Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF070924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 09 16:58:40 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF138482.D 5 =BF138483.D 10 =BF138484.D 20 =BF138485.D 40 =BF138486.D 50 =BF138487.D 60 =BF138488.D 80 =BF1384
89.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.566	0.563	0.582	0.571	0.549	0.551	0.533	0.559	2.89
3)		Pyridine		1.375	1.370	1.480	1.389	1.347	1.363	1.331	1.379	3.50
4)		n-Nitrosodimet...		0.886	0.873	0.934	0.921	0.878	0.911	0.883	0.898	2.62
5)	S	2-Fluorophenol		1.362	1.335	1.352	1.265	1.191	1.196	1.138	1.263	7.10
6)		Aniline		1.678	1.615	1.712	1.595	1.476	1.497	1.442	1.573	6.61
7)	S	Phenol-d6		1.825	1.753	1.808	1.671	1.588	1.588	1.527	1.680	7.01
8)		2-Chlorophenol		1.440	1.367	1.456	1.337	1.285	1.269	1.193	1.335	7.07
9)		Benzaldehyde		0.919	0.990	1.043	0.879	0.805	0.759		0.899	12.00
10)	C	Phenol		1.947	1.887	1.901	1.770	1.673	1.681	1.623	1.783	7.23
11)		bis(2-Chloroet...		1.415	1.360	1.406	1.350	1.297	1.320	1.251	1.343	4.37
12)		1,3-Dichlorobe...		1.613	1.577	1.610	1.500	1.428	1.425	1.355	1.501	6.81
13)	C	1,4-Dichlorobe...		1.663	1.580	1.631	1.536	1.446	1.439	1.375	1.524	7.08
14)		1,2-Dichlorobe...		1.565	1.518	1.521	1.419	1.334	1.327	1.253	1.420	8.38
15)		Benzyl Alcohol		1.313	1.289	1.365	1.272	1.219	1.218	1.150	1.261	5.64
16)		2,2'-oxybis(1-...		2.833	2.775	2.810	2.665	2.526	2.514	2.357	2.640	6.80
17)		2-Methylphenol		1.157	1.118	1.171	1.099	1.046	1.061	1.009	1.094	5.40
18)		Hexachloroethane		0.573	0.571	0.600	0.566	0.545	0.539	0.529	0.560	4.35
19)	P	n-Nitroso-di-n...	1.131	1.137	1.068	1.089	1.022	0.962	0.971	0.925	1.038	7.76
20)		3+4-Methylphenols		1.555	1.486	1.488	1.362	1.277	1.278	1.201	1.378	9.68
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.548	0.523	0.509	0.469	0.452	0.462	0.438	0.486	8.48
23)	S	Nitrobenzene-d5		0.432	0.416	0.425	0.406	0.393	0.399	0.379	0.407	4.56
24)		Nitrobenzene		0.433	0.421	0.432	0.415	0.403	0.403	0.391	0.414	3.78
25)		Isophorone		0.742	0.720	0.733	0.686	0.666	0.688	0.662	0.700	4.60
26)	C	2-Nitrophenol		0.170	0.168	0.187	0.180	0.178	0.184	0.176	0.177	3.96
27)		2,4-Dimethylph...		0.229	0.223	0.226	0.217	0.208	0.216	0.207	0.218	4.00
28)		bis(2-Chloroet...		0.458	0.425	0.438	0.413	0.398	0.405	0.389	0.418	5.75
29)	C	2,4-Dichloroph...		0.292	0.288	0.302	0.283	0.275	0.278	0.265	0.283	4.25
