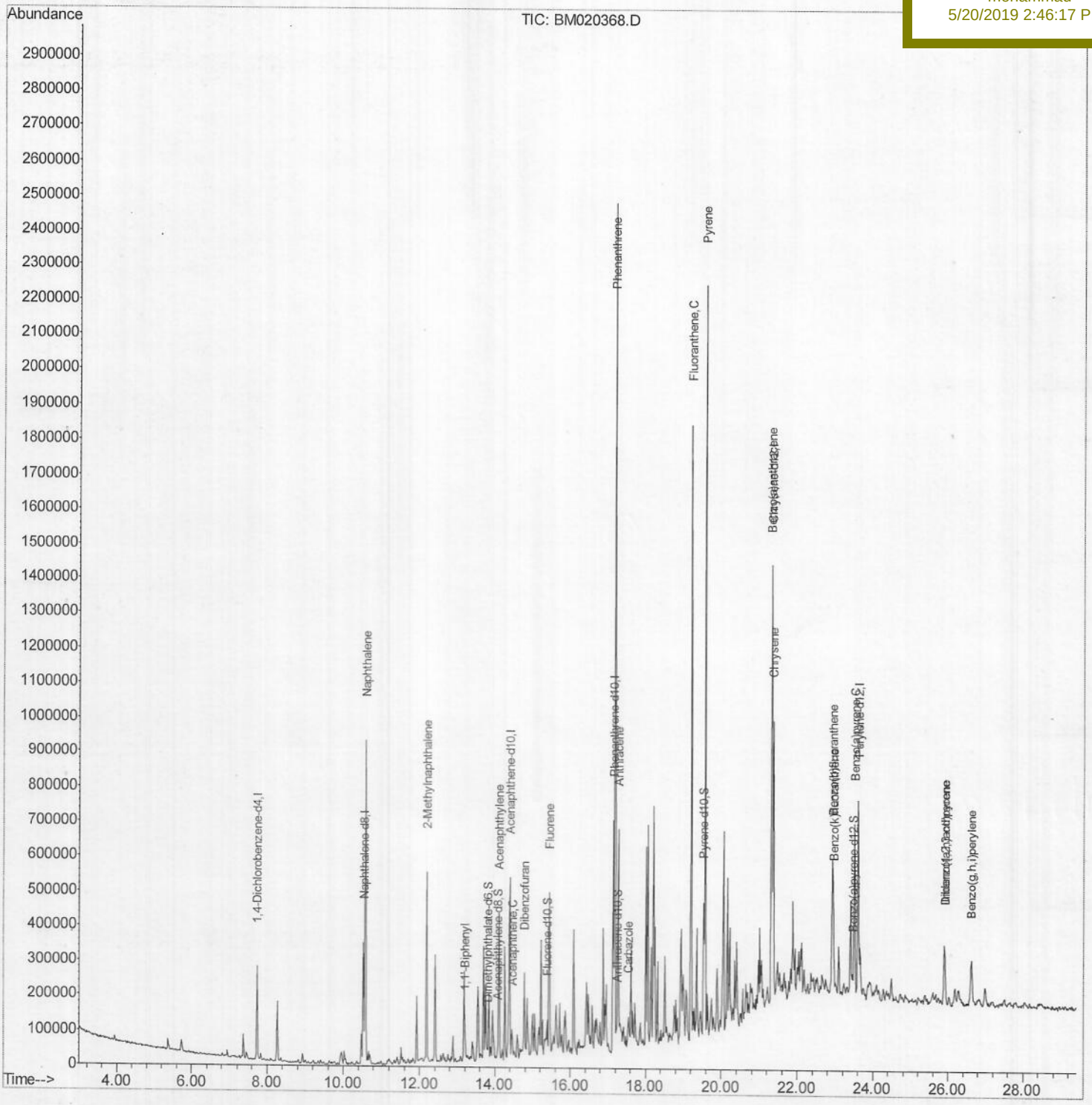
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
Data File : BM020368.D
Acq On : 17 May 2019 17:02
Operator : JU/SJ
Sample : K2604-02DL 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 18 04:15:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 02:51:01 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Manual Integrations APPROVED
mohammad
5/20/2019 2:46:17 PM



