Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 08 23:25:50 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM040150.D 5 =BM040151.D 10 =BM040152.D 20 =BM040153.D 40 =BM040154.D 50 =BM040155.D 60 =BM040156.D 80 =BM0401
57.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.575	0.604	0.575	0.530	0.507	0.484	0.449	0.532	10.47
3)		Pyridine		1.477	1.489	1.667	1.609	1.557	1.497	1.385	1.526	6.12
4)		n-Nitrosodimet...		0.635	0.672	0.683	0.645	0.609	0.565	0.521	0.619	9.44
5)	S	2-Fluorophenol		1.365	1.383	1.445	1.381	1.334	1.282	1.186	1.339	6.25
6)		Aniline		2.123	2.250	2.369	2.320	2.239	2.179	2.004	2.212	5.55
7)	S	Phenol-d6		1.778	1.879	2.011	1.936	1.844	1.754	1.591	1.828	7.48
8)		2-Chlorophenol		1.401	1.416	1.492	1.452	1.399	1.429	1.324	1.416	3.66
9)		Benzaldehyde		1.127	1.149	1.156	0.985	0.910	0.816	0.670	0.973	19.18
10)	C	Phenol		1.782	1.855	1.942	1.880	1.801	1.733	1.589	1.798	6.39
11)		bis(2-Chloroet...		1.498	1.544	1.551	1.466	1.414	1.380	1.288	1.449	6.54
12)		1,3-Dichlorobe...		1.448	1.476	1.506	1.418	1.380	1.413	1.325	1.424	4.24
13)	C	1,4-Dichlorobe...		1.497	1.505	1.519	1.451	1.408	1.444	1.360	1.455	3.93
14)		1,2-Dichlorobe...		1.453	1.469	1.513	1.439	1.393	1.433	1.321	1.432	4.24
15)		Benzyl Alcohol		1.118	1.177	1.288	1.277	1.236	1.236	1.112	1.206	5.97
16)		2,2'-oxybis(1-...		1.956	1.971	2.009	1.894	1.822	1.727	1.549	1.847	8.82
17)		2-Methylphenol		1.170	1.261	1.377	1.357	1.312	1.313	1.175	1.281	6.45
18)		Hexachloroethane		0.513	0.528	0.544	0.529	0.521	0.523	0.488	0.521	3.33
19)	P	n-Nitroso-di-n...	1.013	1.052	1.127	1.233	1.214	1.160	1.110	0.974	1.110	8.35
20)		3+4-Methylphenols		1.581	1.715	1.858	1.858	1.797	1.809	1.622	1.749	6.40
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.496	0.515	0.560	0.549	0.532	0.519	0.485	0.522	5.21
23)	S	Nitrobenzene-d5		0.336	0.354	0.395	0.392	0.386	0.374	0.350	0.370	6.26
