Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

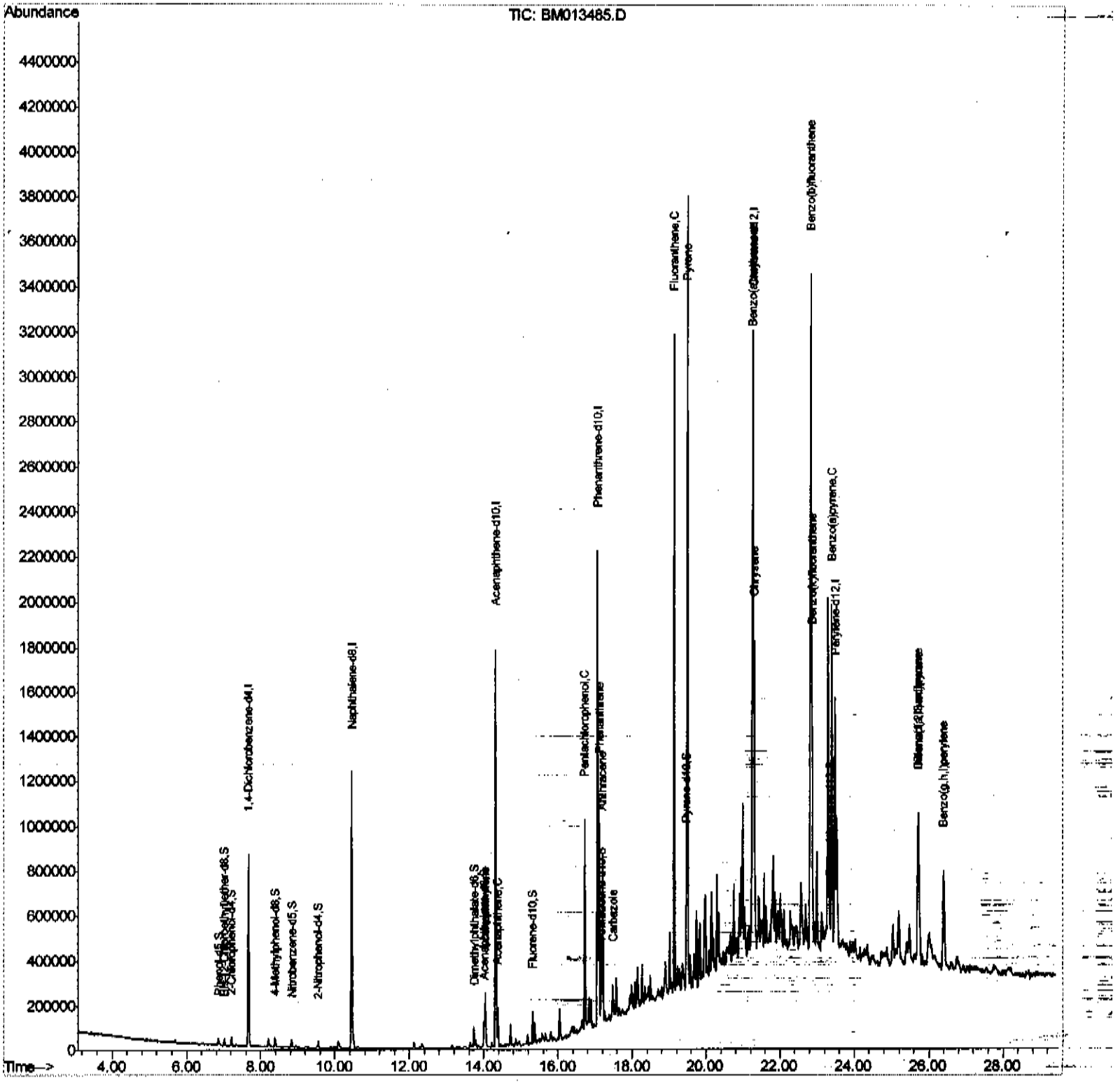
Quantitation Report (QT Reviewed)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:49:32 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

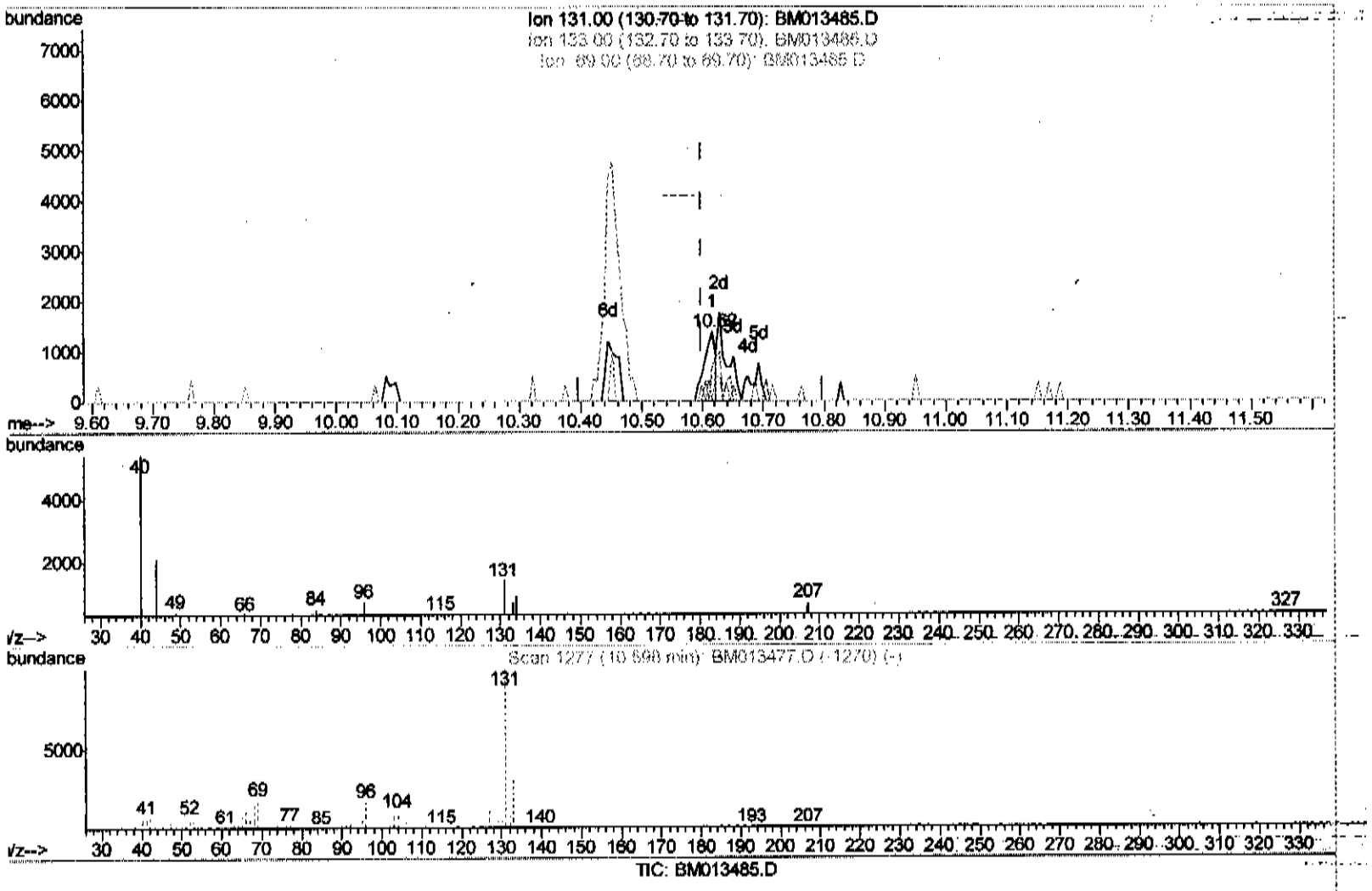
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:15:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



