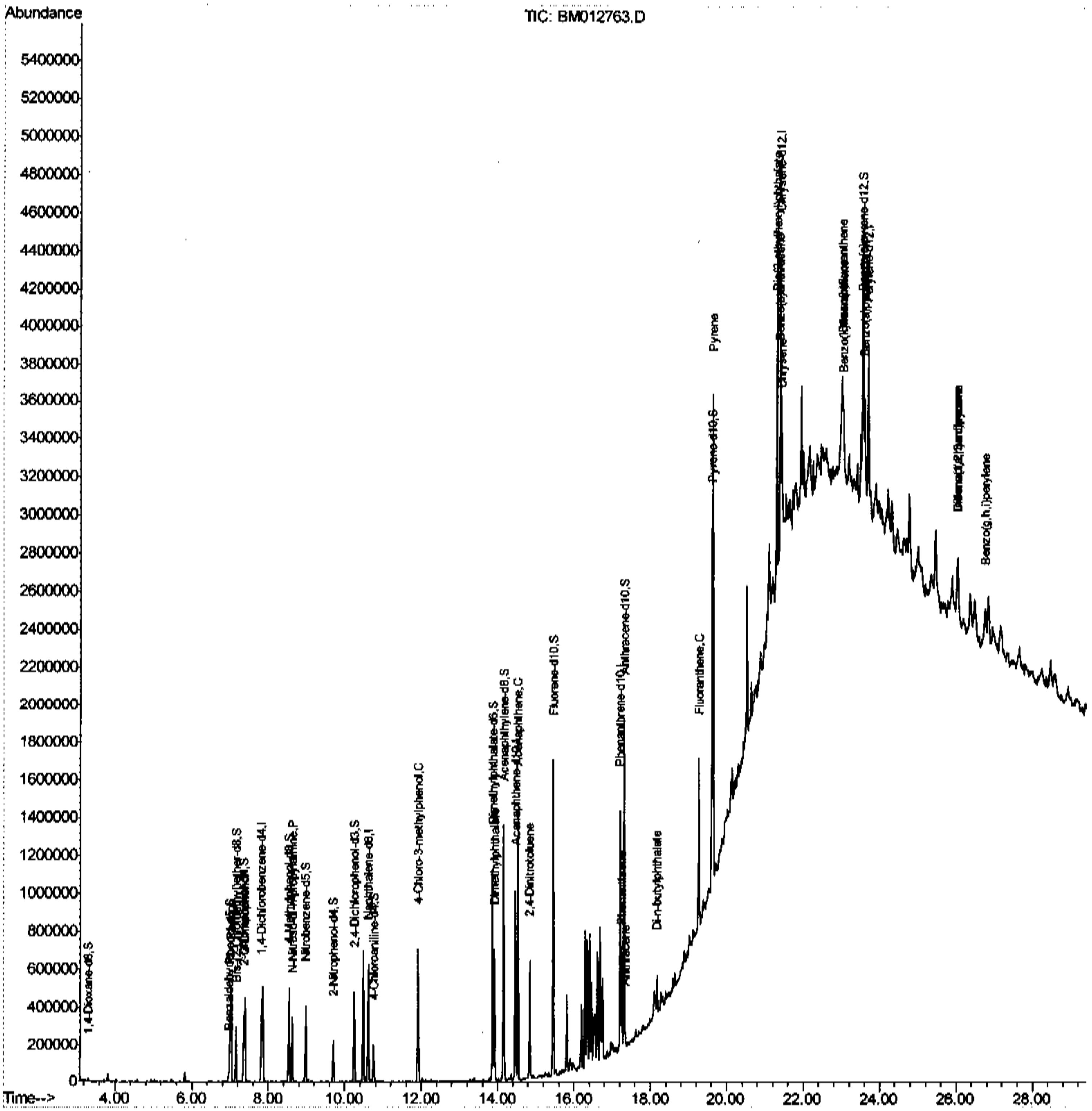
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012763.D
Acq On : 06 Nov 2017 05:47
Operator : SJ/JU
Sample : I5825-15MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 07:53:24 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-19(0-1)-101117MSD

Manual Integrations APPROVED
Sohil
11/6/2017 4:29:05 PM



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Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
Data File : BM012763.D
Acq On    : 06 Nov 2017   05:47
Operator  : SJ/JU
Sample    : I5825-15MSD
Misc      :
ALS Vial  : 23   Sample Multiplier: 1

Quant Time: Nov 06 07:24:46 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
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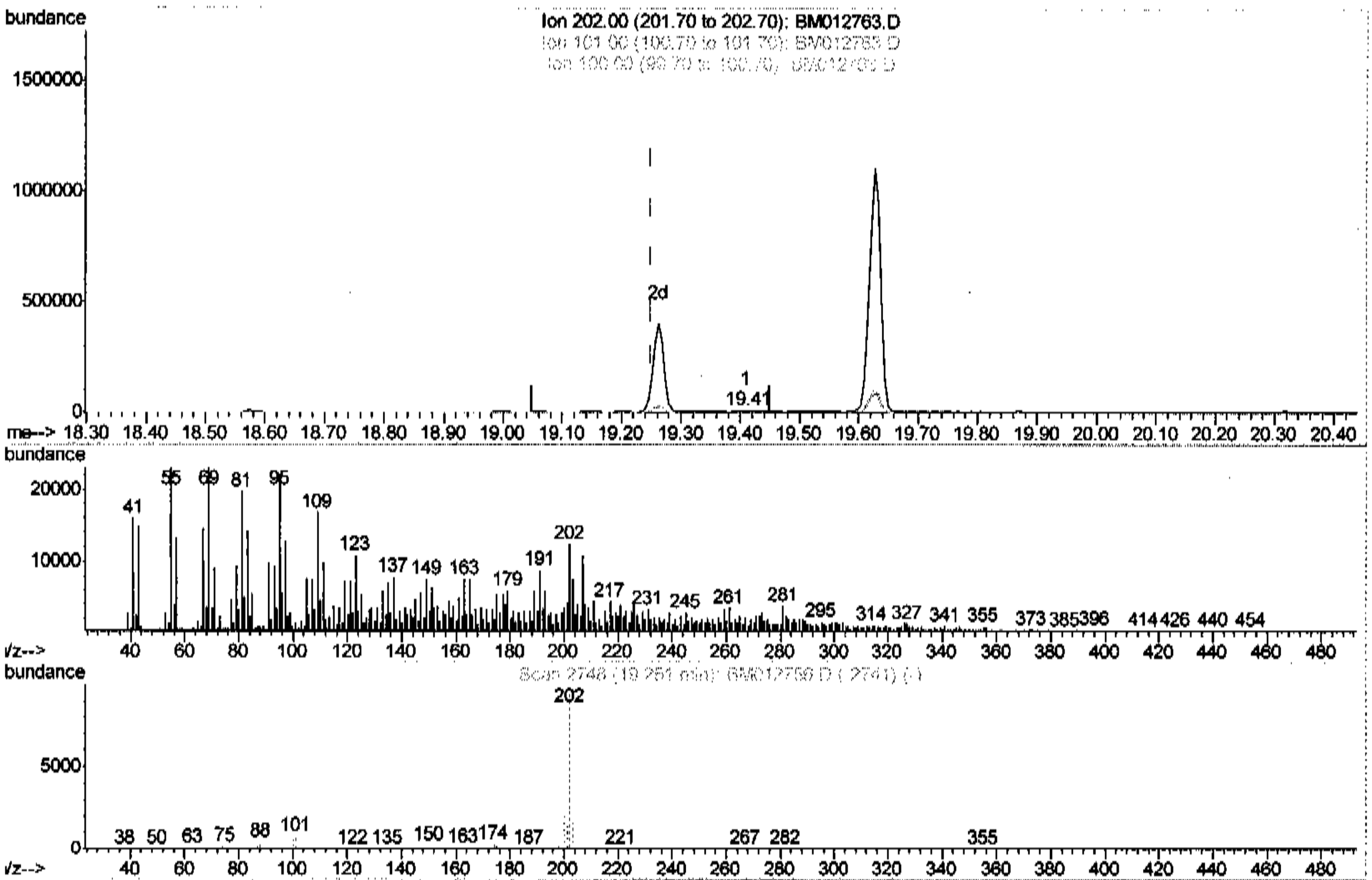
Instrument :
BNA_M
ClientSampleId :
B-19(0-1)-101117MSD

Manual Integrations APPROVED

