Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 09 04:51:57 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Manual Integrations APPROVED
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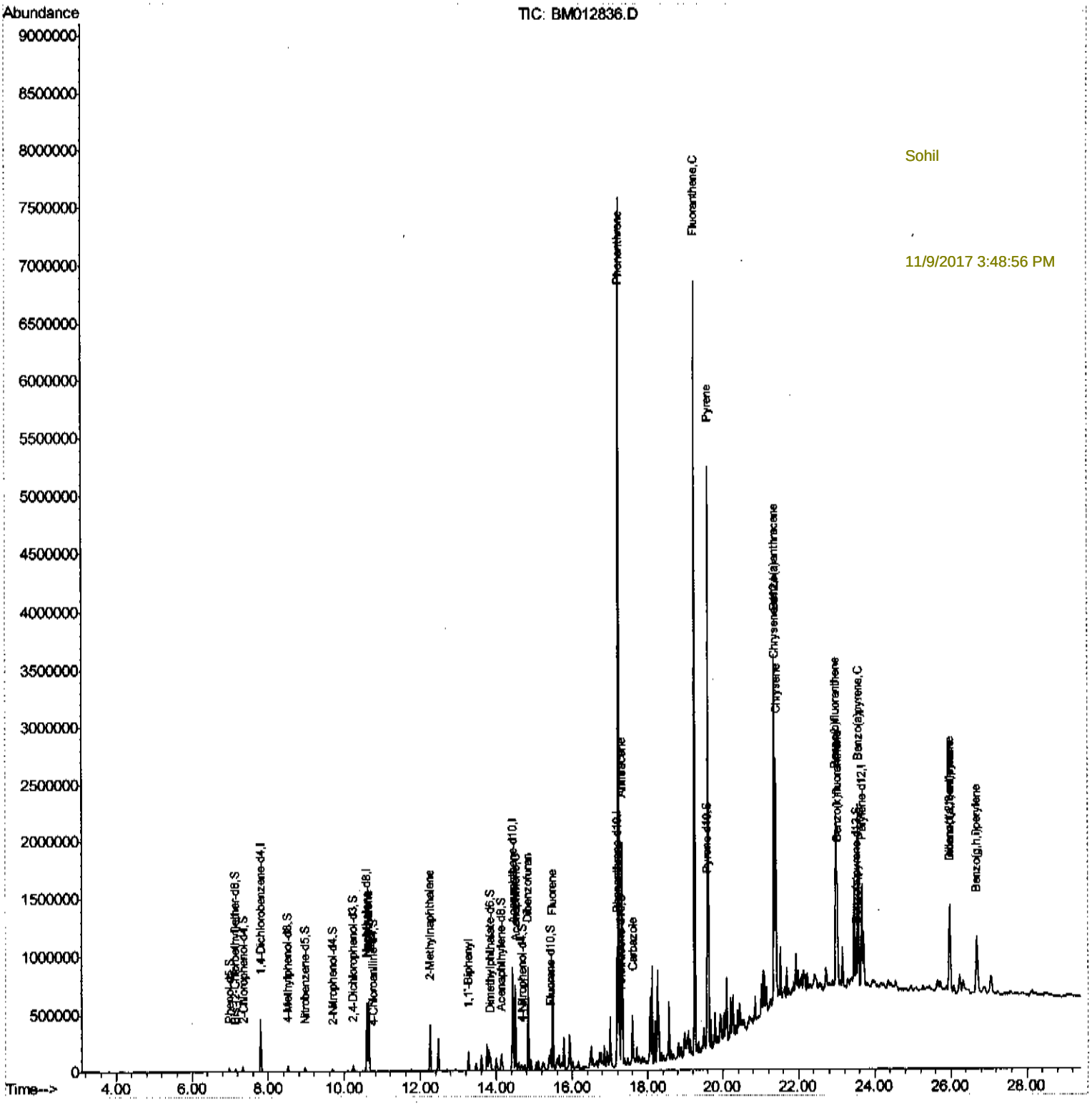