24)		Nitrobenzene		0.359	0.377	0.404	0.398	0.391	0.379	0.356	0.380	4.85
25)		Isophorone		0.598	0.654	0.737	0.752	0.739	0.725	0.679	0.698	8.06
26)	C	2-Nitrophenol		0.115	0.134	0.158	0.166	0.170	0.181	0.182	0.158	15.81
27)		2,4-Dimethylph...		0.275	0.290	0.323	0.326	0.319	0.322	0.310	0.309	6.31
28)		bis(2-Chloroet...		0.439	0.452	0.471	0.463	0.450	0.452	0.426	0.450	3.32
29)	C	2,4-Dichloroph...		0.233	0.256	0.286	0.297	0.296	0.312	0.305	0.284	10.15
30)		1,2,4-Trichlor...		0.266	0.272	0.288	0.287	0.287	0.305	0.307	0.287	5.35
31)		Naphthalene		1.045	1.075	1.128	1.103	1.072	1.089	1.028	1.077	3.14
32)		Benzoic acid			0.122	0.164	0.219	0.228	0.256	0.257	0.208	25.99
33)		4-Chloroaniline		0.426	0.449	0.495	0.500	0.494	0.513	0.481	0.480	6.47
34)	C	Hexachlorobuta...		0.140	0.141	0.149	0.149	0.149	0.162	0.165	0.151	6.34
35)		Caprolactam		0.068	0.080	0.100	0.106	0.106	0.113	0.108	0.097	17.20
36)	C	4-Chloro-3-met...		0.277	0.309	0.346	0.354	0.343	0.348	0.329	0.329	8.34
37)		2-Methylnaphth...		0.697	0.716	0.775	0.768	0.748	0.769	0.741	0.745	3.93
38)		1-Methylnaphth...		0.652	0.674	0.723	0.727	0.705	0.730	0.706	0.702	4.20

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.482	0.493	0.528	0.537	0.521	0.566	0.585	0.530	6.95
41)	P	Hexachlorocycl...	0.219	0.231	0.264	0.286	0.281	0.316	0.338	0.276	15.47
42)	S	2,4,6-Tribromo...		0.216	0.262	0.309	0.315	0.350	0.354	0.301	17.78
43)	C	2,4,6-Trichlor...	0.284	0.322	0.367	0.380	0.370	0.406	0.417	0.364	12.84
44)		2,4,5-Trichlor...	0.360	0.388	0.436	0.460	0.445	0.488	0.495	0.439	11.36
45)	S	2-Fluorobiphenyl	1.406	1.476	1.582	1.590	1.510	1.552	1.477	1.513	4.40
46)		1,1'-Biphenyl	1.532	1.570	1.668	1.656	1.593	1.628	1.578	1.604	3.08
47)		2-Chloronaphth...	1.103	1.135	1.226	1.227	1.203	1.241	1.206	1.191	4.37
48)		2-Nitroaniline	0.267	0.312	0.371	0.404	0.396	0.382	0.369	0.357	13.84
