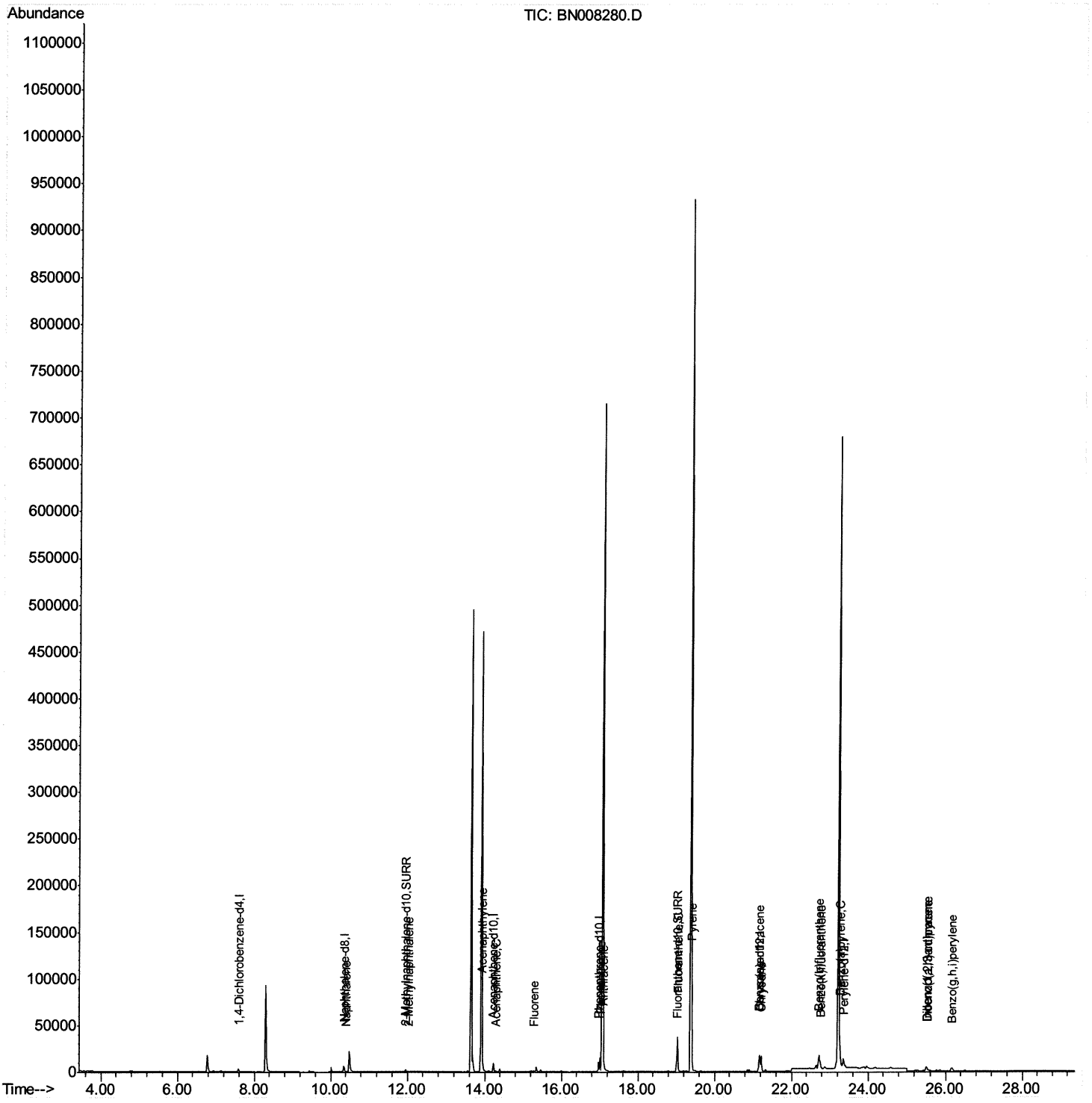
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102119\
Data File : BN008280.D
Acq On : 21 Oct 2019 13:24
Operator : JU
Sample : K5199-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 15:57:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 15:18:52 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP78

