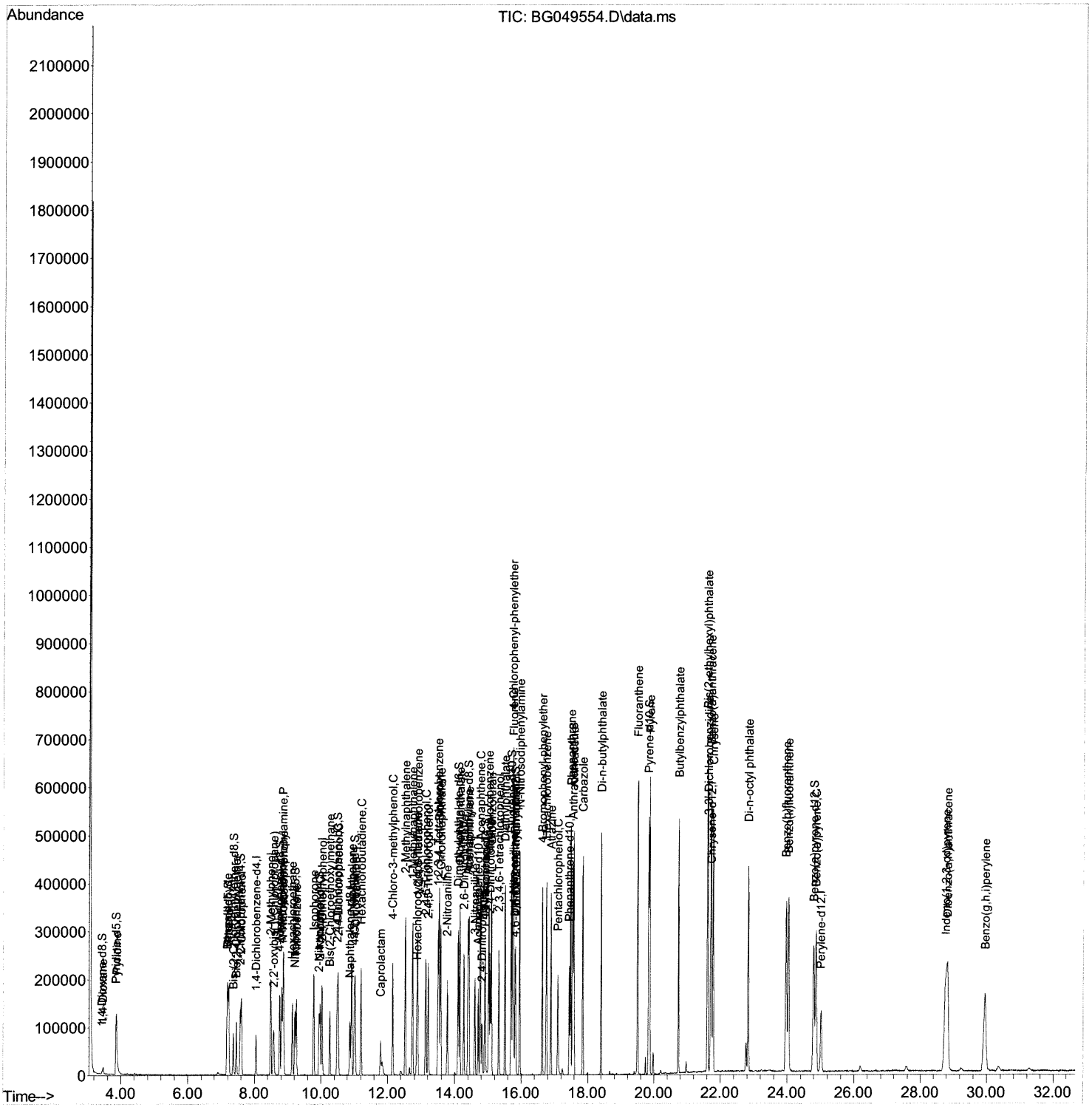
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072921\
Data File : BG049554.D
Acq On : 29 Jul 2021 11:08
Operator : CG/JU
Sample : PB137954BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 12:20:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 26 11:36:47 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS954

Manual Integrations APPROVED
mohammad
7/30/2021 11:59:47 AM



Quantitation Report (Qedit)

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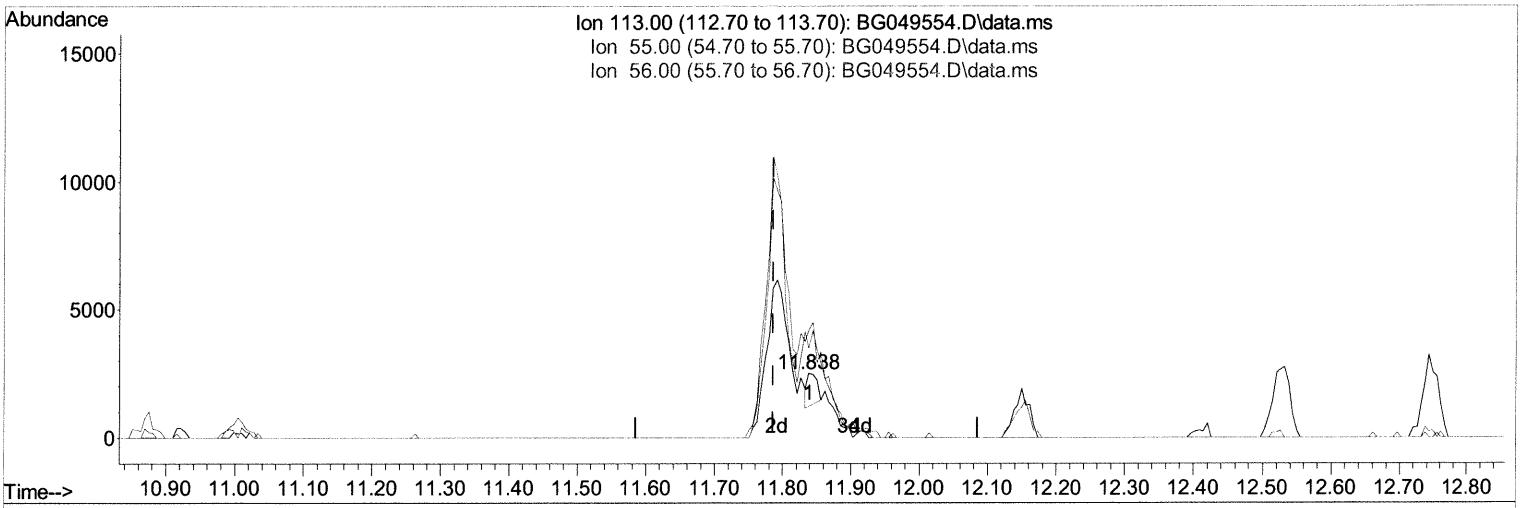