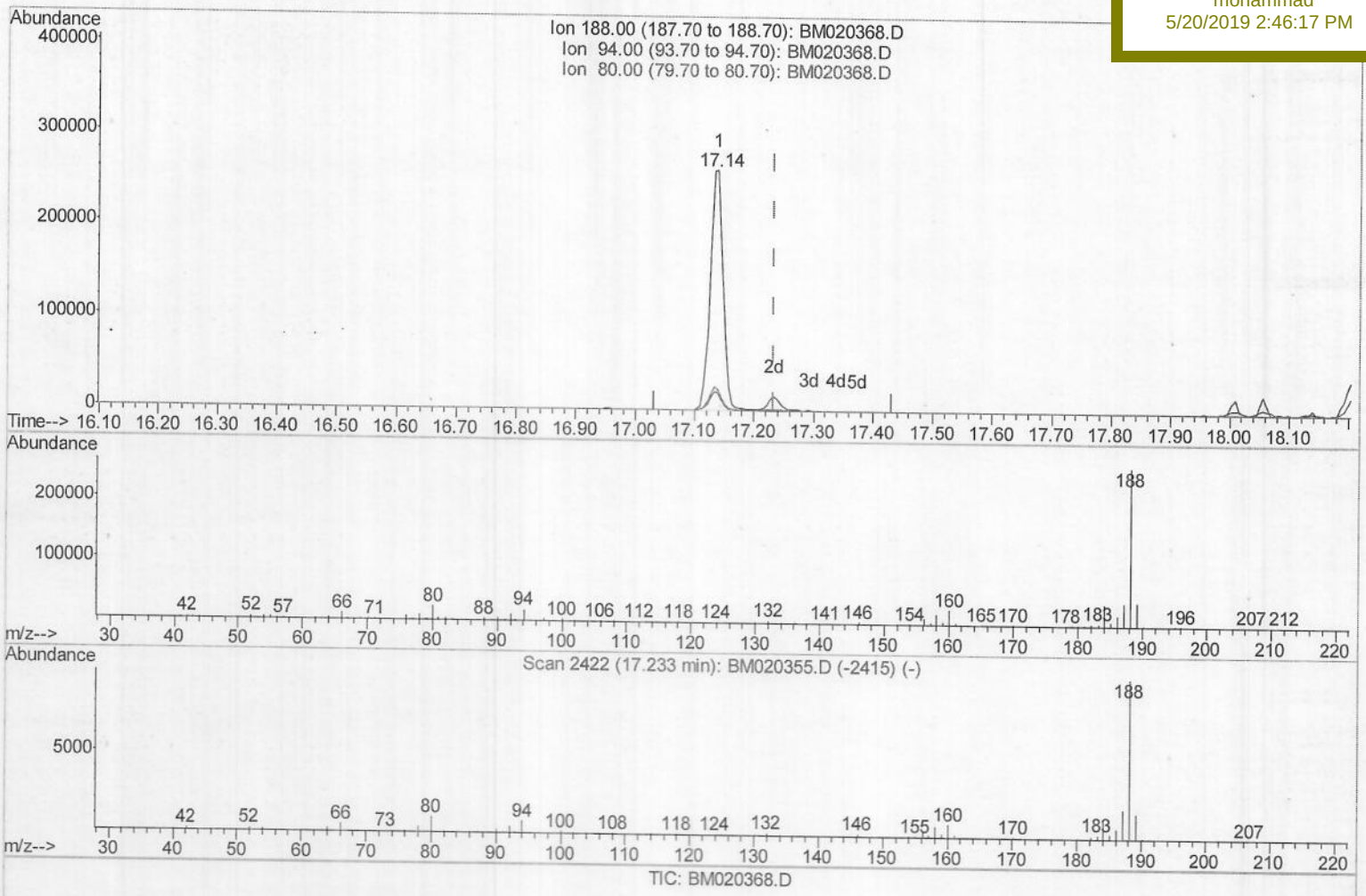
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
Data File : BM020368.D
Acq On : 17 May 2019 17:02
Operator : JU/SJ
Sample : K2604-02DL 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 18 02:56:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 02:51:01 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Manual Integrations APPROVED
mohammad
5/20/2019 2:46:17 PM



