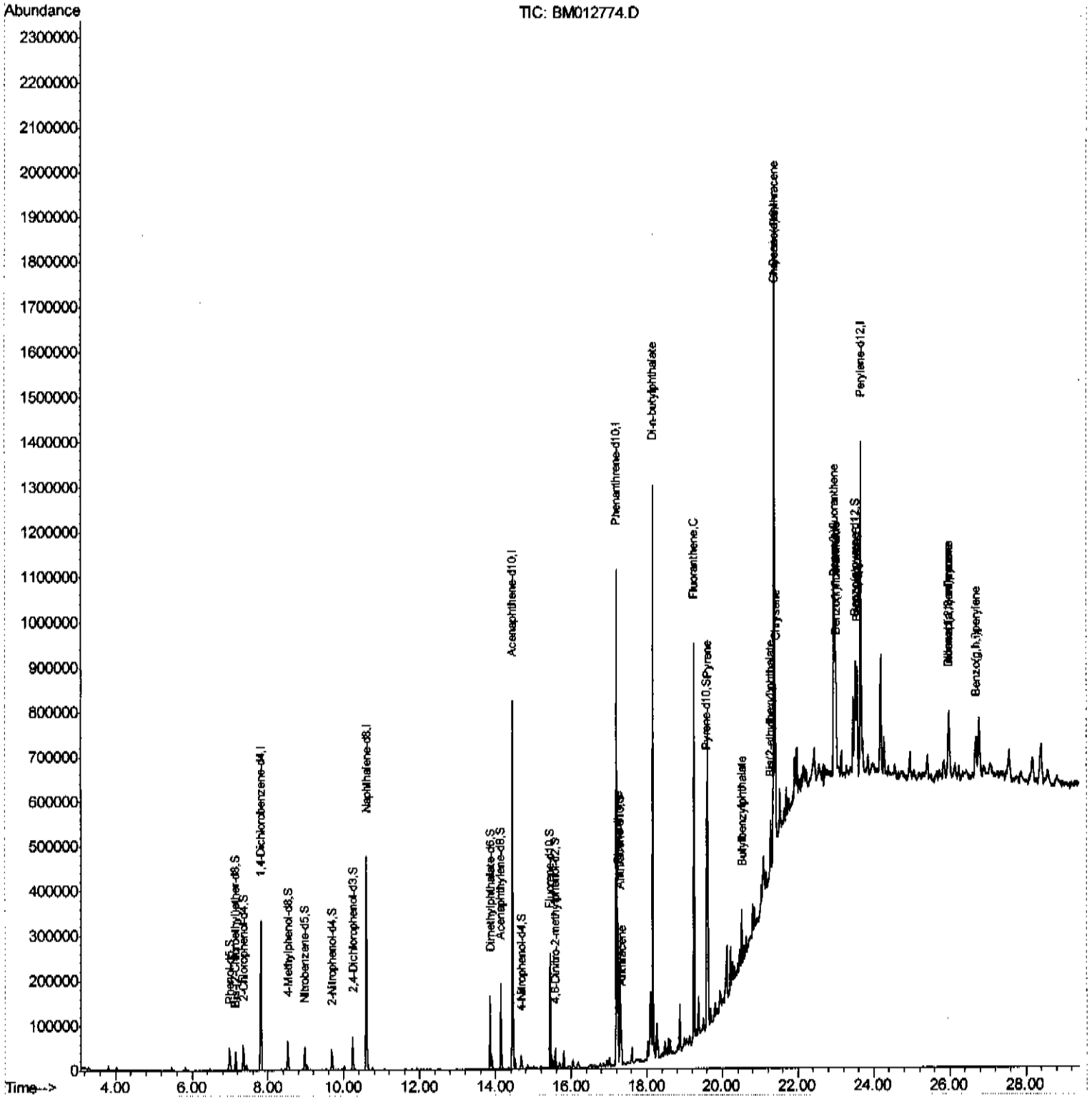
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:42:18 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-63(0-1)-101117DL

Manual Integrations APPROVED
Sohil
11/7/2017 5:35:13 PM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:07:44 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-63(0-1)-101117DL

