

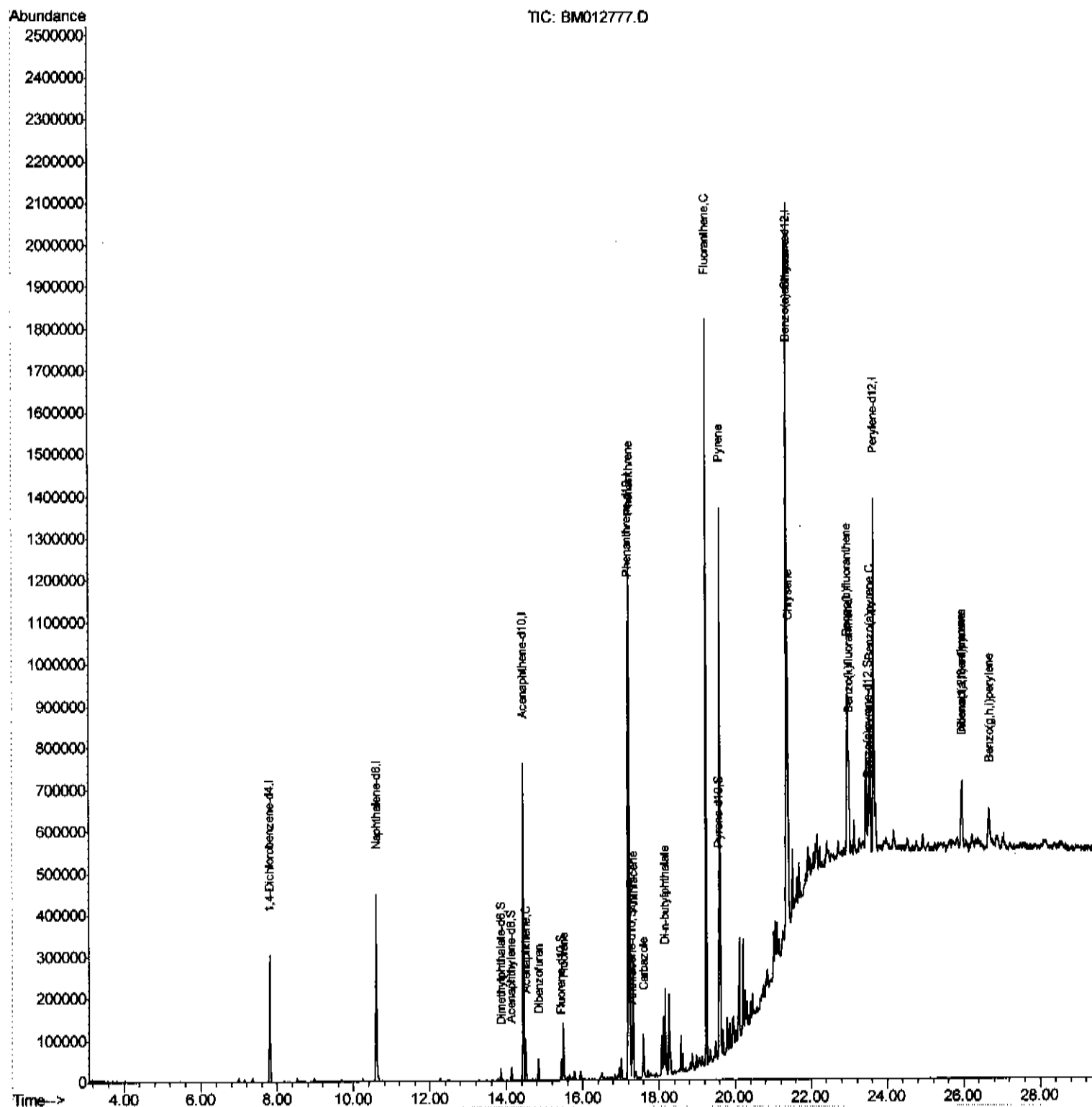
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012777.D
Acq On : 06 Nov 2017 14:59
Operator : SJ/JU
Sample : I5825-03DL 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-63(1-3)-101117DL

Manual Integrations
APPROVED

Sohil
11/7/2017 5:35:15 PM

Quant Time: Nov 07 05:37:27 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



