Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM061323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 13 22:36:11 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM040217.D 5 =BM040218.D 10 =BM040219.D 20 =BM040220.D 40 =BM040221.D 50 =BM040222.D 60 =BM040223.D 80 =BM0402
24.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.593	0.569	0.564	0.487	0.468	0.478	0.447	0.515	11.30
3)		Pyridine		1.424	1.526	1.587	1.474	1.433	1.471	1.398	1.473	4.43
4)		n-Nitrosodimet...		0.690	0.686	0.713	0.645	0.636	0.645	0.607	0.661	5.61
5)	S	2-Fluorophenol		1.325	1.371	1.400	1.256	1.230	1.252	1.196	1.290	5.91
6)		Aniline		2.141	2.192	2.302	2.126	2.104	2.167	2.078	2.159	3.41
7)	S	Phenol-d6		1.746	1.818	1.895	1.748	1.705	1.738	1.660	1.759	4.37
8)		2-Chlorophenol		1.391	1.418	1.450	1.341	1.343	1.373	1.294	1.373	3.82
9)		Benzaldehyde		1.093	1.095	1.099	0.912	0.847	0.815		0.977	13.72
10)	C	Phenol		1.735	1.755	1.834	1.691	1.667	1.714	1.648	1.721	3.61
11)		bis(2-Chloroet...		1.487	1.483	1.514	1.380	1.371	1.410	1.342	1.427	4.70
12)		1,3-Dichlorobe...		1.512	1.505	1.497	1.359	1.364	1.384	1.300	1.417	6.05
13)	C	1,4-Dichlorobe...		1.525	1.497	1.529	1.384	1.380	1.409	1.322	1.435	5.68
14)		1,2-Dichlorobe...		1.470	1.483	1.484	1.363	1.361	1.371	1.289	1.403	5.44
15)		Benzyl Alcohol		1.200	1.236	1.335	1.266	1.271	1.296	1.226	1.261	3.61
16)		2,2'-oxybis(1-...		2.064	2.054	2.082	1.951	1.913	1.926	1.795	1.969	5.26
17)		2-Methylphenol		1.237	1.253	1.344	1.269	1.260	1.276	1.196	1.262	3.55
18)		Hexachloroethane		0.538	0.529	0.552	0.527	0.523	0.532	0.504	0.529	2.74
19)	P	n-Nitroso-di-n...	1.091	1.158	1.183	1.283	1.223	1.192	1.197	1.125	1.181	4.97
20)		3+4-Methylphenols		1.638	1.719	1.830	1.757	1.728	1.756	1.657	1.726	3.76
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.501	0.518	0.542	0.514	0.517	0.538	0.515	0.521	2.80
