

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF091123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Sep 12 00:19:07 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF135159.D 5 =BF135160.D 10 =BF135161.D 20 =BF135162.D 40 =BF135163.D 50 =BF135164.D 60 =BF135165.D 80 =BF135166.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.538	0.516	0.568	0.536	0.525	0.532	0.557	0.539		3.36
3)	Pyridine	1.344	1.319	1.543	1.489	1.442	1.477	1.541	1.451		6.14
4)	n-Nitrosodimet...	0.698	0.721	0.817	0.788	0.763	0.785	0.817	0.770		5.95
5) S	2-Fluorophenol	1.291	1.239	1.339	1.228	1.169	1.176	1.165	1.230		5.41
6)	Aniline	2.140	2.074	2.196	2.054	1.944	1.985	1.961	2.050		4.59
7) S	Phenol-d6	1.665	1.581	1.684	1.570	1.478	1.486	1.481	1.564		5.55
8)	2-Chlorophenol	1.375	1.319	1.430	1.321	1.246	1.257	1.241	1.313		5.42
9)	Benzaldehyde	1.070	0.977	1.010	0.873	0.789	0.777	0.740	0.891		14.51
10) C	Phenol	1.811	1.761	1.908	1.726	1.607	1.601	1.588	1.715		7.11
11)	bis(2-Chloroet...	1.326	1.267	1.380	1.298	1.223	1.252	1.257	1.286		4.13
12)	1,3-Dichlorobe...	1.367	1.346	1.451	1.332	1.264	1.294	1.284	1.334		4.72
13) C	1,4-Dichlorobe...	1.442	1.367	1.480	1.348	1.280	1.296	1.288	1.357		5.77
14)	1,2-Dichlorobe...	1.382	1.319	1.378	1.241	1.176	1.184	1.143	1.260		7.88
15)	Benzyl Alcohol	1.160	1.144	1.244	1.134	1.071	1.069	1.032	1.122		6.33
16)	2,2'-oxybis(1-...	2.570	2.413	2.594	2.453	2.309	2.332	2.299	2.424		5.01
17)	2-Methylphenol	1.229	1.115	1.226	1.171	1.104	1.130	1.134	1.158		4.46
18)	Hexachloroethane	0.523	0.487	0.535	0.504	0.483	0.489	0.489	0.502		4.07
19) P	n-Nitroso-di-n...	0.991	1.025	0.986	1.029	0.954	0.909	0.923	0.931	0.968	4.76
20)	3+4-Methylphenols	1.582	1.496	1.531	1.368	1.292	1.261	1.221	1.393		10.28
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.494	0.481	0.498	0.444	0.423	0.424	0.435	0.457		7.20
23) S	Nitrobenzene-d5	0.373	0.362	0.389	0.366	0.355	0.362	0.369	0.368		2.98
24)	Nitrobenzene	0.359	0.362	0.387	0.365	0.354	0.355	0.365	0.364		2.99
25)	Isophorone	0.668	0.656	0.713	0.668	0.648	0.676	0.702	0.676		3.46
26) C	2-Nitrophenol	0.159	0.168	0.186	0.175	0.171	0.181	0.183	0.175		5.40
27)	2,4-Dimethylph...	0.292	0.293	0.315	0.288	0.281	0.288	0.298	0.294		3.65
28)	bis(2-Chloroet...	0.420	0.407	0.430	0.394	0.381	0.394	0.406	0.405		4.16
29) C	2,4-Dichloroph...	0.271	0.277	0.291	0.269	0.258	0.267	0.271	0.272		3.70
30)	1,2,4-Trichlor...	0.290	0.292	0.307	0.280	0.269	0.273	0.279	0.284		4.56
31)	Naphthalene	1.029	0.992	1.047	0.957	0.918	0.920	0.939	0.972		5.37
32)	Benzoic acid	0.176	0.187	0.225	0.231	0.232	0.239	0.256	0.221		12.95
33)	4-Chloroaniline	0.440	0.437	0.459	0.420	0.406	0.414	0.408	0.426		4.59
34) C	Hexachlorobuta...	0.178	0.170	0.183	0.168	0.165	0.166	0.169	0.171		3.84
35)	Caprolactam	0.087	0.087	0.096	0.090	0.090	0.092	0.097	0.091		4.28
36) C	4-Chloro-3-met...	0.306	0.303	0.323	0.301	0.289	0.295	0.300	0.302		3.49
37)	2-Methylnaphth...	0.704	0.687	0.700	0.632	0.609	0.621	0.619	0.653		6.42
38)	1-Methylnaphth...	0.652	0.650	0.658	0.593	0.572	0.577	0.578	0.612		6.47