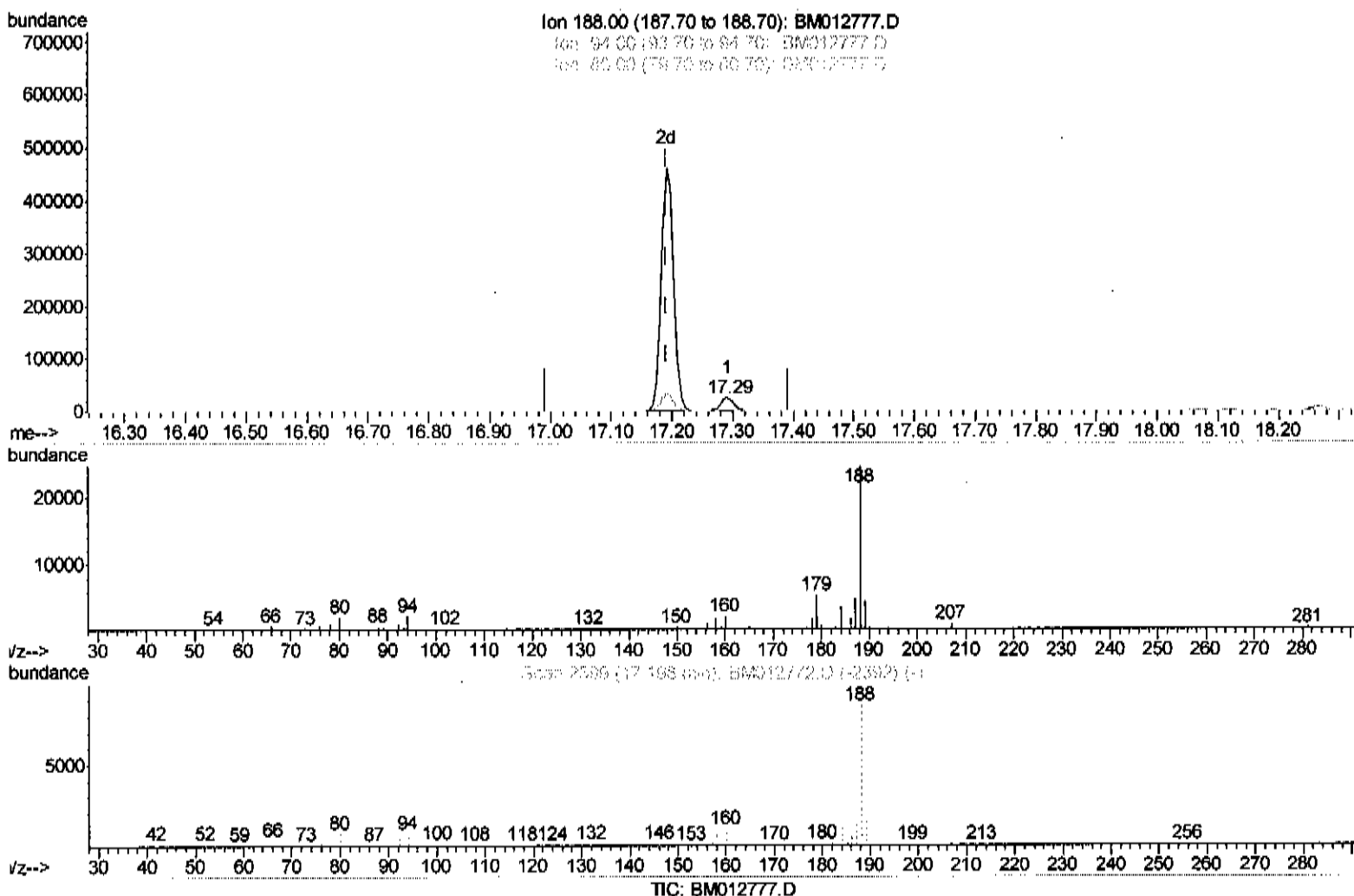
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 04:08:32 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



(61) Phenanthrene-d10 (I)

17.292min (+0.100) 20.00ng/ul

response 35954

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	9.13
80.00	9.70	8.61
0.00	0.00	0.00

