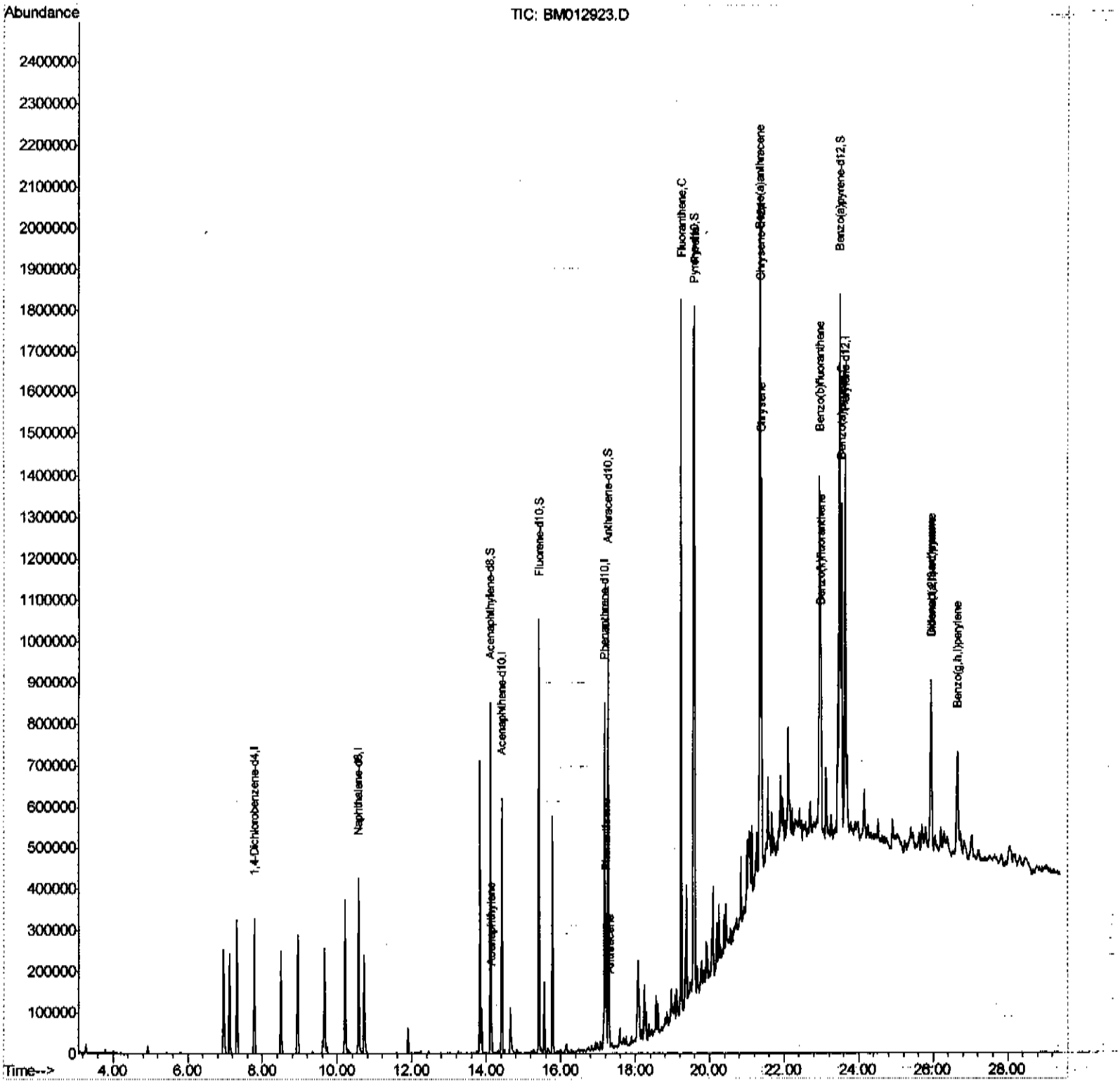
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012923.D
Acq On : 12 Nov 2017 03:41
Operator : SJ/JU
Sample : I6319-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 13 03:34:25 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHL1

