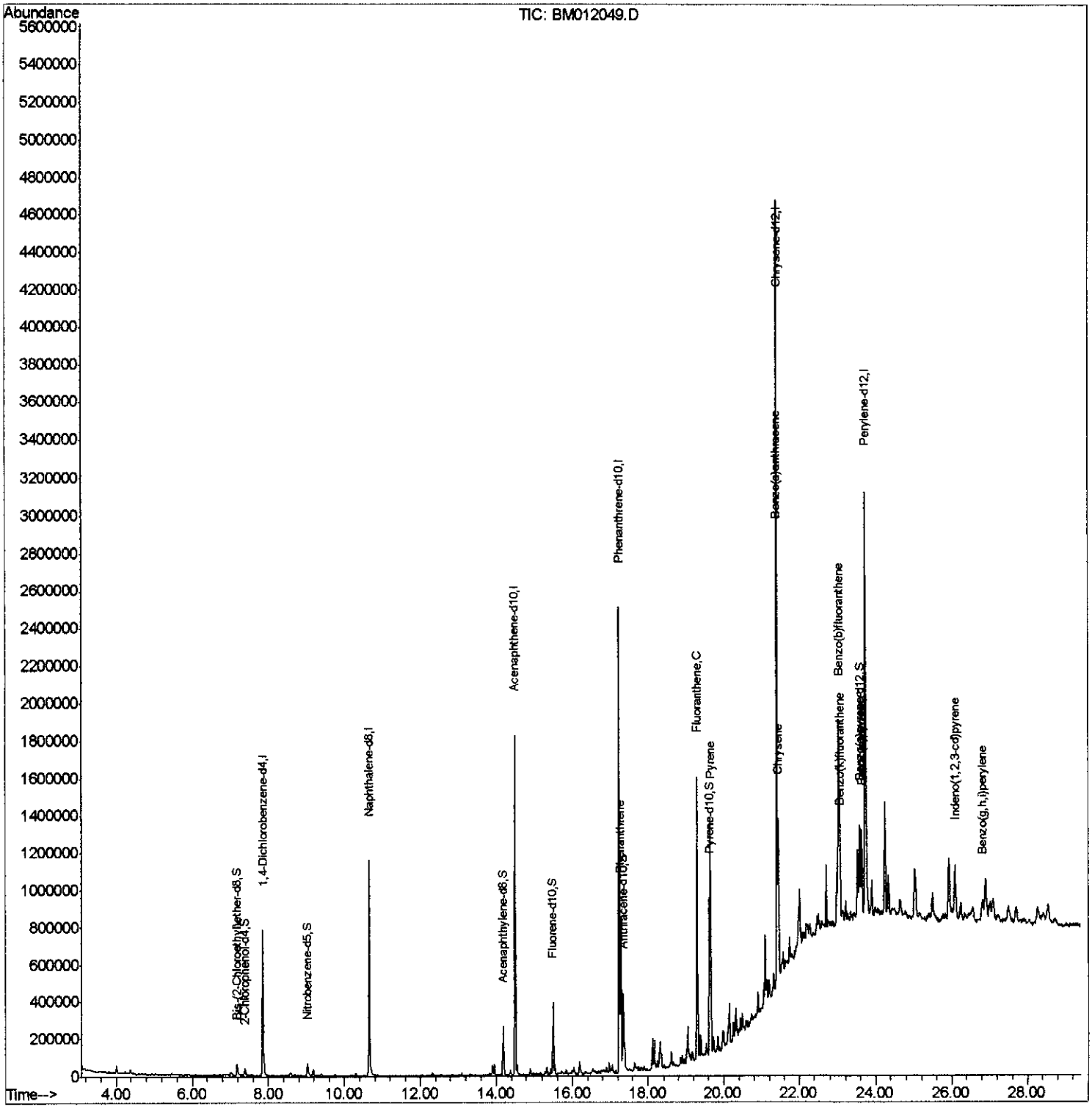
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012049.D
Acq On : 10 Oct 2017 19:21
Operator : SJ/JU
Sample : I5669-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 01:59:24 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 01:12:19 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB3H9

