Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF062824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Jun 29 02:44:30 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF138384.D 5 =BF138385.D 10 =BF138386.D 20 =BF138387.D 40 =BF138388.D 50 =BF138389.D 60 =BF138390.D 80 =BF1383
91.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.584	0.602	0.607	0.570	0.540	0.547	0.527	0.568	5.43
3)		Pyridine		1.341	1.327	1.393	1.390	1.329	1.371	1.338	1.356	2.09
4)		n-Nitrosodimet...		0.837	0.867	0.885	0.866	0.823	0.837	0.805	0.846	3.32
5)	S	2-Fluorophenol		1.348	1.330	1.319	1.198	1.111	1.104	1.035	1.206	10.55
6)		Aniline		1.713	1.682	1.691	1.564	1.511	1.520	1.421	1.586	7.00
7)	S	Phenol-d6		1.841	1.792	1.736	1.600	1.506	1.497	1.402	1.625	10.29
8)		2-Chlorophenol		1.464	1.409	1.406	1.280	1.205	1.202	1.099	1.295	10.44
9)		Benzaldehyde			1.192	1.128	0.958	0.876	0.860		1.003	14.94
10)	C	Phenol		1.953	1.909	1.867	1.696	1.591	1.593	1.509	1.731	10.24
11)		bis(2-Chloroet...		1.505	1.430	1.456	1.352	1.285	1.290	1.200	1.360	8.02
12)		1,3-Dichlorobe...		1.688	1.631	1.587	1.478	1.371	1.357	1.269	1.483	10.62
13)	C	1,4-Dichlorobe...		1.711	1.639	1.604	1.460	1.372	1.365	1.258	1.487	11.28
14)		1,2-Dichlorobe...		1.623	1.538	1.528	1.347	1.252	1.220	1.100	1.373	14.18
15)		Benzyl Alcohol		1.306	1.239	1.266	1.175	1.094	1.077	0.991	1.164	9.83
16)		2,2'-oxybis(1-...		3.061	2.979	2.978	2.719	2.568	2.550	2.342	2.743	9.89
17)		2-Methylphenol		1.176	1.156	1.134	1.062	1.005	1.021	0.958	1.073	7.80
18)		Hexachloroethane		0.580	0.574	0.568	0.543	0.508	0.511	0.470	0.536	7.71
