Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 08 02:12:01 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136168.D 5 =BF136169.D 10 =BF136170.D 20 =BF136171.D 40 =BF136172.D 50 =BF136173.D 60 =BF136174.D 80 =BF1361
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.471	0.481	0.515	0.507	0.492	0.524	0.530	0.503	4.44
3)		Pyridine		1.331	1.245	1.379	1.354	1.327	1.386	1.439	1.352	4.50
4)		n-Nitrosodimet...		0.590	0.559	0.640	0.621	0.611	0.644	0.674	0.620	6.14
5)	S	2-Fluorophenol		1.273	1.217	1.325	1.244	1.194	1.270	1.269	1.256	3.40
6)		Aniline		2.010	1.900	2.095	1.942	1.869	1.960	1.938	1.959	3.81
7)	S	Phenol-d6		1.609	1.488	1.638	1.530	1.476	1.533	1.546	1.546	3.83
8)		2-Chlorophenol		1.412	1.319	1.452	1.337	1.287	1.327	1.331	1.352	4.29
9)		Benzaldehyde		1.035	0.925	0.979	0.859	0.801	0.827	0.830	0.894	9.83
10)	C	Phenol		1.720	1.670	1.823	1.678	1.635	1.650	1.641	1.688	3.91
11)		bis(2-Chloroet...		1.308	1.199	1.307	1.227	1.176	1.233	1.234	1.241	4.05
12)		1,3-Dichlorobe...		1.470	1.362	1.496	1.427	1.380	1.411	1.438	1.426	3.33
13)	C	1,4-Dichlorobe...		1.474	1.386	1.500	1.414	1.374	1.427	1.436	1.430	3.15
14)		1,2-Dichlorobe...		1.436	1.321	1.427	1.320	1.283	1.312	1.312	1.344	4.54
15)		Benzyl Alcohol		1.168	1.120	1.240	1.153	1.123	1.154	1.135	1.156	3.53
16)		2,2'-oxybis(1-...		1.709	1.580	1.714	1.601	1.548	1.594	1.599	1.621	3.99
17)		2-Methylphenol		1.181	1.081	1.184	1.115	1.080	1.120	1.137	1.128	3.77
18)		Hexachloroethane		0.533	0.497	0.557	0.517	0.502	0.521	0.527	0.522	3.86
