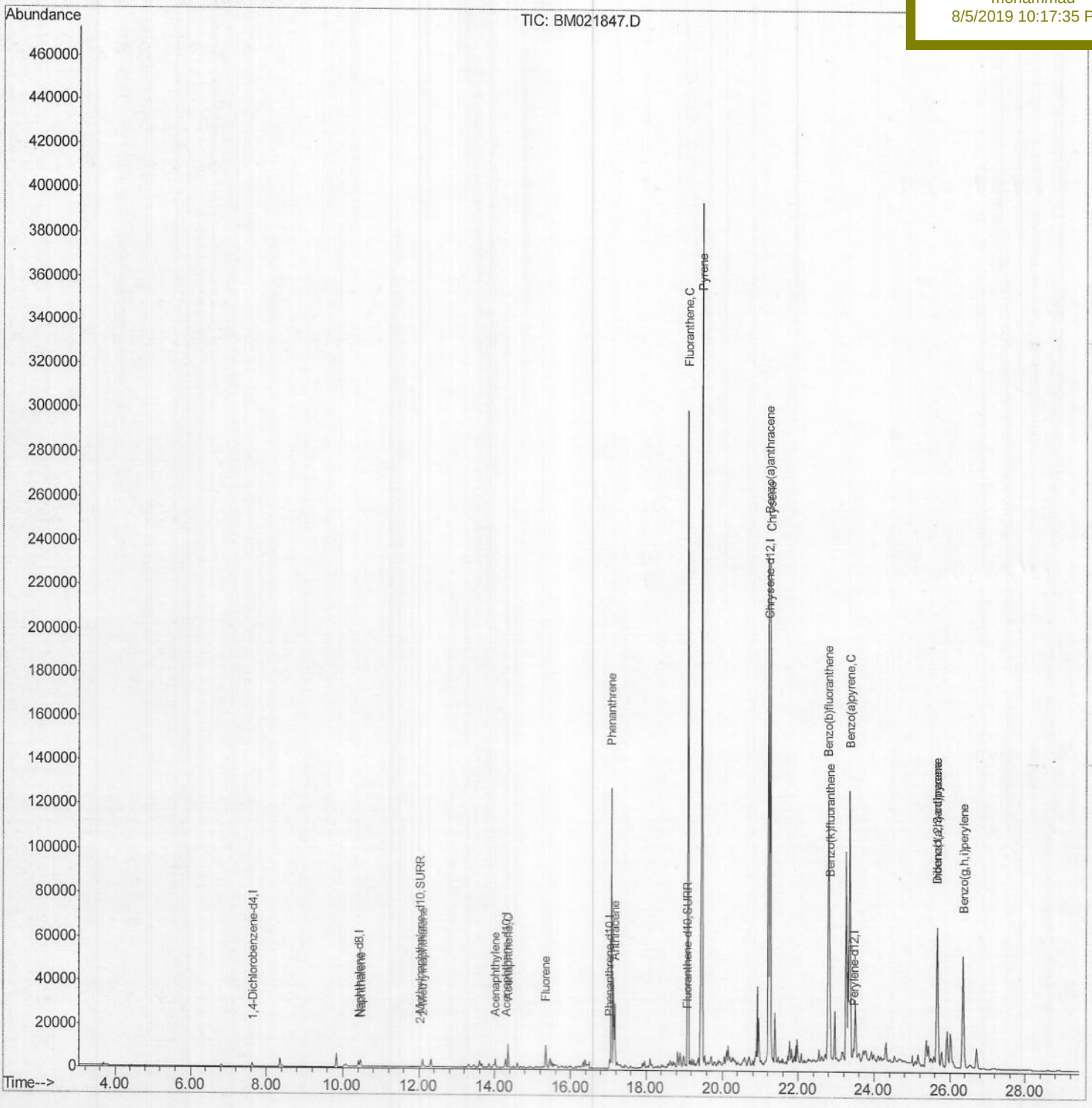
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021847.D
Acq On : 05 Aug 2019 18:03
Operator : HP/JU
Sample : K3850-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 18:38:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 17:14:32 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENP5DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:35 PM



Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021847.D
Acq On : 05 Aug 2019 18:03
Operator : HP/JU
Sample : K3850-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 18:36:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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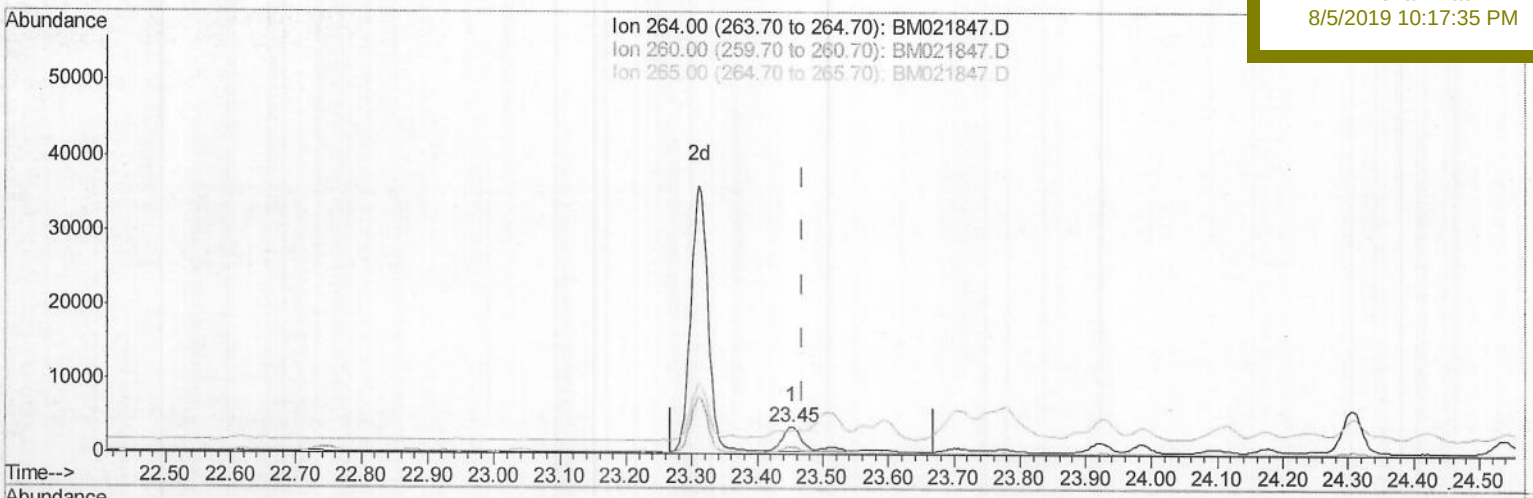
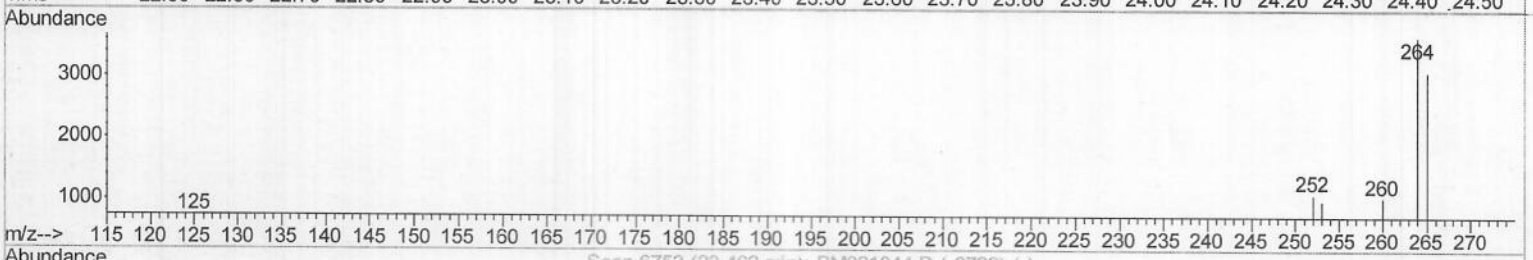
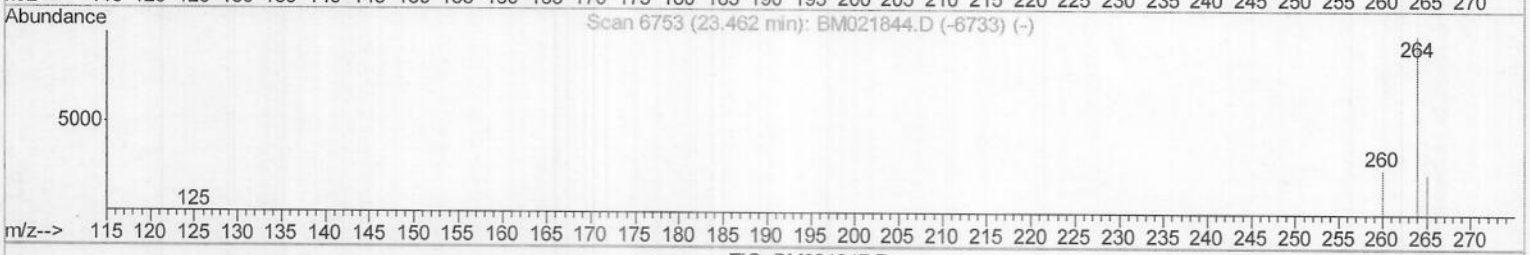
Manual Integrations APPROVED
mohammad
8/5/2019 10:17:35 PM







