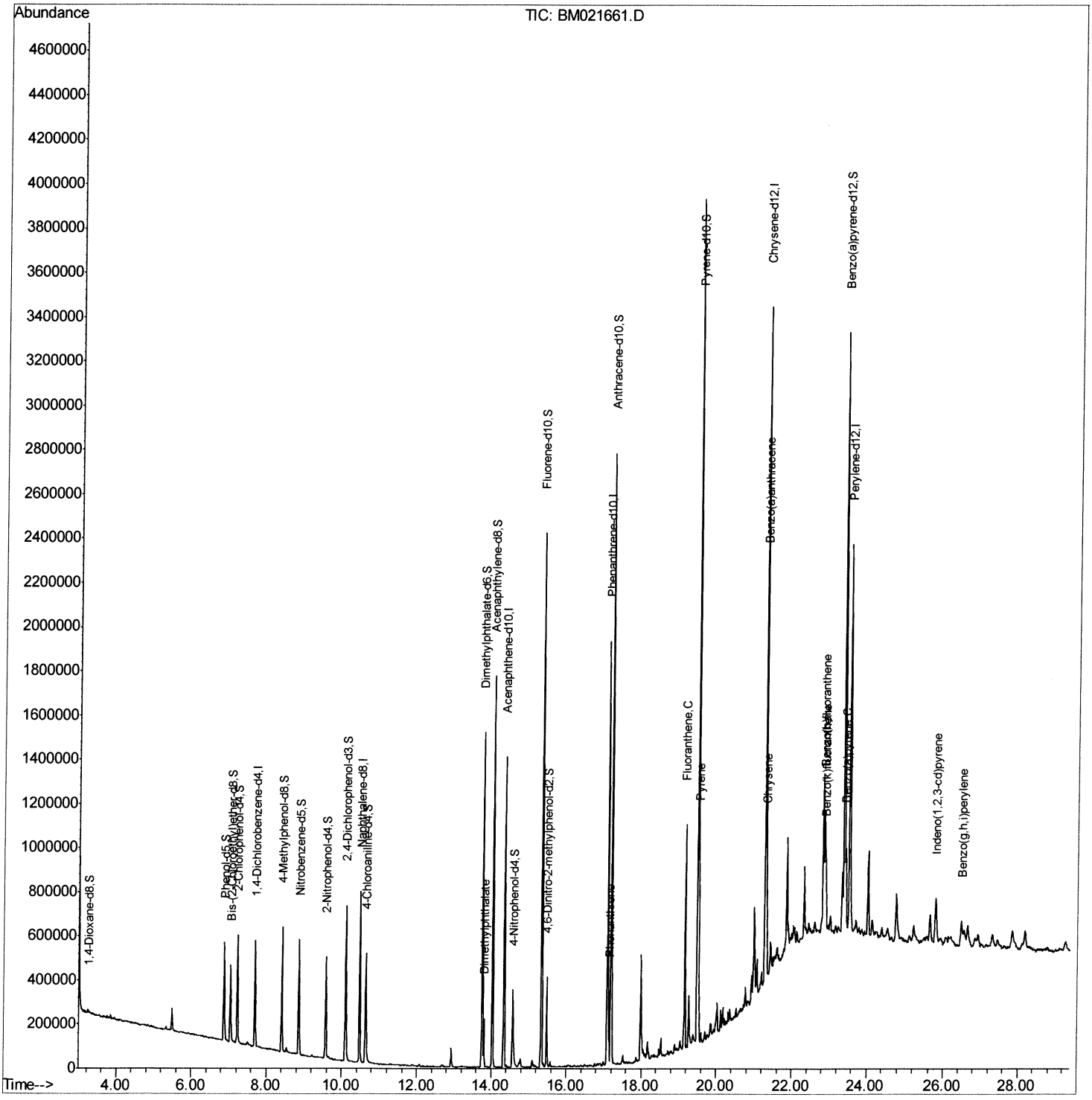
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021661.D
Acq On : 26 Jul 2019 06:45
Operator : HP/JU
Sample : K3893-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jul 26 08:15:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 01:21:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP13

