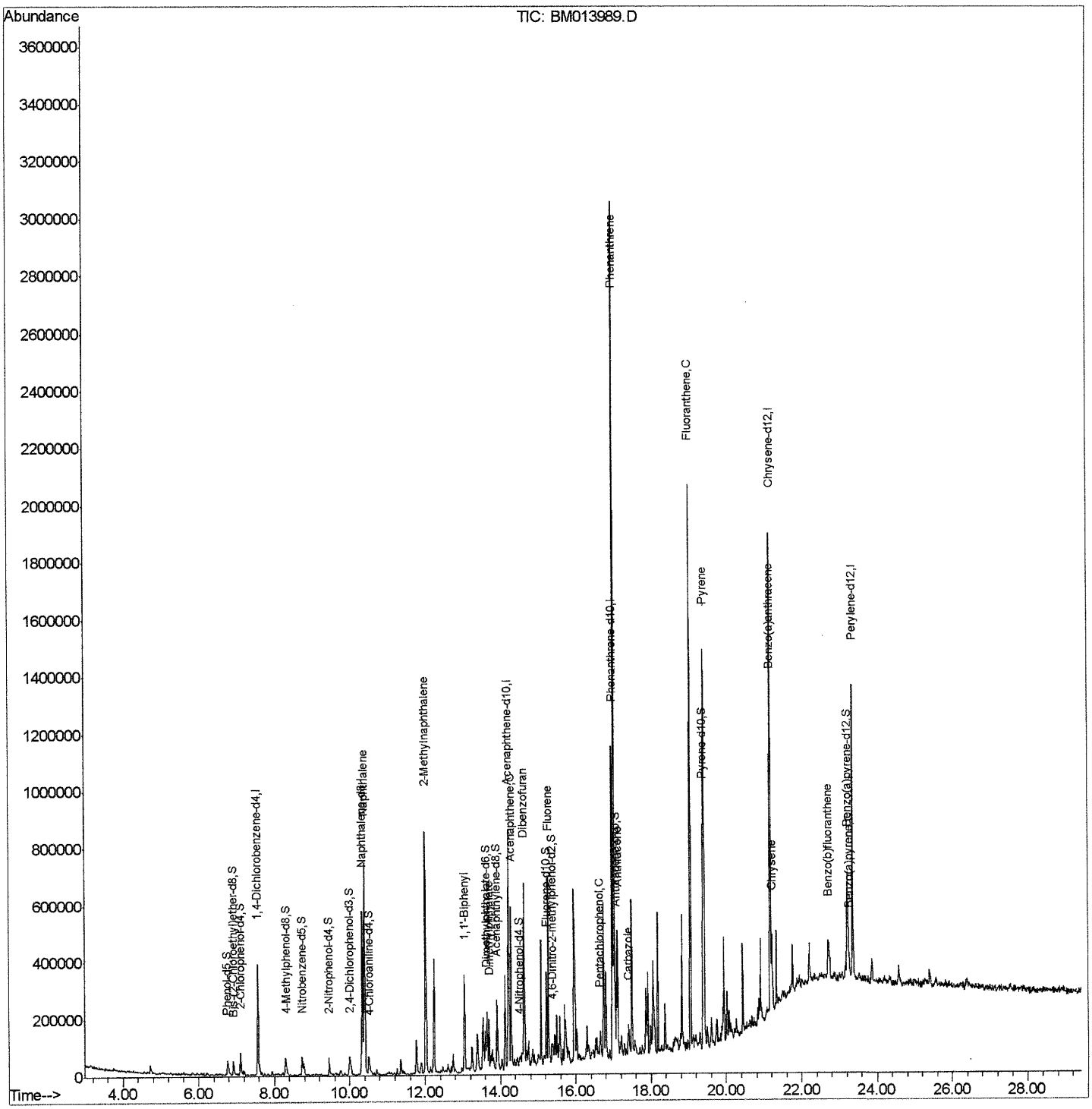
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 30 10:38:46 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM



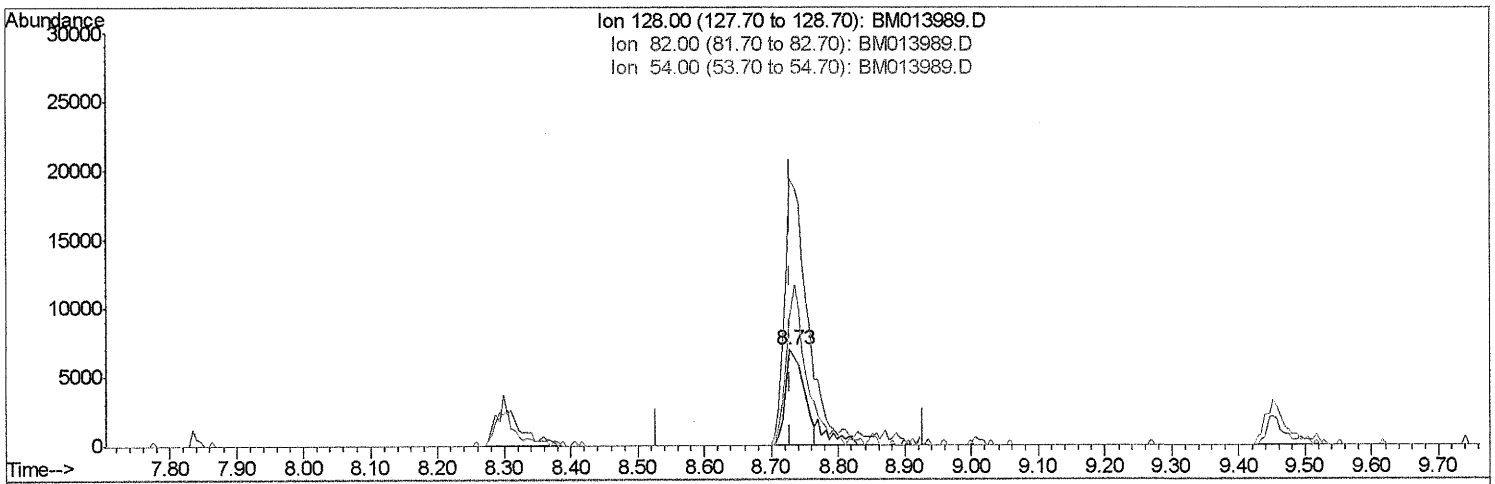
Quantitation Report (Qedit)