23)	S	Nitrobenzene-d5		0.351	0.369	0.396	0.383	0.383	0.402	0.390	0.382	4.49
24)		Nitrobenzene		0.372	0.381	0.407	0.392	0.390	0.407	0.396	0.392	3.29
25)		Isophorone		0.679	0.714	0.775	0.745	0.745	0.780	0.757	0.742	4.76
26)	C	2-Nitrophenol		0.137	0.149	0.170	0.171	0.175	0.186	0.185	0.168	10.92
27)		2,4-Dimethylph...		0.289	0.305	0.327	0.309	0.309	0.323	0.319	0.312	4.11
28)		bis(2-Chloroet...		0.464	0.465	0.485	0.458	0.456	0.477	0.461	0.466	2.27
29)	C	2,4-Dichloroph...		0.267	0.281	0.305	0.296	0.297	0.313	0.306	0.295	5.37
30)		1,2,4-Trichlor...		0.298	0.299	0.307	0.292	0.295	0.309	0.304	0.301	2.06
31)		Naphthalene		1.090	1.089	1.123	1.046	1.042	1.088	1.043	1.075	2.90
32)		Benzoic acid			0.141	0.204	0.227	0.236	0.263	0.261	0.222	20.45
33)		4-Chloroaniline		0.450	0.468	0.501	0.480	0.479	0.501	0.485	0.481	3.75
34)	C	Hexachlorobuta...		0.165	0.166	0.171	0.165	0.169	0.175	0.173	0.169	2.43
35)		Caprolactam		0.082	0.094	0.110	0.107	0.105	0.112	0.110	0.103	10.72
36)	C	4-Chloro-3-met...		0.315	0.336	0.362	0.342	0.340	0.356	0.345	0.342	4.40
37)		2-Methylnaphth...		0.767	0.774	0.797	0.740	0.736	0.772	0.745	0.762	2.92
38)		1-Methylnaphth...		0.728	0.725	0.750	0.695	0.698	0.732	0.708	0.720	2.78

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.520	0.528	0.558	0.537	0.565	0.592	0.592	0.556	5.26
41)	P	Hexachlorocycl...	0.243	0.261	0.298	0.308	0.331	0.345	0.356	0.306	13.80
42)	S	2,4,6-Tribromo...	0.236	0.259	0.282	0.280	0.287	0.306	0.303	0.279	8.80
43)	C	2,4,6-Trichlor...	0.330	0.354	0.391	0.385	0.399	0.421	0.419	0.386	8.66
44)		2,4,5-Trichlor...	0.401	0.430	0.468	0.456	0.470	0.497	0.494	0.459	7.51
45)	S	2-Fluorobiphenyl	1.448	1.451	1.525	1.439	1.447	1.491	1.399	1.457	2.75
46)		1,1'-Biphenyl	1.558	1.579	1.626	1.544	1.562	1.618	1.565	1.579	1.98
47)		2-Chloronaphth...	1.135	1.145	1.194	1.146	1.166	1.217	1.181	1.169	2.56
