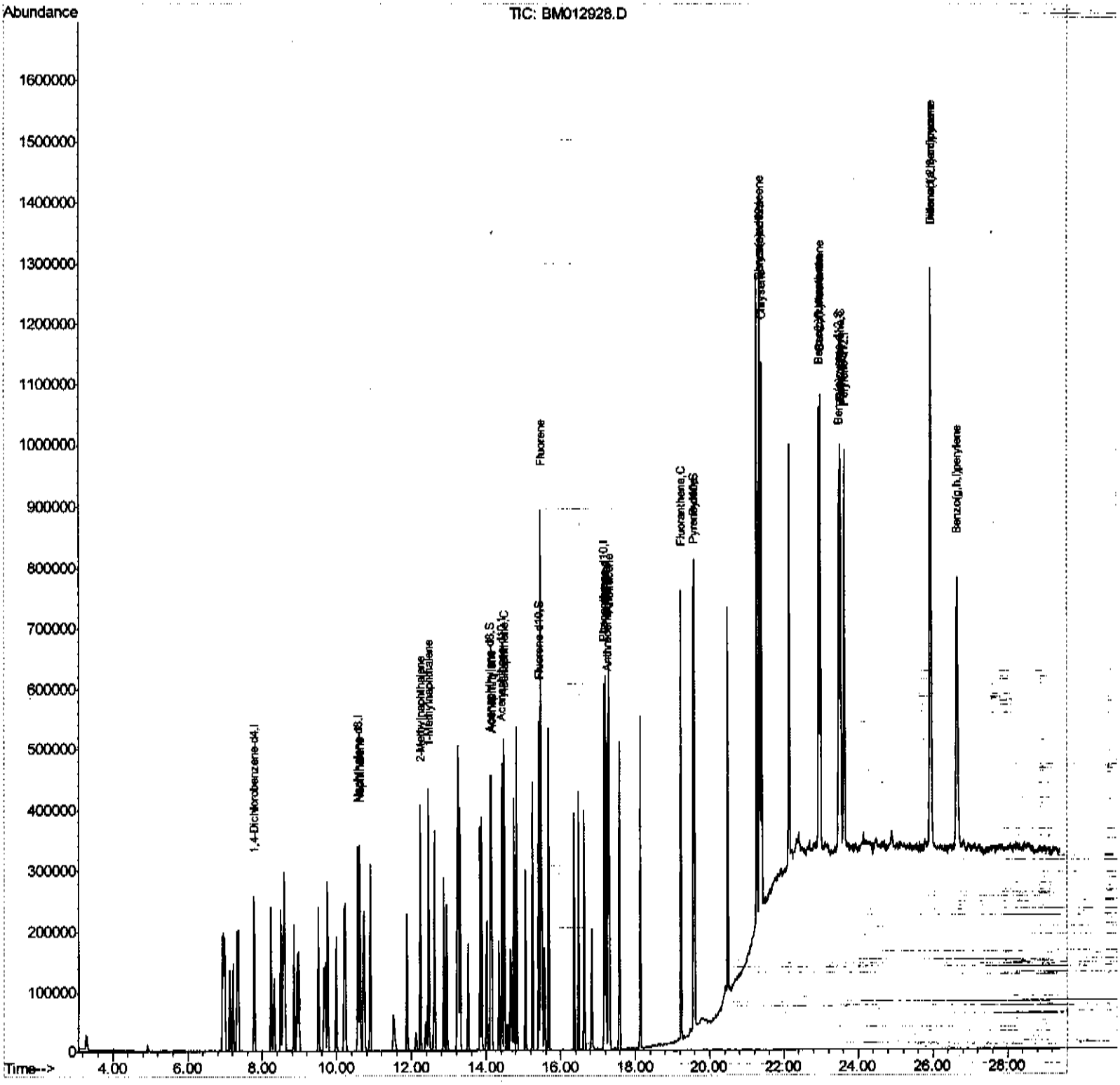
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 04:03:37 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
LabSampleId :
SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM

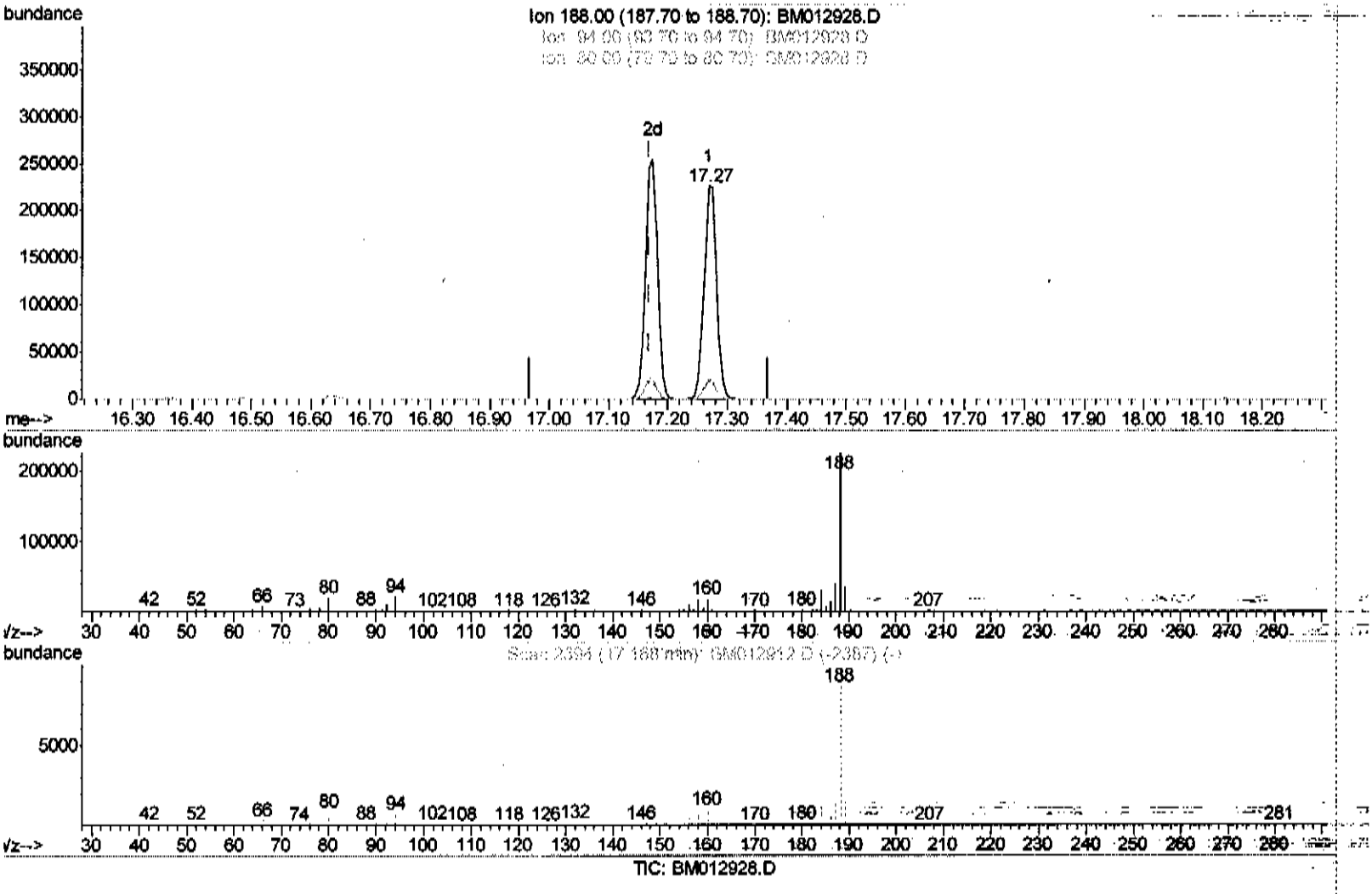


Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 02:43:10 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
LabSampleId :
SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM



(12) Phenanthrene-d10 (I)

