

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050423.D
 Acq On : 14 Jul 2025 12:51
 Operator : RC/JU
 Sample : Q2126-03
 Misc : MDL-MDL-SOIL-8 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Quant Time: Jul 14 13:38:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	355437	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1315090	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	838290	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1622704	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1764203	20.000	ng	-0.01
86) Perylene-d12	24.474	264	1832536	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2994438	145.015	ng	0.00
7) Phenol-d6	7.022	99	3854616	148.081	ng	0.00
23) Nitrobenzene-d5	9.016	82	2393595	92.858	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1598649	156.956	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6182070	91.072	ng	0.00
79) Terphenyl-d14	19.833	244	10323244	102.955	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.340	88	75618	8.906	ng	99
3) Pyridine	3.740	79	186728	8.377	ng	96
4) n-Nitrosodimethylamine	3.646	42	91483	8.803	ng	# 98
6) Aniline	7.186	93	284661	8.521	ng	99
8) 2-Chlorophenol	7.428	128	194532	8.934	ng	97
9) Benzaldehyde	6.998	77	163303m	10.546	ng	
10) Phenol	7.045	94	239986	8.839	ng	94
11) bis(2-Chloroethyl)ether	7.281	93	184582	8.489	ng	100
12) 1,3-Dichlorobenzene	7.757	146	228498	8.631	ng	95
13) 1,4-Dichlorobenzene	7.898	146	231274	8.555	ng	99
14) 1,2-Dichlorobenzene	8.216	146	220483	8.519	ng	98
15) Benzyl Alcohol	8.098	79	152399	8.309	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.386	45	270232	8.438	ng	97
17) 2-Methylphenol	8.298	107	144357	8.198	ng	97
18) Hexachloroethane	8.951	117	78043	8.208	ng	98
19) n-Nitroso-di-n-propyla...	8.663	70	131119	8.315	ng	99
20) 3+4-Methylphenols	8.622	107	189178	8.003	ng	98
22) Acetophenone	8.681	105	284799	8.662	ng	# 98
24) Nitrobenzene	9.057	77	214495	9.325	ng	99
25) Isophorone	9.586	82	346987	8.296	ng	100
26) 2-Nitrophenol	9.769	139	71207	7.596	ng	98
27) 2,4-Dimethylphenol	9.828	122	159601	8.001	ng	96
28) bis(2-Chloroethoxy)met...	10.063	93	232503	8.389	ng	97
29) 2,4-Dichlorophenol	10.298	162	167330	8.165	ng	99
30) 1,2,4-Trichlorobenzene	10.522	180	205460	8.380	ng	99
31) Naphthalene	10.710	128	573822	8.591	ng	98
32) Benzoic acid	9.886	122	63290	10.500	ng	99
33) 4-Chloroaniline	10.810	127	231800	8.208	ng	98
34) Hexachlorobutadiene	11.004	225	122214	8.167	ng	98
35) Caprolactam	11.563	113	41880	7.486	ng	90
36) 4-Chloro-3-methylphenol	11.927	107	150563	7.867	ng	99
37) 2-Methylnaphthalene	12.316	142	351621	8.337	ng	99
38) 1-Methylnaphthalene	12.533	142	371280	8.318	ng	99
40) 1,2,4,5-Tetrachloroben...	12.686	216	217248	8.149	ng	99
41) Hexachlorocyclopentadiene	12.668	237	111217	6.527	ng	98
43) 2,4,6-Trichlorophenol	12.921	196	126692	7.721	ng	94

