Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG120723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 08 02:35:41 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG059981.D 5 =BG059982.D 10 =BG059983.D 20 =BG059984.D 40 =BG059985.D 50 =BG059986.D 60 =BG059987.D 80 =BG0599
88.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.637	0.520	0.541	0.401	0.430	0.466	0.428	0.489	16.91
3)		Pyridine		1.521	1.344	1.363	1.263	1.261	1.385	1.363	1.357	6.45
4)		n-Nitrosodimet...		0.570	0.582	0.625	0.503	0.569	0.641	0.626	0.588	8.10
5)	S	2-Fluorophenol		1.234	1.151	1.047	0.992	1.101	1.042	1.004	1.081	8.04
6)		Aniline		1.664	1.510	1.660	1.856	1.477	1.607	1.572	1.621	7.74
7)	S	Phenol-d6		1.644	1.427	1.557	1.444	1.458	1.576	1.537	1.520	5.26
8)		2-Chlorophenol		1.115	1.039	1.071	0.982	0.956	1.082	1.021	1.038	5.44
9)		Benzaldehyde		1.096	1.063	1.039	0.885	0.806	0.841	0.762	0.927	14.64
10)	C	Phenol		1.488	1.439	1.564	1.424	1.430	1.553	1.501	1.486	3.89
11)		bis(2-Chloroet...		1.110	0.989	1.032	0.941	0.922	1.003	0.958	0.994	6.42
12)		1,3-Dichlorobe...		1.658	1.525	1.511	1.268	1.352	1.490	1.468	1.468	8.59
13)	C	1,4-Dichlorobe...		1.502	1.406	1.522	1.263	1.395	1.526	1.494	1.444	6.65
14)		1,2-Dichlorobe...		1.430	1.404	1.446	1.144	1.338	1.480	1.400	1.377	8.12
15)		Benzyl Alcohol		1.382	1.209	1.435	1.360	1.292	1.432	1.388	1.357	5.98
16)		2,2'-oxybis(1-...		0.598	0.578	0.567	0.469	0.486	0.537	0.512	0.535	9.06
17)		2-Methylphenol		0.956	0.979	1.065	0.960	0.975	1.079	1.013	1.004	5.00
18)		Hexachloroethane		0.544	0.445	0.486	0.367	0.465	0.493	0.479	0.469	11.56
19)	P	n-Nitroso-di-n...	1.141	1.011	1.007	1.038	0.919	0.968	1.077	1.037	1.025	6.53
20)		3+4-Methylphenols		1.497	1.357	1.503	1.319	1.333	1.487	1.459	1.422	5.78
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.622	0.573	0.612	0.566	0.554	0.600	0.569	0.585	4.42
23)	S	Nitrobenzene-d5		0.450	0.417	0.470	0.455	0.437	0.476	0.464	0.453	4.52
24)		Nitrobenzene		0.468	0.455	0.477	0.474	0.454	0.480	0.468	0.468	2.24
25)		Isophorone		0.890	0.785	0.838	0.821	0.755	0.819	0.796	0.815	5.25
26)	C	2-Nitrophenol		0.200	0.169	0.187	0.177	0.173	0.185	0.183	0.182	5.64
27)		2,4-Dimethylph...		0.266	0.229	0.242	0.312	0.214	0.233	0.222	0.245	13.72
28)		bis(2-Chloroet...		0.402	0.385	0.417	0.373	0.354	0.390	0.380	0.386	5.19
29)	C	2,4-Dichloroph...		0.487	0.452	0.461	0.460	0.438	0.481	0.459	0.462	3.60
30)		1,2,4-Trichlor...		0.634	0.628	0.674	0.600	0.619	0.673	0.666	0.642	4.54
