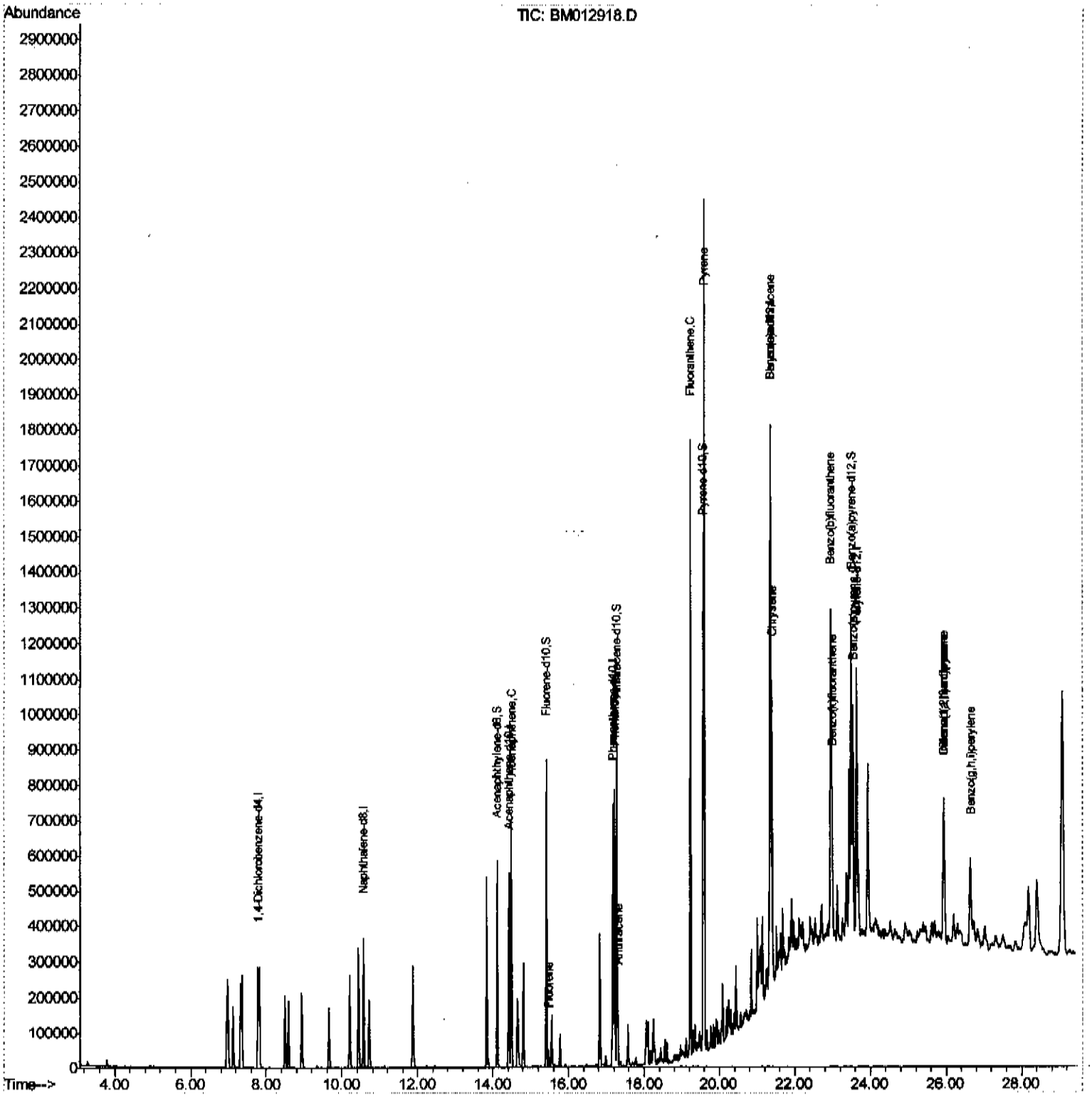
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012918.D
Acq On : 12 Nov 2017 00:44
Operator : SJ/JU
Sample : I6322-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 13 03:16:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHH9MS