TIC: BM021847.D

(20) Perylene-d12 (I)

23.452min (-0.017) 0.40ng/ul

response 7565

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	29.00
265.00	117.00	84.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
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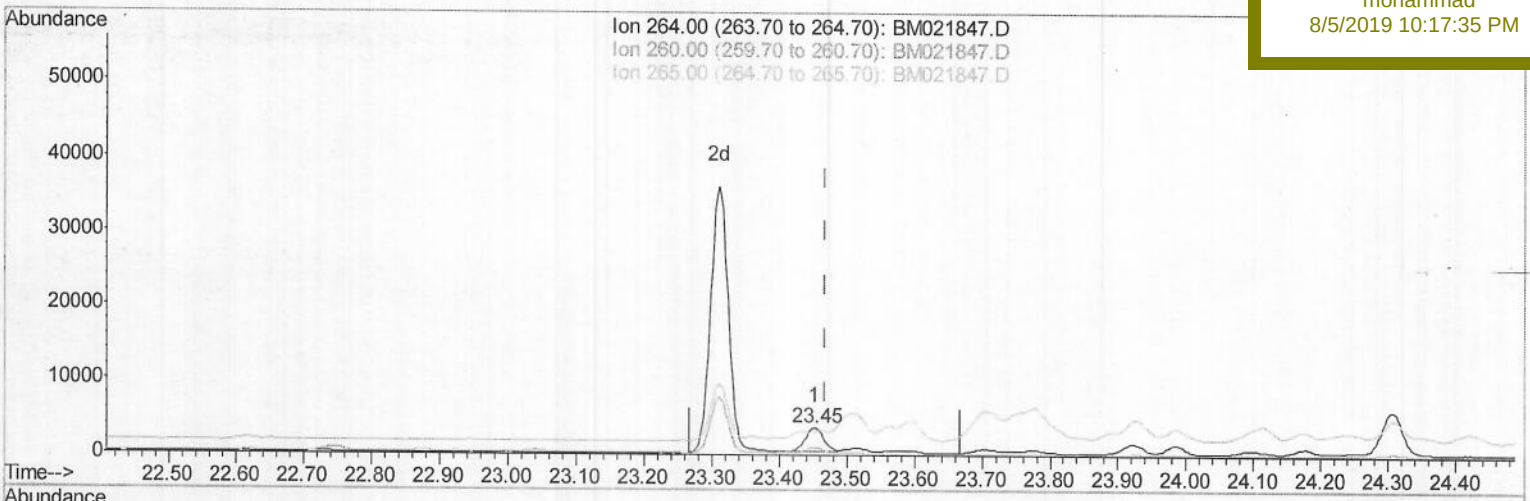
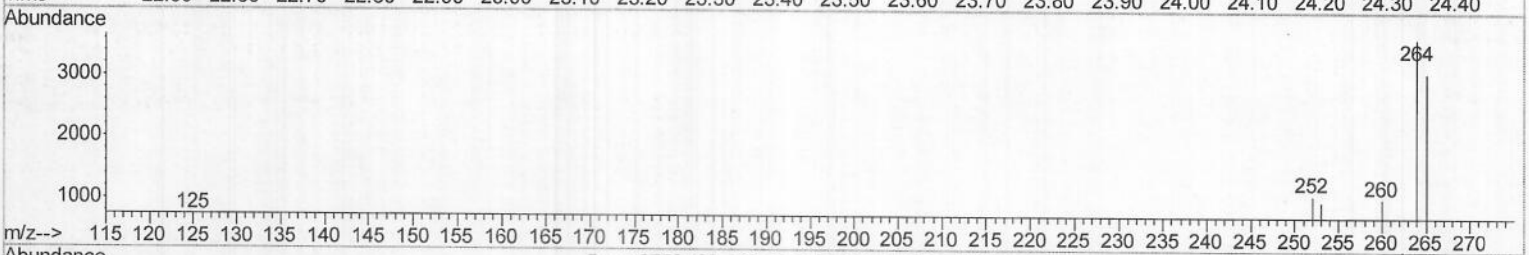
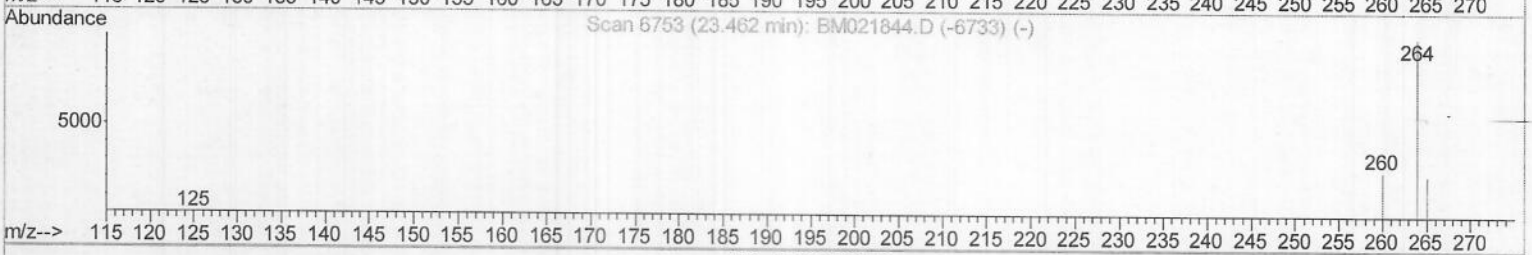
BNA_M
ClientSampleId :
BENP5DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:35 PM