19)	P	n-Nitroso-di-n...	0.897	0.927	0.879	0.953	0.870	0.851	0.880	0.883	0.892	3.67
20)		3+4-Methylphenols		1.566	1.402	1.521	1.381	1.328	1.331	1.327	1.408	6.93
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.485	0.458	0.482	0.464	0.439	0.451	0.454	0.462	3.61
23)	S	Nitrobenzene-d5		0.352	0.335	0.372	0.367	0.354	0.362	0.367	0.358	3.53
24)		Nitrobenzene		0.341	0.330	0.360	0.357	0.346	0.347	0.361	0.349	3.24
25)		Isophorone		0.603	0.584	0.637	0.633	0.612	0.622	0.639	0.619	3.26
26)	C	2-Nitrophenol		0.145	0.151	0.176	0.182	0.174	0.177	0.180	0.169	8.71
27)		2,4-Dimethylph...		0.268	0.270	0.297	0.297	0.279	0.288	0.288	0.284	4.18
28)		bis(2-Chloroet...		0.366	0.355	0.392	0.378	0.365	0.377	0.377	0.373	3.19
29)	C	2,4-Dichloroph...		0.264	0.266	0.290	0.288	0.270	0.279	0.280	0.277	3.81
30)		1,2,4-Trichlor...		0.309	0.299	0.319	0.315	0.299	0.306	0.311	0.308	2.48
31)		Naphthalene		1.005	0.961	1.033	1.007	0.949	0.975	0.966	0.985	3.07
32)		Benzoic acid			0.134	0.179	0.202	0.208	0.208	0.225	0.193	16.66
33)		4-Chloroaniline		0.397	0.390	0.429	0.429	0.397	0.409	0.408	0.409	3.80
34)	C	Hexachlorobuta...		0.190	0.176	0.195	0.194	0.185	0.186	0.186	0.187	3.45
35)		Caprolactam		0.075	0.074	0.083	0.084	0.082	0.082	0.080	0.080	5.02
36)	C	4-Chloro-3-met...		0.276	0.274	0.305	0.306	0.288	0.293	0.292	0.291	4.32
37)		2-Methylnaphth...		0.677	0.644	0.694	0.677	0.637	0.647	0.647	0.661	3.32
38)		1-Methylnaphth...		0.627	0.600	0.643	0.628	0.589	0.600	0.602	0.613	3.20

