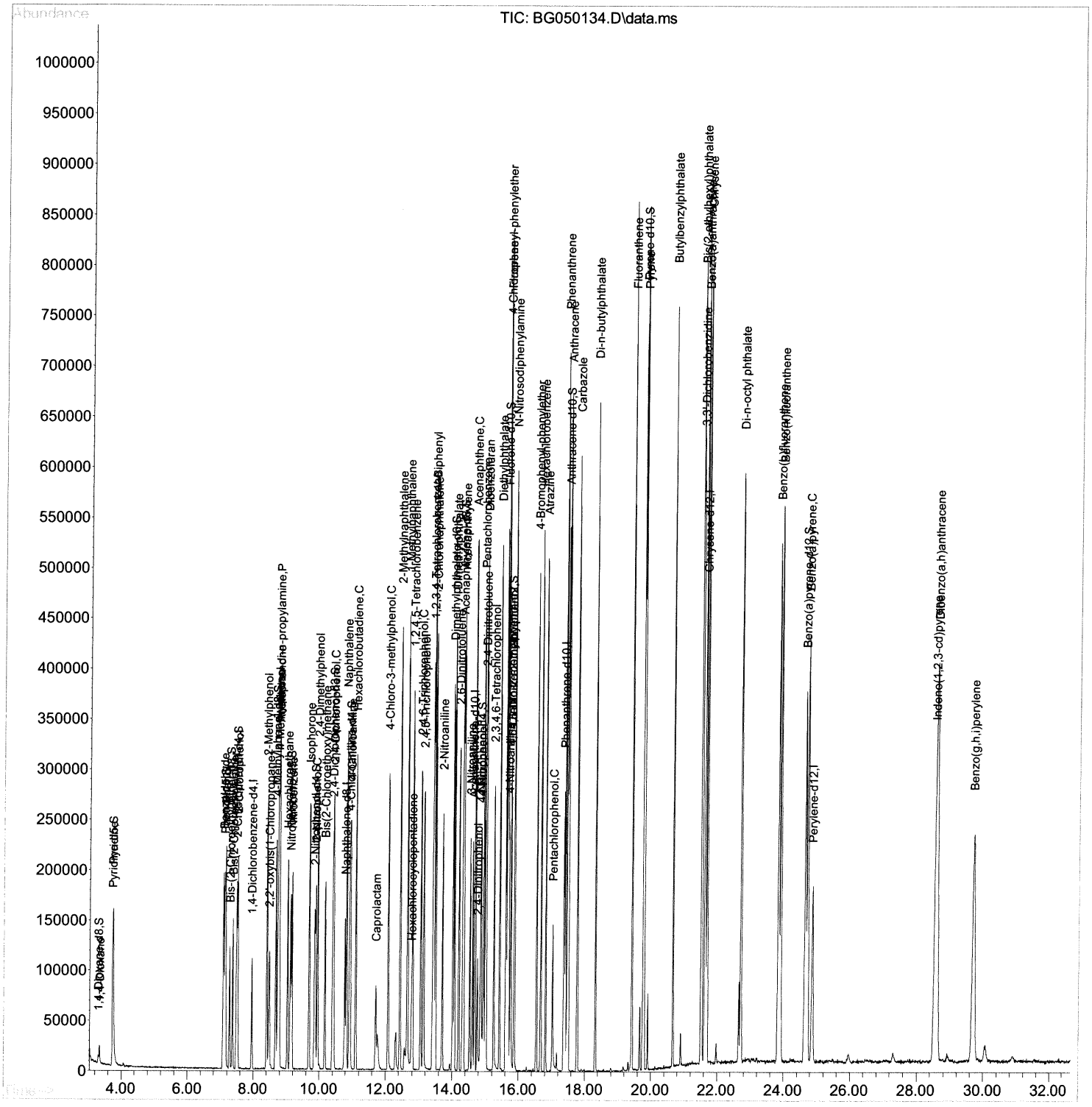
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090221\
Data File : BG050134.D
Acq On : 3 Sep 2021 16:54
Operator : CG/JU
Sample : PB138760BS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 03 18:17:51 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS760