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:02 PM

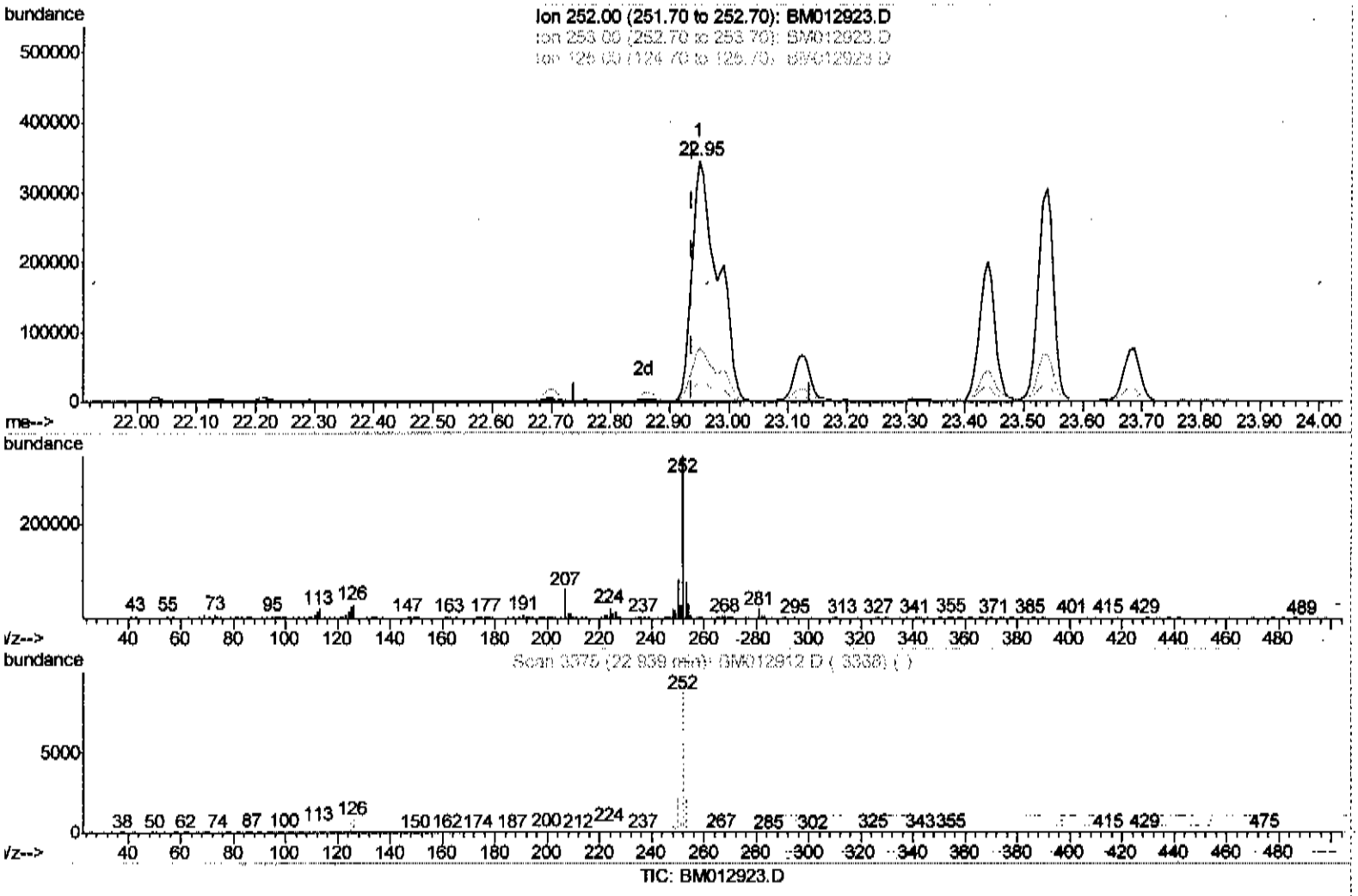


Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012923.D
Acq On : 12 Nov 2017 03:41
Operator : SJ/JU
Sample : I6319-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 13 02:11:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHL1

