Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

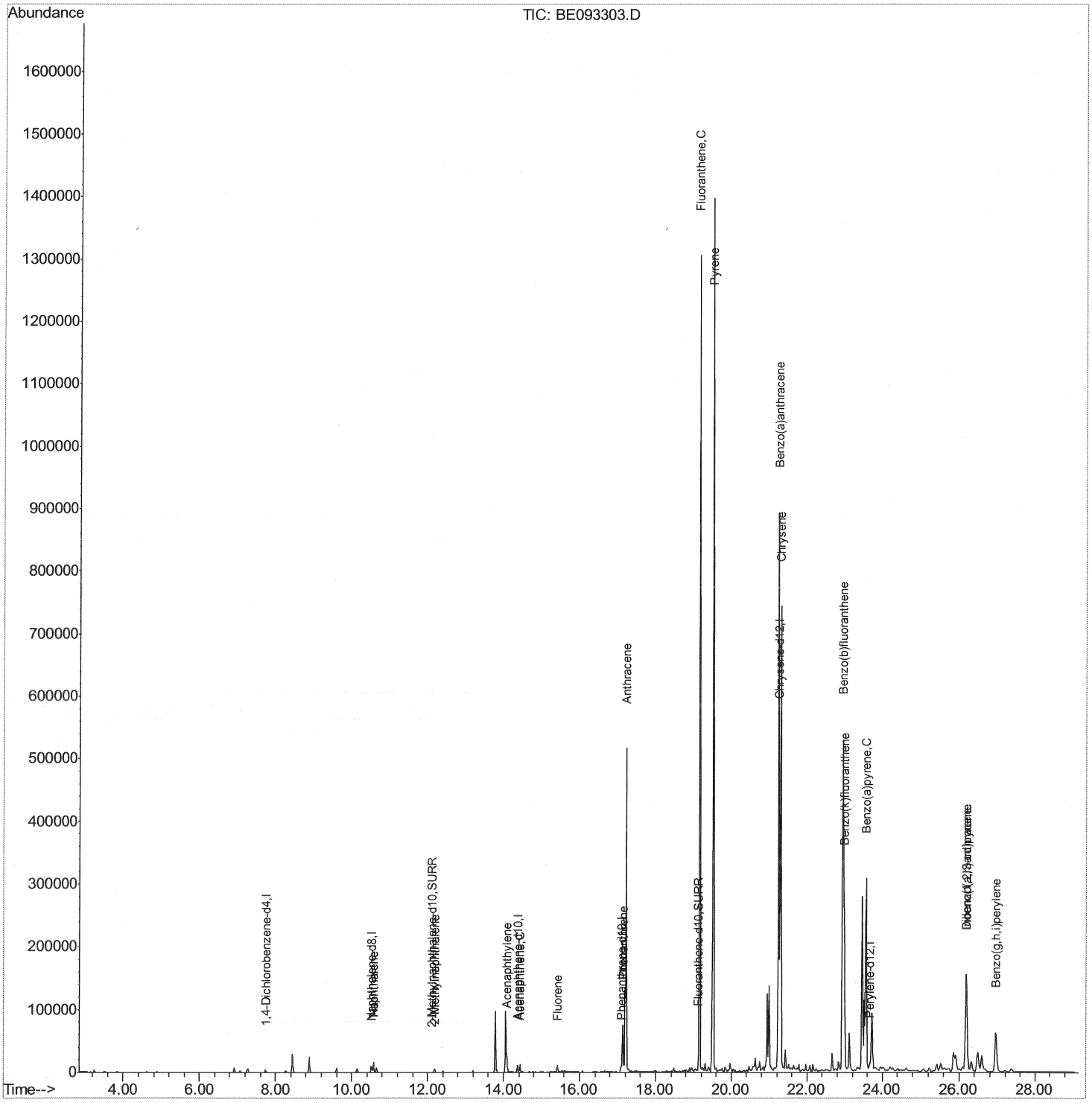
Quantitation Report (QT Reviewed)

Data File : BE093303.D
Acq On : 21 Jun 2017 4:25
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 21 05:09:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A87DL