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF091123.M

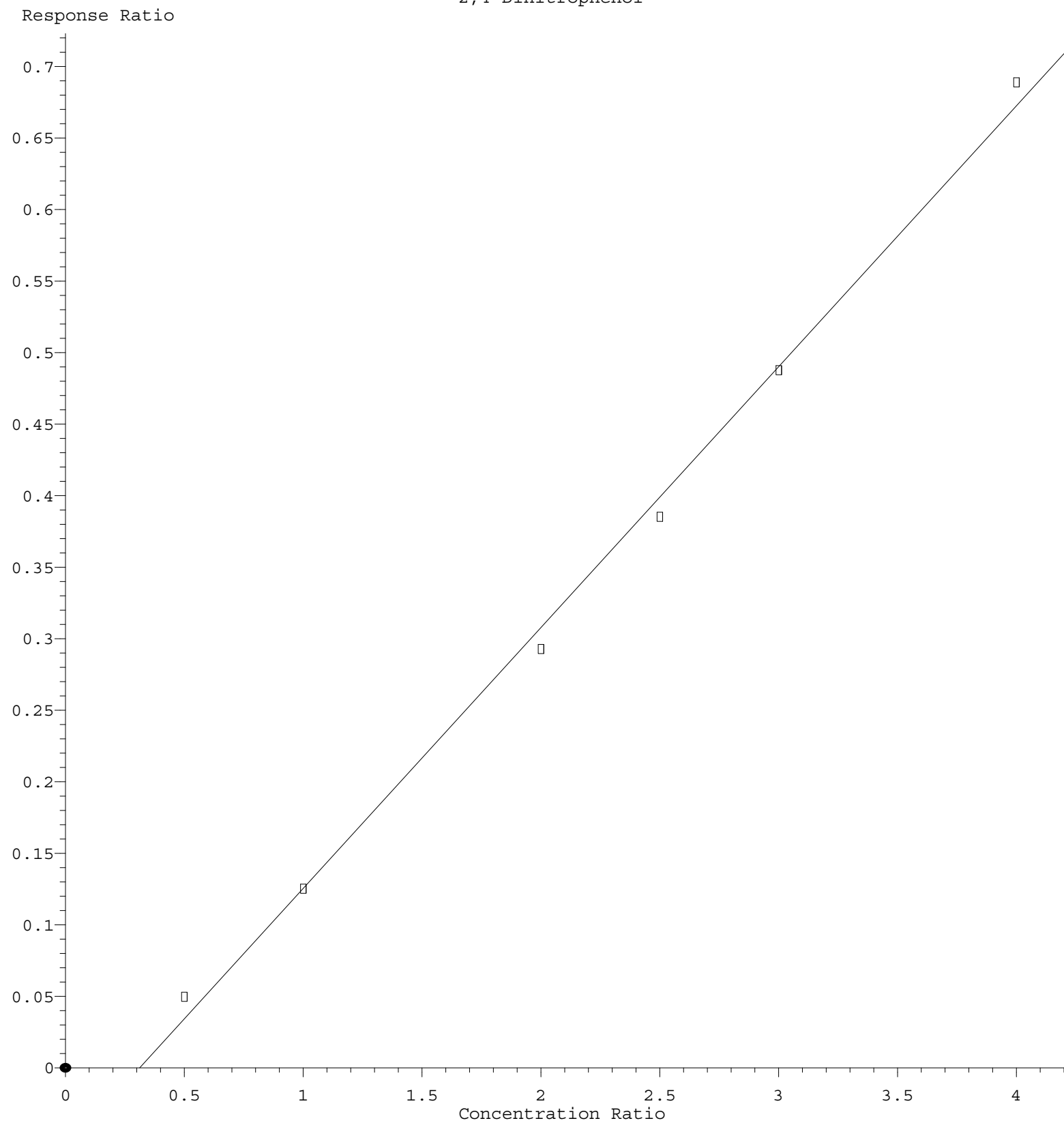
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.599	0.580	0.633	0.578	0.551	0.553	0.562	0.579	4.99
41) P	Hexachlorocycl...		0.124	0.187	0.220	0.222	0.241	0.266	0.210	23.56
42) S	2,4,6-Tribromo...	0.204	0.197	0.222	0.196	0.191	0.189	0.192	0.199	5.73
43) C	2,4,6-Trichlor...	0.376	0.370	0.401	0.379	0.369	0.377	0.383	0.379	2.89
44)	2,4,5-Trichlor...	0.447	0.419	0.467	0.441	0.419	0.425	0.440	0.437	3.96
45) S	2-Fluorobiphenyl	1.531	1.424	1.467	1.274	1.210	1.199	1.174	1.326	10.96
46)	1,1'-Biphenyl	1.640	1.576	1.671	1.526	1.448	1.462	1.436	1.537	6.19
47)	2-Chloronaphth...	1.179	1.122	1.216	1.095	1.059	1.069	1.065	1.115	5.47
48)	2-Nitroaniline	0.401	0.417	0.466	0.435	0.423	0.443	0.449	0.433	5.01
49)	Acenaphthylene	1.979	1.917	2.046	1.836	1.744	1.739	1.712	1.853	7.04
50)	Dimethylphthalate	1.412	1.358	1.467	1.310	1.279	1.305	1.334	1.352	4.92
51)	2,6-Dinitrotol...	0.296	0.292	0.311	0.295	0.285	0.296	0.298	0.296	2.60
52) C	Acenaphthene	1.165	1.117	1.196	1.069	1.042	1.039	1.036	1.095	5.97
53)	3-Nitroaniline	0.333	0.343	0.375	0.347	0.340	0.346	0.350	0.348	3.78
54) P	2,4-Dinitrophenol		0.099	0.125	0.146	0.154	0.163	0.172	0.143	18.70
55)	Dibenzofuran	1.857	1.771	1.863	1.633	1.549	1.540	1.482	1.671	9.48
56) P	4-Nitrophenol	0.176	0.201	0.237	0.230	0.228	0.235	0.241	0.221	10.85
57)	2,4-Dinitrotol...	0.372	0.387	0.410	0.376	0.351	0.356	0.344	0.371	6.20
58)	Fluorene	1.445	1.374	1.413	1.247	1.188	1.166	1.157	1.284	9.62
59)	2,3,4,6-Tetrac...	0.335	0.333	0.356	0.333	0.326	0.333	0.337	0.336	2.84
60)	Diethylphthalate	1.432	1.401	1.479	1.340	1.275	1.275	1.298	1.357	6.00