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:02 PM



(23) Benzo(b)fluoranthene

22.950min (+0.012) 25.54ng/ul

response 1050771

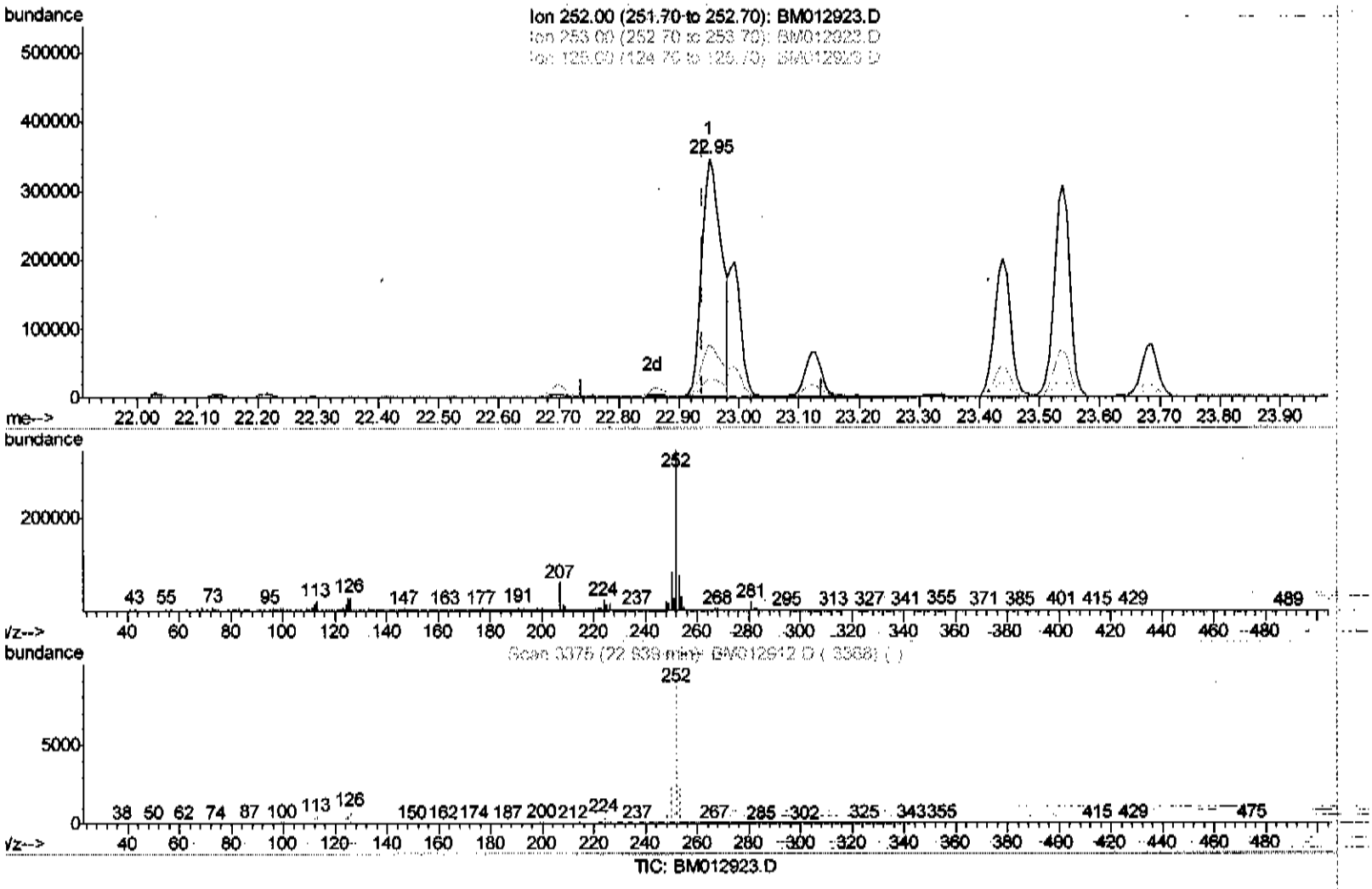
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.31
125.00	10.00	7.84#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012923.D
Acq On : 12 Nov 2017 03:41
Operator : SJ/JU
Sample : I6319-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 13 02:11:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHL1