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
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Quant Time: Nov 09 04:00:33 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
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Manual Integrations APPROVED
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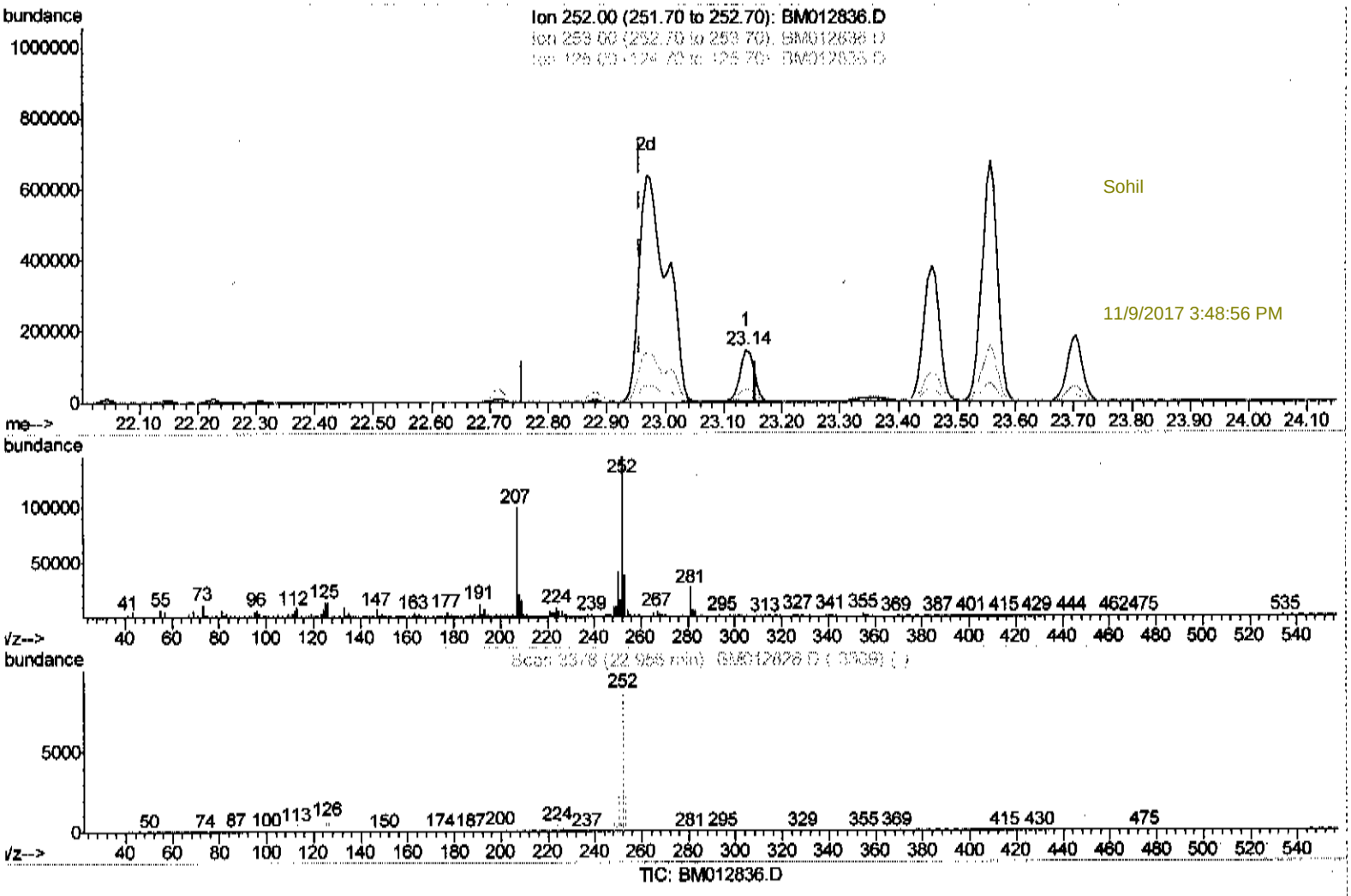