Manual Integrations APPROVED
mohammad
10/22/2019 3:27:09 PM



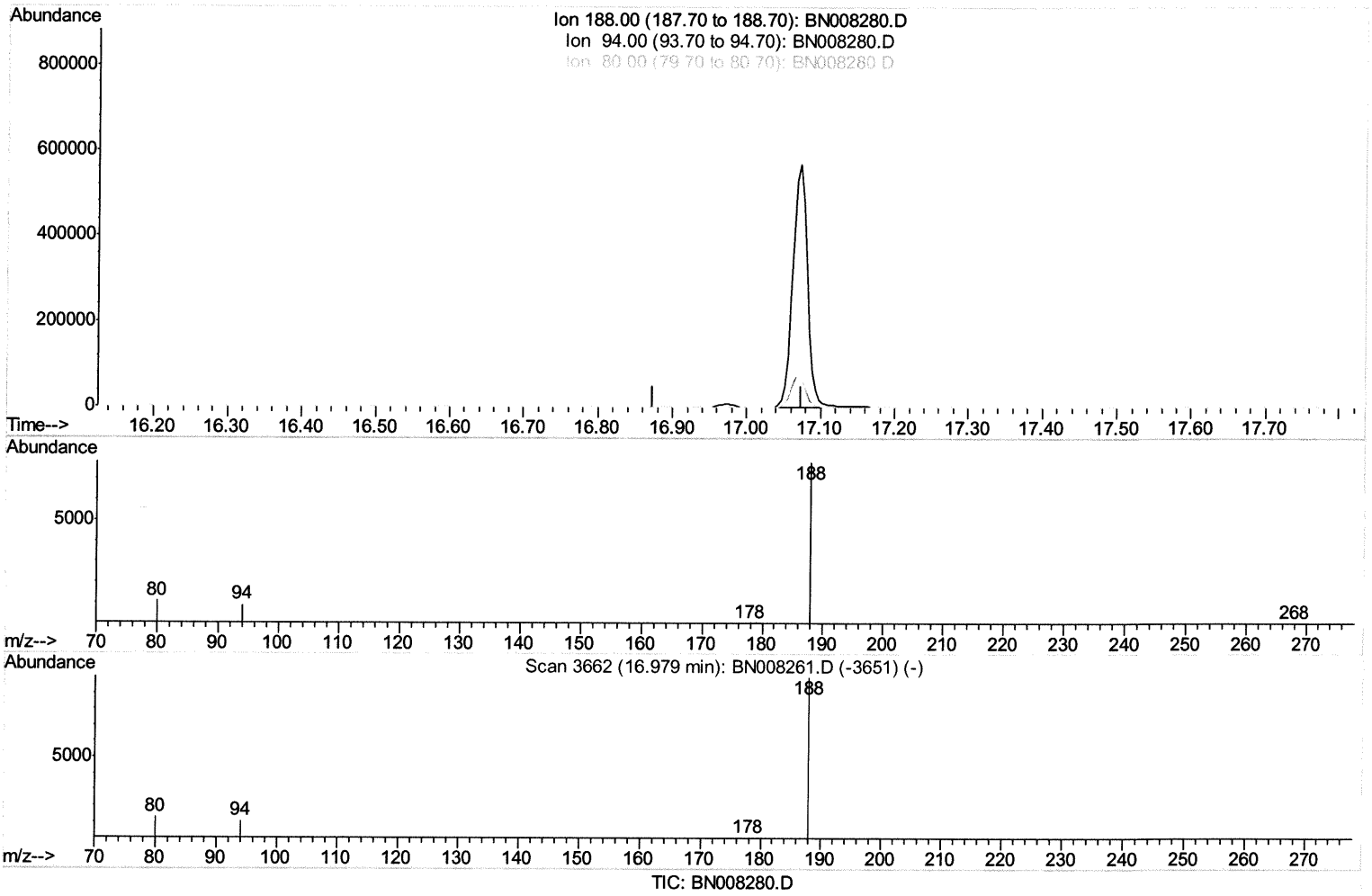
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102119\
Data File : BN008280.D
Acq On : 21 Oct 2019 13:24
Operator : JU
Sample : K5199-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 15:53:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 15:18:52 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP78

Manual Integrations APPROVED
mohammad
10/22/2019 3:27:09 PM



TIC: BN008280.D

(10) Phenanthrene-d10 (I)

