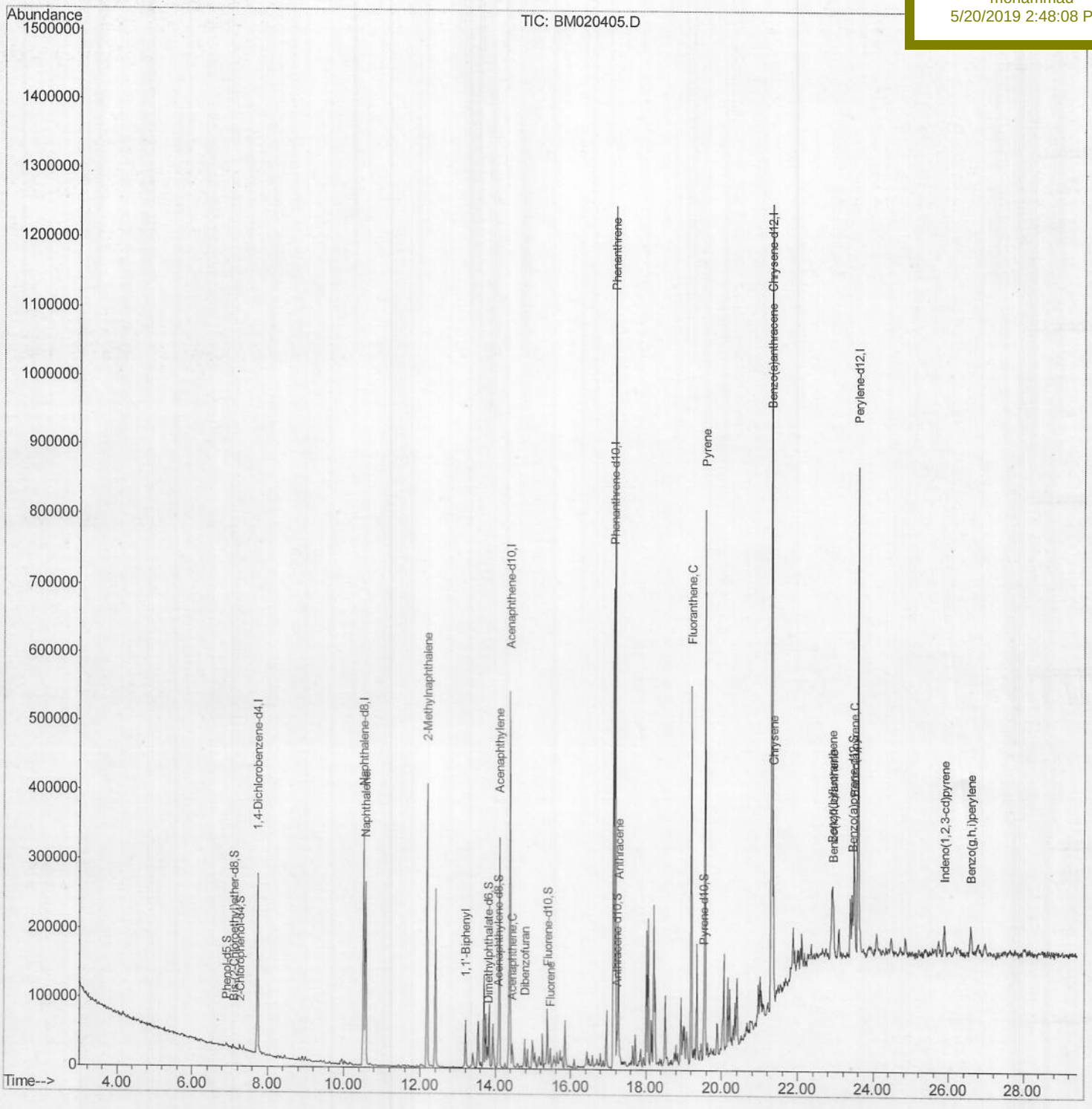
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 20 08:21:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM



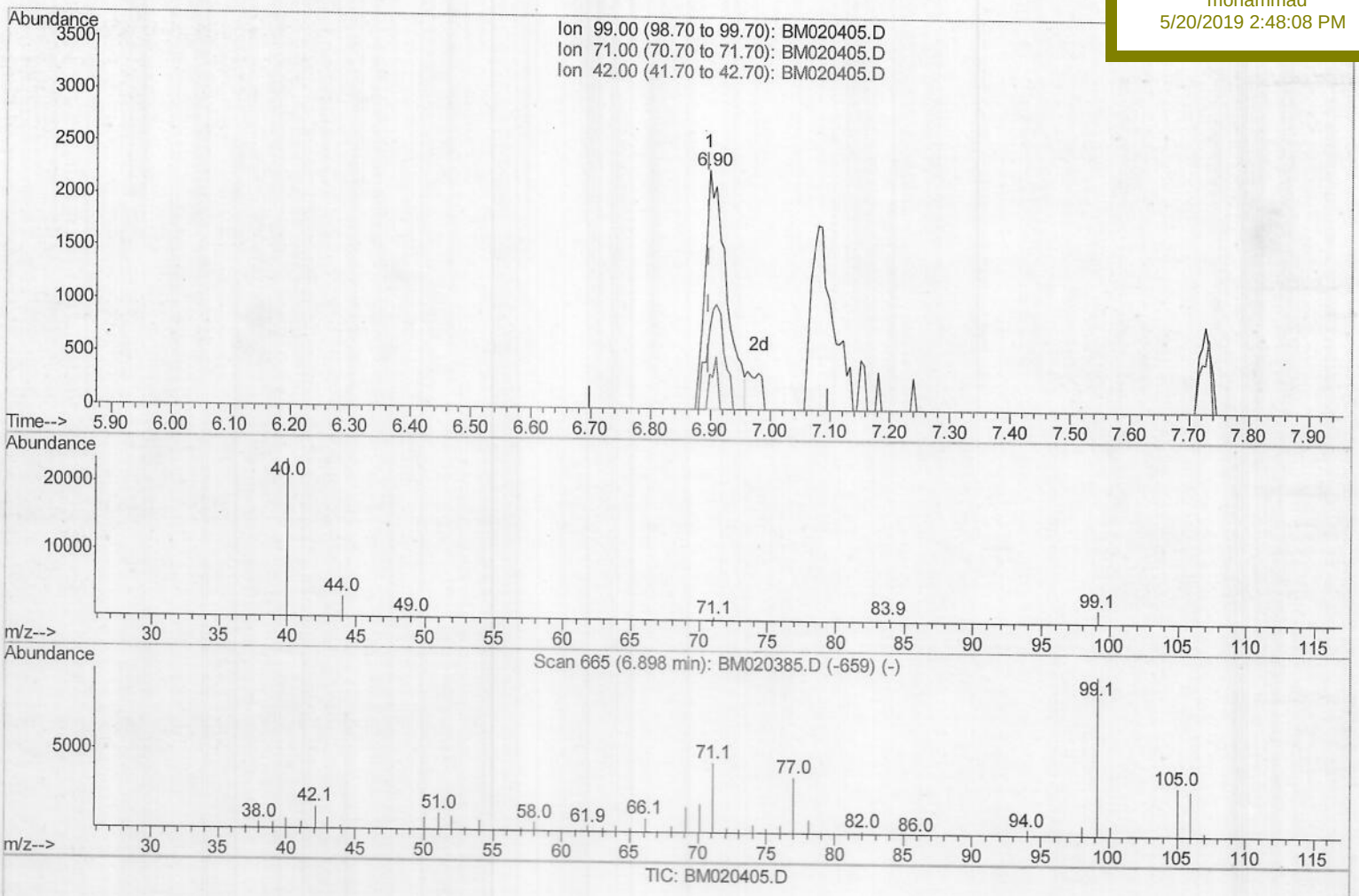
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM



TIC: BM020405.D

(5) Phenol-d5 (S)

