Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Nov 04 17:12:57 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140214.D 5 =BF140215.D 10 =BF140216.D 20 =BF140217.D 40 =BF140218.D 50 =BF140219.D 60 =BF140220.D 80 =BF1402
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.571	0.537	0.543	0.509	0.500	0.505	0.482	0.521	5.86
3)		Pyridine		1.395	1.359	1.319	1.266	1.219	1.234	1.166	1.280	6.39
4)		n-Nitrosodimet...		0.788	0.746	0.760	0.712	0.691	0.682	0.638	0.717	7.19
5)	S	2-Fluorophenol		1.316	1.258	1.244	1.143	1.120	1.119	1.063	1.180	7.80
6)		Aniline		1.499	1.461	1.405	1.292	1.239	1.227	1.131	1.322	10.27
7)	S	Phenol-d6		1.713	1.616	1.581	1.457	1.438	1.437	1.360	1.514	8.23
8)		2-Chlorophenol		1.383	1.325	1.292	1.201	1.182	1.188	1.138	1.244	7.21
9)		Benzaldehyde		1.195	1.109	1.066	0.915	0.831	0.789		0.984	16.56
10)	C	Phenol		1.835	1.719	1.692	1.563	1.520	1.515	1.431	1.611	8.80
11)		bis(2-Chloroet...		1.412	1.295	1.277	1.194	1.186	1.182	1.123	1.238	7.80
12)		1,3-Dichlorobe...		1.655	1.556	1.530	1.427	1.392	1.403	1.319	1.469	7.89
13)	C	1,4-Dichlorobe...		1.685	1.581	1.542	1.425	1.408	1.415	1.332	1.484	8.26
14)		1,2-Dichlorobe...		1.591	1.501	1.460	1.330	1.291	1.303	1.231	1.387	9.48
15)		Benzyl Alcohol		1.290	1.255	1.243	1.175	1.143	1.137	1.061	1.186	6.77
16)		2,2'-oxybis(1-...		2.124	1.978	1.878	1.725	1.655	1.613	1.504	1.782	12.33
17)		2-Methylphenol		1.082	1.041	1.044	0.983	0.975	0.983	0.941	1.007	4.92
18)		Hexachloroethane		0.603	0.578	0.572	0.541	0.534	0.537	0.503	0.552	6.07
19)	P	n-Nitroso-di-n...	1.066	1.148	1.056	1.019	0.940	0.913	0.911	0.858	0.989	9.96
20)		3+4-Methylphenols		1.506	1.389	1.367	1.250	1.213	1.220	1.124	1.296	10.08
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.558	0.538	0.509	0.472	0.458	0.462	0.434	0.490	9.31
23)	S	Nitrobenzene-d5		0.432	0.420	0.414	0.386	0.380	0.378	0.358	0.395	6.80
24)		Nitrobenzene		0.450	0.446	0.430	0.402	0.393	0.394	0.373	0.413	7.18
25)		Isophorone		0.727	0.713	0.694	0.655	0.644	0.649	0.618	0.672	5.99
26)	C	2-Nitrophenol		0.150	0.160	0.164	0.164	0.164	0.169	0.163	0.162	3.80
27)		2,4-Dimethylph...		0.230	0.225	0.228	0.219	0.218	0.223	0.210	0.222	3.00
28)		bis(2-Chloroet...		0.447	0.433	0.414	0.394	0.386	0.390	0.368	0.405	6.91
29)	C	2,4-Dichloroph...		0.288	0.291	0.289	0.277	0.272	0.281	0.267	0.281	3.21
30)		1,2,4-Trichlor...		0.377	0.363	0.356	0.334	0.330	0.335	0.316	0.344	6.24