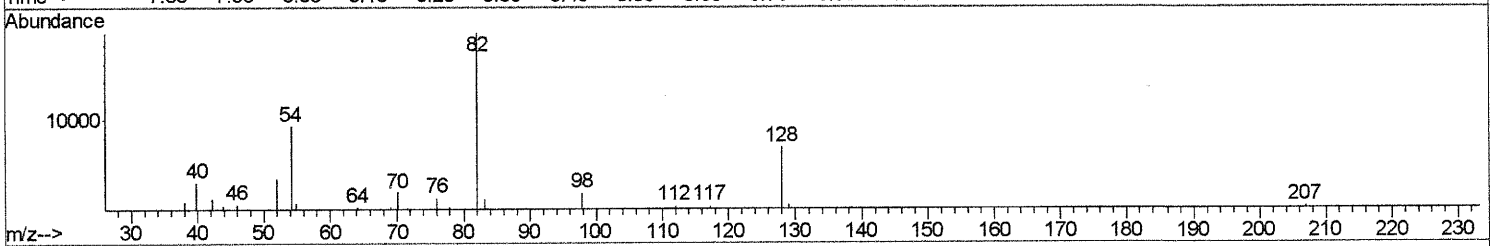
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

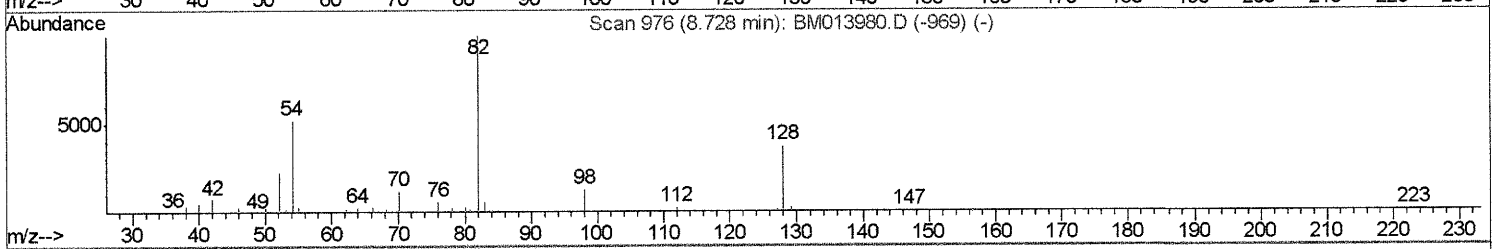
Quant Time: Jan 30 10:34:32 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM







TIC: BM013989.D

(19) Nitrobenzene-d5 (S)

8.728min (+0.000) 4.36ng/ul

response 13503

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	278.64
54.00	142.70	133.88
0.00	0.00	0.00

Quantitation Report (Qedit)