16.975min (-16.975) 0.00ng/ul

response 0

Ion	Exp%	Act%
188.00	100	0.00
94.00	10.90	0.00#
80.00	12.60	0.00#
0.00	0.00	0.00

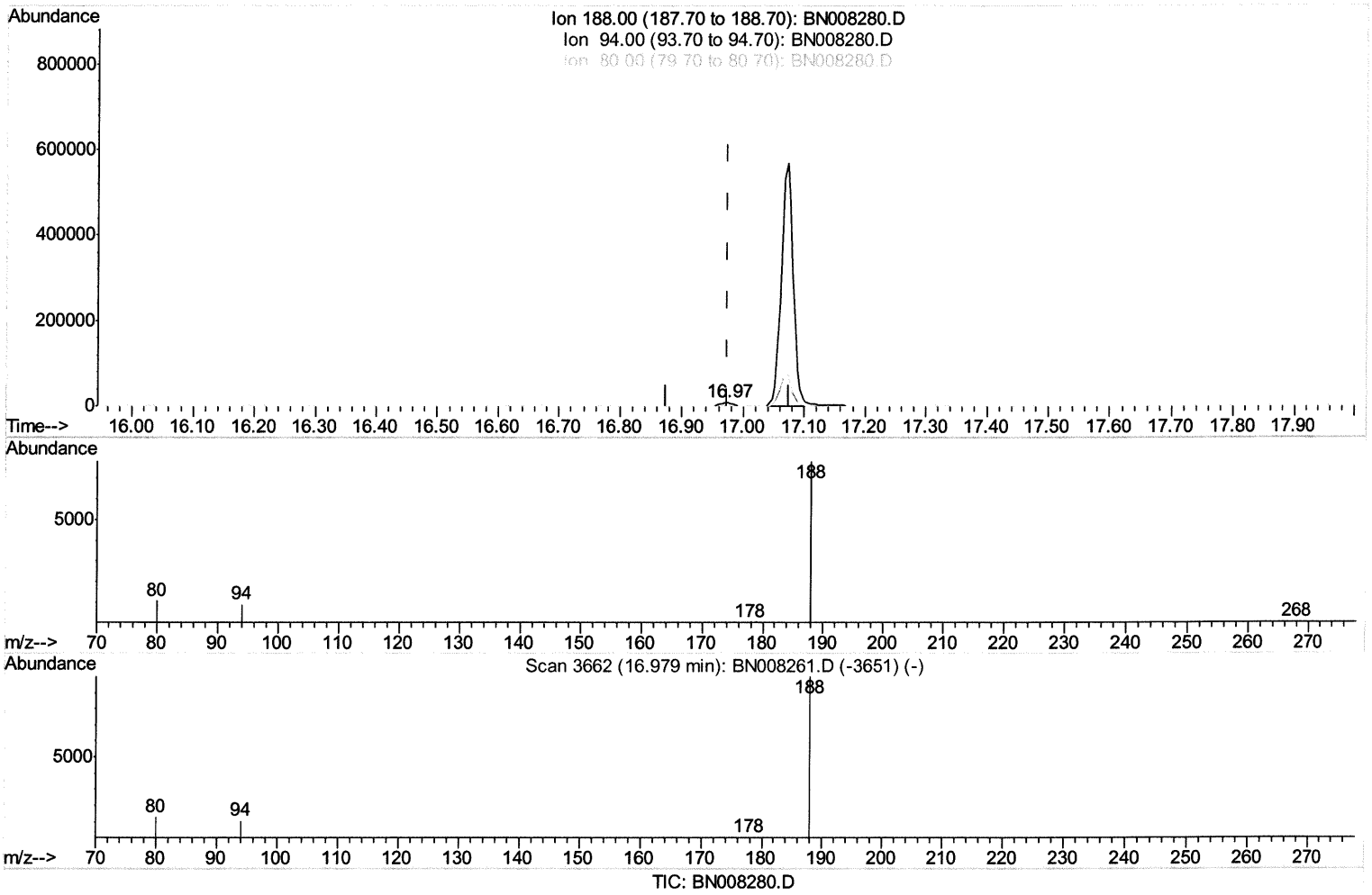
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102119\
Data File : BN008280.D
Acq On : 21 Oct 2019 13:24
Operator : JU
Sample : K5199-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 15:53:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 15:18:52 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP78

Manual Integrations APPROVED
mohammad
10/22/2019 3:27:09 PM



(10) Phenanthrene-d10 (I)

16.975min (+0.000) 0.40ng/ul m JH 10.23.19

response 11404

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.79
80.00	12.60	14.03
0.00	0.00	0.00

