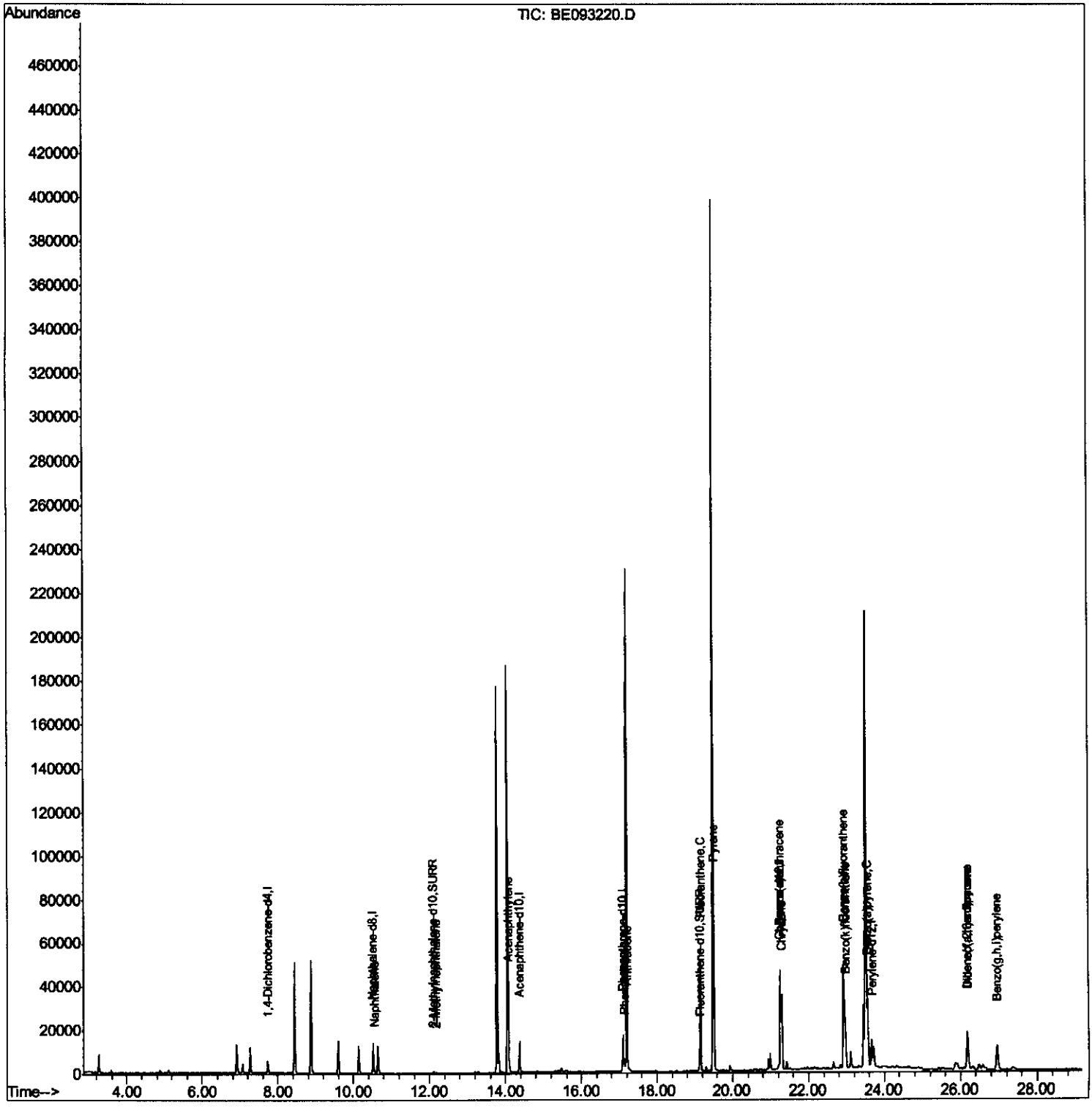
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093220.D
Acq On : 15 Jun 2017 22:22
Operator : SJ/MA
Sample : I3521-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 16 05:27:32 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5D54DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:53 AM



