Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 05 16:47:56 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140231.D 5 =BF140232.D 10 =BF140233.D 20 =BF140234.D 40 =BF140235.D 50 =BF140236.D 60 =BF140237.D 80 =BF1402
38.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.613	0.582	0.576	0.550	0.526	0.527	0.511	0.555	6.64
3)		Pyridine		1.464	1.445	1.402	1.340	1.296	1.298	1.233	1.354	6.33
4)		n-Nitrosodimet...		0.799	0.792	0.802	0.780	0.767	0.786	0.746	0.782	2.52
5)	S	2-Fluorophenol		1.359	1.298	1.261	1.159	1.138	1.151	1.083	1.207	8.29
6)		Aniline		1.609	1.513	1.499	1.365	1.316	1.298	1.218	1.402	9.99
7)	S	Phenol-d6		1.765	1.679	1.604	1.495	1.462	1.468	1.392	1.552	8.66
8)		2-Chlorophenol		1.441	1.385	1.311	1.214	1.187	1.182	1.121	1.263	9.38
9)		Benzaldehyde		1.159	1.137	1.085	0.949	0.839	0.823	0.701	0.956	18.46
10)	C	Phenol		1.863	1.779	1.752	1.593	1.575	1.544	1.434	1.649	9.23
11)		bis(2-Chloroet...		1.417	1.354	1.285	1.209	1.201	1.201	1.100	1.252	8.57
12)		1,3-Dichlorobe...		1.690	1.605	1.555	1.413	1.387	1.388	1.322	1.480	9.22
13)	C	1,4-Dichlorobe...		1.720	1.636	1.551	1.423	1.393	1.401	1.322	1.492	9.78
14)		1,2-Dichlorobe...		1.622	1.553	1.494	1.309	1.291	1.286	1.201	1.394	11.49
15)		Benzyl Alcohol		1.282	1.280	1.258	1.182	1.147	1.154	1.075	1.197	6.59
16)		2,2'-oxybis(1-...		2.305	2.213	2.143	1.958	1.910	1.898	1.764	2.027	9.65
17)		2-Methylphenol		1.155	1.105	1.086	1.028	1.005	1.022	0.973	1.053	6.05
18)		Hexachloroethane		0.612	0.603	0.576	0.533	0.524	0.537	0.507	0.556	7.37
19)	P	n-Nitroso-di-n...	1.035	1.117	1.062	1.015	0.949	0.923	0.936	0.886	0.990	8.01
20)		3+4-Methylphenols		1.503	1.446	1.403	1.277	1.240	1.242	1.150	1.323	9.73
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.564	0.535	0.512	0.474	0.461	0.472	0.453	0.496	8.43
23)	S	Nitrobenzene-d5		0.435	0.420	0.415	0.392	0.387	0.391	0.377	0.402	5.21
24)		Nitrobenzene		0.452	0.442	0.436	0.414	0.407	0.407	0.396	0.422	5.04
25)		Isophorone		0.754	0.722	0.699	0.675	0.659	0.680	0.660	0.693	5.05
26)	C	2-Nitrophenol		0.160	0.167	0.170	0.171	0.167	0.173	0.168	0.168	2.47
27)		2,4-Dimethylph...		0.240	0.237	0.234	0.224	0.221	0.227	0.216	0.228	3.88
28)		bis(2-Chloroet...		0.459	0.441	0.428	0.400	0.390	0.399	0.383	0.415	6.93
29)	C	2,4-Dichloroph...		0.297	0.299	0.291	0.278	0.270	0.277	0.266	0.283	4.67
30)		1,2,4-Trichlor...		0.373	0.362	0.349	0.328	0.318	0.327	0.314	0.339	6.72