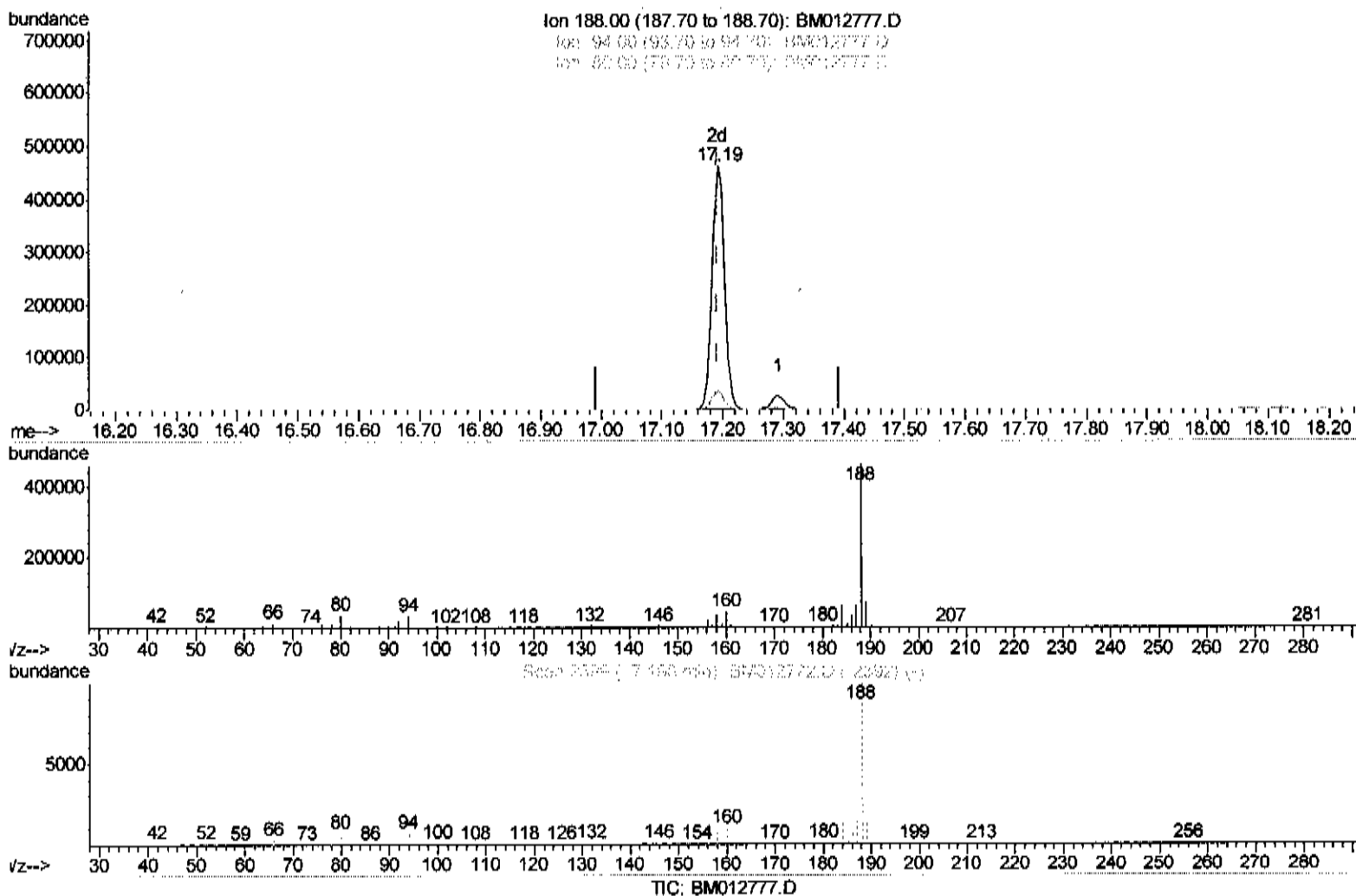
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 04:08:32 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



(61) Phenanthrene-d10 (I)

17.192min (-0.000) 20.00ng/ul m_g 11/7/17

response 648821

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	7.19#
80.00	9.70	7.95
0.00	0.00	0.00

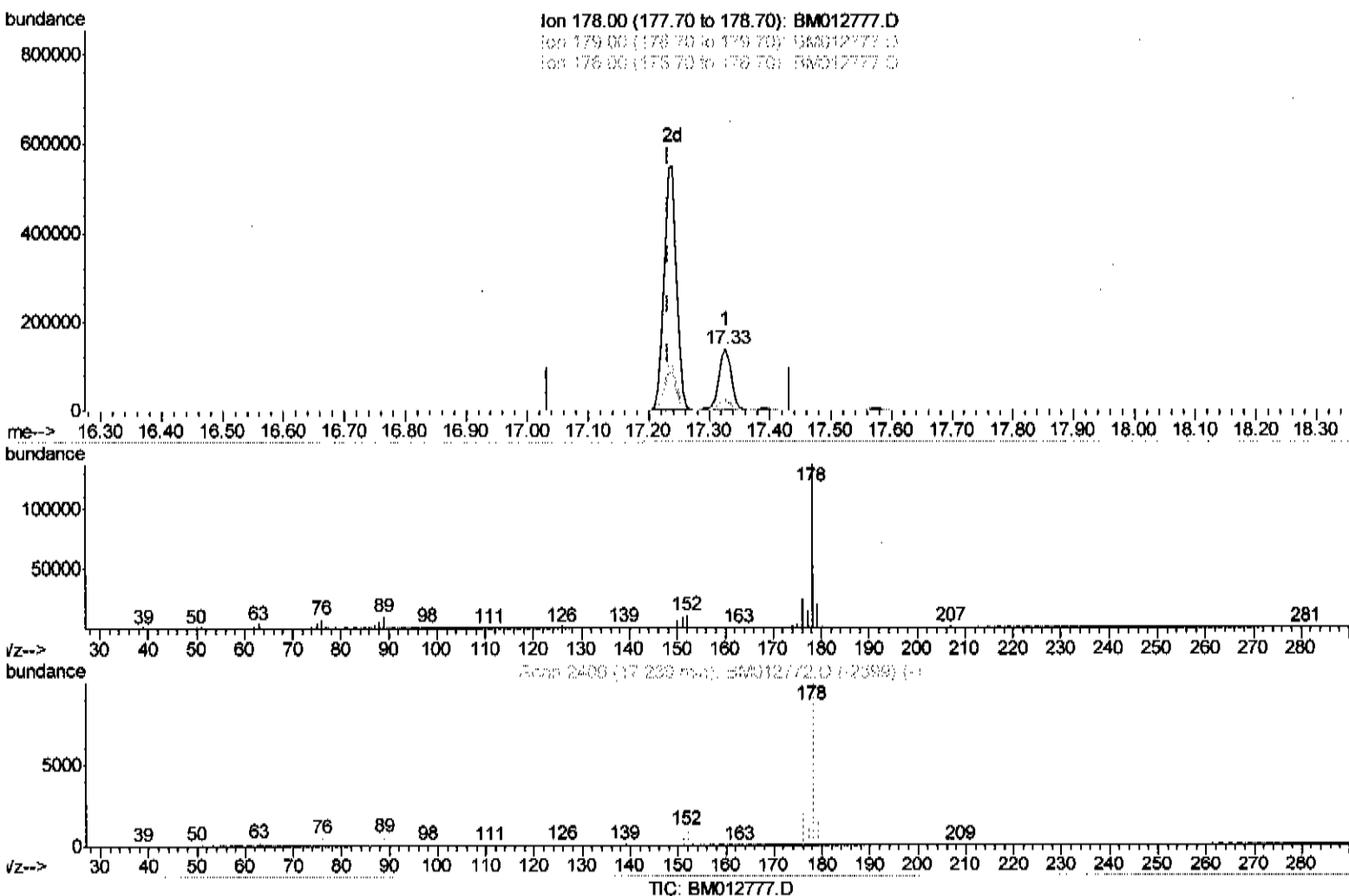
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 05:35:25 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



