Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG010325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 03 23:17:54 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG063920.D 5 =BG063921.D 10 =BG063928.D 20 =BG063929.D 40 =BG063924.D 50 =BG063925.D 60 =BG063926.D 80 =BG0639
27.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.749	0.684	0.660	0.646	0.646	0.626	0.609	0.660	6.94
3)		Pyridine		1.753	1.757	1.756	1.835	1.769	1.823	1.752	1.778	1.99
4)		n-Nitrosodimet...		0.635	0.707	0.706	0.702	0.689	0.671	0.646	0.680	4.35
5)	S	2-Fluorophenol		1.362	1.261	1.242	1.268	1.245	1.229	1.180	1.255	4.39
6)		Aniline		1.616	1.632	1.612	1.637	1.589	1.505	1.450	1.577	4.55
7)	S	Phenol-d6		1.784	1.842	1.856	1.865	1.815	1.808	1.743	1.816	2.36
8)		2-Chlorophenol		1.228	1.282	1.246	1.232	1.209	1.196	1.149	1.220	3.42
9)		Benzaldehyde		1.449	1.381	1.270	1.170	1.063	0.964	0.820	1.160	19.54
10)	C	Phenol		1.921	1.901	1.909	1.939	1.882	1.863	1.820	1.891	2.11
11)		bis(2-Chloroet...		1.576	1.483	1.499	1.502	1.457	1.435	1.423	1.482	3.46
12)		1,3-Dichlorobe...		1.565	1.469	1.498	1.492	1.457	1.441	1.375	1.471	3.96
13)	C	1,4-Dichlorobe...		1.527	1.474	1.496	1.519	1.461	1.451	1.365	1.470	3.71
14)		1,2-Dichlorobe...		1.546	1.503	1.468	1.449	1.439	1.397	1.327	1.447	4.91
15)		Benzyl Alcohol		1.192	1.244	1.310	1.372	1.341	1.335	1.327	1.303	4.81
16)		2,2'-oxybis(1-...		2.251	2.109	2.207	2.193	2.069	2.080	2.029	2.134	3.89
17)		2-Methylphenol		1.251	1.227	1.253	1.257	1.200	1.210	1.193	1.227	2.18
18)		Hexachloroethane		0.580	0.604	0.581	0.561	0.574	0.549	0.542	0.570	3.69
19)	P	n-Nitroso-di-n...	1.262	1.279	1.345	1.352	1.387	1.336	1.364	1.285	1.326	3.40
20)		3+4-Methylphenols		1.557	1.633	1.670	1.745	1.662	1.670	1.619	1.651	3.48
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.619	0.602	0.615	0.586	0.601	0.604	0.578	0.601	2.44
