Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 15 16:41:54 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139805.D 5 =BF139806.D 10 =BF139807.D 20 =BF139808.D 40 =BF139809.D 50 =BF139810.D 60 =BF139811.D 80 =BF1398
12.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.584	0.523	0.508	0.495	0.501	0.509	0.492	0.516	6.15
3)		Pyridine		1.350	1.312	1.285	1.231	1.223	1.240	1.195	1.262	4.38
4)		n-Nitrosodimet...		0.813	0.750	0.743	0.737	0.732	0.752	0.719	0.750	4.05
5)	S	2-Fluorophenol		1.316	1.245	1.230	1.150	1.141	1.134	1.082	1.185	6.82
6)		Aniline		1.535	1.483	1.427	1.343	1.291	1.266	1.162	1.358	9.64
7)	S	Phenol-d6		1.806	1.674	1.636	1.527	1.492	1.489	1.411	1.576	8.60
8)		2-Chlorophenol		1.409	1.301	1.309	1.227	1.202	1.190	1.122	1.251	7.60
9)		Benzaldehyde		1.068	1.012	0.972	0.874	0.800	0.776	0.695	0.885	15.50
10)	C	Phenol		1.863	1.765	1.717	1.621	1.577	1.569	1.471	1.655	8.09
11)		bis(2-Chloroet...		1.360	1.312	1.255	1.209	1.182	1.185	1.135	1.234	6.46
12)		1,3-Dichlorobe...		1.611	1.509	1.452	1.369	1.344	1.356	1.264	1.415	8.27
13)	C	1,4-Dichlorobe...		1.602	1.485	1.475	1.378	1.360	1.357	1.280	1.419	7.58
14)		1,2-Dichlorobe...		1.492	1.398	1.380	1.278	1.250	1.249	1.172	1.317	8.36
15)		Benzyl Alcohol		1.230	1.221	1.186	1.122	1.091	1.082	1.009	1.135	7.16
16)		2,2'-oxybis(1-...		2.452	2.297	2.257	2.106	2.059	2.043	1.923	2.163	8.37
17)		2-Methylphenol		1.101	1.060	1.051	0.993	0.980	0.974	0.928	1.012	5.92
18)		Hexachloroethane		0.553	0.543	0.536	0.504	0.496	0.496	0.472	0.514	5.78
19)	P	n-Nitroso-di-n...	0.988	1.018	0.980	0.950	0.894	0.855	0.857	0.800	0.918	8.41
20)		3+4-Methylphenols		1.494	1.400	1.329	1.228	1.185	1.180	1.096	1.273	11.01
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.522	0.510	0.481	0.447	0.443	0.450	0.433	0.469	7.48
23)	S	Nitrobenzene-d5		0.417	0.402	0.400	0.374	0.377	0.381	0.369	0.389	4.58
