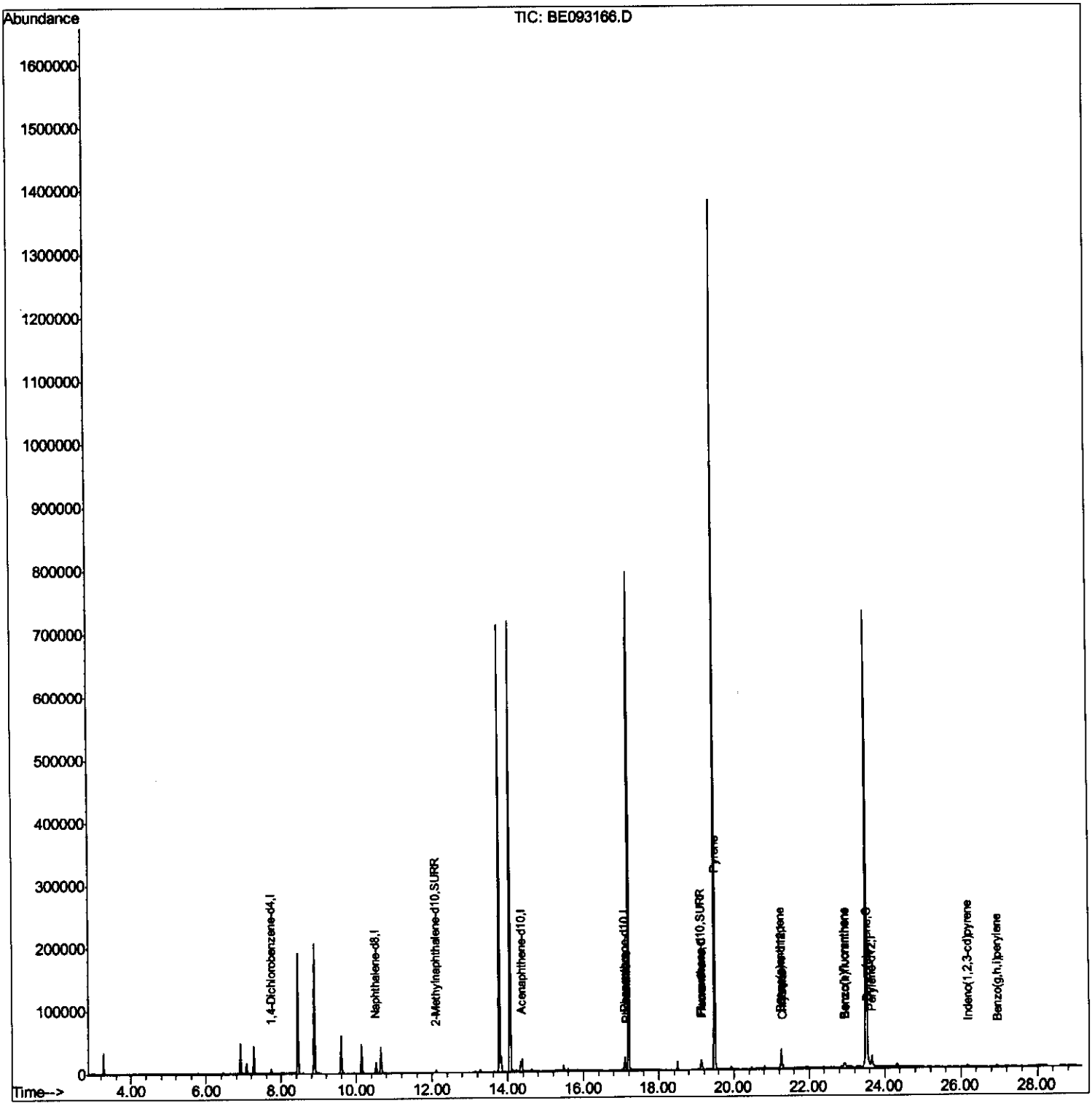
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093166.D
Acq On : 14 Jun 2017 12:57
Operator : SJ/MA
Sample : I3520-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 15 10:28:14 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM

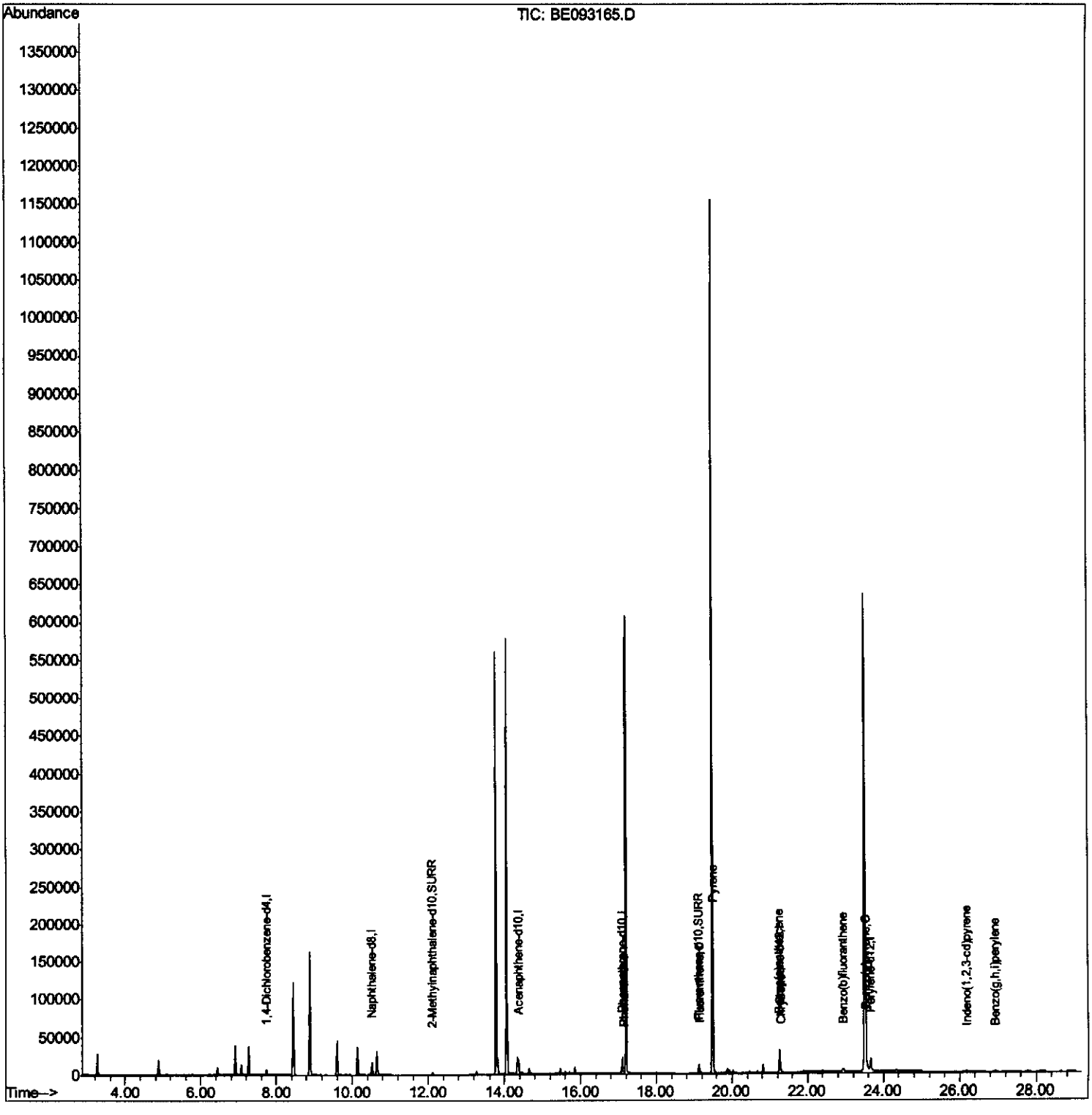


Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093165.D
Acq On : 14 Jun 2017 12:18
Operator : SJ/MA
Sample : I3520-09
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 15 10:30:23 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM



