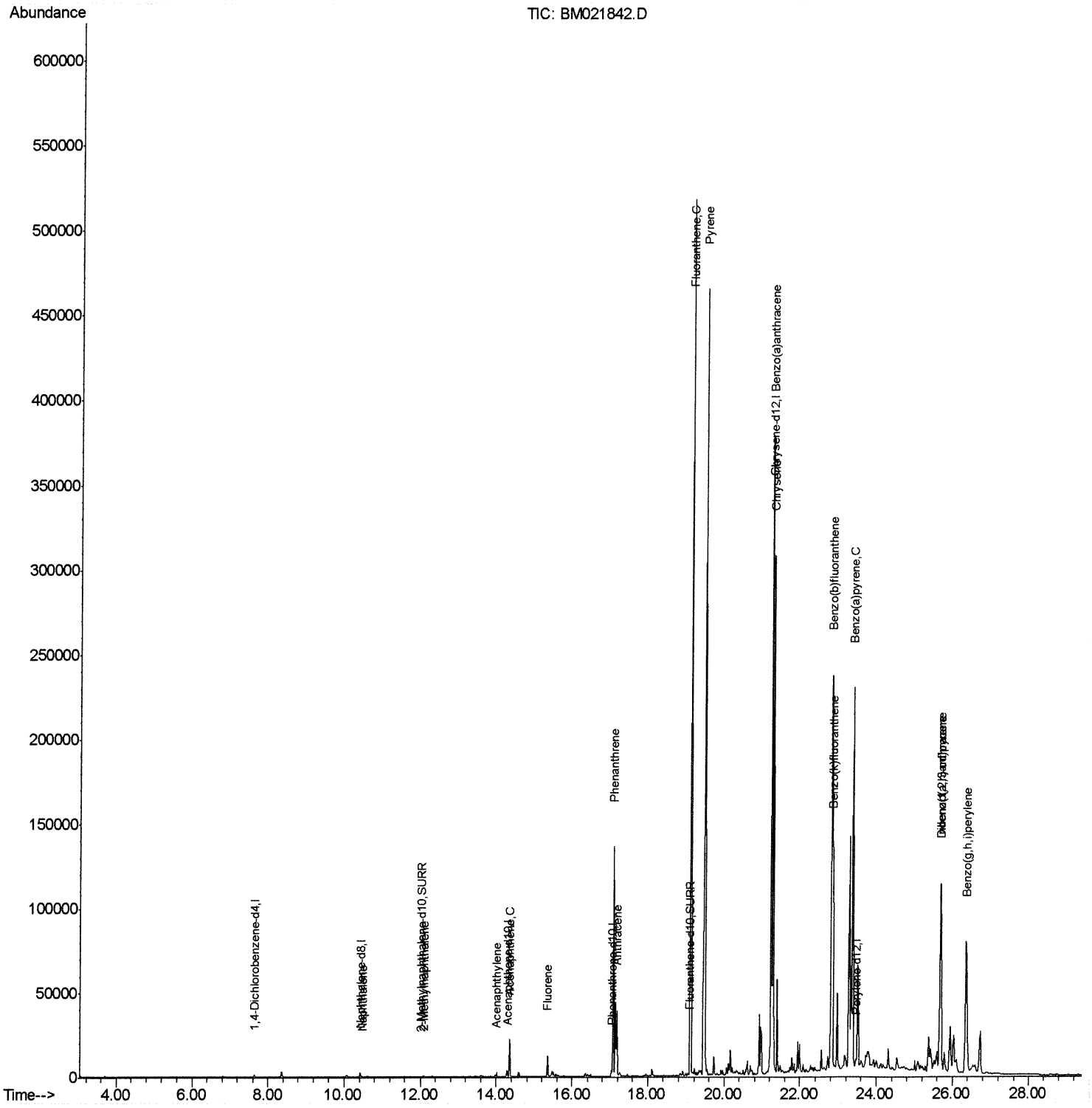
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021842.D
Acq On : 05 Aug 2019 14:25
Operator : HP/JU
Sample : K3850-13DL 5X
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 15:11:23 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS0DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:19 PM