Manual Integrations APPROVED
Sohil
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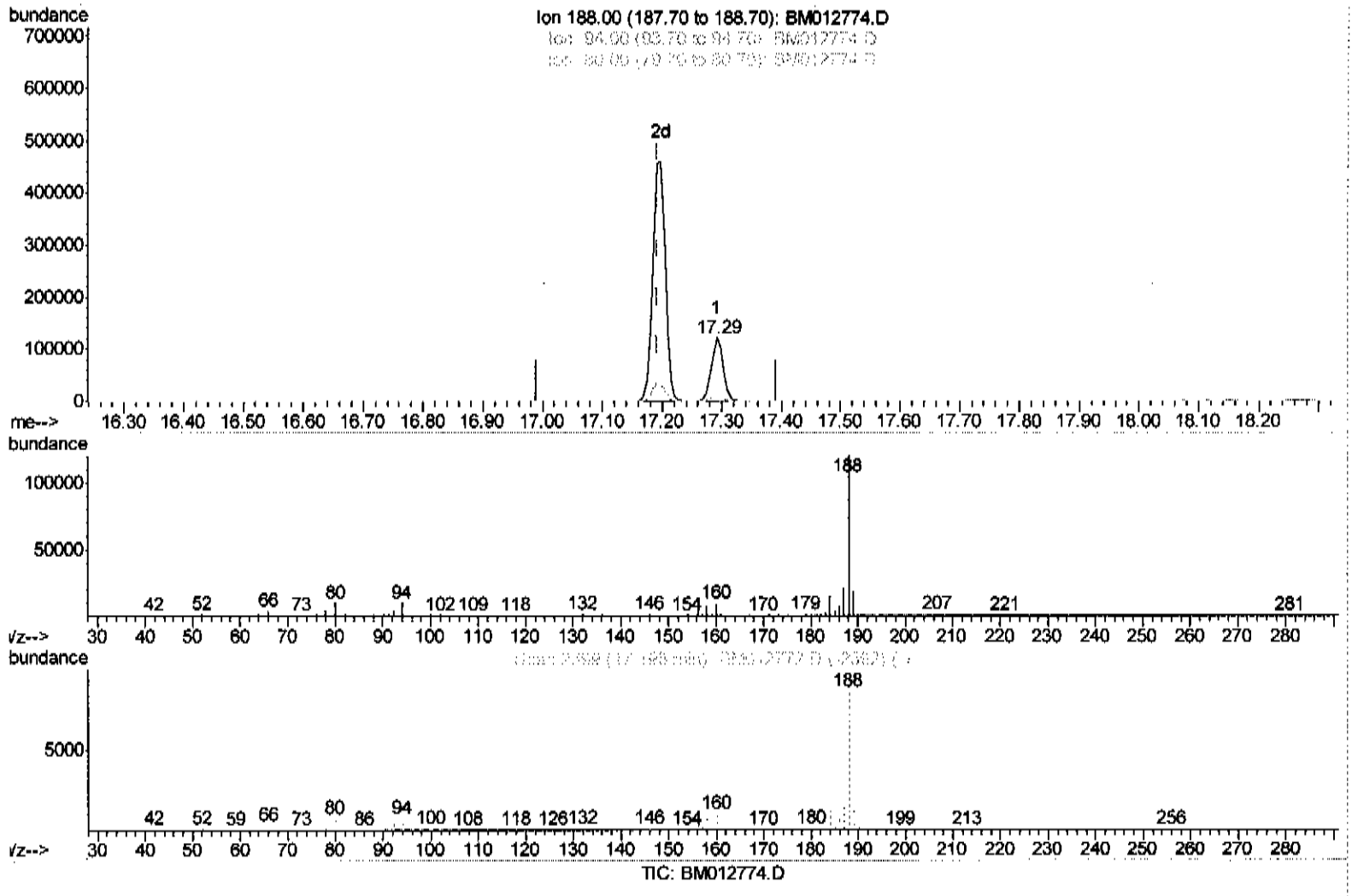


TIC: BM012774.D

(61) Phenanthrene-d10 (I)

