Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN032224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Mar 22 00:01:57 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN030450.D 0.2 =BN030451.D 0.4 =BN030452.D 0.8 =BN030453.D 1.6 =BN030454.D 3.2 =BN030455.D 5.0 =BN030456.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	0.660	0.516	0.478	0.484	0.518	0.488	0.473	0.517	12.74
3)		n-Nitrosodimet...	0.475	0.510	0.478	0.499	0.530	0.507	0.485	0.498	3.96
4)	S	2-Fluorophenol	0.969	1.002	0.922	0.956	1.033	1.034	1.004	0.988	4.18
5)	S	Phenol-d6	1.266	1.272	1.196	1.248	1.364	1.366	1.334	1.292	4.95
6)		bis(2-Chloroet...	1.224	1.280	1.175	1.223	1.304	1.250	1.201	1.237	3.61
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.297	0.303	0.288	0.298	0.320	0.327	0.323	0.308	5.01
9)		Naphthalene	1.134	1.172	1.106	1.132	1.216	1.180	1.153	1.156	3.17
10)		Hexachlorobuta...	0.213	0.227	0.208	0.213	0.222	0.215	0.209	0.215	3.26
11)	SURR	2-Methylnaphth...	0.556	0.584	0.549	0.574	0.616	0.603	0.594	0.582	4.19
12)		2-Methylnaphth...	0.707	0.743	0.702	0.730	0.786	0.762	0.746	0.739	4.02
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.136	0.129	0.123	0.138	0.150	0.170	0.173	0.146	13.64
