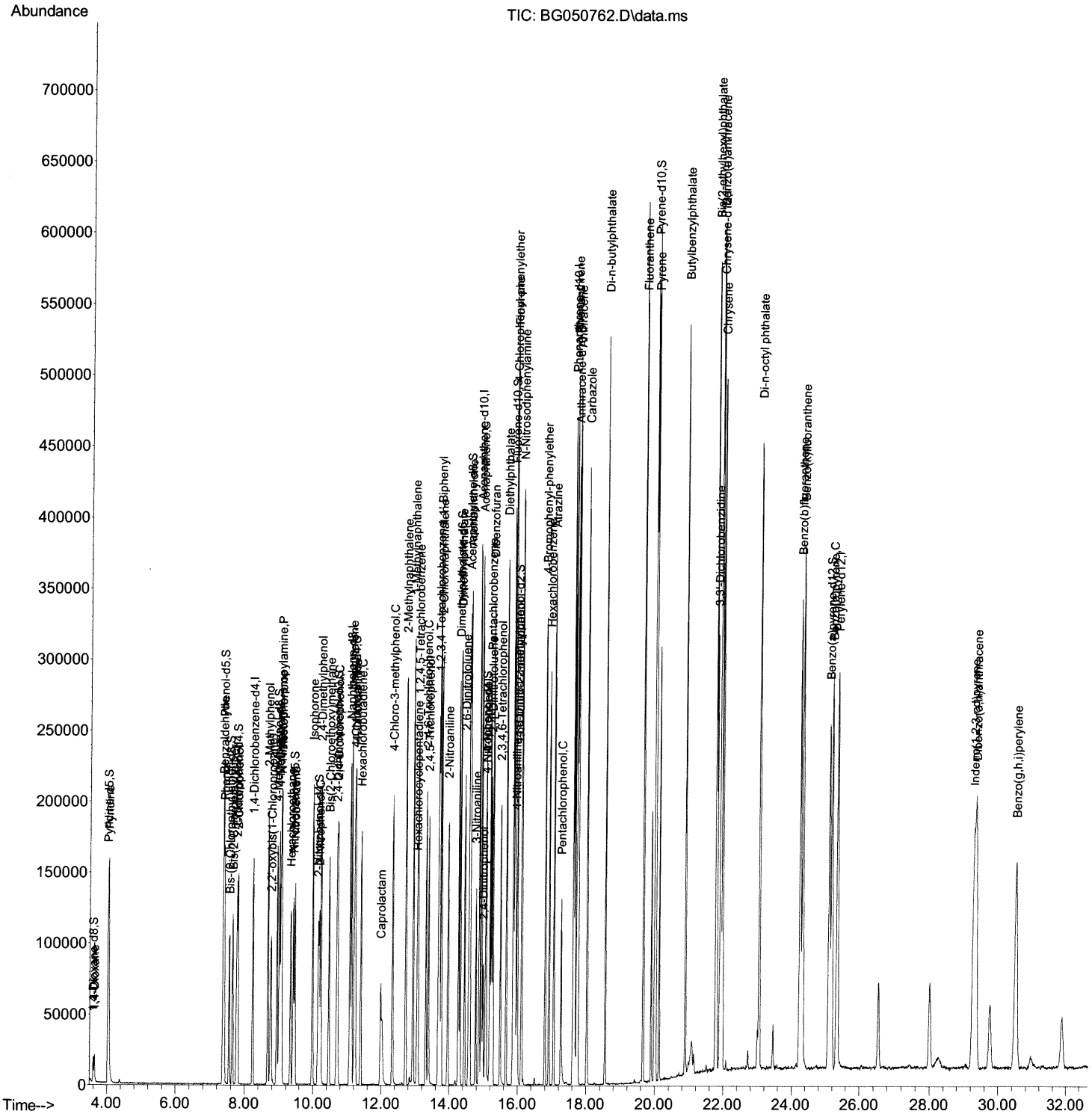
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050762.D
Acq On : 28 Oct 2021 4:45
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 28 05:51:51 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 26 18:31:25 2021
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTDCCC020