TIC: BM013485.D

(29) 4-Chloroaniline-d4 (S)

10.616min (+0.018) 0.12ng/ul

response 1822

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	49.89#
69.00	24.30	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

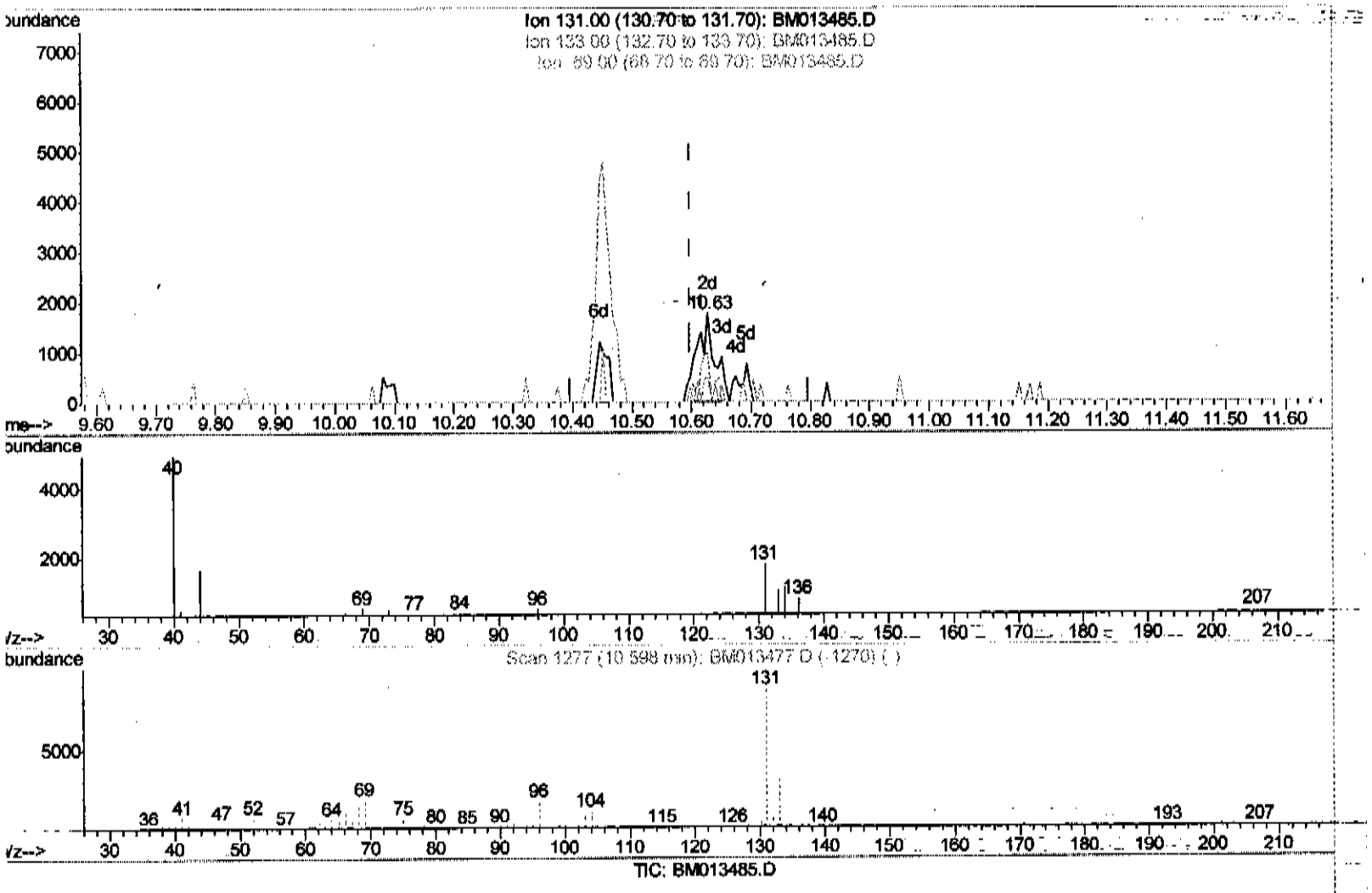
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:15:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



