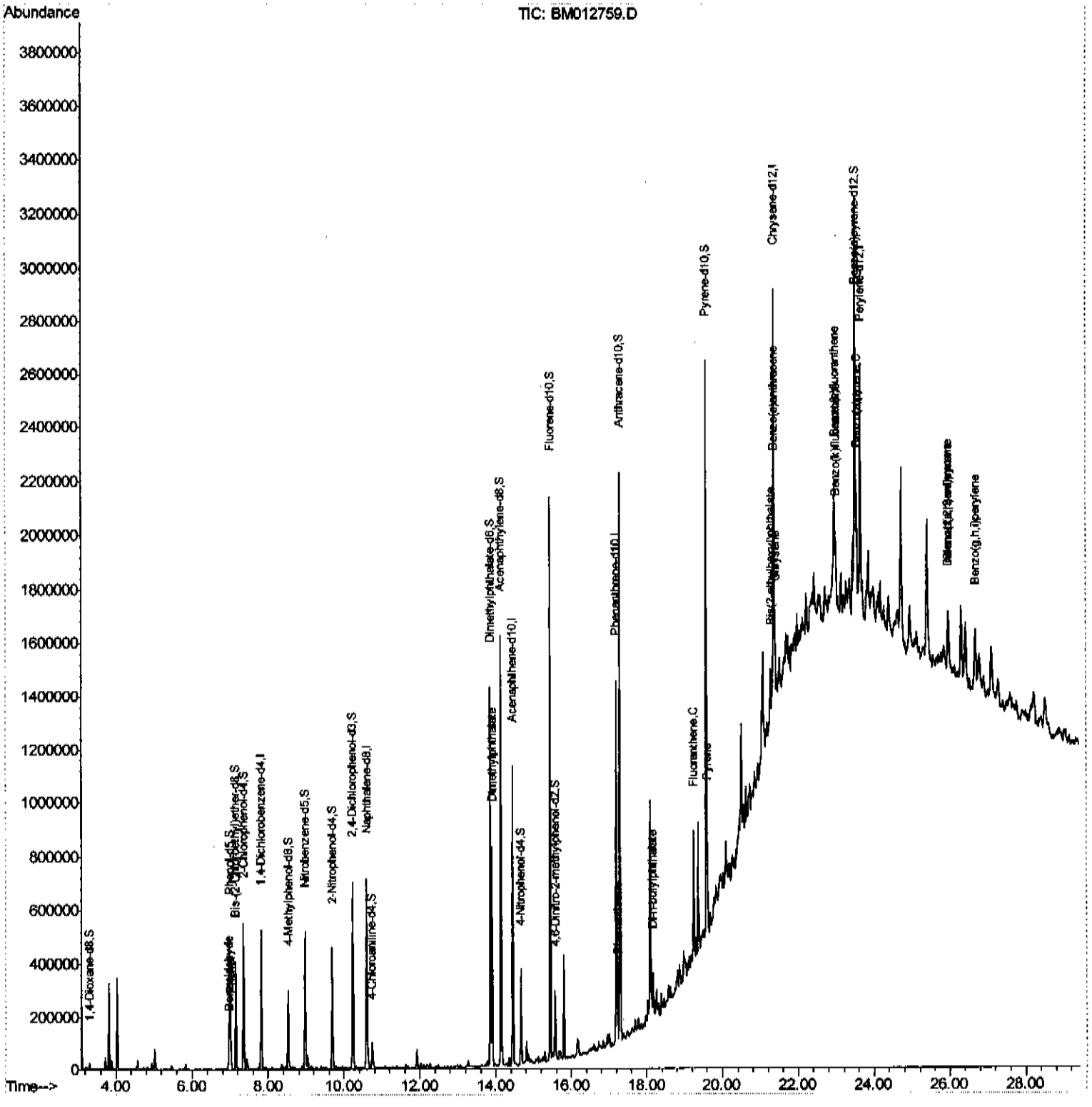
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012759.D
Acq On : 06 Nov 2017 03:24
Operator : SJ/JU
Sample : I5825-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 06 07:36:01 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-64(2.5-4.5)-101117