Manual Integrations APPROVED
mohammad
10/28/2021 11:15:47 AM



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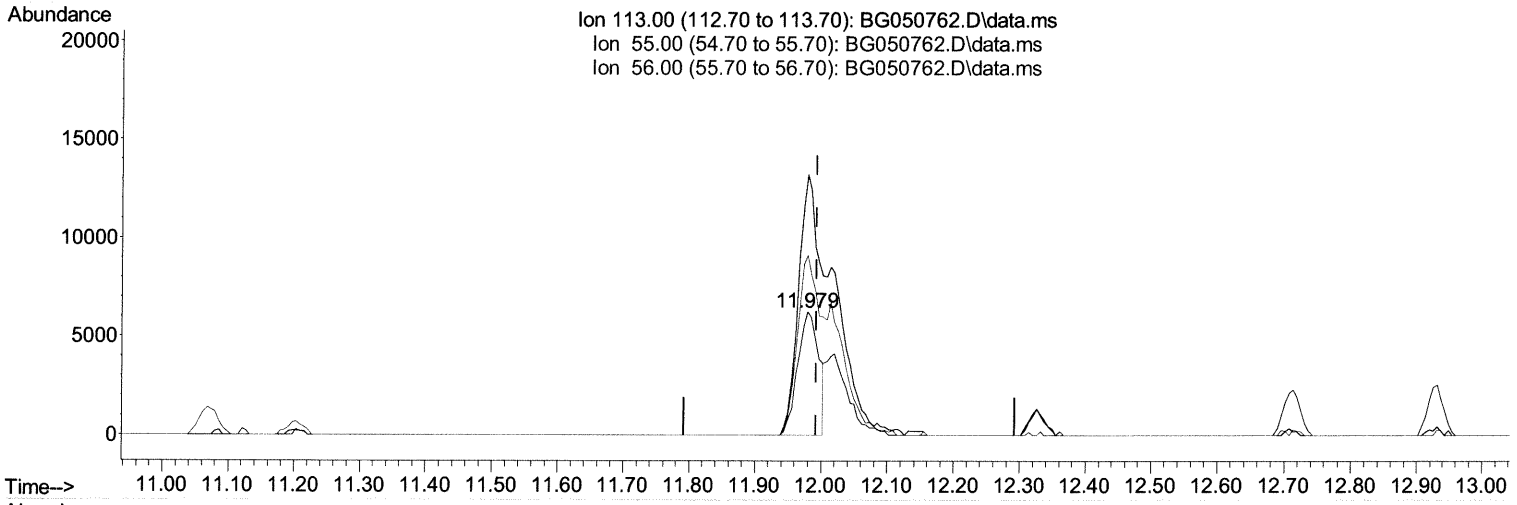