(29) 4-Chloroaniline-d4 (S)

10.628min (+0.029) 0.23ng/ul m SJ 12/18/17

response 3691

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	55.99#
69.00	24.30	27.71
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

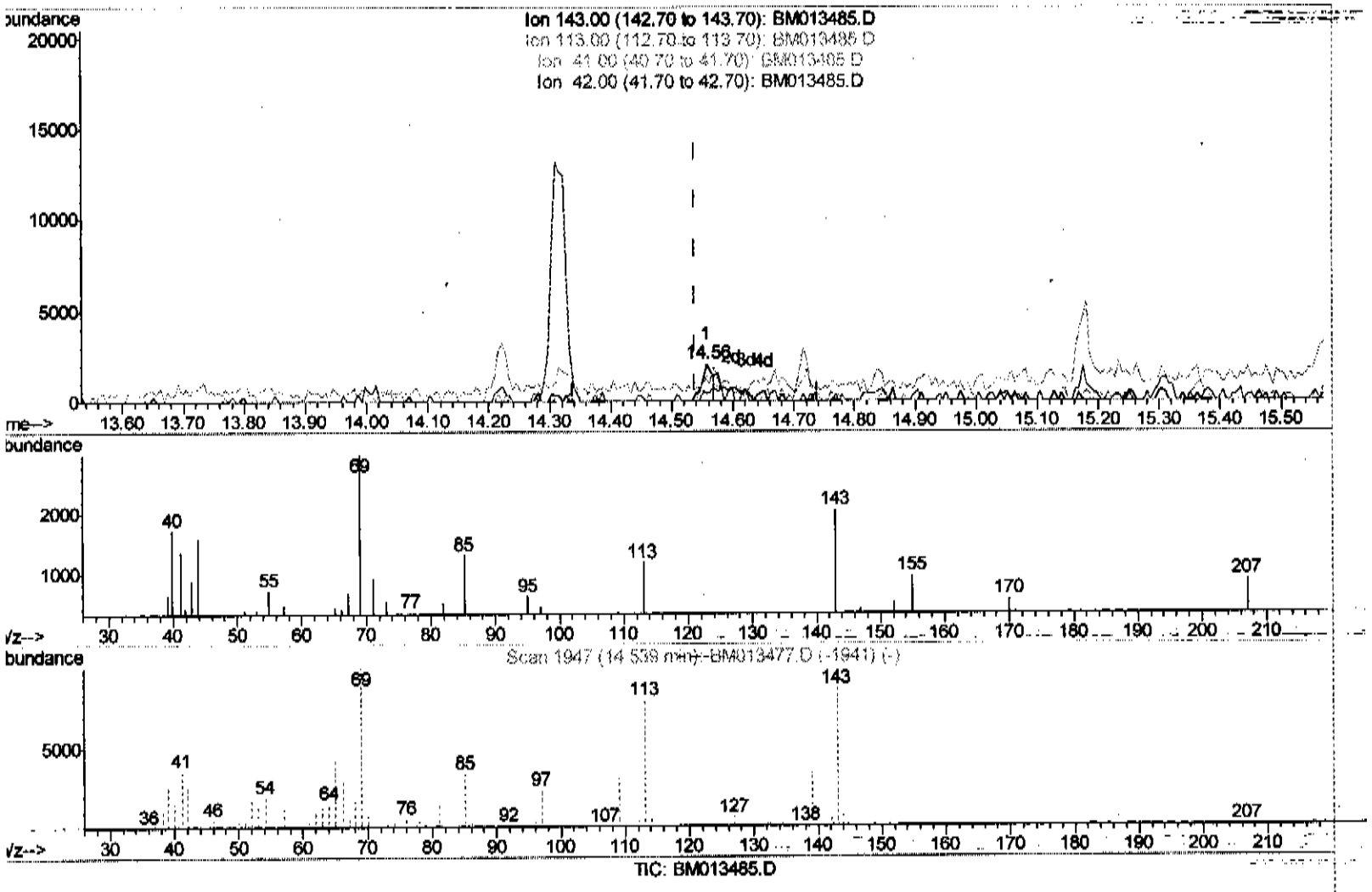
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:15:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



(51) 4-Nitrophenol-d4 (S)

14.557min (+0.018) 0.29ng/ul

response 2543

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	57.40#
41.00	34.80	66.68#
42.00	20.50	19.54

