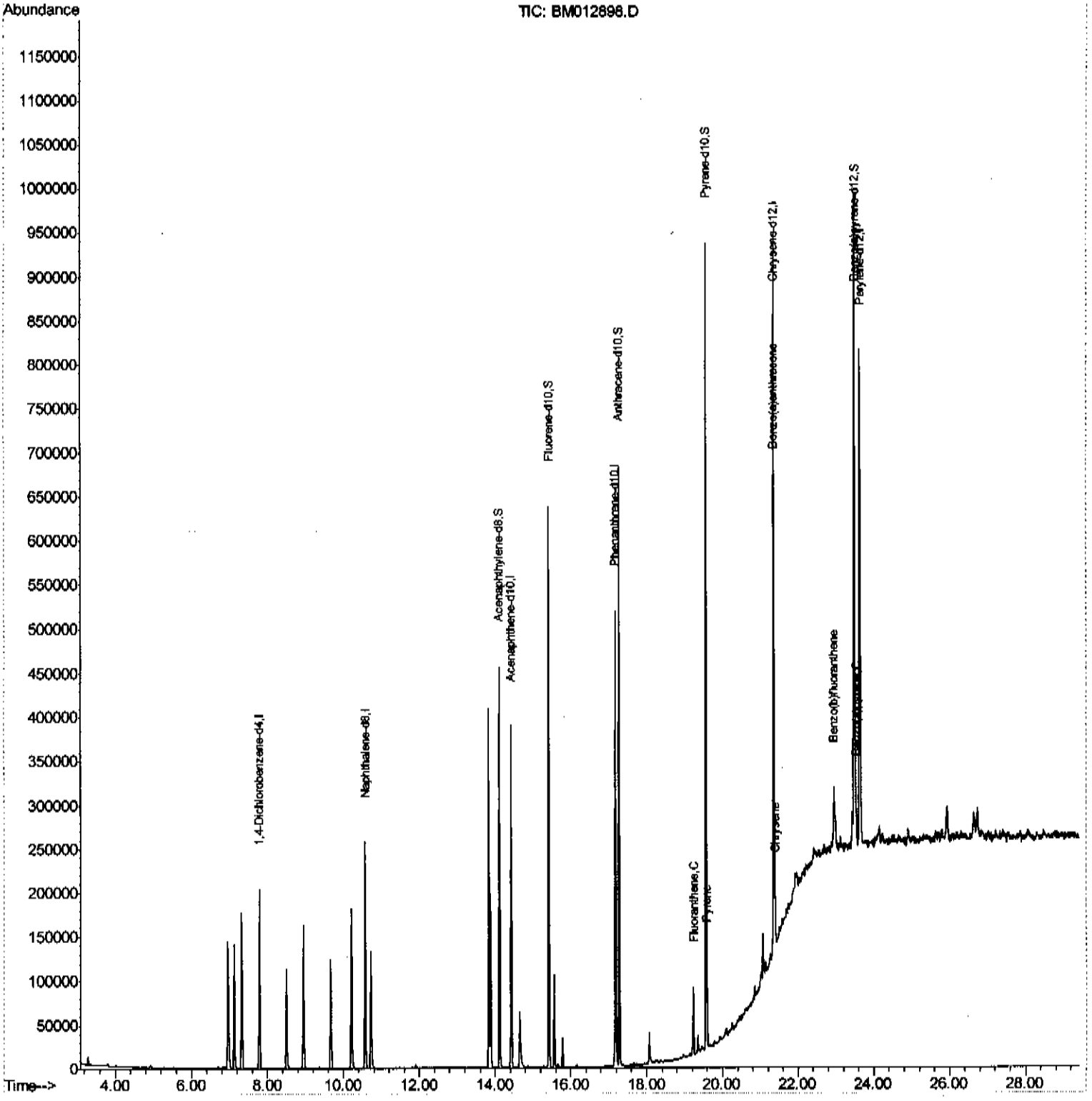
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012898.D
Acq On : 11 Nov 2017 12:53
Operator : SJ/JU
Sample : I6317-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 01:24:19 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 :
DAHJ0