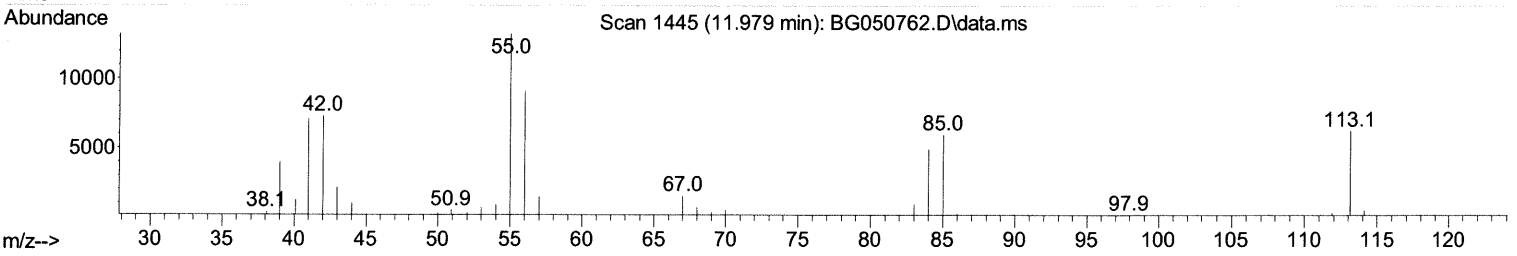

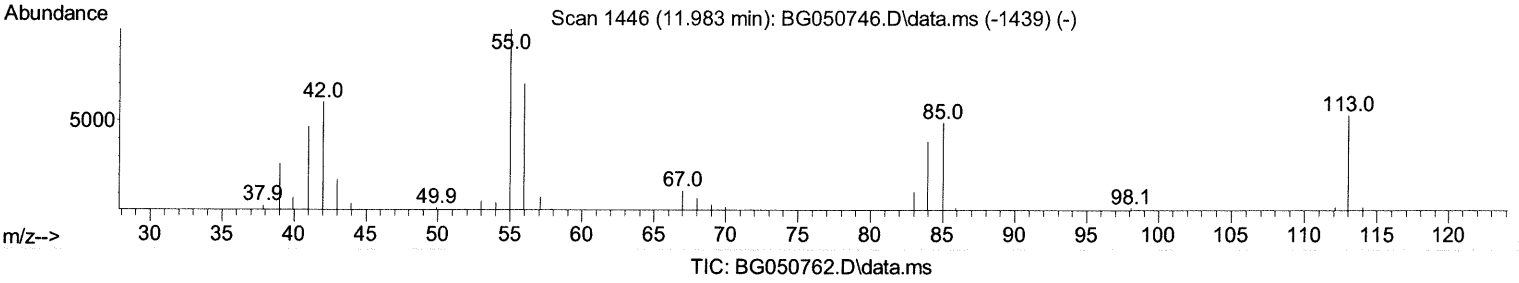

TIC: BG050762.D\data.ms

(34) Caprolactam

11.979min (-0.014) 11.94 ng/ul

response 13935

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	180.10	211.52
56.00	132.30	145.99
0.00	0.00	0.00

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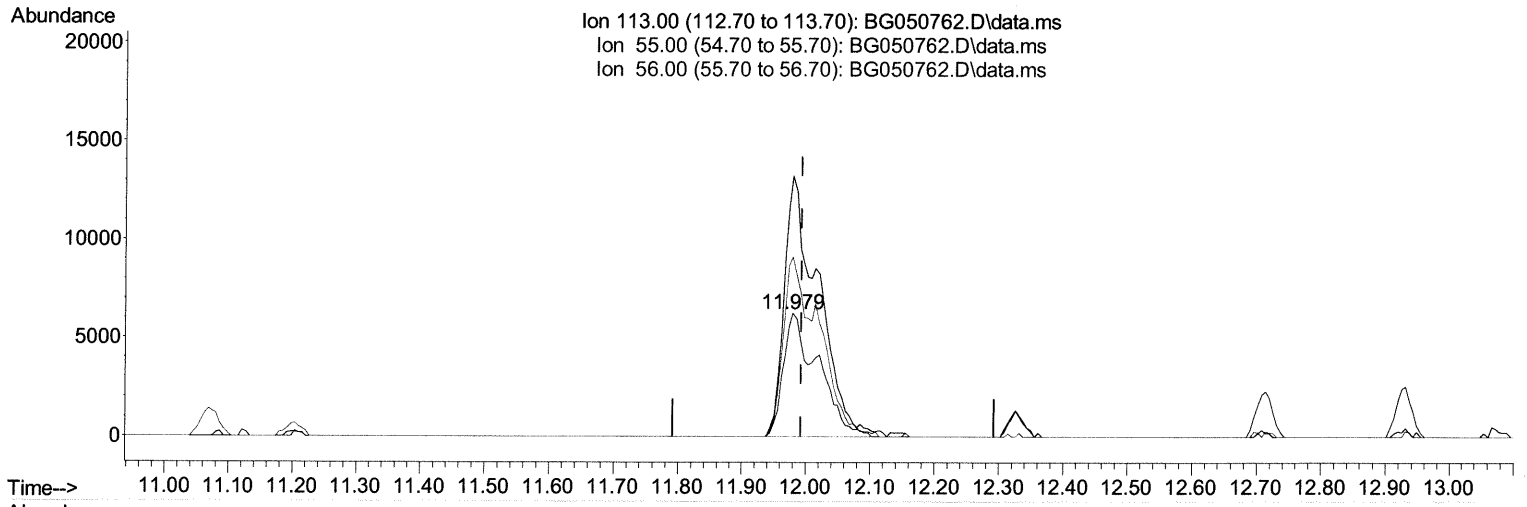

