Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF042325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 23 14:53:02 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142217.D 5 =BF142218.D 10 =BF142219.D 20 =BF142220.D 40 =BF142221.D 50 =BF142222.D 60 =BF142223.D 80 =BF1422
24.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.472	0.468	0.499	0.460	0.459	0.479	0.464	0.472	2.93
3)		Pyridine		1.116	1.132	1.208	1.121	1.107	1.121	1.096	1.129	3.24
4)		n-Nitrosodimet...		0.414	0.443	0.487	0.451	0.457	0.474	0.456	0.455	5.07
5)	S	2-Fluorophenol		1.243	1.239	1.269	1.142	1.118	1.130	1.074	1.174	6.43
6)		Aniline		1.429	1.412	1.477	1.286	1.184	1.148	1.128	1.295	11.22
7)	S	Phenol-d6		1.522	1.510	1.570	1.394	1.379	1.387	1.307	1.438	6.65
8)		2-Chlorophenol		1.347	1.324	1.398	1.244	1.244	1.249	1.181	1.284	5.81
9)		Benzaldehyde		0.930	0.908	0.888	0.754	0.725	0.695	0.575	0.782	16.80
10)	C	Phenol		1.571	1.594	1.645	1.477	1.454	1.454	1.368	1.509	6.42
11)		bis(2-Chloroet...		1.150	1.128	1.161	1.062	1.051	1.067	1.019	1.091	5.03
12)		1,3-Dichlorobe...		1.497	1.468	1.522	1.372	1.354	1.386	1.307	1.415	5.70
13)	C	1,4-Dichlorobe...		1.520	1.482	1.560	1.390	1.382	1.396	1.322	1.436	5.98
14)		1,2-Dichlorobe...		1.447	1.418	1.456	1.299	1.279	1.305	1.216	1.346	6.97
15)		Benzyl Alcohol		1.029	1.056	1.142	1.048	1.035	1.044	0.993	1.050	4.35
16)		2,2'-oxybis(1-...		1.196	1.150	1.189	1.051	1.032	1.028	0.950	1.085	8.63
17)		2-Methylphenol		1.023	0.978	1.044	0.944	0.970	0.965	0.918	0.977	4.47
18)		Hexachloroethane		0.524	0.524	0.532	0.489	0.479	0.495	0.465	0.501	5.11
19)	P	n-Nitroso-di-n...	0.830	0.856	0.819	0.856	0.767	0.760	0.769	0.722	0.797	6.24
20)		3+4-Methylphenols		1.308	1.303	1.338	1.191	1.180	1.170	1.112	1.229	7.02
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.503	0.480	0.486	0.448	0.447	0.451	0.424	0.463	6.00
23)	S	Nitrobenzene-d5		0.339	0.342	0.355	0.332	0.332	0.333	0.317	0.336	3.46
24)		Nitrobenzene		0.338	0.335	0.346	0.327	0.329	0.334	0.314	0.332	3.07
25)		Isophorone		0.566	0.556	0.569	0.534	0.543	0.549	0.536	0.550	2.53
26)	C	2-Nitrophenol		0.173	0.172	0.190	0.181	0.188	0.188	0.183	0.182	4.03
27)		2,4-Dimethylph...		0.202	0.206	0.219	0.206	0.217	0.225	0.206	0.212	4.07
28)		bis(2-Chloroet...		0.372	0.363	0.370	0.343	0.348	0.352	0.336	0.355	3.90
29)	C	2,4-Dichloroph...		0.299	0.296	0.313	0.293	0.298	0.299	0.289	0.298	2.49