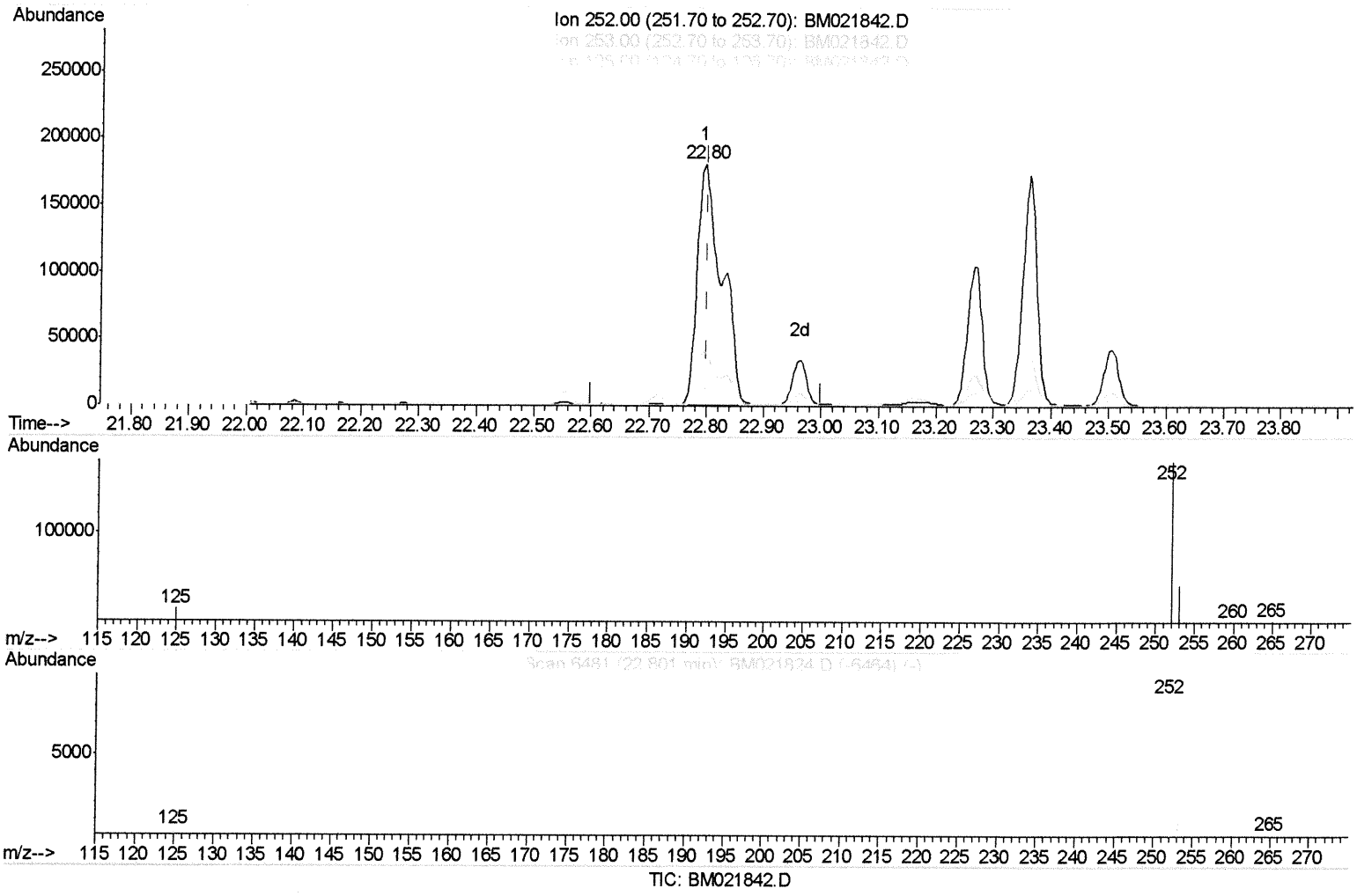
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021842.D
Acq On : 05 Aug 2019 14:25
Operator : HP/JU
Sample : K3850-13DL 5X
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 15:07:46 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS0DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:19 PM



