Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 29 15:46:29 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139215.D 5 =BF139216.D 10 =BF139217.D 20 =BF139218.D 40 =BF139219.D 50 =BF139220.D 60 =BF139221.D 80 =BF1392
22.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.579	0.544	0.561	0.545	0.519	0.544	0.528	0.546	3.63
3)		Pyridine		1.449	1.428	1.470	1.387	1.316	1.373	1.294	1.388	4.76
4)		n-Nitrosodimet...		0.744	0.733	0.784	0.757	0.733	0.765	0.735	0.750	2.61
5)	S	2-Fluorophenol		1.316	1.279	1.322	1.252	1.170	1.230	1.165	1.248	5.12
6)		Aniline		1.655	1.588	1.598	1.524	1.430	1.478	1.398	1.524	6.20
7)	S	Phenol-d6		1.774	1.722	1.734	1.645	1.560	1.626	1.524	1.655	5.62
8)		2-Chlorophenol		1.337	1.305	1.329	1.254	1.167	1.230	1.153	1.254	5.96
9)		Benzaldehyde			1.187	1.183	1.017	0.946	0.945		1.055	11.52
10)	C	Phenol		1.854	1.801	1.825	1.747	1.640	1.702	1.545	1.731	6.36
11)		bis(2-Chloroet...		1.356	1.300	1.358	1.274	1.193	1.258	1.196	1.276	5.30
12)		1,3-Dichlorobe...		1.621	1.528	1.558	1.483	1.400	1.440	1.358	1.484	6.21
13)	C	1,4-Dichlorobe...		1.619	1.566	1.592	1.486	1.403	1.459	1.371	1.499	6.37
14)		1,2-Dichlorobe...		1.573	1.461	1.485	1.396	1.302	1.345	1.264	1.404	7.81
15)		Benzyl Alcohol		1.357	1.304	1.362	1.312	1.221	1.270	1.196	1.289	4.94
16)		2,2'-oxybis(1-...		1.958	1.868	1.934	1.804	1.701	1.770	1.656	1.813	6.28
17)		2-Methylphenol		1.091	1.086	1.116	1.077	1.002	1.042	0.997	1.059	4.37
18)		Hexachloroethane		0.537	0.522	0.552	0.520	0.500	0.514	0.491	0.519	4.03
19)	P	n-Nitroso-di-n...	1.110	1.111	1.052	1.079	1.004	0.949	0.988	0.944	1.030	6.59
20)		3+4-Methylphenols		1.494	1.448	1.470	1.369	1.267	1.325	1.232	1.372	7.48
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.551	0.531	0.531	0.505	0.479	0.490	0.474	0.509	5.81
23)	S	Nitrobenzene-d5		0.408	0.405	0.436	0.424	0.409	0.421	0.409	0.416	2.74
24)		Nitrobenzene		0.432	0.430	0.451	0.441	0.425	0.439	0.428	0.435	2.06
25)		Isophorone		0.762	0.728	0.750	0.717	0.688	0.710	0.693	0.721	3.82
26)	C	2-Nitrophenol		0.122	0.137	0.161	0.168	0.163	0.172	0.167	0.156	12.11
27)		2,4-Dimethylph...		0.233	0.228	0.240	0.230	0.221	0.227	0.220	0.229	2.99
28)		bis(2-Chloroet...		0.449	0.432	0.437	0.415	0.399	0.411	0.396	0.420	4.80
29)	C	2,4-Dichloroph...		0.304	0.298	0.309	0.295	0.282	0.292	0.279	0.294	3.72
30)		1,2,4-Trichlor...		0.361	0.345	0.354	0.337	0.319	0.328	0.317	0.337	5.05
