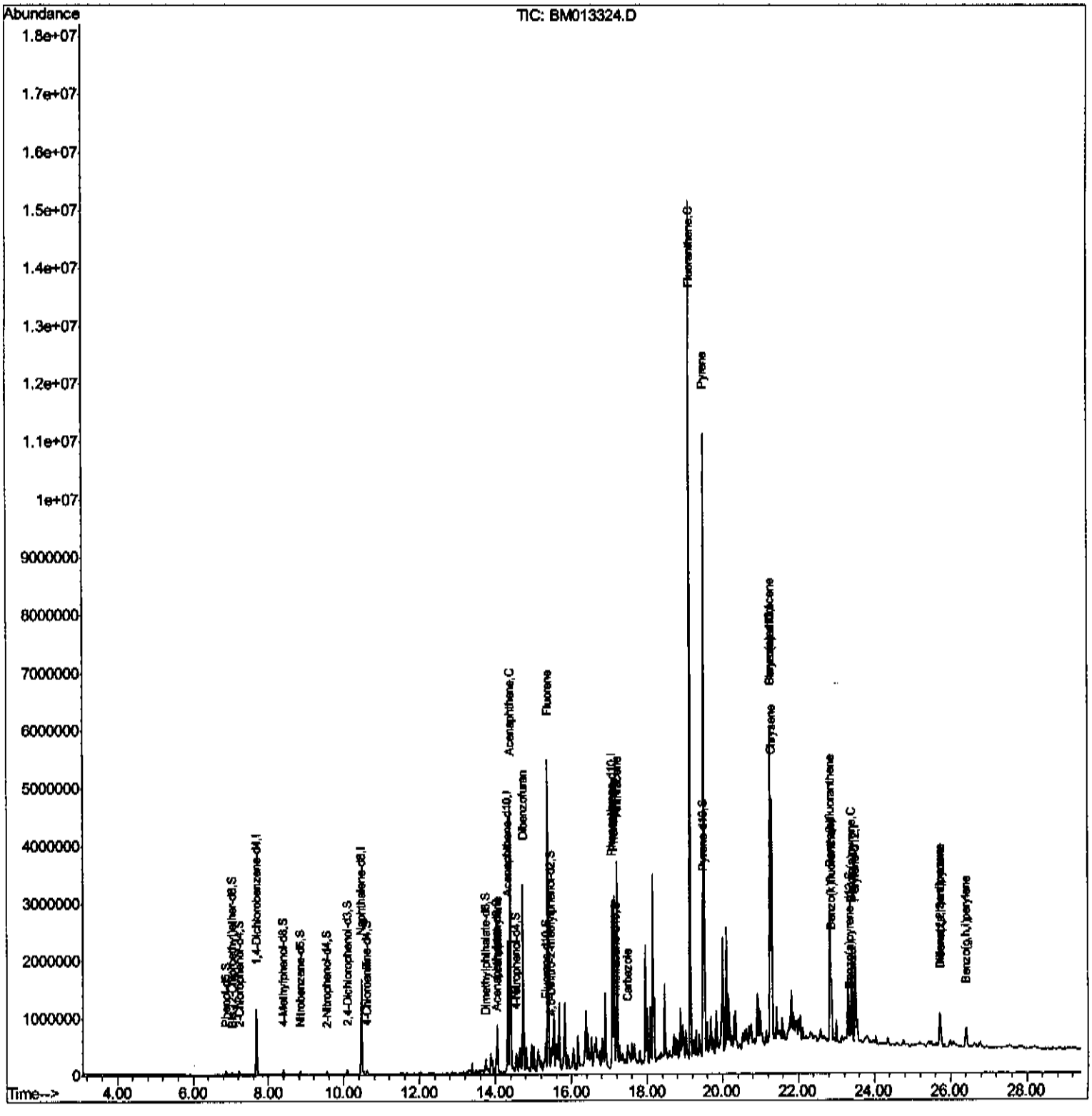
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 12 04:56:22 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 12 02:07:09 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9B11