Manual Integrations APPROVED
mohammad
9/7/2021 11:33:45 AM



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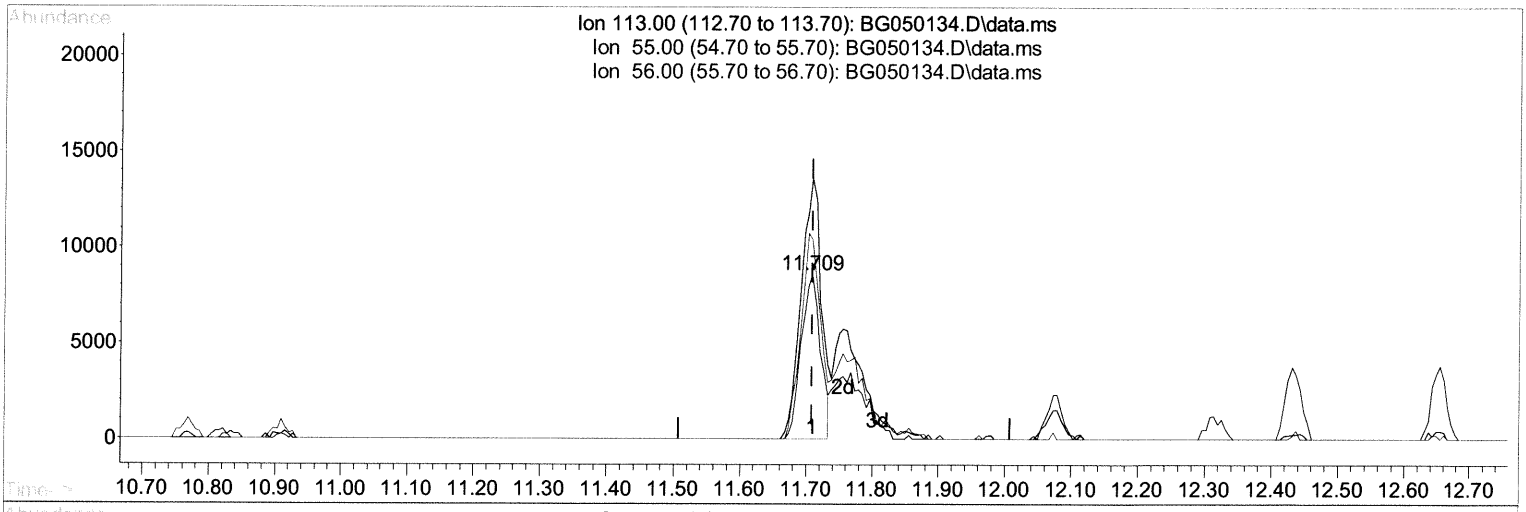

