Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 25 01:46:04 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF134427.D 5 =BF134428.D 10 =BF134429.D 20 =BF134430.D 40 =BF134431.D 50 =BF134432.D 60 =BF134433.D 80 =BF1344
34.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.558	0.517	0.535	0.505	0.485	0.520	0.473	0.513	5.62
3)		Pyridine		0.951	1.128	1.205	1.226	1.192	1.221	1.144	1.153	8.34
4)		n-Nitrosodimet...		0.555	0.639	0.738	0.691	0.706	0.739	0.700	0.681	9.55
5)	S	2-Fluorophenol		1.153	1.231	1.311	1.266	1.166	1.221	1.126	1.211	5.46
6)		Aniline		1.728	1.863	1.890	1.789	1.672	1.719	1.575	1.748	6.26
7)	S	Phenol-d6		1.506	1.570	1.615	1.483	1.407	1.456	1.345	1.483	6.22
8)		2-Chlorophenol		1.265	1.281	1.316	1.252	1.162	1.201	1.107	1.226	5.97
9)		Benzaldehyde			0.931	0.895	0.749	0.705	0.690		0.794	14.01
10)	C	Phenol		1.606	1.569	1.663	1.568	1.457	1.533	1.406	1.543	5.68
11)		bis(2-Chloroet...		1.187	1.110	1.091	1.067	1.005	1.089	0.992	1.077	6.13
12)		1,3-Dichlorobe...		1.332	1.353	1.431	1.369	1.240	1.310	1.194	1.319	6.05
13)	C	1,4-Dichlorobe...		1.482	1.400	1.450	1.386	1.245	1.323	1.214	1.357	7.44
14)		1,2-Dichlorobe...		1.367	1.339	1.379	1.270	1.184	1.251	1.134	1.275	7.31
15)		Benzyl Alcohol		1.109	1.122	1.242	1.217	1.109	1.163	1.055	1.145	5.77
16)		2,2'-oxybis(1-...		1.635	1.692	1.667	1.590	1.514	1.579	1.428	1.586	5.77
17)		2-Methylphenol		1.209	1.112	1.159	1.122	1.017	1.062	0.974	1.094	7.47
18)		Hexachloroethane		0.544	0.559	0.561	0.518	0.488	0.511	0.468	0.521	6.80
19)	P	n-Nitroso-di-n...	1.030	0.926	0.966	0.980	0.928	0.855	0.886	0.816	0.923	7.54
20)		3+4-Methylphenols		1.477	1.518	1.508	1.423	1.294	1.337	1.245	1.400	7.79
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.503	0.522	0.518	0.503	0.476	0.490	0.470	0.497	4.00
