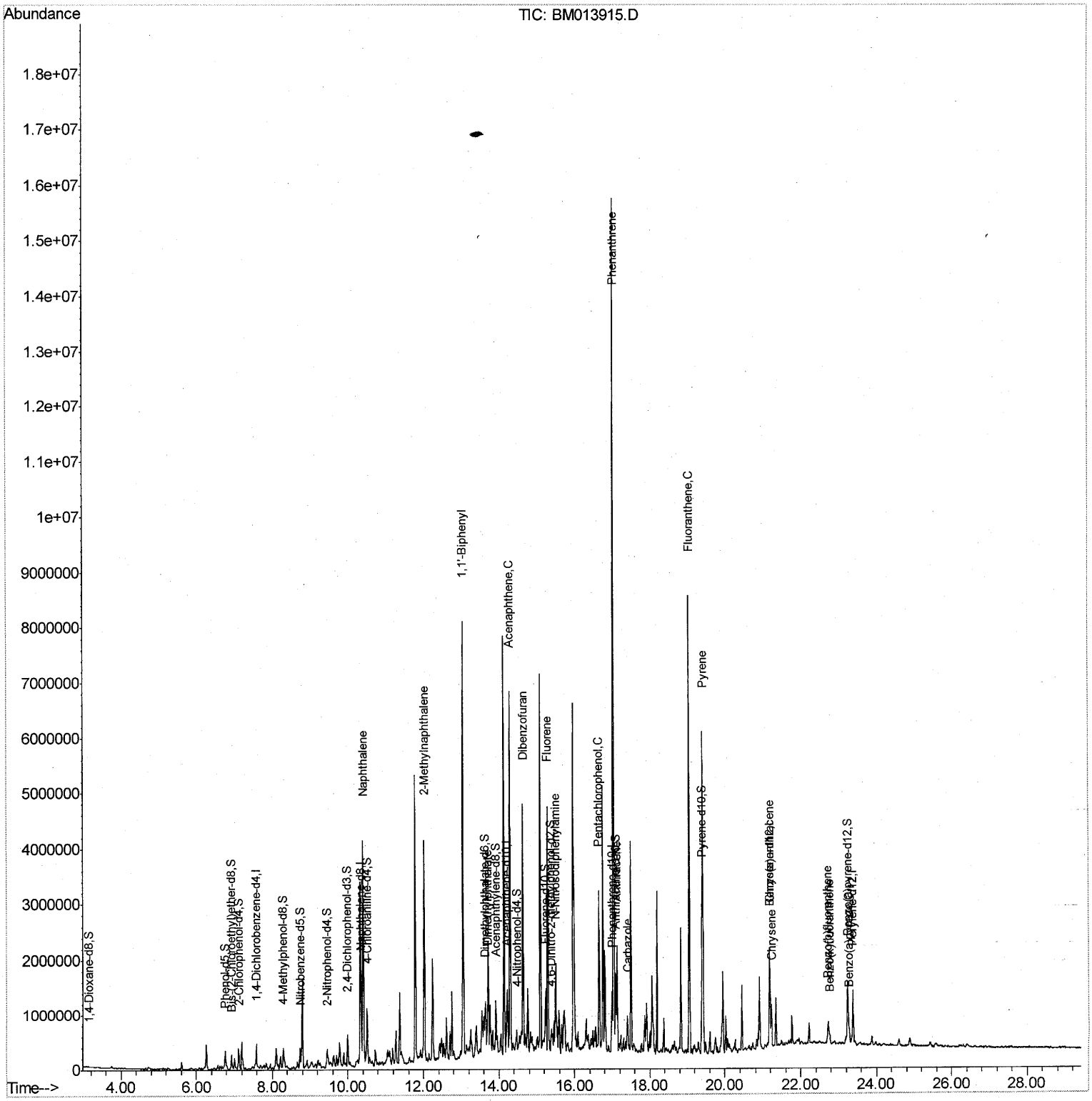
Data Path : Z:\HPCHEM1\BNA M\Data\BM012718\
Data File : BM013915.D
Acq On : 28 Jan 2018 10:19
Operator : SJ/JU
Sample : J1223-10ME
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jan 29 03:39:42 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 03:14:13 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6A76ME