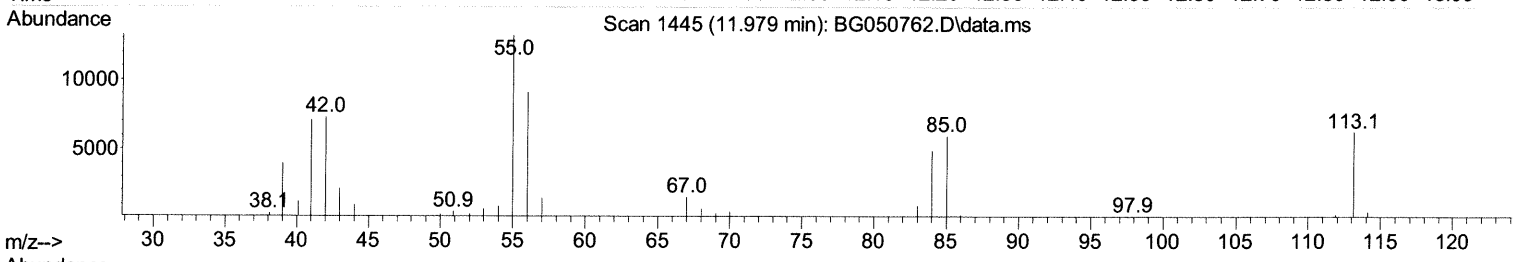

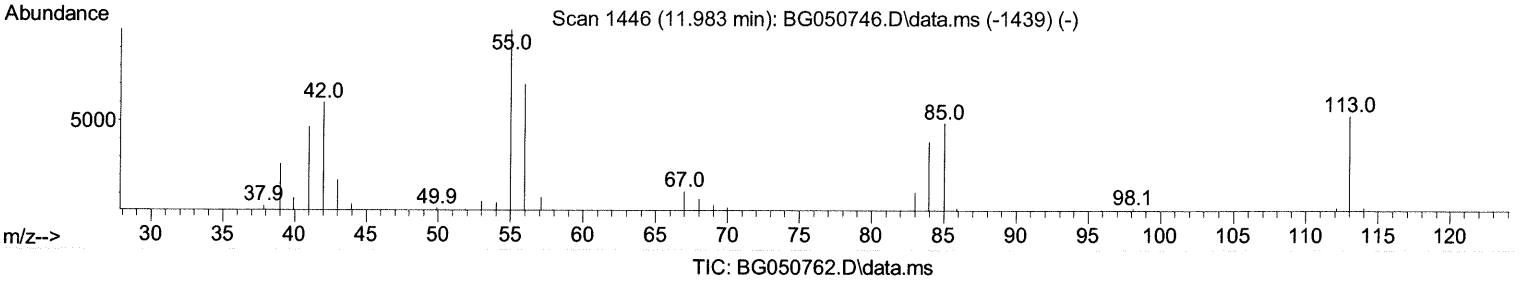

TIC: BG050762.D\data.ms

(34) Caprolactam

11.979min (-0.014) 20.10 ng/ul m 10/30/21 JU

response 23460

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	180.10	211.52
56.00	132.30	145.99
0.00	0.00	0.00

