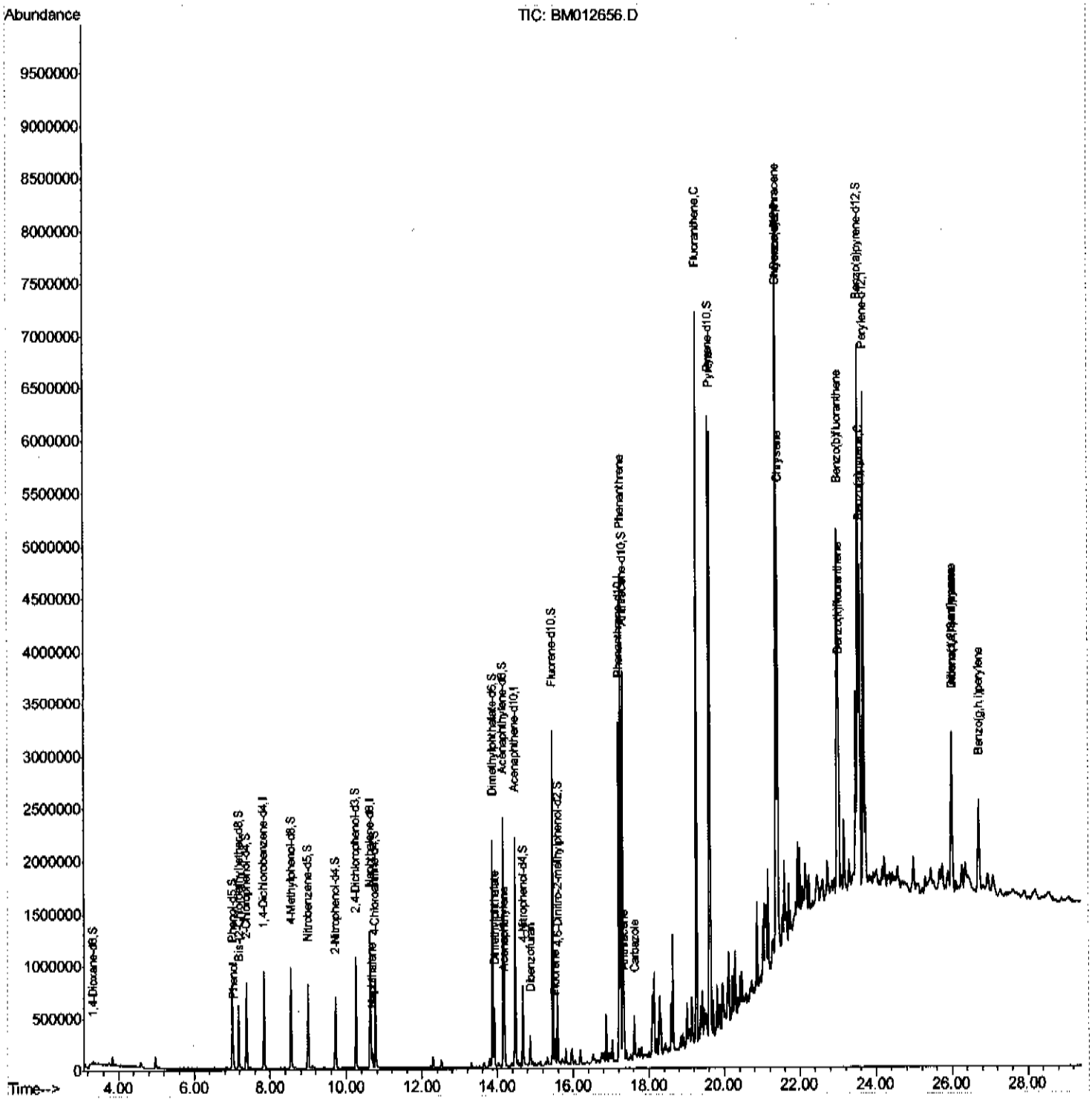
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110117\
Data File : BM012656.D
Acq On : 02 Nov 2017 02:46
Operator : SJ/JU
Sample : I5937-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 02 04:46:00 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 02 04:04:31 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B0DT6