30)		1,2,4-Trichlor...		0.361	0.343	0.347	0.326	0.314	0.315	0.302	0.330	6.49
31)		Naphthalene		1.162	1.093	1.101	1.022	0.974	0.987	0.943	1.040	7.70
32)		Benzoic acid		0.169	0.186	0.201	0.219	0.225	0.232	0.224	0.208	11.28
33)		4-Chloroaniline		0.388	0.369	0.382	0.356	0.352	0.364	0.344	0.365	4.33
34)	C	Hexachlorobuta...		0.221	0.210	0.214	0.200	0.195	0.194	0.187	0.203	6.04
35)		Caprolactam		0.093	0.093	0.095	0.091	0.088	0.091	0.088	0.091	2.79
36)	C	4-Chloro-3-met...		0.340	0.327	0.334	0.312	0.303	0.308	0.295	0.317	5.33
37)		2-Methylnaphth...		0.757	0.709	0.710	0.646	0.626	0.635	0.603	0.669	8.40
38)		1-Methylnaphth...		0.736	0.692	0.688	0.644	0.613	0.616	0.583	0.653	8.26

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.603	0.584	0.580	0.550	0.531	0.533	0.520	0.557	5.73
41)	P	Hexachlorocycl...		0.142	0.174	0.189	0.189	0.196	0.195	0.181	11.40
42)	S	2,4,6-Tribromo...	0.202	0.199	0.194	0.185	0.178	0.179	0.172	0.187	6.15
43)	C	2,4,6-Trichlor...	0.376	0.358	0.365	0.353	0.347	0.351	0.339	0.356	3.45
44)		2,4,5-Trichlor...	0.409	0.391	0.409	0.395	0.382	0.380	0.371	0.391	3.68
45)	S	2-Fluorobiphenyl	1.504	1.403	1.347	1.224	1.184	1.172	1.124	1.280	10.97
46)		1,1'-Biphenyl	1.691	1.598	1.602	1.476	1.433	1.430	1.379	1.516	7.59
47)		2-Chloronaphth...	1.264	1.200	1.178	1.127	1.092	1.092	1.063	1.145	6.26
48)		2-Nitroaniline	0.403	0.393	0.406	0.403	0.391	0.396	0.385	0.397	1.94
49)		Acenaphthylene	1.803	1.733	1.686	1.593	1.550	1.539	1.476	1.626	7.25
50)		Dimethylphthalate	1.391	1.360	1.336	1.275	1.238	1.241	1.211	1.293	5.34
51)		2,6-Dinitrotol...	0.306	0.300	0.309	0.302	0.288	0.296	0.283	0.298	3.13
52)	C	Acenaphthene	1.215	1.146	1.121	1.048	1.026	1.018	0.991	1.081	7.56
53)		3-Nitroaniline	0.316	0.309	0.311	0.308	0.300	0.302	0.291	0.305	2.75
54)	P	2,4-Dinitrophenol		0.105	0.126	0.147	0.152	0.159	0.160	0.141	15.45
55)		Dibenzofuran	1.781	1.676	1.639	1.527	1.495	1.464	1.389	1.567	8.71
56)	P	4-Nitrophenol	0.215	0.221	0.228	0.231	0.228	0.233	0.220	0.225	2.92
57)		2,4-Dinitrotol...	0.385	0.385	0.410	0.388	0.382	0.384	0.363	0.385	3.56
58)		Fluorene	1.424	1.325	1.319	1.200	1.165	1.148	1.101	1.240	9.43
59)		2,3,4,6-Tetrac...	0.303	0.311	0.329	0.311	0.305	0.305	0.296	0.309	3.37
60)		Diethylphthalate	1.360	1.321	1.301	1.227	1.189	1.191	1.138	1.247	6.54
61)		4-Chlorophenyl...	0.721	0.673	0.662	0.600	0.578	0.573	0.553	0.623	10.07
62)		4-Nitroaniline	0.309	0.310	0.314	0.305	0.305	0.307	0.290	0.306	2.51
