Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 13 17:12:59 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF135747.D 5 =BF135748.D 10 =BF135749.D 20 =BF135750.D 40 =BF135751.D 50 =BF135752.D 60 =BF135753.D 80 =BF1357
54.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.592	0.582	0.625	0.576	0.585	0.593	0.647	0.600	4.35
3)		Pyridine		1.349	1.388	1.458	1.499	1.526	1.522	1.562	1.472	5.29
4)		n-Nitrosodimet...		0.717	0.643	0.812	0.821	0.827	0.840	0.881	0.792	10.39
5)	S	2-Fluorophenol		1.260	1.201	1.406	1.233	1.217	1.208	1.182	1.244	6.09
6)		Aniline		2.127	1.995	2.201	1.917	1.838	1.825	1.768	1.953	8.33
7)	S	Phenol-d6		1.728	1.583	1.745	1.475	1.465	1.442	1.426	1.552	8.75
8)		2-Chlorophenol		1.425	1.335	1.491	1.306	1.290	1.285	1.258	1.341	6.33
9)		Benzaldehyde		1.097	0.988	1.027	0.831	0.786	0.737	0.719	0.883	17.16
10)	C	Phenol		1.705	1.646	1.856	1.605	1.547	1.527	1.498	1.626	7.63
11)		bis(2-Chloroet...		1.352	1.242	1.411	1.304	1.286	1.288	1.291	1.310	4.18
12)		1,3-Dichlorobe...		1.483	1.382	1.474	1.316	1.298	1.285	1.283	1.360	6.43
13)	C	1,4-Dichlorobe...		1.499	1.423	1.487	1.338	1.306	1.291	1.300	1.378	6.57
14)		1,2-Dichlorobe...		1.373	1.320	1.384	1.196	1.171	1.131	1.107	1.240	9.37
15)		Benzyl Alcohol		1.075	1.080	1.158	1.008	0.969	0.963	0.971	1.032	7.19
16)		2,2'-oxybis(1-...		2.613	2.557	2.635	2.272	2.167	2.196	2.150	2.370	9.34
17)		2-Methylphenol		1.245	1.218	1.293	1.101	1.068	1.091	1.112	1.161	7.65
18)		Hexachloroethane		0.542	0.509	0.546	0.471	0.462	0.484	0.483	0.500	6.74
19)	P	n-Nitroso-di-n...	1.030	1.096	1.072	1.055	0.872	0.826	0.855	0.871	0.960	11.82
20)		3+4-Methylphenols		1.640	1.616	1.645	1.379	1.271	1.313	1.270	1.448	12.28
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.511	0.494	0.497	0.455	0.409	0.429	0.417	0.459	9.12
23)	S	Nitrobenzene-d5		0.373	0.373	0.384	0.365	0.337	0.361	0.353	0.364	4.25