Manual Integrations APPROVED
mohammad
6/21/2017 12:19:27 PM



Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

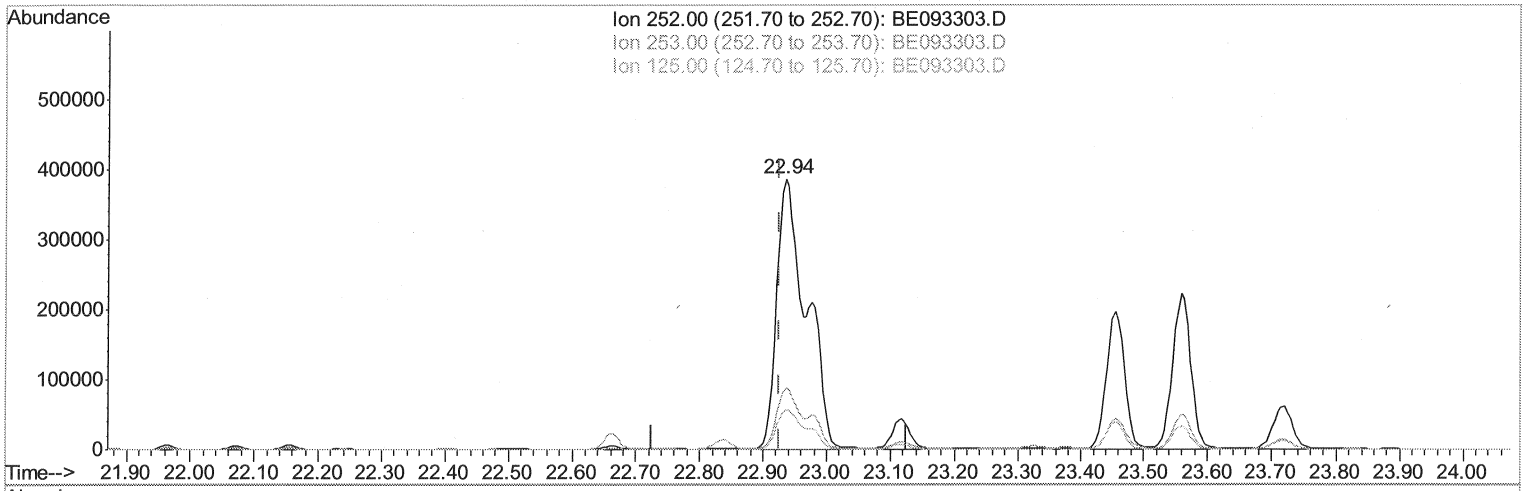
Quantitation Report (Qedit)

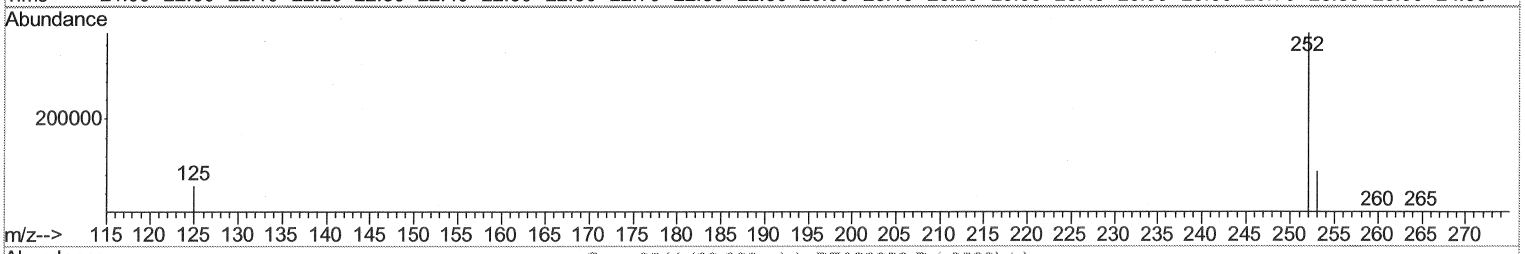
Data File : BE093303.D
Acq On : 21 Jun 2017 4:25
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

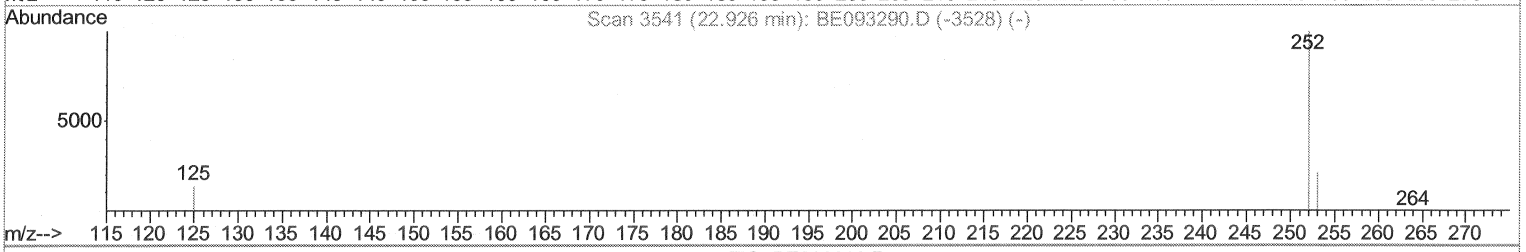
Quant Time: Jun 21 05:06:59 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A87DL

