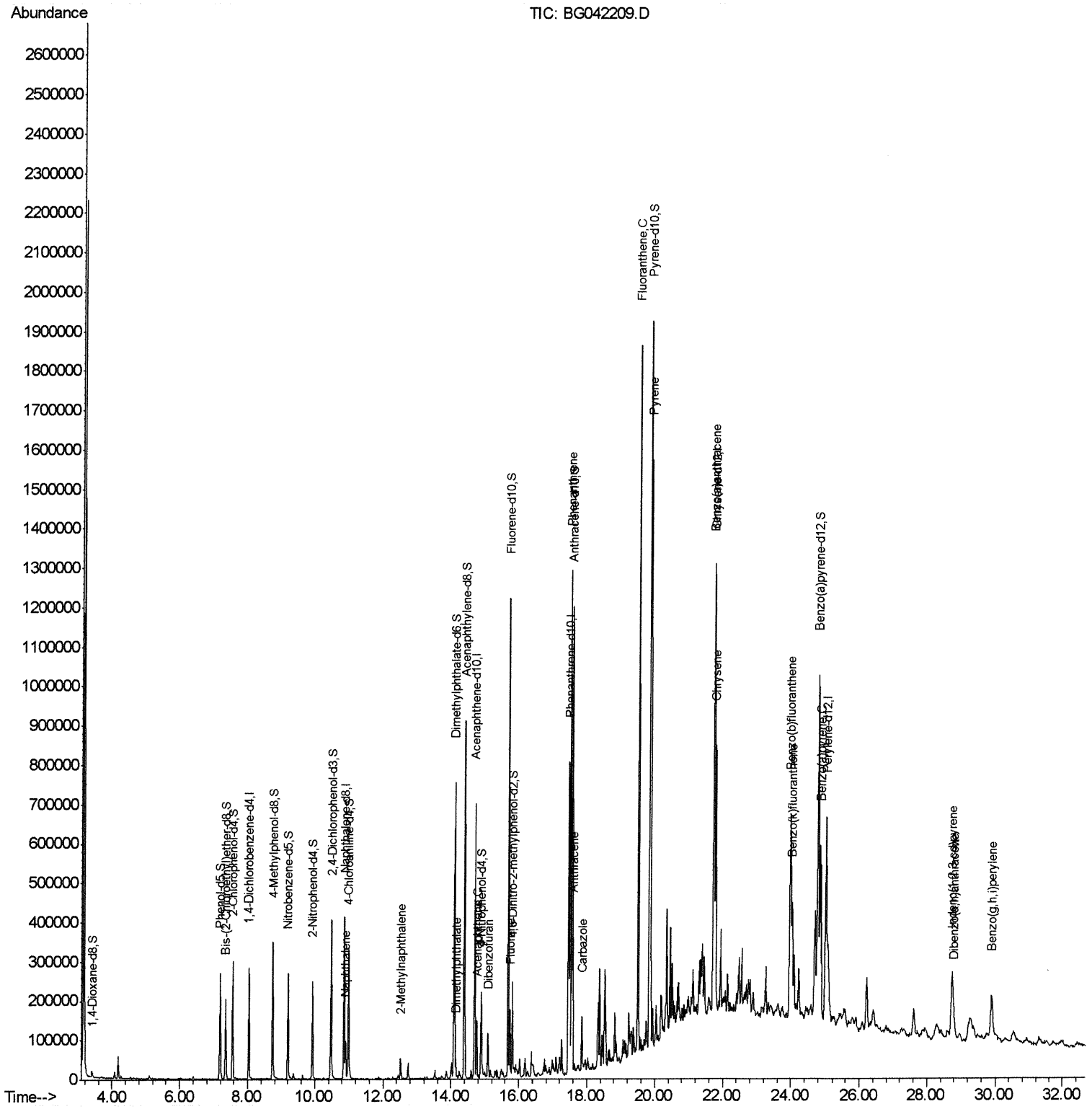
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Quant Time: Aug 14 17:32:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 10:42:59 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB5P4

