Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Mar 17 03:35:59 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF132812.D 5 =BF132813.D 10 =BF132814.D 20 =BF132815.D 40 =BF132816.D 50 =BF132817.D 60 =BF132818.D 80 =BF1328
19.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.682	0.686	0.730	0.659	0.646	0.648	0.627	0.668	5.13
3)		Pyridine		1.347	1.527	1.771	1.709	1.740	1.766	1.648	1.644	9.50
4)		n-Nitrosodimet...		0.572	0.587	0.657	0.615	0.616	0.638	0.587	0.610	5.00
5)	S	2-Fluorophenol		1.356	1.374	1.379	1.128	1.069	1.080	0.912	1.185	15.59
6)		Aniline		1.542	1.872	2.020	1.826	1.802	1.695	1.614	1.767	9.20
7)	S	Phenol-d6		1.819	1.782	1.734	1.467	1.385	1.349	1.232	1.538	15.35
8)		2-Chlorophenol		1.430	1.452	1.462	1.232	1.159	1.139	0.978	1.265	14.83
9)		Benzaldehyde		0.974	0.915	0.770	0.504	0.466	0.437	0.365	0.633	39.16
10)	C	Phenol		1.974	1.999	2.056	1.711	1.594	1.533	1.366	1.748	15.25
11)		bis(2-Chloroet...		1.715	1.620	1.758	1.590	1.594	1.618	1.420	1.616	6.66
12)		1,3-Dichlorobe...		1.542	1.556	1.577	1.317	1.250	1.245	1.108	1.371	13.60
13)	C	1,4-Dichlorobe...		1.570	1.579	1.564	1.320	1.237	1.220	1.087	1.368	14.74
14)		1,2-Dichlorobe...		1.461	1.479	1.471	1.196	1.091	1.101	0.939	1.248	17.70
15)		Benzyl Alcohol		0.845	0.862	0.996	0.935	0.893	0.903	0.794	0.890	7.32
16)		2,2'-oxybis(1-...		1.827	1.777	1.825	1.550	1.428	1.417	1.185	1.573	15.71
17)		2-Methylphenol		1.308	1.273	1.319	1.131	1.053	1.045	0.917	1.149	13.47
18)		Hexachloroethane		0.567	0.558	0.592	0.511	0.492	0.497	0.448	0.524	9.65