Manual Integrations APPROVED
Sohil
11/2/2017 5:22:31 PM

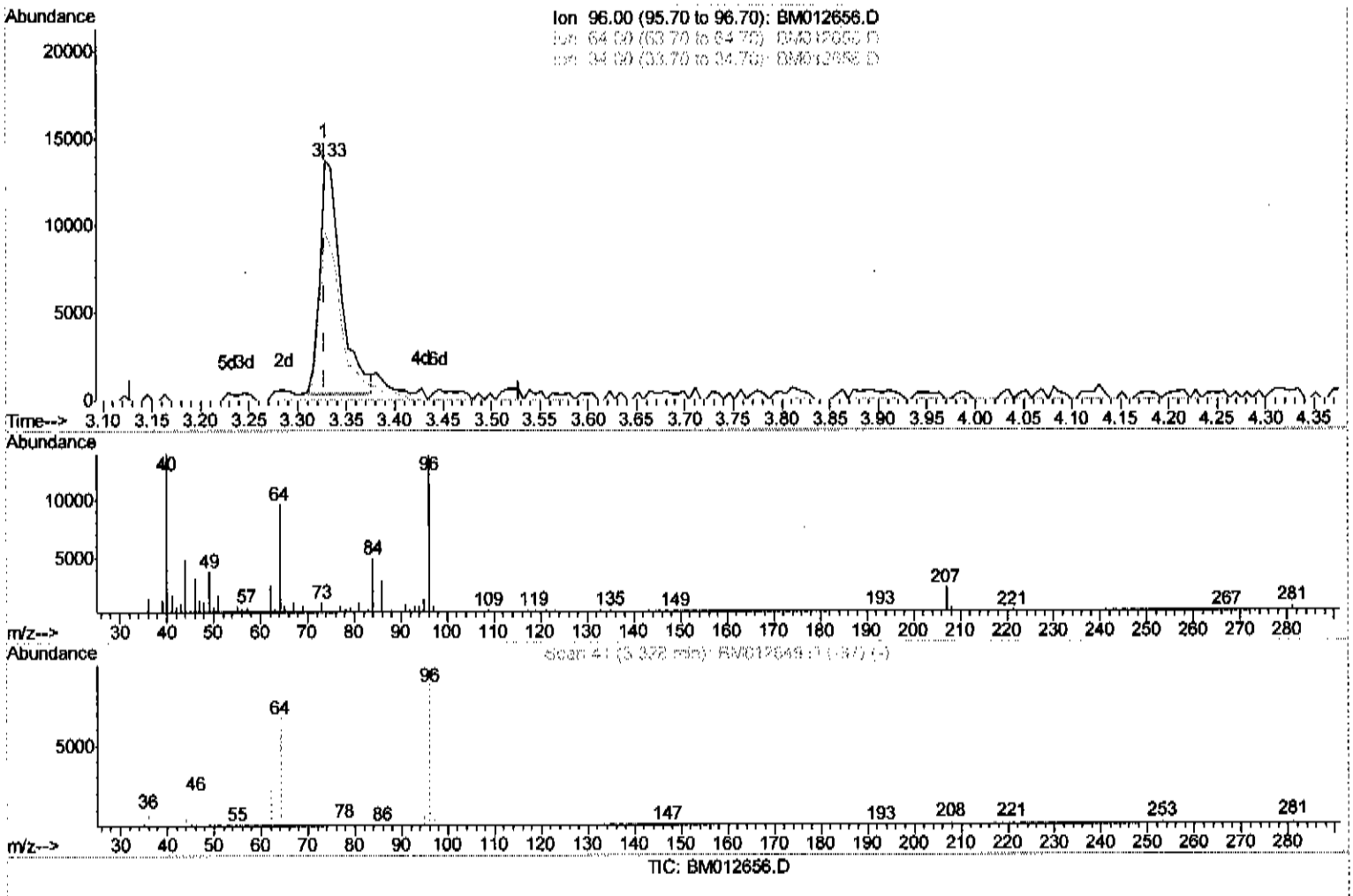


Data Path : Z:\HPCHEM1\BNA M\DATA\BM110117\
Data File : BM012656.D
Acq On : 02 Nov 2017 02:46
Operator : SJ/JU
Sample : I5937-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 02 04:17:12 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 02 04:04:31 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B0DT6

