Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM090624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Sep 07 01:23:53 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM047454.D 5 =BM047455.D 10 =BM047456.D 20 =BM047457.D 40 =BM047458.D 50 =BM047459.D 60 =BM047460.D 80 =BM0474
61.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.536	0.496	0.512	0.483	0.459	0.485	0.461	0.490	5.54
3)		Pyridine		1.177	1.227	1.292	1.282	1.187	1.214	1.204	1.226	3.66
4)		n-Nitrosodimet...		0.653	0.692	0.710	0.702	0.668	0.700	0.693	0.688	2.94
5)	S	2-Fluorophenol		1.212	1.218	1.214	1.159	1.099	1.126	1.099	1.161	4.67
6)		Aniline		1.353	1.349	1.380	1.378	1.251	1.244	1.169	1.303	6.29
7)	S	Phenol-d6		1.525	1.531	1.525	1.472	1.395	1.419	1.418	1.469	3.99
8)		2-Chlorophenol		1.271	1.282	1.276	1.226	1.150	1.175	1.131	1.216	5.24
9)		Benzaldehyde		1.059	1.001	0.976	0.854	0.784	0.760	0.667	0.871	16.57
10)	C	Phenol		1.414	1.450	1.487	1.452	1.372	1.407	1.393	1.425	2.79
11)		bis(2-Chloroet...		1.320	1.288	1.295	1.268	1.188	1.208	1.195	1.252	4.28
12)		1,3-Dichlorobe...		1.613	1.533	1.510	1.474	1.383	1.417	1.358	1.470	6.14
13)	C	1,4-Dichlorobe...		1.579	1.531	1.542	1.491	1.393	1.431	1.366	1.476	5.48
14)		1,2-Dichlorobe...		1.531	1.459	1.446	1.384	1.283	1.308	1.258	1.381	7.42
15)		Benzyl Alcohol		1.071	1.063	1.124	1.125	1.069	1.086	1.074	1.087	2.42
16)		2,2'-oxybis(1-...		2.344	2.282	2.285	2.257	2.114	2.150	2.066	2.214	4.67
17)		2-Methylphenol		0.963	0.955	1.002	0.997	0.935	0.954	0.925	0.962	2.97
18)		Hexachloroethane		0.624	0.607	0.610	0.592	0.560	0.574	0.549	0.588	4.74
19)	P	n-Nitroso-di-n...	0.870	0.969	0.961	0.956	0.936	0.874	0.873	0.852	0.911	5.34
20)		3+4-Methylphenols		1.261	1.281	1.345	1.325	1.249	1.262	1.246	1.281	3.02
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.491	0.492	0.501	0.482	0.452	0.465	0.452	0.476	4.19