24)		Nitrobenzene		0.365	0.367	0.386	0.376	0.341	0.361	0.359	0.365	3.83
25)		Isophorone		0.711	0.687	0.717	0.691	0.622	0.684	0.690	0.686	4.48
26)	C	2-Nitrophenol		0.170	0.170	0.189	0.188	0.171	0.181	0.177	0.178	4.59
27)		2,4-Dimethylph...		0.292	0.301	0.318	0.301	0.273	0.285	0.281	0.293	5.13
28)		bis(2-Chloroet...		0.421	0.415	0.443	0.424	0.375	0.396	0.386	0.409	5.85
29)	C	2,4-Dichloroph...		0.272	0.279	0.294	0.285	0.258	0.267	0.267	0.275	4.45
30)		1,2,4-Trichlor...		0.300	0.293	0.299	0.282	0.263	0.263	0.267	0.281	6.01
31)		Naphthalene		1.061	1.027	1.045	0.986	0.903	0.904	0.903	0.976	7.33
32)		Benzoic acid		0.139	0.158	0.197	0.222	0.206	0.227	0.241	0.198	18.82
33)		4-Chloroaniline		0.449	0.448	0.454	0.431	0.405	0.394	0.402	0.426	5.95
34)	C	Hexachlorobuta...		0.177	0.168	0.176	0.171	0.158	0.156	0.159	0.166	5.23
35)		Caprolactam		0.091	0.094	0.092	0.098	0.093	0.091	0.099	0.094	3.56
36)	C	4-Chloro-3-met...		0.306	0.306	0.305	0.321	0.297	0.295	0.303	0.305	2.70
37)		2-Methylnaphth...		0.710	0.694	0.649	0.663	0.599	0.592	0.591	0.643	7.72
38)		1-Methylnaphth...		0.641	0.632	0.612	0.610	0.552	0.551	0.550	0.593	6.80

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.598	0.582	0.628	0.592	0.552	0.534	0.542	0.575	5.91
41)	P	Hexachlorocycl...		0.009	0.028	0.062	0.075	0.095	0.118	0.065	63.47
42)	S	2,4,6-Tribromo...	0.201	0.200	0.211	0.192	0.173	0.180	0.186	0.192	6.97
43)	C	2,4,6-Trichlor...	0.380	0.370	0.394	0.382	0.360	0.355	0.354	0.371	4.13
44)		2,4,5-Trichlor...	0.440	0.429	0.456	0.445	0.418	0.414	0.417	0.431	3.77
45)	S	2-Fluorobiphenyl	1.509	1.446	1.424	1.254	1.147	1.101	1.073	1.279	14.06
46)		1,1'-Biphenyl	1.671	1.622	1.684	1.544	1.427	1.394	1.382	1.532	8.56
47)		2-Chloronaphth...	1.143	1.158	1.204	1.109	1.031	1.043	1.042	1.104	6.10
