Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072521\
Data File : BG049460.D
Acq On : 24 Jul 2021 20:52
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 25 07:22:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 24 06:15:51 2021
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTDCCC020

Manual Integrations APPROVED
mohammad
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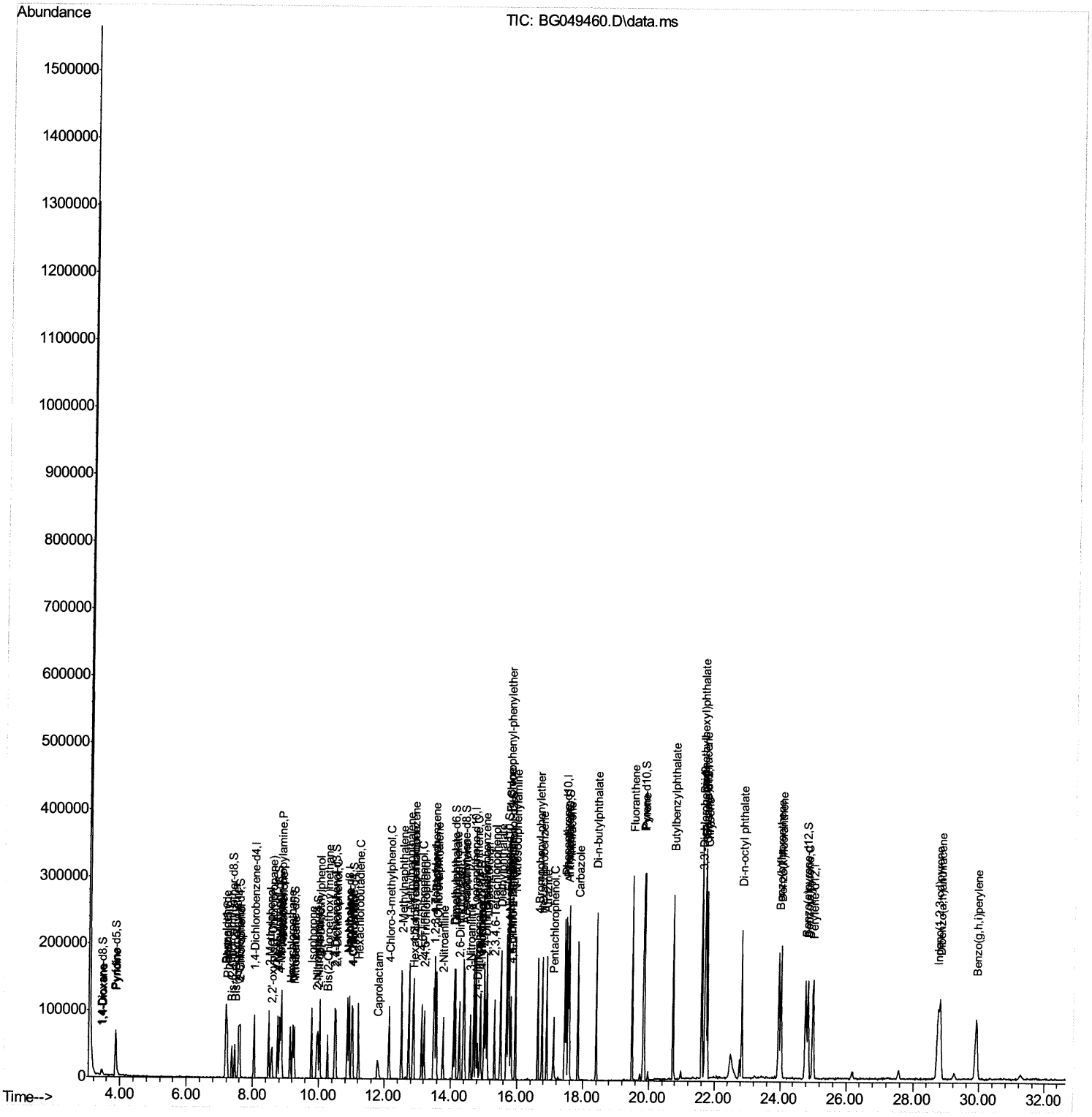