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:02 PM



TIC: BM012923.D

(23) Benzo(b)fluoranthene

22.950min (+0.012) 19.29ng/ul m

JH 11/13/17

response 793497

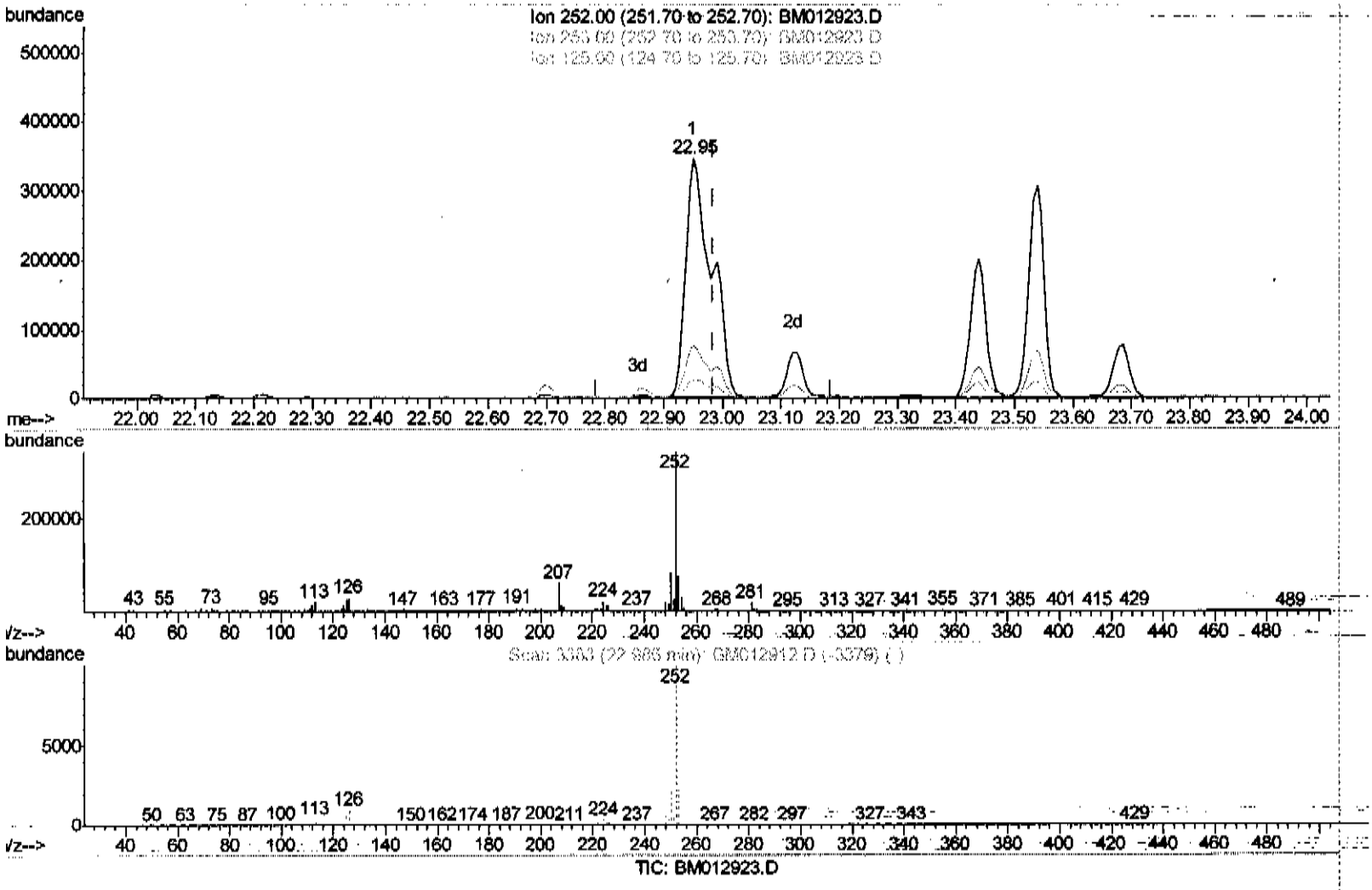
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.31
125.00	10.00	7.84#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012923.D
Acq On : 12 Nov 2017 03:41
Operator : SJ/JU
Sample : I6319-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 13 02:11:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHL1