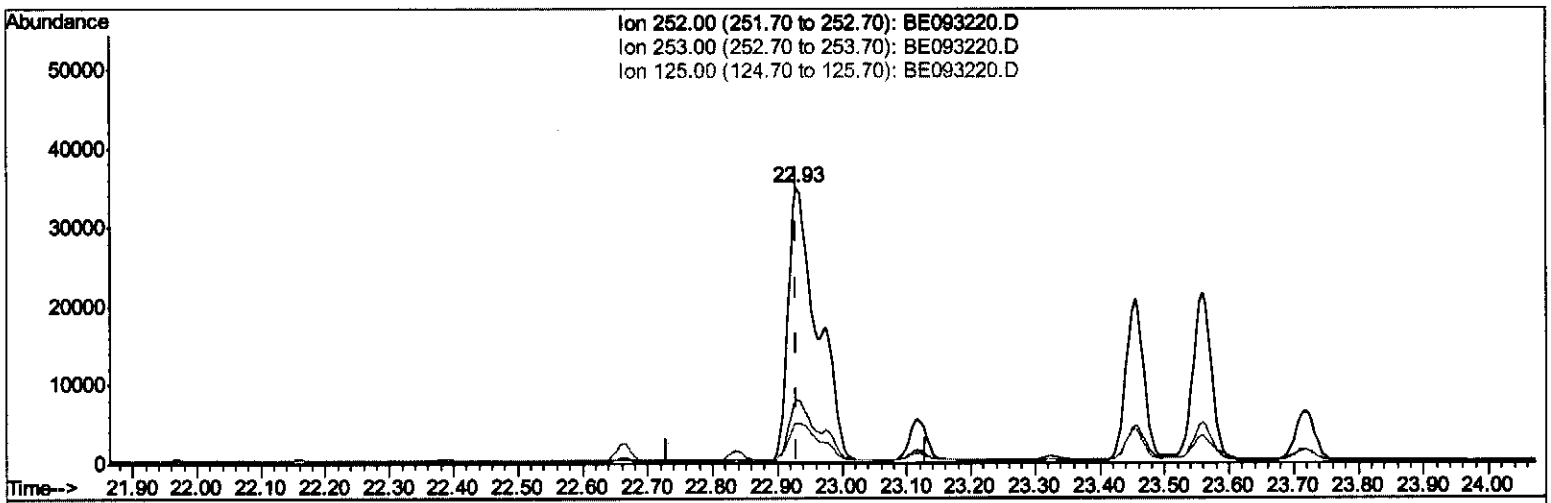
Quantitation Report (Qedit)

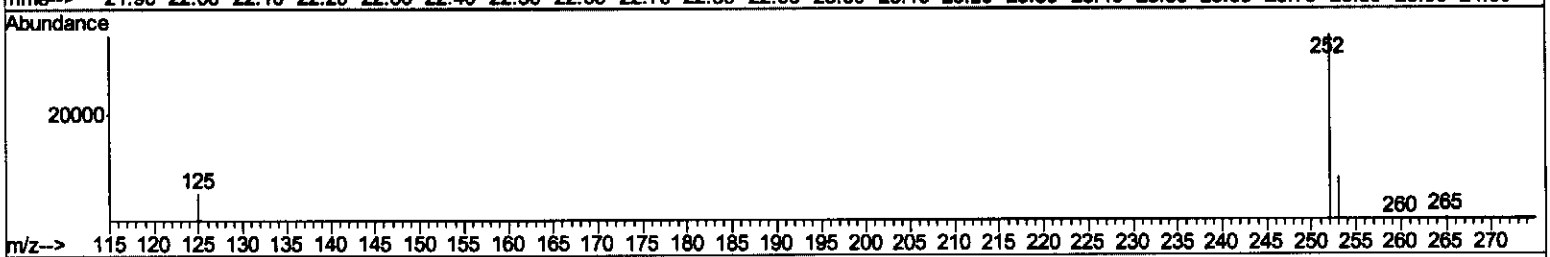
Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093220.D
Acq On : 15 Jun 2017 22:22
Operator : SJ/MA
Sample : I3521-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

