

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF021623.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 17 03:08:40 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF132425.D 5 =BF132426.D 10 =BF132427.D 20 =BF132428.D 40 =BF132429.D 50 =BF132430.D 60 =BF132431.D 80 =BF132432.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.681	0.695	0.753	0.683	0.660	0.641	0.614	0.675	6.54	
3)	Pyridine	1.679	1.885	2.035	1.878	1.816	1.797	1.740	1.833	6.28	
4)	n-Nitrosodimet...	0.683	0.687	0.799	0.744	0.736	0.722	0.694	0.724	5.68	
5) S	2-Fluorophenol	1.397	1.371	1.437	1.230	1.152	1.118	1.032	1.248	12.52	
6)	Aniline	2.385	2.350	2.534	2.274	2.198	2.122	2.032	2.271	7.48	
7) S	Phenol-d6	1.806	1.780	1.858	1.593	1.535	1.467	1.370	1.630	11.47	
8)	2-Chlorophenol	1.407	1.403	1.454	1.246	1.203	1.160	1.047	1.274	11.86	
9)	Benzaldehyde	1.014	1.017	0.907	0.738	0.681			0.871	17.83	
10) C	Phenol	1.902	1.859	1.945	1.710	1.634	1.579	1.462	1.727	10.48	
11)	bis(2-Chloroet...	1.600	1.545	1.615	1.433	1.414	1.375	1.273	1.465	8.62	
12)	1,3-Dichlorobe...	1.523	1.517	1.602	1.366	1.304	1.253	1.153	1.388	11.83	
13) C	1,4-Dichlorobe...	1.570	1.504	1.589	1.364	1.288	1.244	1.133	1.385	12.62	
14)	1,2-Dichlorobe...	1.477	1.403	1.481	1.239	1.179	1.096	1.005	1.269	14.92	
15)	Benzyl Alcohol	1.152	1.182	1.330	1.254	1.223	1.192	1.105	1.206	6.05	
16)	2,2'-oxybis(1-...	2.213	2.146	2.267	2.029	1.978	1.885	1.741	2.037	9.18	
17)	2-Methylphenol	1.332	1.262	1.353	1.199	1.163	1.123	1.059	1.213	8.95	
18)	Hexachloroethane	0.536	0.525	0.590	0.534	0.512	0.498	0.465	0.523	7.38	
19) P	n-Nitroso-di-n...	0.973	1.106	1.076	1.134	0.980	0.945	0.920	0.859	0.999	9.67
20)	3+4-Methylphenols	1.656	1.666	1.723	1.492	1.423	1.324	1.199	1.498	13.05	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.583	0.569	0.595	0.507	0.478	0.465	0.432	0.518	12.37	
23) S	Nitrobenzene-d5	0.413	0.422	0.454	0.423	0.407	0.407	0.387	0.416	4.97	
24)	Nitrobenzene	0.465	0.457	0.499	0.463	0.444	0.444	0.422	0.456	5.20	
25)	Isophorone	0.817	0.819	0.871	0.816	0.802	0.809	0.791	0.818	3.12	
26) C	2-Nitrophenol	0.147	0.167	0.193	0.189	0.186	0.184	0.176	0.177	8.93	
27)	2,4-Dimethylph...	0.332	0.331	0.351	0.322	0.308	0.305	0.293	0.320	6.11	
28)	bis(2-Chloroet...	0.503	0.500	0.531	0.473	0.455	0.457	0.427	0.478	7.39	
29) C	2,4-Dichloroph...	0.294	0.310	0.337	0.310	0.297	0.294	0.274	0.302	6.45	
30)	1,2,4-Trichlor...	0.353	0.352	0.375	0.339	0.318	0.318	0.298	0.336	7.85	
31)	Naphthalene	1.167	1.140	1.181	1.016	0.966	0.935	0.861	1.038	12.14	
32)	Benzoic acid		0.094	0.172	0.221	0.227	0.243	0.248	0.201	29.33	
33)	4-Chloroaniline	0.451	0.472	0.499	0.423	0.403	0.395	0.375	0.431	10.39	
34) C	Hexachlorobuta...	0.218	0.218	0.234	0.215	0.205	0.203	0.191	0.212	6.48	
35)	Caprolactam	0.086	0.089	0.106	0.103	0.101	0.101	0.101	0.098	7.48	
36) C	4-Chloro-3-met...	0.332	0.336	0.371	0.346	0.336	0.329	0.317	0.338	4.97	
37)	2-Methylnaphth...	0.793	0.749	0.782	0.686	0.652	0.634	0.594	0.699	11.07	
38)	1-Methylnaphth...	0.737	0.706	0.734	0.646	0.616	0.597	0.558	0.656	10.76	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF021623.M

