Quantitation Report (Qedit)

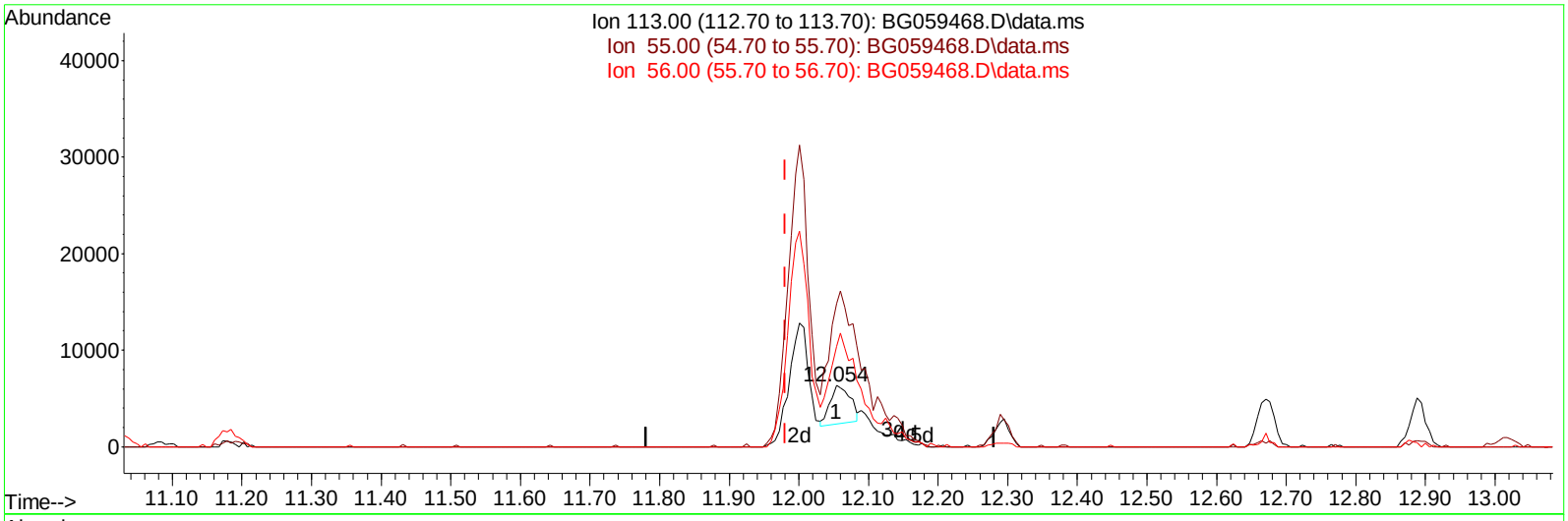
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
Data File : BG059468.D
Acq On : 17 Oct 2023 21:43
Operator : MA/JU
Sample : SSTD08053
Misc :
ALS Vial : 7 Sample Multiplier: 1

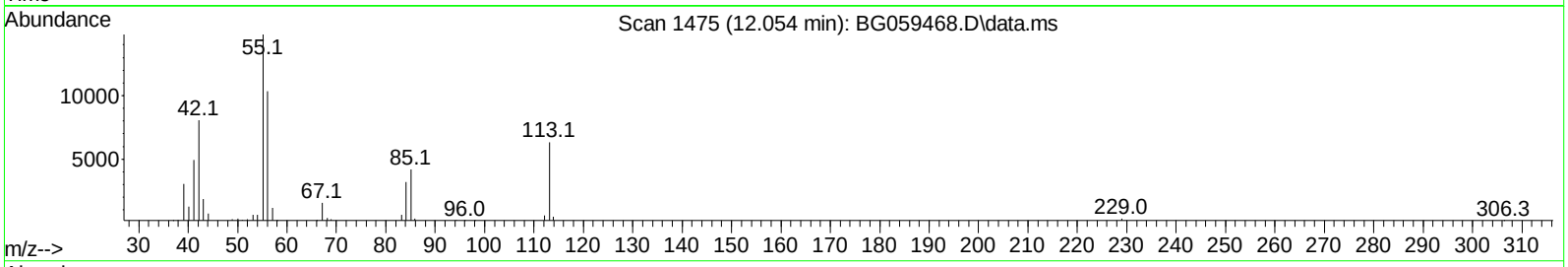
Quant Time: Oct 18 03:57:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 18 03:51:17 2023
Response via : Initial Calibration

