Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG122923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Dec 30 03:14:04 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG060176.D 5 =BG060177.D 10 =BG060178.D 20 =BG060179.D 40 =BG060180.D 50 =BG060181.D 60 =BG060182.D 80 =BG0601
83.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	0.614	0.583	0.558	0.596	0.604	0.589	0.590	3.02
3)		Pyridine		1.401	1.571	1.634	1.579	1.804	1.845	1.871	1.672	10.37
4)		n-Nitrosodimet...		0.601	0.574	0.605	0.583	0.659	0.666	0.677	0.624	6.83
5)	S	2-Fluorophenol		1.205	1.260	1.287	1.265	1.413	1.440	1.404	1.325	6.94
6)		Aniline		1.654	1.854	1.946	2.004	2.232	2.040	2.070	1.971	9.23
7)	S	Phenol-d6		1.723	1.931	2.000	1.950	2.220	1.980	1.967	1.967	7.37
8)		2-Chlorophenol		1.132	1.238	1.295	1.246	1.410	1.282	1.311	1.273	6.62
9)		Benzaldehyde		1.273	1.301	1.310	1.112	1.254	1.095	0.935	1.183	11.82
10)	C	Phenol		1.804	1.894	1.996	1.959	2.184	2.026	2.026	1.984	5.99
11)		bis(2-Chloroet...		1.455	1.632	1.622	1.548	1.766	1.596	1.619	1.605	5.86
12)		1,3-Dichlorobe...		1.657	1.624	1.592	1.535	1.517	1.545	1.535	1.572	3.36
13)	C	1,4-Dichlorobe...		1.720	1.632	1.587	1.532	1.534	1.563	1.557	1.589	4.21
14)		1,2-Dichlorobe...		1.546	1.662	1.607	1.381	1.545	1.582	1.555	1.554	5.60
15)		Benzyl Alcohol		1.045	1.135	1.219	1.131	1.300	1.345	1.373	1.221	10.11
16)		2,2'-oxybis(1-...		2.068	2.156	2.158	1.821	2.032	2.103	2.085	2.060	5.57
17)		2-Methylphenol		1.055	1.233	1.293	1.147	1.307	1.323	1.338	1.242	8.51
18)		Hexachloroethane		0.465	0.495	0.518	0.453	0.507	0.536	0.530	0.501	6.38
19)	P	n-Nitroso-di-n...	1.146	1.329	1.356	1.406	1.240	1.395	1.435	1.445	1.344	7.72
20)		3+4-Methylphenols		1.530	1.749	1.805	1.626	1.830	1.894	1.891	1.761	7.80
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.563	0.571	0.659	0.586	0.582	0.596	0.590	0.593	5.30