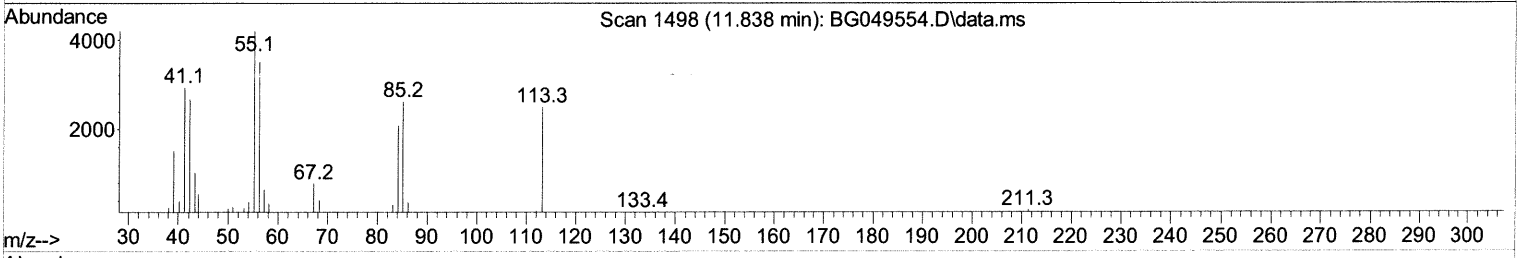

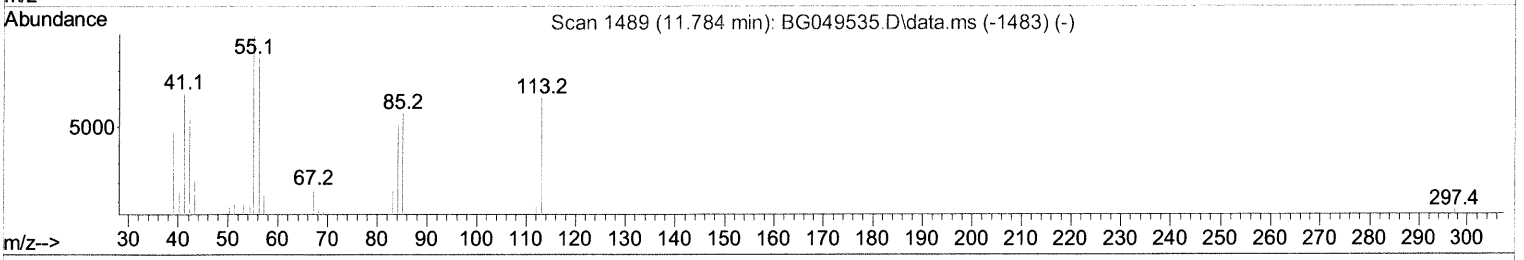

TIC: BG049554.D\data.ms

(34) Caprolactam

11.838min (+ 0.053) 2.52 ng/ul

response 1235

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	145.70	167.40
56.00	118.80	139.96
0.00	0.00	0.00

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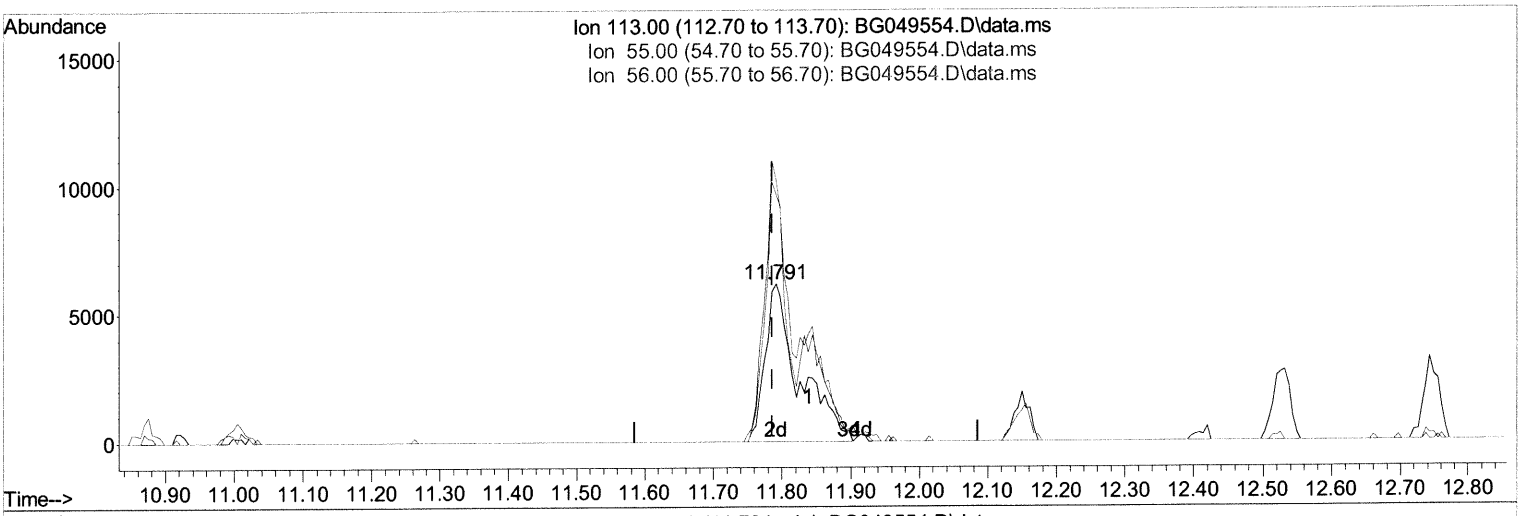

