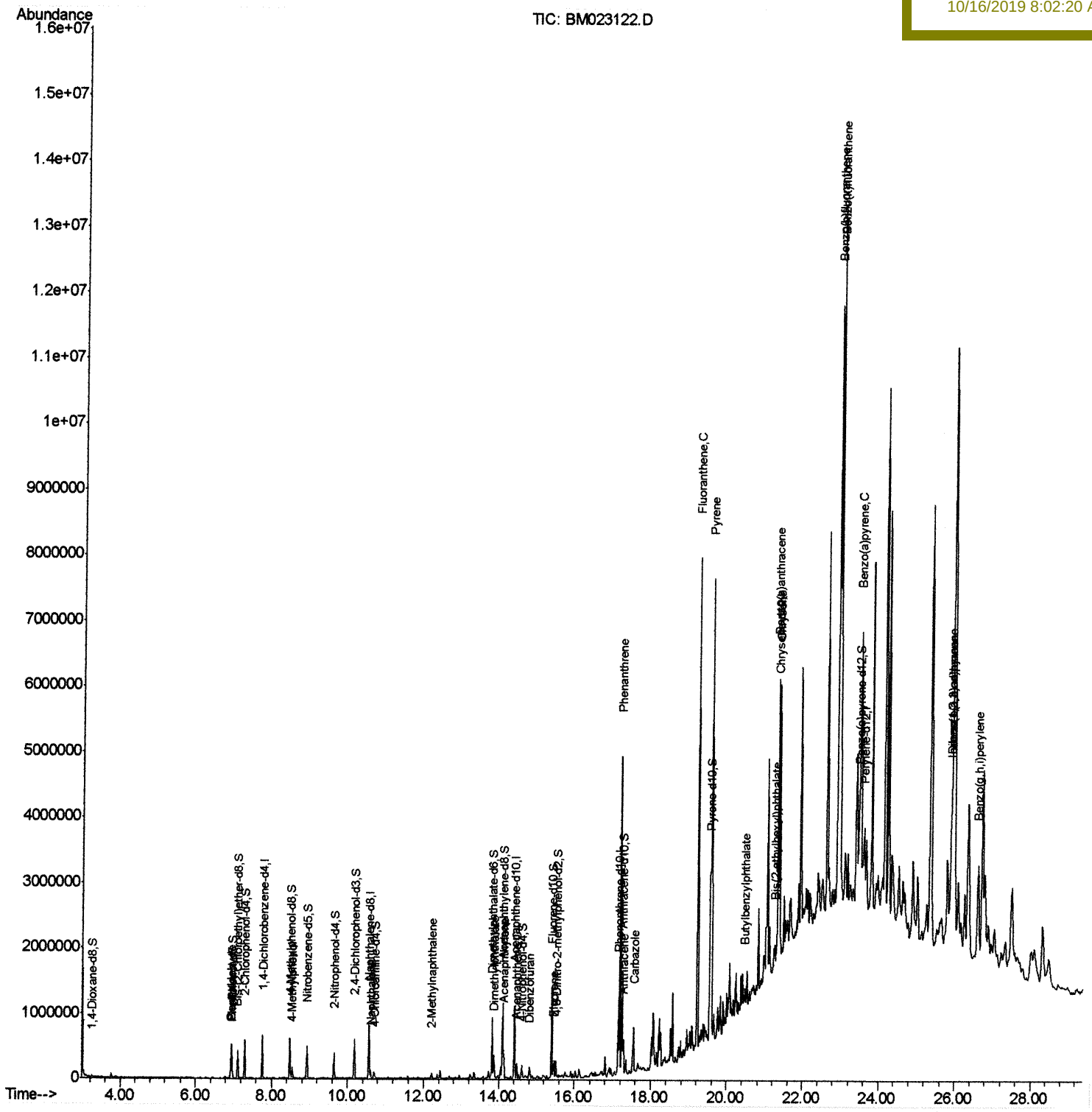
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 00:00:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM



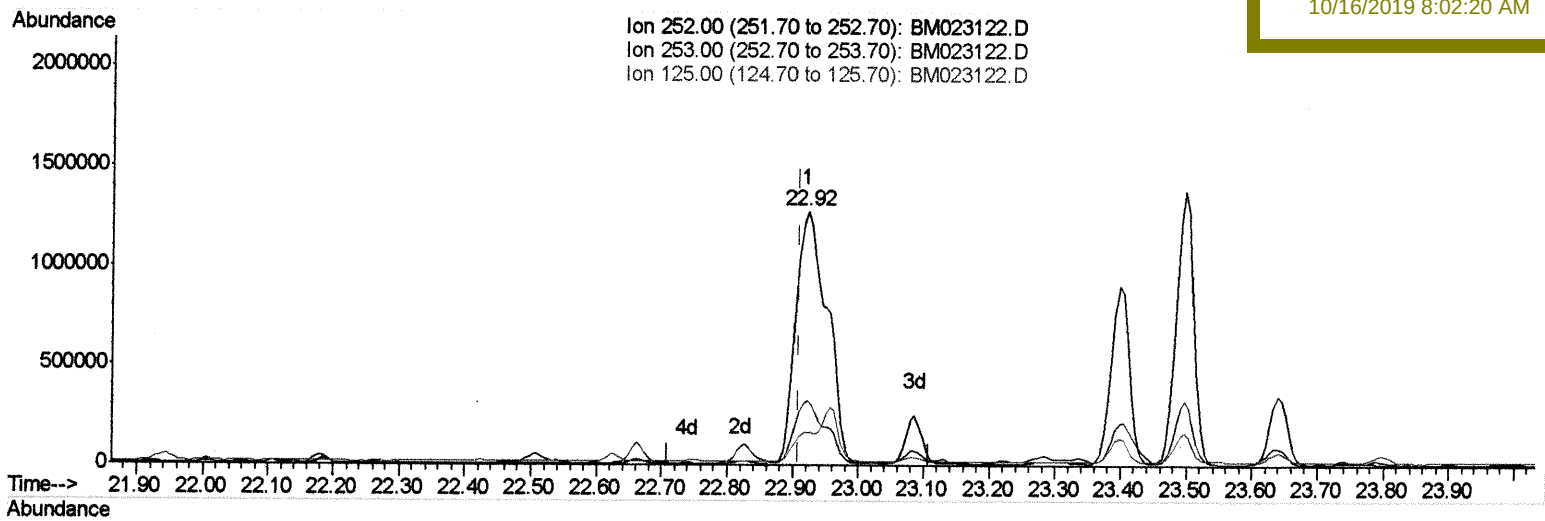
Quantitation Report (Qedit)