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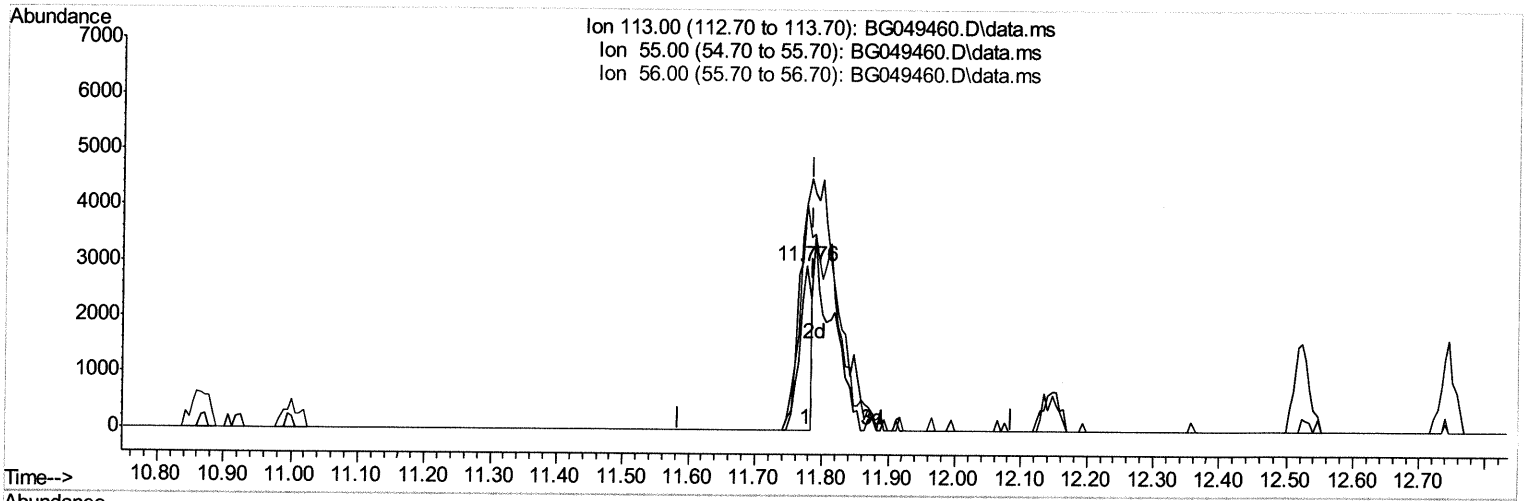