6.898min (-0.000) 0.97ng/ul

response 5549

Ion	Exp%	Act%
99.00	100	100
71.00	45.30	33.20#
42.00	14.50	14.41
0.00	0.00	0.00

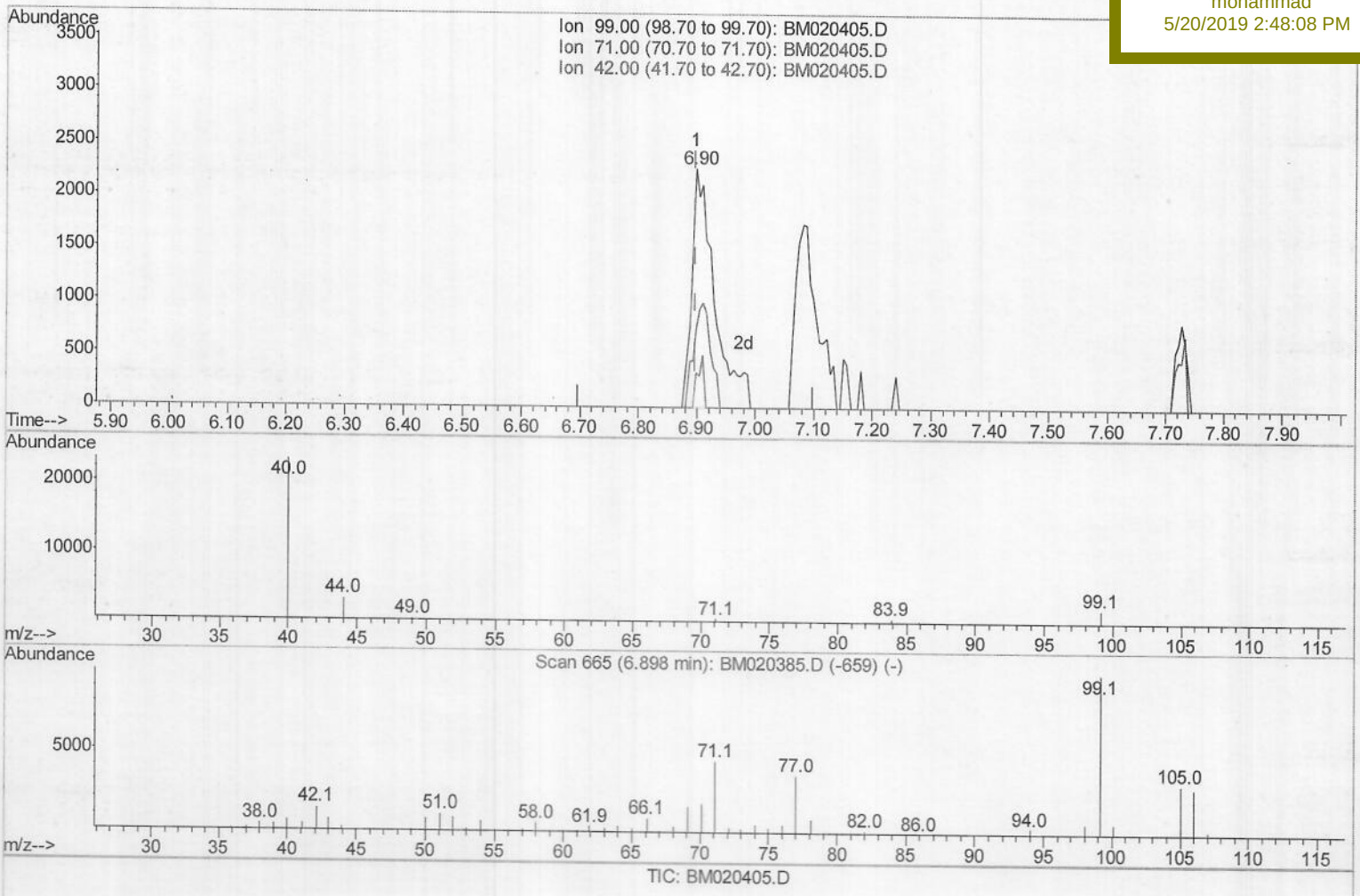
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM



TIC: BM020405.D

(5) Phenol-d5 (S)

6.898min (-0.000) 1.07ng/ul m) JU05/21/19

response 6125

Ion	Exp%	Act%
99.00	100	100
71.00	45.30	33.20#
42.00	14.50	14.41
0.00	0.00	0.00

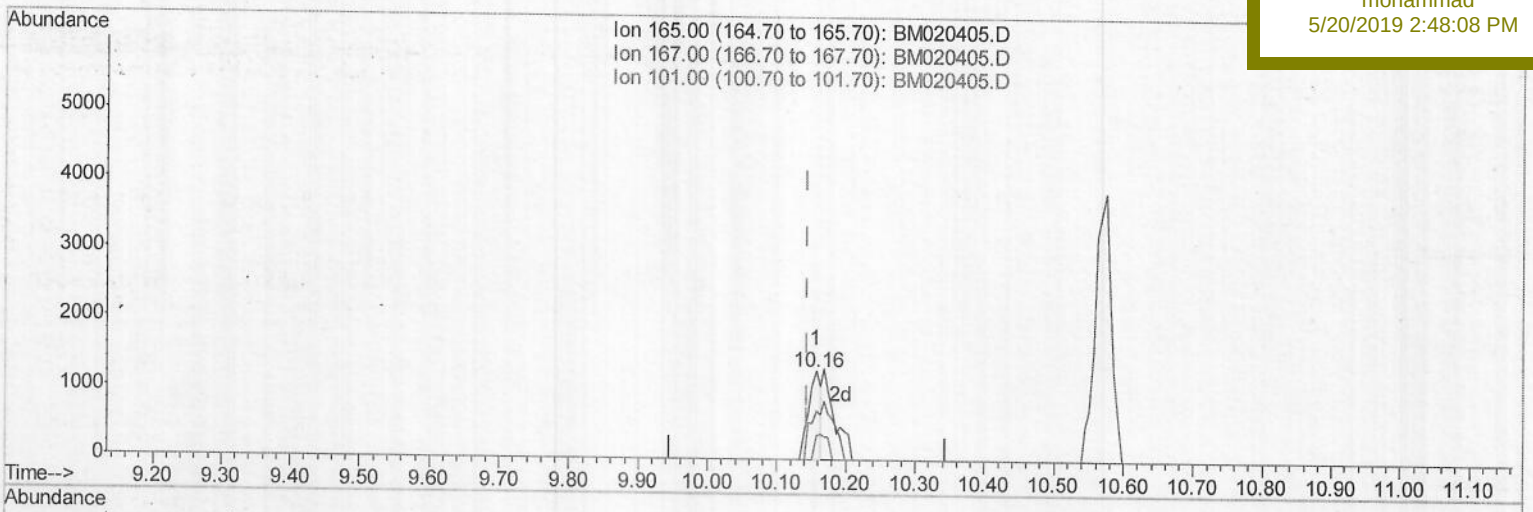
Quantitation Report (Qedit)

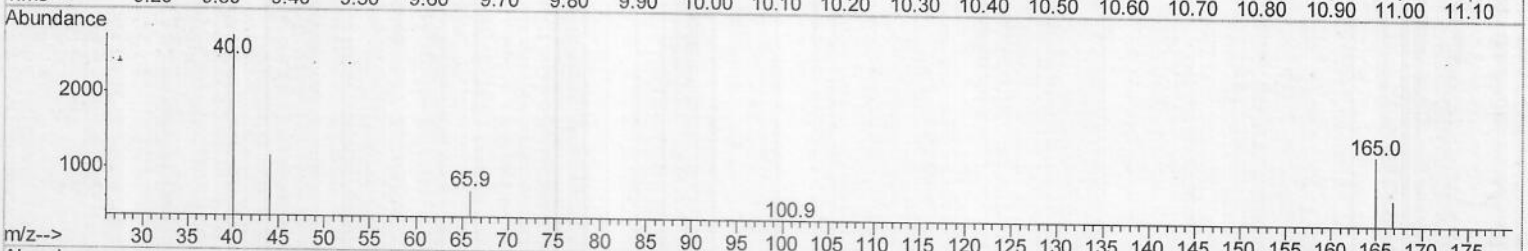
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

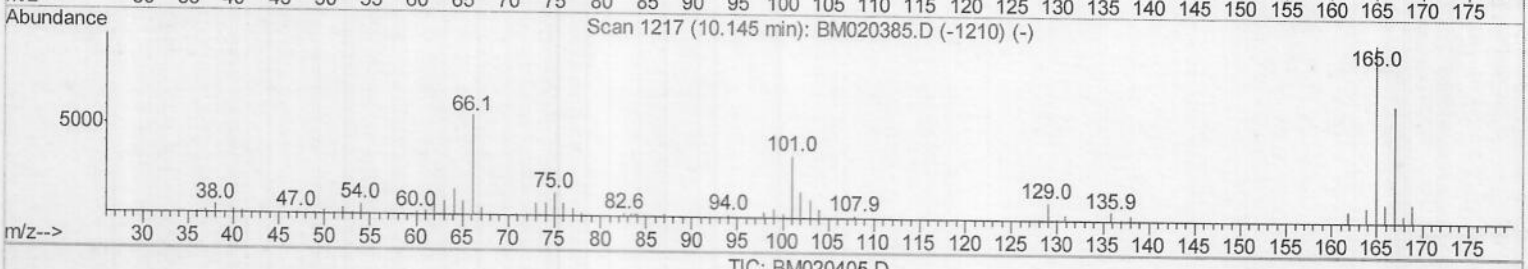
Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM







(26) 2,4-Dichlorophenol-d3 (S)

10.157min (+0.012) 0.38ng/ul

response 1580

Ion	Exp%	Act%
165.00	100	100
167.00	65.00	54.86
101.00	34.80	27.90
0.00	0.00	0.00

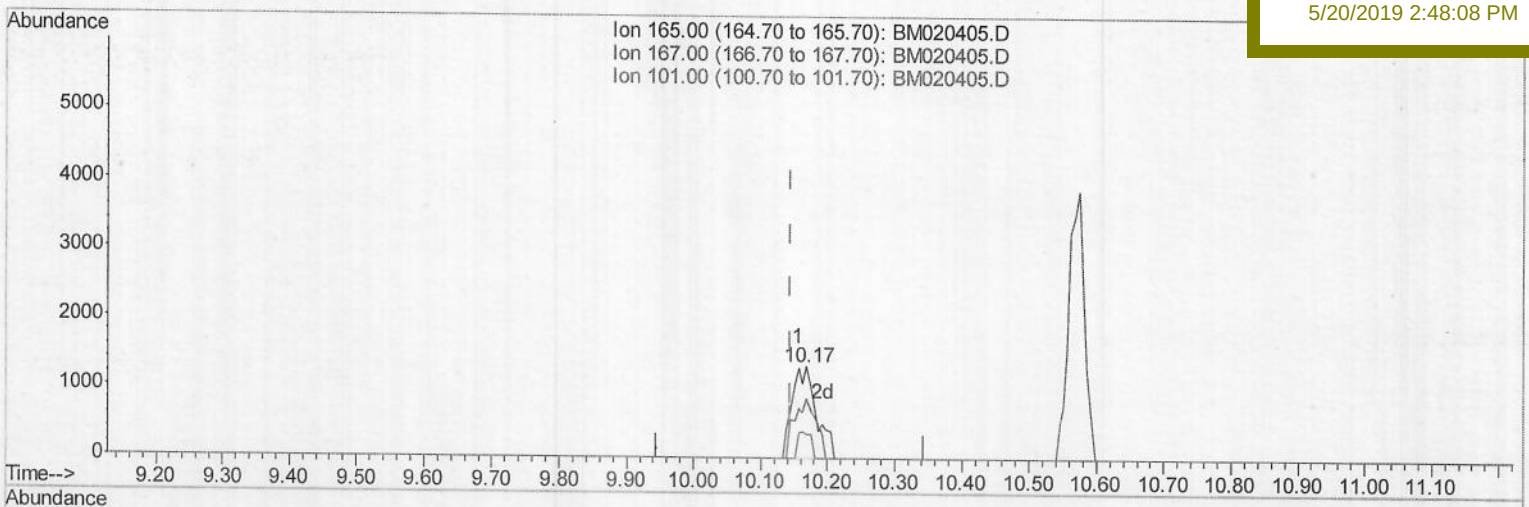
Quantitation Report (Qedit)

