Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF042324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 24 03:57:12 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF137698.D 5 =BF137699.D 10 =BF137700.D 20 =BF137701.D 40 =BF137702.D 50 =BF137703.D 60 =BF137704.D 80 =BF1377
05.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.592	0.604	0.627	0.567	0.583	0.592	0.561	0.590	3.77
3)		Pyridine		1.578	1.606	1.650	1.525	1.550	1.570	1.513	1.571	3.01
4)		n-Nitrosodimet...		0.746	0.749	0.768	0.707	0.727	0.733	0.701	0.733	3.24
5)	S	2-Fluorophenol		1.440	1.412	1.426	1.250	1.257	1.255	1.177	1.317	8.05
6)		Aniline		2.127	2.152	2.195	2.002	2.046	2.056	1.989	2.081	3.76
7)	S	Phenol-d6		1.792	1.798	1.824	1.606	1.614	1.588	1.482	1.672	7.87
8)		2-Chlorophenol		1.439	1.474	1.514	1.319	1.321	1.331	1.224	1.374	7.51
9)		Benzaldehyde		1.088	1.072	1.032	0.832	0.815	0.789		0.938	14.90
10)	C	Phenol		1.759	1.769	1.813	1.603	1.620	1.608	1.520	1.670	6.53
11)		bis(2-Chloroet...		1.457	1.437	1.459	1.315	1.311	1.315	1.242	1.362	6.40
12)		1,3-Dichlorobe...		1.547	1.540	1.551	1.383	1.390	1.380	1.298	1.441	7.12
13)	C	1,4-Dichlorobe...		1.565	1.559	1.573	1.389	1.399	1.381	1.292	1.451	7.78
14)		1,2-Dichlorobe...		1.477	1.462	1.489	1.294	1.301	1.261	1.171	1.351	9.22
15)		Benzyl Alcohol		1.280	1.280	1.319	1.220	1.250	1.247	1.159	1.251	4.10
16)		2,2'-oxybis(1-...		2.188	2.189	2.247	2.031	2.047	2.053	1.911	2.095	5.60
17)		2-Methylphenol		1.273	1.272	1.298	1.177	1.190	1.204	1.134	1.221	4.95
18)		Hexachloroethane		0.521	0.539	0.556	0.495	0.505	0.505	0.475	0.514	5.29
19)	P	n-Nitroso-di-n...	1.141	1.149	1.146	1.164	1.021	1.032	1.031	0.965	1.081	7.10
20)		3+4-Methylphenols		1.675	1.686	1.736	1.540	1.525	1.502	1.375	1.577	8.07
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.539	0.526	0.531	0.462	0.467	0.465	0.433	0.489	8.58
23)	S	Nitrobenzene-d5		0.382	0.387	0.405	0.360	0.372	0.377	0.354	0.377	4.47
24)		Nitrobenzene		0.380	0.392	0.408	0.366	0.376	0.384	0.359	0.381	4.34
25)		Isophorone		0.720	0.716	0.738	0.659	0.691	0.703	0.671	0.700	4.04
26)	C	2-Nitrophenol		0.136	0.153	0.176	0.166	0.178	0.185	0.176	0.167	10.23
27)		2,4-Dimethylph...		0.370	0.353	0.354	0.313	0.327	0.330	0.312	0.337	6.62
28)		bis(2-Chloroet...		0.447	0.451	0.461	0.404	0.415	0.420	0.395	0.427	5.95
29)	C	2,4-Dichloroph...		0.299	0.302	0.316	0.281	0.292	0.297	0.280	0.295	4.30