19)	P	n-Nitroso-di-n...	0.974	1.064	1.028	0.973	0.787	0.760	0.743	0.694	0.878	16.65
20)		3+4-Methylphenols		1.665	1.631	1.560	1.236	1.118	1.092		1.384	19.08
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.599	0.550	0.538	0.463	0.409	0.409	0.375	0.478	17.84
23)	S	Nitrobenzene-d5		0.422	0.411	0.429	0.394	0.364	0.375	0.340	0.391	8.36
24)		Nitrobenzene		0.449	0.448	0.466	0.430	0.399	0.403	0.363	0.423	8.55
25)		Isophorone		0.819	0.774	0.831	0.748	0.737	0.744	0.725	0.768	5.40
26)	C	2-Nitrophenol		0.201	0.201	0.223	0.197	0.191	0.187	0.177	0.197	7.35
27)		2,4-Dimethylph...		0.352	0.334	0.345	0.296	0.283	0.267	0.257	0.305	12.68
28)		bis(2-Chloroet...		0.503	0.492	0.521	0.458	0.434	0.432	0.391	0.461	10.04
29)	C	2,4-Dichloroph...		0.333	0.331	0.361	0.319	0.295	0.298	0.274	0.316	9.24
30)		1,2,4-Trichlor...		0.372	0.365	0.378	0.336	0.311	0.313	0.288	0.338	10.30
31)		Naphthalene		1.201	1.146	1.147	0.959	0.897	0.874	0.800	1.003	15.85
32)		Benzoic acid			0.046	0.106	0.166	0.180	0.203	0.214	0.152	42.26
33)		4-Chloroaniline		0.397	0.412	0.493	0.455	0.445	0.430	0.430	0.437	7.16
34)	C	Hexachlorobuta...		0.236	0.227	0.234	0.215	0.200	0.200	0.189	0.214	8.68
35)		Caprolactam		0.094	0.095	0.107	0.098	0.097	0.097	0.091	0.097	5.16
36)	C	4-Chloro-3-met...		0.329	0.328	0.367	0.329	0.308	0.306	0.281	0.321	8.39
37)		2-Methylnaphth...		0.797	0.767	0.784	0.657	0.610	0.562	0.534	0.673	16.32
38)		1-Methylnaphth...		0.739	0.705	0.732	0.627	0.570	0.547	0.515	0.634	14.66