TIC: BM021847.D

(20) Perylene-d12 (I)

23.452min (-0.017) 0.40ng/ul m) JU 080519

response 6296

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	29.00
265.00	117.00	84.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
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Acq On : 05 Aug 2019 18:03
Operator : HP/JU
Sample : K3850-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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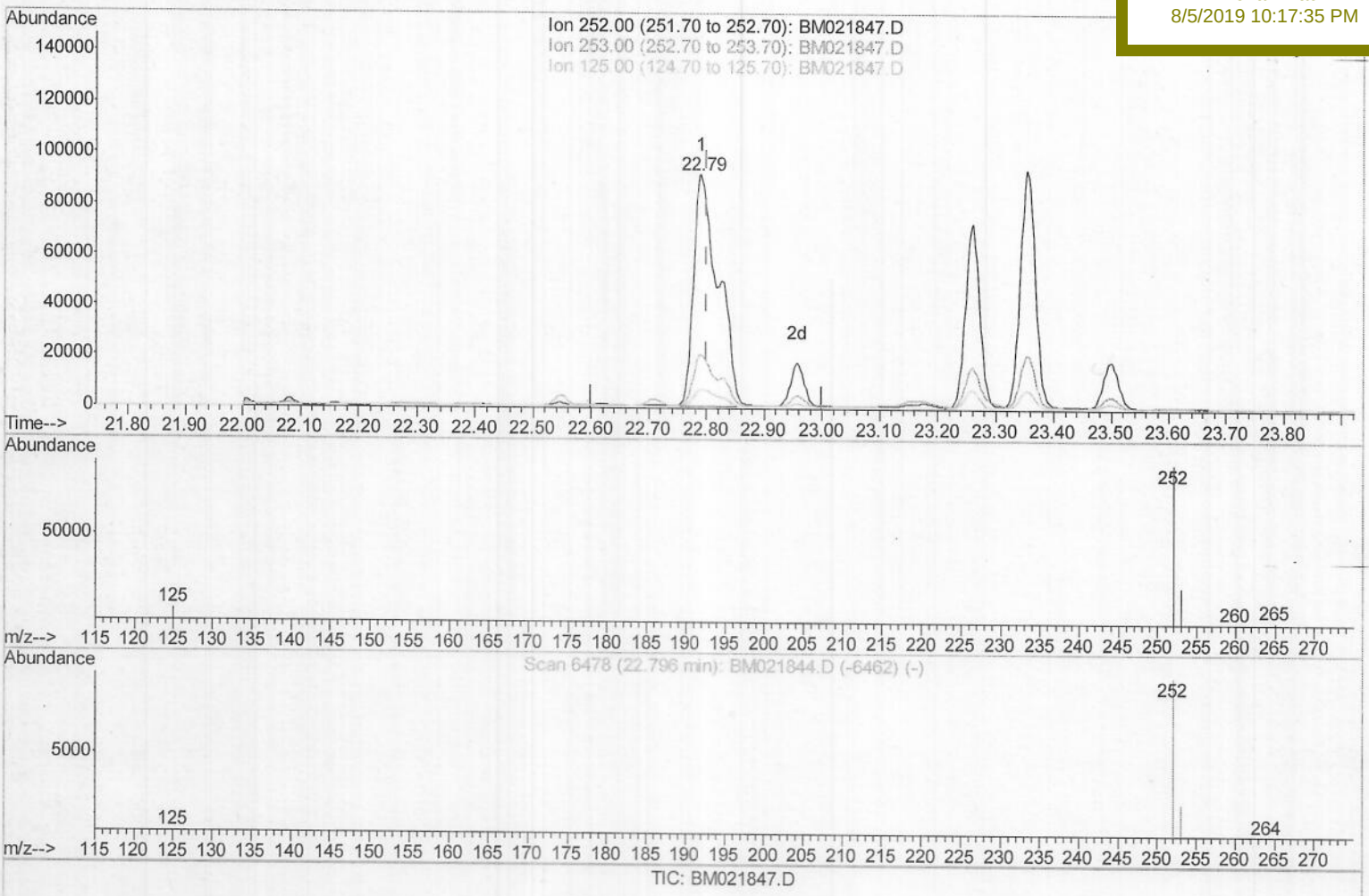
QLast Update : Mon Aug 05 17:14:32 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENP5DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:35 PM