Manual Integrations APPROVED
mohammad
8/15/2019 5:11:59 PM

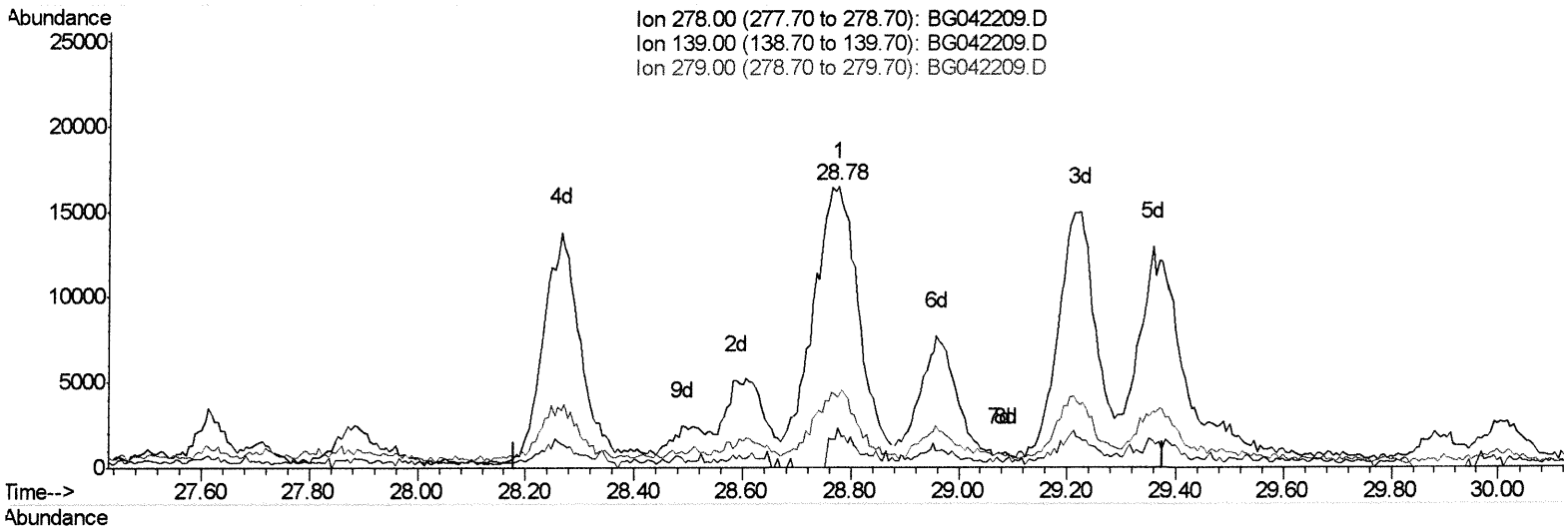


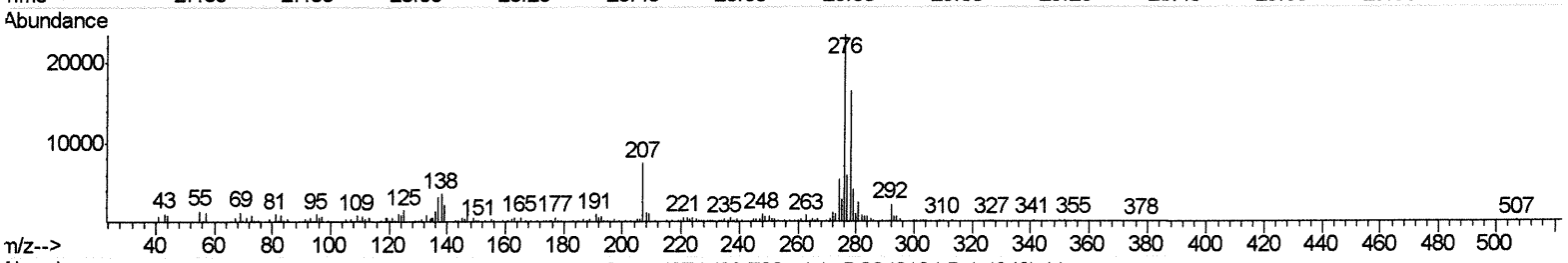
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