Manual Integrations APPROVED
Sohil
11/2/2017 5:22:31 PM



TIC: BM012656.D

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

3.328min (-0.000) 4.23ng/uL

response 20268

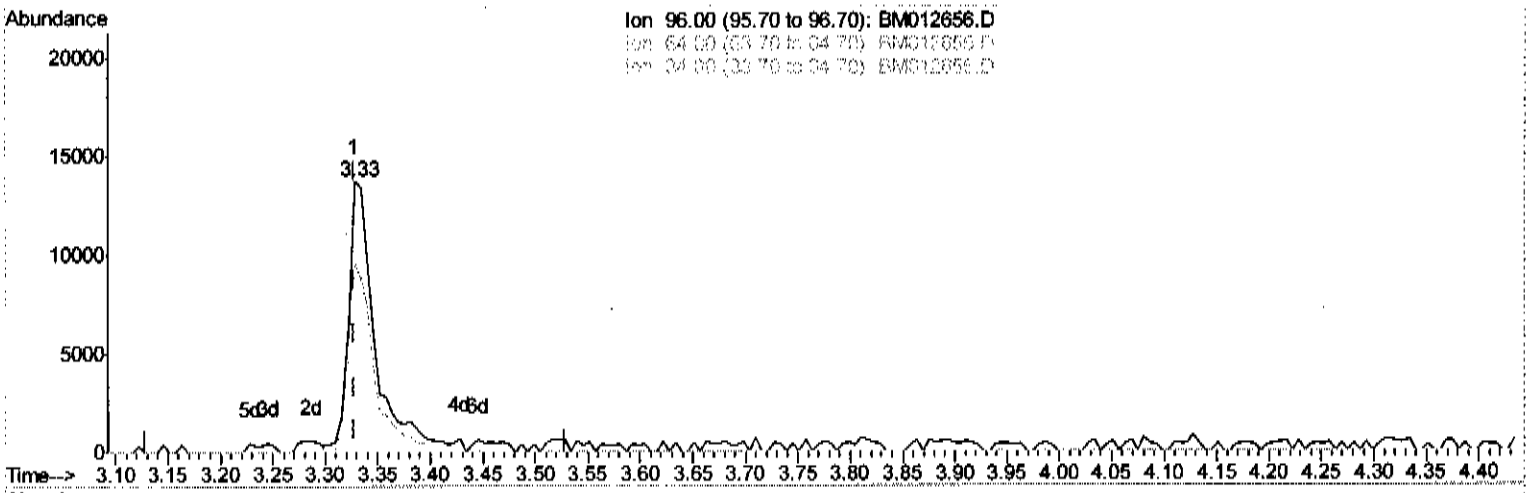
Ion	Exp%	Act%
96.00	100	100
64.00	74.90	78.83
34.00	0.00	0.00
0.00	0.00	0.00

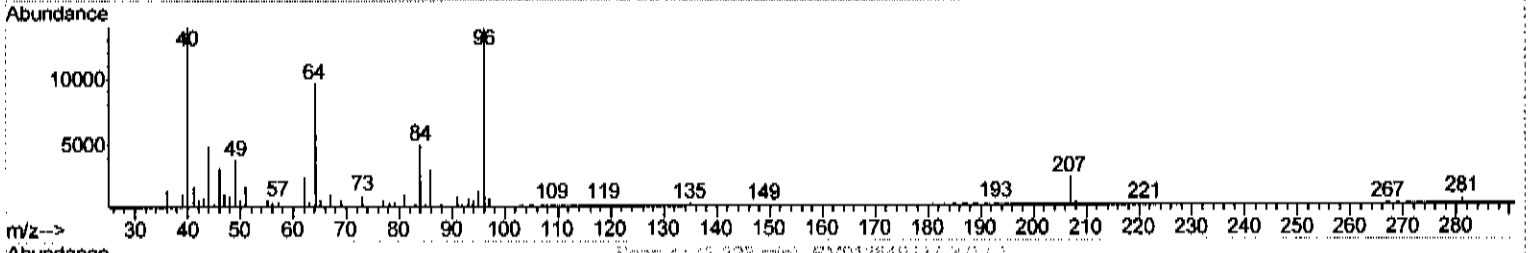
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110117\
Data File : BM012656.D
Acq On : 02 Nov 2017 02:46
Operator : SJ/JU
Sample : I5937-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