(70) Anthracene-d10 (S)

17.139min (-0.094) 23.31ng/ul

response 393290

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	7.19
80.00	9.20	8.80
0.00	0.00	0.00

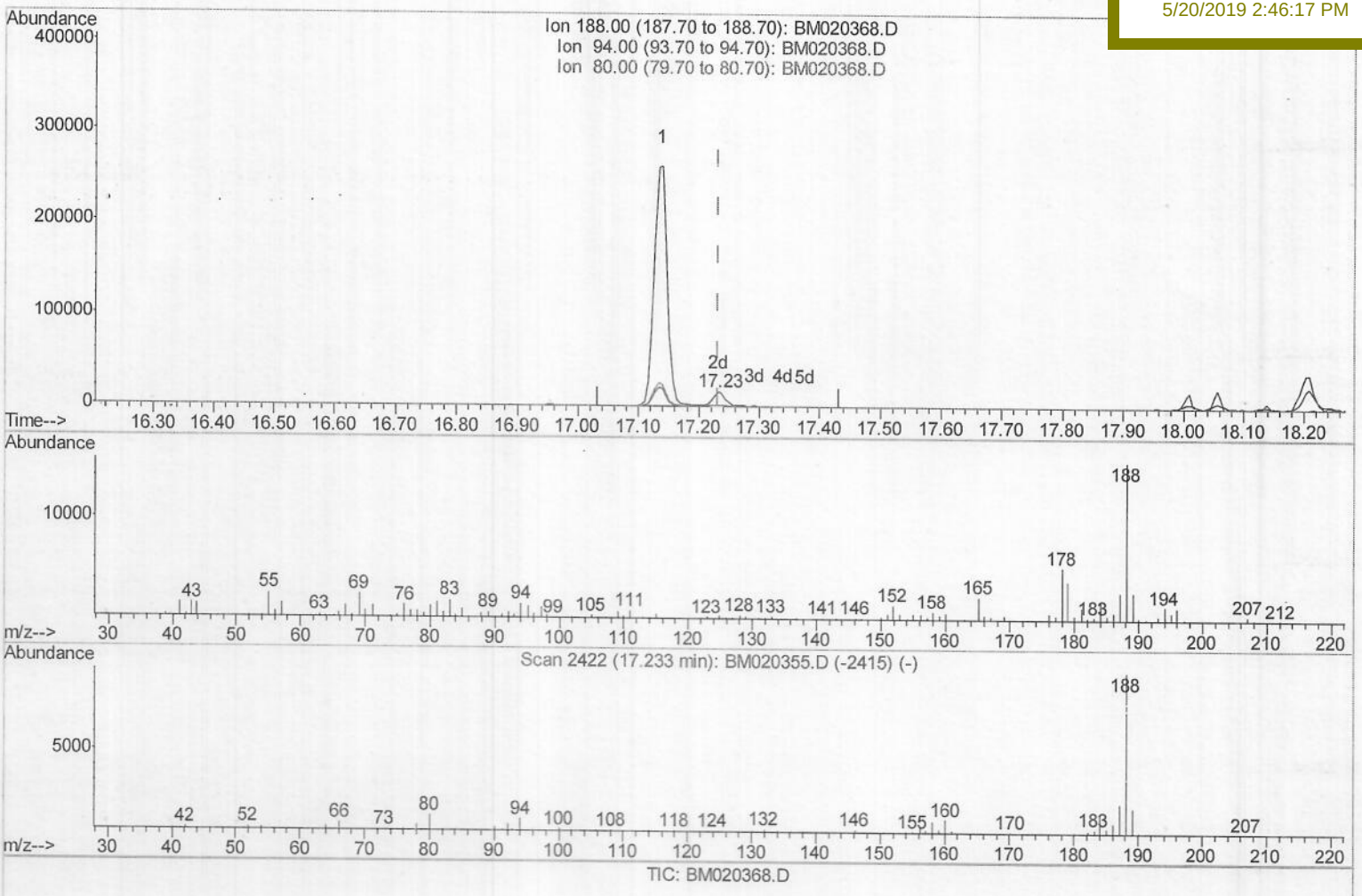
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
Data File : BM020368.D
Acq On : 17 May 2019 17:02
Operator : JU/SJ
Sample : K2604-02DL 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 18 02:56:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 02:51:01 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Manual Integrations APPROVED
mohammad
5/20/2019 2:46:17 PM