30)		1,2,4-Trichlor...		0.315	0.316	0.323	0.285	0.294	0.296	0.278	0.301	5.64
31)		Naphthalene		1.126	1.109	1.128	0.964	0.980	0.957	0.880	1.021	9.71
32)		Benzoic acid			0.162	0.206	0.210	0.230	0.239	0.234	0.213	13.31
33)		4-Chloroaniline		0.459	0.460	0.471	0.409	0.417	0.420	0.387	0.432	7.23
34)	C	Hexachlorobuta...		0.184	0.191	0.195	0.173	0.177	0.177	0.166	0.180	5.58
35)		Caprolactam		0.096	0.096	0.099	0.091	0.094	0.097	0.095	0.095	2.56
36)	C	4-Chloro-3-met...		0.319	0.326	0.335	0.299	0.306	0.310	0.298	0.313	4.40
37)		2-Methylnaphth...		0.773	0.765	0.775	0.656	0.671	0.661	0.604	0.700	9.86
38)		1-Methylnaphth...		0.723	0.720	0.727	0.612	0.622	0.615	0.563	0.655	10.23

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.578	0.588	0.591	0.520	0.529	0.535	0.498	0.548	6.73
41)	P	Hexachlorocycl...	0.262	0.286	0.318	0.304	0.323	0.336	0.320	0.307	8.25
42)	S	2,4,6-Tribromo...	0.213	0.214	0.221	0.187	0.193	0.197	0.187	0.202	6.92
43)	C	2,4,6-Trichlor...	0.389	0.395	0.411	0.373	0.379	0.387	0.358	0.385	4.39
44)		2,4,5-Trichlor...	0.444	0.453	0.480	0.417	0.430	0.442	0.419	0.441	4.93
45)	S	2-Fluorobiphenyl	1.527	1.512	1.483	1.190	1.169	1.150		1.339	13.90
46)		1,1'-Biphenyl	1.605	1.600	1.612	1.377	1.380	1.356	1.253	1.455	10.12
47)		2-Chloronaphth...	1.191	1.201	1.227	1.058	1.078	1.085	1.011	1.122	7.44
48)		2-Nitroaniline	0.292	0.324	0.364	0.337	0.356	0.367	0.352	0.342	7.82
49)		Acenaphthylene	1.892	1.888	1.931	1.655	1.667	1.665	1.545	1.749	8.65
50)		Dimethylphthalate	1.518	1.483	1.512	1.292	1.326	1.344	1.280	1.393	7.64
51)		2,6-Dinitrotol...	0.269	0.293	0.314	0.286	0.299	0.307	0.287	0.294	5.13
52)	C	Acenaphthene	1.233	1.210	1.247	1.059	1.083	1.087	1.009	1.133	8.41
53)		3-Nitroaniline	0.312	0.326	0.349	0.324	0.333	0.341	0.325	0.330	3.77
54)	P	2,4-Dinitrophenol		0.094	0.124	0.130	0.147	0.159	0.156	0.135	18.00
55)		Dibenzofuran	1.836	1.834	1.831	1.553	1.566	1.568	1.431	1.660	10.18
56)	P	4-Nitrophenol	0.235	0.253	0.275	0.254	0.258	0.265	0.256	0.257	4.78
57)		2,4-Dinitrotol...	0.304	0.353	0.403	0.365	0.388	0.398	0.379	0.370	9.22
58)		Fluorene	1.473	1.434	1.452	1.202	1.214	1.197	1.109	1.297	11.55
59)		2,3,4,6-Tetrac...	0.359	0.361	0.374	0.323	0.329	0.331	0.311	0.341	6.82
60)		Diethylphthalate	1.474	1.467	1.486	1.245	1.258	1.267	1.184	1.340	9.69
61)		4-Chlorophenyl...	0.703	0.702	0.713	0.593	0.608	0.603	0.564	0.641	9.81
62)		4-Nitroaniline	0.284	0.309	0.345	0.308	0.317	0.328	0.309	0.314	6.00