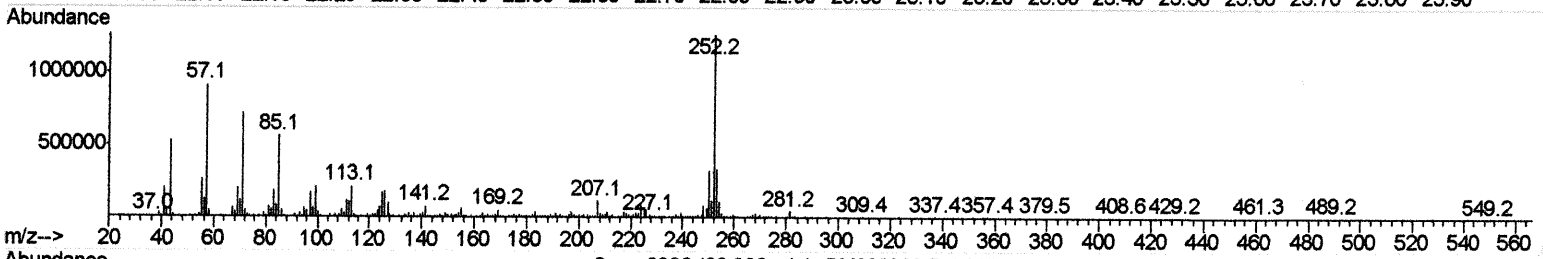
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

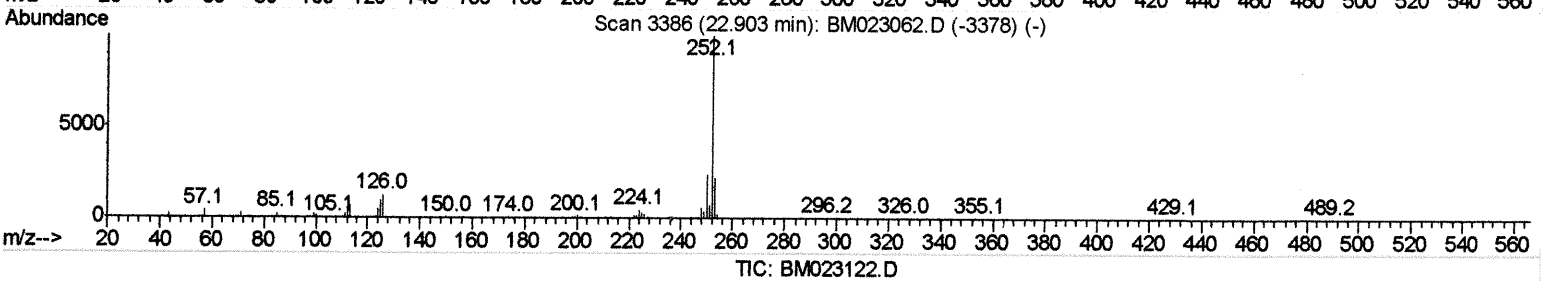
Quant Time: Oct 11 22:47:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM







TIC: BM023122.D

(88) Benzo(b)fluoranthene

22.921min (+0.012) 78.17ng/ul

response 4186970

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	25.81
125.00	10.20	13.35#
0.00	0.00	0.00

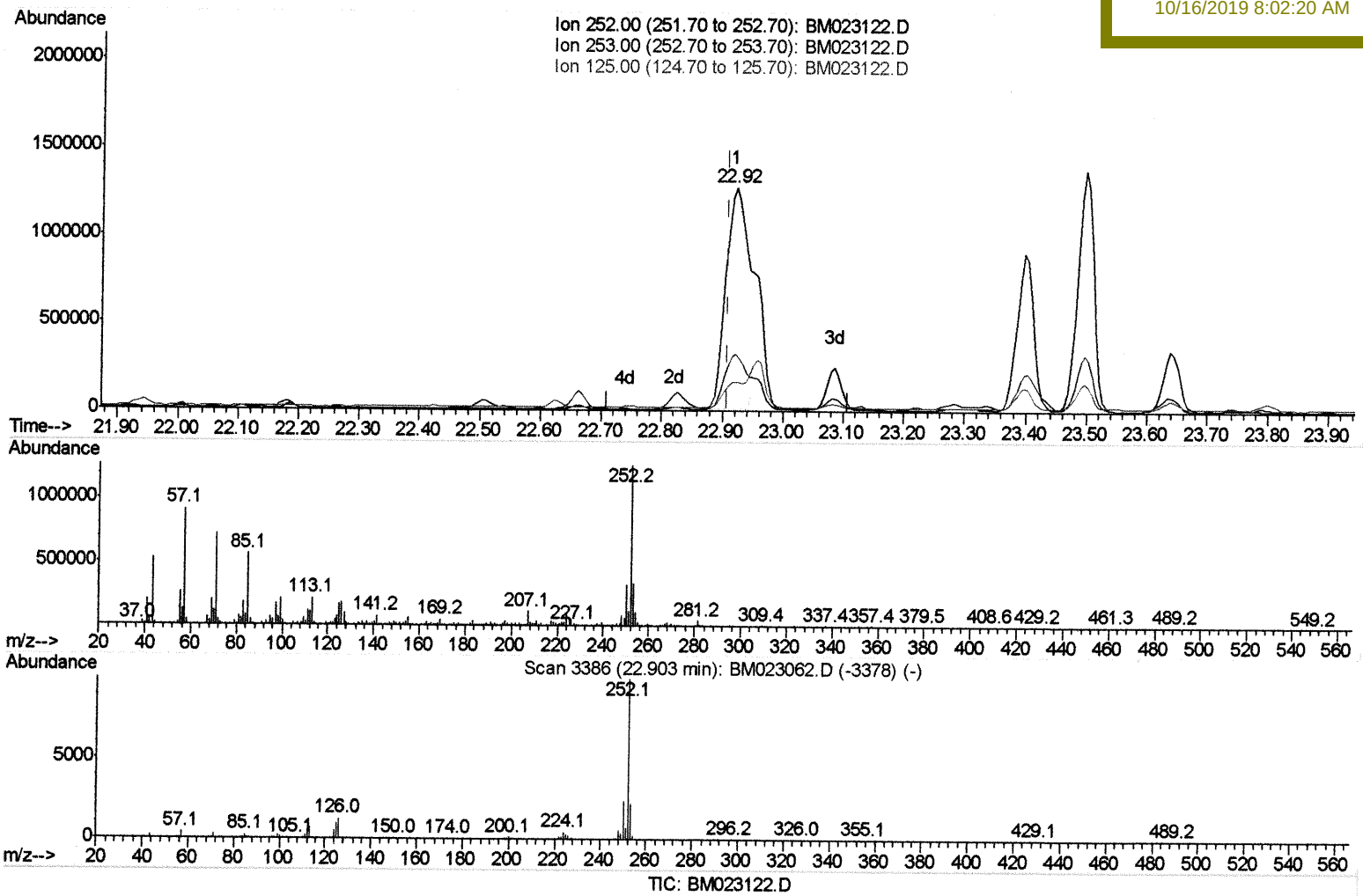
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 22:47:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM



