Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM071724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 18 06:01:46 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM046683.D 5 =BM046684.D 10 =BM046685.D 20 =BM046686.D 40 =BM046687.D 50 =BM046688.D 60 =BM046689.D 80 =BM0466
90.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.313	0.310	0.307	0.293	0.284	0.291	0.294	0.299	3.70
3)		Pyridine		0.889	0.873	0.853	0.862	0.851	0.900	0.903	0.876	2.47
4)		n-Nitrosodimet...		0.637	0.649	0.645	0.651	0.628	0.664	0.668	0.649	2.16
5)	S	2-Fluorophenol		1.008	0.963	1.001	0.988	0.945	0.985	1.002	0.985	2.34
6)		Aniline		1.084	1.074	1.115	1.084	1.037	1.098	1.093	1.084	2.23
7)	S	Phenol-d6		1.241	1.267	1.265	1.264	1.198	1.263	1.278	1.254	2.15
8)		2-Chlorophenol		1.110	1.105	1.121	1.125	1.048	1.103	1.104	1.102	2.30
9)		Benzaldehyde		0.872	0.853	0.847	0.764	0.719	0.685	0.617	0.765	12.66
10)	C	Phenol		1.278	1.216	1.228	1.210	1.158	1.216	1.223	1.218	2.87
11)		bis(2-Chloroet...		0.953	0.914	0.918	0.893	0.849	0.909	0.902	0.905	3.47
12)		1,3-Dichlorobe...		1.519	1.449	1.481	1.461	1.389	1.448	1.443	1.456	2.72
13)	C	1,4-Dichlorobe...		1.496	1.462	1.523	1.494	1.416	1.484	1.474	1.478	2.27
14)		1,2-Dichlorobe...		1.464	1.428	1.427	1.418	1.333	1.396	1.393	1.408	2.88
15)		Benzyl Alcohol		1.015	1.044	1.026	1.018	0.986	1.030	1.030	1.021	1.78
16)		2,2'-oxybis(1-...		1.032	0.941	0.964	0.949	0.899	0.922	0.917	0.946	4.62
17)		2-Methylphenol		0.878	0.862	0.880	0.875	0.835	0.876	0.868	0.868	1.81
18)		Hexachloroethane		0.530	0.508	0.552	0.553	0.523	0.547	0.546	0.537	3.19
19)	P	n-Nitroso-di-n...	0.791	0.783	0.781	0.794	0.802	0.778	0.803	0.800	0.792	1.26
20)		3+4-Methylphenols		1.153	1.159	1.214	1.210	1.167	1.218	1.225	1.192	2.60
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.470	0.457	0.467	0.462	0.449	0.455	0.460	0.460	1.56
23)	S	Nitrobenzene-d5		0.383	0.374	0.390	0.391	0.379	0.388	0.390	0.385	1.67
24)		Nitrobenzene		0.395	0.372	0.385	0.374	0.371	0.373	0.374	0.378	2.43
25)		Isophorone		0.585	0.564	0.575	0.590	0.579	0.582	0.580	0.579	1.41
26)	C	2-Nitrophenol		0.177	0.170	0.182	0.182	0.179	0.189	0.188	0.181	3.67
27)		2,4-Dimethylph...		0.197	0.195	0.193	0.197	0.197	0.197	0.200	0.196	1.12
28)		bis(2-Chloroet...		0.340	0.323	0.337	0.332	0.323	0.328	0.330	0.330	1.96
29)	C	2,4-Dichloroph...		0.360	0.342	0.357	0.354	0.349	0.353	0.355	0.353	1.67