(87) Benzo(b)fluoranthene

23.138min (+0.182) 4.77ng/ul

response 206313

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	26.20
125.00	10.60	9.53
0.00	0.00	0.00

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Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 09 04:00:33 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
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BNA_M
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Manual Integrations APPROVED
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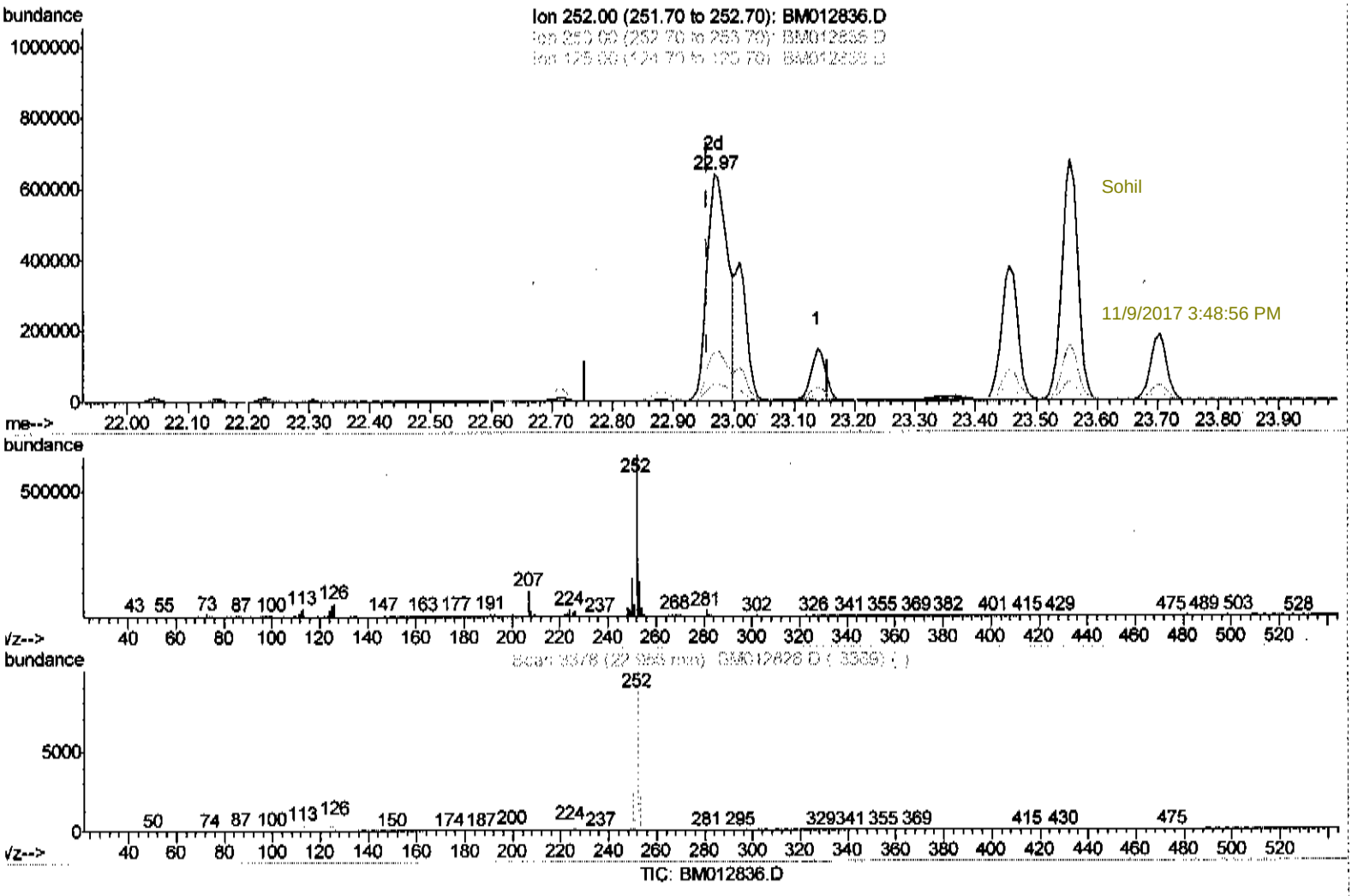