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

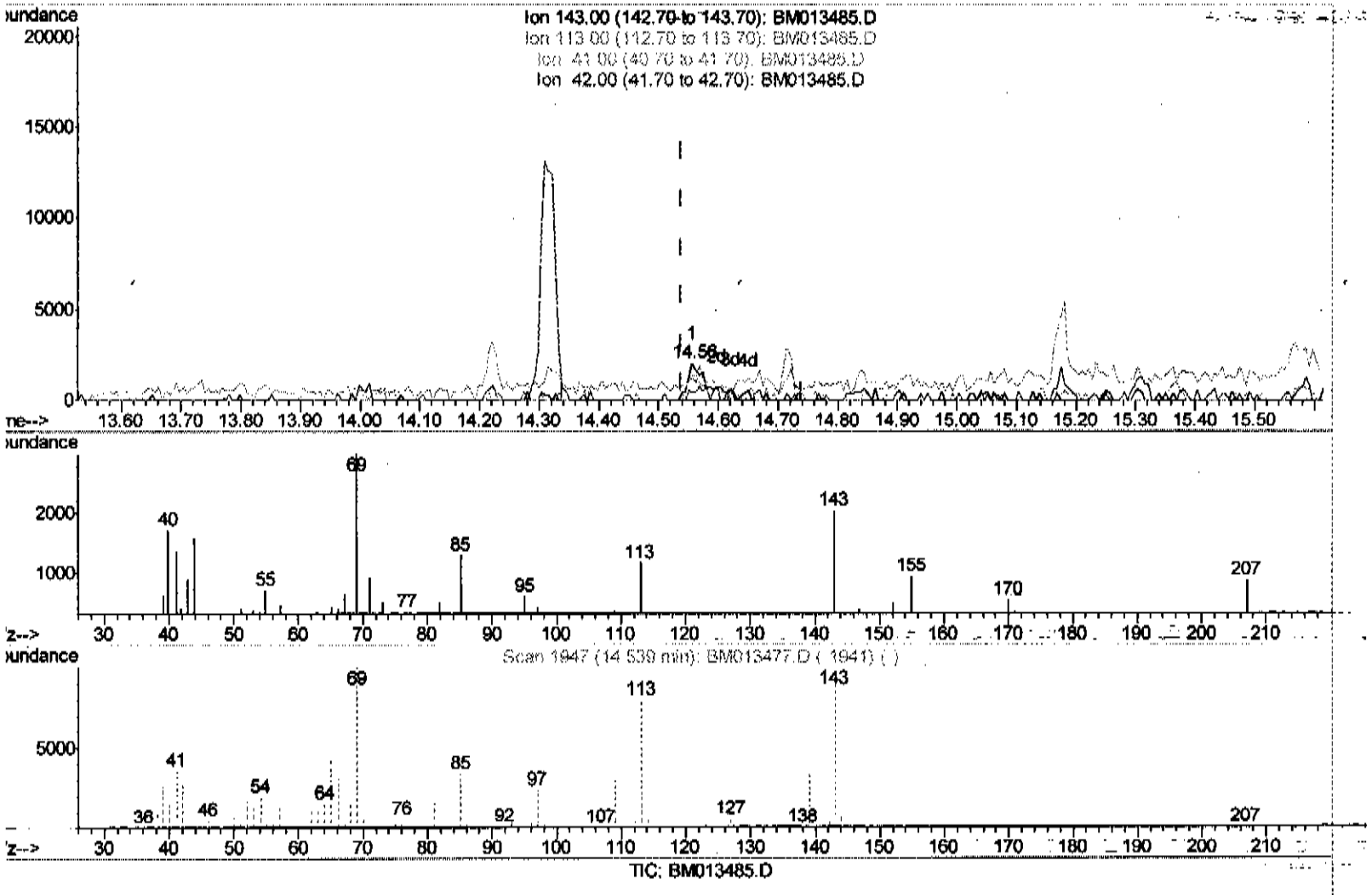
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:15:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



(51) 4-Nitrophenol-d4 (S)

14.557min (+0.018) 0.52ng/ul m

response 4599

SJ 12/18/17

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	57.40#
41.00	34.80	66.68#
42.00	20.50	19.54

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

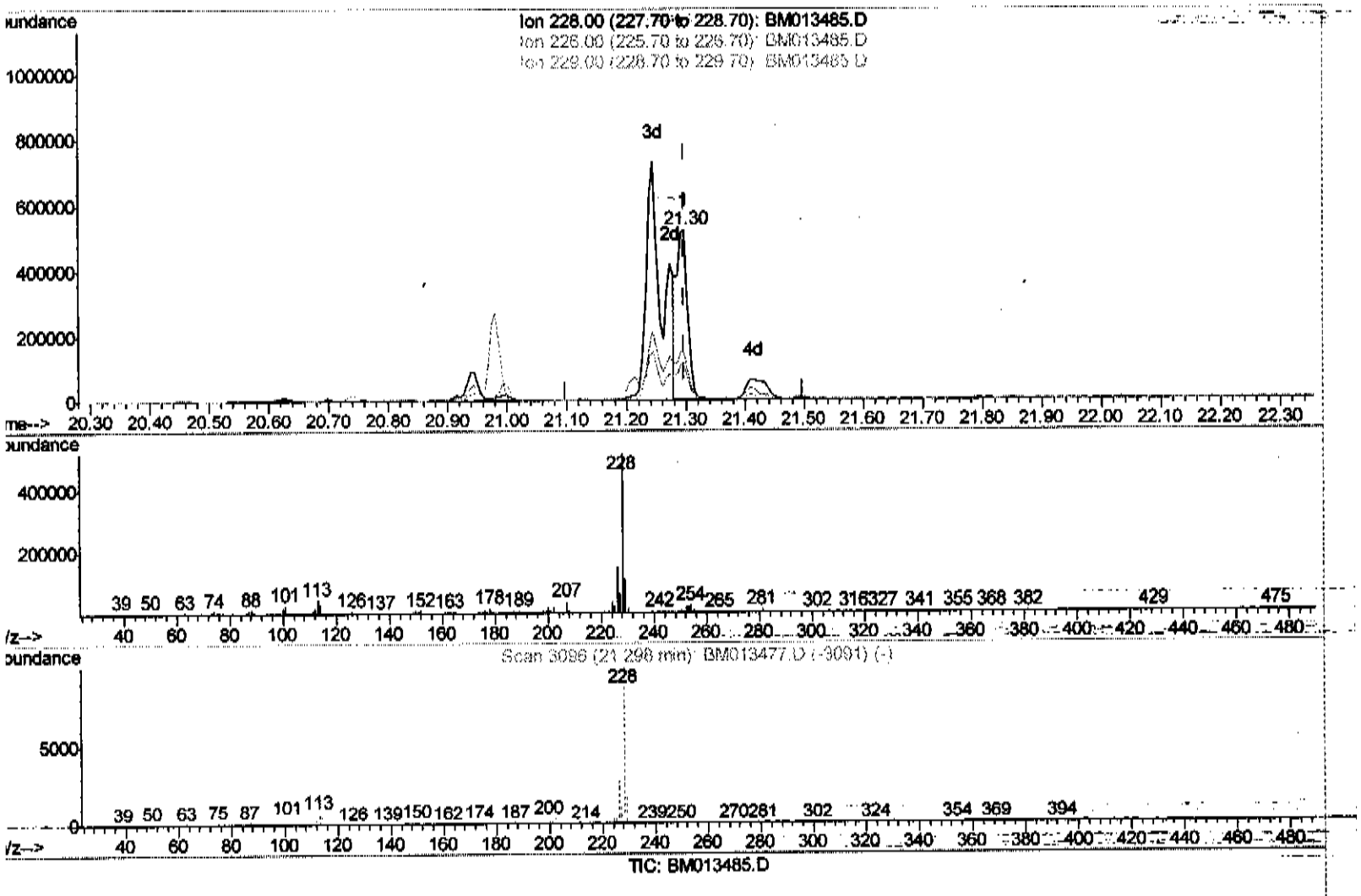
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:15:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