23)	S	Nitrobenzene-d5		0.388	0.405	0.468	0.441	0.434	0.451	0.443	0.433	6.30
24)		Nitrobenzene		0.398	0.409	0.447	0.453	0.457	0.468	0.470	0.443	6.41
25)		Isophorone		0.904	0.889	0.932	0.916	0.902	0.909	0.890	0.906	1.66
26)	C	2-Nitrophenol		0.121	0.134	0.145	0.162	0.166	0.174	0.179	0.155	13.81
27)		2,4-Dimethylph...		0.215	0.202	0.216	0.219	0.220	0.227	0.233	0.219	4.51
28)		bis(2-Chloroet...		0.514	0.515	0.550	0.532	0.529	0.544	0.530	0.531	2.53
29)	C	2,4-Dichloroph...		0.283	0.322	0.350	0.363	0.361	0.373	0.369	0.346	9.36
30)		1,2,4-Trichlor...		0.430	0.422	0.420	0.422	0.415	0.422	0.419	0.421	1.07
31)		Naphthalene		1.110	1.067	1.066	1.049	1.032	1.049	1.018	1.056	2.80
32)		Benzoic acid			0.039	0.115	0.172	0.190	0.213	0.219	0.158	43.85
33)		4-Chloroaniline		0.372	0.381	0.409	0.427	0.418	0.441	0.439	0.412	6.54
34)	C	Hexachlorobuta...		0.259	0.247	0.255	0.248	0.243	0.255	0.247	0.251	2.30
35)		Caprolactam		0.108	0.104	0.114	0.117	0.118	0.122	0.124	0.115	6.17
36)	C	4-Chloro-3-met...		0.322	0.307	0.361	0.373	0.369	0.380	0.383	0.356	8.35
37)		2-Methylnaphth...		0.746	0.686	0.787	0.790	0.768	0.797	0.765	0.763	5.02
38)		1-Methylnaphth...		0.779	0.705	0.787	0.785	0.781	0.794	0.767	0.771	3.91

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.651	0.635	0.641	0.625	0.636	0.660	0.637	0.641	1.81
41)	P	Hexachlorocycl...	0.172	0.175	0.207	0.208	0.224	0.232	0.231	0.207	12.14
42)	S	2,4,6-Tribromo...	0.223	0.267	0.277	0.279	0.278	0.281	0.271	0.268	7.66
43)	C	2,4,6-Trichlor...	0.366	0.389	0.426	0.426	0.439	0.447	0.453	0.421	7.64
44)		2,4,5-Trichlor...	0.404	0.424	0.473	0.482	0.500	0.508	0.506	0.471	8.77
45)	S	2-Fluorobiphenyl	1.568	1.563	1.527	1.401	1.338	1.244	1.100	1.392	12.75
46)		1,1'-Biphenyl	1.520	1.505	1.507	1.489	1.473	1.438	1.369	1.471	3.58
47)		2-Chloronaphth...	1.263	1.270	1.265	1.245	1.265	1.255	1.214	1.254	1.55