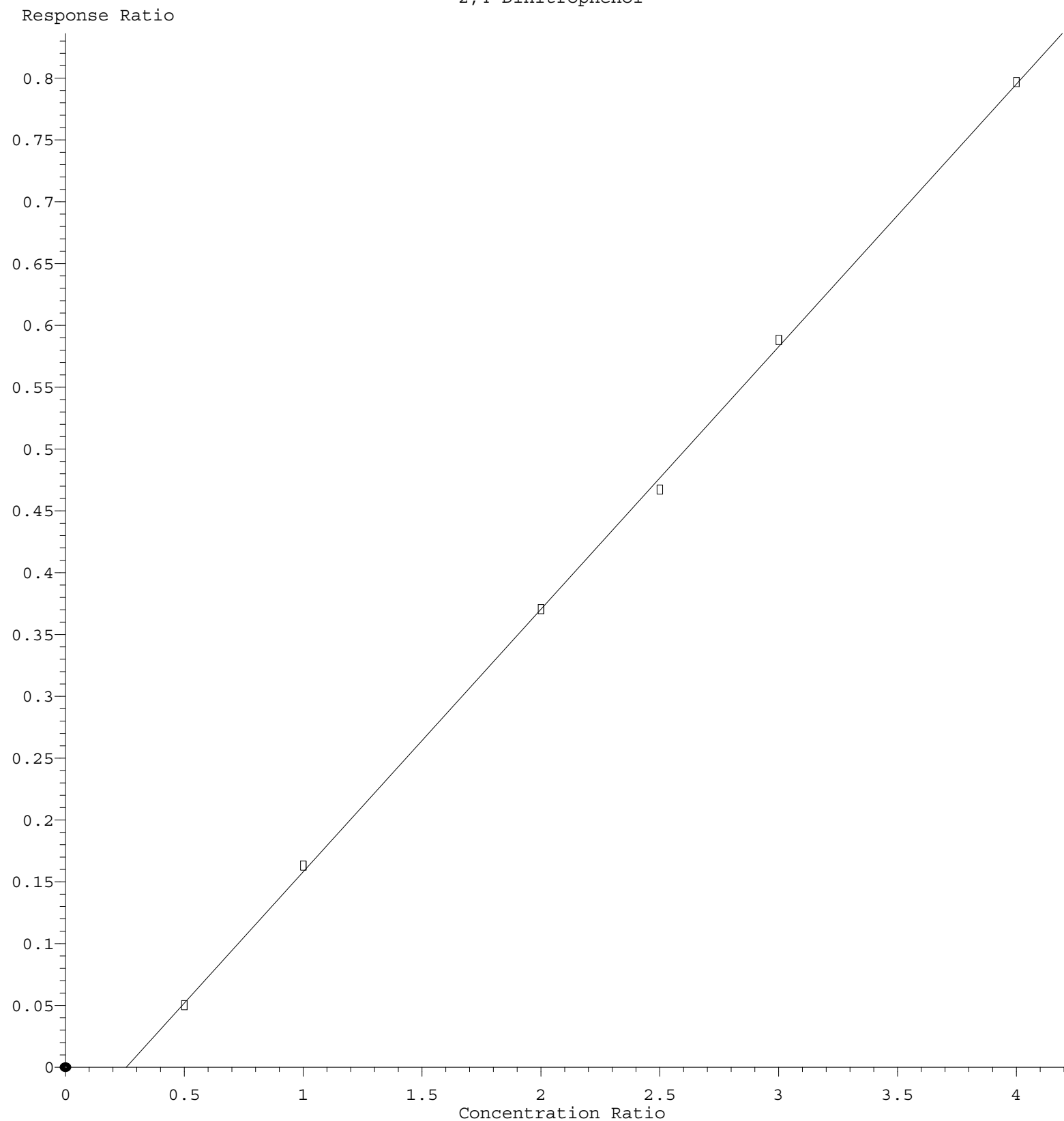
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.681	0.690	0.725	0.658	0.619	0.605	0.559	0.648	8.78
41) P	Hexachlorocycl...	0.265	0.305	0.386	0.390	0.381	0.390	0.373	0.356	14.08
42) S	2,4,6-Tribromo...	0.196	0.202	0.223	0.206	0.194	0.191	0.186	0.200	6.07
43) C	2,4,6-Trichlor...	0.400	0.424	0.475	0.451	0.424	0.418	0.396	0.427	6.49
44)	2,4,5-Trichlor...	0.490	0.490	0.554	0.515	0.485	0.490	0.457	0.497	6.02
45) S	2-Fluorobiphenyl	1.575	1.503	1.490	1.235	1.141	1.103	1.018	1.295	17.28
46)	1,1'-Biphenyl	1.724	1.719	1.753	1.522	1.429	1.404	1.284	1.548	12.01
47)	2-Chloronaphth...	1.325	1.297	1.369	1.212	1.142	1.114	1.046	1.215	9.89
48)	2-Nitroaniline	0.358	0.403	0.475	0.452	0.436	0.436	0.423	0.426	8.77
49)	Acenaphthylene	2.123	2.117	2.176	1.907	1.817	1.755	1.618	1.930	11.07
50)	Dimethylphthalate	1.582	1.549	1.634	1.469	1.382	1.384	1.310	1.473	8.14
51)	2,6-Dinitrotol...	0.297	0.323	0.357	0.332	0.317	0.314	0.302	0.320	6.25
52) C	Acenaphthene	1.236	1.261	1.343	1.225	1.151	1.135	1.058	1.201	7.82
53)	3-Nitroaniline	0.346	0.359	0.403	0.380	0.359	0.369	0.357	0.368	5.15
54) P	2,4-Dinitrophenol		0.100	0.163	0.185	0.187	0.196	0.199	0.172	21.67
55)	Dibenzofuran	1.976	1.939	2.031	1.765	1.656	1.628	1.482	1.782	11.54
56) P	4-Nitrophenol	0.210	0.243	0.296	0.288	0.278	0.278	0.274	0.267	11.22
57)	2,4-Dinitrotol...	0.376	0.412	0.471	0.445	0.424	0.417	0.405	0.422	7.12
58)	Fluorene	1.521	1.486	1.520	1.322	1.239	1.214	1.131	1.348	11.98
59)	2,3,4,6-Tetrac...	0.350	0.369	0.420	0.390	0.376	0.376	0.349	0.376	6.48
60)	Diethylphthalate	1.552	1.500	1.619	1.475	1.362	1.356	1.270	1.448	8.51
61)	4-Chlorophenyl...	0.778	0.784	0.798	0.701	0.653	0.633	0.592	0.706	11.69
62)	4-Nitroaniline	0.328	0.348	0.392	0.357	0.336	0.326	0.315	0.343	7.49
63)	Azobenzene	1.703	1.675	1.766	1.621	1.531	1.506	1.411	1.602	7.80
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.094	0.125	0.131	0.132	0.133	0.130	0.124	12.08
