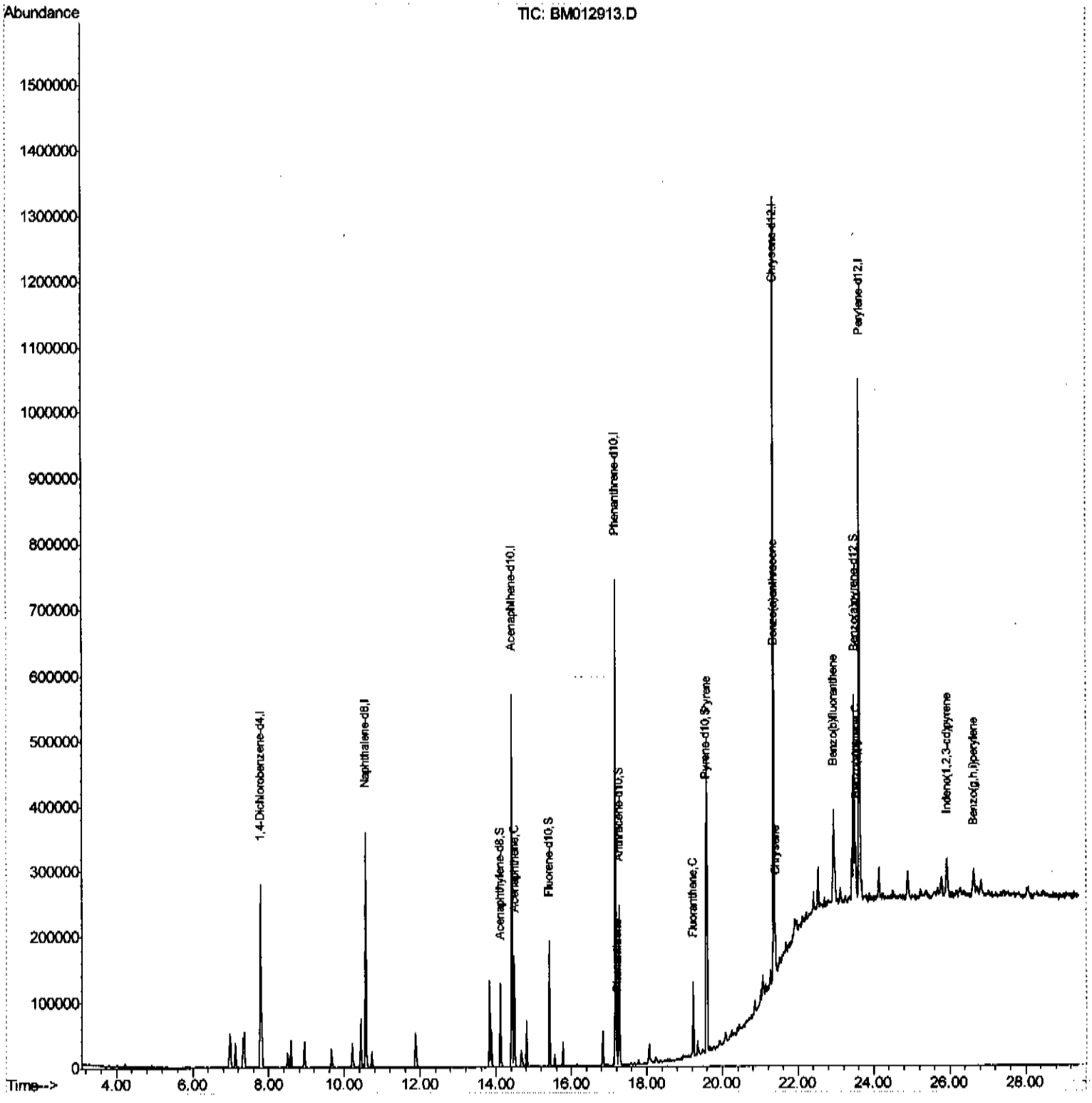
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012913.D
Acq On : 11 Nov 2017 21:47
Operator : SJ/JU
Sample : I6317-09MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 13 02:58:54 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 :
DAHJ3MSD