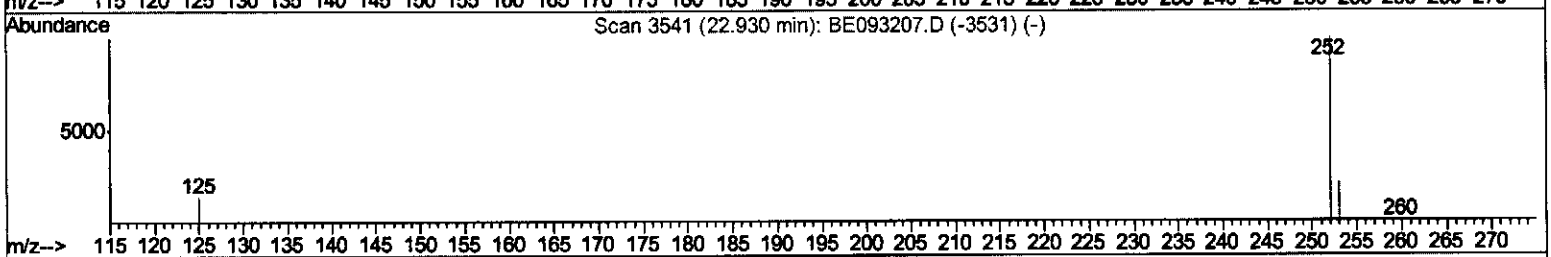
Quant Time: Jun 16 04:45:23 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5D54DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:53 AM







TIC: BE093220.D

(21) Benzo(b)fluoranthene

22.930min (+0.001) 1.83ng/ul

response 109011

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.07
125.00	17.50	14.68
0.00	0.00	0.00

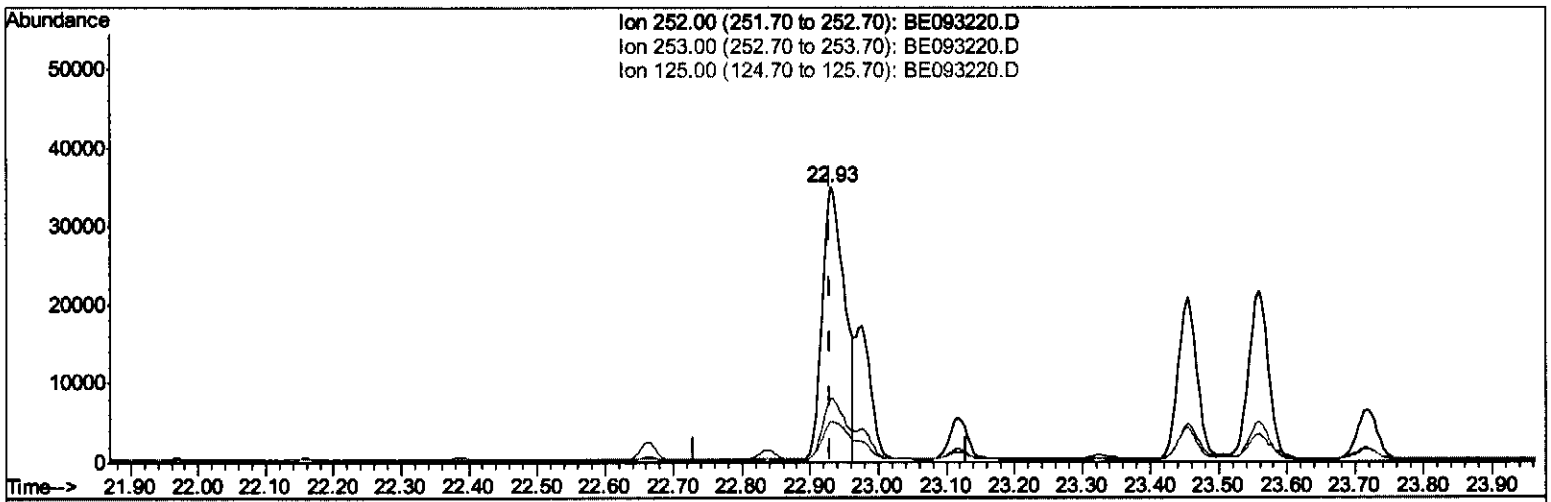
Quantitation Report (Qedit)