17.292min (+0.100) 20.00ng/ul

response 163220

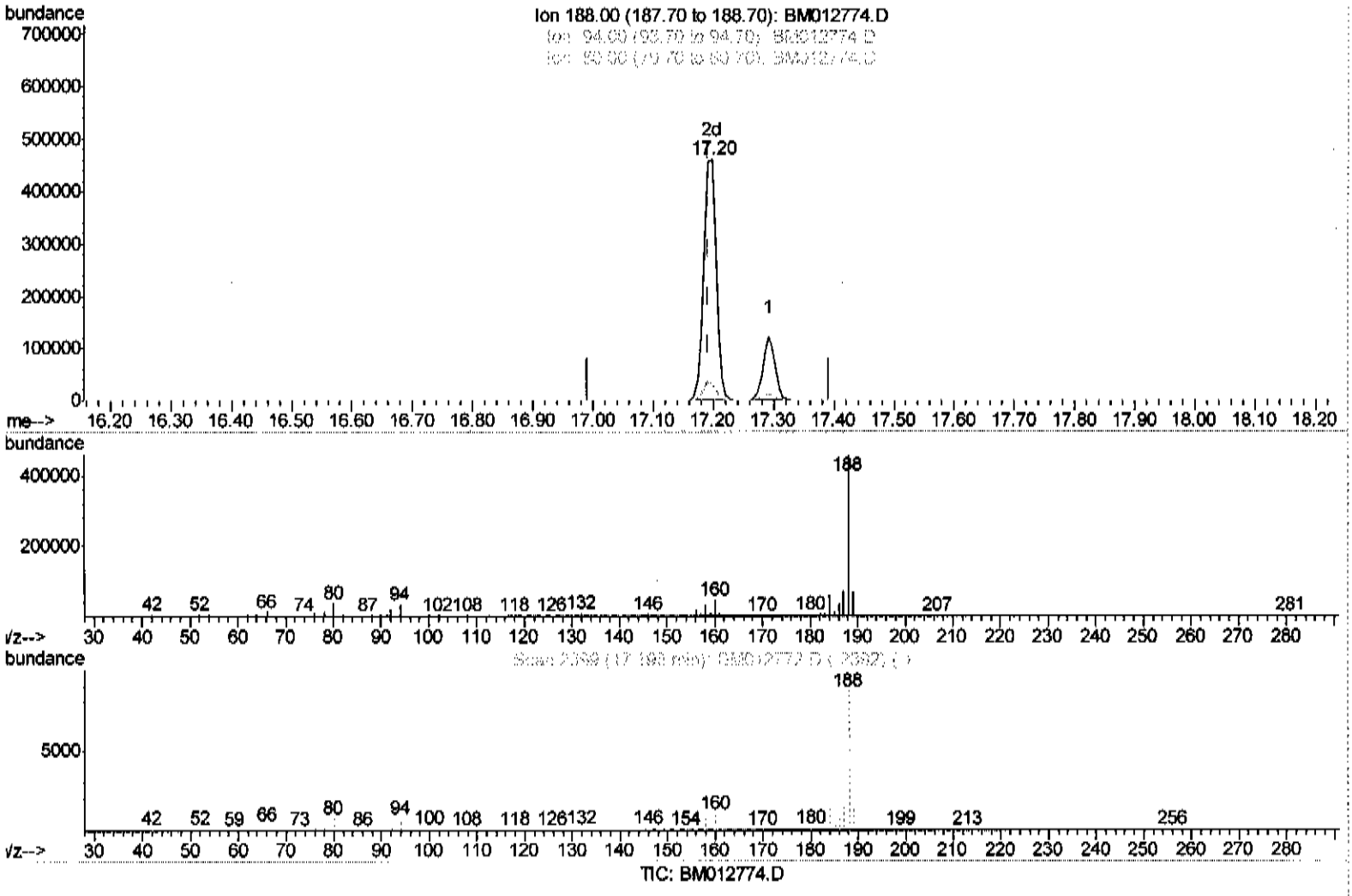
Ion	Exp%	Act%
188.00	100	100
94.00	9.00	8.37
80.00	9.70	8.23
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:07:44 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-63(0-1)-101117DL

Manual Integrations APPROVED
Sohil
11/7/2017 5:35:13 PM



(61) Phenanthrene-d10 (I)

17.198min (+0.006) 20.00ng/ul m JP 11/7/17

response 667083

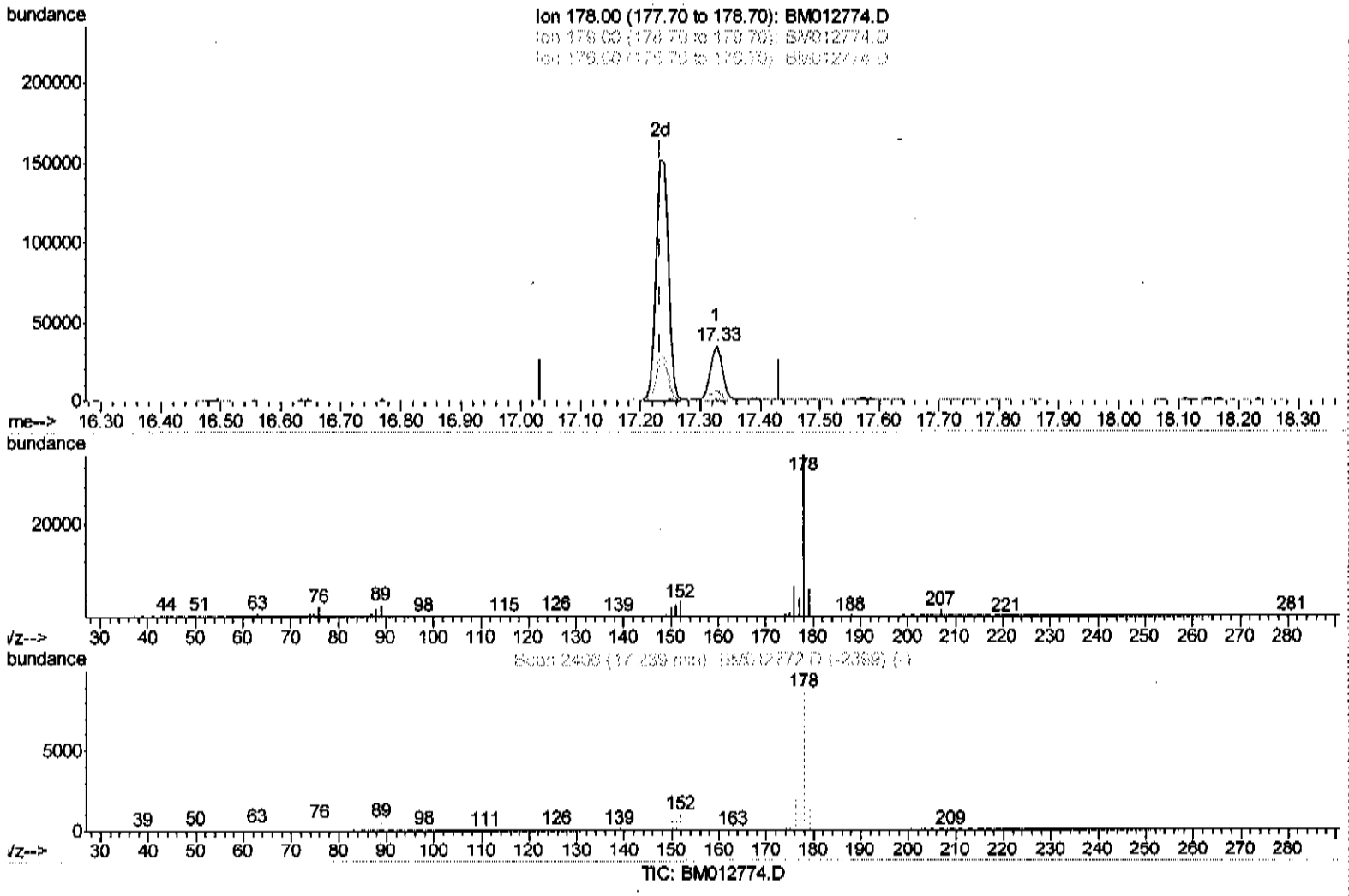
Ion	Exp%	Act%
188.00	100	100
94.00	9.00	7.17#
80.00	9.70	7.98
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:39:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-63(0-1)-101117DL