TIC: BM021842.D

(21) Benzo(b)fluoranthene

22.795min (-0.005) 19.29ng/ul

response 535801

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.70
125.00	15.50	7.33
0.00	0.00	0.00

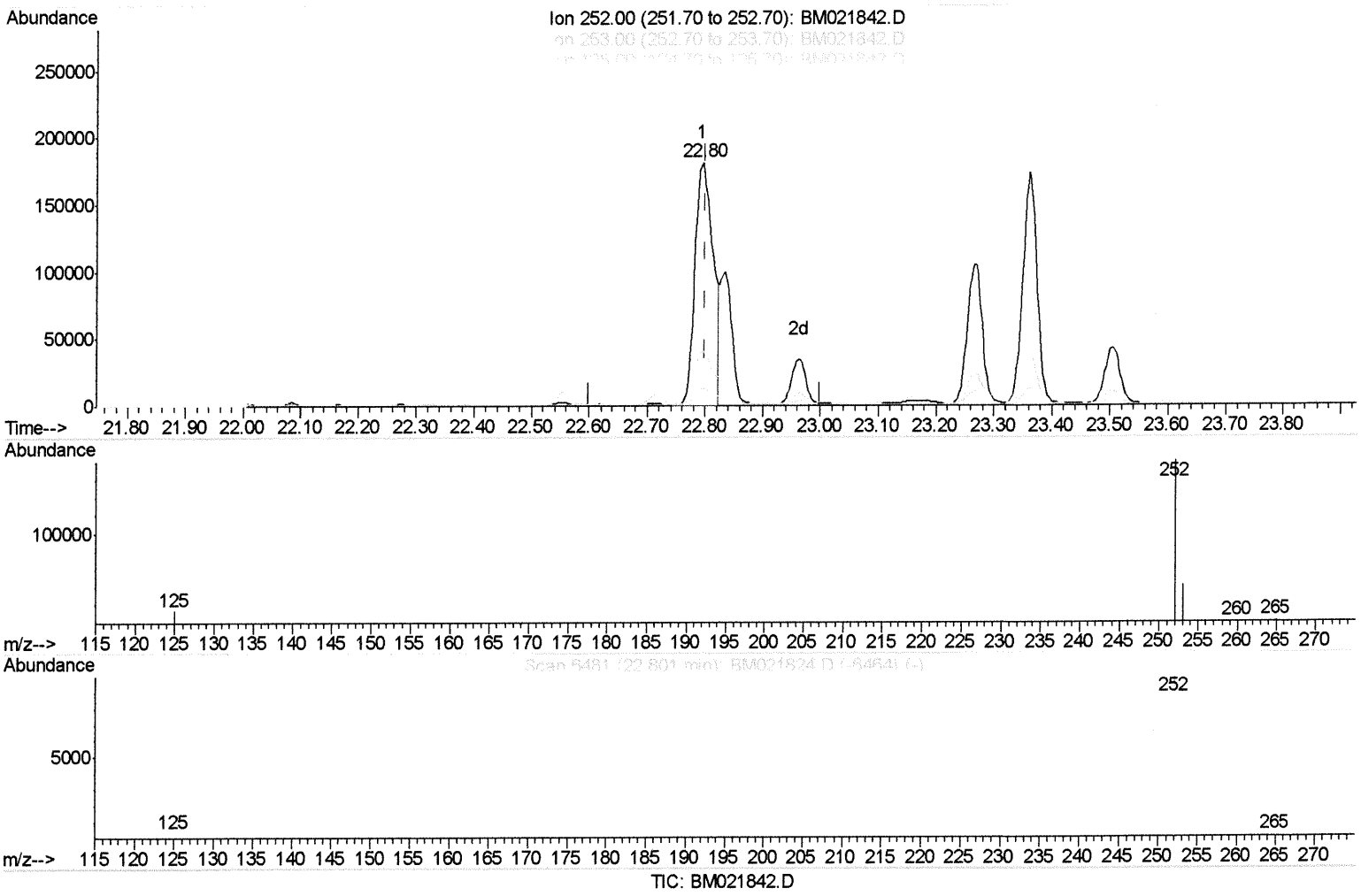
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021842.D
Acq On : 05 Aug 2019 14:25
Operator : HP/JU
Sample : K3850-13DL 5X
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 15:07:46 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS0DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:19 PM