31)		Naphthalene		1.206	1.119	1.071	0.992	0.956	0.965	0.921	1.033	9.94
32)		Benzoic acid			0.136	0.161	0.193	0.207	0.211	0.216	0.187	17.07
33)		4-Chloroaniline		0.372	0.367	0.354	0.330	0.322	0.323	0.311	0.340	7.13
34)	C	Hexachlorobuta...		0.251	0.241	0.238	0.222	0.218	0.223	0.212	0.229	6.22
35)		Caprolactam		0.090	0.087	0.088	0.085	0.084	0.086	0.082	0.086	2.94
36)	C	4-Chloro-3-met...		0.337	0.326	0.319	0.312	0.303	0.307	0.298	0.315	4.33
37)		2-Methylnaphth...		0.772	0.743	0.702	0.644	0.626	0.627	0.605	0.674	9.64
38)		1-Methylnaphth...		0.765	0.720	0.691	0.634	0.612	0.619	0.583	0.661	10.00

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.619	0.600	0.562	0.559	0.562	0.538	0.586	7.15
41)	P	Hexachlorocycl...	0.124	0.145	0.169	0.183	0.177	0.181	0.169	0.164	13.27
42)	S	2,4,6-Tribromo...	0.199	0.200	0.197	0.194	0.197	0.202	0.195	0.198	1.40
43)	C	2,4,6-Trichlor...	0.377	0.369	0.363	0.361	0.354	0.356	0.359	0.363	2.16
44)		2,4,5-Trichlor...	0.391	0.398	0.396	0.373	0.374	0.383	0.355	0.381	4.02
45)	S	2-Fluorobiphenyl	1.481	1.381	1.312	1.183	1.148	1.166	1.097	1.253	11.27
46)		1,1'-Biphenyl	1.663	1.590	1.521	1.376	1.342	1.347	1.281	1.446	10.02
47)		2-Chloronaphth...	1.195	1.171	1.135	1.050	1.036	1.040	0.990	1.088	7.17
48)		2-Nitroaniline	0.357	0.372	0.371	0.369	0.363	0.364	0.352	0.364	1.99
49)		Acenaphthylene	1.730	1.668	1.618	1.486	1.465	1.452	1.364	1.540	8.62
50)		Dimethylphthalate	1.363	1.310	1.262	1.191	1.182	1.180	1.135	1.232	6.65
51)		2,6-Dinitrotol...	0.302	0.297	0.299	0.286	0.286	0.284	0.272	0.290	3.57
52)	C	Acenaphthene	1.204	1.153	1.134	1.059	1.055	1.041	1.003	1.093	6.60
53)		3-Nitroaniline	0.294	0.286	0.282	0.269	0.267	0.262	0.248	0.273	5.83
54)	P	2,4-Dinitrophenol		0.071	0.101	0.128	0.135	0.139	0.142	0.120	23.23
55)		Dibenzofuran	1.773	1.683	1.603	1.467	1.424	1.421	1.324	1.528	10.59
56)	P	4-Nitrophenol	0.160	0.178	0.196	0.203	0.206	0.201	0.197	0.192	8.78
57)		2,4-Dinitrotol...	0.384	0.385	0.388	0.374	0.373	0.374	0.352	0.376	3.23
58)		Fluorene	1.446	1.345	1.267	1.154	1.127	1.115	1.059	1.216	11.55
59)		2,3,4,6-Tetrac...	0.323	0.324	0.321	0.305	0.309	0.308	0.298	0.313	3.26
60)		Diethylphthalate	1.360	1.319	1.271	1.185	1.170	1.165	1.097	1.224	7.72
61)		4-Chlorophenyl...	0.715	0.673	0.638	0.581	0.573	0.569	0.542	0.613	10.33
62)		4-Nitroaniline	0.278	0.276	0.282	0.270	0.267	0.270	0.254	0.271	3.45