(69) Phenanthrene

17.327min (+0.094) 5.41ng/ul

response 191977

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	14.76
176.00	19.50	17.96
0.00	0.00	0.00

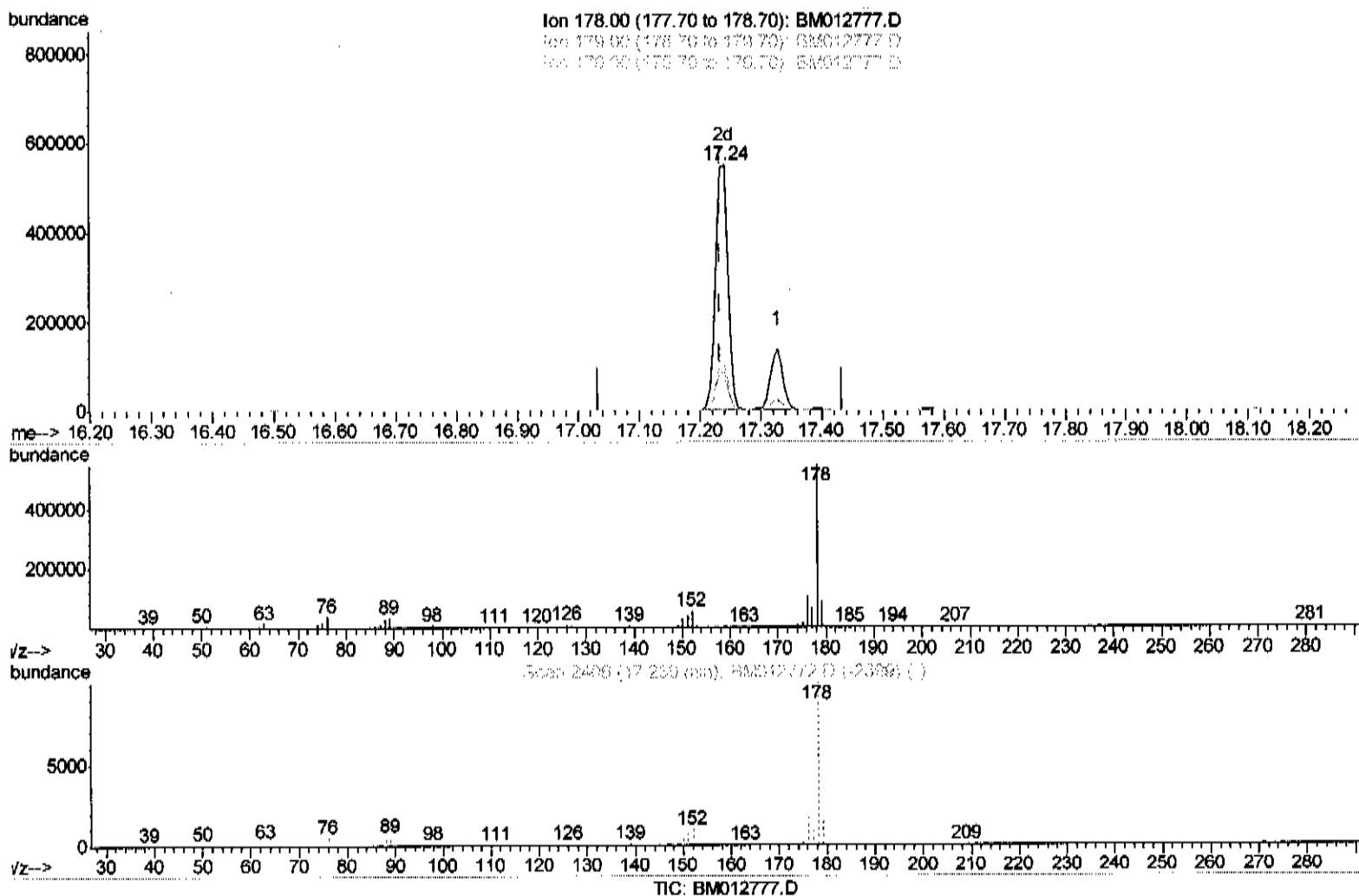
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 05:35:25 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