Manual Integrations APPROVED
Sohil
11/7/2017 5:35:13 PM



TIC: BM012774.D

(69) Phenanthrene

17.327min (+0.094) 1.38ng/ul

response 50268

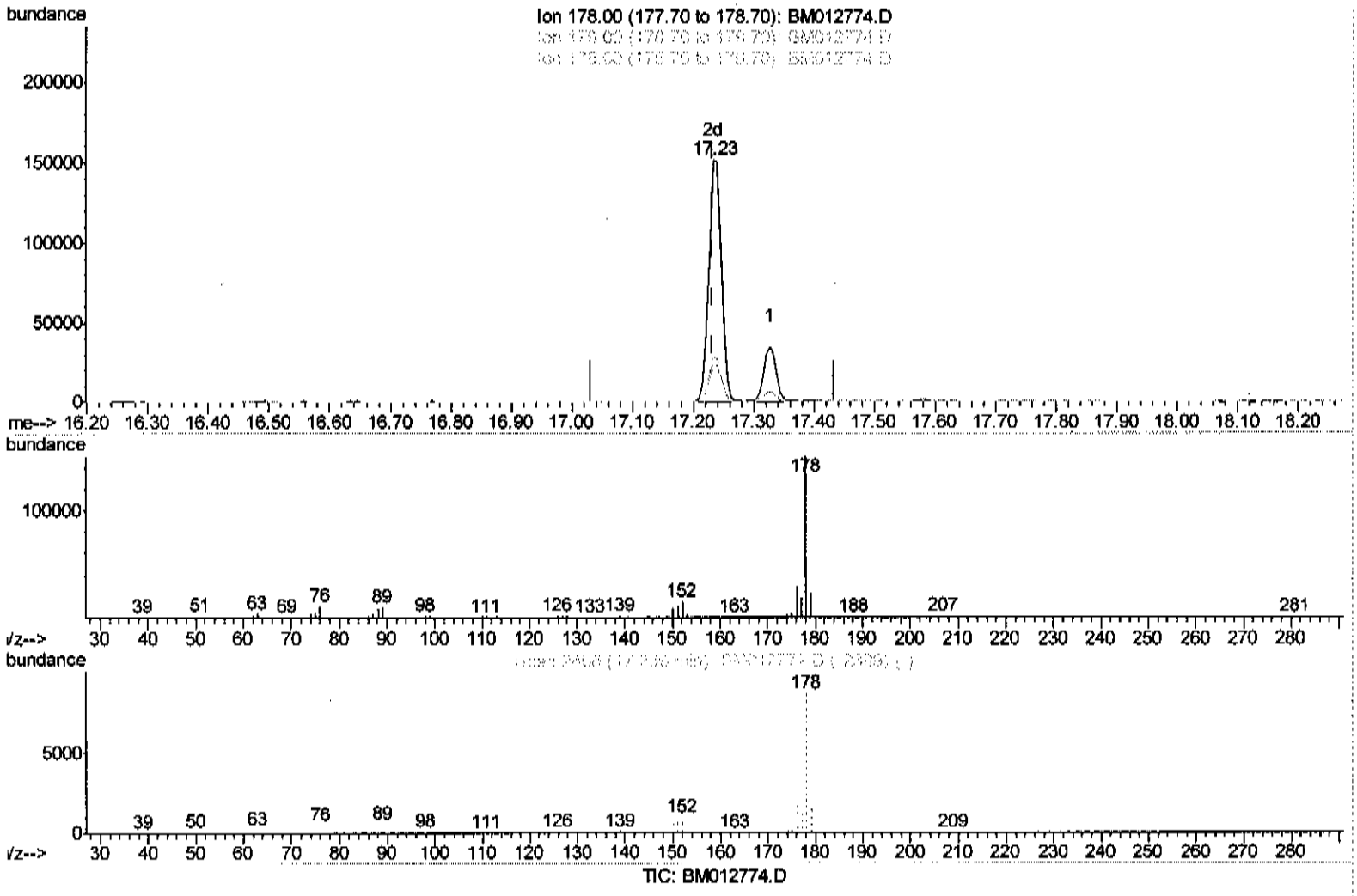
Ion	Exp%	Act%
178.00	100	100
179.00	15.30	17.39
176.00	19.50	18.93
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:39:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-63(0-1)-101117DL