31)		Naphthalene		1.110	1.065	1.073	1.020	0.973	0.986	0.951	1.026	5.75
32)		Benzoic acid			0.150	0.194	0.211	0.213	0.225	0.225	0.203	13.86
33)		4-Chloroaniline		0.381	0.358	0.367	0.350	0.334	0.341	0.331	0.352	5.22
34)	C	Hexachlorobuta...		0.235	0.225	0.235	0.223	0.211	0.218	0.210	0.222	4.55
35)		Caprolactam		0.090	0.087	0.092	0.088	0.085	0.086	0.085	0.088	2.97
36)	C	4-Chloro-3-met...		0.331	0.325	0.339	0.325	0.315	0.316	0.308	0.323	3.24
37)		2-Methylnaphth...		0.698	0.668	0.680	0.646	0.610	0.622	0.599	0.646	5.77
38)		1-Methylnaphth...		0.698	0.672	0.665	0.629	0.600	0.613	0.583	0.637	6.63

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.653	0.595	0.615	0.599	0.565	0.580	0.553	0.594	5.62
41)	P	Hexachlorocycl...	0.183	0.188	0.211	0.225	0.218	0.221	0.212	0.208	7.85
42)	S	2,4,6-Tribromo...	0.199	0.193	0.208	0.206	0.196	0.204	0.199	0.201	2.68
43)	C	2,4,6-Trichlor...	0.373	0.365	0.400	0.387	0.362	0.390	0.370	0.378	3.77
44)		2,4,5-Trichlor...	0.422	0.415	0.419	0.419	0.396	0.387	0.390	0.407	3.70
45)	S	2-Fluorobiphenyl	1.443	1.341	1.358	1.282	1.190	1.205	1.174	1.284	7.86
46)		1,1'-Biphenyl	1.543	1.470	1.505	1.448	1.355	1.383	1.330	1.433	5.55
47)		2-Chloronaphth...	1.219	1.161	1.197	1.147	1.081	1.093	1.067	1.138	5.20
48)		2-Nitroaniline	0.298	0.323	0.361	0.377	0.360	0.368	0.366	0.350	8.15
49)		Acenaphthylene	1.717	1.658	1.689	1.636	1.544	1.561	1.517	1.617	4.77
50)		Dimethylphthalate	1.357	1.265	1.314	1.260	1.179	1.216	1.176	1.252	5.41
51)		2,6-Dinitrotol...	0.239	0.252	0.281	0.287	0.274	0.285	0.277	0.271	6.76
52)	C	Acenaphthene	1.133	1.071	1.111	1.096	1.042	1.070	1.037	1.080	3.27
53)		3-Nitroaniline	0.245	0.255	0.277	0.279	0.265	0.276	0.270	0.267	4.71
54)	P	2,4-Dinitrophenol		0.069	0.101	0.124	0.131	0.142	0.145	0.119	24.62
55)		Dibenzofuran	1.703	1.597	1.661	1.550	1.468	1.487	1.423	1.555	6.68
56)	P	4-Nitrophenol	0.178	0.188	0.212	0.219	0.207	0.215	0.208	0.204	7.46
57)		2,4-Dinitrotol...	0.272	0.312	0.360	0.364	0.355	0.366	0.358	0.341	10.42
58)		Fluorene	1.381	1.280	1.298	1.218	1.152	1.167	1.119	1.231	7.59
59)		2,3,4,6-Tetrac...	0.312	0.327	0.338	0.341	0.312	0.317	0.311	0.323	3.93
60)		Diethylphthalate	1.290	1.206	1.259	1.205	1.134	1.163	1.122	1.197	5.22
61)		4-Chlorophenyl...	0.684	0.640	0.642	0.617	0.582	0.590	0.568	0.618	6.58
62)		4-Nitroaniline	0.242	0.252	0.281	0.275	0.260	0.266	0.256	0.262	5.19