Manual Integrations APPROVED
Sohil
11/6/2017 4:28:55 PM

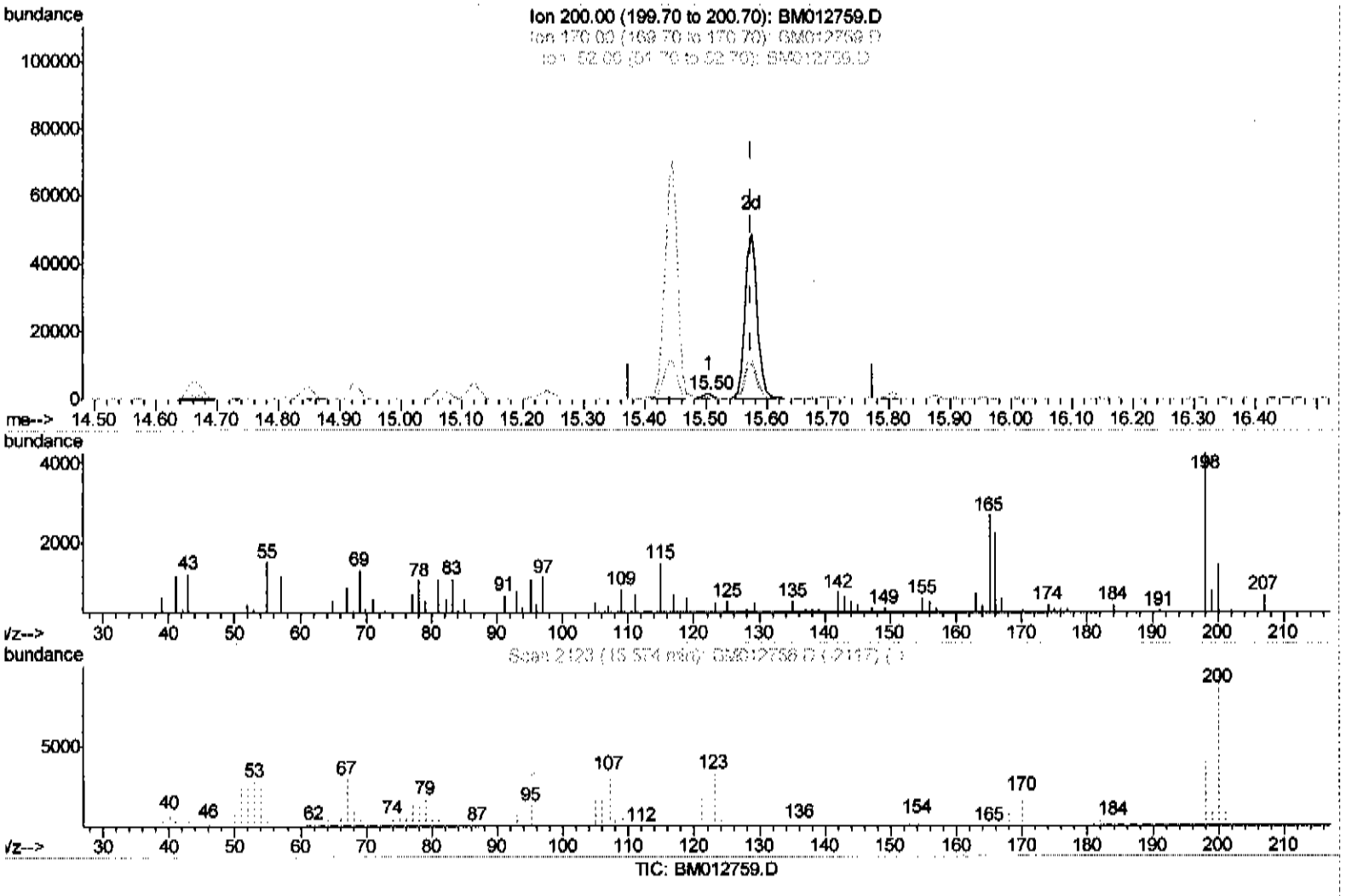


Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012759.D
Acq On : 06 Nov 2017 03:24
Operator : SJ/JU
Sample : I5825-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 06 07:23:33 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-64(2.5-4.5)-101117