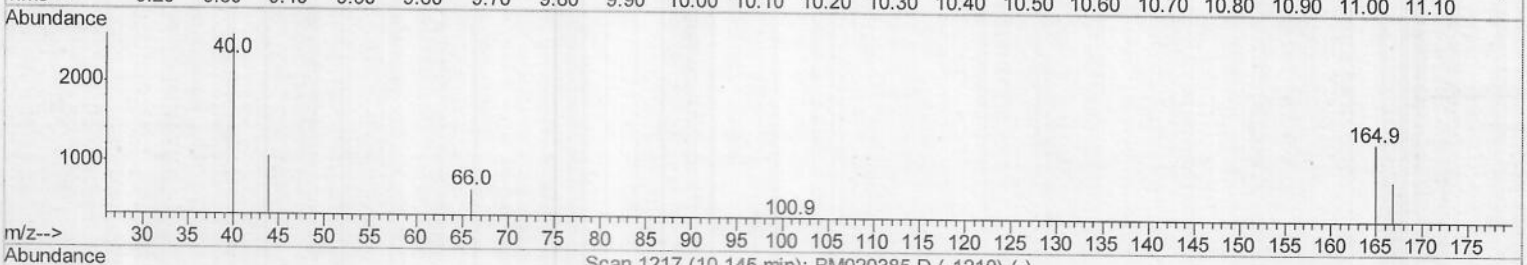
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

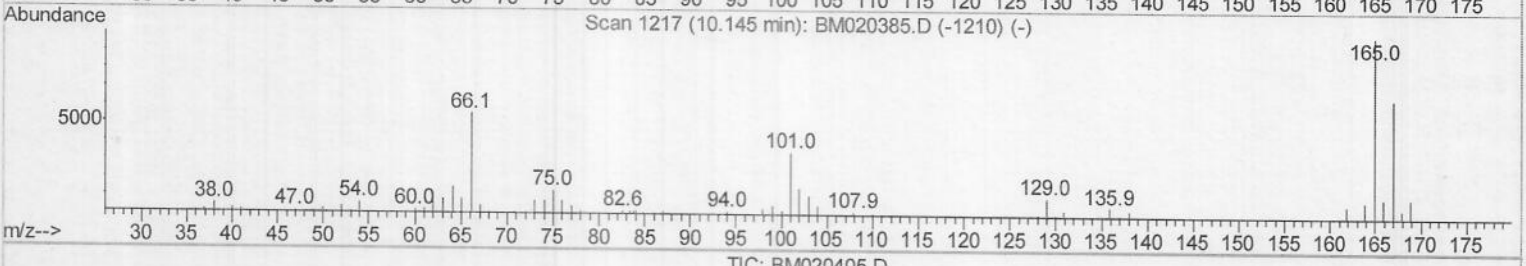
Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM







TIC: BM020405.D

(26) 2,4-Dichlorophenol-d3 (S)

10.169min (+0.023) 0.78ng/ul m JJU05/21/19

response 3205

Ion	Exp%	Act%
165.00	100	100
167.00	65.00	63.89
101.00	34.80	24.96#
0.00	0.00	0.00

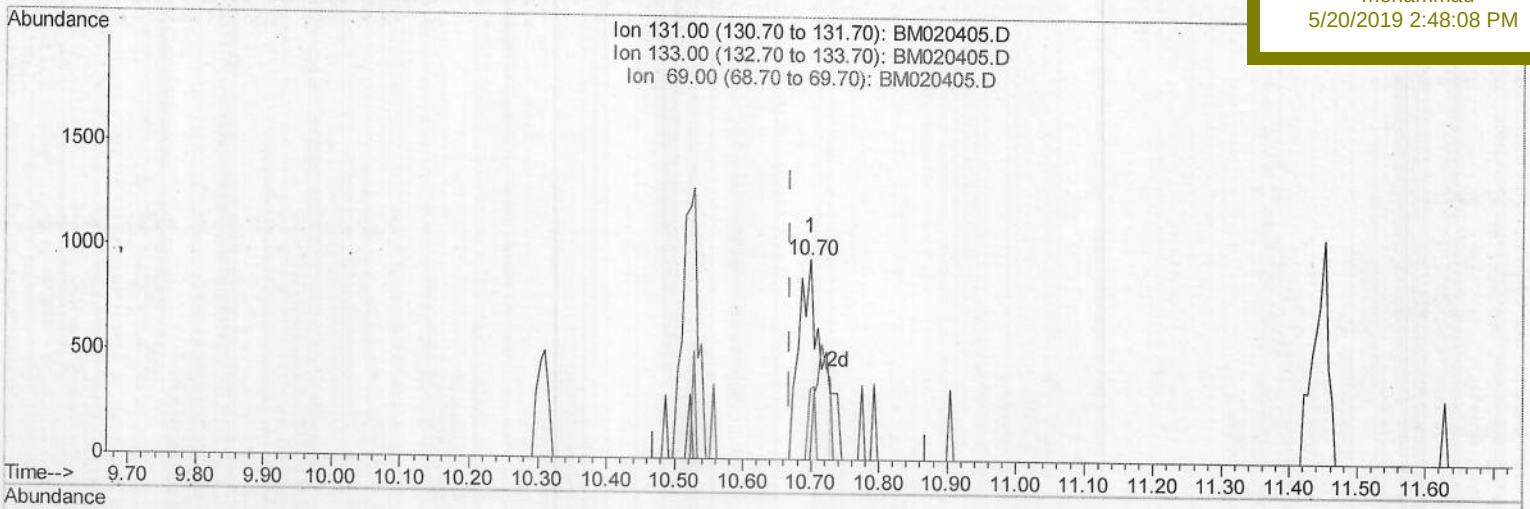
Quantitation Report (Qedit)

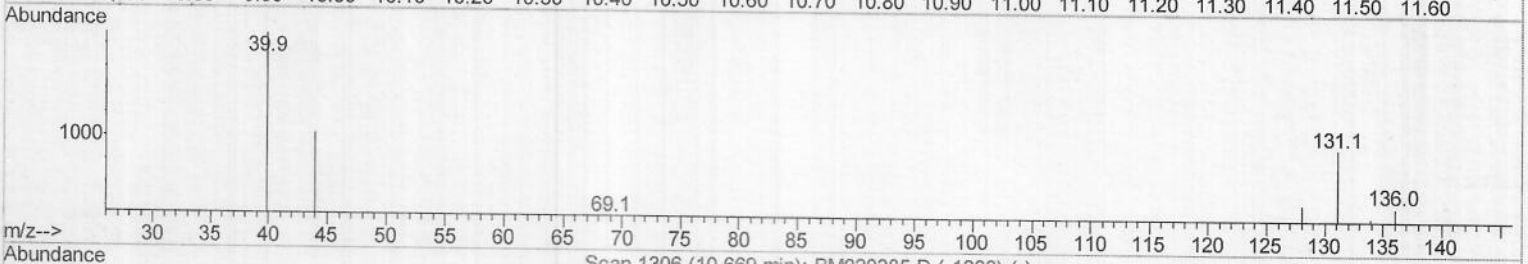
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

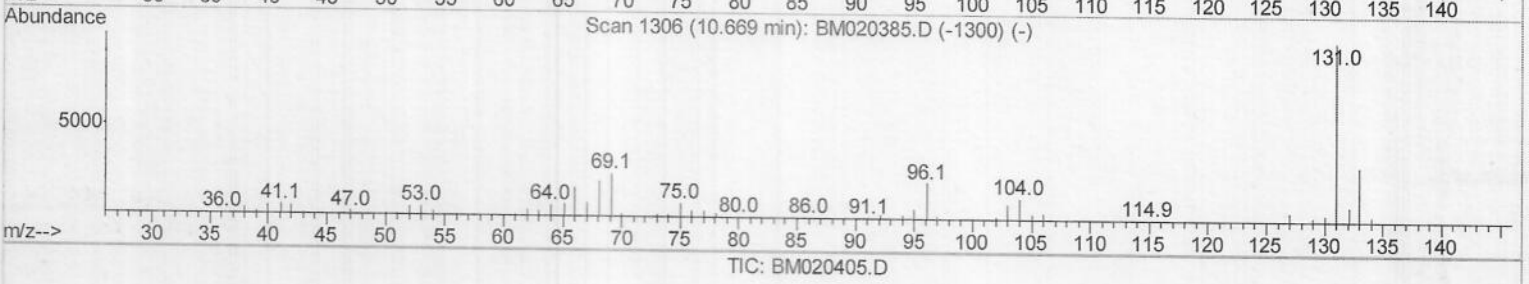
Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM







(29) 4-Chloroaniline-d4 (S)

10.698min (+0.029) 0.48ng/ul

response 2047

Ion	Exp%	Act%
131.00	100	100
133.00	32.30	0.00#
69.00	24.20	35.85#
0.00	0.00	0.00