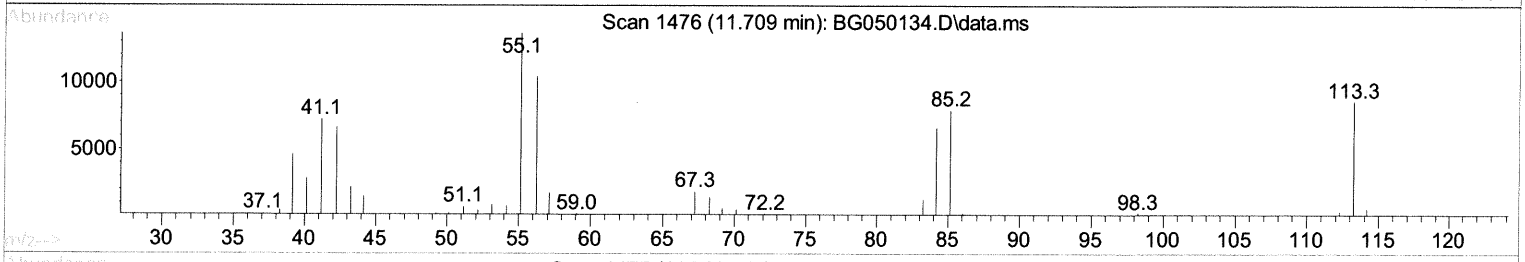

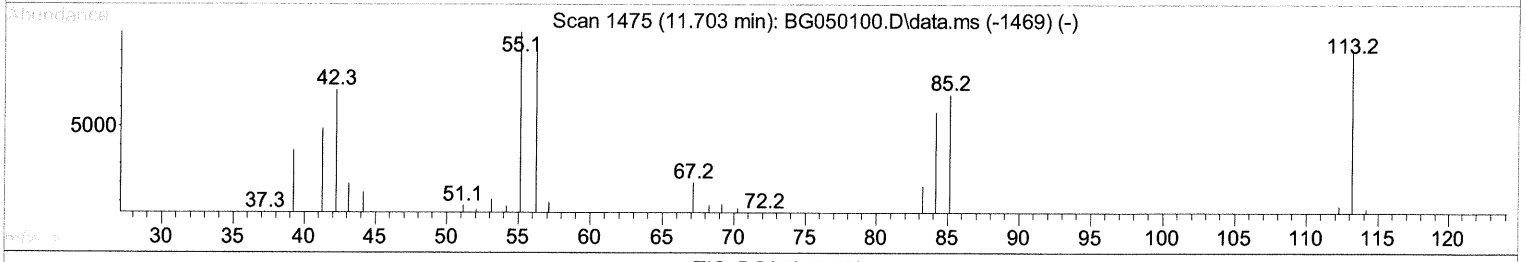

TIC: BG050134.D\data.ms

(34) Caprolactam

11.709min (+ 0.000) 26.28 ng/ul

response 17284

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	158.56
56.00	134.20	121.46
0.00	0.00	0.00

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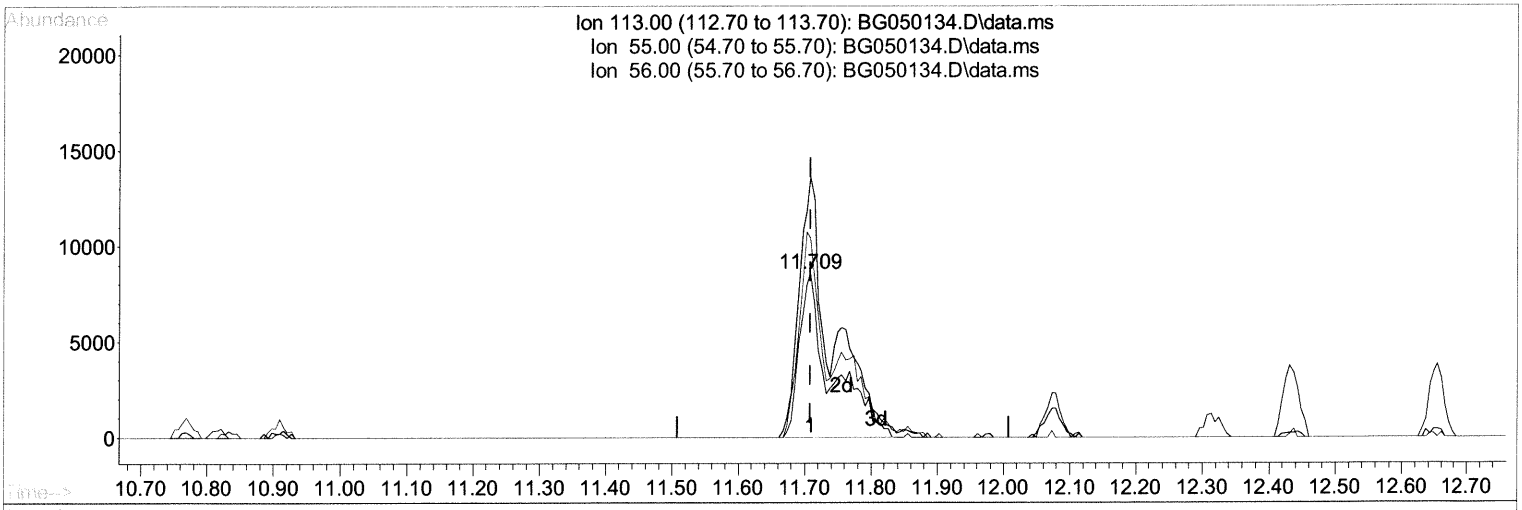