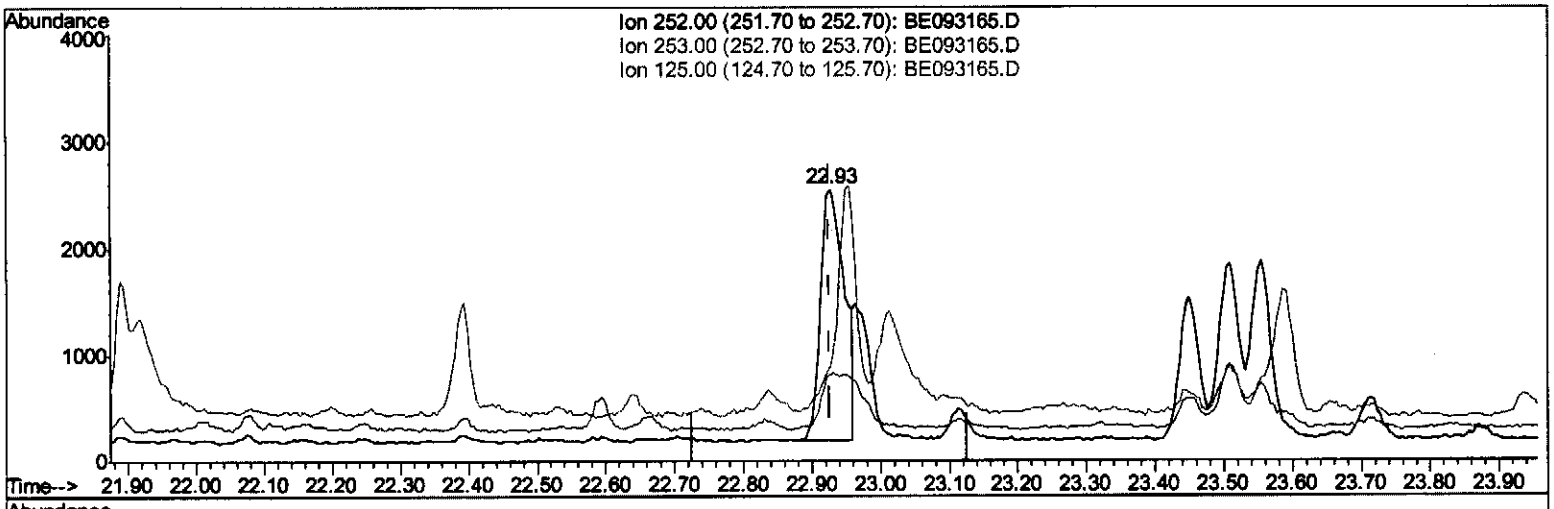
Quantitation Report (Qedit)

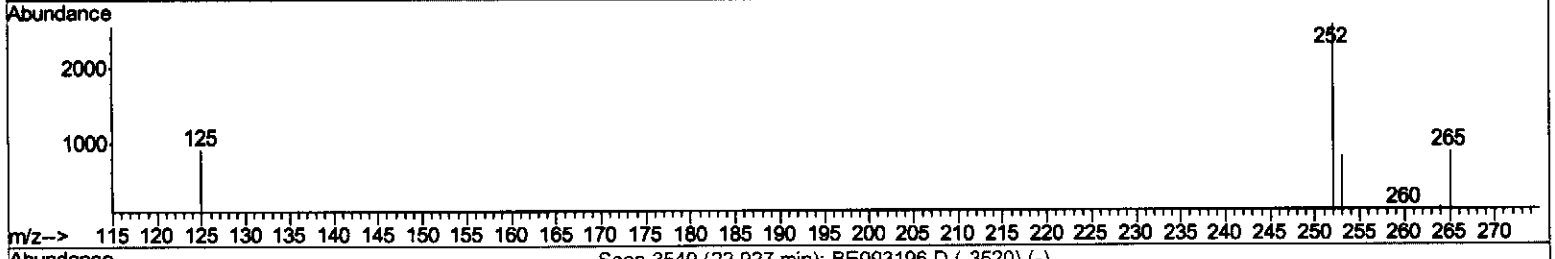
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093165.D
Acq On : 14 Jun 2017 12:18
Operator : SJ/MA
Sample : I3520-09
Misc :
ALS Vial : 3 Sample Multiplier: 1

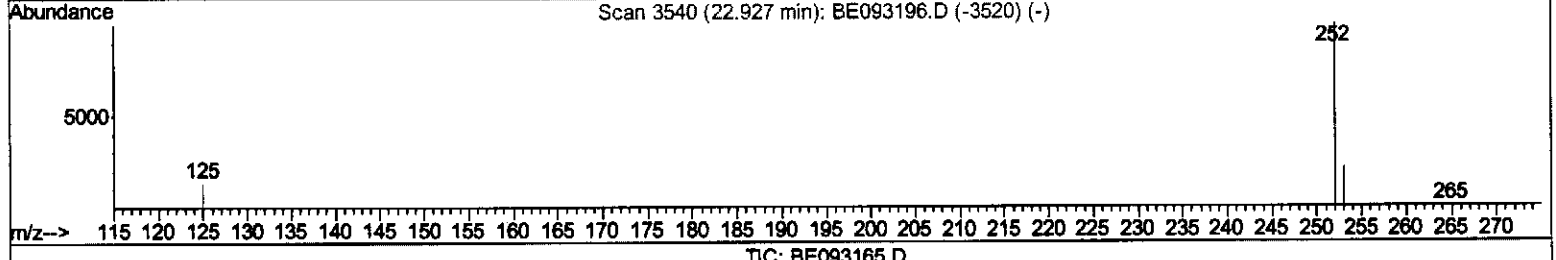
Quant Time: Jun 15 10:29:03 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM







TIC: BE093165.D

(21) Benzo(b)fluoranthene

22.927min (0.000) 0.07ng/ul m

SJ 06/21/17

response 5776

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	31.78
125.00	17.50	35.34#
0.00	0.00	0.00

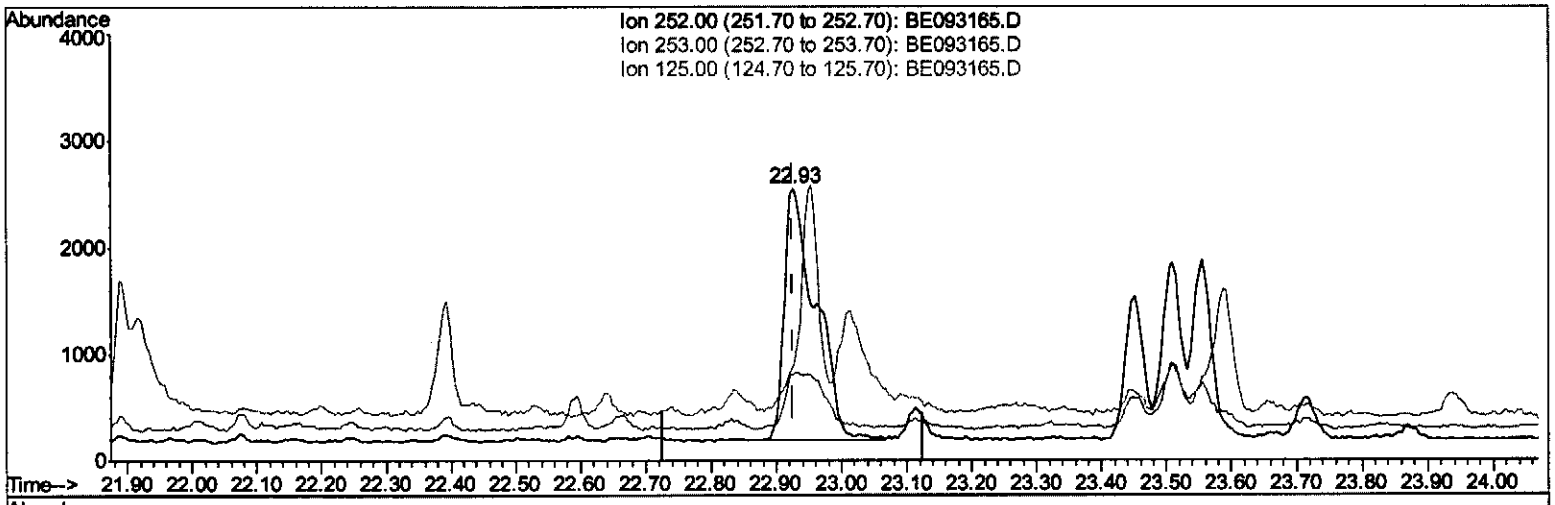
Quantitation Report (Qedit)

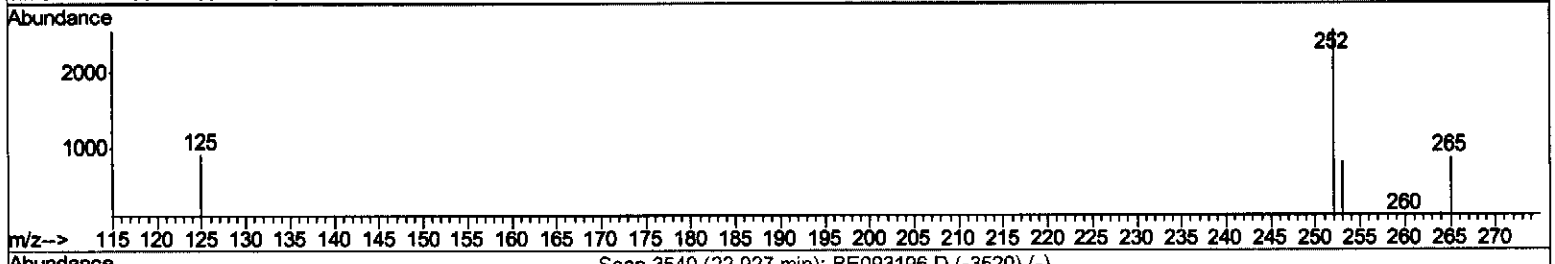
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093165.D
Acq On : 14 Jun 2017 12:18
Operator : SJ/MA
Sample : I3520-09
Misc :
ALS Vial : 3 Sample Multiplier: 1