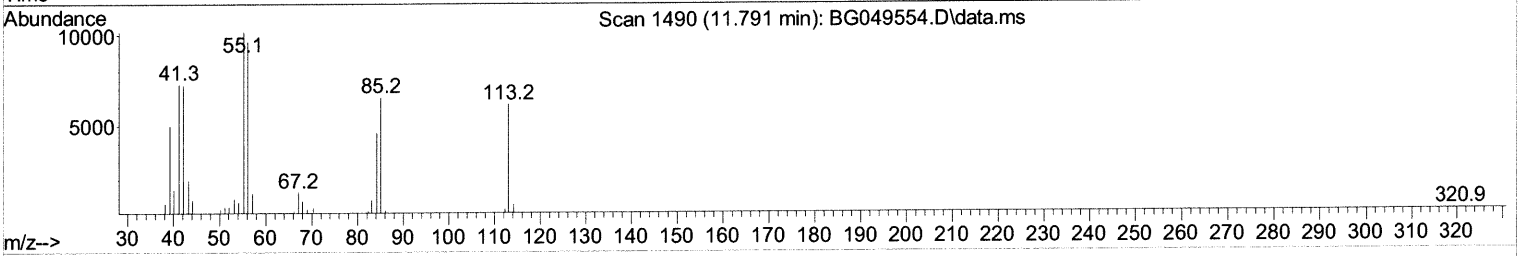

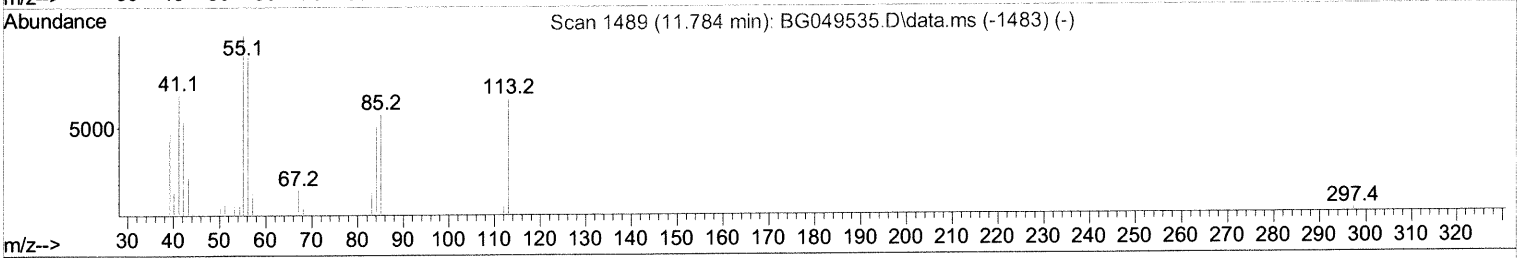

TIC: BG049554.D\data.ms

(34) Caprolactam

11.791min (+ 0.006) 42.70 ng/ul m 08/07/21 JU

response 20964

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	145.70	165.05
56.00	118.80	156.13#
0.00	0.00	0.00

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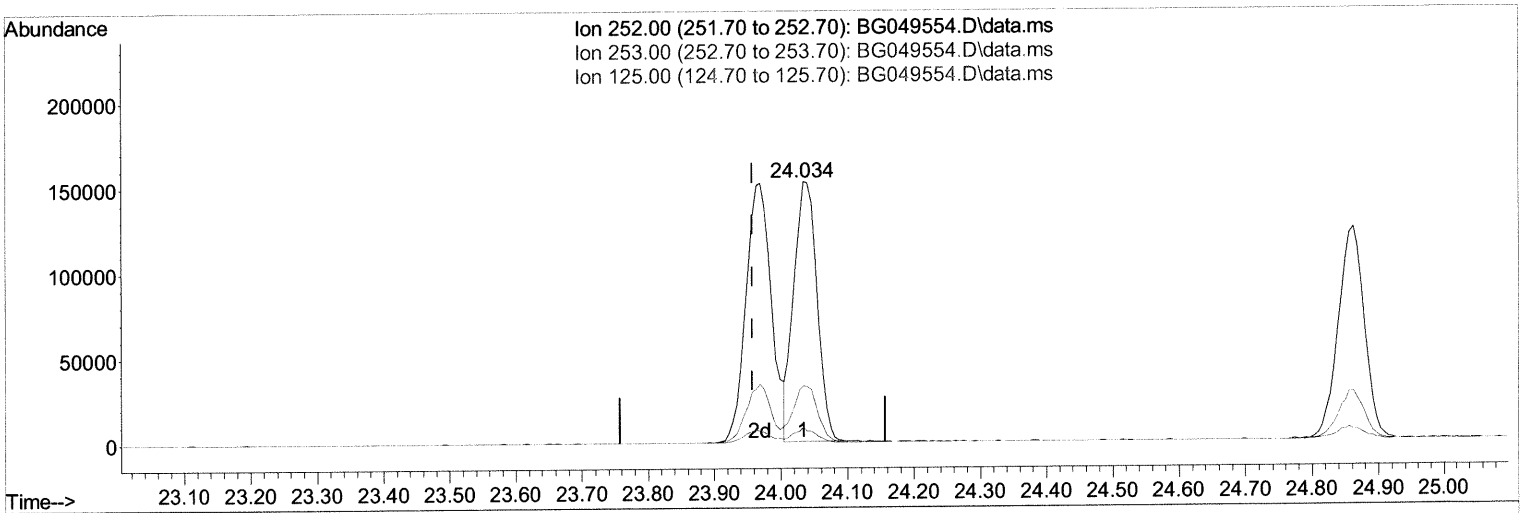