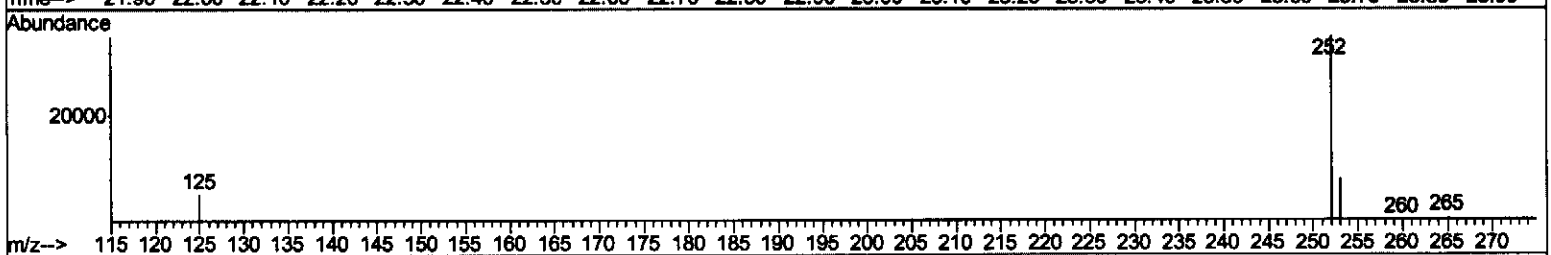
Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093220.D
Acq On : 15 Jun 2017 22:22
Operator : SJ/MA
Sample : I3521-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

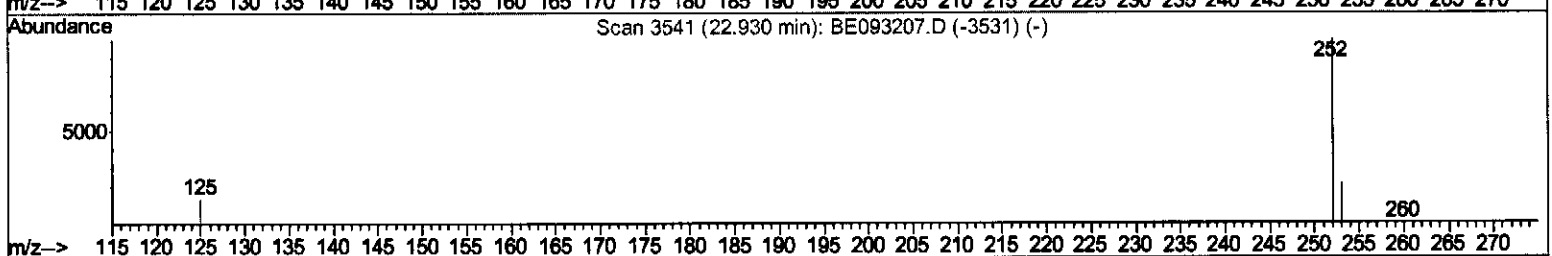
Quant Time: Jun 16 04:45:23 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5D54DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:53 AM