(21) Benzo(b)fluoranthene

22.795min (-0.005) 14.18ng/ul m

response 393980

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.70
125.00	15.50	7.33
0.00	0.00	0.00

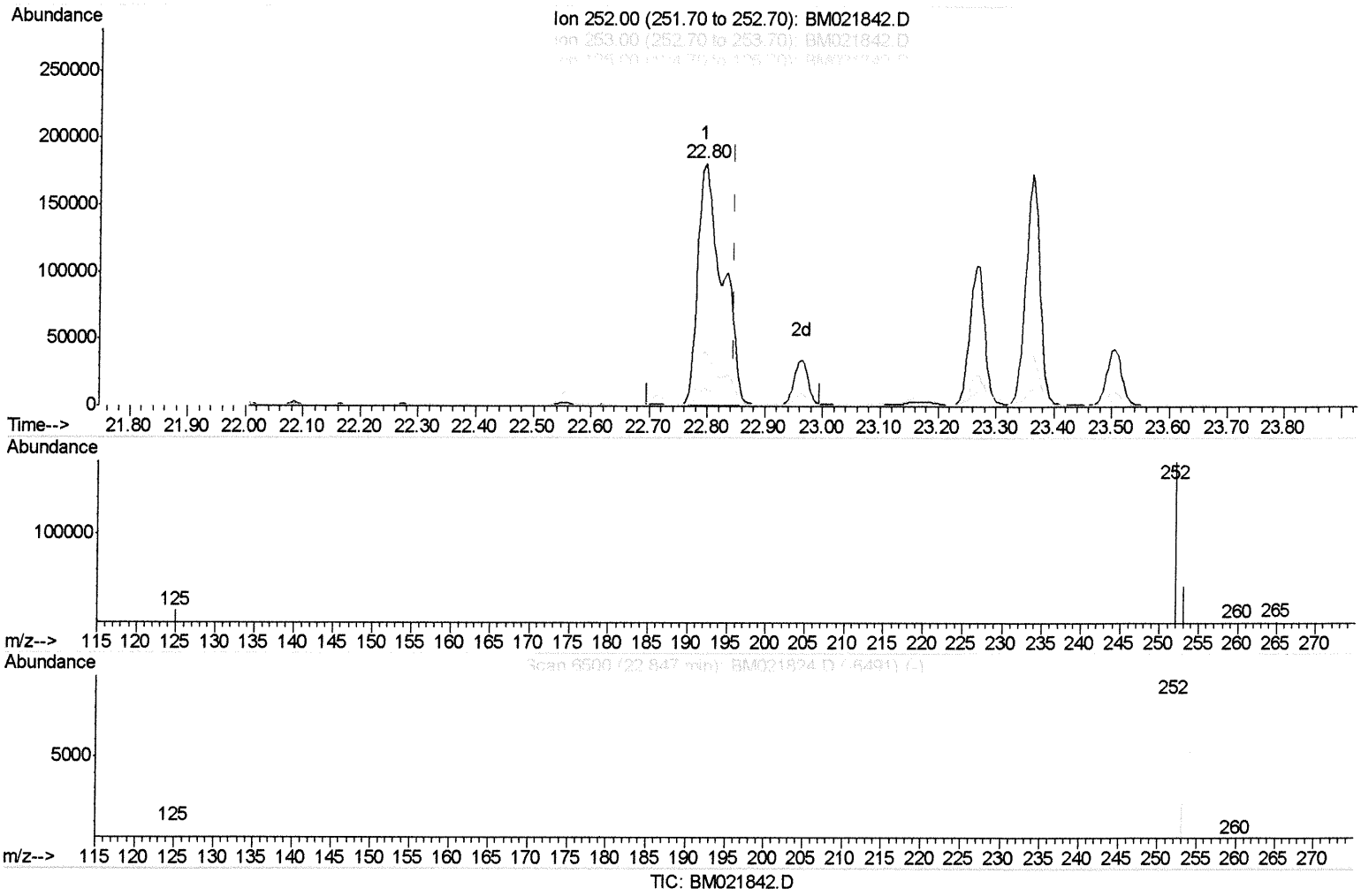
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021842.D
Acq On : 05 Aug 2019 14:25
Operator : HP/JU
Sample : K3850-13DL 5X
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 15:07:46 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS0DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:19 PM