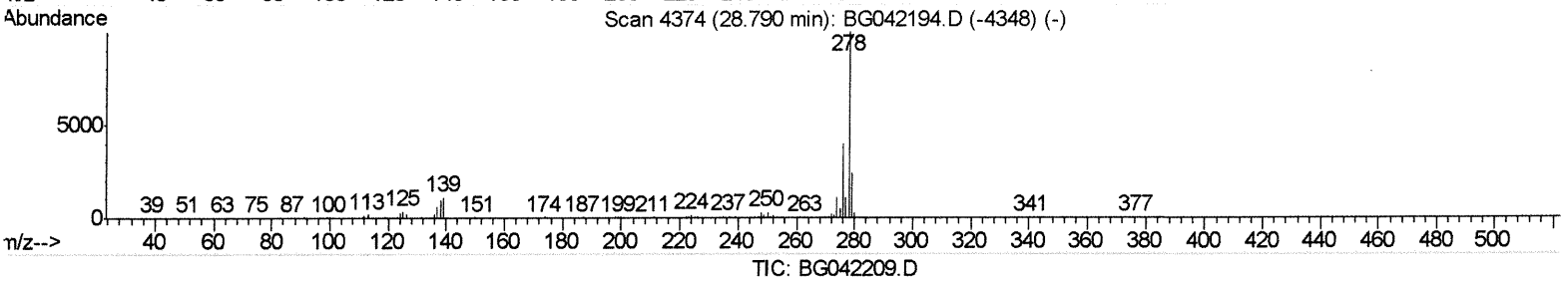
Quant Time: Aug 14 17:29:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 10:42:59 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB5P4

Manual Integrations APPROVED
mohammad
8/15/2019 5:11:59 PM







TIC: BG042209.D

(92) Dibenzo(a,h)anthracene

28.775min (-0.003) 2.29ng/ul

response 81319

Ion	Exp%	Act%
278.00	100	100
139.00	11.70	13.93
279.00	24.00	25.04
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
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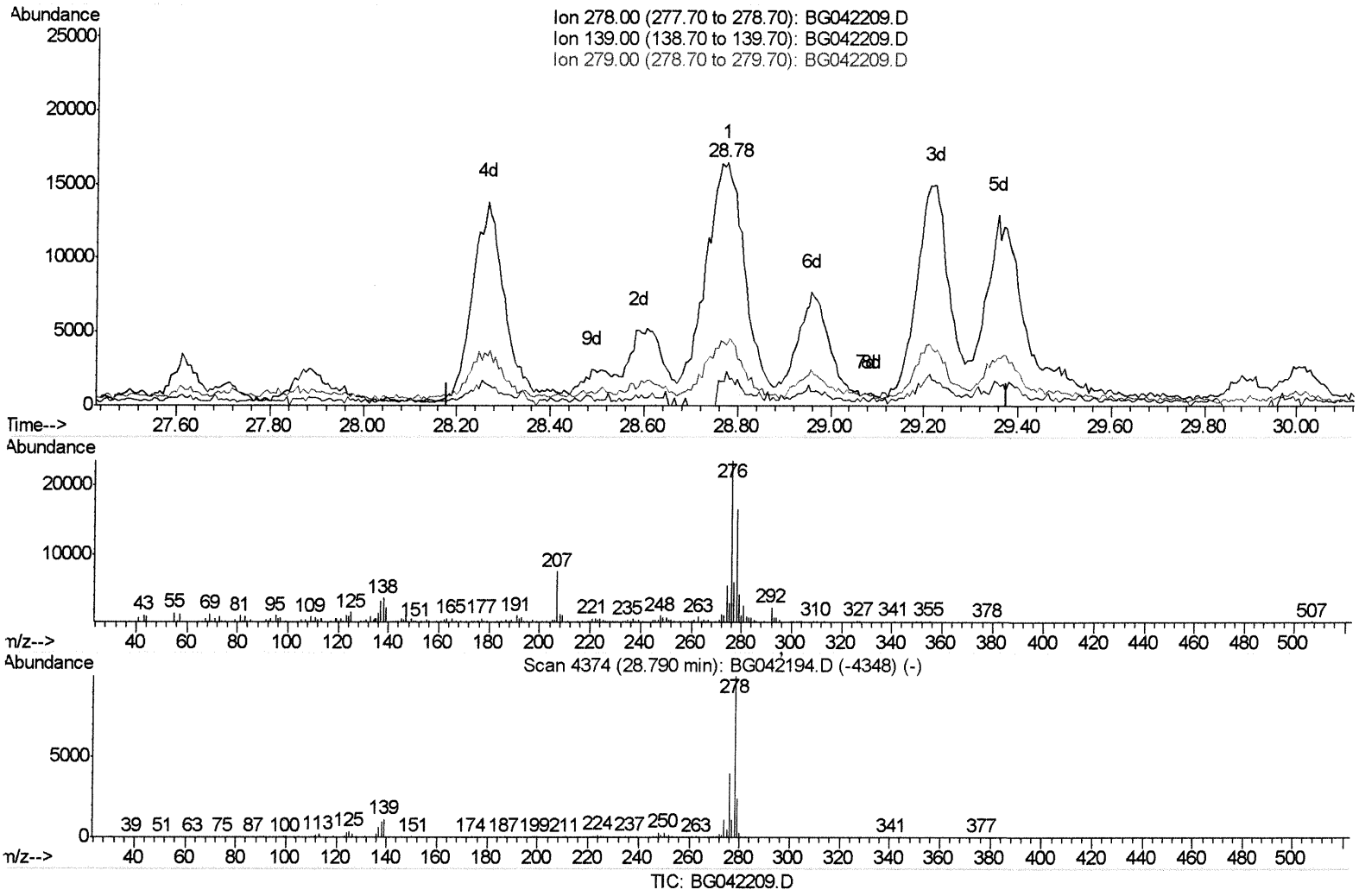
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 10:42:59 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB5P4