(69) Phenanthrene

17.239min (+0.006) 21.95ng/ul m

response 778458

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.53
176.00	19.50	18.64
0.00	0.00	0.00

54 11/7/17

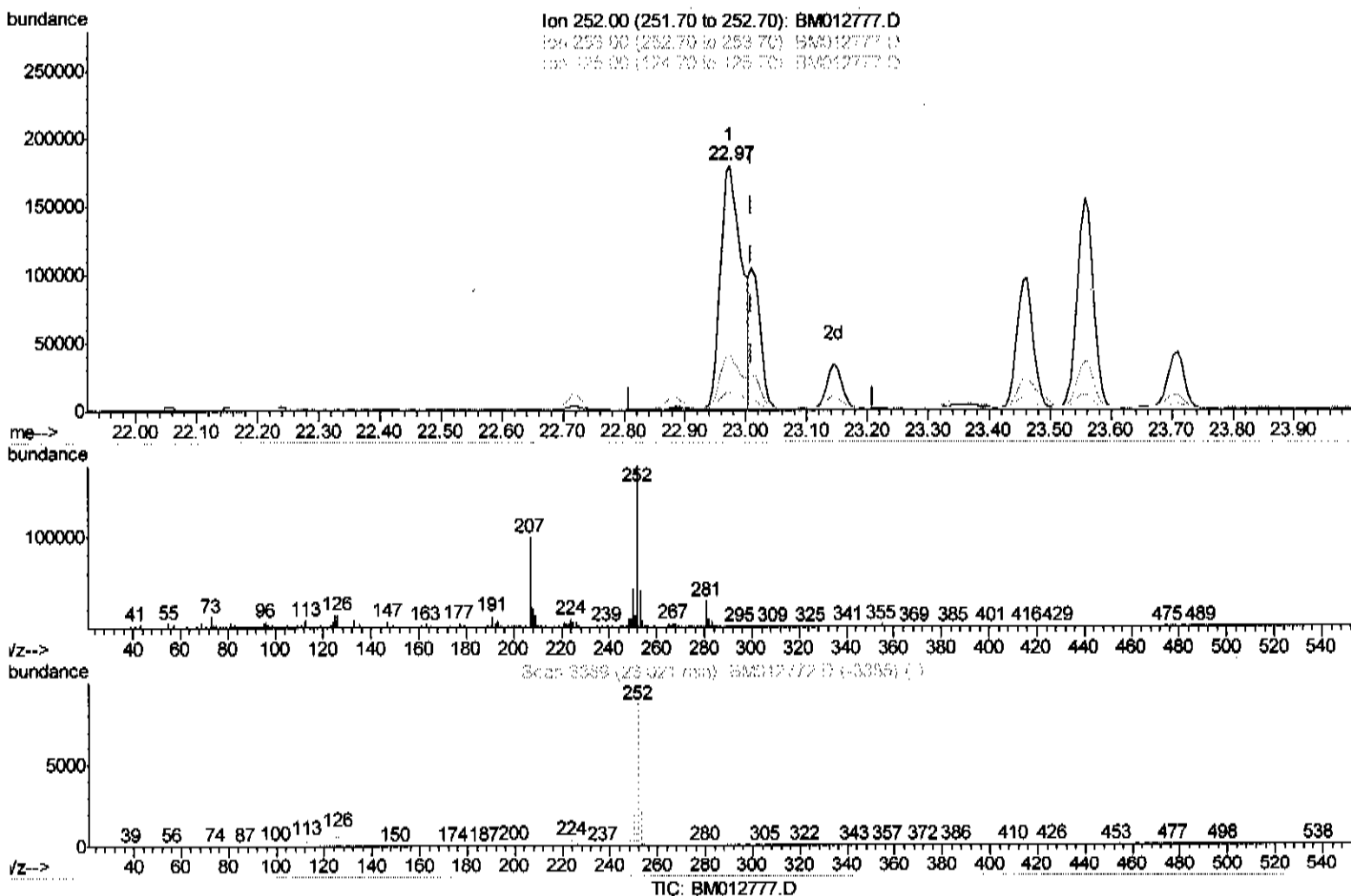
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 05:35:25 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



(88) Benzo(k)fluoranthene

22.974min (-0.035) 11.36ng/ul

response 435594

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.71
125.00	10.20	7.38#
0.00	0.00	0.00