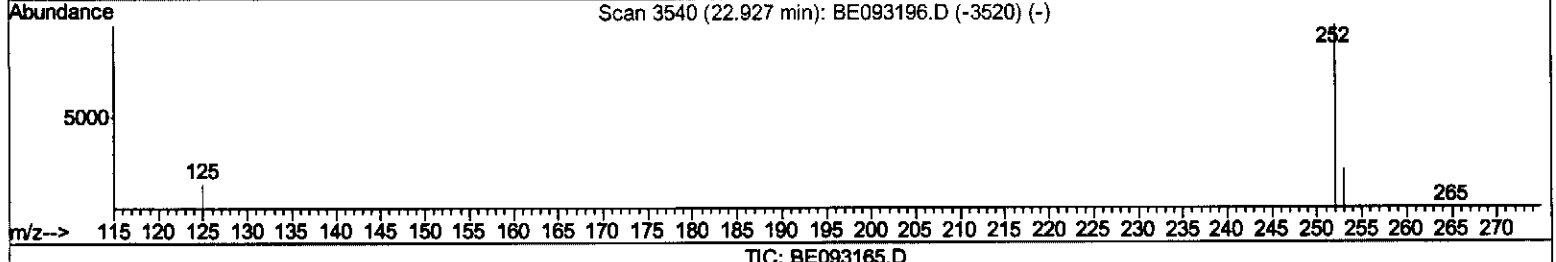
Quant Time: Jun 15 10:29:03 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM







TIC: BE093165.D

(21) Benzo(b)fluoranthene

22.927min (0.000) 0.09ng/ul

response 7895

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	31.78
125.00	17.50	35.34#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093165.D
Acq On : 14 Jun 2017 12:18
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Instrument : BNA_E
ClientSampleId : F5A37

Manual Integrations APPROVED
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6/15/2017 3:52:53 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3536	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	17246	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10804	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	24778	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	26368	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	27732	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4483	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	12153	0.18	ng/ul	0.00
Target Compounds						Qvalue
12) Phenanthrene	17.14	178	3330	0.049	ng/ul#	91
15) Fluoranthene	19.15	202	7443	0.089	ng/ul	84
17) Pyrene	19.51	202	8740	0.112	ng/ul	93
18) Benzo(a)anthracene	21.24	228	3137	0.045	ng/ul#	86
19) Chrysene	21.30	228	4642	0.064	ng/ul	94
21) Benzo(b)fluoranthene	22.93	252	5776m	0.069	ng/ul	
23) Benzo(a)pyrene	23.56	252	3334	0.042	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	2703	0.029	ng/ul#	47
26) Benzo(g,h,i)perylene	26.94	276	2731	0.035	ng/ul#	80