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.710	0.715	0.749	0.645	0.617	0.597	0.560	0.656	10.68
41)	P	Hexachlorocycl...		0.168	0.260	0.303	0.318	0.298	0.318	0.278	20.75
42)	S	2,4,6-Tribromo...	0.217	0.225	0.240	0.209	0.197	0.205	0.194	0.213	7.69
43)	C	2,4,6-Trichlor...	0.422	0.446	0.489	0.427	0.417	0.408	0.381	0.427	7.91
44)		2,4,5-Trichlor...	0.469	0.501	0.567	0.507	0.499	0.486	0.451	0.497	7.35
45)	S	2-Fluorobiphenyl	1.432	1.474	1.416	1.129	1.063	1.055	0.954	1.218	17.71
46)		1,1'-Biphenyl	1.587	1.721	1.742	1.435	1.354	1.319	1.227	1.484	13.64
47)		2-Chloronaphth...	1.208	1.330	1.360	1.140	1.095	1.077	1.013	1.175	11.15
48)		2-Nitroaniline	0.357	0.402	0.443	0.389	0.376	0.369	0.366	0.386	7.56
49)		Acenaphthylene	1.954	2.096	2.166	1.790	1.662	1.535	1.435	1.805	15.47
50)		Dimethylphthalate	1.458	1.541	1.643	1.411	1.374	1.300	1.310	1.434	8.69
51)		2,6-Dinitrotol...	0.297	0.339	0.369	0.321	0.310	0.303	0.280	0.317	9.32
52)	C	Acenaphthene	1.268	1.231	1.259	1.041	0.983	0.956	0.870	1.087	15.04
53)		3-Nitroaniline	0.312	0.364	0.412	0.362	0.357	0.342	0.331	0.354	8.87
54)	P	2,4-Dinitrophenol		0.076	0.110	0.138	0.168	0.182	0.179	0.142	29.82
55)		Dibenzofuran	1.919	1.972	2.001	1.618	1.484	1.432	1.268	1.671	17.59
56)	P	4-Nitrophenol	0.130	0.180	0.243	0.232	0.236	0.239	0.219	0.211	19.68
57)		2,4-Dinitrotol...	0.409	0.440	0.480	0.410	0.392	0.373	0.331	0.405	11.70
58)		Fluorene	1.579	1.530	1.544	1.257	1.188	1.177	1.023	1.328	16.58
59)		2,3,4,6-Tetrac...	0.329	0.370	0.420	0.375	0.354	0.343	0.333	0.360	8.76
60)		Diethylphthalate	1.453	1.499	1.581	1.352	1.267	1.238	1.123	1.359	11.87
