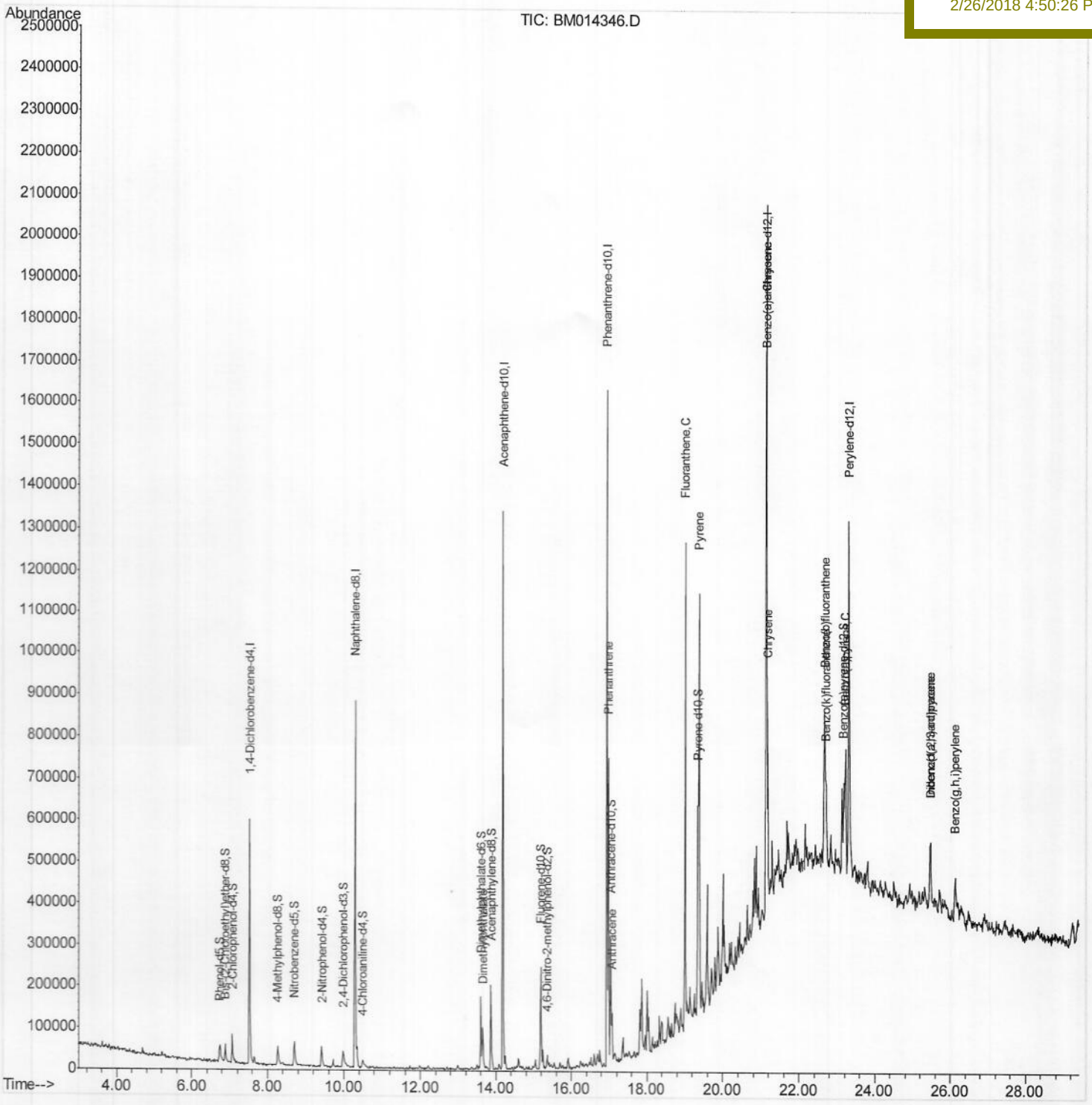
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:51:32 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
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Quant Time: Feb 24 01:28:49 2018
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Quant Title : SVOA CALIBRATION
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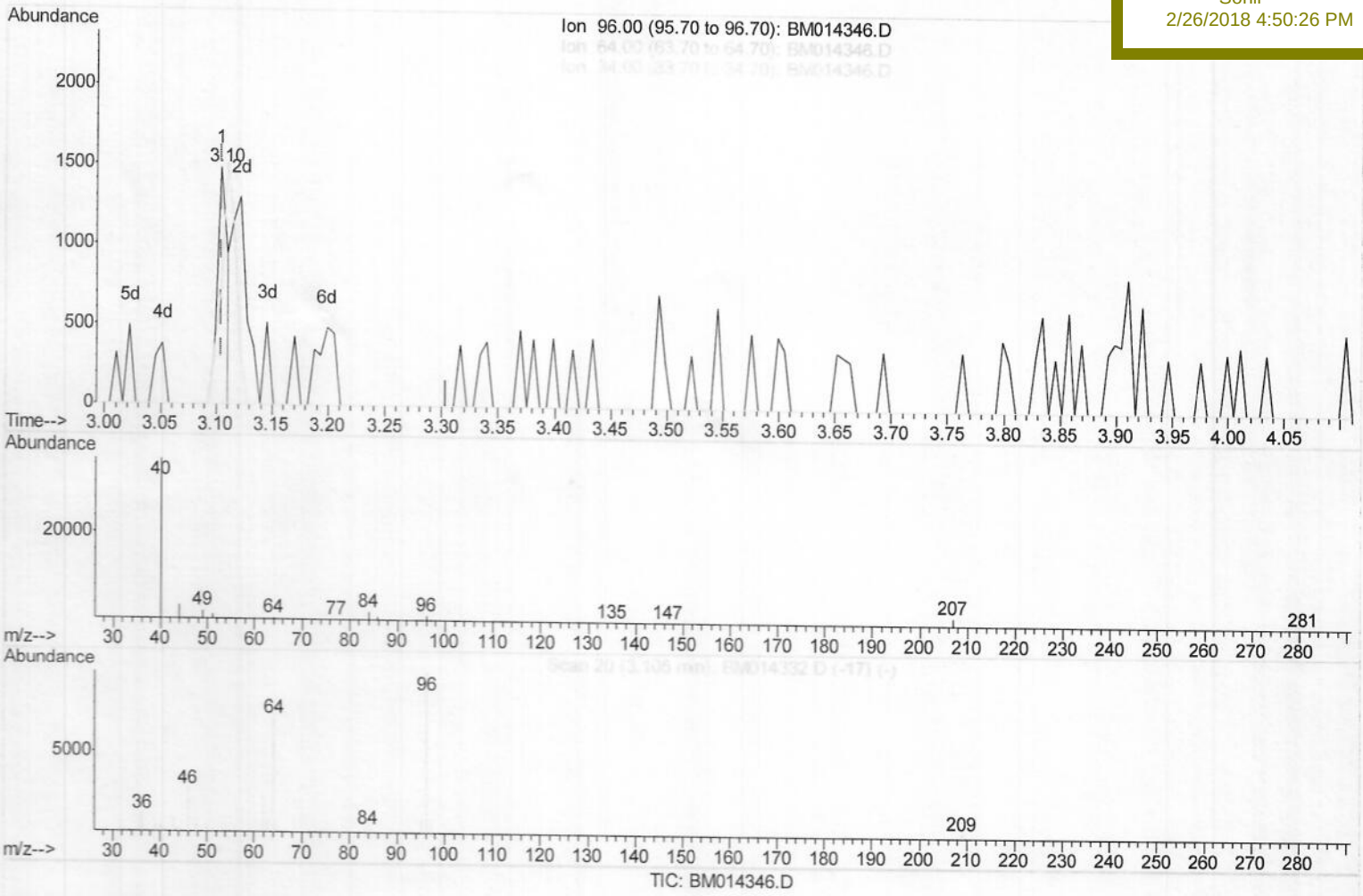
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