TIC: BM020368.D

(70) Anthracene-d10 (S)

17.233min (+0.000) 1.36ng/ul m) JU 05/21/19

response 23008

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	10.98#
80.00	9.20	9.62
0.00	0.00	0.00

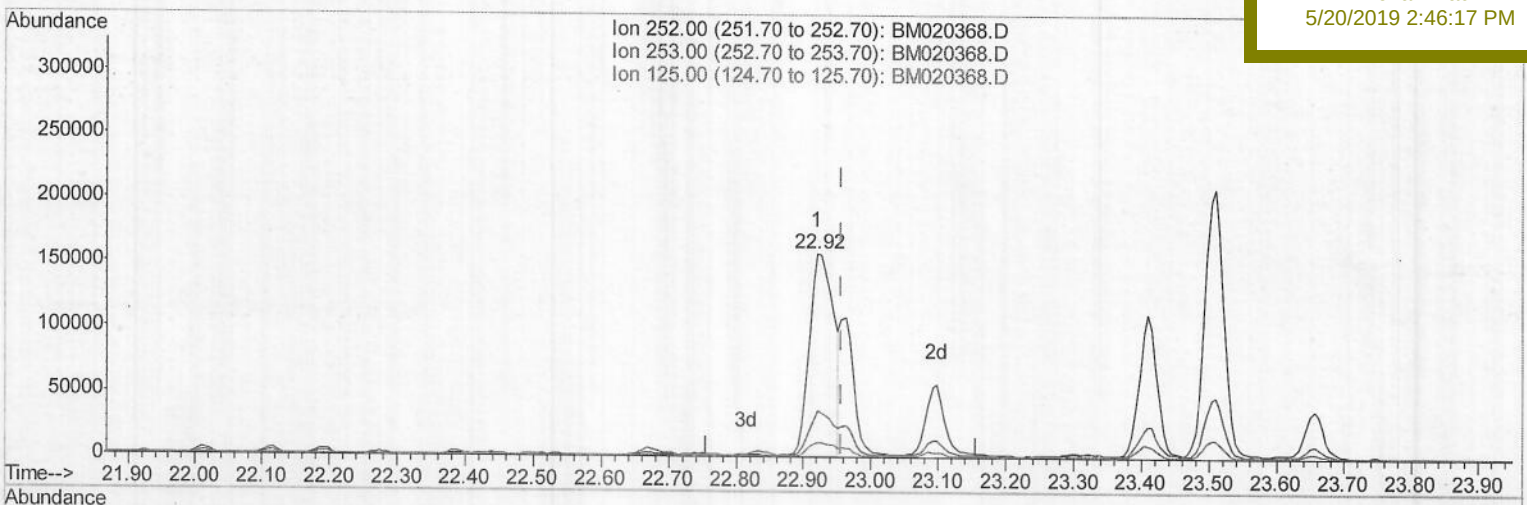
Quantitation Report (Qedit)