Manual Integrations APPROVED
Sohil
11/7/2017 5:35:13 PM



(69) Phenanthrene

17.233min (-0.000) 5.98ng/ul m JU 11/7/17

response 218120

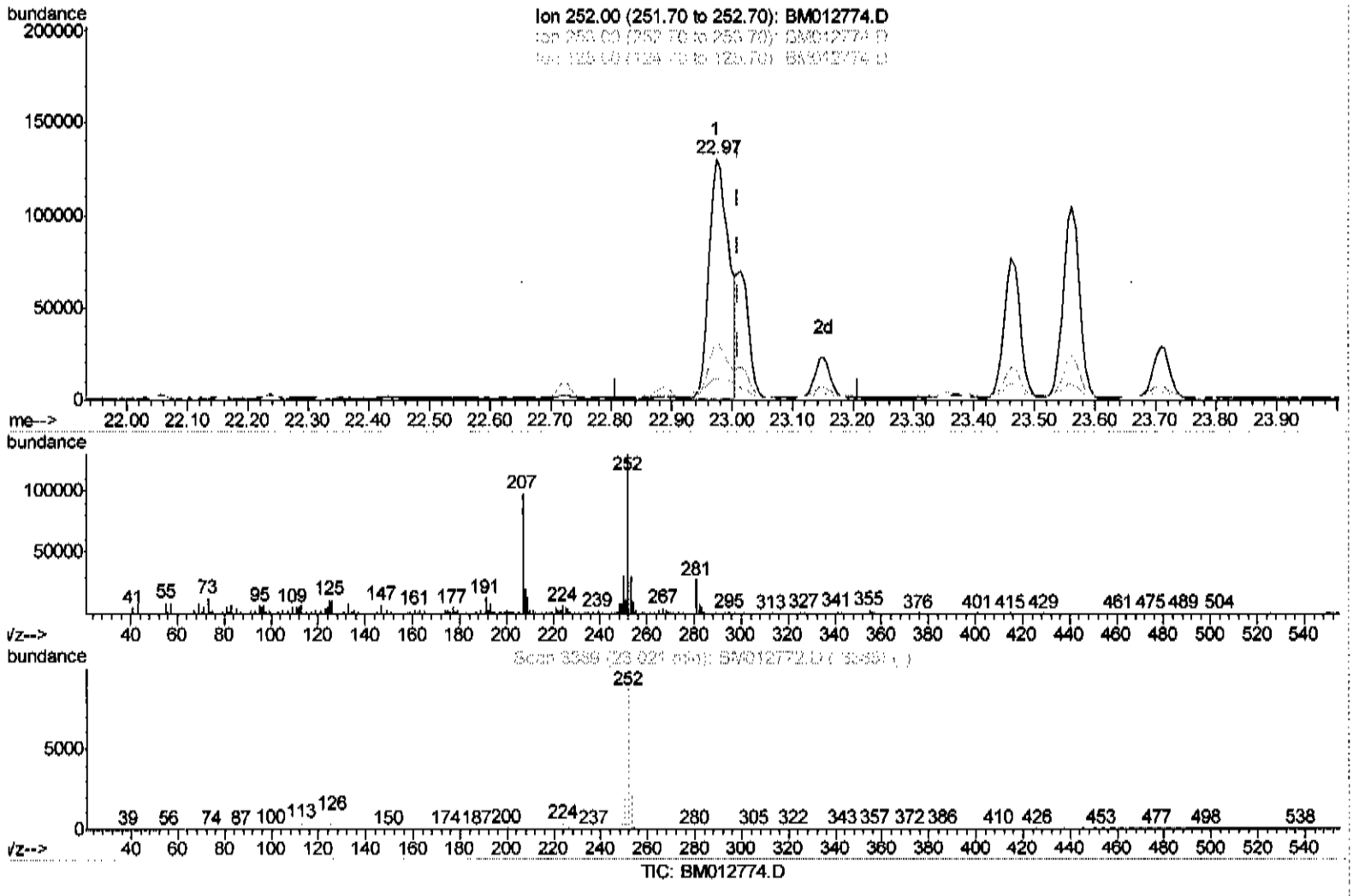
Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.42
176.00	19.50	19.29
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:39:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-63(0-1)-101117DL