23)	S	Nitrobenzene-d5		0.389	0.391	0.404	0.394	0.370	0.381	0.366	0.385	3.54
24)		Nitrobenzene		0.384	0.398	0.418	0.405	0.382	0.399	0.377	0.395	3.72
25)		Isophorone		0.686	0.678	0.702	0.693	0.651	0.662	0.645	0.674	3.21
26)	C	2-Nitrophenol		0.168	0.171	0.184	0.187	0.179	0.187	0.184	0.180	4.36
27)		2,4-Dimethylph...		0.206	0.197	0.210	0.213	0.200	0.208	0.203	0.205	2.81
28)		bis(2-Chloroet...		0.402	0.419	0.428	0.427	0.403	0.414	0.404	0.414	2.72
29)	C	2,4-Dichloroph...		0.277	0.287	0.306	0.305	0.286	0.299	0.296	0.294	3.66
30)		1,2,4-Trichlor...		0.344	0.342	0.353	0.346	0.329	0.341	0.326	0.340	2.79
31)		Naphthalene		1.097	1.038	1.056	1.016	0.951	0.989	0.951	1.014	5.37
32)		Benzoic acid		0.143	0.150	0.205	0.216	0.212	0.222	0.231	0.197	18.01
33)		4-Chloroaniline		0.342	0.333	0.362	0.361	0.342	0.348	0.337	0.346	3.21
34)	C	Hexachlorobuta...		0.229	0.223	0.226	0.222	0.209	0.221	0.208	0.220	3.70
35)		Caprolactam		0.092	0.089	0.095	0.097	0.094	0.097	0.097	0.094	3.06
36)	C	4-Chloro-3-met...		0.322	0.320	0.320	0.322	0.309	0.313	0.312	0.317	1.72
37)		2-Methylnaphth...		0.705	0.675	0.695	0.673	0.629	0.648	0.635	0.666	4.36
38)		1-Methylnaphth...		0.703	0.675	0.689	0.662	0.623	0.637	0.621	0.659	4.90

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.599	0.577	0.619	0.617	0.569	0.594	0.569	0.592	3.56
41)	P	Hexachlorocycl...		0.046	0.083	0.119	0.120	0.138	0.142	0.108	34.06
42)	S	2,4,6-Tribromo...	0.211	0.218	0.225	0.230	0.212	0.218	0.211	0.218	3.31
43)	C	2,4,6-Trichlor...	0.363	0.361	0.387	0.401	0.366	0.388	0.382	0.378	3.98
44)		2,4,5-Trichlor...	0.356	0.392	0.423	0.435	0.403	0.429	0.421	0.409	6.70
45)	S	2-Fluorobiphenyl	1.390	1.333	1.348	1.316	1.203	1.259	1.197	1.292	5.74
46)		1,1'-Biphenyl	1.480	1.448	1.498	1.461	1.329	1.399	1.348	1.423	4.63
47)		2-Chloronaphth...	1.143	1.126	1.163	1.145	1.043	1.081	1.040	1.106	4.60