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.608	0.587	0.622	0.618	0.554	0.595	0.612	0.599	3.91
41)	P	Hexachlorocycl...	0.234	0.263	0.311	0.338	0.314	0.342	0.362	0.309	14.82
42)	S	2,4,6-Tribromo...	0.204	0.199	0.222	0.226	0.202	0.208	0.204	0.209	5.05
43)	C	2,4,6-Trichlor...	0.361	0.357	0.387	0.397	0.357	0.381	0.388	0.375	4.49
44)		2,4,5-Trichlor...	0.431	0.396	0.438	0.456	0.417	0.441	0.447	0.432	4.66
45)	S	2-Fluorobiphenyl	1.459	1.361	1.438	1.377	1.245	1.277	1.314	1.353	5.88
46)		1,1'-Biphenyl	1.633	1.544	1.655	1.625	1.462	1.524	1.543	1.569	4.45
47)		2-Chloronaphth...	1.146	1.131	1.203	1.190	1.077	1.124	1.159	1.147	3.70
48)		2-Nitroaniline	0.324	0.322	0.364	0.375	0.338	0.357	0.368	0.350	6.22
49)		Acenaphthylene	1.789	1.721	1.853	1.841	1.678	1.753	1.759	1.771	3.54
50)		Dimethylphthalate	1.367	1.317	1.436	1.410	1.279	1.318	1.332	1.351	4.14
51)		2,6-Dinitrotol...	0.271	0.278	0.308	0.315	0.285	0.294	0.301	0.293	5.45
52)	C	Acenaphthene	1.139	1.138	1.229	1.244	1.128	1.186	1.192	1.179	3.91
53)		3-Nitroaniline	0.286	0.294	0.329	0.339	0.308	0.315	0.318	0.313	5.99
54)	P	2,4-Dinitrophenol		0.070	0.103	0.135	0.127	0.135	0.147	0.120	23.60
55)		Dibenzofuran	1.676	1.619	1.717	1.719	1.538	1.599	1.610	1.640	4.07
56)	P	4-Nitrophenol	0.159	0.174	0.220	0.235	0.219	0.218	0.229	0.208	13.96
57)		2,4-Dinitrotol...	0.336	0.355	0.395	0.410	0.361	0.377	0.372	0.372	6.69
58)		Fluorene	1.288	1.264	1.336	1.299	1.152	1.188	1.185	1.244	5.57
59)		2,3,4,6-Tetrac...	0.305	0.307	0.356	0.354	0.320	0.325	0.326	0.328	6.26