30)		1,2,4-Trichlor...		0.343	0.336	0.350	0.329	0.334	0.340	0.322	0.336	2.77
31)		Naphthalene		1.088	1.050	1.077	0.966	0.938	0.921	0.840	0.983	9.39
32)		Benzoic acid			0.131	0.167	0.192	0.216	0.222	0.223	0.192	19.17
33)		4-Chloroaniline		0.363	0.357	0.372	0.347	0.336	0.324	0.324	0.346	5.51
34)	C	Hexachlorobuta...		0.227	0.224	0.230	0.216	0.219	0.223	0.214	0.222	2.64
35)		Caprolactam		0.089	0.085	0.090	0.087	0.087	0.090	0.085	0.088	2.48
36)	C	4-Chloro-3-met...		0.313	0.306	0.318	0.309	0.311	0.311	0.302	0.310	1.68
37)		2-Methylnaphth...		0.705	0.682	0.703	0.645	0.643	0.635	0.605	0.660	5.72
38)		1-Methylnaphth...		0.686	0.679	0.679	0.629	0.628	0.616	0.582	0.643	6.13

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.646	0.642	0.669	0.613	0.629	0.643	0.621	0.638	2.94
41)	P	Hexachlorocycl...		0.102	0.150	0.189	0.194	0.208	0.208	0.175	23.89
42)	S	2,4,6-Tribromo...	0.257	0.263	0.287	0.282	0.291	0.295	0.287	0.280	5.21
43)	C	2,4,6-Trichlor...	0.354	0.370	0.390	0.386	0.405	0.402	0.393	0.386	4.68
44)		2,4,5-Trichlor...	0.388	0.393	0.432	0.404	0.422	0.434	0.424	0.414	4.48
45)	S	2-Fluorobiphenyl	1.455	1.395	1.394	1.189	1.147	1.103	1.017	1.243	13.68
46)		1,1'-Biphenyl	1.602	1.552	1.586	1.433	1.419	1.392	1.325	1.473	7.25
47)		2-Chloronaphth...	1.194	1.160	1.214	1.088	1.104	1.100	1.045	1.129	5.44
48)		2-Nitroaniline	0.276	0.279	0.306	0.293	0.296	0.302	0.294	0.292	3.79
49)		Acenaphthylene	1.787	1.710	1.785	1.588	1.580	1.564	1.452	1.638	7.69
50)		Dimethylphthalate	1.409	1.375	1.408	1.304	1.306	1.325	1.274	1.343	4.03
51)		2,6-Dinitrotol...	0.291	0.294	0.316	0.295	0.301	0.299	0.297	0.299	2.76
52)	C	Acenaphthene	1.155	1.185	1.256	1.150	1.165	1.164	1.121	1.171	3.61
53)		3-Nitroaniline	0.295	0.291	0.314	0.289	0.289	0.276	0.294	0.293	3.83
54)	P	2,4-Dinitrophenol		0.101	0.153	0.170	0.180	0.181	0.187	0.162	19.89
55)		Dibenzofuran	1.822	1.743	1.809	1.591	1.581	1.557	1.450	1.650	8.58
56)	P	4-Nitrophenol		0.167	0.212	0.224	0.228	0.229	0.220	0.213	11.08
57)		2,4-Dinitrotol...	0.386	0.389	0.430	0.395	0.405	0.409	0.391	0.401	3.82
58)		Fluorene	1.397	1.350	1.389	1.250	1.257	1.241	1.175	1.294	6.57
59)		2,3,4,6-Tetrac...	0.357	0.353	0.383	0.377	0.381	0.390	0.386	0.375	3.85
60)		Diethylphthalate	1.366	1.290	1.380	1.252	1.266	1.243	1.193	1.284	5.26
61)		4-Chlorophenyl...	0.709	0.702	0.724	0.664	0.671	0.670	0.656	0.685	3.80
62)		4-Nitroaniline	0.275	0.290	0.312	0.291	0.295	0.289	0.274	0.290	4.44