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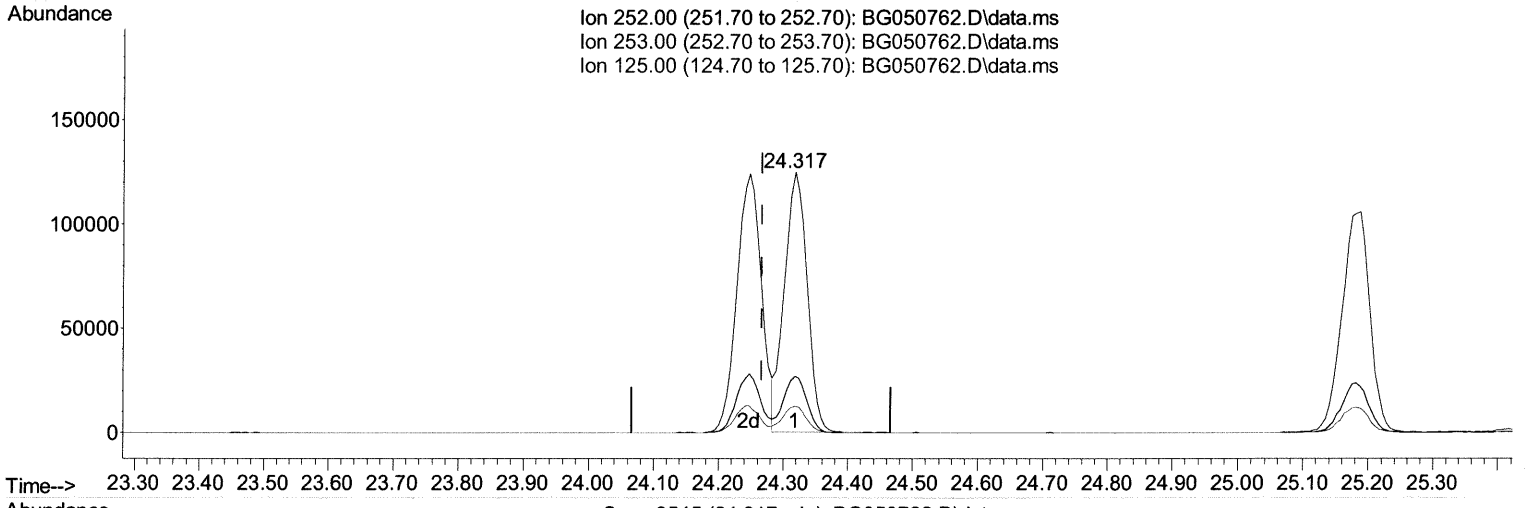

