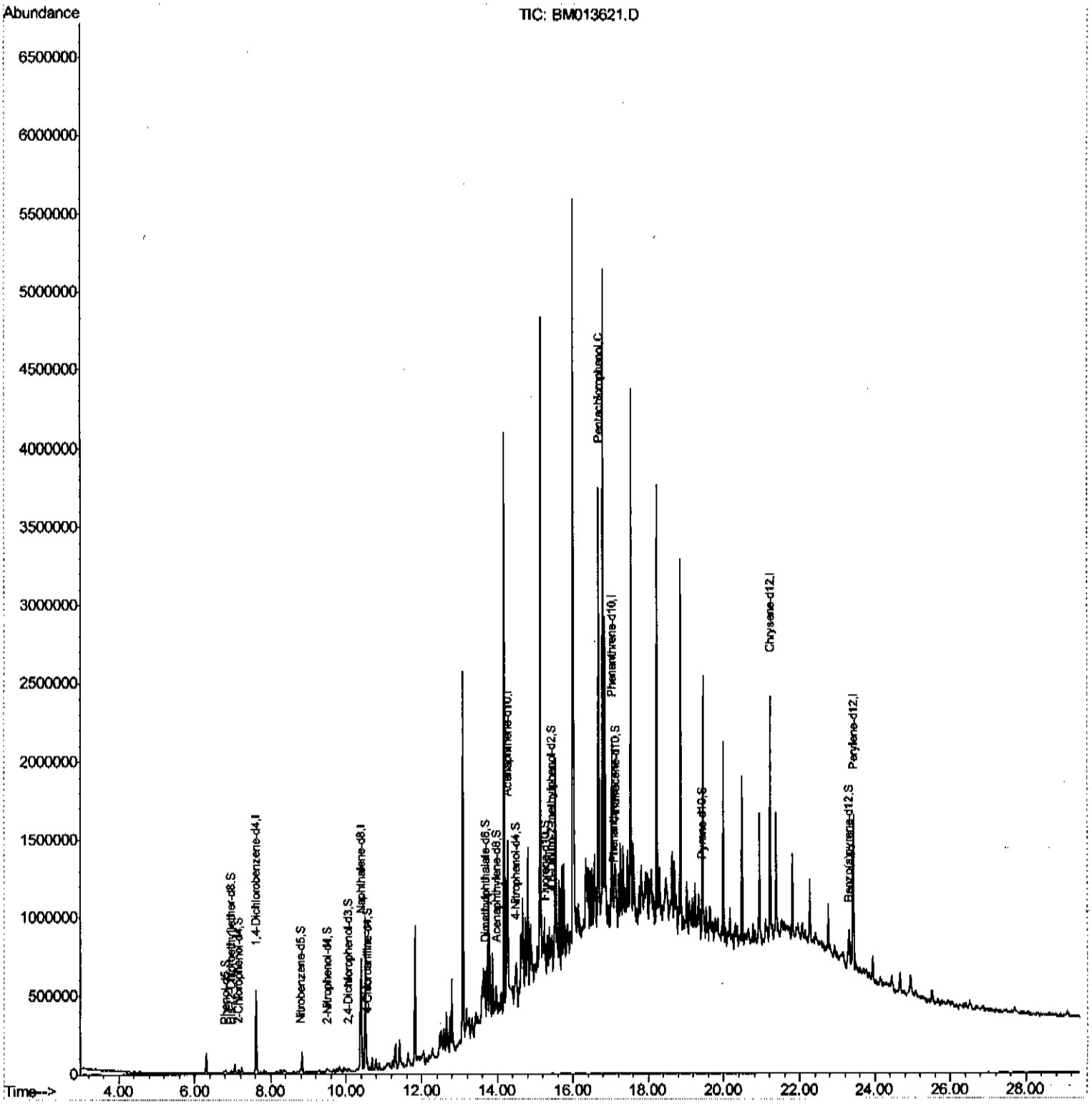
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:35:15 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM

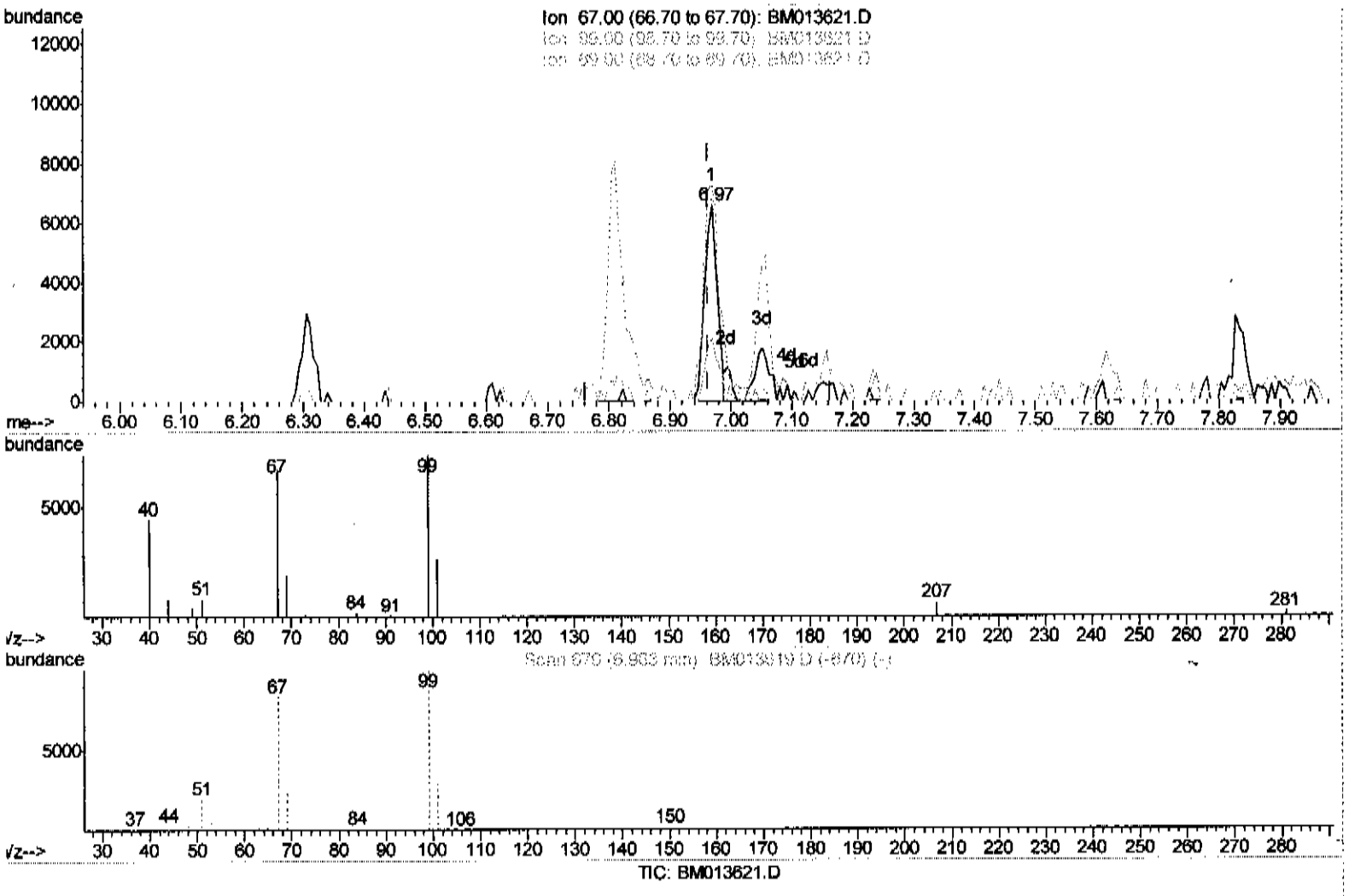


Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 00:59:34 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM



(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.989min (+0.006) 1.51ng/ul

response 9563

Ion	Exp%	Act%
67.00	100	100
99.00	112.80	109.54
69.00	36.30	31.44
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 00:59:34 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
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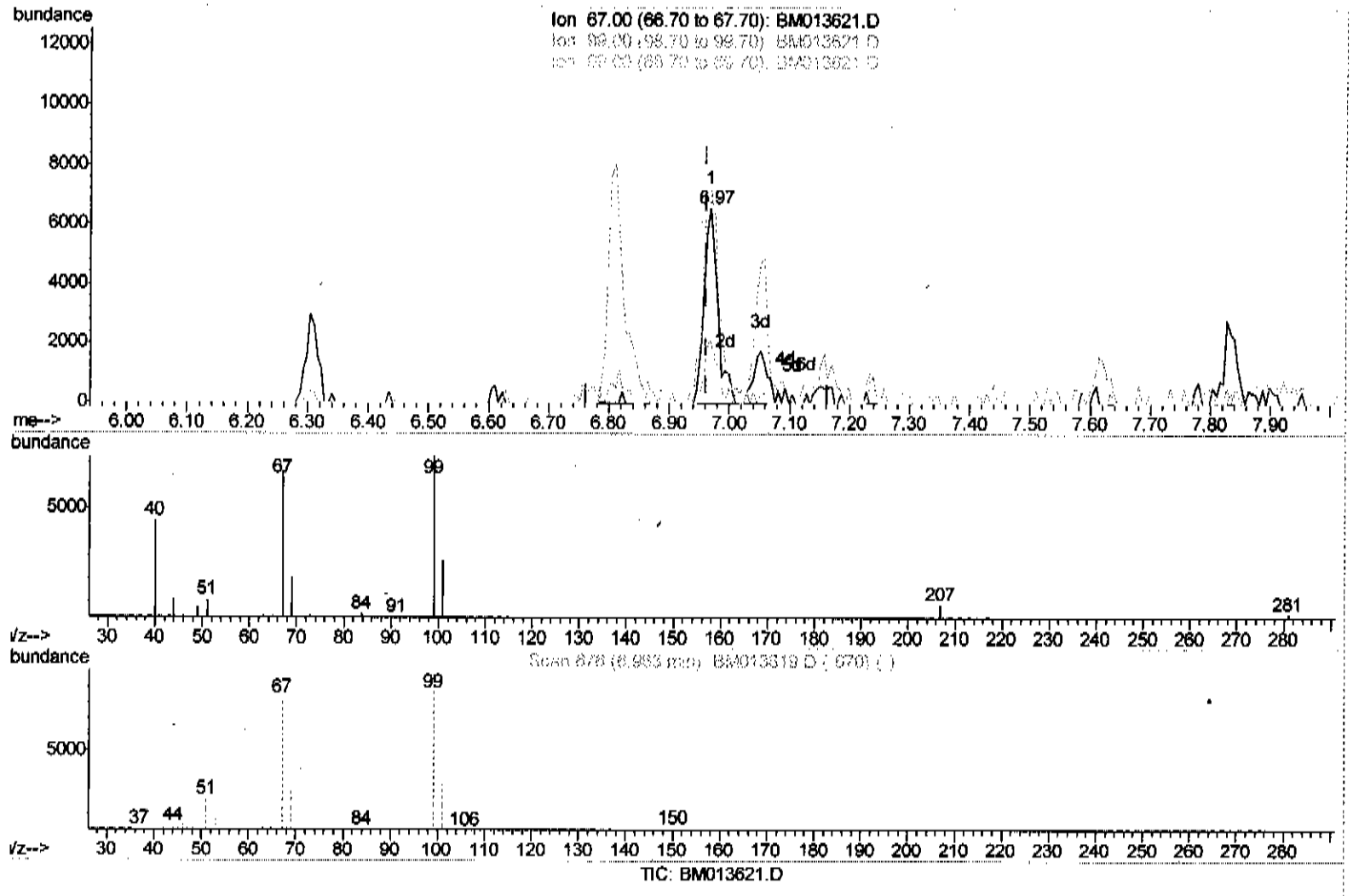