(87) Benzo(b)fluoranthene

22.968min (+0.012) 35.11ng/ul m SJ 11/13/17

response 1519518

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.20
125.00	10.60	7.39#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 09 04:00:33 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Manual Integrations APPROVED
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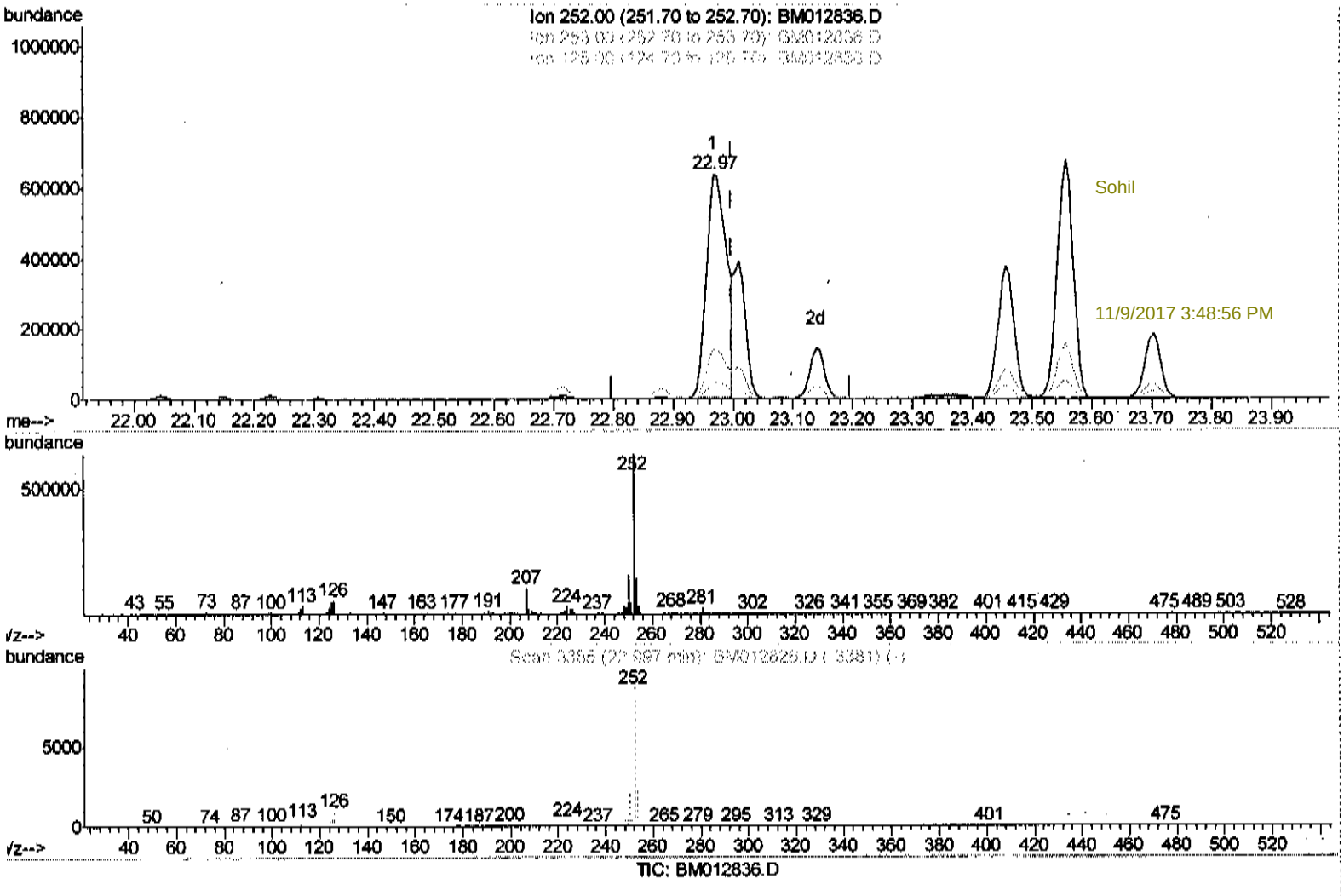

