Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 03 00:28:57 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM044877.D 5 =BM044878.D 10 =BM044879.D 20 =BM044880.D 40 =BM044881.D 50 =BM044882.D 60 =BM044883.D 80 =BM0448
84.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.477	0.542	0.577	0.489	0.522	0.518	0.486	0.516	6.90
3)		Pyridine		1.275	1.479	1.624	1.456	1.554	1.569	1.500	1.494	7.53
4)		n-Nitrosodimet...		0.677	0.635	0.707	0.612	0.639	0.648	0.625	0.649	5.04
5)	S	2-Fluorophenol		1.212	1.319	1.421	1.282	1.351	1.376	1.311	1.325	5.09
6)		Aniline		1.827	1.965	2.180	2.033	2.167	2.188	2.069	2.061	6.44
7)	S	Phenol-d6		1.500	1.643	1.852	1.749	1.860	1.860	1.776	1.749	7.71
8)		2-Chlorophenol		1.299	1.372	1.511	1.387	1.451	1.474	1.409	1.415	5.00
9)		Benzaldehyde		0.995	1.012	1.003	0.831	0.841	0.808	0.700	0.884	13.65
10)	C	Phenol		1.516	1.658	1.803	1.714	1.818	1.827	1.738	1.725	6.42
11)		bis(2-Chloroet...		1.339	1.423	1.484	1.380	1.430	1.443	1.379	1.411	3.42
12)		1,3-Dichlorobe...		1.455	1.491	1.581	1.433	1.481	1.515	1.443	1.486	3.44
13)	C	1,4-Dichlorobe...		1.421	1.481	1.588	1.453	1.507	1.536	1.472	1.494	3.70
14)		1,2-Dichlorobe...		1.441	1.450	1.566	1.428	1.486	1.500	1.436	1.473	3.35
15)		Benzyl Alcohol		0.970	1.076	1.230	1.206	1.311	1.330	1.265	1.198	10.91
16)		2,2'-oxybis(1-...		1.534	1.628	1.741	1.608	1.659	1.669	1.560	1.628	4.30
17)		2-Methylphenol		1.020	1.166	1.363	1.280	1.343	1.350	1.267	1.256	9.89
18)		Hexachloroethane		0.561	0.563	0.596	0.570	0.594	0.604	0.583	0.582	2.97
19)	P	n-Nitroso-di-n...	0.982	1.038	1.162	1.270	1.179	1.267	1.262	1.177	1.167	9.21
20)		3+4-Methylphenols		1.415	1.624	1.878	1.747	1.882	1.900	1.769	1.745	10.06
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.483	0.504	0.533	0.522	0.527	0.545	0.529	0.520	3.93
23)	S	Nitrobenzene-d5		0.362	0.379	0.416	0.411	0.421	0.436	0.418	0.406	6.41
24)		Nitrobenzene		0.370	0.383	0.408	0.396	0.404	0.422	0.399	0.397	4.23
25)		Isophorone		0.629	0.711	0.746	0.724	0.760	0.766	0.721	0.722	6.38
26)	C	2-Nitrophenol		0.140	0.163	0.184	0.190	0.195	0.204	0.197	0.182	12.45
27)		2,4-Dimethylph...		0.273	0.286	0.314	0.306	0.317	0.325	0.308	0.304	6.02
28)		bis(2-Chloroet...		0.414	0.433	0.465	0.446	0.454	0.466	0.445	0.446	4.11
29)	C	2,4-Dichloroph...		0.257	0.277	0.324	0.320	0.327	0.339	0.321	0.309	9.74
30)		1,2,4-Trichlor...		0.304	0.313	0.333	0.325	0.325	0.339	0.326	0.323	3.65
