

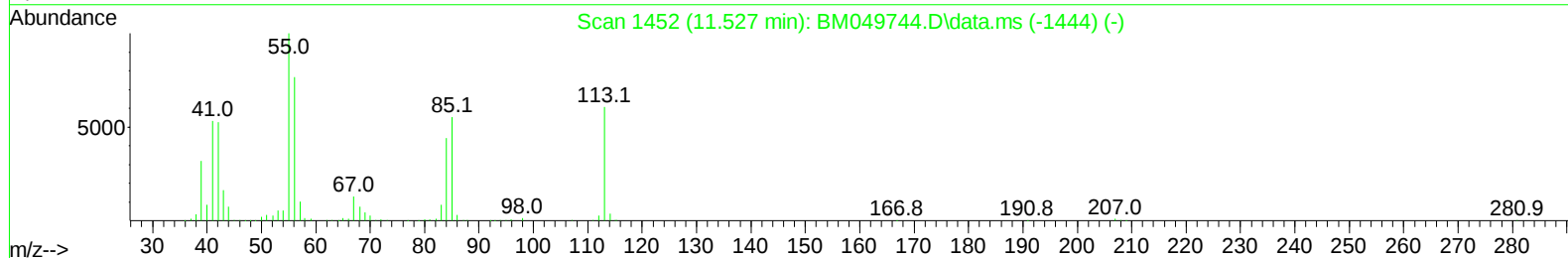
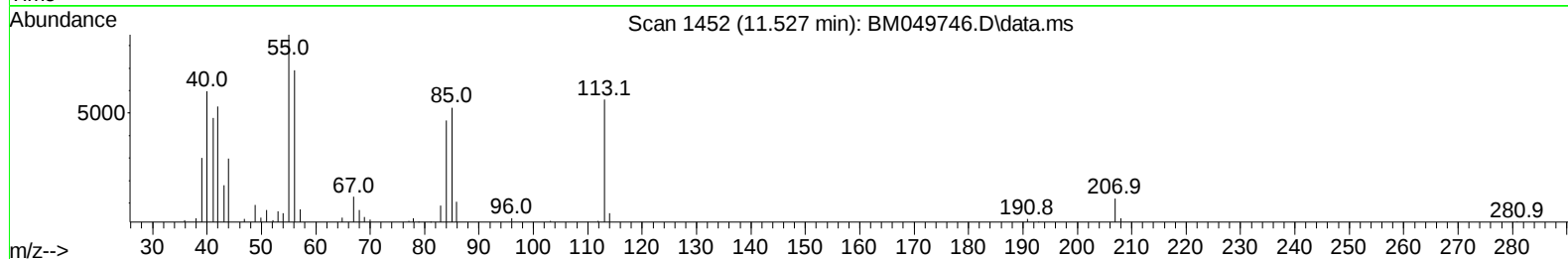
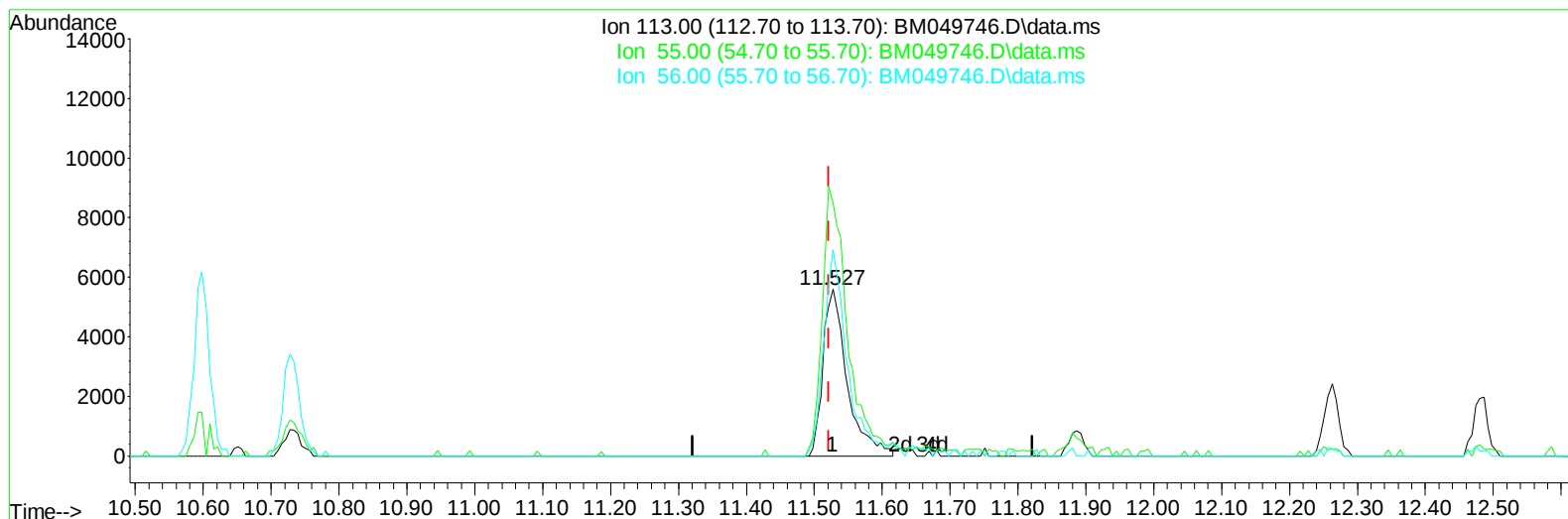
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032425\
Data File : BM049746.D
Acq On : 24 Mar 2025 11:41
Operator : RC/JU
Sample : Q1546-04
Misc : MDL-SOIL 4 ppm
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2025-02