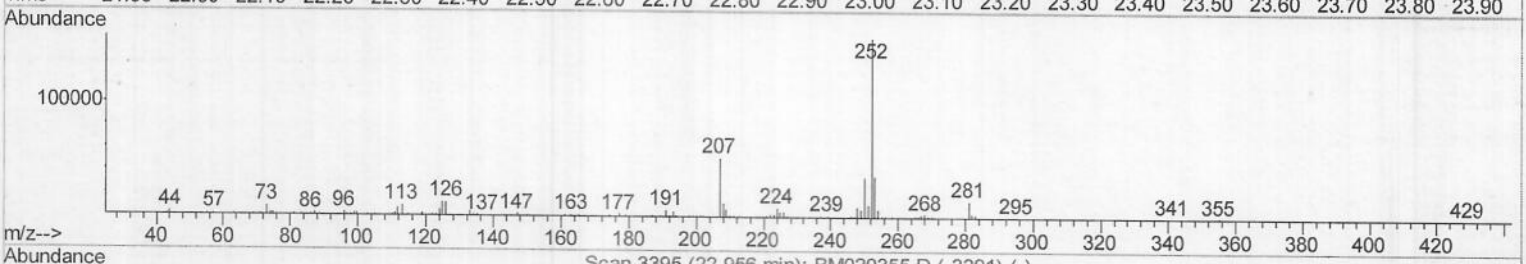
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
Data File : BM020368.D
Acq On : 17 May 2019 17:02
Operator : JU/SJ
Sample : K2604-02DL 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

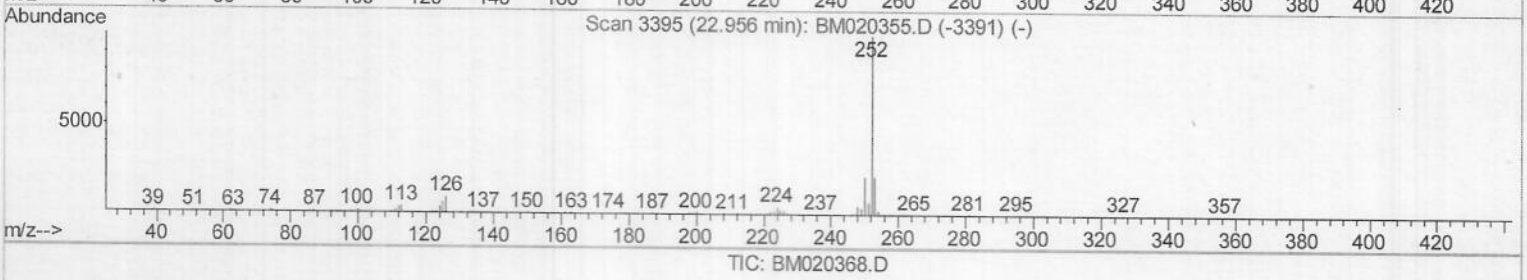
Quant Time: May 18 02:56:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 02:51:01 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Manual Integrations APPROVED
mohammad
5/20/2019 2:46:17 PM







TIC: BM020368.D

(88) Benzo(k)fluoranthene

22.921min (-0.035) 15.90ng/ul

response 393147

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	22.73
125.00	6.30	7.48
0.00	0.00	0.00