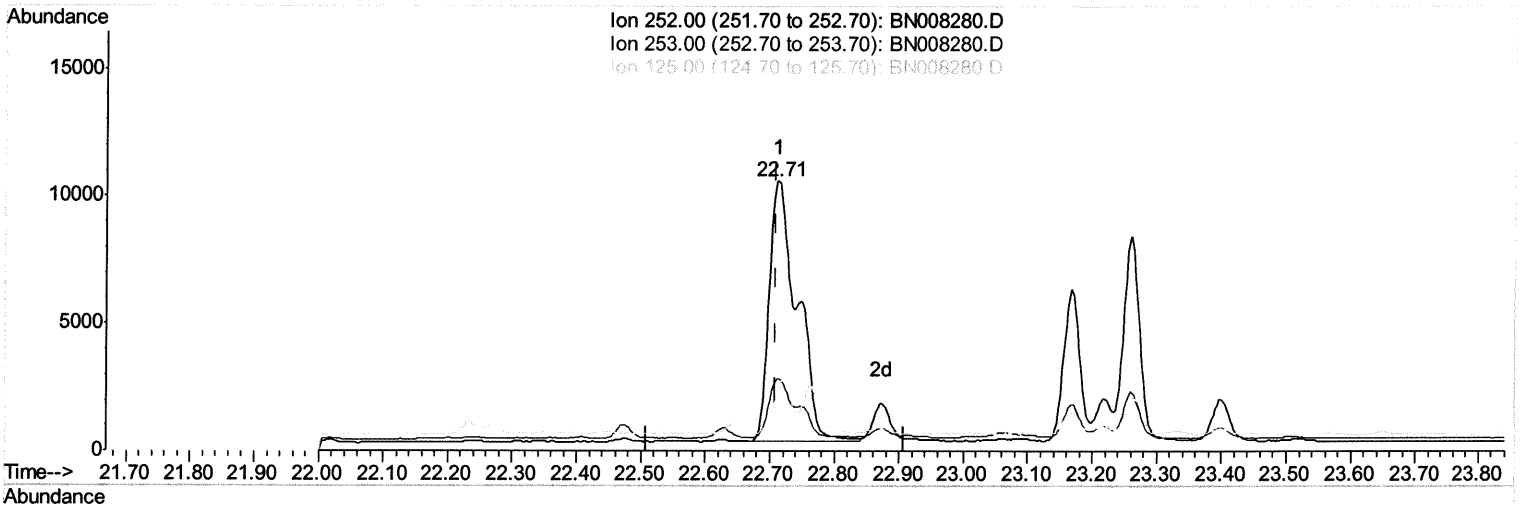
Quantitation Report (Qedit)

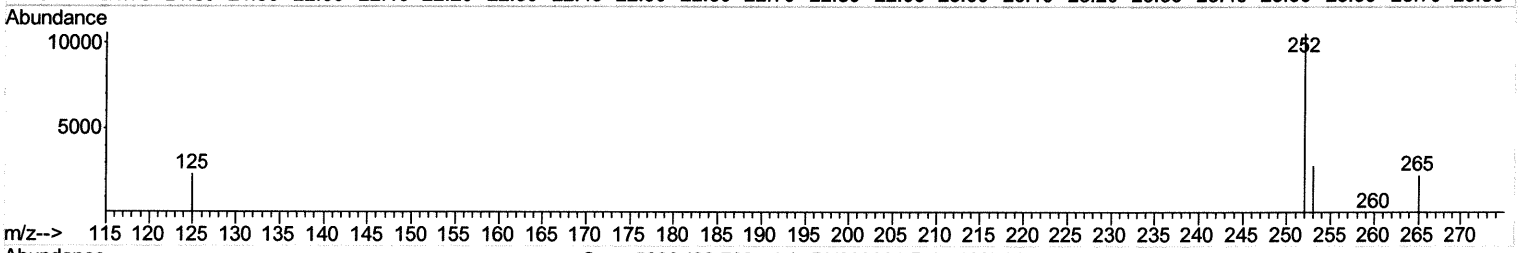
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102119\
Data File : BN008280.D
Acq On : 21 Oct 2019 13:24
Operator : JU
Sample : K5199-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

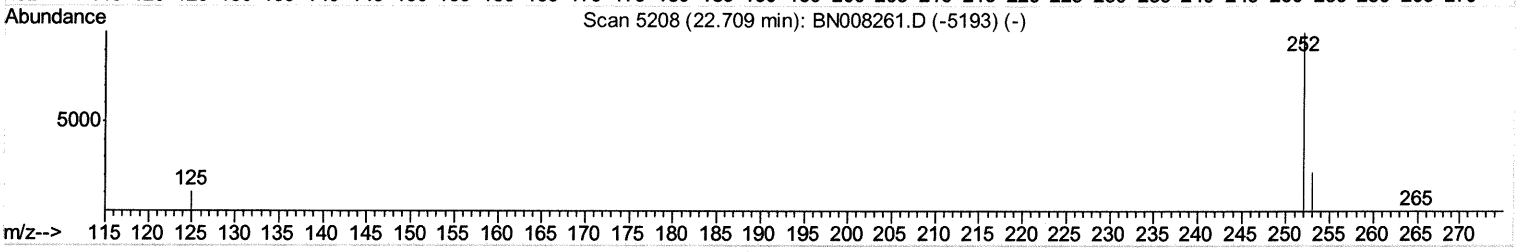
Quant Time: Oct 21 15:54:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 15:18:52 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP78

