Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF013123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Feb 01 05:24:37 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF132234.D 5 =BF132235.D 10 =BF132236.D 20 =BF132237.D 40 =BF132238.D 50 =BF132239.D 60 =BF132240.D 80 =BF1322
41.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.644	0.605	0.604	0.595	0.578	0.552	0.521	0.585	6.83
3)		Pyridine		1.755	1.661	1.583	1.628	1.561	1.501	1.430	1.588	6.71
4)		n-Nitrosodimet...		0.549	0.508	0.522	0.513	0.503	0.488	0.474	0.508	4.75
5)	S	2-Fluorophenol		1.466	1.378	1.343	1.238	1.174	1.106	1.005	1.244	13.04
6)		Aniline		2.334	2.204	2.182	2.072	2.003	1.940	1.836	2.082	8.20
7)	S	Phenol-d6		1.815	1.676	1.643	1.531	1.447	1.385	1.242	1.534	12.66
8)		2-Chlorophenol		1.463	1.417	1.382	1.309	1.246	1.168	1.036	1.289	11.70
9)		Benzaldehyde		1.183	1.072	1.002	0.868	0.777	0.716		0.936	19.23
10)	C	Phenol		1.848	1.752	1.694	1.592	1.501	1.439	1.290	1.588	12.18
11)		bis(2-Chloroet...		1.508	1.405	1.380	1.314	1.260	1.200	1.080	1.307	10.83
12)		1,3-Dichlorobe...		1.570	1.479	1.450	1.371	1.308	1.246	1.117	1.363	11.26
13)	C	1,4-Dichlorobe...		1.553	1.472	1.459	1.370	1.308	1.238	1.123	1.361	10.97
14)		1,2-Dichlorobe...		1.504	1.401	1.379	1.274	1.201	1.129	0.994	1.269	13.81
15)		Benzyl Alcohol		1.225	1.180	1.163	1.144	1.086	1.073	0.964	1.119	7.74
16)		2,2'-oxybis(1-...		1.591	1.519	1.482	1.395	1.311	1.251	1.090	1.377	12.57
17)		2-Methylphenol		1.287	1.217	1.187	1.133	1.077	1.039	0.957	1.128	10.00
18)		Hexachloroethane		0.570	0.537	0.541	0.518	0.500	0.473	0.434	0.510	8.93
19)	P	n-Nitroso-di-n...	0.926	1.063	0.974	0.936	0.860	0.776	0.755	0.681	0.871	14.60
20)		3+4-Methylphenols		1.667	1.592	1.568	1.480	1.365	1.292	1.114	1.440	13.50
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.557	0.523	0.510	0.465	0.442	0.417	0.379	0.470	13.43