19)	P	n-Nitroso-di-n...	1.103	1.139	1.109	1.073	0.998	0.933	0.937	0.903	1.024	9.04
20)		3+4-Methylphenols			1.484	1.416	1.255	1.153	1.137	1.037	1.247	13.89
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.535	0.502	0.484	0.437	0.411	0.416	0.392	0.454	11.79
23)	S	Nitrobenzene-d5		0.410	0.403	0.405	0.383	0.367	0.373	0.355	0.385	5.53
24)		Nitrobenzene		0.421	0.412	0.414	0.389	0.377	0.375	0.353	0.392	6.36
25)		Isophorone		0.772	0.752	0.739	0.693	0.666	0.684	0.662	0.710	6.22
26)	C	2-Nitrophenol		0.147	0.165	0.178	0.176	0.171	0.176	0.168	0.169	6.32
27)		2,4-Dimethylph...		0.228	0.226	0.229	0.215	0.205	0.212	0.199	0.216	5.46
28)		bis(2-Chloroet...		0.478	0.456	0.453	0.420	0.398	0.406	0.381	0.427	8.30
29)	C	2,4-Dichloroph...		0.297	0.299	0.298	0.278	0.262	0.263	0.247	0.278	7.51
30)		1,2,4-Trichlor...		0.366	0.352	0.345	0.318	0.298	0.301	0.280	0.323	9.93
31)		Naphthalene		1.168	1.123	1.095	0.991	0.921	0.924	0.854	1.011	11.76
32)		Benzoic acid			0.128	0.169	0.189	0.199	0.210	0.201	0.183	16.52
33)		4-Chloroaniline		0.396	0.370	0.377	0.345	0.332	0.340	0.312	0.353	8.27
34)	C	Hexachlorobuta...		0.221	0.213	0.207	0.191	0.182	0.178	0.165	0.194	10.55
35)		Caprolactam		0.091	0.091	0.093	0.087	0.082	0.087	0.083	0.088	4.63
36)	C	4-Chloro-3-met...		0.324	0.317	0.318	0.288	0.277	0.277	0.268	0.296	7.89
37)		2-Methylnaphth...		0.771	0.735	0.716	0.632	0.591	0.588	0.542	0.653	13.30
38)		1-Methylnaphth...		0.749	0.722	0.684	0.617	0.573	0.567	0.525	0.634	13.49

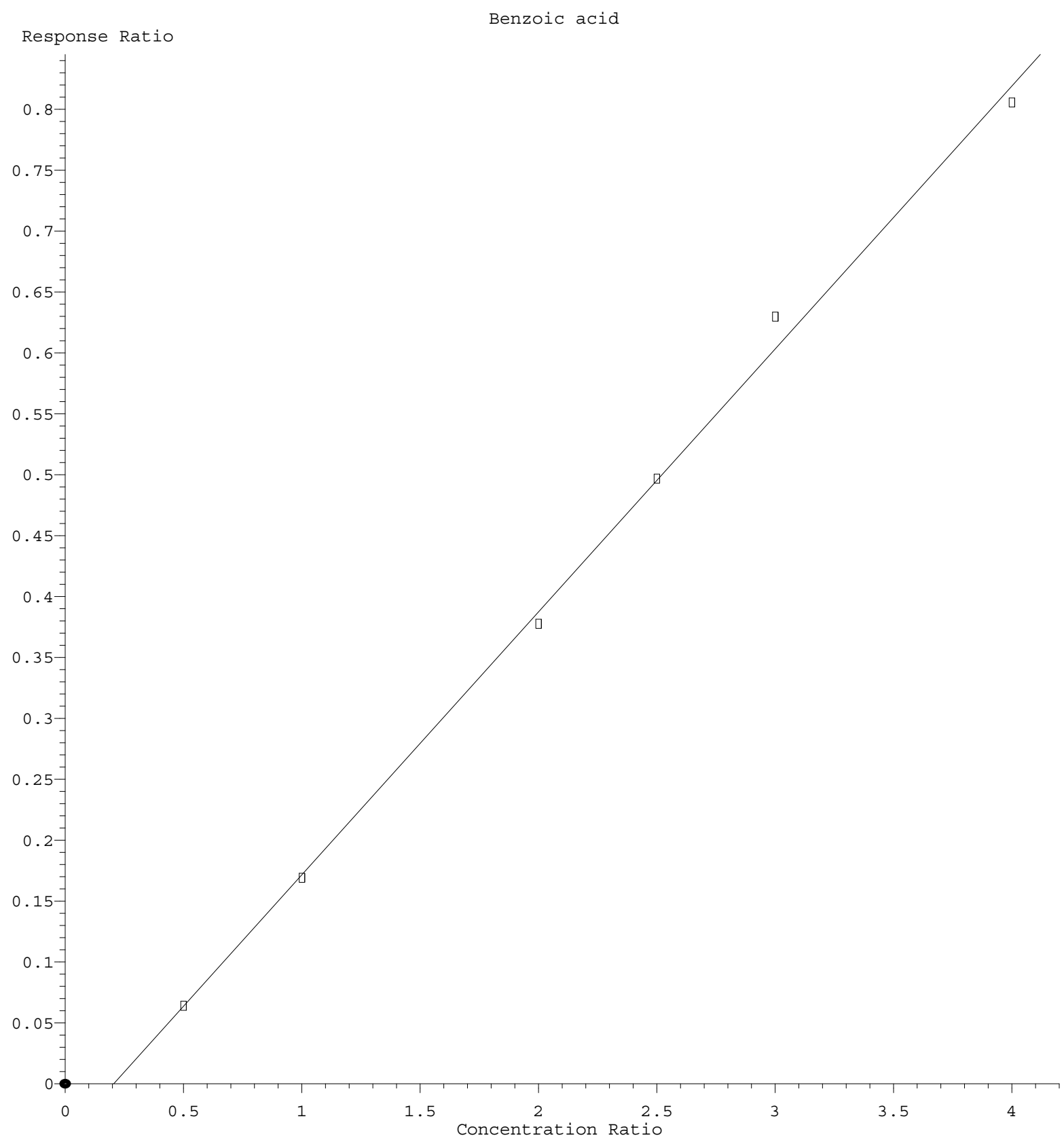