48)		2-Nitroaniline	0.357	0.359	0.378	0.400	0.373	0.386	0.380	0.376	3.97
49)		Acenaphthylene	1.675	1.636	1.697	1.682	1.523	1.592	1.531	1.619	4.46
50)		Dimethylphthalate	1.333	1.339	1.358	1.381	1.265	1.327	1.277	1.326	3.15
51)		2,6-Dinitrotol...	0.293	0.305	0.312	0.328	0.305	0.316	0.311	0.310	3.51
52)	C	Acenaphthene	1.087	1.046	1.069	1.048	0.955	1.008	0.966	1.025	4.95
53)		3-Nitroaniline	0.269	0.286	0.314	0.327	0.311	0.318	0.314	0.305	6.68
54)	P	2,4-Dinitrophenol		0.092	0.130	0.172	0.168	0.186	0.192	0.157	24.47
55)		Dibenzofuran	1.696	1.648	1.673	1.650	1.499	1.567	1.509	1.606	4.99
56)	P	4-Nitrophenol		0.783	0.057	0.133	0.152	0.175	0.197	0.250	106.47
57)		2,4-Dinitrotol...	0.370	0.397	0.416	0.430	0.402	0.412	0.400	0.404	4.63
58)		Fluorene	1.362	1.325	1.318	1.301	1.194	1.240	1.186	1.275	5.39
59)		2,3,4,6-Tetrac...	0.318	0.318	0.338	0.349	0.325	0.335	0.328	0.330	3.47
60)		Diethylphthalate	1.376	1.363	1.388	1.390	1.278	1.331	1.266	1.342	3.85
61)		4-Chlorophenyl...	0.668	0.650	0.654	0.635	0.582	0.610	0.586	0.626	5.43
62)		4-Nitroaniline	0.252	0.293	0.297	0.317	0.304	0.313	0.307	0.297	7.32
63)		Azobenzene	1.306	1.340	1.371	1.353	1.249	1.292	1.237	1.307	3.91
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.076	0.090	0.106	0.123	0.119	0.127	0.125	0.109	18.19
66)	c	n-Nitrosodiphe...	0.573	0.549	0.572	0.566	0.518	0.538	0.515	0.547	4.50
67)		4-Bromophenyl-...	0.203	0.194	0.203	0.203	0.188	0.196	0.188	0.197	3.44
68)		Hexachlorobenzene	0.244	0.227	0.235	0.233	0.216	0.226	0.216	0.228	4.43
69)		Atrazine	0.186	0.179	0.157	0.151	0.101	0.090	0.068	0.133	34.86
70)	C	Pentachlorophenol	0.107	0.112	0.128	0.140	0.134	0.141	0.140	0.129	11.00
71)		Phenanthrene	1.024	0.976	1.008	0.978	0.911	0.945	0.903	0.963	4.79
72)		Anthracene	0.983	0.956	0.984	0.979	0.898	0.943	0.905	0.950	3.82
73)		Carbazole	0.953	0.958	0.991	0.974	0.904	0.940	0.900	0.946	3.60