63)		Azobenzene	1.478	1.407	1.410	1.312	1.281	1.276	1.220	1.340	6.90
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.090	0.099	0.118	0.122	0.124	0.129	0.127	0.115	13.03
66)	c	n-Nitrosodiphe...	0.642	0.629	0.629	0.593	0.577	0.569	0.556	0.599	5.67
67)		4-Bromophenyl-...	0.220	0.213	0.218	0.203	0.197	0.198	0.190	0.206	5.70
68)		Hexachlorobenzene	0.251	0.239	0.239	0.223	0.218	0.217	0.212	0.228	6.44
69)		Atrazine	0.219	0.207	0.212	0.197	0.191	0.187	0.178	0.199	7.41
70)	C	Pentachlorophenol	0.116	0.124	0.142	0.138	0.143	0.144	0.140	0.135	8.07
71)		Phenanthrene	1.136	1.090	1.058	0.985	0.954	0.947	0.904	1.010	8.44
72)		Anthracene	1.103	1.072	1.071	0.980	0.952	0.933	0.910	1.003	7.76
73)		Carbazole	0.995	0.983	0.968	0.880	0.854	0.845	0.785	0.901	8.96
74)		Di-n-butylphth...	1.138	1.092	1.109	1.020	1.000	0.991	0.923	1.039	7.35
75)	C	Fluoranthene	1.203	1.149	1.114	0.996	0.961	0.941	0.853	1.031	12.27
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.452	0.523	0.625	0.510	0.498	0.420		0.505	14.00
78)		Pyrene	1.980	1.956	2.061	2.100	2.024	2.101	1.989	2.030	2.89
79)	S	Terphenyl-d14	1.251	1.204	1.281	1.252	1.199	1.233	1.175	1.228	3.02
80)		Butylbenzylpht...	0.588	0.567	0.626	0.634	0.613	0.642	0.605	0.611	4.34
81)		Benzo(a)anthra...	1.457	1.364	1.404	1.337	1.266	1.299	1.266	1.342	5.35
82)		3,3'-Dichlorob...	0.378	0.346	0.362	0.347	0.328	0.333	0.326	0.346	5.51
83)		Chrysene	1.386	1.301	1.324	1.254	1.196	1.231	1.196	1.270	5.57
84)		Bis(2-ethylhex...	0.576	0.574	0.644	0.684	0.674	0.695	0.712	0.651	8.62
85)	c	Di-n-octyl pht...		0.824	0.919	1.036	1.051	1.122	1.223	1.029	13.81

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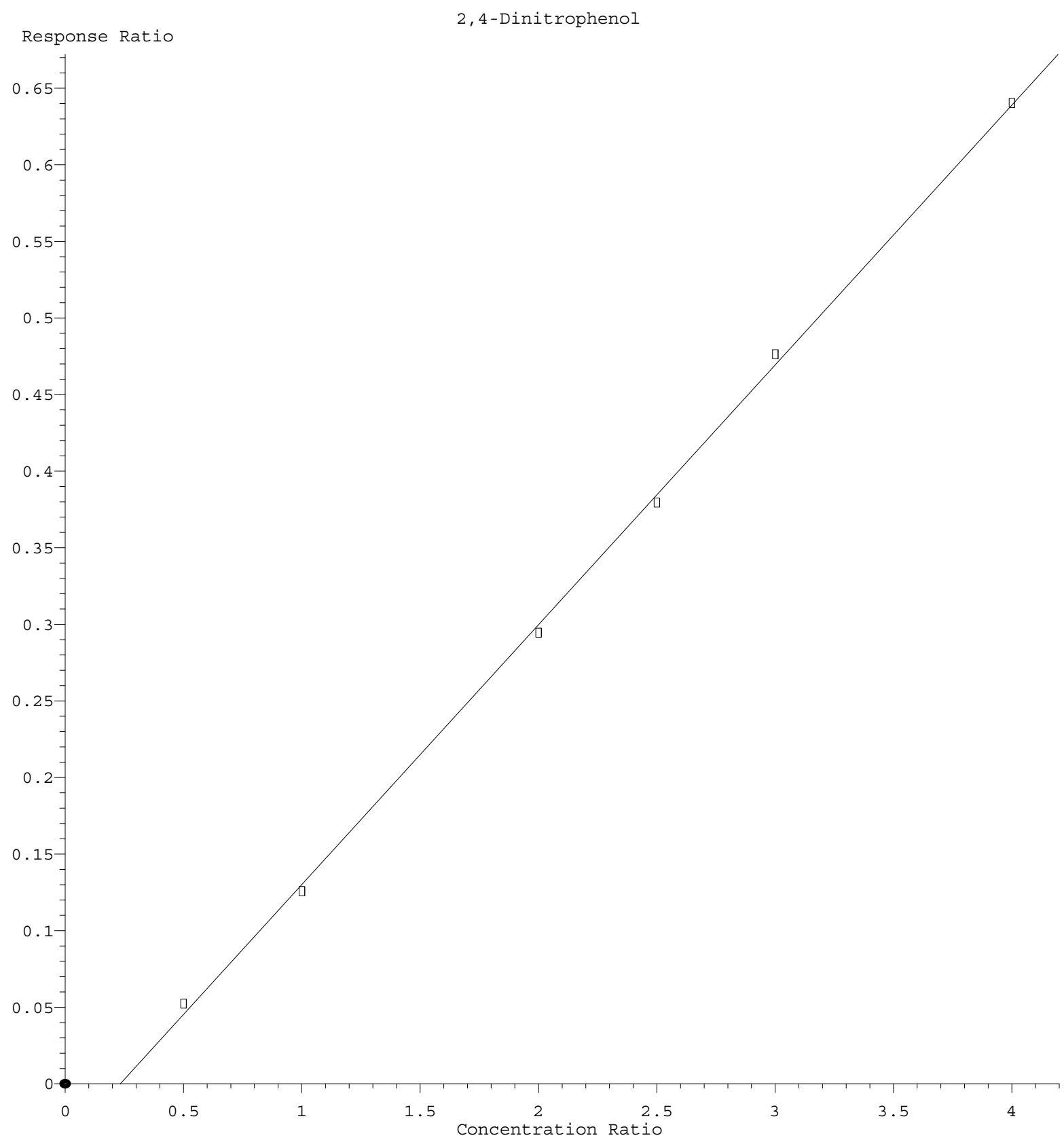
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.091	1.212	1.442	1.471	1.401	1.402	1.384	1.343	10.33
88)		Benzo(b)fluora...	1.306	1.224	1.197	1.073	1.032	1.021	1.032	1.126	10.17
89)		Benzo(k)fluora...	1.269	1.215	1.193	1.056	0.993	1.002	0.961	1.099	11.33
90)	C	Benzo(a)pyrene	1.068	1.003	1.034	0.976	0.951	0.952	0.942	0.989	4.80
91)		Dibenzo(a,h)an...	0.906	0.999	1.180	1.213	1.143	1.132	1.120	1.099	9.86
92)		Benzo(g,h,i)pe...	0.946	1.049	1.262	1.270	1.210	1.213	1.207	1.165	10.40

(#) = Out of Range



Response = 1.697e-001 * Amt - 3.961e-002
Coef of Det (r^2) = 0.999288 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF070924.M
Calibration Table Last Updated: Tue Jul 09 16:58:40 2024