17.268min (+0.100) 20.00ng/ul

response 332550

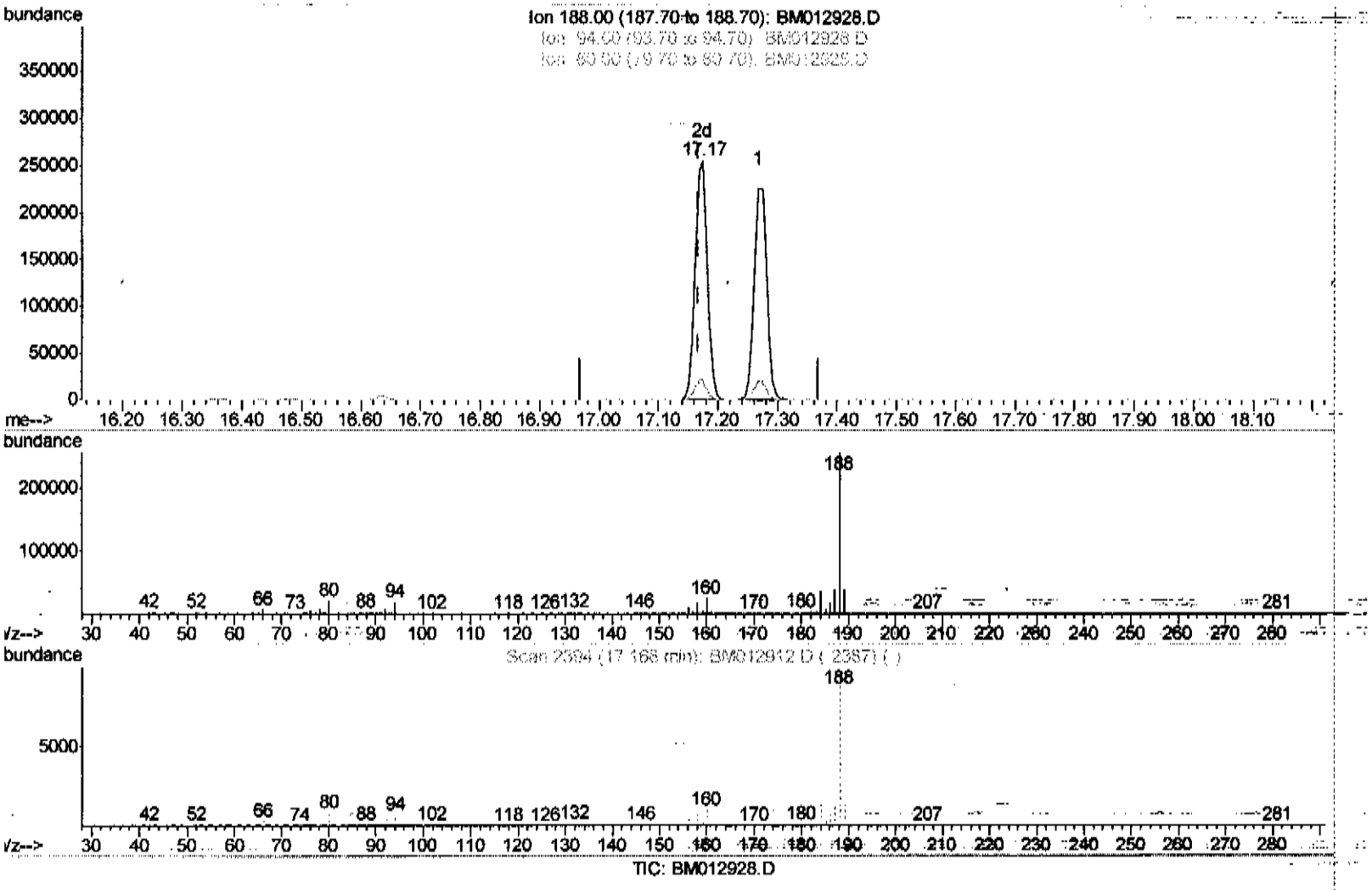
Ion	Exp%	Act%
188.00	100	100
94.00	9.30	9.16
80.00	10.60	8.67
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 02:43:10 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
LabSampleId :
SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM



TIC: BM012928.D

(12) Phenanthrene-d10 (I)

17.174min (+0.006) 20.00ng/ul m

JU 11/13/17

response 359919

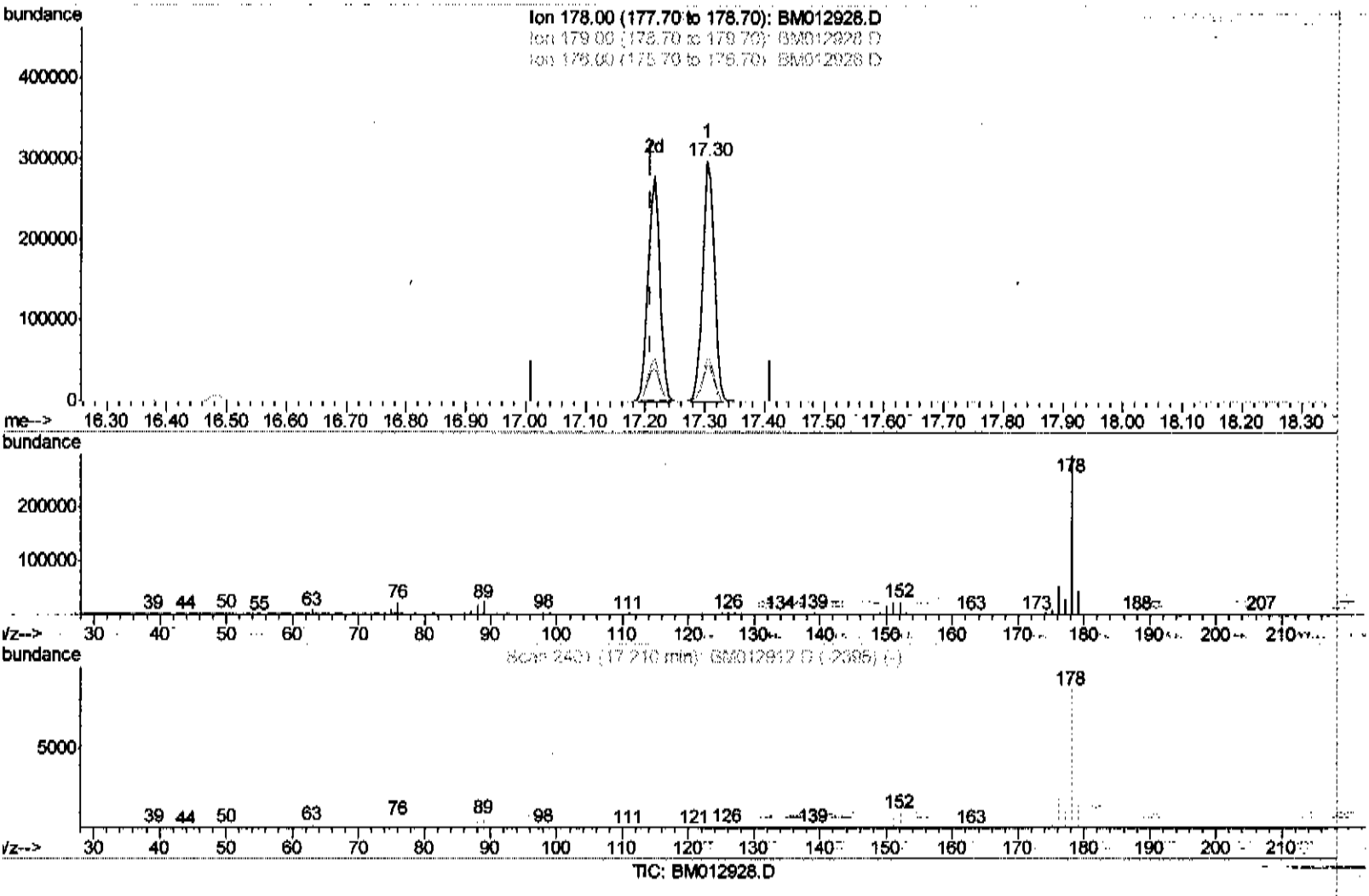
Ion	Exp%	Act%
188.00	100	100
94.00	9.30	7.31#
80.00	10.60	7.99#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 04:02:21 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
LabSampleId :
SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM



TIC: BM012928.D

(13) Phenanthrene

17.304min (+0.094) 20.11ng/ul

response 399708

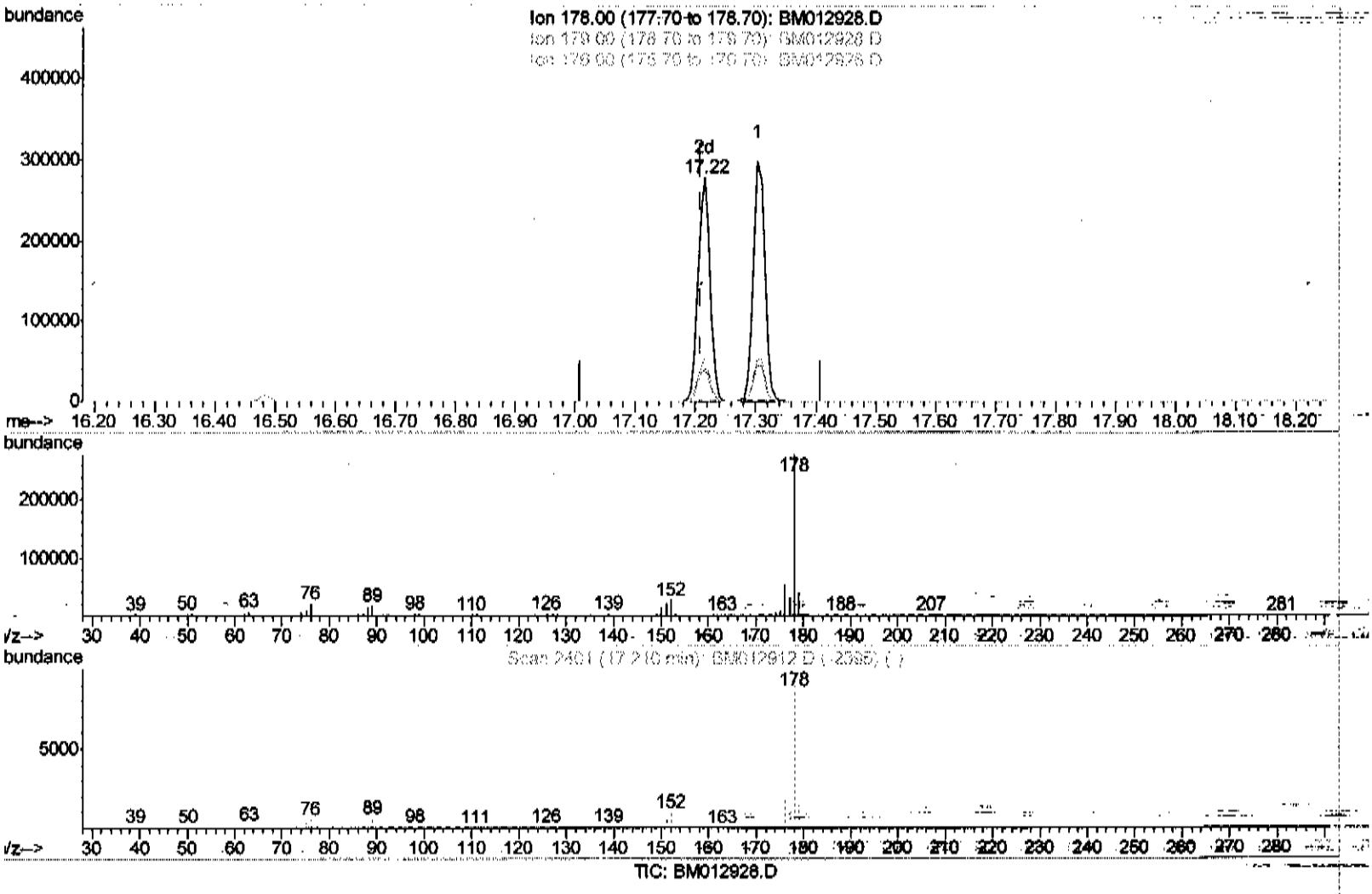
Ion	Exp%	Act%
178.00	100	100
179.00	15.40	14.85
176.00	18.90	17.74
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : $STDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 04:02:21 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
LabSampleId :
SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM



(13) Phenanthrene

17.215min (+0.006) 19.31ng/ul m

SJ 11/13/17

response 383836

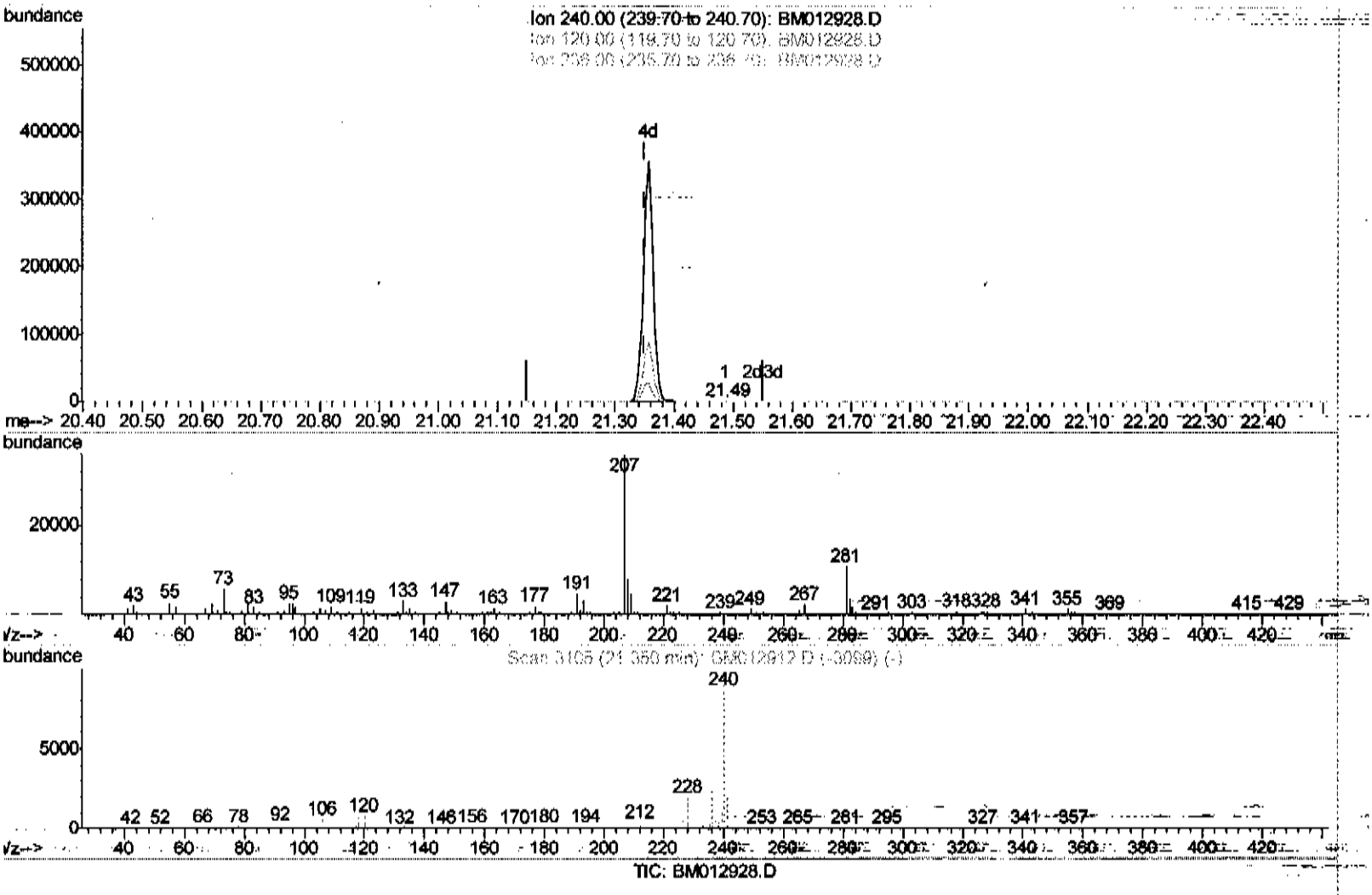
Ion	Exp%	Act%
178.00	100	100
179.00	15.40	14.59
176.00	18.90	19.01
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 04:02:21 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
LabSampleId :
SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM



(17) Chrysene-d12 (I)

21.486min (+0.135) 20.00ng/ul

response 845

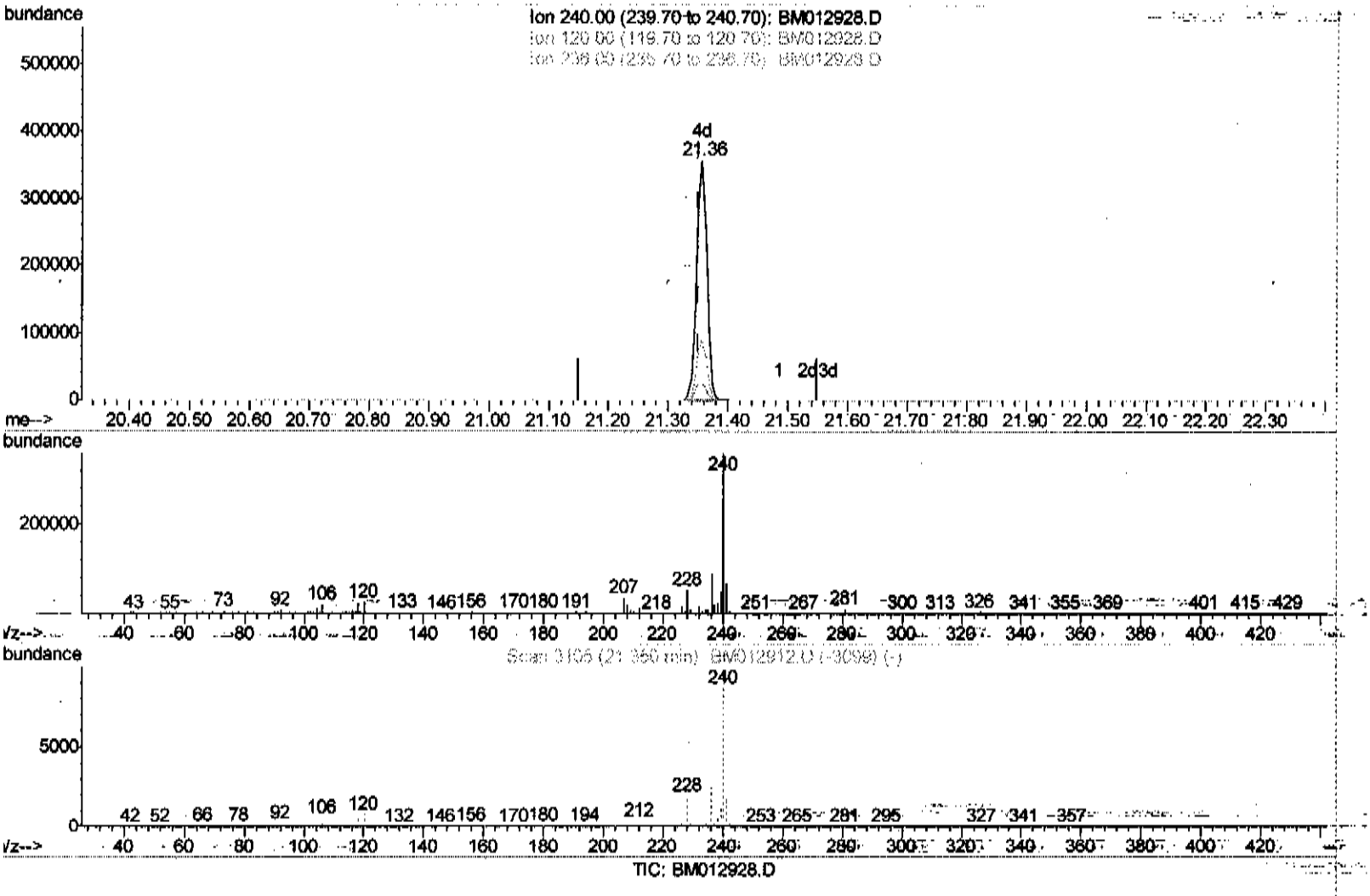
Ion	Exp%	Act%
240.00	100	100
120.00	10.20	69.84#
236.00	27.20	63.69#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 04:02:21 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
LabSampleId :
SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM



(17) Chrysene-d12 (I)