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF062824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.633	0.608	0.597	0.541	0.513	0.511	0.469	0.553	10.97
41)	P	Hexachlorocycl...		0.118	0.161	0.173	0.176	0.179	0.171	0.163	14.17
42)	S	2,4,6-Tribromo...	0.172	0.176	0.181	0.163	0.153	0.155	0.144	0.163	8.29
43)	C	2,4,6-Trichlor...	0.364	0.360	0.382	0.356	0.340	0.342	0.319	0.352	5.76
44)		2,4,5-Trichlor...	0.404	0.405	0.410	0.385	0.367	0.366	0.343	0.383	6.57
45)	S	2-Fluorobiphenyl		1.490	1.411	1.203	1.108	1.072		1.257	14.73
46)		1,1'-Biphenyl	1.747	1.657	1.642	1.465	1.358	1.346	1.239	1.493	12.79
47)		2-Chloronaphth...	1.297	1.231	1.240	1.114	1.056	1.060	0.973	1.139	10.44
48)		2-Nitroaniline	0.349	0.370	0.392	0.369	0.363	0.379	0.349	0.367	4.25
49)		Acenaphthylene	1.863	1.765	1.759	1.556	1.474	1.474	1.318	1.601	12.36
50)		Dimethylphthalate	1.445	1.364	1.396	1.241	1.184	1.214	1.153	1.285	8.92
51)		2,6-Dinitrotol...	0.289	0.305	0.316	0.287	0.279	0.278	0.263	0.288	6.11
52)	C	Acenaphthene	1.224	1.187	1.192	1.077	1.014	1.032	0.950	1.096	9.59
53)		3-Nitroaniline	0.288	0.295	0.308	0.283	0.276	0.281	0.260	0.284	5.26
54)	P	2,4-Dinitrophenol		0.037	0.074	0.098	0.109	0.122	0.122	0.094	35.19
55)		Dibenzofuran	1.790	1.675	1.678	1.468	1.368	1.356	1.239	1.511	13.60
56)	P	4-Nitrophenol		0.152	0.188	0.191	0.188	0.199	0.188	0.184	8.84
57)		2,4-Dinitrotol...	0.334	0.360	0.394	0.366	0.349	0.355	0.324	0.354	6.40
58)		Fluorene	1.406	1.337	1.284	1.104	1.050	1.021		1.200	13.53
59)		2,3,4,6-Tetrac...	0.276	0.295	0.315	0.290	0.276	0.277	0.262	0.284	6.00