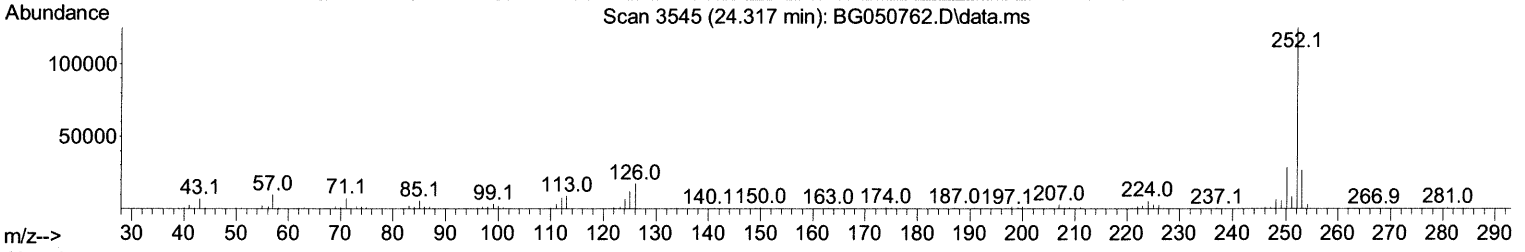

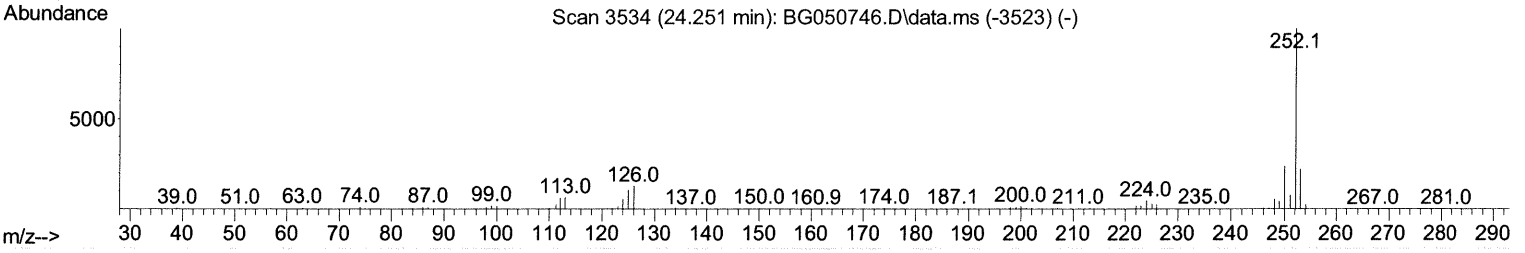

TIC: BG050762.D\data.ms

(90) Benzo(b)fluoranthene

24.317min (+ 0.051) 19.52 ng/ul

response 306183

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	21.54
125.00	8.40	10.06
0.00	0.00	0.00

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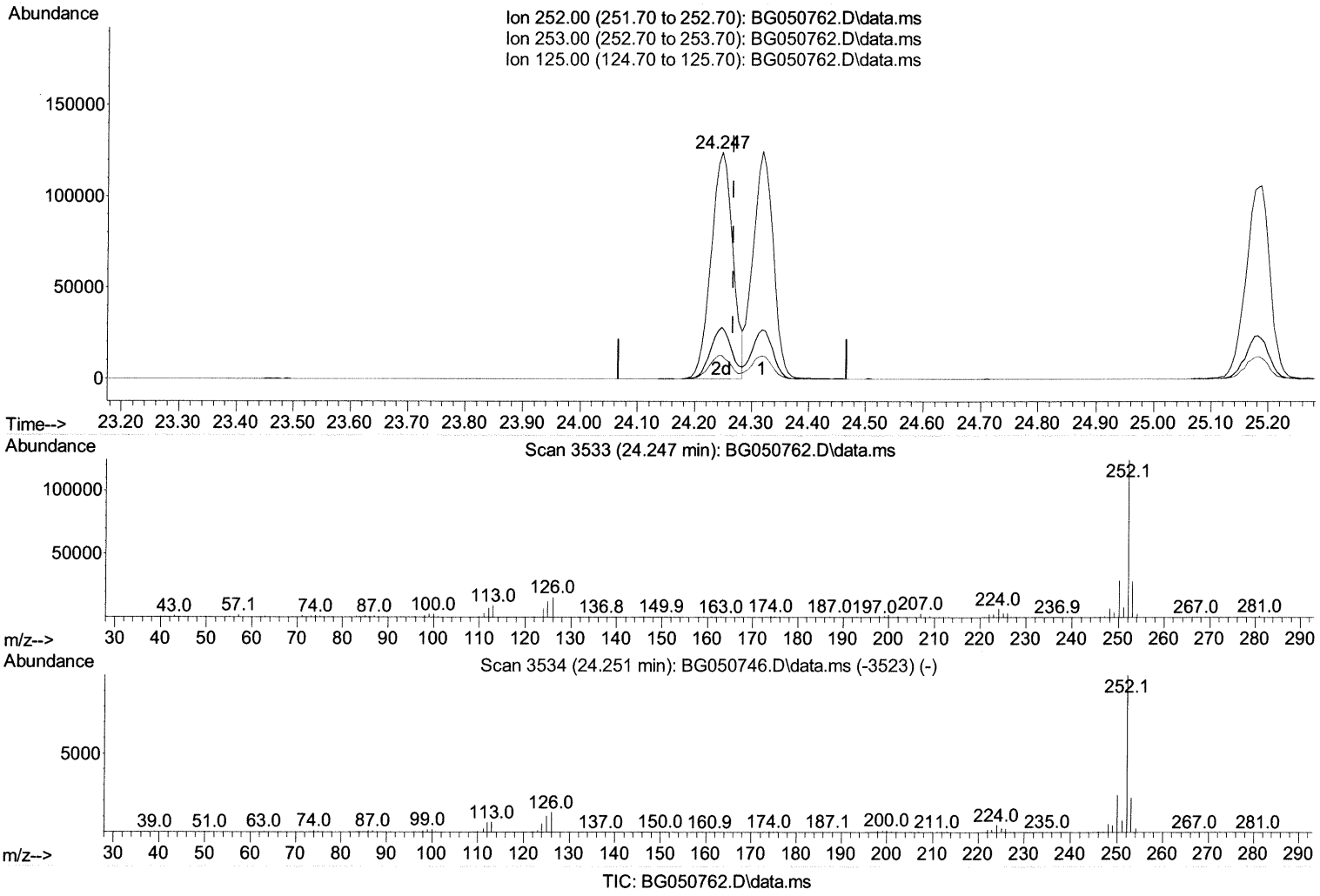