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 03/24/2025
Supervised By :Jagrut Upadhyay 03/25/2025

Quant Time: Mar 24 13:58:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM032125.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 21 16:26:37 2025
Response via : Initial Calibration



TIC: BM049746.D\data.ms

(34) Caprolactam

11.527min (+ 0.006) 3.87 ng/ul

response 13824

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	170.10	151.51
56.00	120.80	123.49
0.00	0.00	0.00

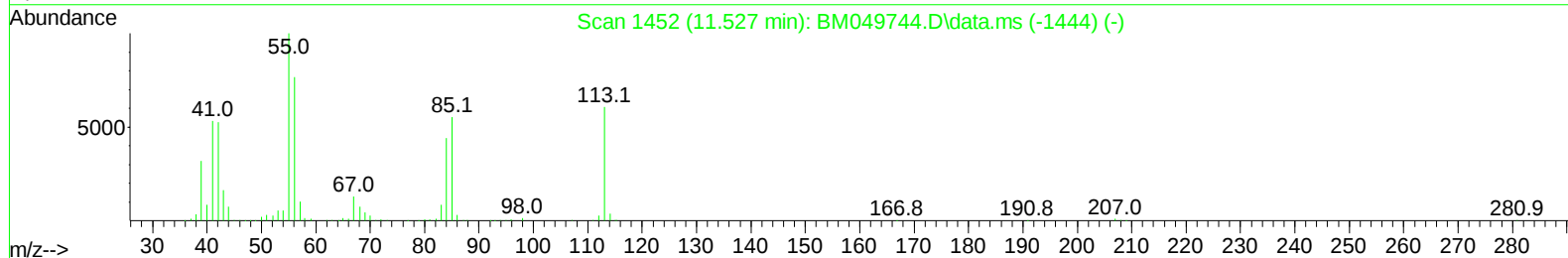
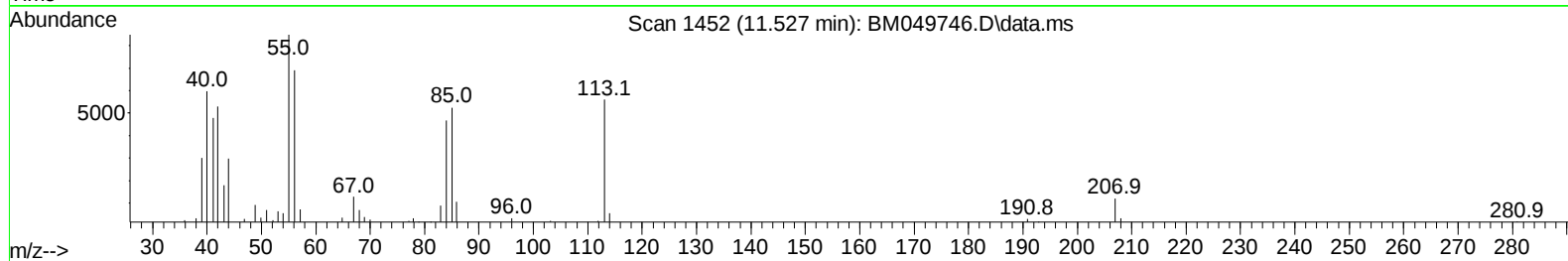
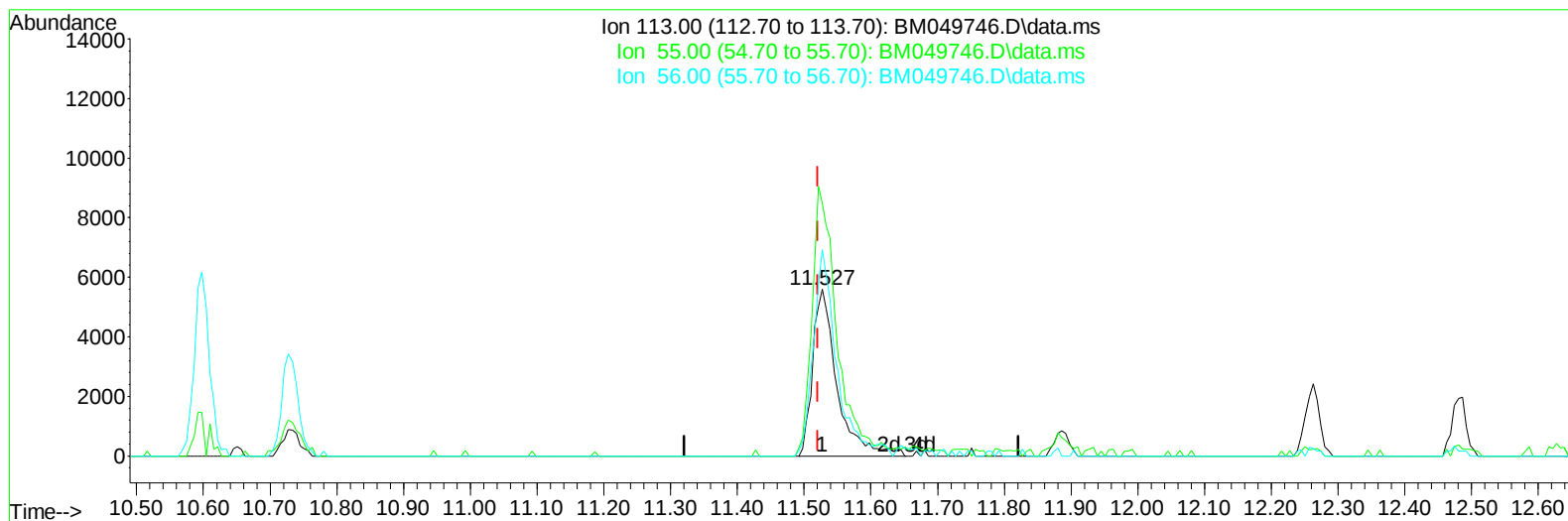
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TIC: BM049746.D\data.ms