48)		2-Nitroaniline	0.241	0.279	0.324	0.342	0.361	0.372	0.375	0.328	15.47
49)		Acenaphthylene	1.815	1.844	1.889	1.838	1.828	1.779	1.651	1.806	4.21
50)		Dimethylphthalate	1.637	1.570	1.609	1.561	1.545	1.484	1.404	1.544	5.10
51)		2,6-Dinitrotol...	0.261	0.291	0.314	0.337	0.343	0.347	0.355	0.321	10.80
52)	C	Acenaphthene	1.117	1.149	1.137	1.137	1.133	1.135	1.083	1.127	1.92
53)		3-Nitroaniline	0.260	0.259	0.293	0.323	0.323	0.331	0.329	0.303	10.58
54)	P	2,4-Dinitrophenol		0.079	0.119	0.154	0.172	0.177	0.192	0.149	28.56
55)		Dibenzofuran	2.031	1.998	1.972	1.887	1.876	1.798	1.654	1.888	6.94
56)	P	4-Nitrophenol	0.173	0.185	0.214	0.247	0.254	0.263	0.266	0.229	16.63
57)		2,4-Dinitrotol...	0.354	0.390	0.423	0.460	0.470	0.480	0.480	0.437	11.36
58)		Fluorene	1.493	1.660	1.631	1.582	1.551	1.511	1.412	1.549	5.51
59)		2,3,4,6-Tetrac...	0.334	0.396	0.421	0.422	0.438	0.430	0.432	0.410	8.86
60)		Diethylphthalate	1.449	1.513	1.569	1.478	1.488	1.457	1.355	1.473	4.45
61)		4-Chlorophenyl...	0.762	0.832	0.851	0.808	0.809	0.809	0.773	0.806	3.87
62)		4-Nitroaniline	0.255	0.288	0.313	0.342	0.342	0.352	0.341	0.319	11.30
63)		Azobenzene	1.462	1.590	1.615	1.560	1.541	1.508	1.412	1.527	4.70
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.070	0.091	0.101	0.107	0.112	0.119	0.100	17.51
66)	c	n-Nitrosodiphe...	0.503	0.539	0.565	0.543	0.547	0.548	0.528	0.539	3.58
67)		4-Bromophenyl-...	0.209	0.205	0.217	0.209	0.212	0.216	0.217	0.212	2.34
68)		Hexachlorobenzene	0.246	0.246	0.252	0.247	0.250	0.251	0.247	0.249	0.95
69)		Atrazine	0.200	0.196	0.207	0.194	0.196	0.201	0.192	0.198	2.56
70)	C	Pentachlorophenol	0.095	0.113	0.134	0.146	0.152	0.157	0.159	0.137	17.73
71)		Phenanthrene	1.090	1.074	1.080	0.998	0.942	0.910	0.826	0.989	10.17
72)		Anthracene	1.047	1.056	1.075	0.996	0.953	0.921	0.827	0.982	9.03
73)		Carbazole	1.023	1.009	0.992	0.938	0.891	0.870	0.797	0.931	8.95