66) c	n-Nitrosodiphe...	0.652	0.654	0.683	0.606	0.589	0.579	0.534	0.614	8.42
67)	4-Bromophenyl-...	0.224	0.226	0.245	0.221	0.213	0.211	0.195	0.219	7.08
68)	Hexachlorobenzene	0.245	0.234	0.251	0.230	0.223	0.219	0.203	0.229	7.15
69)	Atrazine	0.186	0.192	0.211	0.191	0.185	0.185	0.173	0.189	6.04
70) C	Pentachlorophenol	0.098	0.122	0.156	0.158	0.157	0.156	0.149	0.142	16.23
71)	Phenanthrene	1.143	1.115	1.160	1.007	0.973	0.943	0.870	1.030	10.79
72)	Anthracene	1.167	1.139	1.196	1.048	0.993	0.971	0.899	1.059	10.55
73)	Carbazole	1.024	1.027	1.086	0.938	0.899	0.872	0.825	0.953	9.97
74)	Di-n-butylphth...	1.153	1.186	1.289	1.153	1.094	1.082	0.991	1.135	8.23
75) C	Fluoranthene	1.240	1.243	1.303	1.146	1.081	1.052	0.977	1.149	10.34
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.385	0.396	0.479	0.434	0.474	0.408	0.406	0.426	8.85
78)	Pyrene	1.672	1.704	1.828	1.705	1.615	1.740	1.628	1.699	4.25
79) S	Terphenyl-d14	1.189	1.132	1.197	1.069	1.001	1.088	1.010	1.098	7.17
80)	Butylbenzylphth...	0.497	0.570	0.686	0.685	0.650	0.694	0.654	0.634	11.61
81)	Benzo(a)anthra...	1.473	1.472	1.594	1.471	1.422	1.451	1.370	1.465	4.66
82)	3,3'-Dichlorob...	0.374	0.413	0.452	0.406	0.387	0.368	0.339	0.391	9.30
83)	Chrysene	1.439	1.427	1.557	1.395	1.342	1.355	1.282	1.400	6.25
84)	Bis(2-ethylhex...	0.714	0.791	0.902	0.867	0.822	0.861	0.789	0.821	7.66
85) c	Di-n-octyl pht...	0.902	1.031	1.257	1.285	1.261	1.332	1.274	1.192	13.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF021623.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.057	1.090	1.294	1.334	1.306	1.462	1.406	1.278	11.87
88)	Benzo(b)fluora...	1.337	1.321	1.441	1.335	1.296	1.246	1.230	1.315	5.30
89)	Benzo(k)fluora...	1.293	1.331	1.495	1.329	1.308	1.292	1.166	1.316	7.36
90) C	Benzo(a)pyrene	1.160	1.201	1.332	1.237	1.222	1.230	1.175	1.222	4.59
91)	Dibenzo(a,h)an...	0.886	0.913	1.098	1.106	1.068	1.181	1.119	1.053	10.49
92)	Benzo(g,h,i)pe...	0.856	0.902	1.087	1.138	1.127	1.244	1.214	1.081	13.74