TIC: BE093220.D

(21) Benzo(b)fluoranthene

22.930min (+0.001) 1.38ng/ul m > SJ 06/21/17

response 82478

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.07
125.00	17.50	14.68
0.00	0.00	0.00

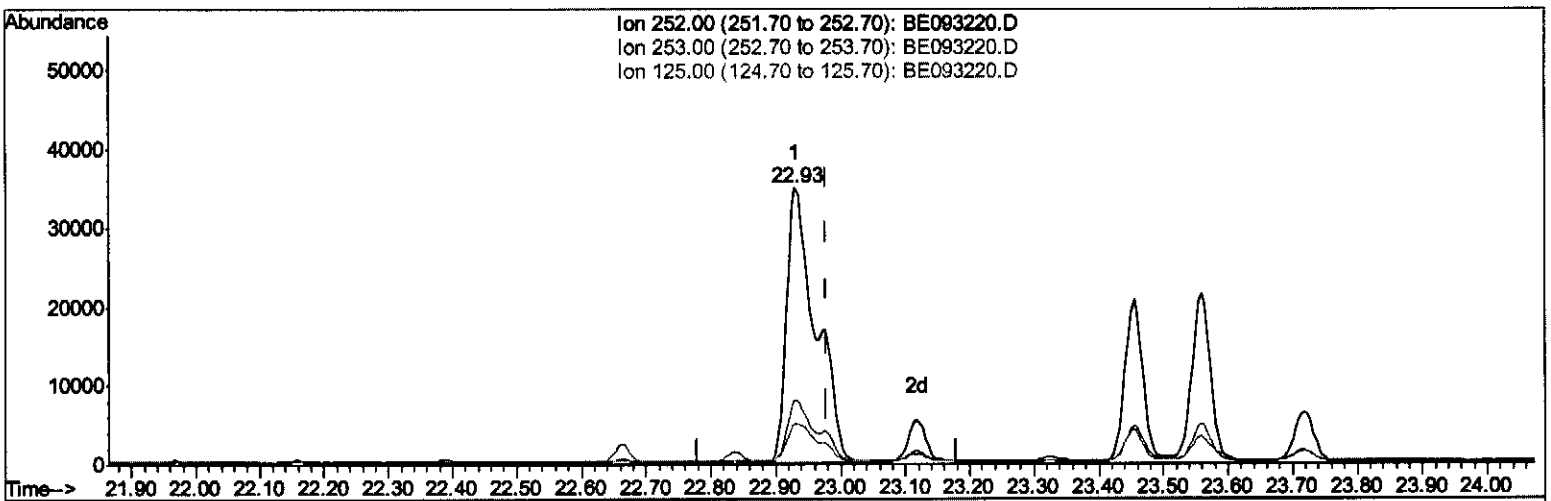
Quantitation Report (Qedit)

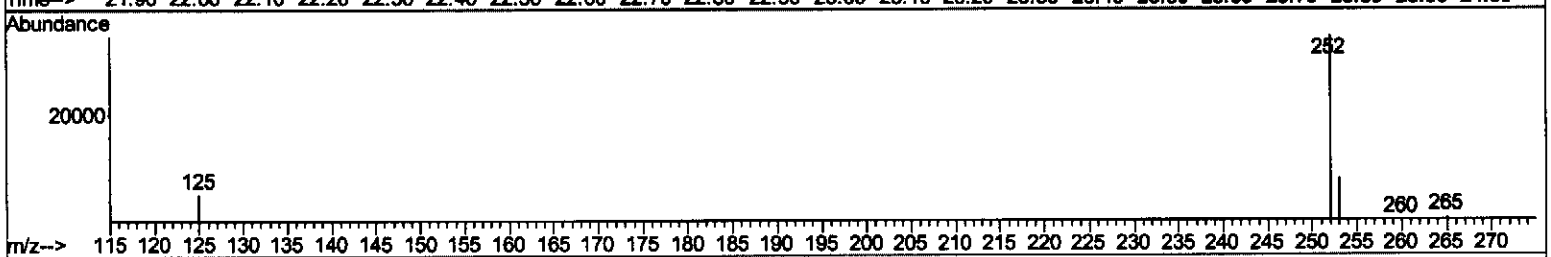
Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093220.D
Acq On : 15 Jun 2017 22:22
Operator : SJ/MA
Sample : I3521-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