(88) Benzo(k)fluoranthene

22.968min (-0.030) 36.71ng/ul

response 1510110

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.20
125.00	10.20	7.39#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 09 04:00:33 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Manual Integrations APPROVED
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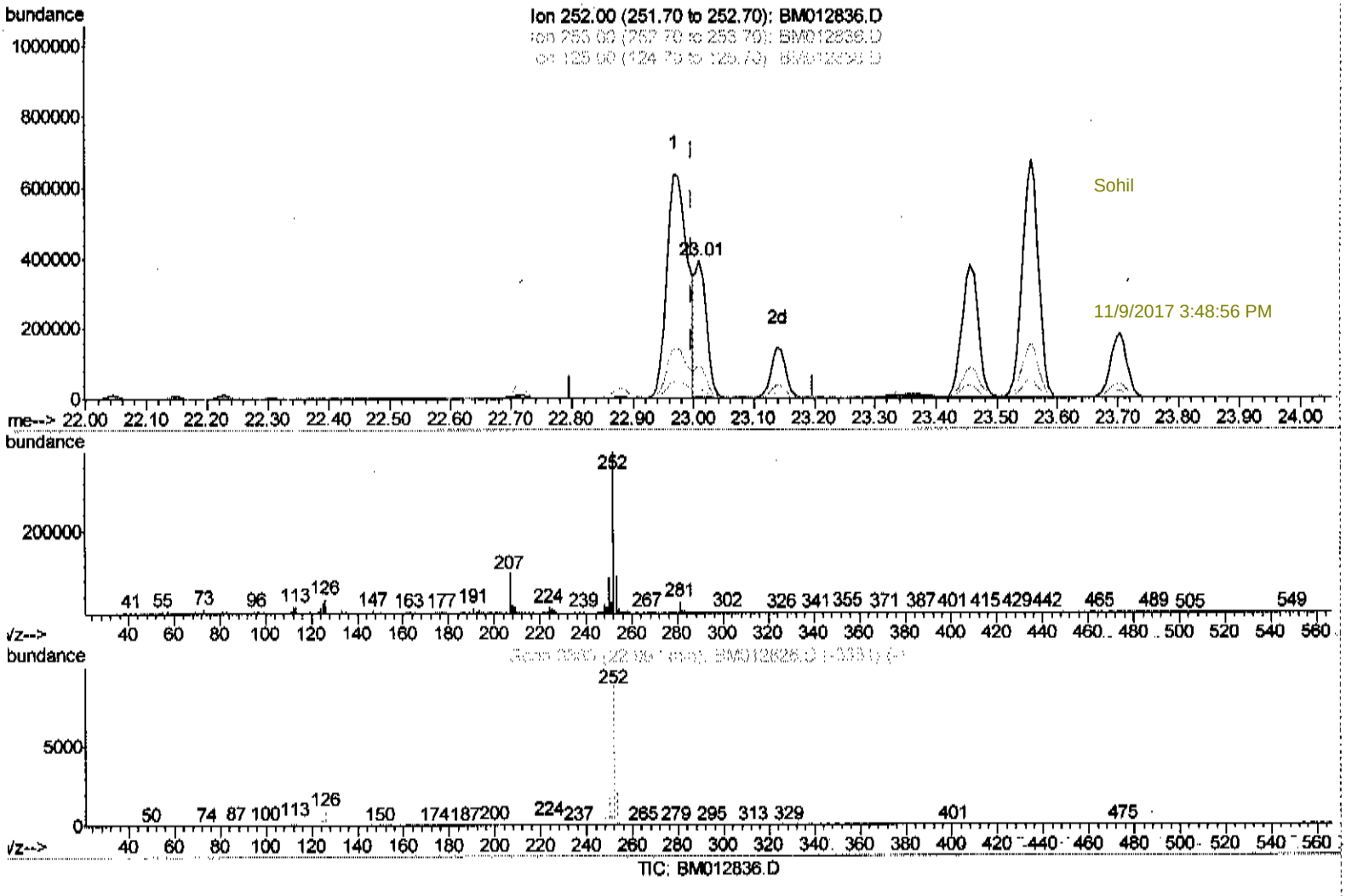