31)		Naphthalene		1.028	1.066	1.113	1.073	1.094	1.119	1.073	1.081	2.88
32)		Benzoic acid			0.198	0.239	0.251	0.278	0.284	0.275	0.254	12.74
33)		4-Chloroaniline		0.392	0.448	0.491	0.473	0.502	0.510	0.482	0.471	8.53
34)	C	Hexachlorobuta...		0.176	0.177	0.189	0.185	0.182	0.193	0.185	0.184	3.34
35)		Caprolactam		0.091	0.113	0.123	0.108	0.122	0.115	0.109	0.112	9.55
36)	C	4-Chloro-3-met...		0.266	0.327	0.362	0.334	0.358	0.358	0.343	0.335	9.90
37)		2-Methylnaphth...		0.744	0.763	0.800	0.763	0.793	0.808	0.765	0.777	3.02
38)		1-Methylnaphth...		0.700	0.747	0.758	0.717	0.750	0.756	0.719	0.735	3.09

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.508	0.507	0.564	0.558	0.549	0.586	0.569	0.549	5.55
41)	P	Hexachlorocycl...		0.238	0.288	0.320	0.310	0.346	0.344	0.308	13.19
42)	S	2,4,6-Tribromo...	0.238	0.279	0.313	0.289	0.315	0.313	0.298	0.292	9.44
43)	C	2,4,6-Trichlor...	0.311	0.340	0.402	0.410	0.410	0.430	0.418	0.389	11.47
44)		2,4,5-Trichlor...	0.405	0.423	0.481	0.474	0.485	0.504	0.492	0.466	8.01
45)	S	2-Fluorobiphenyl	1.360	1.369	1.491	1.503	1.483	1.588	1.529	1.475	5.63
46)		1,1'-Biphenyl	1.423	1.394	1.527	1.504	1.503	1.594	1.533	1.497	4.54
47)		2-Chloronaphth...	1.080	1.051	1.160	1.146	1.139	1.212	1.171	1.137	4.81
48)		2-Nitroaniline	0.288	0.320	0.370	0.366	0.385	0.399	0.390	0.360	11.33
49)		Acenaphthylene	1.705	1.799	1.947	1.894	1.937	2.022	1.943	1.892	5.64
50)		Dimethylphthalate	1.512	1.587	1.640	1.505	1.608	1.634	1.557	1.578	3.49
51)		2,6-Dinitrotol...	0.297	0.315	0.344	0.326	0.344	0.354	0.340	0.331	6.07
52)	C	Acenaphthene	1.065	1.095	1.164	1.141	1.159	1.206	1.155	1.141	4.10
53)		3-Nitroaniline	0.302	0.324	0.394	0.376	0.404	0.408	0.398	0.372	11.34
54)	P	2,4-Dinitrophenol		0.138	0.181	0.190	0.215	0.218	0.218	0.193	16.18
55)		Dibenzofuran	1.795	1.806	1.946	1.856	1.925	1.960	1.876	1.881	3.51
56)	P	4-Nitrophenol		0.247	0.306	0.294	0.322	0.327	0.310	0.301	9.60
57)		2,4-Dinitrotol...	0.390	0.421	0.487	0.455	0.502	0.505	0.485	0.463	9.45
58)		Fluorene	1.368	1.481	1.581	1.495	1.602	1.613	1.529	1.524	5.63
59)		2,3,4,6-Tetrac...	0.345	0.379	0.419	0.381	0.398	0.402	0.386	0.387	6.00
60)		Diethylphthalate	1.499	1.613	1.685	1.546	1.705	1.694	1.614	1.622	4.84
61)		4-Chlorophenyl...	0.695	0.723	0.755	0.722	0.766	0.779	0.735	0.739	3.96
62)		4-Nitroaniline	0.272	0.285	0.364	0.351	0.392	0.385	0.373	0.346	13.93