48)		2-Nitroaniline	0.296	0.336	0.398	0.398	0.408	0.435	0.426	0.385	13.10
49)		Acenaphthylene	1.829	1.907	2.030	1.946	1.948	2.037	1.954	1.950	3.65
50)		Dimethylphthalate	1.575	1.611	1.656	1.542	1.553	1.630	1.575	1.591	2.62
51)		2,6-Dinitrotol...	0.275	0.310	0.337	0.327	0.328	0.349	0.341	0.324	7.72
52)	C	Acenaphthene	1.154	1.178	1.232	1.168	1.179	1.231	1.186	1.190	2.53
53)		3-Nitroaniline	0.309	0.359	0.401	0.394	0.397	0.422	0.411	0.385	10.09
54)	P	2,4-Dinitrophenol		0.123	0.166	0.180	0.191	0.206	0.209	0.179	17.82
55)		Dibenzofuran	1.887	1.908	1.949	1.831	1.834	1.921	1.845	1.882	2.48
56)	P	4-Nitrophenol	0.221	0.273	0.315	0.315	0.315	0.337	0.328	0.301	13.46
57)		2,4-Dinitrotol...	0.344	0.408	0.455	0.446	0.452	0.479	0.471	0.436	10.68
58)		Fluorene	1.498	1.533	1.600	1.505	1.514	1.577	1.498	1.532	2.66
59)		2,3,4,6-Tetrac...	0.338	0.358	0.380	0.372	0.377	0.397	0.396	0.374	5.60
60)		Diethylphthalate	1.575	1.634	1.712	1.616	1.612	1.680	1.618	1.635	2.83
61)		4-Chlorophenyl...	0.720	0.722	0.764	0.749	0.760	0.795	0.765	0.754	3.50
62)		4-Nitroaniline	0.297	0.364	0.414	0.412	0.414	0.441	0.425	0.395	12.51
63)		Azobenzene	1.493	1.623	1.729	1.640	1.651	1.716	1.643	1.642	4.69
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.092	0.114	0.121	0.125	0.134	0.135	0.120	13.38
66)	c	n-Nitrosodiphe...	0.589	0.612	0.647	0.630	0.631	0.665	0.643	0.631	3.92
67)		4-Bromophenyl-...	0.195	0.196	0.211	0.207	0.209	0.224	0.223	0.209	5.59
68)		Hexachlorobenzene	0.217	0.223	0.231	0.226	0.230	0.247	0.245	0.231	4.77
69)		Atrazine	0.165	0.181	0.195	0.192	0.191	0.201	0.197	0.189	6.43
70)	C	Pentachlorophenol	0.129	0.143	0.166	0.171	0.176	0.187	0.189	0.166	13.65
71)		Phenanthrene	1.087	1.106	1.136	1.101	1.095	1.156	1.110	1.113	2.19
72)		Anthracene	1.031	1.081	1.151	1.131	1.130	1.194	1.148	1.124	4.71
73)		Carbazole	0.971	1.043	1.097	1.061	1.053	1.112	1.064	1.057	4.28