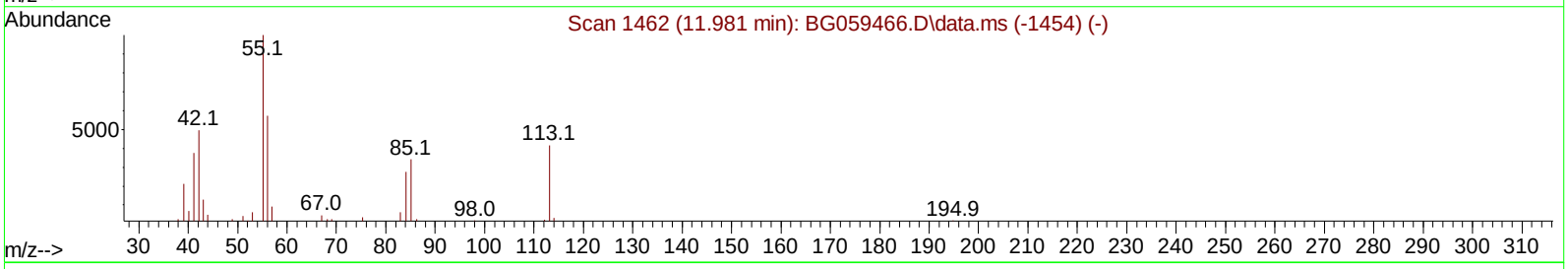
Instrument :
BNA_G
ClientSampleId :
SSTD080417

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023







TIC: BG059468.D\data.ms

(34) Caprolactam

12.054min (+ 0.073) 11.96 ng/ul

response 7889

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	239.70	233.25
56.00	137.00	163.28
0.00	0.00	0.00

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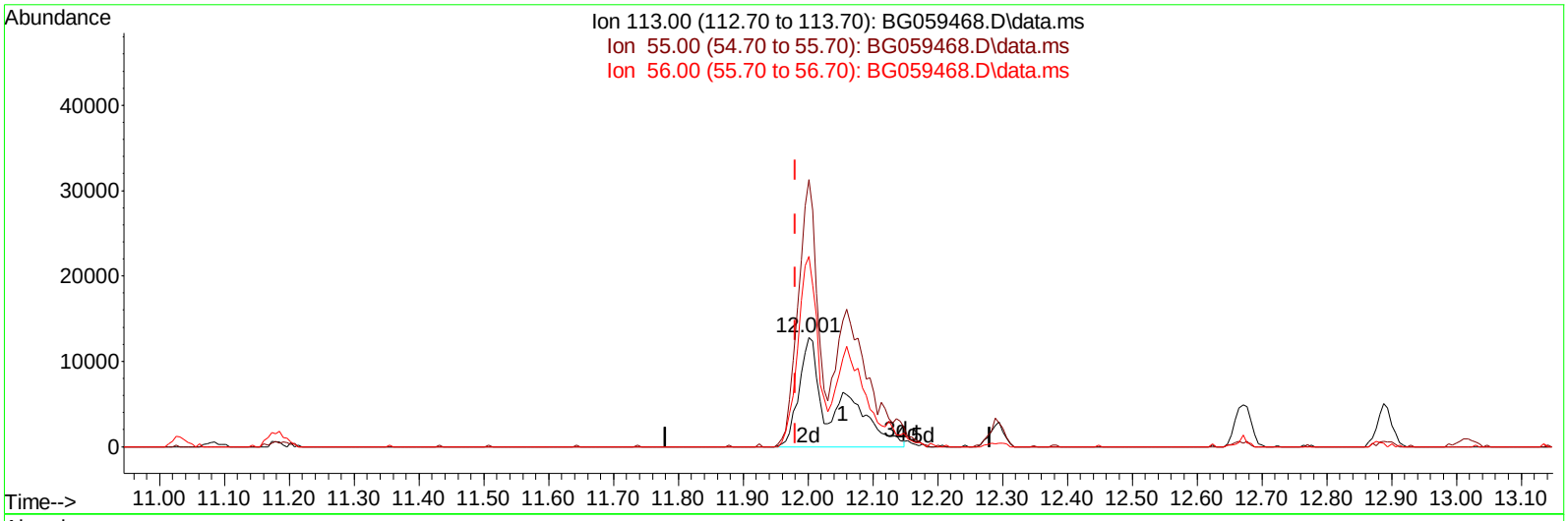