23)	S	Nitrobenzene-d5		0.497	0.501	0.516	0.499	0.513	0.524	0.504	0.508	2.02
24)		Nitrobenzene		0.547	0.532	0.549	0.537	0.552	0.558	0.541	0.545	1.60
25)		Isophorone		0.901	0.892	0.911	0.879	0.888	0.916	0.879	0.895	1.66
26)	C	2-Nitrophenol		0.154	0.169	0.168	0.176	0.180	0.184	0.181	0.173	6.09
27)		2,4-Dimethylph...		0.217	0.216	0.223	0.218	0.222	0.226	0.221	0.221	1.67
28)		bis(2-Chloroet...		0.548	0.525	0.539	0.530	0.535	0.537	0.522	0.534	1.69
29)	C	2,4-Dichloroph...		0.312	0.326	0.338	0.324	0.335	0.341	0.330	0.330	3.02
30)		1,2,4-Trichlor...		0.404	0.406	0.404	0.387	0.397	0.406	0.386	0.399	2.21
31)		Naphthalene		1.138	1.089	1.120	1.048	1.078	1.077	1.039	1.084	3.30
32)		Benzoic acid			0.111	0.117	0.147	0.157	0.170	0.184	0.148	19.56
33)		4-Chloroaniline		0.334	0.343	0.360	0.355	0.358	0.358	0.355	0.352	2.79
34)	C	Hexachlorobuta...		0.283	0.282	0.278	0.264	0.270	0.275	0.260	0.273	3.15
35)		Caprolactam		0.095	0.117	0.110	0.109	0.110	0.111	0.110	0.109	6.12
36)	C	4-Chloro-3-met...		0.346	0.362	0.375	0.360	0.372	0.377	0.369	0.366	3.01
37)		2-Methylnaphth...		0.793	0.785	0.787	0.742	0.744	0.757	0.725	0.762	3.48
38)		1-Methylnaphth...		0.810	0.767	0.782	0.734	0.746	0.749	0.716	0.758	4.12

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.687	0.680	0.665	0.645	0.686	0.682	0.653	0.671	2.55
41)	P	Hexachlorocycl...		0.016	0.046	0.085	0.102	0.109	0.114	0.079	50.11
42)	S	2,4,6-Tribromo...	0.244	0.245	0.249	0.235	0.246	0.245	0.225	0.241	3.45
43)	C	2,4,6-Trichlor...	0.351	0.365	0.406	0.391	0.421	0.420	0.413	0.395	6.98
44)		2,4,5-Trichlor...	0.404	0.420	0.438	0.439	0.479	0.469	0.457	0.444	5.98
45)	S	2-Fluorobiphenyl	1.488	1.423	1.455	1.326	1.379	1.357	1.235	1.381	6.18
46)		1,1'-Biphenyl	1.530	1.458	1.506	1.393	1.479	1.476	1.376	1.460	3.87
47)		2-Chloronaphth...	1.213	1.203	1.223	1.163	1.213	1.242	1.145	1.200	2.85