Sohil
11/6/2017 4:29:05 PM



TIC: BM012763.D

(76) Fluoranthene (C)

19.410min (+0.159) 0.27ng/ul

response 12616

Ion	Exp%	Act%
202.00	100	100
101.00	11.00	11.88
100.00	8.20	7.22
0.00	0.00	0.00

```
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Instrument :
BNA_M
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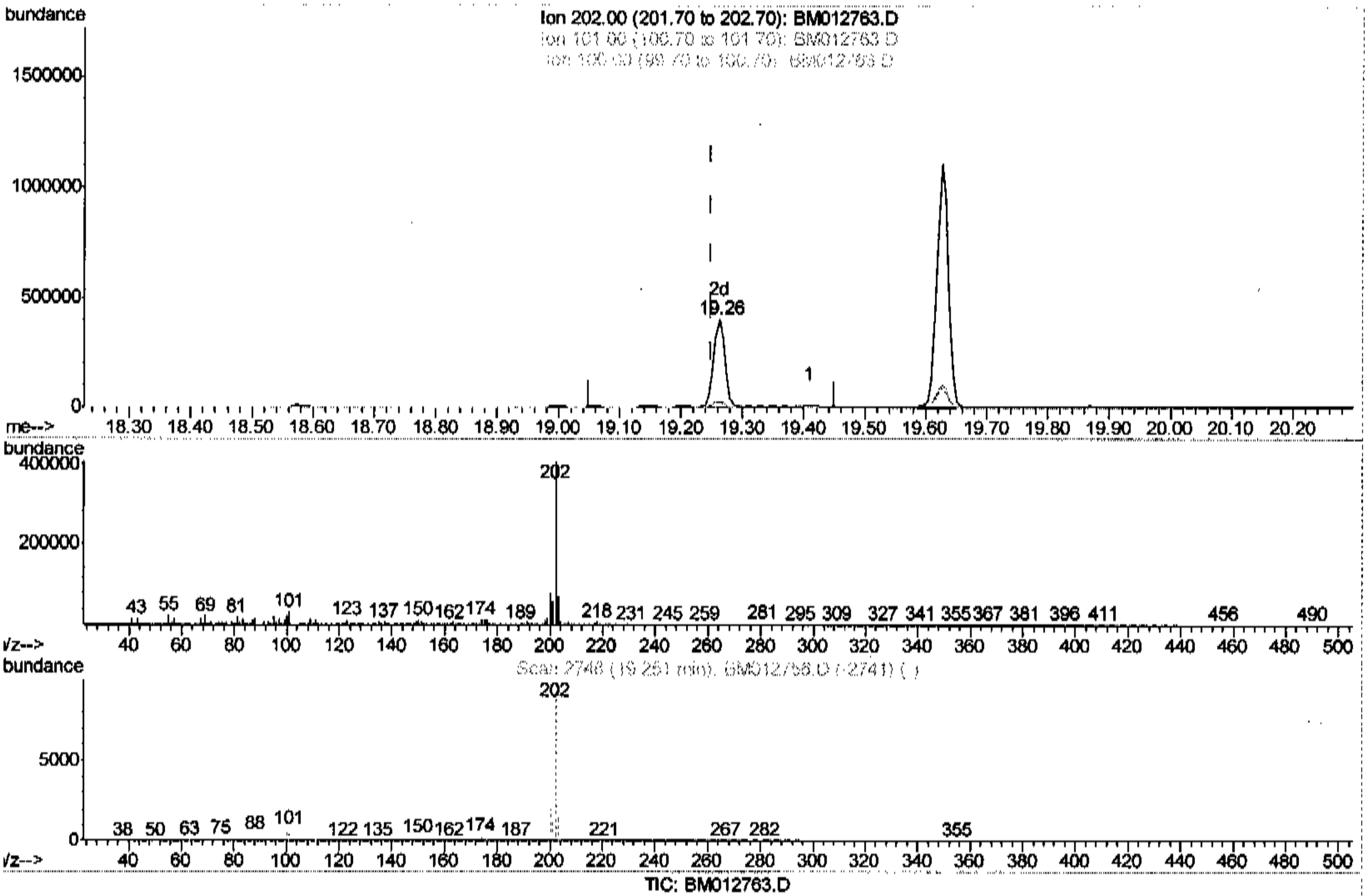
B-19(0-1)-101117MSD

Manual Integrations APPROVED
Sohil
11/6/2017 4:29:05 PM



(76) Fluoranthene (C)

19.262min (+0.012) 10.78ng/ul m JU 11/7/17

response 513000

Ion	Exp%	Act%
202.00	100	100
101.00	11.00	7.70#
100.00	8.20	5.83#
0.00	0.00	0.00

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Operator : SJ/JU
Sample : I5825-15MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-19(0-1)-101117MSD

Manual Integrations APPROVED
Sohil
11/6/2017 4:29:05 PM