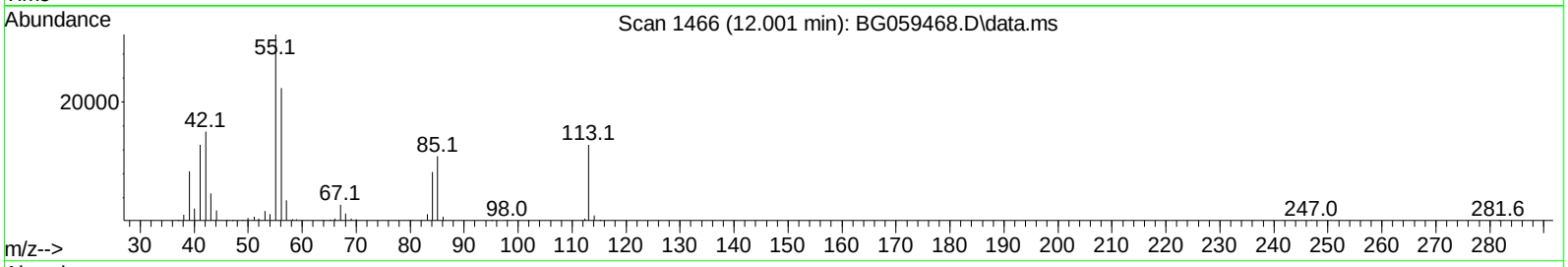

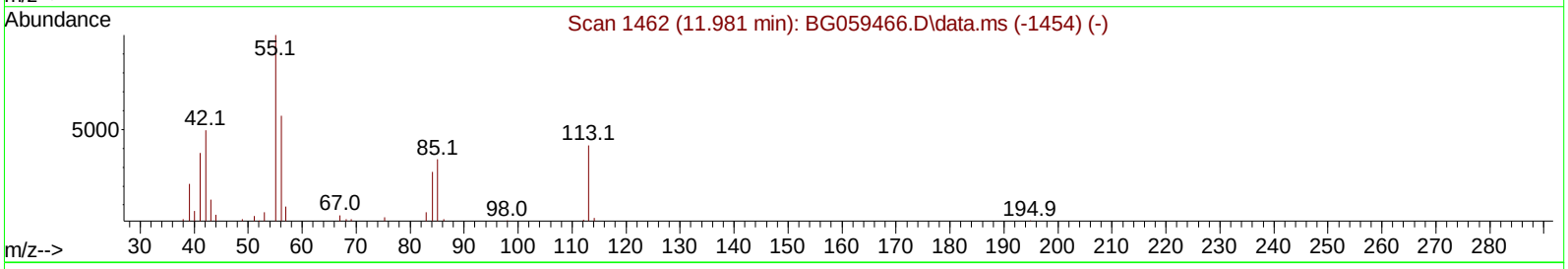

TIC: BG059468.D\data.ms

(34) Caprolactam

12.001min (+ 0.020) 74.63 ng/ul m

response 49211

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	239.70	243.89
56.00	137.00	173.99#
0.00	0.00	0.00