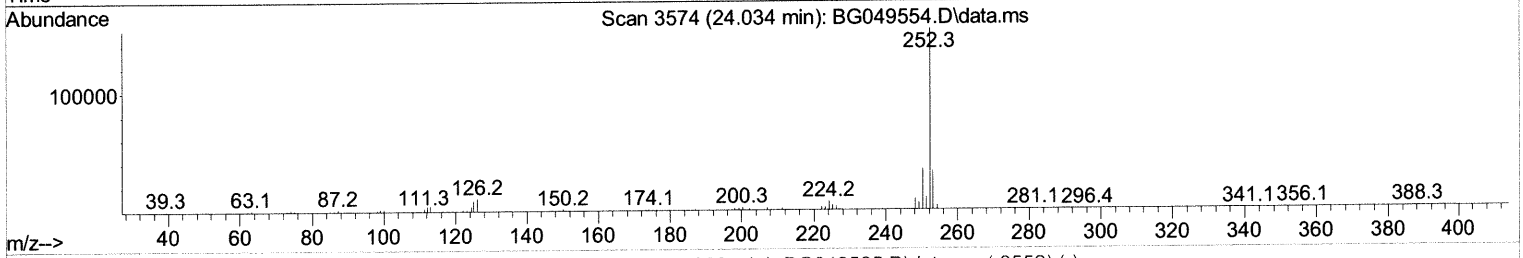

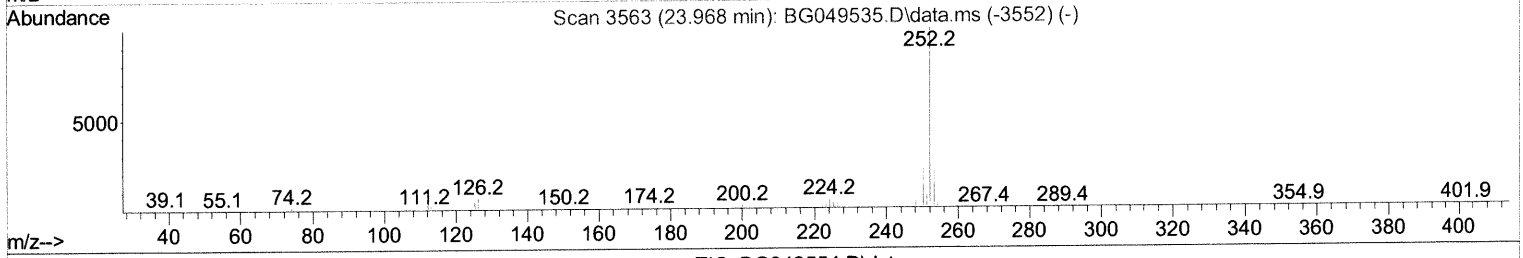

TIC: BG049554.D\data.ms

(90) Benzo(b)fluoranthene

24.034min (+ 0.076) 43.20 ng/ul

response 366903

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.40	21.55
125.00	5.60	5.92
0.00	0.00	0.00

Quantitation Report (Qedit)

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Sample : PB137954BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

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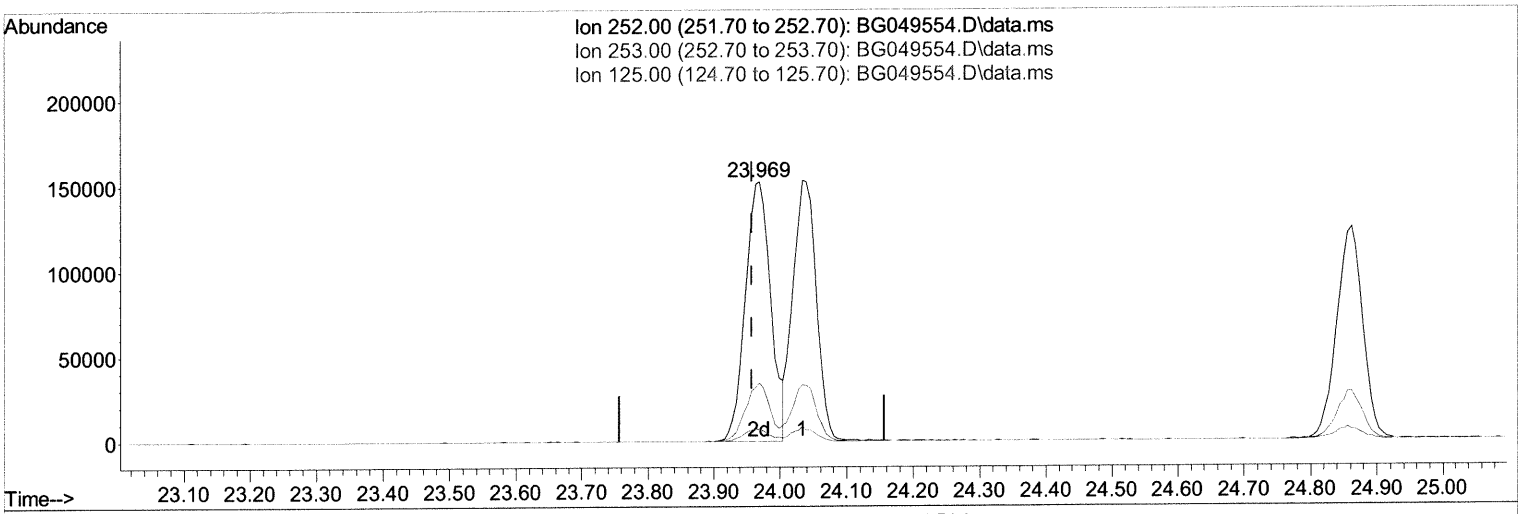

