Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF090424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 04 16:11:43 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139234.D 5 =BF139235.D 10 =BF139236.D 20 =BF139237.D 40 =BF139238.D 50 =BF139239.D 60 =BF139240.D 80 =BF1392
41.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.598	0.557	0.577	0.544	0.536	0.555	0.530	0.557	4.25
3)		Pyridine		1.421	1.402	1.399	1.301	1.300	1.313	1.272	1.344	4.53
4)		n-Nitrosodimet...		0.883	0.876	0.895	0.858	0.848	0.885	0.864	0.873	1.91
5)	S	2-Fluorophenol		1.281	1.246	1.262	1.144	1.146	1.169	1.121	1.196	5.46
6)		Aniline		1.597	1.558	1.537	1.420	1.402	1.403	1.357	1.468	6.39
7)	S	Phenol-d6		1.758	1.682	1.667	1.543	1.508	1.531	1.482	1.596	6.59
8)		2-Chlorophenol		1.365	1.322	1.301	1.180	1.170	1.193	1.143	1.239	7.07
9)		Benzaldehyde		1.131	1.111	1.049	0.857	0.836	0.812		0.966	15.19
10)	C	Phenol		1.847	1.799	1.773	1.629	1.606	1.619	1.512	1.683	7.31
11)		bis(2-Chloroet...		1.312	1.285	1.259	1.154	1.169	1.172	1.091	1.206	6.65
12)		1,3-Dichlorobe...		1.551	1.499	1.465	1.344	1.324	1.353	1.281	1.402	7.25
13)	C	1,4-Dichlorobe...		1.537	1.496	1.490	1.352	1.326	1.339	1.288	1.404	7.12
14)		1,2-Dichlorobe...		1.467	1.422	1.391	1.265	1.216	1.231	1.174	1.309	8.79
15)		Benzyl Alcohol		1.229	1.189	1.223	1.140	1.120	1.145	1.101	1.164	4.33
16)		2,2'-oxybis(1-...		2.481	2.420	2.398	2.238	2.182	2.231	2.122	2.296	5.93
17)		2-Methylphenol		1.082	1.064	1.050	0.975	0.964	0.984	0.966	1.012	5.04
18)		Hexachloroethane		0.543	0.522	0.519	0.482	0.480	0.487	0.476	0.501	5.25
19)	P	n-Nitroso-di-n...		0.998	0.987	0.952	0.880	0.863	0.887	0.869	0.919	6.31
20)		3+4-Methylphenols		1.401	1.370	1.352	1.239	1.195	1.210	1.160	1.276	7.56
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.531	0.503	0.504	0.459	0.447	0.457	0.435	0.476	7.50
23)	S	Nitrobenzene-d5	0.371	0.401	0.387	0.403	0.377	0.374	0.389	0.374	0.384	3.24
24)		Nitrobenzene		0.416	0.425	0.425	0.397	0.393	0.406	0.394	0.408	3.40
25)		Isophorone		0.680	0.670	0.684	0.641	0.630	0.658	0.640	0.657	3.25
26)	C	2-Nitrophenol		0.137	0.148	0.166	0.164	0.165	0.171	0.169	0.160	7.83
27)		2,4-Dimethylph...		0.235	0.232	0.237	0.226	0.222	0.229	0.220	0.229	2.75
28)		bis(2-Chloroet...		0.410	0.410	0.411	0.378	0.373	0.387	0.373	0.392	4.60
29)	C	2,4-Dichloroph...		0.279	0.276	0.290	0.270	0.266	0.273	0.262	0.274	3.33