Manual Integrations APPROVED
Sohil
10/11/2017 7:29:11 PM

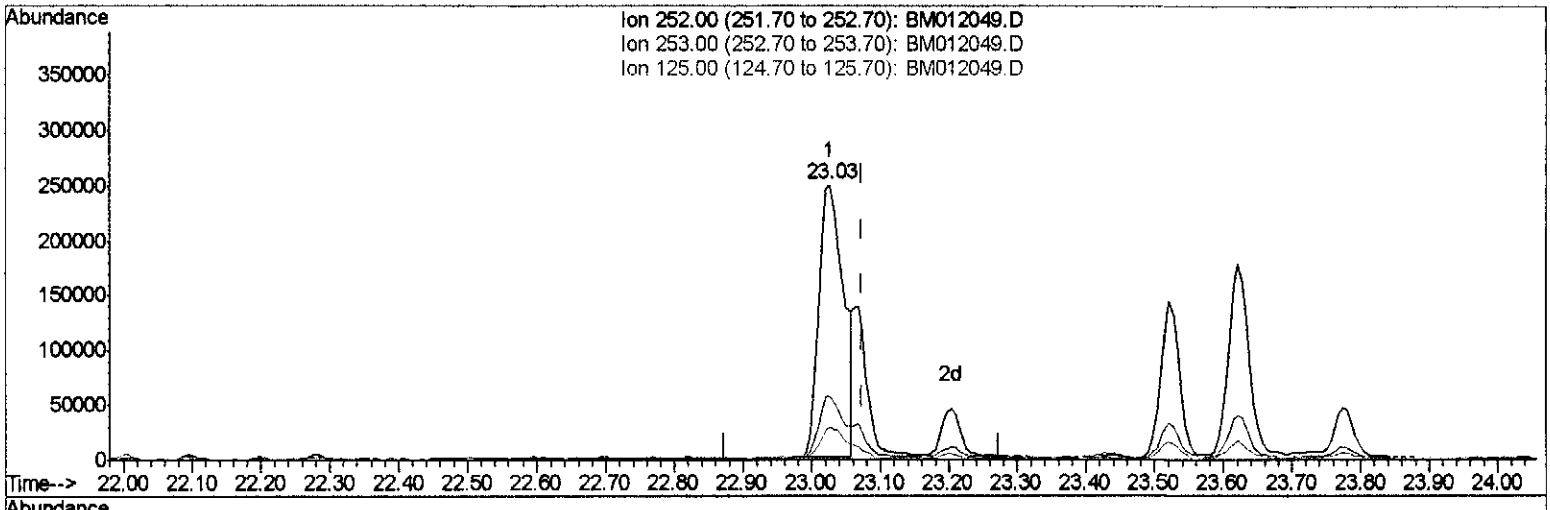


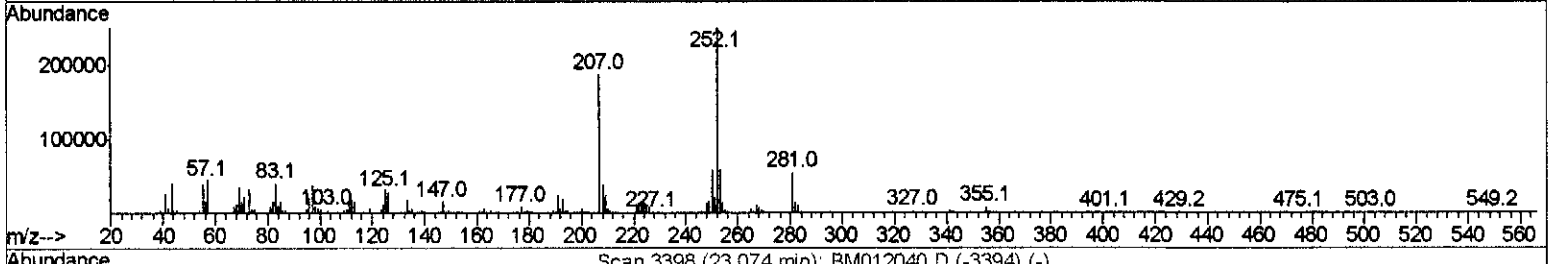
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012049.D
Acq On : 10 Oct 2017 19:21
Operator : SJ/JU
Sample : I5669-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

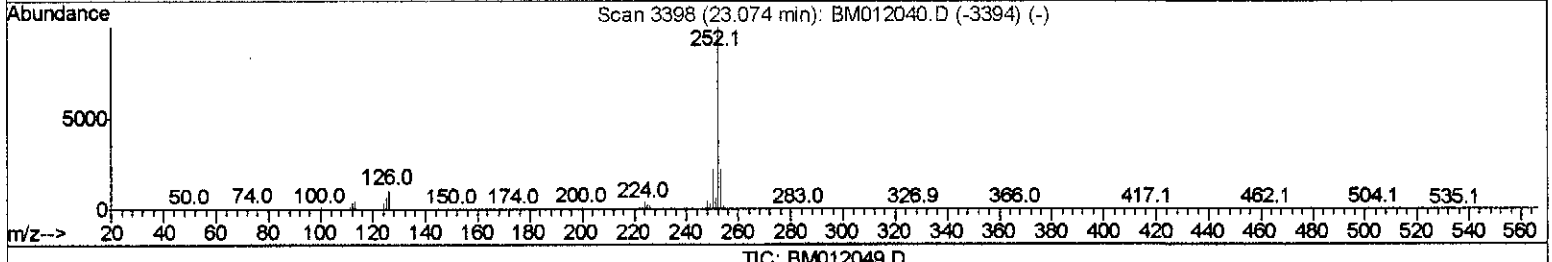
Quant Time: Oct 11 01:14:55 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 01:12:19 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB3H9

