Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN092023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 20 13:45:42 2023
Response Via : Initial Calibration

Calibration Files
0.1 =BN027756.D 0.2 =BN027757.D 0.4 =BN027758.D 0.8 =BN027759.D 1.6 =BN027760.D 3.2 =BN027761.D 5.0 =BN027762.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.633	0.513	0.503	0.503	0.404	0.441	0.435	0.490	15.44
3)		n-Nitrosodimet...	0.577	0.550	0.597	0.613	0.503	0.557	0.557	0.565	6.32
4)	S	2-Fluorophenol	1.195	1.154	1.025	1.068	0.815	0.898	0.927	1.012	13.75
5)	S	Phenol-d6	1.330	1.327	1.246	1.347	1.059	1.231	1.312	1.265	7.97
6)		bis(2-Chloroet...	1.230	1.250	1.331	1.299	1.085	1.230	1.243	1.238	6.26
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.326	0.305	0.320	0.322	0.272	0.318	0.355	0.317	7.82
9)		Naphthalene	1.150	1.122	1.183	1.111	0.946	1.094	1.157	1.109	7.01
10)		Hexachlorobuta...	0.207	0.200	0.209	0.197	0.163	0.183	0.191	0.193	8.22
11)	SURR	2-Methylnaphth...	0.503	0.570	0.636	0.612	0.518	0.605	0.644	0.584	9.58
12)		2-Methylnaphth...	0.720	0.712	0.821	0.803	0.685	0.800	0.853	0.770	8.30
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.181	0.161	0.157	0.169	0.143	0.173	0.206	0.170	11.74
15)	S	2-Fluorobiphenyl	1.166	1.240	1.370	1.418	1.221	1.421	1.621	1.351	11.55
16)		Acenaphthylene	1.586	1.570	1.746	1.711	1.471	1.811	2.074	1.710	11.61
17)		Acenaphthene	1.231	1.205	1.321	1.226	1.024	1.184	1.298	1.213	7.98
18)		Fluorene	1.783	1.730	1.910	1.807	1.525	1.723	1.834	1.759	6.90
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.006	0.007	0.005	0.006	0.005	0.006	0.007	0.006	12.81
21)		4-Bromophenyl-...	0.184	0.191	0.206	0.210	0.179	0.215	0.245	0.204	10.90
22)		Hexachlorobenzene	0.228	0.233	0.240	0.238	0.197	0.231	0.260	0.232	8.16
23)		Atrazine	0.136	0.140	0.146	0.148	0.129	0.165	0.191	0.151	13.99
24)		Pentachlorophenol	0.089	0.077	0.087	0.079	0.105	0.129	0.094	21.01	
25)		Phenanthrene	1.149	1.138	1.212	1.201	1.007	1.184	1.300	1.170	7.65
26)		Anthracene	0.914	0.920	1.001	1.014	0.863	1.084	1.215	1.002	11.95
27)	SURR	Fluoranthene-d10	1.036	1.002	1.075	1.061	0.900	1.061	1.141	1.039	7.17
28)		Fluoranthene	1.408	1.372	1.469	1.465	1.259	1.488	1.605	1.438	7.47
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.457	1.440	1.505	1.438	1.213	1.411	1.595	1.437	8.08
31)	S	Terphenyl-d14	0.881	0.770	0.771	0.763	0.645	0.735	0.835	0.771	9.69
32)		Benzo(a)anthra...	1.378	1.297	1.423	1.368	1.233	1.451	1.567	1.388	7.79
33)		Chrysene	1.532	1.537	1.622	1.571	1.323	1.505	1.609	1.528	6.54
34)		Bis(2-ethylhex...	0.628	0.614	0.585	0.558	0.500	0.642	0.777	0.615	14.03
35)	I	Perylene-d12	----------ISTD----------								