Manual Integrations APPROVED
mohammad
7/26/2019 3:24:35 PM

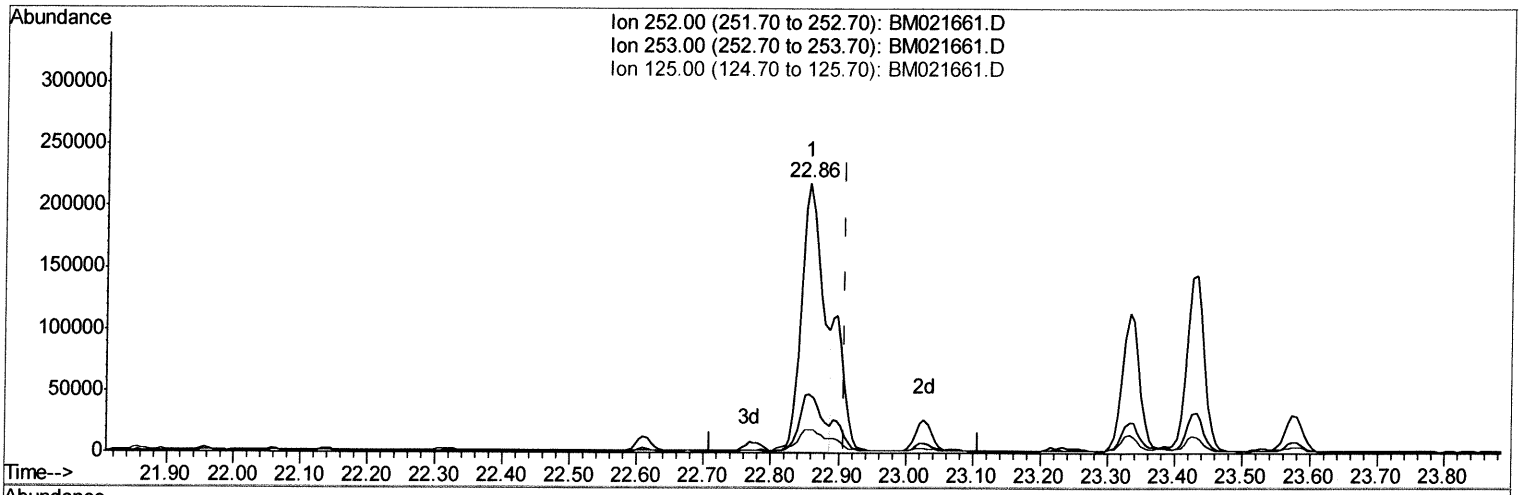


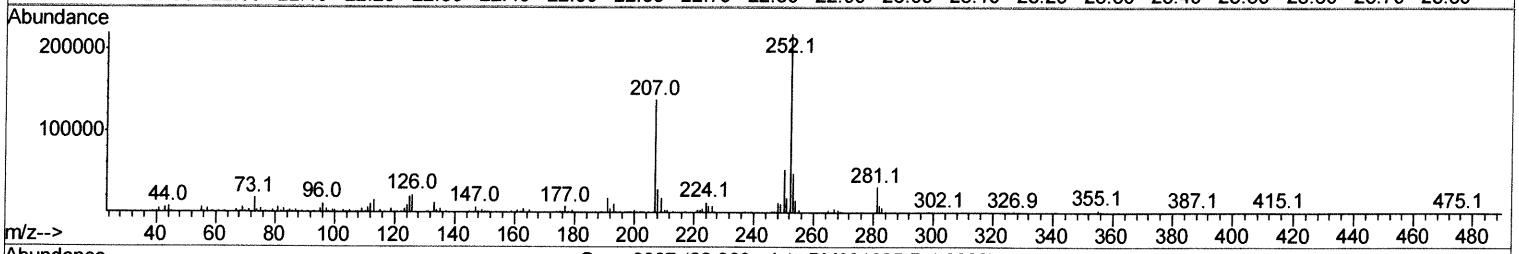
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021661.D
Acq On : 26 Jul 2019 06:45
Operator : HP/JU
Sample : K3893-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

