

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143706.D
 Acq On : 11 Sep 2025 15:02
 Operator : RC/JU
 Sample : Q3048-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

Quant Time: Sep 11 15:24:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	40932	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	152951	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	84354	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	123003	20.000	ng	0.01
76) Chrysene-d12	14.069	240	98428	20.000	ng	0.02
86) Perylene-d12	15.545	264	109093	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	232370	96.857	ng	0.01
7) Phenol-d6	6.516	99	288251	98.677	ng	0.01
23) Nitrobenzene-d5	7.457	82	173424	70.526	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	82379	96.905	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	374335	67.036	ng	0.00
79) Terphenyl-d14	13.004	244	315496	51.943	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	42816	40.009	ng	98
3) Pyridine	3.493	79	108191	39.136	ng	98
4) n-Nitrosodimethylamine	3.440	42	48815	46.486	ng	94
6) Aniline	6.557	93	94871m	24.521	ng	
8) 2-Chlorophenol	6.675	128	114735	44.280	ng	97
9) Benzaldehyde	6.445	77	75175	31.896	ng	99
10) Phenol	6.528	94	144044	44.609	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	102962	42.694	ng	98
12) 1,3-Dichlorobenzene	6.834	146	132629	44.756	ng	100
13) 1,4-Dichlorobenzene	6.910	146	134060	44.820	ng	100
14) 1,2-Dichlorobenzene	7.063	146	125513	44.437	ng	99
15) Benzyl Alcohol	7.034	79	98987	46.585	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	132267	41.921	ng	97
17) 2-Methylphenol	7.140	107	94465	45.321	ng	99
18) Hexachloroethane	7.410	117	41354	42.800	ng	93
19) n-Nitroso-di-n-propyla...	7.304	70	80418	44.825	ng	98
20) 3+4-Methylphenols	7.292	107	123838	45.117	ng	91
22) Acetophenone	7.304	105	178019	51.534	ng	99
24) Nitrobenzene	7.475	77	114851	45.045	ng	98
25) Isophorone	7.716	82	215484	45.700	ng	100
26) 2-Nitrophenol	7.787	139	62520	49.871	ng	99
27) 2,4-Dimethylphenol	7.822	122	112147	49.832	ng	98
28) bis(2-Chloroethoxy)met...	7.922	93	132440	45.705	ng	99
29) 2,4-Dichlorophenol	8.028	162	103448	45.696	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	111056	47.352	ng	100
31) Naphthalene	8.198	128	342848	45.281	ng	98
32) Benzoic acid	7.939	122	79962	58.238	ng	97
33) 4-Chloroaniline	8.239	127	31718	12.033	ng	97
34) Hexachlorobutadiene	8.316	225	68312	44.656	ng	100
35) Caprolactam	8.616	113	30013	49.812	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	101941	45.669	ng	95
37) 2-Methylnaphthalene	8.886	142	214084	41.305	ng	99
38) 1-Methylnaphthalene	8.986	142	215674	43.360	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	122724	50.819	ng	99
41) Hexachlorocyclopentadiene	9.045	237	102559	82.722	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	77053	47.783	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	76645	46.754	ng	98
46) 1,1'-Biphenyl	9.351	154	316018	52.038	ng	100
47) 2-Chloronaphthalene	9.381	162	218695	45.936	ng	100
48) 2-Nitroaniline	9.469	65	61866	49.104	ng	96
49) Acenaphthylene	9.798	152	372546	54.629	ng	99
50) Dimethylphthalate	9.657	163	260760	47.512	ng	99
51) 2,6-Dinitrotoluene	9.716	165	54086	51.542	ng	95
52) Acenaphthene	9.969	154	225636	48.015	ng	98
53) 3-Nitroaniline	9.881	138	34374	30.439	ng	98
54) 2,4-Dinitrophenol	9.986	184	48843	86.064	ng	# 51
55) Dibenzofuran	10.139	168	306691	45.386	ng	99
56) 4-Nitrophenol	10.033	139	78803	87.713	ng	98
57) 2,4-Dinitrotoluene	10.116	165	71850	50.309	ng	97
58) Fluorene	10.481	166	242974	45.934	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	62996	47.392	ng	99
60) Diethylphthalate	10.357	149	242517	47.067	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	120555	44.939	ng	99
62) 4-Nitroaniline	10.498	138	45245	42.303	ng	98
63) Azobenzene	10.633	77	225836	49.578	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	32370	51.688	ng	99
66) n-Nitrosodiphenylamine	10.592	169	203283	50.448	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	73349	49.450	ng	98
68) Hexachlorobenzene	11.028	284	72735	46.440	ng	96
69) Atrazine	11.122	200	61725	48.854	ng	98
70) Pentachlorophenol	11.222	266	105195	111.108	ng	98
71) Phenanthrene	11.445	178	342150	50.485	ng	99
72) Anthracene	11.498	178	347556	51.002	ng	100
73) Carbazole	11.651	167	256850	46.023	ng	100
74) Di-n-butylphthalate	11.980	149	338521	50.382	ng	100
75) Fluoranthene	12.633	202	419338	67.400	ng	99
77) Benzidine	12.757	184	69721	21.722	ng	100
78) Pyrene	12.869	202	456732	58.037	ng	99
80) Butylbenzylphthalate	13.480	149	115677	46.914	ng	99
81) Benzo(a)anthracene	14.057	228	434757	68.657	ng	98
82) 3,3'-Dichlorobenzidine	14.016	252	50341	25.841	ng	99
83) Chrysene	14.092	228	376163	64.861	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	163932	46.596	ng	99
85) Di-n-octyl phthalate	14.657	149	291005	46.158	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.045	276	248572	33.386	ng	100
88) Benzo(b)fluoranthene	15.116	252	507892	78.208	ng	98
89) Benzo(k)fluoranthene	15.145	252	302198	51.561	ng	99
90) Benzo(a)pyrene	15.486	252	379295	66.482	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	178125	28.836	ng	99
92) Benzo(g,h,i)perylene	17.498	276	187965	32.532	ng	99

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

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