Manual Integrations APPROVED
Sohil
11/6/2017 4:28:55 PM



TIC: BM012759.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.504min (-0.070) 0.36ng/ul

response 1919

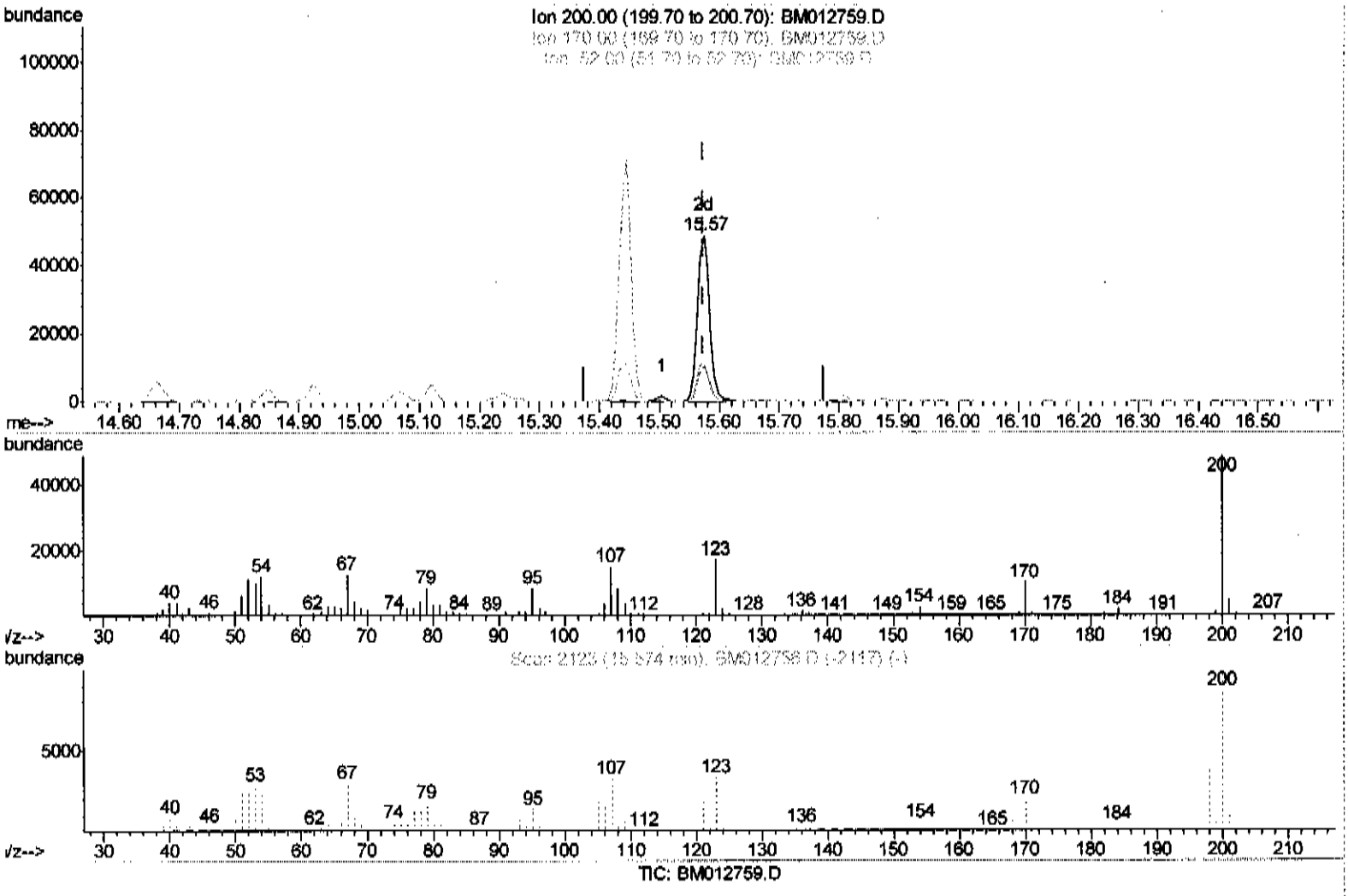
Ion	Exp%	Act%
200.00	100	100
170.00	22.40	24.78
52.00	33.60	32.70
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012759.D
Acq On : 06 Nov 2017 03:24
Operator : SJ/JU
Sample : I5825-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 06 07:23:33 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-64(2.5-4.5)-101117

