Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM011323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 13 01:05:13 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM038439.D 5 =BM038440.D 10 =BM038441.D 20 =BM038442.D 40 =BM038443.D 50 =BM038444.D 60 =BM038445.D 80 =BM0384
46.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.718	0.676	0.637	0.567	0.559	0.470		0.604	14.91
3)		Pyridine		1.963	1.939	1.952	1.871	1.867	1.564	1.505	1.809	10.62
4)		n-Nitrosodimet...		1.308	1.268	1.240	1.167	1.127	0.931		1.173	11.61
5)	S	2-Fluorophenol		1.349	1.417	1.327	1.260	1.302	1.176	1.210	1.292	6.42
6)		Aniline		2.255	2.239	2.319	2.293	2.439	2.161	1.990	2.242	6.24
7)	S	Phenol-d6		1.752	1.726	1.794	1.850	1.900	1.742	1.648	1.773	4.71
8)		2-Chlorophenol		1.289	1.301	1.354	1.314	1.407	1.338	1.305	1.330	3.06
9)		Benzaldehyde		1.460	1.399	1.378	1.266	1.195	0.981		1.280	13.69
10)	C	Phenol		1.837	1.825	1.909	1.942	1.975	1.761	1.656	1.844	6.00
11)		bis(2-Chloroet...		1.564	1.493	1.551	1.499	1.617	1.427	1.308	1.494	6.83
12)		1,3-Dichlorobe...		1.421	1.377	1.427	1.368	1.426	1.406	1.400	1.404	1.67
13)	C	1,4-Dichlorobe...		1.433	1.400	1.448	1.382	1.458	1.436	1.425	1.426	1.88
14)		1,2-Dichlorobe...		1.396	1.340	1.401	1.369	1.440	1.431	1.461	1.405	3.01
15)		Benzyl Alcohol		1.465	1.479	1.612	1.594	1.623	1.524	1.401	1.528	5.53
16)		2,2'-oxybis(1-...		2.510	2.481	2.570	2.436	2.398	2.095	1.911	2.343	10.43
17)		2-Methylphenol		1.192	1.263	1.345	1.300	1.330	1.263	1.243	1.277	4.14
18)		Hexachloroethane		0.586	0.597	0.627	0.605	0.632	0.581	0.595	0.603	3.23
19)	P	n-Nitroso-di-n...	1.269	1.397	1.502	1.586	1.532	1.546	1.363	1.326	1.440	8.07
20)		3+4-Methylphenols		1.679	1.728	1.776	1.763	1.822	1.653	1.711	1.733	3.38
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.593	0.594	0.606	0.611	0.657	0.631	0.633	0.618	3.78
23)	S	Nitrobenzene-d5		0.509	0.511	0.532	0.530	0.564	0.521	0.505	0.524	3.84
24)		Nitrobenzene		0.569	0.540	0.565	0.543	0.577	0.526	0.517	0.548	4.12
25)		Isophorone		0.932	0.932	0.983	0.964	1.017	0.935	0.899	0.951	4.13
26)	C	2-Nitrophenol		0.160	0.173	0.184	0.190	0.204	0.206	0.205	0.189	9.34
27)		2,4-Dimethylph...		0.311	0.298	0.309	0.313	0.342	0.338	0.339	0.321	5.47
28)		bis(2-Chloroet...		0.515	0.519	0.540	0.524	0.560	0.521	0.516	0.528	3.13
29)	C	2,4-Dichloroph...		0.311	0.317	0.342	0.343	0.376	0.377	0.387	0.351	8.65