63)		Azobenzene	1.187	1.137	1.209	1.093	1.076	1.080	1.018	1.114	6.03
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.109	0.132	0.137	0.139	0.142	0.141	0.133	9.31
66)	c	n-Nitrosodiphe...	0.636	0.622	0.643	0.597	0.604	0.607	0.593	0.615	3.13
67)		4-Bromophenyl-...	0.242	0.244	0.255	0.246	0.252	0.264	0.255	0.251	3.08
68)		Hexachlorobenzene	0.295	0.293	0.307	0.290	0.294	0.306	0.300	0.298	2.27
69)		Atrazine	0.194	0.179	0.142	0.147	0.156	0.227		0.174	18.57
70)	C	Pentachlorophenol		0.120	0.157	0.168	0.173	0.176	0.180	0.162	13.74
71)		Phenanthrene	1.144	1.097	1.128	1.003	0.981	0.971	0.910	1.033	8.67
72)		Anthracene	1.133	1.106	1.129	1.007	0.984	0.972	0.902	1.033	8.71
73)		Carbazole	0.988	0.965	1.001	0.882	0.851	0.817	0.777	0.897	9.84
74)		Di-n-butylphth...	1.135	1.074	1.144	1.010	0.976	0.931	0.868	1.020	10.17
75)	C	Fluoranthene	1.258	1.202	1.228	1.042	0.979	0.943	0.885	1.077	14.03
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.332	0.223	0.332	0.319	0.280	0.304	0.299	13.97
78)		Pyrene	1.700	1.778	1.918	1.674	1.614	1.541	1.461	1.670	9.07
79)	S	Terphenyl-d14	1.321	1.380	1.443	1.213	1.156	1.095	1.005	1.231	12.87
80)		Butylbenzylpht...	0.461	0.469	0.525	0.489	0.484	0.483	0.473	0.483	4.25
81)		Benzo(a)anthra...	1.303	1.290	1.317	1.207	1.279	1.259	1.205	1.266	3.53
82)		3,3'-Dichlorob...	0.347	0.355	0.369	0.375	0.415	0.421	0.419	0.386	8.26
83)		Chrysene	1.196	1.200	1.237	1.162	1.113	1.147	1.126	1.169	3.80
84)		Bis(2-ethylhex...	0.491	0.524	0.592	0.583	0.610	0.628	0.613	0.577	8.79
85)	c	Di-n-octyl pht...		0.785	0.906	0.980	1.093	1.112	1.067	0.991	12.81

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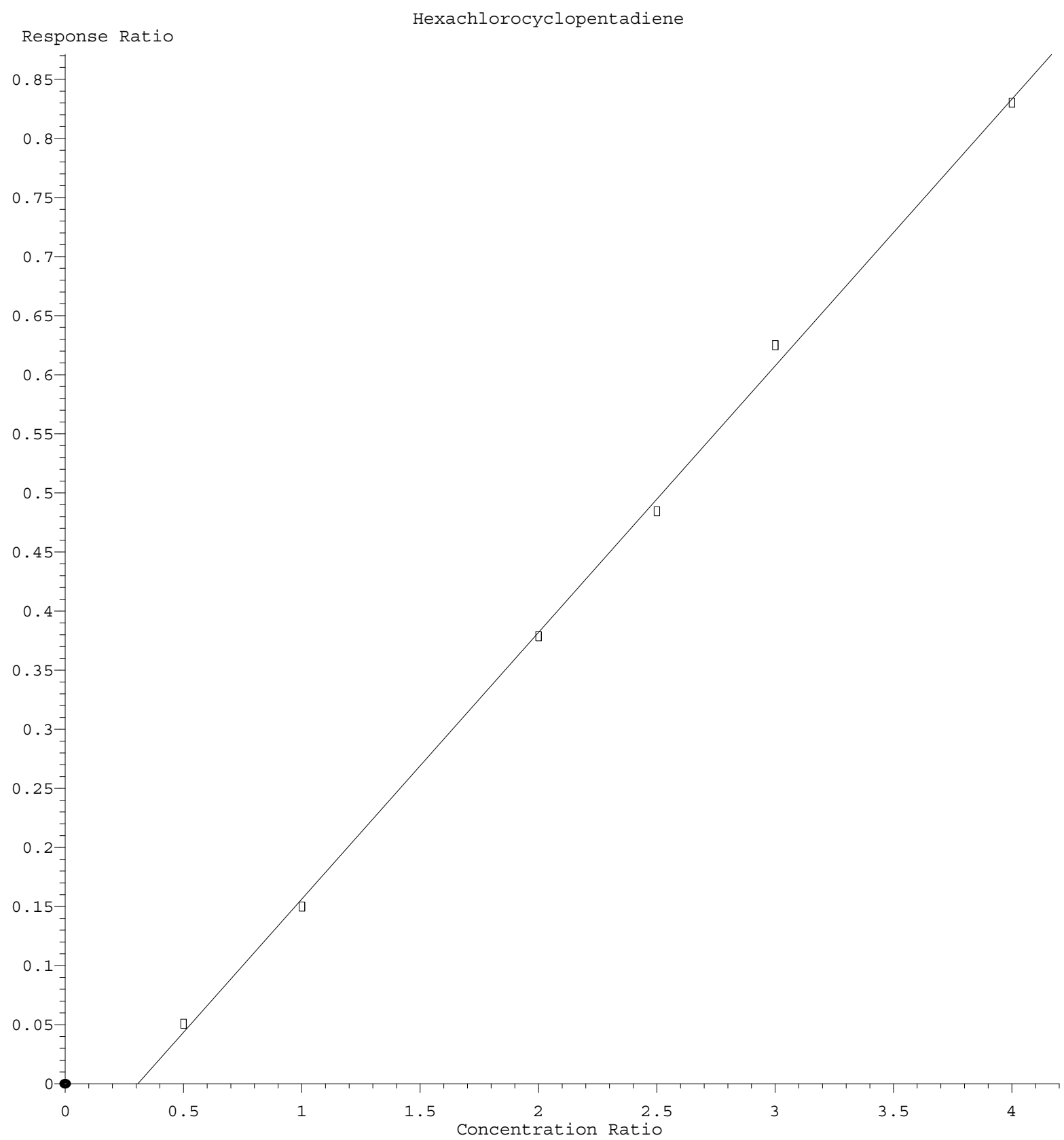
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.415	1.455	1.532	1.383	1.402	1.437	1.405	1.433	3.47
88)		Benzo(b)fluora...	1.199	1.083	1.306	1.111	1.092	1.218	1.095	1.158	7.34
89)		Benzo(k)fluora...	1.271	1.011	1.048	1.064	1.093	1.006	1.033	1.075	8.49
90)	C	Benzo(a)pyrene	1.019	1.012	1.076	1.005	1.004	1.034	1.000	1.022	2.62
91)		Dibenzo(a,h)an...	1.147	1.193	1.253	1.148	1.158	1.175	1.140	1.173	3.39
92)		Benzo(g,h,i)pe...	1.213	1.262	1.303	1.185	1.188	1.205	1.166	1.217	3.99

(#) = Out of Range



Response = 2.258e-001 * Amt - 6.938e-002
Coef of Det (r^2) = 0.998766 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF042325.M
Calibration Table Last Updated: Wed Apr 23 14:53:02 2025