61)	4-Chlorophenyl...	0.697	0.666	0.686	0.595	0.571	0.554	0.550	0.617	10.36
62)	4-Nitroaniline	0.313	0.321	0.360	0.338	0.329	0.337	0.342	0.334	4.59
63)	Azobenzene	1.378	1.365	1.433	1.309	1.247	1.271	1.293	1.328	4.98
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.087	0.104	0.105	0.108	0.115	0.119	0.106	10.58
66) c	n-Nitrosodiphe...	0.635	0.633	0.652	0.583	0.575	0.576	0.584	0.605	5.46
67)	4-Bromophenyl-...	0.201	0.204	0.218	0.191	0.190	0.194	0.194	0.199	4.93
68)	Hexachlorobenzene	0.205	0.208	0.220	0.197	0.192	0.197	0.199	0.203	4.57
69)	Atrazine	0.177	0.170	0.178	0.157	0.153	0.156	0.150	0.163	7.04
70) C	Pentachlorophenol	0.100	0.110	0.131	0.127	0.124	0.127	0.131	0.121	9.82
71)	Phenanthrene	1.024	0.983	1.042	0.920	0.885	0.881	0.887	0.946	7.30
72)	Anthracene	1.045	1.025	1.072	0.937	0.917	0.908	0.902	0.972	7.45
73)	Carbazole	0.931	0.934	0.969	0.863	0.840	0.835	0.823	0.885	6.60
74)	Di-n-butylphth...	1.092	1.085	1.148	1.023	0.991	0.994	0.968	1.043	6.33
75) C	Fluoranthene	1.073	1.062	1.102	0.961	0.918	0.908	0.875	0.986	9.31
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.510	0.425	0.368	0.381	0.404	0.371	0.410	13.05
78)	Pyrene	1.809	1.787	2.028	1.892	1.851	1.950	2.012	1.904	5.03
79) S	Terphenyl-d14	1.328	1.275	1.408	1.259	1.219	1.282	1.260	1.290	4.76
80)	Butylbenzylpht...	0.597	0.618	0.701	0.688	0.678	0.705	0.705	0.670	6.66
81)	Benzo(a)anthra...	1.312	1.289	1.388	1.271	1.222	1.268	1.290	1.291	3.95
82)	3,3'-Dichlorob...	0.370	0.396	0.438	0.403	0.394	0.410	0.412	0.403	5.19
83)	Chrysene	1.265	1.274	1.349	1.263	1.233	1.307	1.296	1.284	2.92
84)	Bis(2-ethylhex...	0.644	0.633	0.708	0.697	0.676	0.722	0.736	0.688	5.65
85) c	Di-n-octyl pht...	0.900	0.907	1.051	1.120	1.114	1.238	1.323	1.093	14.42