21.356min (+0.006) 20.00ng/ul m

response 426246

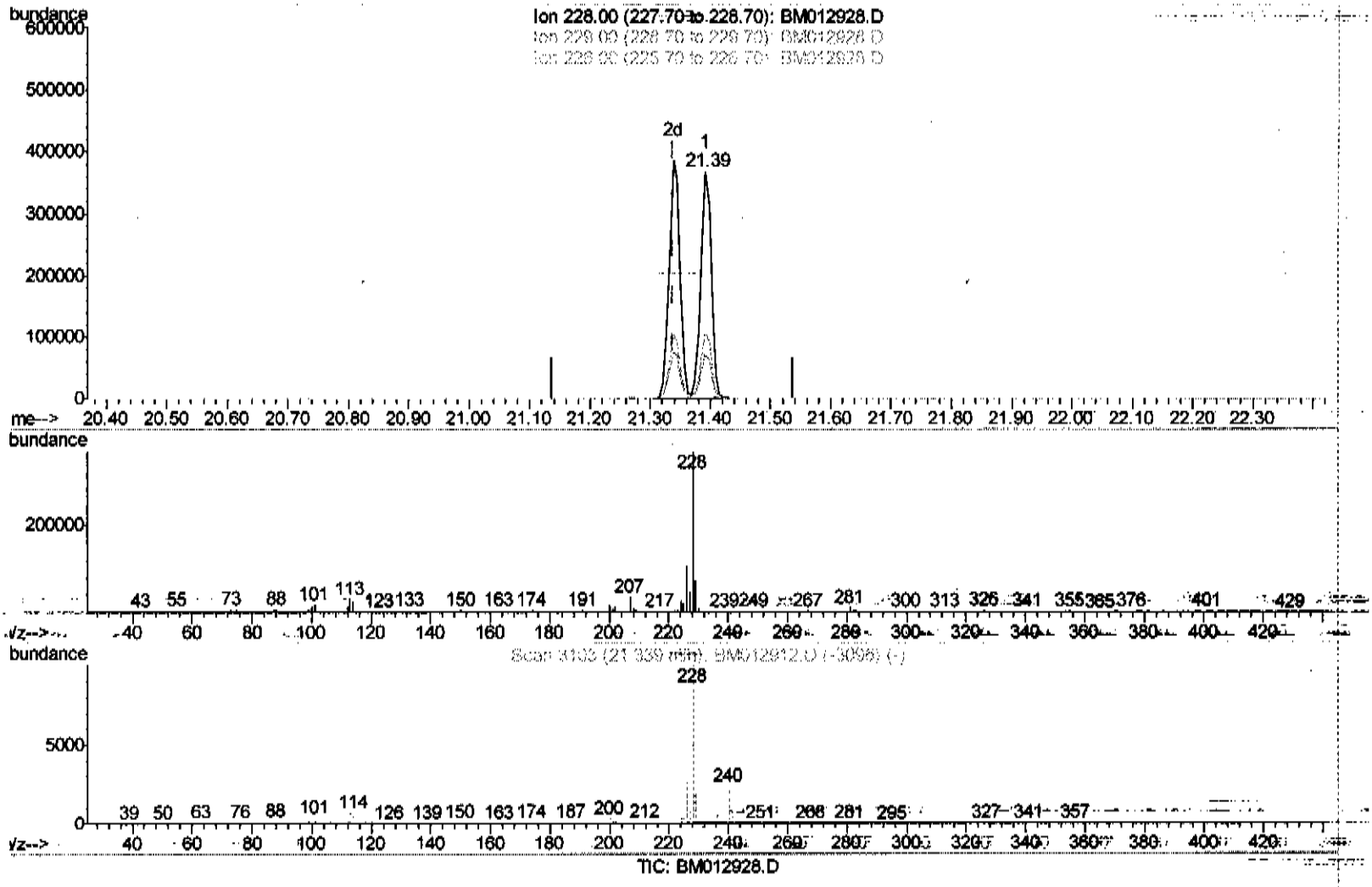
Ion	Exp%	Act%
240.00	100	100
120.00	10.20	7.60#
236.00	27.20	25.08
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 04:03:08 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
LabSampleId :
SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM



(20) Benzo(a)anthracene

21.392min (+0.053) 16.87ng/ul

response 442406

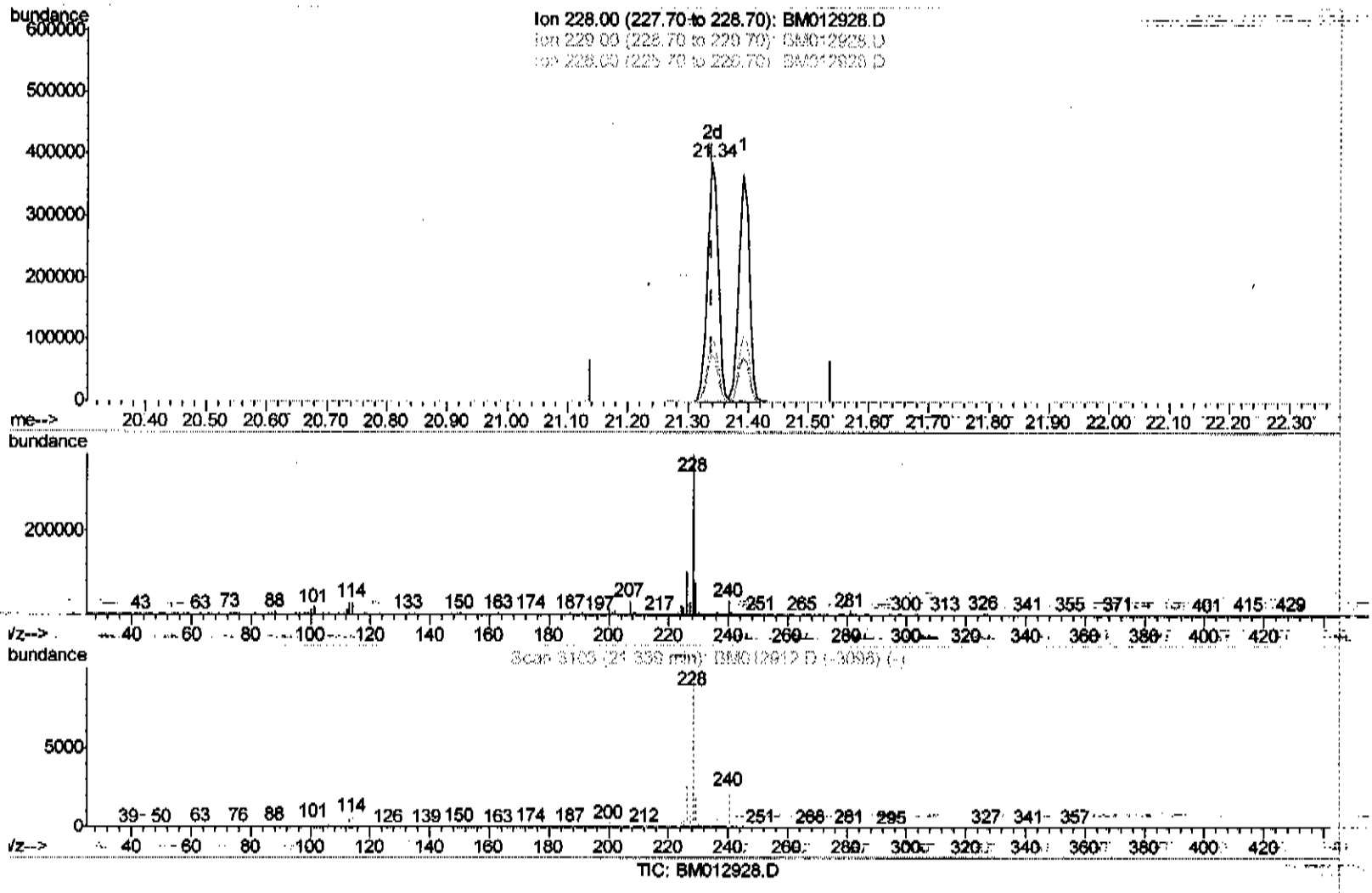
Ion	Exp%	Act%
228.00	100	100
229.00	19.60	19.83
226.00	26.40	29.04
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 04:03:08 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
LabSampleId :
SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM



(20) Benzo(a)anthracene

21.339min (0.000) 18.81ng/ul m

response 493271

JP 11/13/17

Ion	Exp%	Act%
228.00	100	100
229.00	19.60	19.84
226.00	26.40	26.95
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012928.D
Acq On : 12 Nov 2017 06:37
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
LabSampleId : SSTD02020

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:15 PM

Quant Time: Nov 13 04:03:37 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	76127	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	288505	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	161414	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	359919m	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	426246m	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	478342	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	325306	19.38	ng/ul	0.00
10) Fluorene-d10	15.42	176	217277	18.92	ng/ul	0.00
14) Anthracene-d10	17.27	188	332550	19.11	ng/ul	0.00
18) Pyrene-d10	19.57	212	363084	19.04	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	433807	19.21	ng/ul	0.01
Target Compounds						Qvalue
3) Naphthalene	10.62	128	281248	19.25	ng/ul	99
4) 2-Methylnaphthalene	12.24	142	205181	19.07	ng/ul	98
5) 1-Methylnaphthalene	12.46	142	199263	18.90	ng/ul#	94
8) Acenaphthylene	14.15	152	317684	19.45	ng/ul	98
9) Acenaphthene	14.49	153	211588	19.34	ng/ul	93
11) Fluorene	15.47	166	252072	19.31	ng/ul	92
13) Phenanthrene	17.22	178	383836m	19.31	ng/ul	98
15) Anthracene	17.30	178	399708	19.35	ng/ul	98
16) Fluoranthene	19.23	202	460010	18.81	ng/ul#	91
19) Pyrene	19.59	202	471487	19.27	ng/ul#	94
20) Benzo(a)anthracene	21.34	228	493271m	18.81	ng/ul	98
21) Chrysene	21.39	228	442050	18.86	ng/ul	98
23) Benzo(b)fluoranthene	22.95	252	542289	19.06	ng/ul#	97
24) Benzo(k)fluoranthene	22.99	252	525795	19.34	ng/ul#	97
26) Benzo(a)pyrene	23.53	252	527865	19.13	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	25.94	276	682674	19.18	ng/ul	96
28) Dibenzo(a,h)anthracene	25.94	278	576564	19.28	ng/ul#	96
29) Benzo(g,h,i)perylene	26.65	276	572736	19.28	ng/ul#	96

JU 11/13/17

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