

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142129.D
 Acq On : 27 Mar 2025 17:16
 Operator : RC/JU
 Sample : Q1645-01MSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 27 17:50:39 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	6.869	152	162222	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	648492	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	361930	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	576240	20.000	ng	0.00
76) Chrysene-d12	14.039	240	326035	20.000	ng	0.00
86) Perylene-d12	15.510	264	340715	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1153651	118.689	ng	0.00
7) Phenol-d6	6.504	99	1447514	116.965	ng	0.00
23) Nitrobenzene-d5	7.434	82	961680	83.454	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	587579	127.969	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2020750	84.911	ng	0.00
79) Terphenyl-d14	12.980	244	1865053	84.574	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	181865	44.655	ng	99
3) Pyridine	3.499	79	495682	49.618	ng	97
4) n-Nitrosodimethylamine	3.452	42	225856	47.428	ng	96
6) Aniline	6.534	93	381661	31.262	ng	# 84
8) 2-Chlorophenol	6.657	128	573573	53.206	ng	97
9) Benzaldehyde	6.422	77	363521	52.521	ng	99
10) Phenol	6.522	94	652275	50.100	ng	93
11) bis(2-Chloroethyl)ether	6.610	93	504531	51.608	ng	97
12) 1,3-Dichlorobenzene	6.810	146	603486	51.853	ng	98
13) 1,4-Dichlorobenzene	6.887	146	607262	51.570	ng	100
14) 1,2-Dichlorobenzene	7.040	146	592711	53.439	ng	98
15) Benzyl Alcohol	7.016	79	502737	50.249	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	538164	45.597	ng	92
17) 2-Methylphenol	7.128	107	448321	52.305	ng	97
18) Hexachloroethane	7.381	117	231249	52.369	ng	97
19) n-Nitroso-di-n-propyla...	7.287	70	375356	47.202	ng	99
20) 3+4-Methylphenols	7.281	107	550044	50.101	ng	# 80
22) Acetophenone	7.281	105	752451	48.452	ng	95
24) Nitrobenzene	7.457	77	571704	49.906	ng	97
25) Isophorone	7.698	82	1062969	52.184	ng	98
26) 2-Nitrophenol	7.769	139	320683	57.036	ng	99
27) 2,4-Dimethylphenol	7.804	122	506064	65.367	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	647635	50.692	ng	99
29) 2,4-Dichlorophenol	8.010	162	503897	52.437	ng	99
30) 1,2,4-Trichlorobenzene	8.093	180	558403	52.729	ng	99
31) Naphthalene	8.175	128	1626408	48.823	ng	100
32) Benzoic acid	7.893	122	26636m	3.914	ng	
33) 4-Chloroaniline	8.222	127	177194	15.068	ng	97
34) Hexachlorobutadiene	8.293	225	376143	54.464	ng	100
35) Caprolactam	8.610	113	112171m	38.287	ng	
36) 4-Chloro-3-methylphenol	8.704	107	538089	50.197	ng	99
37) 2-Methylnaphthalene	8.869	142	1011693	45.436	ng	99
38) 1-Methylnaphthalene	8.969	142	1045551	48.661	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	588595	53.415	ng	97
41) Hexachlorocyclopentadiene	9.022	237	753113	174.634	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	378670	52.582	ng	100

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44) 2,4,5-Trichlorophenol	9.187	196	396259	54.328	ng	98
46) 1,1'-Biphenyl	9.334	154	1409943	51.271	ng	99
47) 2-Chloronaphthalene	9.357	162	1071639	52.283	ng	99
48) 2-Nitroaniline	9.451	65	303191	51.087	ng	98
49) Acenaphthylene	9.775	152	1649533	54.231	ng	99
50) Dimethylphthalate	9.634	163	1299095	51.256	ng	100
51) 2,6-Dinitrotoluene	9.698	165	275703	52.245	ng	94
52) Acenaphthene	9.945	154	1072537	50.176	ng	100
53) 3-Nitroaniline	9.863	138	152024	28.400	ng	95
54) 2,4-Dinitrophenol	9.969	184	117675	42.596	ng #	52
55) Dibenzofuran	10.116	168	1490788	48.809	ng	99
56) 4-Nitrophenol	10.028	139	377218	93.445	ng	97
57) 2,4-Dinitrotoluene	10.104	165	382385	55.479	ng	99
58) Fluorene	10.463	166	1166359	49.519	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.234	232	301915	45.489	ng	97
60) Diethylphthalate	10.334	149	1248905	49.418	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	627983	51.139	ng	98
62) 4-Nitroaniline	10.481	138	262986	50.464	ng	98
63) Azobenzene	10.610	77	1175735	50.040	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	131978	38.419	ng	94
66) n-Nitrosodiphenylamine	10.575	169	1020279	54.714	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	404239	55.858	ng	99
68) Hexachlorobenzene	11.010	284	461911	58.195	ng	94
69) Atrazine	11.098	200	338257	59.172	ng	98
70) Pentachlorophenol	11.204	266	304387	62.242	ng	100
71) Phenanthrene	11.422	178	1612537	51.809	ng	99
72) Anthracene	11.475	178	1630595	52.219	ng	100
73) Carbazole	11.628	167	1326668	49.264	ng	99
74) Di-n-butylphthalate	11.957	149	1711680	47.902	ng	100
75) Fluoranthene	12.610	202	1470247	44.531	ng	99
77) Benzidine	12.733	184	311134	68.399	ng	98
78) Pyrene	12.839	202	1421167	50.392	ng	100
80) Butylbenzylphthalate	13.457	149	543895	49.273	ng	97
81) Benzo(a)anthracene	14.027	228	1115577	52.143	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	96301	15.576	ng	99
83) Chrysene	14.063	228	1017036	52.442	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	748331	49.169	ng	99
85) Di-n-octyl phthalate	14.627	149	1228894	58.031	ng	97
87) Indeno(1,2,3-cd)pyrene	17.010	276	1273840	57.796	ng	98
88) Benzo(b)fluoranthene	15.080	252	1035171	44.331	ng	99
89) Benzo(k)fluoranthene	15.110	252	1060006	53.045	ng	99
90) Benzo(a)pyrene	15.451	252	1013722	55.481	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	1048657	57.666	ng	98
92) Benzo(g,h,i)perylene	17.462	276	972490	54.116	ng	97

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