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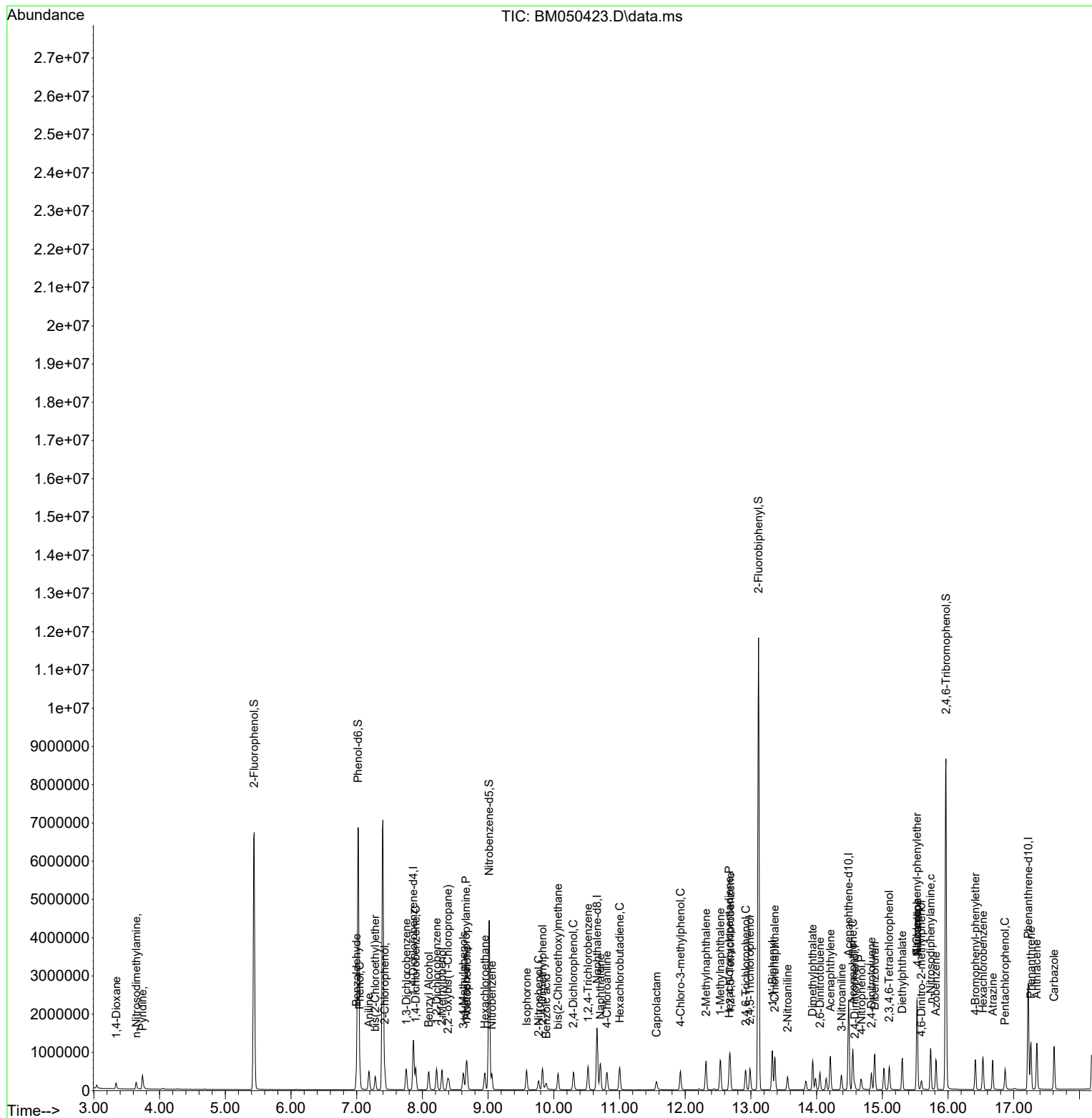
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	139817	7.802	ng	97
46) 1,1'-Biphenyl	13.327	154	539784	8.679	ng	99
47) 2-Chloronaphthalene	13.363	162	424966	8.570	ng	99
48) 2-Nitroaniline	13.557	65	82092	7.417	ng	99
49) Acenaphthylene	14.210	152	623574	8.321	ng	99
50) Dimethylphthalate	13.939	163	490607	8.501	ng	100
51) 2,6-Dinitrotoluene	14.051	165	86117	7.771	ng	87
52) Acenaphthene	14.551	154	397670	8.346	ng	97
53) 3-Nitroaniline	14.380	138	87901	7.459	ng	# 95
54) 2,4-Dinitrophenol	14.580	184	29019	10.773	ng	# 92
55) Dibenzofuran	14.886	168	634105	8.638	ng	99
56) 4-Nitrophenol	14.680	139	71657	7.071	ng	97
57) 2,4-Dinitrotoluene	14.833	165	108716	8.906	ng	91
58) Fluorene	15.527	166	500178	8.272	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.104	232	119732	7.937	ng	96
60) Diethylphthalate	15.304	149	455475	8.262	ng	98
61) 4-Chlorophenyl-phenyle...	15.527	204	251701	7.961	ng	96
62) 4-Nitroaniline	15.533	138	86054	8.596	ng	84
63) Azobenzene	15.815	77	410740	8.114	ng	96
65) 4,6-Dinitro-2-methylph...	15.592	198	46050	10.887	ng	96
66) n-Nitrosodiphenylamine	15.733	169	415654	8.186	ng	96
67) 4-Bromophenyl-phenylether	16.415	248	139086	7.780	ng	90
68) Hexachlorobenzene	16.533	284	173149	8.200	ng	98
69) Atrazine	16.680	200	133271	7.993	ng	98
70) Pentachlorophenol	16.868	266	93841	7.139	ng	97
71) Phenanthrene	17.262	178	774628	8.436	ng	99
72) Anthracene	17.351	178	746468	8.167	ng	100
73) Carbazole	17.615	167	697084	8.429	ng	99
74) Di-n-butylphthalate	18.186	149	693632	7.663	ng	99
75) Fluoranthene	19.268	202	808369	8.098	ng	99
77) Benzidine	19.445	184	365271	8.117	ng	99
78) Pyrene	19.627	202	874716	7.742	ng	99
80) Butylbenzylphthalate	20.527	149	283678	7.614	ng	99
81) Benzo(a)anthracene	21.427	228	932515	8.112	ng	98
82) 3,3'-Dichlorobenzidine	21.344	252	285286	7.359	ng	99
83) Chrysene	21.486	228	889573	8.205	ng	99
84) Bis(2-ethylhexyl)phtha...	21.356	149	464190	7.849	ng	99
85) Di-n-octyl phthalate	22.503	149	703104	7.590	ng	98
87) Indeno(1,2,3-cd)pyrene	27.897	276	1059265	8.130	ng	99
88) Benzo(b)fluoranthene	23.515	252	876928	7.780	ng	100
89) Benzo(k)fluoranthene	23.580	252	915657	7.829	ng	98
90) Benzo(a)pyrene	24.327	252	818163	7.754	ng	99
91) Dibenzo(a,h)anthracene	27.962	278	888785	8.100	ng	99
92) Benzo(g,h,i)perylene	28.956	276	859446	8.287	ng	99

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

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