15)	S	2-Fluorobiphenyl	1.759	1.789	1.671	1.678	1.766	1.741	1.688	1.727	2.76
16)		Acenaphthylene	1.972	1.987	1.877	1.988	2.170	2.198	2.196	2.055	6.32
17)		Acenaphthene	1.303	1.356	1.294	1.355	1.465	1.447	1.418	1.377	4.93
18)		Fluorene	1.741	1.829	1.716	1.830	1.936	1.922	1.880	1.836	4.60
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.026	0.029	0.034	0.039	0.043		0.034	20.19
21)		4-Bromophenyl-...	0.253	0.258	0.237	0.252	0.273	0.271	0.267	0.259	4.95
22)		Hexachlorobenzene	0.307	0.316	0.292	0.308	0.330	0.321	0.314	0.313	3.80
23)		Atrazine	0.168	0.171	0.161	0.181	0.201	0.213	0.211	0.187	11.55
24)		Pentachlorophenol		0.070	0.071	0.084	0.101	0.117		0.089	22.87
25)		Phenanthrene	1.240	1.278	1.189	1.259	1.356	1.326	1.310	1.280	4.41
26)		Anthracene	1.029	1.085	1.009	1.103	1.223	1.226	1.216	1.127	8.34
27)	SURR	Fluoranthene-d10	0.899	0.979	0.911	0.988	1.065	1.070	1.072	0.998	7.44
28)		Fluoranthene	1.368	1.419	1.324	1.427	1.561	1.533	1.502	1.448	6.03
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	2.038	2.020	1.909	1.983	2.092	1.997	1.958	2.000	2.94
31)	S	Terphenyl-d14	0.951	0.900	0.840	0.893	0.936	0.886	0.869	0.897	4.23
32)		Benzo(a)anthra...	1.616	1.538	1.462	1.575	1.713	1.694	1.735	1.619	6.23