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:51 PM

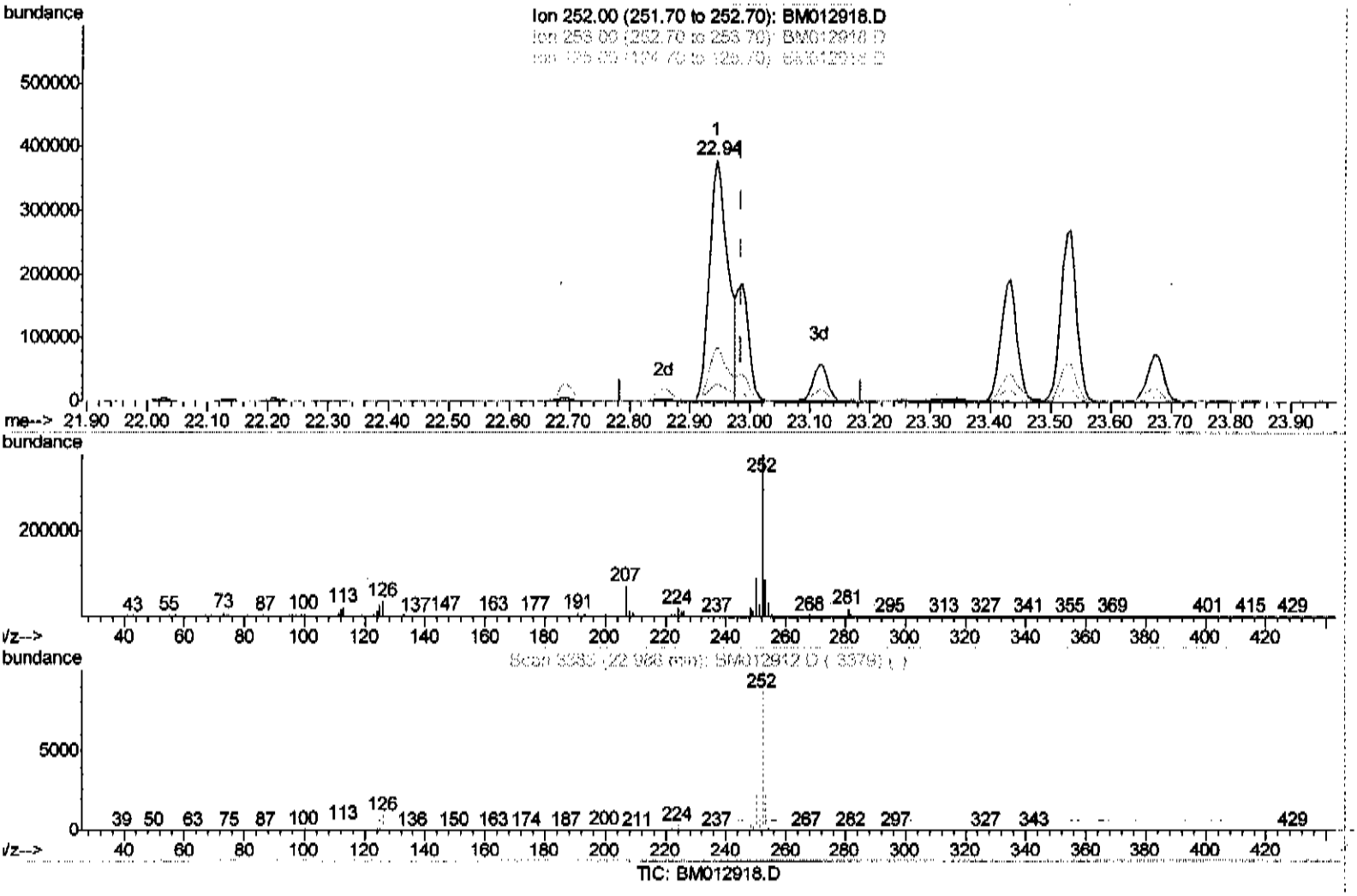


Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012918.D
Acq On : 12 Nov 2017 00:44
Operator : SJ/JU
Sample : I6322-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 13 02:10:56 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHH9MS