Manual Integrations APPROVED
mohammad
10/22/2019 3:27:09 PM







TIC: BN008280.D

(21) Benzo(b)fluoranthene

22.712min (+0.003) 0.70ng/ul

response 30806

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	26.89
125.00	16.20	21.83
0.00	0.00	0.00

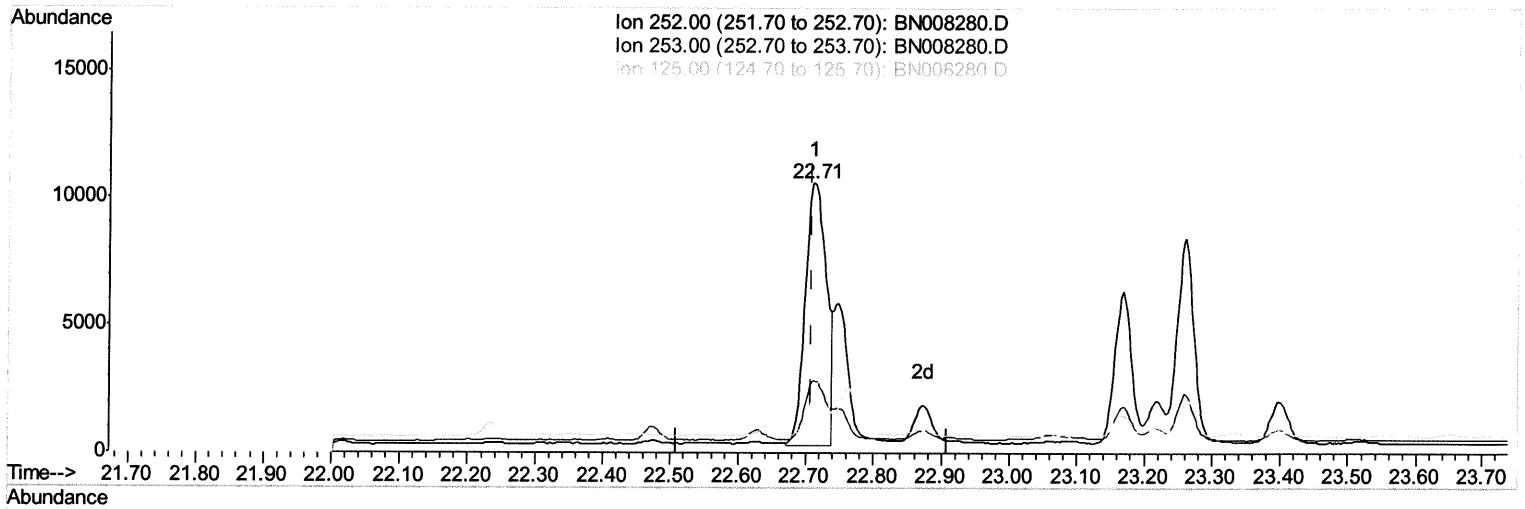
Quantitation Report (Qedit)

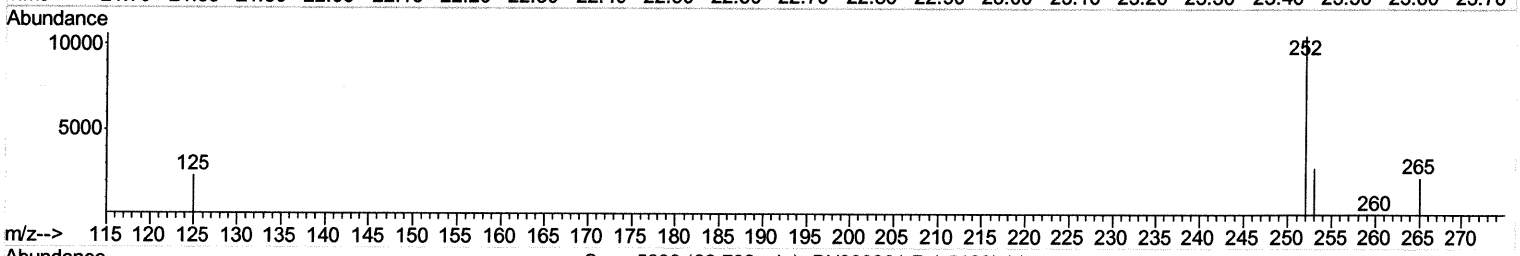
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102119\
Data File : BN008280.D
Acq On : 21 Oct 2019 13:24
Operator : JU
Sample : K5199-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