Manual Integrations APPROVED
mohammad
6/21/2017 12:19:27 PM







TIC: BE093303.D

(21) Benzo(b)fluoranthene

22.936min (+0.009) 28.52ng/ul

response 1250870

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.70
125.00	17.50	14.65
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

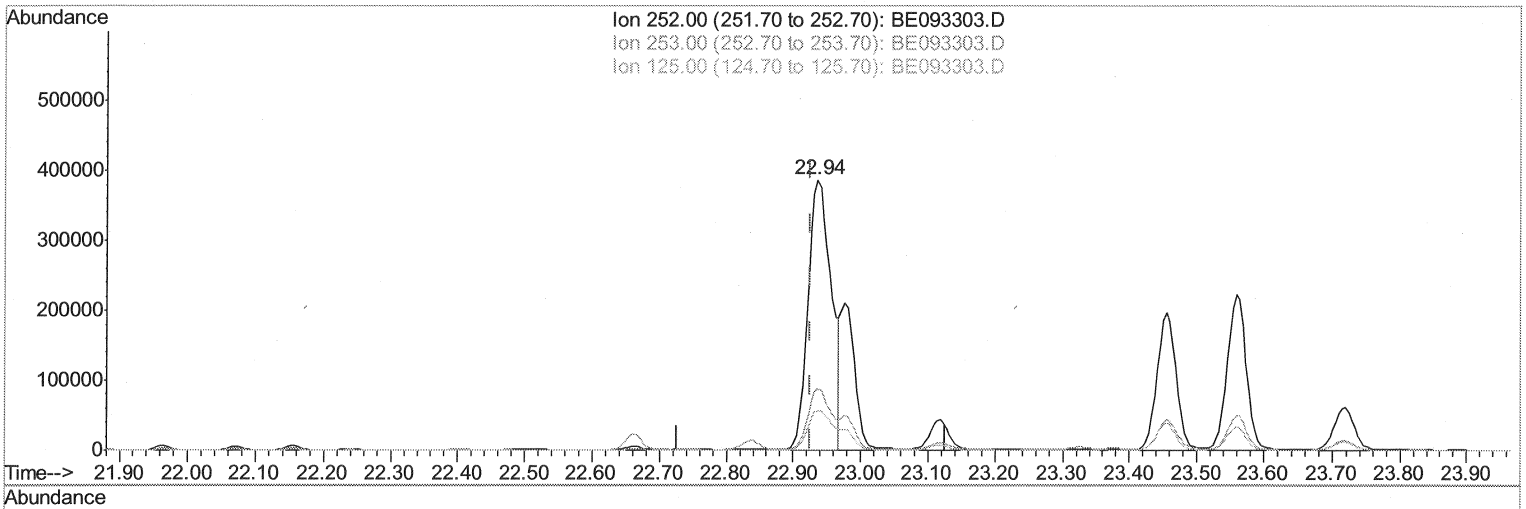
Quantitation Report (Qedit)

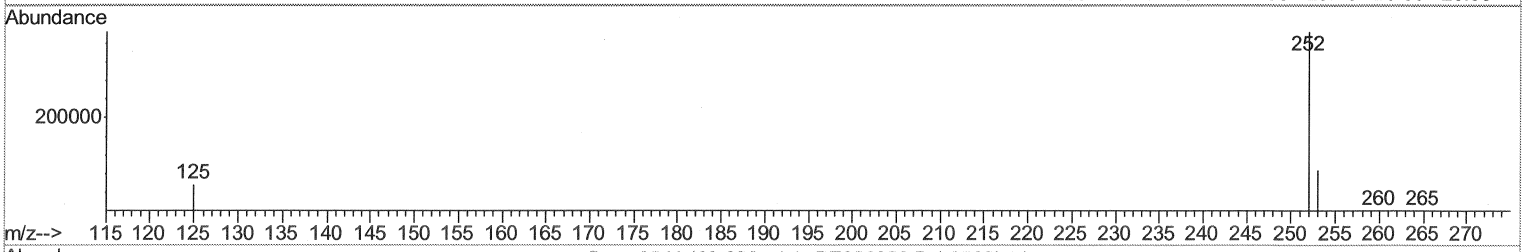
Data File : BE093303.D
Acq On : 21 Jun 2017 4:25
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