(34) Caprolactam

11.527min (+ 0.006) 3.98 ng/ul m

response 14222

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	170.10	151.51
56.00	120.80	123.49
0.00	0.00	0.00

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 QLast Update : Fri Mar 21 16:26:37 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	242391	20.00	ng/ul	0.00
20) Naphthalene-d8	10.598	136	836766	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.445	164	529694	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.186	188	1041612	20.00	ng/ul	0.00
79) Chrysene-d12	21.421	240	906894	20.00	ng/ul	0.00
88) Perylene-d12	24.432	264	900416	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.251	96	26601	4.26	ng/uL	0.00
4) Pyridine-d5	3.663	84	433834	23.79	ng/ul	0.00
7) Phenol-d5	6.975	99	459581	25.24	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.134	67	315484	26.62	ng/ul	0.00
11) 2-Chlorophenol-d4	7.339	132	370477	26.68	ng/ul	0.00
15) 4-Methylphenol-d8	8.510	113	320161	23.89	ng/ul	0.00
21) Nitrobenzene-d5	8.957	128	164212	26.63	ng/ul	0.00
24) 2-Nitrophenol-d4	9.680	143	167260	26.80	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.222	165	355064	25.11	ng/ul	0.00
31) 4-Chloroaniline-d4	10.733	131	445335	24.90	ng/ul	0.00
46) Dimethylphthalate-d6	13.851	166	1010943	27.22	ng/ul	0.00
49) Acenaphthylene-d8	14.133	160	1217975	27.03	ng/ul	0.00
54) 4-Nitrophenol-d4	14.639	143	140188	22.17	ng/ul	0.00
60) Fluorene-d10	15.433	176	919910	27.53	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	111219	18.70	ng/ul	0.00
73) Anthracene-d10	17.280	188	1326909	25.44	ng/ul	0.00
81) Pyrene-d10	19.574	212	1537695	29.74	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.227	264	1347248	28.26	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.287	88	9372	1.43	ng/uL	96
5) Pyridine	3.687	79	82177	4.49	ng/ul#	78
6) Benzaldehyde	6.945	77	51774	5.14	ng/ul	97
8) Phenol	6.998	94	85362	4.50	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.228	93	70149	4.55	ng/ul	94
12) 2-Chlorophenol	7.369	128	67932	4.63	ng/ul	97
13) 2-Methylphenol	8.251	108	49602	3.76	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.328	45	91646	4.82	ng/ul	100
16) Acetophenone	8.622	105	100952	4.51	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.610	70	47095	4.37	ng/ul	98
18) 4-Methylphenol	8.575	108	58694	4.11	ng/ul	96
19) Hexachloroethane	8.886	117	31061	4.70	ng/ul	97
22) Nitrobenzene	8.998	77	76203	4.73	ng/ul	99
23) Isophorone	9.528	82	115389	4.20	ng/ul	99
25) 2-Nitrophenol	9.710	139	32156	4.50	ng/ul	96
26) 2,4-Dimethylphenol	9.775	107	27710	2.07	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.010	93	82121	4.56	ng/ul	99
29) 2,4-Dichlorophenol	10.245	162	64265	4.49	ng/ul	95
30) Naphthalene	10.651	128	199321	4.59	ng/ul	99
32) 4-Chloroaniline	10.751	127	76801	4.44	ng/ul	98
33) Hexachlorobutadiene	10.939	225	50854	4.56	ng/ul	98
34) Caprolactam	11.527	113	14222m	3.98	ng/ul	
35) 4-Chloro-3-methylphenol	11.886	107	43129	3.79	ng/ul	98