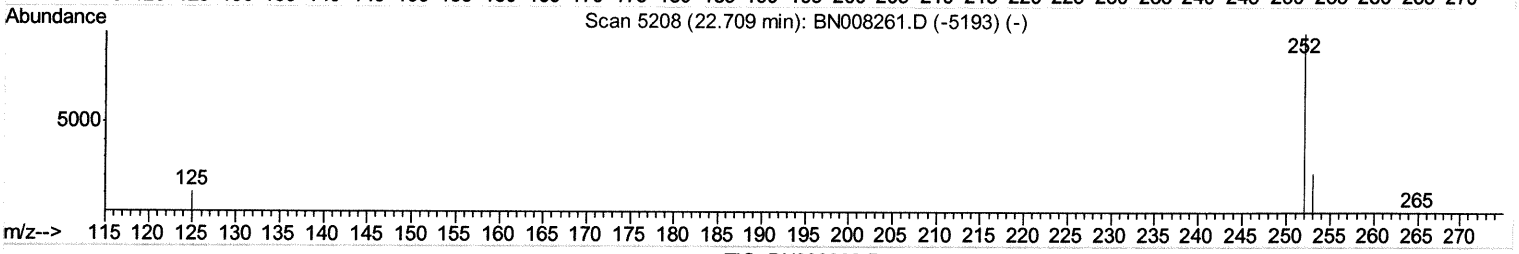
Quant Time: Oct 21 15:54:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 15:18:52 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP78

Manual Integrations APPROVED
mohammad
10/22/2019 3:27:09 PM







TIC: BN008280.D

(21) Benzo(b)fluoranthene

22.712min (+0.003) 0.51ng/ul m JH 10.23.19

response 22487

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	26.89
125.00	16.20	21.83
0.00	0.00	0.00

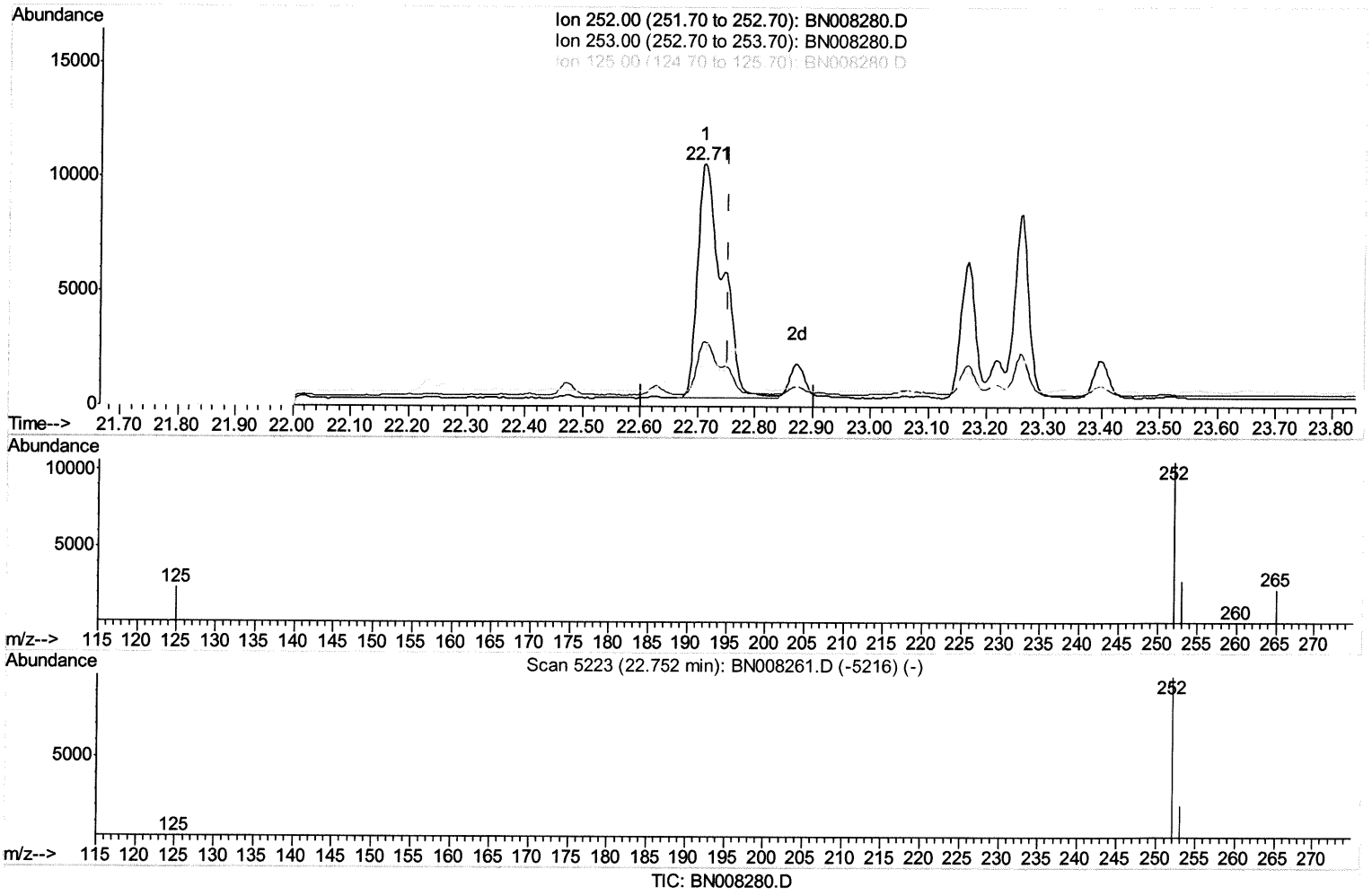
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102119\
Data File : BN008280.D
Acq On : 21 Oct 2019 13:24
Operator : JU
Sample : K5199-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 15:54:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 15:18:52 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP78