63)		Azobenzene	1.494	1.495	1.514	1.303	1.299	1.303	1.207	1.373	9.03
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.086	0.111	0.112	0.123	0.129	0.127	0.115	13.80
66)	c	n-Nitrosodiphe...	0.718	0.722	0.739	0.638	0.657	0.661	0.607	0.677	7.26
67)		4-Bromophenyl-...	0.240	0.241	0.248	0.217	0.229	0.232	0.216	0.232	5.20
68)		Hexachlorobenzene	0.238	0.233	0.240	0.212	0.221	0.226	0.211	0.226	5.28
69)		Atrazine	0.221	0.211	0.214	0.177	0.169	0.169	0.149	0.187	14.95
70)	C	Pentachlorophenol	0.167	0.173	0.185	0.164	0.169	0.172	0.158	0.170	4.95
71)		Phenanthrene	1.188	1.163	1.168	0.987	1.000	1.003	0.900	1.059	10.66
72)		Anthracene	1.208	1.193	1.199	1.014	1.026	1.025	0.924	1.084	10.49
73)		Carbazole	1.090	1.061	1.077	0.926	0.937	0.935	0.851	0.982	9.42
74)		Di-n-butylphth...	1.321	1.310	1.366	1.113	1.130	1.122	1.022	1.198	11.03
75)	C	Fluoranthene	1.243	1.234	1.239	1.040	1.054	1.048	0.931	1.113	11.21
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.563	0.623	0.467	0.438	0.365	0.370	0.444	0.467	20.46
78)		Pyrene	1.649	1.684	1.724	1.536	1.589	1.667	1.642	1.642	3.79
79)	S	Terphenyl-d14	1.347	1.337	1.342	1.130	1.155	1.207	1.179	1.243	7.72
80)		Butylbenzylpht...	0.497	0.535	0.611	0.562	0.604	0.646	0.621	0.582	9.11
81)		Benzo(a)anthra...	1.454	1.458	1.483	1.326	1.348	1.392	1.303	1.395	5.13
82)		3,3'-Dichlorob...	0.459	0.467	0.483	0.411	0.416	0.413	0.371	0.432	9.17
83)		Chrysene	1.373	1.369	1.410	1.231	1.258	1.279	1.203	1.303	6.14
84)		Bis(2-ethylhex...	0.790	0.837	0.961	0.853	0.906	0.930	0.877	0.879	6.62
85)	c	Di-n-octyl pht...	1.237	1.223	1.449	1.321	1.341	1.364	1.310	1.321	5.83

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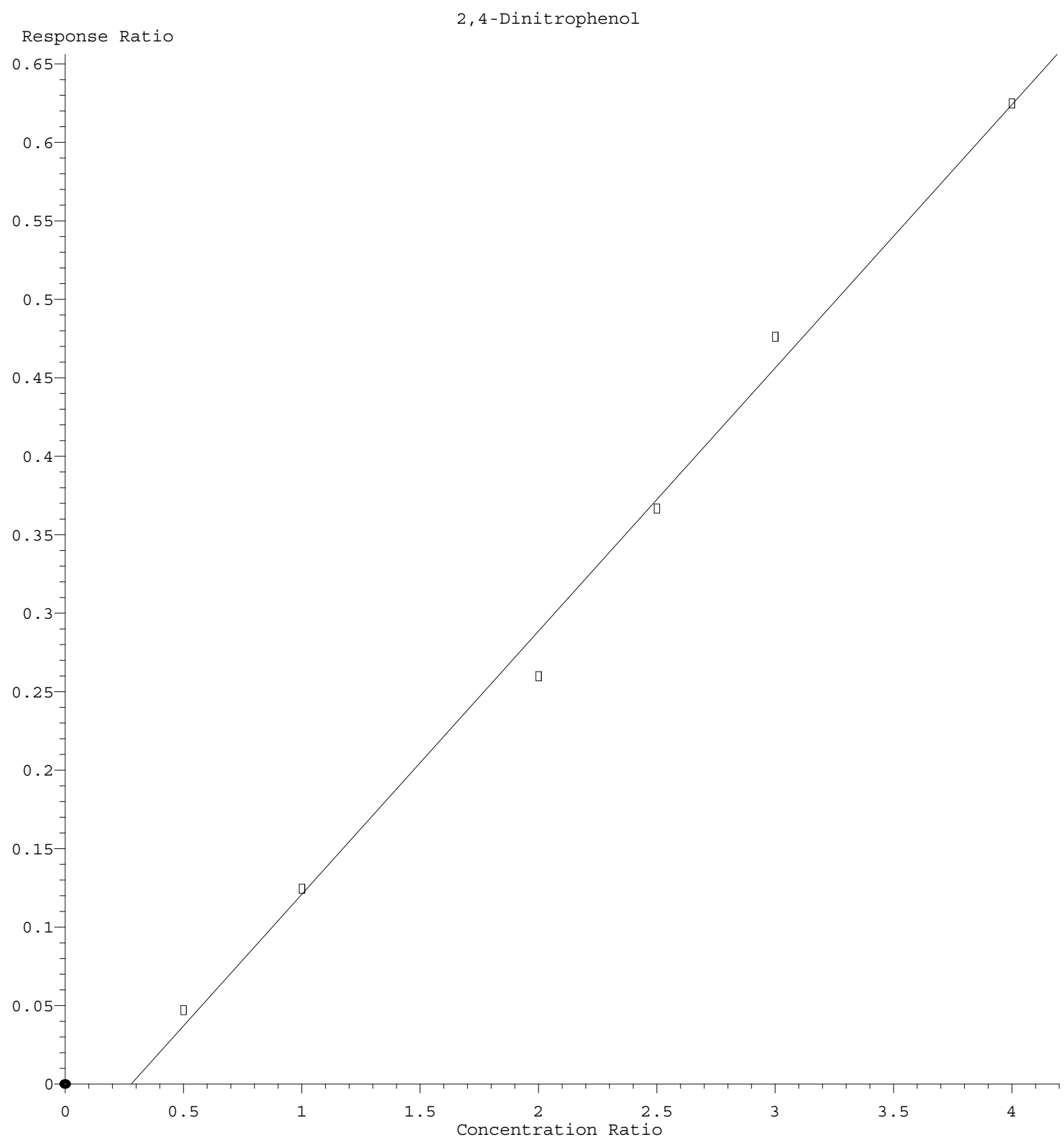
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.059	1.018	1.037	1.012	1.117	1.199	1.320	1.109	10.28
88)		Benzo(b)fluora...	1.224	1.304	1.385	1.271	1.284	1.262	1.229	1.280	4.25
89)		Benzo(k)fluora...	1.268	1.267	1.402	1.220	1.260	1.274	1.116	1.258	6.72
90)	C	Benzo(a)pyrene	1.120	1.143	1.222	1.124	1.155	1.163	1.109	1.148	3.31
91)		Dibenzo(a,h)an...	0.882	0.850	0.871	0.842	0.924	0.994	1.077	0.920	9.41
92)		Benzo(g,h,i)pe...	0.833	0.792	0.810	0.815	0.913	0.992	1.109	0.895	13.19

(#) = Out of Range



Response = 1.677e-001 * Amt - 4.687e-002
Coef of Det (r^2) = 0.994197 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF042324.M
Calibration Table Last Updated: Wed Apr 24 03:57:12 2024