49)		Acenaphthylene	1.716	1.871	2.041	2.092	2.050	2.069	1.987	1.975	6.88
50)		Dimethylphthalate	1.424	1.505	1.606	1.606	1.569	1.618	1.590	1.560	4.53
51)		2,6-Dinitrotol...	0.250	0.280	0.314	0.329	0.327	0.343	0.346	0.313	11.30
52)	C	Acenaphthene	1.119	1.186	1.256	1.260	1.236	1.250	1.222	1.218	4.16
53)		3-Nitroaniline	0.294	0.344	0.396	0.422	0.418	0.433	0.424	0.390	13.33
54)	P	2,4-Dinitrophenol		0.100	0.135	0.163	0.172	0.196	0.205	0.162	24.13
55)		Dibenzofuran	1.774	1.849	1.960	1.973	1.932	1.955	1.897	1.906	3.79
56)	P	4-Nitrophenol	0.225	0.271	0.326	0.342	0.342	0.358	0.348	0.316	15.60
57)		2,4-Dinitrotol...	0.300	0.349	0.415	0.443	0.449	0.482	0.482	0.417	16.48
58)		Fluorene	1.384	1.479	1.648	1.717	1.674	1.673	1.592	1.595	7.58
59)		2,3,4,6-Tetrac...	0.270	0.293	0.334	0.356	0.359	0.390	0.400	0.343	13.95
60)		Diethylphthalate	1.409	1.485	1.629	1.671	1.638	1.646	1.601	1.583	6.16
61)		4-Chlorophenyl...	0.621	0.660	0.740	0.796	0.787	0.816	0.800	0.746	10.24
62)		4-Nitroaniline	0.288	0.354	0.439	0.465	0.458	0.459	0.446	0.416	16.31
63)		Azobenzene	1.348	1.498	1.682	1.724	1.615	1.499	1.406	1.539	9.10
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.077	0.098	0.113	0.117	0.133	0.134	0.112	19.31
66)	c	n-Nitrosodiphe...	0.554	0.600	0.662	0.693	0.683	0.713	0.681	0.655	8.69
67)		4-Bromophenyl-...	0.160	0.175	0.194	0.206	0.209	0.232	0.230	0.201	13.34
68)		Hexachlorobenzene	0.191	0.198	0.221	0.239	0.239	0.262	0.263	0.230	12.34
69)		Atrazine	0.137	0.148	0.177	0.190	0.192	0.205	0.204	0.179	15.03
70)	C	Pentachlorophenol		0.125	0.151	0.171	0.175	0.195	0.199	0.169	16.55
71)		Phenanthrene	1.034	1.083	1.164	1.216	1.207	1.253	1.201	1.165	6.76
72)		Anthracene	0.930	1.024	1.162	1.242	1.251	1.290	1.240	1.163	11.62
73)		Carbazole	0.905	0.996	1.128	1.188	1.181	1.207	1.158	1.109	10.29