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:51 PM



(24) Benzo(k)fluoranthene

22.945min (-0.041) 25.33ng/ul

response 822217

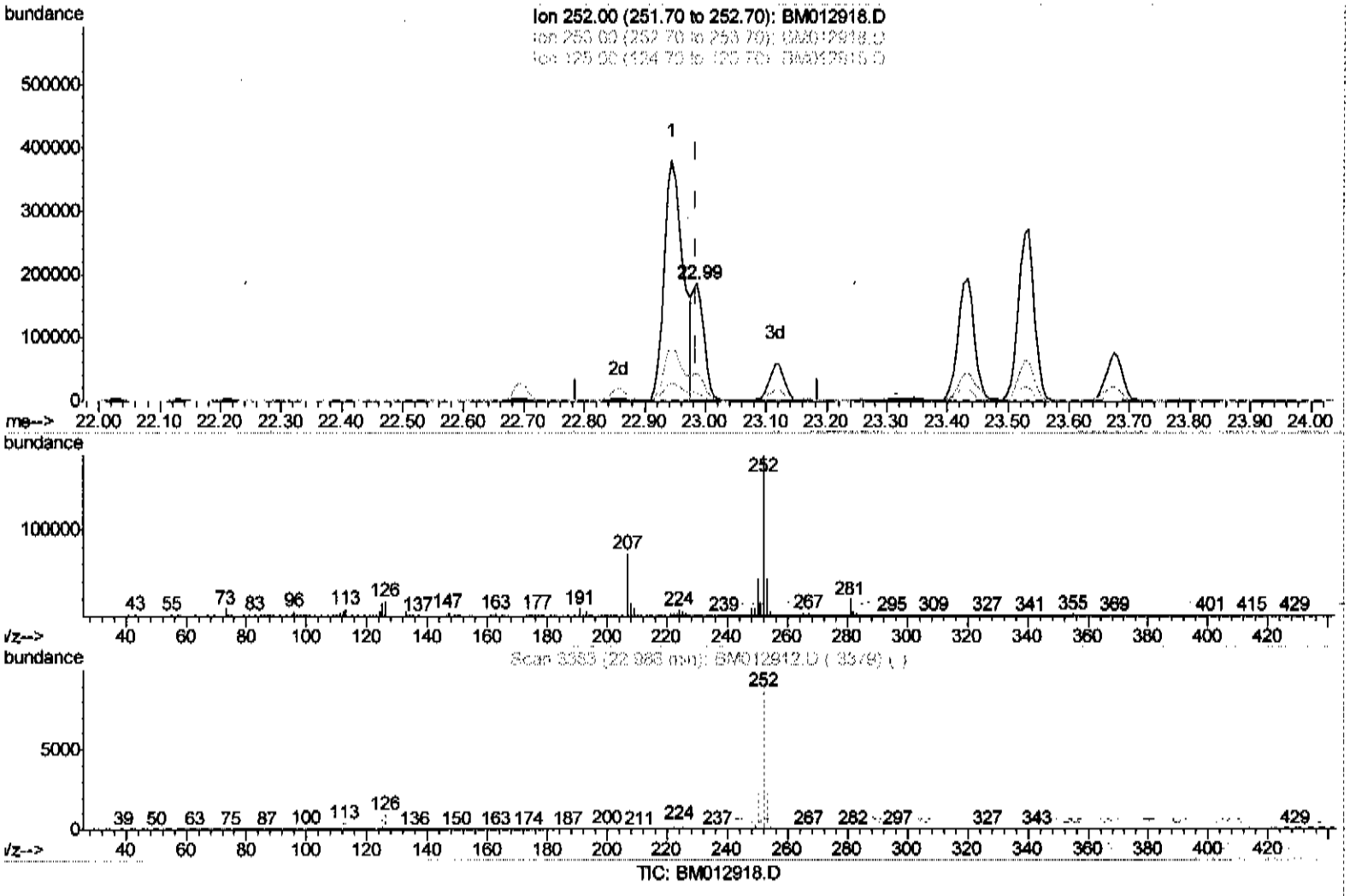
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.71
125.00	10.10	7.06#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012918.D
Acq On : 12 Nov 2017 00:44
Operator : SJ/JU
Sample : I6322-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 13 02:10:56 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHH9MS