48)		2-Nitroaniline	0.427	0.427	0.453	0.445	0.426	0.434	0.438	0.436	2.36
49)		Acenaphthylene	2.019	2.002	1.989	1.789	1.654	1.664	1.673	1.827	9.35
50)		Dimethylphthalate	1.442	1.380	1.418	1.334	1.239	1.296	1.341	1.350	5.20
51)		2,6-Dinitrotol...	0.294	0.299	0.310	0.294	0.276	0.281	0.279	0.290	4.21
52)	C	Acenaphthene	1.150	1.170	1.196	1.103	1.023	1.006	1.019	1.095	7.23
53)		3-Nitroaniline	0.354	0.355	0.371	0.360	0.340	0.347	0.364	0.356	2.95
54)	P	2,4-Dinitrophenol		0.091	0.105	0.131	0.135	0.144		0.121	18.66
55)		Dibenzofuran	1.840	1.791	1.824	1.637	1.494	1.478	1.503	1.653	9.95
56)	P	4-Nitrophenol		0.081	0.132	0.152	0.150	0.158	0.165	0.140	22.04
57)		2,4-Dinitrotol...	0.379	0.393	0.398	0.366	0.336	0.350	0.363	0.369	6.01
58)		Fluorene	1.470	1.415	1.452	1.234	1.159	1.170	1.155	1.294	11.25
59)		2,3,4,6-Tetrac...	0.323	0.333	0.343	0.330	0.318	0.318	0.318	0.326	2.97
60)		Diethylphthalate	1.489	1.468	1.495	1.339	1.279	1.279	1.299	1.378	7.35
61)		4-Chlorophenyl...	0.719	0.676	0.701	0.600	0.558	0.564	0.560	0.625	11.36
62)		4-Nitroaniline	0.311	0.328	0.354	0.324	0.307	0.326	0.342	0.327	4.93
63)		Azobenzene	1.373	1.428	1.450	1.327	1.217	1.277	1.301	1.339	6.24
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.064	0.086	0.104	0.114	0.105	0.116	0.115	0.101	18.92
66)	c	n-Nitrosodiphe...	0.650	0.637	0.652	0.638	0.553	0.572	0.565	0.610	7.19
67)		4-Bromophenyl-...	0.211	0.205	0.215	0.211	0.184	0.193	0.186	0.201	6.33
68)		Hexachlorobenzene	0.219	0.212	0.217	0.211	0.189	0.194	0.187	0.204	6.79
69)		Atrazine	0.182	0.181	0.181	0.170	0.148	0.153	0.145	0.166	9.93
70)	C	Pentachlorophenol	0.057	0.070	0.080	0.090	0.082	0.093	0.092	0.081	16.14
71)		Phenanthrene	1.072	1.008	1.044	0.986	0.862	0.860	0.875	0.958	9.48
72)		Anthracene	1.085	1.048	1.084	1.048	0.901	0.895	0.890	0.993	9.34
73)		Carbazole	1.004	0.974	1.002	0.976	0.846	0.832	0.849	0.926	8.57