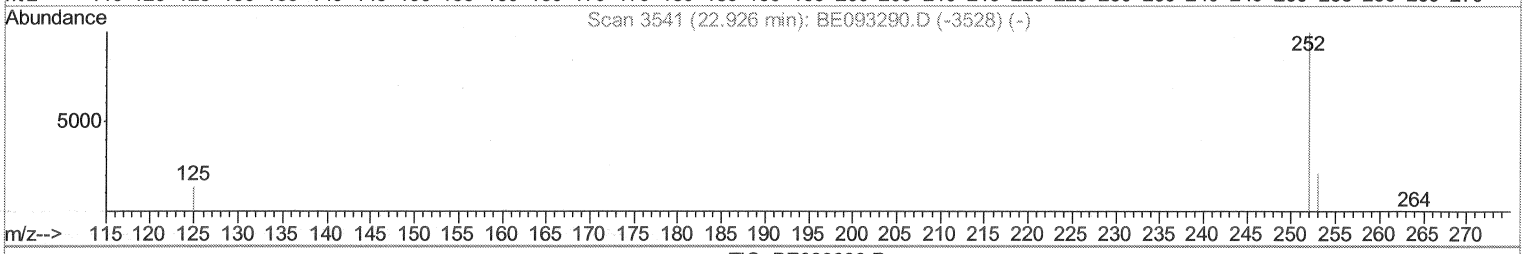
Quant Time: Jun 21 05:06:59 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A87DL

Manual Integrations APPROVED
mohammad
6/21/2017 12:19:27 PM







TIC: BE093303.D

(21) Benzo(b)fluoranthene

22.936min (+0.009) 21.71ng/ul m SJ 6/26/17

response 952127

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.70
125.00	17.50	14.65
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

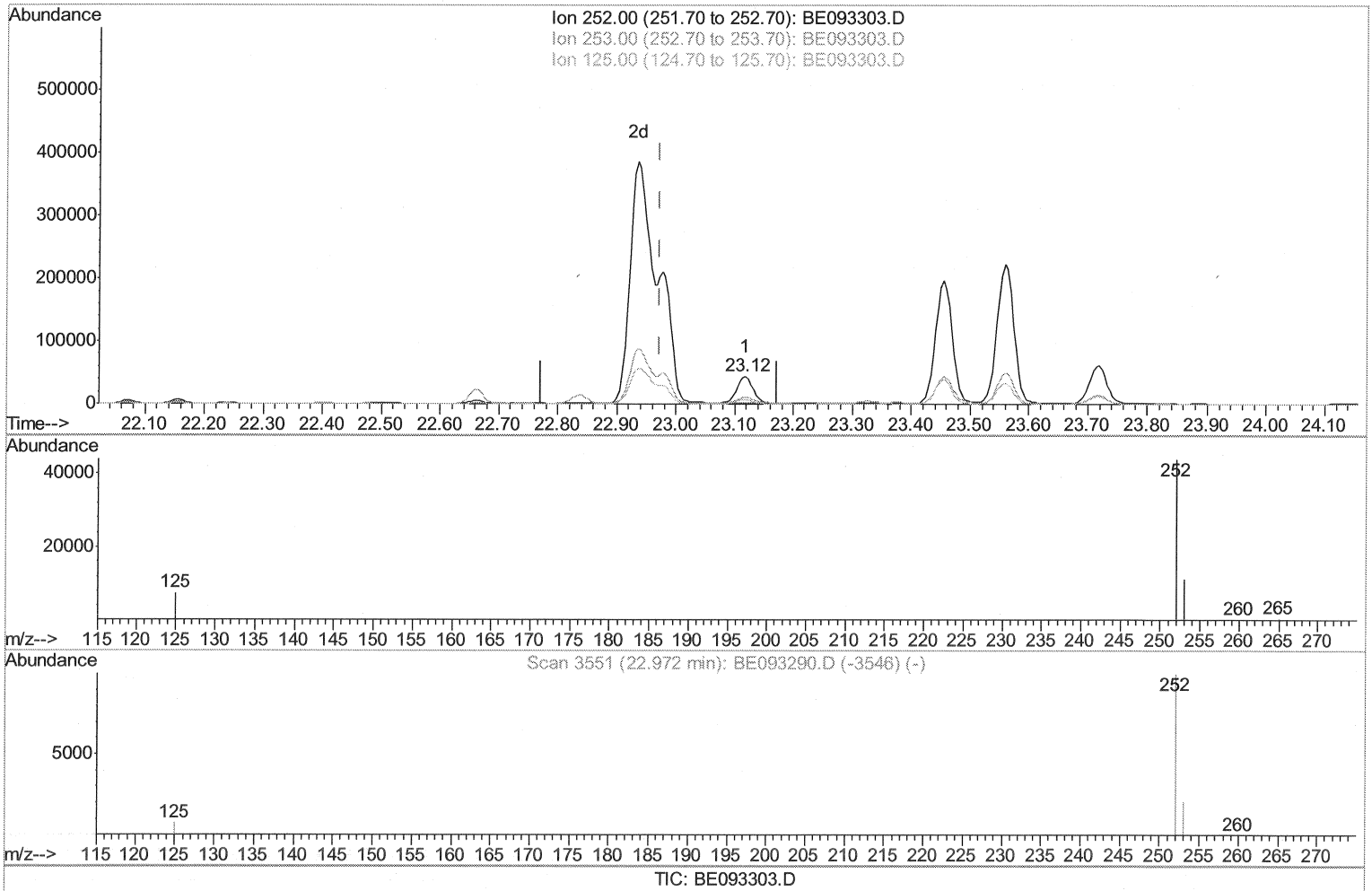
Quantitation Report (Qedit)