24)		Nitrobenzene		0.431	0.418	0.421	0.387	0.395	0.398	0.387	0.405	4.35
25)		Isophorone		0.720	0.699	0.686	0.640	0.635	0.640	0.622	0.663	5.70
26)	C	2-Nitrophenol		0.170	0.178	0.179	0.175	0.177	0.179	0.176	0.176	1.70
27)		2,4-Dimethylph...		0.233	0.222	0.223	0.206	0.206	0.209	0.201	0.214	5.50
28)		bis(2-Chloroet...		0.449	0.426	0.423	0.388	0.389	0.397	0.378	0.407	6.31
29)	C	2,4-Dichloroph...		0.295	0.296	0.288	0.268	0.269	0.272	0.258	0.278	5.26
30)		1,2,4-Trichlor...		0.348	0.328	0.328	0.303	0.306	0.309	0.293	0.316	5.98
31)		Naphthalene		1.145	1.092	1.078	0.984	0.990	0.989	0.938	1.031	7.25
32)		Benzoic acid		0.174	0.170	0.192	0.210	0.210	0.218	0.212	0.198	9.96
33)		4-Chloroaniline		0.381	0.366	0.355	0.321	0.321	0.319	0.303	0.338	8.60
34)	C	Hexachlorobuta...		0.220	0.208	0.207	0.192	0.195	0.198	0.186	0.201	5.84
35)		Caprolactam		0.086	0.086	0.081	0.078	0.075	0.074	0.070	0.078	7.82
36)	C	4-Chloro-3-met...		0.319	0.317	0.305	0.288	0.284	0.285	0.269	0.295	6.42
37)		2-Methylnaphth...		0.724	0.693	0.680	0.618	0.615	0.615	0.579	0.646	8.15
38)		1-Methylnaphth...		0.706	0.681	0.657	0.603	0.596	0.595	0.566	0.629	8.28

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.634	0.597	0.602	0.551	0.559	0.573	0.550	0.581	5.42
41)	P	Hexachlorocycl...		0.053	0.087	0.123	0.130	0.143	0.143	0.113	31.67
42)	S	2,4,6-Tribromo...	0.187	0.183	0.184	0.166	0.156	0.158	0.147	0.169	9.42
43)	C	2,4,6-Trichlor...	0.389	0.366	0.379	0.363	0.360	0.372	0.355	0.369	3.19
44)		2,4,5-Trichlor...	0.412	0.408	0.418	0.380	0.382	0.392	0.378	0.396	4.22
45)	S	2-Fluorobiphenyl	1.562	1.442	1.402	1.252	1.248	1.255	1.199	1.337	9.98
46)		1,1'-Biphenyl	1.681	1.574	1.562	1.441	1.445	1.476	1.406	1.512	6.45
47)		2-Chloronaphth...	1.255	1.202	1.199	1.104	1.103	1.143	1.081	1.155	5.59