23)	S	Nitrobenzene-d5		0.397	0.376	0.378	0.359	0.354	0.337	0.315	0.359	7.73
24)		Nitrobenzene		0.397	0.384	0.387	0.369	0.368	0.345	0.319	0.367	7.42
25)		Isophorone		0.745	0.702	0.698	0.670	0.665	0.658	0.638	0.682	5.24
26)	C	2-Nitrophenol		0.164	0.174	0.185	0.186	0.188	0.181	0.173	0.179	4.73
27)		2,4-Dimethylph...		0.336	0.327	0.329	0.312	0.312	0.296	0.280	0.313	6.34
28)		bis(2-Chloroet...		0.470	0.453	0.447	0.419	0.403	0.387	0.356	0.419	9.65
29)	C	2,4-Dichloroph...		0.297	0.289	0.292	0.278	0.276	0.264	0.250	0.278	5.96
30)		1,2,4-Trichlor...		0.330	0.316	0.313	0.297	0.291	0.278	0.259	0.298	8.15
31)		Naphthalene		1.142	1.075	1.058	0.978	0.938	0.898	0.801	0.984	11.85
32)		Benzoic acid			0.185	0.214	0.238	0.248	0.252	0.252	0.232	11.65
33)		4-Chloroaniline		0.488	0.463	0.454	0.439	0.427	0.408	0.377	0.437	8.41
34)	C	Hexachlorobuta...		0.179	0.175	0.175	0.166	0.167	0.159	0.151	0.167	5.80
35)		Caprolactam		0.095	0.092	0.095	0.096	0.096	0.097	0.093	0.095	2.05
36)	C	4-Chloro-3-met...		0.316	0.306	0.308	0.302	0.297	0.292	0.276	0.299	4.37
37)		2-Methylnaphth...		0.773	0.728	0.712	0.667	0.635	0.602	0.551	0.667	11.56
38)		1-Methylnaphth...		0.709	0.670	0.668	0.621	0.595	0.561	0.514	0.620	11.02

Response Factor Report BNA_F

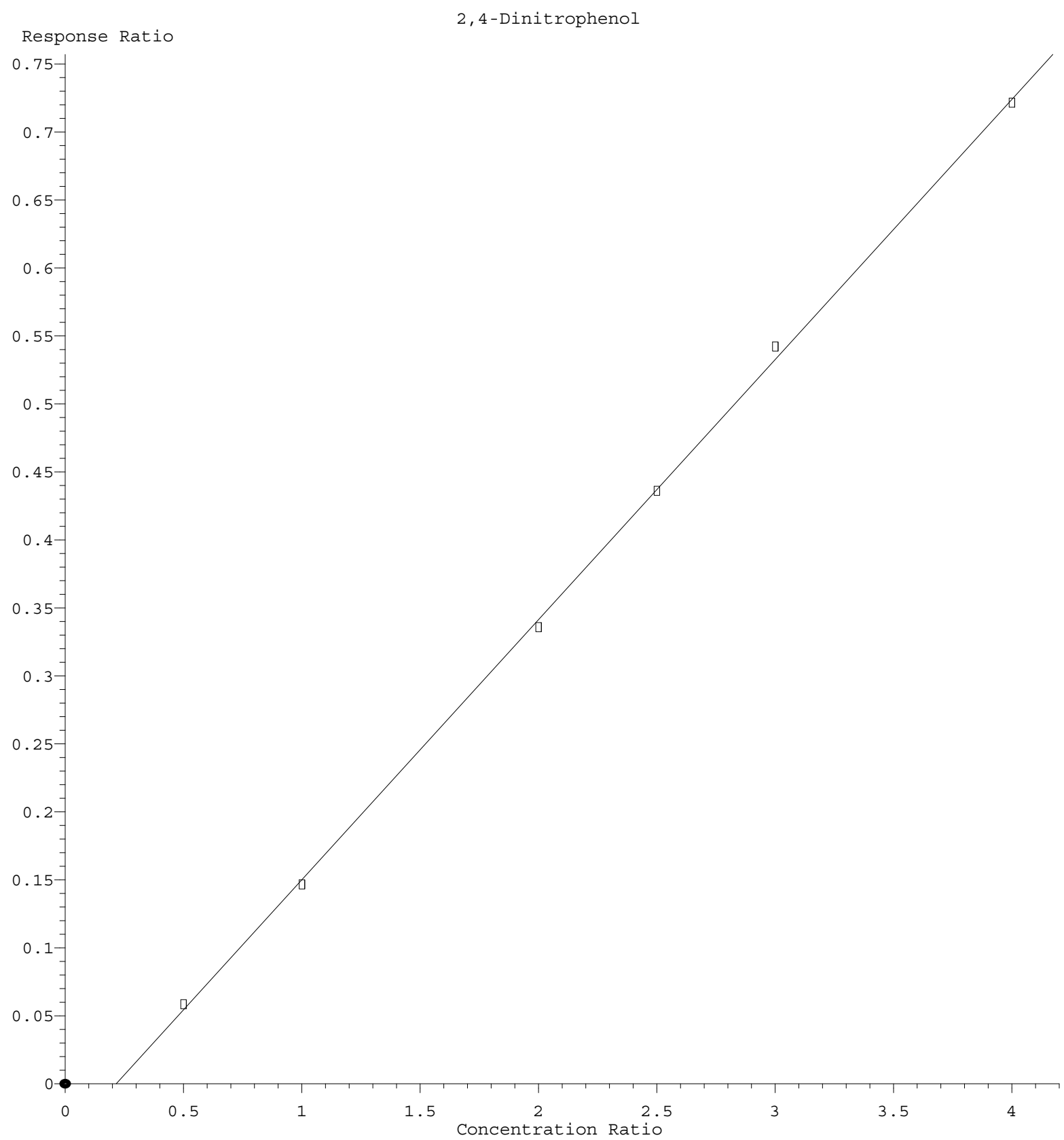
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF013123.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.621	0.602	0.604	0.560	0.547	0.525	0.481	0.563	8.85
41)	P	Hexachlorocycl...	0.295	0.309	0.339	0.338	0.348	0.343	0.326	0.328	5.91
42)	S	2,4,6-Tribromo...	0.221	0.205	0.207	0.202	0.203	0.202	0.199	0.206	3.53
43)	C	2,4,6-Trichlor...	0.421	0.412	0.416	0.410	0.403	0.389	0.365	0.402	4.85
44)		2,4,5-Trichlor...	0.492	0.471	0.475	0.468	0.462	0.449	0.424	0.463	4.64
45)	S	2-Fluorobiphenyl	1.549	1.446	1.356	1.196	1.147	1.076		1.295	14.27
46)		1,1'-Biphenyl	1.783	1.667	1.676	1.543	1.479	1.395	1.251	1.542	11.90