Manual Integrations APPROVED
Sohil
10/11/2017 7:29:11 PM







TIC: BM012049.D

(86) Benzo(k)fluoranthene

23.027min (-0.047) 5.90ng/ul

response 617792

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.23
125.00	4.30	12.30#
0.00	0.00	0.00

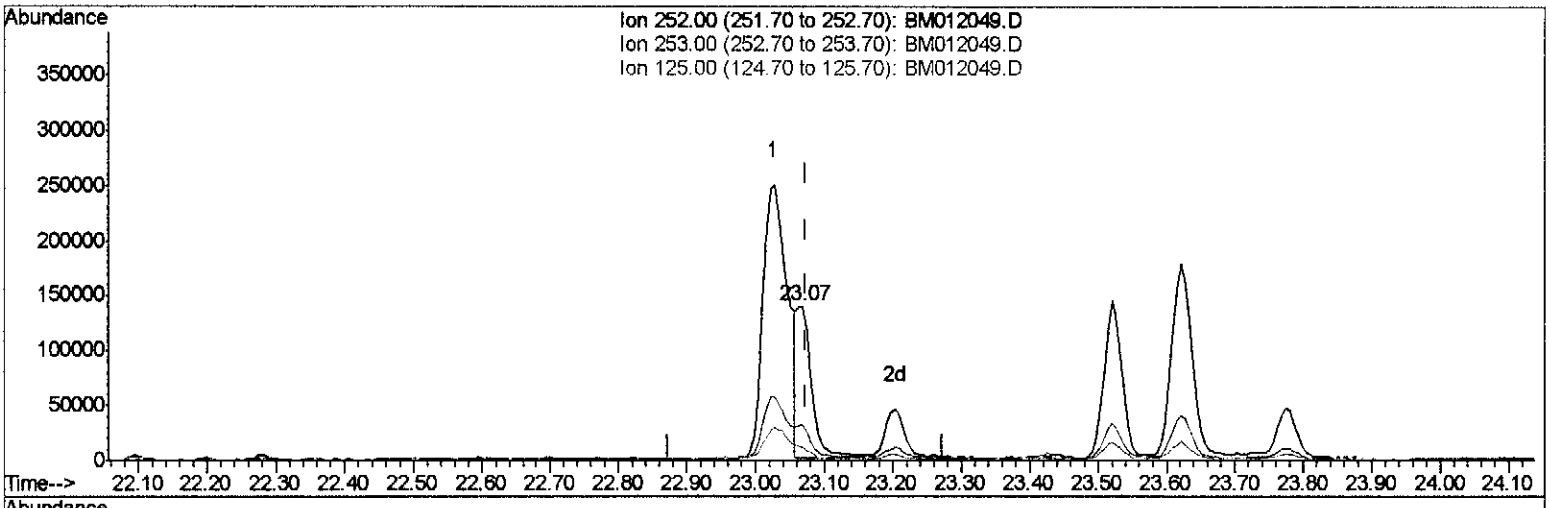
Quantitation Report (Qedit)

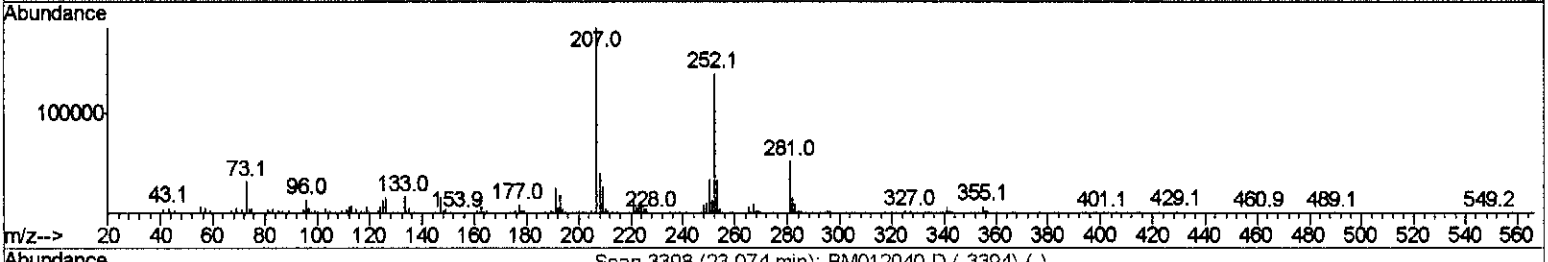
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012049.D
Acq On : 10 Oct 2017 19:21
Operator : SJ/JU
Sample : I5669-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