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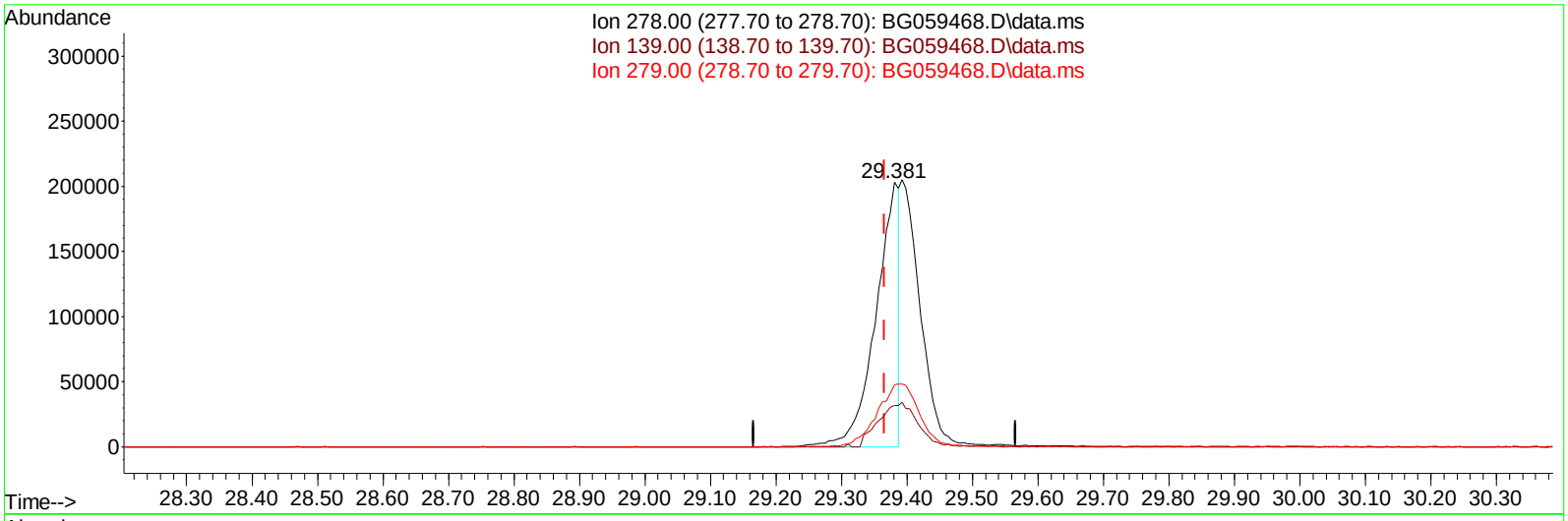

