Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143477.D 5 =BF143478.D 10 =BF143479.D 20 =BF143480.D 40 =BF143481.D 50 =BF143482.D 60 =BF143483.D 80 =BF1434
84.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.528	0.529	0.539	0.536	0.519	0.542	0.522	0.531	1.62
3)		Pyridine		1.339	1.392	1.435	1.438	1.389	1.477	1.421	1.413	3.13
4)		n-Nitrosodimet...			0.604	0.619	0.641	0.633	0.666	0.648	0.635	3.44
5)	S	2-Fluorophenol		1.203	1.198	1.194	1.138	1.087	1.137	1.061	1.145	4.92
6)		Aniline		2.034	1.969	1.959	1.890	1.800	1.864	1.714	1.890	5.78
7)	S	Phenol-d6		1.536	1.460	1.471	1.407	1.342	1.384	1.299	1.414	5.76
8)		2-Chlorophenol		1.301	1.284	1.302	1.268	1.229	1.270	1.202	1.265	2.94
9)		Benzaldehyde			1.008	0.981	1.200	1.133	1.402		1.145	14.80
10)	C	Phenol		1.741	1.695	1.725	1.646	1.554	1.593	1.449	1.629	6.43
11)		bis(2-Chloroet...		1.296	1.230	1.235	1.213	1.170	1.221	1.156	1.217	3.78
12)		1,3-Dichlorobe...		1.558	1.451	1.466	1.414	1.345	1.399	1.317	1.421	5.65
13)	C	1,4-Dichlorobe...		1.531	1.487	1.483	1.411	1.355	1.409	1.304	1.426	5.62
14)		1,2-Dichlorobe...		1.448	1.413	1.386	1.348	1.289	1.333	1.233	1.350	5.45
15)		Benzyl Alcohol			1.037	1.063	1.083	1.040	1.088	1.041	1.059	2.14
16)		2,2'-oxybis(1-...		2.144	2.104	2.053	1.954	1.805	1.868	1.703	1.947	8.40
17)		2-Methylphenol		1.052	1.042	1.056	1.011	0.975	1.011	0.960	1.015	3.67
18)		Hexachloroethane		0.495	0.498	0.502	0.491	0.462	0.489	0.456	0.485	3.79
19)	P	n-Nitroso-di-n...	0.922	0.943	0.912	0.879	0.844	0.800	0.832	0.781	0.864	6.86