Manual Integrations APPROVED
mohammad
8/15/2019 5:11:59 PM



TIC: BG042209.D

(92) Dibenzo(a,h)anthracene JU 08/15/19

28.775min (-0.003) 2.53ng/ul m

response 90130

Ion	Exp%	Act%
278.00	100	100
139.00	11.70	13.93
279.00	24.00	25.04
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB5P4

Manual Integrations APPROVED
mohammad
8/15/2019 5:11:59 PM

Quant Time: Aug 14 17:32:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 10:42:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	94857	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	389747	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	266781	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	536071	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	519636	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	625039	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.41	96	7870	3.63	ng/uL	0.00
5) Phenol-d5	7.18	99	193235	25.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	96749	23.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	174973	27.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	158837	25.41	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	88312	30.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	109974	32.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	204630	29.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	229439	30.07	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	608693	29.42	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	719738	30.45	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	85602	24.64	ng/ul	0.00
57) Fluorene-d10	15.68	176	543027	29.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	86332	25.10	ng/ul	0.00
70) Anthracene-d10	17.54	188	768430	29.88	ng/ul	0.00
78) Pyrene-d10	19.83	212	882881	30.45	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	1028596	31.50	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.90	128	88179	4.426	ng/ul	98
34) 2-Methylnaphthalene	12.51	142	31165	1.968	ng/ul	97
44) Dimethylphthalate	14.13	163	33304	1.621	ng/ul	97
49) Acenaphthene	14.75	153	66115	3.964	ng/ul	94
53) Dibenzofuran	15.09	168	69219	2.781	ng/ul	99
58) Fluorene	15.73	166	80692	4.024	ng/ul	100
69) Phenanthrene	17.48	178	888805	30.286	ng/ul	98
71) Anthracene	17.57	178	225919	7.590	ng/ul	97
74) Carbazole	17.84	167	100547	4.078	ng/ul	99
76) Fluoranthene	19.49	202	1160244	34.217	ng/ul	99
79) Pyrene	19.86	202	982243	28.101	ng/ul	99
82) Benzo(a)anthracene	21.70	228	586377	16.275	ng/ul	98
84) Chrysene	21.77	228	523781	15.576	ng/ul	98
87) Benzo(b)fluoranthene	23.96	252	712647	18.168	ng/ul	100
88) Benzo(k)fluoranthene	24.02	252	270205	7.165	ng/ul	99
90) Benzo(a)pyrene	24.84	252	534166	14.291	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.72	276	318887	7.315	ng/ul	98
92) Dibenzo(a,h)anthracene	28.78	278	90130m	2.534	ng/ul	96
93) Benzo(g,h,i)perylene	29.89	276	261692	7.190	ng/ul	96

JU 08/15/19

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