Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 23 00:59:42 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF132500.D 5 =BF132501.D 10 =BF132502.D 20 =BF132503.D 40 =BF132504.D 50 =BF132505.D 60 =BF132506.D 80 =BF132507.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.676	0.679	0.751	0.712	0.667	0.659	0.627	0.682	5.84
3)		Pyridine		1.739	1.830	1.982	1.881	1.768	1.773	1.692	1.809	5.38
4)		n-Nitrosodimet...		0.640	0.666	0.729	0.730	0.684	0.678	0.657	0.683	5.06
5)	S	2-Fluorophenol		1.387	1.370	1.402	1.244	1.132	1.089	1.002	1.232	13.05
6)		Aniline		2.205	2.285	2.439	2.267	2.088	2.015	1.851	2.164	9.01
7)	S	Phenol-d6		1.791	1.835	1.807	1.631	1.459	1.432	1.303	1.608	13.23
8)		2-Chlorophenol		1.426	1.455	1.464	1.307	1.169	1.121	1.009	1.279	14.19
9)		Benzaldehyde			1.050	0.945	0.826	0.766	0.753		0.868	14.64
10)	C	Phenol		2.054	2.098	2.124	1.881	1.688	1.619	1.443	1.844	14.43
11)		bis(2-Chloroet...		1.531	1.525	1.589	1.468	1.343	1.308	1.201	1.423	9.97
12)		1,3-Dichlorobe...		1.512	1.532	1.552	1.395	1.265	1.230	1.121	1.373	12.37
13)	C	1,4-Dichlorobe...		1.540	1.535	1.550	1.388	1.259	1.209	1.113	1.370	13.09
14)		1,2-Dichlorobe...		1.480	1.446	1.471	1.279	1.128	1.088		1.315	13.46
15)		Benzyl Alcohol		1.306	1.314	1.394	1.311	1.173	1.141	1.031	1.239	10.25
16)		2,2'-oxybis(1-...		2.020	2.036	2.110	1.878	1.653	1.601	1.408	1.815	14.55
17)		2-Methylphenol		1.302	1.333	1.342	1.222	1.110	1.070	0.978	1.194	11.99
18)		Hexachloroethane		0.570	0.571	0.607	0.554	0.502	0.497	0.447	0.535	10.34