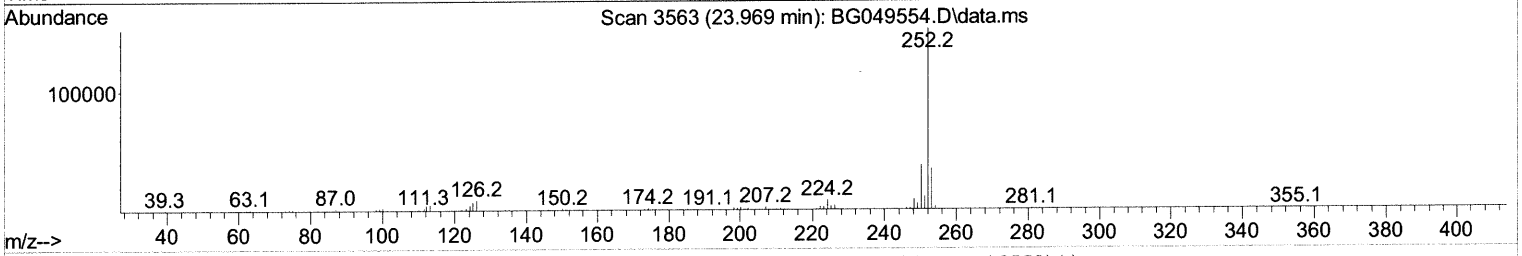

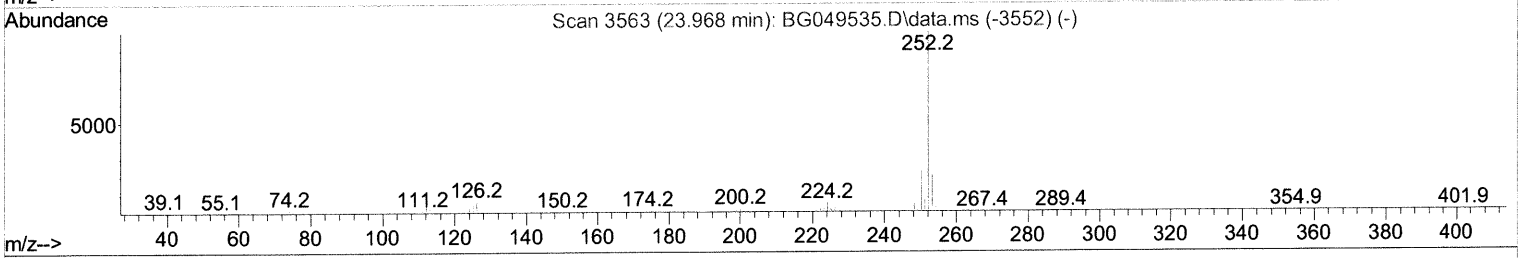

TIC: BG049554.D\data.ms

(90) Benzo(b)fluoranthene

23.969min (+ 0.012) 47.61 ng/ul m 08/02/21 JU

response 404348

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.40	22.47
125.00	5.60	4.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Sample : PB137954BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

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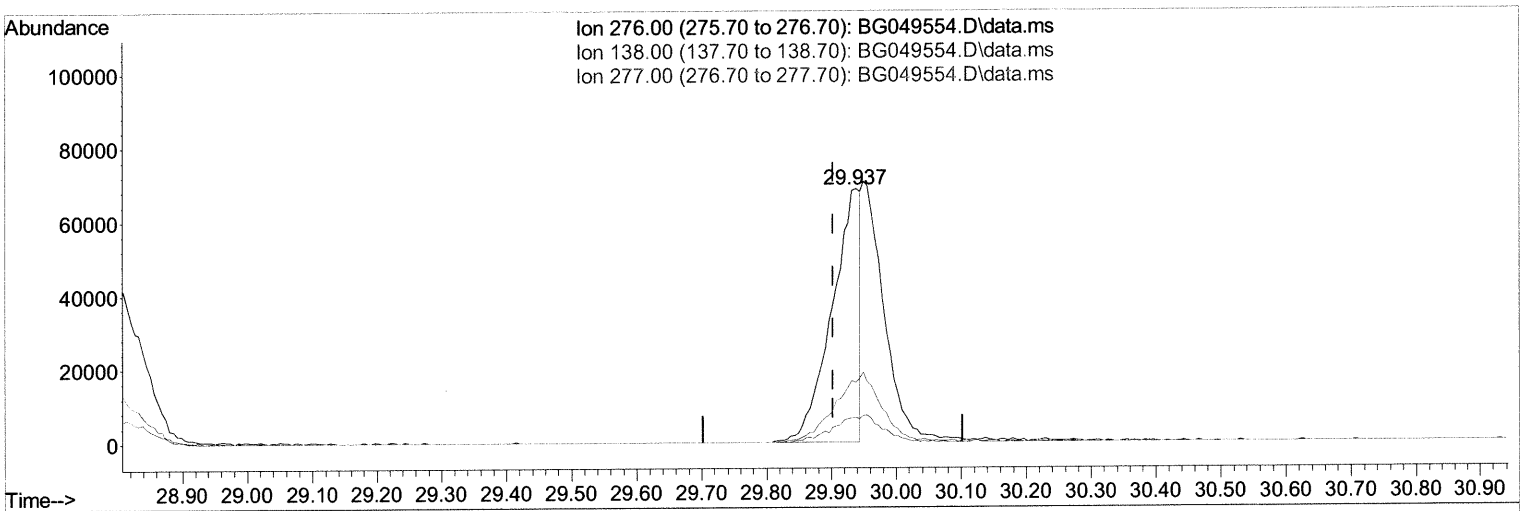