Data File : BE093303.D
Acq On : 21 Jun 2017 4:25
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 21 05:06:59 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A87DL

Manual Integrations APPROVED
mohammad
6/21/2017 12:19:27 PM



TIC: BE093303.D

(22) Benzo(k)fluoranthene

23.118min (+0.146) 1.66ng/ul

response 77195

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.84
125.00	17.10	16.79
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

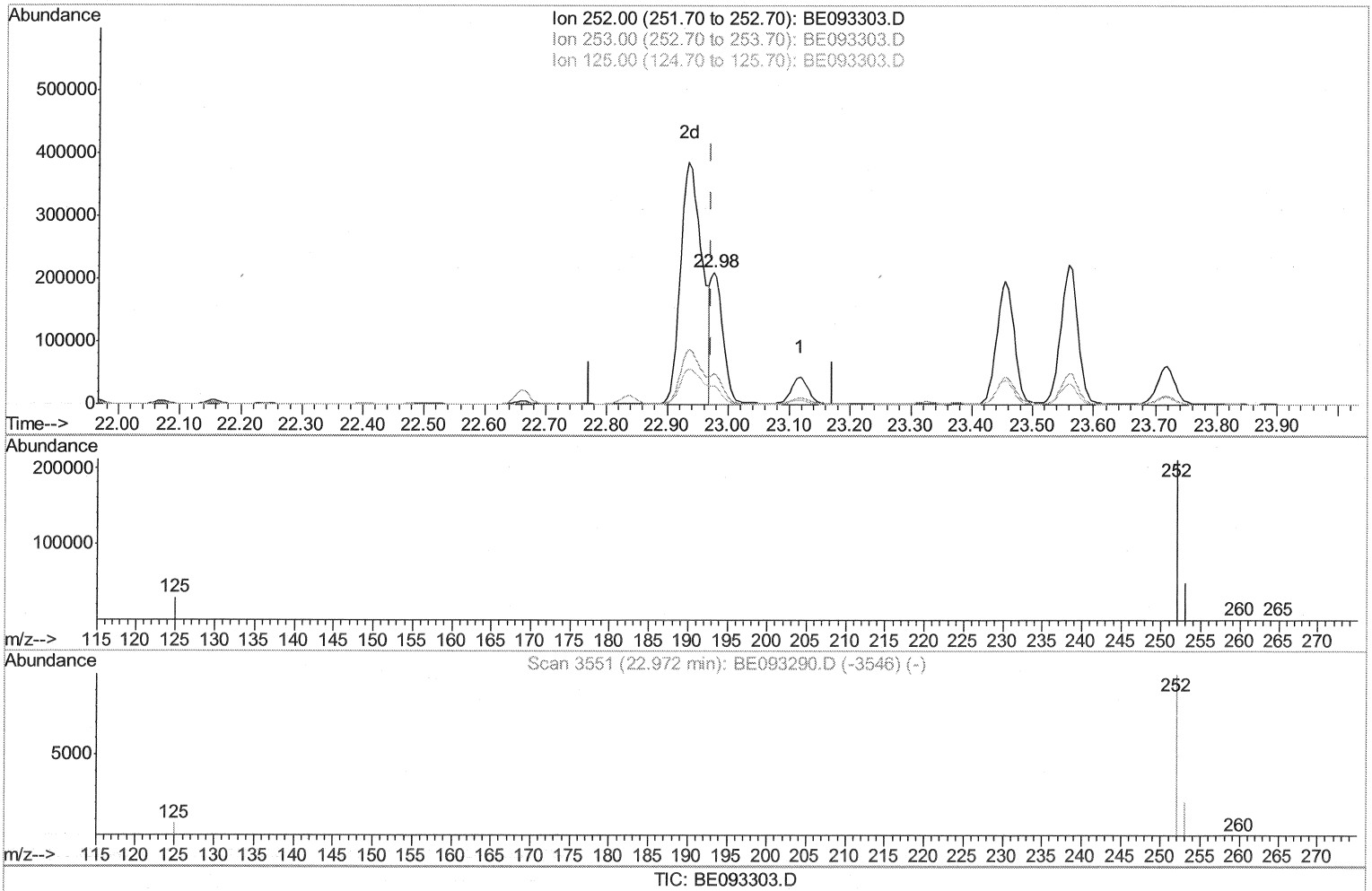
Quantitation Report (Qedit)