30)		1,2,4-Trichlor...		0.429	0.423	0.447	0.439	0.425	0.432	0.432	0.432	1.88
31)		Naphthalene		1.010	0.969	1.002	1.002	0.977	0.997	0.997	0.994	1.50
32)		Benzoic acid		0.207	0.224	0.239	0.245	0.249	0.253	0.259	0.239	7.64
33)		4-Chloroaniline		0.358	0.356	0.371	0.377	0.368	0.382	0.379	0.370	2.72
34)	C	Hexachlorobuta...		0.292	0.289	0.304	0.298	0.285	0.290	0.289	0.292	2.15
35)		Caprolactam		0.088	0.085	0.093	0.094	0.094	0.097	0.101	0.093	5.75
36)	C	4-Chloro-3-met...		0.319	0.309	0.323	0.330	0.325	0.335	0.338	0.326	3.07
37)		2-Methylnaphth...		0.744	0.734	0.766	0.764	0.752	0.761	0.760	0.754	1.57
38)		1-Methylnaphth...		0.719	0.723	0.745	0.750	0.742	0.753	0.757	0.741	2.00

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.688	0.653	0.672	0.652	0.635	0.635	0.618	0.650	3.69
41)	P	Hexachlorocycl...	0.125	0.126	0.160	0.171	0.178	0.178	0.176	0.159	14.92
42)	S	2,4,6-Tribromo...	0.297	0.298	0.310	0.315	0.313	0.321	0.318	0.310	3.03
43)	C	2,4,6-Trichlor...	0.435	0.427	0.439	0.431	0.423	0.426	0.416	0.428	1.75
44)		2,4,5-Trichlor...	0.483	0.466	0.489	0.479	0.471	0.485	0.470	0.477	1.82
45)	S	2-Fluorobiphenyl	1.446	1.410	1.445	1.428	1.399	1.412	1.371	1.416	1.87
46)		1,1'-Biphenyl	1.434	1.382	1.437	1.387	1.373	1.388	1.339	1.391	2.47
47)		2-Chloronaphth...	1.198	1.167	1.182	1.157	1.113	1.139	1.097	1.150	3.17
48)		2-Nitroaniline	0.281	0.294	0.301	0.308	0.304	0.318	0.306	0.302	3.89
49)		Acenaphthylene	1.594	1.562	1.625	1.613	1.578	1.617	1.600	1.598	1.41
50)		Dimethylphthalate	1.415	1.353	1.409	1.386	1.365	1.396	1.359	1.383	1.78
51)		2,6-Dinitrotol...	0.296	0.306	0.333	0.324	0.322	0.334	0.323	0.320	4.41
52)	C	Acenaphthene	1.012	1.002	1.048	1.030	1.023	1.040	1.020	1.025	1.55
53)		3-Nitroaniline	0.262	0.275	0.299	0.298	0.289	0.302	0.300	0.289	5.25
54)	P	2,4-Dinitrophenol		0.111	0.148	0.168	0.172	0.185	0.188	0.162	17.89
55)		Dibenzofuran	1.721	1.712	1.772	1.751	1.704	1.762	1.722	1.735	1.51
56)	P	4-Nitrophenol	0.216	0.230	0.259	0.256	0.258	0.269	0.269	0.251	8.10
57)		2,4-Dinitrotol...	0.414	0.436	0.474	0.478	0.471	0.486	0.482	0.463	5.83
58)		Fluorene	1.445	1.439	1.476	1.494	1.485	1.529	1.510	1.483	2.19
59)		2,3,4,6-Tetrac...	0.426	0.436	0.452	0.441	0.437	0.448	0.437	0.440	1.99
60)		Diethylphthalate	1.421	1.391	1.431	1.465	1.425	1.446	1.410	1.427	1.67
61)		4-Chlorophenyl...	0.795	0.780	0.809	0.805	0.792	0.807	0.794	0.797	1.30
62)		4-Nitroaniline	0.294	0.322	0.330	0.333	0.327	0.343	0.334	0.326	4.76
