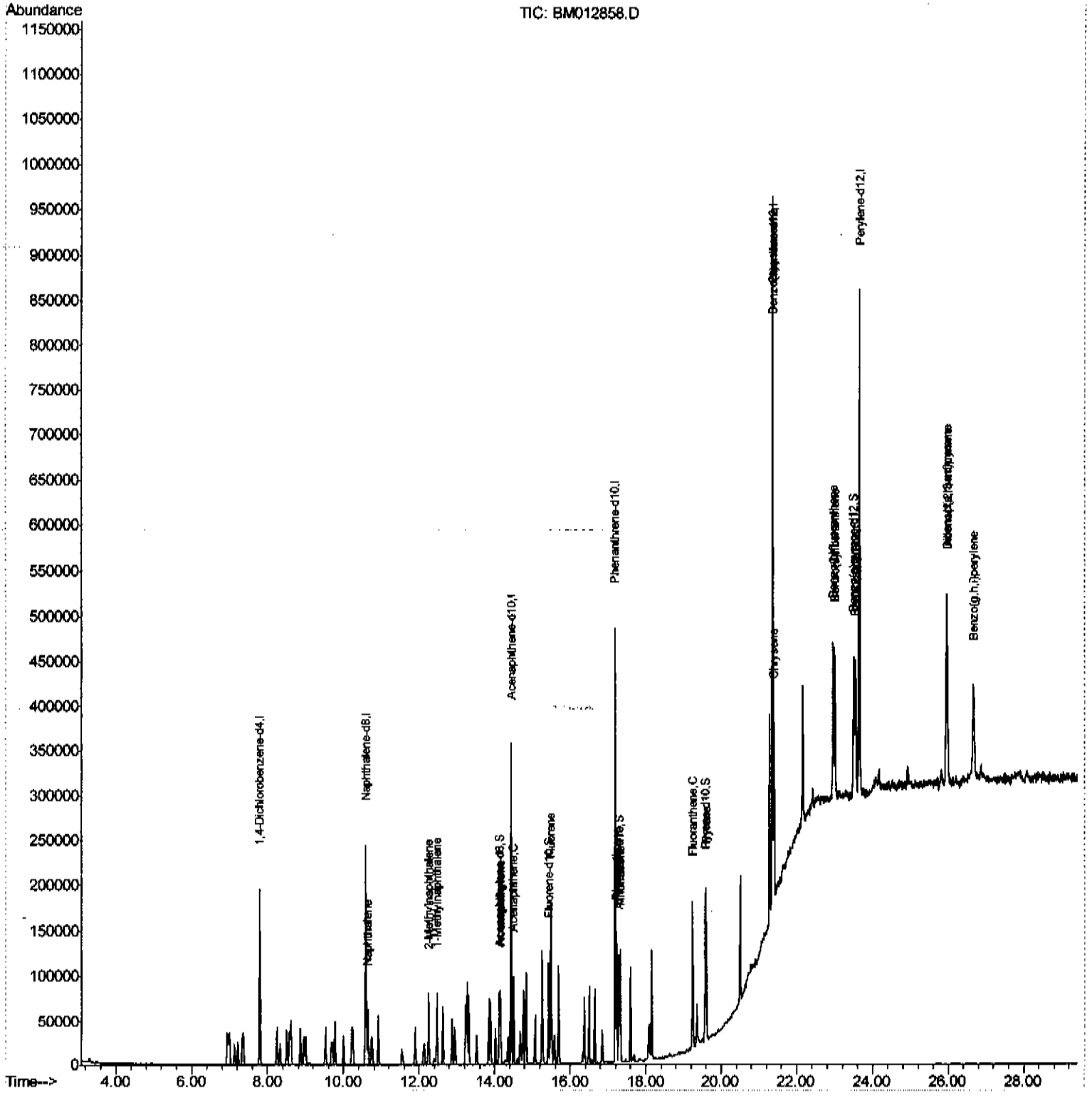
Data Path : Z:\HPCHEM1\BNA_M\Data\BM111017\
Data File : BM012858.D
Acq On : 10 Nov 2017 11:54
Operator : SJ/JU
Sample : SSTD00510
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 10 14:14:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 10 14:08:02 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD00510