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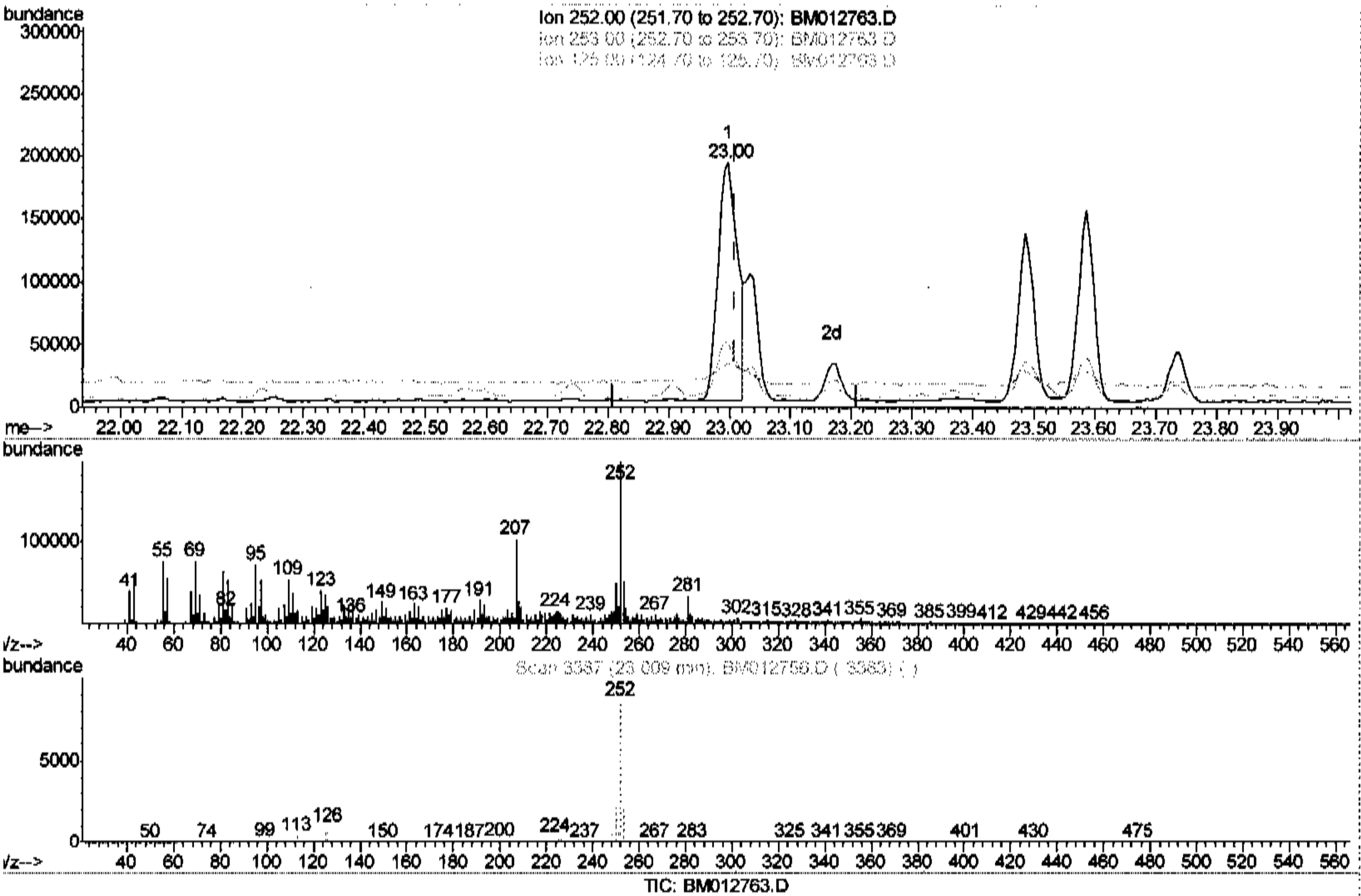

(88) Benzo(k)fluoranthene

22.997min (-0.012) 10.63ng/ul

response 429162

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	26.48#
125.00	10.20	18.00#
0.00	0.00	0.00

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Manual Integrations APPROVED
Sohil
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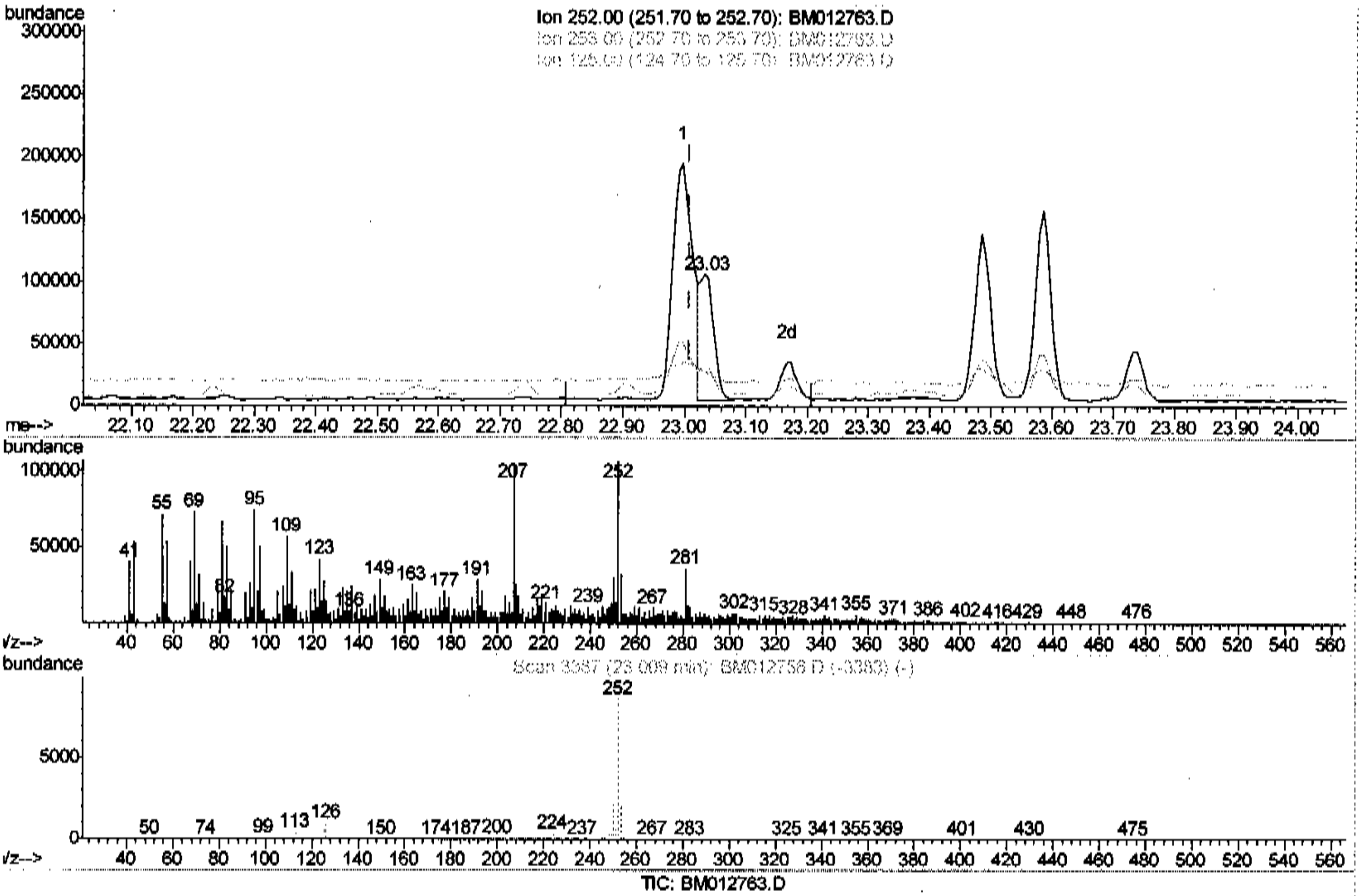

(88) Benzo(k)fluoranthene

23.033min (+0.024) 3.85ng/ul m JY 11/7/17

response 155339

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	30.15#
125.00	10.20	26.02#
0.00	0.00	0.00

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ClientSampleId : B-19(0-1)-101117MSD

Manual Integrations APPROVED
Sohil
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	120500	20.00 ng/ul	0.00
18) Naphthalene-d8	10.61	136	514714	20.00 ng/ul	0.01