74)		Di-n-butylphth...	1.135	1.250	1.370	1.371	1.369	1.430	1.256	1.311	7.77
75)	C	Fluoranthene	1.142	1.197	1.258	1.231	1.236	1.323	1.248	1.233	4.50
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.320	0.371	0.369	0.466	0.383	0.357	0.334	0.371	12.69
78)		Pyrene	1.301	1.357	1.417	1.367	1.386	1.439	1.337	1.372	3.42
79)	S	Terphenyl-d14	1.023	1.079	1.186	1.114	1.020	0.983	0.800	1.029	11.83
80)		Butylbenzylpht...	0.525	0.574	0.645	0.649	0.656	0.684	0.665	0.628	9.09
81)		Benzo(a)anthra...	1.284	1.320	1.380	1.370	1.393	1.453	1.338	1.363	4.04
82)		3,3'-Dichlorob...	0.360	0.432	0.480	0.496	0.496	0.518	0.484	0.467	11.55
83)		Chrysene	1.206	1.262	1.331	1.302	1.302	1.367	1.255	1.289	4.12
84)		Bis(2-ethylhex...	0.827	0.899	0.999	0.992	0.987	1.011	0.941	0.951	7.06
85)	c	Di-n-octyl pht...	1.391	1.493	1.671	1.667	1.683	1.741	1.472	1.588	8.40

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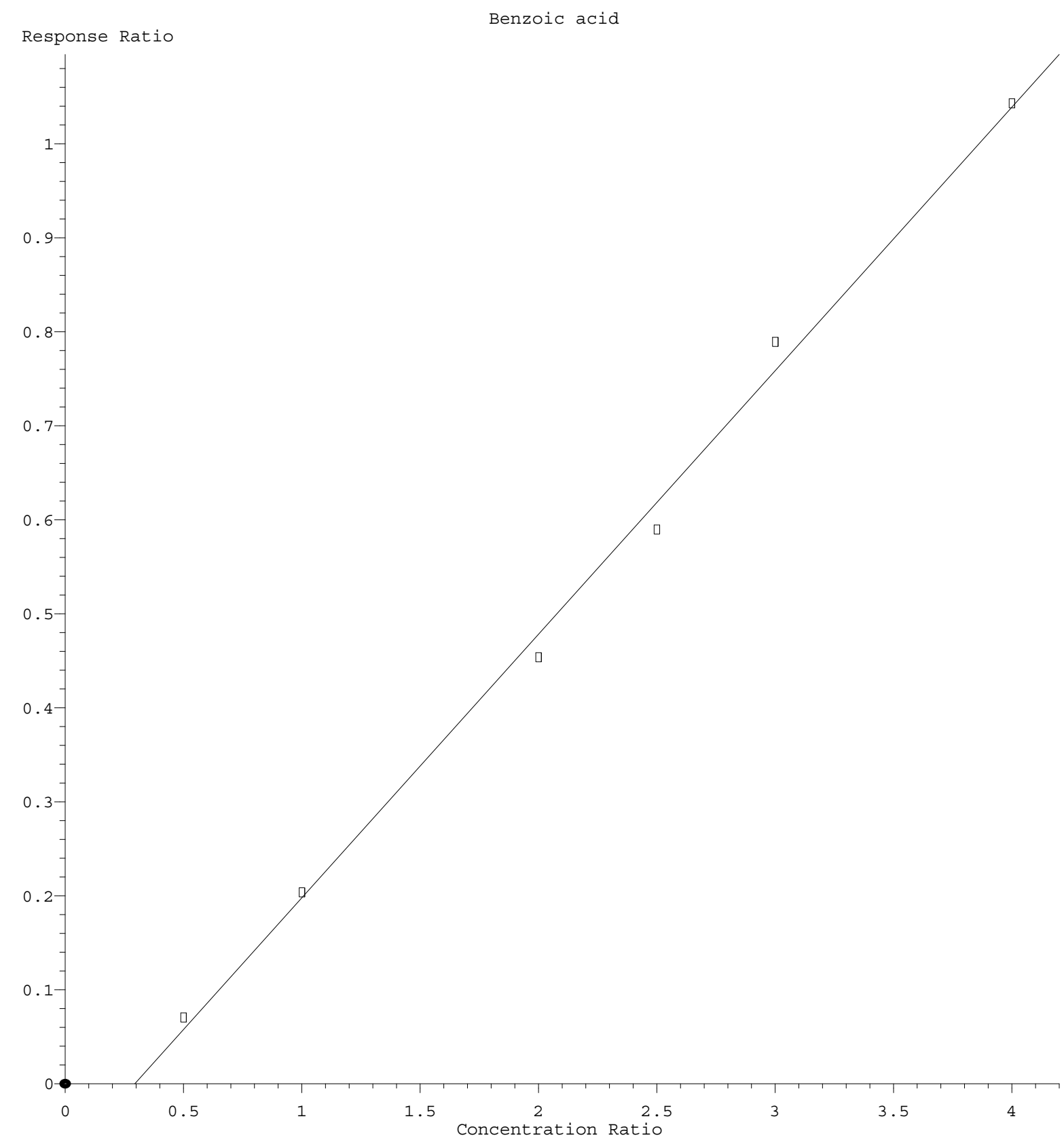
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.232	1.285	1.288	1.262	1.353	1.482	1.371	1.325	6.41
88)		Benzo(b)fluora...	1.060	1.081	1.196	1.174	1.249	1.290	1.329	1.197	8.44
89)		Benzo(k)fluora...	1.070	1.152	1.226	1.218	1.261	1.363	1.328	1.231	8.12
90)	C	Benzo(a)pyrene	0.975	1.042	1.139	1.113	1.177	1.255	1.248	1.136	9.10
91)		Dibenzo(a,h)an...	1.026	1.062	1.080	1.081	1.163	1.284	1.190	1.127	8.00
92)		Benzo(g,h,i)pe...	1.002	1.012	0.995	0.947	0.999	1.106	0.998	1.008	4.75

(#) = Out of Range



Response = 2.803e-001 * Amt - 8.228e-002
Coef of Det (r^2) = 0.996081 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM061323.M
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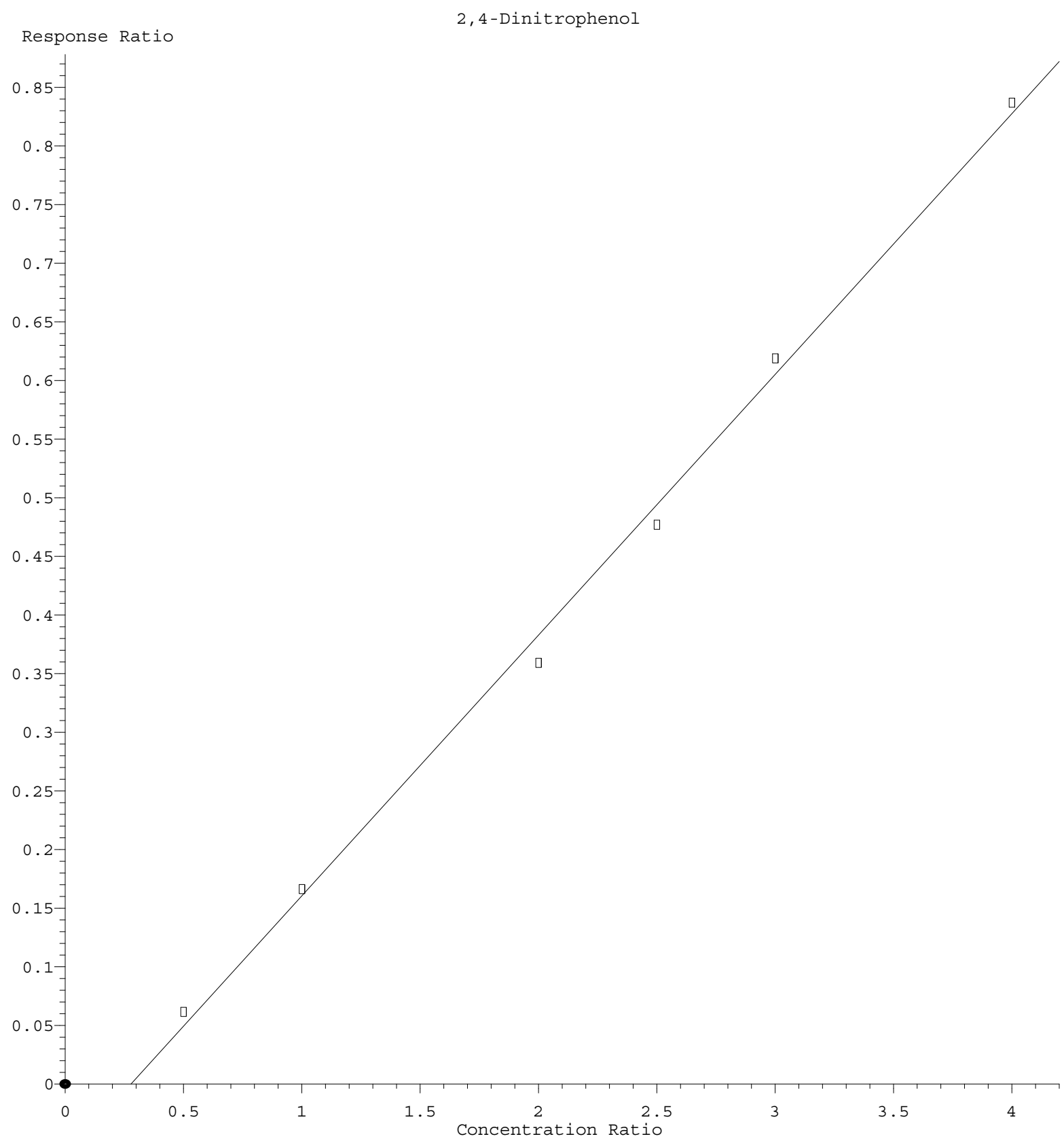

Response = 2.223e-001 * Amt - 6.179e-002
Coef of Det (r^2) = 0.996840 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM061323.M
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