31)		Naphthalene		1.132	1.090	1.049	0.976	0.955	0.954	0.902	1.008	8.30
32)		Benzoic acid			0.122	0.148	0.181	0.193	0.205	0.209	0.176	19.50
33)		4-Chloroaniline		0.367	0.365	0.349	0.317	0.315	0.318	0.308	0.334	7.57
34)	C	Hexachlorobuta...		0.257	0.251	0.245	0.234	0.232	0.232	0.223	0.239	4.99
35)		Caprolactam		0.084	0.087	0.083	0.084	0.081	0.084	0.080	0.083	2.52
36)	C	4-Chloro-3-met...		0.324	0.323	0.316	0.298	0.296	0.297	0.285	0.306	5.00
37)		2-Methylnaphth...		0.743	0.738	0.707	0.648	0.634	0.637	0.603	0.673	8.28
38)		1-Methylnaphth...		0.747	0.714	0.688	0.631	0.620	0.622	0.588	0.659	8.82

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110424.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.662	0.643	0.634	0.595	0.601	0.614	0.573	0.617	5.01
41)	P	Hexachlorocycl...	0.123	0.149	0.172	0.185	0.189	0.193	0.174	0.169	14.82
42)	S	2,4,6-Tribromo...	0.207	0.218	0.215	0.220	0.222	0.234	0.227	0.221	3.99
43)	C	2,4,6-Trichlor...	0.391	0.378	0.375	0.382	0.375	0.379	0.357	0.377	2.73
44)		2,4,5-Trichlor...	0.398	0.405	0.400	0.380	0.389	0.400	0.386	0.394	2.28
45)	S	2-Fluorobiphenyl	1.487	1.415	1.324	1.226	1.181	1.210	1.114	1.280	10.50
46)		1,1'-Biphenyl	1.645	1.576	1.495	1.398	1.378	1.387	1.282	1.452	8.71
47)		2-Chloronaphth...	1.236	1.192	1.131	1.060	1.050	1.052	0.988	1.101	8.02
48)		2-Nitroaniline	0.342	0.357	0.356	0.348	0.337	0.338	0.318	0.342	3.91
49)		Acenaphthylene	1.719	1.677	1.611	1.496	1.483	1.484	1.381	1.550	7.84
50)		Dimethylphthalate	1.336	1.310	1.258	1.186	1.163	1.199	1.132	1.226	6.26
51)		2,6-Dinitrotol...	0.295	0.308	0.300	0.287	0.286	0.295	0.275	0.292	3.69
52)	C	Acenaphthene	1.208	1.171	1.118	1.075	1.062	1.082	1.019	1.105	5.93
53)		3-Nitroaniline	0.281	0.281	0.275	0.267	0.255	0.263	0.244	0.267	5.15
54)	P	2,4-Dinitrophenol		0.074	0.103	0.130	0.138	0.147	0.146	0.123	23.61
55)		Dibenzofuran	1.772	1.713	1.628	1.510	1.459	1.483	1.362	1.561	9.46
56)	P	4-Nitrophenol	0.173	0.192	0.203	0.205	0.199	0.205	0.203	0.197	5.80
57)		2,4-Dinitrotol...	0.378	0.394	0.393	0.385	0.377	0.389	0.362	0.383	2.91
58)		Fluorene	1.431	1.375	1.281	1.196	1.174	1.175	1.105	1.248	9.53
59)		2,3,4,6-Tetrac...	0.320	0.330	0.327	0.326	0.325	0.337	0.319	0.326	1.89
60)		Diethylphthalate	1.380	1.339	1.300	1.214	1.187	1.202	1.125	1.249	7.35
61)		4-Chlorophenyl...	0.720	0.704	0.661	0.610	0.605	0.617	0.579	0.642	8.37
62)		4-Nitroaniline	0.275	0.285	0.274	0.271	0.264	0.274	0.256	0.271	3.38