48)		2-Nitroaniline	0.352	0.369	0.416	0.397	0.421	0.428	0.427	0.402	7.48
49)		Acenaphthylene	1.798	1.804	1.849	1.705	1.803	1.804	1.684	1.778	3.38
50)		Dimethylphthalate	1.454	1.499	1.525	1.401	1.462	1.485	1.398	1.461	3.26
51)		2,6-Dinitrotol...	0.308	0.314	0.339	0.322	0.334	0.331	0.330	0.325	3.51
52)	C	Acenaphthene	1.129	1.103	1.121	1.039	1.097	1.098	1.024	1.087	3.68
53)		3-Nitroaniline	0.268	0.271	0.311	0.298	0.323	0.315	0.305	0.299	7.13
54)	P	2,4-Dinitrophenol		0.074	0.100	0.147	0.173	0.173	0.176	0.140	30.94
55)		Dibenzofuran	1.989	1.935	1.968	1.798	1.919	1.868	1.733	1.887	4.93
56)	P	4-Nitrophenol	0.144	0.152	0.207	0.218	0.243	0.236	0.233	0.205	19.84
57)		2,4-Dinitrotol...	0.416	0.453	0.467	0.437	0.487	0.485	0.453	0.457	5.58
58)		Fluorene	1.575	1.551	1.567	1.385	1.459	1.427	1.301	1.466	7.06
59)		2,3,4,6-Tetrac...	0.366	0.380	0.401	0.391	0.401	0.412	0.389	0.391	3.88
60)		Diethylphthalate	1.511	1.458	1.517	1.346	1.454	1.443	1.351	1.440	4.77
61)		4-Chlorophenyl...	0.842	0.831	0.826	0.765	0.793	0.778	0.731	0.795	5.05
62)		4-Nitroaniline	0.258	0.285	0.317	0.317	0.340	0.336	0.320	0.310	9.39
63)		Azobenzene	1.853	1.807	1.898	1.746	1.869	1.849	1.728	1.821	3.50
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.094	0.112	0.111	0.115	0.119	0.104	15.93
66)	c	n-Nitrosodiphe...	0.513	0.523	0.528	0.534	0.510	0.531	0.506	0.521	2.12
67)		4-Bromophenyl-...	0.217	0.221	0.227	0.226	0.218	0.226	0.214	0.221	2.23
68)		Hexachlorobenzene	0.267	0.255	0.255	0.253	0.248	0.251	0.237	0.252	3.59
69)		Atrazine	0.198	0.189	0.168	0.159	0.121			0.167	18.02
70)	C	Pentachlorophenol	0.076	0.079	0.097	0.116	0.118	0.123	0.123	0.105	19.48
71)		Phenanthrene	1.095	1.076	1.074	1.060	1.025	1.002	0.951	1.040	4.88
72)		Anthracene	1.037	1.029	1.053	1.038	1.005	0.997	0.930	1.013	4.09
73)		Carbazole	0.942	0.955	0.966	0.953	0.934	0.926	0.870	0.935	3.38