23)	S	Nitrobenzene-d5		0.383	0.396	0.407	0.404	0.388	0.401	0.389	0.395	2.30
24)		Nitrobenzene		0.398	0.390	0.403	0.392	0.385	0.401	0.383	0.393	1.96
25)		Isophorone		0.657	0.670	0.674	0.668	0.644	0.662	0.637	0.659	2.11
26)	C	2-Nitrophenol		0.165	0.180	0.190	0.186	0.181	0.185	0.178	0.181	4.35
27)		2,4-Dimethylph...		0.281	0.293	0.298	0.288	0.277	0.281	0.279	0.285	2.72
28)		bis(2-Chloroet...		0.363	0.370	0.379	0.368	0.362	0.371	0.353	0.367	2.27
29)	C	2,4-Dichloroph...		0.284	0.293	0.291	0.292	0.277	0.286	0.274	0.285	2.62
30)		1,2,4-Trichlor...		0.314	0.317	0.312	0.315	0.298	0.306	0.293	0.308	3.04
31)		Naphthalene		0.988	1.042	1.028	1.011	0.951	0.996	0.952	0.995	3.53
32)		Benzoic acid		0.150	0.168	0.197	0.203	0.191	0.211	0.214	0.191	12.36
33)		4-Chloroaniline		0.414	0.417	0.431	0.422	0.394	0.403	0.399	0.411	3.19
34)	C	Hexachlorobuta...		0.204	0.215	0.218	0.212	0.197	0.204	0.193	0.206	4.45
35)		Caprolactam		0.080	0.092	0.086	0.091	0.086	0.089	0.086	0.087	4.47
36)	C	4-Chloro-3-met...		0.327	0.336	0.331	0.336	0.322	0.332	0.319	0.329	1.98
37)		2-Methylnaphth...		0.722	0.711	0.716	0.702	0.660	0.681	0.651	0.692	4.06
38)		1-Methylnaphth...		0.671	0.644	0.673	0.650	0.620	0.632	0.601	0.642	4.10

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.655	0.661	0.654	0.582	0.614	0.652	0.620	0.634	4.61
41)	P	Hexachlorocycl...		0.060	0.111	0.151	0.182	0.193	0.216	0.152	38.06
42)	S	2,4,6-Tribromo...	0.274	0.274	0.300	0.293	0.277	0.292	0.279	0.284	3.78
43)	C	2,4,6-Trichlor...	0.404	0.409	0.420	0.417	0.389	0.410	0.398	0.407	2.64
44)		2,4,5-Trichlor...	0.459	0.452	0.503	0.492	0.454	0.488	0.469	0.474	4.34
45)	S	2-Fluorobiphenyl	1.576	1.594	1.604	1.555	1.427	1.499	1.408	1.523	5.26
46)		1,1'-Biphenyl	1.667	1.679	1.735	1.681	1.559	1.642	1.576	1.648	3.77
47)		2-Chloronaphth...	1.231	1.248	1.258	1.234	1.144	1.221	1.170	1.215	3.47