TIC: BM021842.D

(22) Benzo(k)fluoranthene

22.795min (-0.051) 17.04ng/ul

response 535801

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.70#
125.00	15.20	7.33#
0.00	0.00	0.00

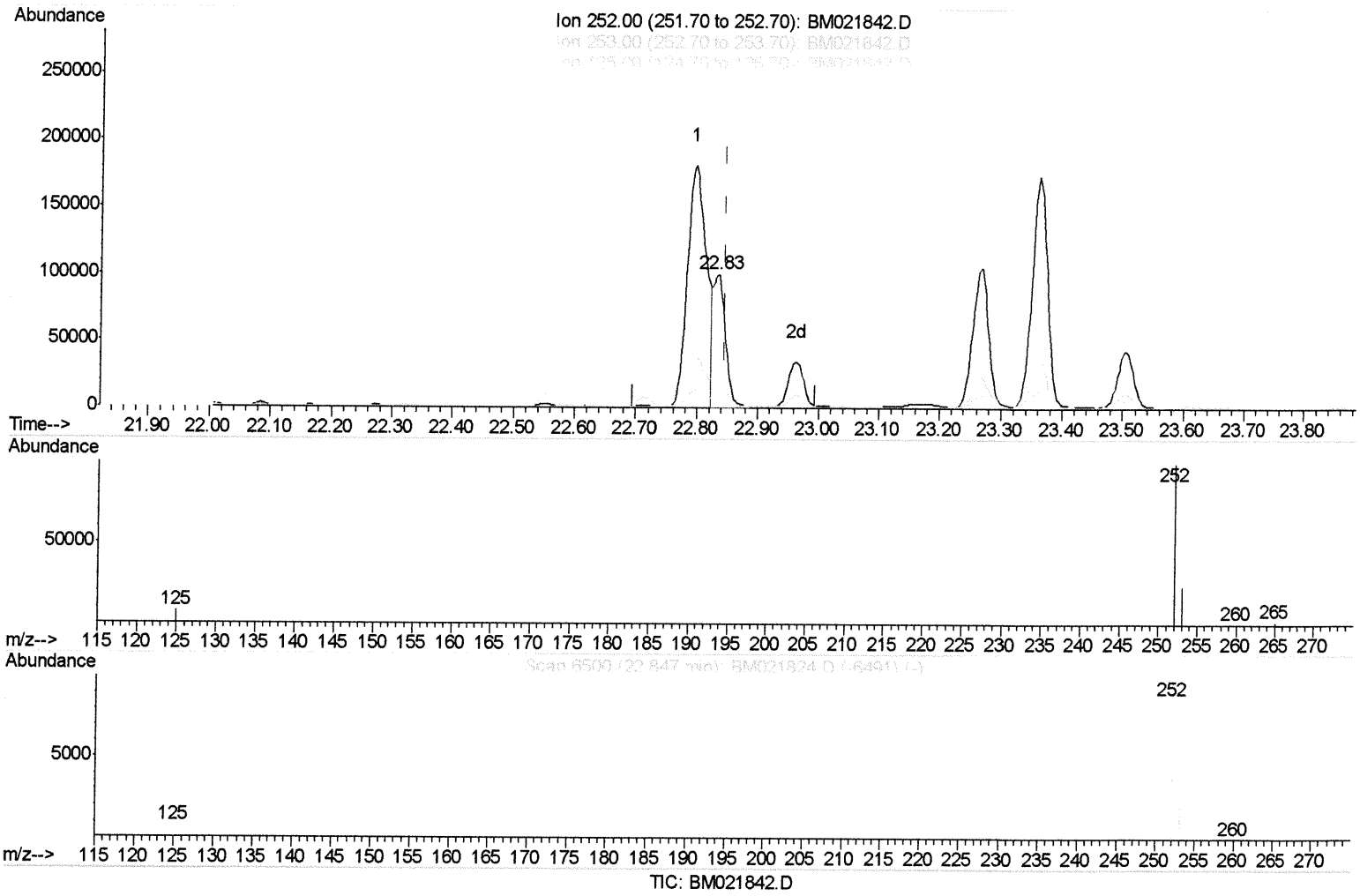
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021842.D
Acq On : 05 Aug 2019 14:25
Operator : HP/JU
Sample : K3850-13DL 5X
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 15:07:46 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS0DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:19 PM