Manual Integrations APPROVED
Sohil
11/7/2017 5:35:13 PM



TIC: BM012774.D

(88) Benzo(k)fluoranthene

22.974min (-0.035) 8.86ng/ul

response 292880

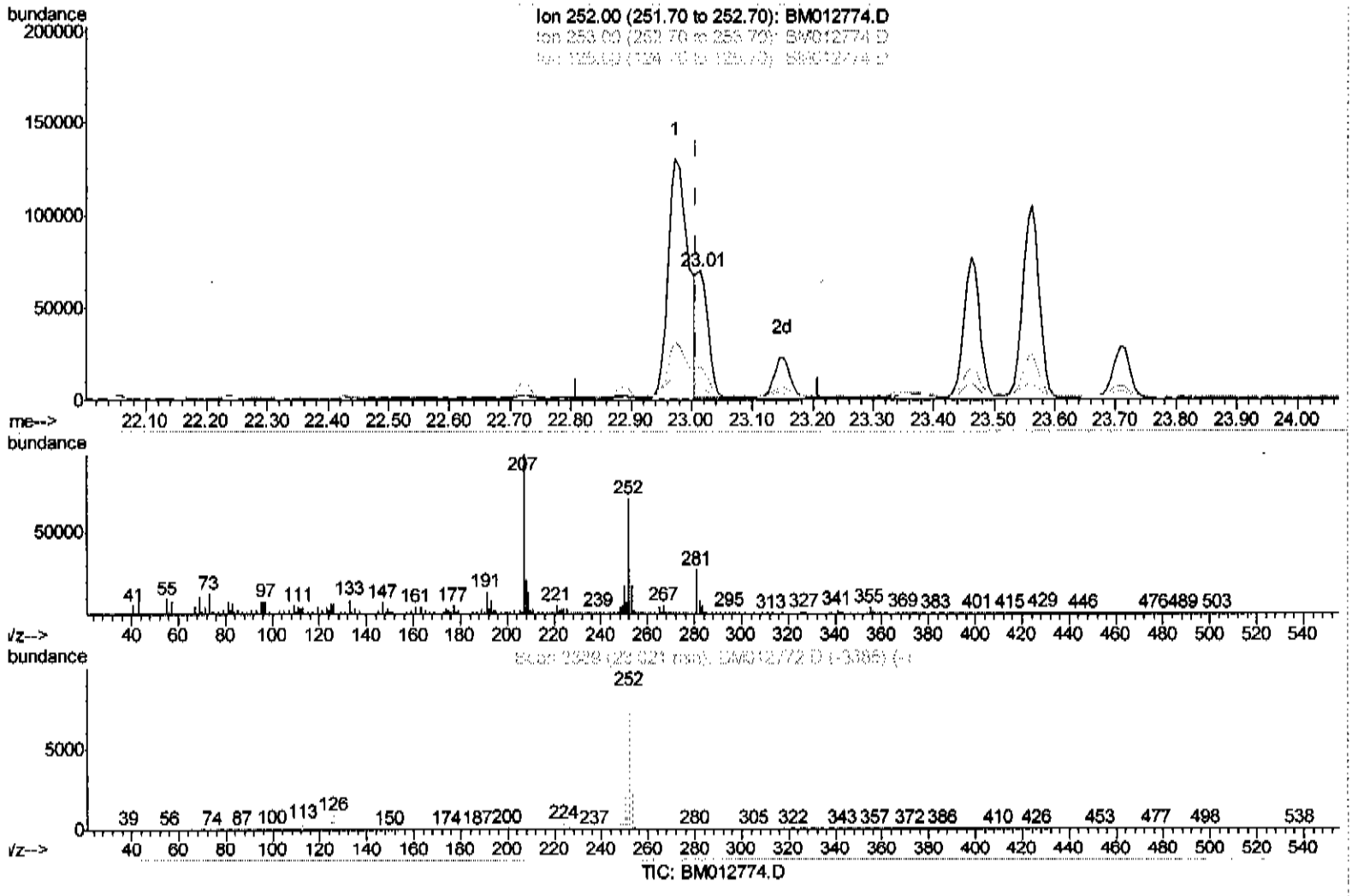
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.53
125.00	10.20	9.20
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:39:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-63(0-1)-101117DL