(3) 1,4-Dioxane-d8 (S)

3.105min (-0.000) 0.29ng/uL

response 976

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	143.55#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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BNA_M
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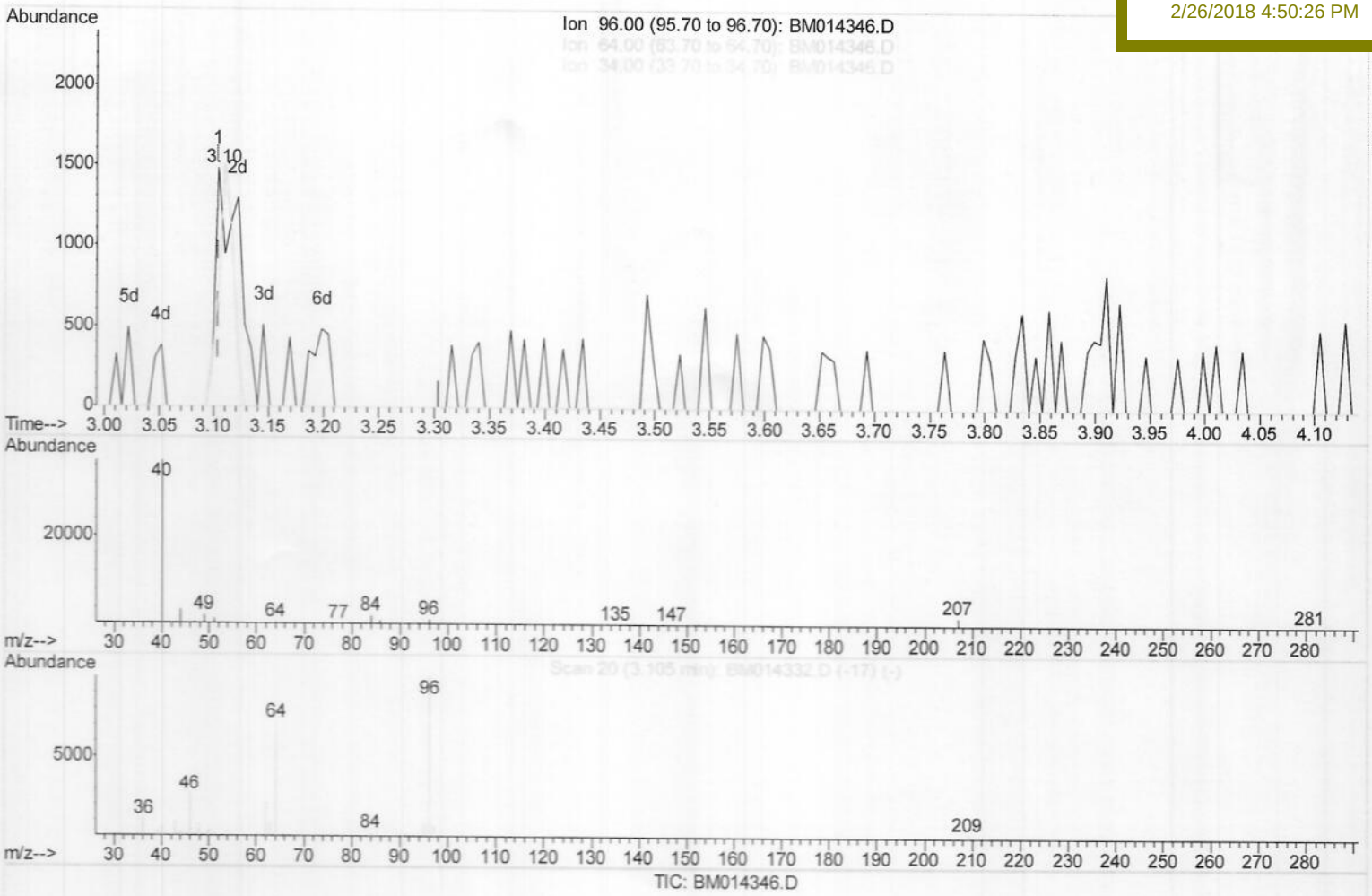
Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



(3) 1,4-Dioxane-d8 (S)