74)		Di-n-butylphth...	1.162	1.150	1.188	1.176	1.099	1.160	1.085	1.146	3.38
75)	C	Fluoranthene	1.198	1.175	1.189	1.145	1.084	1.127	1.078	1.142	4.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.325	0.306	0.374	0.593	0.430	0.458	0.429	0.416	23.12
78)		Pyrene	1.456	1.383	1.451	1.483	1.399	1.422	1.406	1.429	2.52
79)	S	Terphenyl-d14	1.059	1.005	1.019	1.032	0.972	0.998	0.972	1.008	3.14
80)		Butylbenzylpht...	0.576	0.593	0.620	0.635	0.608	0.625	0.610	0.609	3.27
81)		Benzo(a)anthra...	1.287	1.267	1.307	1.318	1.228	1.263	1.232	1.272	2.71
82)		3,3'-Dichlorob...	0.438	0.450	0.472	0.473	0.438	0.452	0.431	0.450	3.67
83)		Chrysene	1.329	1.273	1.273	1.271	1.190	1.217	1.182	1.248	4.27
84)		Bis(2-ethylhex...	0.834	0.855	0.882	0.885	0.825	0.868	0.821	0.853	3.15
85)	c	Di-n-octyl pht...	1.415	1.495	1.553	1.555	1.466	1.551	1.475	1.501	3.59

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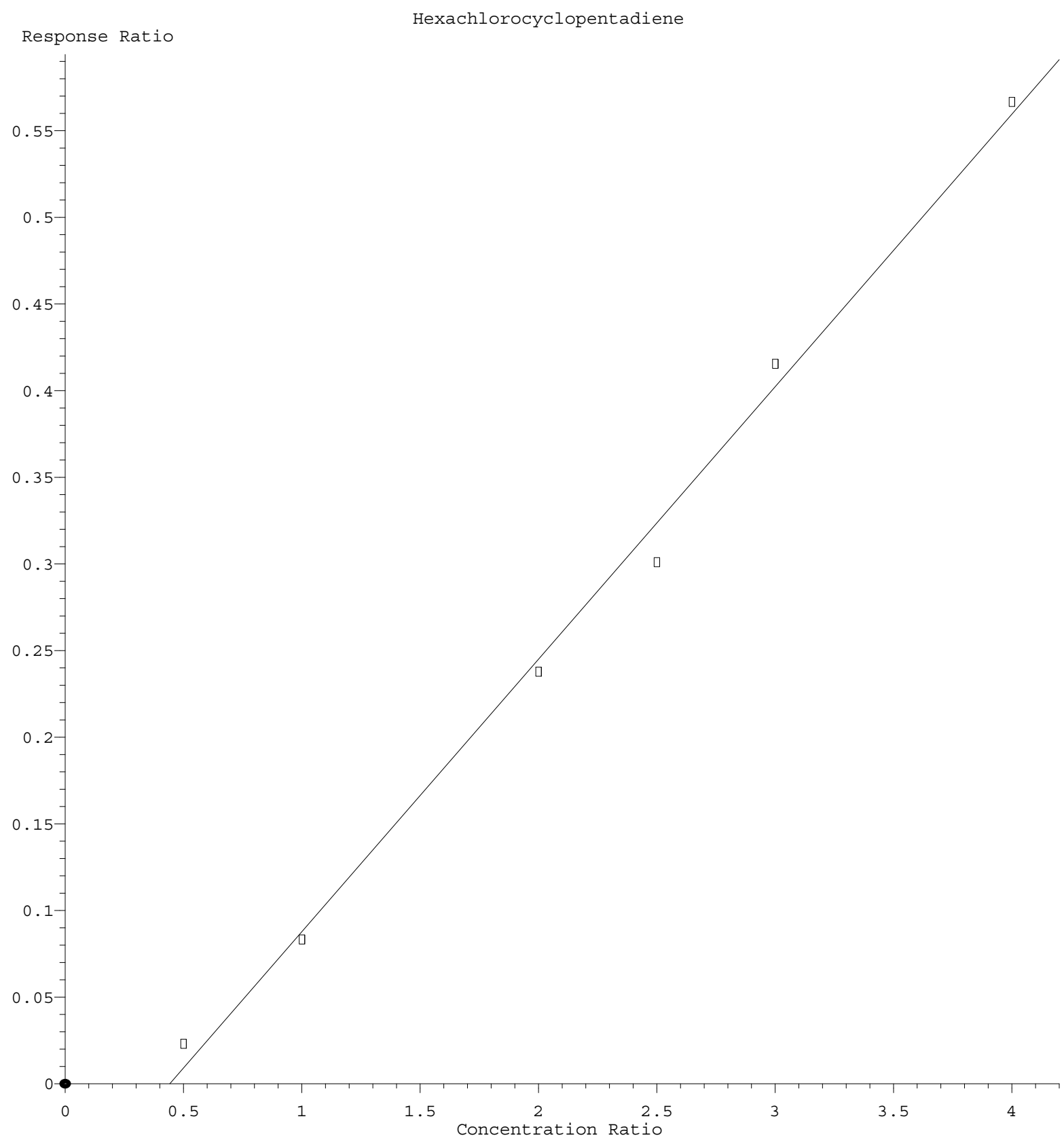
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.345	1.300	1.337	1.325	1.236	1.282	1.234	1.294	3.56
88)		Benzo(b)fluora...	1.106	1.120	1.118	1.121	1.047	1.091	1.048	1.093	3.00
89)		Benzo(k)fluora...	1.211	1.099	1.169	1.123	1.021	1.062	1.004	1.098	6.90
90)	C	Benzo(a)pyrene	1.025	0.994	1.035	1.024	0.953	0.996	0.952	0.997	3.38
91)		Dibenzo(a,h)an...	1.076	1.065	1.096	1.078	1.003	1.036	0.999	1.050	3.63
92)		Benzo(g,h,i)pe...	1.119	1.091	1.141	1.140	1.075	1.110	1.075	1.107	2.53

(#) = Out of Range



Response = 1.572e-001 * Amt - 6.946e-002
Coef of Det (r^2) = 0.995161 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM090624.M
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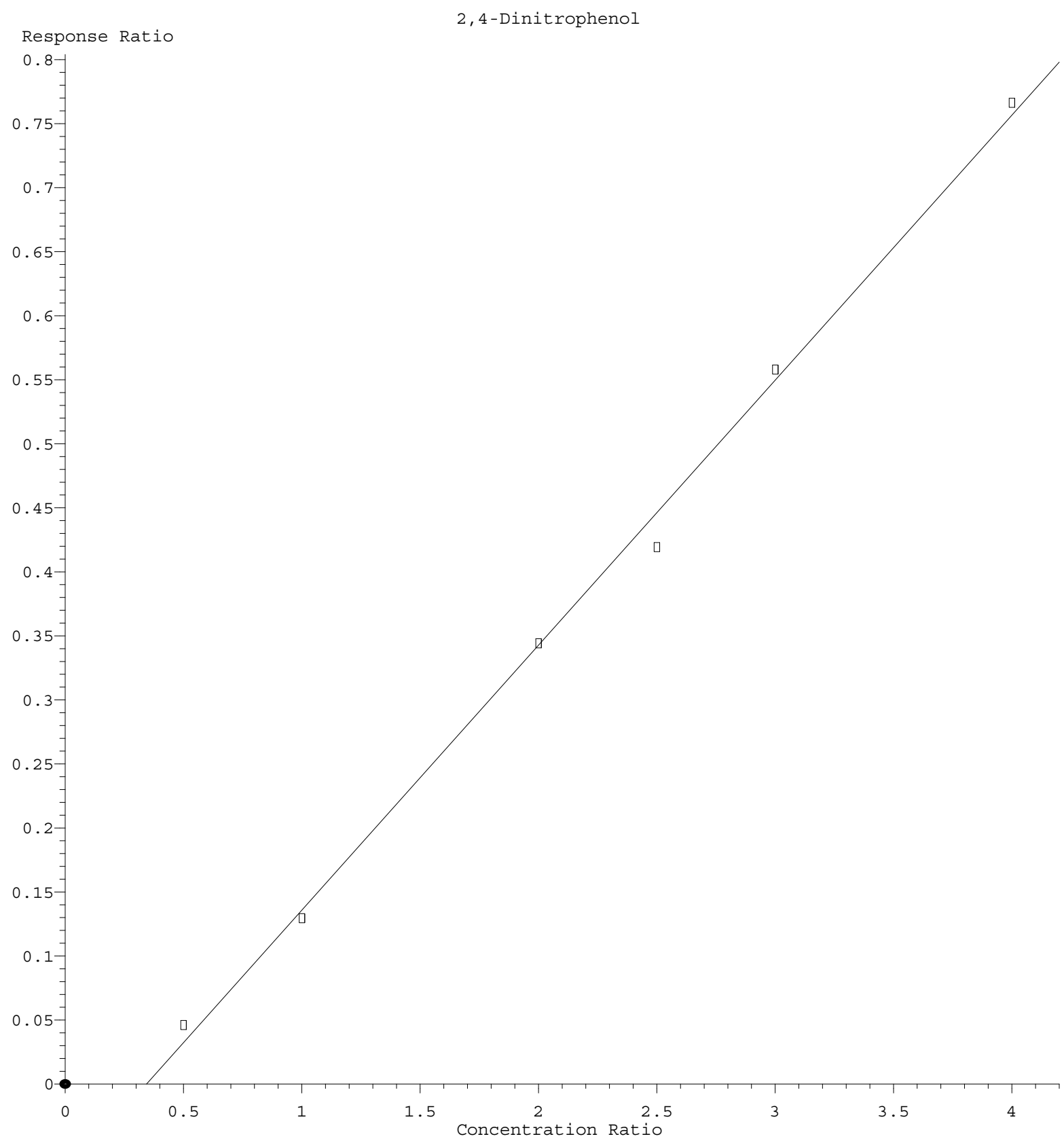

Response = 2.069e-001 * Amt - 7.108e-002
Coef of Det (r^2) = 0.996884 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM090624.M
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