60)		Diethylphthalate	1.528	1.381	1.432	1.395	1.245	1.260	1.249	1.356	8.01
61)		4-Chlorophenyl...	0.671	0.633	0.687	0.658	0.576	0.605	0.598	0.633	6.56
62)		4-Nitroaniline	0.263	0.257	0.299	0.321	0.282	0.283	0.289	0.285	7.53
63)		Azobenzene	1.183	1.155	1.252	1.266	1.119	1.175	1.153	1.186	4.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.099	0.114	0.111	0.116	0.122	0.106	16.02
66)	c	n-Nitrosodiphe...	0.614	0.602	0.660	0.655	0.599	0.644	0.668	0.635	4.57
67)		4-Bromophenyl-...	0.211	0.204	0.229	0.236	0.215	0.228	0.236	0.223	5.68
68)		Hexachlorobenzene	0.227	0.225	0.240	0.247	0.229	0.238	0.249	0.236	4.19
69)		Atrazine	0.179	0.165	0.176	0.162	0.149	0.151	0.143	0.161	8.65
70)	C	Pentachlorophenol	0.101	0.112	0.135	0.148	0.136	0.142	0.152	0.132	14.14
71)		Phenanthrene	1.035	1.002	1.081	1.064	0.962	1.000	1.025	1.024	3.96
72)		Anthracene	1.043	1.007	1.101	1.089	0.995	1.030	1.052	1.045	3.75
73)		Carbazole	0.826	0.802	0.897	0.886	0.798	0.816	0.840	0.838	4.68
74)		Di-n-butylphth...	0.990	0.952	1.052	1.057	0.970	0.950	0.966	0.991	4.55
75)	C	Fluoranthene	0.963	0.908	1.003	1.008	0.897	0.874	0.896	0.935	5.89
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.424	0.381	0.375	0.291	0.299	0.307	0.346	15.79
78)		Pyrene	1.866	1.841	2.075	1.958	1.789	1.791	1.773	1.870	5.89
79)	S	Terphenyl-d14	1.455	1.428	1.600	1.462	1.314	1.323	1.281	1.409	7.91
80)		Butylbenzylpht...	0.538	0.523	0.640	0.659	0.607	0.589	0.615	0.596	8.38
81)		Benzo(a)anthra...	1.264	1.236	1.387	1.387	1.289	1.327	1.396	1.327	4.94