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Quant Title : SVOA CALIBRATION
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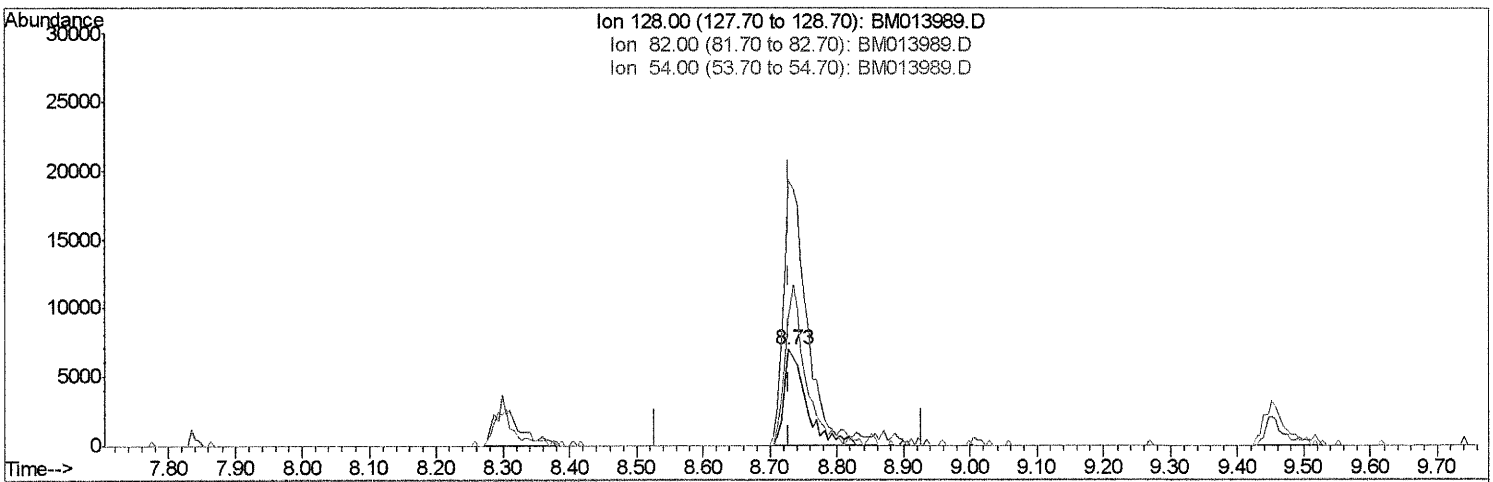
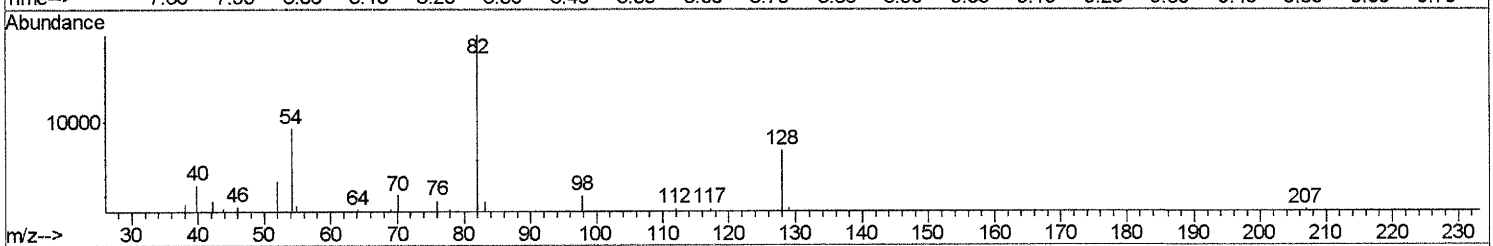
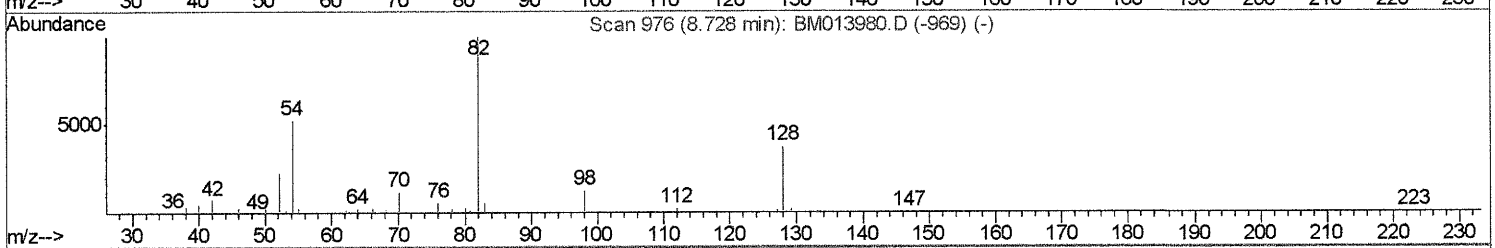
Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM







TIC: BM013989.D

(19) Nitrobenzene-d5 (S)

8.728min (+0.000) 5.09ng/ul m) SJ 2/6/18

response 15765

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	278.64
54.00	142.70	133.88
0.00	0.00	0.00