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:43 PM

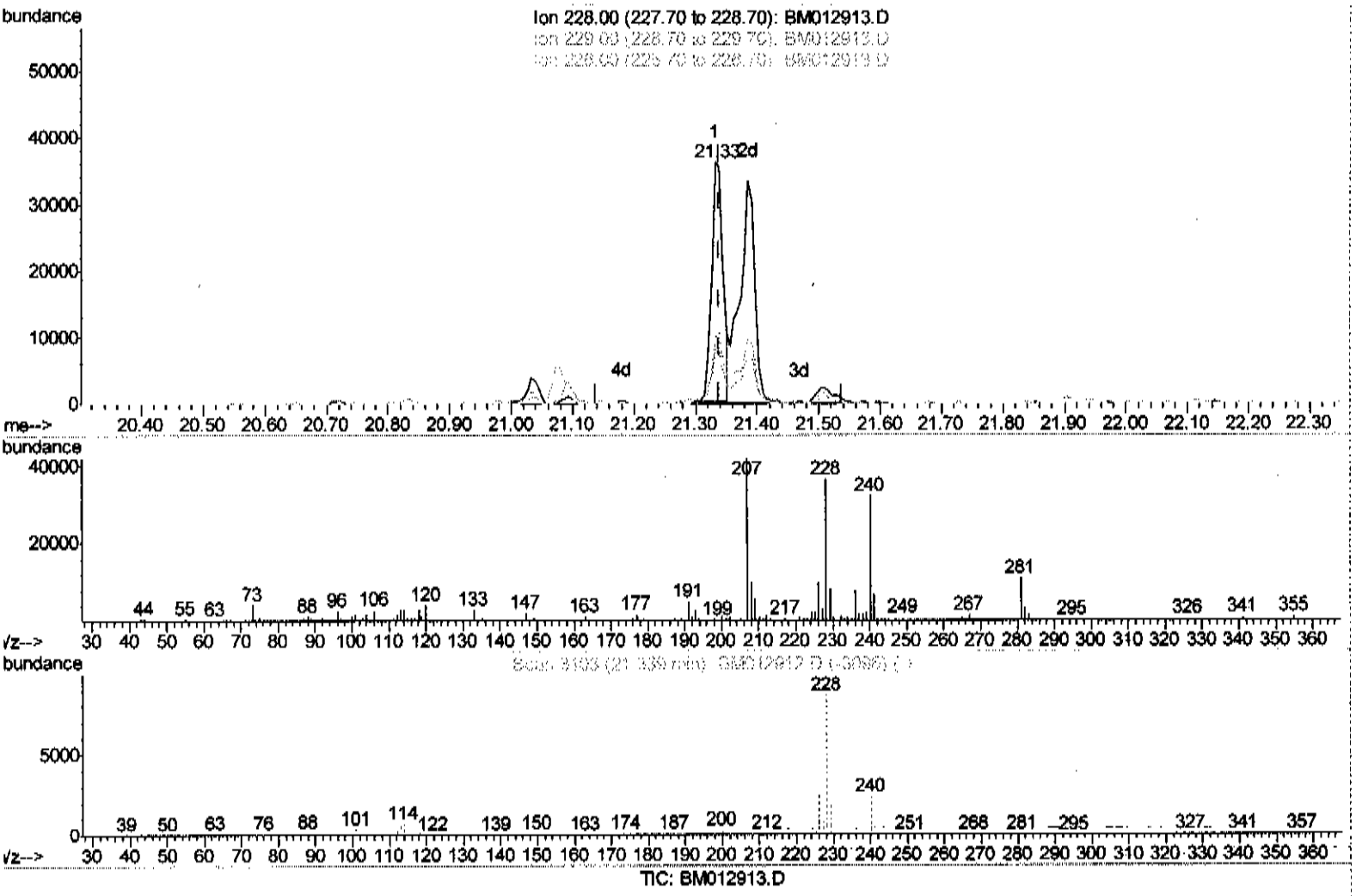


Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012913.D
Acq On : 11 Nov 2017 21:47
Operator : SJ/JU
Sample : I6317-09MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 13 02:10:09 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 :
DAHJ3MSD