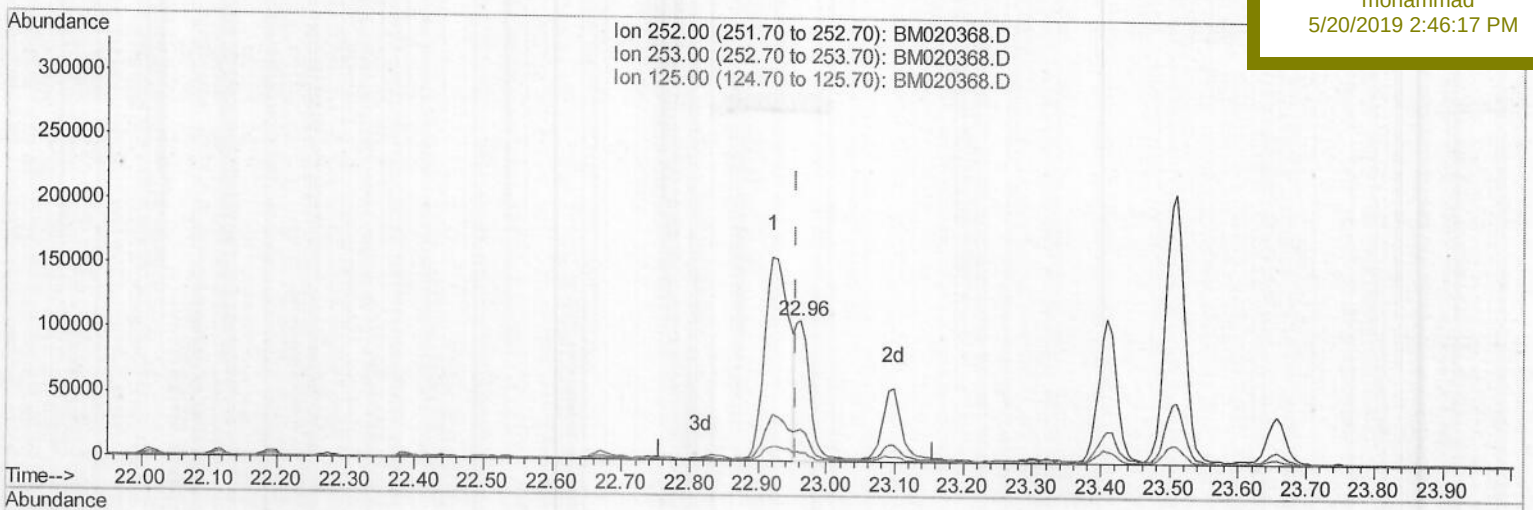
Quantitation Report (Qedit)

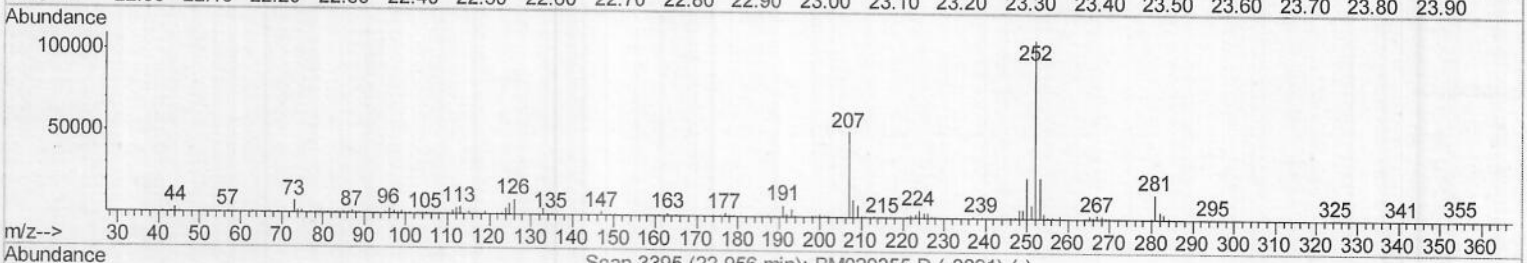
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
Data File : BM020368.D
Acq On : 17 May 2019 17:02
Operator : JU/SJ
Sample : K2604-02DL 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