(22) Benzo(k)fluoranthene JU 08/05/19

22.834min (-0.012) 4.66ng/ul m

response 146510

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.66#
125.00	15.20	7.48#
0.00	0.00	0.00

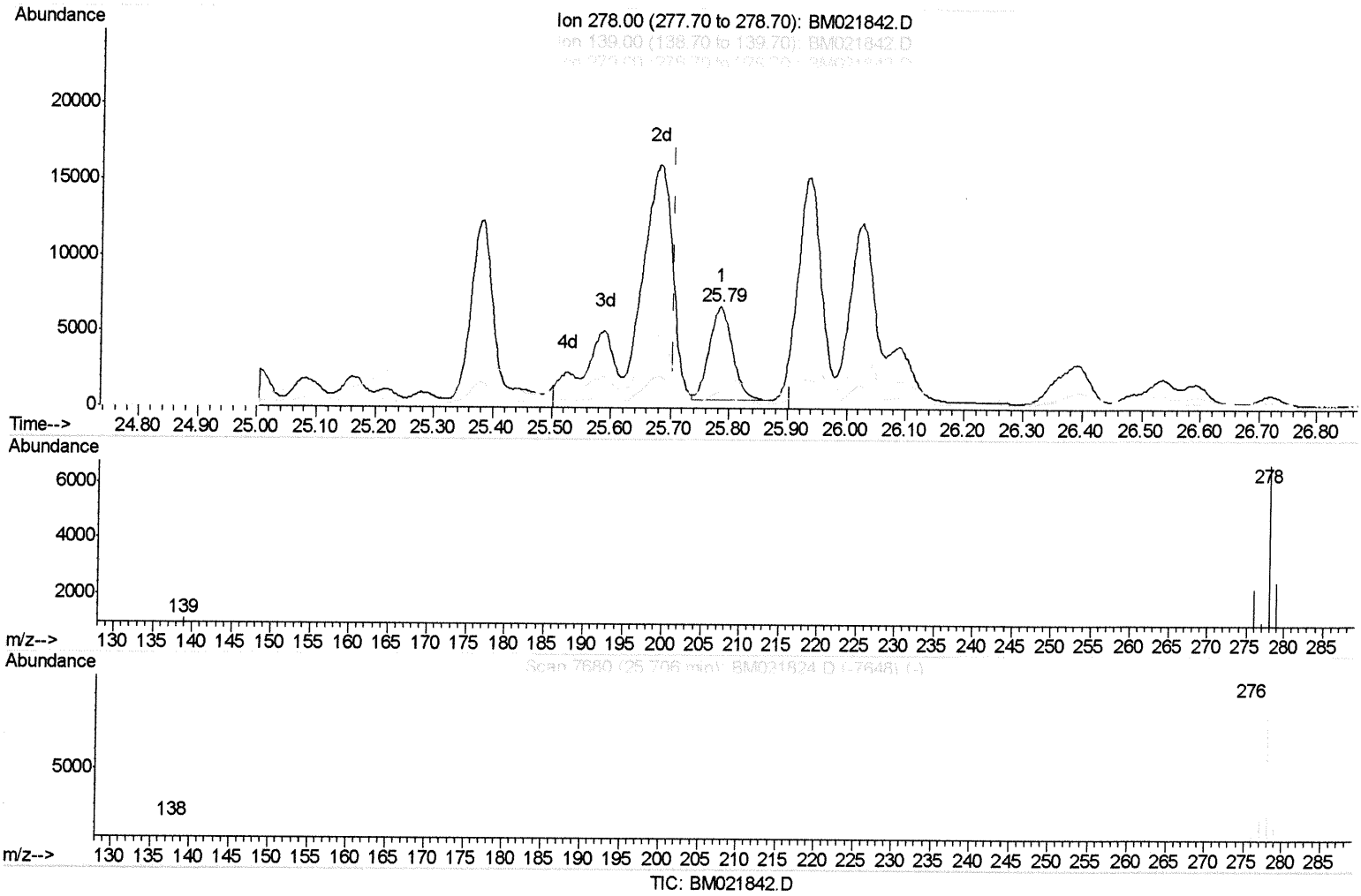
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021842.D
Acq On : 05 Aug 2019 14:25
Operator : HP/JU
Sample : K3850-13DL 5X
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 15:07:46 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS0DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:19 PM