3.105min (-0.000) 0.64ng/uL m -> SJ 03/08/18

response 2146

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	65.28
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
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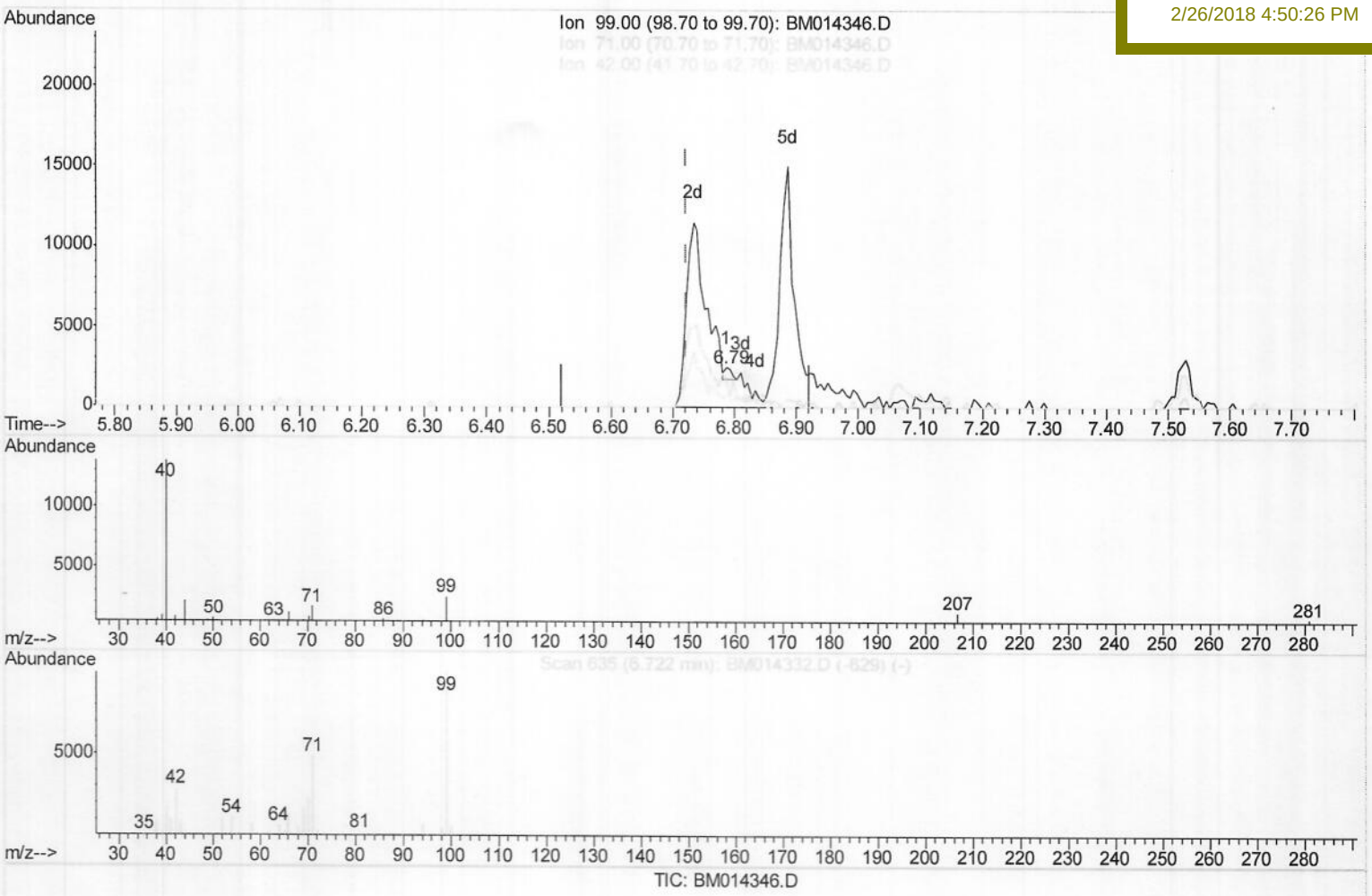
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

(5) Phenol-d5 (S)

6.787min (+0.065) 0.05ng/ul

response 568

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	64.25
42.00	24.20	28.34
0.00	0.00	0.00

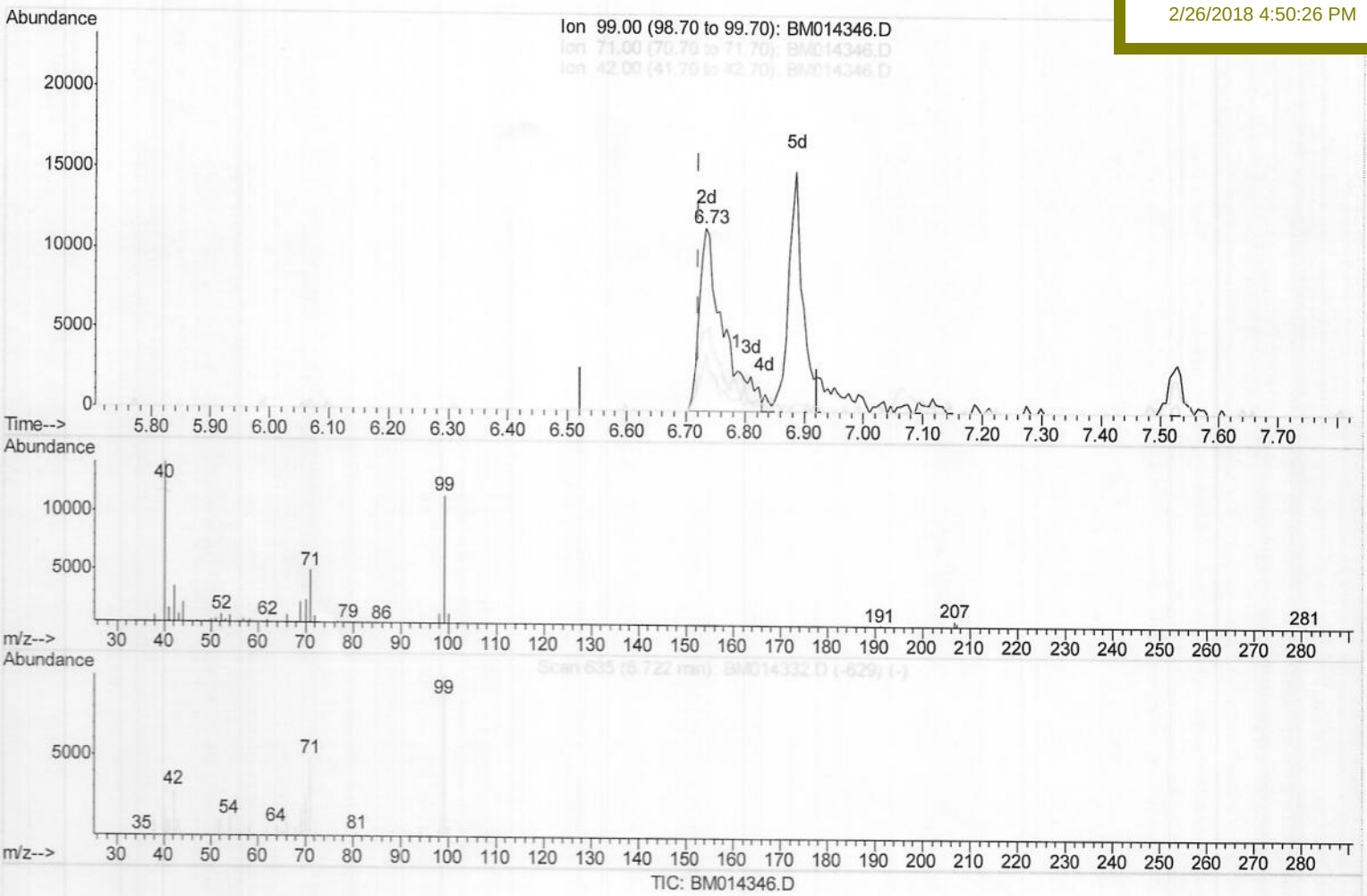
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:28:49 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

(5) Phenol-d5 (S)

6.734min (+0.012) 2.68ng/ul m → SJ 02/06/18

response 32708

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	43.22#
42.00	24.20	30.45#
0.00	0.00	0.00