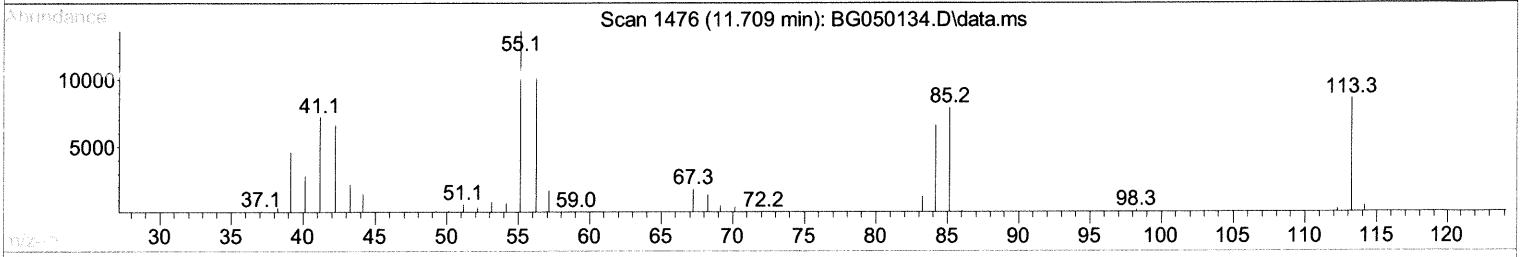

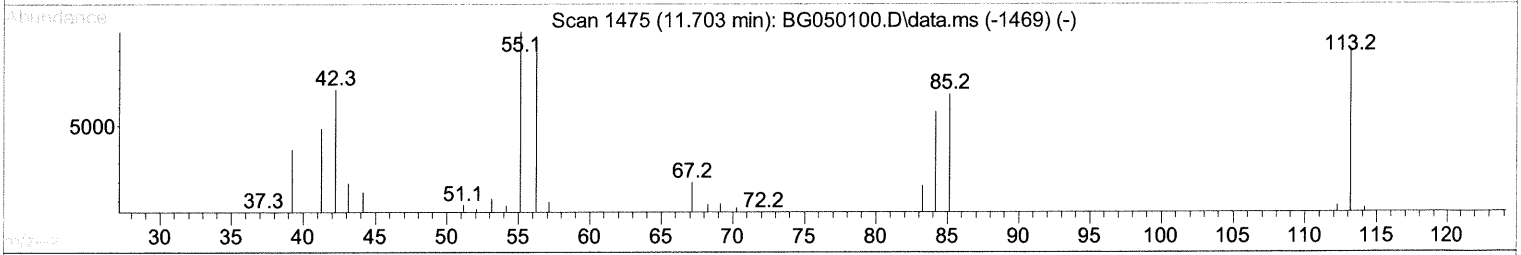

TIC: BG050134.D\data.ms

(34) Caprolactam

11.709min (+ 0.000) 43.57 ng/ul m

JR 9/8/21

response 28660

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	158.56
56.00	134.20	121.46
0.00	0.00	0.00

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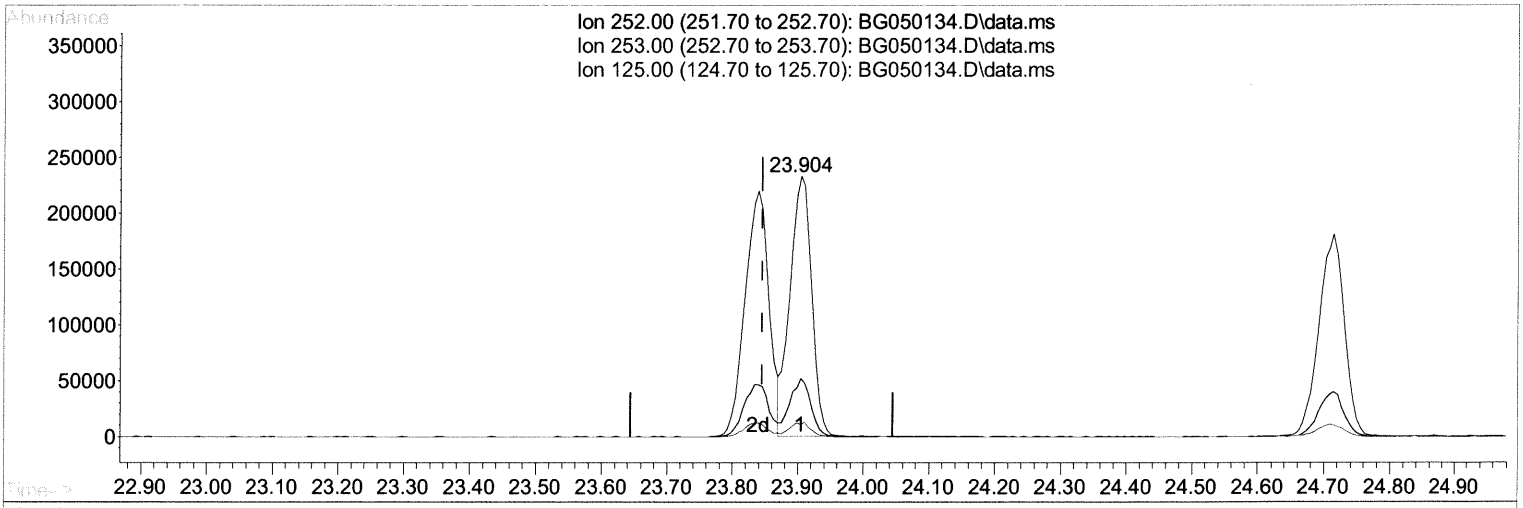