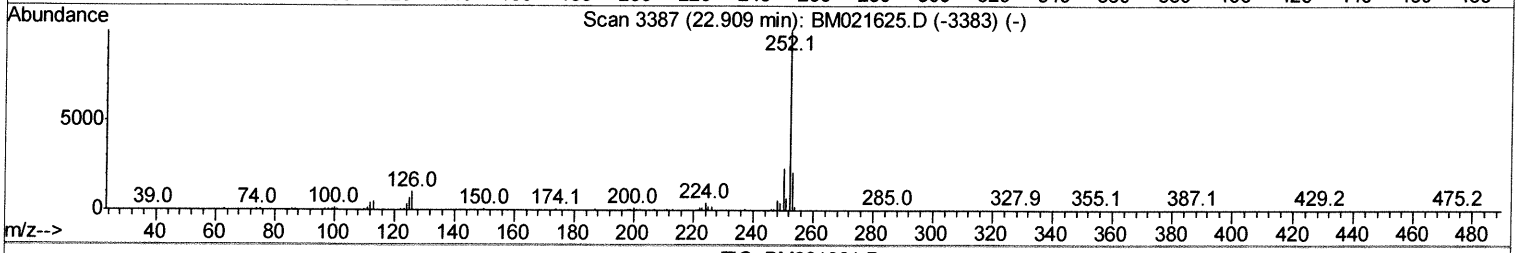
Quant Time: Jul 26 08:04:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 01:21:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP13

Manual Integrations APPROVED
mohammad
7/26/2019 3:24:35 PM







TIC: BM021661.D

(88) Benzo(k)fluoranthene

22.856min (-0.053) 6.25ng/ul

response 477667

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	21.78
125.00	8.00	8.87
0.00	0.00	0.00

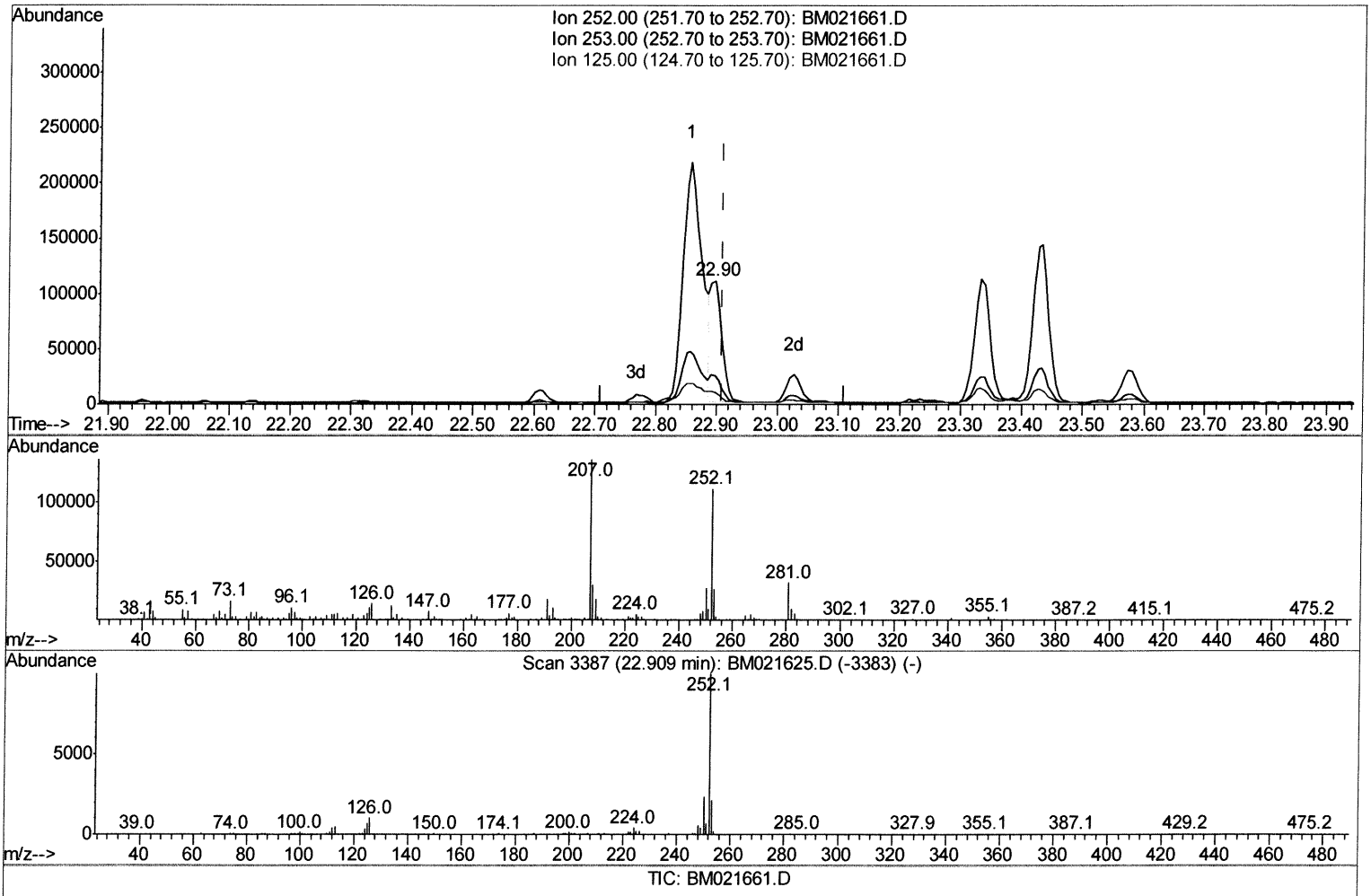
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021661.D
Acq On : 26 Jul 2019 06:45
Operator : HP/JU
Sample : K3893-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jul 26 08:04:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 01:21:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP13