61)		4-Chlorophenyl...	0.781	0.785	0.812	0.674	0.637	0.630	0.563	0.697	13.66
62)		4-Nitroaniline	0.341	0.369	0.370	0.296	0.272	0.274	0.247	0.310	16.14
63)		Azobenzene	1.477	1.530	1.611	1.383	1.296	1.309	1.120	1.389	11.91
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.100	0.111	0.136	0.125	0.132	0.134	0.121	0.123	10.78
66)	c	n-Nitrosodiphe...	0.706	0.685	0.706	0.573	0.567	0.575	0.514	0.618	12.73
67)		4-Bromophenyl-...	0.255	0.244	0.259	0.221	0.217	0.224	0.199	0.231	9.45
68)		Hexachlorobenzene	0.264	0.256	0.274	0.232	0.231	0.237	0.220	0.245	8.10
69)		Atrazine	0.179	0.193	0.201	0.173	0.170	0.171	0.160	0.178	8.05
70)	C	Pentachlorophenol	0.071	0.080	0.106	0.111	0.117	0.119	0.122	0.104	19.22
71)		Phenanthrene	1.180	1.131	1.148	0.944	0.902	0.904	0.838	1.007	14.00
72)		Anthracene	1.204	1.158	1.177	0.975	0.935	0.918	0.851	1.031	14.00
73)		Carbazole	1.056	1.045	1.064	0.888	0.843	0.822	0.763	0.926	13.65
74)		Di-n-butylphth...	1.270	1.220	1.264	1.031	1.006	1.028	0.903	1.103	13.23
75)	C	Fluoranthene	1.273	1.187	1.255	1.085	0.982	0.987	0.901	1.096	13.34
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.048	0.073	0.114	0.186	0.143	0.126	0.182	0.125	41.56
78)		Pyrene	1.675	1.703	1.822	1.657	1.573	1.584	1.622	1.662	5.09
79)	S	Terphenyl-d14	1.212	1.180	1.188	1.048	1.014	1.028	1.084	1.108	7.54
80)		Butylbenzylpht...	0.637	0.643	0.726	0.682	0.658	0.723	0.691	0.680	5.31
81)		Benzo(a)anthra...	1.515	1.496	1.600	1.420	1.354	1.408	1.341	1.448	6.46