TIC: BM021842.D

(25) Dibenzo(a,h)anthracene

25.785min (+0.080) 0.63ng/ul

response 17109

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	16.25
279.00	35.40	36.82
0.00	0.00	0.00

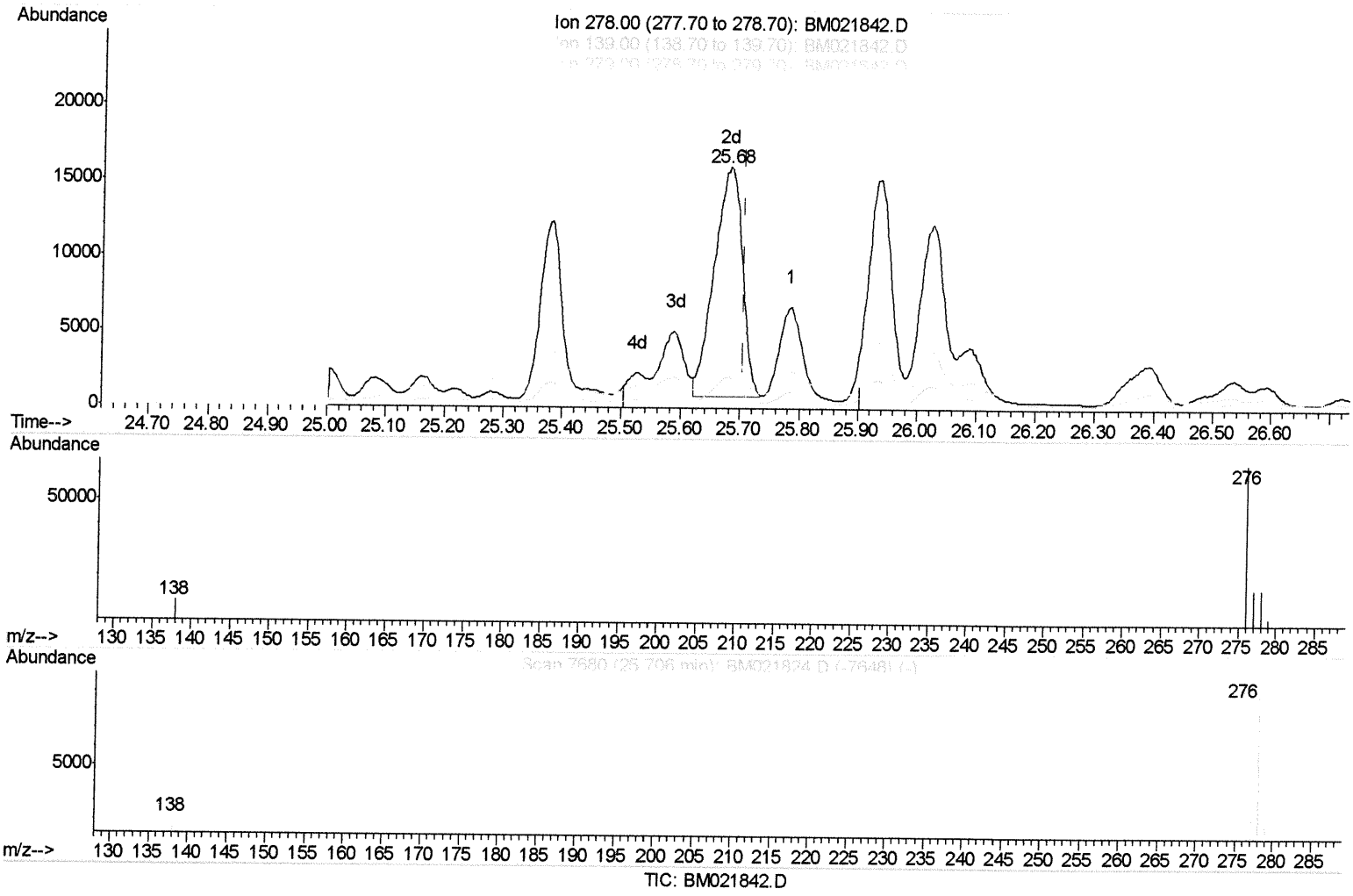
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021842.D
Acq On : 05 Aug 2019 14:25
Operator : HP/JU
Sample : K3850-13DL 5X
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 15:07:46 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS0DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:19 PM



TIC: BM021842.D

(25) Dibenzo(a,h)anthracene JU 08/05/19

25.679min (-0.027) 1.84ng/ul m

response 50282

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	13.14#
279.00	35.40	30.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021842.D
Acq On : 05 Aug 2019 14:25
Operator : HP/JU
Sample : K3850-13DL 5X
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 15:11:23 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 08:19:16 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : BENS0DL

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:19 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	932	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3755	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.29	164	2188	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	5129	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	5122	0.40	ng/ul	-0.01