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091123.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.172	1.123	1.391	1.376	1.306	1.391	1.419	1.311	9.01	
88)	Benzo(b)fluora...	1.088	1.097	1.160	1.077	1.050	1.017	1.088	1.083	4.07	
89)	Benzo(k)fluora...	1.078	1.102	1.175	1.053	1.028	1.050	1.000	1.069	5.31	
90) C	Benzo(a)pyrene	0.975	0.986	1.095	1.047	1.023	1.036	1.064	1.032	4.09	
91)	Dibenzo(a,h)an...	0.995	0.933	1.157	1.112	1.057	1.124	1.132	1.073	7.68	
92)	Benzo(g,h,i)pe...	1.003	0.965	1.178	1.181	1.117	1.183	1.216	1.121	8.76	

(#) = Out of Range

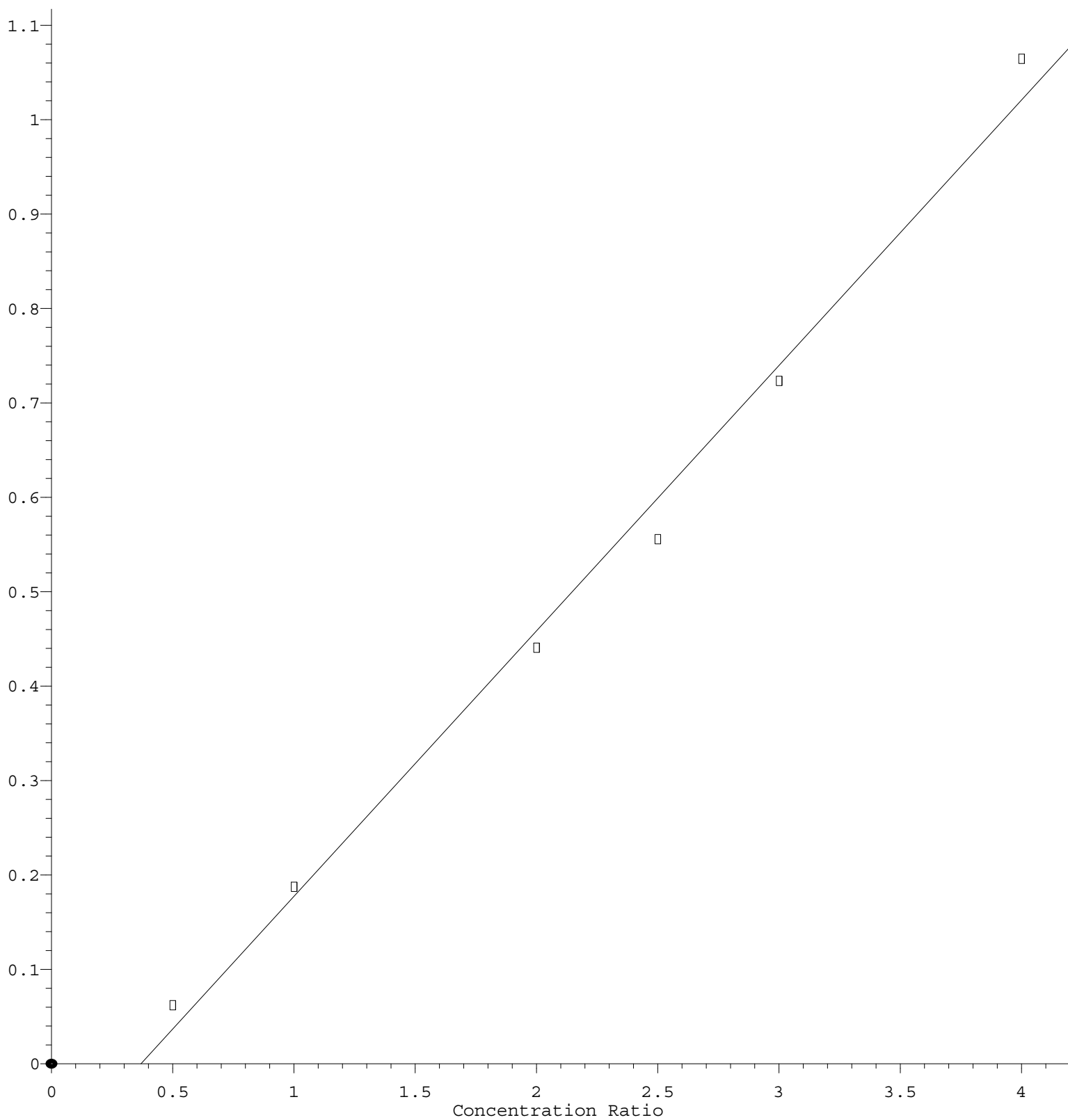
2,4-Dinitrophenol



Response = 1.824e-001 * Amt - 5.698e-002
 Coef of Det (r^2) = 0.996664 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF091123.M
 Calibration Table Last Updated: Tue Sep 12 00:19:07 2023

Hexachlorocyclopentadiene

Response Ratio



$$\text{Response} = 2.813\text{e-}001 * \text{Amt} - 1.038\text{e-}001$$

Coef of Det (r^2) = 0.992295 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF091123.M

Calibration Table Last Updated: Tue Sep 12 00:19:07 2023