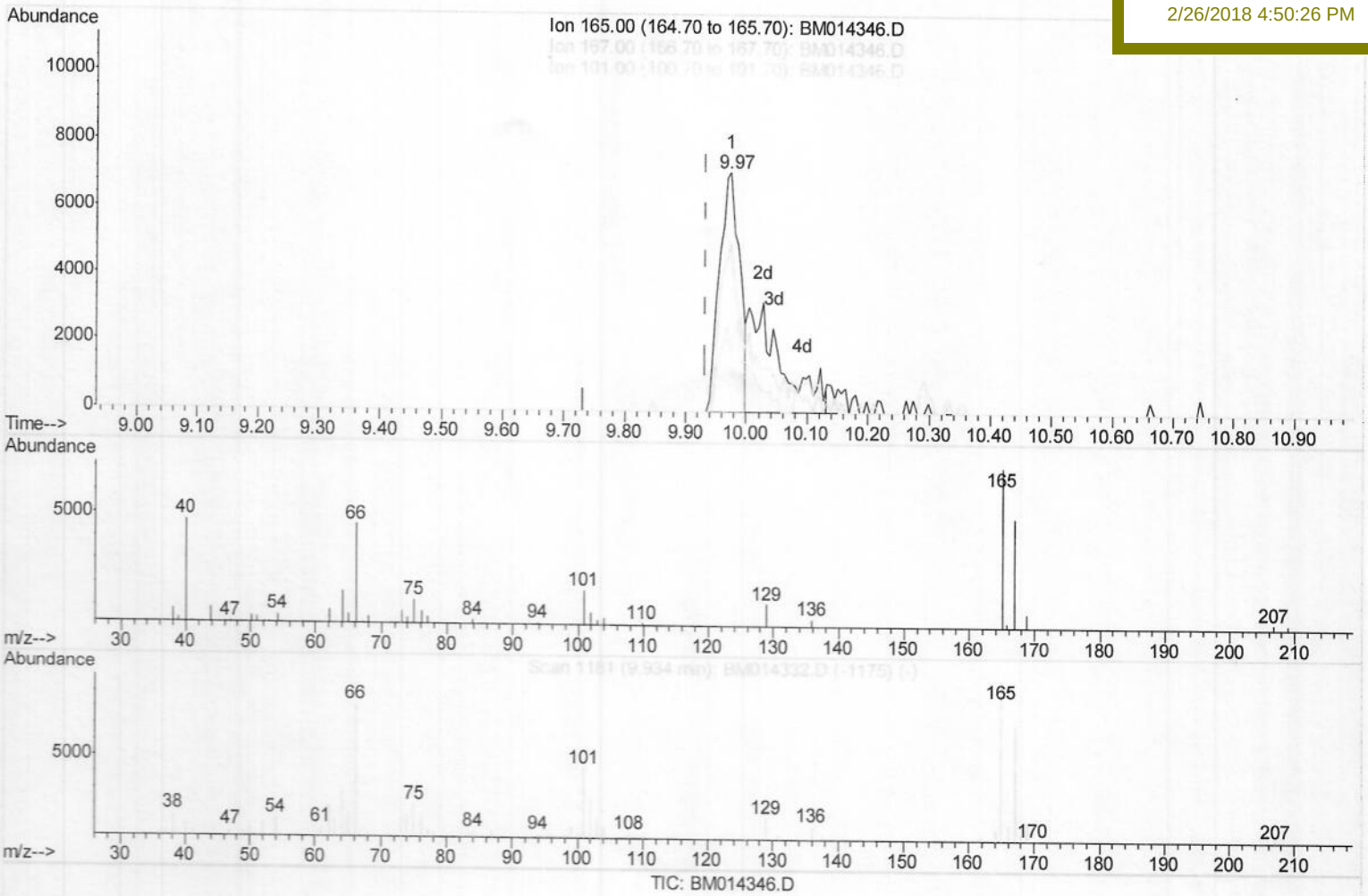
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:28:49 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

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

9.975min (+0.041) 1.58ng/ul

response 16517

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	69.83
101.00	29.30	24.73
0.00	0.00	0.00

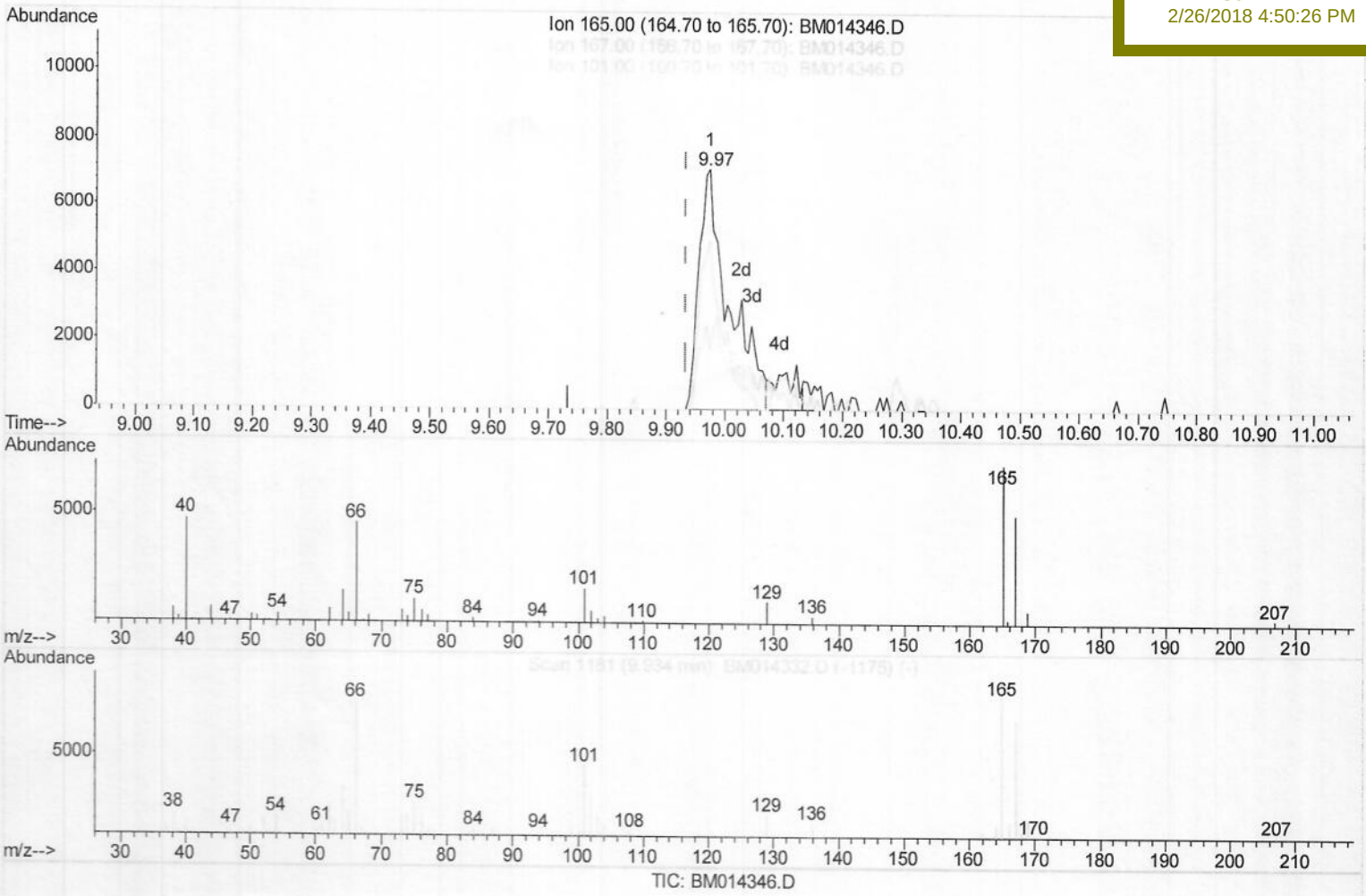
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:28:49 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