Manual Integrations APPROVED
Sohil
11/6/2017 4:28:55 PM



(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.574min (+0.000) 12.87ng/ul m JJ 11/7/17

response 68042

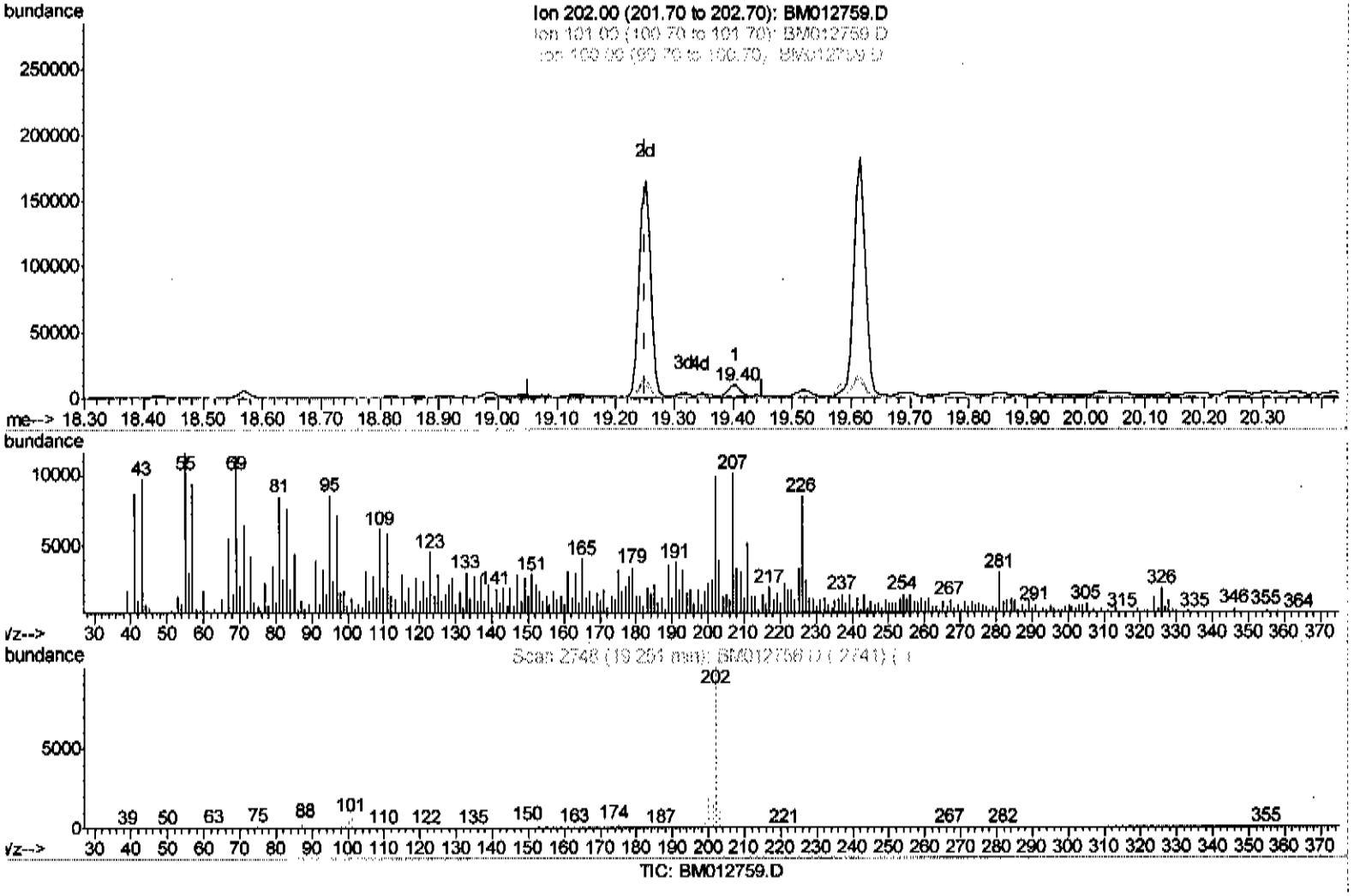
Ion	Exp%	Act%
200.00	100	100
170.00	22.40	21.03
52.00	33.60	22.87#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012759.D
Acq On : 06 Nov 2017 03:24
Operator : SJ/JU
Sample : I5825-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 06 07:34:57 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-64(2.5-4.5)-101117