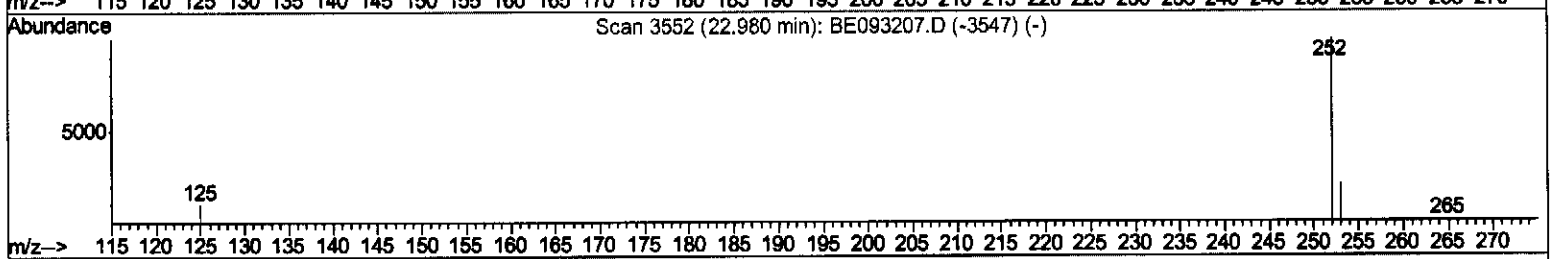
Quant Time: Jun 16 04:45:23 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5D54DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:53 AM







TIC: BE093220.D

(22) Benzo(k)fluoranthene

22.930min (-0.049) 1.72ng/ul

response 109011

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.07#
125.00	17.10	14.68
0.00	0.00	0.00