20)		3+4-Methylphenols			1.337	1.320	1.218	1.143	1.178	1.076	1.212	8.40
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.489	0.464	0.459	0.418	0.402	0.410	0.382	0.432	8.99
23)	S	Nitrobenzene-d5		0.354	0.345	0.357	0.344	0.335	0.340	0.325	0.343	3.18
24)		Nitrobenzene		0.353	0.351	0.366	0.356	0.348	0.358	0.337	0.353	2.55
25)		Isophorone		0.666	0.630	0.644	0.621	0.608	0.625	0.603	0.628	3.41
26)	C	2-Nitrophenol		0.162	0.165	0.177	0.177	0.175	0.180	0.173	0.173	3.76
27)		2,4-Dimethylph...		0.283	0.272	0.281	0.270	0.262	0.265	0.251	0.269	4.11
28)		bis(2-Chloroet...		0.409	0.399	0.401	0.386	0.371	0.379	0.357	0.386	4.74
29)	C	2,4-Dichloroph...		0.293	0.299	0.303	0.288	0.281	0.283	0.266	0.288	4.30
30)		1,2,4-Trichlor...		0.318	0.300	0.314	0.292	0.282	0.291	0.274	0.296	5.46
31)		Naphthalene		1.069	1.009	1.014	0.943	0.907	0.921	0.859	0.960	7.58
32)		Benzoic acid			0.086	0.116	0.145	0.153	0.163	0.160	0.137	21.97
33)		4-Chloroaniline		0.359	0.345	0.362	0.343	0.331	0.330	0.315	0.341	4.87
34)	C	Hexachlorobuta...		0.207	0.199	0.201	0.192	0.186	0.190	0.177	0.193	5.21
35)		Caprolactam			0.063	0.068	0.071	0.071	0.070	0.072	0.069	4.96
36)	C	4-Chloro-3-met...		0.303	0.292	0.303	0.287	0.280	0.284	0.269	0.288	4.25
37)		2-Methylnaphth...		0.716	0.684	0.684	0.633	0.600	0.610	0.562	0.641	8.62
38)		1-Methylnaphth...		0.692	0.651	0.650	0.603	0.577	0.581	0.540	0.613	8.62

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.629	0.584	0.613	0.565	0.544	0.552	0.517	0.572	6.88