74)		Di-n-butylphth...	1.031	1.063	1.085	1.071	1.051	1.031	0.961	1.042	3.92
75)	C	Fluoranthene	1.399	1.336	1.384	1.340	1.297	1.267	1.167	1.313	6.00
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.244	0.227	0.266	0.314	0.261	0.289	0.357	0.280	15.92
78)		Pyrene	1.428	1.432	1.454	1.316	1.364	1.354	1.255	1.372	5.20
79)	S	Terphenyl-d14	1.135	1.121	1.124	0.953	0.956	0.931	0.832	1.007	11.82
80)		Butylbenzylpht...	0.371	0.402	0.440	0.407	0.440	0.455	0.448	0.423	7.21
81)		Benzo(a)anthra...	1.380	1.369	1.417	1.277	1.323	1.337	1.262	1.338	4.15
82)		3,3'-Dichlorob...	0.376	0.399	0.440	0.410	0.427	0.432	0.425	0.416	5.33
83)		Chrysene	1.354	1.313	1.379	1.234	1.301	1.295	1.216	1.299	4.53
84)		Bis(2-ethylhex...	0.593	0.646	0.681	0.631	0.666	0.668	0.646	0.647	4.52
85)	c	Di-n-octyl pht...	1.017	1.079	1.184	1.102	1.163	1.191	1.155	1.127	5.65

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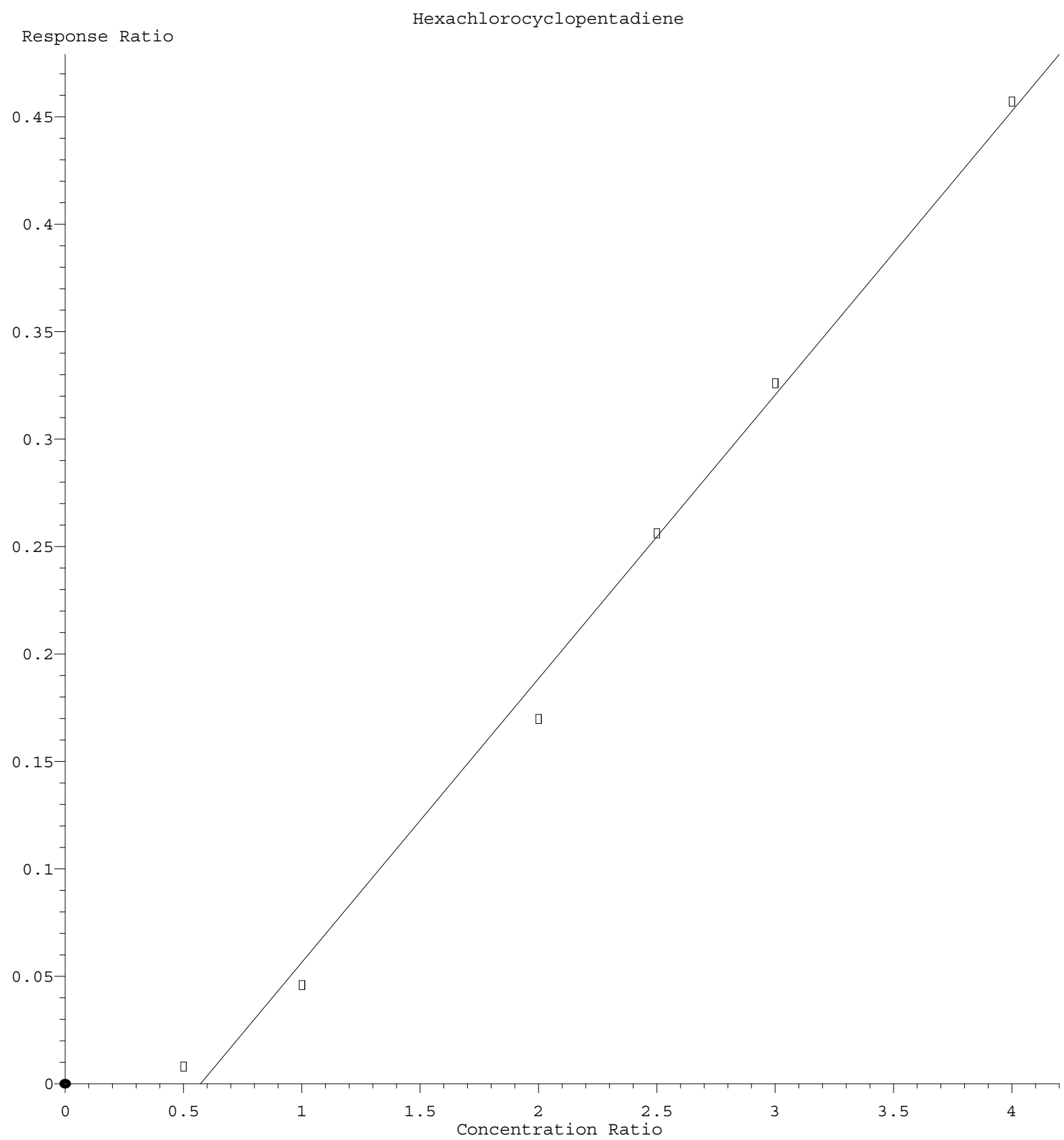
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.333	1.370	1.413	1.382	1.392	1.425	1.408	1.389	2.24
88)		Benzo(b)fluora...	1.281	1.248	1.271	1.237	1.260	1.244	1.212	1.250	1.84
89)		Benzo(k)fluora...	1.228	1.260	1.304	1.264	1.222	1.280	1.224	1.255	2.51
90)	C	Benzo(a)pyrene	1.093	1.102	1.127	1.103	1.118	1.123	1.109	1.110	1.12
91)		Dibenzo(a,h)an...	1.089	1.151	1.159	1.148	1.168	1.184	1.146	1.149	2.58
92)		Benzo(g,h,i)pe...	1.192	1.149	1.181	1.186	1.175	1.205	1.189	1.182	1.49

(#) = Out of Range



Response = 1.320e-001 * Amt - 7.547e-002
Coef of Det (r^2) = 0.994367 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG010325.M
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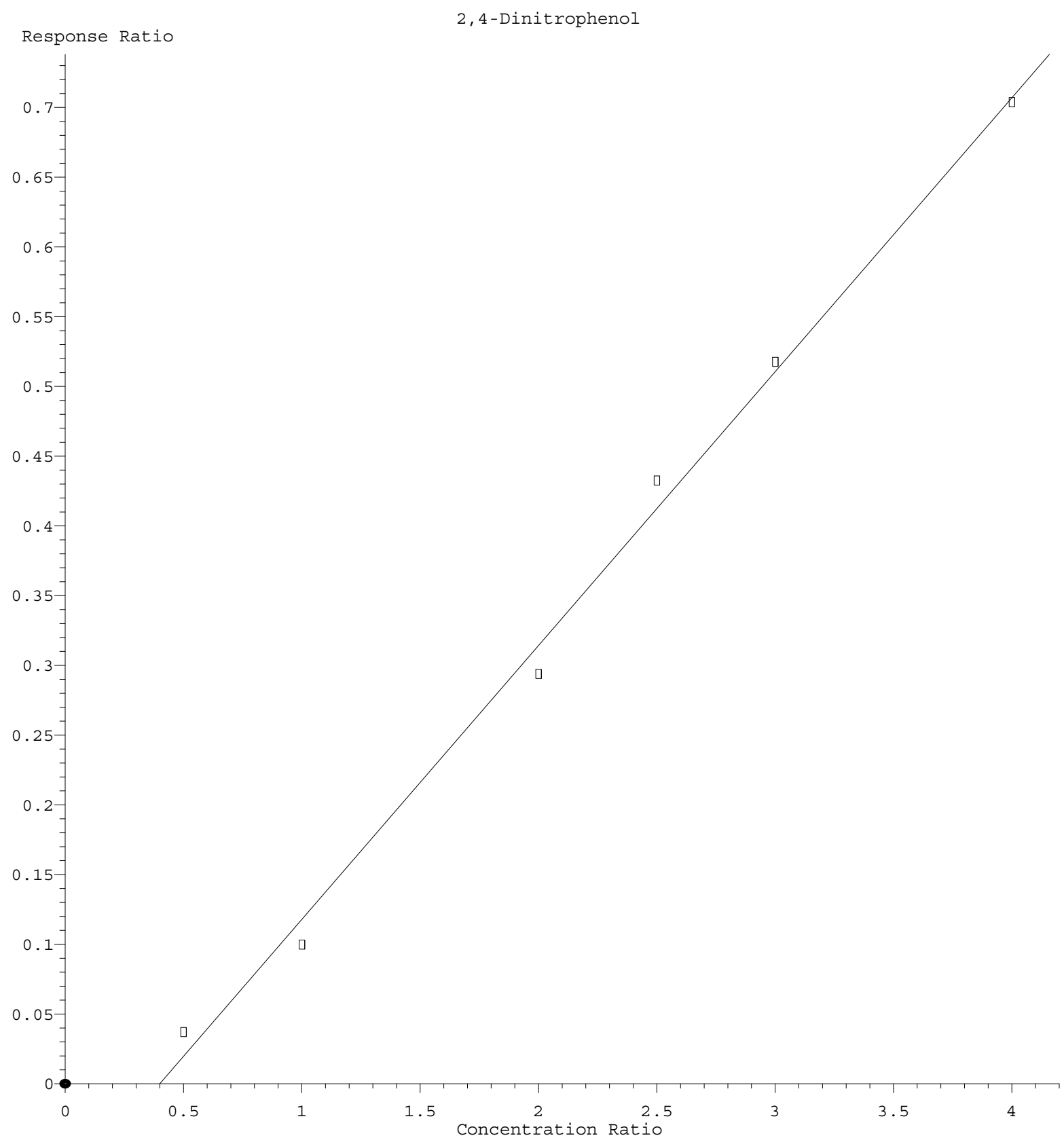

Response = 1.966e-001 * Amt - 7.862e-002
Coef of Det (r^2) = 0.995339 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG010325.M
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