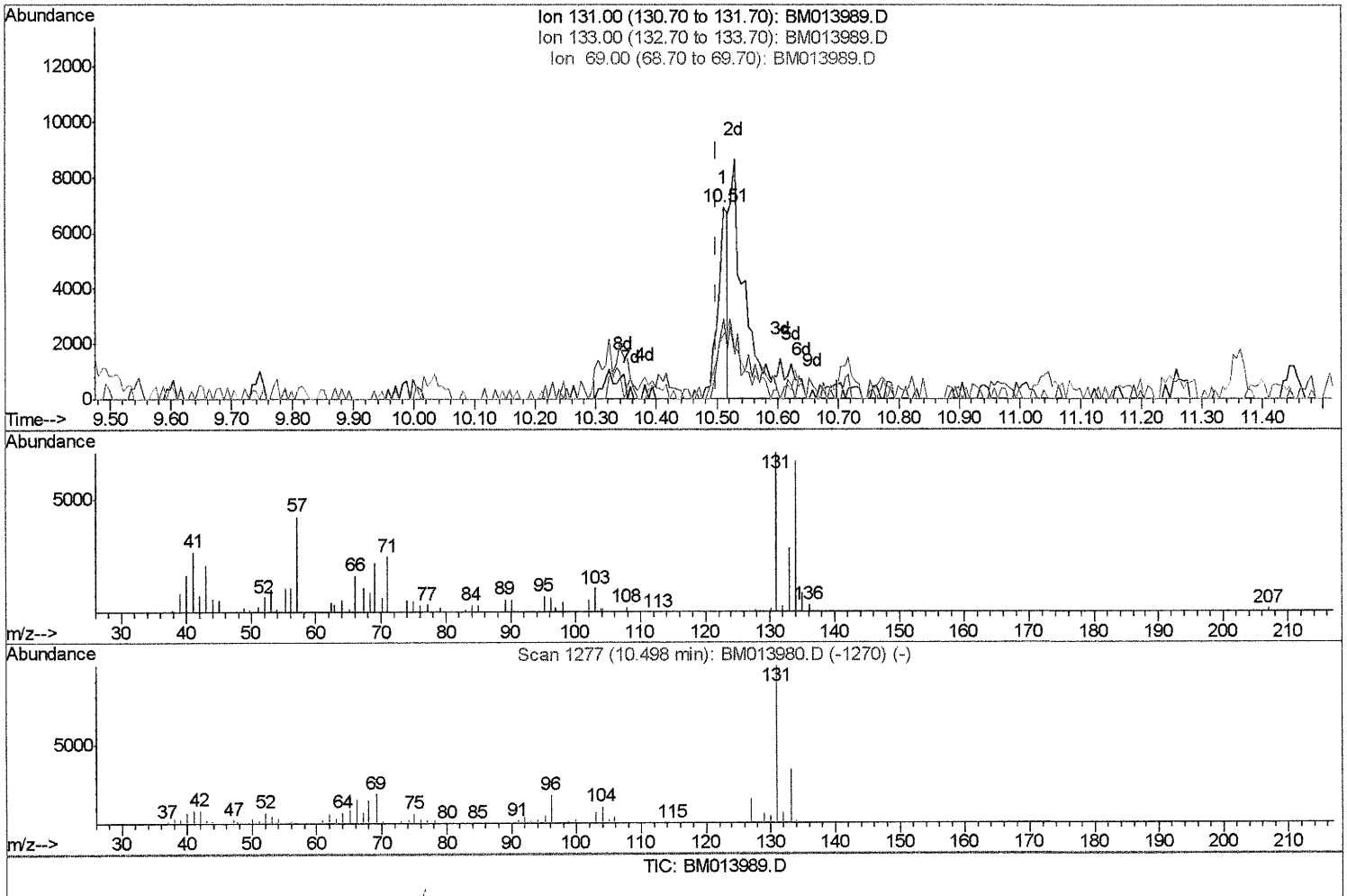
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 30 10:35:59 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM



TIC: BM013989.D

(29) 4-Chloroaniline-d4 (S)

10.510min (+0.012) 1.45ng/ul

response 7964

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	42.11#
69.00	24.30	34.09#
0.00	0.00	0.00

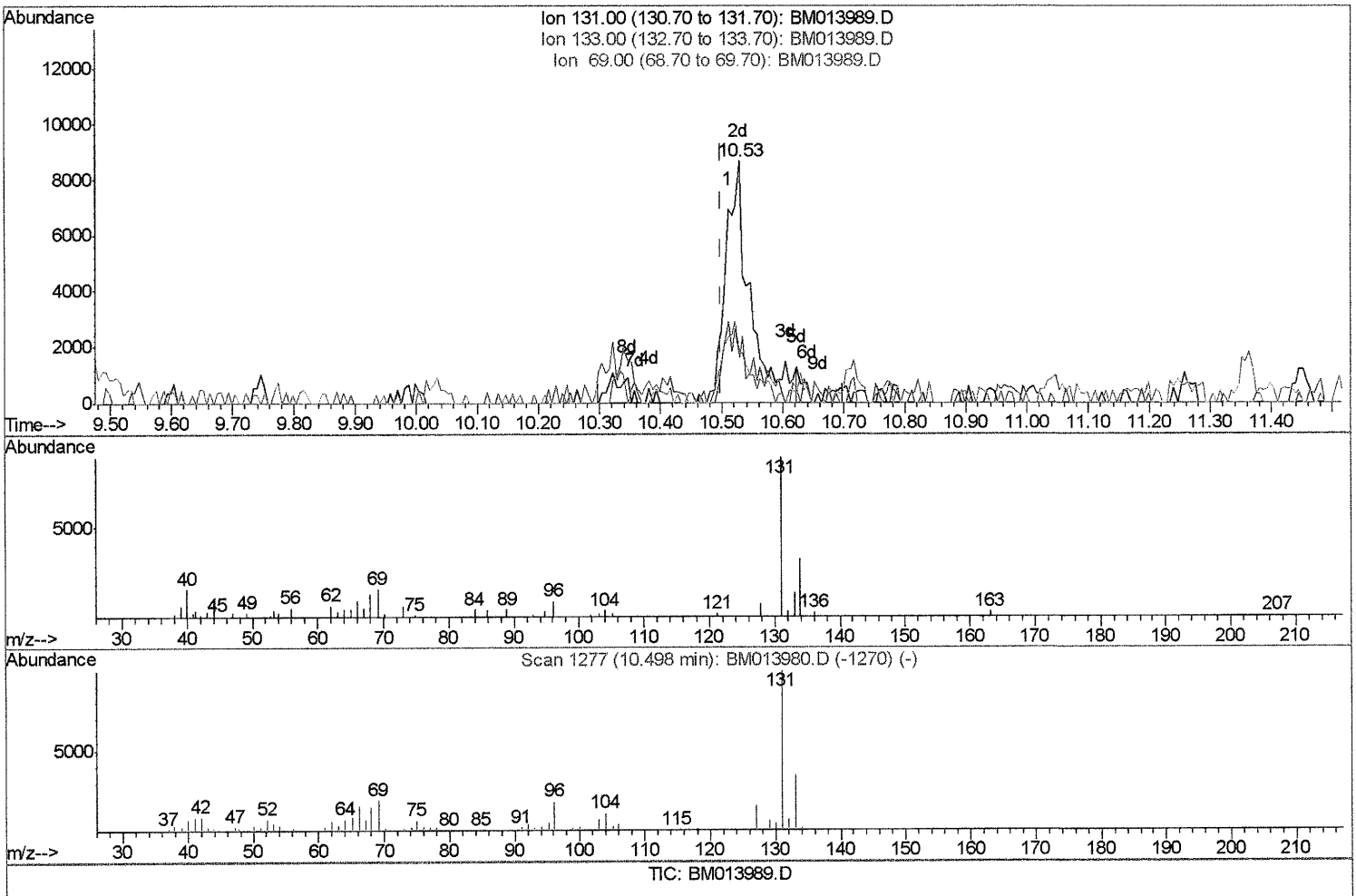
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 30 10:35:59 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM



TIC: BM013989.D

(29) 4-Chloroaniline-d4 (S)

10.528min (+0.030) 4.36ng/ul m SJ 2/8/18

response 23942

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	18.44#
69.00	24.30	20.74
0.00	0.00	0.00

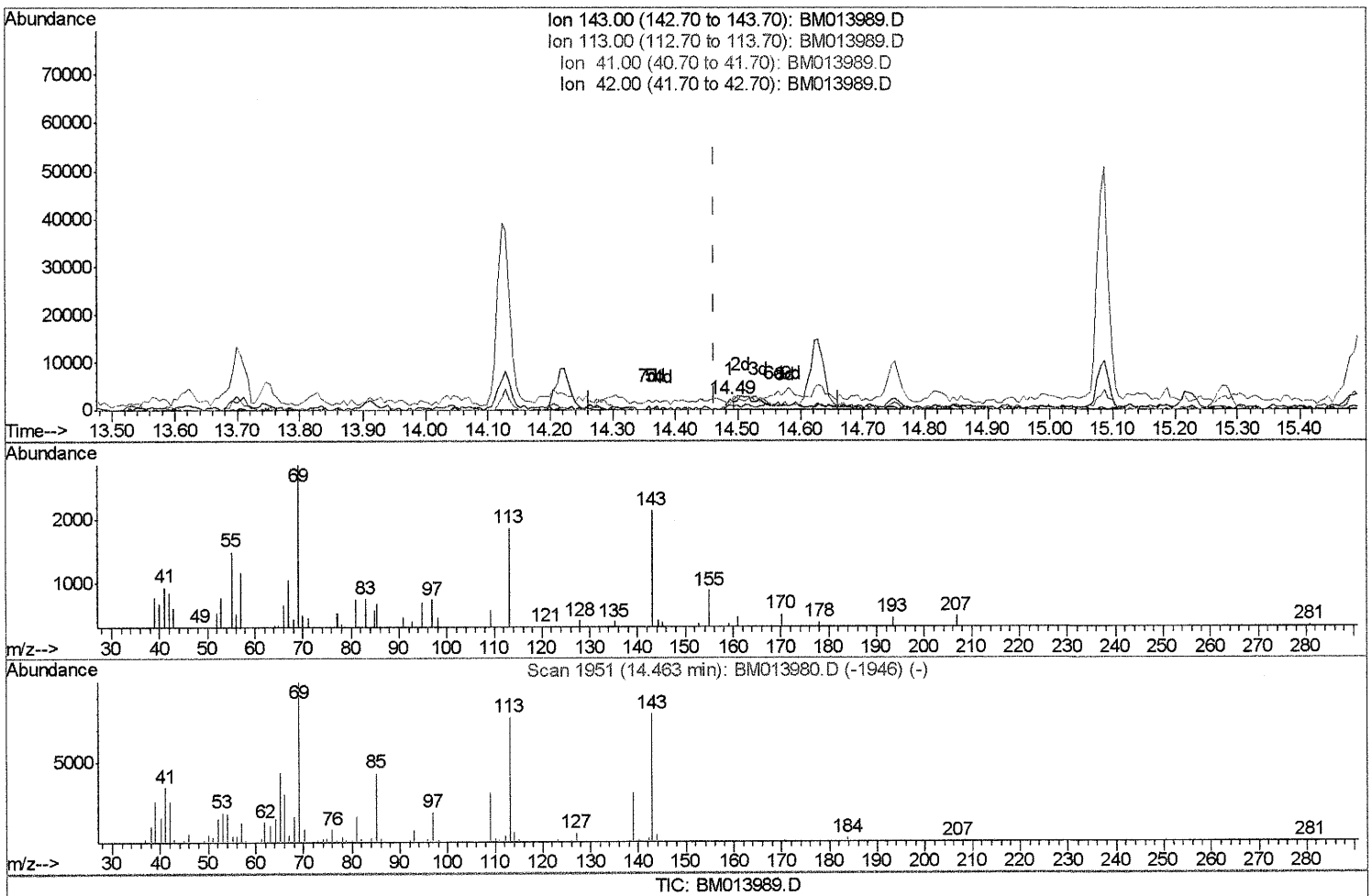
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 30 10:35:59 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM



TIC: BM013989.D

(51) 4-Nitrophenol-d4 (S)

14.486min (+0.024) 0.51ng/ul

response 1727

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	87.17#
41.00	34.80	43.70#
42.00	20.50	39.41#

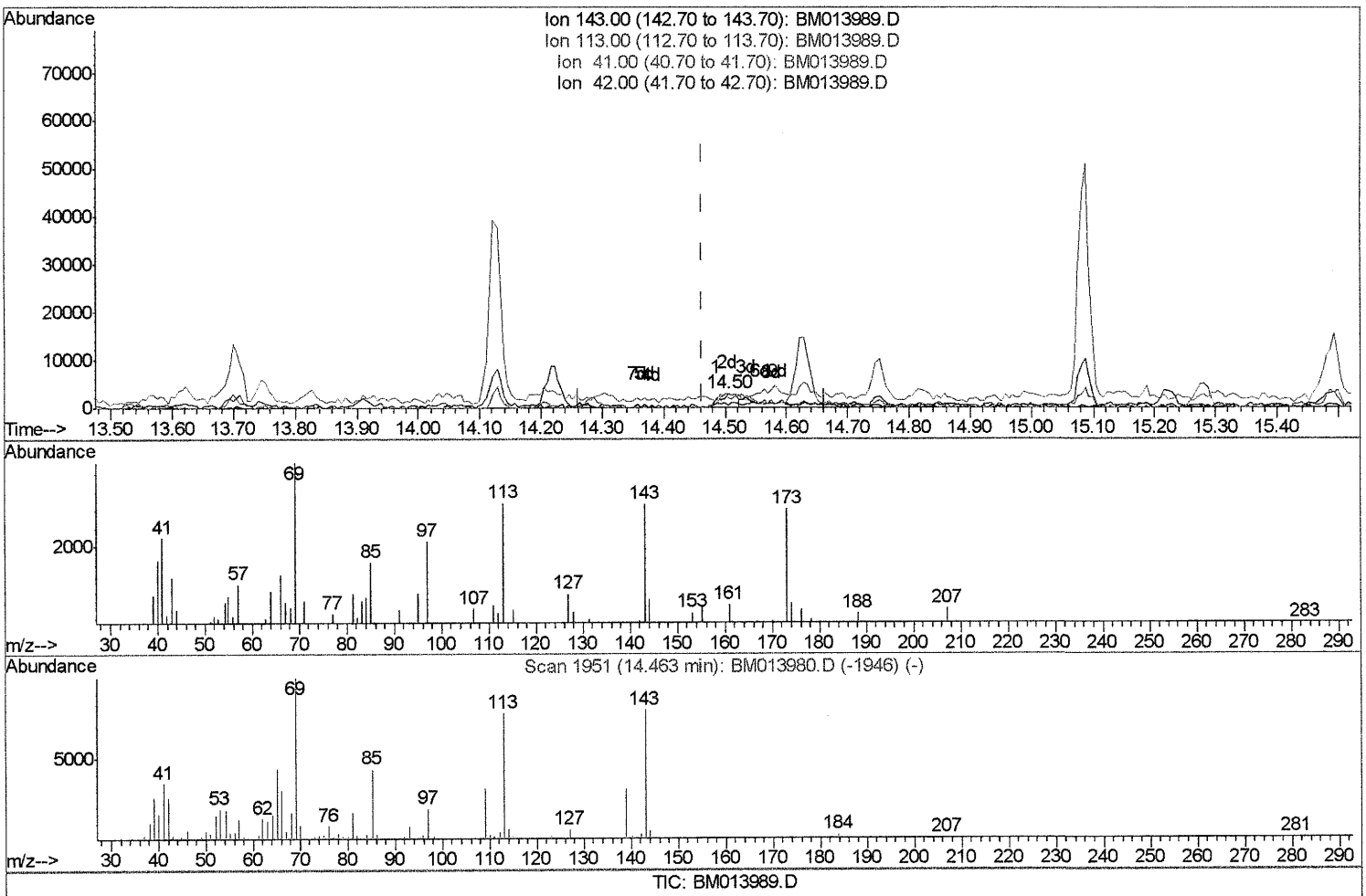
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 30 10:35:59 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM



TIC: BM013989.D

(51) 4-Nitrophenol-d4 (S)

14.504min (+0.041) 1.73ng/ul m) SJ 2/8/18

response 5829

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	100.82
41.00	34.80	74.77#
42.00	20.50	15.95#

Quantitation Report (Qedit)