63)		Azobenzene	1.112	1.132	1.192	1.180	1.160	1.183	1.151	1.159	2.52
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.082	0.101	0.105	0.109	0.109	0.117	0.104	11.68
66)	c	n-Nitrosodiphe...	0.516	0.505	0.524	0.523	0.515	0.528	0.520	0.519	1.47
67)		4-Bromophenyl-...	0.223	0.224	0.229	0.227	0.228	0.225	0.225	0.226	0.94
68)		Hexachlorobenzene	0.279	0.269	0.275	0.270	0.271	0.272	0.273	0.273	1.27
69)		Atrazine	0.200	0.200	0.205	0.160	0.180	0.170	0.160	0.182	10.75
70)	C	Pentachlorophenol	0.182	0.185	0.198	0.192	0.195	0.202	0.200	0.194	3.87
71)		Phenanthrene	0.990	0.964	1.022	0.983	0.987	1.003	1.004	0.993	1.87
72)		Anthracene	0.978	0.952	1.001	0.983	0.977	0.990	0.997	0.983	1.67
73)		Carbazole	0.910	0.913	0.957	0.923	0.920	0.939	0.947	0.930	1.95
74)		Di-n-butylphth...	1.001	0.999	1.066	1.067	1.046	1.053	1.047	1.040	2.76
75)	C	Fluoranthene	1.232	1.248	1.325	1.256	1.269	1.296	1.308	1.276	2.69
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.383	0.347	0.434	0.378	0.380	0.485	0.395	0.400	11.36
78)		Pyrene	1.395	1.355	1.433	1.460	1.427	1.461	1.436	1.424	2.64
79)	S	Terphenyl-d14	1.061	1.036	1.106	1.139	1.118	1.152	1.130	1.106	3.84
80)		Butylbenzylpht...	0.476	0.485	0.519	0.546	0.522	0.531	0.521	0.514	4.82
81)		Benzo(a)anthra...	1.344	1.272	1.333	1.332	1.302	1.346	1.335	1.323	2.04
82)		3,3'-Dichlorob...	0.439	0.433	0.468	0.473	0.462	0.477	0.468	0.460	3.71
83)		Chrysene	1.213	1.203	1.243	1.245	1.221	1.267	1.245	1.234	1.81
84)		Bis(2-ethylhex...	0.683	0.665	0.710	0.710	0.678	0.692	0.664	0.686	2.81
85)	c	Di-n-octyl pht...	1.134	1.098	1.192	1.191	1.155	1.177	1.146	1.156	2.94

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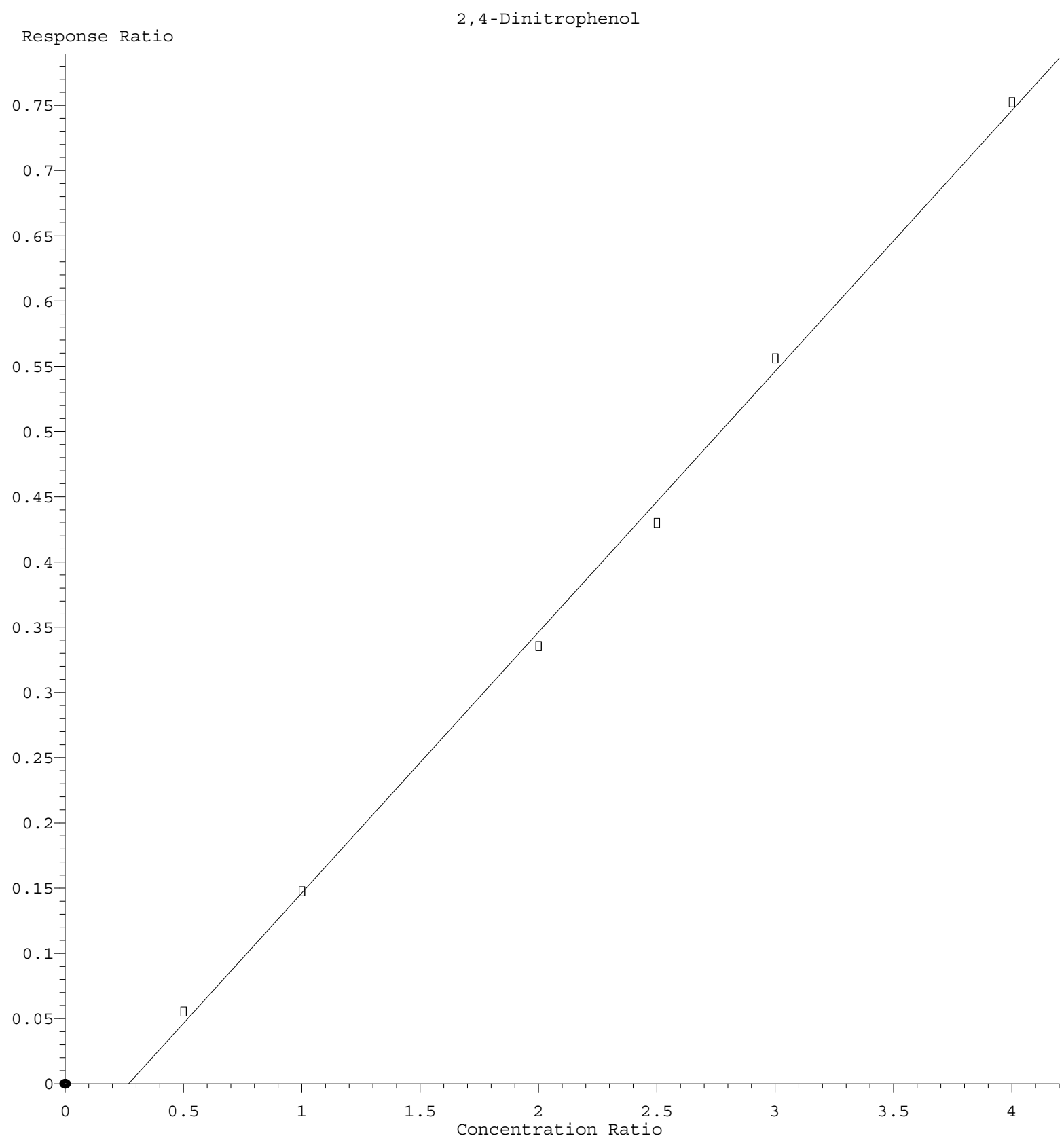
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.354	1.266	1.305	1.278	1.260	1.305	1.302	1.296	2.46
88)		Benzo(b)fluora...	1.227	1.185	1.253	1.228	1.225	1.257	1.246	1.231	1.99
89)		Benzo(k)fluora...	1.169	1.125	1.157	1.159	1.153	1.192	1.181	1.162	1.85
90)	C	Benzo(a)pyrene	1.058	1.026	1.068	1.064	1.051	1.098	1.092	1.065	2.29
91)		Dibenzo(a,h)an...	1.108	1.069	1.083	1.058	1.051	1.084	1.076	1.076	1.74
92)		Benzo(g,h,i)pe...	1.121	1.094	1.108	1.092	1.091	1.131	1.132	1.110	1.63

(#) = Out of Range



Response = 1.999e-001 * Amt - 5.363e-002
Coef of Det (r^2) = 0.998195 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM071724.M
Calibration Table Last Updated: Thu Jul 18 06:01:46 2024