30)		1,2,4-Trichlor...		0.366	0.353	0.373	0.377	0.419	0.428	0.434	0.393	8.46
31)		Naphthalene		1.047	1.013	1.066	1.059	1.154	1.149	1.173	1.094	5.73
32)		Benzoic acid			0.195	0.225	0.254	0.279	0.278	0.278	0.252	13.87
33)		4-Chloroaniline		0.424	0.438	0.469	0.481	0.517	0.514	0.519	0.480	8.09
34)	C	Hexachlorobuta...		0.244	0.240	0.244	0.253	0.284	0.295	0.300	0.266	9.93
35)		Caprolactam		0.088	0.091	0.104	0.103	0.111	0.108	0.104	0.101	8.25
36)	C	4-Chloro-3-met...		0.371	0.373	0.394	0.396	0.424	0.406	0.403	0.395	4.73
37)		2-Methylnaphth...		0.727	0.720	0.772	0.807	0.887	0.890	0.925	0.818	10.19
38)		1-Methylnaphth...		0.690	0.684	0.729	0.752	0.823	0.836	0.867	0.769	9.57

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.654	0.705	0.729	0.799	0.805	0.844	0.742	10.17
41)	P	Hexachlorocycl...		0.333	0.381	0.422	0.473	0.491		0.420	15.54
42)	S	2,4,6-Tribromo...	0.269	0.268	0.294	0.333	0.372	0.377	0.358	0.325	14.53
43)	C	2,4,6-Trichlor...	0.433	0.433	0.461	0.485	0.533	0.530	0.553	0.490	10.18
44)		2,4,5-Trichlor...	0.539	0.524	0.536	0.561	0.619	0.622	0.649	0.579	8.67
45)	S	2-Fluorobiphenyl	1.532	1.421	1.568	1.751	1.924	1.881	1.817	1.699	11.35
46)		1,1'-Biphenyl	1.591	1.444	1.525	1.605	1.749	1.742	1.812	1.638	8.15
47)		2-Chloronaphth...	1.246	1.114	1.193	1.230	1.341	1.334	1.373	1.262	7.35
48)		2-Nitroaniline	0.438	0.464	0.510	0.526	0.544	0.487	0.463	0.490	7.76
49)		Acenaphthylene	1.740	1.788	1.890	1.983	2.154	2.155	2.239	1.993	9.80
50)		Dimethylphthalate	1.579	1.557	1.601	1.644	1.795	1.758	1.779	1.673	6.06
51)		2,6-Dinitrotol...	0.299	0.320	0.328	0.342	0.365	0.364	0.371	0.341	7.93
52)	C	Acenaphthene	1.069	1.093	1.137	1.215	1.332	1.344	1.353	1.220	10.14
53)		3-Nitroaniline	0.288	0.303	0.340	0.350	0.380	0.371	0.377	0.344	10.61
54)	P	2,4-Dinitrophenol		0.196	0.221	0.243	0.266	0.263	0.268	0.243	12.07
55)		Dibenzofuran	1.885	1.860	1.961	2.024	2.242	2.216	2.226	2.059	8.09
56)	P	4-Nitrophenol	0.209	0.239	0.267	0.282	0.306	0.292	0.294	0.270	12.82
57)		2,4-Dinitrotol...	0.397	0.431	0.455	0.486	0.534	0.533	0.544	0.483	11.84
58)		Fluorene	1.474	1.538	1.668	1.854	2.025	1.963	1.861	1.769	11.97
59)		2,3,4,6-Tetrac...	0.422	0.447	0.469	0.491	0.541	0.550	0.541	0.495	10.29
60)		Diethylphthalate	1.604	1.648	1.734	1.767	1.910	1.856	1.834	1.765	6.31
61)		4-Chlorophenyl...	0.829	0.820	0.901	0.977	1.067	1.032	0.974	0.943	10.19
62)		4-Nitroaniline	0.300	0.330	0.368	0.382	0.407	0.391	0.383	0.366	10.29