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

9.975min (+0.041) 2.42ng/ul m → SJ
23/08/18

response 25296

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	69.83
101.00	29.30	24.73
0.00	0.00	0.00

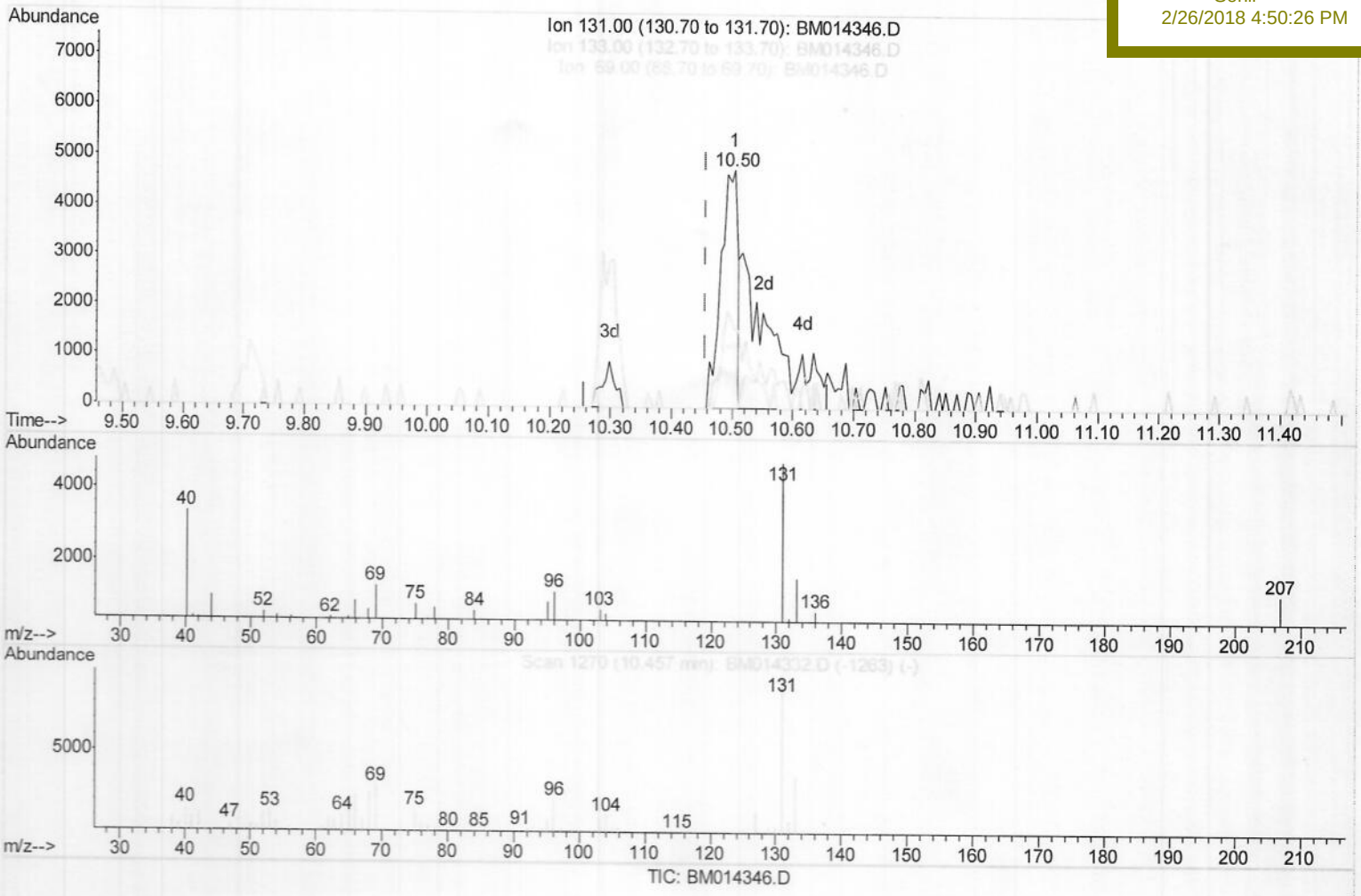
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:28:49 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

(29) 4-Chloroaniline-d4 (S)

10.504min (+0.047) 0.91ng/ul

response 9359

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	32.80
69.00	24.30	27.21
0.00	0.00	0.00

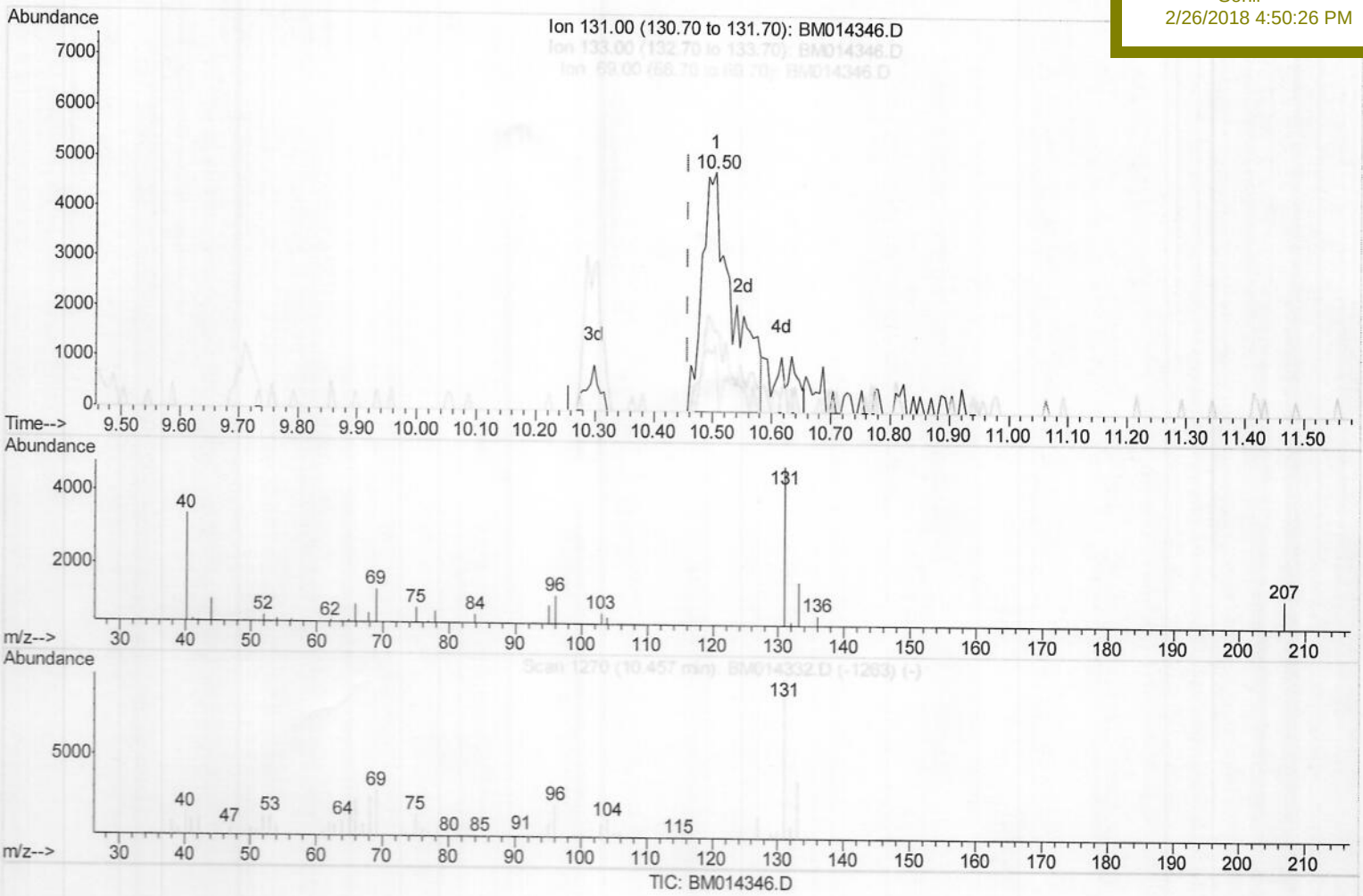
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:28:49 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