63)		Azobenzene	1.460	1.373	1.319	1.219	1.200	1.190	1.122	1.269	9.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.080	0.100	0.110	0.112	0.116	0.113	0.105	12.60
66)	c	n-Nitrosodiphe...	0.646	0.608	0.600	0.551	0.543	0.549	0.530	0.575	7.48
67)		4-Bromophenyl-...	0.230	0.219	0.223	0.209	0.208	0.212	0.207	0.215	4.15
68)		Hexachlorobenzene	0.261	0.255	0.251	0.237	0.235	0.242	0.237	0.245	4.26
69)		Atrazine	0.204	0.189	0.155	0.156	0.127	0.138	0.133	0.157	18.48
70)	C	Pentachlorophenol	0.105	0.121	0.133	0.138	0.139	0.144	0.142	0.132	10.59
71)		Phenanthrene	1.082	1.044	1.004	0.915	0.885	0.902	0.849	0.954	9.28
72)		Anthracene	1.071	1.014	0.984	0.894	0.881	0.876	0.832	0.936	9.34
73)		Carbazole	0.973	0.919	0.901	0.822	0.805	0.809	0.759	0.855	8.93
74)		Di-n-butylphth...	1.119	1.096	1.062	0.975	0.961	0.966	0.907	1.012	7.87
75)	C	Fluoranthene	1.157	1.101	1.044	0.950	0.928	0.935	0.870	0.998	10.48
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.507	0.466	0.380	0.490	0.365	0.249	0.281	0.391	25.96
78)		Pyrene	1.851	1.733	1.728	1.590	1.572	1.596	1.490	1.651	7.49
79)	S	Terphenyl-d14	1.383	1.309	1.258	1.159	1.164	1.180	1.093	1.221	8.25
80)		Butylbenzylpht...	0.580	0.596	0.613	0.597	0.601	0.612	0.564	0.595	2.95
81)		Benzo(a)anthra...	1.386	1.344	1.345	1.232	1.232	1.254	1.193	1.284	5.71
82)		3,3'-Dichlorob...	0.387	0.409	0.410	0.417	0.406	0.401	0.392	0.403	2.57
83)		Chrysene	1.320	1.264	1.206	1.154	1.177	1.180	1.113	1.202	5.81
84)		Bis(2-ethylhex...	0.868	0.858	0.858	0.819	0.825	0.830	0.775	0.833	3.82
85)	c	Di-n-octyl pht...	1.201	1.234	1.283	1.267	1.265	1.291	1.240	1.254	2.52

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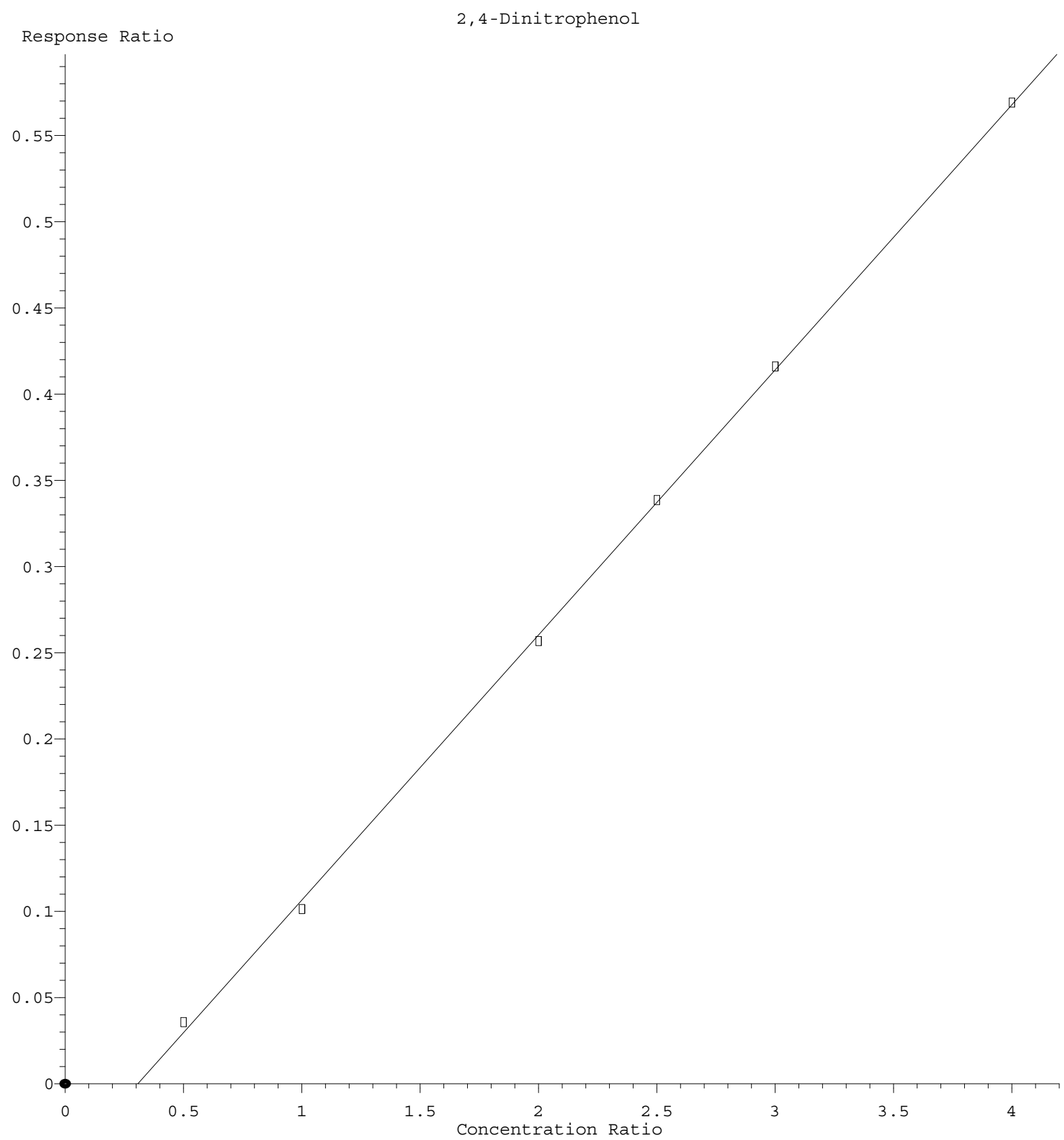
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.107	1.110	1.213	1.195	1.172	1.230	1.191	1.174	4.11
88)		Benzo(b)fluora...	1.300	1.184	1.214	1.245	1.125	1.286	1.115	1.210	6.05
89)		Benzo(k)fluora...	1.214	1.230	1.206	1.027	1.085	0.975	1.034	1.110	9.46
90)	C	Benzo(a)pyrene	1.023	0.999	1.022	0.993	0.975	1.006	0.964	0.997	2.23
91)		Dibenzo(a,h)an...	0.917	0.923	0.998	0.979	0.968	1.000	0.976	0.966	3.44
92)		Benzo(g,h,i)pe...	0.949	0.941	1.017	0.994	0.977	1.017	1.002	0.985	3.13

(#) = Out of Range



Response = 1.539e-001 * Amt - 4.717e-002
Coef of Det (r^2) = 0.999580 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110524.M
Calibration Table Last Updated: Tue Nov 05 16:47:56 2024