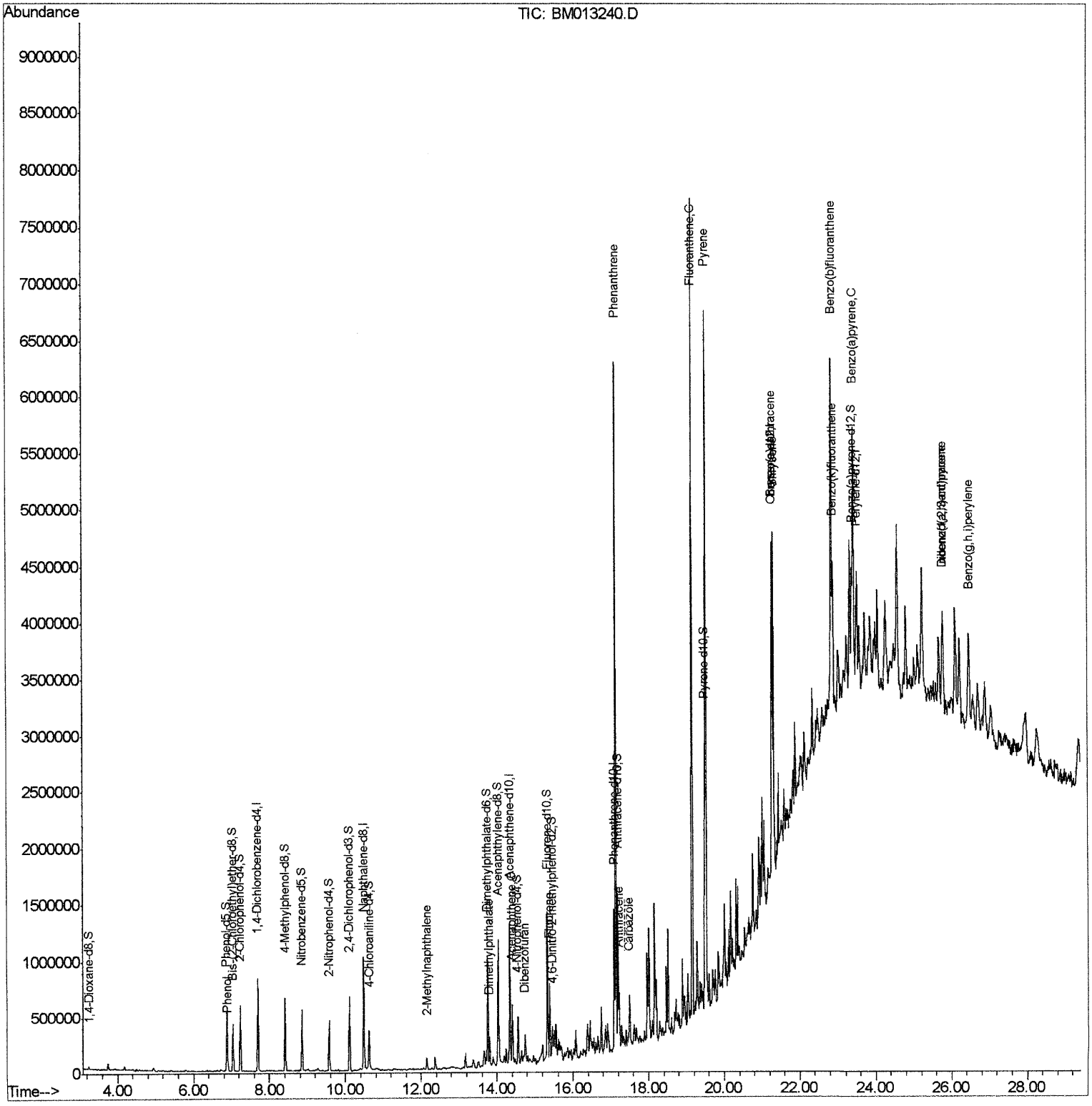
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120717\
Data File : BM013240.D
Acq On : 07 Dec 2017 13:18
Operator : SJ/JU
Sample : I6647-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 01:59:14 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 01:54:15 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0248