31)		Naphthalene		1.047	1.003	1.084	0.987	0.995	1.027	1.008	1.022	3.35
32)		Benzoic acid			0.240	0.264	0.241	0.228	0.259	0.257	0.248	5.63
33)		4-Chloroaniline		0.384	0.365	0.394	0.422	0.358	0.389	0.378	0.384	5.47
34)	C	Hexachlorobuta...		0.720	0.696	0.728	0.639	0.671	0.734	0.708	0.699	4.89
35)		Caprolactam		0.104	0.113	0.113	0.110	0.092	0.103	0.102	0.105	7.29
36)	C	4-Chloro-3-met...		0.431	0.387	0.430	0.426	0.381	0.403	0.383	0.406	5.60
37)		2-Methylnaphth...		0.917	0.856	0.904	0.953	0.832	0.882	0.851	0.885	4.80
38)		1-Methylnaphth...		0.896	0.821	0.918	0.783	0.794	0.841	0.832	0.841	5.93

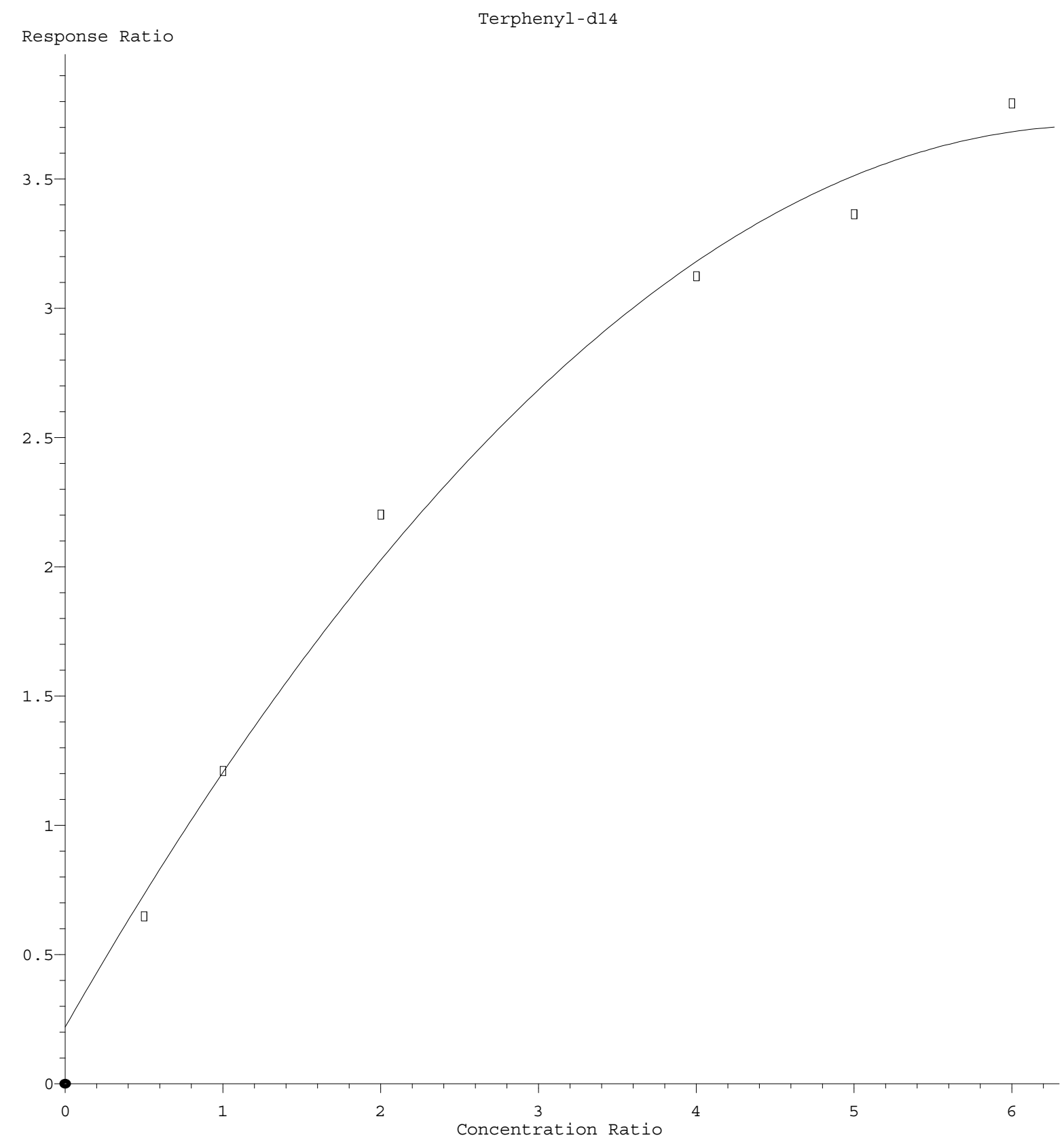
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG120723.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	1.298	1.235	1.241	1.343	1.212	1.303	1.322	1.279	3.87
41)	P	Hexachlorocycl...	0.534	0.509	0.576	0.777	0.565	0.605	0.617	0.598	14.66
42)	S	2,4,6-Tribromo...	0.547	0.545	0.593	0.566	0.574	0.621	0.623	0.581	5.58
43)	C	2,4,6-Trichlor...	0.663	0.617	0.682	0.644	0.659	0.711	0.665	0.663	4.45
44)		2,4,5-Trichlor...	0.748	0.733	0.765	0.755	0.714	0.771	0.746	0.748	2.62
45)	S	2-Fluorobiphenyl	1.821	1.674	1.746	1.665	1.577	1.650	1.517	1.664	6.05
46)		1,1'-Biphenyl	1.511	1.406	1.453	1.500	1.420	1.476	1.417	1.455	2.91
47)		2-Chloronaphth...	1.288	1.258	1.262	1.167	1.244	1.320	1.228	1.253	3.85
48)		2-Nitroaniline	0.229	0.229	0.234	0.243	0.238	0.256	0.282	0.245	7.77
49)		Acenaphthylene	1.755	1.643	1.749	1.724	1.608	1.717	1.627	1.689	3.63
50)		Dimethylphthalate	1.711	1.608	1.595	1.607	1.510	1.587	1.541	1.594	3.96
51)		2,6-Dinitrotol...	0.344	0.348	0.350	0.338	0.342	0.379	0.356	0.351	3.84
52)	C	Acenaphthene	1.272	1.158	1.263	1.175	1.193	1.273	1.235	1.224	3.97
53)		3-Nitroaniline	0.249	0.235	0.237	0.260	0.227	0.242	0.230	0.240	4.74
54)	P	2,4-Dinitrophenol	0.256	0.269	0.285	0.294	0.293	0.329	0.314	0.292	8.51
55)		Dibenzofuran	2.079	2.024	2.064	1.970	1.899	1.961	1.927	1.989	3.44
56)	P	4-Nitrophenol	0.216	0.203	0.216	0.206	0.192	0.200	0.191	0.203	4.94
57)		2,4-Dinitrotol...	0.488	0.500	0.524	0.469	0.483	0.542	0.512	0.503	5.03
58)		Fluorene	1.844	1.695	1.799	1.699	1.639	1.759	1.697	1.733	4.09
59)		2,3,4,6-Tetrac...	0.806	0.866	0.879	0.819	0.811	0.850	0.840	0.839	3.37
60)		Diethylphthalate	1.534	1.369	1.497	1.417	1.367	1.452	1.398	1.433	4.47
61)		4-Chlorophenyl...	1.486	1.444	1.503	1.438	1.396	1.475	1.445	1.455	2.46