(82) Chrysene

21.297min (-0.000) 11.50ng/ul

response 654295

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	28.49
229.00	19.40	20.77
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

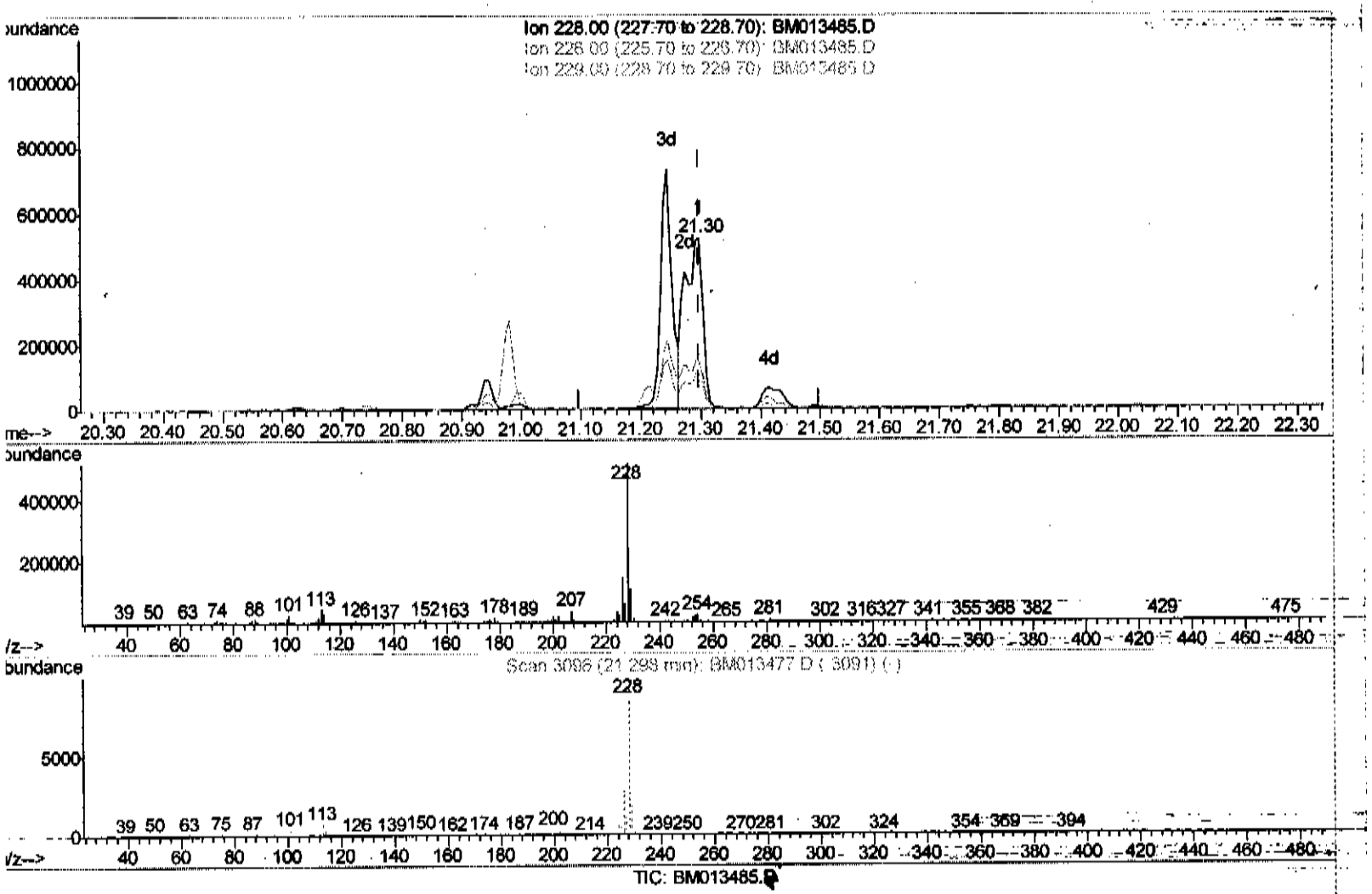
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:15:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



(82) Chrysene

SJ 12/18/17

21.297min (-0.000) 18.71ng/ul m

response 1064661

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	28.49
229.00	19.40	20.77
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