TIC: BM023122.D

(88) Benzo(b)fluoranthene

22.921min (+0.012) 58.78ng/ul m JU 10/16/19

response 3148367

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	25.81
125.00	10.20	13.35#
0.00	0.00	0.00

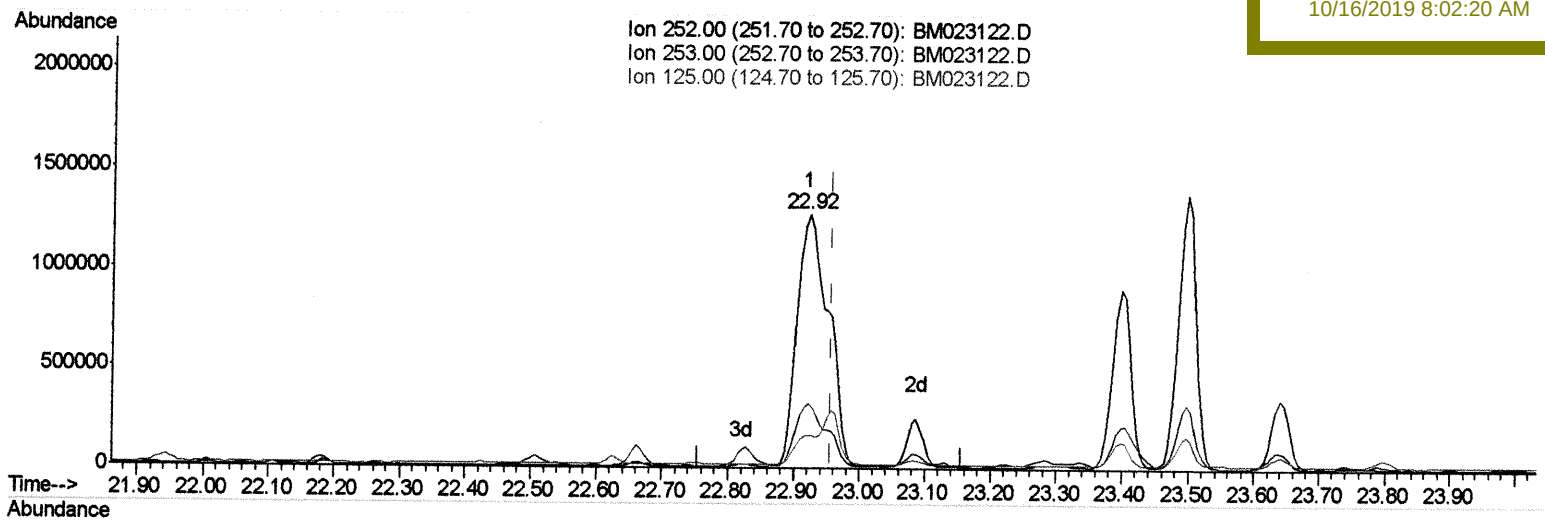
Quantitation Report (Qedit)

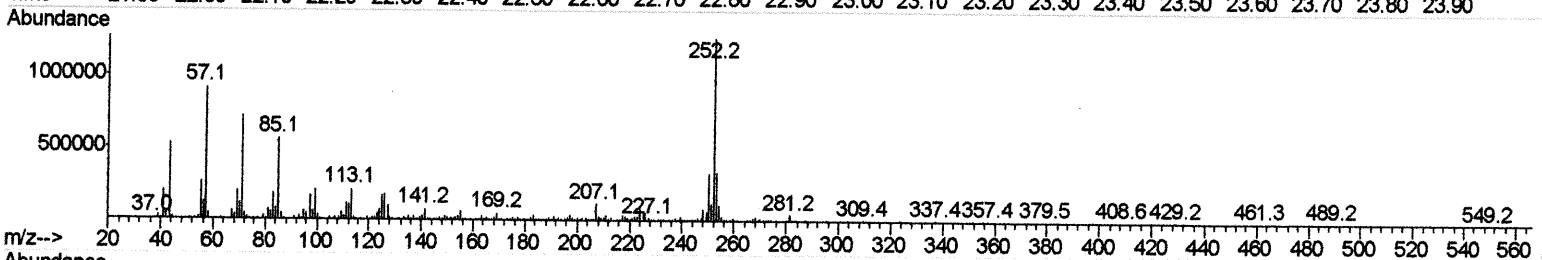
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