41)	P	Hexachlorocycl...		0.098	0.153	0.198	0.205	0.226	0.222	0.184	26.99
42)	S	2,4,6-Tribromo...	0.191	0.188	0.194	0.188	0.181	0.184	0.177	0.186	3.12
43)	C	2,4,6-Trichlor...	0.338	0.347	0.364	0.364	0.351	0.360	0.339	0.352	3.18
44)		2,4,5-Trichlor...	0.391	0.376	0.413	0.382	0.377	0.387	0.365	0.385	3.94
45)	S	2-Fluorobiphenyl	1.445	1.336	1.323	1.156	1.106	1.106	0.999	1.210	13.20
46)		1,1'-Biphenyl	1.582	1.505	1.519	1.399	1.335	1.349	1.247	1.420	8.43
47)		2-Chloronaphth...	1.222	1.165	1.172	1.105	1.056	1.068	1.008	1.114	6.77
48)		2-Nitroaniline	0.314	0.313	0.338	0.337	0.329	0.331	0.320	0.326	3.19
49)		Acenaphthylene	1.747	1.663	1.687	1.580	1.516	1.533	1.437	1.595	6.85
50)		Dimethylphthalate	1.293	1.219	1.252	1.201	1.159	1.175	1.133	1.205	4.58
51)		2,6-Dinitrotol...	0.224	0.237	0.259	0.259	0.260	0.257	0.251	0.250	5.63
52)	C	Acenaphthene	1.170	1.131	1.137	1.076	1.037	1.044	0.985	1.083	6.07
53)		3-Nitroaniline	0.260	0.257	0.280	0.278	0.273	0.271	0.269	0.270	3.21
54)	P	2,4-Dinitrophenol		0.072	0.099	0.120	0.132	0.137	0.129	0.115	21.92
55)		Dibenzofuran	1.717	1.625	1.647	1.523	1.461	1.453	1.381	1.544	7.91
56)	P	4-Nitrophenol		0.115	0.147	0.171	0.177	0.172	0.181	0.161	15.78
57)		2,4-Dinitrotol...	0.292	0.318	0.349	0.351	0.344	0.344	0.336	0.333	6.38
58)		Fluorene	1.367	1.286	1.270	1.158	1.111	1.102	1.025	1.188	10.25
59)		2,3,4,6-Tetrac...	0.261	0.264	0.299	0.297	0.294	0.297	0.288	0.286	5.59
60)		Diethylphthalate	1.172	1.097	1.110	1.084	1.053	1.036	1.008	1.080	5.01