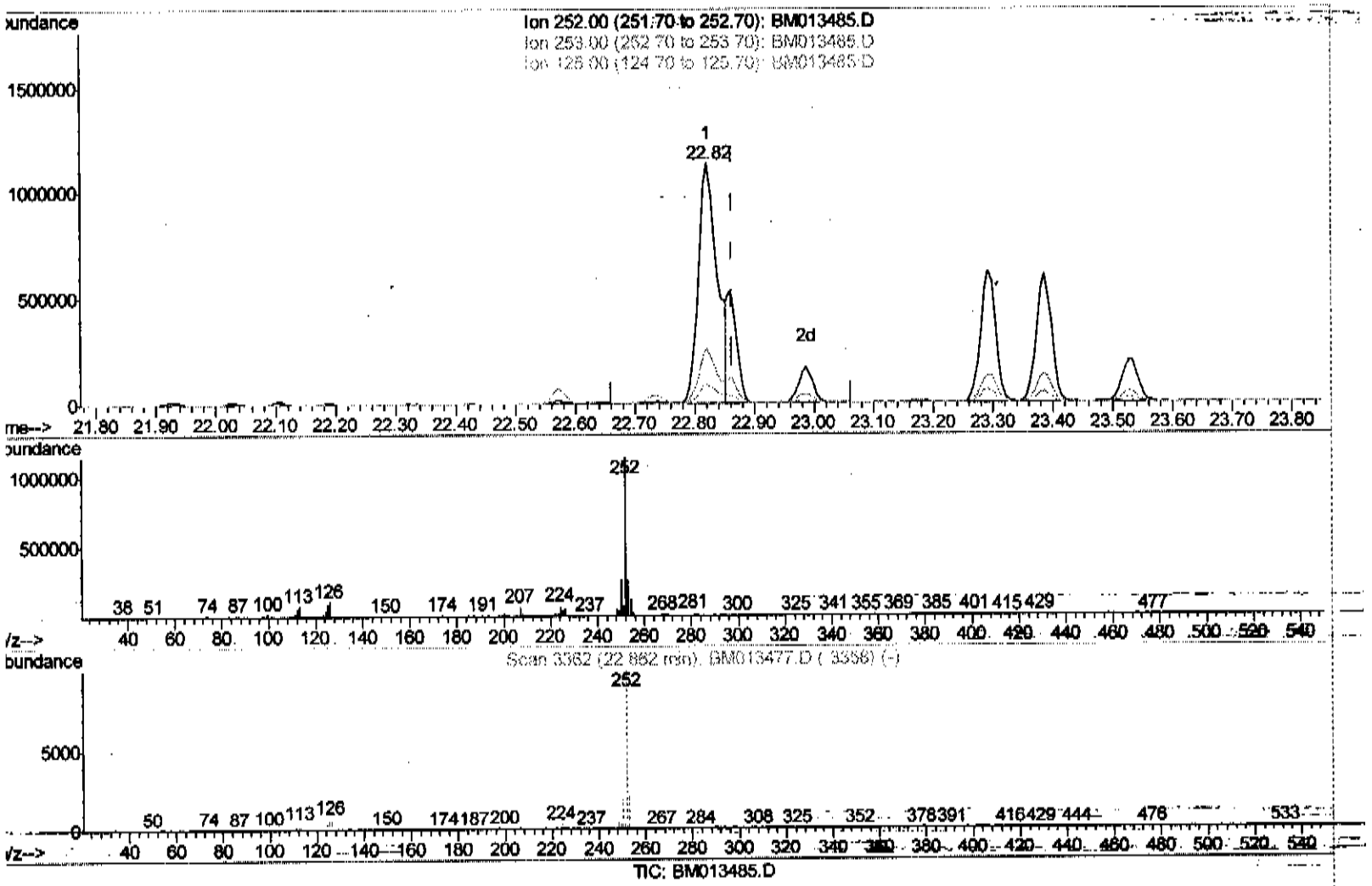
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:15:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



(86) Benzo(k)fluoranthene

22.821min (-0.041) 46.73ng/ul

response 2442260

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.76
125.00	4.30	7.68#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

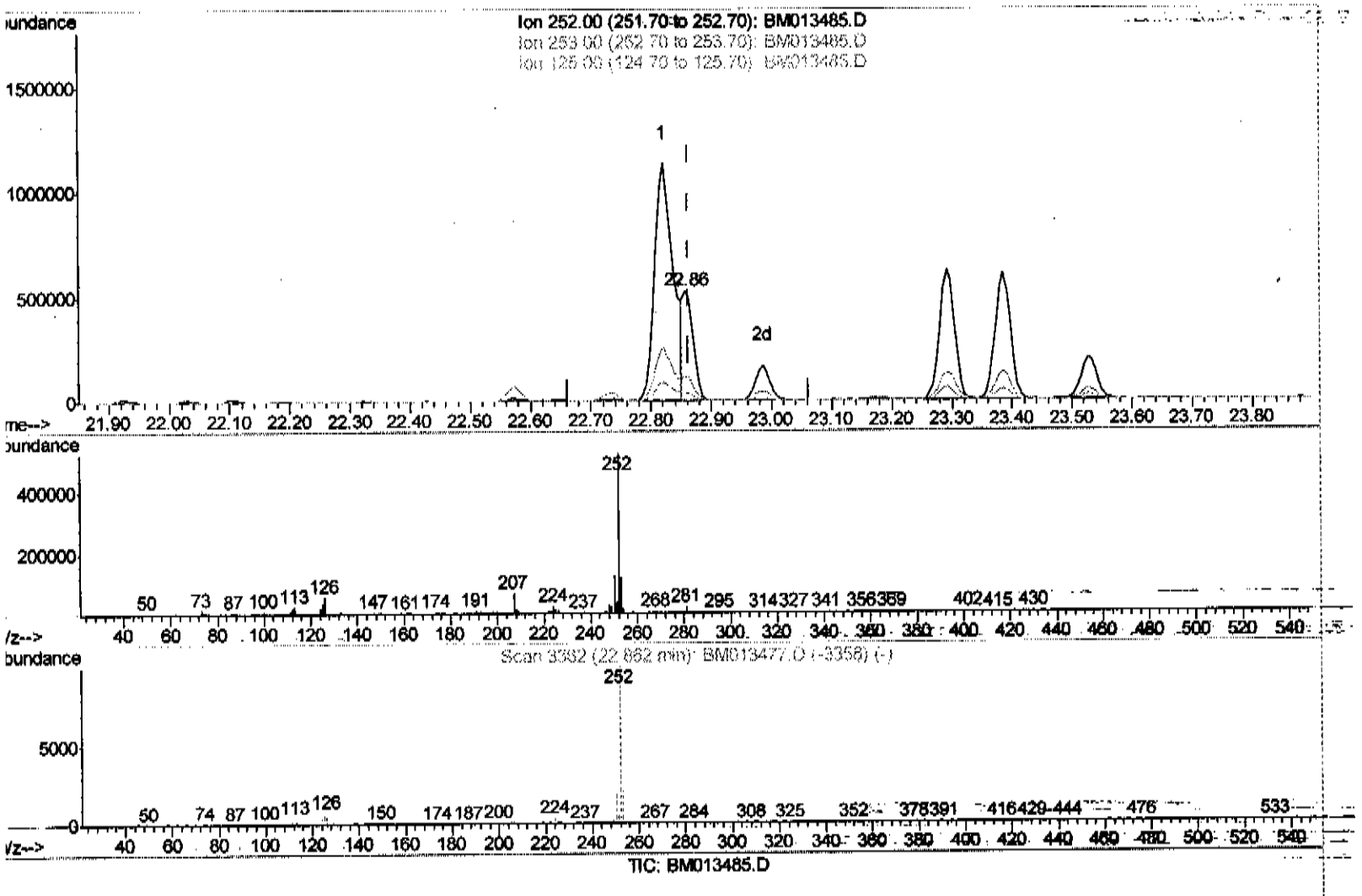
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:15:10 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