Manual Integrations APPROVED
Sohil
12/8/2017 11:15:17 AM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM120717\
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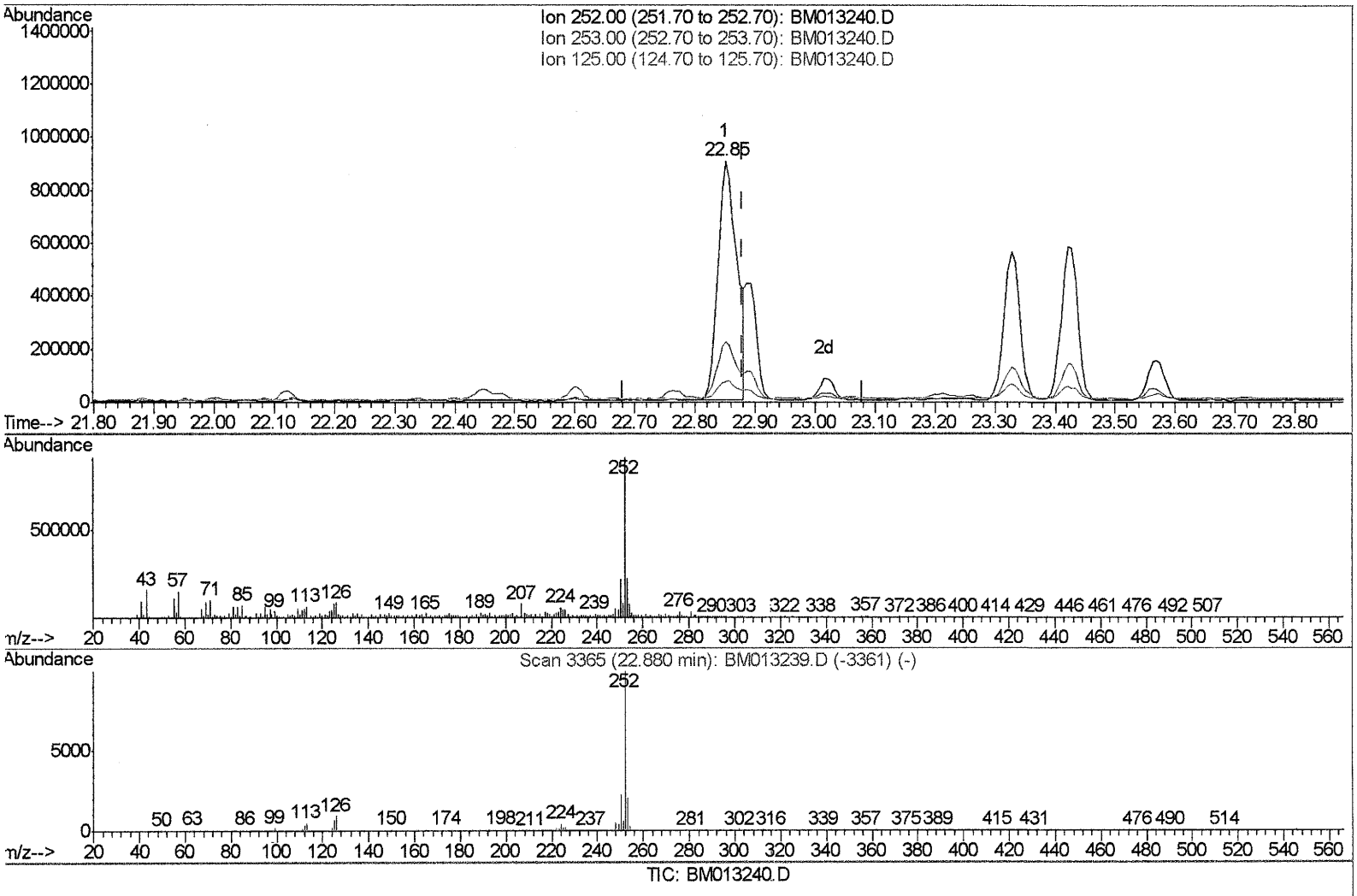
Quant Time: Dec 08 01:54:22 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 01:54:15 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0248