82)		3,3'-Dichlorob...	0.424	0.428	0.434	0.371	0.329	0.336	0.308	0.376	14.03
83)		Chrysene	1.452	1.432	1.510	1.313	1.312	1.287	1.271	1.368	6.90
84)		Bis(2-ethylhex...	0.840	0.881	0.951	0.855	0.810	0.852	0.796	0.855	5.97
85)	c	Di-n-octyl pht...	1.337	1.414	1.496	1.264	1.282	1.292	1.292	1.340	6.36

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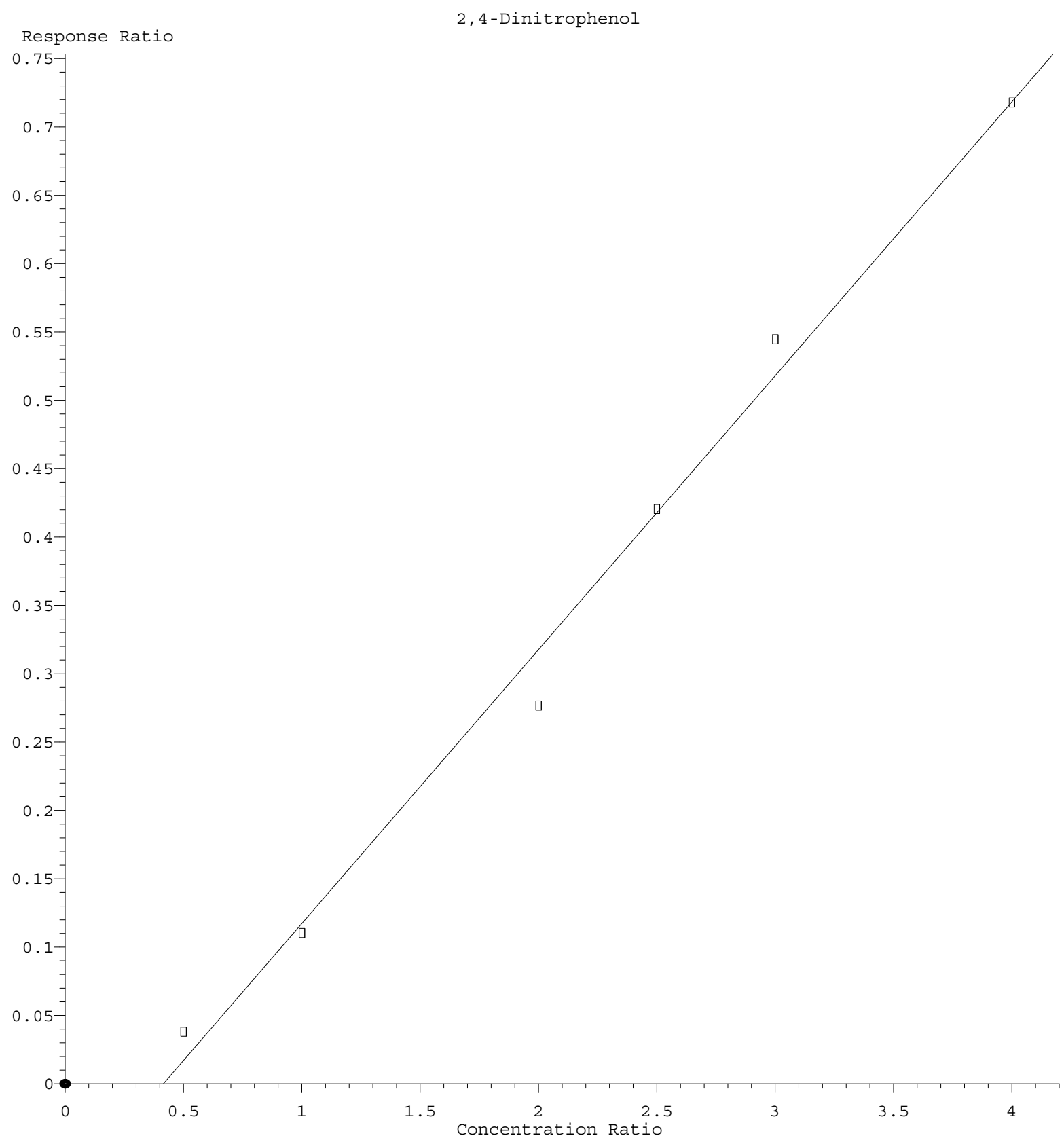
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.124	1.057	1.206	1.320	1.305	1.390	1.374	1.254	10.19
88)		Benzo(b)fluora...	1.326	1.367	1.445	1.367	1.214	1.223	1.191	1.305	7.39
89)		Benzo(k)fluora...	1.309	1.344	1.517	1.310	1.180	1.229	1.037	1.275	11.69
90)	C	Benzo(a)pyrene	1.232	1.244	1.340	1.229	1.206	1.140	1.123	1.216	5.91
91)		Dibenzo(a,h)an...	0.924	0.878	1.000	1.099	1.056	1.127	1.078	1.023	9.09
92)		Benzo(g,h,i)pe...	0.885	0.829	0.999	1.157	1.152	1.224	1.237	1.069	15.43

(#) = Out of Range



Response = 2.006e-001 * Amt - 8.334e-002
Coef of Det (r^2) = 0.991479 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031623.M
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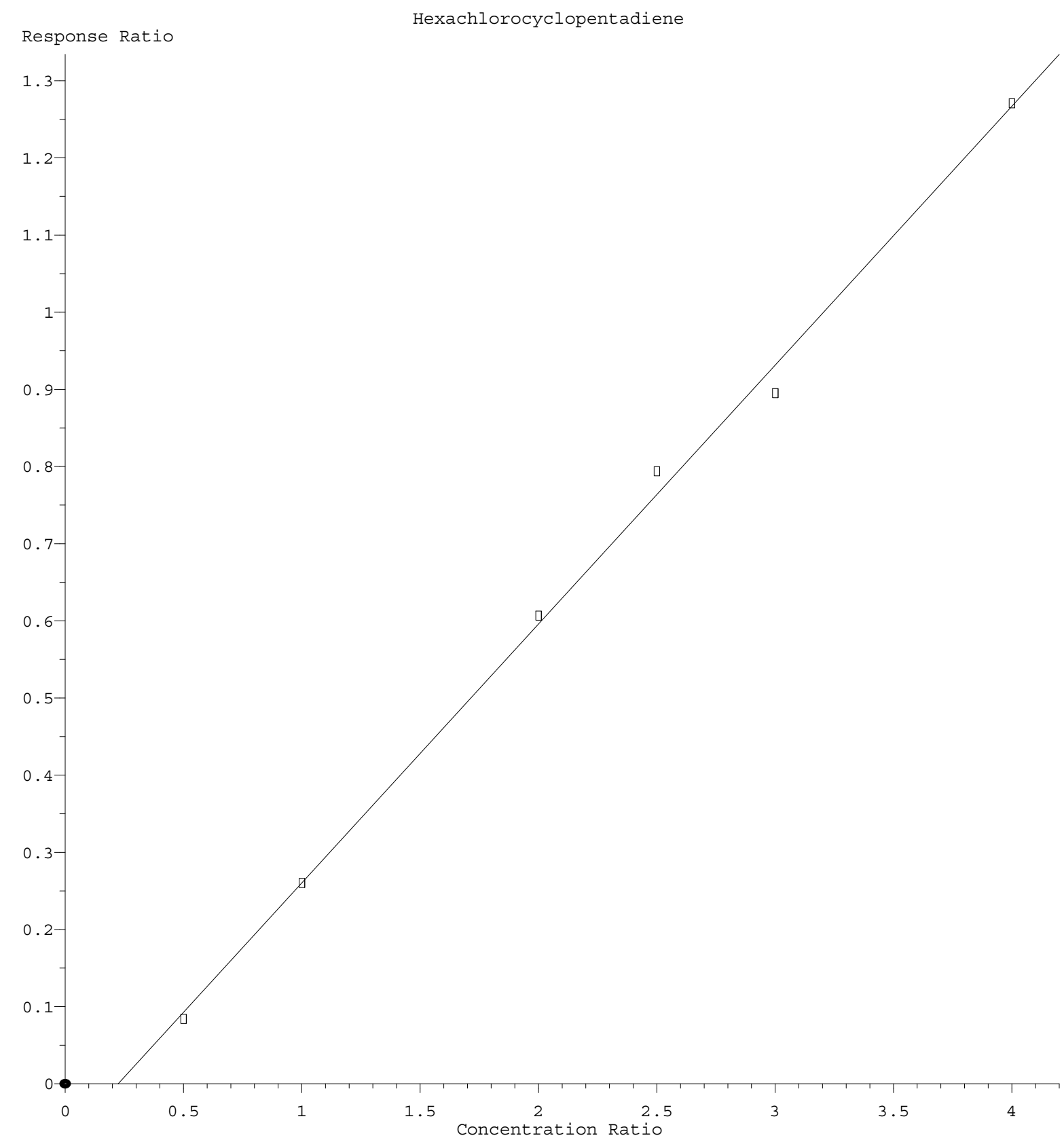

Response = 3.354e-001 * Amt - 7.500e-002
Coef of Det (r^2) = 0.997402 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031623.M
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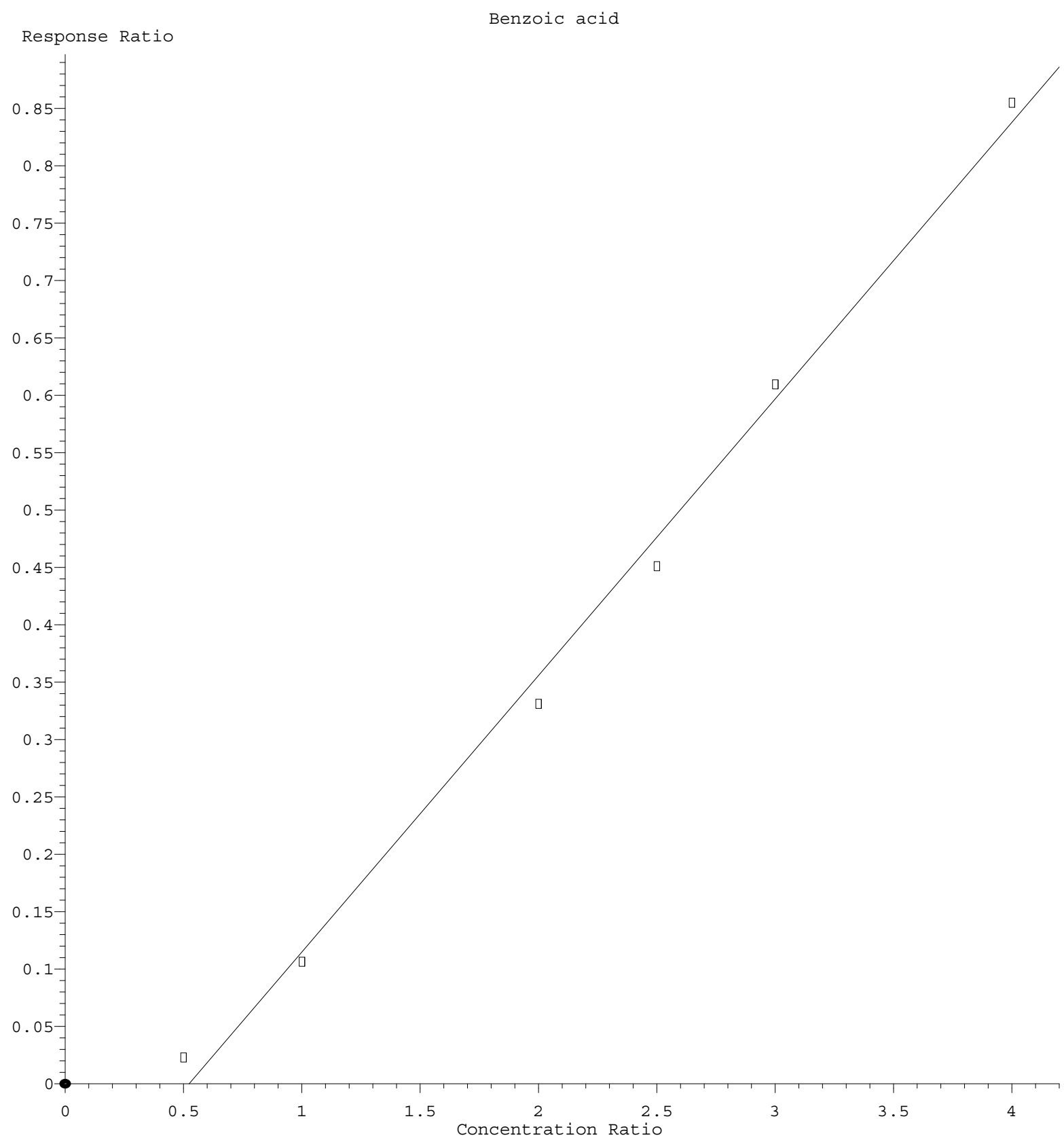

Response = 2.410e-001 * Amt - 1.261e-001
Coef of Det (r^2) = 0.994670 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031623.M
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