30)		1,2,4-Trichlor...		0.334	0.325	0.324	0.304	0.299	0.310	0.290	0.313	5.08
31)		Naphthalene		1.117	1.065	1.068	0.982	0.954	0.976	0.928	1.013	6.92
32)		Benzoic acid			0.161	0.198	0.204	0.218	0.228	0.240	0.208	13.36
33)		4-Chloroaniline		0.380	0.364	0.364	0.335	0.332	0.347	0.333	0.351	5.38
34)	C	Hexachlorobuta...		0.214	0.205	0.208	0.190	0.189	0.197	0.183	0.198	5.74
35)		Caprolactam		0.081	0.085	0.088	0.085	0.083	0.087	0.084	0.085	3.00
36)	C	4-Chloro-3-met...		0.309	0.299	0.313	0.295	0.284	0.298	0.290	0.298	3.48
37)		2-Methylnaphth...		0.708	0.665	0.670	0.609	0.592	0.610	0.580	0.634	7.52
38)		1-Methylnaphth...		0.688	0.669	0.654	0.602	0.585	0.599	0.566	0.623	7.47

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.623	0.605	0.600	0.539	0.529	0.545	0.519	0.566	7.47
41)	P	Hexachlorocycl...	0.153	0.174	0.190	0.192	0.186	0.192	0.185	0.182	7.69
42)	S	2,4,6-Tribromo...	0.176	0.176	0.184	0.169	0.167	0.173	0.163	0.173	4.08
43)	C	2,4,6-Trichlor...	0.381	0.362	0.380	0.374	0.356	0.371	0.368	0.370	2.49
44)		2,4,5-Trichlor...	0.389	0.398	0.417	0.379	0.377	0.392	0.364	0.388	4.39
45)	S	2-Fluorobiphenyl	1.509	1.434	1.406	1.214	1.183	1.205	1.118	1.296	11.61
46)		1,1'-Biphenyl	1.645	1.577	1.576	1.423	1.393	1.425	1.334	1.482	7.83
47)		2-Chloronaphth...	1.236	1.171	1.194	1.068	1.053	1.084	1.026	1.119	7.19
48)		2-Nitroaniline	0.351	0.374	0.400	0.386	0.387	0.405	0.394	0.385	4.73
49)		Acenaphthylene	1.851	1.774	1.797	1.623	1.585	1.630	1.536	1.685	7.15
50)		Dimethylphthalate	1.311	1.264	1.282	1.163	1.142	1.183	1.140	1.212	5.91
51)		2,6-Dinitrotol...	0.268	0.271	0.289	0.277	0.269	0.279	0.272	0.275	2.71
52)	C	Acenaphthene	1.184	1.153	1.177	1.087	1.074	1.097	1.053	1.118	4.71
53)		3-Nitroaniline	0.290	0.291	0.310	0.292	0.287	0.295	0.285	0.293	2.79
54)	P	2,4-Dinitrophenol		0.070	0.099	0.121	0.128	0.141	0.147	0.118	24.45
55)		Dibenzofuran	1.779	1.687	1.719	1.537	1.508	1.539	1.449	1.603	7.76
56)	P	4-Nitrophenol	0.187	0.204	0.231	0.225	0.219	0.231	0.217	0.216	7.40
57)		2,4-Dinitrotol...	0.308	0.344	0.371	0.360	0.353	0.366	0.348	0.350	5.91
58)		Fluorene	1.419	1.336	1.317	1.192	1.148	1.173	1.112	1.242	9.21
59)		2,3,4,6-Tetrac...	0.312	0.316	0.322	0.300	0.296	0.304	0.287	0.305	3.95
60)		Diethylphthalate	1.270	1.222	1.262	1.163	1.137	1.171	1.126	1.193	4.91
61)		4-Chlorophenyl...	0.669	0.643	0.645	0.580	0.556	0.569	0.533	0.599	8.75
62)		4-Nitroaniline	0.261	0.282	0.300	0.283	0.277	0.286	0.264	0.279	4.73