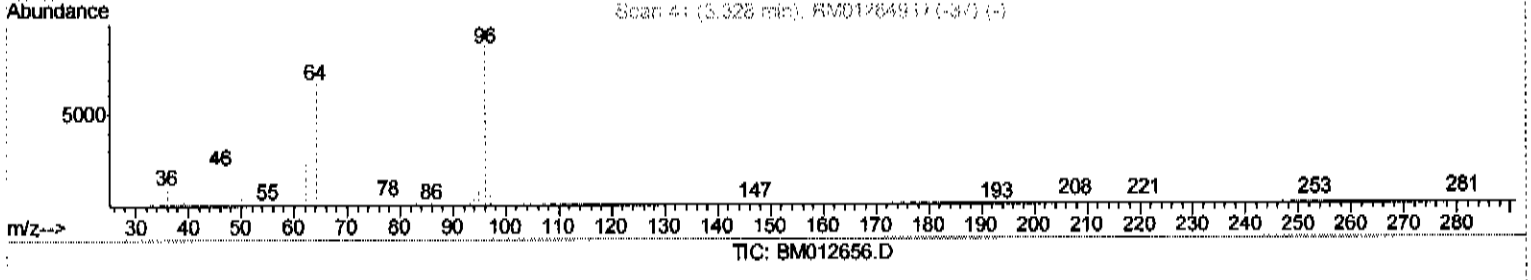
Quant Time: Nov 02 04:17:12 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 02 04:04:31 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B0DT6

Manual Integrations APPROVED
Sohil
11/2/2017 5:22:31 PM







TIC: BM012656.D

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

3.328min (-0.000) 5.13ng/uL m

response 24558

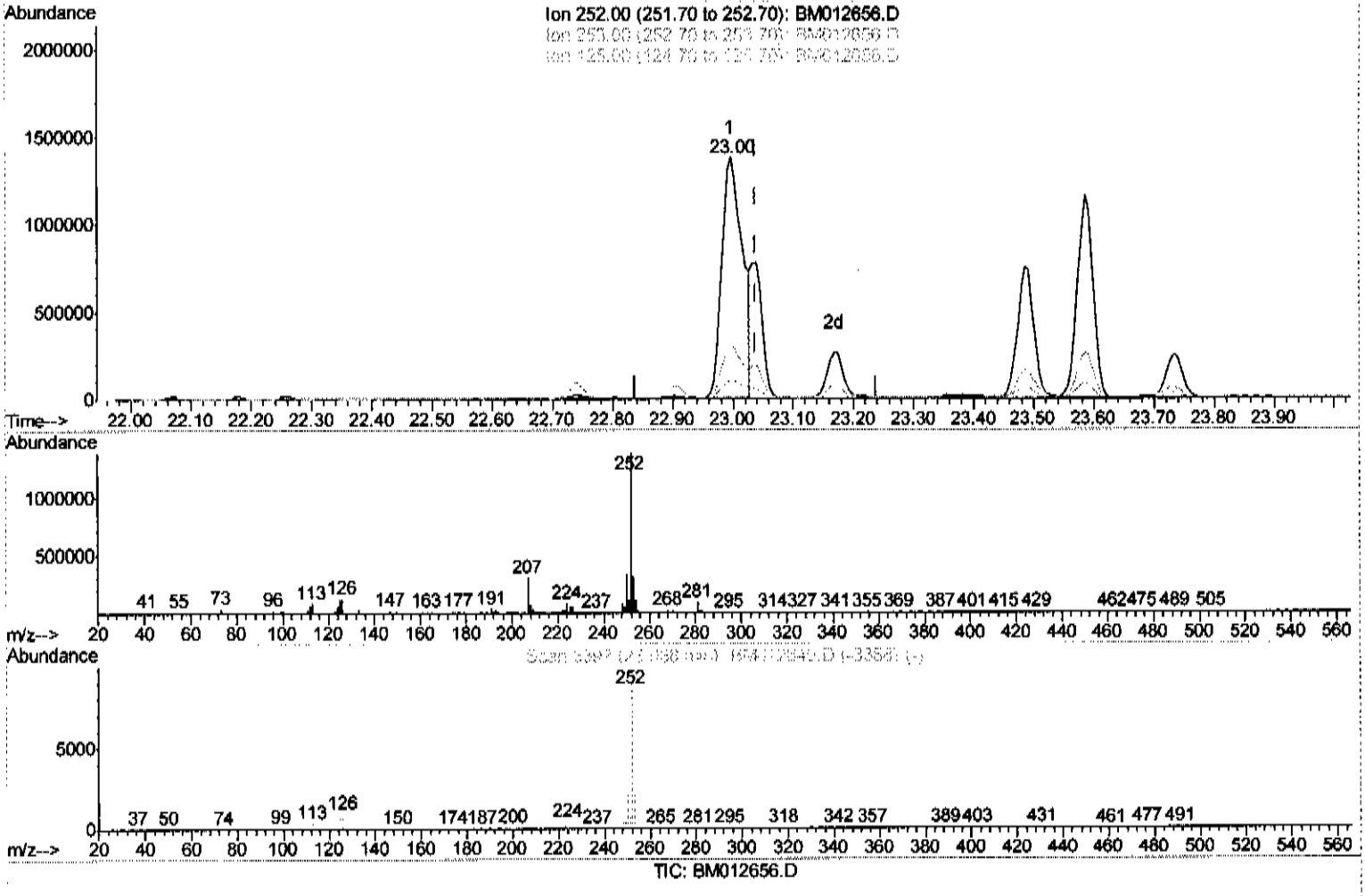
Ion	Exp%	Act%
96.00	100	100
64.00	74.90	65.06
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110117\
Data File : BM012656.D
Acq On : 02 Nov 2017 02:46
Operator : SJ/JU
Sample : I5937-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 02 04:42:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 02 04:04:31 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B0DT6