(88) Benzo(k)fluoranthene

23.009min (+0.012) 12.75ng/ul m SJ 11/13/17

response 524703

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.29
125.00	10.20	7.02#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 09 04:00:33 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
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Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Manual Integrations APPROVED
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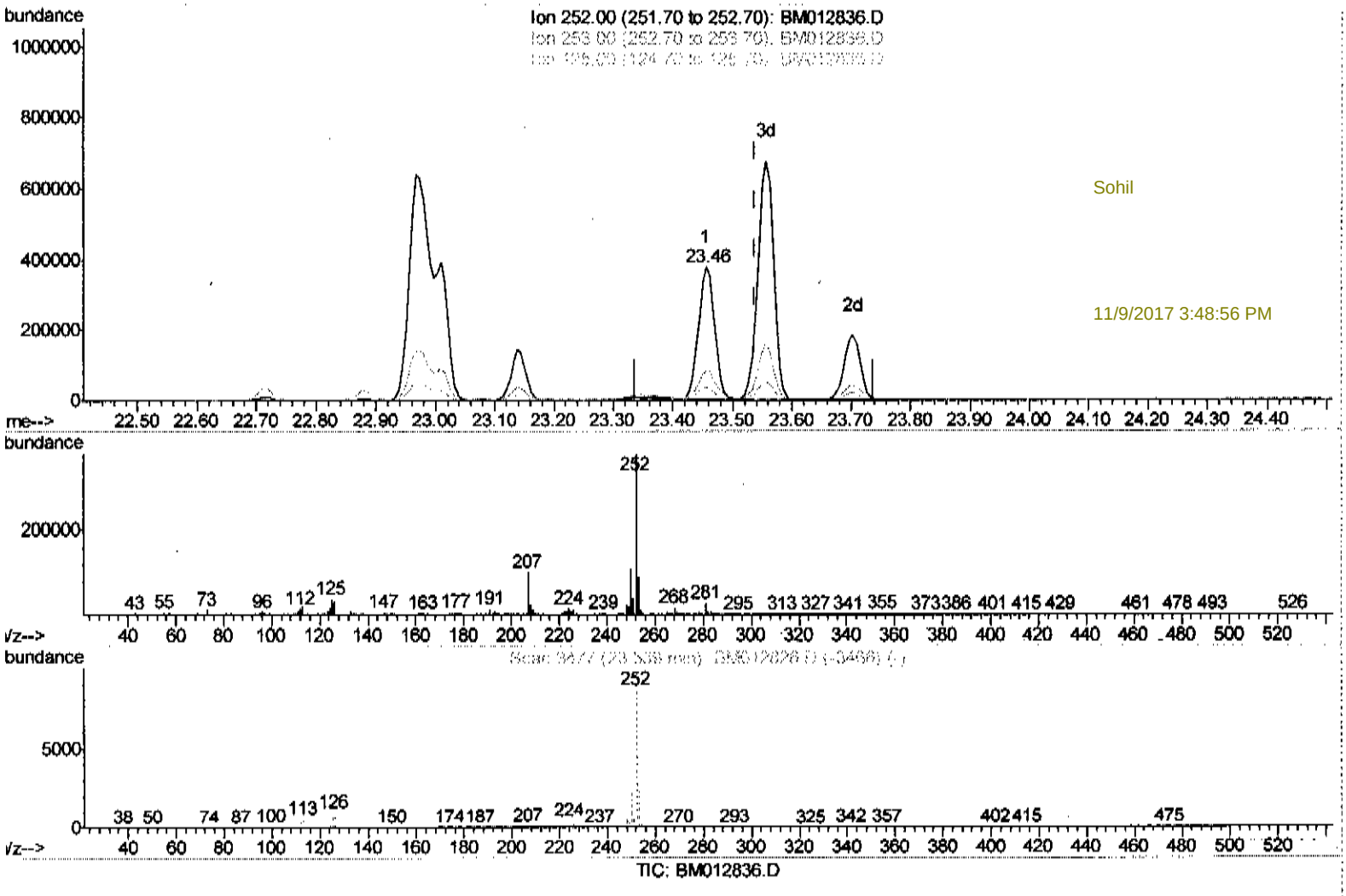