Manual Integrations APPROVED
mohammad
10/22/2019 3:27:09 PM



TIC: BN008280.D

(22) Benzo(k)fluoranthene

22.712min (-0.041) 0.62ng/ul

response 30794

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	26.89
125.00	15.40	21.83#
0.00	0.00	0.00

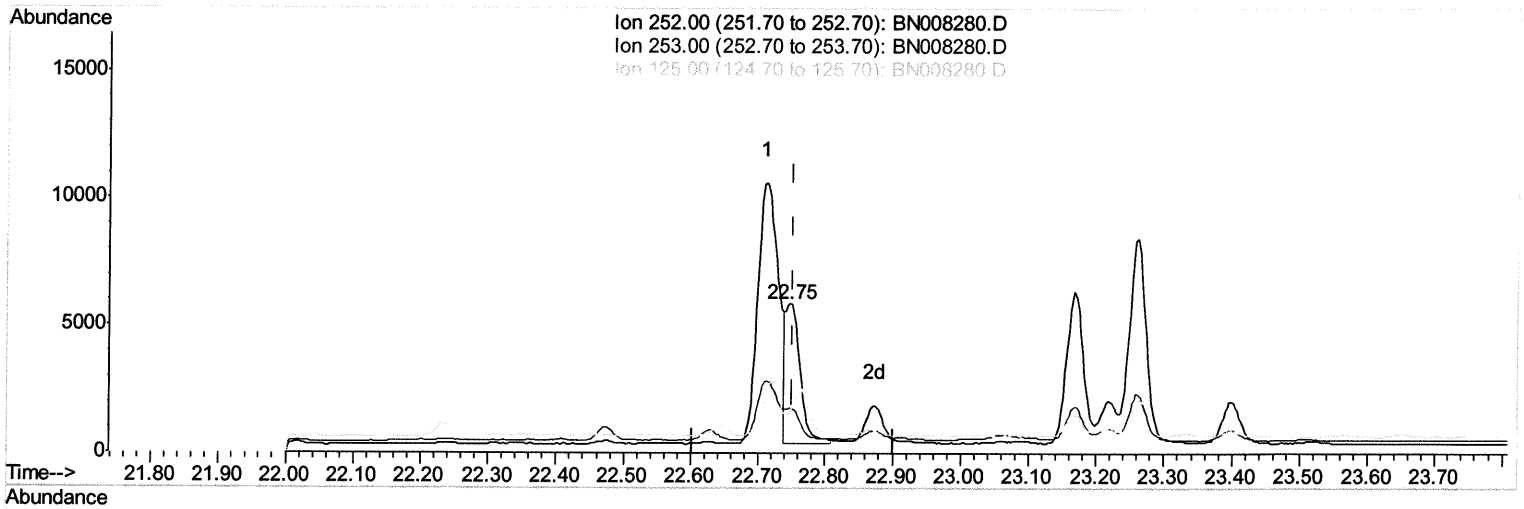
Quantitation Report (Qedit)