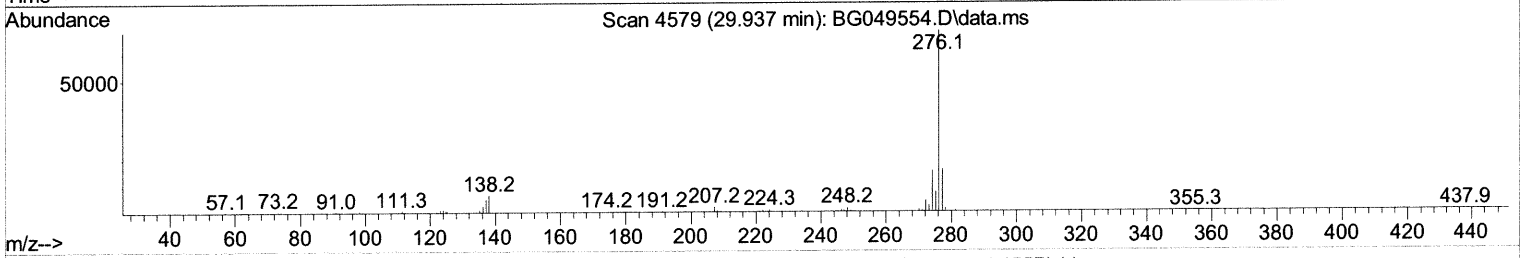

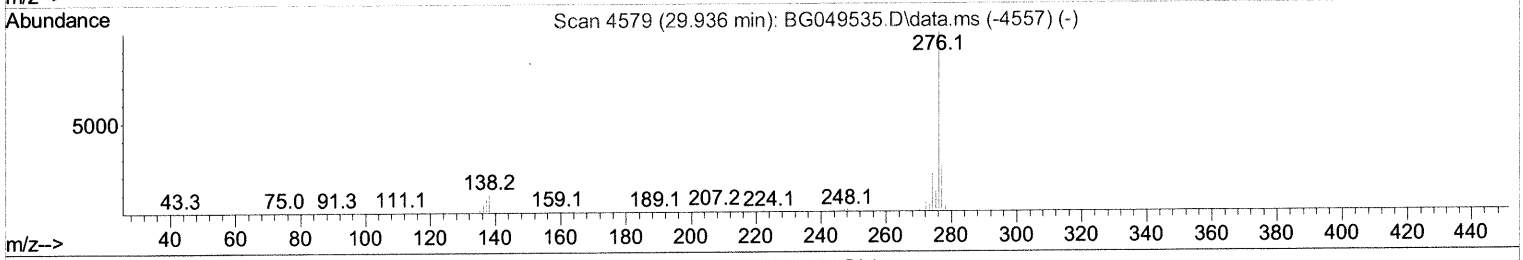

TIC: BG049554.D\data.ms

(96) Benzo(g,h,i)perylene

29.937min (+ 0.035) 26.35 ng/ul

response 205978

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.50	9.68#
277.00	25.80	23.44
0.00	0.00	0.00

Quantitation Report (Qedit)

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Operator : CG/JU
Sample : PB137954BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

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Manual Integrations APPROVED
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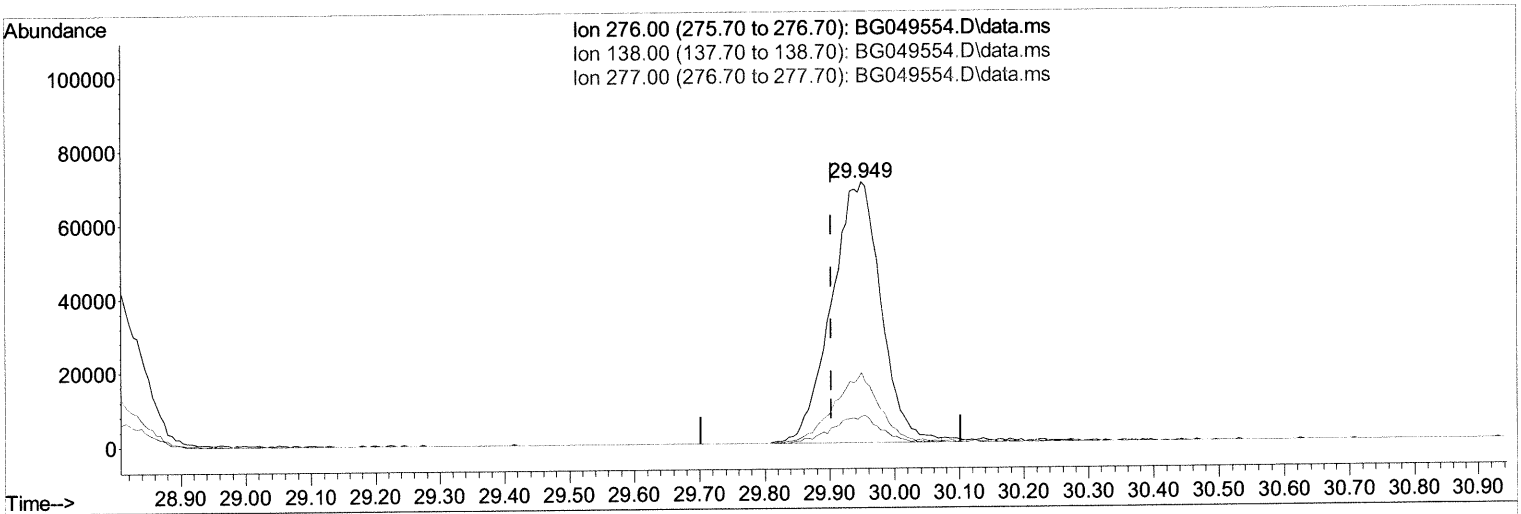