19)	P	n-Nitroso-di-n...	1.058	1.158	1.107	1.092	0.981	0.879	0.860	0.783	0.990	13.71
20)		3+4-Methylphenols		1.744	1.677	1.652	1.398	1.240			1.542	13.88
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.583	0.566	0.556	0.504	0.454	0.451	0.416	0.504	13.03
23)	S	Nitrobenzene-d5		0.437	0.442	0.460	0.436	0.398	0.400	0.379	0.422	6.98
24)		Nitrobenzene		0.459	0.468	0.500	0.468	0.427	0.431	0.403	0.451	7.25
25)		Isophorone		0.832	0.822	0.876	0.825	0.757	0.783	0.763	0.808	5.25
26)	C	2-Nitrophenol		0.194	0.201	0.221	0.210	0.193	0.193	0.180	0.199	6.68
27)		2,4-Dimethylph...		0.336	0.340	0.350	0.325	0.291	0.289	0.267	0.314	10.04
28)		bis(2-Chloroet...		0.508	0.500	0.517	0.487	0.444	0.439	0.414	0.473	8.41
29)	C	2,4-Dichloroph...		0.327	0.332	0.351	0.325	0.295	0.290	0.266	0.312	9.43
30)		1,2,4-Trichlor...		0.357	0.360	0.375	0.351	0.319	0.317	0.294	0.339	8.60
31)		Naphthalene		1.151	1.139	1.173	1.029	0.929	0.910	0.835	1.024	13.16
32)		Benzoic acid			0.141	0.214	0.251	0.246	0.261	0.250	0.227	19.92
33)		4-Chloroaniline		0.447	0.463	0.495	0.458	0.415	0.408	0.386	0.439	8.57
34)	C	Hexachlorobuta...		0.223	0.226	0.236	0.224	0.206	0.205	0.189	0.215	7.34
35)		Caprolactam		0.099	0.100	0.113	0.111	0.100	0.102	0.096	0.103	6.17
36)	C	4-Chloro-3-met...		0.350	0.360	0.376	0.358	0.324	0.326	0.306	0.343	7.19
37)		2-Methylnaphth...		0.781	0.774	0.782	0.708	0.636	0.629	0.575	0.698	12.22
38)		1-Methylnaphth...		0.727	0.728	0.733	0.654	0.595	0.591	0.536	0.652	12.24

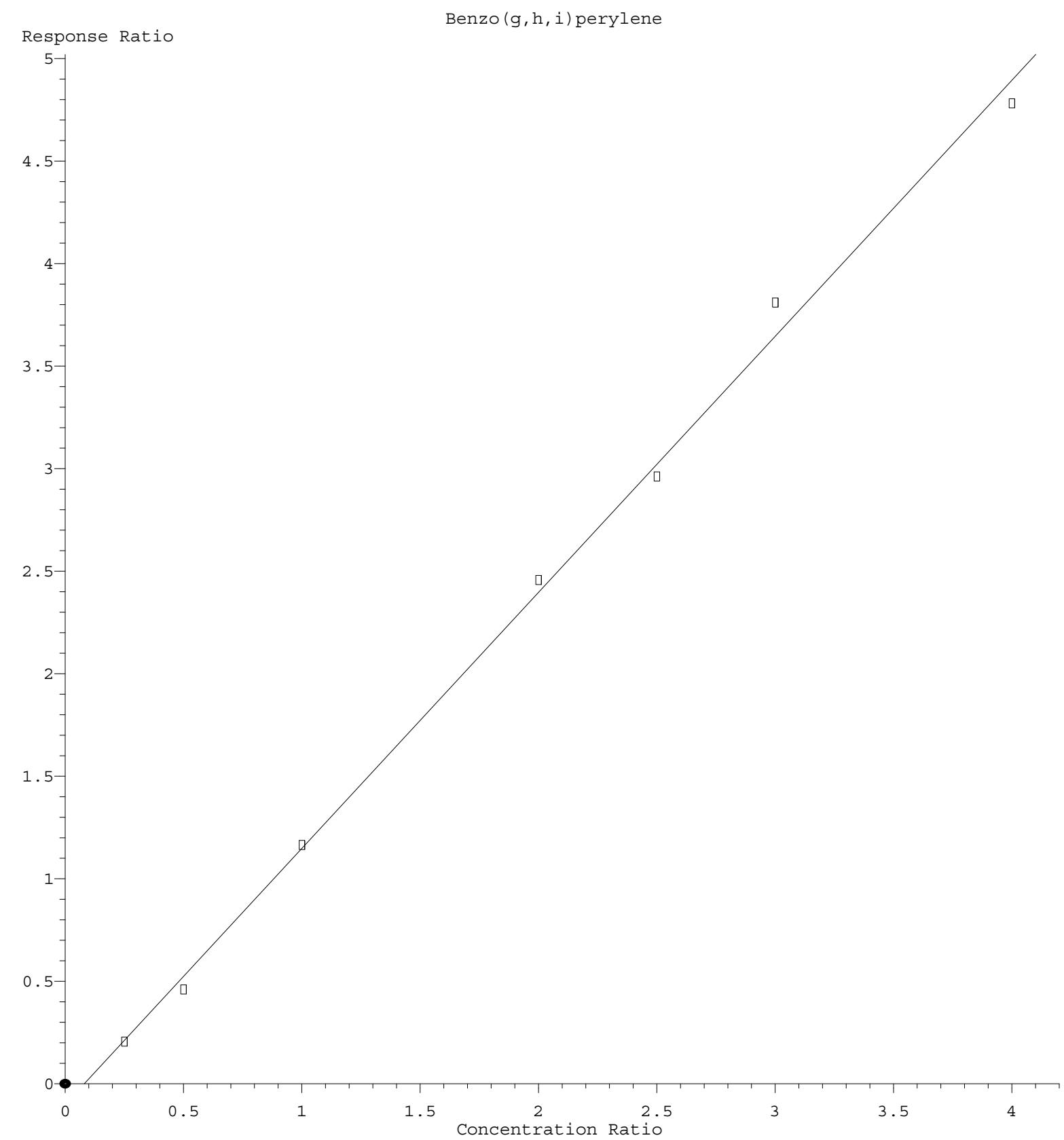