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:04 PM

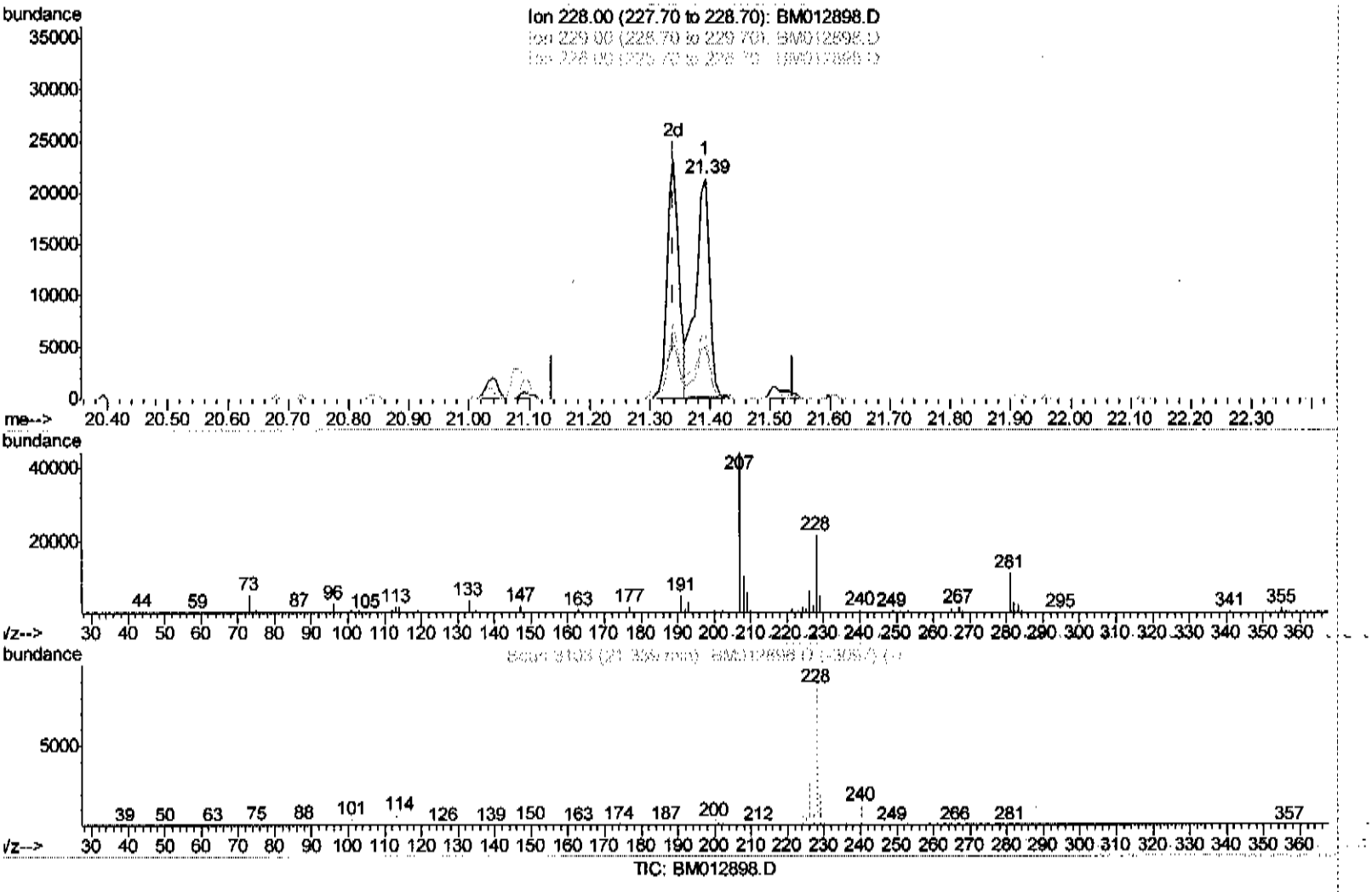


Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012898.D
Acq On : 11 Nov 2017 12:53
Operator : SJ/JU
Sample : I6317-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 01:09:04 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 :
DAHJ0