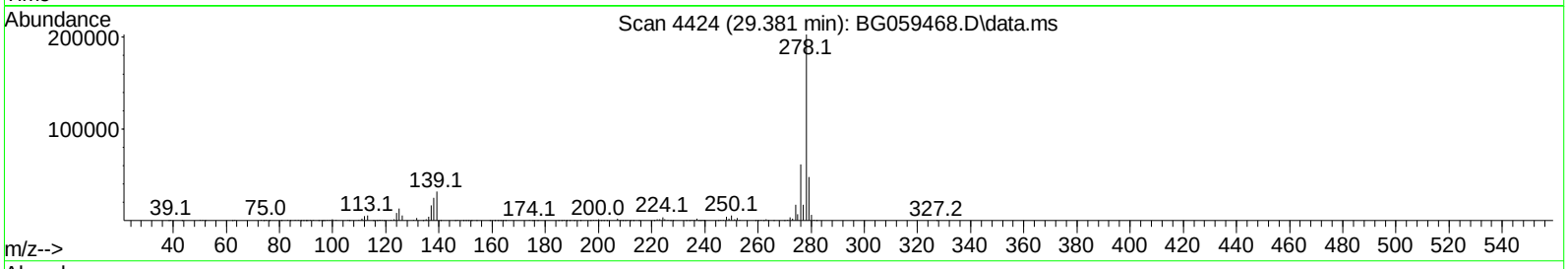

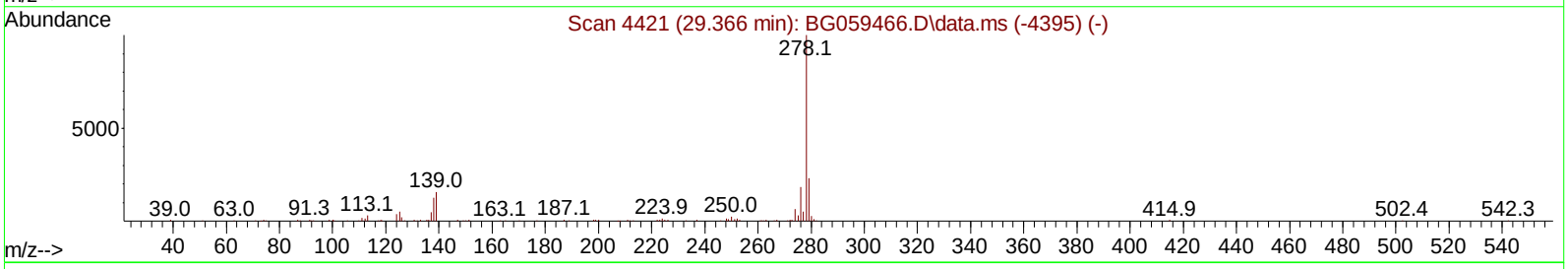

TIC: BG059468.D\data.ms

(95) Dibenzo(a,h)anthracene

29.381min (+ 0.014) 43.61 ng/ul

response 495226

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	15.70	15.59
279.00	23.20	23.40
0.00	0.00	0.00

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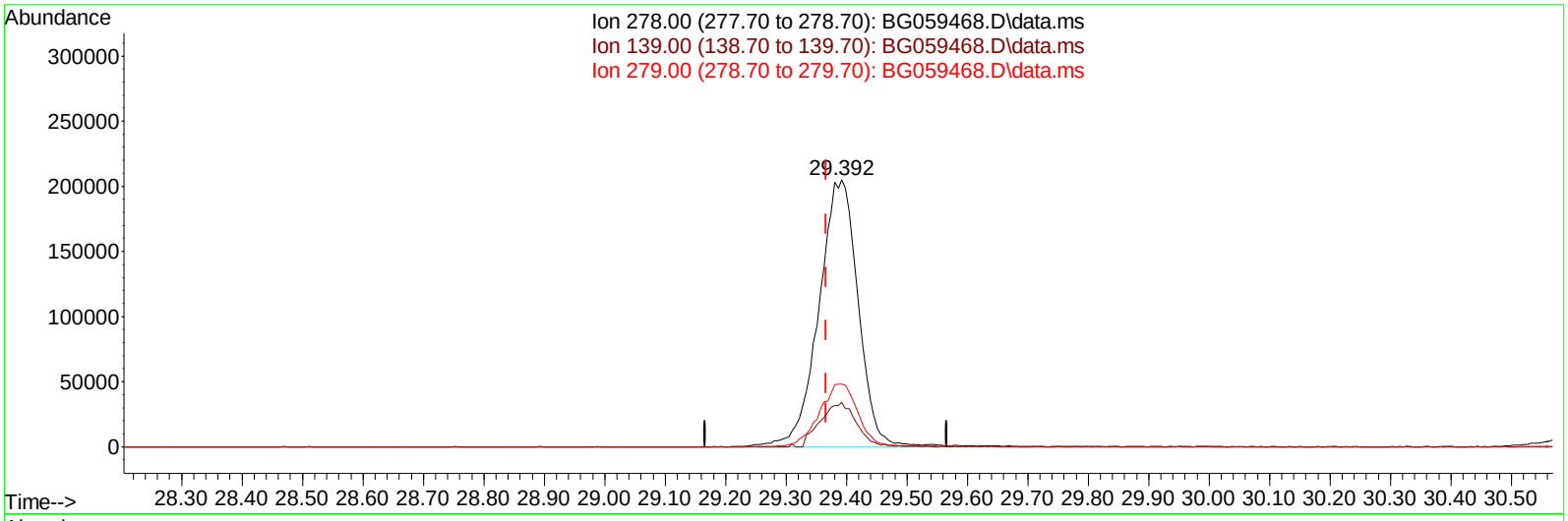