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022223.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.704	0.706	0.730	0.670	0.618	0.600	0.552	0.654	10.01
41)	P	Hexachlorocycl...	0.250	0.321	0.382	0.406	0.378	0.381	0.368	0.355	14.95
42)	S	2,4,6-Tribromo...	0.222	0.227	0.237	0.225	0.202	0.207	0.192	0.216	7.39
43)	C	2,4,6-Trichlor...	0.445	0.462	0.496	0.463	0.424	0.421	0.393	0.443	7.65
44)		2,4,5-Trichlor...	0.521	0.534	0.584	0.544	0.496	0.491	0.453	0.518	8.19
45)	S	2-Fluorobiphenyl	1.530	1.487	1.434	1.236	1.112	1.082		1.313	14.91
46)		1,1'-Biphenyl	1.701	1.683	1.709	1.538	1.388	1.345	1.232	1.514	12.82
47)		2-Chloronaphth...	1.300	1.316	1.365	1.222	1.109	1.083	1.006	1.200	11.31
48)		2-Nitroaniline	0.444	0.449	0.486	0.463	0.425	0.424	0.403	0.442	6.26
49)		Acenaphthylene	2.128	2.137	2.161	1.945	1.774	1.690	1.536	1.910	13.00
50)		Dimethylphthalate	1.547	1.560	1.611	1.486	1.356	1.358	1.276	1.456	8.68
51)		2,6-Dinitrotol...	0.332	0.348	0.375	0.348	0.319	0.310	0.290	0.332	8.50
52)	C	Acenaphthene	1.280	1.300	1.368	1.253	1.129	1.123	1.038	1.213	9.74
53)		3-Nitroaniline	0.369	0.377	0.416	0.390	0.360	0.354	0.330	0.371	7.44
54)	P	2,4-Dinitrophenol		0.139	0.183	0.222	0.208	0.212	0.202	0.195	15.41
55)		Dibenzofuran	1.992	1.997	2.019	1.793	1.598	1.568	1.410	1.768	13.90
56)	P	4-Nitrophenol	0.244	0.261	0.312	0.302	0.278	0.278	0.262	0.277	8.63
57)		2,4-Dinitrotol...	0.447	0.459	0.496	0.463	0.426	0.419	0.378	0.441	8.51
58)		Fluorene	1.552	1.513	1.515	1.370	1.216	1.202	1.100	1.353	13.41
59)		2,3,4,6-Tetrac...	0.365	0.392	0.434	0.410	0.374	0.371	0.344	0.384	7.88