TIC: BG050762.D\data.ms

(90) Benzo(b)fluoranthene

24.247min (-0.019) 20.89 ng/ul m 10/26/2021

response 327772

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	22.70
125.00	8.40	10.38#
0.00	0.00	0.00

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10/28/2021 11:15:47 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.242	152	42496	20.000	ng/ul	0.00
20) Naphthalene-d8	11.068	136	192531	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.870	164	129530	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.619	188	286378	20.000	ng/ul	0.00
79) Chrysene-d12	21.920	240	248162	20.000	ng/ul	#-0.01
88) Perylene-d12	25.346	264	245783	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.601	96	9828	9.112	ng/uL	0.00
4) Pyridine-d5	4.024	84	74027	21.674	ng/ul	0.00
7) Phenol-d5	7.384	99	83996	21.270	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.555	67	55641	21.900	ng/ul	0.00
11) 2-Chlorophenol-d4	7.772	132	59865	21.582	ng/ul	0.00
15) 4-Methylphenol-d8	8.941	113	64332	21.099	ng/ul	0.00
21) Nitrobenzene-d5	9.417	128	30571	20.803	ng/ul	0.00
24) 2-Nitrophenol-d4	10.140	143	34640	20.903	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.681	165	59534	20.456	ng/ul	0.00
31) 4-Chloroaniline-d4	11.203	131	91333	21.383	ng/ul	0.00
46) Dimethylphthalate-d6	14.265	166	189923	20.762	ng/ul	0.00
49) Acenaphthylene-d8	14.564	160	238522	20.995	ng/ul	0.00
54) 4-Nitrophenol-d4	15.052	143	34123	20.611	ng/ul	0.00
60) Fluorene-d10	15.857	176	163707	20.824	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.974	200	31729	18.933	ng/ul	0.00
73) Anthracene-d10	17.713	188	257572	20.977	ng/ul	-0.01
81) Pyrene-d10	19.993	212	294093	20.796	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.105	264	267192	21.129	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.642	88	11330	8.468	ng/uL	91
5) Pyridine	4.047	79	76343	21.496	ng/ul	97
6) Benzaldehyde	7.373	77	41224	20.922	ng/ul	98
8) Phenol	7.408	94	88499	21.483	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.649	93	66716	21.466	ng/ul	93
12) 2-Chlorophenol	7.802	128	60077	21.548	ng/ul	95
13) 2-Methylphenol	8.677	108	64080	21.010	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.771	45	106444	21.694	ng/ul	99
16) Acetophenone	9.071	105	103506	21.676	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.047	70	63760	22.076	ng/ul	95
18) 4-Methylphenol	9.006	108	69489	21.602	ng/ul	92
19) Hexachloroethane	9.335	117	25772	21.421	ng/ul	94
22) Nitrobenzene	9.458	77	89831	21.033	ng/ul	98
23) Isophorone	9.975	82	170440	20.992	ng/ul	99
25) 2-Nitrophenol	10.175	139	35552	20.588	ng/ul	96
26) 2,4-Dimethylphenol	10.216	107	78662	20.837	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.457	93	93769	21.300	ng/ul	99
29) 2,4-Dichlorophenol	10.710	162	58573	20.831	ng/ul	94
30) Naphthalene	11.121	128	205144	20.887	ng/ul	97
32) 4-Chloroaniline	11.227	127	92720	21.614	ng/ul	94
33) Hexachlorobutadiene	11.391	225	38877	20.402	ng/ul	100
34) Caprolactam	11.979	113	23460m	20.101	ng/ul	10/30/21 JU