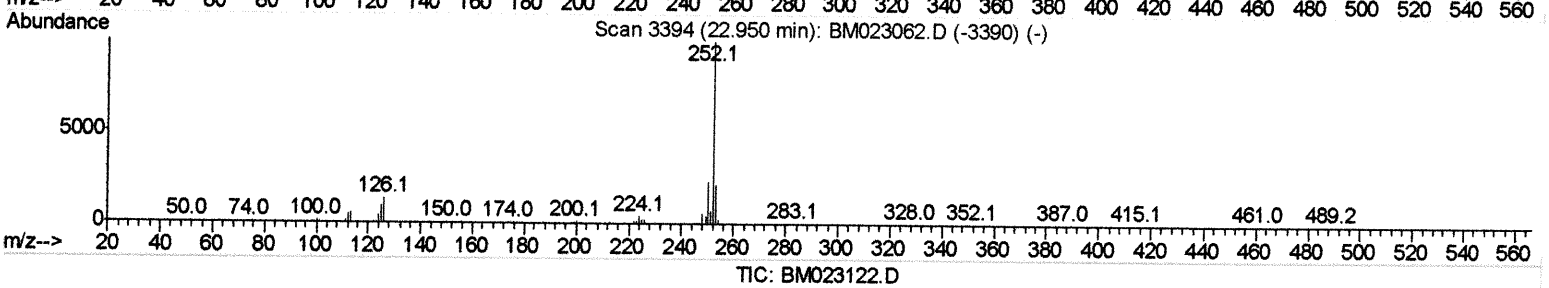
Quant Time: Oct 11 22:47:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM







TIC: BM023122.D

(89) Benzo(k)fluoranthene

22.921min (-0.035) 81.71ng/ul

response 4186970

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	25.81
125.00	9.90	13.35#
0.00	0.00	0.00

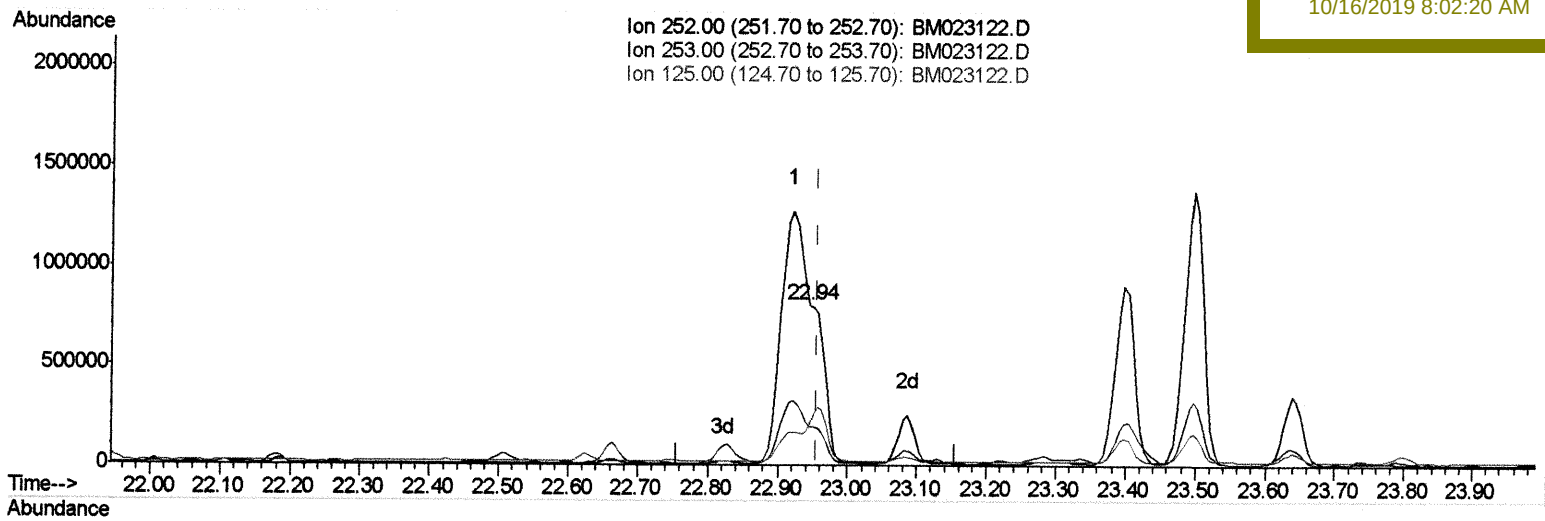
Quantitation Report (Qedit)

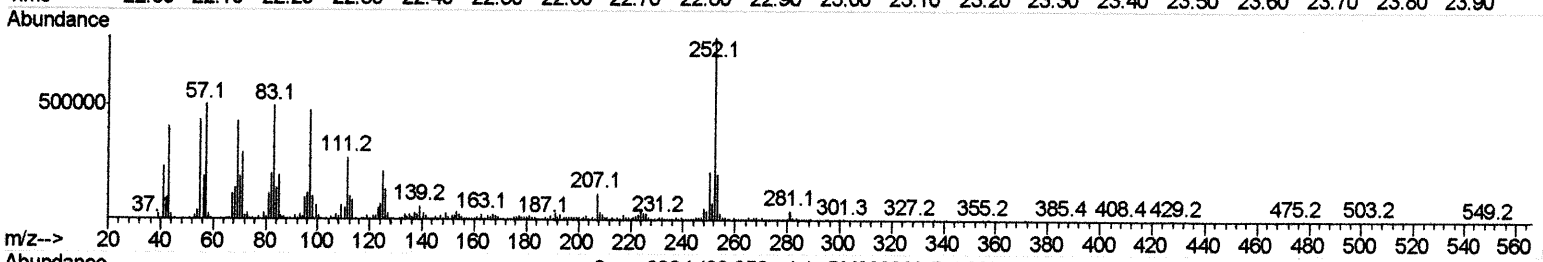
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