48)		2-Nitroaniline	0.377	0.396	0.393	0.372	0.368	0.375	0.359	0.377	3.51
49)		Acenaphthylene	1.870	1.786	1.762	1.642	1.620	1.647	1.552	1.697	6.56
50)		Dimethylphthalate	1.374	1.316	1.278	1.192	1.142	1.172	1.096	1.224	8.23
51)		2,6-Dinitrotol...	0.288	0.294	0.295	0.278	0.269	0.274	0.258	0.279	4.90
52)	C	Acenaphthene	1.201	1.144	1.124	1.024	1.008	1.044	0.981	1.075	7.60
53)		3-Nitroaniline	0.307	0.299	0.293	0.278	0.264	0.261	0.249	0.278	7.88
54)	P	2,4-Dinitrophenol		0.084	0.111	0.122	0.118	0.125	0.121	0.114	13.46
55)		Dibenzofuran	1.807	1.743	1.699	1.541	1.528	1.530	1.434	1.612	8.53
56)	P	4-Nitrophenol	0.156	0.167	0.175	0.179	0.168	0.172	0.157	0.168	5.24
57)		2,4-Dinitrotol...	0.372	0.376	0.369	0.345	0.324	0.326	0.302	0.345	8.36
58)		Fluorene	1.468	1.398	1.333	1.183	1.154	1.169	1.075	1.254	11.61
59)		2,3,4,6-Tetrac...	0.321	0.306	0.314	0.289	0.282	0.289	0.259	0.294	7.22
60)		Diethylphthalate	1.388	1.321	1.264	1.149	1.091	1.105	1.020	1.191	11.35
61)		4-Chlorophenyl...	0.714	0.686	0.651	0.589	0.583	0.582	0.535	0.620	10.46
62)		4-Nitroaniline	0.284	0.280	0.274	0.251	0.236	0.238	0.219	0.255	9.85
63)		Azobenzene	1.397	1.362	1.296	1.209	1.165	1.177	1.086	1.242	9.13
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.089	0.100	0.108	0.108	0.113	0.111	0.105	8.70
66)	c	n-Nitrosodiphe...	0.660	0.645	0.637	0.603	0.623	0.640	0.621	0.633	2.95
67)		4-Bromophenyl-...	0.217	0.216	0.219	0.206	0.215	0.220	0.214	0.215	2.14
68)		Hexachlorobenzene	0.258	0.245	0.243	0.232	0.238	0.240	0.231	0.241	3.69
69)		Atrazine	0.178	0.164	0.140	0.093	0.094	0.087	0.071	0.118	35.35
70)	C	Pentachlorophenol	0.082	0.092	0.103	0.109	0.110	0.114	0.112	0.103	11.49
71)		Phenanthrene	1.078	1.011	0.977	0.897	0.910	0.931	0.884	0.955	7.37
72)		Anthracene	1.042	0.990	0.984	0.887	0.894	0.912	0.863	0.939	7.07
73)		Carbazole	0.954	0.895	0.863	0.786	0.776	0.786	0.754	0.831	8.96