TIC: BM013621.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.969min (+0.006) 1.65ng/ul m JR 01/17/18

response 10435

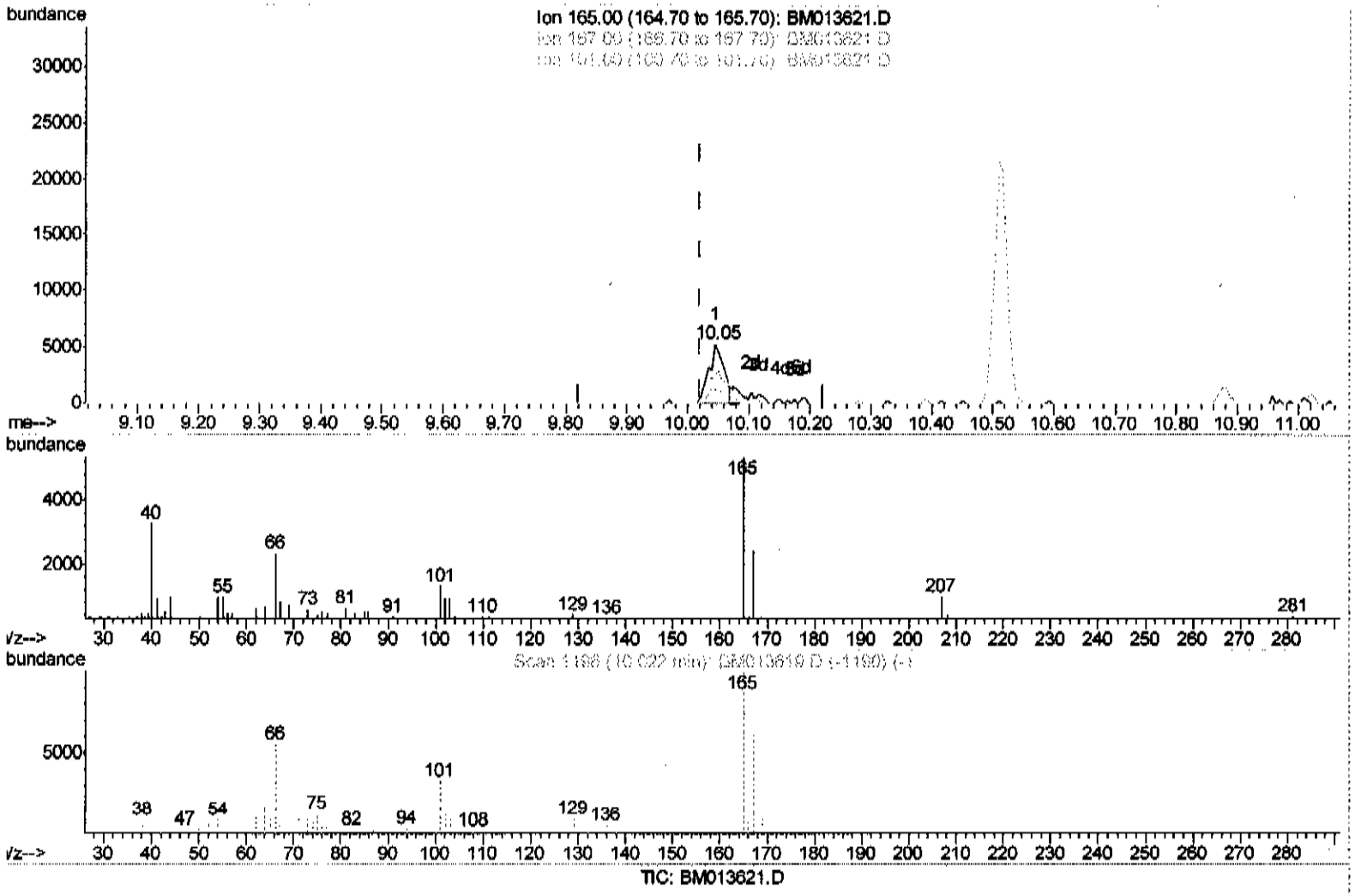
Ion	Exp%	Act%
67.00	100	100
99.00	112.80	109.54
69.00	36.30	31.44
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:24:42 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM



TIC: BM013621.D

(26) 2,4-Dichlorophenol-d3 (S)

10.045min (+0.024) 1.09ng/ul

response 9117

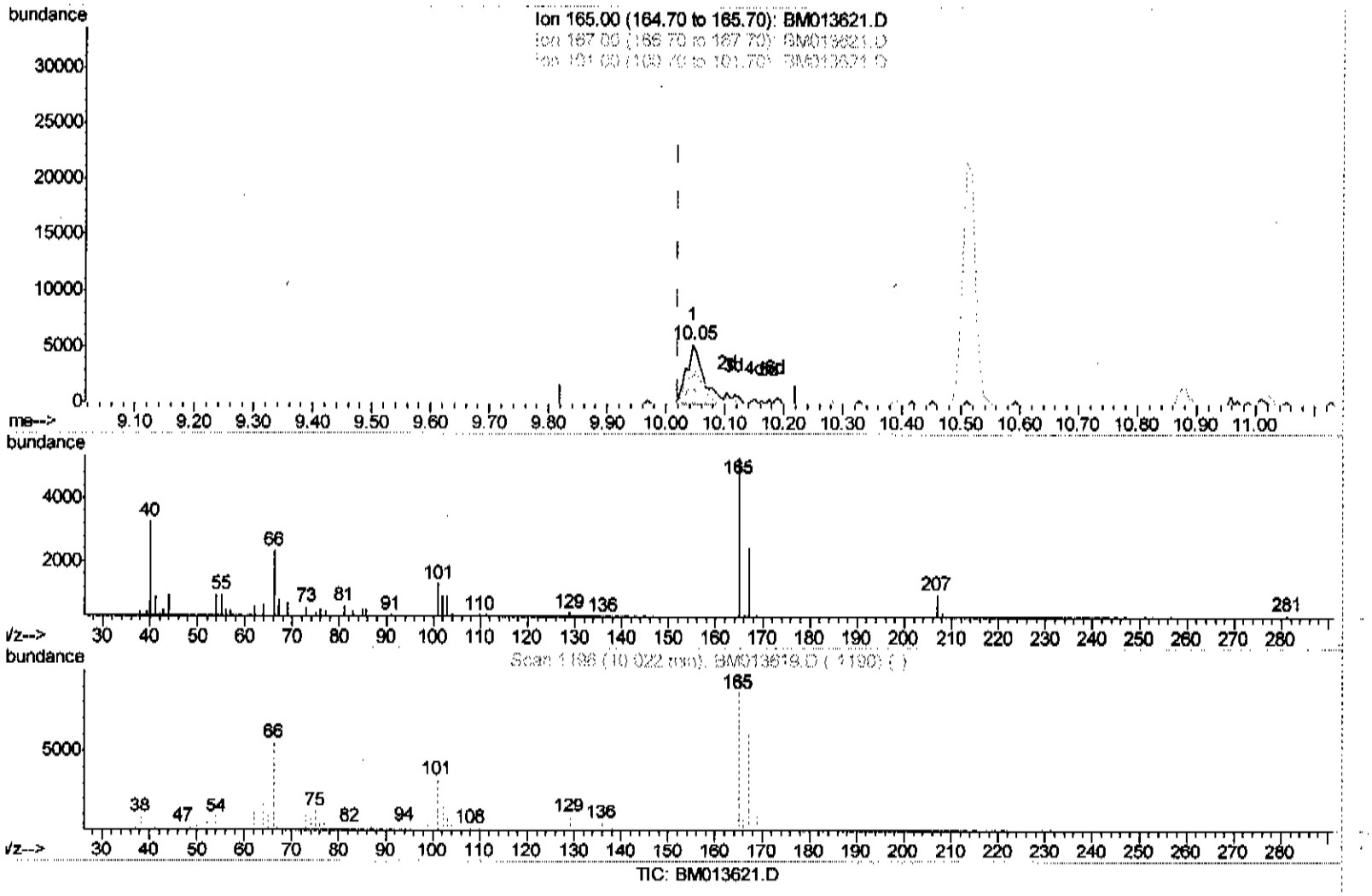
Ion	Exp%	Act%
165.00	100	100
167.00	63.60	45.84#
101.00	29.30	24.82
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:24:42 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM



(26) 2,4-Dichlorophenol-d3 (S)

10.045min (+0.024) 1.42ng/ul m JJE 1/17/18

response 11897

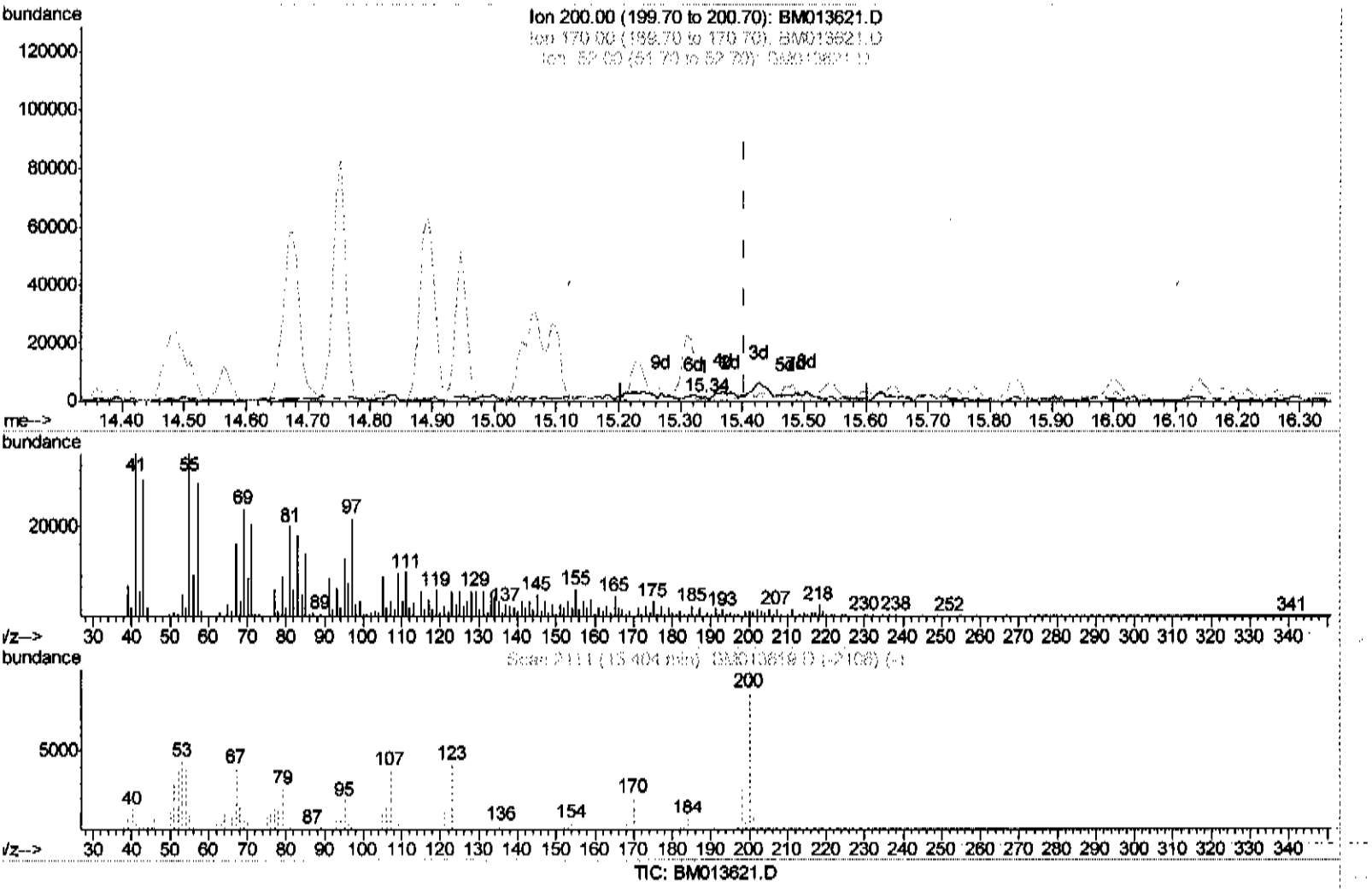
Ion	Exp%	Act%
165.00	100	100
167.00	63.60	45.84#
101.00	29.30	24.82
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:25:45 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM



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

15.339min (-0.065) 0.06ng/ul

response 240

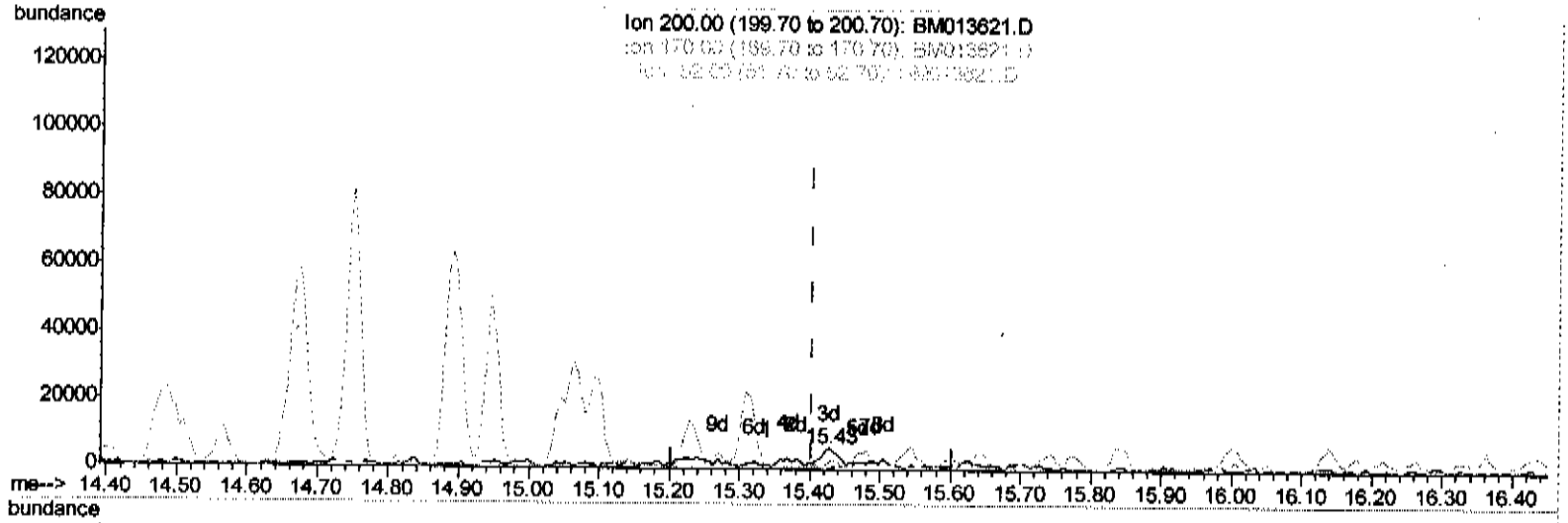
Ion	Exp%	Act%
200.00	100	100
170.00	23.50	26.34
52.00	49.50	51.94
0.00	0.00	0.00

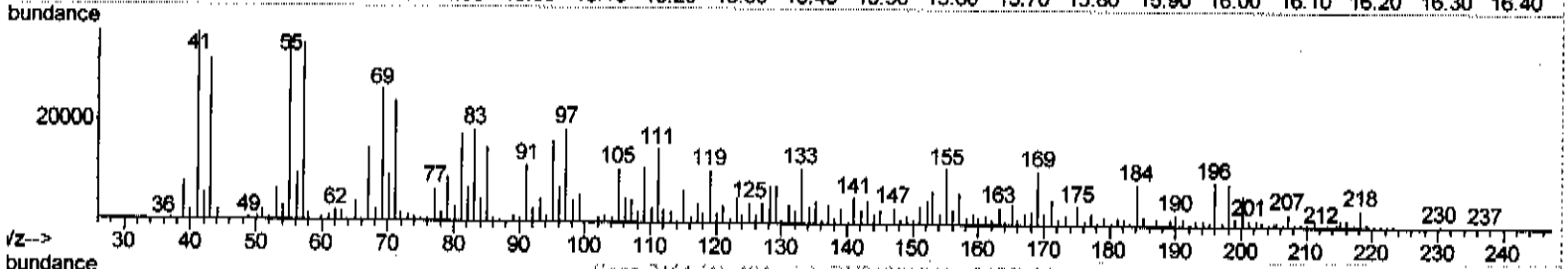
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

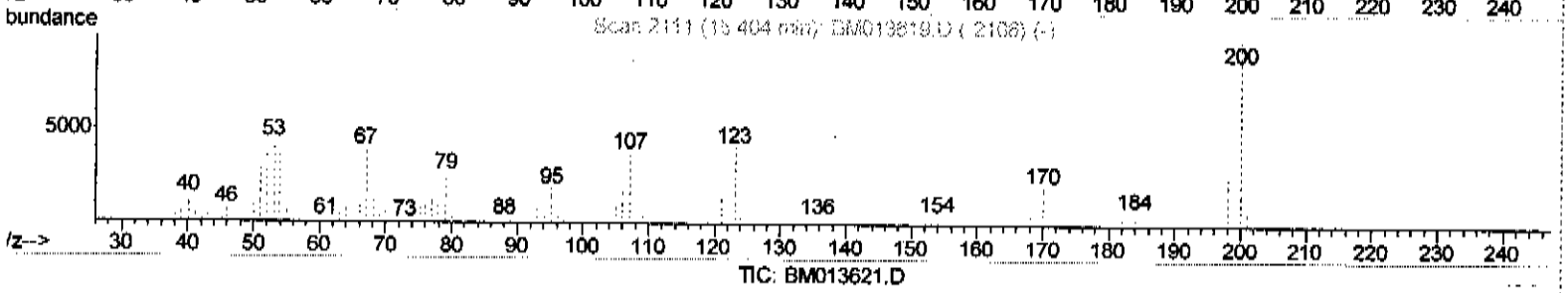
Quant Time: Jan 17 01:25:45 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM







TIC: BM013621.D

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

15.427min (+0.024) 2.41ng/ul m

response 9211

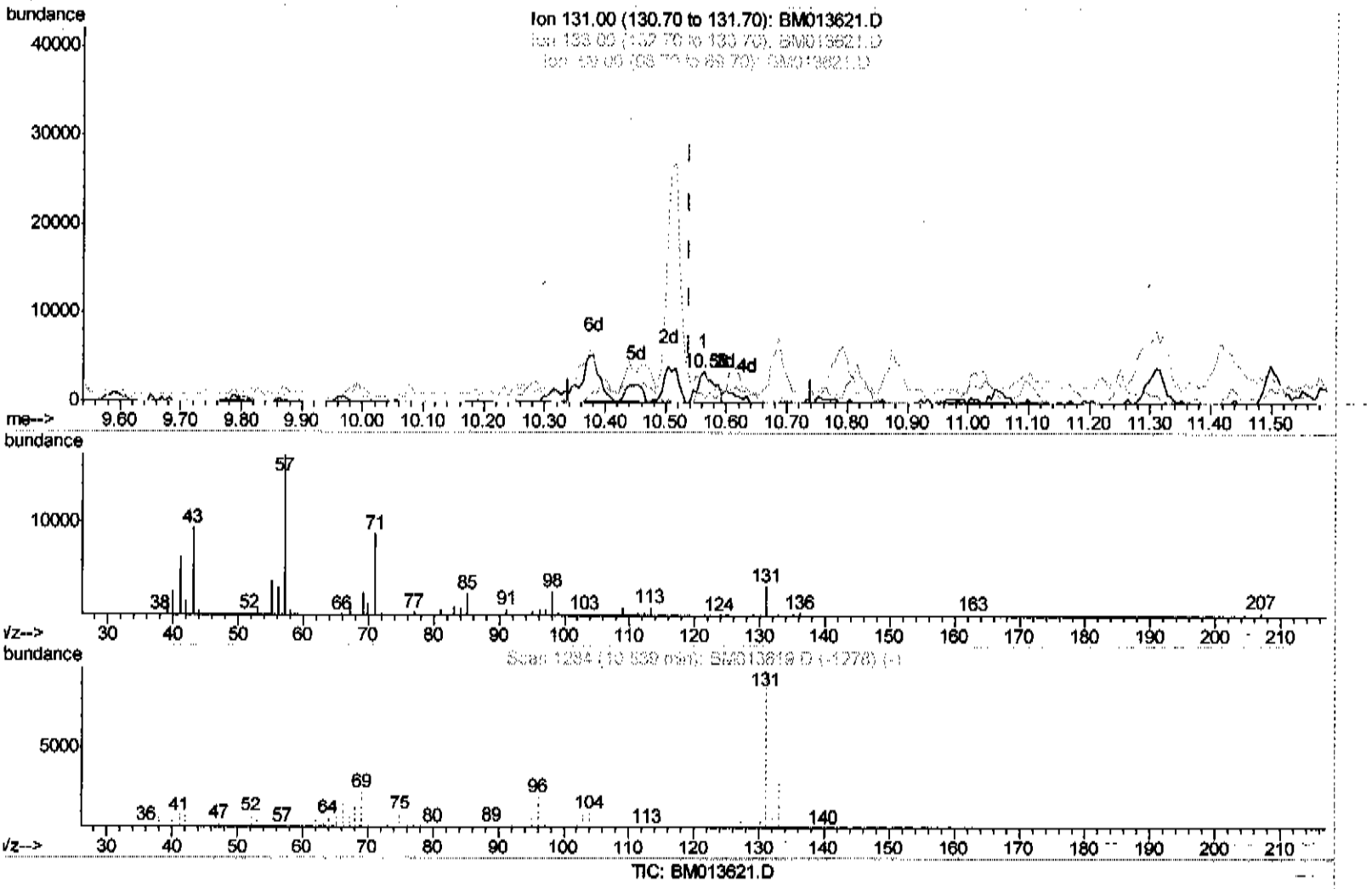
Ion	Exp%	Act%
200.00	100	100
170.00	23.50	40.21#
52.00	49.50	16.20#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:29:04 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM



TIC: BM013621.D

(29) 4-Chloroaniline-d4 (S)

10.563min (+0.024) 0.92ng/ul

response 6633

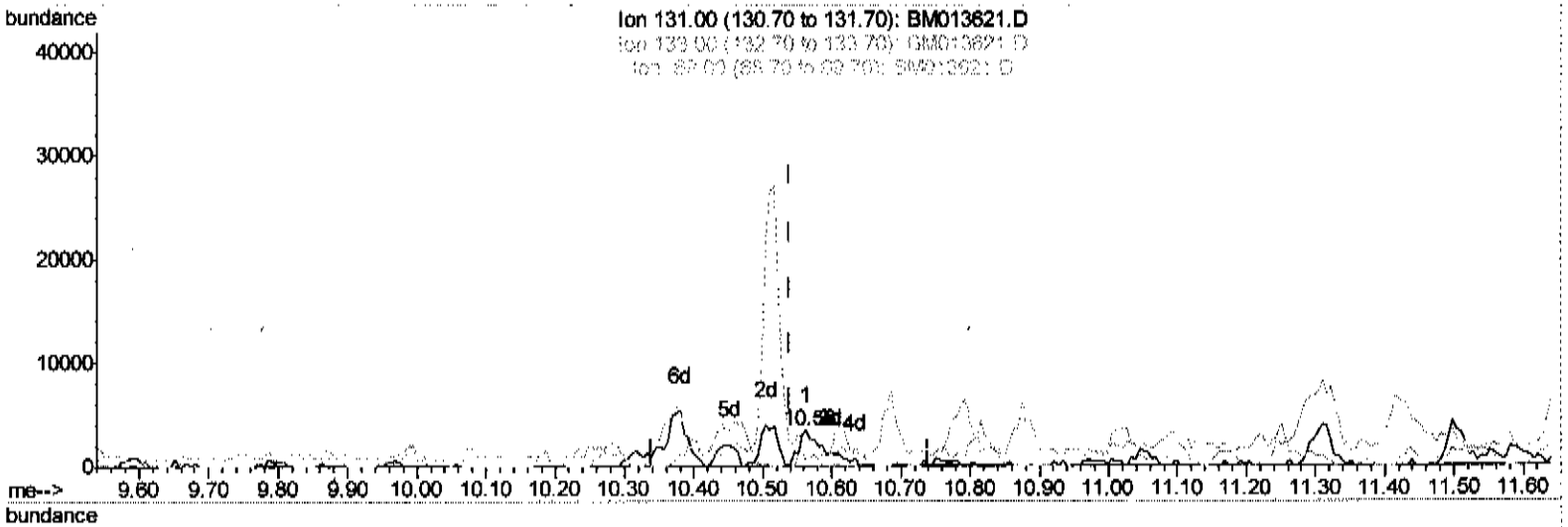
Ion	Exp%	Act%
131.00	100	100
133.00	31.40	14.39#
69.00	24.30	77.72#
0.00	0.00	0.00