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 Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.263	142	132367	4.39	ng/ul	97
37) 1-Methylnaphthalene	12.480	142	123315	4.15	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.633	216	89315	4.40	ng/ul	99
40) Hexachlorocyclopentadiene	12.621	237	43350	3.61	ng/ul	94
41) 2,4,6-Trichlorophenol	12.874	196	38630	3.60	ng/ul	95
42) 2,4,5-Trichlorophenol	12.945	196	44994	3.88	ng/ul	99
43) 1,1'-Biphenyl	13.274	154	181242	4.52	ng/ul	99
44) 2-Chloronaphthalene	13.316	162	149326	4.59	ng/ul	99
45) 2-Nitroaniline	13.515	65	26512	3.82	ng/ul	92
47) Dimethylphthalate	13.898	163	171463	4.65	ng/ul	98
48) 2,6-Dinitrotoluene	14.010	165	23860	3.72	ng/ul#	91
50) Acenaphthylene	14.163	152	212192	4.61	ng/ul	99
51) 3-Nitroaniline	14.339	138	21143	3.19	ng/ul#	98
52) Acenaphthene	14.504	153	145865	4.37	ng/ul	98
53) 2,4-Dinitrophenol	14.545	184	13681	3.60	ng/ul	97
55) 4-Nitrophenol	14.651	109	20750	4.13	ng/ul	95
56) Dibenzofuran	14.839	168	220410	4.69	ng/ul	100
57) 2,4-Dinitrotoluene	14.798	165	35510	3.79	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.068	232	32190	3.61	ng/ul	95
59) Diethylphthalate	15.262	149	150040	4.37	ng/ul	97
61) Fluorene	15.492	166	172583	4.36	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.486	204	92027	4.26	ng/ul	95
63) 4-Nitroaniline	15.498	138	20424	3.27	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.557	198	27343	4.08	ng/ul#	83
67) N-Nitrosodiphenylamine	15.698	169	131794	4.21	ng/ul	98
68) 4-Bromophenyl-phenylether	16.380	248	49402	4.11	ng/ul	95
69) Hexachlorobenzene	16.492	284	60593	4.37	ng/ul	99
70) Atrazine	16.651	200	47361	4.12	ng/ul	98
71) Pentachlorophenol	16.839	266	28487	3.38	ng/ul	99
72) Phenanthrene	17.227	178	262058	4.41	ng/ul	99
74) Anthracene	17.315	178	250292	4.20	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.239	216	81024	4.12	ng/uL	98
76) Pentachlorobenzene	14.762	250	76147	4.11	ng/uL	96
77) Carbazole	17.586	167	203080	3.83	ng/ul	99
78) Di-n-butylphthalate	18.156	149	204980	3.75	ng/ul	98
80) Fluoranthene	19.239	202	270901	4.55	ng/ul	99
82) Pyrene	19.603	202	304740	4.72	ng/ul	99
83) Butylbenzylphthalate	20.509	149	69378	3.72	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.327	252	49830	2.72	ng/ul#	96
85) Benzo(a)anthracene	21.403	228	277815	4.45	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.339	149	100486	3.43	ng/ul	99
87) Chrysene	21.468	228	255501	4.40	ng/ul	100
89) Di-n-octyl phthalate	22.480	149	139920	2.75	ng/ul	100
90) Benzo(b)fluoranthene	23.480	252	247604	4.23	ng/ul	99
91) Benzo(k)fluoranthene	23.544	252	247391	4.10	ng/ul	99
93) Benzo(a)pyrene	24.291	252	222757	4.11	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.820	276	283967	4.20	ng/ul	98
95) Dibenzo(a,h)anthracene	27.885	278	229908	4.17	ng/ul	95
96) Benzo(g,h,i)perylene	28.873	276	227118	4.37	ng/ul	98

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