Manual Integrations APPROVED
Sohil
1/29/2018 6:04:47 PM

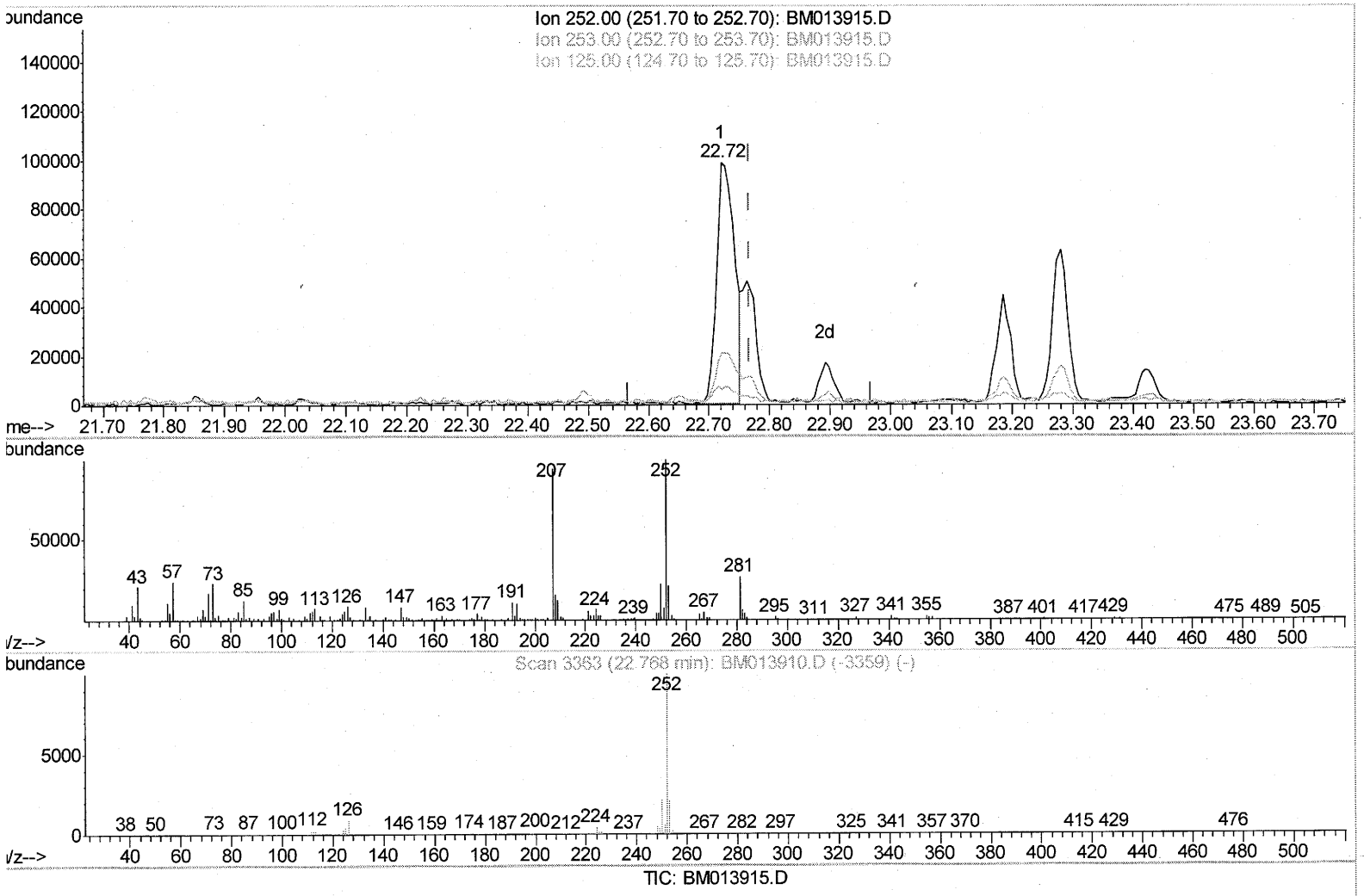


Data Path : Z:\HPCHEM1\BNA M\Data\BM012718\
Data File : BM013915.D
Acq On : 28 Jan 2018 10:19
Operator : SJ/JU
Sample : J1223-10ME
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jan 29 03:37:05 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 03:14:13 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6A76ME

Manual Integrations APPROVED
Sohil
1/29/2018 6:04:47 PM



(86) Benzo(k)fluoranthene

22.721min (-0.047) 5.02ng/ul

response 204413

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.36
125.00	4.30	6.01#
0.00	0.00	0.00