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:02 PM



(24) Benzo(k)fluoranthene

22.950min (-0.035) 26.58ng/ul

response 1045259

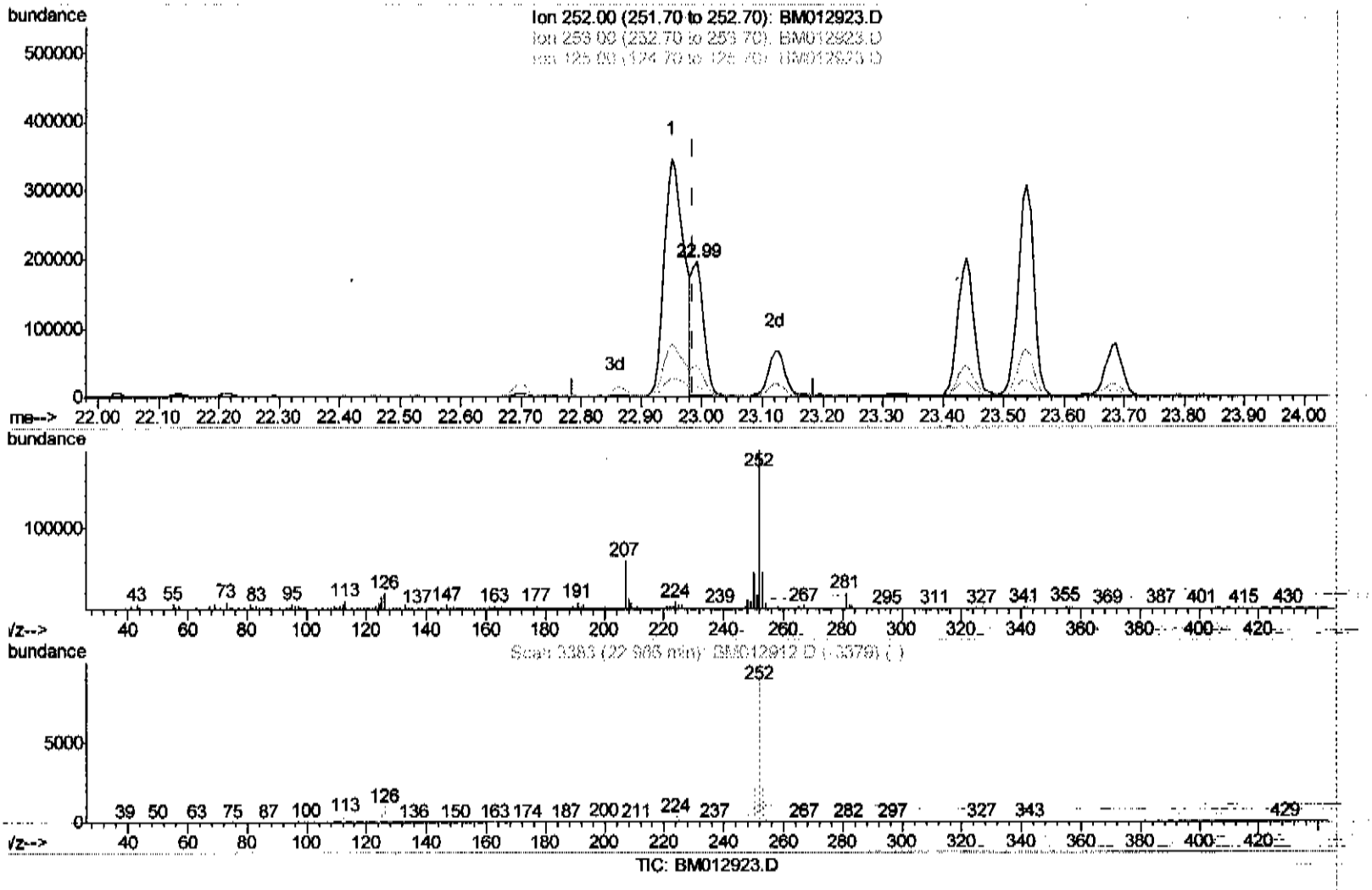
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	22.31
125.00	10.10	7.84#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012923.D
Acq On : 12 Nov 2017 03:41
Operator : SJ/JU
Sample : I6319-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 13 02:11:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHL1