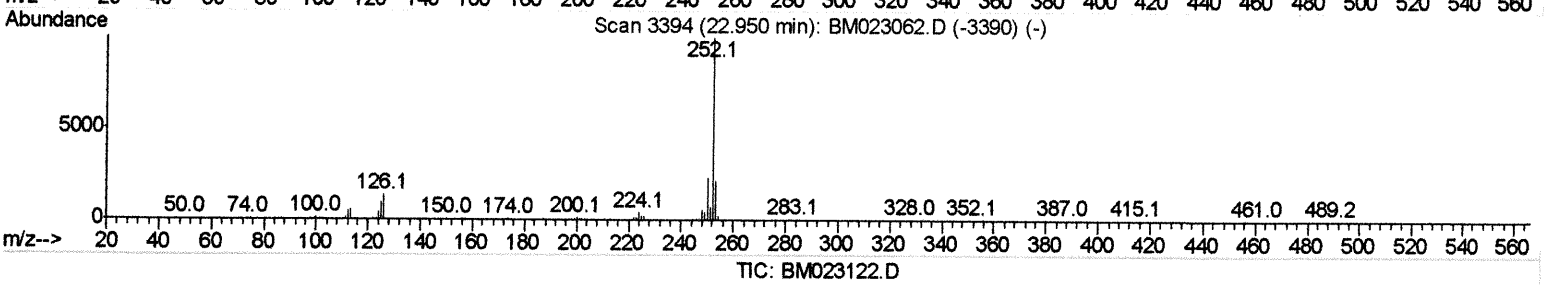
Quant Time: Oct 11 22:47:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM







TIC: BM023122.D

(89) Benzo(k)fluoranthene

22.944min (-0.012) 19.25ng/ul m JU 10\16\19

response 986646

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	24.55
125.00	9.90	25.87#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 00:00:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : JLM51

Manual Integrations APPROVED
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10/16/2019 8:02:20 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	188202	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	706865	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.40	164	360887	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.14	188	667724	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	668950	20.00	ng/ul	0.00
86) Perylene-d12	23.59	264	807088	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	17221	3.96	ng/uL	0.00
5) Phenol-d5	6.94	99	304897	18.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	192642	21.17	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.30	132	277666	20.74	ng/ul	-0.01
13) 4-Methylphenol-d8	8.47	113	240688	17.68	ng/ul	-0.01
19) Nitrobenzene-d5	8.92	128	128427	23.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	133127	22.35	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.17	165	236619	19.95	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.70	131	83237	5.78	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	623097	22.25	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	757860	23.44	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	47204	8.53	ng/ul	0.00
58) Fluorene-d10	15.40	176	520310	21.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	55848	12.85	ng/ul	0.00
71) Anthracene-d10	17.24	188	747755	22.93	ng/ul	0.00
79) Pyrene-d10	19.54	212	811504	22.54	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.45	264	953358	22.83	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.92	77	13513	1.793	ng/ul	97
6) Phenol	6.96	94	67007	3.844	ng/ul	99
16) 4-Methylphenol	8.53	108	69181	4.657	ng/ul	90
28) Naphthalene	10.60	128	108711	2.848	ng/ul	99
34) 2-Methylnaphthalene	12.22	142	40544	1.417	ng/ul	98
45) Dimethylphthalate	13.86	163	210380	7.312	ng/ul	99
48) Acenaphthylene	14.13	152	329927	9.451	ng/ul	100
50) Acenaphthene	14.47	153	90638	3.727	ng/ul	99
54) Dibenzofuran	14.80	168	81480	2.346	ng/ul	98
59) Fluorene	15.45	166	102070	3.637	ng/ul	98
70) Phenanthrene	17.19	178	2954156	74.130	ng/ul	99
72) Anthracene	17.28	178	346205	8.526	ng/ul	100
75) Carbazole	17.54	167	428298	11.868	ng/ul	99
77) Fluoranthene	19.21	202	4420684	98.632	ng/ul	100
80) Pyrene	19.57	202	4397058	92.725	ng/ul	99
81) Butylbenzylphthalate	20.47	149	36843	1.889	ng/ul	88
83) Benzo(a)anthracene	21.32	228	1809191	37.670	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.25	149	68282	2.464	ng/ul#	96
85) Chrysene	21.37	228	2282897	51.555	ng/ul	97
88) Benzo(b)fluoranthene	22.92	252	3148367m	58.782	ng/ul	} JH 10/16/19
89) Benzo(k)fluoranthene	22.94	252	986646m	19.255	ng/ul	}
91) Benzo(a)pyrene	23.50	252	2566138	51.069	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.89	276	1842784	34.527	ng/ul	96

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023122.D
Acq On : 11 Oct 2019 10:32
Operator : JU
Sample : K5124-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 00:00:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.89	278	408464	9.148 ng/ul#	87
94) Benzo(g,h,i)perylene	26.60	276	1805707	41.935 ng/ul	98