TIC: BM012836.D

(90) Benzo(a)pyrene (C)

23.456min (-0.082) 17.13ng/ul

response 705514

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.22
125.00	11.30	9.96
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 09 04:00:33 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
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Instrument :
BNA_M
ClientSampleId :
B-6(5-5.5)-101717

Manual Integrations APPROVED
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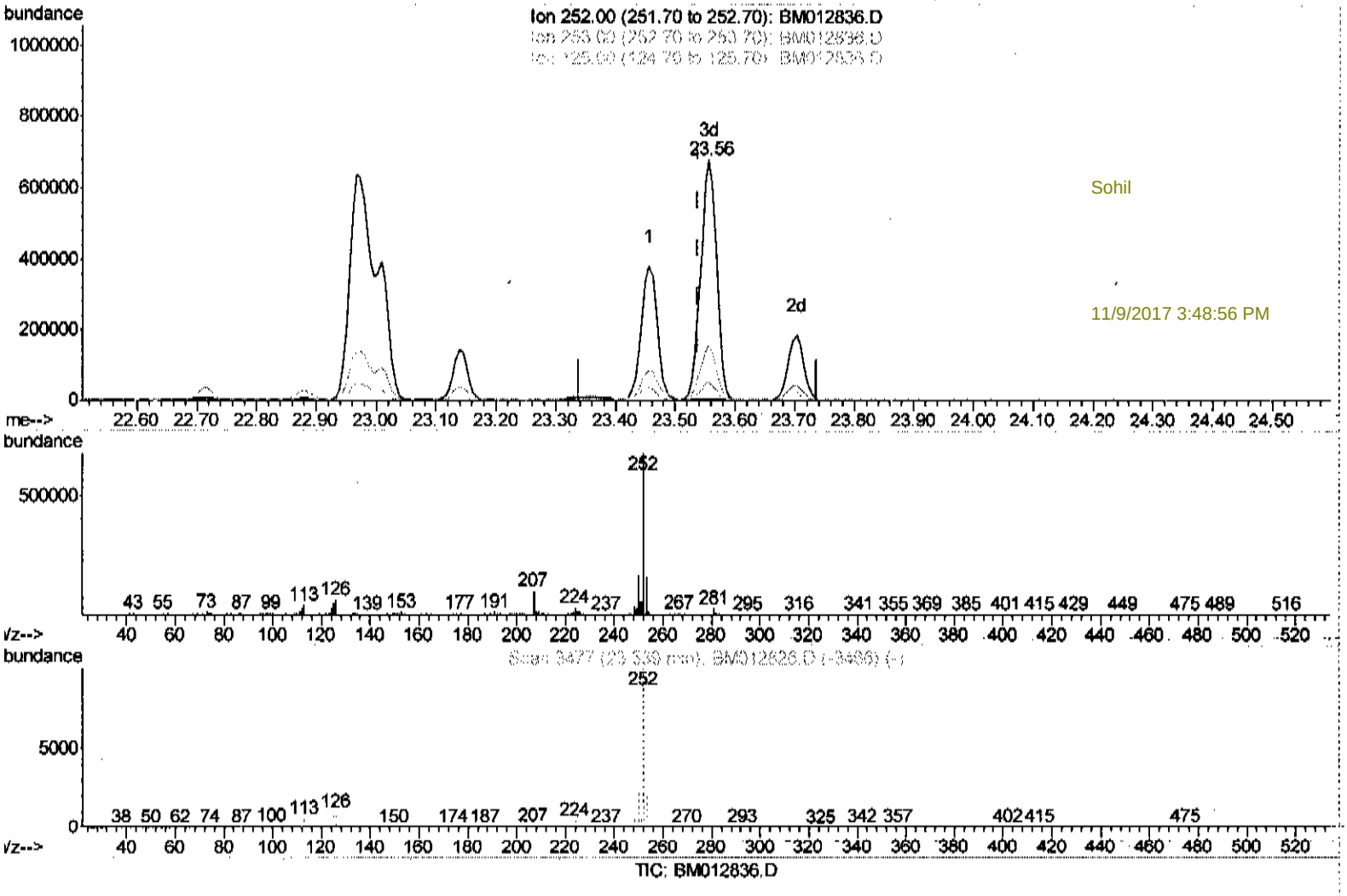