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:51 PM



(24) Benzo(k)fluoranthene

22.986min (+0.000) 7.59ng/ul m JH 11/13/17

response 246485

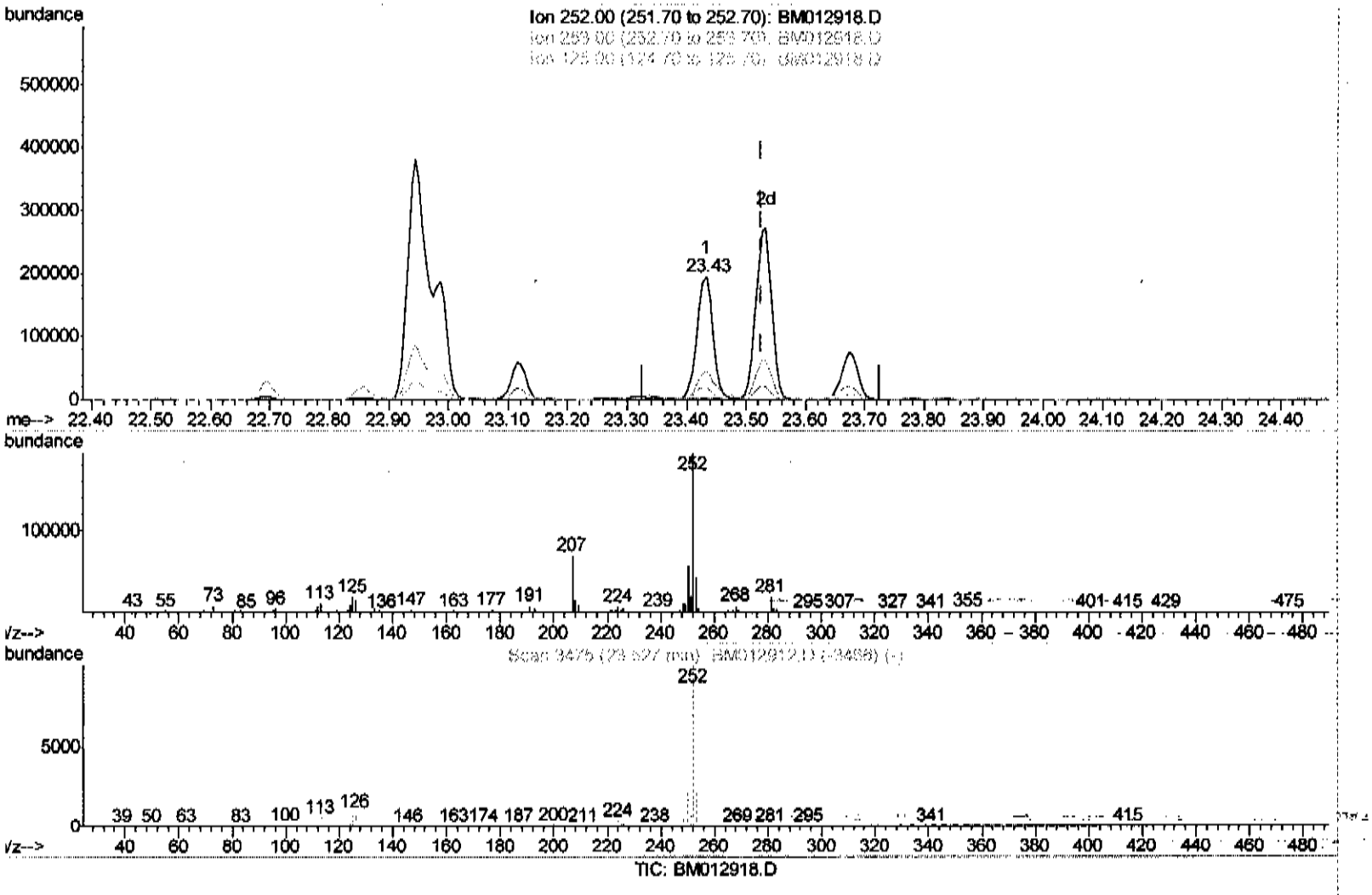
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.49
125.00	10.10	7.45#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012918.D
Acq On : 12 Nov 2017 00:44
Operator : SJ/JU
Sample : I6322-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 13 02:10:56 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHH9MS

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:51 PM



TIC: BM012918.D

(26) Benzo(a)pyrene (C)