63)		Azobenzene	1.431	1.487	1.620	1.541	1.644	1.654	1.576	1.565	5.35
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.098	0.120	0.130	0.135	0.139	0.139	0.127	12.47
66)	c	n-Nitrosodiphe...	0.541	0.559	0.623	0.619	0.616	0.647	0.631	0.605	6.50
67)		4-Bromophenyl-...	0.197	0.196	0.220	0.216	0.216	0.228	0.221	0.213	5.76
68)		Hexachlorobenzene	0.231	0.236	0.253	0.252	0.249	0.259	0.251	0.248	4.08
69)		Atrazine	0.178	0.194	0.209	0.197	0.199	0.203	0.193	0.196	4.94
70)	C	Pentachlorophenol		0.148	0.180	0.180	0.186	0.194	0.188	0.179	9.12
71)		Phenanthrene	1.045	1.074	1.144	1.106	1.129	1.162	1.123	1.112	3.64
72)		Anthracene	1.013	1.061	1.162	1.134	1.165	1.194	1.150	1.126	5.77
73)		Carbazole	0.938	1.027	1.114	1.054	1.089	1.124	1.071	1.060	5.97
74)		Di-n-butylphth...	1.145	1.265	1.399	1.349	1.445	1.496	1.449	1.364	9.02
75)	C	Fluoranthene	1.231	1.300	1.387	1.287	1.338	1.361	1.304	1.316	3.93
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.300	0.356	0.350	0.446	0.383	0.380	0.398	0.373	12.11
78)		Pyrene	1.180	1.234	1.341	1.335	1.384	1.445	1.404	1.332	7.08
79)	S	Terphenyl-d14	1.023	1.070	1.185	1.182	1.232	1.284	1.217	1.171	7.89
80)		Butylbenzylpht...	0.473	0.538	0.605	0.614	0.666	0.712	0.694	0.615	14.02
81)		Benzo(a)anthra...	1.304	1.313	1.418	1.352	1.405	1.461	1.406	1.380	4.21
82)		3,3'-Dichlorob...	0.445	0.482	0.531	0.511	0.529	0.559	0.510	0.510	7.25
83)		Chrysene	1.234	1.244	1.348	1.298	1.336	1.381	1.325	1.310	4.13
84)		Bis(2-ethylhex...	0.772	0.840	0.959	1.000	1.086	1.128	1.086	0.982	13.69
85)	c	Di-n-octyl pht...	1.318	1.433	1.614	1.629	1.768	1.869	1.806	1.634	12.33

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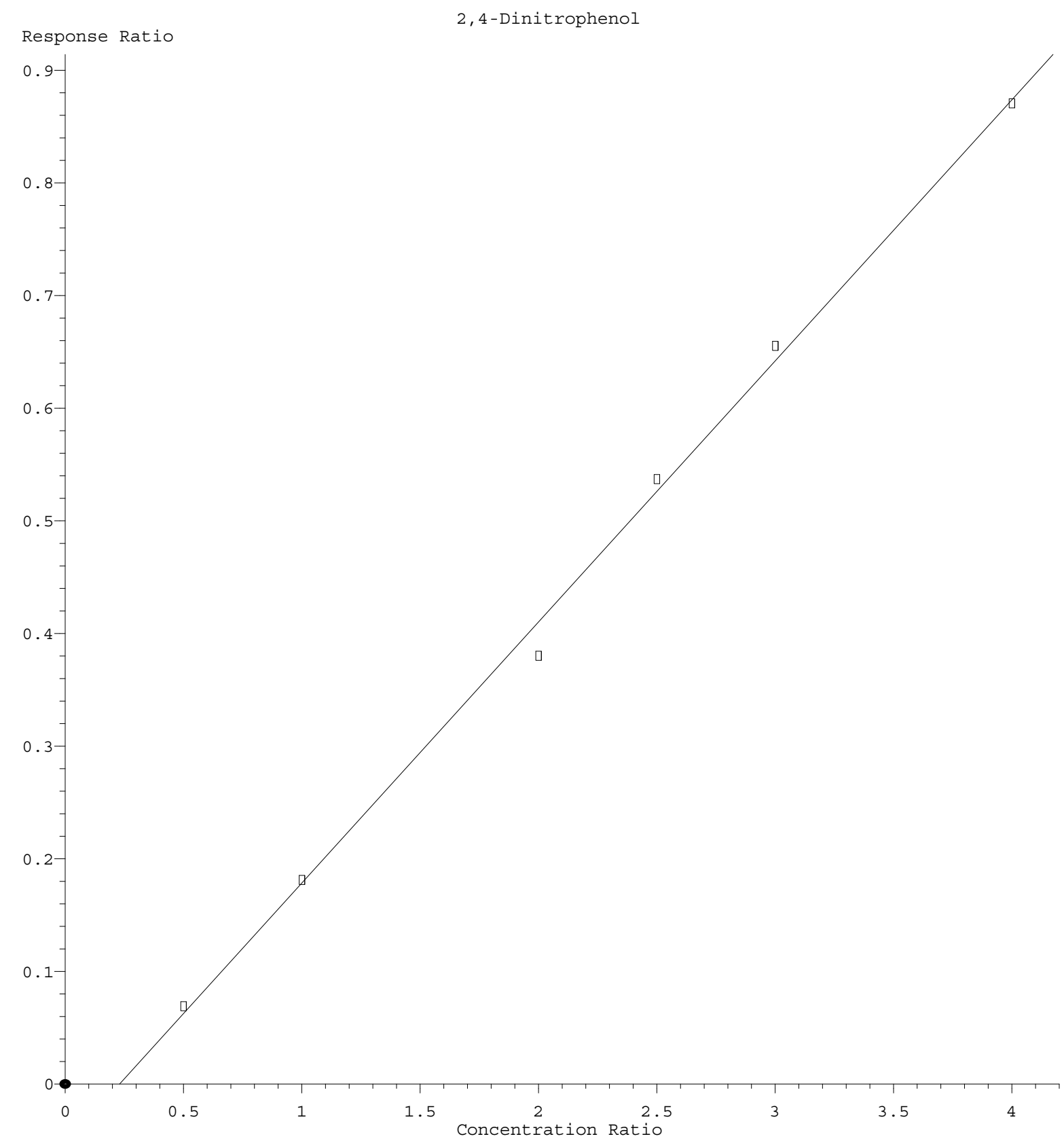
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.385	1.425	1.548	1.488	1.542	1.589	1.529	1.501	4.85
88)		Benzo(b)fluora...	1.067	1.103	1.207	1.164	1.215	1.295	1.251	1.186	6.80
89)		Benzo(k)fluora...	1.070	1.098	1.212	1.190	1.261	1.225	1.187	1.178	5.88
90)	C	Benzo(a)pyrene	1.017	1.067	1.170	1.154	1.200	1.232	1.200	1.149	6.82
91)		Dibenzo(a,h)an...	1.167	1.193	1.293	1.260	1.299	1.338	1.295	1.264	4.89
92)		Benzo(g,h,i)pe...	1.143	1.162	1.248	1.208	1.230	1.279	1.227	1.214	3.90

(#) = Out of Range



Response = 2.318e-001 * Amt - 5.327e-002
Coef of Det (r^2) = 0.997197 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM040224.M
Calibration Table Last Updated: Wed Apr 03 00:28:57 2024