Data File : BE093303.D
Acq On : 21 Jun 2017 4:25
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 21 05:06:59 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A87DL

Manual Integrations APPROVED
mohammad
6/21/2017 12:19:27 PM



TIC: BE093303.D

(22) Benzo(k)fluoranthene

22.977min (+0.005) 6.48ng/ul m SJ 6/26/17

response 301880

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.05#
125.00	17.10	14.08
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

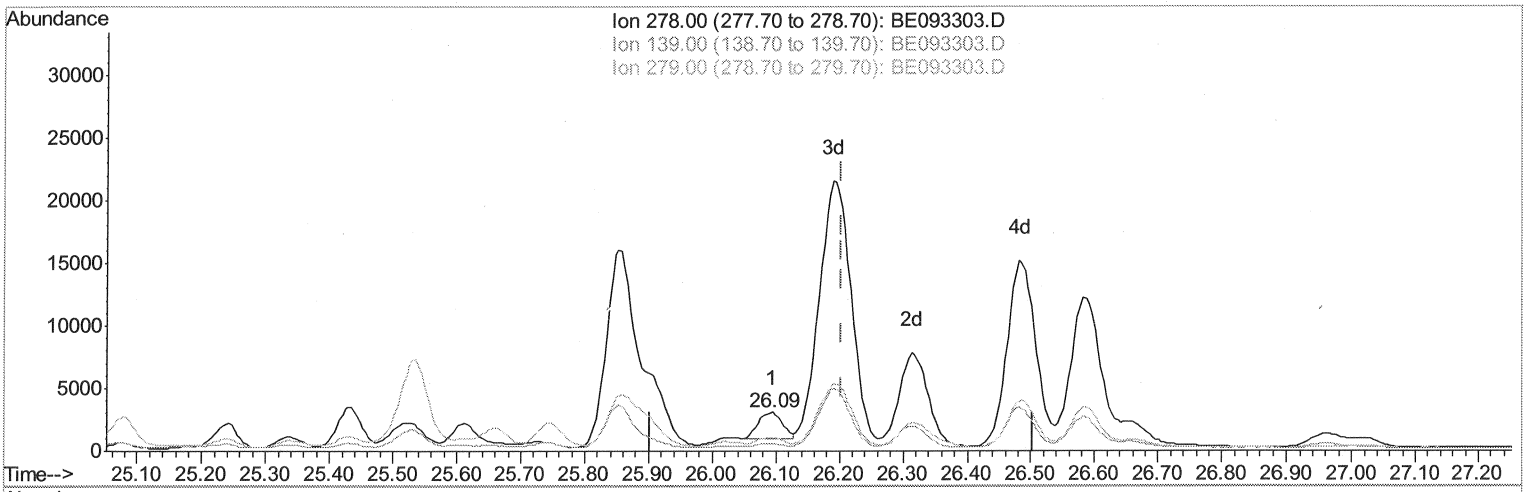
Quantitation Report (Qedit)

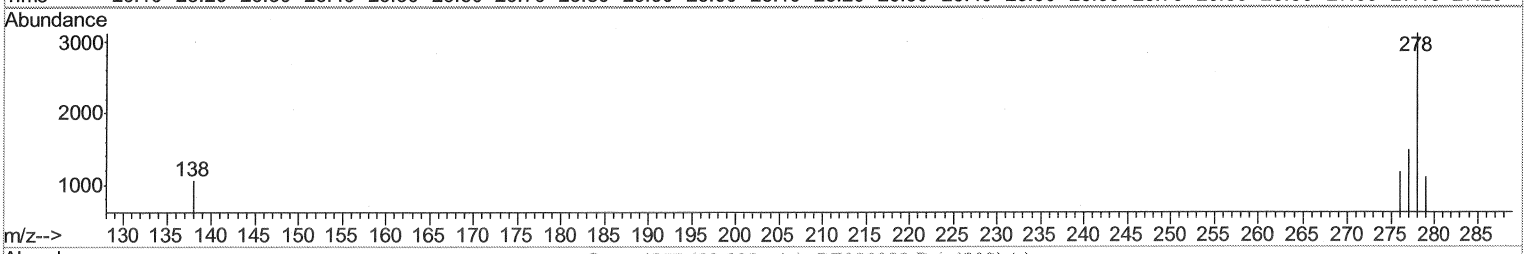
Data File : BE093303.D
Acq On : 21 Jun 2017 4:25
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