Manual Integrations APPROVED
Sohil
11/6/2017 4:28:55 PM



TIC: BM012759.D

(76) Fluoranthene (C)

19.404min (+0.153) 0.21ng/ul

response 11197

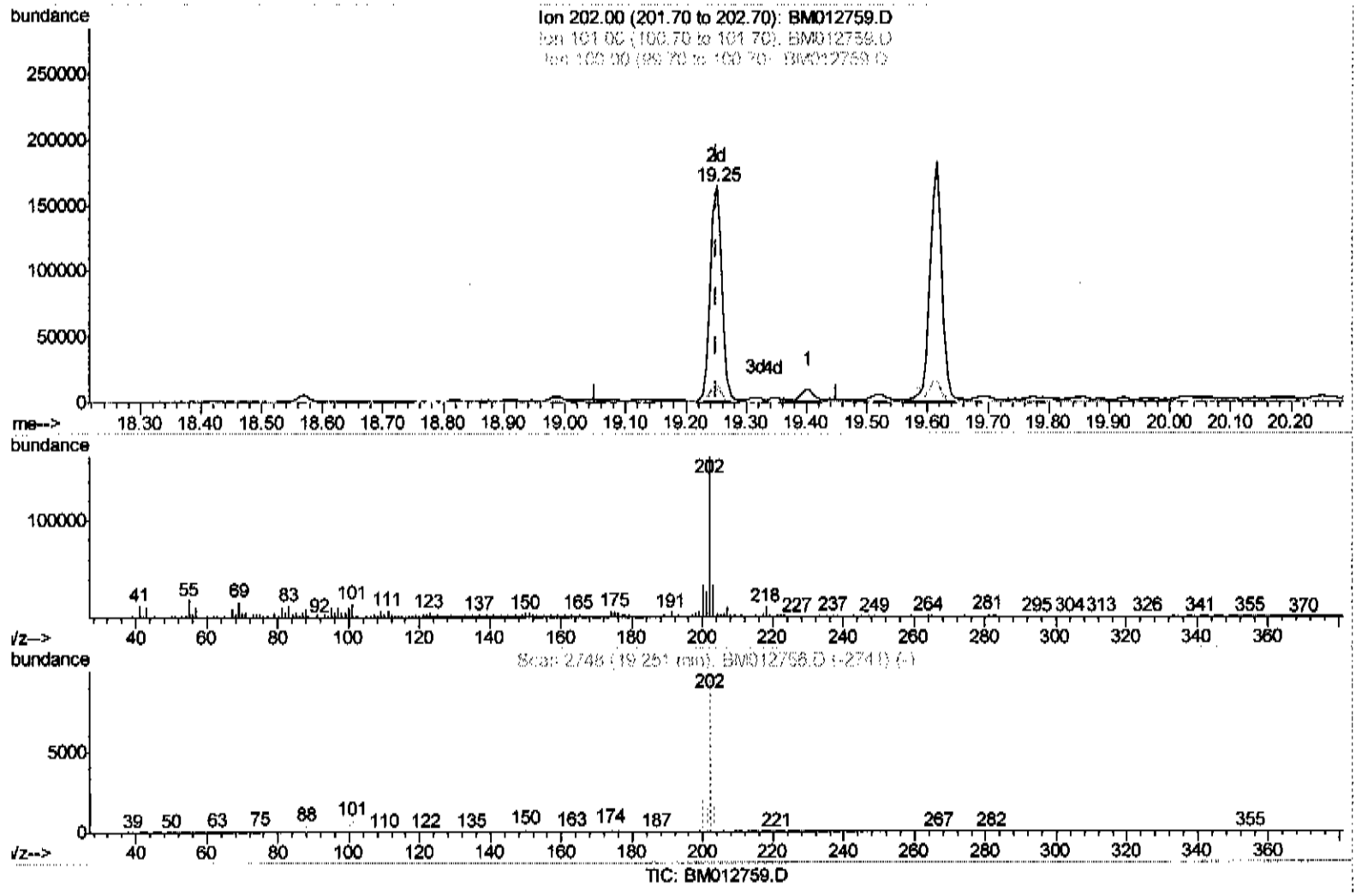
Ion	Exp%	Act%
202.00	100	100
101.00	11.00	13.20
100.00	8.20	8.24
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012759.D
Acq On : 06 Nov 2017 03:24
Operator : SJ/JU
Sample : I5825-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 06 07:34:57 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-64(2.5-4.5)-101117