74)		Di-n-butylphth...	1.231	1.209	1.242	1.232	1.033	1.015	0.996	1.137	10.13
75)	C	Fluoranthene	1.175	1.118	1.172	1.124	0.972	0.947	0.936	1.063	10.08
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.646	0.586	0.422	0.440	0.318	0.339	0.305	0.436	30.66
78)		Pyrene	1.702	1.651	1.593	1.587	1.482	1.574	1.536	1.589	4.54
79)	S	Terphenyl-d14	1.233	1.206	1.114	1.040	0.972	1.021	0.974	1.080	9.88
80)		Butylbenzylpht...	0.714	0.675	0.704	0.729	0.679	0.688	0.699	0.698	2.79
81)		Benzo(a)anthra...	1.359	1.300	1.375	1.370	1.247	1.263	1.283	1.314	4.06
82)		3,3'-Dichlorob...	0.467	0.453	0.472	0.446	0.398	0.406	0.408	0.436	7.05
83)		Chrysene	1.350	1.267	1.351	1.300	1.195	1.210	1.234	1.272	5.01
84)		Bis(2-ethylhex...	0.996	0.920	0.990	0.985	0.897	0.918	0.920	0.947	4.41
85)	c	Di-n-octyl pht...	1.597	1.494	1.619	1.543	1.377	1.418	1.458	1.501	6.04

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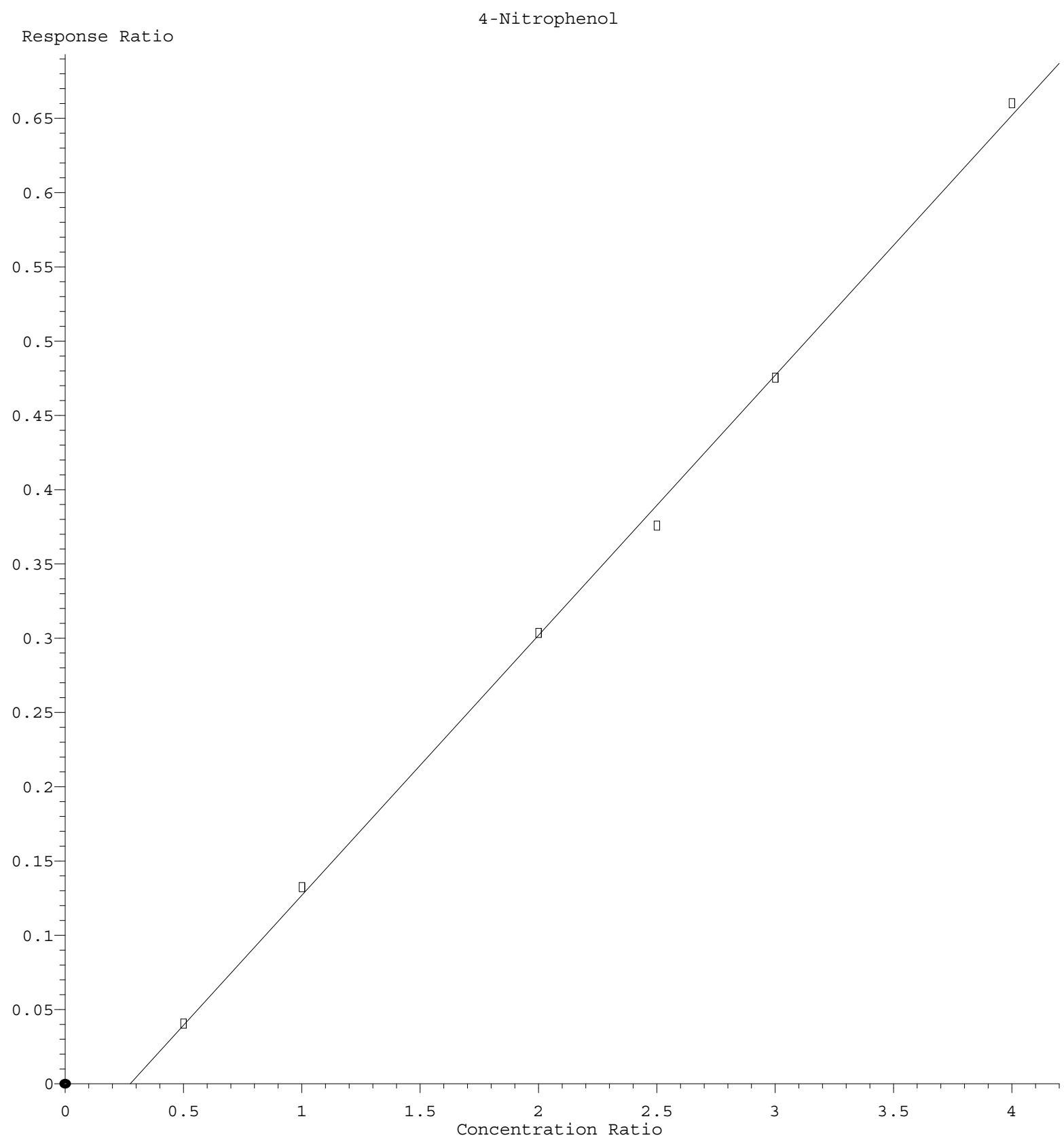
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.034	1.005	1.108	1.097	1.131	1.146	1.108	1.090	4.73
88)		Benzo(b)fluora...	1.091	1.057	1.207	1.196	1.123	1.076	1.084	1.119	5.33
89)		Benzo(k)fluora...	1.150	1.124	1.240	1.071	0.982	0.987	1.053	1.087	8.49
90)	C	Benzo(a)pyrene	1.086	1.042	1.115	1.083	0.991	1.010	1.041	1.053	4.22
91)		Dibenzo(a,h)an...	0.854	0.828	0.907	0.908	0.920	0.934	0.901	0.893	4.25
92)		Benzo(g,h,i)pe...	0.839	0.790	0.904	0.951	0.995	0.986	0.959	0.918	8.45

(#) = Out of Range



Response = 1.751e-001 * Amt - 4.808e-002
Coef of Det (r^2) = 0.998868 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF101323.M
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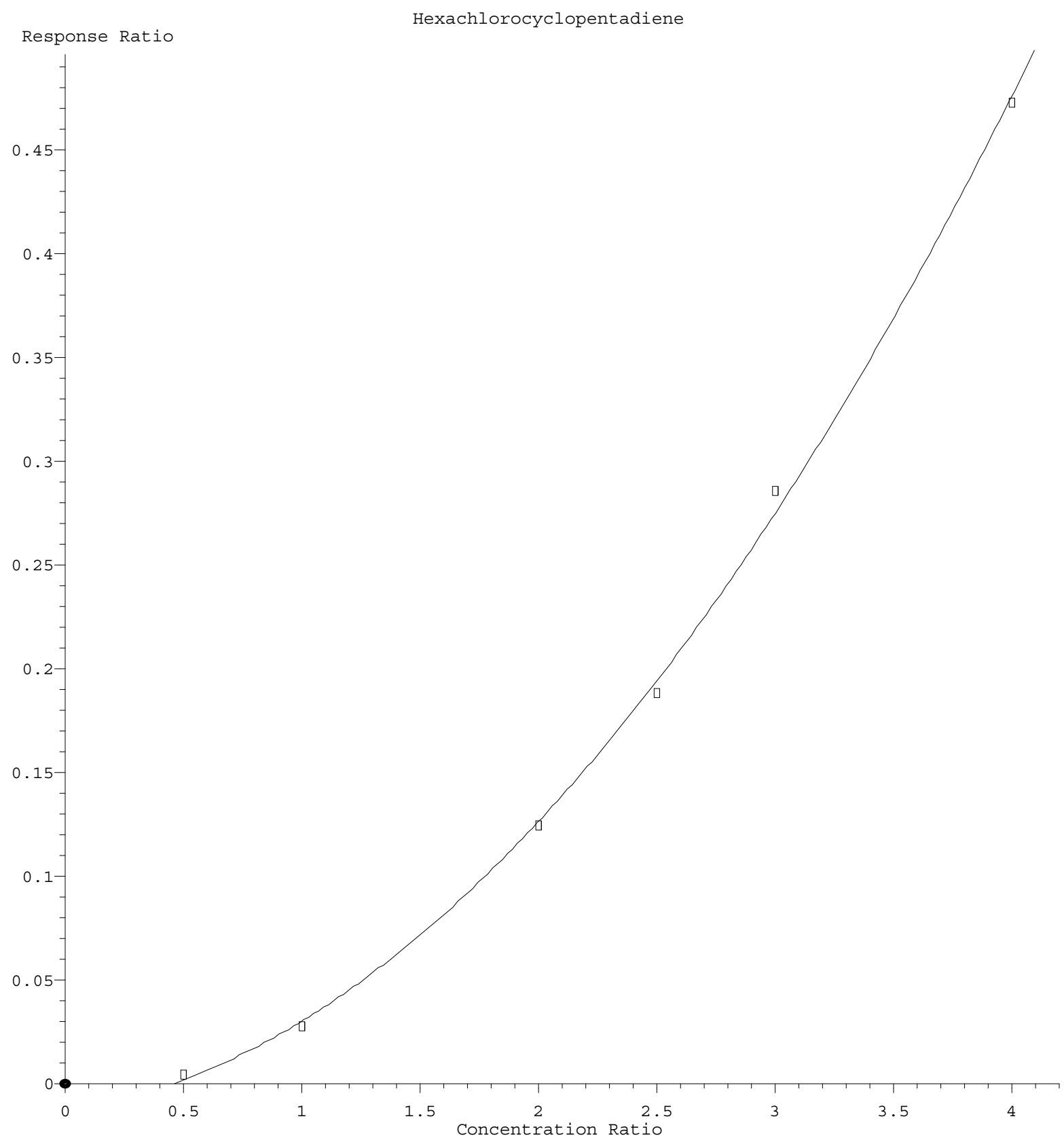

R = 2.622e-002 A*A + 1.751e-002 A - 1.353e-002
Coef of Det (r^2) = 0.998854 Curve Fit: Quadratic
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