60)		Diethylphthalate	1.372	1.306	1.318	1.168	1.110	1.115	1.023	1.202	10.87
61)		4-Chlorophenyl...	0.695	0.675	0.663	0.565	0.530	0.526		0.609	12.68
62)		4-Nitroaniline	0.243	0.259	0.287	0.265	0.260	0.267	0.246	0.261	5.57
63)		Azobenzene	1.404	1.383	1.373	1.248	1.187	1.181	1.107	1.269	9.27
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.057	0.083	0.100	0.108	0.115	0.111	0.096	23.06
66)	c	n-Nitrosodiphe...	0.711	0.694	0.661	0.599	0.570	0.579	0.532	0.621	10.95
67)		4-Bromophenyl-...	0.241	0.239	0.229	0.209	0.202	0.200	0.186	0.215	9.96
68)		Hexachlorobenzene	0.281	0.258	0.250	0.228	0.219	0.220	0.203	0.237	11.44
69)		Atrazine	0.202	0.196	0.191	0.182	0.156	0.153	0.138	0.174	14.22
70)	C	Pentachlorophenol		0.091	0.119	0.128	0.127	0.133	0.123	0.120	12.36
71)		Phenanthrene	1.118	1.068	1.063	0.954	0.911	0.906	0.816	0.976	11.16
72)		Anthracene	1.105	1.075	1.057	0.954	0.906	0.897	0.822	0.974	10.96
73)		Carbazole	0.884	0.861	0.896	0.804	0.765	0.770	0.680	0.808	9.57
74)		Di-n-butylphth...	1.084	1.101	1.123	1.023	0.979	0.980	0.883	1.025	8.27
75)	C	Fluoranthene	0.957	0.947	0.975	0.880	0.820	0.827	0.724	0.875	10.42
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.264	0.132	0.193	0.032	0.203	0.224	0.071	0.160	52.89
78)		Pyrene	2.334	2.327	2.350	2.137	1.995	2.022	1.799	2.138	9.89
79)	S	Terphenyl-d14		1.716	1.680	1.492	1.339	1.340	1.189	1.459	14.28
80)		Butylbenzylpht...	0.577	0.639	0.732	0.685	0.656	0.667	0.597	0.650	8.07
81)		Benzo(a)anthra...	1.388	1.347	1.347	1.271	1.239	1.253	1.166	1.287	6.00