Manual Integrations APPROVED
Sohil
11/7/2017 5:35:13 PM



(88) Benzo(k)fluoranthene

23.015min (+0.006) 2.92ng/ul m JU 11/7/17

response 96403

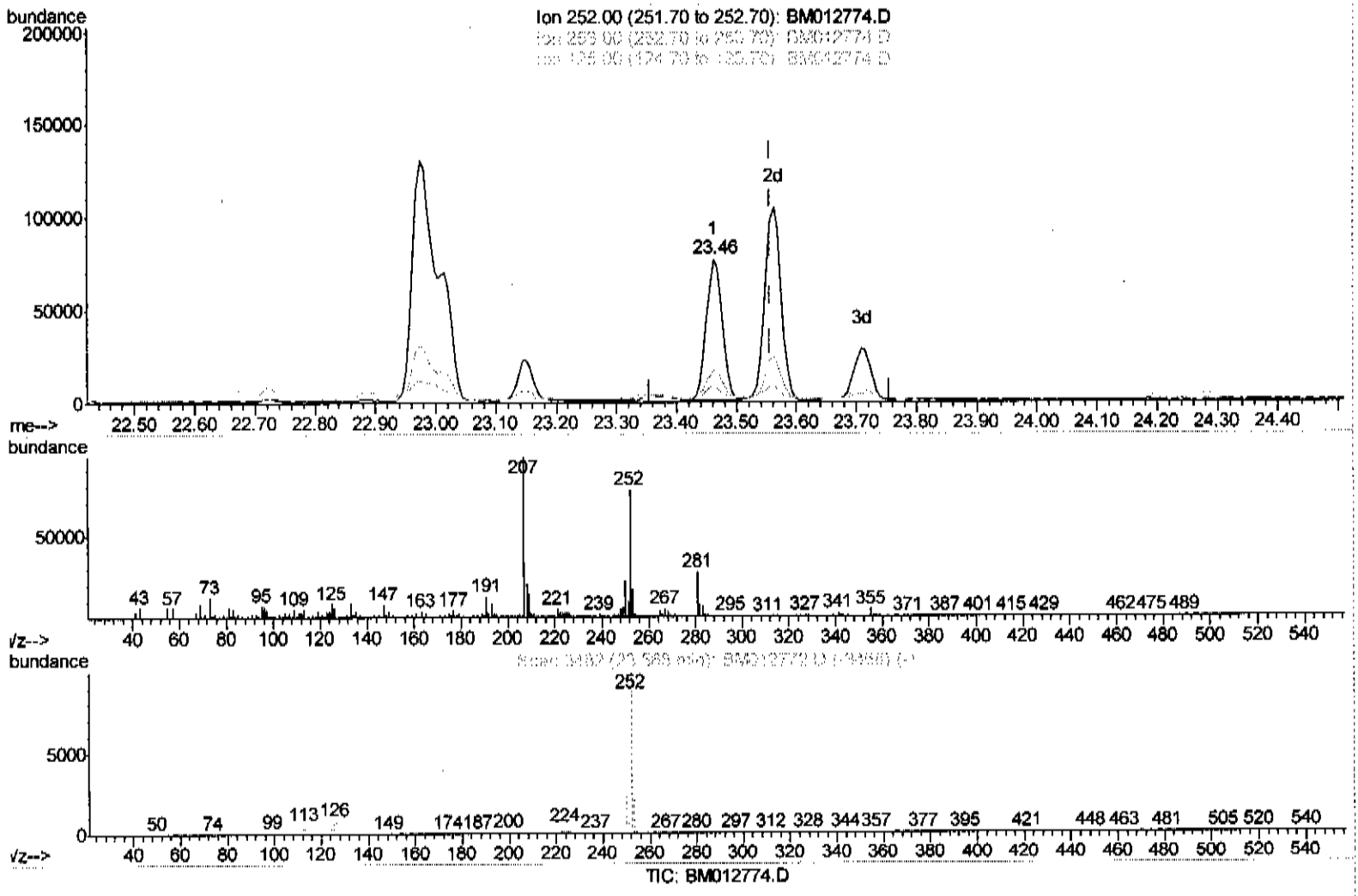
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	25.68
125.00	10.20	9.21
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:39:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-63(0-1)-101117DL

Manual Integrations APPROVED
Sohil
11/7/2017 5:35:13 PM



(90) Benzo(a)pyrene (C)