(90) Benzo(a)pyrene (C)

23.556min (+0.018) 30.33ng/ul m SJ 11/13/17

response 1248926

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.01
125.00	11.30	7.52#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012836.D
Acq On : 09 Nov 2017 00:06
Operator : SJ/JU
Sample : I5955-14 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 09 04:51:57 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
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B-6(5-5.5)-101717

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	135221	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	523350	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	289004	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	581707	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	608861	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	708234	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	1131	0.45	ng/uL	0.00
5) Phenol-d5	6.98	99	27069	2.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	15340	2.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	24797	2.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	24071	2.77	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	10800	2.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	11968	2.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	24594	2.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	11673	1.33	ng/ul	0.01
43) Dimethylphthalate-d6	13.84	166	80214	3.35	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	92886	3.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	7846	2.05	ng/ul	0.02
57) Fluorene-d10	15.43	176	68405	3.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	2413	0.63	ng/ul	0.02
70) Anthracene-d10	17.29	188	99785	3.55	ng/ul	0.00
78) Pyrene-d10	19.58	212	100964	3.57	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	120625	3.60	ng/ul	0.01
Target Compounds						Qvalue
28) Naphthalene	10.64	128	498063	19.04	ng/ul	99
34) 2-Methylnaphthalene	12.26	142	198834	9.94	ng/ul	100
40) 1,1'-Biphenyl	13.27	154	90477	3.78	ng/ul	98
49) Acenaphthene	14.50	153	302206	15.47	ng/ul	99
53) Dibenzofuran	14.84	168	537852	18.88	ng/ul	92
58) Fluorene	15.49	166	416616	17.60	ng/ul	99
69) Phenanthrene	17.24	178	4883533	153.59	ng/ul	99
71) Anthracene	17.32	178	1189483	36.08	ng/ul	99
74) Carbazole	17.59	167	262088	9.53	ng/ul	98
76) Fluoranthene	19.25	202	4035408	105.62	ng/ul#	94
79) Pyrene	19.62	202	3347103	92.14	ng/ul#	92
82) Benzo(a)anthracene	21.36	228	1417041	38.46	ng/ul	99
84) Chrysene	21.40	228	1195349	35.80	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	1519518m	35.11	ng/ul	
88) Benzo(k)fluoranthene	23.01	252	524703m	12.75	ng/ul	
90) Benzo(a)pyrene	23.56	252	1248926m	30.33	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.97	276	790560	15.93	ng/ul#	84
92) Dibenzo(a,h)anthracene	25.97	278	188458	4.49	ng/ul#	82
93) Benzo(g,h,i)perylene	26.69	276	654386	16.00	ng/ul#	90

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