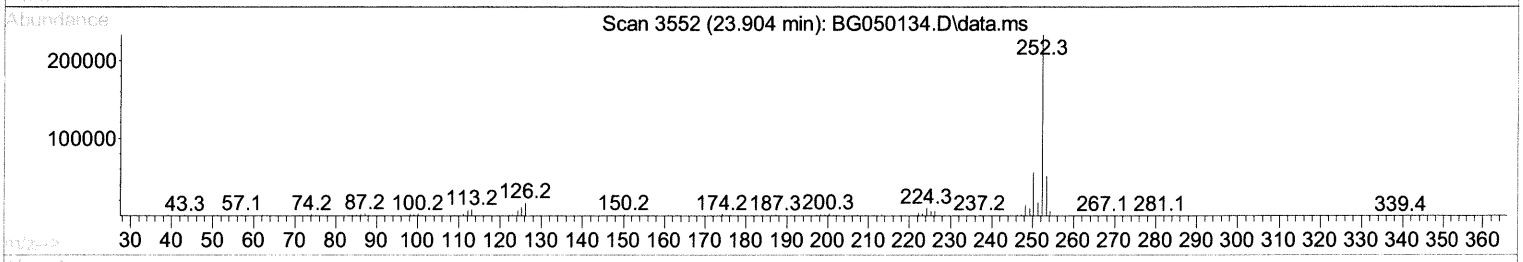

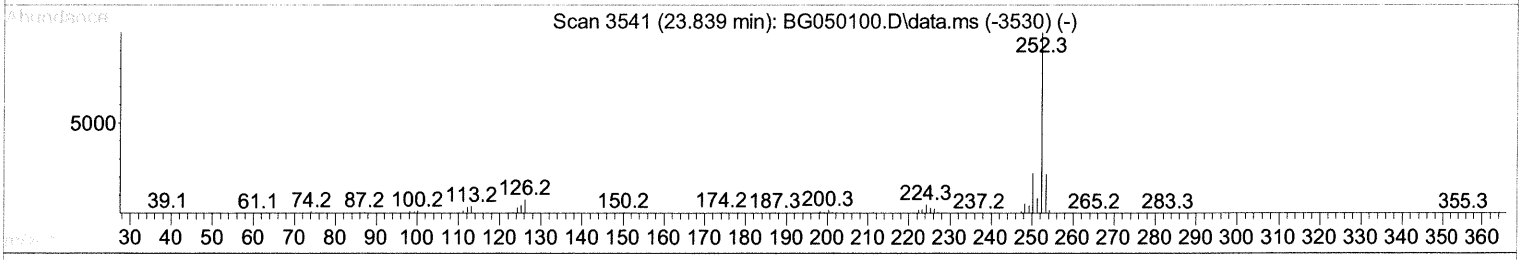

TIC: BG050134.D\data.ms

(90) Benzo(b)fluoranthene

23.904min (+ 0.059) 44.45 ng/ul

response 537995

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.60	22.26
125.00	4.20	4.73
0.00	0.00	0.00