Manual Integrations APPROVED
Sohil
12/12/2017 3:57:25 PM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
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Quant Time: Dec 12 04:17:23 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
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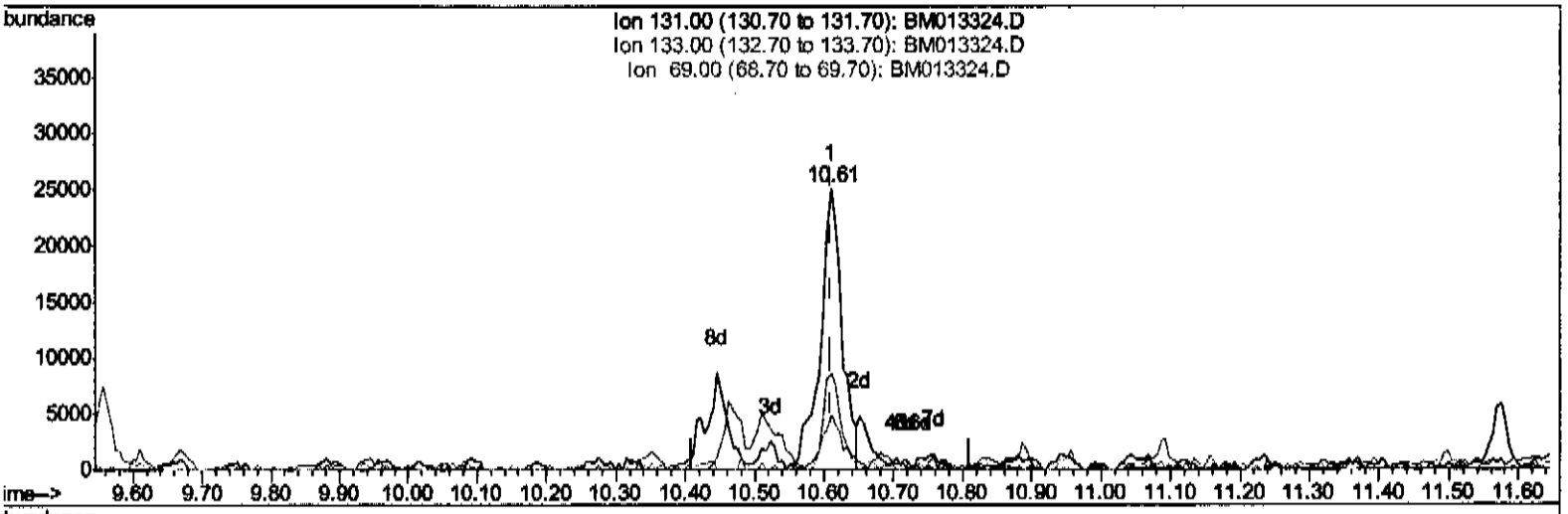