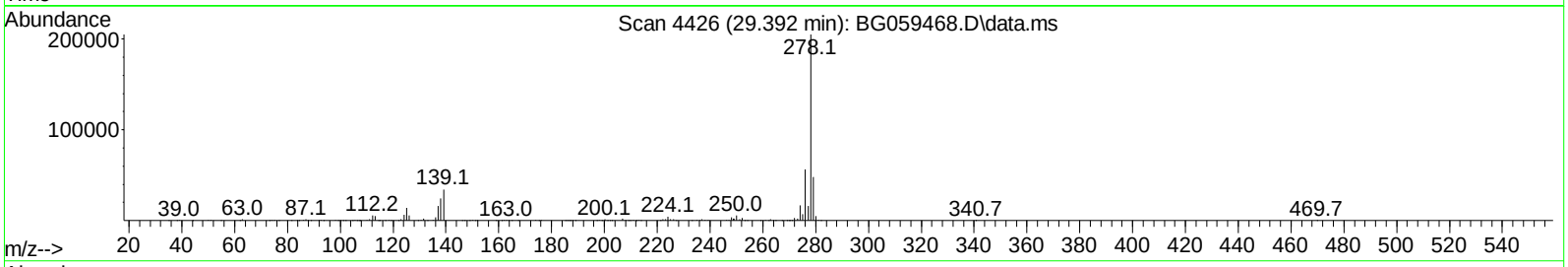

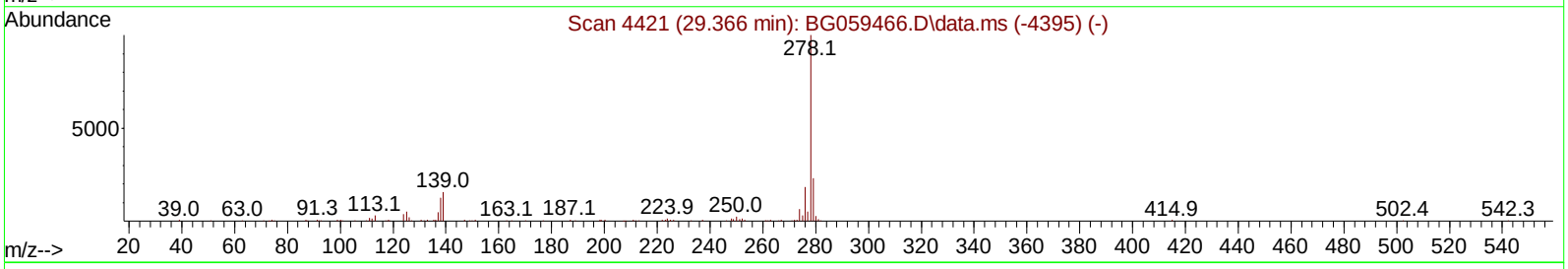

TIC: BG059468.D\data.ms

(95) Dibenzo(a,h)anthracene

29.392min (+ 0.026) 81.62 ng/ul m

response 926898

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	15.70	16.68
279.00	23.20	23.56
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.188	152	26557	20.000	ng/ul	0.00
20) Naphthalene-d8	11.032	136	117048	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.827	164	70483	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.577	188	161911	20.000	ng/ul	0.00
79) Chrysene-d12	21.878	240	158858	20.000	ng/ul	0.00
88) Perylene-d12	25.321	264	185281	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.482	96	23389	28.757	ng/uL	0.00
4) Pyridine-d5	3.916	84	275455	112.004	ng/ul	0.00
7) Phenol-d5	7.318	99	214265	74.200	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.512	67	118235	72.440	ng/ul	0.00
11) 2-Chlorophenol-d4	7.712	132	164804	79.779	ng/ul	0.00
15) 4-Methylphenol-d8	8.893	113	162168	74.422	ng/ul	0.00
21) Nitrobenzene-d5	9.392	128	80823	83.929	ng/ul	0.00
24) 2-Nitrophenol-d4	10.109	143	86259	91.471	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.638	165	157394	79.554	ng/ul	0.00
31) 4-Chloroaniline-d4	11.178	131	238991	77.291	ng/ul	0.00
46) Dimethylphthalate-d6	14.228	166	466762	78.263	ng/ul	0.00
49) Acenaphthylene-d8	14.533	160	512619	70.684	ng/ul	0.00
54) 4-Nitrophenol-d4	15.033	143	90457	86.687	ng/ul	0.01
60) Fluorene-d10	15.820	176	436823	77.019	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.938	200	89109	90.632	ng/ul	0.00