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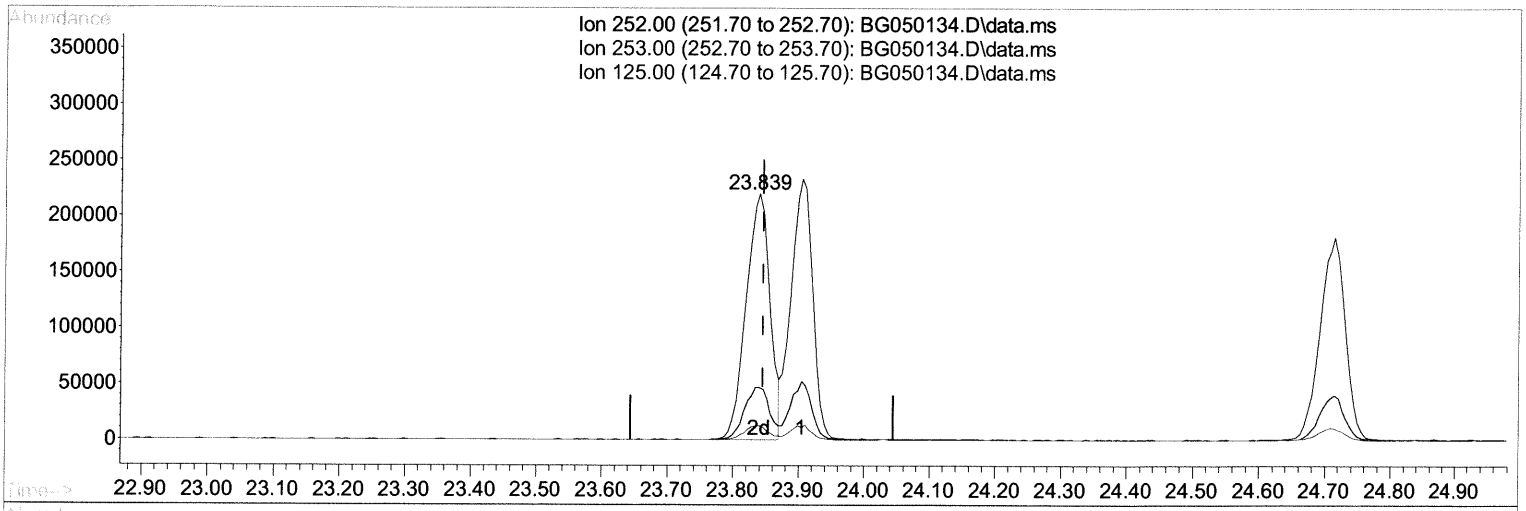