Manual Integrations APPROVED
Sohil
12/8/2017 11:15:17 AM



TIC: BM013240.D

(86) Benzo(k)fluoranthene

22.851min (-0.029) 41.84ng/ul

response 2007239

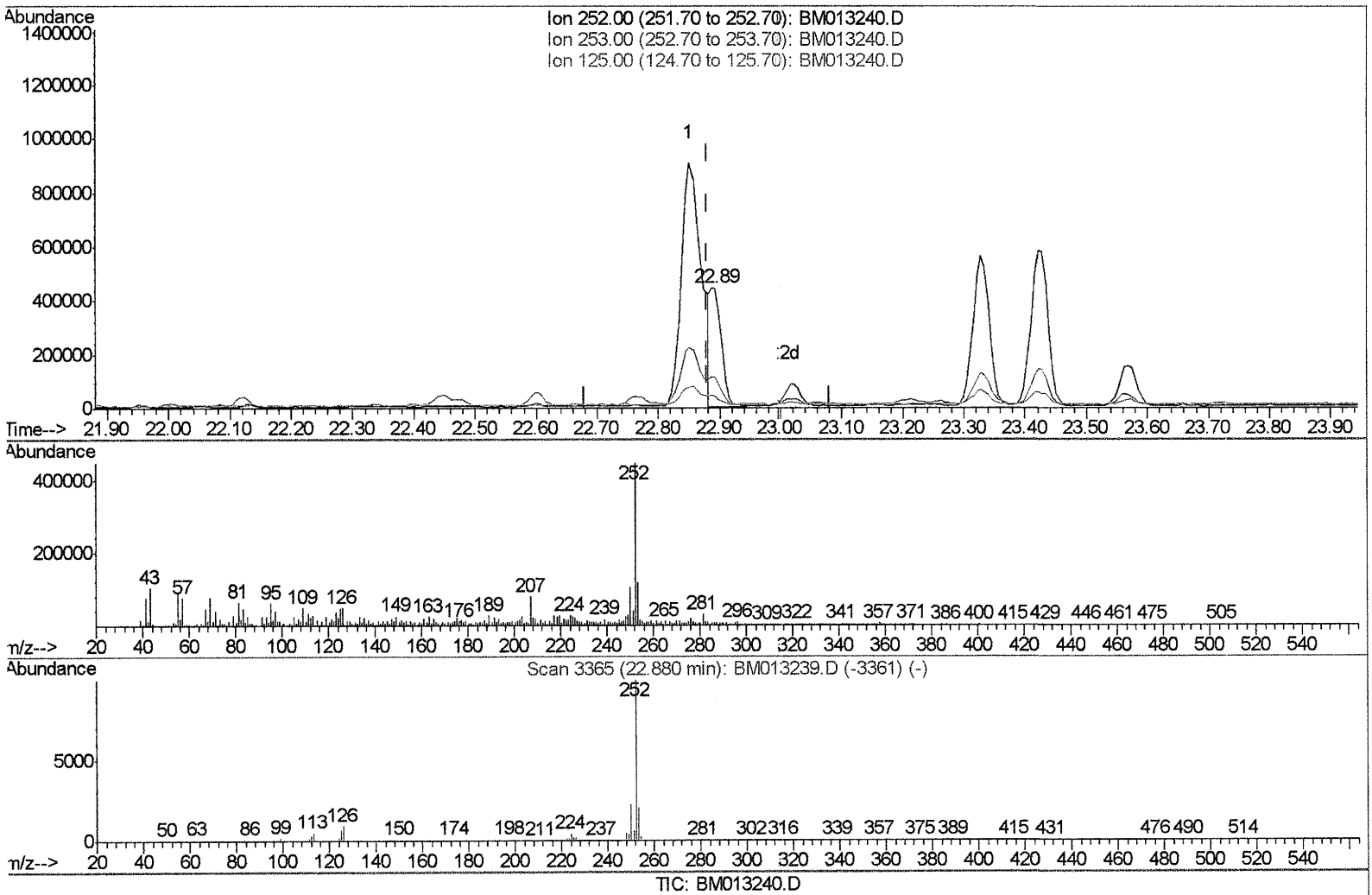
Ion	Exp%	Act%
252.00	100	100
253.00	21.40	24.95
125.00	4.30	8.77#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120717\
Data File : BM013240.D
Acq On : 07 Dec 2017 13:18
Operator : SJ/JU
Sample : I6647-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 08 01:54:22 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 01:54:15 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0248