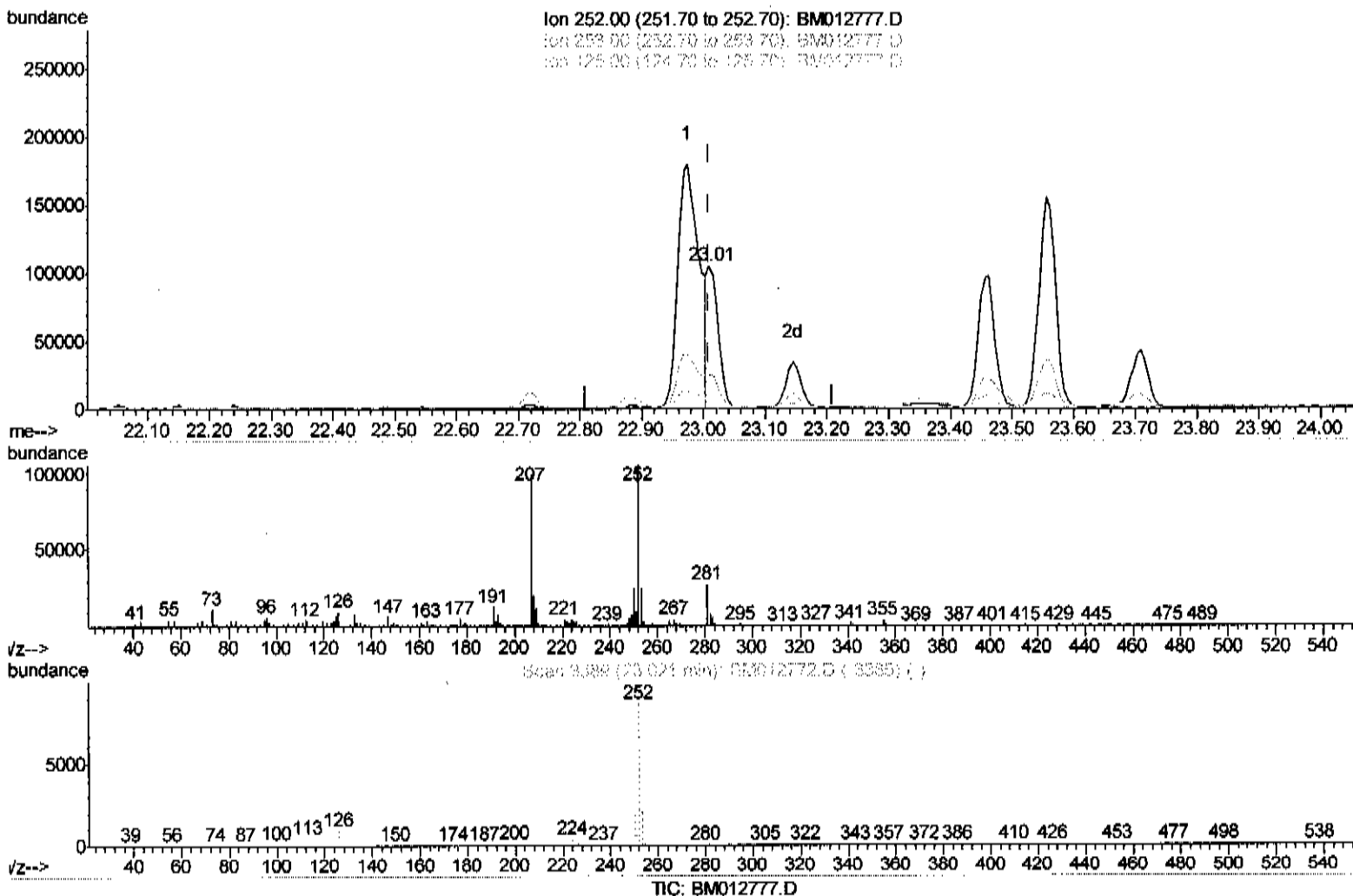
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 05:35:25 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



(88) Benzo(k)fluoranthene

23.009min (-0.000) 3.30ng/ui m

response 126601

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.27
125.00	10.20	6.93#
0.00	0.00	0.00