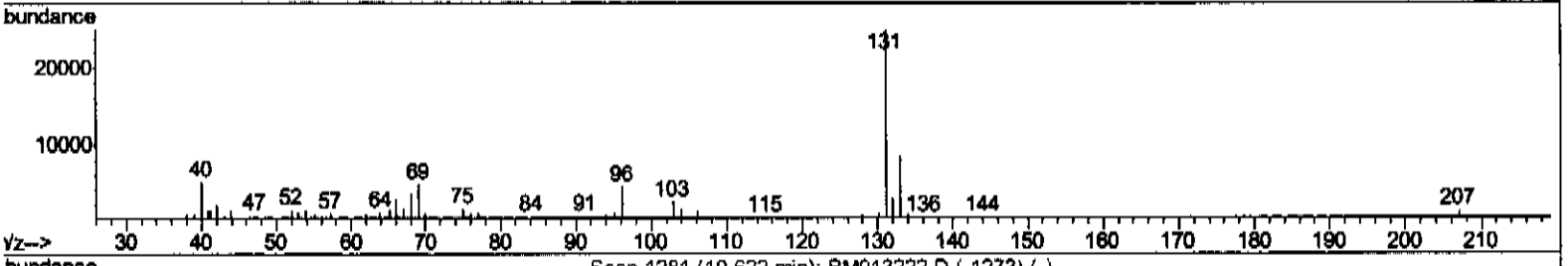

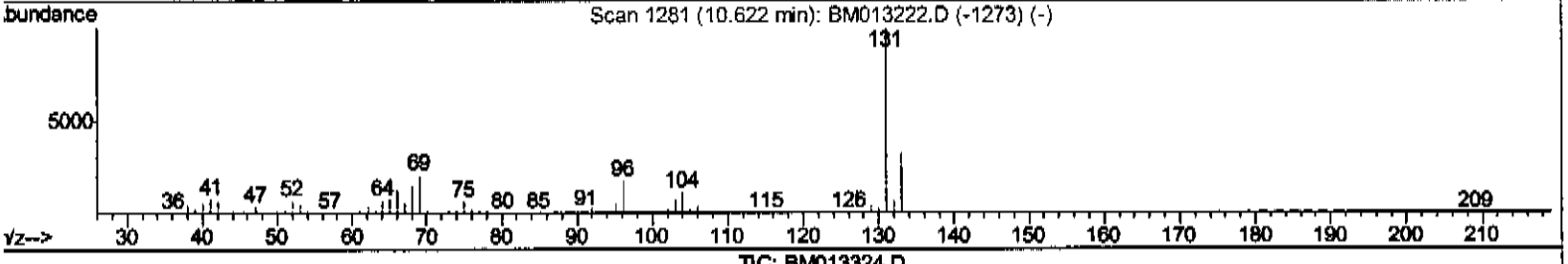

TIC: BM013324.D

(29) 4-Chloroaniline-d4 (S)

10.610min (-0.000) 2.60ng/ul

response 54571

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	33.88
69.00	24.30	19.35#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
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Acq On : 12 Dec 2017 03:08
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Sample : I6758-10 10X
Misc :
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Quant Title : SVOA CALIBRATION
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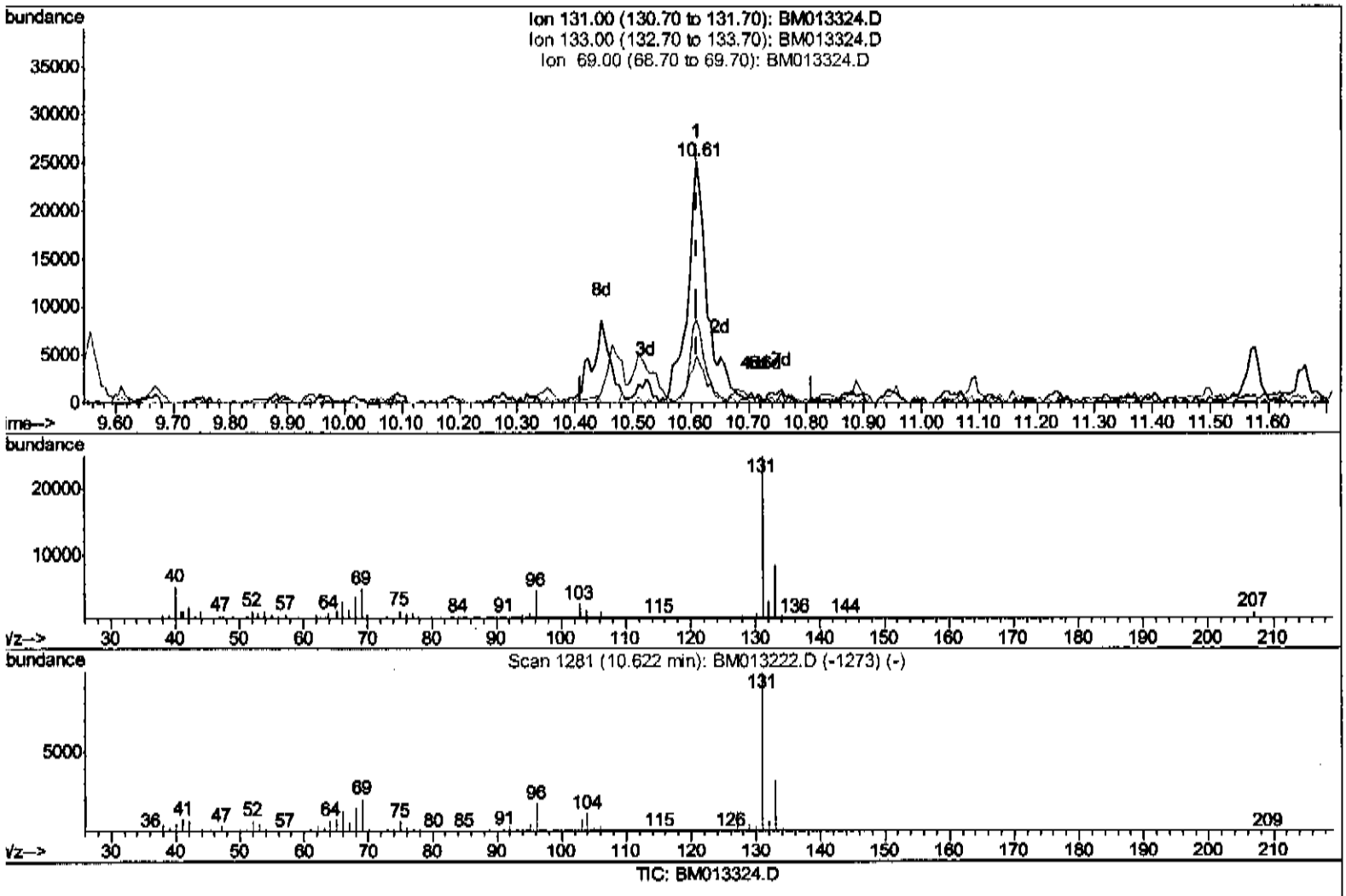
Instrument :
BNA_M
ClientSampleId :
F9B11