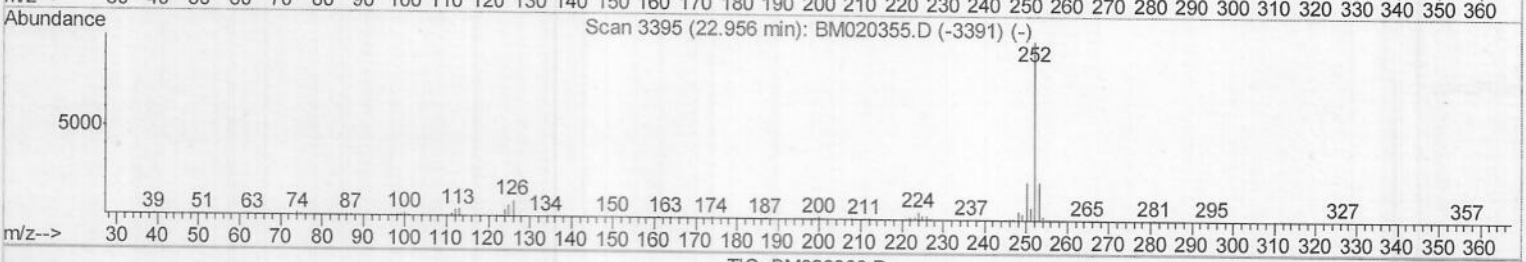
Quant Time: May 18 02:56:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 02:51:01 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ76DL

Manual Integrations APPROVED
mohammad
5/20/2019 2:46:17 PM







TIC: BM020368.D

(88) Benzo(k)fluoranthene

22.962min (+0.006) 6.26ng/ul m) JU 05/21/19

response 154838

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	22.67
125.00	6.30	6.12
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
Data File : BM020368.D
Acq On : 17 May 2019 17:02
Operator : JU/SJ
Sample : K2604-02DL 30X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 18 04:15:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 02:51:01 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : GAJ76DL

Manual Integrations APPROVED
mohammad
5/20/2019 2:46:17 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	72680	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	270437	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	168850	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	393290	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	393169	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	441054	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.90	99	3220	0.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	2297	0.62	ng/ul	0.01
9) 2-Chlorophenol-d4	7.26	132	3239	0.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	2318	0.55	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	929	0.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	1097	0.57	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.16	165	1593	0.39	ng/ul	0.01
29) 4-Chloroaniline-d4	10.70	131	3230	0.76	ng/ul	0.03
43) Dimethylphthalate-d6	13.80	166	14764	1.22	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	16622	1.09	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.38	176	13790	1.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	619	0.28	ng/ul	0.00
70) Anthracene-d10	17.23	188	23008m	1.36	ng/ul	0.00
78) Pyrene-d10	19.53	212	24599	1.30	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.46	264	23815	1.19	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.57	128	707216	56.918	ng/ul	99
34) 2-Methylnaphthalene	12.19	142	247715	27.535	ng/ul	97
40) 1,1'-Biphenyl	13.21	154	32680	2.704	ng/ul	99
47) Acenaphthylene	14.10	152	239875	16.740	ng/ul	97
49) Acenaphthene	14.45	153	32281	3.277	ng/ul	95
53) Dibenzofuran	14.79	168	73193	4.906	ng/ul	100
58) Fluorene	15.43	166	210452	17.610	ng/ul	99
69) Phenanthrene	17.18	178	1384554	73.885	ng/ul	99
71) Anthracene	17.27	178	379300	19.898	ng/ul	100
74) Carbazole	17.54	167	17527	1.083	ng/ul#	78
76) Fluoranthene	19.20	202	1058559	44.719	ng/ul	99
79) Pyrene	19.57	202	1327786	56.265	ng/ul	100
82) Benzo(a)anthracene	21.32	228	536826	22.685	ng/ul	96
84) Chrysene	21.37	228	458501	20.275	ng/ul	95
87) Benzo(b)fluoranthene	22.92	252	393147	15.618	ng/ul#	97
88) Benzo(k)fluoranthene	22.96	252	154838m	6.262	ng/ul	
90) Benzo(a)pyrene	23.51	252	403819	17.047	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.90	276	171642	6.359	ng/ul	98
92) Dibenzo(a,h)anthracene	25.91	278	50830	2.202	ng/ul#	89
93) Benzo(g,h,i)perylene	26.61	276	158052	7.074	ng/ul#	95

JU 05/21/19

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