61)		4-Chlorophenyl...	0.671	0.624	0.628	0.585	0.558	0.567	0.527	0.594	8.30
62)		4-Nitroaniline	0.230	0.237	0.258	0.257	0.255	0.248	0.250	0.248	4.28
63)		Azobenzene	1.221	1.154	1.177	1.122	1.080	1.067	1.018	1.120	6.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.085	0.103	0.119	0.120	0.124	0.126	0.113	13.97
66)	c	n-Nitrosodiphe...	0.684	0.661	0.679	0.641	0.615	0.636	0.590	0.644	5.29
67)		4-Bromophenyl-...	0.243	0.240	0.250	0.241	0.230	0.240	0.227	0.239	3.35
68)		Hexachlorobenzene	0.266	0.262	0.267	0.257	0.248	0.256	0.243	0.257	3.53
69)		Atrazine	0.154	0.156	0.164	0.168	0.171	0.174	0.176	0.166	5.09
70)	C	Pentachlorophenol		0.088	0.106	0.124	0.127	0.131	0.131	0.118	14.47
71)		Phenanthrene	1.188	1.123	1.130	1.039	1.015	1.033	0.969	1.071	7.23
72)		Anthracene	1.191	1.144	1.148	1.074	1.022	1.036	0.980	1.085	7.16
73)		Carbazole	0.949	0.925	0.932	0.882	0.849	0.861	0.825	0.889	5.30
74)		Di-n-butylphth...	0.782	0.800	0.830	0.850	0.833	0.857	0.855	0.829	3.47
75)	C	Fluoranthene	1.061	1.020	1.002	0.946	0.914	0.923	0.862	0.961	7.21
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.611	0.665	0.516	0.391	0.368	0.372	0.487	26.70
78)		Pyrene	1.891	1.768	1.793	1.635	1.590	1.512	1.327	1.645	11.63
79)	S	Terphenyl-d14	1.341	1.255	1.248	1.130	1.094	1.052	0.904	1.146	12.86
80)		Butylbenzylpht...	0.380	0.402	0.443	0.467	0.461	0.509	0.485	0.449	10.15
81)		Benzo(a)anthra...	1.302	1.274	1.300	1.318	1.266	1.316	1.237	1.288	2.30
82)		3,3'-Dichlorob...		0.353	0.386	0.373	0.354	0.377	0.370	0.369	3.60