60)		Diethylphthalate	1.516	1.526	1.593	1.473	1.338	1.301	1.209	1.422	9.89
61)		4-Chlorophenyl...	0.777	0.781	0.810	0.709	0.634	0.632	0.568	0.702	13.17
62)		4-Nitroaniline	0.352	0.372	0.406	0.387	0.350	0.354	0.329	0.364	7.07
63)		Azobenzene	1.599	1.627	1.688	1.565	1.415	1.384	1.266	1.506	10.17
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.111	0.126	0.151	0.150	0.140	0.139	0.131	0.135	10.42
66)	c	n-Nitrosodiphe...	0.678	0.674	0.696	0.638	0.580	0.565	0.534	0.624	10.19
67)		4-Bromophenyl-...	0.237	0.236	0.251	0.233	0.214	0.213	0.199	0.226	7.92
68)		Hexachlorobenzene	0.254	0.249	0.262	0.245	0.224	0.221	0.211	0.238	8.10
69)		Atrazine	0.205	0.207	0.216	0.202	0.181	0.180	0.170	0.195	8.91
70)	C	Pentachlorophenol		0.107	0.146	0.158	0.147	0.147	0.144	0.142	12.60
71)		Phenanthrene	1.161	1.145	1.174	1.047	0.949	0.919	0.858	1.036	12.45
72)		Anthracene	1.200	1.179	1.209	1.078	0.981	0.941	0.880	1.067	12.62
73)		Carbazole	1.079	1.056	1.090	0.977	0.880	0.853	0.799	0.962	12.31
74)		Di-n-butylphth...	1.228	1.217	1.283	1.166	1.041	1.027	0.936	1.128	11.33
75)	C	Fluoranthene	1.273	1.265	1.289	1.157	1.034	1.003	0.907	1.133	13.47
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.422	0.441	0.470	0.604	0.534	0.492	0.446	0.487	13.05
78)		Pyrene	1.714	1.714	1.884	1.935	1.806	1.876	1.799	1.818	4.68
79)	S	Terphenyl-d14	1.197	1.166	1.234	1.230	1.147	1.186	1.121	1.183	3.54
80)		Butylbenzylpht...	0.662	0.670	0.770	0.786	0.715	0.736	0.683	0.718	6.79
81)		Benzo(a)anthra...	1.491	1.512	1.610	1.583	1.433	1.459	1.386	1.496	5.33