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:04 PM



TIC: BM012898.D

(20) Benzo(a)anthracene

21.391min (+0.053) 1.40ng/ul

response 33724

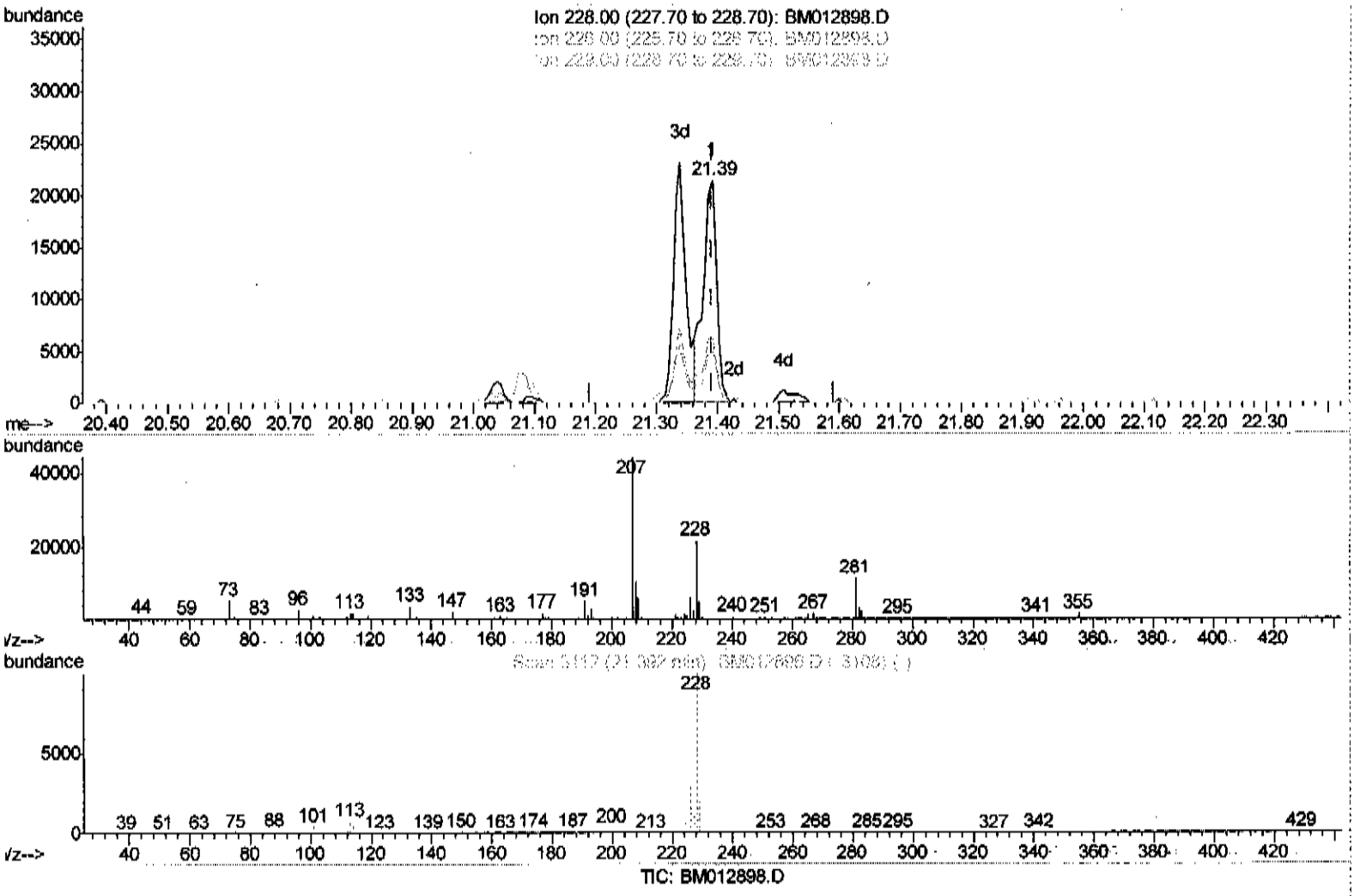
Ion	Exp%	Act%
228.00	100	100
229.00	19.60	23.04
226.00	26.40	28.66
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012898.D
Acq On : 11 Nov 2017 12:53
Operator : SJ/JU
Sample : I6317-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 01:09:04 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 :
DAHJ0