SJ 11/7/17

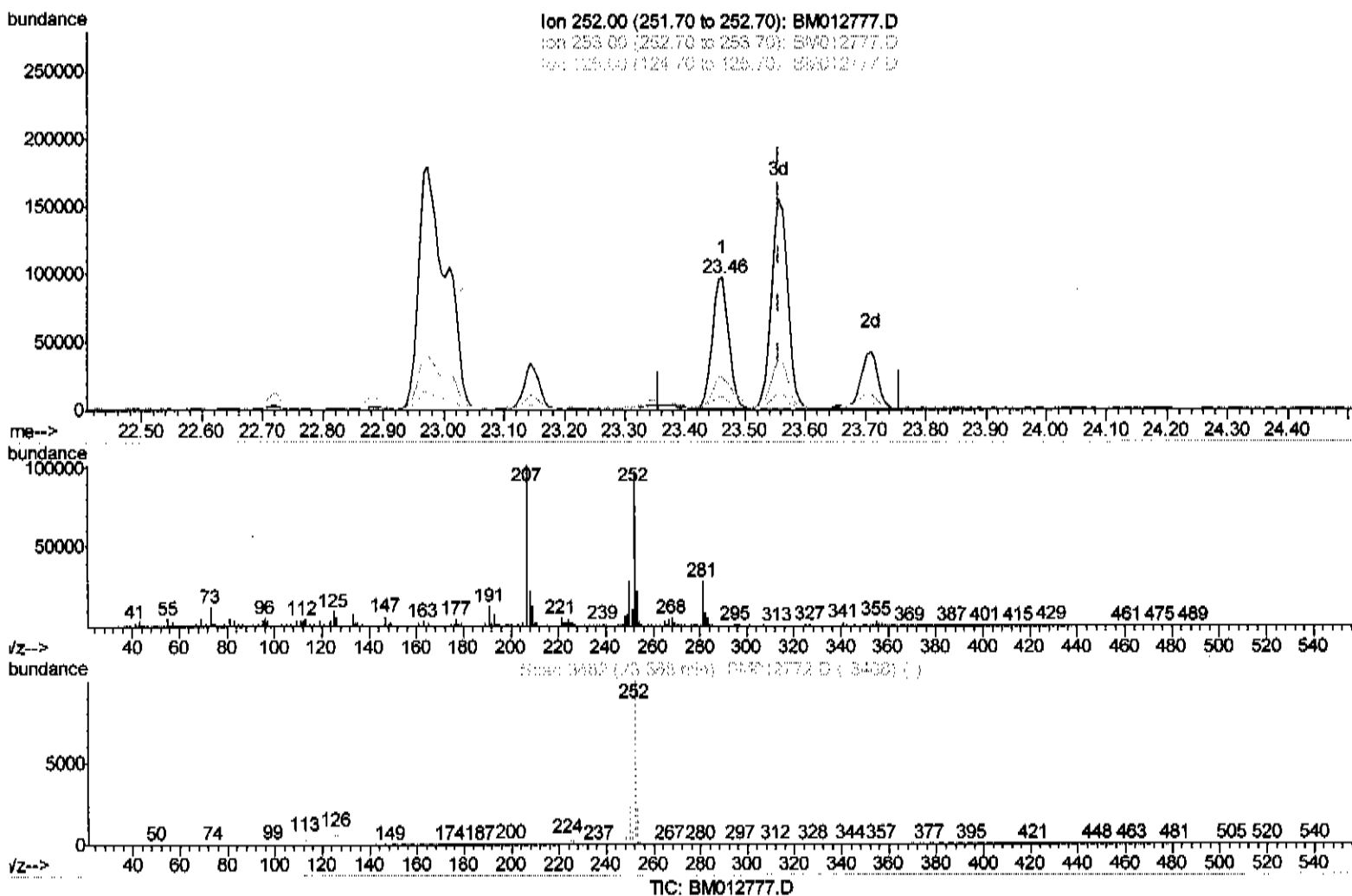
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 05:35:25 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



(90) Benzo(a)pyrene (C)

23.462min (-0.094) 4.74ng/ul

response 182099

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	24.05
125.00	11.30	10.17
0.00	0.00	0.00

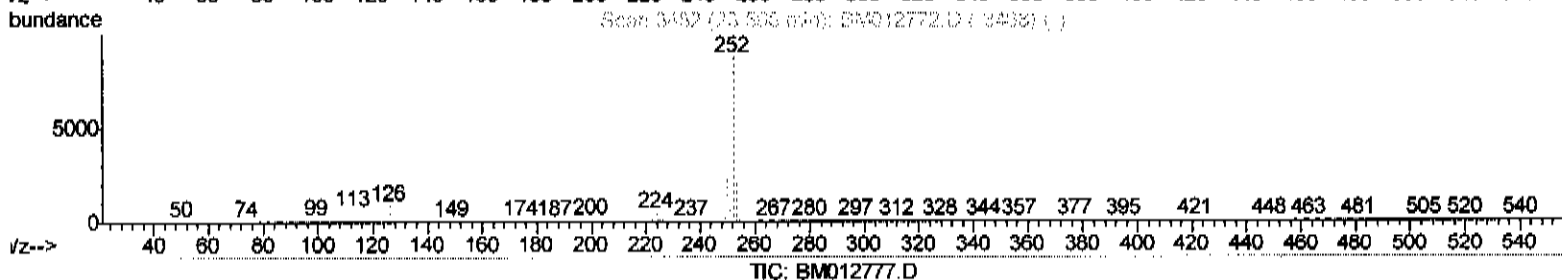
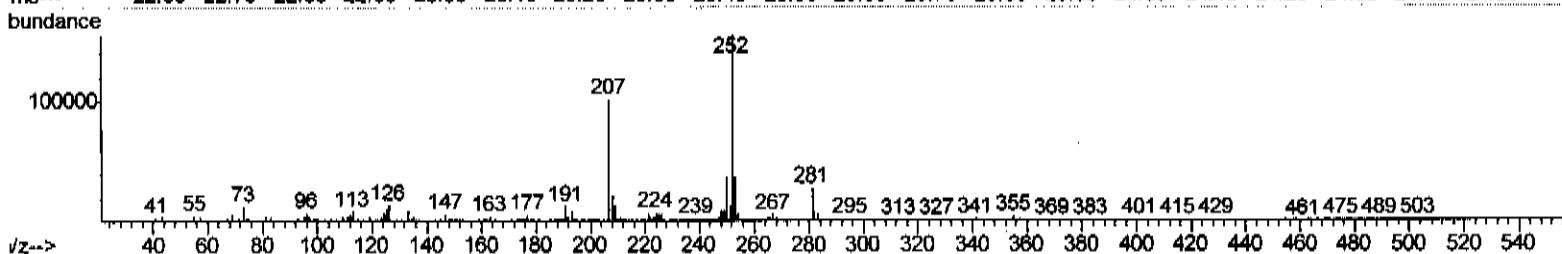
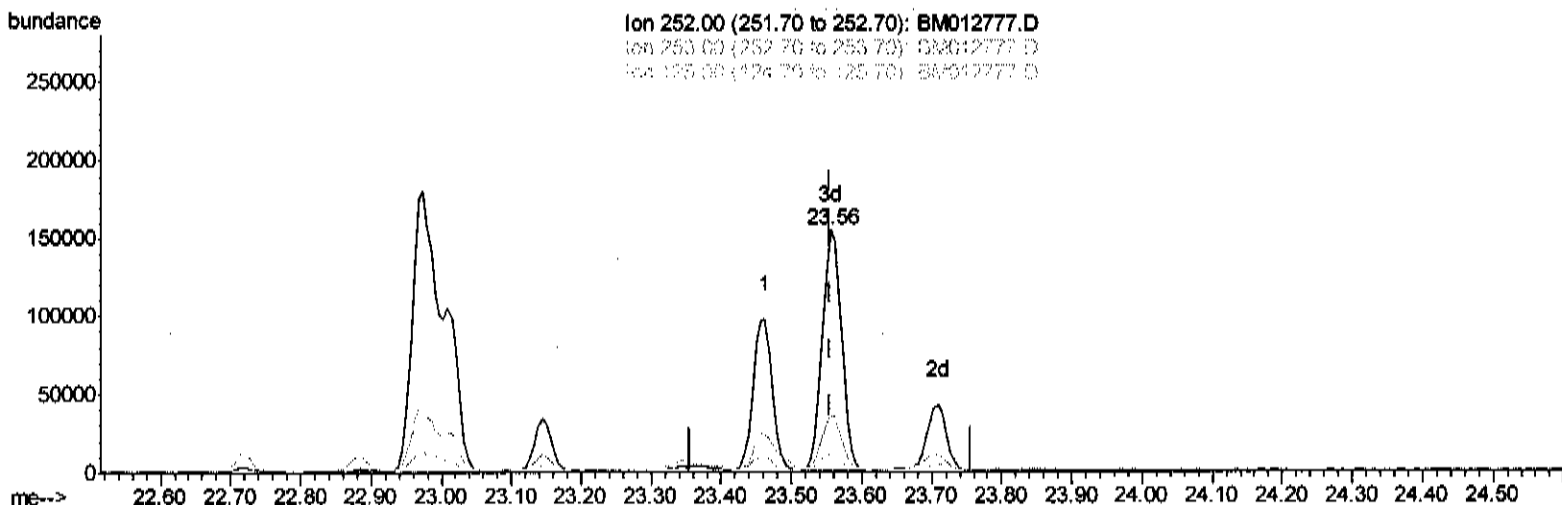
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 05:35:25 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