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:43 PM



TIC: BM012913.D

(20) Benzo(a)anthracene

21.333min (-0.006) 1.40ng/ul

response 46340

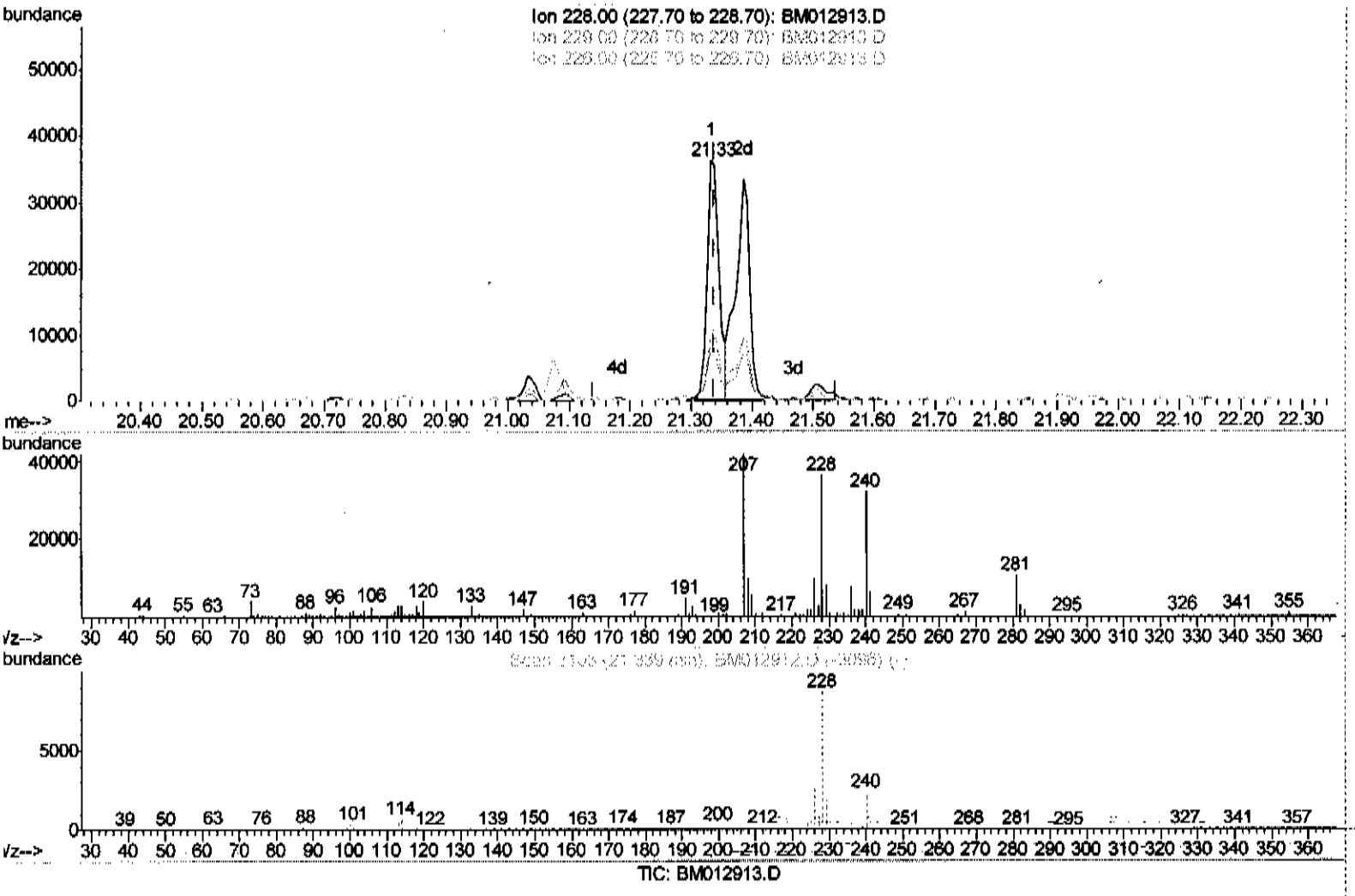
Ion	Exp%	Act%
228.00	100	100
229.00	19.60	22.68
226.00	26.40	27.51
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012913.D
Acq On : 11 Nov 2017 21:47
Operator : SJ/JU
Sample : I6317-09MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 13 02:10:09 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 :
DAHJ3MSD