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:04 PM



(21) Chrysene

21.391min (-0.000) 1.50ng/ul

response 32458

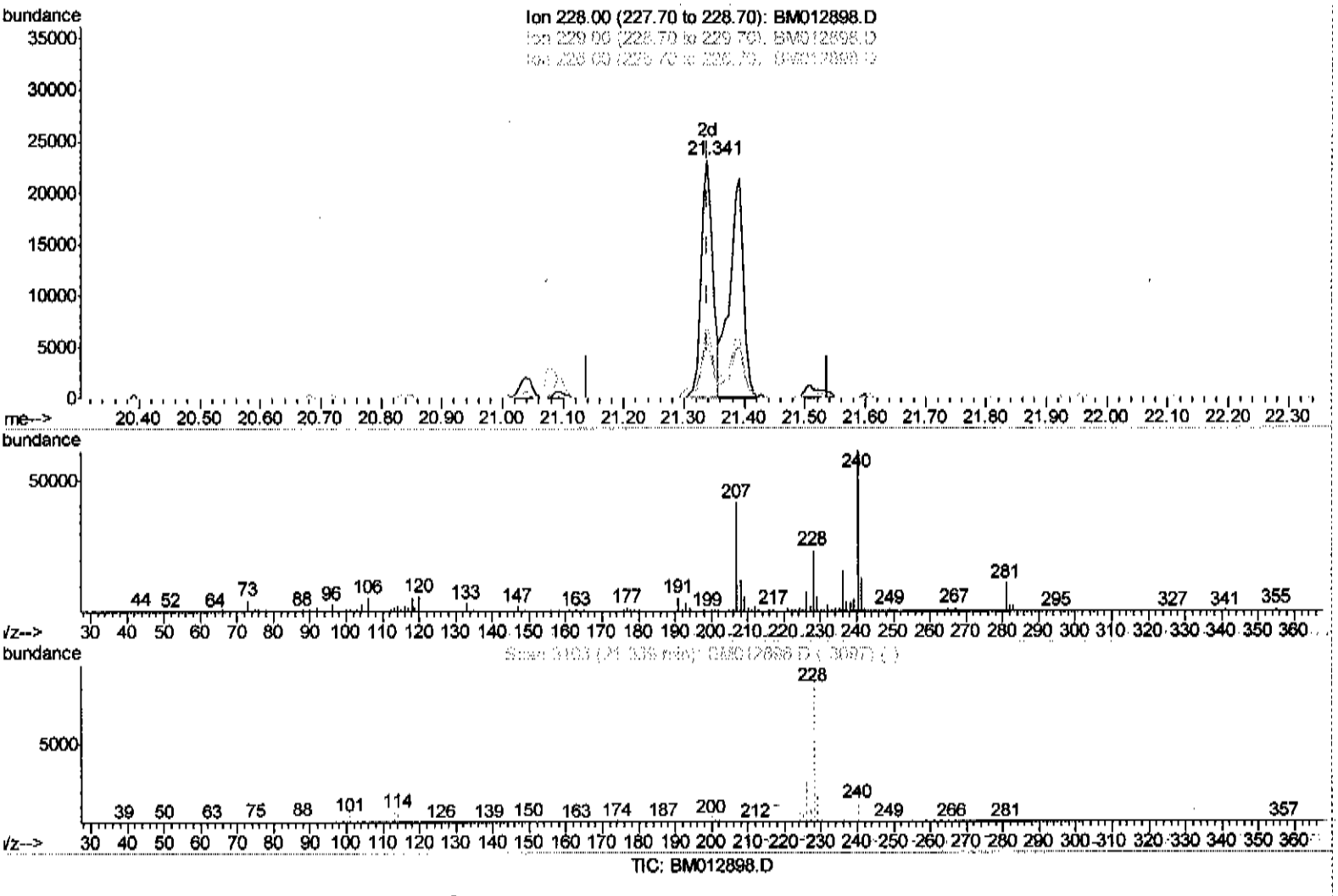
Ion	Exp%	Act%
228.00	100	100
226.00	30.60	28.66
229.00	19.80	23.04
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012898.D
Acq On : 11 Nov 2017 12:53
Operator : SJ/JU
Sample : I6317-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 01:24:19 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 :
DAHJ0