(90) Benzo(a)pyrene (C)

23.556min (-0.000) 7.66ng/ul m

response 294000

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.28
125.00	11.30	7.20#
0.00	0.00	0.00

Handwritten signature

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:35:15 PM

Quant Time: Nov 07 05:37:27 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	86290	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	377779	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	262990	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	648821m	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	732745	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	660318	20.00	ng/ul	0.00

Jul 11/7/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/ul	0.00
5) Phenol-d5	6.99	99	5713	0.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	3208	0.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	4756	0.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	5136	0.93	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	2497	0.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	2773	0.87	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	5497	0.84	ng/ul	0.02
29) 4-Chloroaniline-d4	10.76	131	2971	0.47	ng/ul	0.02
43) Dimethylphthalate-d6	13.86	166	24132	1.11	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	27029	1.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	1236	0.35	ng/ul	0.03
57) Fluorene-d10	15.44	176	21565	1.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	1080	0.25	ng/ul	0.00
70) Anthracene-d10	17.29	188	35954	1.15	ng/ul	0.00
78) Pyrene-d10	19.59	212	38813	1.14	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	35994	1.15	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
49) Acenaphthene	14.51	153	43460	2.45	ng/ul	97
53) Dibenzofuran	14.84	168	38702	1.49	ng/ul	90
58) Fluorene	15.50	166	60138	2.79	ng/ul	98
69) Phenanthrene	17.24	178	778458m	21.95	ng/ul	99
71) Anthracene	17.33	178	190966	5.19	ng/ul	99
74) Carbazole	17.60	167	64290	2.10	ng/ul	99
75) Di-n-butylphthalate	18.16	149	150729	4.19	ng/ul	99
76) Fluoranthene	19.25	202	1071996	25.16	ng/ul#	94
79) Pyrene	19.62	202	846762	19.37	ng/ul#	91
82) Benzo(a)anthracene	21.36	228	406741	9.17	ng/ul	100
84) Chrysene	21.41	228	358247	8.92	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	435594	10.79	ng/ul#	96
88) Benzo(k)fluoranthene	23.01	252	126601m	3.30	ng/ul	96
90) Benzo(a)pyrene	23.56	252	294000m	7.66	ng/ul	83
91) Indeno(1,2,3-cd)pyrene	25.97	276	155306	3.36	ng/ul#	86
92) Dibenzo(a,h)anthracene	25.97	278	40428	1.03	ng/ul#	87
93) Benzo(a,h,i)perylene	26.68	276	134158	3.52	ng/ul#	87

Jul 11/7/17

Jul 11/7/17

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