35) 4-Chloro-3-methylphenol	12.326	107	73848	21.095	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.713	142	137289	20.900	ng/ul	100
37) 1-Methylnaphthalene	12.931	142	139838	21.077	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.072	216	73678	20.475	ng/ul	97
40) Hexachlorocyclopentadiene	13.042	237	34512	17.844	ng/ul	93
41) 2,4,6-Trichlorophenol	13.307	196	48506	20.479	ng/ul	99
42) 2,4,5-Trichlorophenol	13.383	196	49296	19.721	ng/ul	98
43) 1,1'-Biphenyl	13.706	154	185533	20.673	ng/ul	99
44) 2-Chloronaphthalene	13.753	162	144116	20.736	ng/ul	99
45) 2-Nitroaniline	13.953	65	56769	20.480	ng/ul	95
47) Dimethylphthalate	14.312	163	189765	20.658	ng/ul	99
48) 2,6-Dinitrotoluene	14.441	165	39020	20.614	ng/ul	95
50) Acenaphthylene	14.594	152	241598	20.801	ng/ul	98
51) 3-Nitroaniline	14.770	138	32078	17.537	ng/ul	95
52) Acenaphthene	14.934	153	156649	20.645	ng/ul	97
53) 2,4-Dinitrophenol	14.981	184	19502	18.472	ng/ul#	86
55) 4-Nitrophenol	15.070	109	31753	19.945	ng/ul	96
56) Dibenzofuran	15.263	168	220310	20.535	ng/ul	95
57) 2,4-Dinitrotoluene	15.222	165	57383	21.128	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.487	232	39088	20.061	ng/ul#	91
59) Diethylphthalate	15.663	149	204725	20.863	ng/ul	98
61) Fluorene	15.916	166	174763	20.522	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.898	204	91487	20.370	ng/ul	95
63) 4-Nitroaniline	15.933	138	26722	15.607	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.986	198	32365	19.992	ng/ul	100
67) N-Nitrosodiphenylamine	16.115	169	157016	20.634	ng/ul	98
68) 4-Bromophenyl-phenylether	16.797	248	55866	20.705	ng/ul	94
69) Hexachlorobenzene	16.914	284	56363	20.454	ng/ul	96
70) Atrazine	17.055	200	66736	20.486	ng/ul	98
71) Pentachlorophenol	17.261	266	26148	18.620	ng/ul	96
72) Phenanthrene	17.661	178	300943	21.022	ng/ul	99
74) Anthracene	17.749	178	302947	21.214	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.677	216	78600	20.527	ng/uL	97
76) Pentachlorobenzene	15.187	250	71354	20.177	ng/uL	100
77) Carbazole	18.019	167	283105	21.350	ng/ul	99
78) Di-n-butylphthalate	18.554	149	364250	21.750	ng/ul	100
80) Fluoranthene	19.658	202	372691	20.677	ng/ul	97
82) Pyrene	20.023	202	361342	20.502	ng/ul#	98
83) Butylbenzylphthalate	20.886	149	157503	21.080	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.809	252	105301	19.130	ng/ul	98
85) Benzo(a)anthracene	21.903	228	331306	21.050	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.773	149	228936	21.531	ng/ul	97
87) Chrysene	21.973	228	313140	20.896	ng/ul	99
89) Di-n-octyl phthalate	23.048	149	391504	21.879	ng/ul	100
90) Benzo(b)fluoranthene	24.247	252	327772m	20.893	ng/ul	99
91) Benzo(k)fluoranthene	24.317	252	307224	21.013	ng/ul	99
93) Benzo(a)pyrene	25.187	252	312798	20.802	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.270	276	349400	21.027	ng/ul#	95
95) Dibenzo(a,h)anthracene	29.335	278	296260	20.730	ng/ul	99
96) Benzo(g,h,i)perylene	30.510	276	287638	20.721	ng/ul	97

10/30/21 JU

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