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:43 PM



(20) Benzo(a)anthracene

21.333min (-0.006) 1.51ng/ul m JU 11/13/17

response 49749

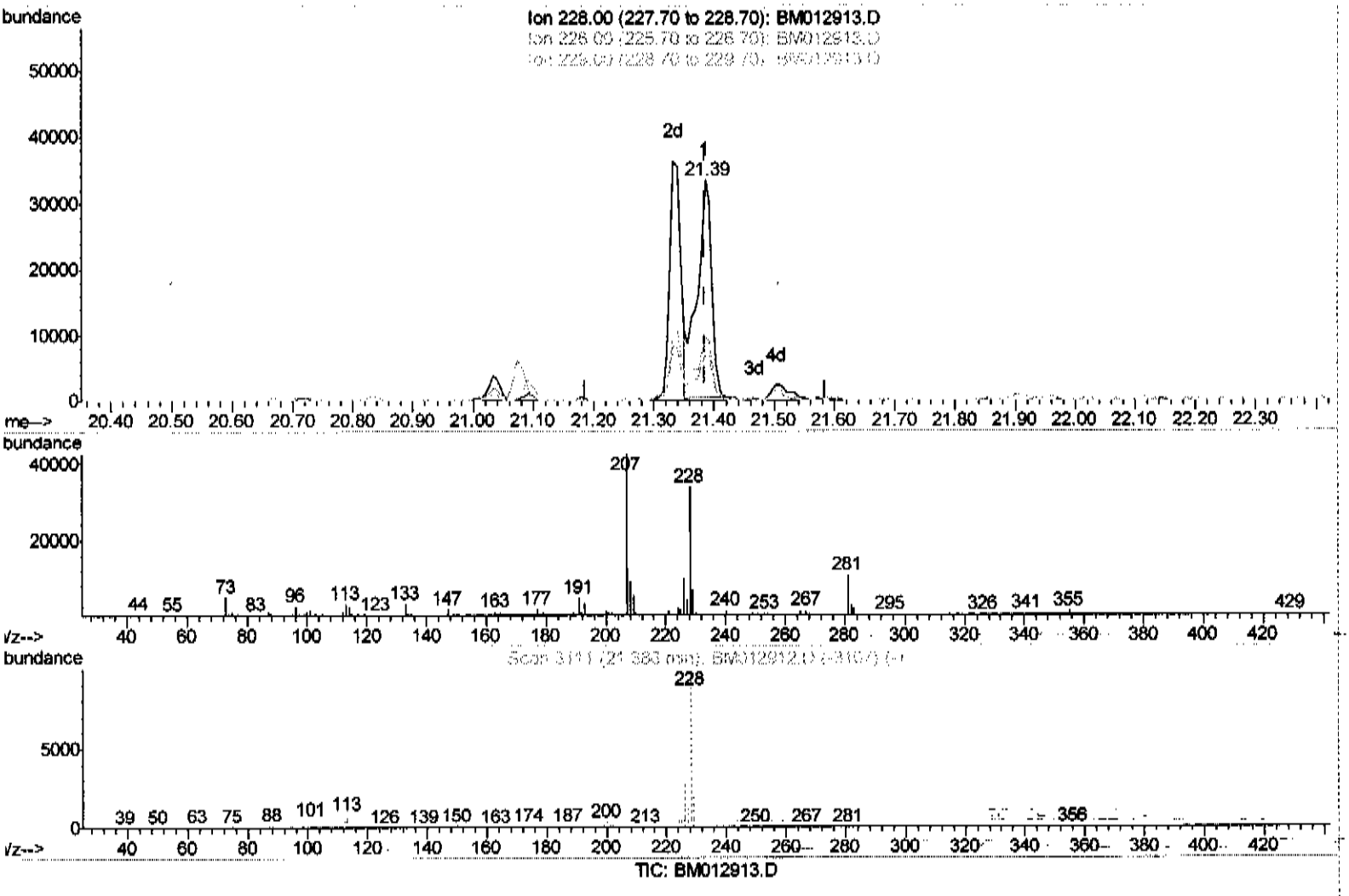
Ion	Exp%	Act%
228.00	100	100
229.00	19.60	22.68
226.00	26.40	27.51
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012913.D
Acq On : 11 Nov 2017 21:47
Operator : SJ/JU
Sample : I6317-09MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 13 02:10:09 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 :
DAHJ3MSD