Manual Integrations APPROVED
Sohil
11/6/2017 4:28:55 PM



TIC: BM012759.D

(76) Fluoranthene (C)

19.251min (+0.000) 4.17ng/ul m

response 219496

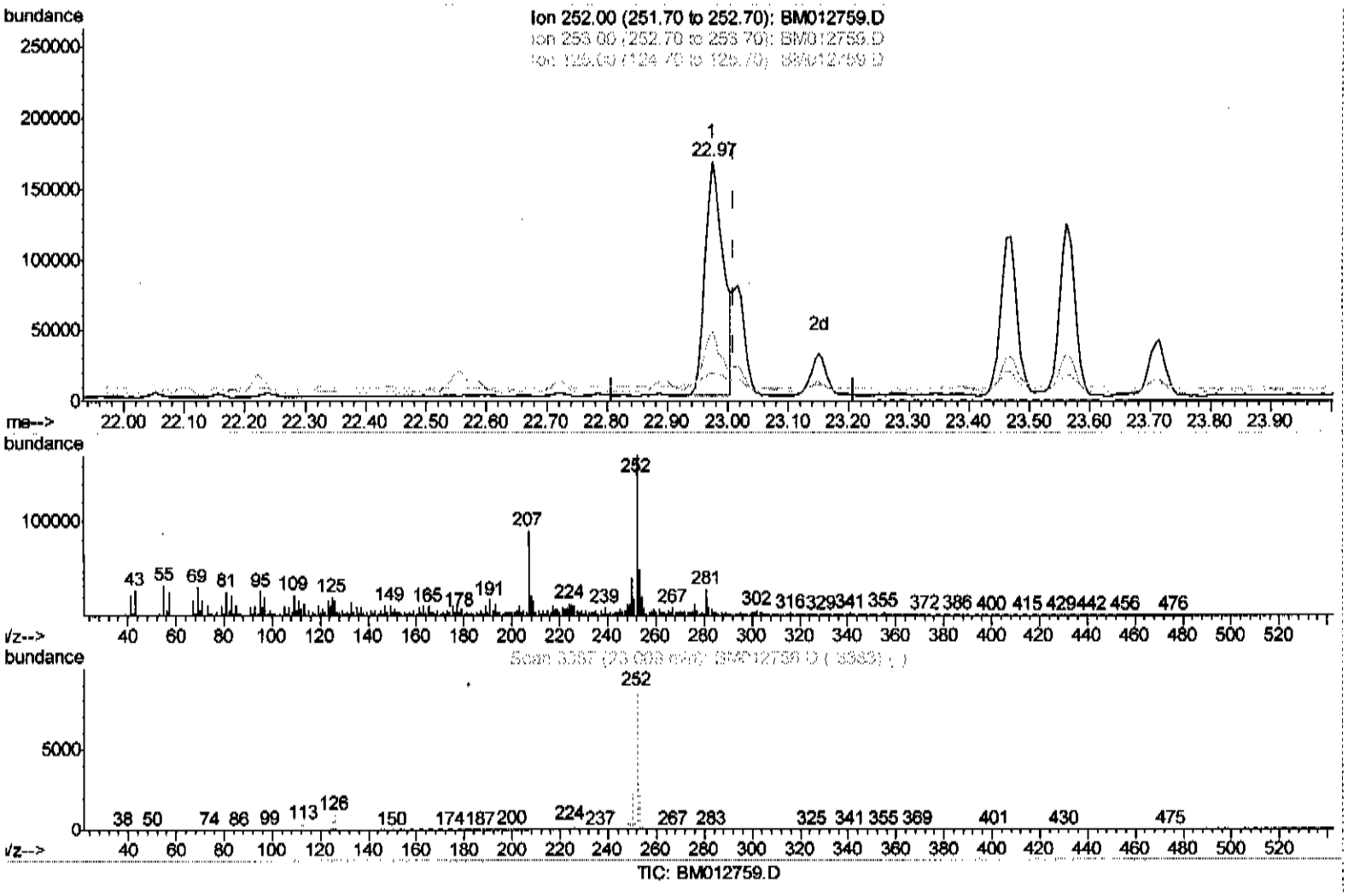
Ion	Exp%	Act%
202.00	100	100
101.00	11.00	8.67#
100.00	8.20	6.06#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012759.D
Acq On : 06 Nov 2017 03:24
Operator : SJ/JU
Sample : I5825-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 06 07:34:57 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-64(2.5-4.5)-101117