83)		Chrysene	1.251	1.195	1.213	1.113	1.089	1.125	1.114	1.157	5.33
84)		Bis(2-ethylhex...	0.600	0.626	0.699	0.710	0.690	0.767	0.700	0.685	8.12
85)	c	Di-n-octyl pht...		1.129	1.289	1.298	1.251	1.413	1.228	1.268	7.36

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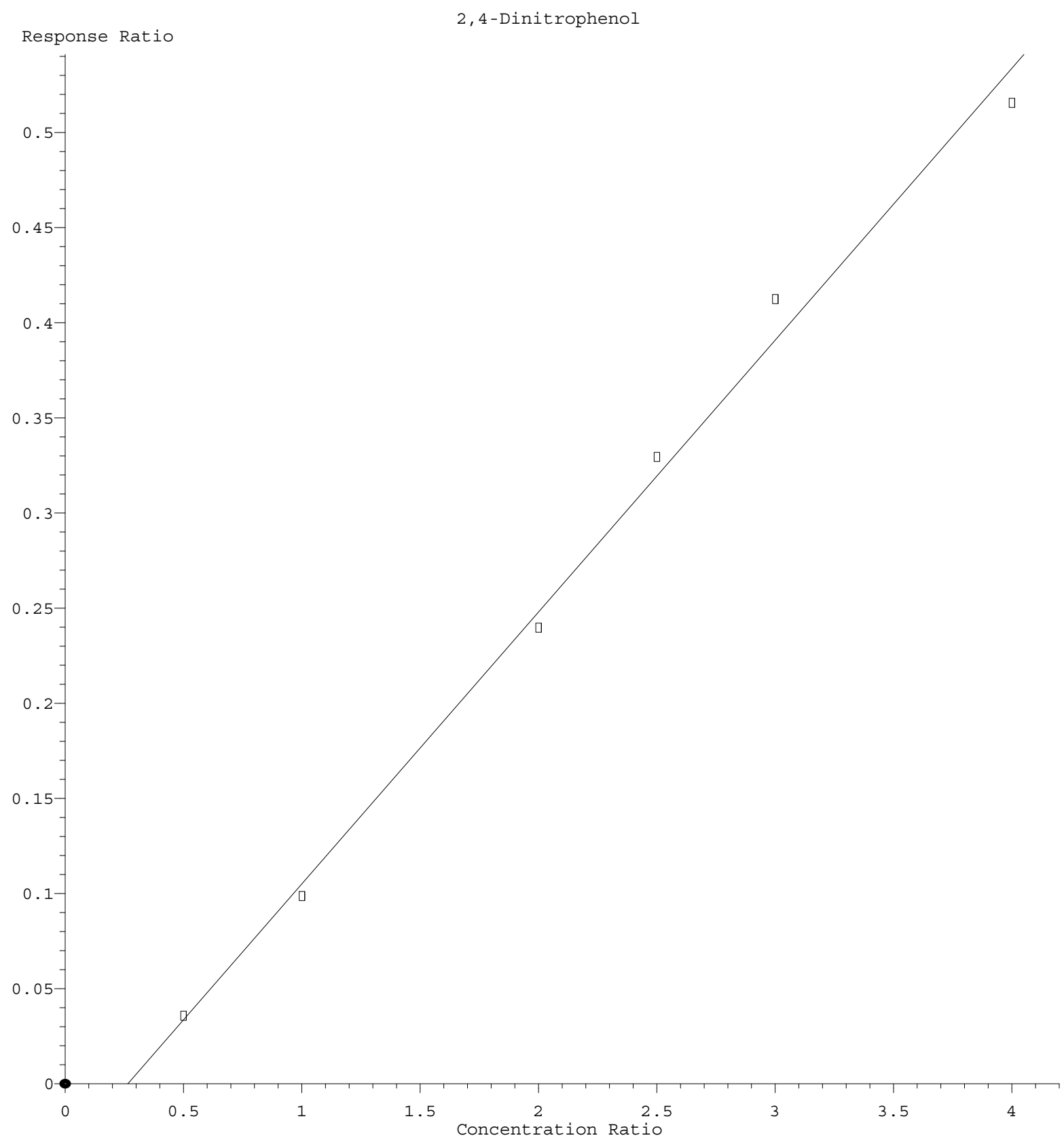
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.425	1.433	1.565	1.449	1.427	1.466	1.295	1.437	5.51
88)		Benzo(b)fluora...	1.135	1.147	1.182	1.074	1.058	1.068	1.119	1.112	4.20
89)		Benzo(k)fluora...	1.157	1.014	1.056	1.081	1.034	1.104	1.005	1.064	5.10
90)	C	Benzo(a)pyrene	1.033	1.021	1.074	1.032	1.010	1.043	1.011	1.032	2.15
91)		Dibenzo(a,h)an...	1.139	1.164	1.260	1.162	1.142	1.168	1.023	1.151	6.04
92)		Benzo(g,h,i)pe...	1.128	1.129	1.242	1.156	1.145	1.172	1.039	1.145	5.30

(#) = Out of Range



Response = 1.430e-001 * Amt - 3.784e-002
Coef of Det (r^2) = 0.996445 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF082025.M
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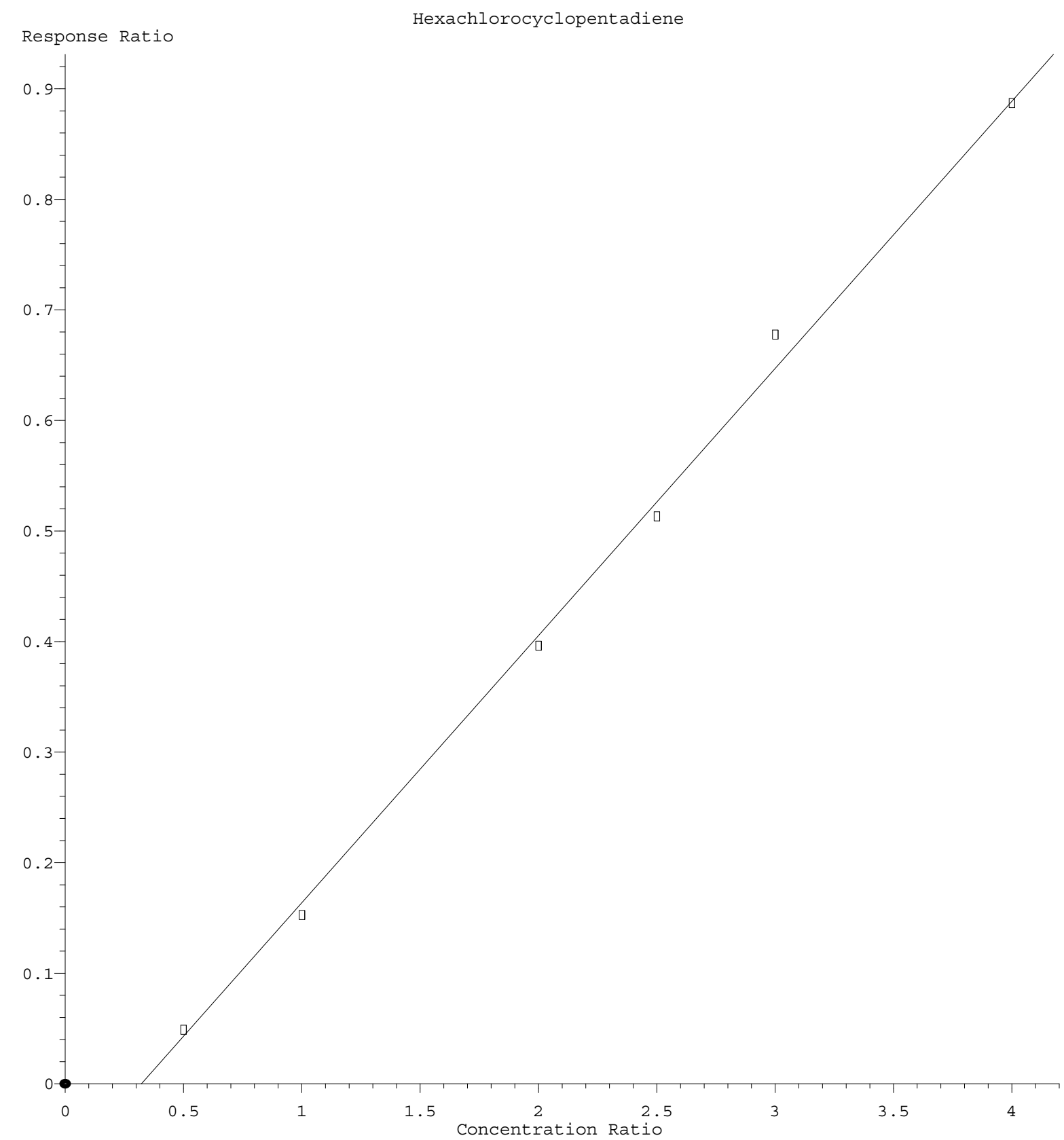

Response = 2.418e-001 * Amt - 7.792e-002
Coef of Det (r^2) = 0.997891 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF082025.M
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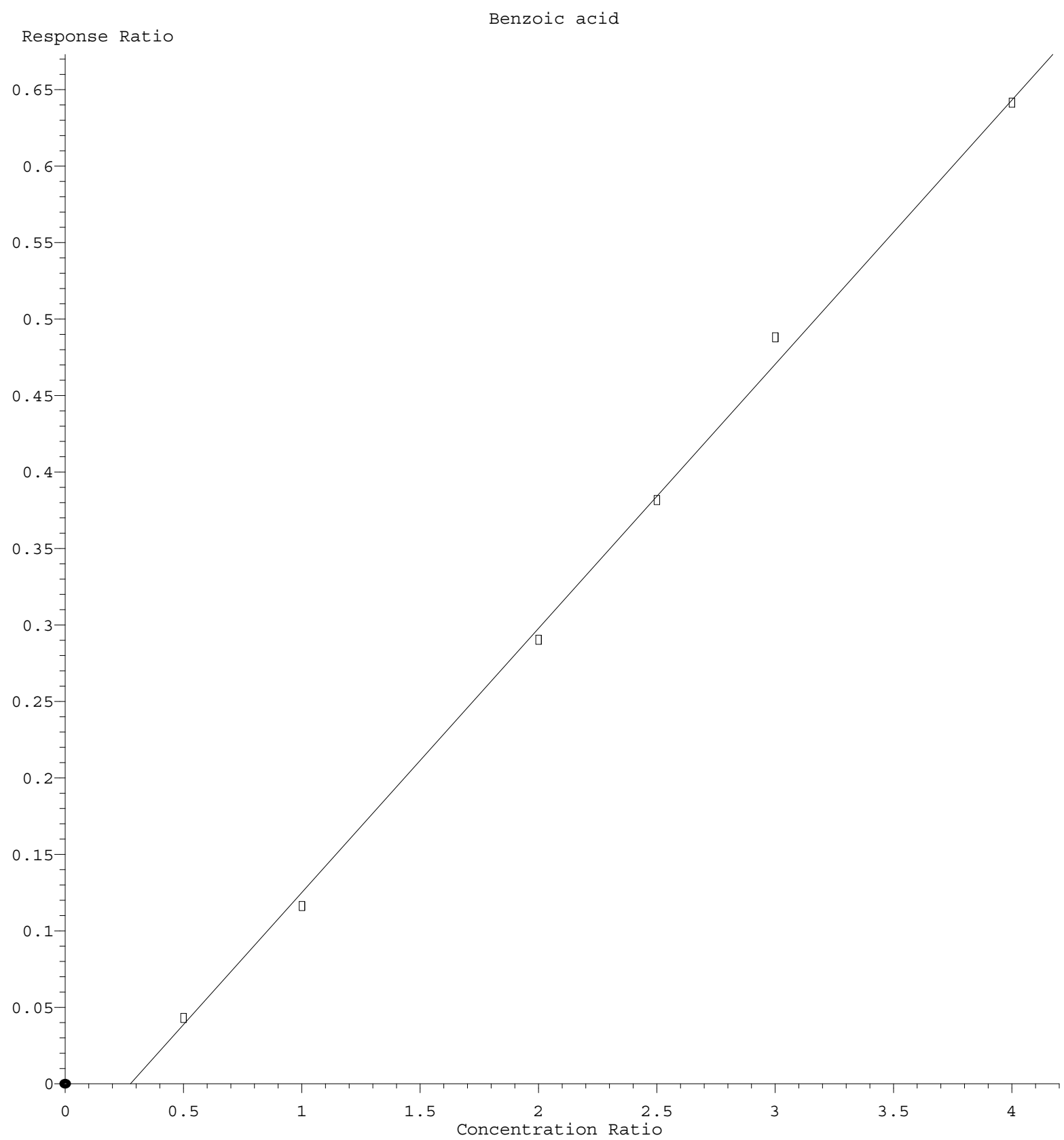

Response = 1.728e-001 * Amt - 4.772e-002
Coef of Det (r^2) = 0.998317 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF082025.M
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