74)		Di-n-butylphth...	0.954	0.937	1.023	0.928	0.881	0.845	0.750	0.903	9.71
75)	C	Fluoranthene	1.391	1.329	1.297	1.148	1.074	1.002	0.877	1.160	16.26
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.466	0.528	0.613	0.563	0.600	0.579	0.526	0.554	9.19
78)		Pyrene	1.479	1.536	1.515	1.344	1.290	1.190	1.058	1.344	13.34
79)	S	Terphenyl-d14	1.218	1.207	1.109	0.867	0.801			1.040	18.70
80)		Butylbenzylpht...	0.326	0.340	0.388	0.406	0.427	0.444	0.445	0.396	12.11
81)		Benzo(a)anthra...	1.367	1.369	1.368	1.277	1.249	1.197	1.075	1.272	8.64
82)		3,3'-Dichlorob...	0.418	0.446	0.467	0.467	0.479	0.487	0.471	0.462	5.05
83)		Chrysene	1.340	1.337	1.342	1.225	1.207	1.152	1.046	1.235	9.12
84)		Bis(2-ethylhex...	0.513	0.540	0.612	0.612	0.645	0.655	0.632	0.601	8.97
85)	c	Di-n-octyl pht...	0.831	0.876	1.032	1.024	1.054	1.066	1.006	0.984	9.39

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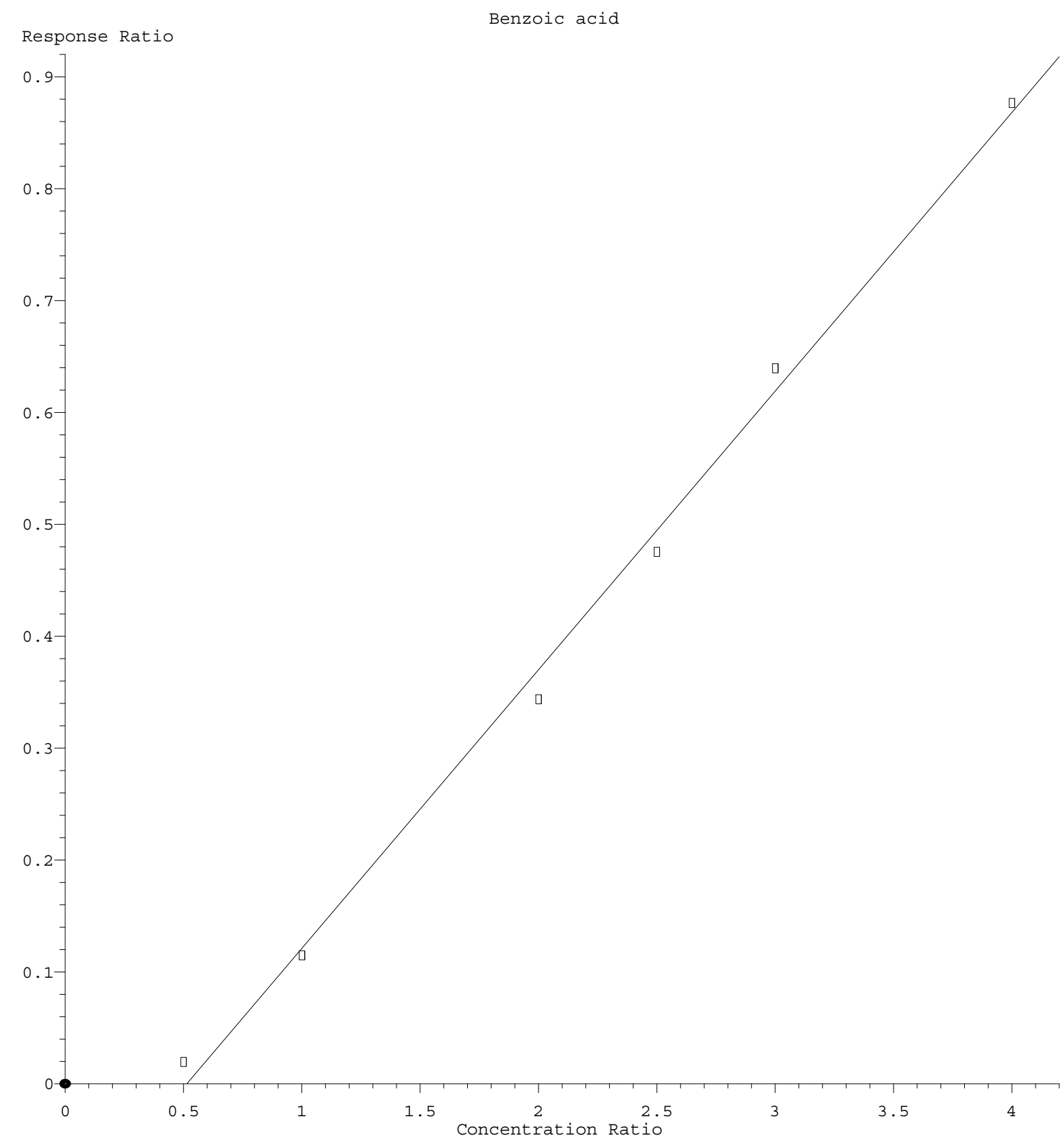
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.328	1.369	1.402	1.420	1.423	1.469	1.460	1.410	3.53
88)		Benzo(b)fluora...	1.213	1.201	1.251	1.209	1.200	1.199	1.139	1.202	2.74
89)		Benzo(k)fluora...	1.198	1.222	1.280	1.218	1.198	1.222	1.130	1.210	3.70
90)	C	Benzo(a)pyrene	1.061	1.072	1.109	1.089	1.090	1.118	1.072	1.087	1.89
91)		Dibenzo(a,h)an...	1.099	1.140	1.162	1.156	1.164	1.209	1.180	1.159	2.93
92)		Benzo(g,h,i)pe...	1.114	1.163	1.172	1.166	1.171	1.222	1.208	1.174	2.96

(#) = Out of Range



Response = 2.490e-001 * Amt - 1.278e-001
Coef of Det (r^2) = 0.995902 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG122923.M
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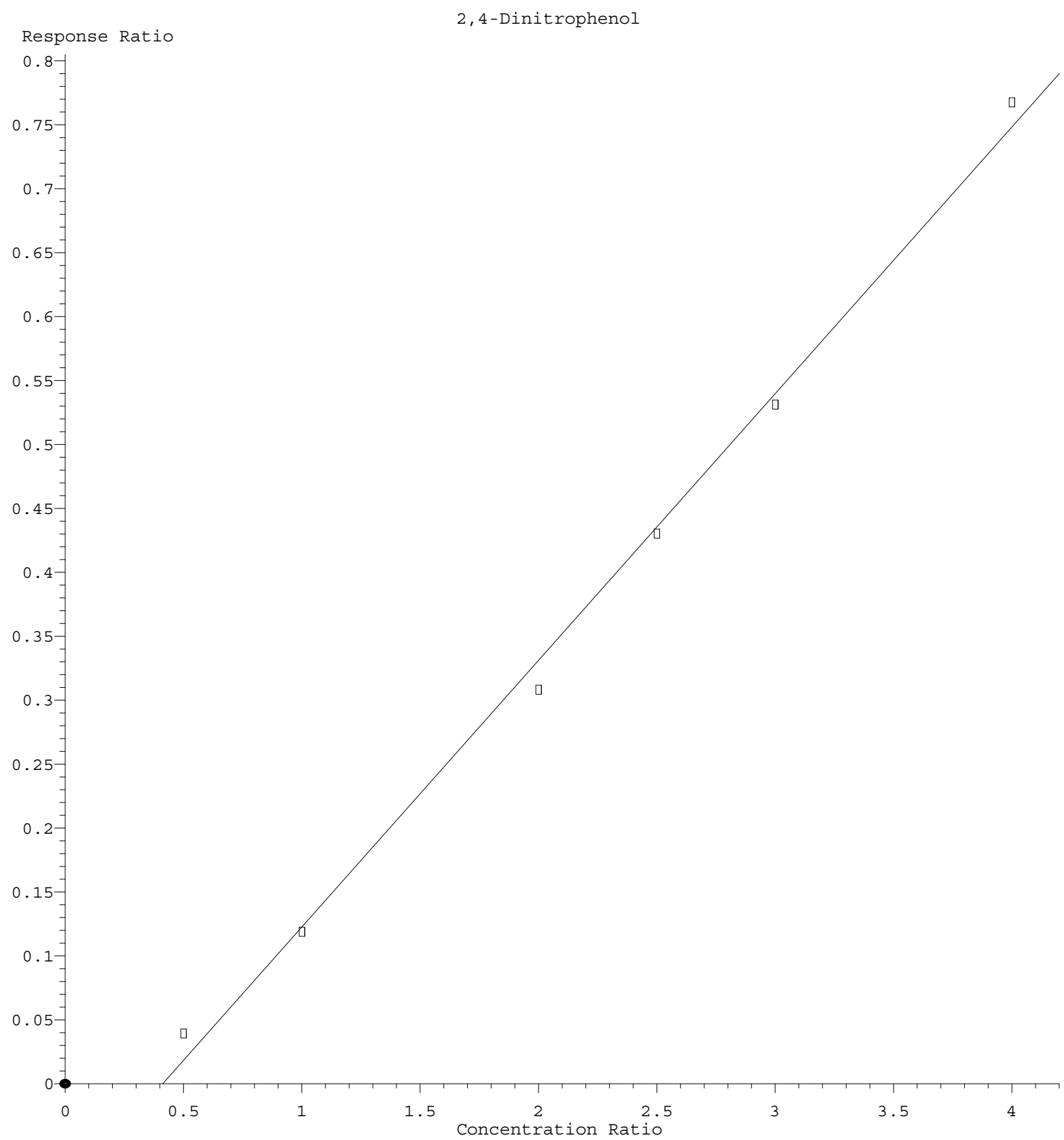

Response = 2.085e-001 * Amt - 8.586e-002
Coef of Det (r^2) = 0.995997 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG122923.M
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