74)		Di-n-butylphth...	1.058	0.973	0.927	0.869	0.834	0.844	0.812	0.902	9.80
75)	C	Fluoranthene	1.086	1.014	0.909	0.833	0.817	0.839	0.812	0.901	12.01
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.407	0.337	0.233	0.366	0.354	0.346	0.297	0.334	16.61
78)		Pyrene	2.326	2.258	2.089	1.608	1.549			1.966	18.55
79)	S	Terphenyl-d14	1.633	1.512	1.351	1.029	0.977	0.942	0.823	1.181	26.62
80)		Butylbenzylpht...	0.573	0.550	0.559	0.526	0.504	0.519	0.500	0.533	5.30
81)		Benzo(a)anthra...	1.479	1.395	1.352	1.239	1.278	1.281	1.275	1.328	6.40
82)		3,3'-Dichlorob...	0.418	0.415	0.443	0.451	0.454	0.465	0.452	0.443	4.33
83)		Chrysene	1.288	1.219	1.241	1.190	1.190	1.219	1.130	1.211	4.04
84)		Bis(2-ethylhex...	0.605	0.657	0.709	0.721	0.703	0.720	0.697	0.688	6.15
85)	c	Di-n-octyl pht...	1.022	1.115	1.277	1.361	1.380	1.416	1.383	1.279	11.93

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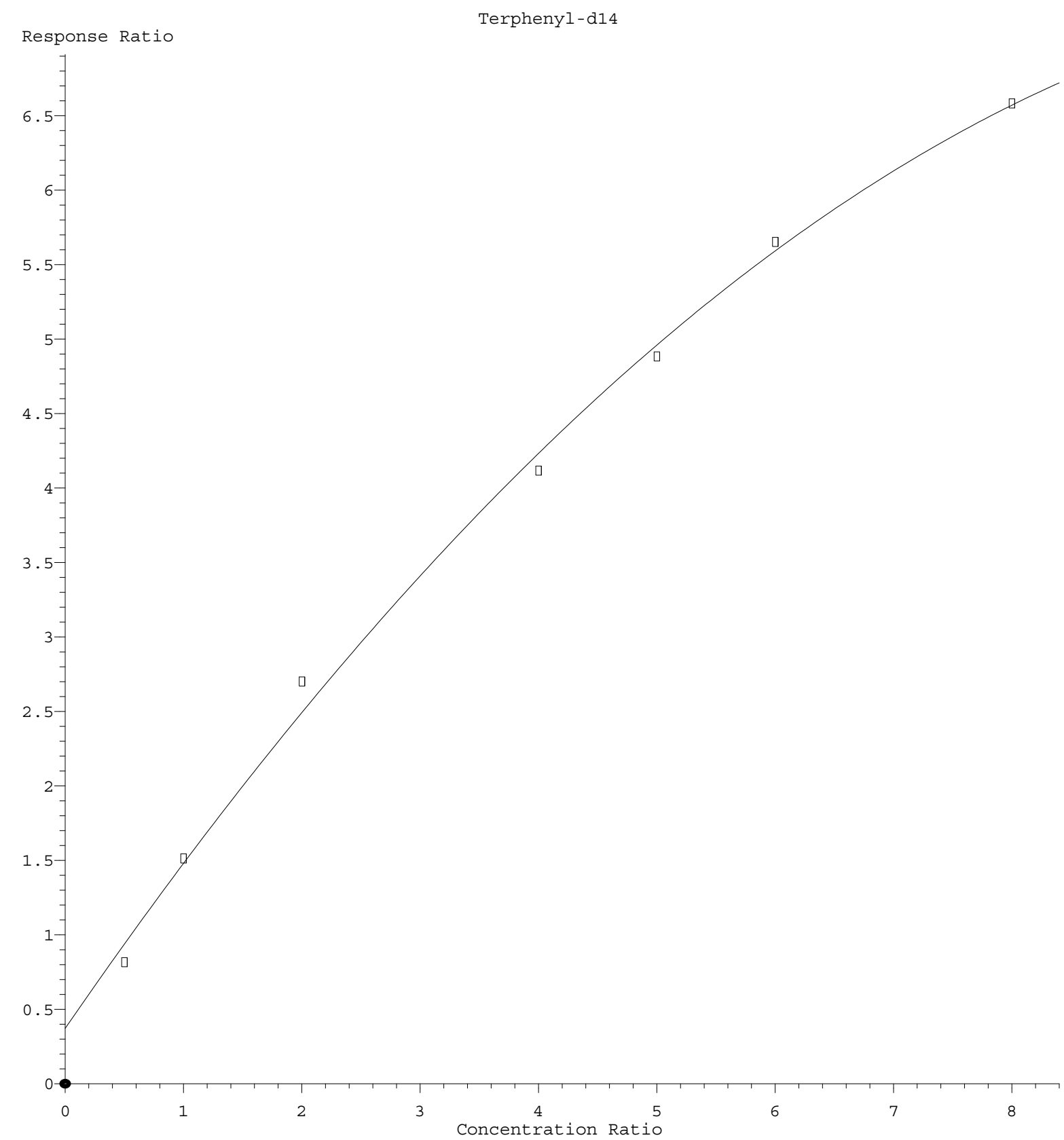
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.466	1.428	1.426	1.246	1.273	1.299	1.237	1.339	7.26
88)		Benzo(b)fluora...	1.227	1.152	1.118	1.135	1.122	1.118	1.158	1.147	3.37
89)		Benzo(k)fluora...	1.106	1.046	1.083	1.006	0.977	0.999	0.909	1.018	6.55
90)	C	Benzo(a)pyrene	1.052	1.011	1.032	0.985	0.980	0.991	0.963	1.002	3.13
91)		Dibenzo(a,h)an...	1.229	1.161	1.164	1.025	1.053	1.049	1.007	1.098	7.77
92)		Benzo(g,h,i)pe...	1.266	1.253	1.214	1.072	1.092	1.101	1.066	1.152	7.69

(#) = Out of Range



R = -4.761e-002 A*A + 1.156e+000 A + 3.715e-001
Coef of Det (r^2) = 0.997031 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF101524.M
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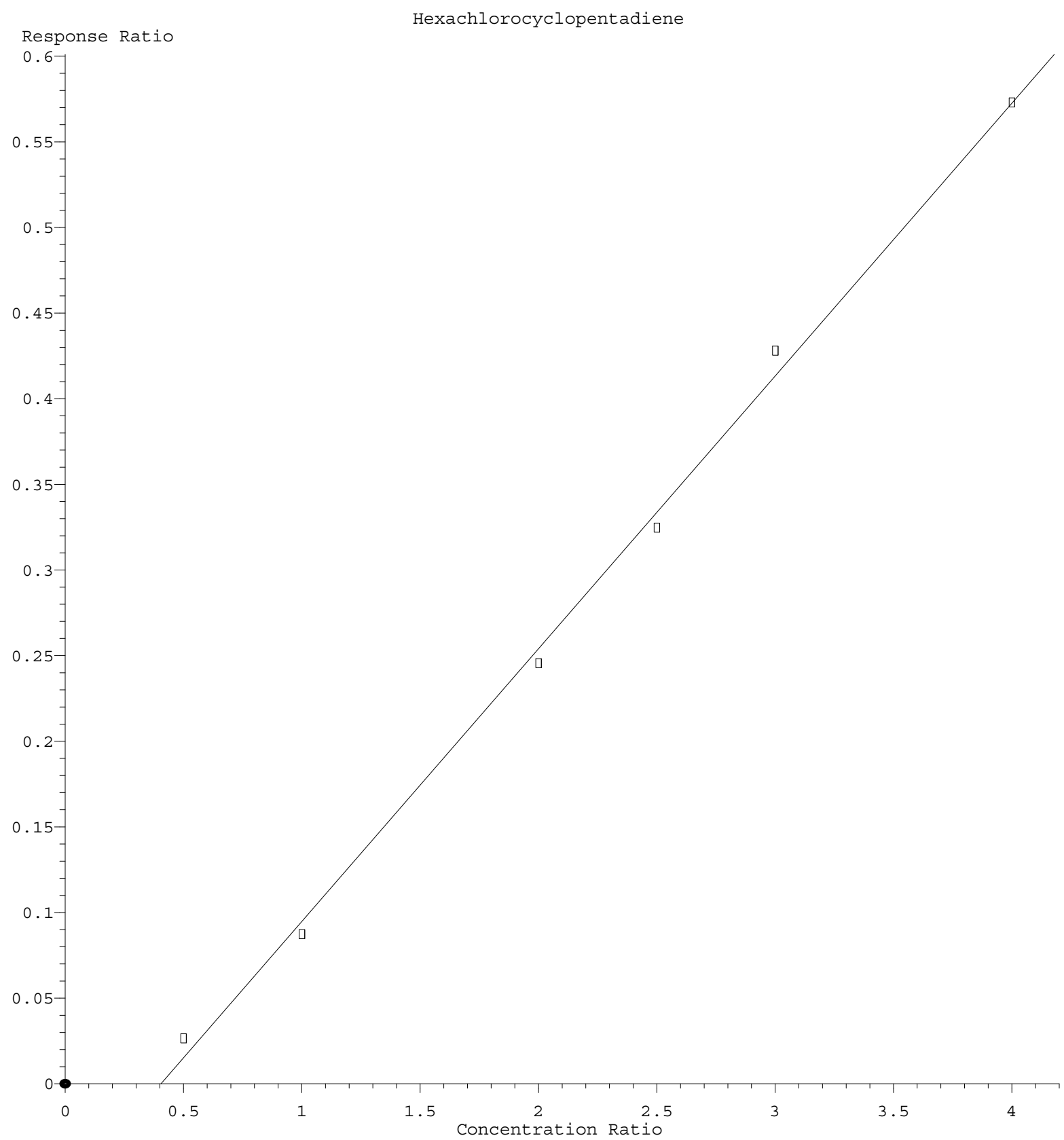

Response = 1.594e-001 * Amt - 6.449e-002
Coef of Det (r^2) = 0.997388 Curve Fit: Linear
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