Manual Integrations APPROVED
Sohil
12/12/2017 3:57:25 PM



TIC: BM013324.D

(29) 4-Chloroaniline-d4 (S)

10.610min (-0.000) 2.92ng/ul m JU12/15/17

response 61218

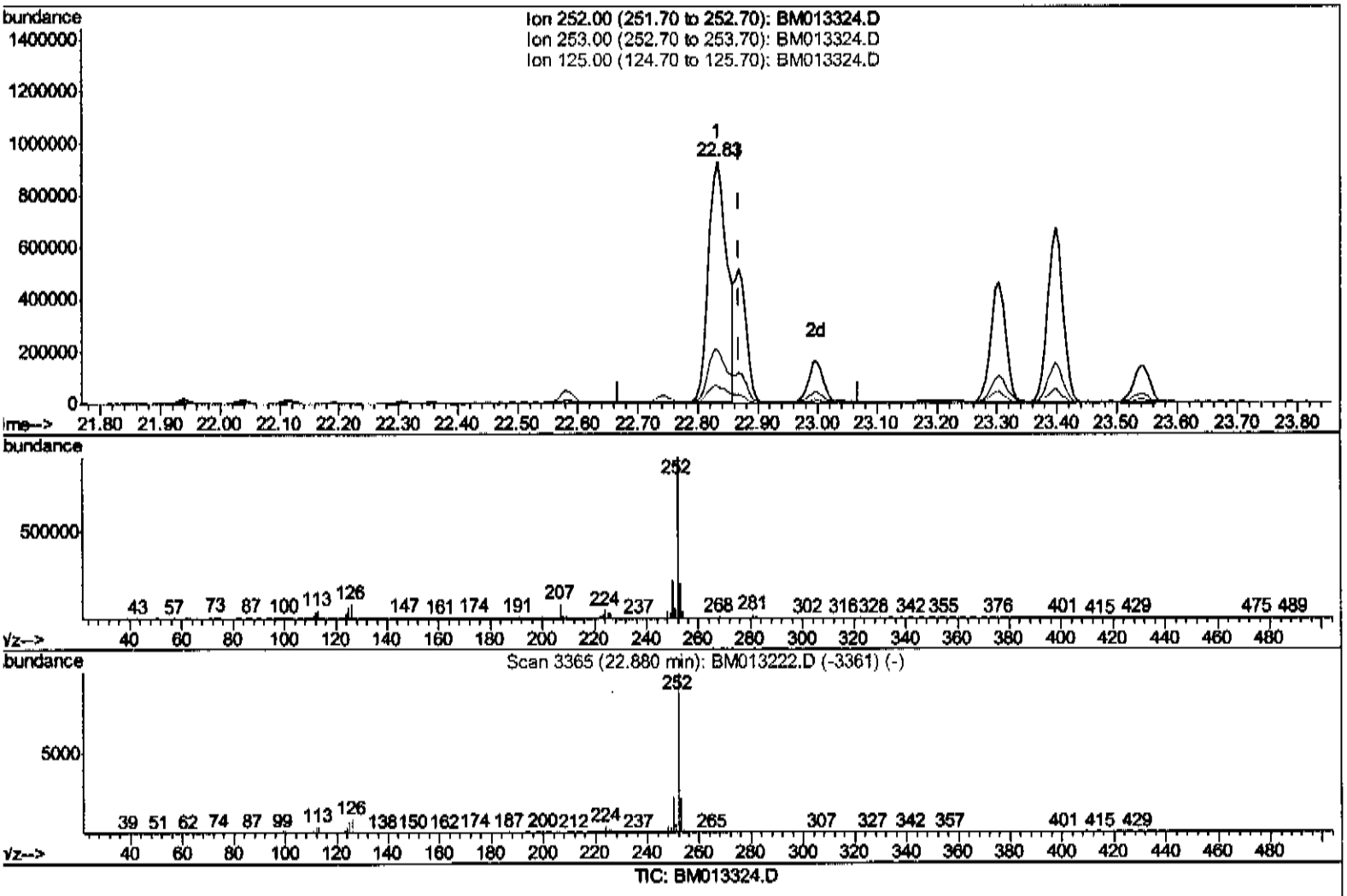
Ion	Exp%	Act%
131.00	100	100
133.00	31.40	33.88
69.00	24.30	19.35#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 12 04:54:40 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 12 02:07:09 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9B11