62)		4-Nitroaniline	0.295	0.255	0.284	0.272	0.241	0.262	0.254	0.266	7.03
63)		Azobenzene	1.281	1.241	1.274	1.262	1.184	1.238	1.285	1.252	2.83
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.130	0.135	0.146	0.142	0.141	0.161	0.142	0.143	6.87
66)	c	n-Nitrosodiphe...	0.492	0.473	0.481	0.470	0.452	0.481	0.476	0.475	2.62
67)		4-Bromophenyl-...	0.315	0.305	0.308	0.303	0.307	0.328	0.330	0.314	3.54
68)		Hexachlorobenzene	0.386	0.348	0.358	0.333	0.367	0.385	0.377	0.365	5.40
69)		Atrazine	0.265	0.244	0.234	0.163	0.194	0.188	0.164	0.207	19.52
70)	C	Pentachlorophenol	0.244	0.259	0.261	0.239	0.260	0.271	0.255	0.255	4.23
71)		Phenanthrene	1.020	0.927	0.975	0.926	0.868	0.898	0.795	0.916	7.92
72)		Anthracene	1.010	0.951	0.960	0.947	0.880	0.917	0.813	0.925	6.86
73)		Carbazole	0.842	0.780	0.785	0.750	0.714	0.730	0.682	0.755	7.00
74)		Di-n-butylphth...	0.756	0.688	0.705	0.664	0.648	0.654	0.604	0.674	7.15
75)	C	Fluoranthene	1.639	1.560	1.517	1.352	1.266	1.267		1.434	11.14
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.199	0.156	0.247	0.201	0.343	0.252	0.245	0.235	25.15
78)		Pyrene	1.241	1.148	1.189	0.993	0.937	0.919		1.071	12.92
79)	S	Terphenyl-d14	1.295	1.210	1.101	0.781	0.673	0.632		0.949	30.41
80)		Butylbenzylpht...	0.203	0.188	0.205	0.189	0.180	0.185	0.172	0.189	6.21
81)		Benzo(a)anthra...	1.451	1.372	1.408	1.221	1.121	1.086		1.276	12.15
82)		3,3'-Dichlorob...	0.470	0.463	0.476	0.497	0.441	0.447	0.391	0.455	7.44
83)		Chrysene	1.363	1.293	1.307	1.174	1.054	1.038		1.205	11.41
84)		Bis(2-ethylhex...	0.288	0.279	0.290	0.284	0.268	0.284	0.253	0.278	4.68
85)	c	Di-n-octyl pht...	0.503	0.497	0.502	0.483	0.459	0.482	0.437	0.480	5.15

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG120723.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.508	1.512	1.516	1.382	1.409	1.478	1.395	1.457	4.10
88)		Benzo(b)fluora...	1.296	1.218	1.276	1.072	1.131	1.127	1.027	1.164	8.76
89)		Benzo(k)fluora...	1.242	1.201	1.217	1.119	1.080	1.080	0.954	1.127	8.96
90)	C	Benzo(a)pyrene	1.138	1.098	1.117	1.069	1.017	1.048	0.941	1.061	6.34
91)		Dibenzo(a,h)an...	1.277	1.257	1.280	1.203	1.192	1.237	1.143	1.227	4.09
92)		Benzo(g,h,i)pe...	1.246	1.238	1.255	1.122	1.162	1.222	1.127	1.196	4.80

(#) = Out of Range



R = -8.150e-002 A*A + 1.066e+000 A + 2.199e-001
Coef of Det (r^2) = 0.990442 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG120723.M
Calibration Table Last Updated: Fri Dec 08 02:35:41 2023