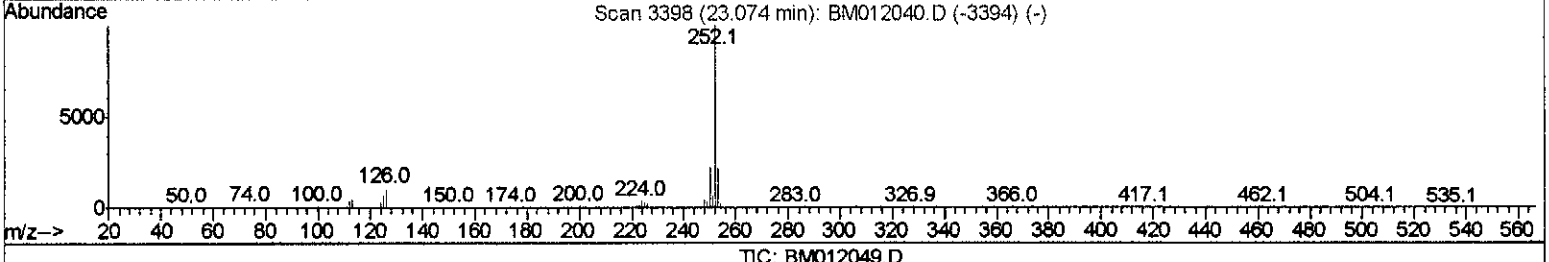
Quant Time: Oct 11 01:14:55 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 01:12:19 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB3H9

Manual Integrations APPROVED
Sohil
10/11/2017 7:29:11 PM







TIC: BM012049.D

(86) Benzo(k)fluoranthene

23.068min (-0.006) 1.92ng/ul m> SJ 10/14/17

response 201375

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.77
125.00	4.30	8.94#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012049.D
Acq On : 10 Oct 2017 19:21
Operator : SJ/JU
Sample : I5669-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB3H9

Manual Integrations APPROVED
Sohil
10/11/2017 7:29:11 PM

Quant Time: Oct 11 01:59:24 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 01:12:19 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	219544	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	973315	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	601100	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1436345	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1821152	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1724981	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	1074	0.23	ng/uL	0.01
5) Phenol-d5	7.02	99	6727	0.36	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	32919	2.94	ng/ul	0.01
9) 2-Chlorophenol-d4	7.38	132	19231	1.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	5456	0.33	ng/ul	0.02
19) Nitrobenzene-d5	9.02	128	17845	2.57	ng/ul	0.01
22) 2-Nitrophenol-d4	9.75	143	4067	0.52	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.30	165	7281	0.46	ng/ul	0.04
29) 4-Chloroaniline-d4	10.82	131	1467	0.09	ng/ul	0.04
43) Dimethylphthalate-d6	13.90	166	39755	0.76	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	189294	3.09	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.48	176	157587	3.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.33	188	243781	3.44	ng/ul	0.00
76) Pyrene-d10	19.62	212	307689	3.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	262932	3.17	ng/ul	0.00
Target Compounds						Qvalue
69) Phenanthrene	17.27	178	474161	6.001	ng/ul	99
74) Fluoranthene	19.29	202	902150	9.358	ng/ul#	92
77) Pyrene	19.65	202	777827	7.703	ng/ul#	89
80) Benzo(a)anthracene	21.39	228	493581	4.731	ng/ul	98
82) Chrysene	21.44	228	476368	4.806	ng/ul	98
85) Benzo(b)fluoranthene	23.03	252	617792	5.892	ng/ul#	95
86) Benzo(k)fluoranthene	23.07	252	201375m	1.924	ng/ul	
88) Benzo(a)pyrene	23.62	252	356226	3.536	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.09	276	209077	1.939	ng/ul#	95
91) Benzo(g,h,i)perylene	26.81	276	162658	1.824	ng/ul#	92

SJ 10/14/17

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