33)		Chrysene	1.772	1.691	1.648	1.712	1.800	1.722	1.682	1.718	3.06
34)		Bis(2-ethylhex...	0.650	0.610	0.563	0.640	0.709	0.802	0.832	0.687	14.51
35)	I	Perylene-d12	----------ISTD----------								

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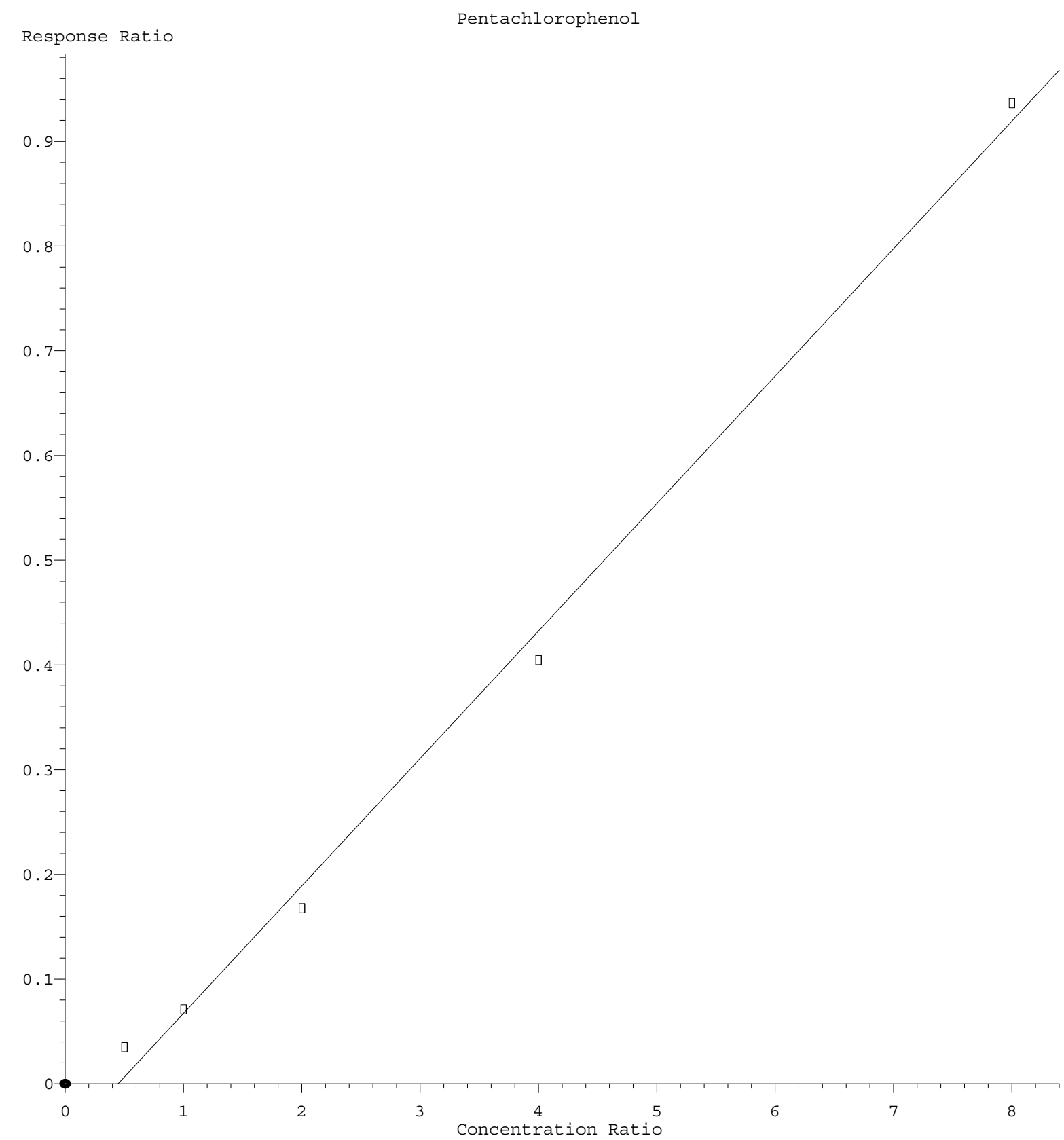
36)		Indeno(1,2,3-c...	1.438	1.392	1.386	1.534	1.782	1.862	1.932	1.618	14.48
37)		Benzo(b)fluora...	1.628	1.596	1.616	1.681	1.926	1.920	1.921	1.756	9.00
38)		Benzo(k)fluora...	1.692	1.634	1.613	1.700	1.886	1.853	1.861	1.749	6.59
39)	C	Benzo(a)pyrene	1.190	1.213	1.179	1.333	1.477	1.540	1.560	1.356	12.42
40)		Dibenzo(a,h)an...	1.126	1.102	1.120	1.261	1.455	1.496	1.542	1.300	14.89
41)		Benzo(g,h,i)pe...	1.322	1.284	1.272	1.375	1.546	1.589	1.646	1.433	10.91

(#) = Out of Range



Response = 1.217e-001 * Amt - 5.436e-002
Coef of Det (r^2) = 0.995749 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN032224.M
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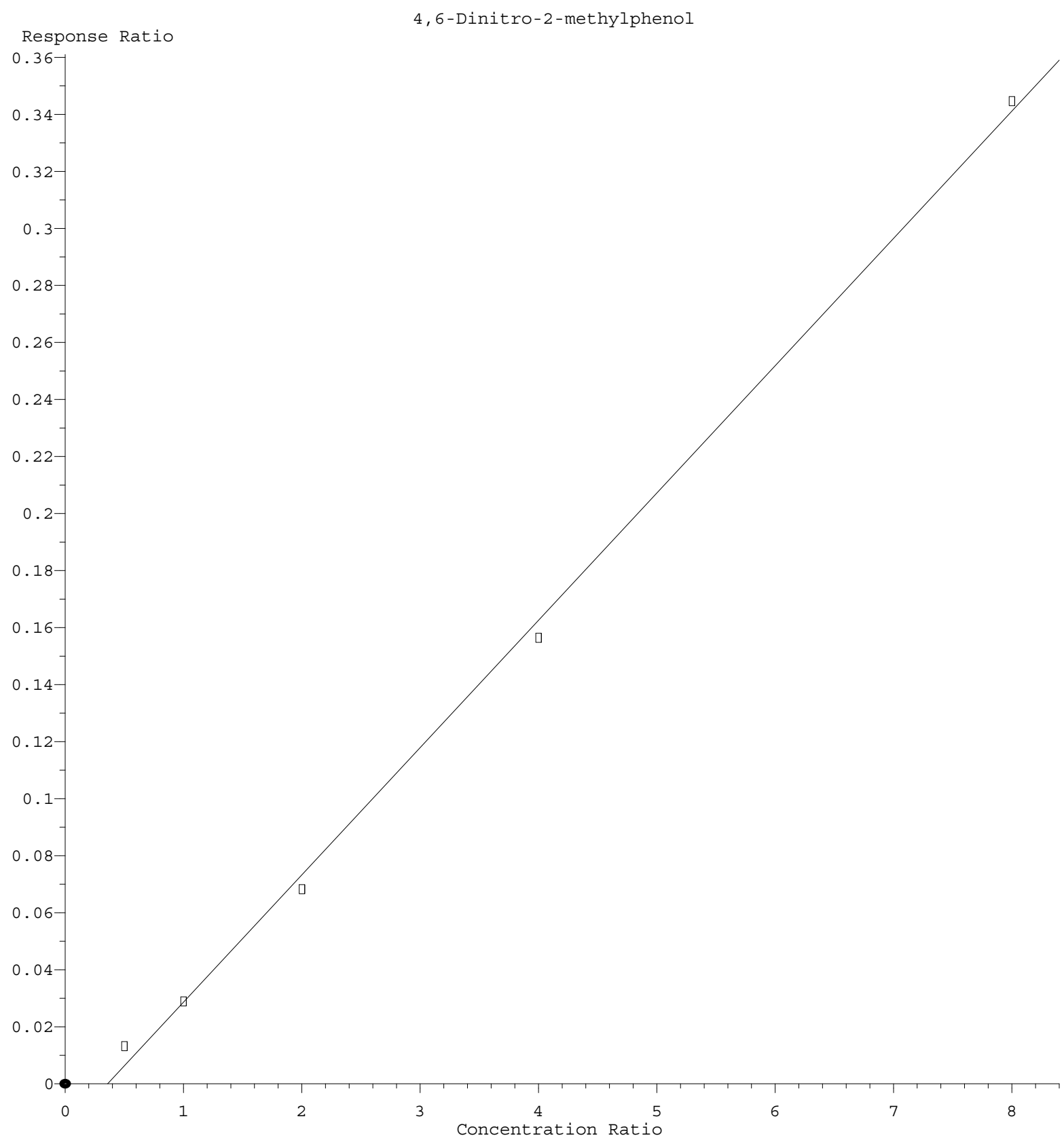

Response = 4.461e-002 * Amt - 1.601e-002
Coef of Det (r^2) = 0.998343 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN032224.M
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