Manual Integrations APPROVED
mohammad
7/26/2019 3:24:35 PM



TIC: BM021661.D

(88) Benzo(k)fluoranthene

22.897min (-0.012) 1.85ng/ul m JU 07/26/19

response 141344

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	23.65
125.00	8.00	9.53
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021661.D
Acq On : 26 Jul 2019 06:45
Operator : HP/JU
Sample : K3893-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP13

Manual Integrations APPROVED
mohammad
7/26/2019 3:24:35 PM

Quant Time: Jul 26 08:15:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 01:21:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	136338	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	649899	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.34	164	465871	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1108845	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	1287165	20.00	ng/ul	0.00
85) Perylene-d12	23.53	264	1288125	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	11199	4.48	ng/uL	0.00
5) Phenol-d5	6.87	99	262503	22.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	161363	24.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	222167	24.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	215952	21.86	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	127039	26.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	142242	27.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	286649	24.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	290386	26.01	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	1005913	25.20	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	1139166	23.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	101942	14.89	ng/ul	0.00
57) Fluorene-d10	15.34	176	915400	25.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.48	200	88572	12.76	ng/ul	0.00
70) Anthracene-d10	17.19	188	1520009	27.86	ng/ul	0.00
78) Pyrene-d10	19.49	212	1873256	29.82	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.39	264	1867181	27.15	ng/ul	-0.01
Target Compounds						Qvalue
44) Dimethylphthalate	13.80	163	138047	3.602	ng/ul	99
69) Phenanthrene	17.13	178	165685	2.739	ng/ul	99
76) Fluoranthene	19.16	202	576413	7.686	ng/ul	99
79) Pyrene	19.52	202	503744	6.570	ng/ul	100
82) Benzo(a)anthracene	21.27	228	266186	3.155	ng/ul	98
84) Chrysene	21.32	228	341329	4.242	ng/ul	97
87) Benzo(b)fluoranthene	22.86	252	477667	6.134	ng/ul#	98
88) Benzo(k)fluoranthene	22.90	252	141344m>	1.850	ng/ul →	JU 07/26/19
90) Benzo(a)pyrene	23.43	252	259551	3.471	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.78	276	183796	2.024	ng/ul	96
93) Benzo(g,h,i)perylene	26.47	276	142958	1.944	ng/ul	100

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