63)		Azobenzene	1.378	1.290	1.332	1.213	1.181	1.238	1.168	1.257	6.27
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.065	0.087	0.096	0.097	0.104	0.105	0.092	16.37
66)	c	n-Nitrosodiphe...	0.621	0.605	0.612	0.557	0.550	0.572	0.558	0.582	5.13
67)		4-Bromophenyl-...	0.201	0.201	0.202	0.189	0.182	0.196	0.187	0.194	4.17
68)		Hexachlorobenzene	0.240	0.230	0.232	0.213	0.210	0.217	0.214	0.222	5.32
69)		Atrazine	0.158	0.154	0.142	0.125	0.093			0.134	19.82
70)	C	Pentachlorophenol	0.102	0.118	0.136	0.136	0.133	0.139	0.135	0.128	10.51
71)		Phenanthrene	1.042	0.991	0.996	0.889	0.871	0.899	0.852	0.934	7.90
72)		Anthracene	0.991	0.972	0.972	0.887	0.853	0.876	0.837	0.913	7.02
73)		Carbazole	0.932	0.912	0.937	0.826	0.796	0.815	0.754	0.853	8.56
74)		Di-n-butylphth...	0.877	0.904	0.947	0.883	0.841	0.853	0.808	0.873	5.14
75)	C	Fluoranthene	1.054	1.046	1.049	0.901	0.851	0.857	0.798	0.937	11.75
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.389	0.420	0.405	0.435	0.383	0.393	0.393	0.403	4.62
78)		Pyrene	2.084	2.067	2.172	1.941	1.825	1.805	1.630	1.932	9.85
79)	S	Terphenyl-d14	1.403	1.388	1.398	1.227	1.138	1.111	1.006	1.239	12.99
80)		Butylbenzylpht...	0.347	0.421	0.473	0.486	0.471	0.497	0.488	0.455	11.75
81)		Benzo(a)anthra...	1.351	1.321	1.324	1.220	1.238	1.283	1.203	1.277	4.49
82)		3,3'-Dichlorob...	0.282	0.300	0.340	0.347	0.351	0.377	0.377	0.339	10.66
83)		Chrysene	1.246	1.228	1.252	1.194	1.100	1.172	1.152	1.192	4.63
84)		Bis(2-ethylhex...	0.392	0.442	0.512	0.578	0.565	0.623	0.626	0.534	16.81
85)	c	Di-n-octyl pht...		0.709	0.891	1.071	1.087	1.196	1.179	1.022	18.40

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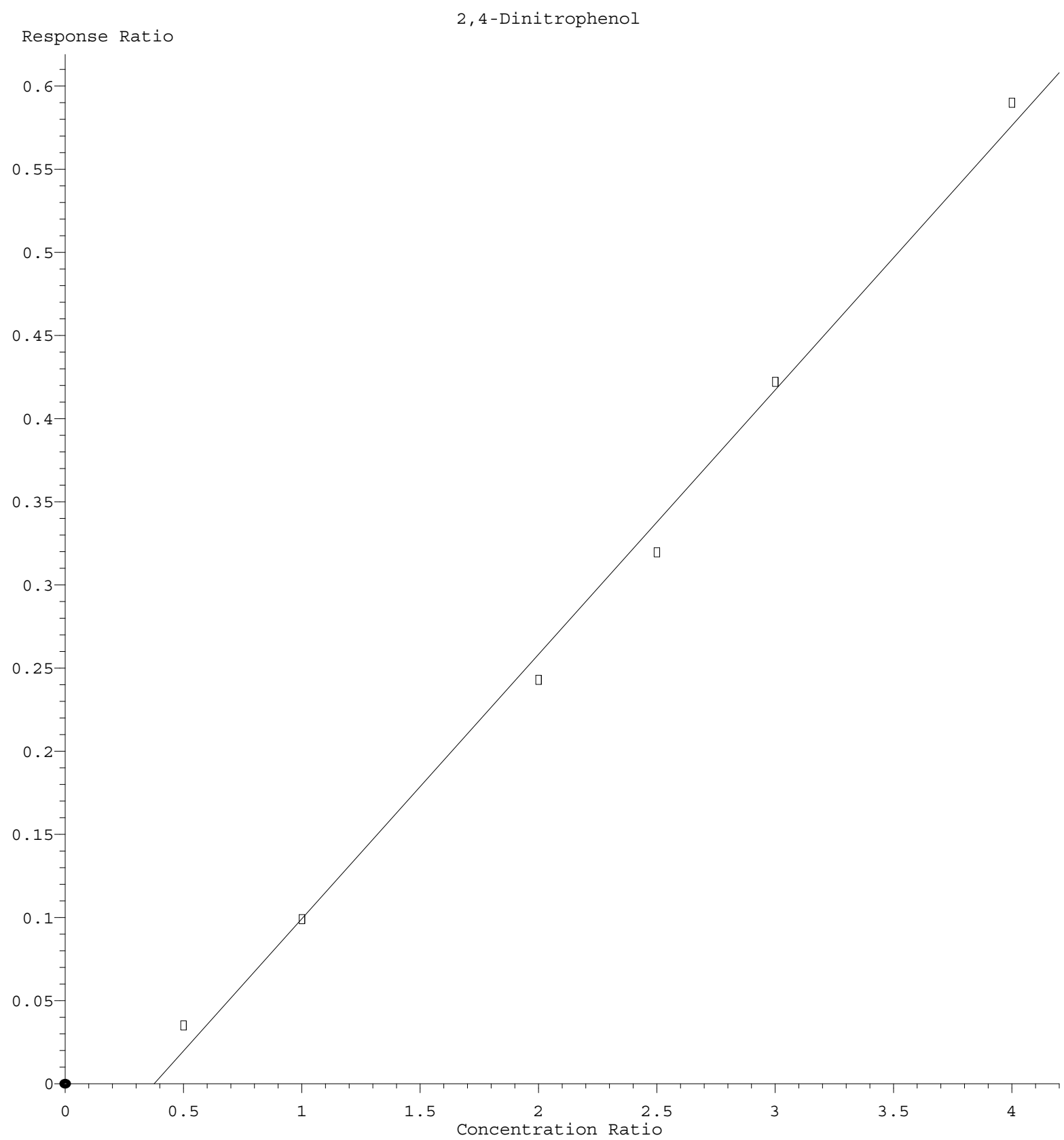
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.196	1.251	1.284	1.257	1.244	1.278	1.236	1.249	2.35
88)		Benzo(b)fluora...	1.153	1.118	1.274	1.145	1.073	1.201	1.097	1.152	5.90
89)		Benzo(k)fluora...	1.085	1.102	1.010	1.021	1.043	0.980	0.988	1.033	4.51
90)	C	Benzo(a)pyrene	0.954	0.944	1.020	0.984	0.965	1.009	0.969	0.978	2.89
91)		Dibenzo(a,h)an...	0.979	1.028	1.078	1.047	1.021	1.045	1.010	1.030	3.05
92)		Benzo(g,h,i)pe...	1.062	1.037	1.115	1.063	1.051	1.081	1.032	1.063	2.64

(#) = Out of Range



Response = 1.590e-001 * Amt - 5.985e-002
Coef of Det (r^2) = 0.995224 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF090424.M
Calibration Table Last Updated: Wed Sep 04 16:11:43 2024