Manual Integrations APPROVED
Sohil
11/2/2017 5:22:31 PM



(86) Benzo(k)fluoranthene

22.997min (-0.041) 15.88ng/ul

response 3316506

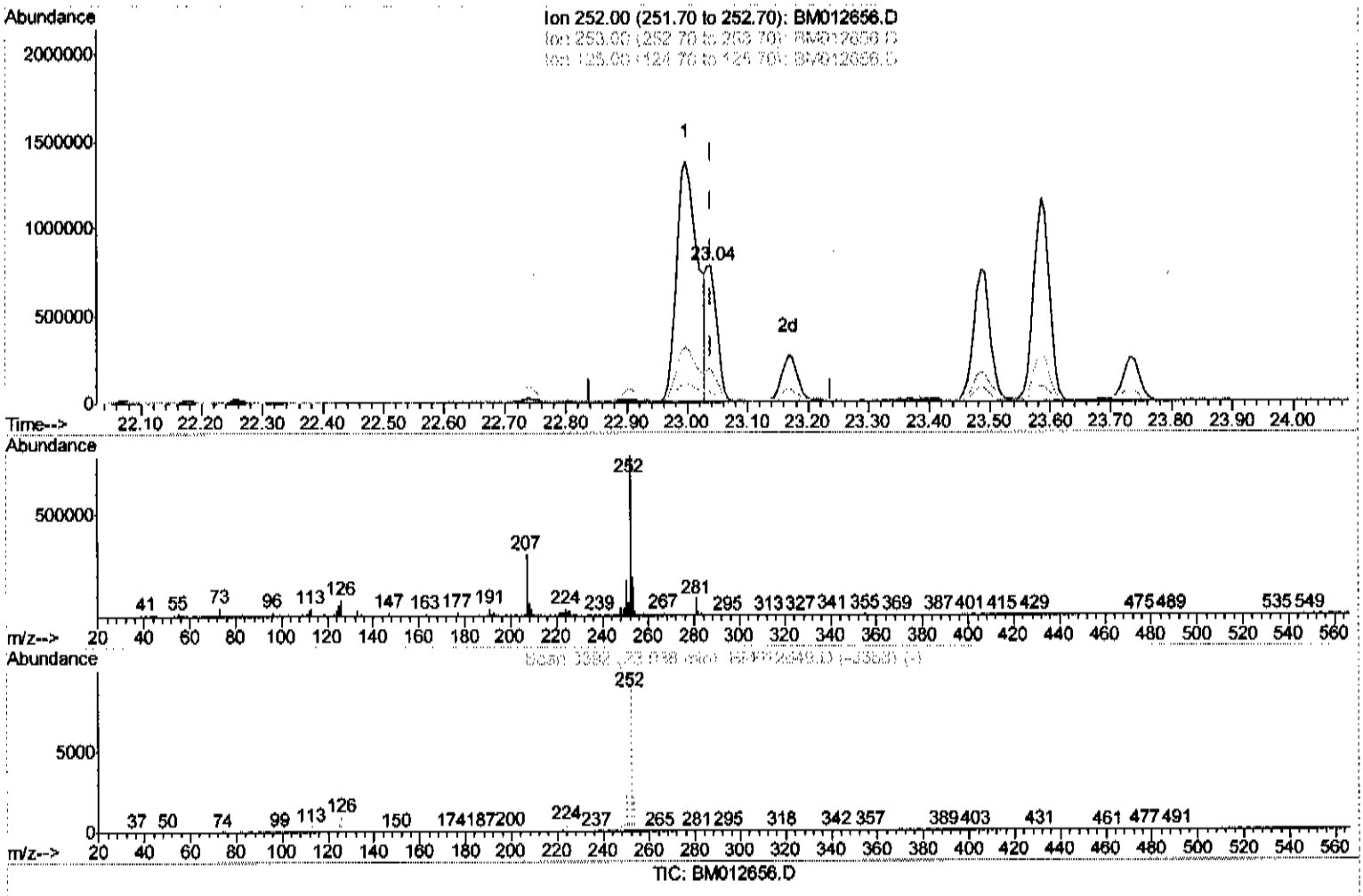
Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.65
125.00	4.30	7.96#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110117\
Data File : BM012656.D
Acq On : 02 Nov 2017 02:46
Operator : SJ/JU
Sample : I5937-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 02 04:42:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 02 04:04:31 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
B0DT6