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:02 PM



TIC: BM012923.D

(24) Benzo(k)fluoranthene

22.991min (+0.006) 6.50ng/ul m SJ 11/13/17

response 255686

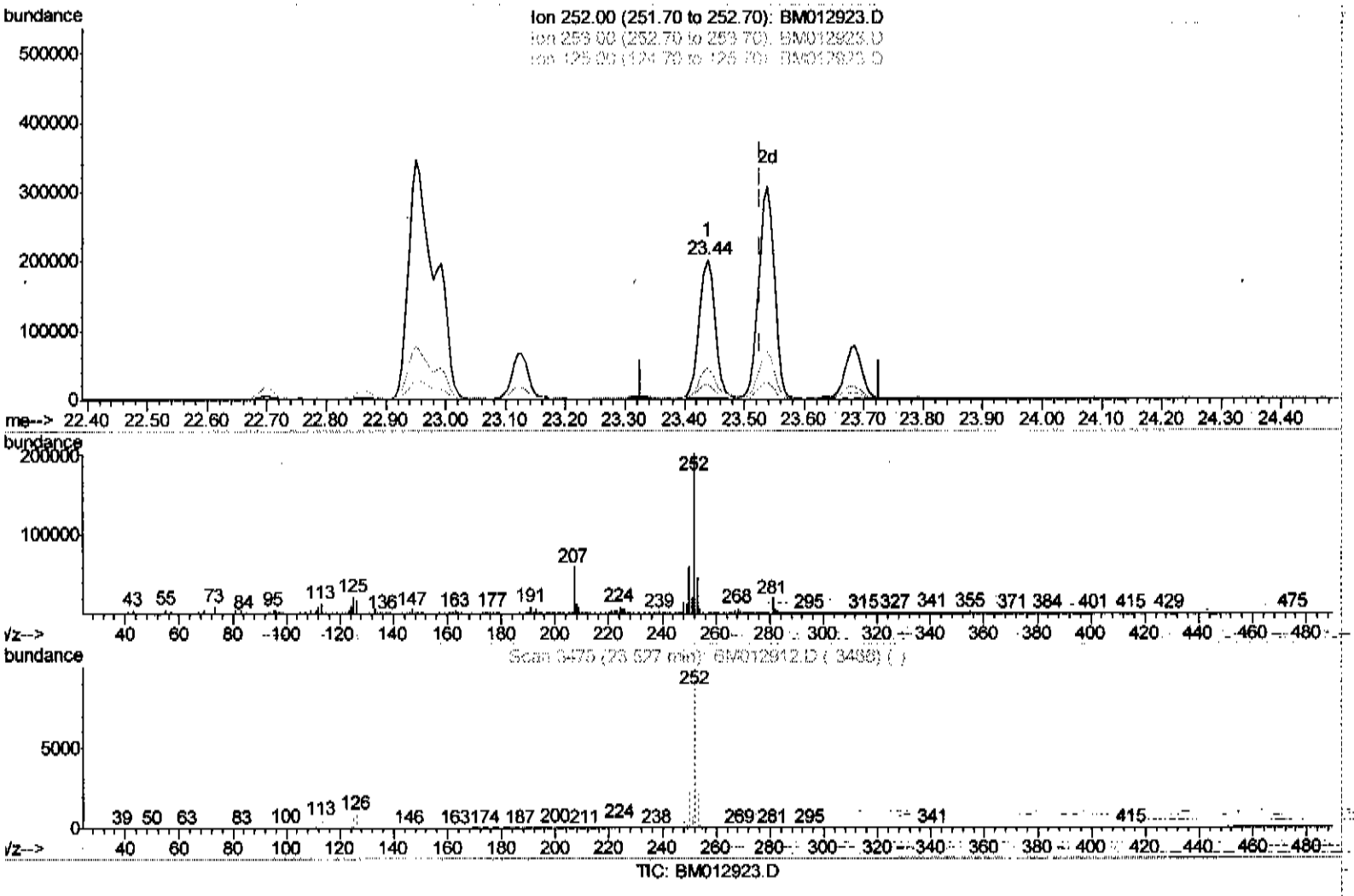
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.55
125.00	10.10	7.75#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012923.D
Acq On : 12 Nov 2017 03:41
Operator : SJ/JU
Sample : I6319-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 13 02:11:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHL1