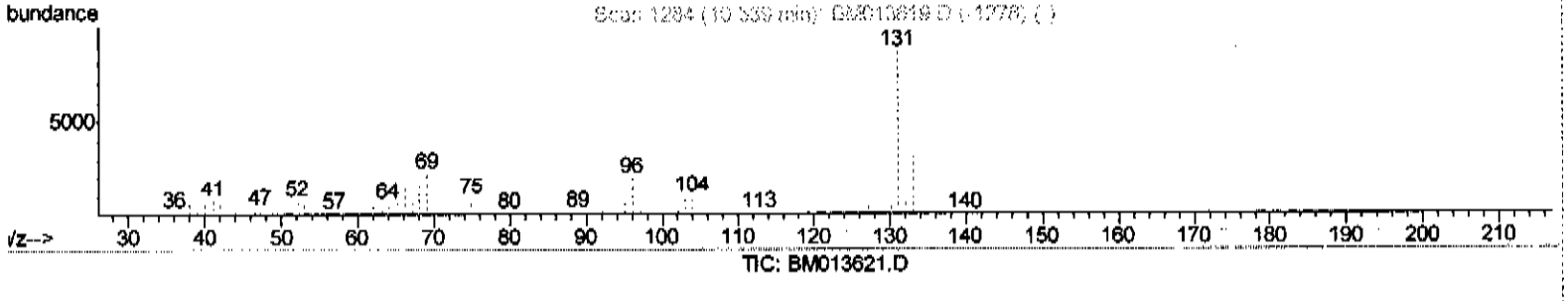
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:29:04 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM





TIC: BM013621.D

(29) 4-Chloroaniline-d4 (S)

10.563min (+0.024) 1.20ng/ul m

response 8674

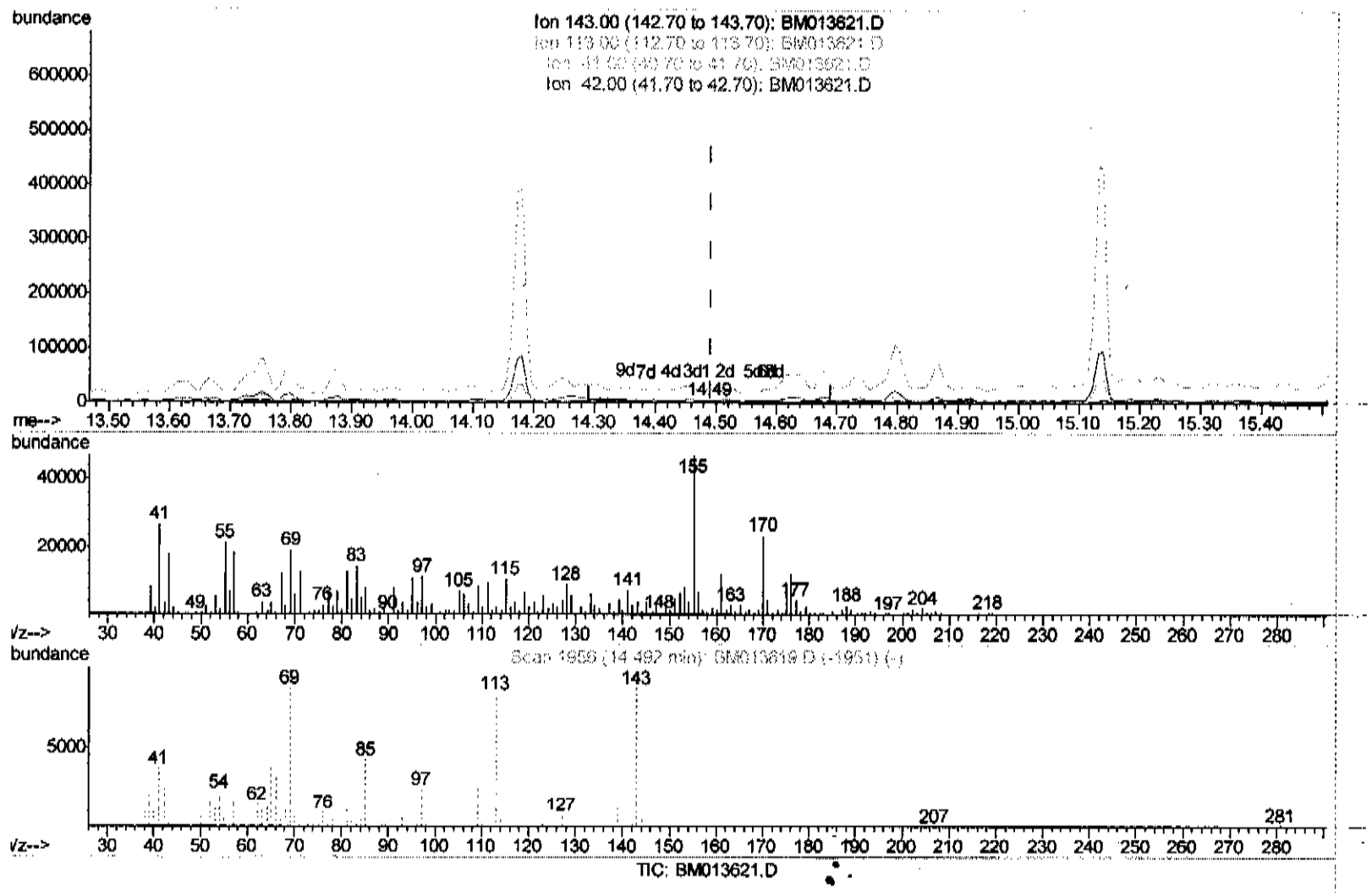
Ion	Exp%	Act%
131.00	100	100
133.00	31.40	14.39#
69.00	24.30	77.72#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:31:00 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM



(51) 4-Nitrophenol-d4 (S)

14.486min (-0.006) 0.75ng/ul

response 2790

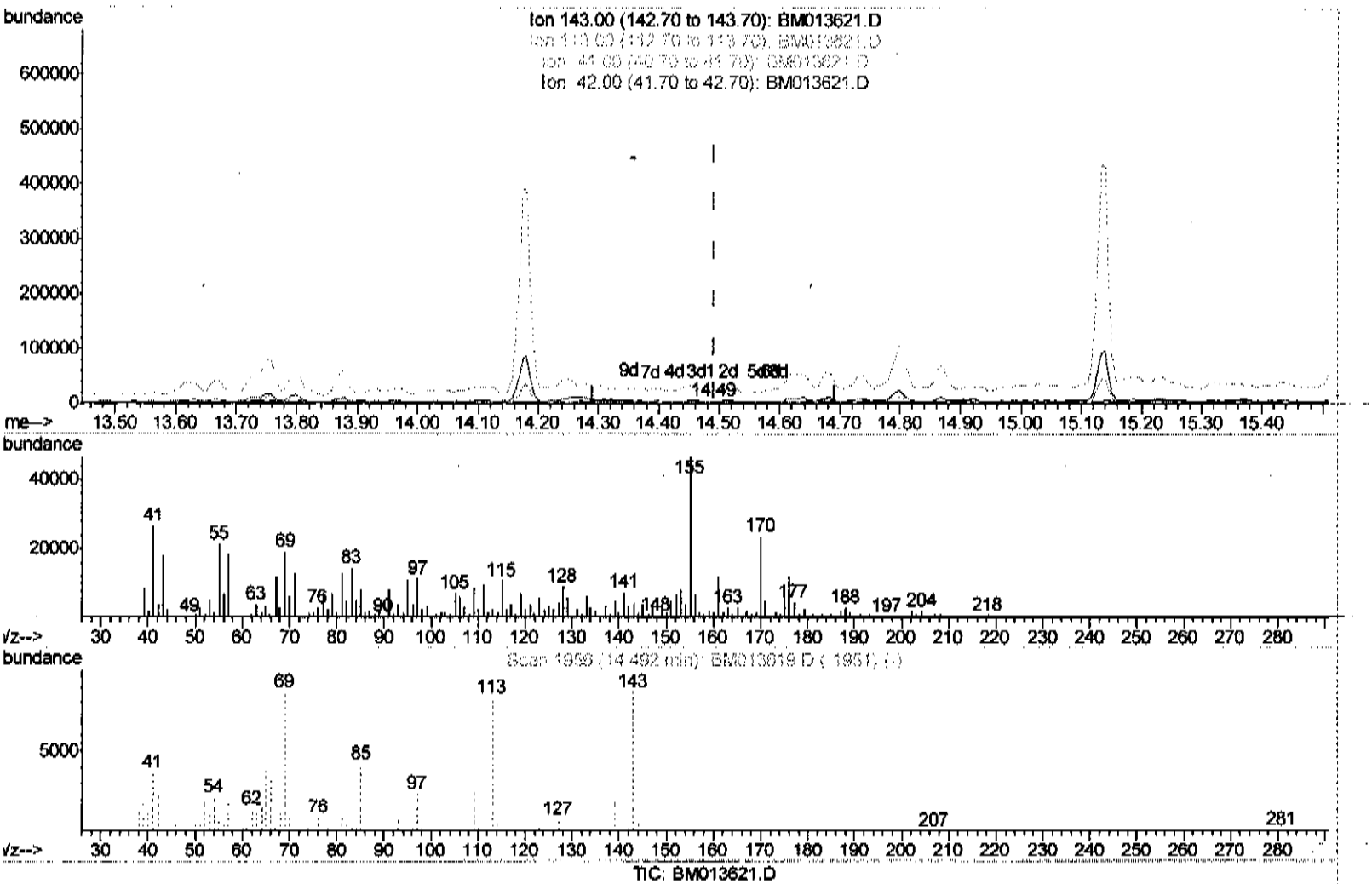
Ion	Exp%	Act%
143.00	100	100
113.00	114.60	61.80#
41.00	34.80	626.59#
42.00	20.50	91.95#

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:31:00 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM



TIC: BM013621.D

(51) 4-Nitrophenol-d4 (S)

14.486min (-0.006) 1.51ng/ul m

response 5617

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	61.80#
41.00	34.80	626.59#
42.00	20.50	91.95#

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
Data File : BM013621.D
Acq On : 16 Jan 2018 14:04
Operator : SJ/JU
Sample : J1079-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 17 01:35:15 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : DAJJ2DL

Manual Integrations APPROVED
Sohil
1/17/2018 10:44:09 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	135969	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	527477	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	277594	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	634903	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	696579	20.00	ng/ul	0.00
83) Perylene-d12	23.42	264	724984	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	1589	0.46	ng/uL	0.00
5) Phenol-d5	6.81	99	14858	1.42	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.97	67	10435m	1.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	12485	1.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	7763	0.97	ng/ul	0.01
19) Nitrobenzene-d5	8.78	128	5523	1.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	4772	1.10	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.05	165	11897m	1.42	ng/ul	0.02
29) 4-Chloroaniline-d4	10.56	131	8674m	1.20	ng/ul	0.02
43) Dimethylphthalate-d6	13.69	166	42266	1.85	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	49783	1.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	5617m	1.51	ng/ul	0.00
57) Fluorene-d10	15.27	176	41922	2.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	9211m	2.41	ng/ul	0.02
70) Anthracene-d10	17.12	188	57233	1.85	ng/ul	0.00
76) Pyrene-d10	19.42	212	69954	2.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.28	264	64464	1.93	ng/ul	0.00
Target Compounds						Qvalue
68) Pentachlorophenol	16.68	266	451529	105.268	ng/ul	97
69) Phenanthrene	17.07	178	47680	1.351	ng/ul#	76

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JU 01/17/18

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