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:43 PM



(21) Chrysene

21.386min (-0.000) 1.86ng/ul

response 54858

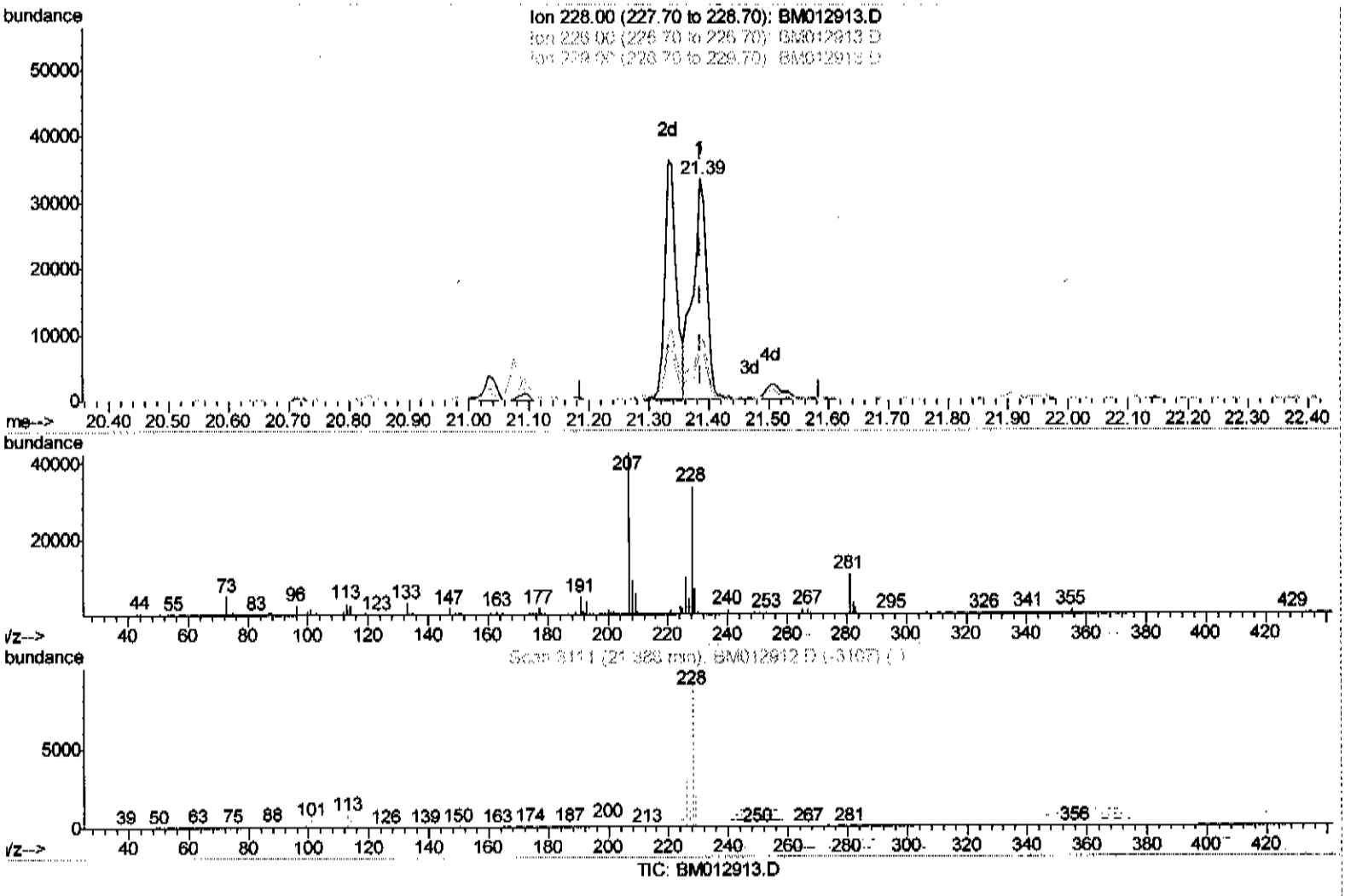
Ion	Exp%	Act%
228.00	100	100
226.00	30.60	28.83
229.00	19.80	20.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012913.D
Acq On : 11 Nov 2017 21:47
Operator : SJ/JU
Sample : I6317-09MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 13 02:10:09 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 :
DAHJ3MSD