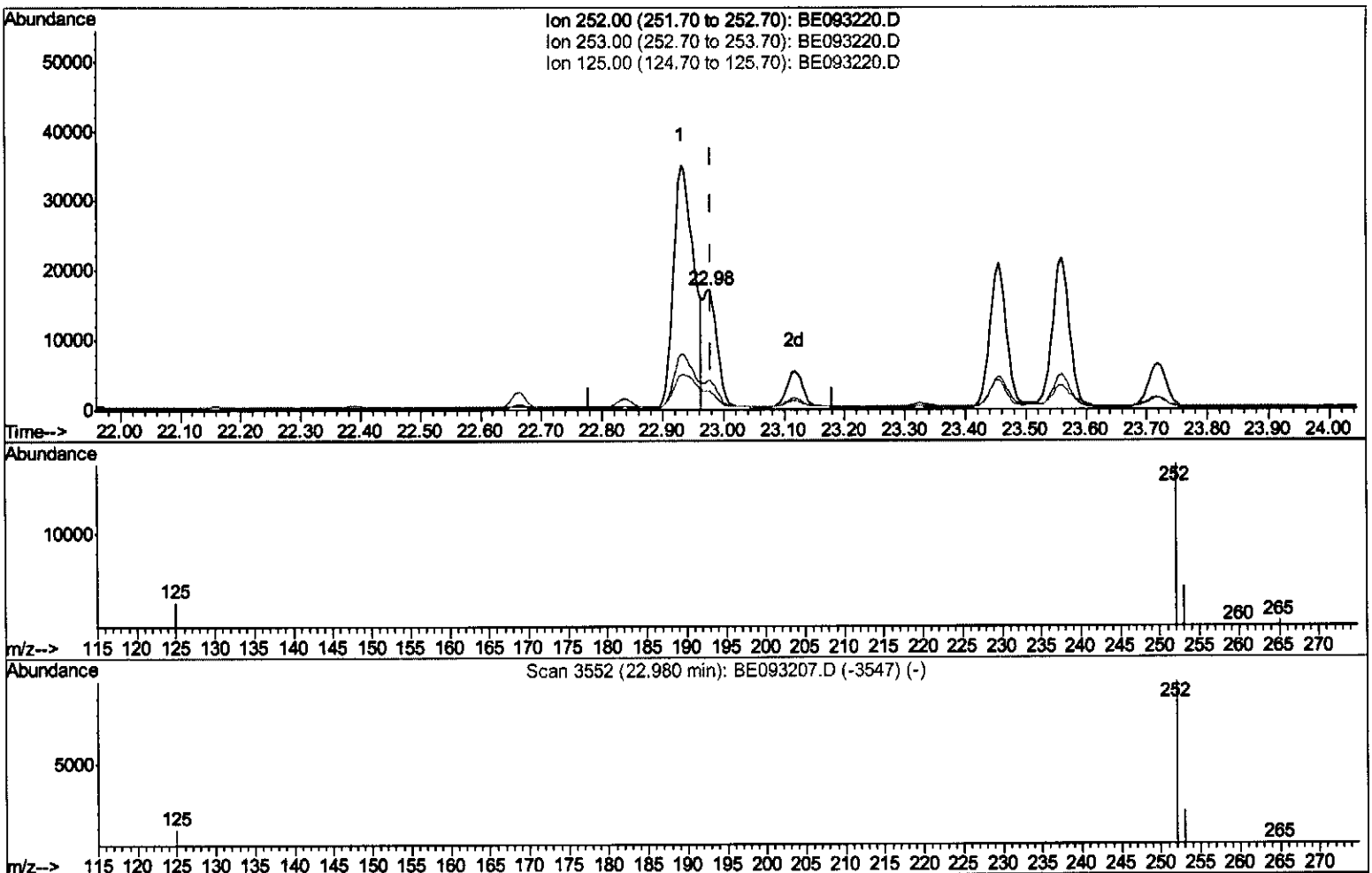
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093220.D
Acq On : 15 Jun 2017 22:22
Operator : SJ/MA
Sample : I3521-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 16 04:45:23 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5D54DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:53 AM



TIC: BE093220.D

(22) Benzo(k)fluoranthene

22.976min (-0.004) 0.45ng/ul m

response 28649

SJ 06/21/17

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.01
125.00	17.10	15.71
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\
Data File : BE093220.D
Acq On : 15 Jun 2017 22:22
Operator : SJ/MA
Sample : I3521-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5D54DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:53 AM

Quant Time: Jun 16 05:27:32 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2687	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13944	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8150	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	19451	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	20546	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	19638	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1486	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	4007	0.08	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.57	128	1650	0.05	ng/ul#	90
5) 2-Methylnaphthalene	12.18	142	463	0.02	ng/ul	97
7) Acenaphthylene	14.09	152	6886	0.20	ng/ul	98
12) Phenanthrene	17.13	178	6535	0.12	ng/ul#	87
13) Anthracene	17.22	178	8571	0.18	ng/ul#	87
15) Fluoranthene	19.16	202	54715	0.83	ng/ul	83
17) Pyrene	19.52	202	74047	1.22	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	38119	0.70	ng/ul#	85
19) Chrysene	21.29	228	42097	0.74	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	82478m	1.38	ng/ul	
22) Benzo(k)fluoranthene	22.98	252	28649m	0.45	ng/ul	
23) Benzo(a)pyrene	23.56	252	42718	0.76	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	29668	0.45	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.20	278	7304	0.13	ng/ul#	85
26) Benzo(g,h,i)perylene	26.96	276	24625	0.44	ng/ul	97

SJ 06/21/17

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