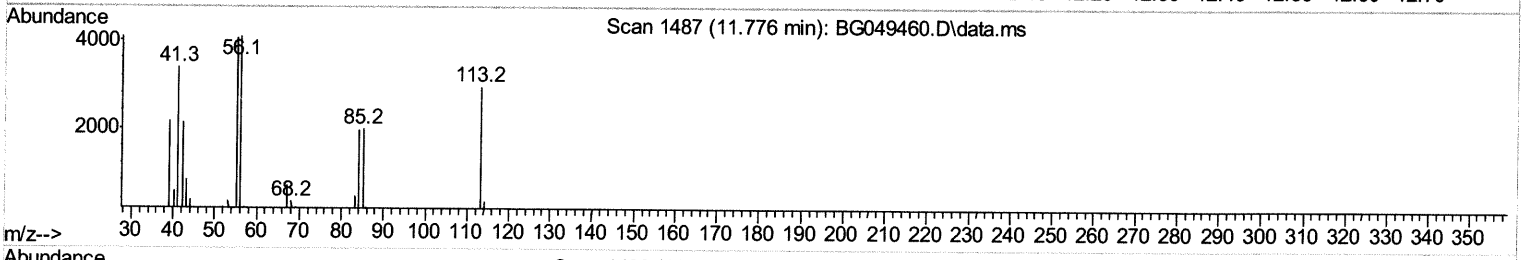

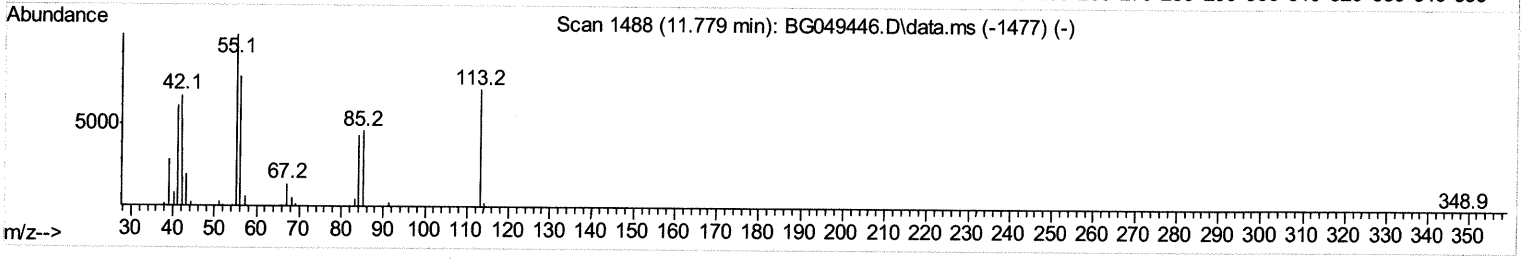

TIC: BG049460.D\data.ms

(34) Caprolactam

11.776min (-0.009) 6.58 ng/ul

response 3490

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	145.70	137.99
56.00	118.80	138.84
0.00	0.00	0.00

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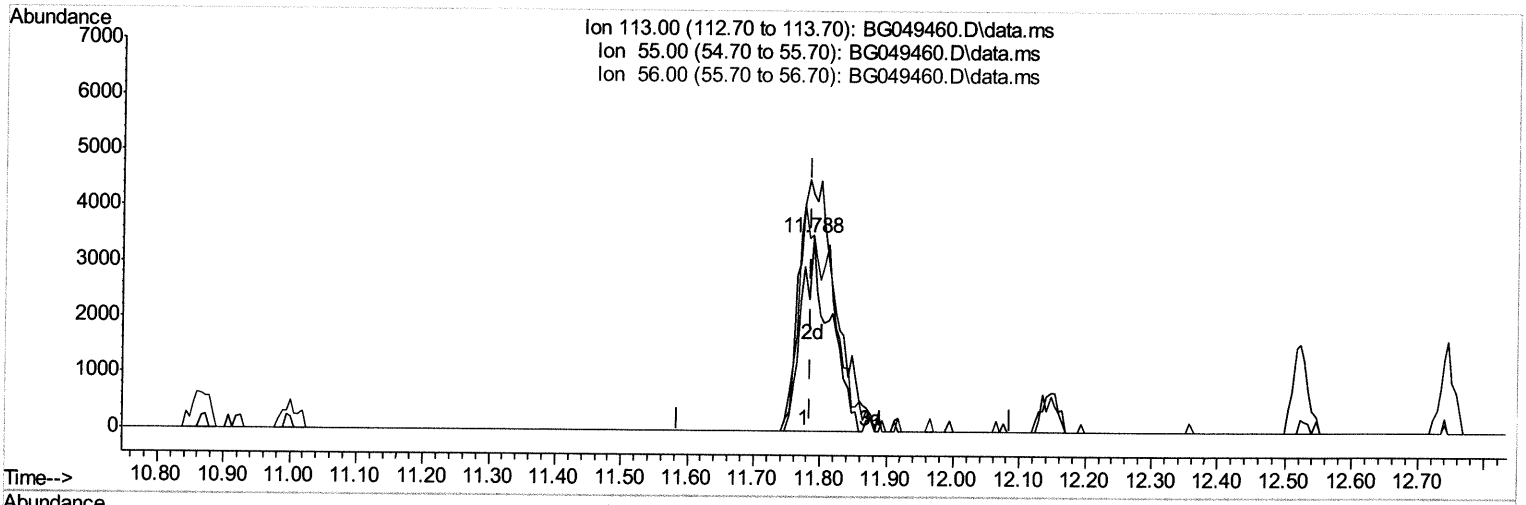