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:17 PM

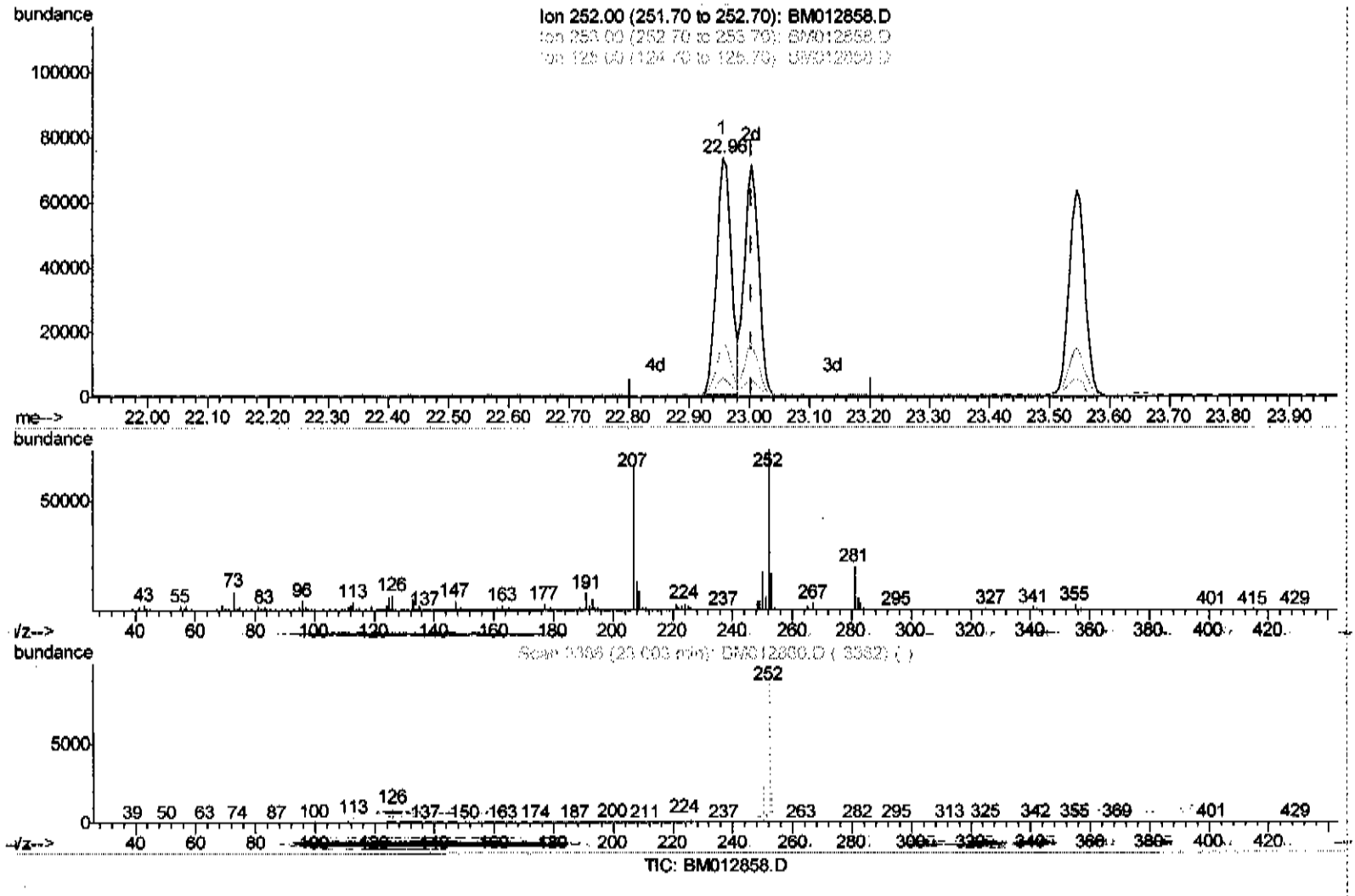


Data Path : Z:\HPCHEM1\BNA_M\Data\BM111017\
Data File : BM012858.D
Acq On : 10 Nov 2017 11:54
Operator : SJ/JU
Sample : SSTD00510
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 10 14:12:02 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 10 14:08:02 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD00510