63)		Azobenzene	1.468	1.404	1.328	1.218	1.189	1.169	1.092	1.267	10.75
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.076	0.096	0.111	0.112	0.117	0.116	0.105	15.44
66)	c	n-Nitrosodiphe...	0.630	0.597	0.600	0.565	0.553	0.551	0.536	0.576	5.83
67)		4-Bromophenyl-...	0.235	0.231	0.230	0.221	0.220	0.222	0.218	0.225	2.89
68)		Hexachlorobenzene	0.267	0.258	0.256	0.250	0.250	0.252	0.247	0.254	2.57
69)		Atrazine	0.197	0.189	0.155	0.166	0.134	0.144	0.143	0.161	14.97
70)	C	Pentachlorophenol	0.101	0.122	0.136	0.146	0.144	0.149	0.149	0.135	13.23
71)		Phenanthrene	1.113	1.045	1.015	0.941	0.918	0.903	0.870	0.972	9.04
72)		Anthracene	1.087	1.018	1.002	0.926	0.895	0.893	0.850	0.953	8.88
73)		Carbazole	0.973	0.927	0.917	0.848	0.809	0.804	0.770	0.864	8.76
74)		Di-n-butylphth...	1.113	1.077	1.077	1.002	0.963	0.950	0.913	1.013	7.51
75)	C	Fluoranthene	1.195	1.131	1.102	1.017	0.965	0.958	0.922	1.041	9.84
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.508	0.474	0.332	0.300	0.320	0.219	0.276	0.347	30.38
78)		Pyrene	1.780	1.674	1.709	1.622	1.560	1.609	1.543	1.642	5.12
79)	S	Terphenyl-d14	1.354	1.275	1.275	1.237	1.192	1.249	1.192	1.254	4.48
80)		Butylbenzylpht...	0.554	0.572	0.595	0.586	0.569	0.588	0.569	0.576	2.42
81)		Benzo(a)anthra...	1.445	1.386	1.323	1.286	1.245	1.274	1.224	1.312	6.03
82)		3,3'-Dichlorob...	0.401	0.402	0.404	0.391	0.396	0.387	0.389	0.396	1.64
83)		Chrysene	1.305	1.211	1.251	1.175	1.154	1.190	1.161	1.207	4.50
84)		Bis(2-ethylhex...	0.816	0.812	0.832	0.796	0.778	0.802	0.772	0.801	2.63
85)	c	Di-n-octyl pht...	1.167	1.187	1.219	1.184	1.185	1.206	1.169	1.188	1.58

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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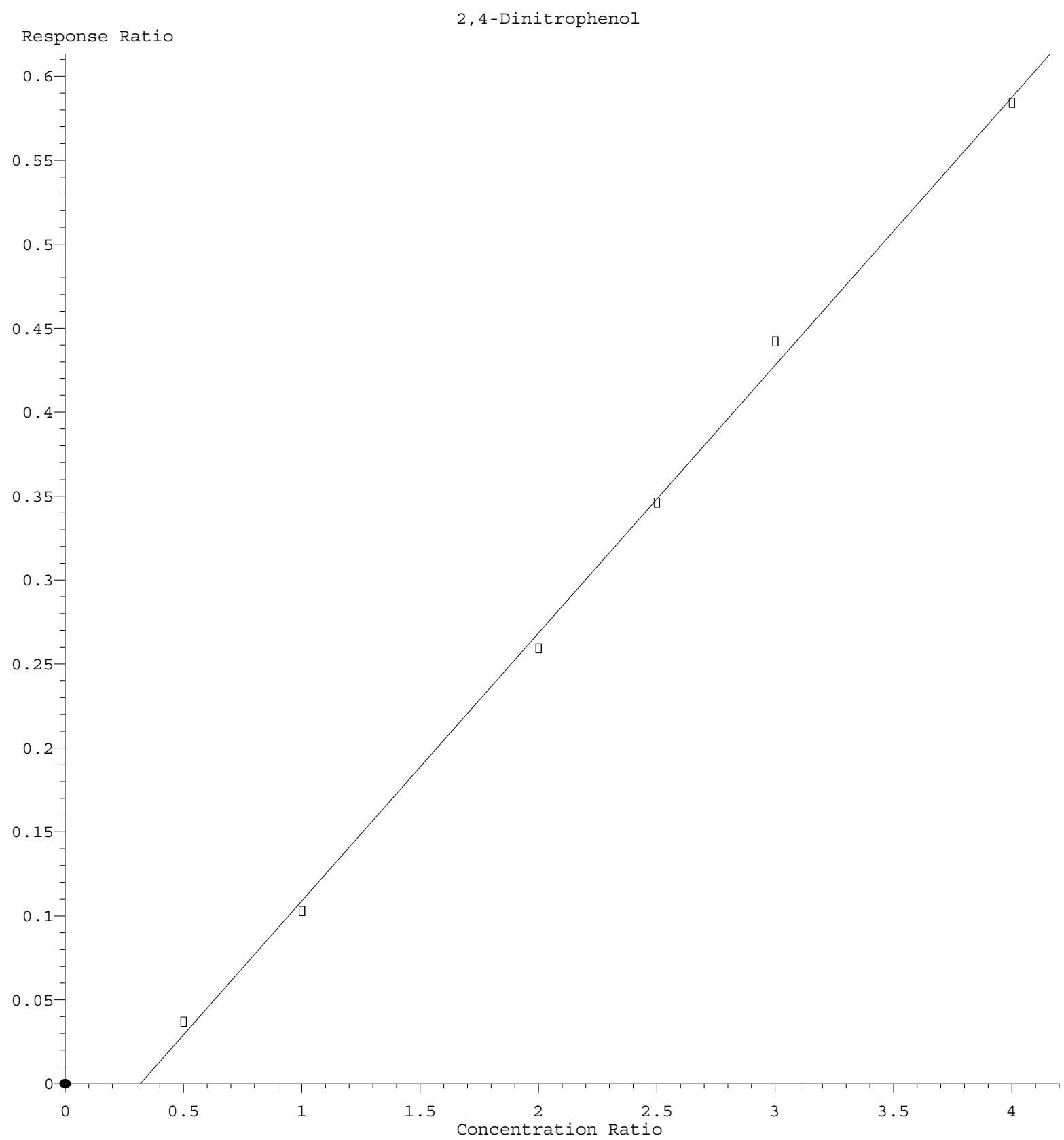
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.177	1.169	1.281	1.268	1.288	1.312	1.316	1.259	4.84
88)		Benzo(b)fluora...	1.275	1.321	1.220	1.281	1.149	1.316	1.269	1.262	4.75
89)		Benzo(k)fluora...	1.292	1.170	1.256	1.037	1.140	1.001	0.973	1.124	11.10
90)	C	Benzo(a)pyrene	1.048	1.021	1.044	1.002	1.003	1.015	0.985	1.017	2.25
91)		Dibenzo(a,h)an...	0.964	0.946	1.045	1.043	1.050	1.067	1.061	1.025	4.78
92)		Benzo(g,h,i)pe...	0.999	0.969	1.063	1.058	1.066	1.084	1.087	1.047	4.28

(#) = Out of Range



Response = 1.596e-001 * Amt - 5.055e-002
Coef of Det (r^2) = 0.998129 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110424.M
Calibration Table Last Updated: Mon Nov 04 17:12:57 2024