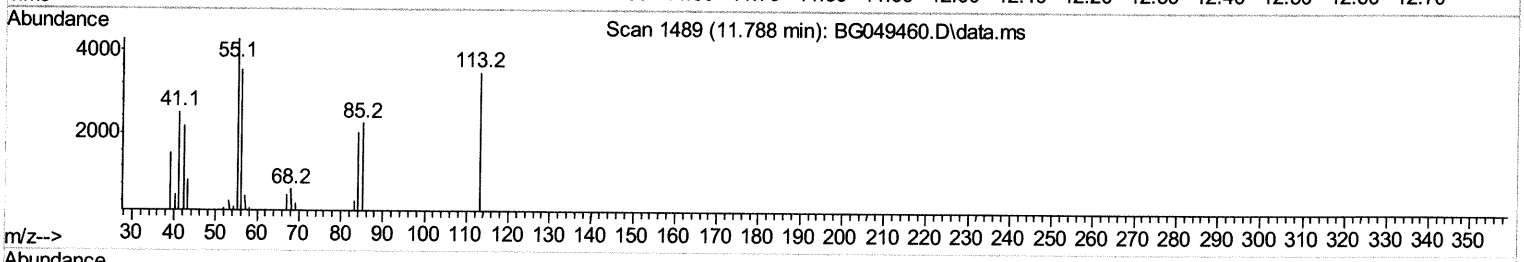

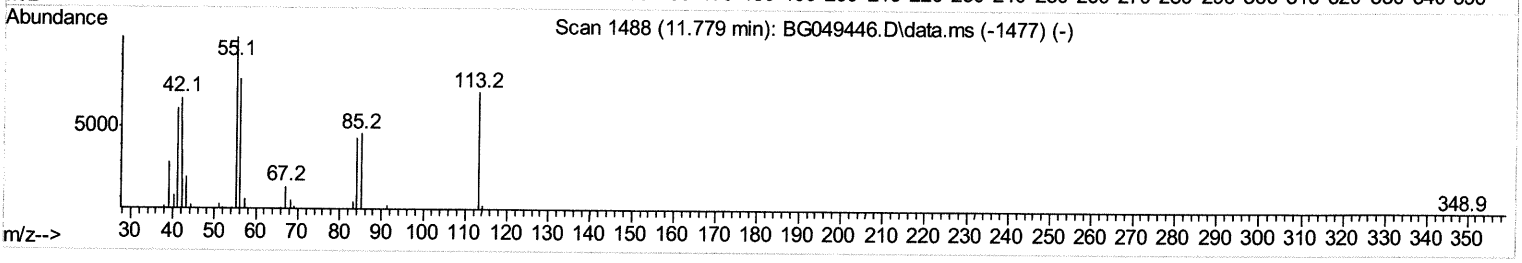

TIC: BG049460.D\data.ms

(34) Caprolactam

11.788min (+ 0.003) 19.67 ng/ul m 07/27/21 JU

response 10431

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	145.70	122.69
56.00	118.80	101.53
0.00	0.00	0.00

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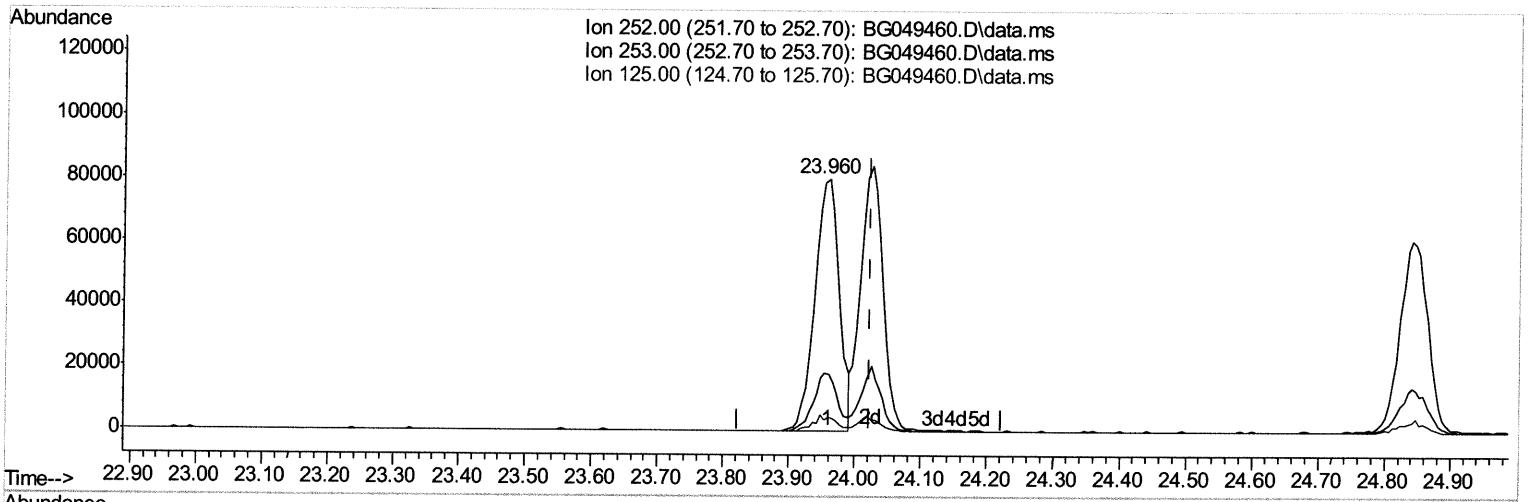