23.433min (-0.094) 10.94ng/ul

response 360237

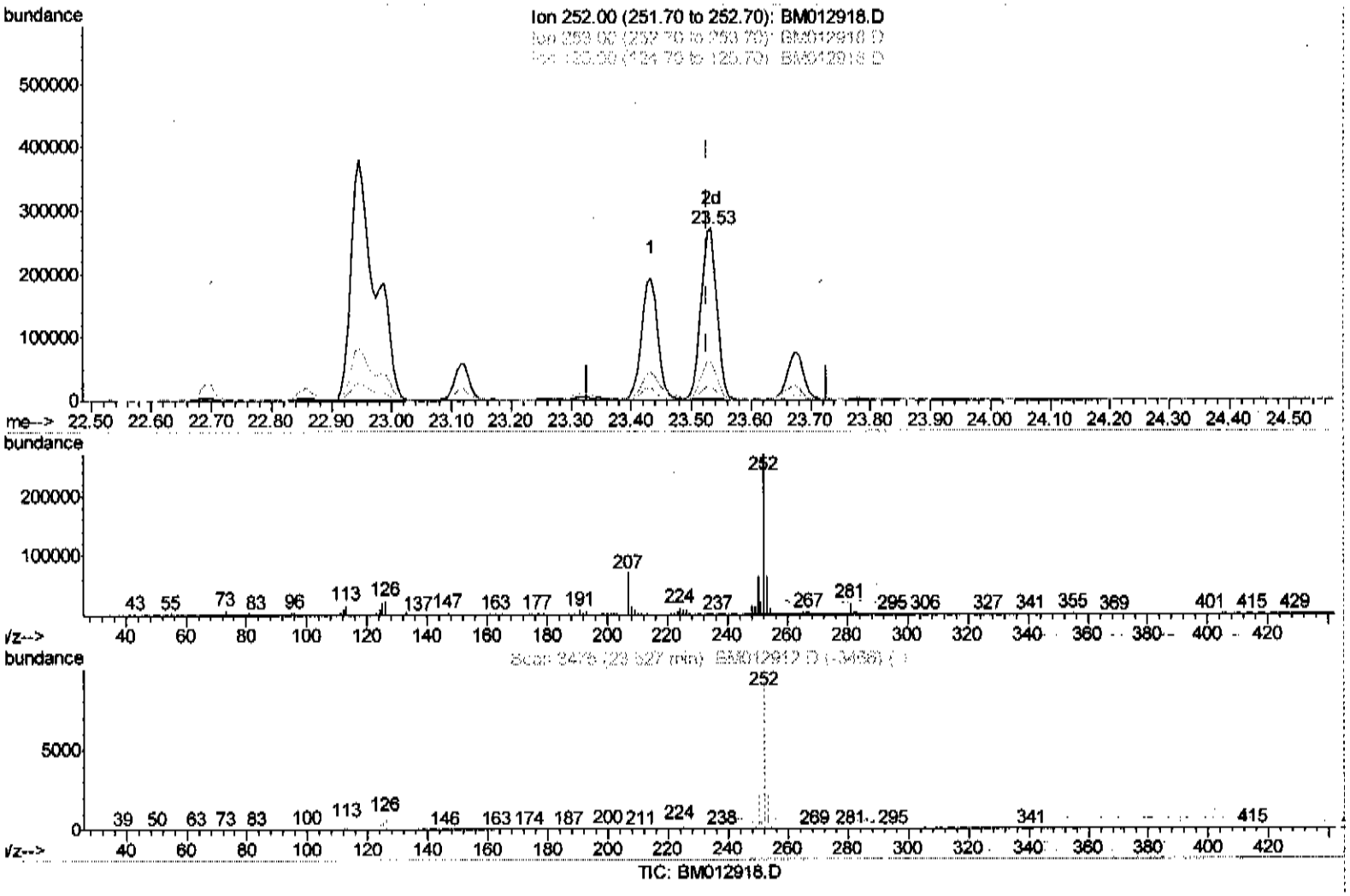
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.03
125.00	10.30	10.25
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012918.D
Acq On : 12 Nov 2017 00:44
Operator : SJ/JU
Sample : I6322-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 13 02:10:56 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHH9MS

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:51 PM



TIC: BM012918.D

(26) Benzo(a)pyrene (C)

23.533min (+0.006) 14.78ng/ul m JU 11/13/17

response 486791

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.06
125.00	10.30	7.97#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012918.D
Acq On : 12 Nov 2017 00:44
Operator : SJ/JU
Sample : I6322-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DAHH9MS

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:51 PM

Quant Time: Nov 13 03:16:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	80373	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	309090	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	182862	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	425664	20.00	ng/ul	0.00
17) Chrysene-d12	21.35	240	516529	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	571110	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	444188	23.35	ng/ul	0.00
10) Fluorene-d10	15.42	176	328341	25.24	ng/ul	0.00
14) Anthracene-d10	17.27	188	519880	25.27	ng/ul	0.00
18) Pyrene-d10	19.56	212	575021	24.88	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	677936	25.14	ng/ul	0.00
Target Compounds						Qvalue
9) Acenaphthene	14.49	153	290109	23.41	ng/ul	96
11) Fluorene	15.47	166	20978	1.42	ng/ul	93
13) Phenanthrene	17.21	178	464599	19.76	ng/ul	100
15) Anthracene	17.30	178	106267	4.35	ng/ul	97
16) Fluoranthene	19.23	202	1027374	35.52	ng/ul#	92
19) Pyrene	19.59	202	1397283	47.13	ng/ul#	94
20) Benzo(a)anthracene	21.34	228	560178	17.63	ng/ul	98
21) Chrysene	21.39	228	476590	16.78	ng/ul	96
23) Benzo(b)fluoranthene	22.94	252	822217	24.21	ng/ul#	97
24) Benzo(k)fluoranthene	22.99	252	246485m	7.59	ng/ul	
26) Benzo(a)pyrene	23.53	252	486791m	14.78	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.93	276	405168	9.54	ng/ul	95
28) Dibenzo(a,h)anthracene	25.93	278	120393	3.37	ng/ul#	91
29) Benzo(g,h,i)perylene	26.64	276	314804	8.88	ng/ul	96

JU 11/13/17

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