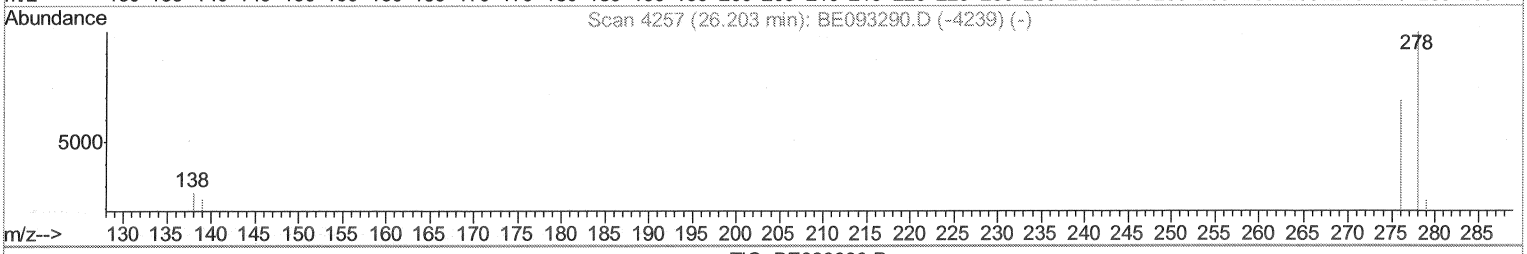
Quant Time: Jun 21 05:06:59 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A87DL

Manual Integrations APPROVED
mohammad
6/21/2017 12:19:27 PM







TIC: BE093303.D

(25) Dibenzo(a,h)anthracene

26.095min (-0.109) 0.13ng/ul

response 5456

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.84
279.00	32.40	35.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

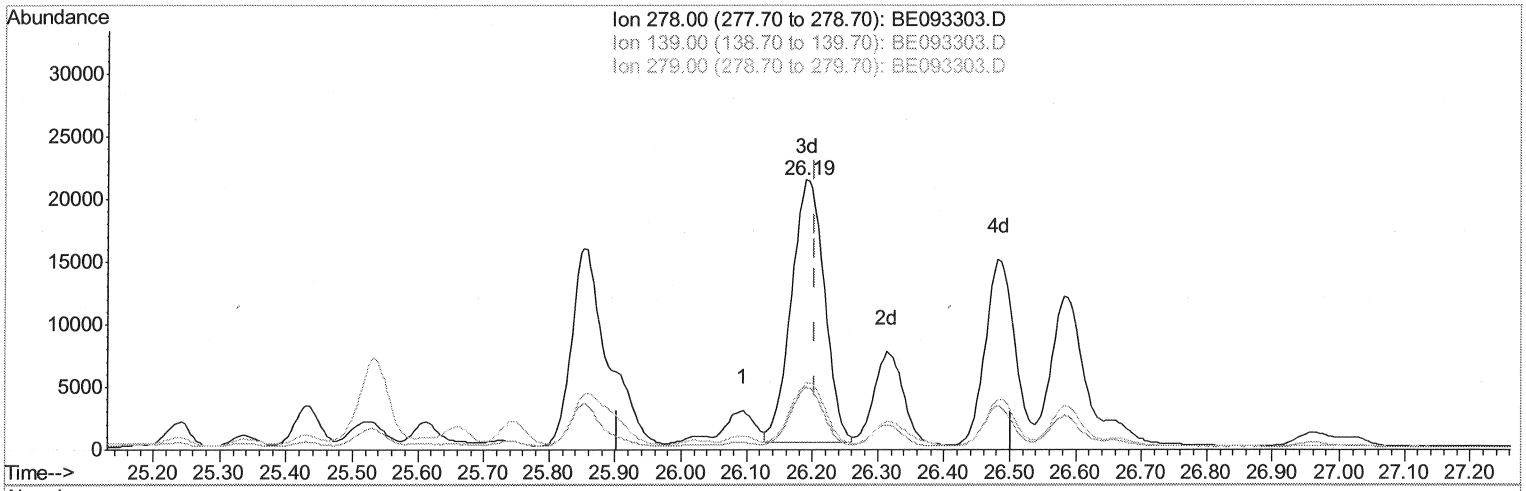
Quantitation Report (Qedit)