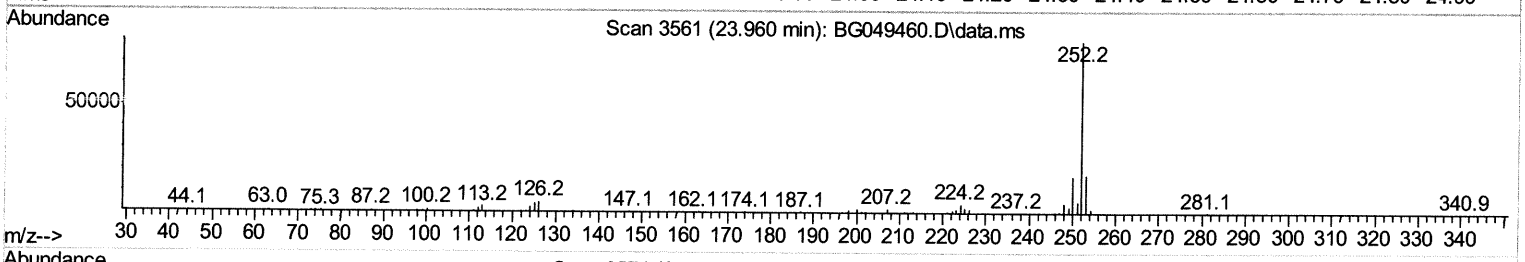

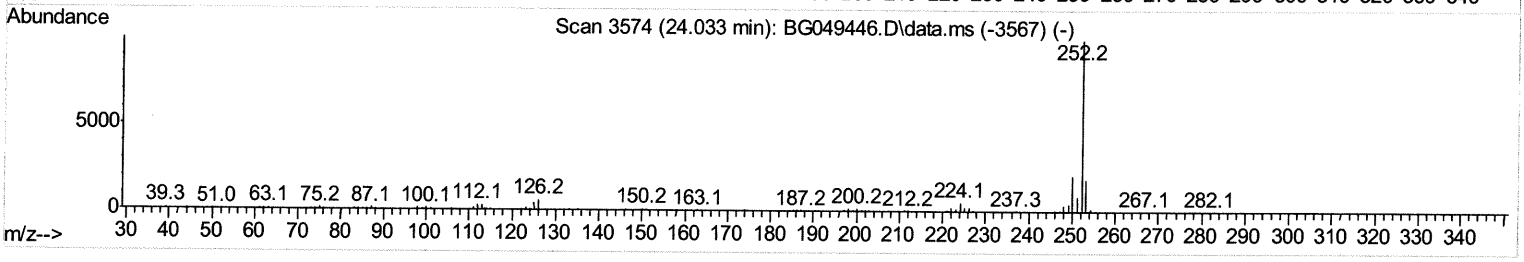

TIC: BG049460.D\data.ms

(91) Benzo(k)fluoranthene

23.960min (-0.062) 19.89 ng/ul

response 203632

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.60	22.40
125.00	5.80	5.21
0.00	0.00	0.00