63)		Azobenzene	2.009	2.059	2.231	2.110	2.147	1.913	1.791	2.037	7.30
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.108	0.120	0.135	0.139	0.153	0.153	0.156	0.138	13.21
66)	c	n-Nitrosodiphe...	0.539	0.542	0.610	0.623	0.670	0.680	0.687	0.621	10.05
67)		4-Bromophenyl-...	0.200	0.199	0.223	0.234	0.260	0.266	0.266	0.235	12.49
68)		Hexachlorobenzene	0.219	0.217	0.233	0.249	0.276	0.286	0.286	0.252	12.14
69)		Atrazine	0.198	0.200	0.213	0.219	0.234	0.237	0.234	0.219	7.48
70)	C	Pentachlorophenol		0.157	0.170	0.191	0.211	0.222	0.224	0.196	14.30
71)		Phenanthrene	1.029	1.021	1.088	1.149	1.257	1.262	1.247	1.150	9.27
72)		Anthracene	1.035	1.037	1.116	1.207	1.308	1.316	1.295	1.188	10.54
73)		Carbazole	0.904	0.917	0.982	1.040	1.119	1.129	1.118	1.030	9.42
74)		Di-n-butylphth...	1.153	1.176	1.262	1.332	1.433	1.445	1.432	1.319	9.44
75)	C	Fluoranthene	1.275	1.283	1.346	1.451	1.569	1.582	1.534	1.434	9.28
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.378	0.387	0.445	0.502	0.476	0.422	0.416	0.432	10.46
78)		Pyrene	1.224	1.227	1.400	1.435	1.524	1.543	1.594	1.421	10.46
79)	S	Terphenyl-d14	0.976	0.995	1.216	1.216	1.232	1.123	1.066	1.118	9.70
80)		Butylbenzylpht...	0.468	0.480	0.552	0.568	0.606	0.617	0.647	0.563	12.09
81)		Benzo(a)anthra...	1.356	1.337	1.430	1.514	1.565	1.532	1.461	1.457	6.00
82)		3,3'-Dichlorob...	0.404	0.418	0.450	0.485	0.511	0.502	0.481	0.465	8.94
83)		Chrysene	1.321	1.290	1.390	1.431	1.477	1.437	1.365	1.387	4.82
84)		Bis(2-ethylhex...	0.702	0.715	0.814	0.891	0.929	0.932	0.927	0.844	12.02
85)	c	Di-n-octyl pht...	1.265	1.266	1.338	1.442	1.509	1.511	1.485	1.402	7.88

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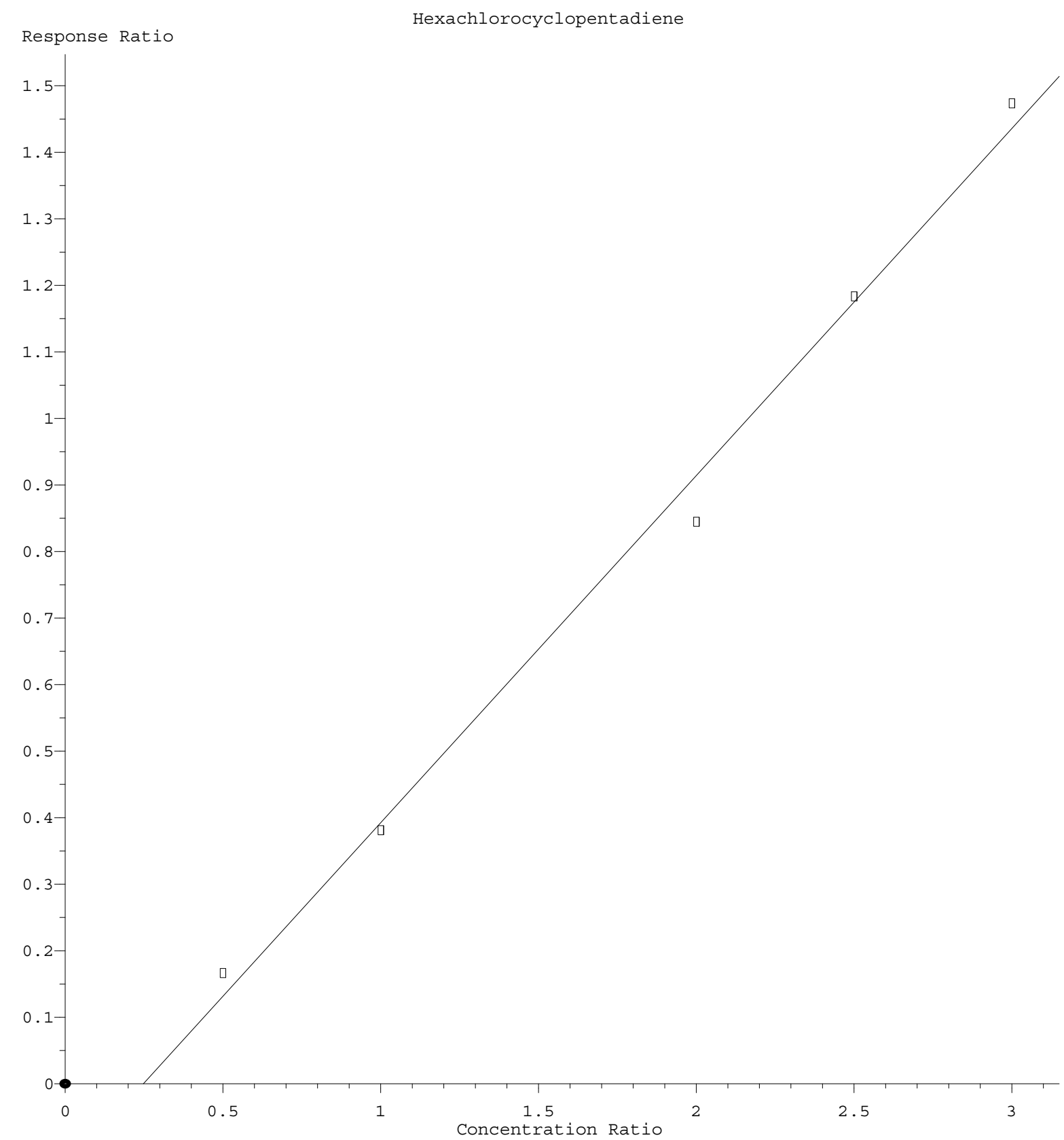
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.277	1.259	1.194	1.348	1.467	1.371	1.356	1.324	6.73
88)		Benzo(b)fluora...	1.089	1.115	1.306	1.317	1.406	1.479	1.452	1.309	11.86
89)		Benzo(k)fluora...	1.126	1.200	1.297	1.420	1.497	1.463	1.486	1.356	10.96
90)	C	Benzo(a)pyrene	1.076	1.103	1.206	1.276	1.362	1.361	1.357	1.249	9.85
91)		Dibenzo(a,h)an...	1.052	1.048	1.000	1.149	1.252	1.182	1.164	1.121	7.98
92)		Benzo(g,h,i)pe...	1.061	1.047	0.956	1.033	1.125	1.036	1.063	1.046	4.79

(#) = Out of Range



Response = 5.219e-001 * Amt - 1.297e-001
Coef of Det (r^2) = 0.993496 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM011323.M
Calibration Table Last Updated: Fri Jan 13 01:05:13 2023