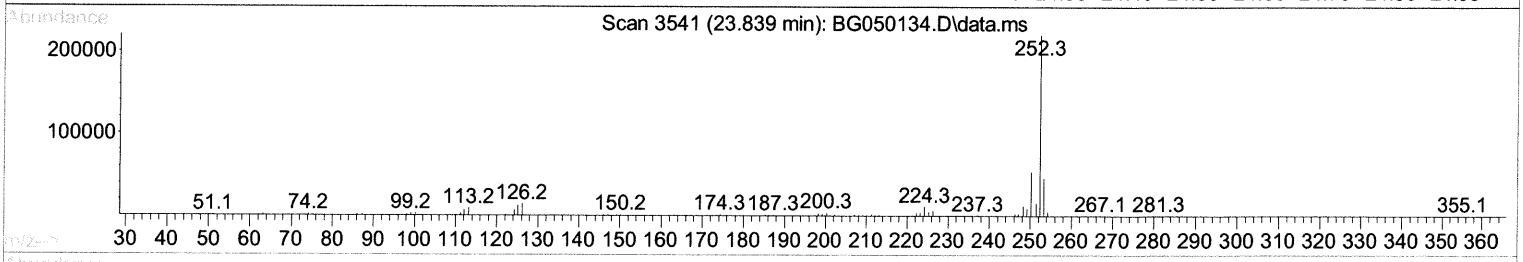

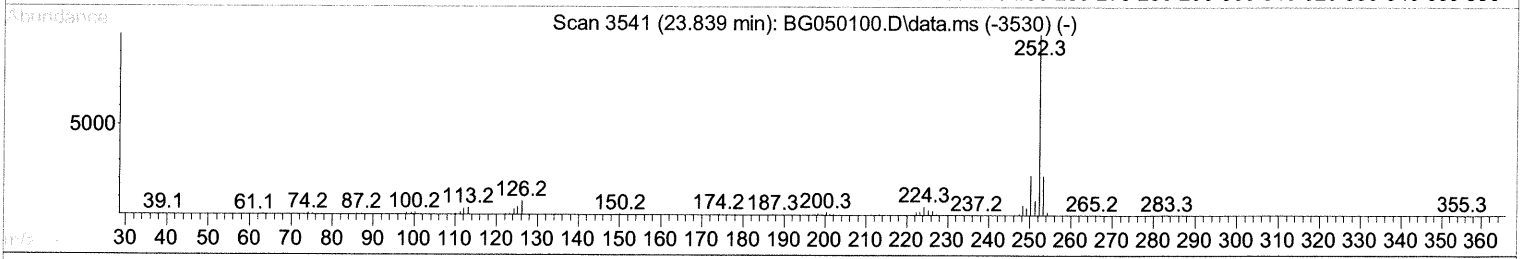

TIC: BG050134.D\data.ms

(90) Benzo(b)fluoranthene

23.839min (-0.006) 46.16 ng/ul m JG 9/8/21

response 558752

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.60	21.18
125.00	4.20	5.64#
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	31585	20.000	ng/ul	0.00
20) Naphthalene-d8	10.769	136	124255	20.000	ng/ul	#-0.01
38) Acenaphthene-d10	14.610	164	82368	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.366	188	178212	20.000	ng/ul	-0.01
79) Chrysene-d12	21.642	240	185329	20.000	ng/ul	0.00
88) Perylene-d12	24.861	264	189224	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.302	96	5380	8.784	ng/uL	-0.01
4) Pyridine-d5	3.731	84	74420	40.337	ng/ul	-0.01
7) Phenol-d5	7.121	99	106084	39.553	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.273	67	58183	39.047	ng/ul	0.00
11) 2-Chlorophenol-d4	7.485	132	81966	40.843	ng/ul	0.00
15) 4-Methylphenol-d8	8.677	113	80367	38.048	ng/ul	0.00
21) Nitrobenzene-d5	9.124	128	40079	41.605	ng/ul	0.00
24) 2-Nitrophenol-d4	9.852	143	46751	40.757	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.399	165	82610	40.378	ng/ul	0.00
31) 4-Chloroaniline-d4	10.910	131	100248	35.999	ng/ul	-0.01
46) Dimethylphthalate-d6	14.011	166	254567	40.384	ng/ul	-0.01
49) Acenaphthylene-d8	14.305	160	308943	41.799	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.845	143	34687	38.033	ng/ul	0.00
60) Fluorene-d10	15.609	176	212410	39.743	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.750	200	45140	39.371	ng/ul	0.00
73) Anthracene-d10	17.465	188	333529	41.677	ng/ul	-0.01
81) Pyrene-d10	19.762	212	411799	41.118	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.638	264	411239	40.965	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.343	88	13104	17.549	ng/uL#	92
5) Pyridine	3.749	79	86042	43.150	ng/ul	93
6) Benzaldehyde	7.085	77	75614	48.991	ng/ul	95
8) Phenol	7.150	94	119288	44.033	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.367	93	84316	45.086	ng/ul	100
12) 2-Chlorophenol	7.514	128	88725	44.741	ng/ul#	81
13) 2-Methylphenol	8.407	108	88085	42.145	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.478	45	84986	43.337	ng/ul	98
16) Acetophenone	8.783	105	146571	42.549	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.765	70	72738	42.052	ng/ul	98
18) 4-Methylphenol	8.742	108	94470	42.015	ng/ul	85
19) Hexachloroethane	9.030	117	39989	46.077	ng/ul	92
22) Nitrobenzene	9.165	77	117932	45.180	ng/ul	98
23) Isophorone	9.694	82	208465	44.824	ng/ul	97
25) 2-Nitrophenol	9.882	139	52681	47.239	ng/ul	91
26) 2,4-Dimethylphenol	9.946	107	103184	41.632	ng/ul	91
27) Bis(2-Chloroethoxy)met...	10.169	93	110696	46.093	ng/ul	97
29) 2,4-Dichlorophenol	10.428	162	91066	48.496	ng/ul	98
30) Naphthalene	10.821	128	281260	45.287	ng/ul	97
32) 4-Chloroaniline	10.933	127	110319	41.135	ng/ul#	87
33) Hexachlorobutadiene	11.098	225	69361	45.659	ng/ul	99
34) Caprolactam	11.709	113	28660m	43.571	ng/ul	99
35) 4-Chloro-3-methylphenol	12.073	107	105167	46.861	ng/ul	99