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Manual Integrations APPROVED
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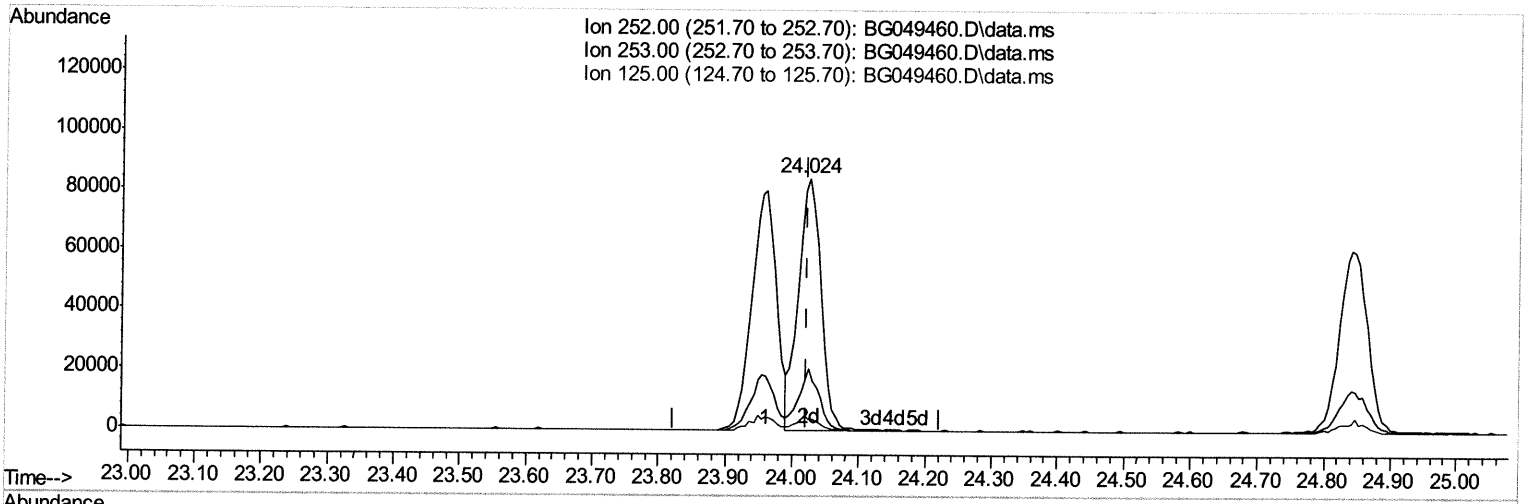