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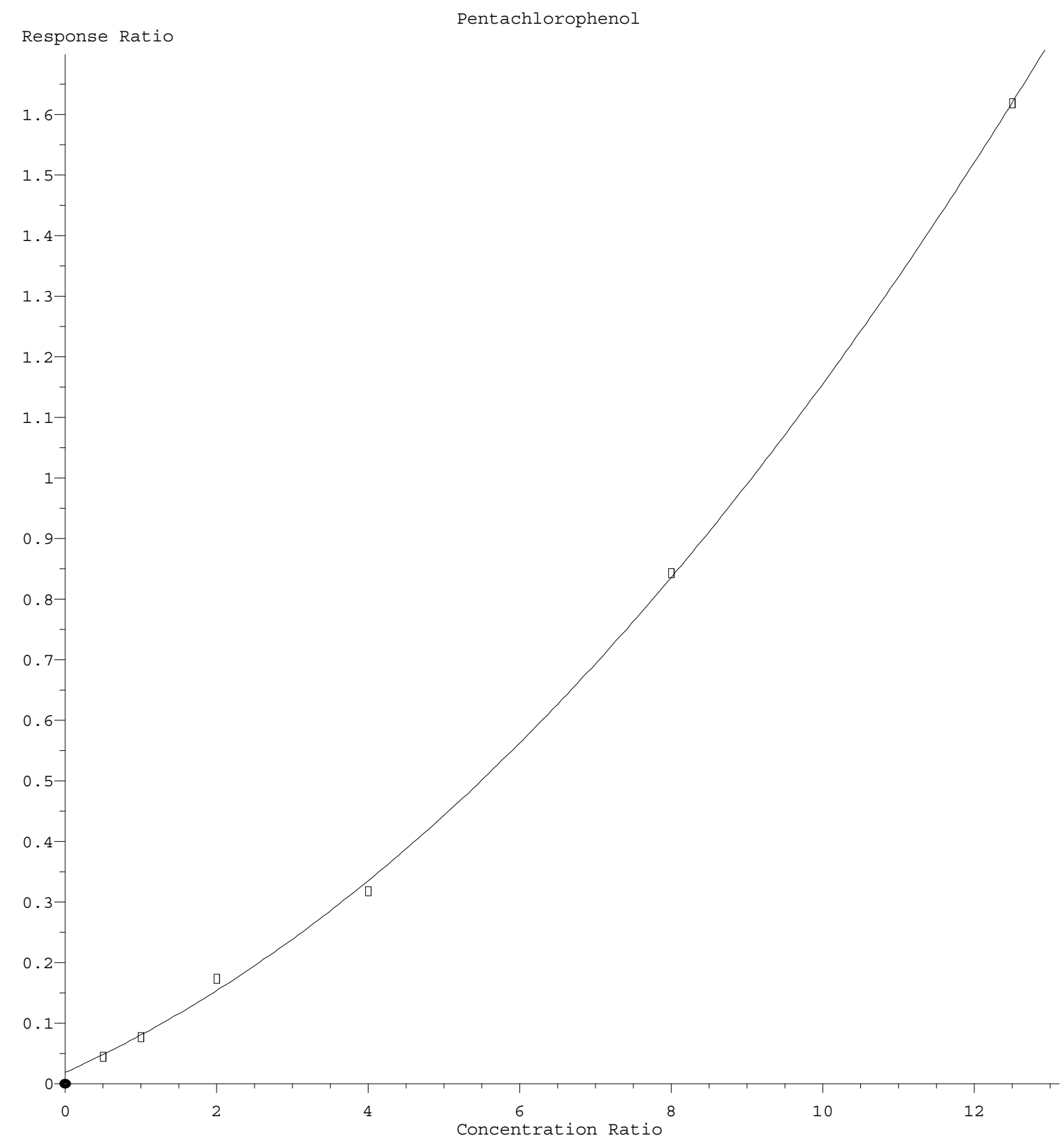
36)		Indeno(1,2,3-c...	1.595	1.582	1.657	1.738	1.505	1.845	1.990	1.702	9.93
37)		Benzo(b)fluora...	1.534	1.506	1.555	1.651	1.362	1.664	1.798	1.582	8.76
38)		Benzo(k)fluora...	1.543	1.519	1.571	1.657	1.391	1.721	1.826	1.604	8.94
39)	C	Benzo(a)pyrene	1.334	1.348	1.424	1.445	1.264	1.545	1.699	1.437	10.20
40)		Dibenzo(a,h)an...	1.290	1.287	1.355	1.421	1.228	1.512	1.630	1.389	10.23
41)		Benzo(g,h,i)pe...	1.457	1.499	1.543	1.575	1.341	1.610	1.730	1.536	7.98

(#) = Out of Range



R = 5.764e-003 A*A + 5.603e-002 A + 1.876e-002
Coef of Det (r^2) = 0.999601 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN092023.M
Calibration Table Last Updated: Wed Sep 20 13:45:42 2023