63)		Azobenzene	1.395	1.357	1.376	1.341	1.246	1.278	1.242	1.319	4.78
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.066	0.087	0.105	0.106	0.115	0.114	0.099	18.95
66)	c	n-Nitrosodiphe...	0.628	0.610	0.610	0.599	0.567	0.580	0.565	0.594	4.04
67)		4-Bromophenyl-...	0.222	0.221	0.223	0.223	0.207	0.214	0.212	0.217	2.92
68)		Hexachlorobenzene	0.244	0.239	0.250	0.241	0.227	0.233	0.230	0.238	3.46
69)		Atrazine	0.178	0.174	0.163	0.142	0.117	0.112		0.148	19.42
70)	C	Pentachlorophenol	0.129	0.140	0.155	0.162	0.154	0.158	0.155	0.150	7.79
71)		Phenanthrene	1.093	1.056	1.047	1.001	0.953	0.965	0.927	1.006	6.10
72)		Anthracene	1.053	1.021	1.032	0.987	0.929	0.944	0.908	0.982	5.69
73)		Carbazole	0.937	0.907	0.915	0.873	0.824	0.827	0.781	0.866	6.64
74)		Di-n-butylphth...	0.985	0.957	0.989	0.925	0.876	0.903	0.849	0.926	5.80
75)	C	Fluoranthene	1.121	1.086	1.068	0.982	0.910	0.920	0.846	0.990	10.45
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.301	0.409	0.458	0.402	0.412	0.390	0.395	13.01
78)		Pyrene	1.936	1.848	1.995	2.038	1.907	1.936	1.793	1.922	4.33
79)	S	Terphenyl-d14	1.410	1.362	1.460	1.461	1.358	1.378	1.282	1.387	4.54
80)		Butylbenzylpht...	0.399	0.416	0.463	0.474	0.451	0.470	0.463	0.448	6.44
81)		Benzo(a)anthra...	1.384	1.322	1.351	1.359	1.227	1.262	1.265	1.310	4.50
82)		3,3'-Dichlorob...	0.302	0.321	0.340	0.356	0.346	0.361	0.382	0.344	7.71
83)		Chrysene	1.294	1.241	1.278	1.181	1.181	1.209	1.152	1.219	4.38
84)		Bis(2-ethylhex...	0.426	0.409	0.466	0.506	0.495	0.525	0.545	0.482	10.44
85)	c	Di-n-octyl pht...	0.743	0.707	0.827	0.975	0.989	1.034	1.106	0.911	16.79

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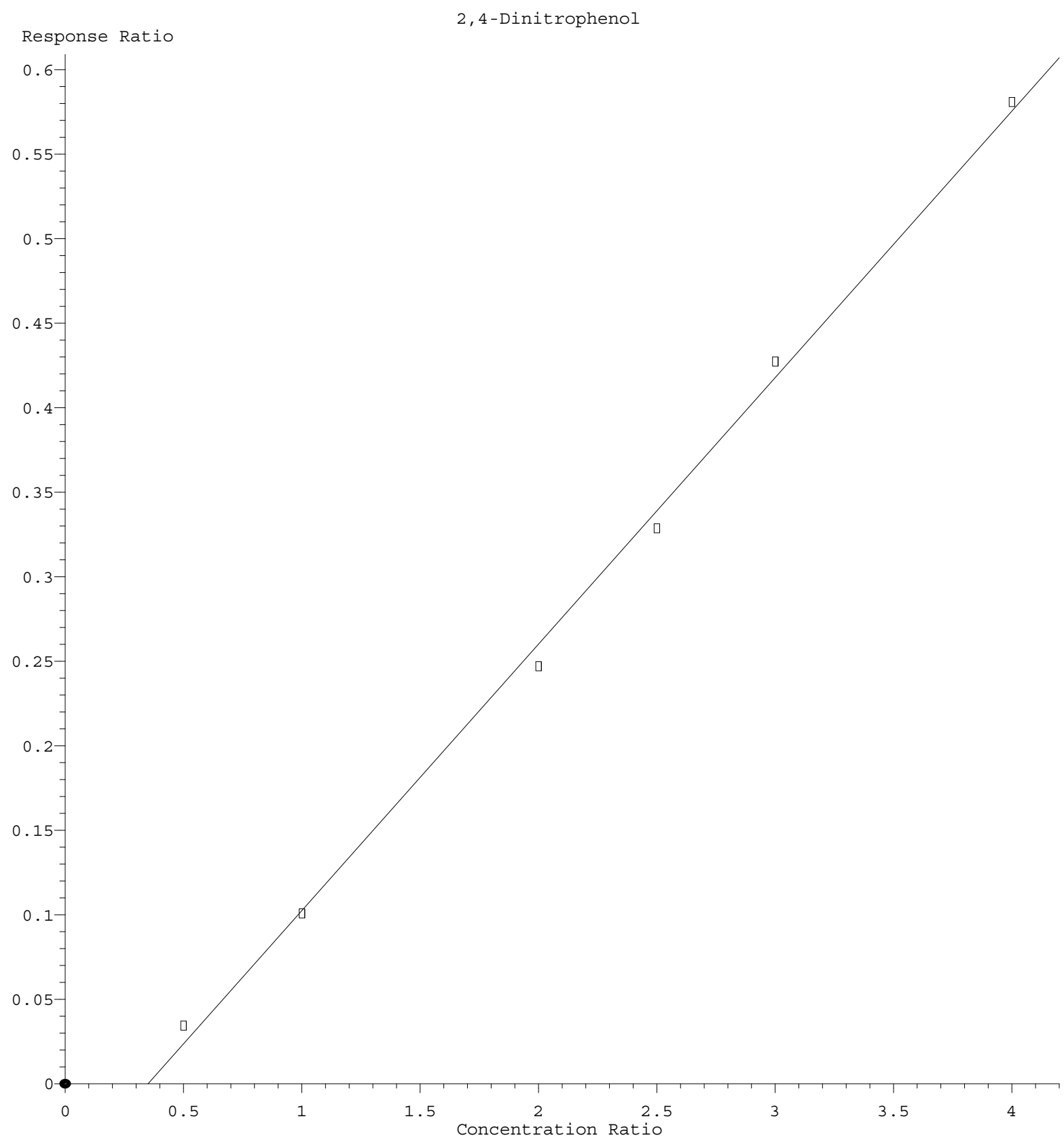
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.342	1.360	1.452	1.480	1.408	1.447	1.382	1.410	3.66
88)		Benzo(b)fluora...	1.326	1.212	1.183	1.207	1.179	1.202	1.076	1.198	6.11
89)		Benzo(k)fluora...	1.127	1.121	1.130	1.020	0.918	0.966	1.029	1.045	8.10
90)	C	Benzo(a)pyrene	1.046	0.997	1.029	1.027	0.977	1.016	0.980	1.010	2.60
91)		Dibenzo(a,h)an...	1.134	1.144	1.221	1.232	1.158	1.195	1.130	1.173	3.58
92)		Benzo(g,h,i)pe...	1.123	1.143	1.225	1.246	1.176	1.213	1.153	1.183	3.91

(#) = Out of Range



Response = 1.577e-001 * Amt - 5.527e-002
Coef of Det (r^2) = 0.997517 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF082924.M
Calibration Table Last Updated: Thu Aug 29 15:46:29 2024