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:17 PM



(24) Benzo(k)fluoranthene

22.956min (-0.047) 5.25ng/ul

response 125216

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.33
125.00	10.10	8.35
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111017\
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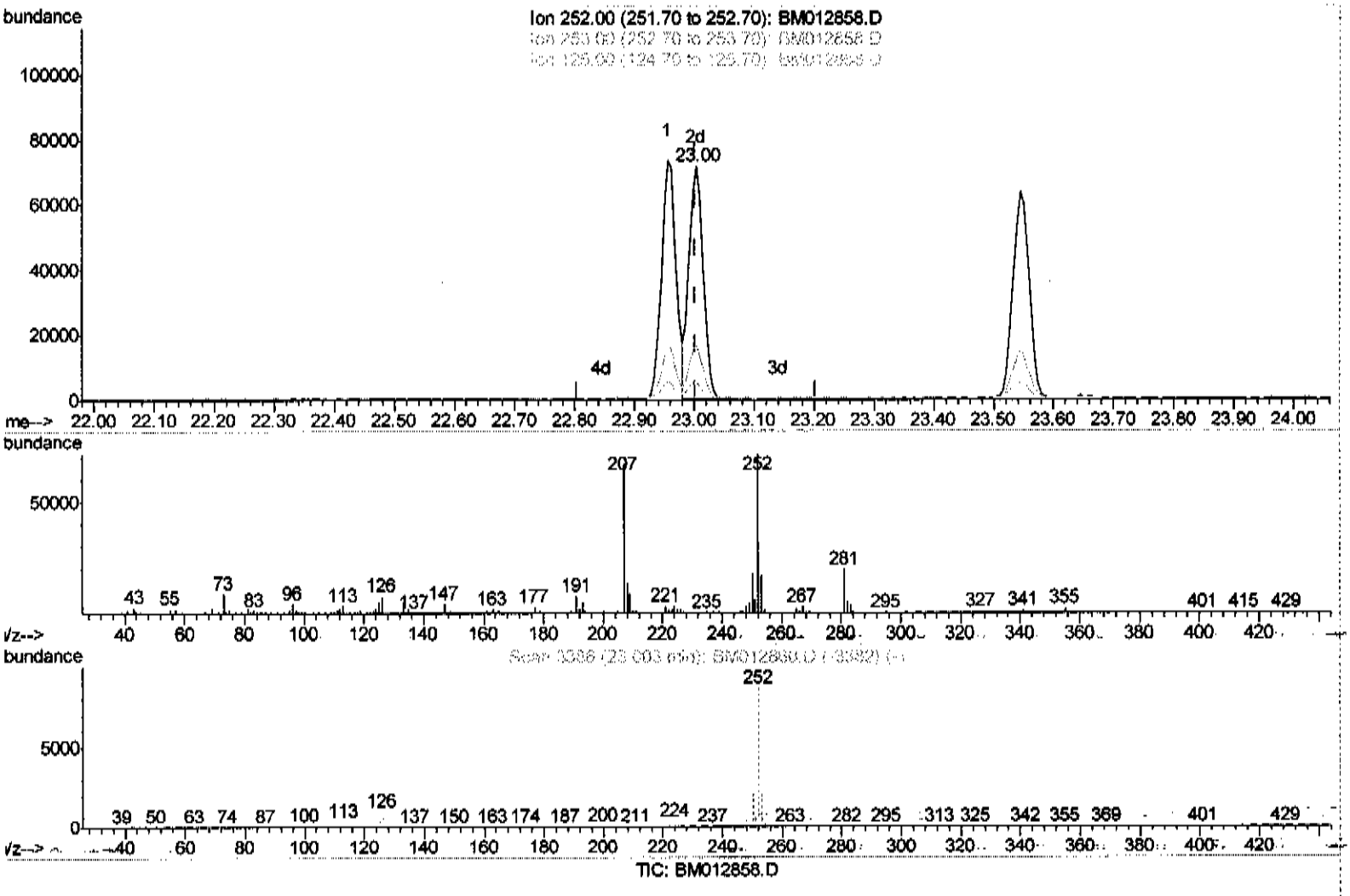
QLast Update : Fri Nov 10 14:08:02 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD00510

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:17 PM



(24) Benzo(k)fluoranthene

23.003min (-0.000) 4.93ng/ul m

response 117681

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.94
125.00	10.10	7.70#
0.00	0.00	0.00

JH 11/13/17

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111017\
Data File : BM012858.D
Acq On : 10 Nov 2017 11:54
Operator : SJ/JU
Sample : SSTD00510
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTD00510

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:17 PM

Quant Time: Nov 10 14:14:01 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 10 14:08:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	54938	20.00	ng/ul	0.00
2) Naphthalene-d8	10.58	136	206019	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	120297	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	285007	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	357562	20.00	ng/ul	0.00
22) Perylene-d12	23.64	264	408597	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.13	160	62967	5.03	ng/ul	0.00
10) Fluorene-d10	15.43	176	44675	4.92	ng/ul	0.00
14) Anthracene-d10	17.28	188	70327	5.09	ng/ul	0.00
18) Pyrene-d10	19.57	212	81577	4.46	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.50	264	99188	5.07	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.63	128	52697	4.913	ng/ul	98
4) 2-Methylnaphthalene	12.25	142	38825	4.770	ng/ul	99
5) 1-Methylnaphthalene	12.47	142	38166	4.913	ng/ul#	91
8) Acenaphthylene	14.16	152	61610	5.115	ng/ul	97
9) Acenaphthene	14.50	153	41082	5.011	ng/ul	97
11) Fluorene	15.49	166	50532	5.267	ng/ul	91
13) Phenanthrene	17.22	178	79449	5.226	ng/ul	100
15) Anthracene	17.32	178	83100	5.343	ng/ul	97
16) Fluoranthene	19.24	202	99119	5.562	ng/ul#	91
19) Pyrene	19.60	202	103495	4.643	ng/ul#	91
20) Benzo(a)anthracene	21.35	228	114766	5.450	ng/ul	99
21) Chrysene	21.40	228	101454	5.262	ng/ul	98
23) Benzo(b)fluoranthene	22.96	252	125216	5.123	ng/ul	97
24) Benzo(k)fluoranthene	23.00	252	117681m	4.933	ng/ul	95
26) Benzo(a)pyrene	23.54	252	119322	5.026	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.96	276	155407	5.767	ng/ul	96
28) Dibenzo(a,h)anthracene	25.96	278	131205	5.881	ng/ul	97
29) Benzo(g,h,i)perylene	26.67	276	128652	5.790	ng/ul#	95

JU 4/18/17

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