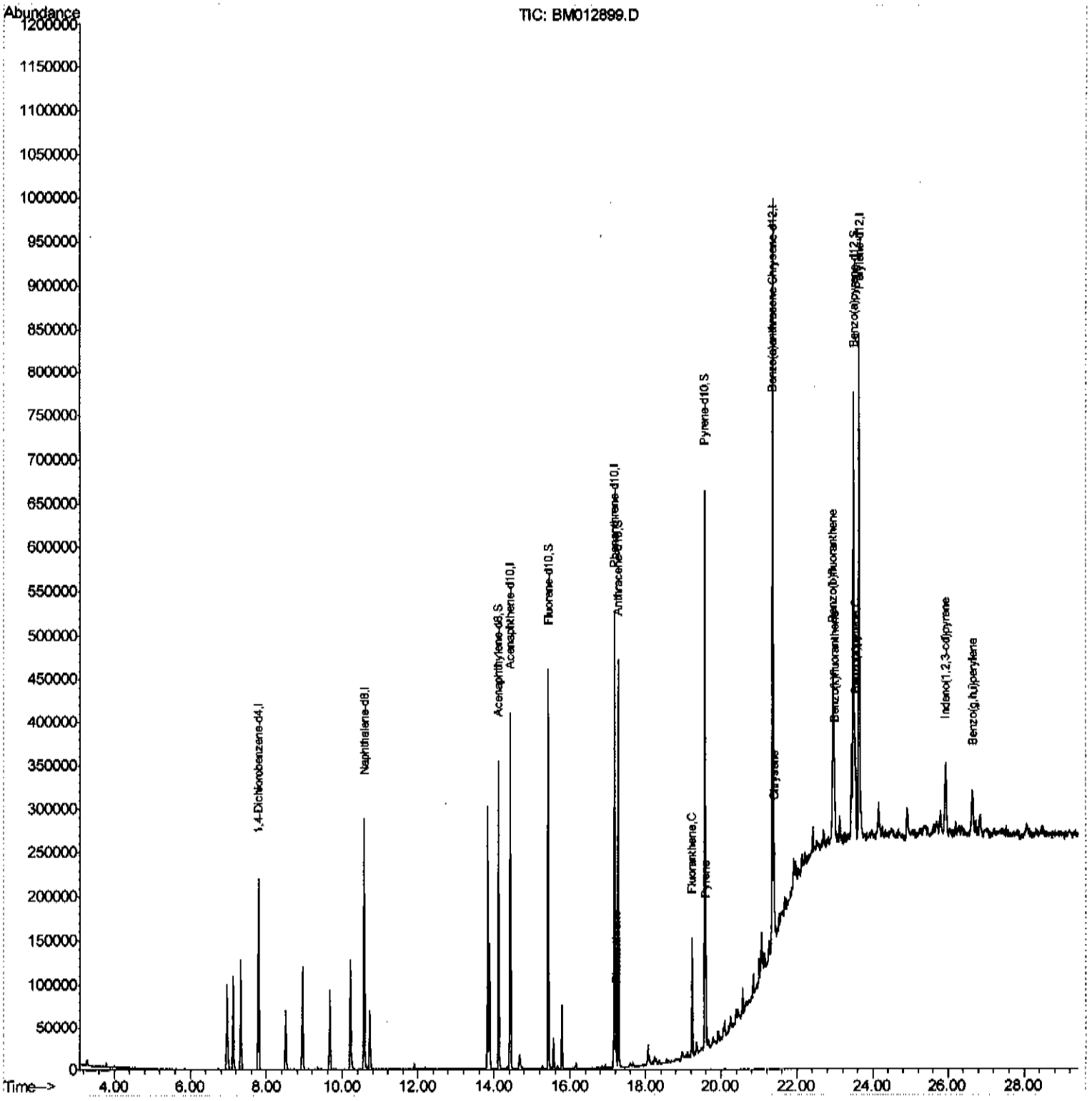
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012899.D
Acq On : 11 Nov 2017 13:29
Operator : SJ/JU
Sample : I6317-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 01:30:34 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHJ3