82)		3,3'-Dichlorob...	0.476	0.473	0.478	0.454	0.417	0.404	0.387	0.441	8.53
83)		Chrysene	1.467	1.445	1.505	1.430	1.314	1.346	1.288	1.399	5.93
84)		Bis(2-ethylhex...	0.844	0.879	0.956	0.959	0.859	0.865	0.809	0.881	6.38
85)	c	Di-n-octyl pht...	1.232	1.279	1.364	1.369	1.250	1.248	1.275	1.288	4.35

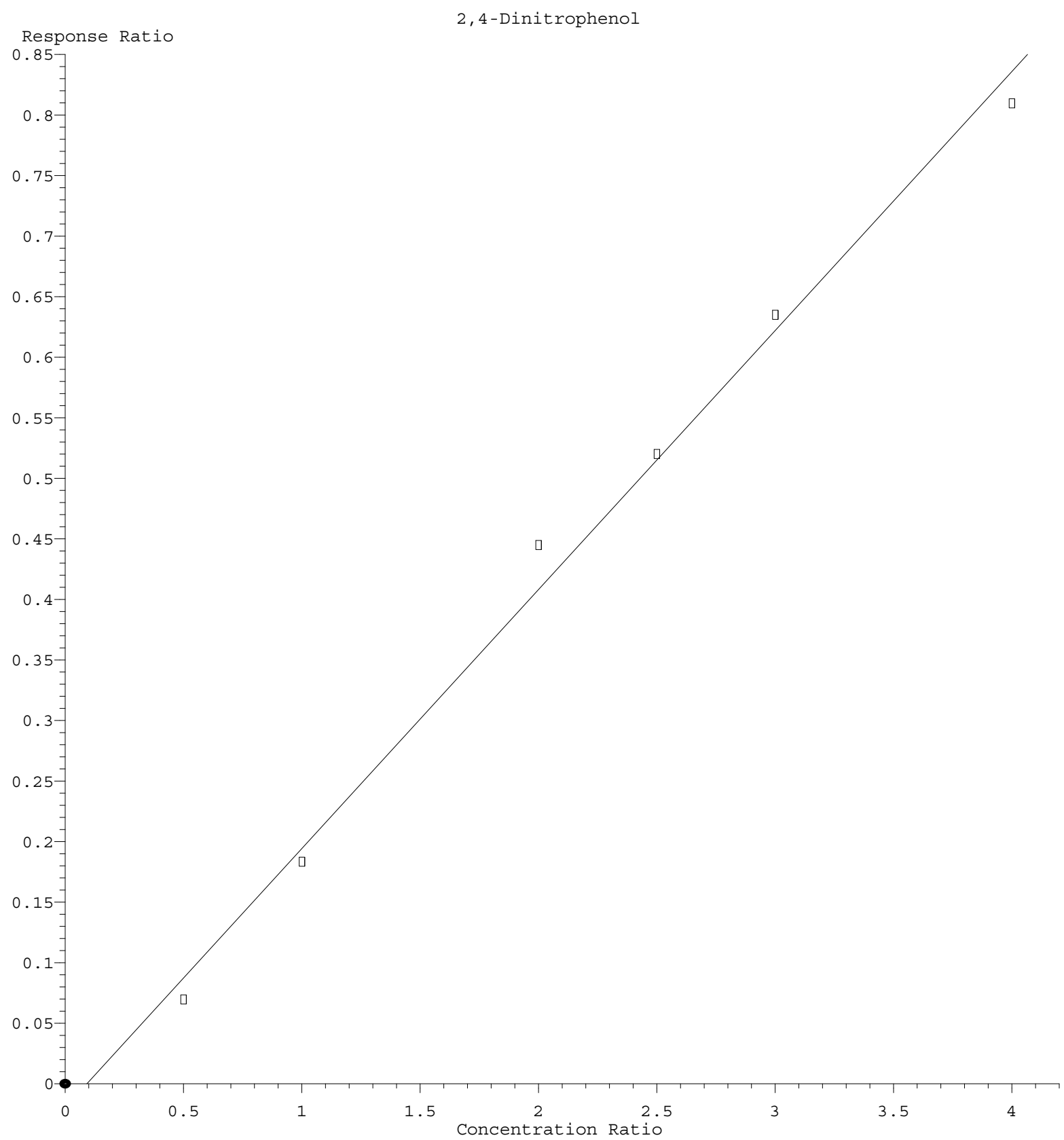
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022223.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.015	1.116	1.372	1.439	1.396	1.460	1.376	1.310	13.21
88)		Benzo(b)fluora...	1.387	1.394	1.535	1.389	1.243	1.229	1.205	1.340	8.93
89)		Benzo(k)fluora...	1.434	1.423	1.435	1.345	1.208	1.230	1.107	1.312	10.00
90)	C	Benzo(a)pyrene	1.284	1.274	1.362	1.311	1.206	1.208	1.136	1.254	6.06
91)		Dibenzo(a,h)an...	0.849	0.919	1.128	1.184	1.132	1.171	1.091	1.068	12.23
92)		Benzo(g,h,i)pe...	0.821	0.919	1.164	1.228	1.185	1.270	1.195	1.112	15.36

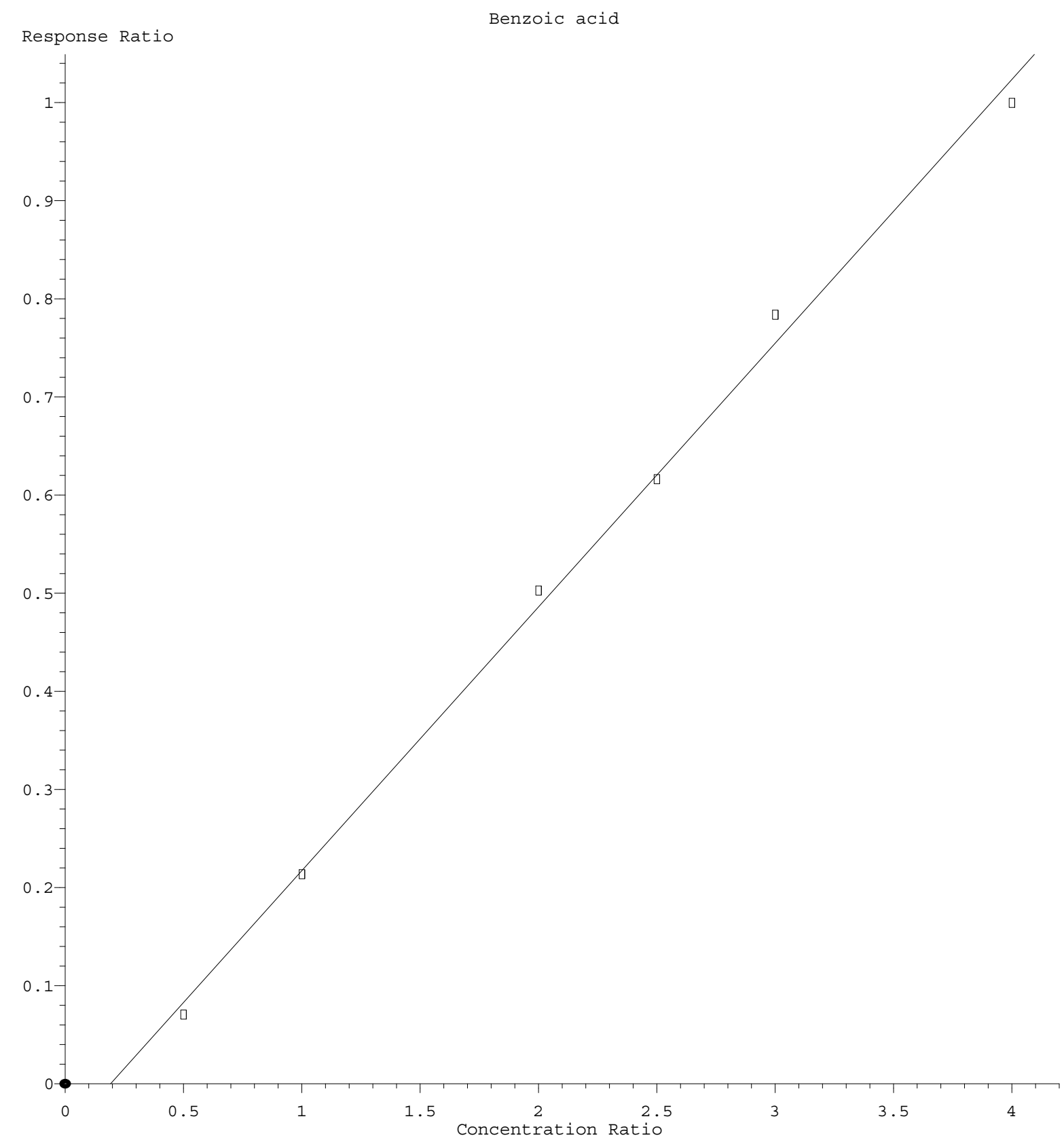
(#) = Out of Range



Response = 1.249e+000 * Amt - 1.008e-001
Coef of Det (r^2) = 0.997144 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022223.M
Calibration Table Last Updated: Thu Feb 23 00:59:42 2023



Response = 2.139e-001 * Amt - 1.973e-002
Coef of Det (r^2) = 0.993063 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022223.M
Calibration Table Last Updated: Thu Feb 23 00:59:42 2023



Response = 2.689e-001 * Amt - 5.157e-002
Coef of Det (r^2) = 0.996910 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022223.M
Calibration Table Last Updated: Thu Feb 23 00:59:42 2023