(#) = Out of Range

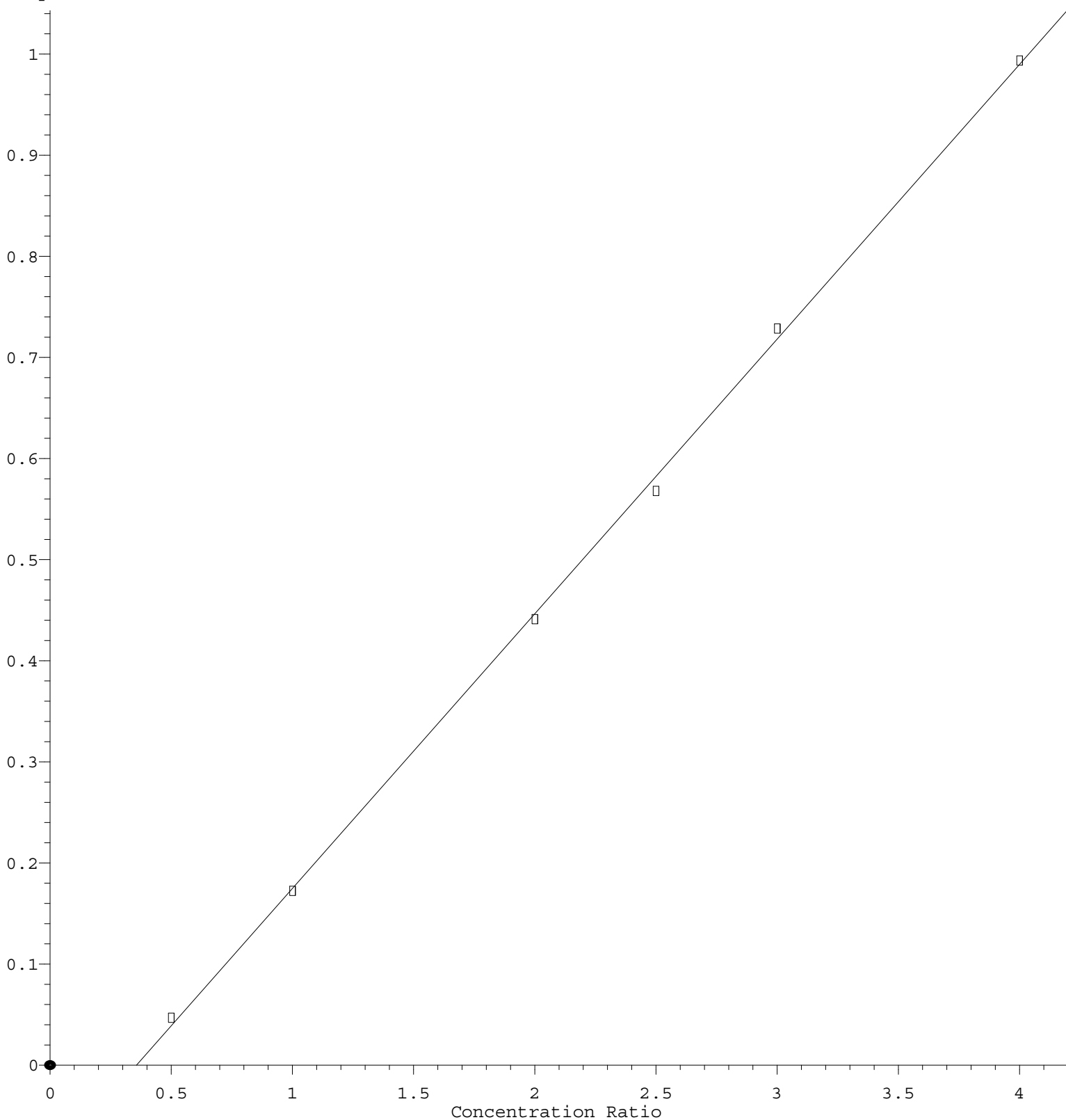
2,4-Dinitrophenol



Response = 2.125e-001 * Amt - 5.449e-002
 Coef of Det (r^2) = 0.999611 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF021623.M
 Calibration Table Last Updated: Fri Feb 17 03:08:40 2023

Benzoic acid

Response Ratio



$$\text{Response} = 2.718\text{e-}001 * \text{Amt} - 9.716\text{e-}002$$

Coef of Det (r^2) = 0.999307 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF021623.M

Calibration Table Last Updated: Fri Feb 17 03:08:40 2023