48)		2-Nitroaniline	0.408	0.418	0.441	0.461	0.430	0.460	0.445	0.438	4.66
49)		Acenaphthylene	2.042	2.114	2.151	2.112	1.923	2.074	1.955	2.053	4.17
50)		Dimethylphthalate	1.433	1.488	1.541	1.523	1.429	1.511	1.453	1.483	3.03
51)		2,6-Dinitrotol...	0.326	0.316	0.332	0.339	0.308	0.335	0.321	0.325	3.36
52)	C	Acenaphthene	1.250	1.200	1.264	1.249	1.146	1.216	1.164	1.213	3.74
53)		3-Nitroaniline	0.343	0.375	0.402	0.386	0.364	0.376	0.364	0.373	4.95
54)	P	2,4-Dinitrophenol		0.089	0.122	0.149	0.158	0.167	0.173	0.143	22.41
55)		Dibenzofuran	1.892	1.872	1.997	1.910	1.769	1.872	1.755	1.867	4.46
56)	P	4-Nitrophenol		0.153	0.189	0.205	0.208	0.222	0.217	0.199	12.63
57)		2,4-Dinitrotol...	0.419	0.422	0.451	0.461	0.423	0.455	0.428	0.437	4.09
58)		Fluorene	1.504	1.530	1.563	1.546	1.440	1.513	1.444	1.506	3.17
59)		2,3,4,6-Tetrac...	0.378	0.349	0.356	0.374	0.353	0.376	0.361	0.364	3.33
60)		Diethylphthalate	1.552	1.545	1.581	1.560	1.465	1.564	1.478	1.535	2.92
61)		4-Chlorophenyl...	0.726	0.714	0.765	0.742	0.688	0.716	0.683	0.719	4.03
62)		4-Nitroaniline	0.342	0.370	0.399	0.402	0.378	0.399	0.389	0.383	5.64
63)		Azobenzene	1.426	1.396	1.444	1.442	1.364	1.442	1.376	1.413	2.40
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.113	0.121	0.116	0.123	0.120	0.115	9.04
66)	c	n-Nitrosodiphe...	0.650	0.657	0.662	0.653	0.605	0.626	0.601	0.636	4.00
67)		4-Bromophenyl-...	0.228	0.221	0.229	0.222	0.210	0.217	0.207	0.219	3.92
68)		Hexachlorobenzene	0.248	0.259	0.258	0.250	0.237	0.242	0.233	0.247	4.03
69)		Atrazine	0.190	0.190	0.187	0.186	0.167	0.166	0.156	0.177	7.85
70)	C	Pentachlorophenol		0.090	0.096	0.108	0.103	0.113	0.112	0.104	8.86
71)		Phenanthrene	1.030	1.104	1.101	1.069	1.006	1.025	0.981	1.045	4.54
72)		Anthracene	1.044	1.134	1.119	1.111	1.047	1.076	1.019	1.079	4.05
73)		Carbazole	1.002	1.050	1.057	1.031	0.989	1.017	0.964	1.016	3.28