Manual Integrations APPROVED
Sohil
11/6/2017 4:28:55 PM



TIC: BM012759.D

(88) Benzo(k)fluoranthene

22.974min (-0.035) 8.52ng/ul

response 350626

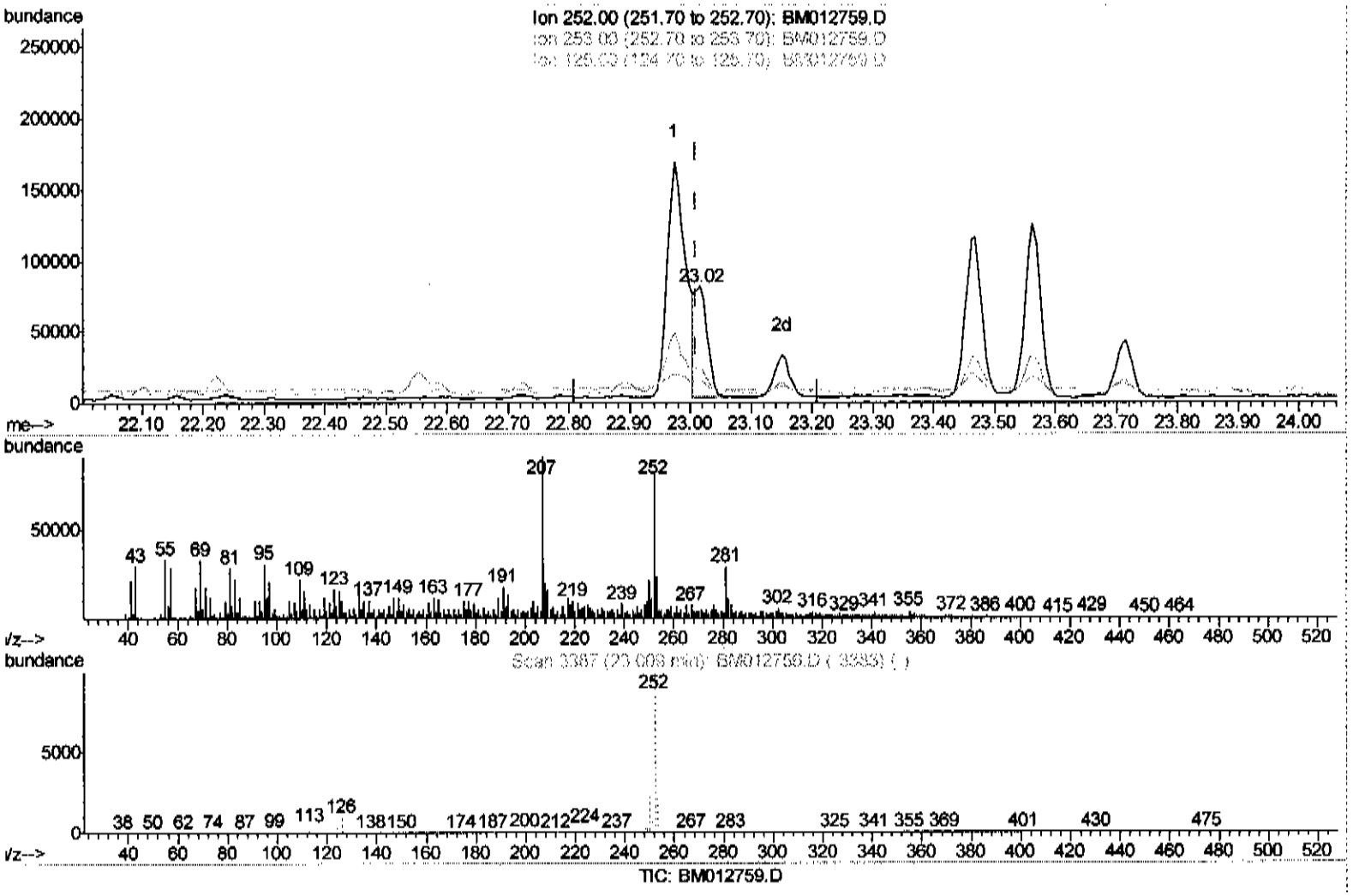
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	29.21#
125.00	10.20	12.02
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012759.D
Acq On : 06 Nov 2017 03:24
Operator : SJ/JU
Sample : I5825-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 06 07:34:57 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-64(2.5-4.5)-101117