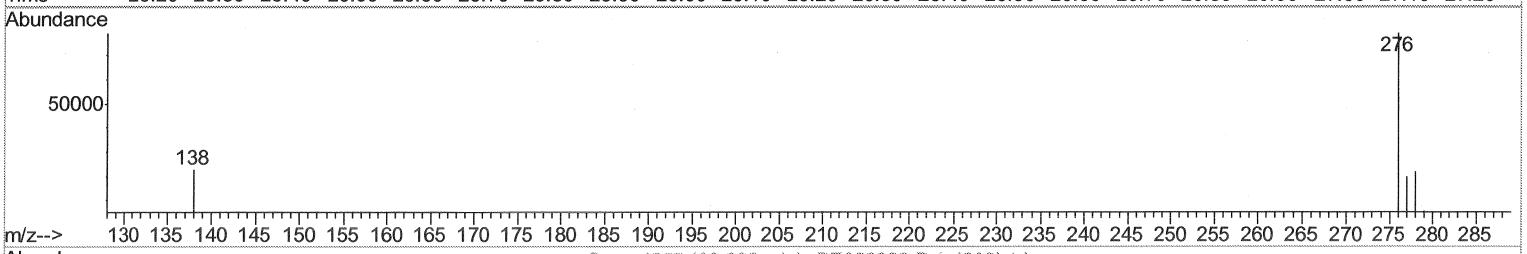
Data File : BE093303.D
Acq On : 21 Jun 2017 4:25
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

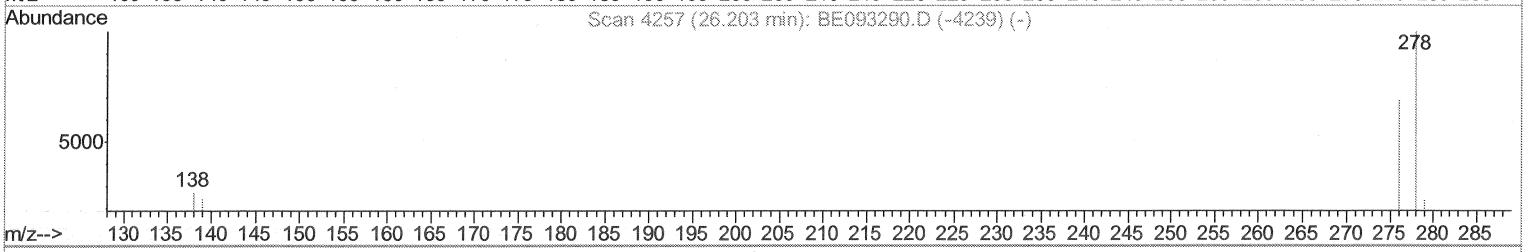
Quant Time: Jun 21 05:06:59 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A87DL

Manual Integrations APPROVED
mohammad
6/21/2017 12:19:27 PM







TIC: BE093303.D

(25) Dibenzo(a,h)anthracene

26.190min (-0.013) 1.81ng/ul m SJ 6/26/17

response 73082

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	22.98
279.00	32.40	24.91#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\

Quantitation Report (QT Reviewed)

Data File : BE093303.D
Acq On : 21 Jun 2017 4:25
Operator : SJ/JU
Sample : I3599-06DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 21 05:09:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : F5A87DL

Manual Integrations APPROVED
mohammad
6/21/2017 12:19:27 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	2023	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	10658	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6299	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	15649	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	16586	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	14450	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	743	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	2087	0.05	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.56	128	24018	0.91	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	4945	0.27	ng/ul	99
7) Acenaphthylene	14.09	152	35718	1.32	ng/ul	96
8) Acenaphthene	14.42	153	7159	0.33	ng/ul	96
9) Fluorene	15.42	166	7317	0.29	ng/ul	96
12) Phenanthrene	17.14	178	77954	1.81	ng/ul#	90
13) Anthracene	17.22	178	590647	15.76	ng/ul#	88
15) Fluoranthene	19.16	202	1419499	26.88	ng/ul	83
17) Pyrene	19.52	202	1446524	29.57	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	748096	16.91	ng/ul#	84
19) Chrysene	21.30	228	828744	18.06	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	952127m	21.71	ng/ul	
22) Benzo(k)fluoranthene	22.98	252	301880m	6.48	ng/ul	
23) Benzo(a)pyrene	23.56	252	436919	10.54	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.19	276	241304	5.03	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.19	278	73082m	1.81	ng/ul	
26) Benzo(g,h,i)perylene	26.96	276	135491	3.29	ng/ul	96

SJ 6/26/17

SJ 6/26/17

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