74)		Di-n-butylphth...	1.180	1.197	1.205	1.197	1.140	1.154	1.089	1.166	3.58
75)	C	Fluoranthene	1.267	1.261	1.256	1.229	1.176	1.200	1.135	1.218	4.08
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.495	0.435	0.439	0.431	0.370	0.393	0.427	10.07
78)		Pyrene	1.521	1.515	1.603	1.594	1.606	1.648	1.645	1.590	3.36
79)	S	Terphenyl-d14	1.100	1.119	1.166	1.147	1.144	1.181	1.162	1.146	2.44
80)		Butylbenzylpht...	0.604	0.602	0.646	0.653	0.652	0.666	0.636	0.637	3.87
81)		Benzo(a)anthra...	1.435	1.405	1.450	1.381	1.361	1.406	1.329	1.395	3.00
82)		3,3'-Dichlorob...	0.467	0.459	0.484	0.441	0.426	0.422	0.395	0.442	6.88
83)		Chrysene	1.353	1.335	1.428	1.347	1.315	1.302	1.262	1.335	3.85
84)		Bis(2-ethylhex...	0.778	0.736	0.800	0.788	0.793	0.787	0.735	0.774	3.52
85)	c	Di-n-octyl pht...	1.079	1.076	1.083	1.092	1.072	1.086	1.040	1.075	1.59

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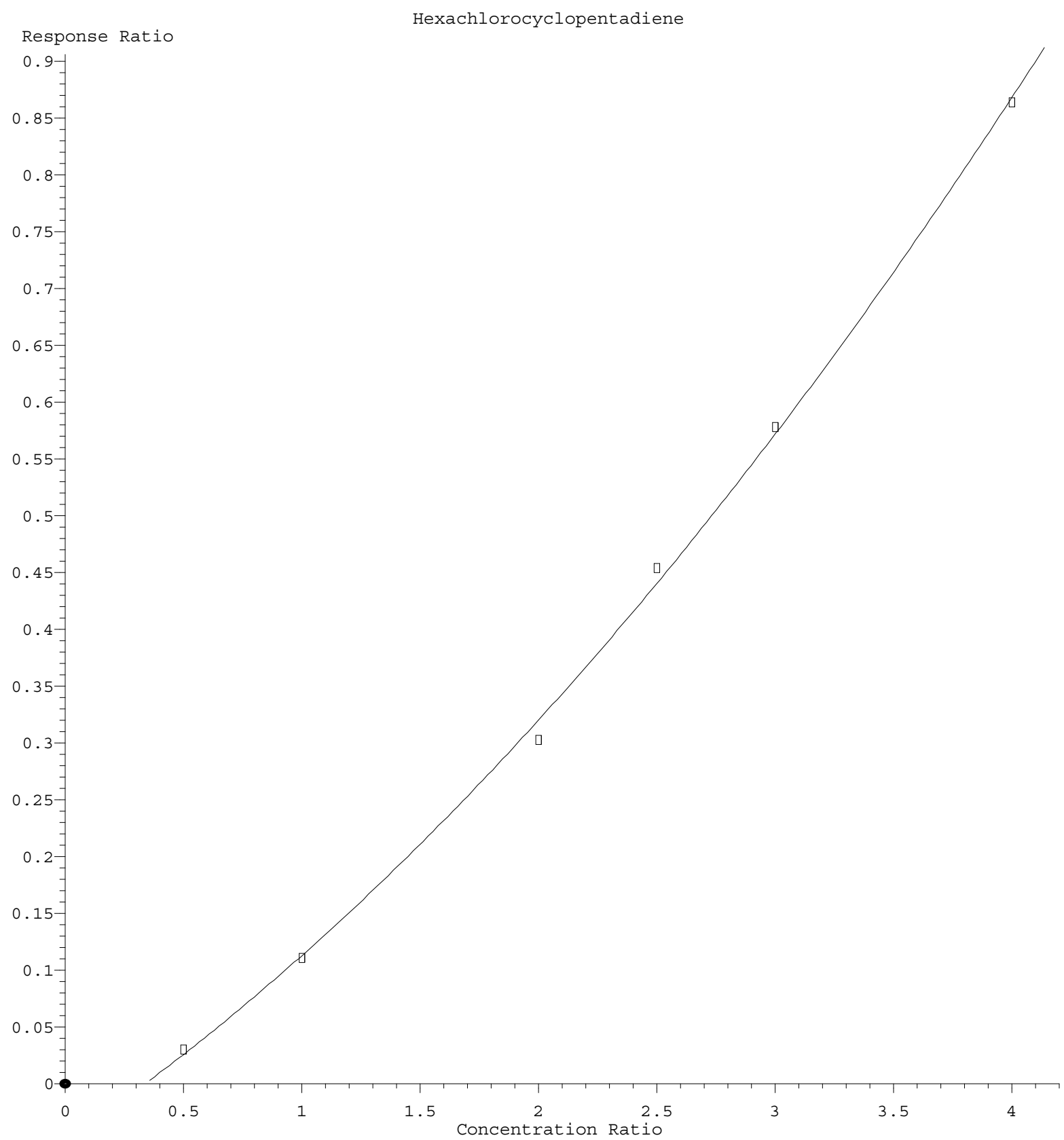
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.101	1.114	1.222	1.371	1.370	1.490	1.477	1.307	12.40
88)		Benzo(b)fluora...	1.244	1.340	1.312	1.216	1.214	1.275	1.156	1.251	5.03
89)		Benzo(k)fluora...	1.229	1.240	1.329	1.284	1.158	1.216	1.158	1.230	5.07
90)	C	Benzo(a)pyrene	1.128	1.172	1.197	1.172	1.136	1.171	1.119	1.157	2.48
91)		Dibenzo(a,h)an...	0.909	0.869	0.992	1.100	1.109	1.211	1.197	1.055	12.80
92)		Benzo(g,h,i)pe...	0.878	0.887	1.045	1.125	1.152	1.255	1.243	1.083	14.30

(#) = Out of Range



R = 2.221e-002 A*A + 1.407e-001 A - 5.007e-002
Coef of Det (r^2) = 0.998824 Curve Fit: Quadratic
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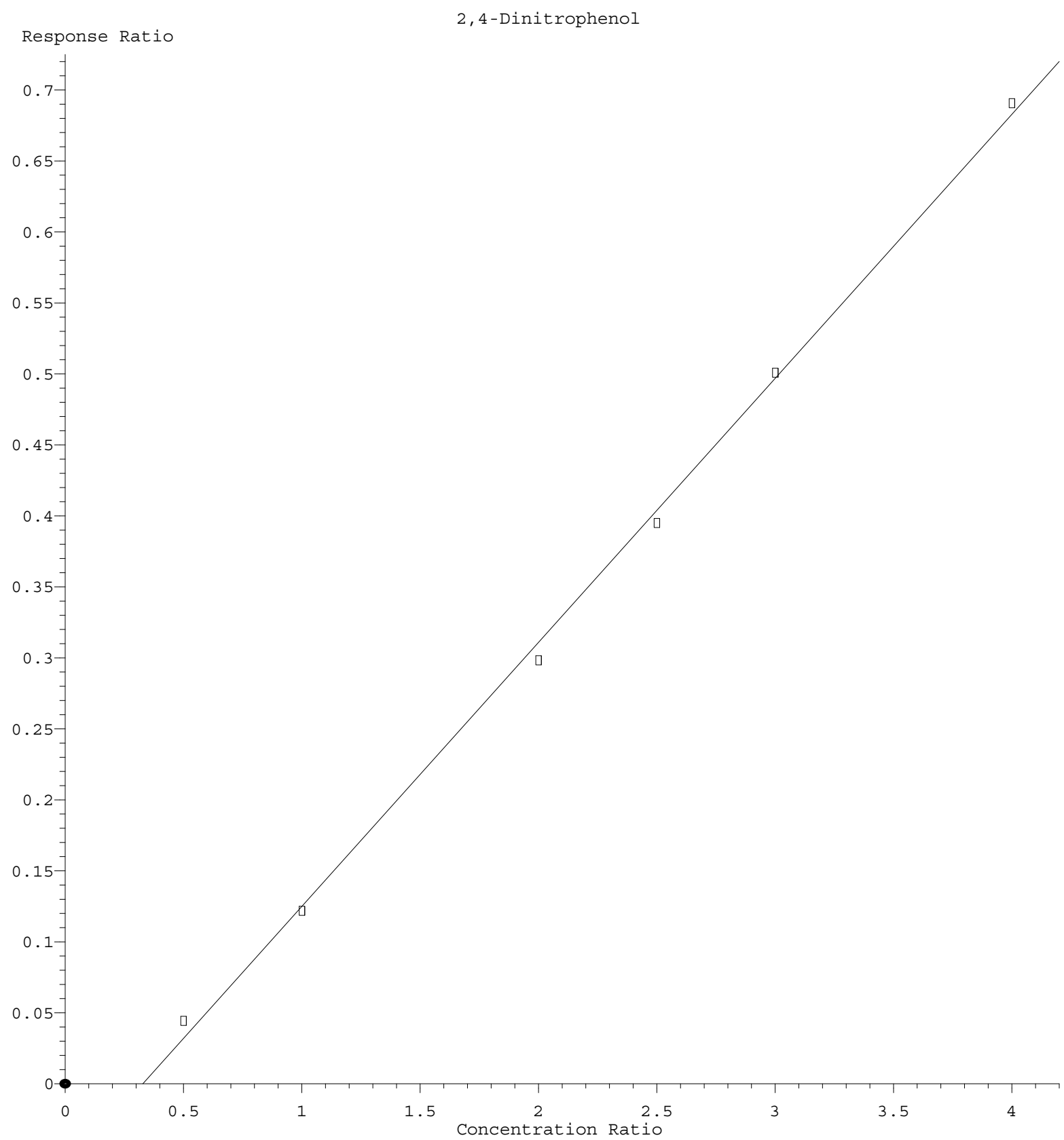

Response = 1.859e-001 * Amt - 6.107e-002
Coef of Det (r^2) = 0.998349 Curve Fit: Linear
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