Manual Integrations APPROVED
Sohil
11/2/2017 5:22:31 PM



(86) Benzo(k)fluoranthene

23.038min (-0.000) 4.82ng/ul m JU 11/02/17

response 1007616

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	24.81
125.00	4.30	7.20#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110117\
Data File : BM012656.D
Acq On : 02 Nov 2017 02:46
Operator : SJ/JU
Sample : I5937-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
Sohil
11/2/2017 5:22:31 PM

Quant Time: Nov 02 04:46:00 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 02 04:04:31 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	244495	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1075977	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	707551	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1820953	20.00	ng/ul	0.00
75) Chrysene-d12	21.39	240	2858543	20.00	ng/ul	0.00
83) Perylene-d12	23.69	264	3590433	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.33	96	24558m	5.13	ng/uL	0.00
5) Phenol-d5	7.01	99	434998	21.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	275199	22.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	356444	23.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	354912	20.33	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	184235	27.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	215283	31.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	403393	21.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	443928	22.89	ng/ul	0.00
43) Dimethylphthalate-d6	13.88	166	1370277	22.17	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	1626399	22.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	183655	19.99	ng/ul	0.00
57) Fluorene-d10	15.46	176	1215793	23.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	166759	18.92	ng/ul	0.00
70) Anthracene-d10	17.32	188	2043662	23.55	ng/ul	0.00
76) Pyrene-d10	19.60	212	2572719	19.62	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.54	264	3916463	22.96	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	7.03	94	40017	1.88	ng/ul#	85
28) Naphthalene	10.68	128	122166	2.29	ng/ul	97
44) Dimethylphthalate	13.93	163	332459	5.44	ng/ul	100
47) Acenaphthylene	14.19	152	293479	4.21	ng/ul	99
53) Dibenzofuran	14.87	168	158878	2.25	ng/ul	95
58) Fluorene	15.52	166	99949	1.67	ng/ul#	97
69) Phenanthrene	17.26	178	2685166	27.27	ng/ul	99
71) Anthracene	17.34	178	270123	2.65	ng/ul	98
72) Carbazole	17.62	167	246450	2.92	ng/ul	99
74) Fluoranthene	19.27	202	4203820	37.67	ng/ul#	92
77) Pyrene	19.63	202	3396851	20.90	ng/ul#	89
80) Benzo(a)anthracene	21.37	228	1891559	11.05	ng/ul	95
82) Chrysene	21.43	228	2077735	13.65	ng/ul	96
85) Benzo(b)fluoranthene	23.00	252	3316506	14.94	ng/ul#	98
86) Benzo(k)fluoranthene	23.04	252	1007616m	4.82	ng/ul	
88) Benzo(a)pyrene	23.59	252	2108066	9.96	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.01	276	1468548	5.90	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.00	278	393094	1.86	ng/ul#	86
91) Benzo(g,h,i)perylene	26.72	276	1057379	5.24	ng/ul#	94

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JU 11/02/17

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