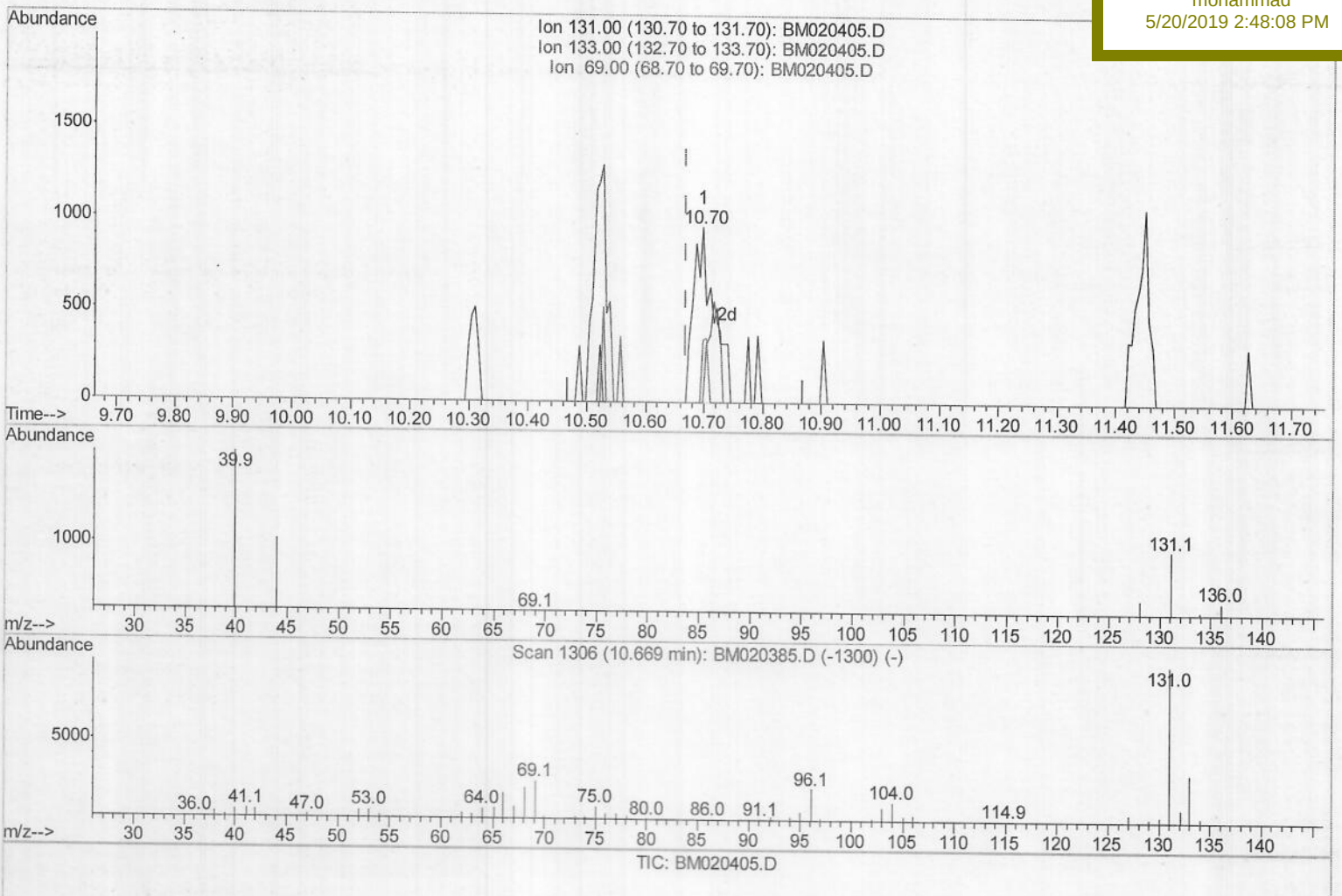
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM



TIC: BM020405.D

(29) 4-Chloroaniline-d4 (S)

10.698min (+0.029) 0.53ng/ul m) JU 05/21/19

response 2275

Ion	Exp%	Act%
131.00	100	100
133.00	32.30	0.00#
69.00	24.20	35.85#
0.00	0.00	0.00

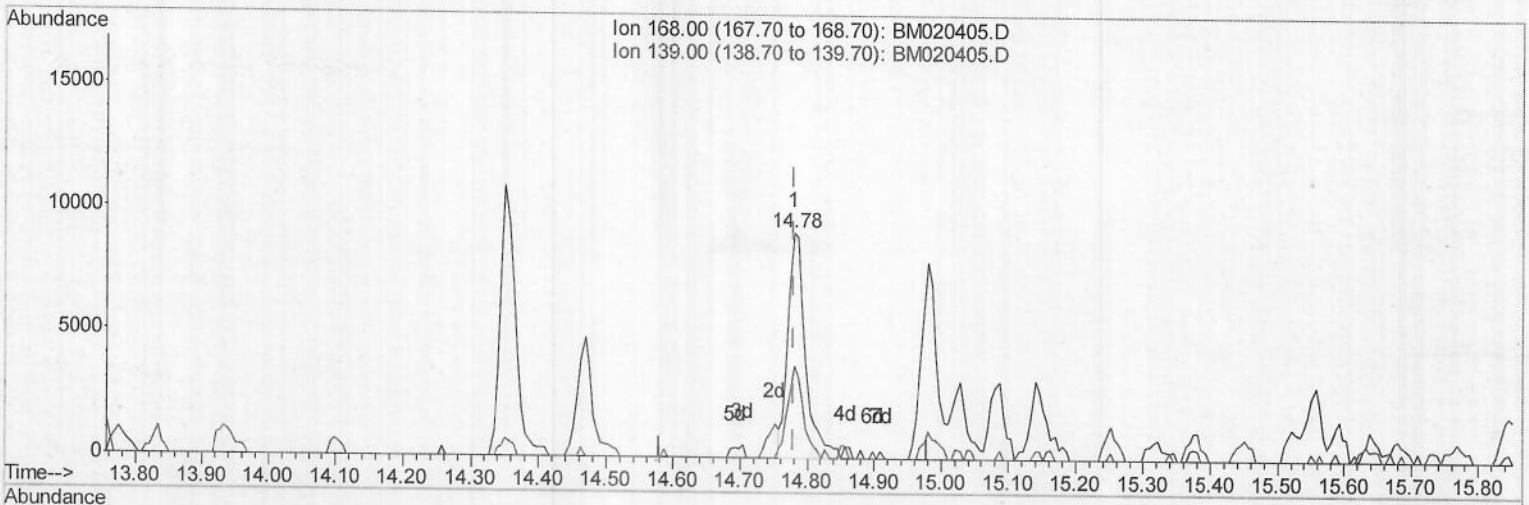
Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

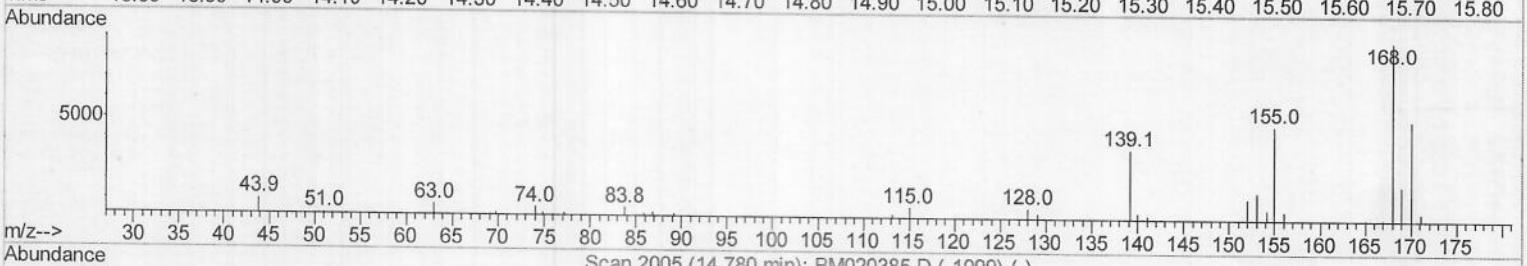
Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM

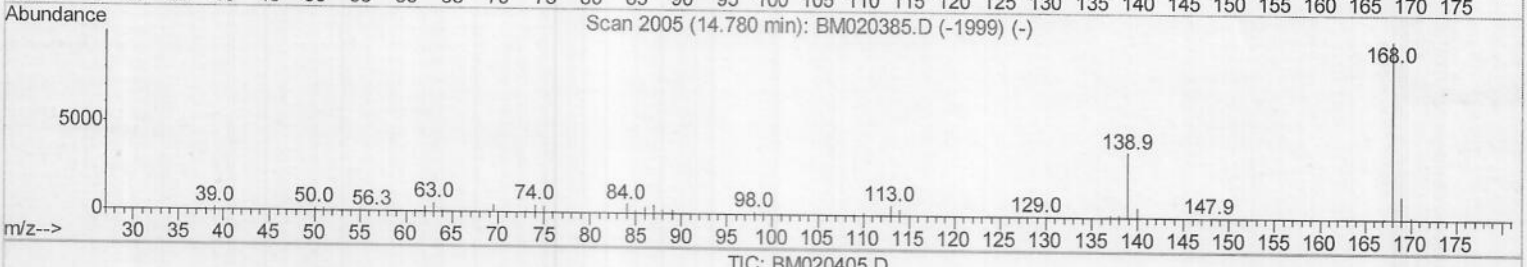
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration







(53) Dibenzofuran

14.780min (-0.000) 1.10ng/ul

response 16358

Ion	Exp%	Act%
168.00	100	100
139.00	37.60	40.51
0.00	0.00	0.00
0.00	0.00	0.00

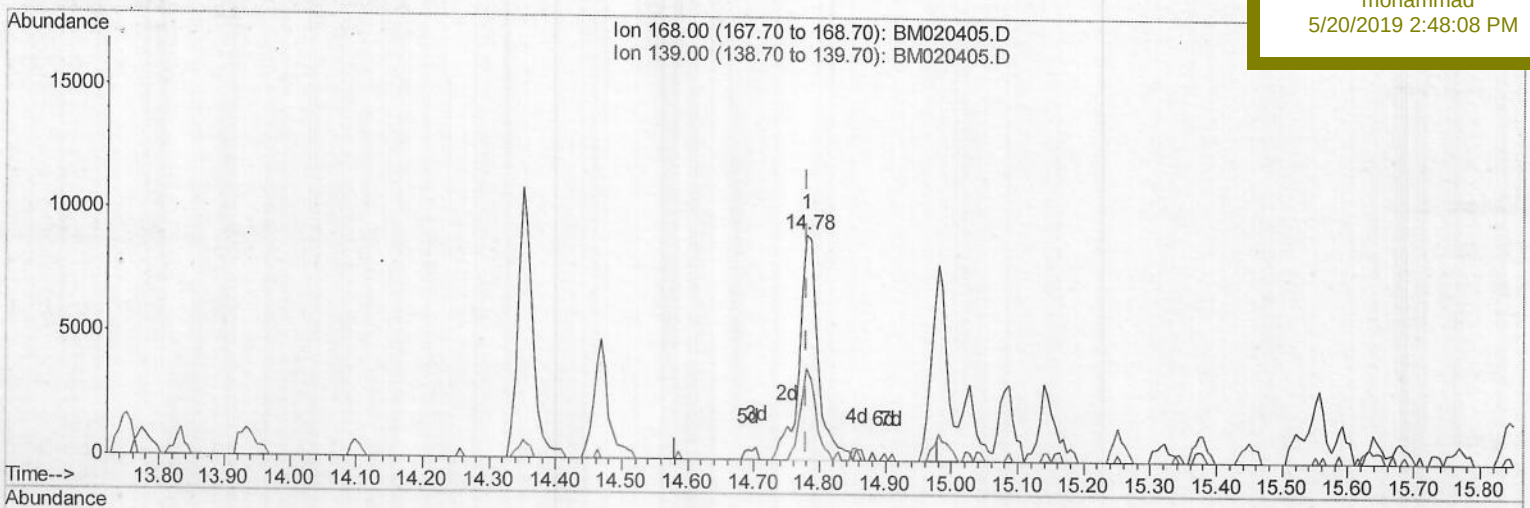
Quantitation Report (Qedit)

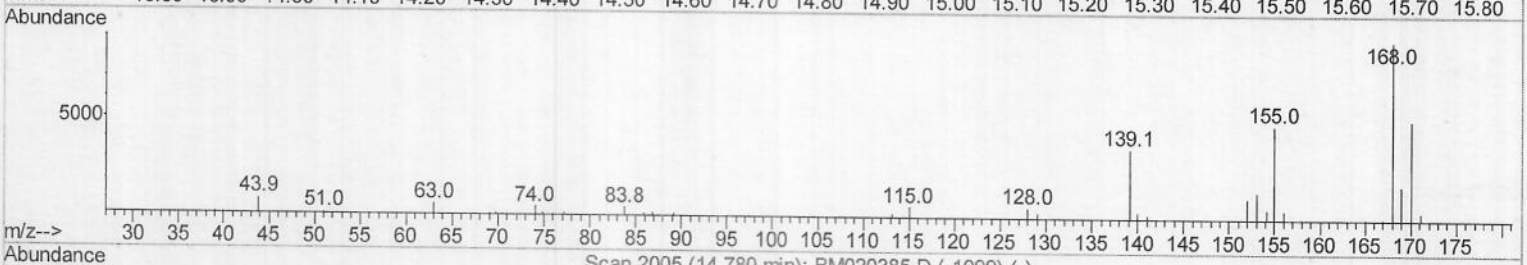
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

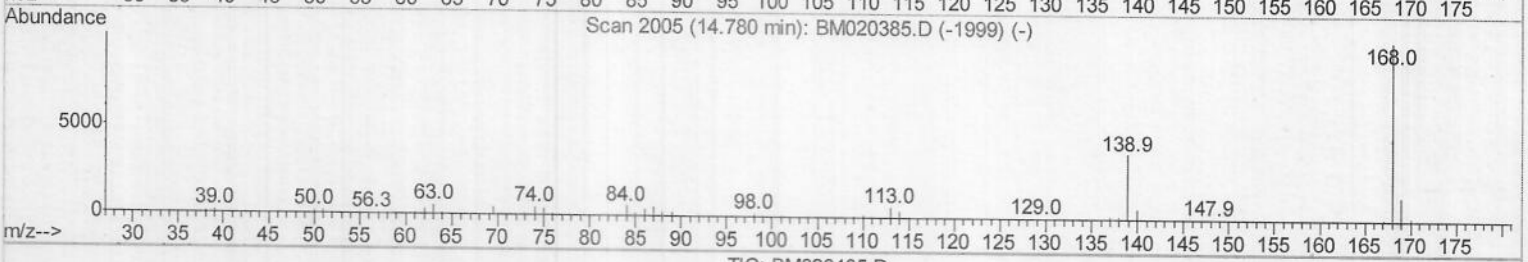
Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM







(53) Dibenzofuran

14.780min (-0.000) 1.20ng/ul m) JU 05/21/19

response 17927

Ion	Exp%	Act%
168.00	100	100
139.00	37.60	40.51
0.00	0.00	0.00
0.00	0.00	0.00

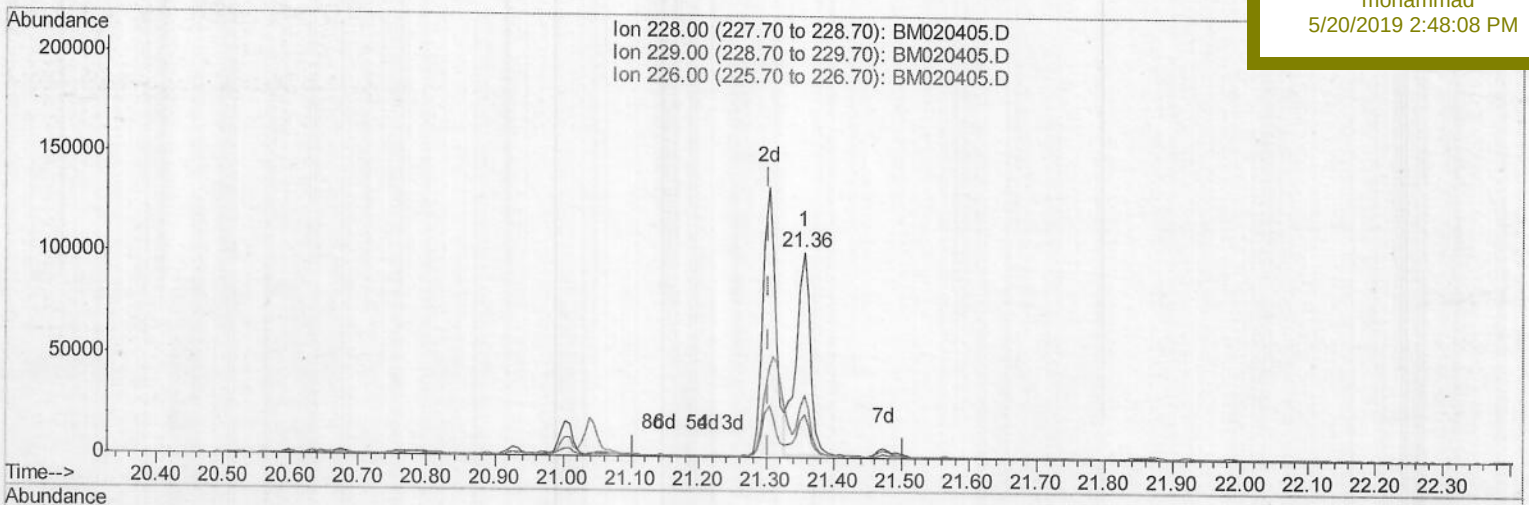
Quantitation Report (Qedit)

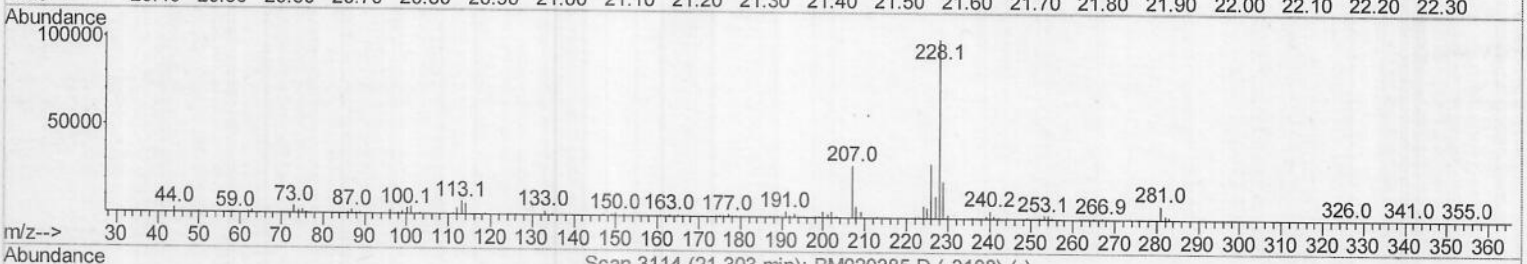
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

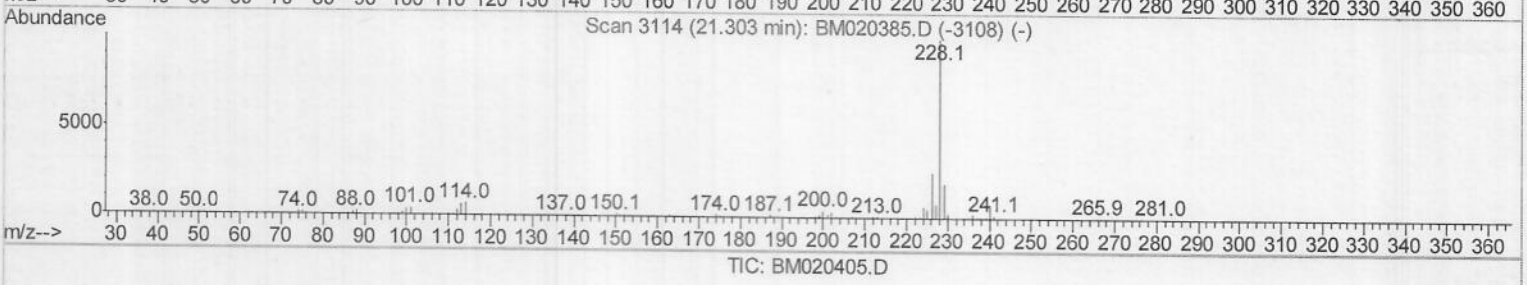
Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM







TIC: BM020405.D

(82) Benzo(a)anthracene

21.356min (+0.053) 5.02ng/ul

response 145229

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	20.73
226.00	25.70	30.62
0.00	0.00	0.00

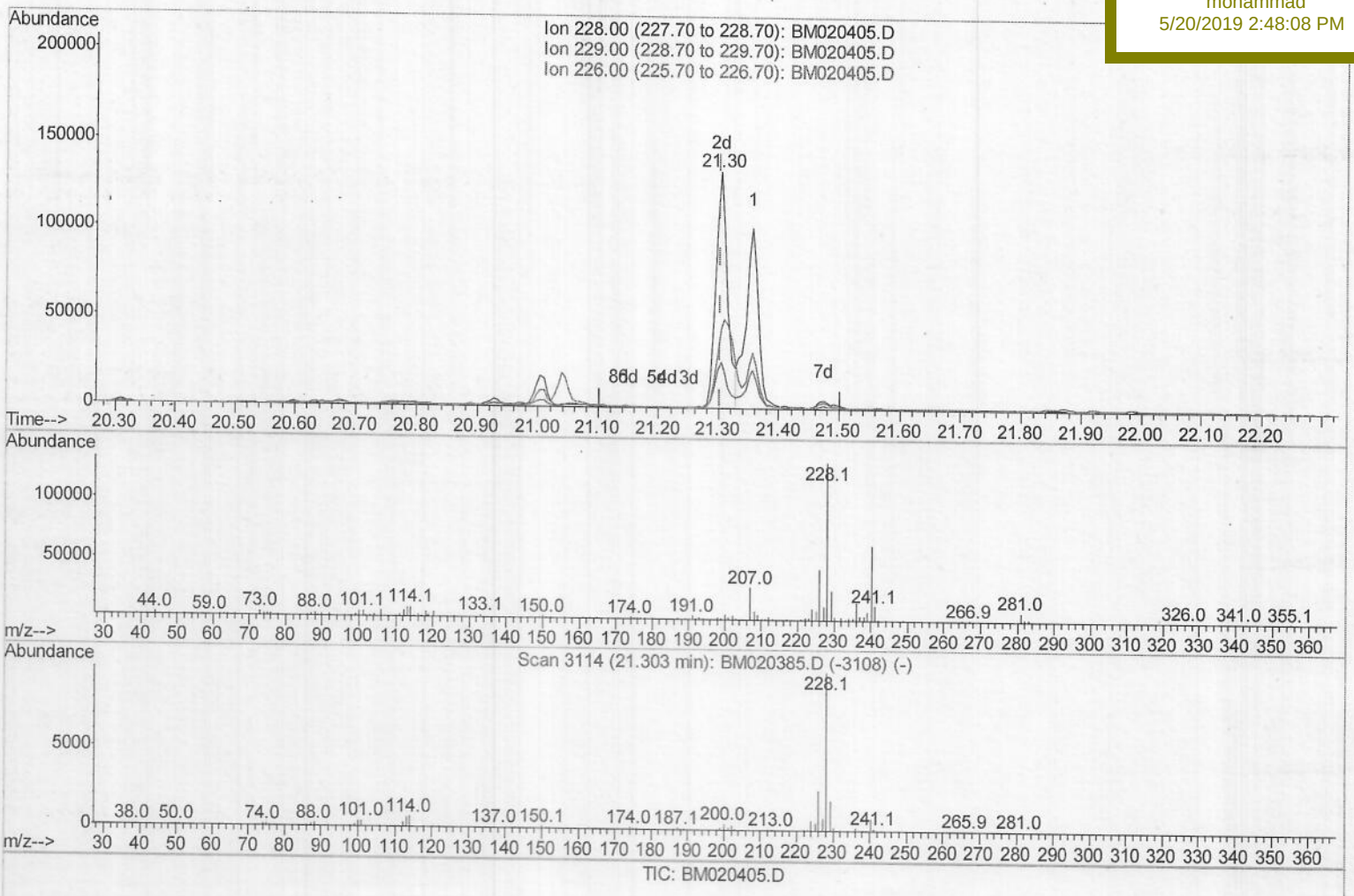
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM



TIC: BM020405.D

(82) Benzo(a)anthracene

21.303min (-0.000) 6.15ng/ul m)JU05/21/19

response 177673

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	19.30
226.00	25.70	33.20#
0.00	0.00	0.00

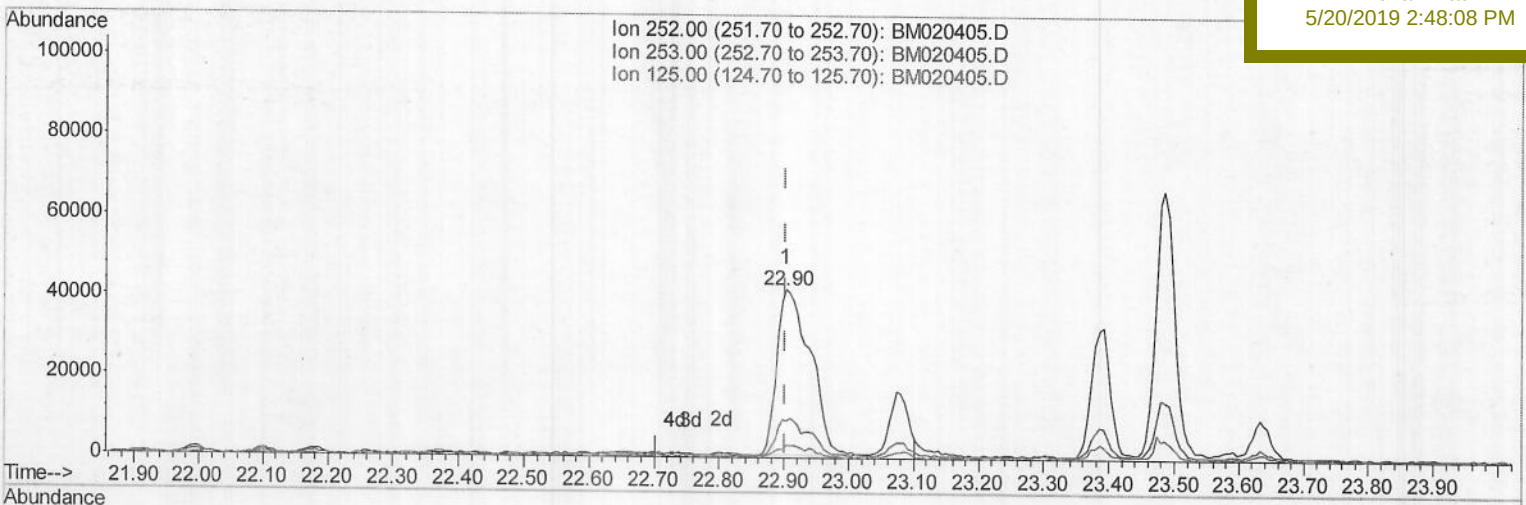
Quantitation Report (Qedit)

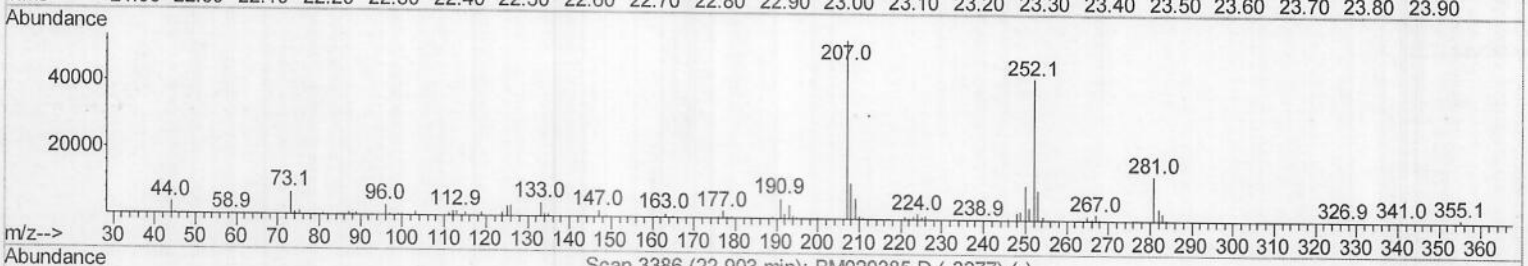
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

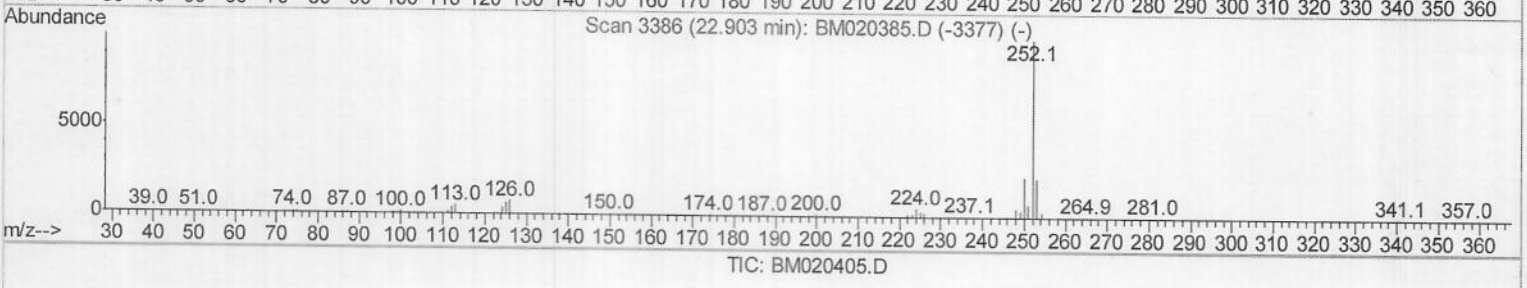
Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM







TIC: BM020405.D

(87) Benzo(b)fluoranthene

22.903min (-0.000) 4.86ng/ul

response 151139

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.67
125.00	6.20	7.24
0.00	0.00	0.00

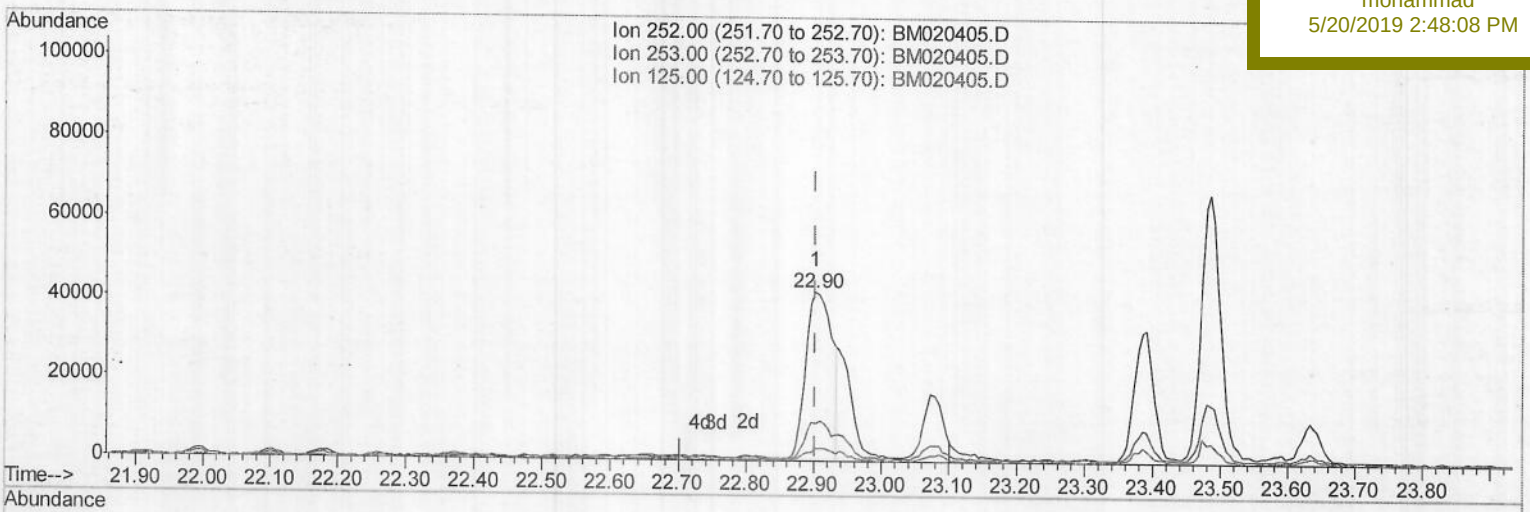
Quantitation Report (Qedit)

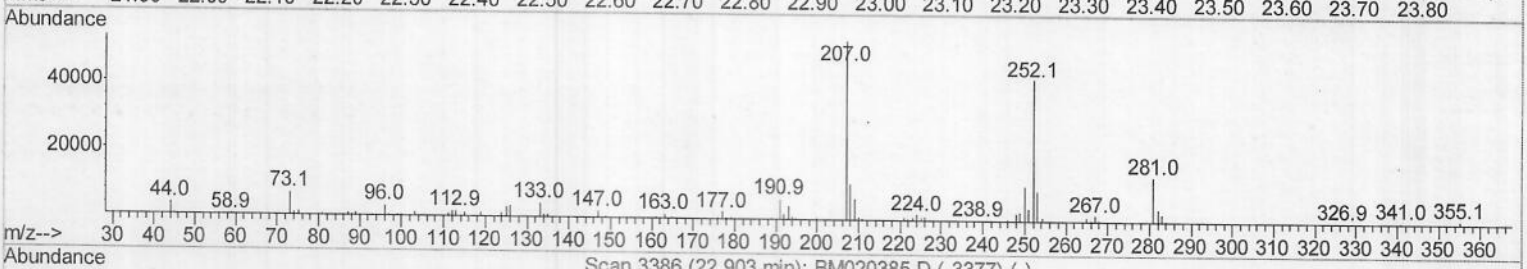
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

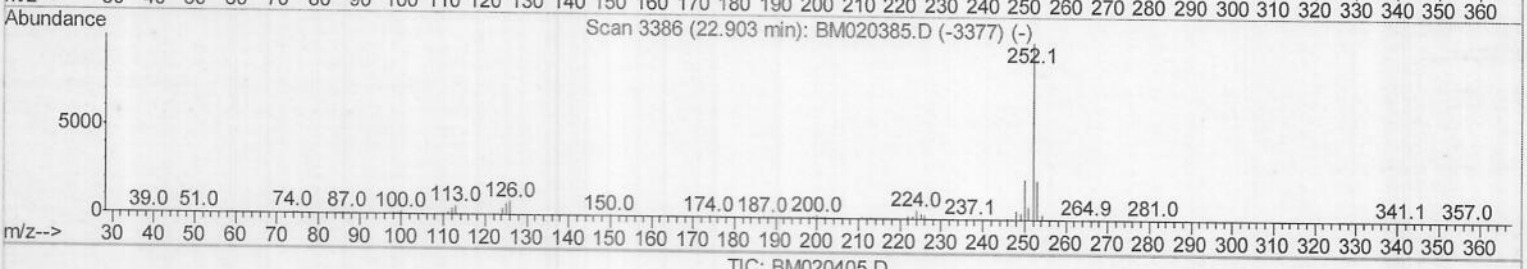
Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM







TIC: BM020405.D

(87) Benzo(b)fluoranthene

22.903min (-0.000) 3.59ng/ul m JU 05/21/19

response 111734

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.67
125.00	6.20	7.24
0.00	0.00	0.00

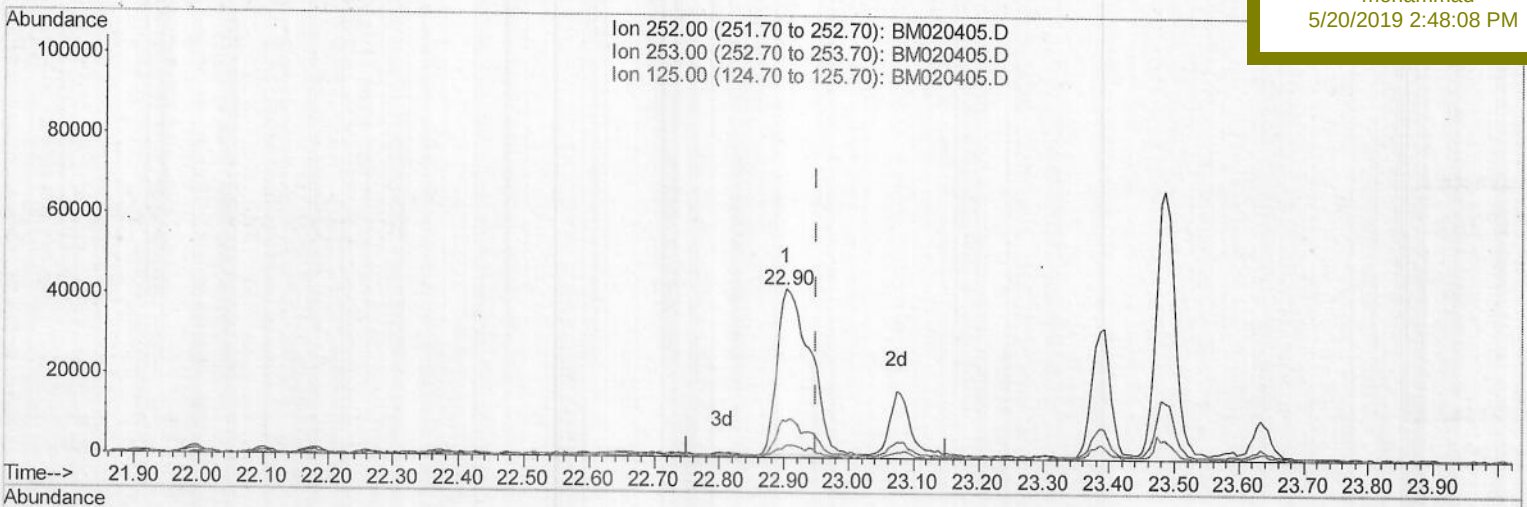
Quantitation Report (Qedit)

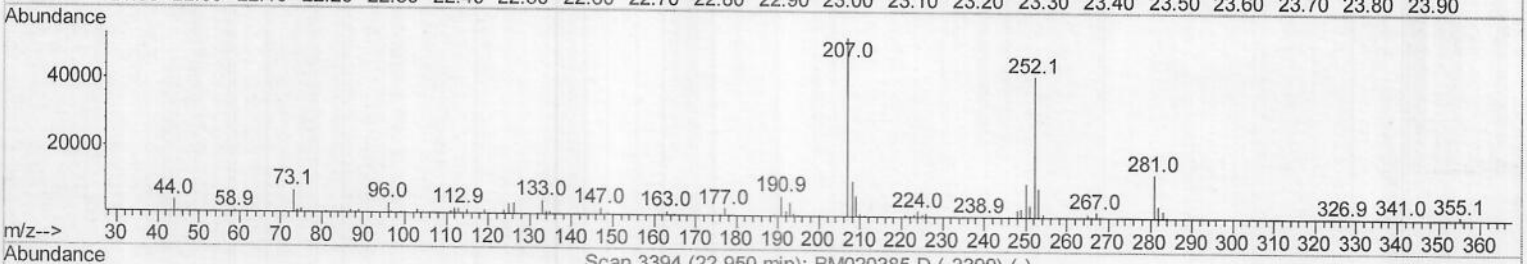
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