82)		3,3'-Dichlorob...	0.399	0.394	0.400	0.355	0.374	0.390	0.350	0.380	5.53
83)		Chrysene	1.377	1.289	1.324	1.218	1.200	1.206	1.155	1.253	6.32
84)		Bis(2-ethylhex...	0.797	0.817	0.882	0.835	0.804	0.821	0.754	0.816	4.77
85)	c	Di-n-octyl pht...	1.425	1.426	1.477	1.412	1.420	1.443	1.391	1.428	1.89

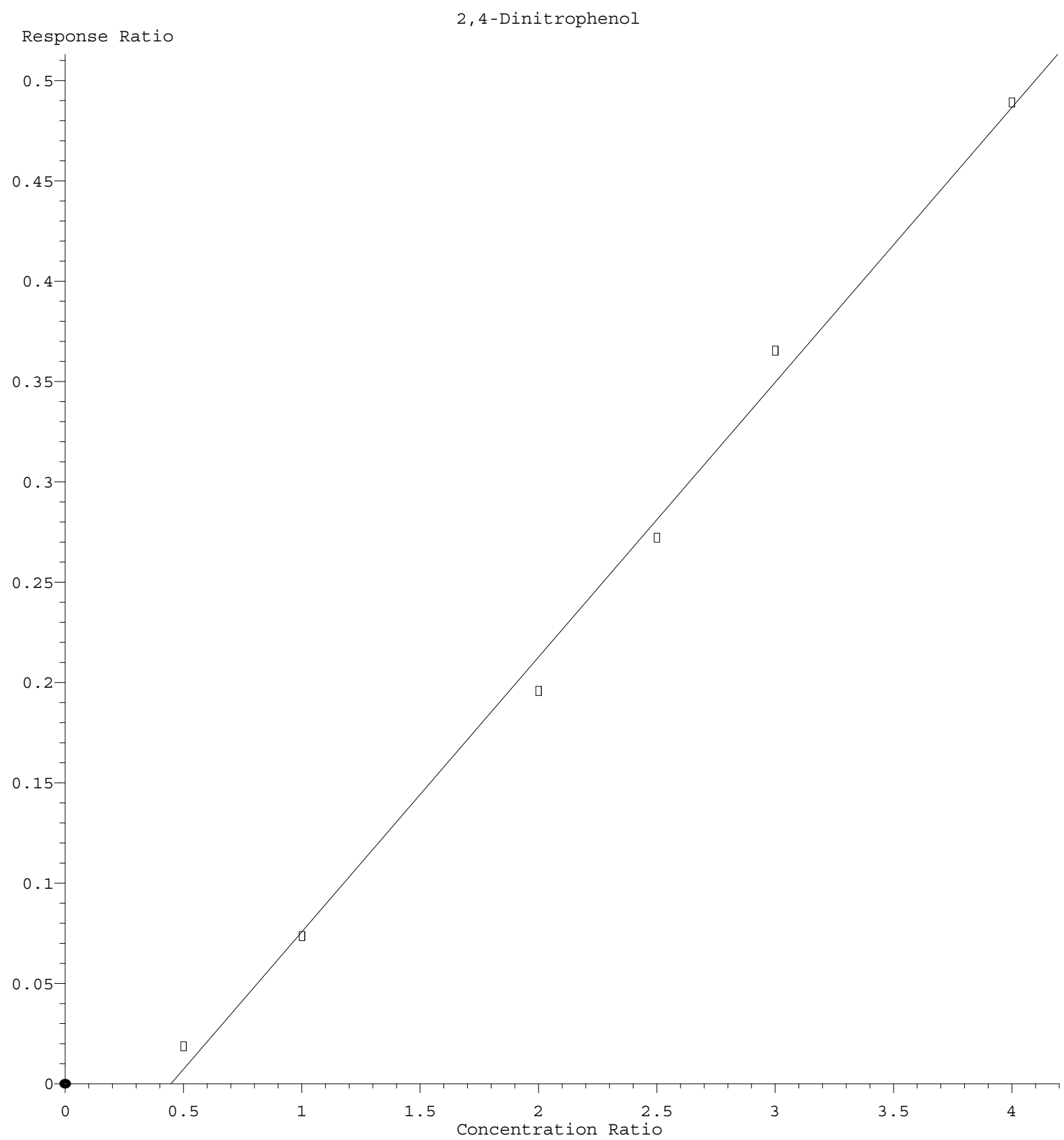
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF062824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.919	0.922	1.034	1.041	1.024	1.063	1.031	1.005	5.85
88)		Benzo(b)fluora...	1.198	1.123	1.211	1.045	1.067	1.015	1.023	1.097	7.42
89)		Benzo(k)fluora...	1.095	1.089	1.034	1.013	0.933	0.997	0.915	1.011	6.90
90)	C	Benzo(a)pyrene	1.007	1.005	1.007	0.943	0.923	0.939	0.910	0.962	4.44
91)		Dibenzo(a,h)an...	0.722	0.748	0.839	0.857	0.819	0.864	0.829	0.811	6.75
92)		Benzo(g,h,i)pe...	0.728	0.729	0.795	0.831	0.810	0.839	0.822	0.794	5.88

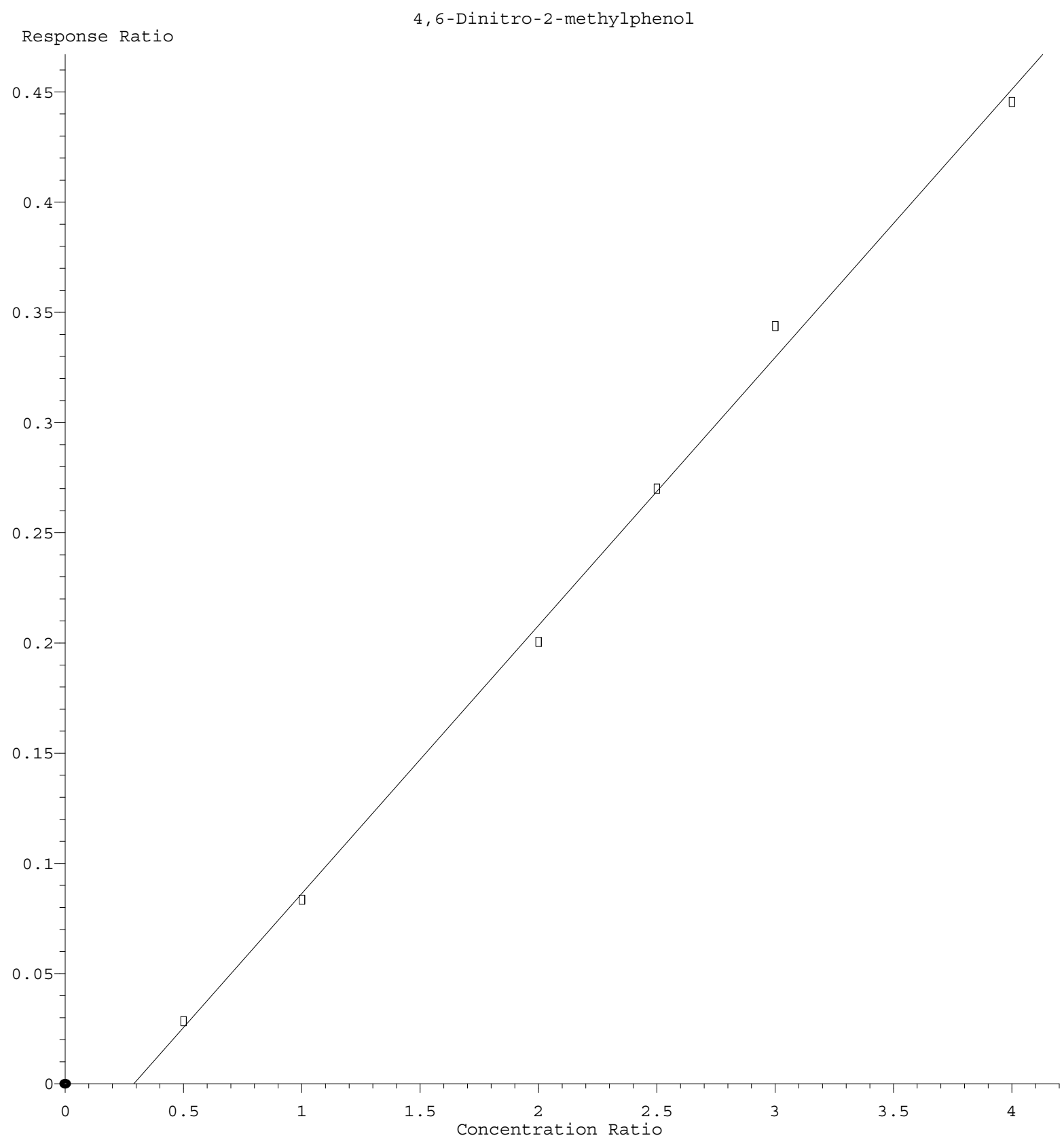
(#) = Out of Range



Response = 2.160e-001 * Amt - 4.428e-002
Coef of Det (r^2) = 0.997474 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF062824.M
Calibration Table Last Updated: Sat Jun 29 02:44:30 2024



Response = 1.371e-001 * Amt - 6.120e-002
Coef of Det (r^2) = 0.995203 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF062824.M
Calibration Table Last Updated: Sat Jun 29 02:44:30 2024



Response = 1.218e-001 * Amt - 3.532e-002
Coef of Det (r^2) = 0.997510 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF062824.M
Calibration Table Last Updated: Sat Jun 29 02:44:30 2024