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

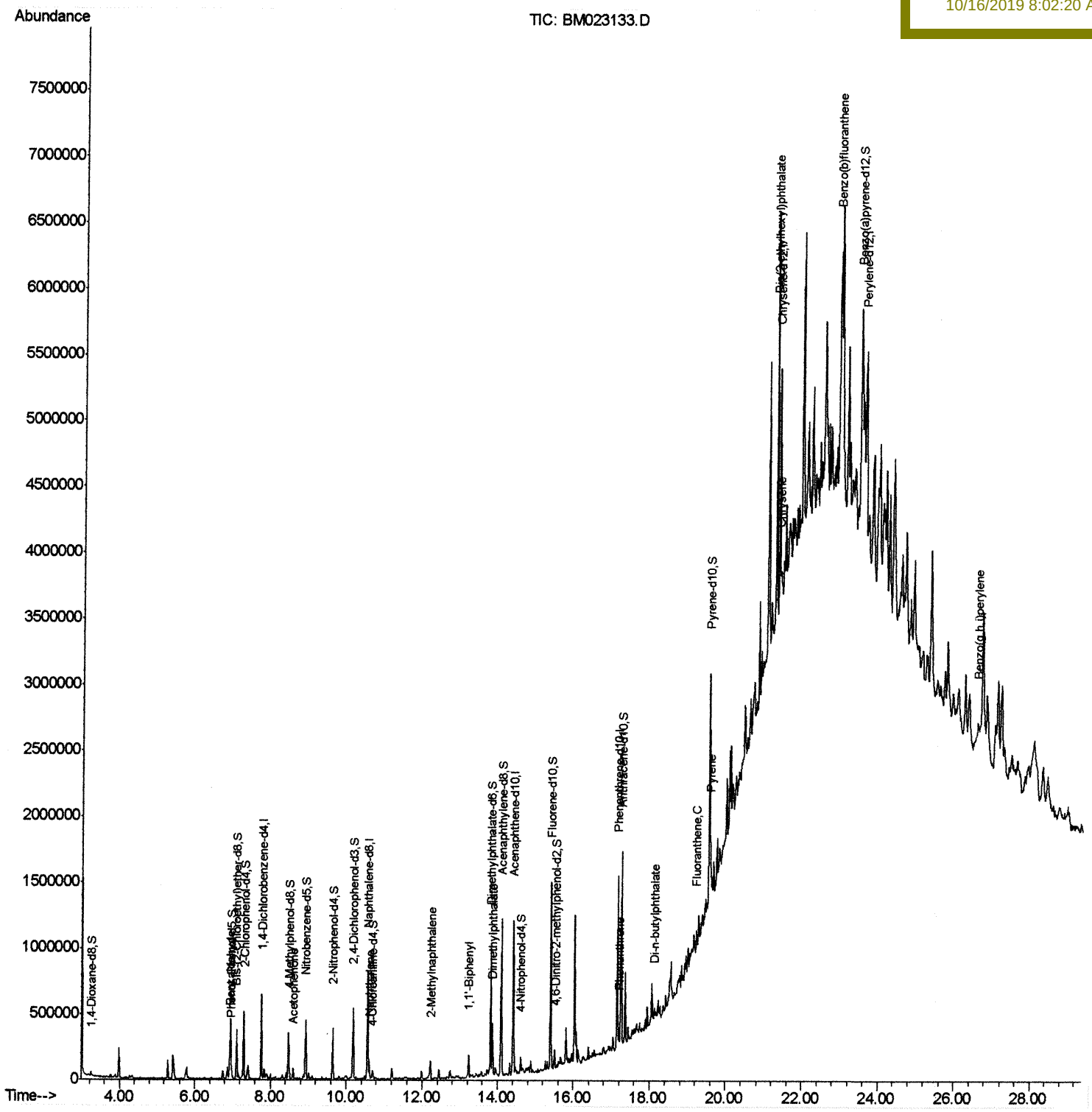
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023133.D
Acq On : 11 Oct 2019 17:08
Operator : JU
Sample : K5124-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 12 00:50:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM



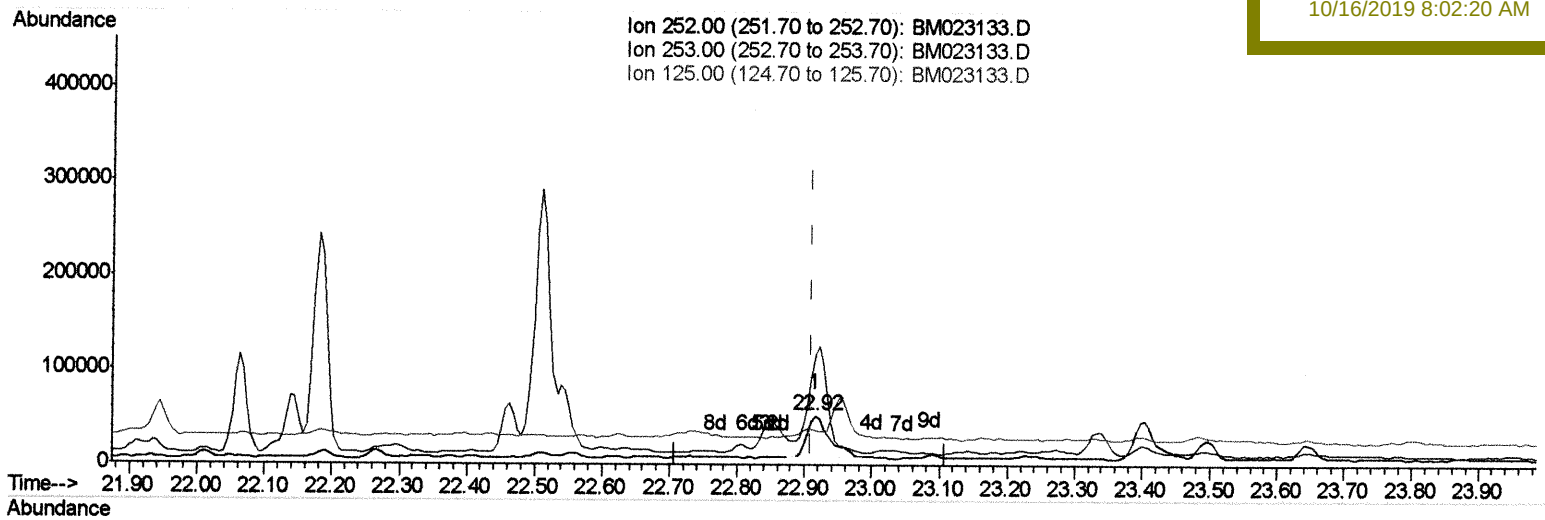
Quantitation Report (Qedit)