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:01 PM

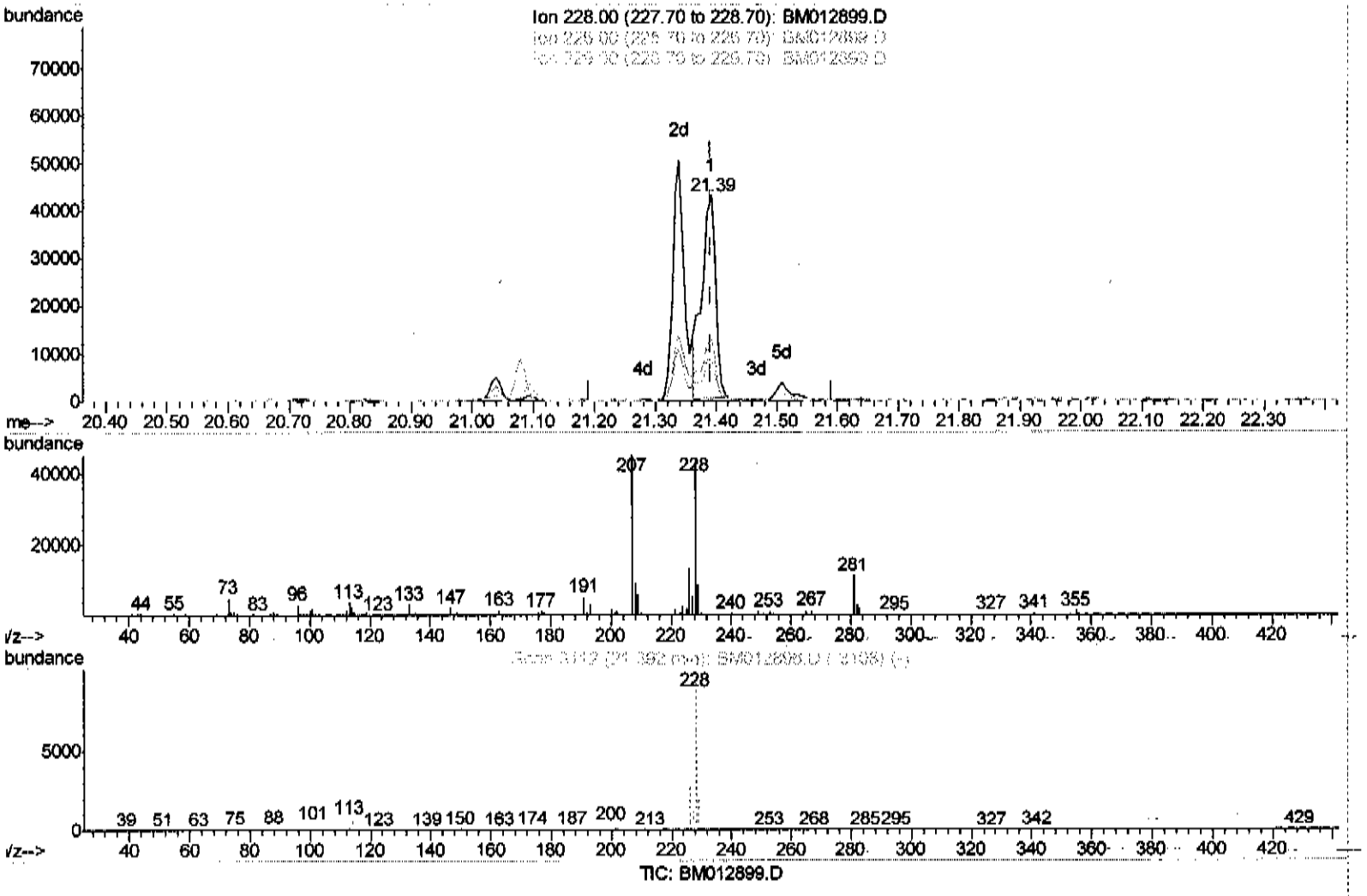


Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012899.D
Acq On : 11 Nov 2017 13:29
Operator : SJ/JU
Sample : I6317-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 01:09:12 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHJ3