47)		2-Chloronaphth...	1.329	1.267	1.261	1.171	1.133	1.074	0.985	1.174	10.29
48)		2-Nitroaniline	0.347	0.340	0.365	0.361	0.355	0.349	0.329	0.349	3.54
49)		Acenaphthylene	2.180	2.048	2.051	1.929	1.861	1.765	1.583	1.917	10.49
50)		Dimethylphthalate	1.578	1.479	1.457	1.403	1.350	1.306	1.219	1.399	8.51
51)		2,6-Dinitrotol...	0.311	0.313	0.319	0.320	0.319	0.312	0.294	0.312	2.83
52)	C	Acenaphthene	1.346	1.275	1.276	1.190	1.166	1.120	1.027	1.200	9.02
53)		3-Nitroaniline	0.384	0.374	0.390	0.386	0.387	0.375	0.356	0.379	3.12
54)	P	2,4-Dinitrophenol		0.117	0.147	0.168	0.174	0.181	0.180	0.161	15.56
55)		Dibenzofuran	1.969	1.836	1.788	1.675	1.609	1.530	1.395	1.686	11.56
56)	P	4-Nitrophenol	0.257	0.267	0.293	0.298	0.299	0.295	0.287	0.285	5.86
57)		2,4-Dinitrotol...	0.384	0.388	0.415	0.419	0.422	0.417	0.396	0.406	3.92
58)		Fluorene	1.534	1.422	1.389	1.270	1.228	1.179	1.060	1.298	12.42
59)		2,3,4,6-Tetrac...	0.356	0.345	0.346	0.348	0.339	0.325	0.305	0.338	5.10
60)		Diethylphthalate	1.540	1.466	1.437	1.406	1.381	1.316	1.197	1.392	7.96
61)		4-Chlorophenyl...	0.717	0.670	0.651	0.609	0.586	0.564	0.514	0.616	11.18
62)		4-Nitroaniline	0.364	0.357	0.368	0.369	0.370	0.364	0.353	0.363	1.73
63)		Azobenzene	1.535	1.454	1.430	1.375	1.325	1.251	1.119	1.356	10.23
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.085	0.097	0.115	0.121	0.129	0.126	0.121	0.114	14.40
66)	c	n-Nitrosodiphe...	0.718	0.673	0.677	0.620	0.603	0.569	0.525	0.626	10.77
67)		4-Bromophenyl-...	0.225	0.213	0.218	0.202	0.202	0.194	0.180	0.205	7.49
68)		Hexachlorobenzene	0.239	0.233	0.229	0.216	0.215	0.205	0.195	0.219	7.16
69)		Atrazine	0.198	0.195	0.191	0.188	0.173	0.165	0.152	0.180	9.51
70)	C	Pentachlorophenol	0.140	0.150	0.158	0.154	0.157	0.151	0.144	0.150	4.45
71)		Phenanthrene	1.214	1.135	1.134	1.024	1.003	0.939	0.868	1.045	11.68
72)		Anthracene	1.220	1.162	1.157	1.053	1.025	0.953	0.874	1.064	11.69