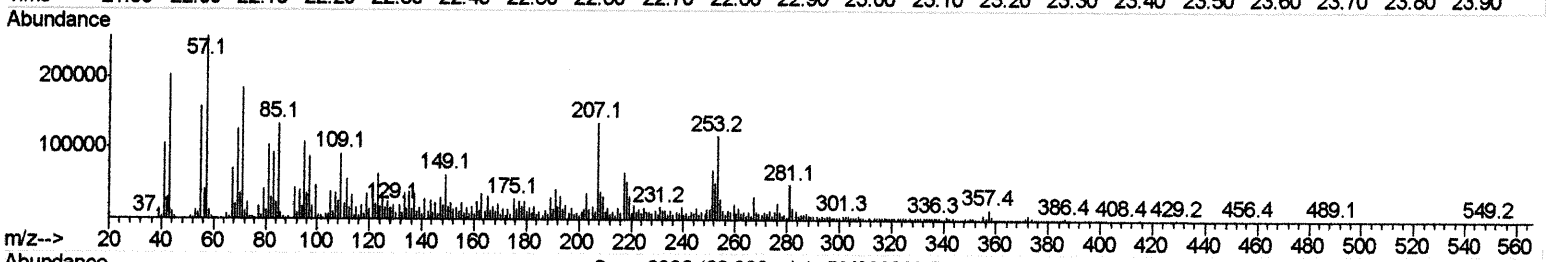
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023133.D
Acq On : 11 Oct 2019 17:08
Operator : JU
Sample : K5124-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

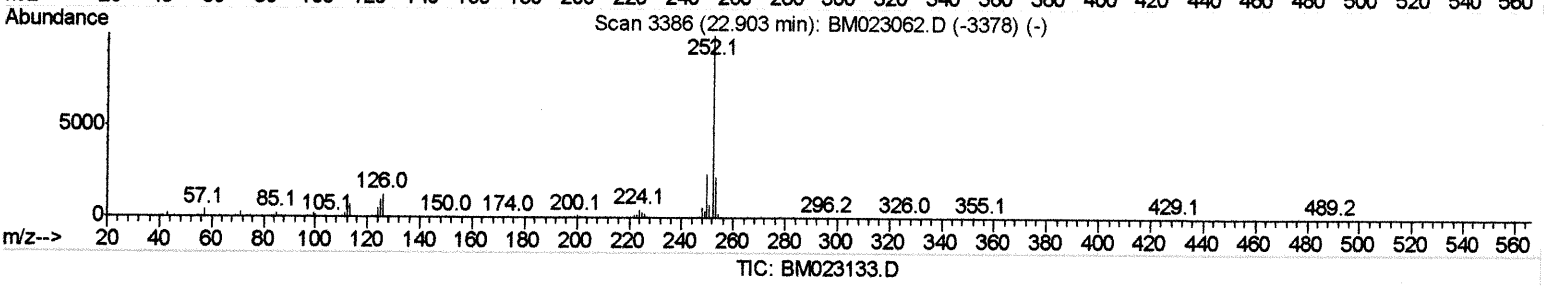
Quant Time: Oct 12 00:48:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM







TIC: BM023133.D

(88) Benzo(b)fluoranthene

22.915min (+0.006) 1.84ng/ul

response 107407

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	226.80#
125.00	10.20	72.83#
0.00	0.00	0.00

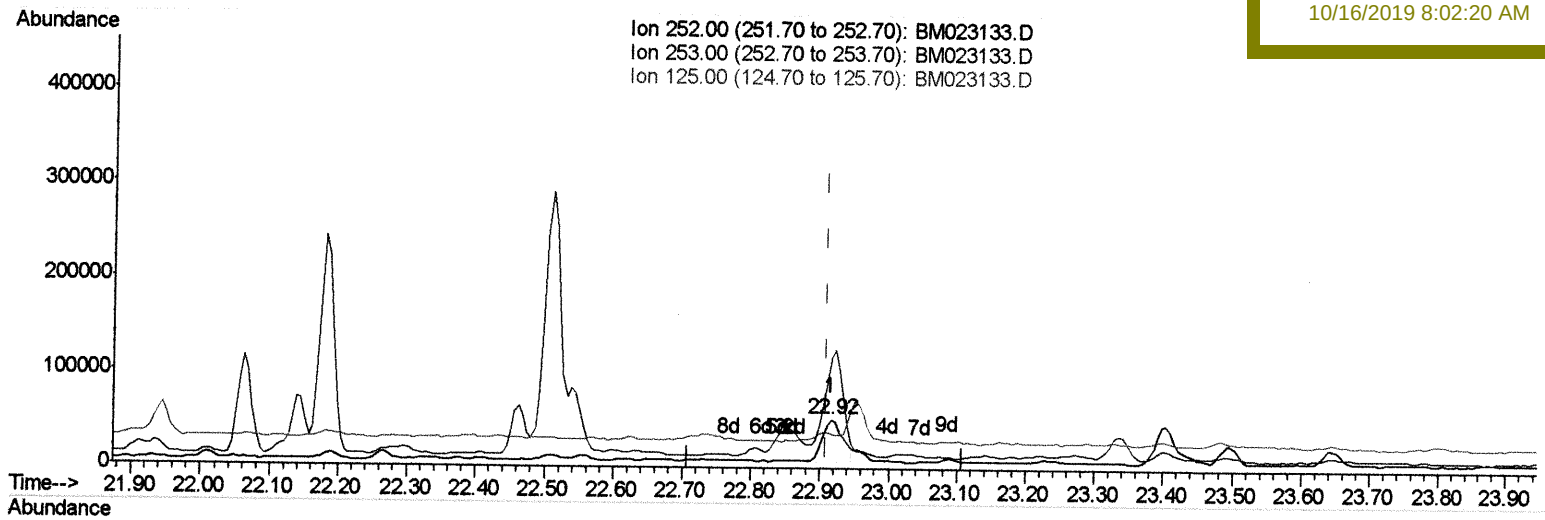
Quantitation Report (Qedit)