Manual Integrations APPROVED
Sohil
12/12/2017 3:57:25 PM



(86) Benzo(k)fluoranthene

22.833min (-0.036) 25.11ng/ul

response 1988808

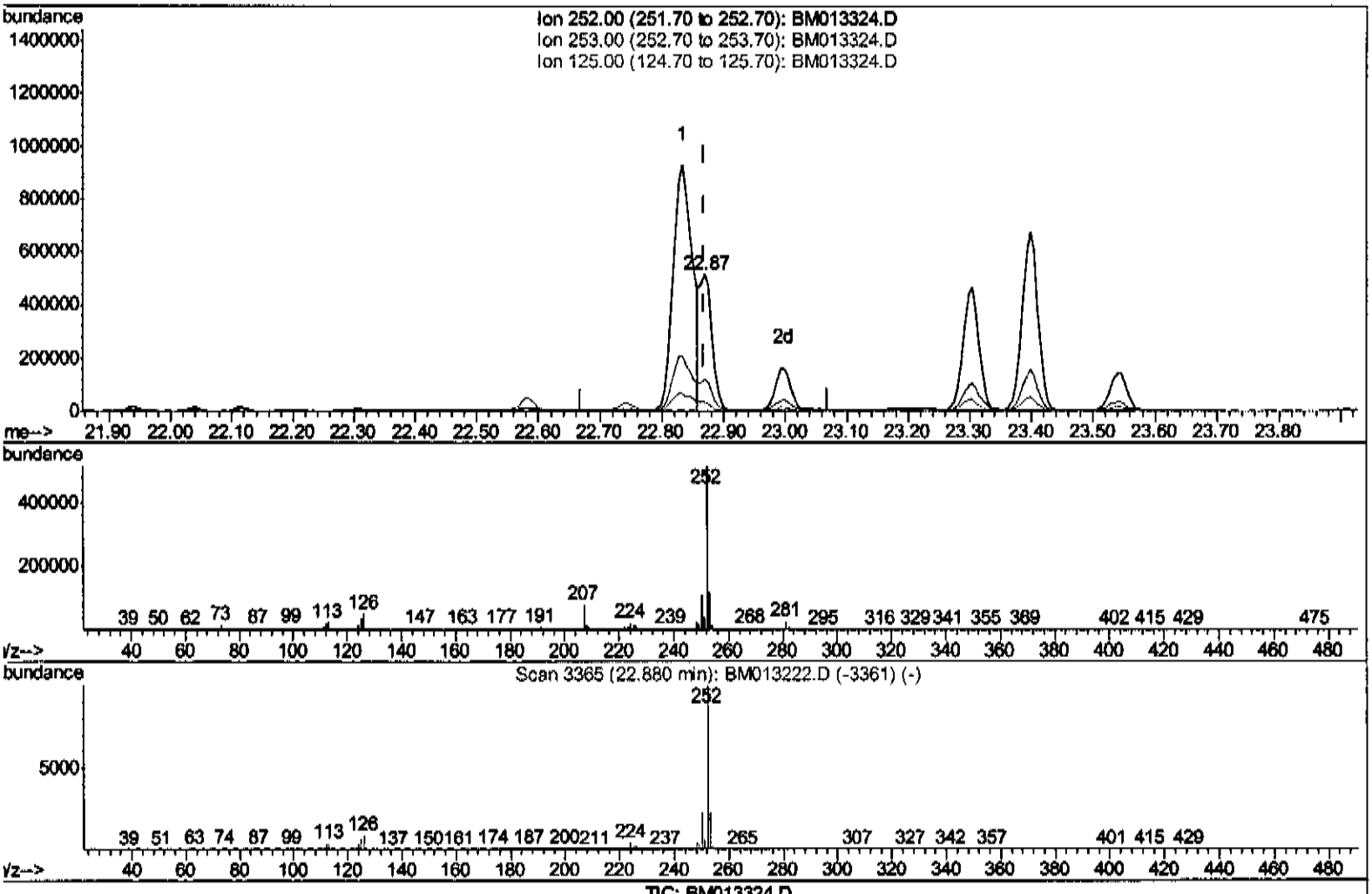
Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.20
125.00	4.30	7.11#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 12 04:54:40 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 12 02:07:09 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9B11