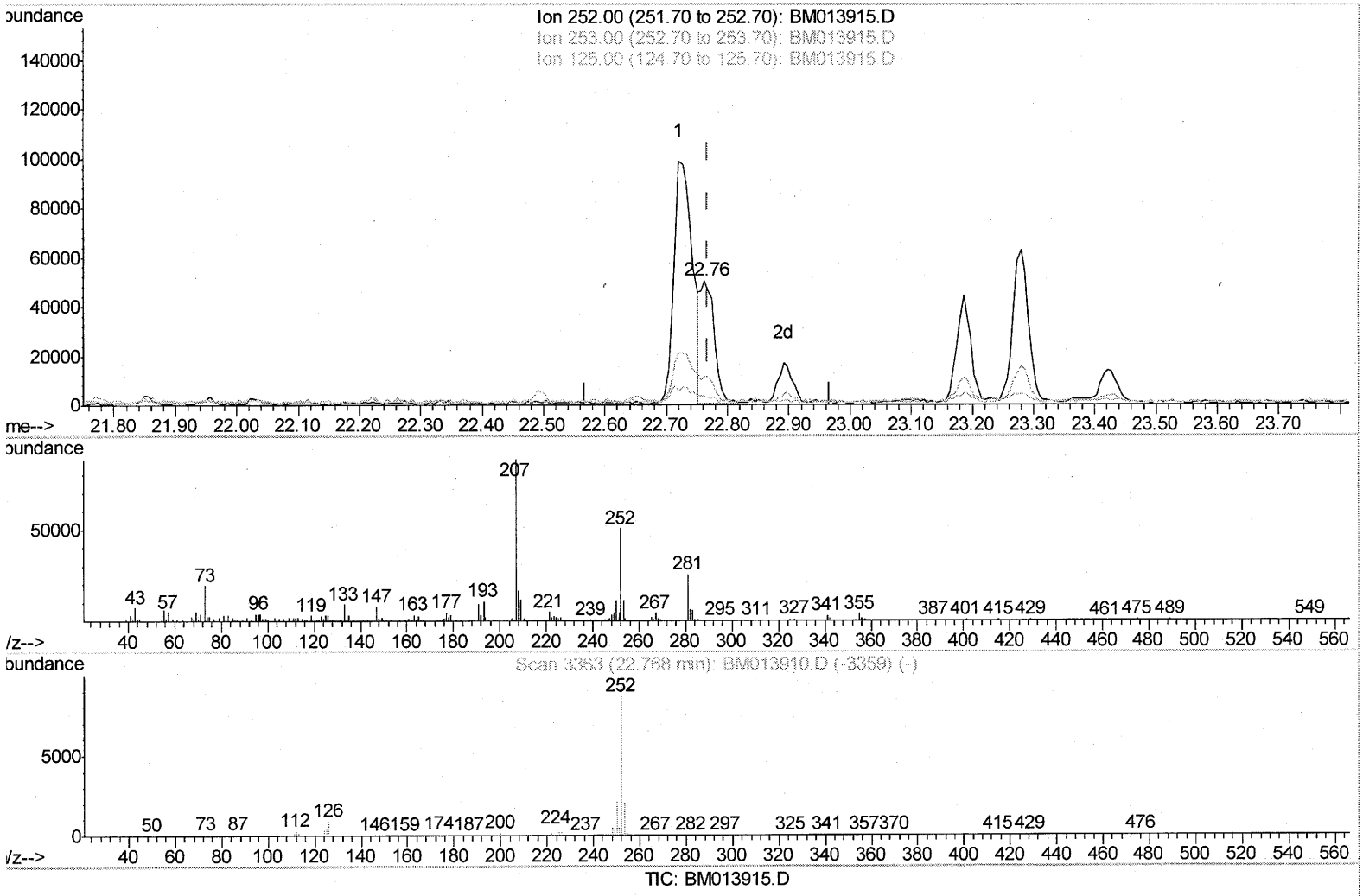
#

Data Path : Z:\HPCHEM1\BNA M\Data\BM012718\
Data File : BM013915.D
Acq On : 28 Jan 2018 10:19
Operator : SJ/JU
Sample : J1223-10ME
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jan 29 03:37:05 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 03:14:13 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6A76ME

Manual Integrations APPROVED
Sohil
1/29/2018 6:04:47 PM



(86) Benzo(k)fluoranthene

22.762min (-0.006) 2.01ng/ul m SJ 1/30/18

response 81824

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.51
125.00	4.30	7.19#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM012718\
Data File : BM013915.D
Acq On : 28 Jan 2018 10:19
Operator : SJ/JU
Sample : J1223-10ME
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6A76ME

Manual Integrations APPROVED
Sohil
1/29/2018 6:04:47 PM

Quant Time: Jan 29 03:39:42 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 03:14:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	108608	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	434328	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	271830	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	599282	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	653813	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	685715	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.15	96	8552	3.11	ng/uL	0.00
5) Phenol-d5	6.77	99	163887	19.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	109733	21.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	139834	20.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	130073	20.29	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	74095	21.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	80342	22.