35) Acenaphthene-d10	14.46	164	336425	20.00 ng/ul	0.01
61) Phenanthrene-d10	17.20	188	724236	20.00 ng/ul	0.01
77) Chrysene-d12	21.39	240	635576	20.00 ng/ul	0.01
85) Perylene-d12	23.69	264	695097	20.00 ng/ul	0.03
System Monitoring Compounds					
3) 1,4-Dioxane-d8	3.30	96	9546	4.28 ng/uL	0.00
5) Phenol-d5	7.00	99	223545	24.93 ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	120077	24.71 ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	178715	23.93 ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	193021	24.94 ng/ul	0.01
19) Nitrobenzene-d5	8.97	128	102480	26.95 ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	77871	17.90 ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	188762	21.16 ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	118158	13.73 ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	746061	26.80 ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	965175	28.03 ng/ul	0.01
51) 4-Nitrophenol-d4	14.69	143	2430	0.54 ng/ul	0.03
57) Fluorene-d10	15.45	176	679864	28.51 ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00 ng/ul	
70) Anthracene-d10	17.30	188	978308	27.96 ng/ul	0.01
78) Pyrene-d10	19.60	212	883271	29.95 ng/ul	0.02
89) Benzo(a)pyrene-d12	23.54	264	920073	27.99 ng/ul	0.03
Target Compounds					Qvalue
4) Benzaldehyde	6.96	77	11079	2.32 ng/ul	92
6) Phenol	7.02	94	288858	31.38 ng/ul	96
10) 2-Chlorophenol	7.39	128	196087	25.49 ng/ul	97
15) N-Nitroso-di-n-propylamine	8.62	70	134736	24.07 ng/ul	97
33) 4-Chloro-3-methylphenol	11.90	107	250821	29.67 ng/ul	98
44) Dimethylphthalate	13.91	163	427255	15.47 ng/ul	99
49) Acenaphthene	14.52	153	583437	25.66 ng/ul	97
54) 2,4-Dinitrotoluene	14.83	165	189168	23.26 ng/ul	97
69) Phenanthrene	17.24	178	250030	6.32 ng/ul	98
71) Anthracene	17.34	178	57343	1.40 ng/ul	94
75) Di-n-butylphthalate	18.16	149	154853	3.86 ng/ul	98
76) Fluoranthene	19.26	202	513000m >	10.78 ng/ul	> JU 11/7/17
79) Pyrene	19.63	202	1458077	38.45 ng/ul#	93
82) Benzo(a)anthracene	21.37	228	237396	6.17 ng/ul#	92
83) Bis(2-ethylhexyl)phthalate	21.29	149	702164	34.85 ng/ul#	94
84) Chrysene	21.42	228	263065	7.55 ng/ul#	92
87) Benzo(b)fluoranthene	23.00	252	429162	10.10 ng/ul#	87
88) Benzo(k)fluoranthene	23.03	252	155339m >	3.85 ng/ul	> JU 11/7/17
90) Benzo(a)pyrene	23.59	252	274804	6.80 ng/ul#	86
91) Indeno(1,2,3-cd)pyrene	26.02	276	254634	5.23 ng/ul#	86
92) Dibenzo(a,h)anthracene	26.02	278	62603	1.52 ng/ul#	44
93) Benzo(g,h,i)perylene	26.74	276	239279	5.96 ng/ul#	89

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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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