(86) Benzo(k)fluoranthene

22.856min (-0.006) 11.42ng/ul m SJ 12/18/17

response 596885

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.72
125.00	4.30	7.15#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

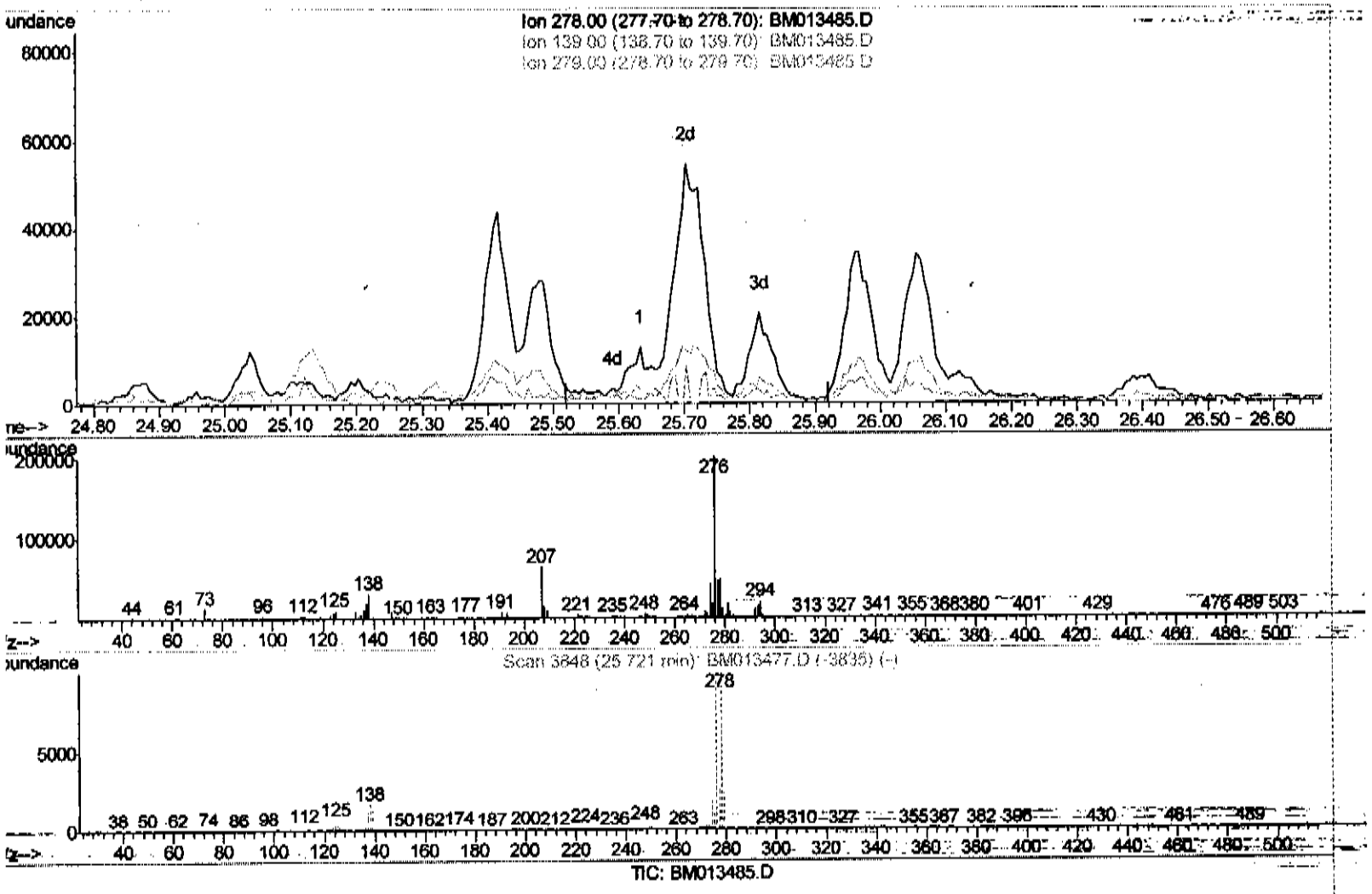
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:48:56 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



(90) Dibenzo(a,h)anthracene

25.721min (-25.721) 0.00ng/ul d

response 0

Ion	Exp%	Act%
278.00	100	0.00
139.00	7.30	0.00
279.00	23.20	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