82)		3,3'-Dichlorob...	0.361	0.367	0.427	0.464	0.432	0.450	0.481	0.426	10.81
83)		Chrysene	1.252	1.201	1.346	1.345	1.250	1.293	1.396	1.298	5.26
84)		Bis(2-ethylhex...	0.669	0.641	0.737	0.794	0.736	0.714	0.744	0.719	7.05
85)	c	Di-n-octyl pht...		0.916	1.101	1.286	1.214	1.282	1.427	1.204	14.67

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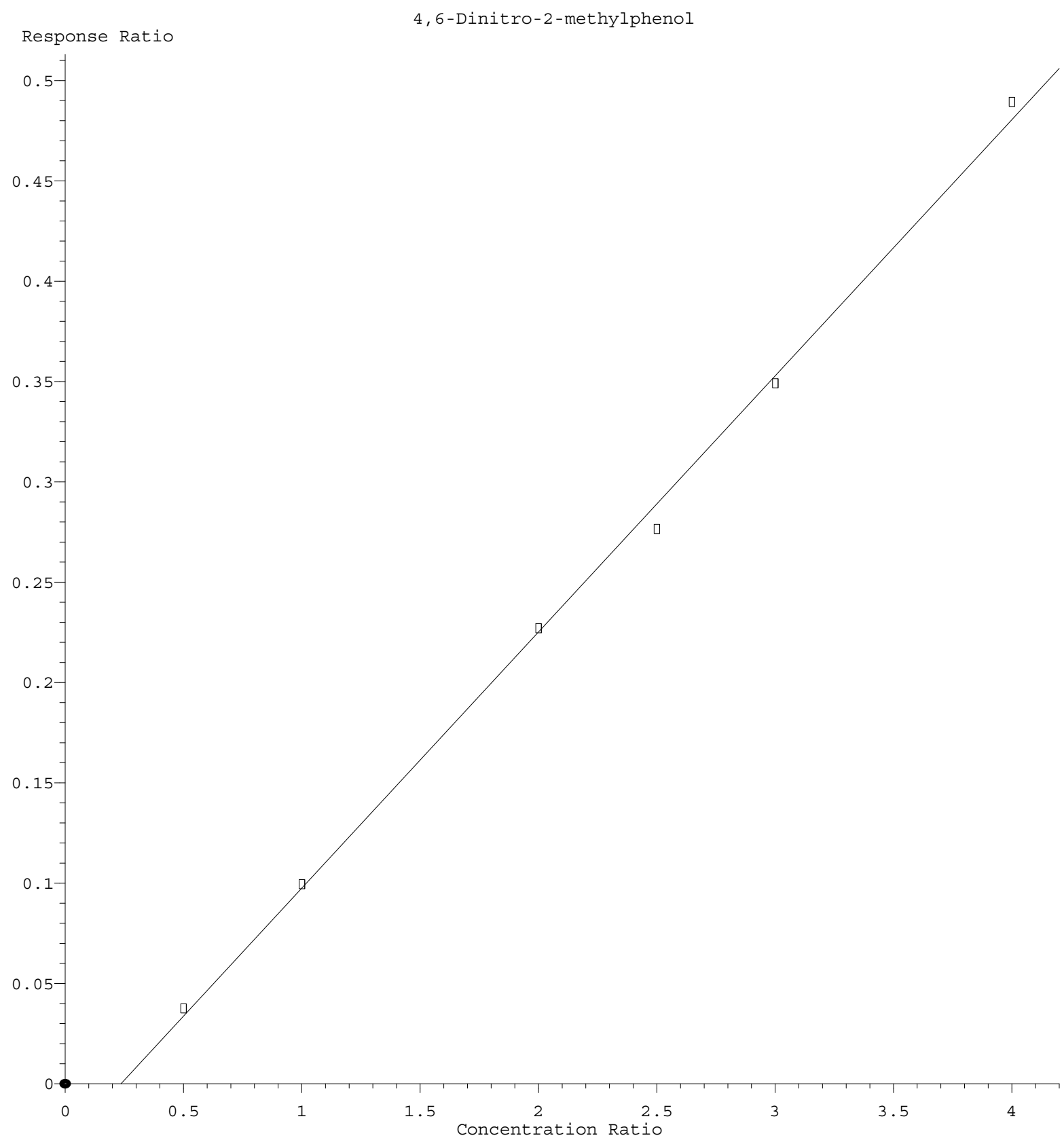
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.261	1.372	1.568	1.510	1.434	1.546	1.567	1.465	7.91
88)		Benzo(b)fluora...	1.060	1.021	1.129	1.171	1.071	1.092	1.184	1.104	5.42
89)		Benzo(k)fluora...	1.073	1.046	1.196	1.161	1.068	1.122	1.116	1.112	4.83
90)	C	Benzo(a)pyrene	0.963	1.013	1.138	1.143	1.076	1.125	1.165	1.089	6.94
91)		Dibenzo(a,h)an...	1.063	1.143	1.304	1.253	1.195	1.265	1.278	1.214	7.07
92)		Benzo(g,h,i)pe...	1.067	1.170	1.331	1.255	1.208	1.290	1.298	1.231	7.39

(#) = Out of Range



Response = 1.277e-001 * Amt - 3.008e-002
Coef of Det (r^2) = 0.998011 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110723.M
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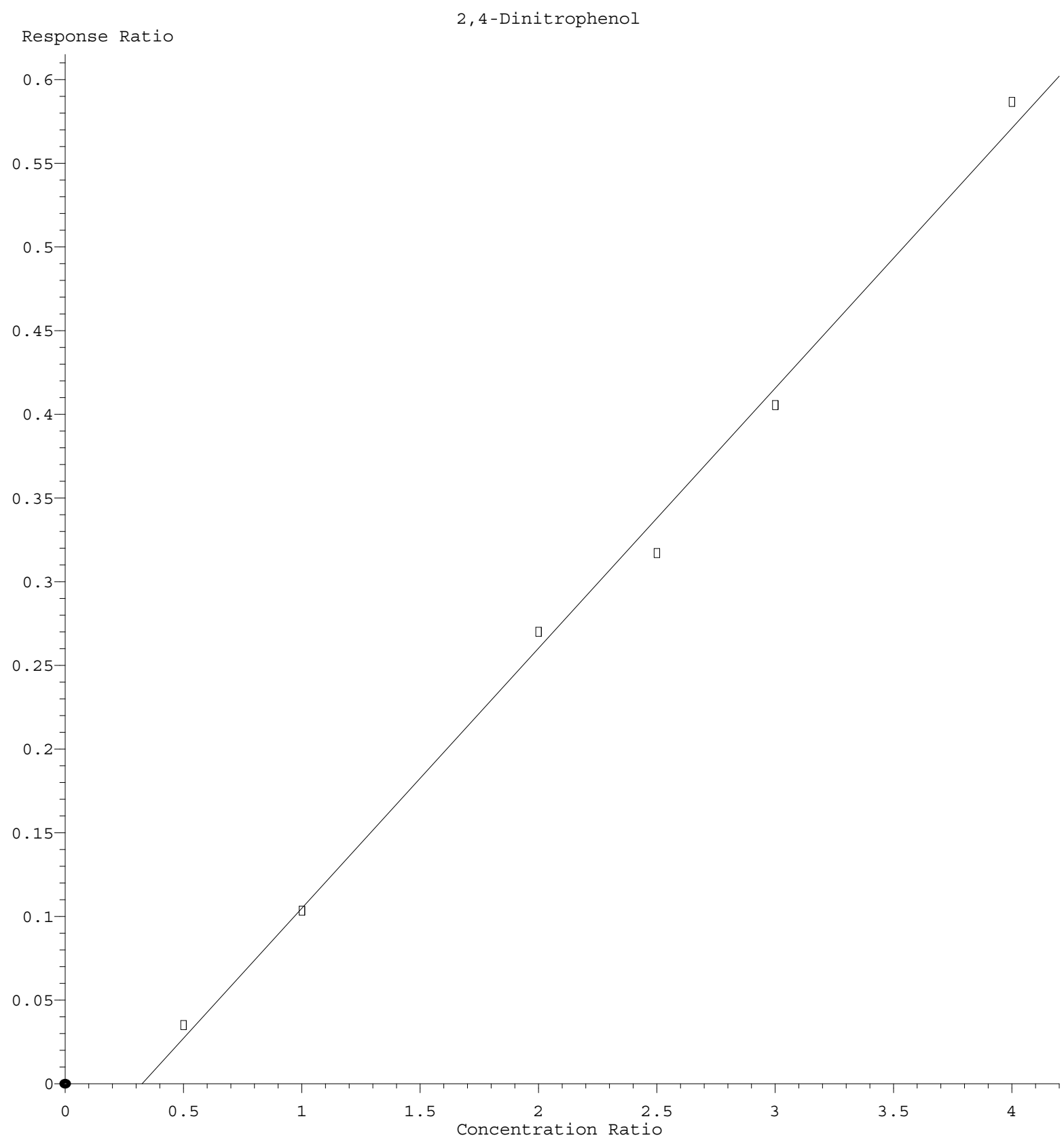

Response = 1.554e-001 * Amt - 5.043e-002
Coef of Det (r^2) = 0.995345 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110723.M
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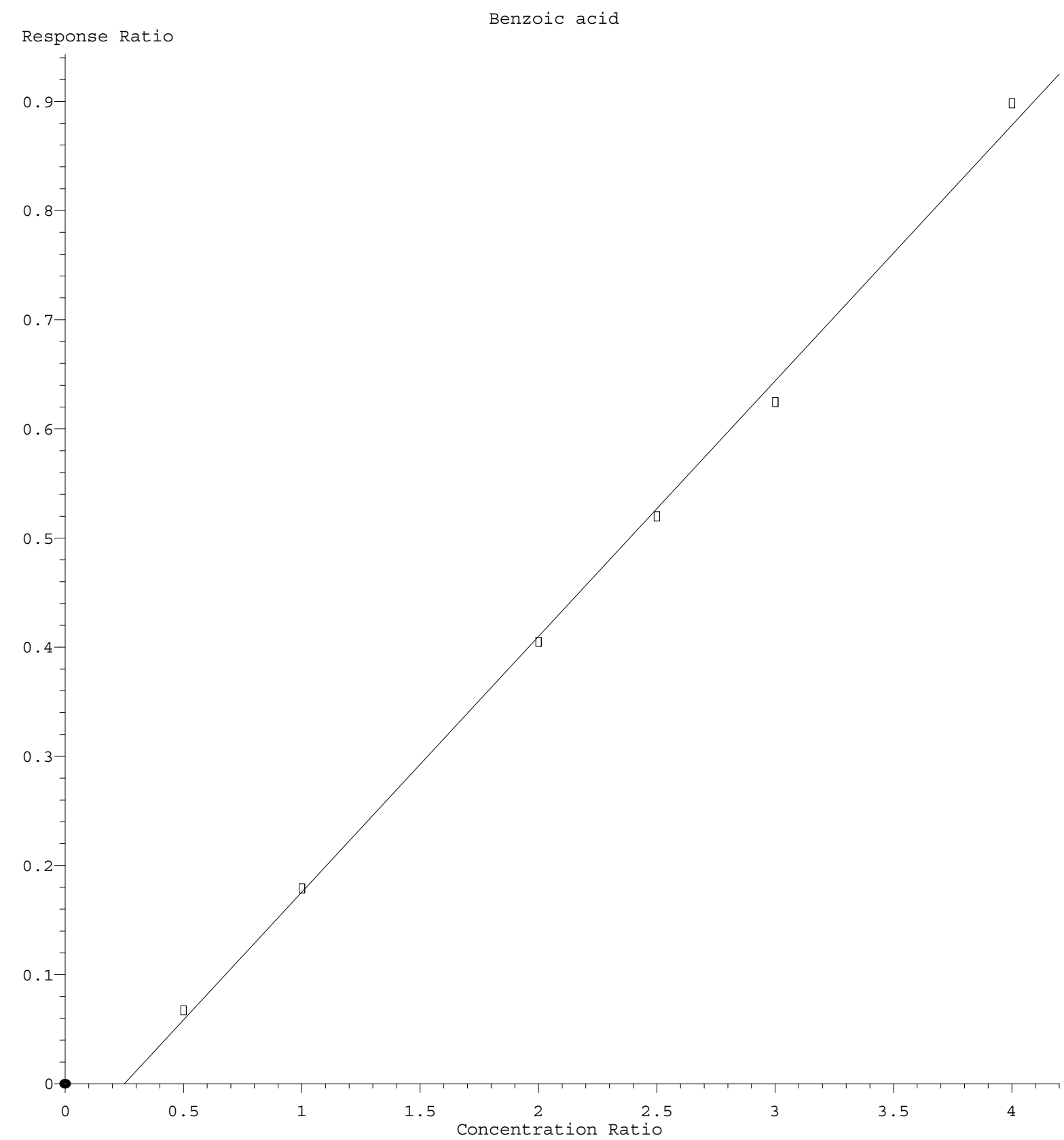

Response = 2.342e-001 * Amt - 5.862e-002
Coef of Det (r^2) = 0.997943 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110723.M
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