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:02 PM



(26) Benzo(a)pyrene (C)

23.438min (-0.088) 9.37ng/ul

response 373806

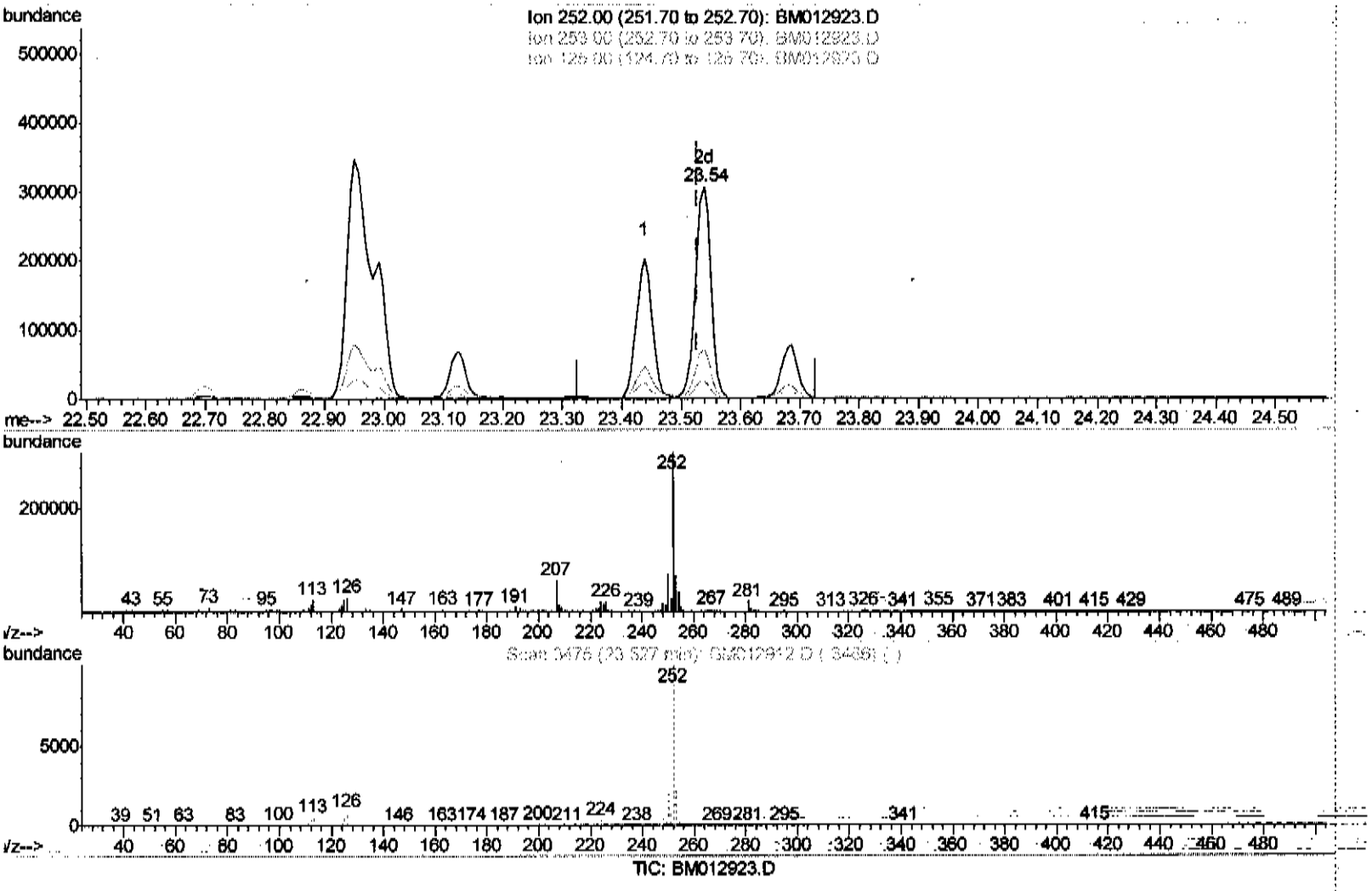
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	22.41
125.00	10.30	10.64
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012923.D
Acq On : 12 Nov 2017 03:41
Operator : SJ/JU
Sample : I6319-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 13 02:11:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAHL1