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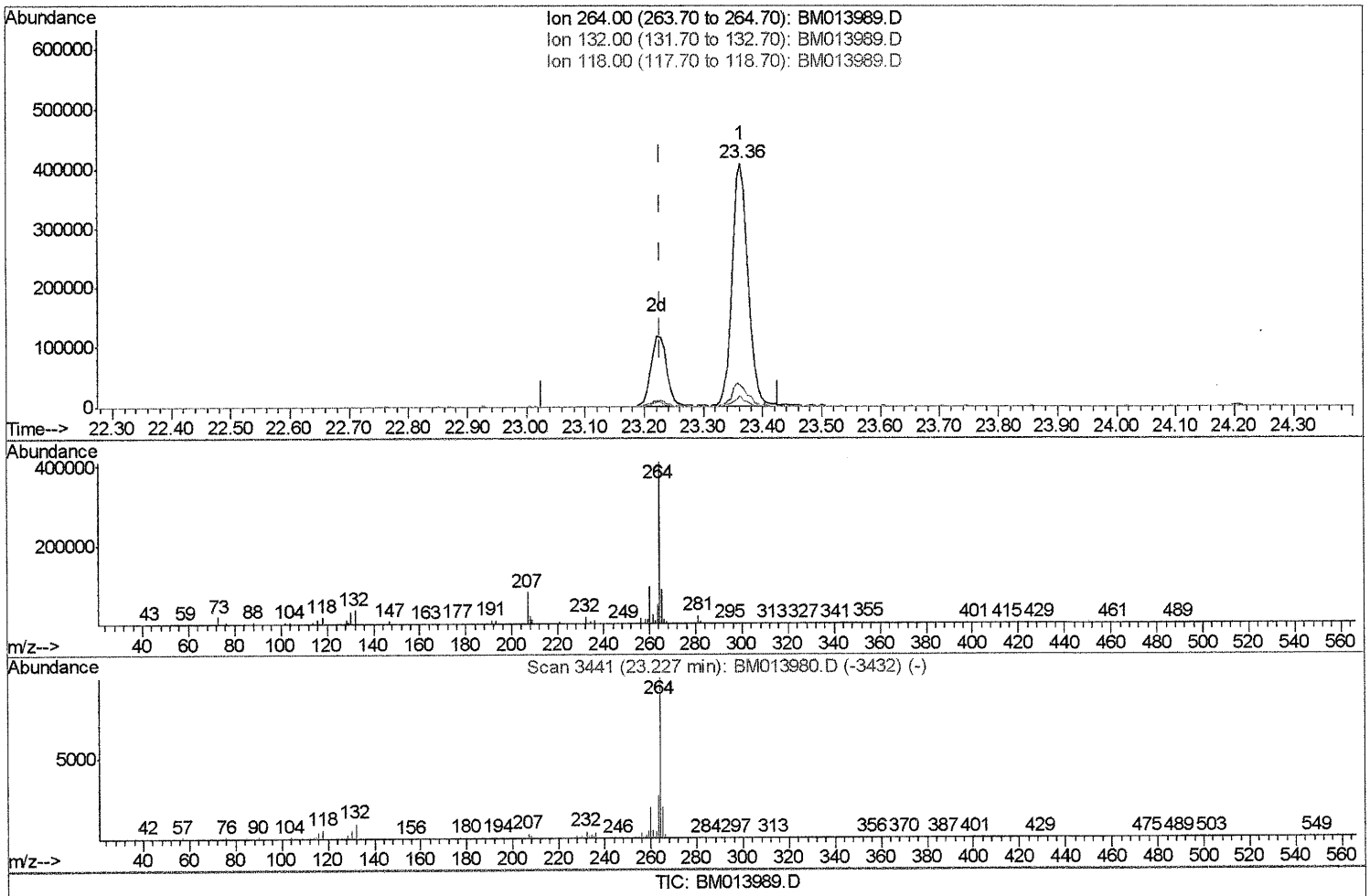
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 30 10:37:36 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM



TIC: BM013989.D

(87) Benzo(a)pyrene-d12 (S)