DJG 9/8/21

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.431	142	209201	45.314	ng/ul	97
37) 1-Methylnaphthalene	12.654	142	199621	42.837	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.807	216	117674	48.640	ng/ul#	97
40) Hexachlorocyclopentadiene	12.778	237	20228	18.682	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.054	196	73461	47.648	ng/ul	89
42) 2,4,5-Trichlorophenol	13.136	196	73406	45.429	ng/ul	90
43) 1,1'-Biphenyl	13.441	154	269064	46.757	ng/ul	99
44) 2-Chloronaphthalene	13.488	162	215296	46.579	ng/ul	97
45) 2-Nitroaniline	13.700	65	73669	46.943	ng/ul	95
47) Dimethylphthalate	14.064	163	277724	44.517	ng/ul	99
48) 2,6-Dinitrotoluene	14.193	165	61828	48.003	ng/ul#	84
50) Acenaphthylene	14.334	152	318290	47.117	ng/ul	99
51) 3-Nitroaniline	14.528	138	55184	44.401	ng/ul	90
52) Acenaphthene	14.675	153	228986	46.729	ng/ul	97
53) 2,4-Dinitrophenol	14.751	184	26136	39.730	ng/ul#	89
55) 4-Nitrophenol	14.857	109	43691	37.784	ng/ul	84
56) Dibenzofuran	15.016	168	312909	46.110	ng/ul	98
57) 2,4-Dinitrotoluene	14.992	165	90108	48.636	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.251	232	63308	47.281	ng/ul#	95
59) Diethylphthalate	15.427	149	285647	44.758	ng/ul	96
61) Fluorene	15.662	166	262297	45.813	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.650	204	138078	45.581	ng/ul	98
63) 4-Nitroaniline	15.697	138	58180	46.909	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.762	198	46982	45.209	ng/ul	94
67) N-Nitrosodiphenylamine	15.868	169	224044	47.751	ng/ul	99
68) 4-Bromophenyl-phenylether	16.549	248	100160	50.806	ng/ul	94
69) Hexachlorobenzene	16.678	284	112337	49.347	ng/ul	95
70) Atrazine	16.819	200	100289	48.114	ng/ul	98
71) Pentachlorophenol	17.031	266	31235	32.402	ng/ul	95
72) Phenanthrene	17.413	178	431075	48.521	ng/ul	99
74) Anthracene	17.507	178	424963	47.202	ng/ul#	95
75) 1,2,3,4-Tetrachloroben...	13.412	216	122066	51.053	ng/uL	90
76) Pentachlorobenzene	14.939	250	123095	48.587	ng/uL	98
77) Carbazole	17.777	167	390026	48.684	ng/ul	99
78) Di-n-butylphthalate	18.317	149	486736	47.505	ng/ul	98
80) Fluoranthene	19.427	202	563736	45.615	ng/ul	98
82) Pyrene	19.792	202	542725	44.318	ng/ul	98
83) Butylbenzylphthalate	20.661	149	222332	46.006	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.531	252	194421	44.255	ng/ul#	99
85) Benzo(a)anthracene	21.624	228	535732	46.392	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.507	149	318931	48.055	ng/ul	99
87) Chrysene	21.689	228	508139	46.549	ng/ul	97
89) Di-n-octyl phthalate	22.711	149	530044	47.219	ng/ul	100
90) Benzo(b)fluoranthene	23.839	252	558752m	46.163	ng/ul	> 9/8/21
91) Benzo(k)fluoranthene	23.904	252	537995	46.760	ng/ul	100
93) Benzo(a)pyrene	24.714	252	488236	46.447	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.556	276	633391	45.679	ng/ul#	97
95) Dibenzo(a,h)anthracene	28.603	278	529485	45.614	ng/ul#	96
96) Benzo(g,h,i)perylene	29.714	276	516303	44.289	ng/ul	98

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