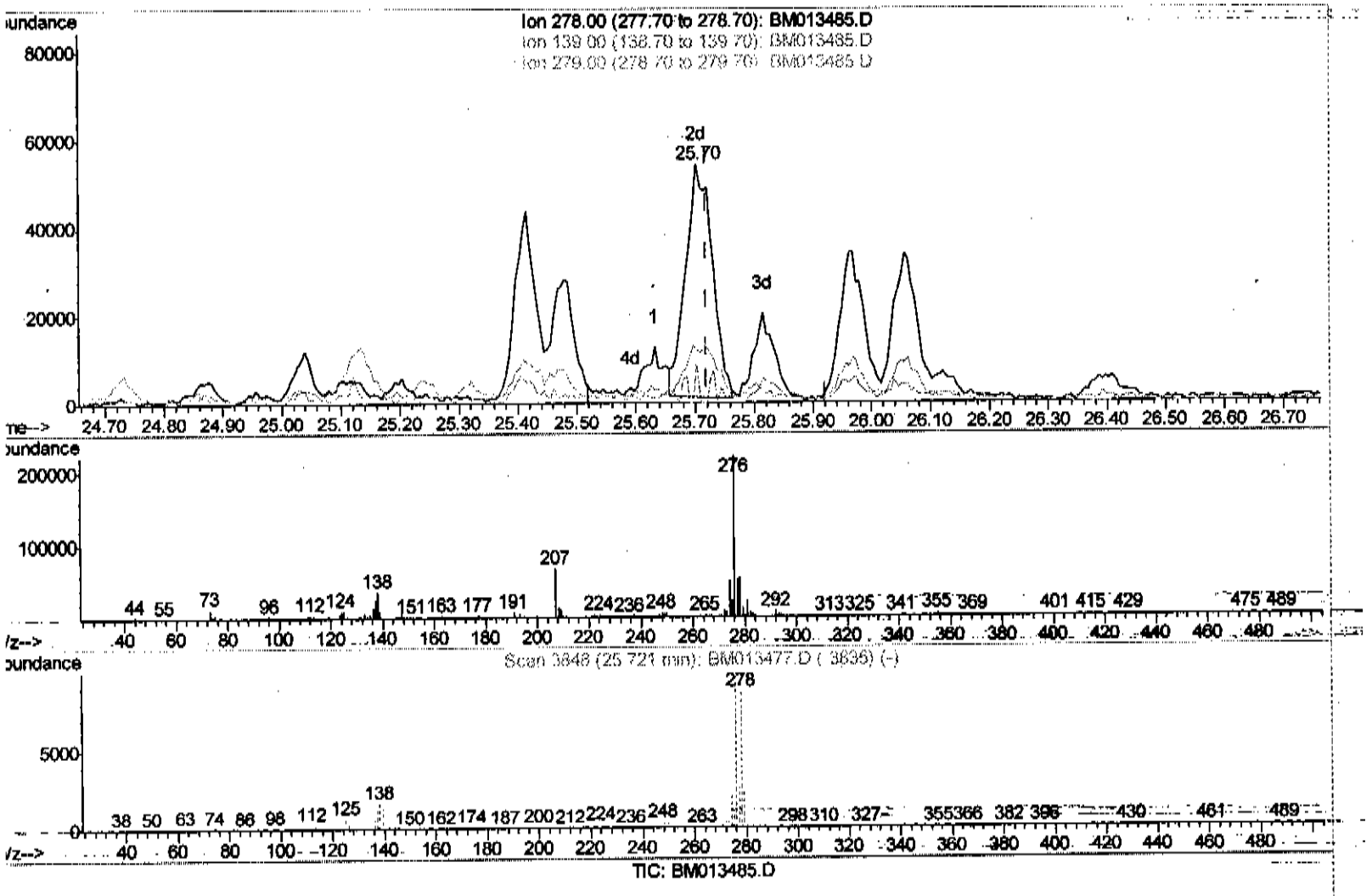
Quantitation Report (Qedit)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 18 03:48:56 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM



(90) Dibenzo(a,h)anthracene

25.703min (-0.018) 3.92ng/ul m

response 165344

SJ 12/18/17

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	16.44#
279.00	23.20	22.18
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

Quantitation Report (QT Reviewed)

Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A47DL

Manual Integrations APPROVED
Sohil
12/18/2017 2:11:02 PM

Quant Time: Dec 18 03:49:32 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	224579	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	983997	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	569950	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1185384	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	966549	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	823875	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	1259	0.28	ng/uL	0.00
5) Phenol-d5	6.86	99	19446	1.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	13042	1.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	17058	1.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	17092	1.03	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	9789	1.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	9660	1.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	17030	0.99	ng/ul	0.02
29) 4-Chloroaniline-d4	10.63	131	3691m	0.23	ng/ul	0.03
43) Dimethylphthalate-d6	13.73	166	60049	1.18	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	78700	1.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	4599m	0.52	ng/ul	0.02
57) Fluorene-d10	15.31	176	54336	1.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	3112	0.42	ng/ul	0.00
70) Anthracene-d10	17.16	188	80898	1.36	ng/ul	0.00
76) Pyrene-d10	19.46	212	77969	1.62	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	52140	1.24	ng/ul	0.00
Target Compounds						Qvalue
47) Acenaphthylene	14.04	152	195993	3.38	ng/ul	99
49) Acenaphthene	14.38	153	70638	1.79	ng/ul	96
68) Pentachlorophenol	16.72	266	145332	16.35	ng/ul	99
69) Phenanthrene	17.11	178	604437	8.98	ng/ul	100
71) Anthracene	17.20	178	465248	6.76	ng/ul	99
72) Carbazole	17.47	167	67633	1.14	ng/ul	98
74) Fluoranthene	19.13	202	1689759	20.47	ng/ul#	92
77) Pyrene	19.49	202	2107244	35.89	ng/ul#	91
80) Benzo(a)anthracene	21.24	228	972844	15.86	ng/ul	96
82) Chrysene	21.30	228	1064661m	18.71	ng/ul	
85) Benzo(b)fluoranthene	22.82	252	2442260	43.97	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	596885m	11.42	ng/ul	
88) Benzo(a)pyrene	23.39	252	1077028	21.59	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.71	276	654032	13.21	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.70	278	165344m	3.92	ng/ul	
91) Benzo(g,h,i)perylene	26.39	276	548765	14.05	ng/ul#	95

SJ 12/18/17
SJ 12/18/17
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SJ 12/18/17
SJ 12/18/17

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