73) Anthracene-d10	17.683	188	676365	80.986	ng/ul	0.00
81) Pyrene-d10	19.956	212	764803	78.142	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.086	264	811111	78.900	ng/ul	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.517	88	26377	25.790	ng/uL	96
5) Pyridine	3.934	79	281771	117.344	ng/ul	94
6) Benzaldehyde	7.336	77	80681	63.856	ng/ul	95
8) Phenol	7.348	94	209016	73.159	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.606	93	160859	70.732	ng/ul	94
12) 2-Chlorophenol	7.741	128	164491	76.634	ng/ul	98
13) 2-Methylphenol	8.623	108	155102	73.934	ng/ul	89
14) 2,2'-oxybis(1-Chloropr...	8.699	45	334714	71.642	ng/ul#	96
16) Acetophenone	9.040	105	239825	72.884	ng/ul	97
17) N-Nitroso-di-n-propyla...	9.010	70	111671	73.705	ng/ul	93
18) 4-Methylphenol	8.958	108	167575	73.481	ng/ul	90
19) Hexachloroethane	9.275	117	60637	74.333	ng/ul	87
22) Nitrobenzene	9.433	77	169571	78.639	ng/ul	99
23) Isophorone	9.945	82	344046	75.970	ng/ul	95
25) 2-Nitrophenol	10.144	139	90394	86.978	ng/ul	96
26) 2,4-Dimethylphenol	10.174	107	163055	76.582	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.426	93	216428	74.306	ng/ul	97
29) 2,4-Dichlorophenol	10.661	162	156124	81.653	ng/ul#	85
30) Naphthalene	11.084	128	539334	75.915	ng/ul	97
32) 4-Chloroaniline	11.208	127	219904	74.714	ng/ul	90
33) Hexachlorobutadiene	11.308	225	98641	78.245	ng/ul	99
34) Caprolactam	12.001	113	49211m	74.628	ng/ul	
35) 4-Chloro-3-methylphenol	12.289	107	149790	78.303	ng/ul	91