Manual Integrations APPROVED
Sohil
12/8/2017 11:15:17 AM



TIC: BM013240.D

(86) Benzo(k)fluoranthene

22.892min (+0.012) 12.04ng/ul m> SJ 12/11/17

response 577525

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	26.04#
125.00	4.30	10.14#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120717\
Data File : BM013240.D
Acq On : 07 Dec 2017 13:18
Operator : SJ/JU
Sample : I6647-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0248

Manual Integrations APPROVED
Sohil
12/8/2017 11:15:17 AM

Quant Time: Dec 08 01:59:14 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 01:54:15 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	212364	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	805570	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	390680	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	748767	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	728186	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	756296	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.24	96	10873	2.54	ng/uL	0.00
5) Phenol-d5	6.88	99	282446	15.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	171510	16.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	243327	16.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	228346	14.55	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	120451	18.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	126107	18.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	226120	16.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	186423	14.40	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	611500	17.59	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	758682	17.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	79726	13.20	ng/ul	0.00
57) Fluorene-d10	15.33	176	485853	16.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	54410	11.55	ng/ul	0.00
70) Anthracene-d10	17.19	188	670982	17.89	ng/ul	0.00
76) Pyrene-d10	19.49	212	684376	18.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	676001	17.55	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	6.90	94	30498	1.679	ng/ul#	85
34) 2-Methylnaphthalene	12.15	142	43952	1.411	ng/ul	89
44) Dimethylphthalate	13.80	163	138922	4.178	ng/ul	99
49) Acenaphthene	14.40	153	199358	7.371	ng/ul	97
53) Dibenzofuran	14.74	168	102016	2.555	ng/ul	97
58) Fluorene	15.39	166	274067	8.298	ng/ul	99
69) Phenanthrene	17.13	178	3445312	80.992	ng/ul	100
71) Anthracene	17.22	178	323905	7.449	ng/ul	98
72) Carbazole	17.49	167	233585	6.246	ng/ul	98
74) Fluoranthene	19.16	202	4368227	83.794	ng/ul#	94
77) Pyrene	19.52	202	3805292	86.016	ng/ul#	92
80) Benzo(a)anthracene	21.26	228	1234592	26.722	ng/ul	97
82) Chrysene	21.32	228	1690450	39.438	ng/ul	97
85) Benzo(b)fluoranthene	22.85	252	2007239	39.371	ng/ul#	93
86) Benzo(k)fluoranthene	22.89	252	577525m>	12.037	ng/ul	
88) Benzo(a)pyrene	23.42	252	1099635	24.010	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	25.78	276	885494	19.486	ng/ul#	93
90) Dibenzo(a,h)anthracene	25.79	278	232073	5.998	ng/ul#	68
91) Benzo(g,h,i)perylene	26.47	276	894362	24.952	ng/ul#	92

SJ 12/11/17

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