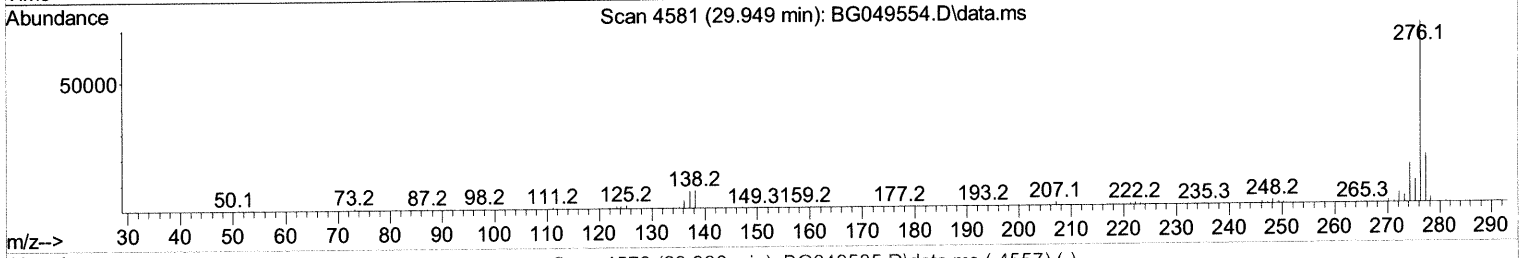

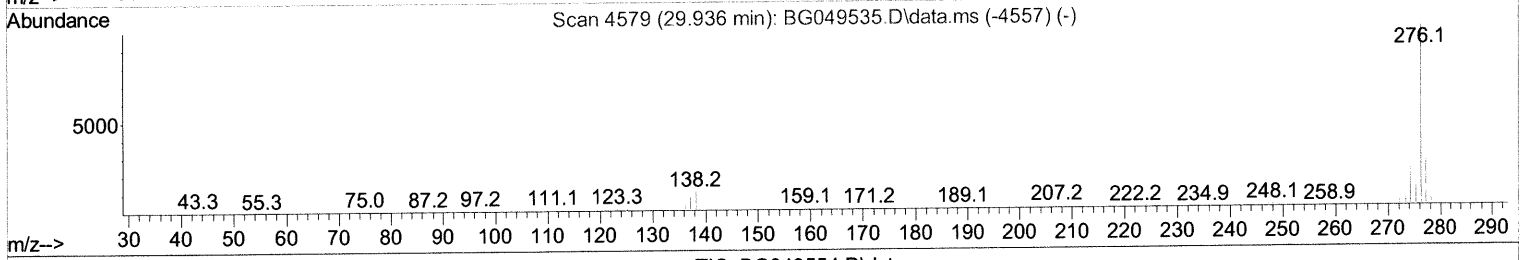

TIC: BG049554.D\data.ms

(96) Benzo(g,h,i)perylene

29.949min (+ 0.047) 47.50 ng/ul m 08/02/21 JU

response 371226

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.50	9.93#
277.00	25.80	26.71
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	8.049	152	21715	20.000	ng/ul	0.00
20) Naphthalene-d8	10.869	136	90114	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.699	164	63188	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.448	188	141920	20.000	ng/ul	0.00
79) Chrysene-d12	21.731	240	132071	20.000	ng/ul	0.00
88) Perylene-d12	25.009	264	135497	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.432	96	3676	7.745	ng/uL	0.00
4) Pyridine-d5	3.849	84	51252	37.594	ng/ul	0.00
7) Phenol-d5	7.203	99	76569	39.854	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.368	67	41894	38.501	ng/ul	0.00
11) 2-Chlorophenol-d4	7.579	132	56108	40.741	ng/ul	0.00
15) 4-Methylphenol-d8	8.754	113	58026	40.069	ng/ul	0.00
21) Nitrobenzene-d5	9.218	128	27233	39.307	ng/ul	0.00
24) 2-Nitrophenol-d4	9.941	143	32659	40.227	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	58557	39.657	ng/ul	0.00
31) 4-Chloroaniline-d4	11.004	131	76235	37.045	ng/ul	0.00
46) Dimethylphthalate-d6	14.100	166	188015	38.844	ng/ul	0.00
49) Acenaphthylene-d8	14.394	160	222372	39.555	ng/ul	0.00
54) 4-Nitrophenol-d4	14.899	143	31313	39.284	ng/ul	0.01
60) Fluorene-d10	15.692	176	165865	39.777	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.809	200	35240	40.071	ng/ul	0.00
73) Anthracene-d10	17.548	188	259093	39.280	ng/ul	0.00
81) Pyrene-d10	19.833	212	308505	45.683	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.786	264	297027	41.708	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.461	88	8777	13.529	ng/uL	96
5) Pyridine	3.873	79	61574	42.224	ng/ul	99
6) Benzaldehyde	7.180	77	57347	50.022	ng/ul	97
8) Phenol	7.227	94	84961	45.270	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.462	93	55622	43.018	ng/ul	94
12) 2-Chlorophenol	7.609	128	61615	46.472	ng/ul	94
13) 2-Methylphenol	8.490	108	64242	44.912	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.578	45	65725	43.377	ng/ul	96
16) Acetophenone	8.872	105	103178	44.268	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.854	70	53968	44.903	ng/ul#	90
18) 4-Methylphenol	8.819	108	66817	44.402	ng/ul	93
19) Hexachloroethane	9.136	117	27443	45.946	ng/ul	84
22) Nitrobenzene	9.259	77	90259	43.632	ng/ul#	96
23) Isophorone	9.782	82	149612	43.162	ng/ul	97
25) 2-Nitrophenol	9.976	139	36075	47.216	ng/ul	90
26) 2,4-Dimethylphenol	10.029	107	67799	37.233	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.264	93	75881	43.891	ng/ul	97
29) 2,4-Dichlorophenol	10.517	162	62887	43.567	ng/ul	94
30) Naphthalene	10.922	128	200732	43.245	ng/ul	99
32) 4-Chloroaniline	11.028	127	78867	40.289	ng/ul	90
33) Hexachlorobutadiene	11.204	225	47692	43.216	ng/ul	99
34) Caprolactam	11.791	113	20964m	> 42.704	ng/ul	> 08/02/21 JU