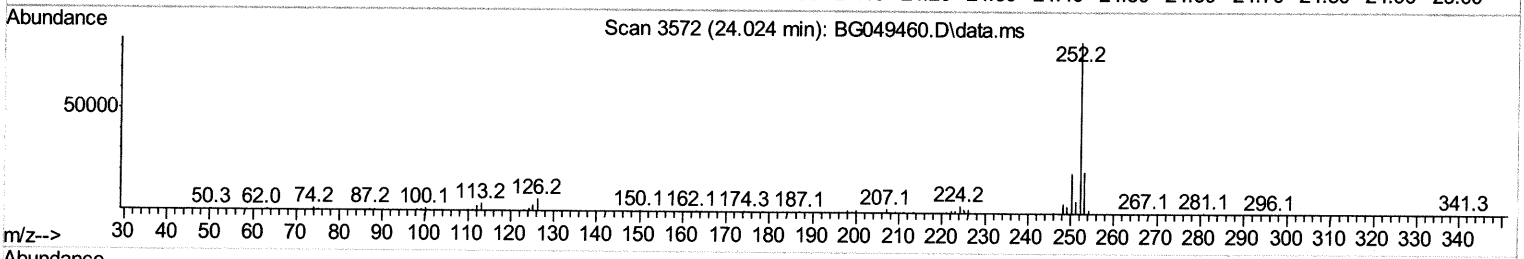

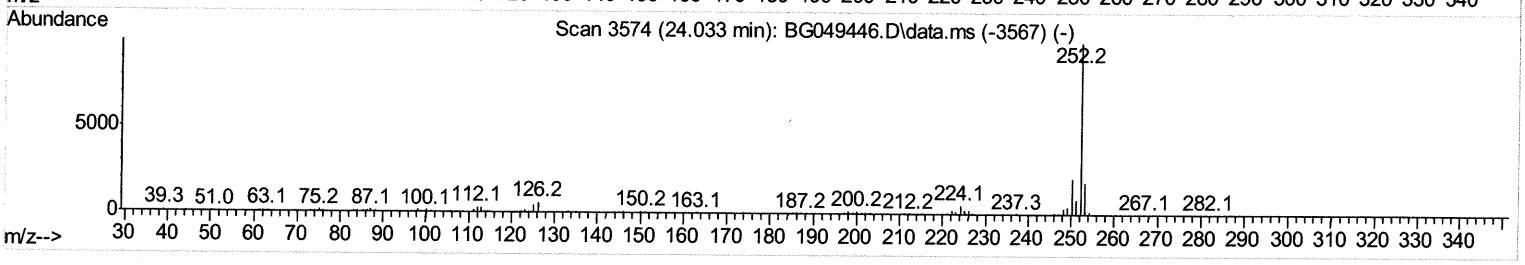

TIC: BG049460.D\data.ms

(91) Benzo(k)fluoranthene

24.024min (+ 0.003) 19.45 ng/ul m 07/27/21 JU

response 199179

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.60	24.32
125.00	5.80	3.96#
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	8.046	152	24286	20.00	ng/ul	0.00
20) Naphthalene-d8	10.866	136	97364	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.696	164	65110	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.445	188	147213	20.00	ng/ul	# 0.00
79) Chrysene-d12	21.728	240	157848	20.00	ng/ul	0.00
88) Perylene-d12	25.005	264	166924	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.429	96	4569	8.61	ng/uL	0.00
4) Pyridine-d5	3.858	84	27805	18.24	ng/ul	0.00
7) Phenol-d5	7.200	99	41545	19.33	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.365	67	23534	19.34	ng/ul	0.00
11) 2-Chlorophenol-d4	7.576	132	31808	20.65	ng/ul	0.00
15) 4-Methylphenol-d8	8.751	113	30948	19.11	ng/ul	0.00
21) Nitrobenzene-d5	9.215	128	14980	20.01	ng/ul	0.00
24) 2-Nitrophenol-d4	9.938	143	17517	19.97	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.484	165	32358	20.28	ng/ul	0.00
31) 4-Chloroaniline-d4	11.001	131	42636	19.18	ng/ul	0.00
46) Dimethylphthalate-d6	14.097	166	102159	20.48	ng/ul	0.00
49) Acenaphthylene-d8	14.390	160	121864	21.04	ng/ul	0.00
54) 4-Nitrophenol-d4	14.890	143	15479	18.85	ng/ul	0.00
60) Fluorene-d10	15.689	176	85389	19.87	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.806	200	17244	18.90	ng/ul	0.00
73) Anthracene-d10	17.545	188	135333	19.78	ng/ul	0.00
81) Pyrene-d10	19.830	212	161991	20.07	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	172730	19.69	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.464	88	4801	6.62	ng/uL#	94
5) Pyridine	3.875	79	32633	20.01	ng/ul	94
6) Benzaldehyde	7.183	77	32287	25.18	ng/ul	98
8) Phenol	7.230	94	42057	20.04	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.464	93	29541	20.43	ng/ul	94
12) 2-Chlorophenol	7.605	128	30854	20.81	ng/ul	96
13) 2-Methylphenol	8.487	108	31293	19.56	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.569	45	32447	19.15	ng/ul	99
16) Acetophenone	8.868	105	52940	20.31	ng/ul#	96
17) N-Nitroso-di-n-propyla...	8.857	70	27779	20.67	ng/ul#	86
18) 4-Methylphenol	8.816	108	33618	19.98	ng/ul	98
19) Hexachloroethane	9.139	117	14577	21.82	ng/ul	89
22) Nitrobenzene	9.262	77	45393	20.31	ng/ul	98
23) Isophorone	9.779	82	77258	20.63	ng/ul	99
25) 2-Nitrophenol	9.973	139	17423	21.11	ng/ul#	78
26) 2,4-Dimethylphenol	10.026	107	41303	20.99	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.261	93	37883	20.28	ng/ul	97
29) 2,4-Dichlorophenol	10.513	162	32533	20.86	ng/ul	95
30) Naphthalene	10.919	128	99310	19.80	ng/ul	97
32) 4-Chloroaniline	11.024	127	40730	19.26	ng/ul#	82
33) Hexachlorobutadiene	11.201	225	26159	21.94	ng/ul	98
34) Caprolactam	11.788	113	10431m	> 19.67	ng/ul	> 07/27/21