TIC: BM021847.D

(21) Benzo(b)fluoranthene

22.791min (-0.010) 12.81ng/ul

response 271924

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.07
125.00	15.50	7.98
0.00	0.00	0.00

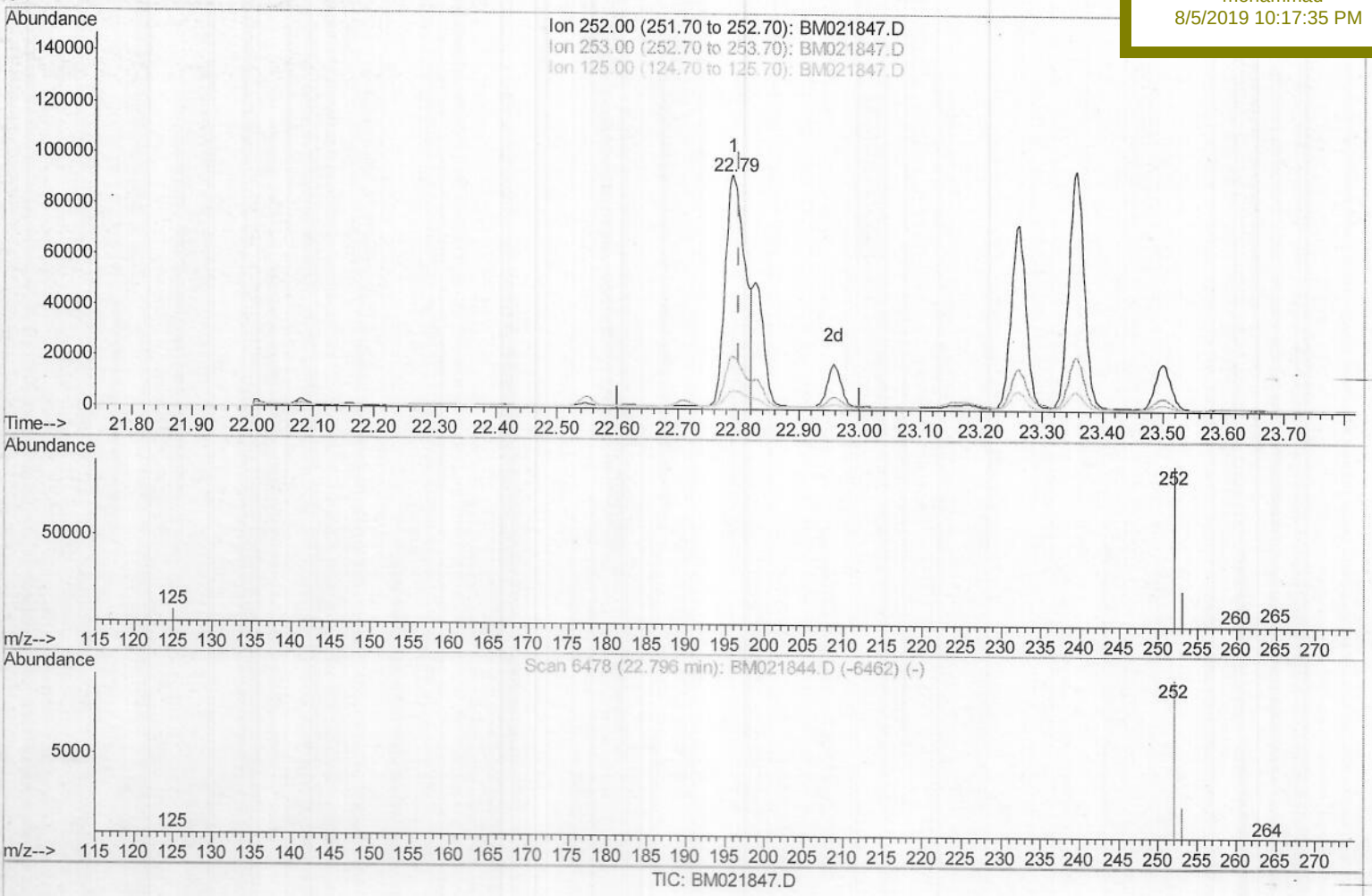
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021847.D
Acq On : 05 Aug 2019 18:03
Operator : HP/JU
Sample : K3850-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 18:37:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 17:14:32 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENP5DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:35 PM