35) 4-Chloro-3-methylphenol	12.150	107	75022	46.192	ng/ul	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.526	142	147710	43.479	ng/ul	97
37) 1-Methylnaphthalene	12.743	142	144693	42.148	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	12.896	216	80714	42.978	ng/ul	97
40) Hexachlorocyclopentadiene	12.872	237	29398	25.979	ng/ul	98
41) 2,4,6-Trichlorophenol	13.131	196	54192	46.956	ng/ul#	74
42) 2,4,5-Trichlorophenol	13.207	196	56318	45.693	ng/ul	95
43) 1,1'-Biphenyl	13.530	154	191278	42.509	ng/ul	98
44) 2-Chloronaphthalene	13.577	162	152248	43.482	ng/ul	96
45) 2-Nitroaniline	13.777	65	57301	46.114	ng/ul	94
47) Dimethylphthalate	14.147	163	200610	42.619	ng/ul	99
48) 2,6-Dinitrotoluene	14.270	165	42289	45.017	ng/ul	95
50) Acenaphthylene	14.423	152	230433	42.921	ng/ul	96
51) 3-Nitroaniline	14.599	138	42002	44.830	ng/ul#	77
52) Acenaphthene	14.764	153	168665	43.802	ng/ul	98
53) 2,4-Dinitrophenol	14.817	184	22376	47.809	ng/ul#	79
55) 4-Nitrophenol	14.911	109	46270	42.809	ng/ul	95
56) Dibenzofuran	15.099	168	231523	44.529	ng/ul	99
57) 2,4-Dinitrotoluene	15.063	165	64342	48.320	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.328	232	53263	47.620	ng/ul#	93
59) Diethylphthalate	15.510	149	209763	43.059	ng/ul	97
61) Fluorene	15.751	166	193447	43.827	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.739	204	102894	44.781	ng/ul#	87
63) 4-Nitroaniline	15.768	138	44867	48.292	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.827	198	35151	43.420	ng/ul#	82
67) N-Nitrosodiphenylamine	15.950	169	165570	44.516	ng/ul	98
68) 4-Bromophenyl-phenylether	16.632	248	68780	43.525	ng/ul	94
69) Hexachlorobenzene	16.755	284	80262	44.891	ng/ul	95
70) Atrazine	16.896	200	73987	43.555	ng/ul	97
71) Pentachlorophenol	17.102	266	39019	47.133	ng/ul	89
72) Phenanthrene	17.495	178	320839	43.425	ng/ul	98
74) Anthracene	17.584	178	311561	41.614	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.501	216	84554	43.845	ng/uL	97
76) Pentachlorobenzene	15.022	250	91650	44.918	ng/uL	94
77) Carbazole	17.854	167	285750	42.690	ng/ul	99
78) Di-n-butylphthalate	18.406	149	358146	43.027	ng/ul	98
80) Fluoranthene	19.504	202	393760	48.020	ng/ul	99
82) Pyrene	19.863	202	389274	47.815	ng/ul	99
83) Butylbenzylphthalate	20.744	149	153775	48.515	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.625	252	134959	44.473	ng/ul	100
85) Benzo(a)anthracene	21.713	228	372302	46.107	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.608	149	220648	46.907	ng/ul	96
87) Chrysene	21.778	228	353840	45.783	ng/ul	97
89) Di-n-octyl phthalate	22.835	149	365884	45.938	ng/ul	100
90) Benzo(b)fluoranthene	23.969	252	404348m	> 47.612	ng/ul	> 08/02/2021
91) Benzo(k)fluoranthene	24.034	252	366903	44.144	ng/ul	100
93) Benzo(a)pyrene	24.862	252	337915	45.865	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.768	276	448727	47.733	ng/ul	98
95) Dibenzo(a,h)anthracene	28.833	278	373337	47.991	ng/ul	97
96) Benzo(g,h,i)perylene	29.949	276	371226m	> 47.497	ng/ul	> 08/02/2021

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