(29) 4-Chloroaniline-d4 (S)

10.504min (+0.047) 1.68ng/ul m → S J 03/08/18

response 17341

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	32.80
69.00	24.30	27.21
0.00	0.00	0.00

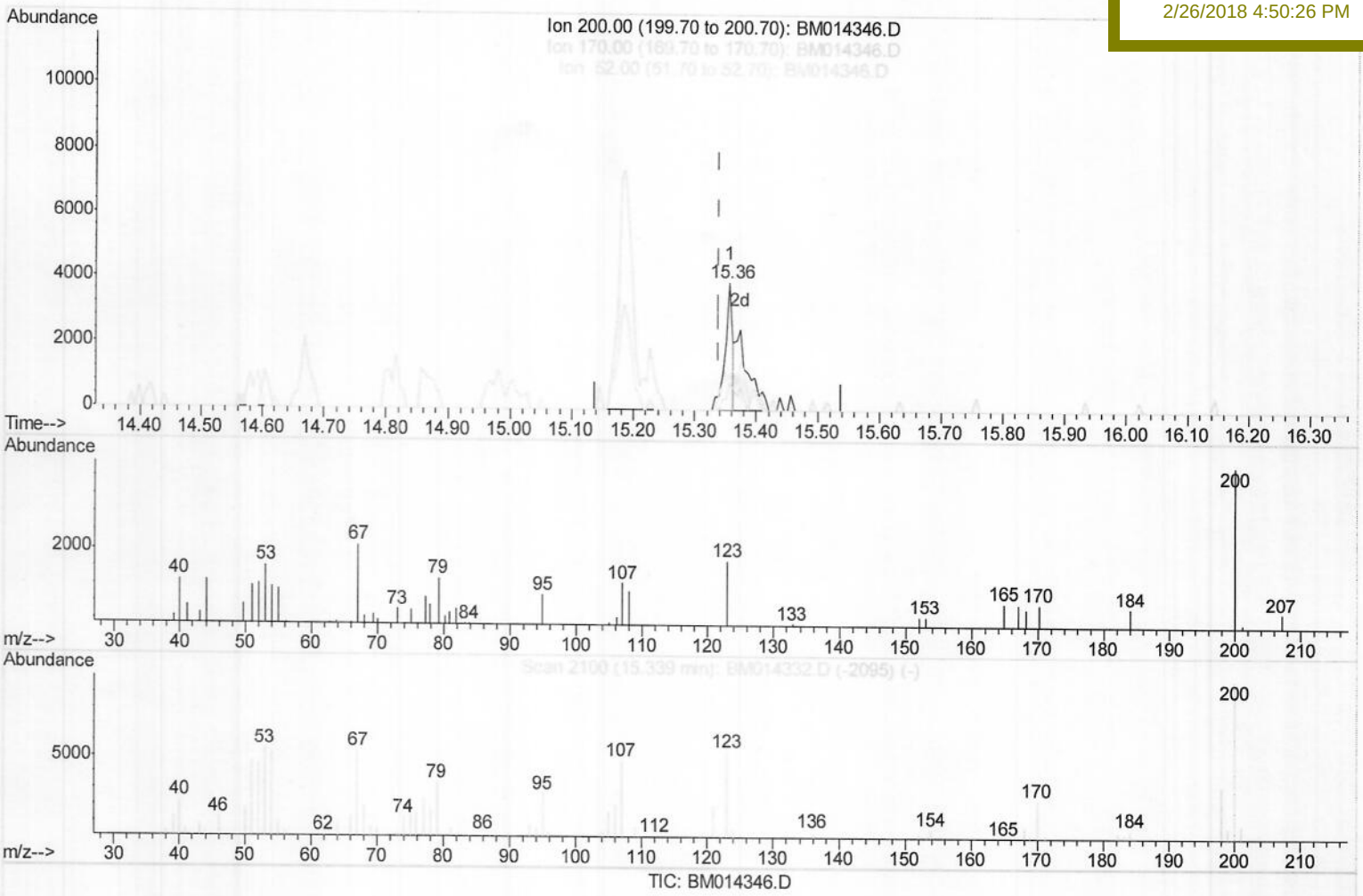
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:48:49 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



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

15.357min (+0.018) 0.70ng/ul

response 3523

Ion	Exp%	Act%
200.00	100	100
170.00	23.50	20.32
52.00	49.50	30.93#
0.00	0.00	0.00