SJ 06/21/17

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

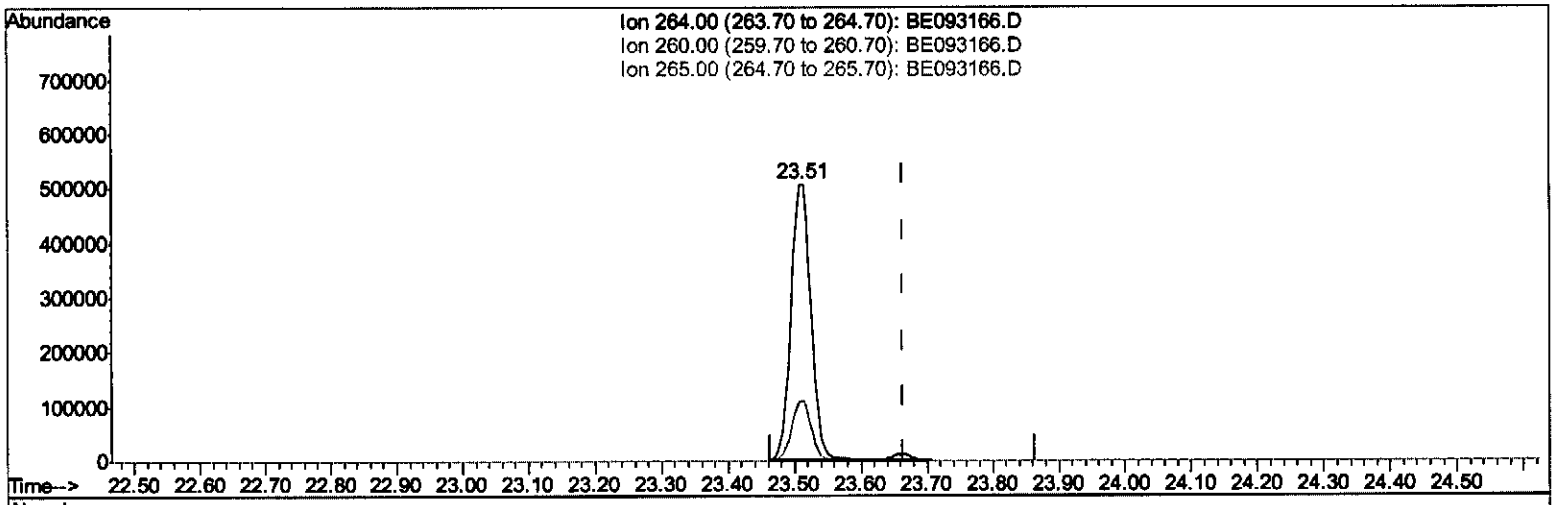
Quantitation Report (Qedit)

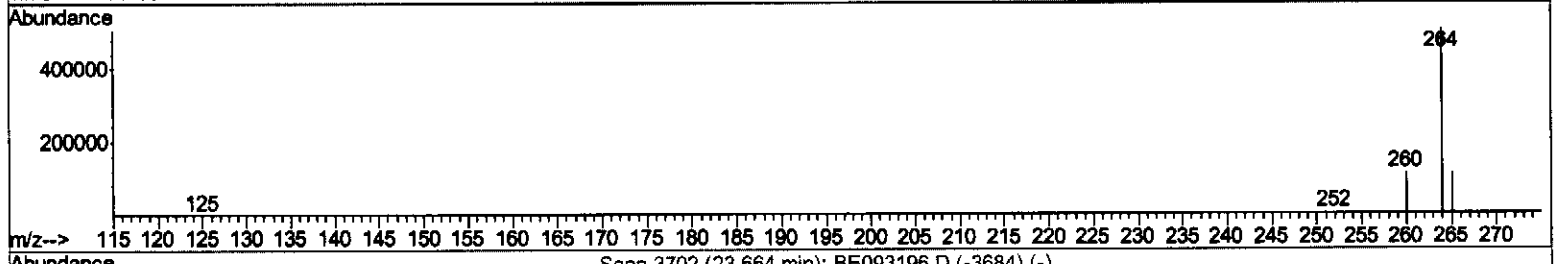
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093166.D
Acq On : 14 Jun 2017 12:57
Operator : SJ/MA
Sample : I3520-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

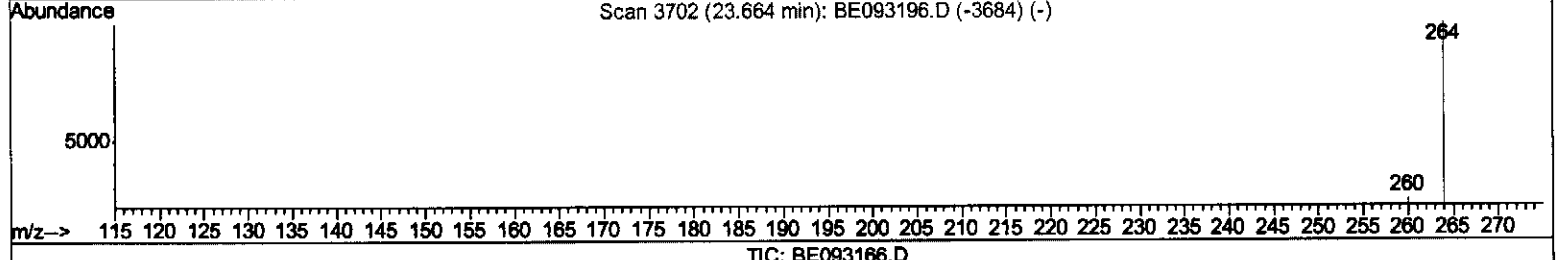
Quant Time: Jun 15 10:25:19 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM







TIC: BE093166.D

(20) Perylene-d12 (I)

23.509min (-0.156) 0.40ng/ul

response 1052945

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.90#
265.00	103.50	21.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093166.D
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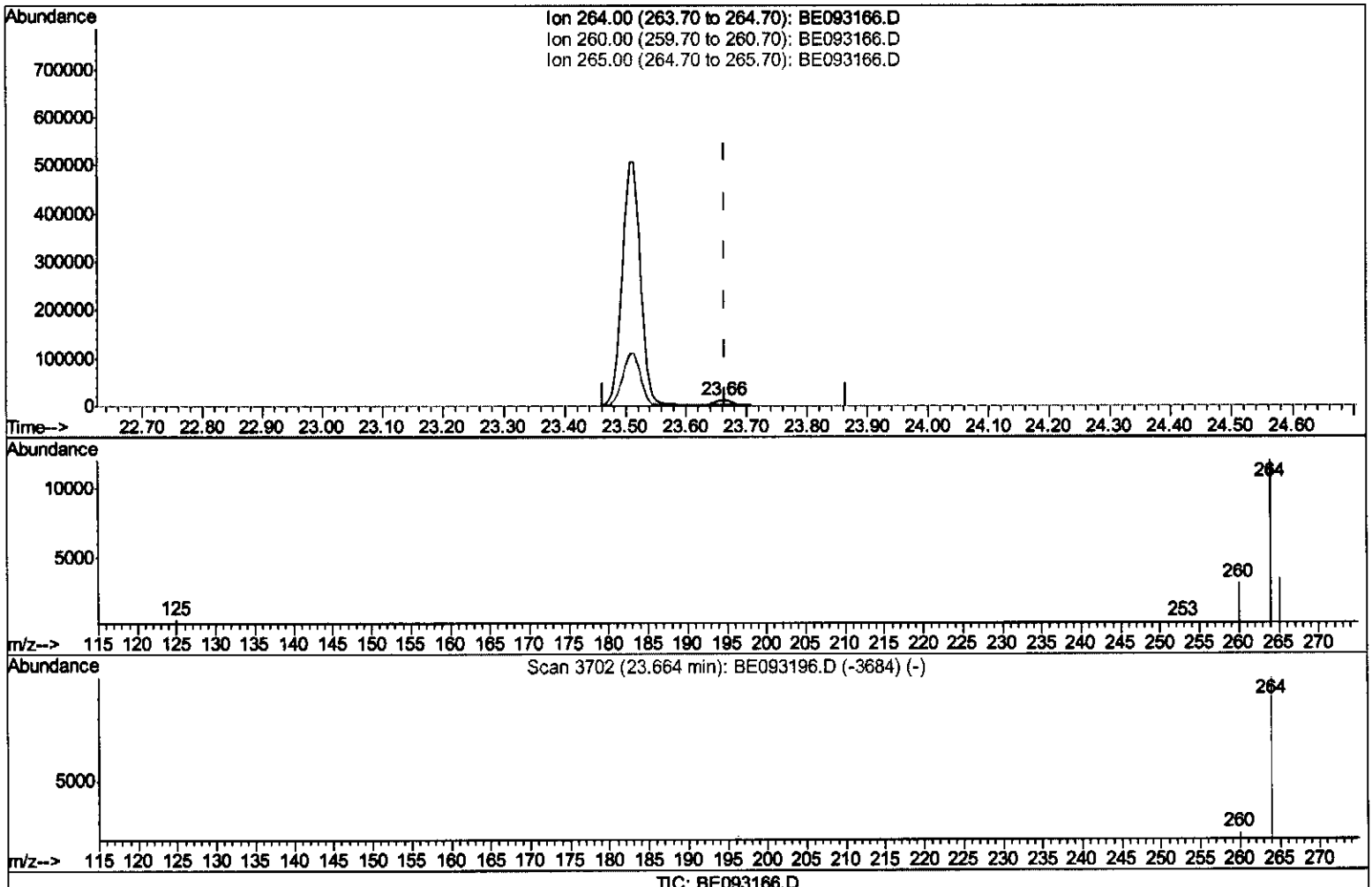
Operator : SJ/MA
Sample : I3520-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 15 10:25:19 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM