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:43 PM



TIC: BM012913.D

(21) Chrysene

21.386min (-0.000) 1.83ng/ul m JU 11/13/17

response 54159

Ion	Exp%	Act%
228.00	100	100
226.00	30.60	28.83
229.00	19.80	20.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012913.D
Acq On : 11 Nov 2017 21:47
Operator : SJ/JU
Sample : I6317-09MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DAHJ3MSD

Manual Integrations APPROVED
SOHIL
11/13/2017 4:49:43 PM

Quant Time: Nov 13 02:58:54 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	7.79	152	83338	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	313348	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	186021	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	438414	20.00	ng/ul	0.00
17) Chrysene-d12	21.35	240	536806	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	604424	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	96731	5.00	ng/ul	0.00
10) Fluorene-d10	15.42	176	79674	6.02	ng/ul	0.00
14) Anthracene-d10	17.27	188	137739	6.50	ng/ul	0.00
18) Pyrene-d10	19.56	212	173271	7.21	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.48	264	201112	7.05	ng/ul	0.00
Target Compounds						Qvalue
9) Acenaphthene	14.49	153	68877	5.46	ng/ul	96
13) Phenanthrene	17.21	178	26634	1.10	ng/ul	99
16) Fluoranthene	19.23	202	64636	2.17	ng/ul#	92
19) Pyrene	19.59	202	267739	8.69	ng/ul#	95
20) Benzo(a)anthracene	21.33	228	49749m	1.51	ng/ul	
21) Chrysene	21.39	228	54159m	1.83	ng/ul	
23) Benzo(b)fluoranthene	22.94	252	124521	3.46	ng/ul	96
26) Benzo(a)pyrene	23.53	252	62571	1.79	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.93	276	59110	1.31	ng/ul#	92
29) Benzo(g,h,i)perylene	26.63	276	49914	1.33	ng/ul#	94

JU 11/13/17

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