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:02 PM



(26) Benzo(a)pyrene (C)

23.538min (+0.012) 13.77ng/ul m JY 11/13/17

response 549547

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	22.75
125.00	10.30	7.78#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
Data File : BM012923.D
Acq On : 12 Nov 2017 03:41
Operator : SJ/JU
Sample : I6319-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DAHL1

Manual Integrations APPROVED
SOHIL
11/13/2017 4:50:02 PM

Quant Time: Nov 13 03:34:25 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 13 02:06:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	95636	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	364861	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	210543	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	485663	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	598409	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	691854	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	605074	27.63	ng/ul	0.00
10) Fluorene-d10	15.42	176	421730	28.16	ng/ul	0.00
14) Anthracene-d10	17.27	188	664819	28.32	ng/ul	0.00
18) Pyrene-d10	19.57	212	753626	28.15	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	942897	28.87	ng/ul	0.01
Target Compounds						Qvalue
8) Acenaphthylene	14.14	152	57314	2.69	ng/ul	98
13) Phenanthrene	17.22	178	204791	7.63	ng/ul	99
15) Anthracene	17.30	178	45072	1.62	ng/ul	98
16) Fluoranthene	19.23	202	1020556	30.93	ng/ul#	92
19) Pyrene	19.60	202	973432	28.34	ng/ul#	92
20) Benzo(a)anthracene	21.34	228	557911	15.15	ng/ul	97
21) Chrysene	21.39	228	502328	15.27	ng/ul	98
23) Benzo(b)fluoranthene	22.95	252	793497m	19.29	ng/ul	
24) Benzo(k)fluoranthene	22.99	252	255686m	6.50	ng/ul	
26) Benzo(a)pyrene	23.54	252	549547m	13.77	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.94	276	419405	8.15	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.94	278	101464	2.35	ng/ul	94
29) Benzo(g,h,i)perylene	26.65	276	334079	7.78	ng/ul#	93

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