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:01 PM



(21) Chrysene

21.392min (+0.000) 3.18ng/ul

response 66541

Ion	Exp%	Act%
228.00	100	100
226.00	30.60	31.25
229.00	19.80	19.88
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
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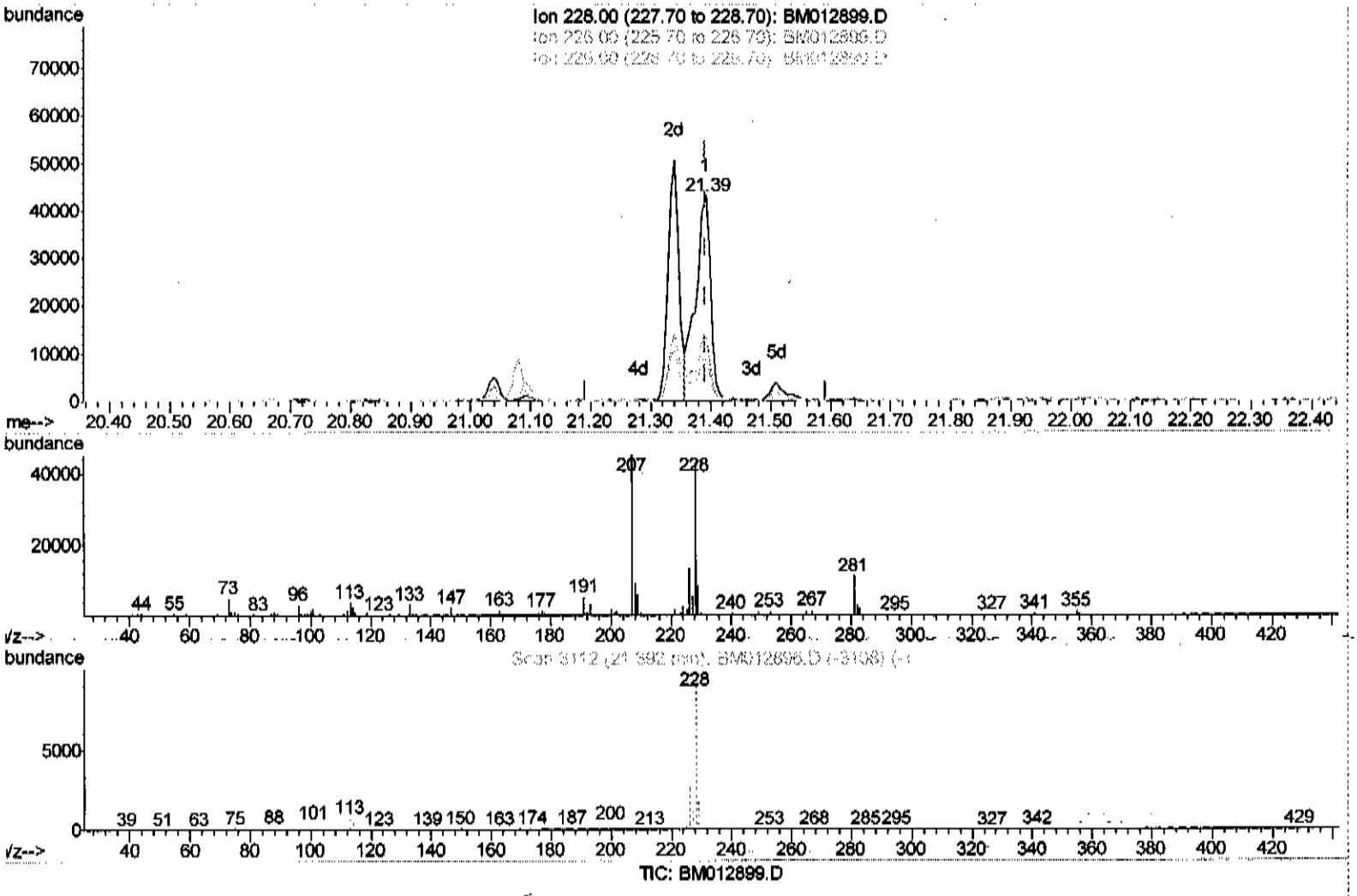
BNA_M
ClientSampleId :
DAHJ3