TIC: BM021847.D

(21) Benzo(b)fluoranthene

22.791min (-0.010) 9.89ng/ul m JU08105/19

response 209948

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.07
125.00	15.50	7.98
0.00	0.00	0.00

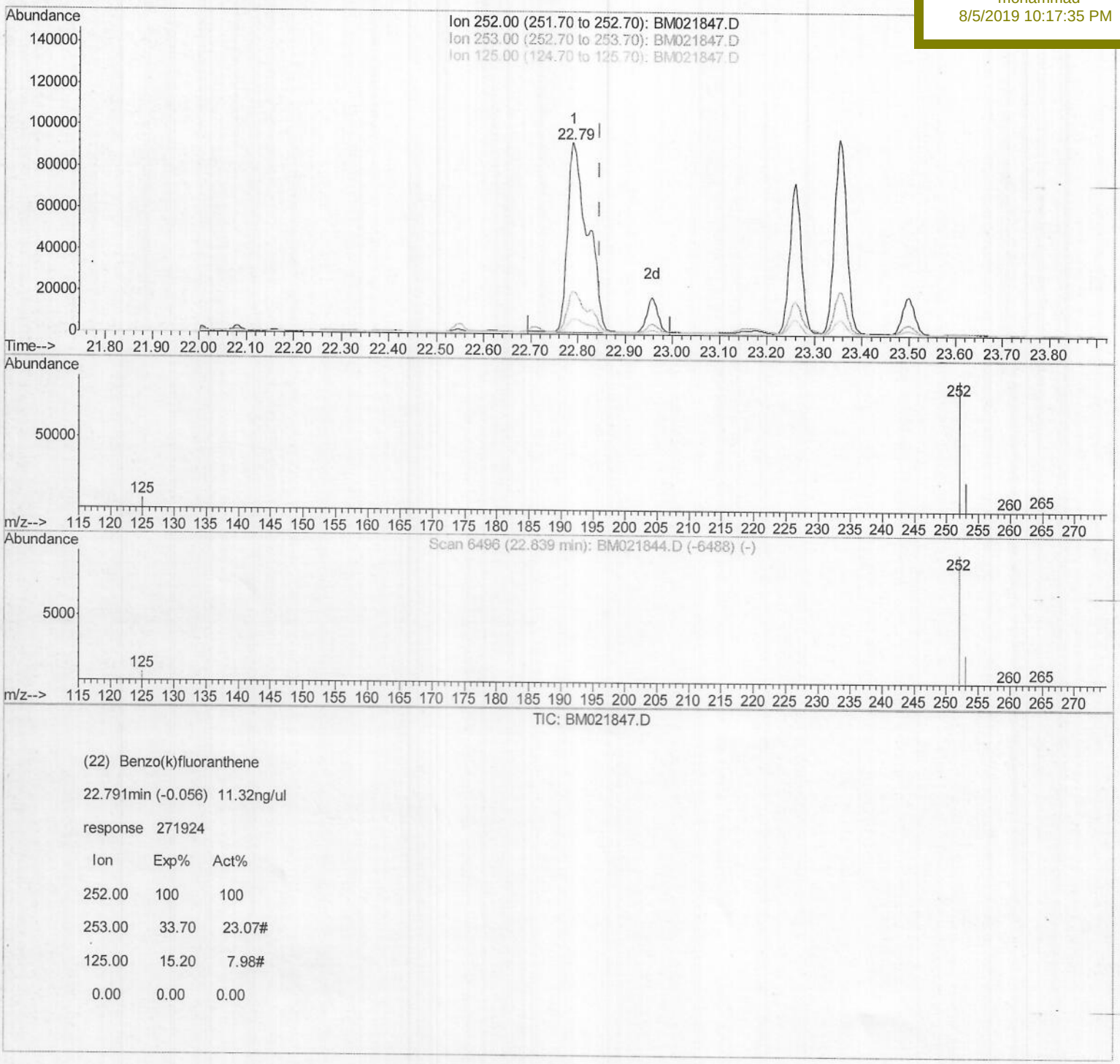
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021847.D
Acq On : 05 Aug 2019 18:03
Operator : HP/JU
Sample : K3850-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 18:37:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 17:14:32 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENP5DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:35 PM