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	144188	20.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	154709	25.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	451618	20.16	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	583477	20.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	48001	13.18	ng/ul	0.01
57) Fluorene-d10	15.23	176	410107	20.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	49867	13.82	ng/ul	0.00
70) Anthracene-d10	17.09	188	630244	21.59	ng/ul	0.00
76) Pyrene-d10	19.39	212	722989	23.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	738523	23.43	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.40	128	2973271	137.602	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	1705820	105.886	ng/ul	94
40) 1,1'-Biphenyl	13.06	154	641264	28.341	ng/ul	97
44) Dimethylphthalate	13.70	163	47495	2.156	ng/ul	98
49) Acenaphthene	14.30	153	2500037	138.096	ng/ul	98
53) Dibenzofuran	14.64	168	2270564	83.370	ng/ul	100
58) Fluorene	15.29	166	1867515	83.710	ng/ul	98
64) N-Nitrosodiphenylamine	15.50	169	37628	2.135	ng/ul#	86
68) Pentachlorophenol	16.64	266	453451	112.000	ng/ul	98
69) Phenanthrene	17.04	178	8642088	259.431	ng/ul	99
71) Anthracene	17.12	178	1094587	31.857	ng/ul	99
72) Carbazole	17.40	167	250369	8.828	ng/ul	99
74) Fluoranthene	19.06	202	4778210	120.166	ng/ul#	96
77) Pyrene	19.42	202	3240990	81.540	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	553252	14.004	ng/ul	98
82) Chrysene	21.23	228	449251	12.396	ng/ul	98
85) Benzo(b)fluoranthene	22.72	252	204413	4.854	ng/ul#	97
86) Benzo(k)fluoranthene	22.76	252	81824m	2.010	ng/ul	
88) Benzo(a)pyrene	23.28	252	111058	2.792	ng/ul#	95

SJ 1/30/18

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