotol...	0.414	0.435	0.433	0.355	0.360	0.357	0.325	0.383	11.43	
58)	Fluorene	1.495	1.451	1.380	1.053	1.100	1.077	0.965	1.217	17.80	
59)	2,3,4,6-Tetrac...	0.378	0.375	0.369	0.306	0.315	0.312	0.291	0.335	11.09	
60)	Diethylphthalate	1.513	1.497	1.469	1.170	1.214	1.222	1.141	1.318	12.63	
61)	4-Chlorophenyl...	0.746	0.720	0.683	0.526	0.534	0.528	0.478	0.602	18.27	
62)	4-Nitroaniline	0.377	0.383	0.384	0.320	0.335	0.337	0.316	0.350	8.55	
63)	Azobenzene	1.507	1.482	1.471	1.188	1.238	1.247	1.159	1.327	11.48	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.097	0.115	0.130	0.120	0.126	0.132	0.126	0.121	9.90	
66) c	n-Nitrosodiphe...	0.696	0.699	0.673	0.561	0.578	0.593	0.553	0.622	10.44	
67)	4-Bromophenyl-...	0.230	0.236	0.233	0.192	0.198	0.203	0.192	0.212	9.39	
68)	Hexachlorobenzene	0.238	0.243	0.240	0.197	0.207	0.211	0.199	0.219	9.23	
69)	Atrazine	0.207	0.195	0.180	0.142	0.127	0.113		0.161	24.00	
70) C	Pentachlorophenol	0.134	0.142	0.147	0.125	0.126	0.130	0.124	0.133	6.73	
71)	Phenanthrene	1.189	1.188	1.144	0.918	0.951	0.958	0.874	1.032	13.21	
72)	Anthracene	1.231	1.206	1.183	0.949	0.959	0.968	0.884	1.054	13.81	
73)	Carbazole	1.057	1.052	1.006	0.821	0.826	0.844	0.759	0.909	13.69	
74)	Di-n-butylphth...	1.294	1.261	1.221	0.986	0.990	1.015	0.907	1.096	14.30	
75) C	Fluoranthene	1.270	1.246	1.181	0.939	0.920	0.935	0.813	1.043	17.60	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.623	0.565	0.449	0.355	0.230	0.124	0.178	0.361	53.74	
78)	Pyrene	1.882	1.869	1.989	1.720	1.944	2.010	1.878	1.899	5.08	
79) S	Terphenyl-d14	1.331	1.291	1.299	1.104	1.200	1.225	1.129	1.226	7.12	
80)	Butylbenzylphth...	0.674	0.695	0.725	0.648	0.676	0.727	0.657	0.686	4.56	
81)	Benzo(a)anthra...	1.551	1.493	1.450	1.220	1.271	1.310	1.255	1.364	9.62	
82)	3,3'-Dichlorob...	0.473	0.485	0.464	0.365	0.375	0.365	0.354	0.412	14.36	
83)	Chrysene	1.471	1.435	1.444	1.187	1.265	1.315	1.268	1.341	8.16	
84)	Bis(2-ethylhex...	0.742	0.779	0.746	0.663	0.658	0.709	0.672	0.710	6.64	
85) c	Di-n-octyl pht...	0.987	1.067	1.042	0.989	1.064	1.181	1.255	1.084	9.18	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.096	1.145	1.401	1.293	1.491	1.513	1.490	1.347	12.80	
88)	Benzo(b)fluora...	1.407	1.380	1.439	1.079	1.104	1.213	1.090	1.244	12.91	
89)	Benzo(k)fluora...	1.388	1.420	1.275	1.118	1.126	1.075	1.013	1.202	13.24	
90) C	Benzo(a)pyrene	1.243	1.247	1.242	1.049	1.105	1.129	1.076	1.156	7.45	
91)	Dibenzo(a,h)an...	0.886	0.952	1.148	1.063	1.209	1.205	1.175	1.091	11.79	
92)	Benzo(g,h,i)pe...	0.886	0.935	1.184	1.094	1.286	1.280	1.277	1.135	14.84	

(#) = Out of Range

Atrazine



$R = -3.071e-002 A^2 + 2.028e-001 A + 4.153e-003$
 Coef of Det (r^2) = 0.999645 Curve Fit: Quadratic
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF083023.M
 Calibration Table Last Updated: Thu Aug 31 03:48:08 2023