TIC: BM021847.D

(22) Benzo(k)fluoranthene

22.791min (-0.056) 11.32ng/ul

response 271924

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.07#
125.00	15.20	7.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021847.D
Acq On : 05 Aug 2019 18:03
Operator : HP/JU
Sample : K3850-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 18:37:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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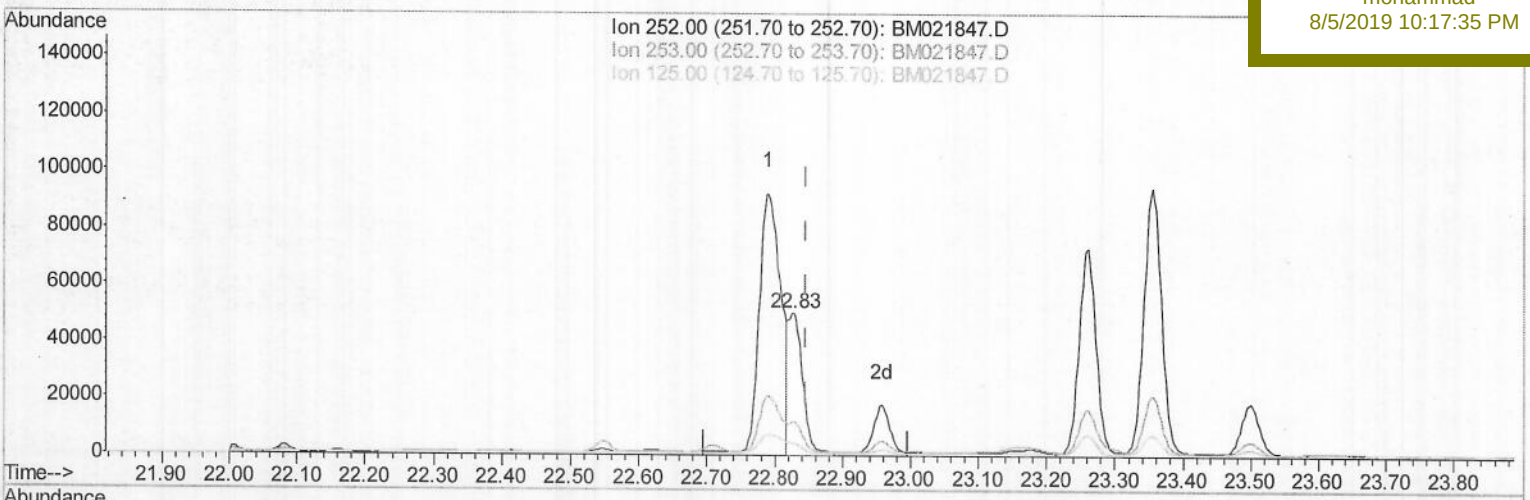
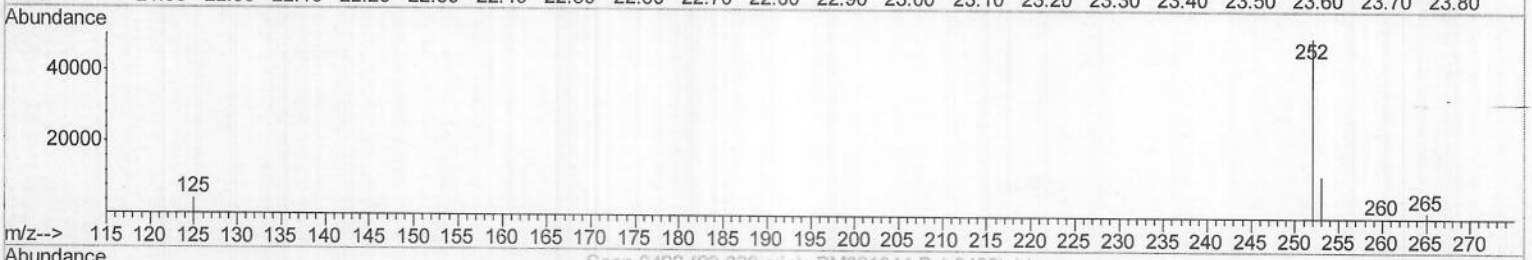
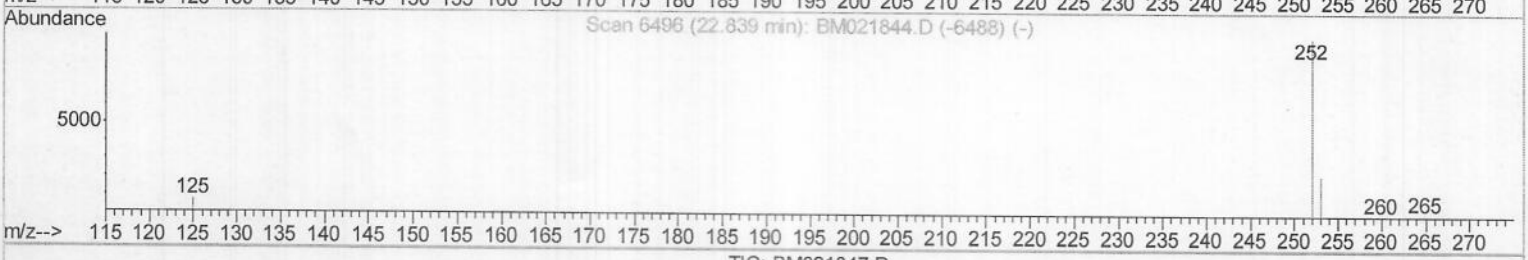
QLast Update : Mon Aug 05 17:14:32 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENP5DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:35 PM