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:01 PM



(21) Chrysene

21.392min (+0.000) 3.53ng/ul m

11/13/17

response 74004

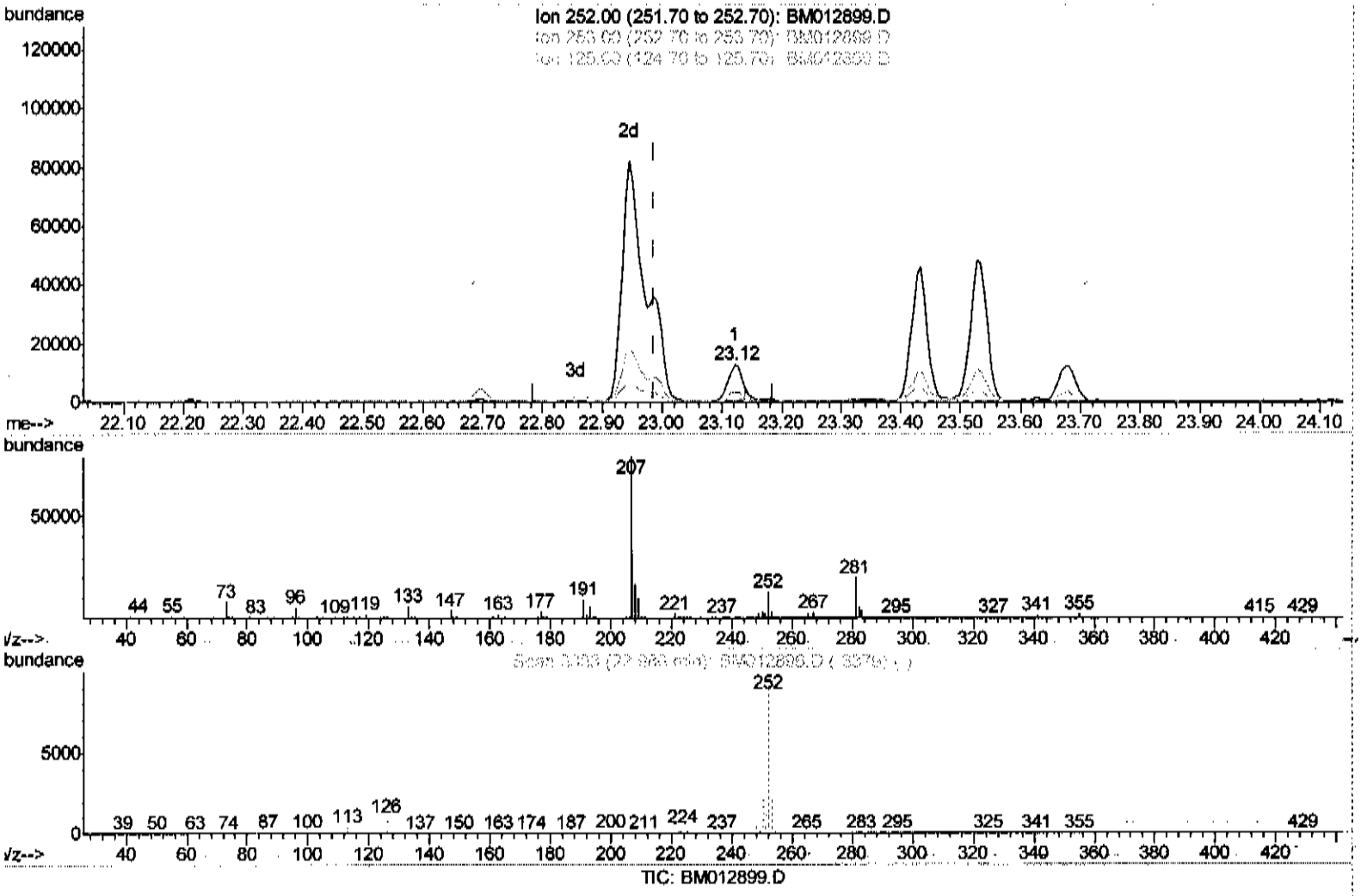
Ion	Exp%	Act%
228.00	100	100
226.00	30.60	31.25
229.00	19.80	19.88
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012899.D
Acq On : 11 Nov 2017 13:29
Operator : SJ/JU
Sample : I6317-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 01:29:30 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHJ3