35) 4-Chloro-3-methylphenol	12.146	107	35472	20.21	ng/ul#	82
36) 2-Methylnaphthalene	12.528	142	74454	20.28	ng/ul	100
37) 1-Methylnaphthalene	12.746	142	73978	19.94	ng/ul	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.892	216	39894	20.62	ng/ul	97
40) Hexachlorocyclopentadiene	12.869	237	22938	19.67	ng/ul	99
41) 2,4,6-Trichlorophenol	13.127	196	25271	21.25	ng/ul#	85
42) 2,4,5-Trichlorophenol	13.204	196	27464	21.62	ng/ul	94
43) 1,1'-Biphenyl	13.527	154	97538	21.04	ng/ul	98
44) 2-Chloronaphthalene	13.574	162	74780	20.73	ng/ul	96
45) 2-Nitroaniline	13.774	65	27426	21.42	ng/ul	90
47) Dimethylphthalate	14.144	163	99464	20.51	ng/ul	99
48) 2,6-Dinitrotoluene	14.267	165	19967	20.63	ng/ul#	86
50) Acenaphthylene	14.420	152	112682	20.37	ng/ul	96
51) 3-Nitroaniline	14.596	138	19262	19.95	ng/ul#	83
52) Acenaphthene	14.761	153	82008	20.67	ng/ul	99
53) 2,4-Dinitrophenol	14.802	184	11468	23.78	ng/ul#	80
55) 4-Nitrophenol	14.907	109	22303	20.03	ng/ul	89
56) Dibenzofuran	15.095	168	109542	20.45	ng/ul	99
57) 2,4-Dinitrotoluene	15.054	165	28488	20.76	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.319	232	23852	20.70	ng/ul	99
59) Diethylphthalate	15.507	149	102759	20.47	ng/ul	97
61) Fluorene	15.747	166	94874	20.86	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.736	204	49209	20.78	ng/ul#	86
63) 4-Nitroaniline	15.759	138	21085	22.02	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.818	198	15699	18.69	ng/ul#	76
67) N-Nitrosodiphenylamine	15.947	169	80217	20.79	ng/ul	99
68) 4-Bromophenyl-phenylether	16.629	248	32772	19.99	ng/ul	94
69) Hexachlorobenzene	16.752	284	37046	19.98	ng/ul	95
70) Atrazine	16.893	200	34324	19.48	ng/ul	96
71) Pentachlorophenol	17.099	266	18822	21.92	ng/ul	85
72) Phenanthrene	17.492	178	151206	19.73	ng/ul	98
74) Anthracene	17.580	178	154053	19.84	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.498	216	40530	20.26	ng/uL	98
76) Pentachlorobenzene	15.013	250	44221	20.89	ng/uL	93
77) Carbazole	17.850	167	134671	19.40	ng/ul	98
78) Di-n-butylphthalate	18.403	149	171981	19.92	ng/ul	99
80) Fluoranthene	19.495	202	194709	19.87	ng/ul	98
82) Pyrene	19.859	202	197512	20.30	ng/ul	97
83) Butylbenzylphthalate	20.741	149	75601	19.96	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.622	252	74301	20.49	ng/ul	96
85) Benzo(a)anthracene	21.704	228	191928	19.89	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.604	149	112949	20.09	ng/ul#	98
87) Chrysene	21.775	228	180779	19.57	ng/ul	99
89) Di-n-octyl phthalate	22.832	149	185327	18.89	ng/ul	100
90) Benzo(b)fluoranthene	23.960	252	203632	19.46	ng/ul	98
91) Benzo(k)fluoranthene	24.024	252	199179m	19.45	ng/ul	97
93) Benzo(a)pyrene	24.841	252	177423	19.55	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.742	276	234615	20.26	ng/ul#	92
95) Dibenzo(a,h)anthracene	28.800	278	193428	20.18	ng/ul	96
96) Benzo(g,h,i)perylene	29.911	276	194719	20.22	ng/ul	95

07/27/21 JU

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