Manual Integrations APPROVED
Sohil
11/6/2017 4:28:55 PM



(88) Benzo(k)fluoranthene

23.015min (+0.006) 2.61ng/ul m

response 107258

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	29.60#
125.00	10.20	19.25#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012759.D
Acq On : 06 Nov 2017 03:24
Operator : SJ/JU
Sample : I5825-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-64(2.5-4.5)-101117

Manual Integrations APPROVED
Sohil
11/6/2017 4:28:55 PM

Quant Time: Nov 06 07:36:01 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	143694	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	608316	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	381998	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	800557	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	644590	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	708100	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	12200	4.59	ng/uL	0.00
5) Phenol-d5	6.99	99	286246	26.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	165363	28.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	252670	28.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	116999	12.68	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	132048	29.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	155379	30.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	274747	26.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	67580	6.64	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	942174	29.81	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1150147	29.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	97829	19.31	ng/ul	0.00
57) Fluorene-d10	15.45	176	831481	30.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	68042m	12.87	ng/ul	0.00
70) Anthracene-d10	17.29	188	1180715	30.53	ng/ul	0.00
78) Pyrene-d10	19.59	212	1063396	35.55	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1029477	30.75	ng/ul	0.01
Target Compounds						Qvalue
4) Benzaldehyde	6.96	77	7018	1.23	ng/ul#	84
6) Phenol	7.02	94	48939	4.46	ng/ul	95
44) Dimethylphthalate	13.90	163	509851	16.25	ng/ul	100
69) Phenanthrene	17.23	178	99022	2.26	ng/ul	98
75) Di-n-butylphthalate	18.16	149	115117	2.60	ng/ul	99
76) Fluoranthene	19.25	202	219496m	4.17	ng/ul	
79) Pyrene	19.62	202	246107	6.40	ng/ul#	91
82) Benzo(a)anthracene	21.36	228	141573	3.63	ng/ul#	92
83) Bis(2-ethylhexyl)phthalate	21.29	149	54685	2.68	ng/ul#	87
84) Chrysene	21.41	228	196433	5.56	ng/ul#	93
87) Benzo(b)fluoranthene	22.97	252	350626	8.10	ng/ul#	88
88) Benzo(k)fluoranthene	23.02	252	107258m	2.61	ng/ul	
90) Benzo(a)pyrene	23.56	252	219443	5.33	ng/ul#	90
91) Indeno(1,2,3-cd)pyrene	25.98	276	249388	5.03	ng/ul#	87
92) Dibenzo(a,h)anthracene	25.99	278	64242	1.53	ng/ul#	69
93) Benzo(g,h,i)perylene	26.70	276	261389	6.39	ng/ul#	90

JU 11/7/17

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