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:01 PM



(24) Benzo(k)fluoranthene

23.121min (+0.135) 0.80ng/ul

response 19489

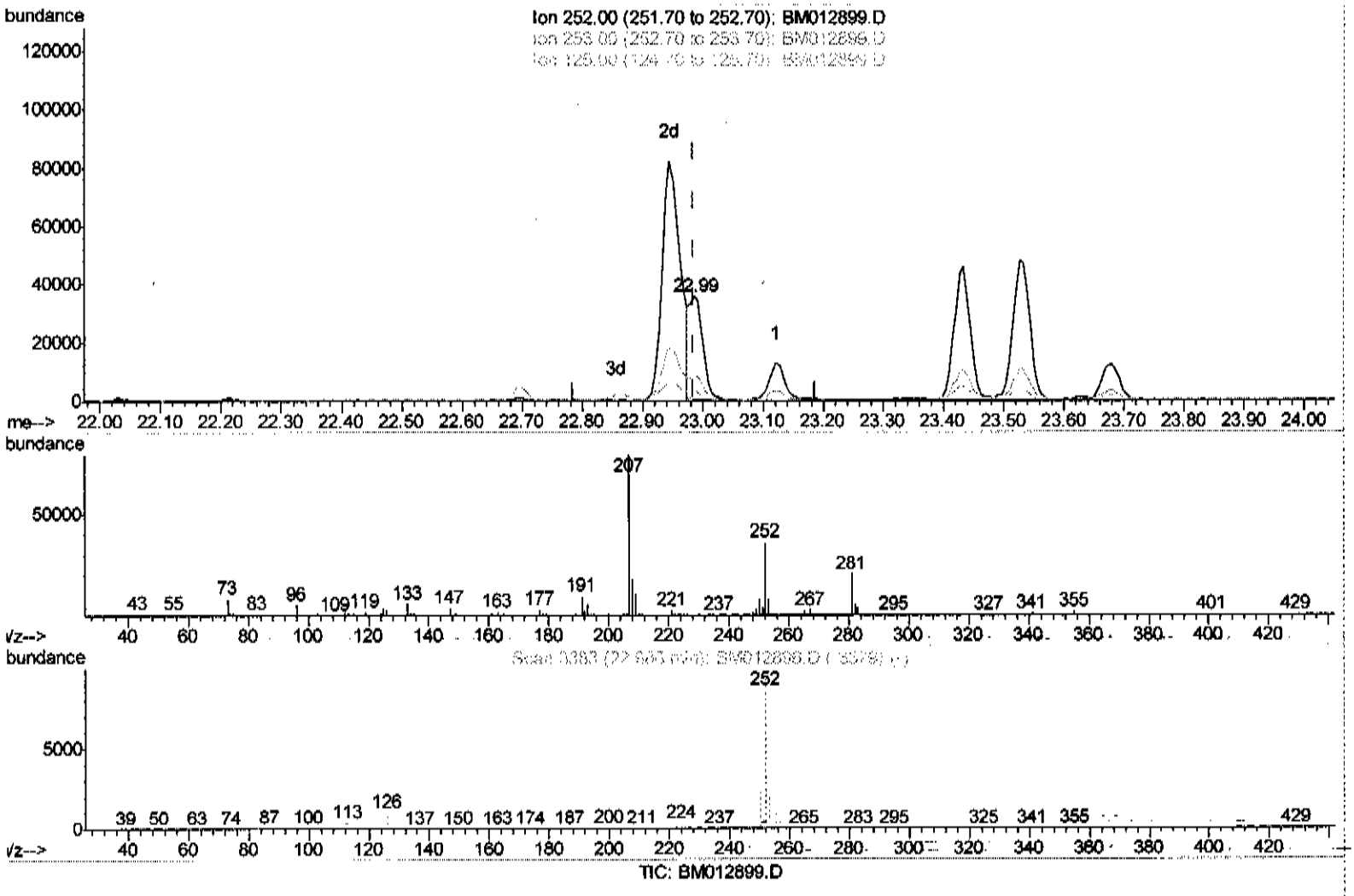
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	26.62
125.00	10.10	12.07
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012899.D
Acq On : 11 Nov 2017 13:29
Operator : SJ/JU
Sample : I6317-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 01:29:30 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHJ3

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:01 PM



(24) Benzo(k)fluoranthene

22.986min (+0.000) 2.17ng/ul m

response 52872

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.69
125.00	10.10	9.38
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012899.D
Acq On : 11 Nov 2017 13:29
Operator : SJ/JU
Sample : I6317-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DAHJ3

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:01 PM

Quant Time: Nov 13 01:30:34 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 01:07:29 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	63947	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	245099	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	144158	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	318352	20.00	ng/ul	0.00
17) Chrysene-d12	21.35	240	380959	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	428106	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	253289	16.89	ng/ul	0.00
10) Fluorene-d10	15.42	176	187973	18.33	ng/ul	0.00
14) Anthracene-d10	17.27	188	275578	17.91	ng/ul	0.00
18) Pyrene-d10	19.56	212	301336	17.68	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	352951	17.46	ng/ul	0.00
Target Compounds						Qvalue
13) Phenanthrene	17.22	178	30569	1.74	ng/ul	97
16) Fluoranthene	19.23	202	82314	3.81	ng/ul#	94
19) Pyrene	19.59	202	73928	3.38	ng/ul#	94
20) Benzo(a)anthracene	21.34	228	64828	2.77	ng/ul	97
21) Chrysene	21.39	228	74004m	3.53	ng/ul	
23) Benzo(b)fluoranthene	22.94	252	183384	7.20	ng/ul#	97
24) Benzo(k)fluoranthene	22.99	252	52872m	2.17	ng/ul	
26) Benzo(a)pyrene	23.53	252	90832	3.68	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.93	276	83120	2.61	ng/ul	96
29) Benzo(g,h,i)perylene	26.64	276	68843	2.59	ng/ul	98

SJ 11/18/17
JU 11/13/17

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