73)		Carbazole	1.075	1.029	1.035	0.937	0.924	0.874	0.801	0.954	10.27
74)		Di-n-butylphth...	1.257	1.215	1.207	1.124	1.107	1.037	0.945	1.127	9.75
75)	C	Fluoranthene	1.204	1.144	1.146	1.050	1.038	0.979	0.904	1.067	9.86
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.822	0.789	0.746	0.666	0.600	0.572		0.699	14.63
78)		Pyrene	1.772	1.675	1.656	1.592	1.585	1.516	1.464	1.609	6.40
79)	S	Terphenyl-d14	1.211	1.126	1.058	0.993	0.986	0.940	0.923	1.034	10.10
80)		Butylbenzylpht...	0.702	0.688	0.708	0.721	0.743	0.710	0.703	0.711	2.45
81)		Benzo(a)anthra...	1.508	1.430	1.447	1.407	1.384	1.325	1.290	1.399	5.29
82)		3,3'-Dichlorob...	0.475	0.478	0.493	0.456	0.436	0.405	0.376	0.446	9.53
83)		Chrysene	1.441	1.396	1.376	1.293	1.283	1.227	1.154	1.310	7.70
84)		Bis(2-ethylhex...	1.005	0.988	0.978	0.967	0.987	0.921	0.878	0.961	4.70
85)	c	Di-n-octyl pht...	1.608	1.605	1.610	1.590	1.626	1.518	1.410	1.567	4.94

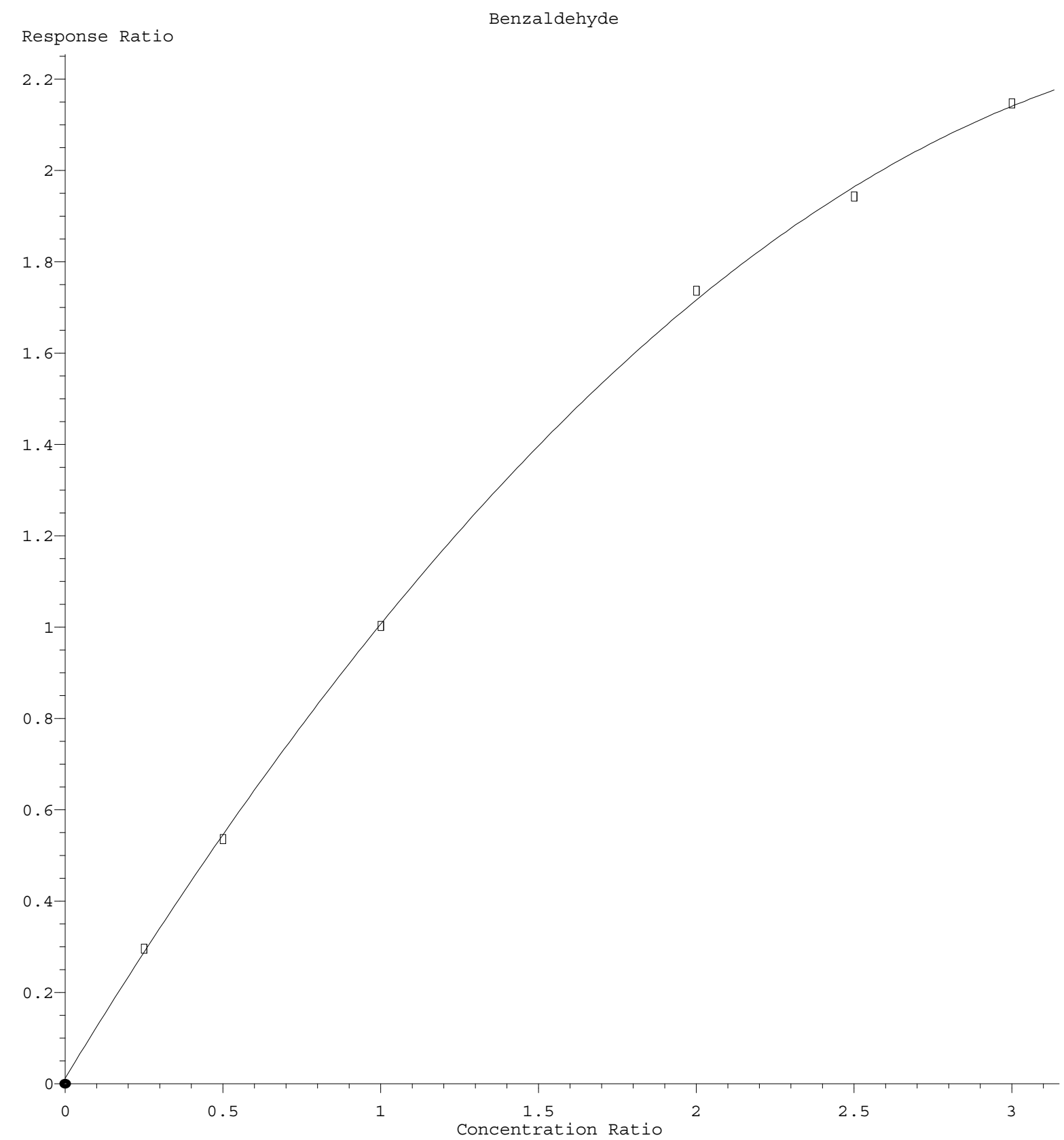
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF013123.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.298	1.281	1.289	1.282	1.389	1.362	1.400	1.329	3.99
88)		Benzo(b)fluora...	1.363	1.309	1.283	1.318	1.271	1.200	1.156	1.271	5.61
89)		Benzo(k)fluora...	1.300	1.246	1.291	1.213	1.213	1.191	1.042	1.213	7.08
90)	C	Benzo(a)pyrene	1.261	1.206	1.219	1.198	1.179	1.144	1.079	1.184	4.94
91)		Dibenzo(a,h)an...	1.033	1.043	1.063	1.046	1.114	1.085	1.096	1.068	2.85
92)		Benzo(g,h,i)pe...	1.064	1.043	1.053	1.052	1.180	1.150	1.184	1.104	5.84

(#) = Out of Range



Response = 1.915e-001 * Amt - 4.143e-002
Coef of Det (r^2) = 0.999486 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF013123.M
Calibration Table Last Updated: Wed Feb 01 05:24:37 2023



R = -1.424e-001 A*A + 1.137e+000 A + 1.241e-002
Coef of Det (r^2) = 0.999641 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF013123.M
Calibration Table Last Updated: Wed Feb 01 05:24:37 2023