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/18/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.671	142	349668	77.120	ng/ul	98
37) 1-Methylnaphthalene	12.888	142	351282	75.378	ng/ul#	100
39) 1,2,4,5-Tetrachloroben...	13.017	216	184462	79.786	ng/ul	97
40) Hexachlorocyclopentadiene	12.970	237	116509	86.996	ng/ul	92
41) 2,4,6-Trichlorophenol	13.264	196	120794	85.665	ng/ul	95
42) 2,4,5-Trichlorophenol	13.335	196	125818	82.045	ng/ul	97
43) 1,1'-Biphenyl	13.670	154	494821	77.633	ng/ul	98
44) 2-Chloronaphthalene	13.723	162	378309	77.248	ng/ul	97
45) 2-Nitroaniline	13.946	65	110698	85.679	ng/ul	95
47) Dimethylphthalate	14.275	163	471638	79.056	ng/ul	97
48) 2,6-Dinitrotoluene	14.422	165	94531	86.505	ng/ul	97
50) Acenaphthylene	14.563	152	599951	78.592	ng/ul	99
51) 3-Nitroaniline	14.762	138	99338	83.938	ng/ul#	89
52) Acenaphthene	14.898	153	413393	78.647	ng/ul	96
53) 2,4-Dinitrophenol	14.962	184	57198	96.389	ng/ul	95
55) 4-Nitrophenol	15.050	109	63207	84.388	ng/ul	91
56) Dibenzofuran	15.227	168	551988	77.250	ng/ul	98
57) 2,4-Dinitrotoluene	15.203	165	138486	87.629	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.438	232	118119	84.996	ng/ul#	93
59) Diethylphthalate	15.620	149	450688	77.898	ng/ul	97
61) Fluorene	15.879	166	458297	77.567	ng/ul	89
62) 4-Chlorophenyl-phenyle...	15.855	204	232784	77.371	ng/ul	97
63) 4-Nitroaniline	15.932	138	91581	78.741	ng/ul#	81
66) 4,6-Dinitro-2-methylph...	15.955	198	91112	87.514	ng/ul#	90
67) N-Nitrosodiphenylamine	16.079	169	385273	80.444	ng/ul	95
68) 4-Bromophenyl-phenylether	16.754	248	135595	76.805	ng/ul	93
69) Hexachlorobenzene	16.848	284	156458	77.553	ng/ul	94
70) Atrazine	17.019	200	141547	75.913	ng/ul	95
71) Pentachlorophenol	17.207	266	99096	86.334	ng/ul	90
72) Phenanthrene	17.624	178	793612	78.626	ng/ul	98
74) Anthracene	17.718	178	816494	78.894	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.629	216	183278	78.401	ng/uL	96
76) Pentachlorobenzene	15.121	250	178999	78.570	ng/uL	94
77) Carbazole	17.994	167	694836	77.638	ng/ul#	96
78) Di-n-butylphthalate	18.493	149	820239	81.299	ng/ul	98
80) Fluoranthene	19.622	202	941443	80.708	ng/ul	97
82) Pyrene	19.986	202	977041	77.995	ng/ul	99
83) Butylbenzylphthalate	20.838	149	366322	86.791	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.772	252	330169	79.411	ng/ul	98
85) Benzo(a)anthracene	21.854	228	984881	78.409	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.684	149	541488	88.013	ng/ul	97
87) Chrysene	21.925	228	914294	77.157	ng/ul	98
89) Di-n-octyl phthalate	22.965	149	946192	87.179	ng/ul	100
90) Benzo(b)fluoranthene	24.210	252	1006127	80.295	ng/ul	97
91) Benzo(k)fluoranthene	24.287	252	1018481	79.949	ng/ul	99
93) Benzo(a)pyrene	25.168	252	962507	79.206	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.304	276	1110015	81.322	ng/ul	99
95) Dibenzo(a,h)anthracene	29.392	278	926898m	81.617	ng/ul	
96) Benzo(g,h,i)perylene	30.591	276	1123118	100.683	ng/ul#	93

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

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