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:04 PM



(20) Benzo(a)anthracene

21.338min (-0.000) 1.29ng/ul m

JU 11/13/17

response 31147

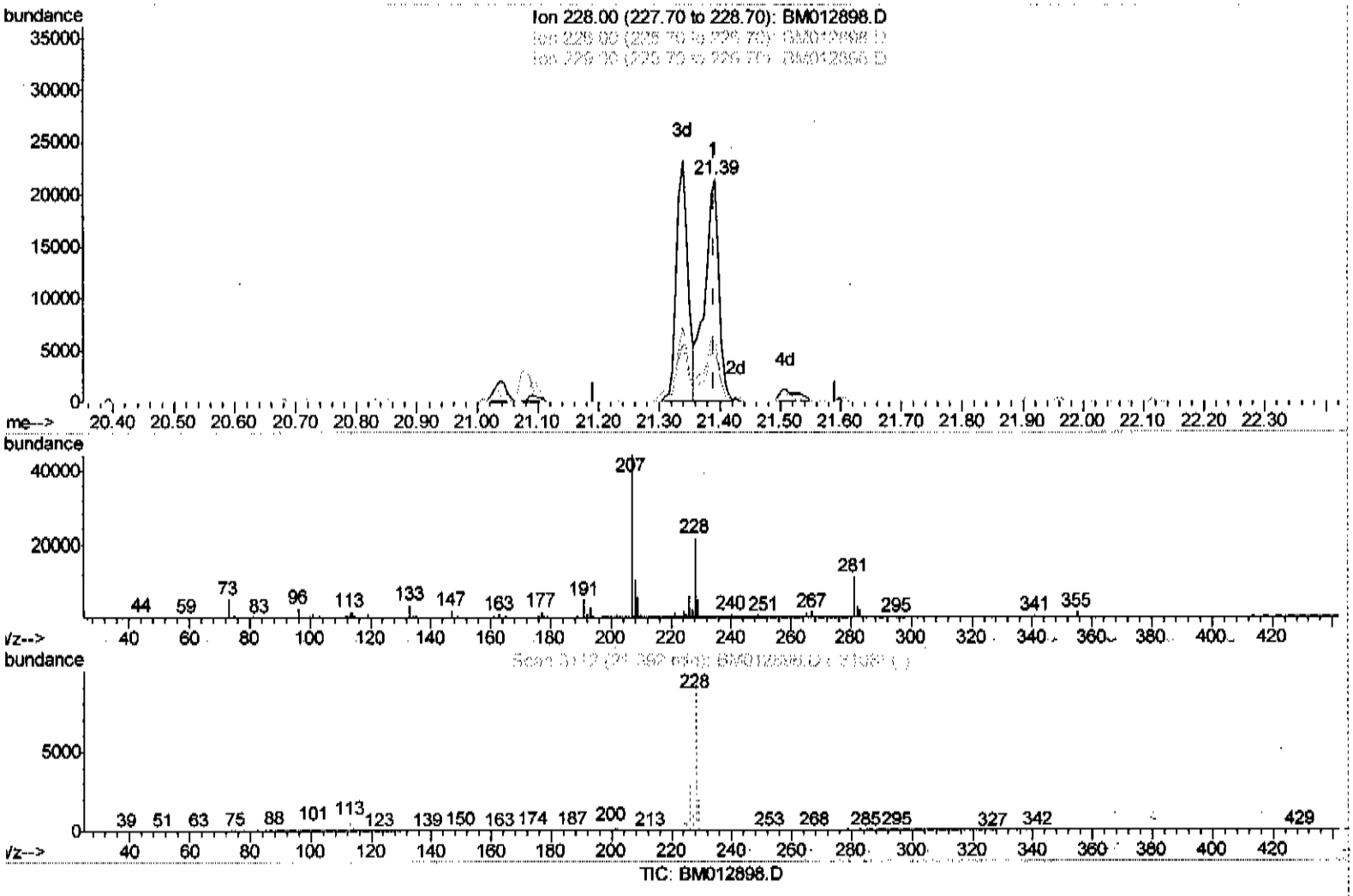
Ion	Exp%	Act%
228.00	100	100
229.00	19.60	23.78#
226.00	26.40	31.30
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012898.D
Acq On : 11 Nov 2017 12:53
Operator : SJ/JU
Sample : I6317-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 01:24:19 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 :
DAHJ0

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:04 PM



TIC: BM012898.D

(21) Chrysene

21.391min (-0.000) 1.61ng/ul m SJ 11/13/17

response 34672

Ion	Exp%	Act%
228.00	100	100
226.00	30.60	28.66
229.00	19.80	23.04
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012898.D
Acq On : 11 Nov 2017 12:53
Operator : SJ/JU
Sample : I6317-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DAHJ0

Manual Integrations APPROVED
SOHIL
11/13/2017 4:51:04 PM

Quant Time: Nov 13 01:24:19 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	57094	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	219411	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	132919	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	312439	20.00	ng/ul	0.00
17) Chrysene-d12	21.35	240	392704	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	430232	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	348732	25.22	ng/ul	0.00
10) Fluorene-d10	15.42	176	257615	27.24	ng/ul	0.00
14) Anthracene-d10	17.27	188	399964	26.48	ng/ul	0.00
18) Pyrene-d10	19.56	212	457938	26.06	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	537539	26.46	ng/ul	0.00
Target Compounds						Qvalue
16) Fluoranthene	19.23	202	46777	2.20	ng/ul#	90
19) Pyrene	19.59	202	43295	1.92	ng/ul#	93
20) Benzo(a)anthracene	21.34	228	31147m	1.29	ng/ul	
21) Chrysene	21.39	228	34672m	1.61	ng/ul	
23) Benzo(b)fluoranthene	22.94	252	68667	2.68	ng/ul#	97
26) Benzo(a)pyrene	23.53	252	37440	1.51	ng/ul	97

JU 11/13/17

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