20) Perylene-d12	23.46	264	8238	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	259	0.04	ng/ul	-0.01
14) Fluoranthene-d10	19.08	212	764	0.04	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.47	128	922	0.087	ng/ul#	88
5) 2-Methylnaphthalene	12.10	142	564	0.080	ng/ul	100
7) Acenaphthylene	14.01	152	1516	0.149	ng/ul#	91
8) Acenaphthene	14.35	153	13275	1.590	ng/ul	97
9) Fluorene	15.34	166	8213	0.886	ng/ul	97
12) Phenanthrene	17.08	178	139881	9.373	ng/ul	96
13) Anthracene	17.17	178	39296	3.087	ng/ul	95
15) Fluoranthene	19.11	202	436001	21.810	ng/ul	94
17) Pyrene	19.47	202	396790	18.852	ng/ul	97
18) Benzo(a)anthracene	21.22	228	301456	16.454	ng/ul	99
19) Chrysene	21.28	228	280858	11.920	ng/ul	99
21) Benzo(b)fluoranthene	22.80	252	393980m →	14.182	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	146510m →	4.660	ng/ul	
23) Benzo(a)pyrene	23.36	252	299523	10.602	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.68	276	175519	5.203	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.68	278	50282m →	1.844	ng/ul	
26) Benzo(g,h,i)perylene	26.35	276	168795	5.558	ng/ul#	93

JU 08/05/19

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