23.462min (-0.094) 4.18ng/ul

response 138448

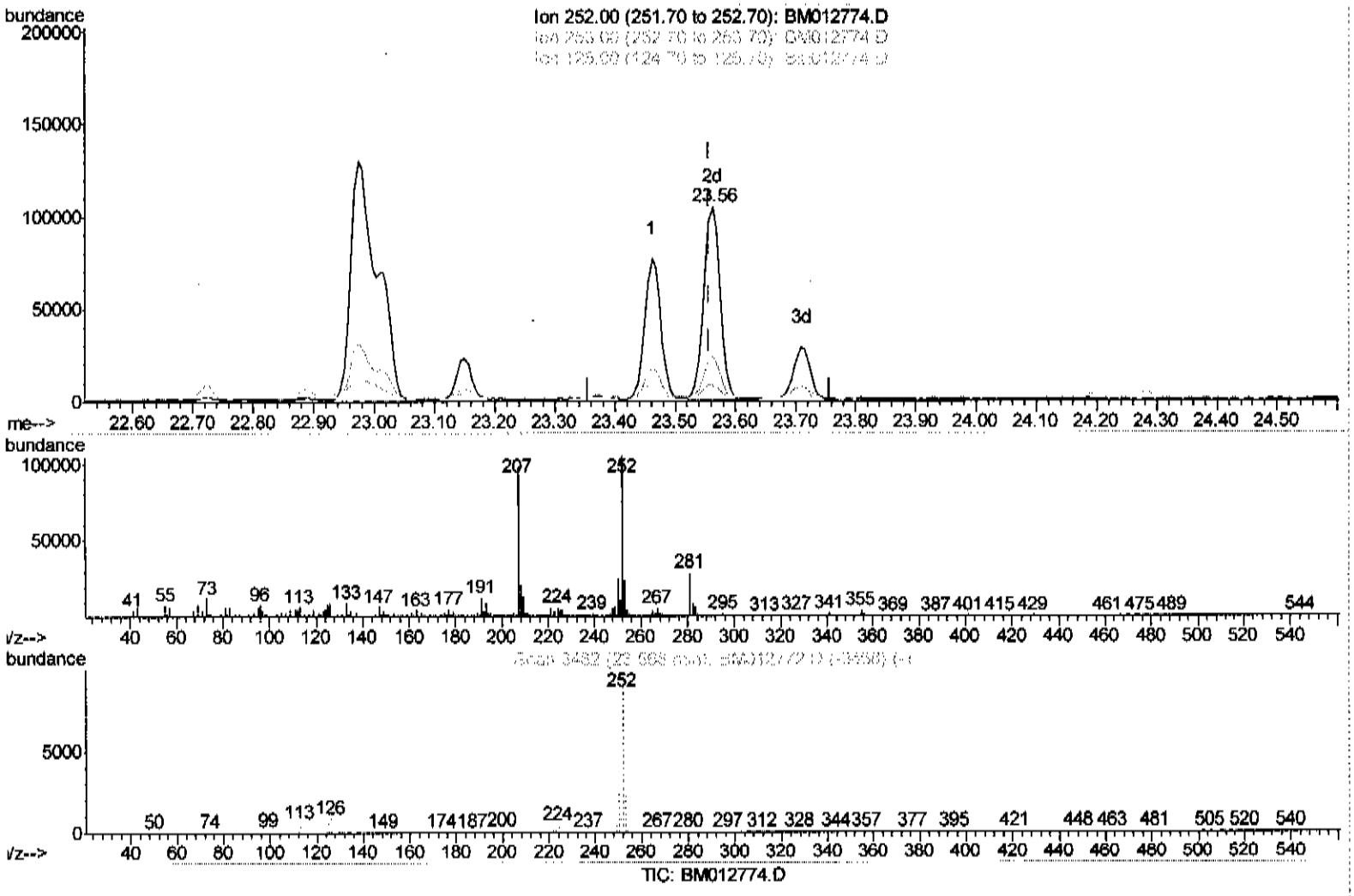
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.08
125.00	11.30	11.44
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:39:54 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-63(0-1)-101117DL

Manual Integrations APPROVED
Sohil
11/7/2017 5:35:13 PM



(90) Benzo(a)pyrene (C)

23.562min (+0.006) 5.98ng/ul m JU 11/7/17

response 197971

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.01
125.00	11.30	8.15#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012774.D
Acq On : 06 Nov 2017 13:11
Operator : SJ/JU
Sample : I5825-02DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 04:42:18 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
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Instrument : BNA_M
ClientSampleId : B-63(0-1)-101117DL

Manual Integrations APPROVED
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11/7/2017 5:35:13 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	94811	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	414513	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	277988	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	667083m	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	649780	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	568995	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	1228	0.70	ng/uL	0.00
5) Phenol-d5	6.99	99	30805	4.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	18207	4.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	27699	4.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	27513	4.52	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	13833	4.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	16209	4.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	33216	4.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	4288	0.62	ng/ul	0.01
43) Dimethylphthalate-d6	13.86	166	117145	5.09	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	139559	4.90	ng/ul	0.00
51) 4-Nitrophenol-d4	14.68	143	10289	2.79	ng/ul	0.02
57) Fluorene-d10	15.44	176	104037	5.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	11455	2.60	ng/ul	0.00
70) Anthracene-d10	17.29	188	162921	5.05	ng/ul	0.00
78) Pyrene-d10	19.59	212	182560	6.05	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	139080	5.17	ng/ul	0.00
Target Compounds						Qvalue
69) Phenanthrene	17.23	178	218120m	5.98	ng/ul	
71) Anthracene	17.33	178	48859	1.29	ng/ul	97
75) Di-n-butylphthalate	18.16	149	890896	24.11	ng/ul	100
76) Fluoranthene	19.25	202	519507	11.86	ng/ul#	94
79) Pyrene	19.62	202	437714	11.29	ng/ul#	91
80) Butylbenzylphthalate	20.51	149	33795	2.39	ng/ul#	93
82) Benzo(a)anthracene	21.36	228	224628	5.71	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.28	149	43560	2.12	ng/ul#	94
84) Chrysene	21.41	228	210071	5.90	ng/ul	98
87) Benzo(b)fluoranthene	22.97	252	292880	8.42	ng/ul	96
88) Benzo(k)fluoranthene	23.01	252	96403m	2.92	ng/ul	
90) Benzo(a)pyrene	23.56	252	197971m	5.98	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.98	276	142454	3.57	ng/ul#	87
92) Dibenzo(a,h)anthracene	25.98	278	35176	1.04	ng/ul#	87
93) Benzo(g,h,i)perylene	26.69	276	130478	3.97	ng/ul#	90

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JU 11/7/17

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