Manual Integrations APPROVED
Sohil
12/12/2017 3:57:25 PM



TIC: BM013324.D

(86) Benzo(k)fluoranthene

22.868min (-0.000) 8.92ng/ul m JU 12/15/17

response 706918

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.97
125.00	4.30	6.88#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9B11

Manual Integrations APPROVED
Sohil
12/12/2017 3:57:25 PM

Quant Time: Dec 12 04:56:22 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	294678	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	1305206	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	751955	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1625910	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1531984	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1248676	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.24	96	1912	0.32	ng/uL	0.00
5) Phenol-d5	6.87	99	39911	1.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	27404	1.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	34329	1.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	37305	1.71	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	18344	1.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	18783	1.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	36304	1.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	61218m	2.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	137323	2.05	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	158525	1.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	12189	1.05	ng/ul	0.01
57) Fluorene-d10	15.33	176	113690	1.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	11346	1.11	ng/ul	0.00
70) Anthracene-d10	17.17	188	175910	2.16	ng/ul	0.00
76) Pyrene-d10	19.47	212	173148	2.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	120896	1.90	ng/ul	0.00
Target Compounds						Qvalue
47) Acenaphthylene	14.05	152	315672	4.131	ng/ul#	93
49) Acenaphthene	14.40	153	1897422	36.450	ng/ul	98
53) Dibenzofuran	14.73	168	1748774	22.756	ng/ul	98
58) Fluorene	15.39	166	2368562	37.257	ng/ul	99
69) Phenanthrene	17.12	178	1605882	17.385	ng/ul	99
71) Anthracene	17.21	178	2182352	23.114	ng/ul	99
72) Carbazole	17.49	167	110849	1.365	ng/ul#	92
74) Fluoranthene	19.14	202	8859287	78.263	ng/ul#	90
77) Pyrene	19.51	202	6689819	71.878	ng/ul#	92
80) Benzo(a)anthracene	21.26	228	2356223	24.241	ng/ul	97
82) Chrysene	21.30	228	2389424	26.497	ng/ul	98
85) Benzo(b)fluoranthene	22.83	252	1988808	23.627	ng/ul#	98
86) Benzo(k)fluoranthene	22.87	252	706918m	8.924	ng/ul	
88) Benzo(a)pyrene	23.40	252	1185466	15.678	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.73	276	577076	7.692	ng/ul	96
90) Dibenzo(a,h)anthracene	25.73	278	170116	2.663	ng/ul#	92
91) Benzo(g,h,i)perylene	26.41	276	427139	7.218	ng/ul#	95

SJ 12/15/17

SJ 12/15/17

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