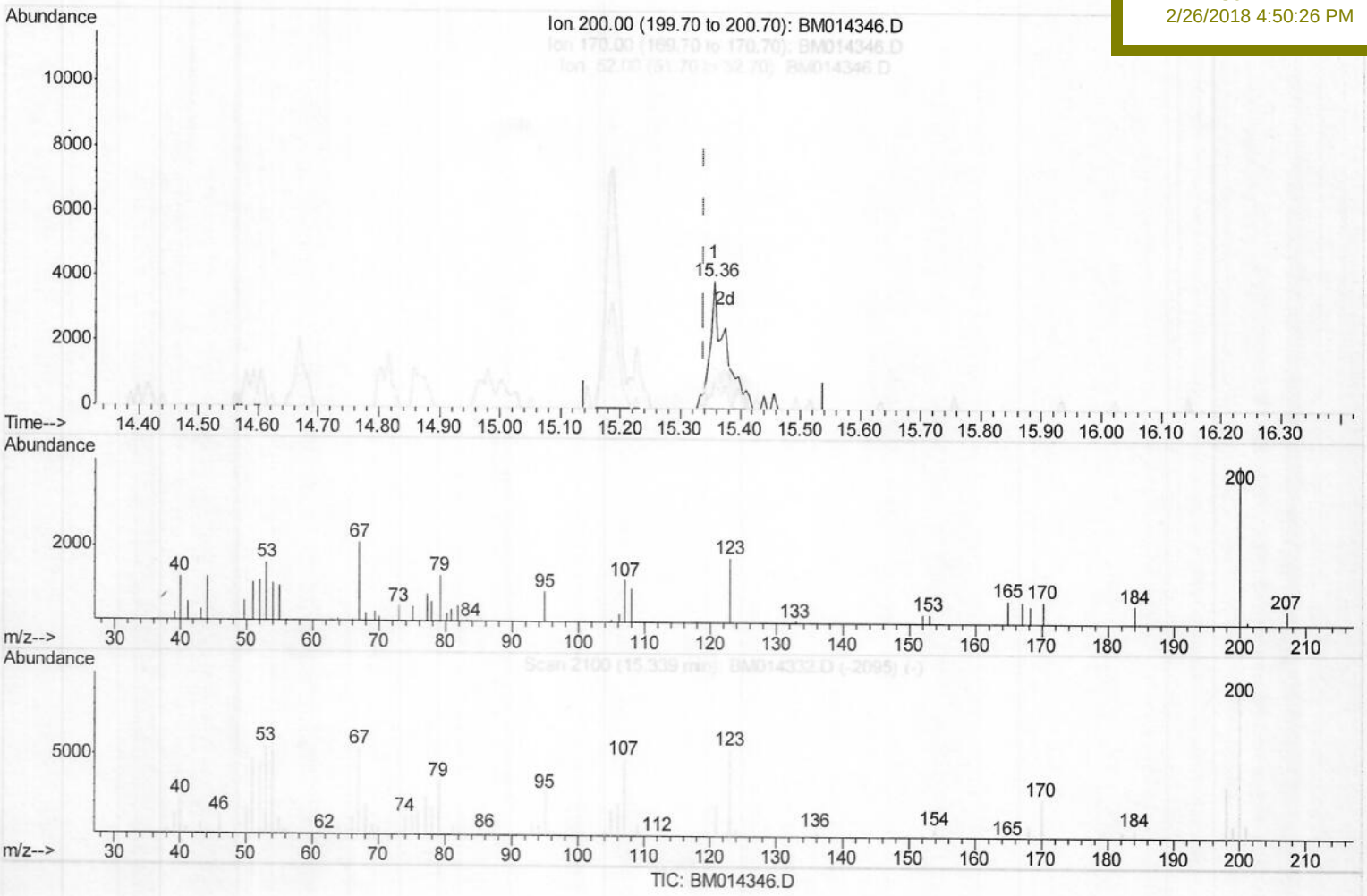
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:48:49 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

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

15.357min (+0.018) 1.42ng/ul m → SJ 02/08/18

response 7133

Ion	Exp%	Act%
200.00	100	100
170.00	23.50	20.32
52.00	49.50	30.93#
0.00	0.00	0.00

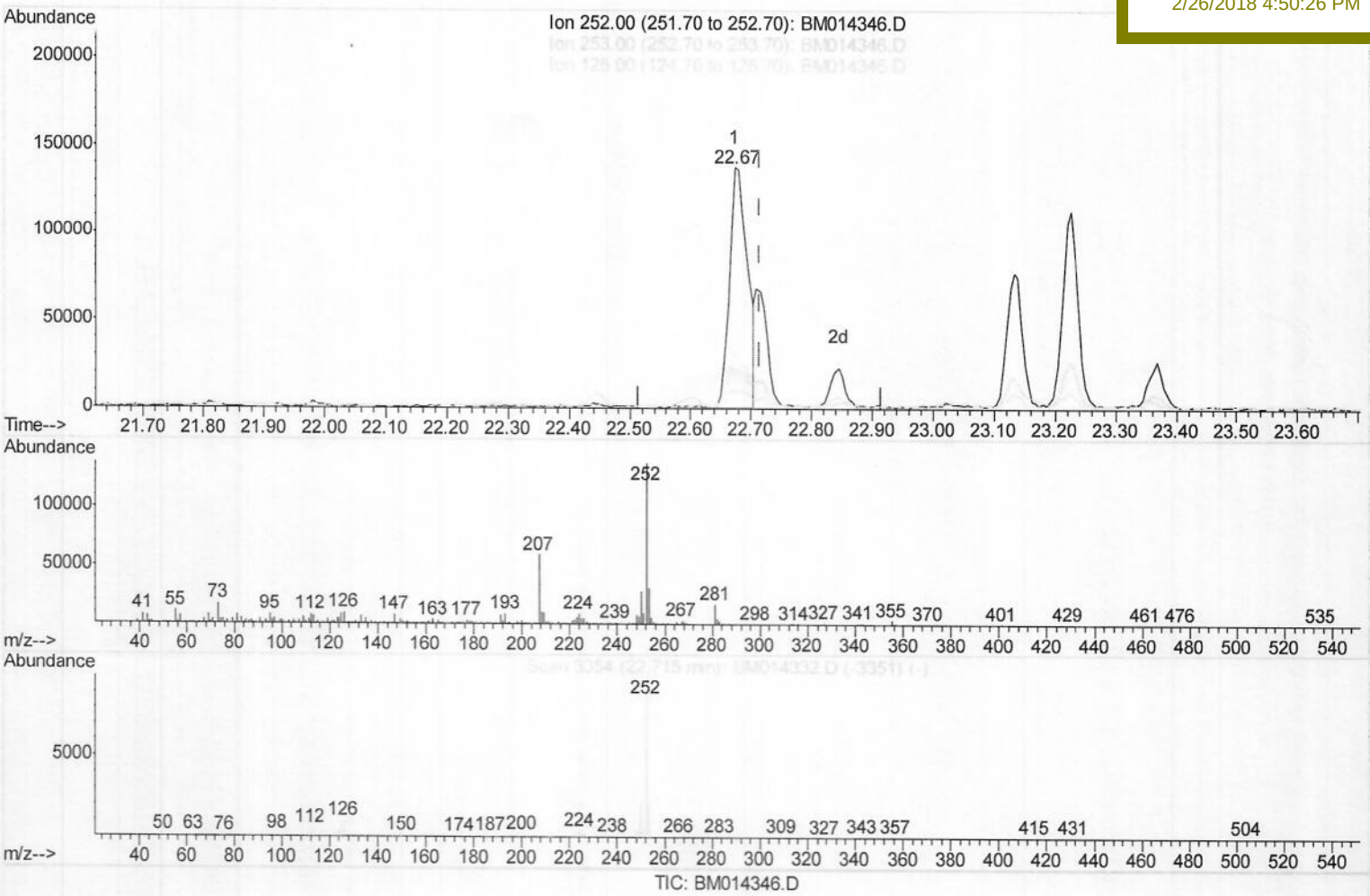
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:50:34 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