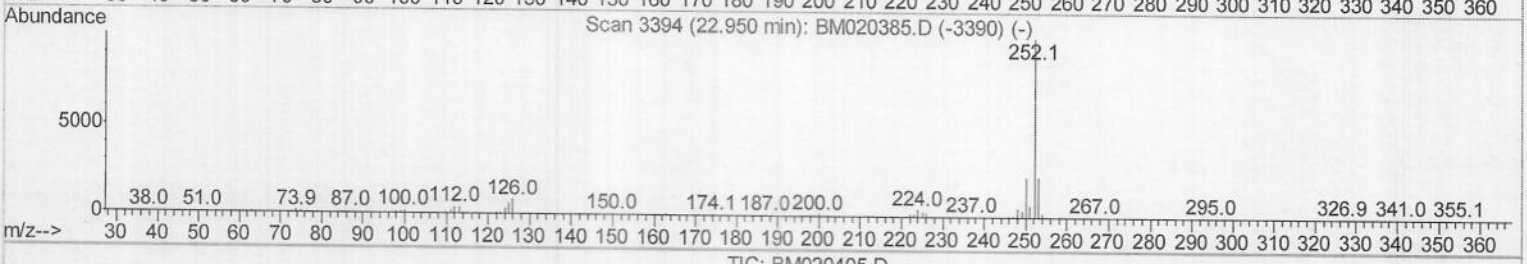
Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM







TIC: BM020405.D

(88) Benzo(k)fluoranthene

22.903min (-0.047) 4.95ng/ul

response 151139

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	21.67
125.00	6.30	7.24
0.00	0.00	0.00

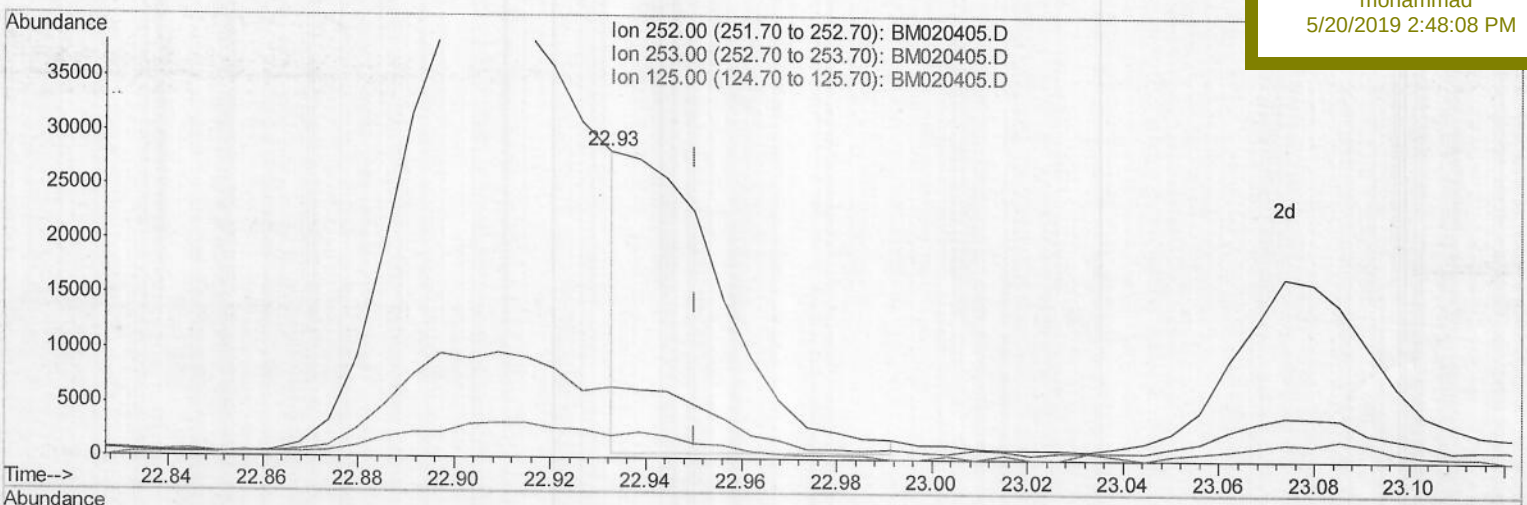
Quantitation Report (Qedit)

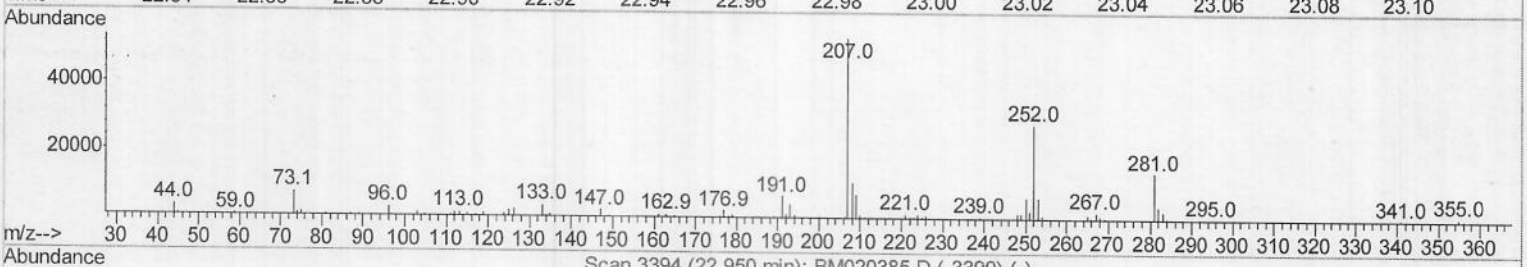
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

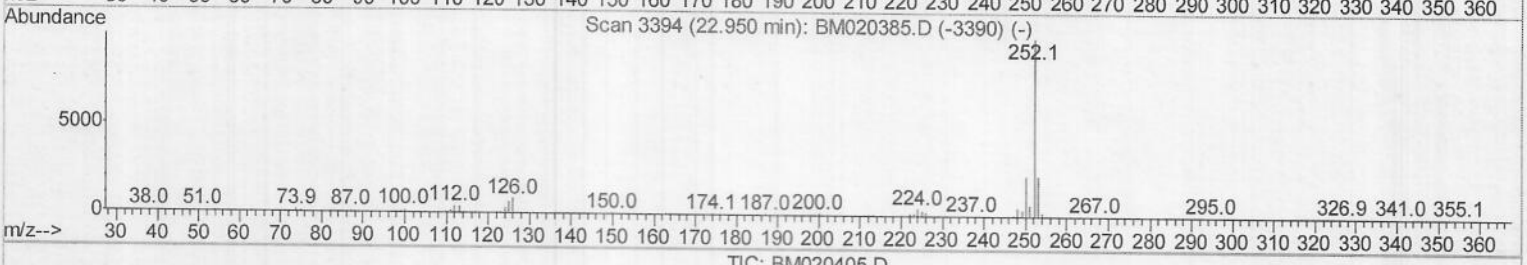
Quant Time: May 20 07:13:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM







TIC: BM020405.D

(88) Benzo(k)fluoranthene

22.933min (-0.018) 1.27ng/ul m JU 05/21/19

response 38694

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	23.13
125.00	6.30	7.02
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020405.D
Acq On : 18 May 2019 17:13
Operator : JU/SJ
Sample : K2604-21MEDL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 20 08:21:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : GAJ92MEDL

Manual Integrations APPROVED
mohammad
5/20/2019 2:48:08 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	71523	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	271419	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	168723	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	422095	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	480362	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	544681	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.24	96	467	0.24	ng/uL	0.02
5) Phenol-d5	6.90	99	6125m	1.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	4090	1.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	4623	1.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	2409	0.58	ng/ul	0.02
19) Nitrobenzene-d5	8.91	128	1055	0.60	ng/ul	0.01
22) 2-Nitrophenol-d4	9.63	143	1222	0.63	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.17	165	3205m	0.78	ng/ul	0.02
29) 4-Chloroaniline-d4	10.70	131	2275m	0.53	ng/ul	0.03
43) Dimethylphthalate-d6	13.79	166	19885	1.64	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	21761	1.43	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.37	176	18433	1.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	507	0.21	ng/ul	0.00
70) Anthracene-d10	17.23	188	30312	1.67	ng/ul	0.00
78) Pyrene-d10	19.53	212	37040	1.60	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	41592	1.68	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.57	128	208771	16.742	ng/ul	99
34) 2-Methylnaphthalene	12.19	142	183211	20.292	ng/ul	94
40) 1,1'-Biphenyl	13.21	154	41129	3.405	ng/ul	99
47) Acenaphthylene	14.10	152	213868	14.936	ng/ul	99
49) Acenaphthene	14.44	153	14969	1.521	ng/ul	94
53) Dibenzofuran	14.78	168	17927m	1.203	ng/ul	
58) Fluorene	15.44	166	13225	1.107	ng/ul#	61
69) Phenanthrene	17.17	178	738906	36.740	ng/ul	99
71) Anthracene	17.26	178	144182	7.048	ng/ul	99
76) Fluoranthene	19.19	202	320148	12.602	ng/ul	98
79) Pyrene	19.56	202	465096	16.131	ng/ul	99
82) Benzo(a)anthracene	21.30	228	177673m	6.145	ng/ul	
84) Chrysene	21.36	228	145720	5.274	ng/ul	96
87) Benzo(b)fluoranthene	22.90	252	111734m	3.594	ng/ul	
88) Benzo(k)fluoranthene	22.93	252	38694m	1.267	ng/ul	
90) Benzo(a)pyrene	23.49	252	129103	4.413	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.87	276	51653	1.550	ng/ul	100
93) Benzo(g,h,i)perylene	26.59	276	52822	1.914	ng/ul	96

JU 05/21/19

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