

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031825\
 Data File : BF141993.D
 Acq On : 18 Mar 2025 13:31
 Operator : RC/JU
 Sample : Q1568-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03132025MSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/19/2025
 Supervised By :mohammad ahmed 03/24/2025

Quant Time: Mar 18 14:02:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	138565	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	535417	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	298567	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	470466	20.000	ng	0.00
76) Chrysene-d12	14.039	240	320562	20.000	ng	0.00
86) Perylene-d12	15.516	264	374866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1051904	126.698	ng	0.02
7) Phenol-d6	6.510	99	1186613	112.253	ng	0.00
23) Nitrobenzene-d5	7.440	82	919626	96.659	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	547526	144.553	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1947912	99.221	ng	0.00
79) Terphenyl-d14	12.986	244	1857933	85.689	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.840	88	146493	42.111	ng	# 83
3) Pyridine	3.563	79	273215	32.018	ng	97
4) n-Nitrosodimethylamine	3.487	42	164232	40.375	ng	96
6) Aniline	6.546	93	135605	13.004	ng	99
8) 2-Chlorophenol	6.669	128	403907	43.864	ng	98
9) Benzaldehyde	6.434	77	60077	10.162	ng	97
10) Phenol	6.522	94	399017	35.880	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	362129	43.366	ng	98
12) 1,3-Dichlorobenzene	6.822	146	428325	43.086	ng	99
13) 1,4-Dichlorobenzene	6.898	146	435945	43.342	ng	99
14) 1,2-Dichlorobenzene	7.051	146	417522	44.071	ng	98
15) Benzyl Alcohol	7.016	79	359681	42.088	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	400292	39.706	ng	98
17) 2-Methylphenol	7.128	107	315654	43.114	ng	99
18) Hexachloroethane	7.393	117	161459	42.807	ng	97
19) n-Nitroso-di-n-propyla...	7.293	70	275937	40.624	ng	99
20) 3+4-Methylphenols	7.281	107	394412	42.058	ng	# 83
22) Acetophenone	7.287	105	619784	48.338	ng	98
24) Nitrobenzene	7.463	77	417210	44.111	ng	98
25) Isophorone	7.698	82	758880	45.124	ng	99
26) 2-Nitrophenol	7.775	139	216360	46.608	ng	99
27) 2,4-Dimethylphenol	7.810	122	349454	54.671	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	463580	43.949	ng	99
29) 2,4-Dichlorophenol	8.016	162	355926	44.861	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	386209	44.171	ng	99
31) Naphthalene	8.181	128	1188930	43.228	ng	100
32) Benzoic acid	7.922	122	271645m	48.346	ng	
33) 4-Chloroaniline	8.228	127	52746	5.433	ng	98
34) Hexachlorobutadiene	8.298	225	257669	45.189	ng	100
35) Caprolactam	8.592	113	91819m	37.960	ng	
36) 4-Chloro-3-methylphenol	8.710	107	379366	42.865	ng	98
37) 2-Methylnaphthalene	8.875	142	784913	42.696	ng	99
38) 1-Methylnaphthalene	8.969	142	760948	42.894	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	466352	51.303	ng	99
41) Hexachlorocyclopentadiene	9.028	237	552351	155.263	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	271244	45.658	ng	99

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44) 2,4,5-Trichlorophenol	9.192	196	281314	46.754	ng	98
46) 1,1'-Biphenyl	9.334	154	1147658	50.590	ng	100
47) 2-Chloronaphthalene	9.363	162	776730	45.937	ng	99
48) 2-Nitroaniline	9.457	65	217153	44.355	ng	96
49) Acenaphthylene	9.781	152	1197410	47.721	ng	99
50) Dimethylphthalate	9.634	163	924934	44.238	ng	100
51) 2,6-Dinitrotoluene	9.698	165	198413	45.578	ng	93
52) Acenaphthene	9.951	154	893147	50.651	ng	99
53) 3-Nitroaniline	9.863	138	53697	12.160	ng	97
54) 2,4-Dinitrophenol	9.975	184	231559	92.501	ng	# 45
55) Dibenzofuran	10.122	168	1090329	43.274	ng	99
56) 4-Nitrophenol	10.022	139	263665	79.177	ng	97
57) 2,4-Dinitrotoluene	10.098	165	267316	47.015	ng	99
58) Fluorene	10.463	166	861532	44.339	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	242183	44.233	ng	98
60) Diethylphthalate	10.334	149	894203	42.892	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	454829	44.899	ng	97
62) 4-Nitroaniline	10.481	138	162752	37.858	ng	98
63) Azobenzene	10.616	77	807900	41.682	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	139678	49.802	ng	95
66) n-Nitrosodiphenylamine	10.575	169	729426	47.911	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	283205	47.932	ng	99
68) Hexachlorobenzene	11.010	284	324295	50.043	ng	98
69) Atrazine	11.098	200	264785	56.733	ng	99
70) Pentachlorophenol	11.204	266	376512	94.300	ng	100
71) Phenanthrene	11.428	178	1184936	46.630	ng	99
72) Anthracene	11.480	178	1202057	47.150	ng	100
73) Carbazole	11.633	167	944218	42.945	ng	99
74) Di-n-butylphthalate	11.963	149	1246779	42.737	ng	99
75) Fluoranthene	12.616	202	1106426	41.046	ng	99
77) Benzidine	12.733	184	68935	15.413	ng	99
78) Pyrene	12.845	202	1093026	39.418	ng	99
80) Butylbenzylphthalate	13.457	149	433069	39.902	ng	99
81) Benzo(a)anthracene	14.027	228	1010312	48.029	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	136983	22.534	ng	99
83) Chrysene	14.069	228	864000	45.312	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	624421	41.728	ng	99
85) Di-n-octyl phthalate	14.627	149	1106352	53.136	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	1247538	51.446	ng	98
88) Benzo(b)fluoranthene	15.080	252	1074570	41.826	ng	100
89) Benzo(k)fluoranthene	15.116	252	939725	42.742	ng	99
90) Benzo(a)pyrene	15.451	252	967379	48.122	ng	100
91) Dibenzo(a,h)anthracene	17.027	278	1013729	50.667	ng	99
92) Benzo(g,h,i)perylene	17.462	276	927863	46.929	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