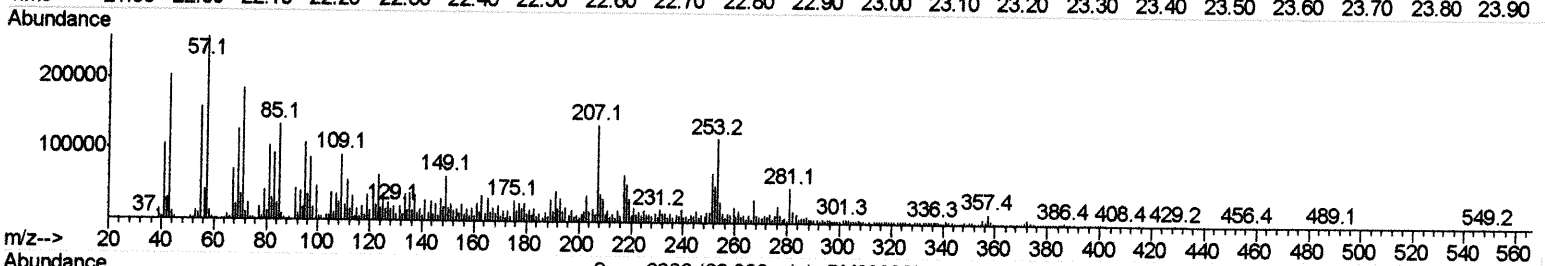
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023133.D
Acq On : 11 Oct 2019 17:08
Operator : JU
Sample : K5124-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

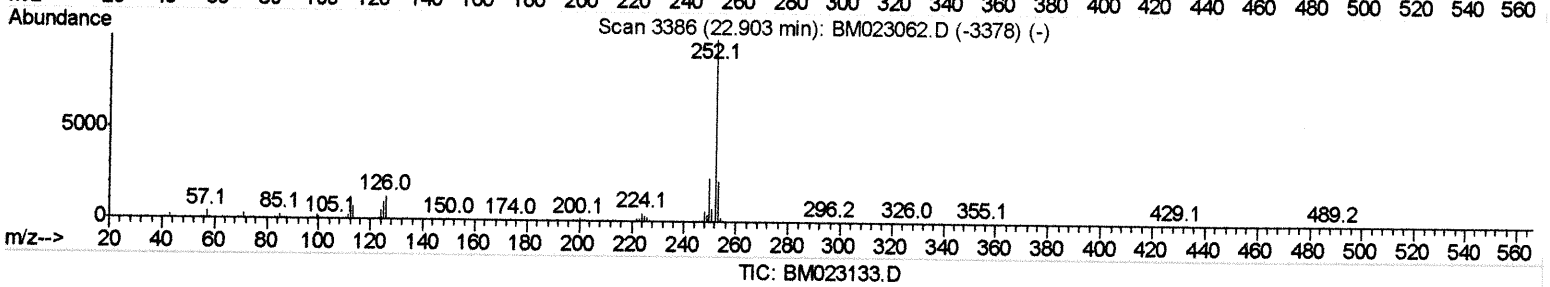
Quant Time: Oct 12 00:48:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM







TIC: BM023133.D

(88) Benzo(b)fluoranthene

22.915min (+0.006) 1.59ng/ul m JU 10/16/19

response 93020

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	226.80#
125.00	10.20	72.83#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
Data File : BM023133.D
Acq On : 11 Oct 2019 17:08
Operator : JU
Sample : K5124-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLM51

Manual Integrations APPROVED
mohammad
10/16/2019 8:02:20 AM

Quant Time: Oct 12 00:50:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	179770	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	688369	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.40	164	381010	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.15	188	734559	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	742469	20.00	ng/ul	0.00
86) Perylene-d12	23.60	264	881534	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	16561	3.98	ng/uL	0.00
5) Phenol-d5	6.94	99	254669	16.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	169721	19.52	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.30	132	241542	18.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.48	113	134378	10.33	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	120057	22.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	130550	22.50	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.18	165	209363	18.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	46341	3.30	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	632683	21.40	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	756371	22.15	ng/ul	0.00
52) 4-Nitrophenol-d4	14.61	143	30127	5.16	ng/ul	0.00
58) Fluorene-d10	15.40	176	543431	21.56	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	29383	6.15	ng/ul	0.00
71) Anthracene-d10	17.25	188	798764	22.27	ng/ul	0.00
79) Pyrene-d10	19.54	212	873989	21.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.45	264	1002294	21.98	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.92	77	30114	4.183	ng/ul#	39
6) Phenol	6.97	94	50042	3.005	ng/ul	99
14) Acetophenone	8.59	105	52467	2.639	ng/ul	96
28) Naphthalene	10.60	128	107715	2.897	ng/ul	99
34) 2-Methylnaphthalene	12.22	142	61388	2.202	ng/ul	100
41) 1,1'-Biphenyl	13.23	154	49975	1.602	ng/ul	98
45) Dimethylphthalate	13.86	163	255339	8.406	ng/ul	100
70) Phenanthrene	17.19	178	52773	1.204	ng/ul#	93
76) Di-n-butylphthalate	18.12	149	50665	1.082	ng/ul#	88
77) Fluoranthene	19.20	202	67413	1.367	ng/ul#	95
80) Pyrene	19.57	202	177852	3.379	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.25	149	1115307	36.264	ng/ul	98
85) Chrysene	21.37	228	64444	1.311	ng/ul#	77
88) Benzo(b)fluoranthene	22.92	252	93020m	1.590	ng/ul	> JU 10/16/19
94) Benzo(g,h,i)perylene	26.59	276	88201	1.875	ng/ul#	76

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