23.362min (+0.136) 21.60ng/ul

response 774477

Ion	Exp%	Act%
264.00	100	100
132.00	7.70	8.76
118.00	5.30	4.52
0.00	0.00	0.00

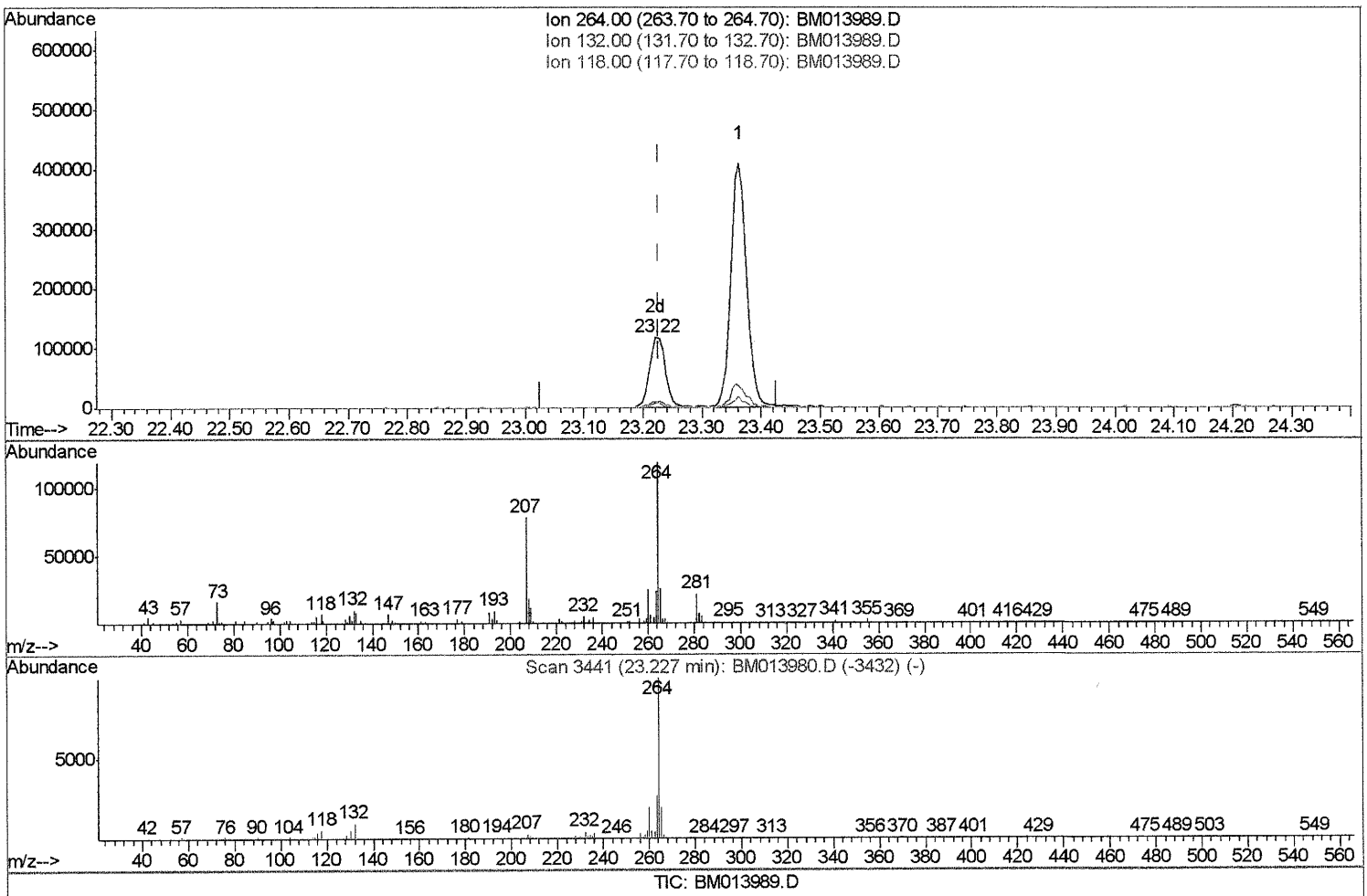
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
Sample : J1233-16DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 30 10:37:36 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM



TIC: BM013989.D

(87) Benzo(a)pyrene-d12 (S)

23.221min (-0.006) 6.16ng/ul m) SJ 2/8/18

response 220991

Ion	Exp%	Act%
264.00	100	100
132.00	7.70	8.61
118.00	5.30	6.38#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Instrument :
BNA_M
ClientSampleId :
F6B20DL

Manual Integrations APPROVED
Sohil
1/30/2018 3:35:04 PM

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013989.D
Acq On : 30 Jan 2018 09:51
Operator : SJ/JU
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Misc :
ALS Vial : 34 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	97175	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	399140	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	251108	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	617906	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	765023	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	780061	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	1923	0.78	ng/uL	0.00
5) Phenol-d5	6.77	99	30944	4.15	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.92	67	22577	4.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	28888	4.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	24677	4.30	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	15765m	5.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	15091	4.61	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	29810	4.72	ng/ul	0.02
29) 4-Chloroaniline-d4	10.53	131	23942m	4.36	ng/ul	0.03
43) Dimethylphthalate-d6	13.64	166	122772	5.93	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	147163	5.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	5829m	1.73	ng/ul	0.04
57) Fluorene-d10	15.22	176	114138	6.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	11984	3.22	ng/ul	0.01
70) Anthracene-d10	17.07	188	187849	6.24	ng/ul	0.00
76) Pyrene-d10	19.38	212	234687	6.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.22	264	220991m	6.16	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.39	128	557851	28.093	ng/ul	100
34) 2-Methylnaphthalene	12.02	142	385794	26.059	ng/ul	96
40) 1,1'-Biphenyl	13.05	154	85296	4.081	ng/ul#	89
44) Dimethylphthalate	13.69	163	41177	2.024	ng/ul	99
49) Acenaphthene	14.29	153	213056	12.740	ng/ul	100
53) Dibenzofuran	14.63	168	353831	14.064	ng/ul	92
58) Fluorene	15.28	166	274226	13.306	ng/ul	98
68) Pentachlorophenol	16.64	266	15169	3.634	ng/ul	96
69) Phenanthrene	17.02	178	1696240	49.386	ng/ul	97
71) Anthracene	17.11	178	260054	7.341	ng/ul	97
72) Carbazole	17.40	167	34560	1.182	ng/ul	95
74) Fluoranthene	19.04	202	1142098	27.857	ng/ul#	95
77) Pyrene	19.41	202	743135	15.979	ng/ul#	97
80) Benzo(a)anthracene	21.16	228	183826	3.977	ng/ul	97
82) Chrysene	21.22	228	151308	3.568	ng/ul	97
85) Benzo(b)fluoranthene	22.72	252	92124	1.923	ng/ul#	90
88) Benzo(a)pyrene	23.27	252	50343	1.112	ng/ul#	98

SJ 2/6/18

SJ 2/6/18

SJ 2/6/18

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