74)		Di-n-butylphth...	0.943	1.040	1.258	1.374	1.376	1.389	1.325	1.244	14.47
75)	C	Fluoranthene	0.960	1.045	1.210	1.313	1.329	1.418	1.381	1.237	14.08
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.312	0.350	0.424	0.398	0.416	0.353	0.376	11.80
78)		Pyrene	1.161	1.266	1.372	1.371	1.338	1.460	1.368	1.334	7.13
79)	S	Terphenyl-d14	0.934	1.055	1.236	1.289	1.191	1.064	0.826	1.085	15.36
80)		Butylbenzylpht...	0.390	0.447	0.550	0.593	0.582	0.614	0.598	0.539	16.02
81)		Benzo(a)anthra...	1.158	1.236	1.379	1.445	1.430	1.502	1.396	1.364	8.97
82)		3,3'-Dichlorob...	0.303	0.361	0.454	0.507	0.498	0.537	0.512	0.453	19.38
83)		Chrysene	1.104	1.174	1.291	1.371	1.354	1.426	1.324	1.292	8.86
84)		Bis(2-ethylhex...	0.555	0.658	0.854	0.921	0.872	0.883	0.829	0.796	17.05
85)	c	Di-n-octyl pht...	0.865	1.012	1.296	1.469	1.453	1.526	1.428	1.293	19.75

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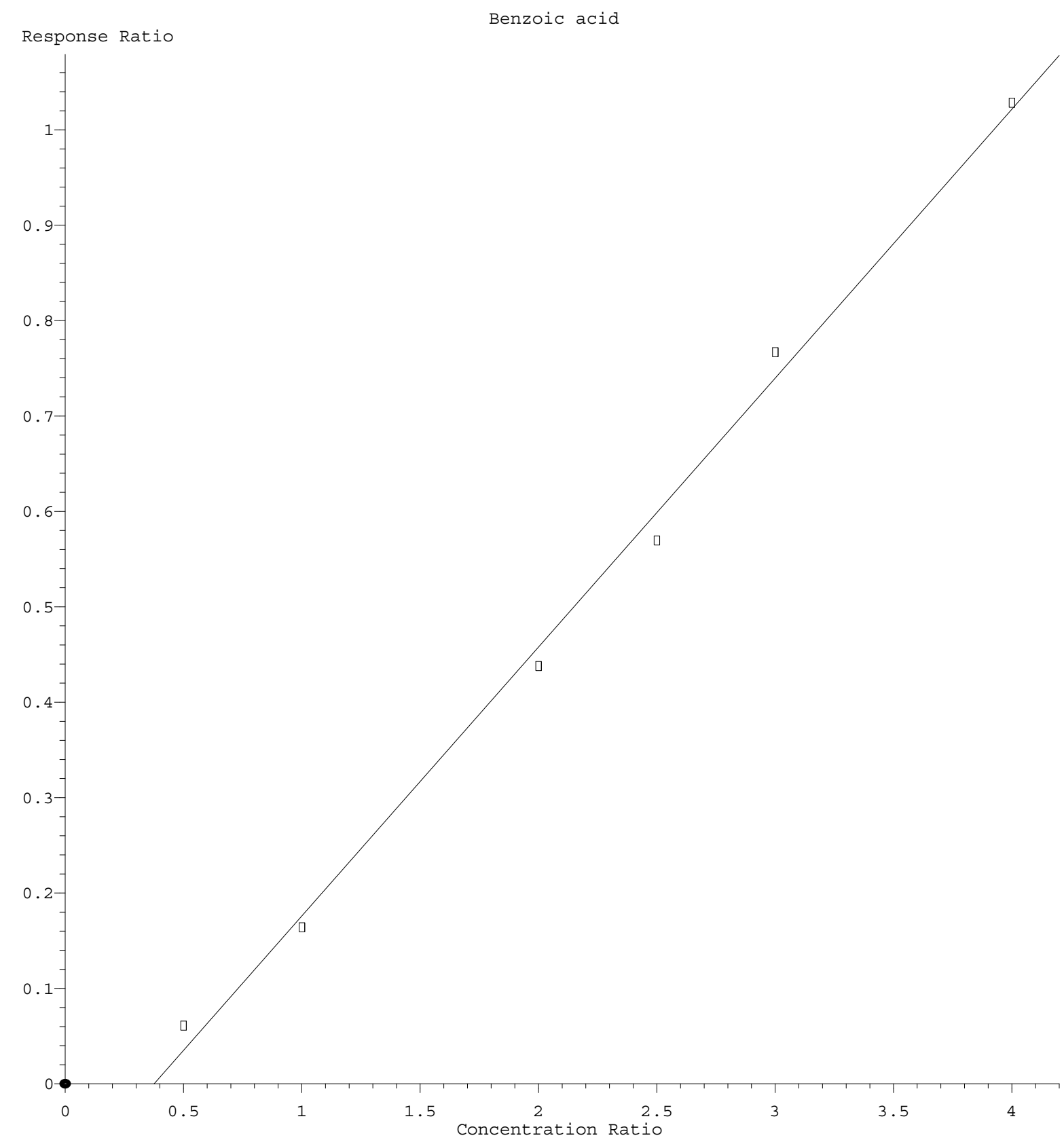
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.084	1.273	1.499	1.668	1.665	1.748	1.559	1.500	16.01
88)		Benzo(b)fluora...	0.932	1.008	1.196	1.300	1.257	1.368	1.417	1.211	14.94
89)		Benzo(k)fluora...	0.926	1.081	1.219	1.362	1.337	1.481	1.455	1.266	16.06
90)	C	Benzo(a)pyrene	0.834	0.952	1.112	1.241	1.242	1.362	1.355	1.157	17.44
91)		Dibenzo(a,h)an...	0.916	1.080	1.279	1.453	1.446	1.526	1.363	1.295	17.14
92)		Benzo(g,h,i)pe...	0.863	1.001	1.115	1.220	1.224	1.256	1.106	1.112	12.68

(#) = Out of Range



Response = 2.818e-001 * Amt - 1.060e-001
Coef of Det (r^2) = 0.995707 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM060823.M
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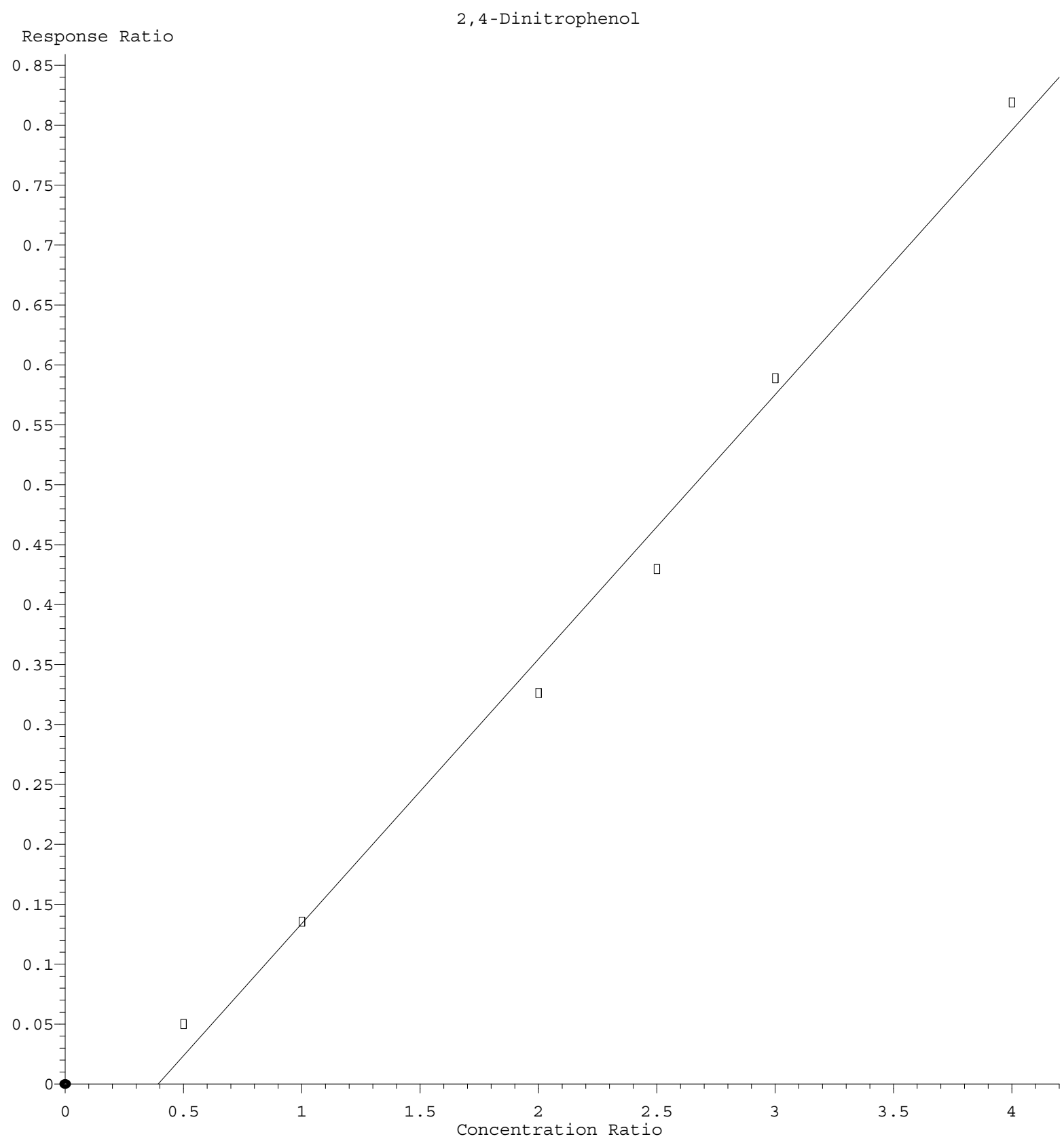

Response = 2.207e-001 * Amt - 8.674e-002
Coef of Det (r^2) = 0.991528 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM060823.M
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