(86) Benzo(k)fluoranthene

22.674min (-0.041) 7.85ng/ul

response 281785

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.63
125.00	4.30	6.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : BM014346.D
Acq On : 24 Feb 2018 00:19
Operator : SJ/JU
Sample : J1631-10 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 24 01:50:34 2018
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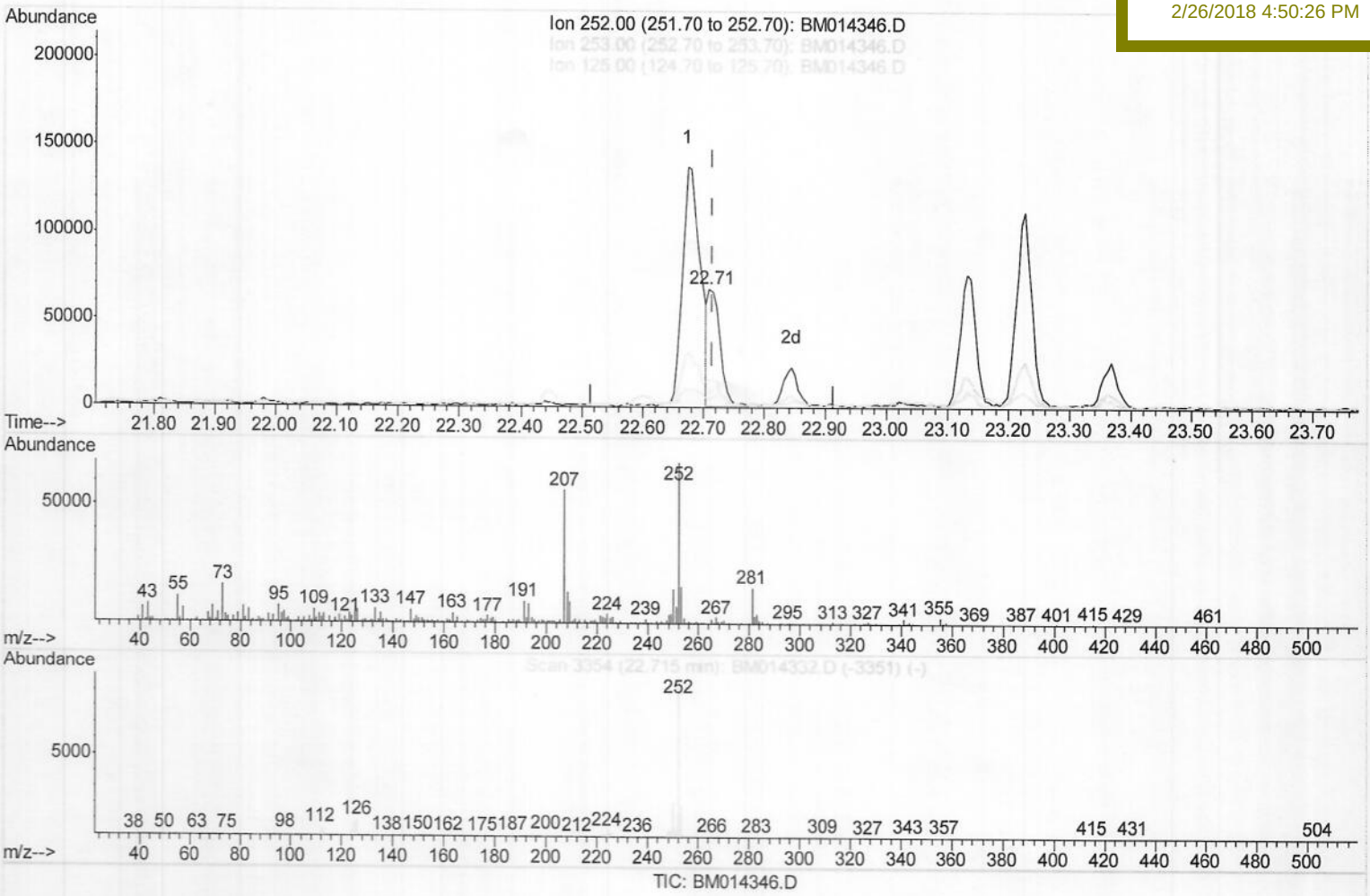
BNA_M
ClientSampleId :
BE5Z1

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM



TIC: BM014346.D

(86) Benzo(k)fluoranthene

22.709min (-0.006) 2.65ng/ul m → SJ
02/28/18

response 95260

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.41
125.00	4.30	7.82#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
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Manual Integrations APPROVED
Sohil
2/26/2018 4:50:26 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	144583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	660713	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	392387	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	835492	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	673993	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	564025	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.10	96	2146m	0.64	ng/uL	0.00
5) Phenol-d5	6.73	99	32708m	2.68	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	18384	2.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	27188	2.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	22464	2.10	ng/ul	0.02
19) Nitrobenzene-d5	8.70	128	13694	2.80	ng/ul	0.02
22) 2-Nitrophenol-d4	9.41	143	14967	2.96	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.97	165	25296m	2.42	ng/ul	0.04
29) 4-Chloroaniline-d4	10.50	131	17341m	1.68	ng/ul	0.05
43) Dimethylphthalate-d6	13.60	166	110023	3.40	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	137506	3.44	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	138	0.03	ng/ul	0.08
57) Fluorene-d10	15.19	176	95751	3.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	7133m	1.42	ng/ul	0.02
70) Anthracene-d10	17.04	188	142709	3.54	ng/ul	0.00
76) Pyrene-d10	19.34	212	151633	4.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.18	264	104517	3.81	ng/ul	0.00
Target Compounds						Qvalue
44) Dimethylphthalate	13.66	163	63616	1.991	ng/ul#	95
69) Phenanthrene	16.98	178	397718	8.262	ng/ul	99
71) Anthracene	17.08	178	70152	1.449	ng/ul	99
74) Fluoranthene	19.01	202	623748	10.846	ng/ul#	95
77) Pyrene	19.37	202	544864	12.164	ng/ul#	94
80) Benzo(a)anthracene	21.13	228	264611	6.291	ng/ul	97
82) Chrysene	21.19	228	236812	6.035	ng/ul	97
85) Benzo(b)fluoranthene	22.67	252	281785	7.461	ng/ul#	99
86) Benzo(k)fluoranthene	22.71	252	95260m	2.653	ng/ul	
88) Benzo(a)pyrene	23.23	252	191590	5.677	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.48	276	132041	4.032	ng/ul#	94
90) Dibenzo(a,h)anthracene	25.47	278	35837	1.317	ng/ul#	69
91) Benzo(g,h,i)perylene	26.13	276	104399	3.935	ng/ul#	96

SJ 03/08/18

SJ 03/08/18

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