TIC: BM021847.D

(22) Benzo(k)fluoranthene

22.827min (-0.020) 3.22ng/ul m JJU 08/05/19

response 77474

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.82#
125.00	15.20	8.83#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021847.D
Acq On : 05 Aug 2019 18:03
Operator : HP/JU
Sample : K3850-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 05 18:38:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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QLast Update : Mon Aug 05 17:14:32 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : BENP5DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:35 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	895	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3767	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2178	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	5130	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	4931	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	6296m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	260	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	799	0.05	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.47	128	4957	0.466	ng/ul	97
5) 2-Methylnaphthalene	12.09	142	3236	0.456	ng/ul	98
7) Acenaphthylene	14.01	152	3581	0.353	ng/ul	98
8) Acenaphthene	14.35	153	6642	0.799	ng/ul	96
9) Fluorene	15.34	166	6927	0.750	ng/ul	98
12) Phenanthrene	17.08	178	128830	8.631	ng/ul	96
13) Anthracene	17.17	178	28738	2.257	ng/ul	95
15) Fluoranthene	19.10	202	249674	12.487	ng/ul	95
17) Pyrene	19.47	202	341189	16.838	ng/ul	97
18) Benzo(a)anthracene	21.22	228	192687	10.925	ng/ul	99
19) Chrysene	21.27	228	214832	9.471	ng/ul	100
21) Benzo(b)fluoranthene	22.79	252	209948m	9.889	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	77474m	3.224	ng/ul	
23) Benzo(a)pyrene	23.36	252	168011	7.781	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.67	276	97292	3.774	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.67	278	30377	1.458	ng/ul	90
26) Benzo(g,h,i)perylene	26.35	276	105537	4.547	ng/ul	94

JU 08/05/19

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