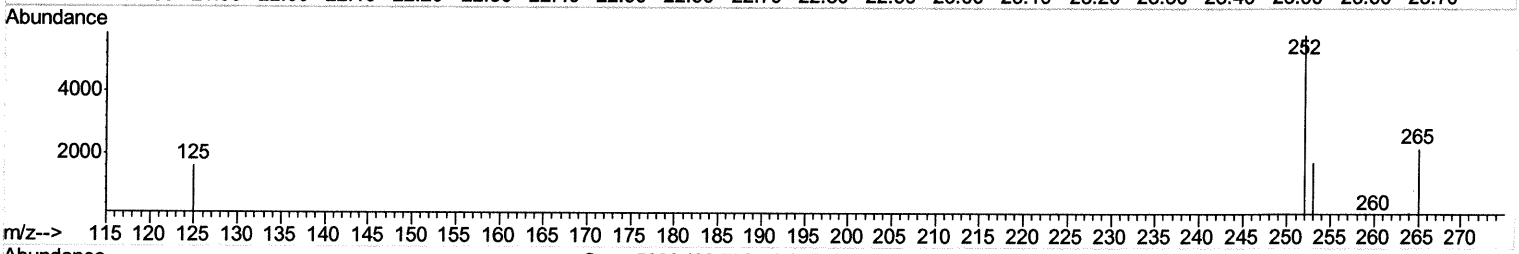
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102119\
Data File : BN008280.D
Acq On : 21 Oct 2019 13:24
Operator : JU
Sample : K5199-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

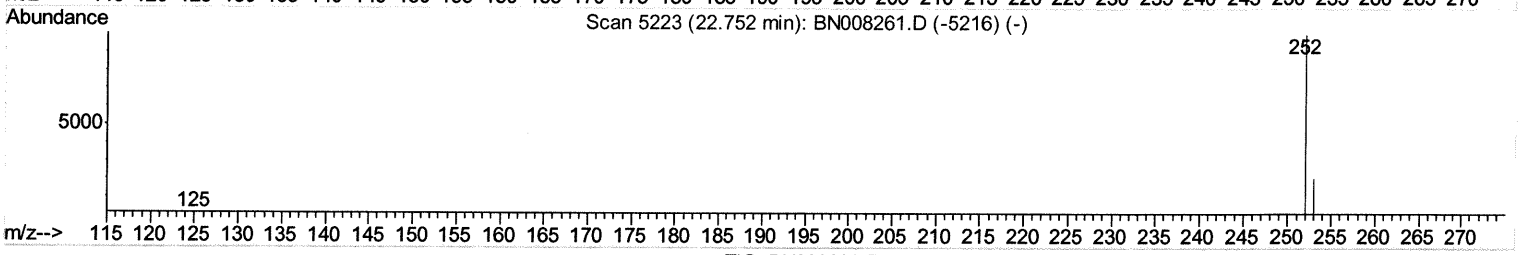
Quant Time: Oct 21 15:54:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 15:18:52 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP78

Manual Integrations APPROVED
mohammad
10/22/2019 3:27:09 PM







TIC: BN008280.D

(22) Benzo(k)fluoranthene

22.747min (-0.006) 0.17ng/ul m JH 10.23.19

response 8322

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	30.28
125.00	15.40	27.43#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102119\
Data File : BN008280.D
Acq On : 21 Oct 2019 13:24
Operator : JU
Sample : K5199-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 21 15:57:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 15:18:52 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : BEP78

Manual Integrations APPROVED
mohammad
10/22/2019 3:27:09 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1736	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	8276	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	5168	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	11404m	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	11422	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	13525	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	3607	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	10689	0.27	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.40	128	757	0.032	ng/ul#	74
5) 2-Methylnaphthalene	12.03	142	429	0.027	ng/ul	99
7) Acenaphthylene	13.94	152	1245	0.051	ng/ul#	86
8) Acenaphthene	14.29	153	507	0.026	ng/ul	94
9) Fluorene	15.28	166	661	0.030	ng/ul#	91
12) Phenanthrene	17.01	178	15022	0.450	ng/ul	99
13) Anthracene	17.11	178	2011	0.068	ng/ul#	92
15) Fluoranthene	19.04	202	32554	0.738	ng/ul	96
17) Pyrene	19.40	202	28874	0.635	ng/ul	99
18) Benzo(a)anthracene	21.16	228	13270	0.320	ng/ul	96
19) Chrysene	21.22	228	18083	0.355	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	22487m	0.511	ng/ul	
22) Benzo(k)fluoranthene	22.75	252	8322m	0.167	ng/ul	
23) Benzo(a)pyrene	23.26	252	13925	0.301	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.51	276	8852	0.162	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.51	278	1890	0.044	ng/ul#	58
26) Benzo(g,h,i)perylene	26.16	276	7408	0.148	ng/ul#	93

JU 10.23.19

JU 10.23.19

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