TIC: BE093166.D

(20) Perylene-d12 (I)

23.659min (-0.005) 0.40ng/ul m SJ 06/21/17

response 20517

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	25.85
265.00	103.50	28.39#
0.00	0.00	0.00

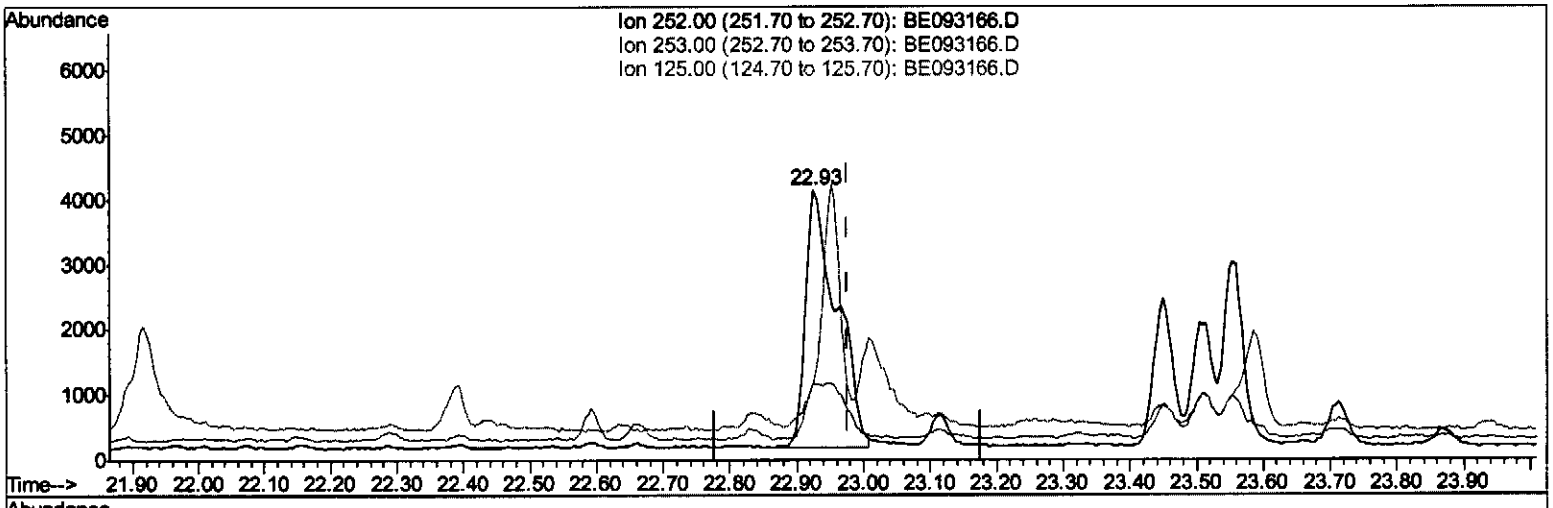
Quantitation Report (Qedit)

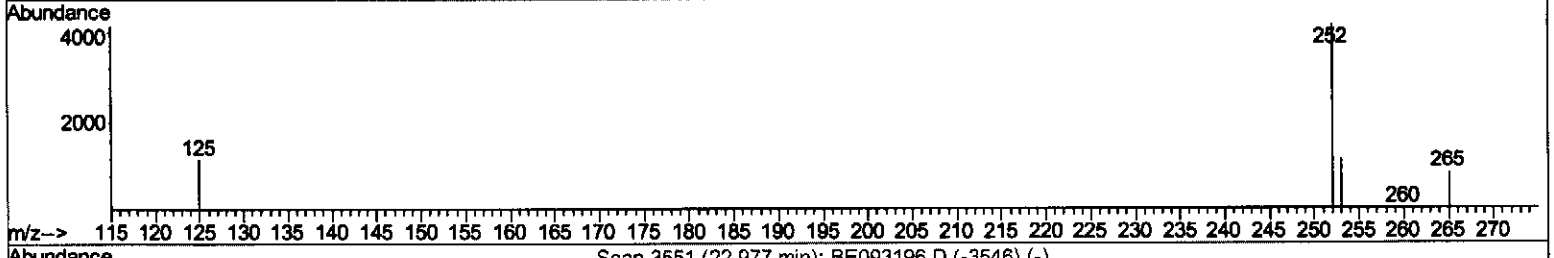
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093166.D
Acq On : 14 Jun 2017 12:57
Operator : SJ/MA
Sample : I3520-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

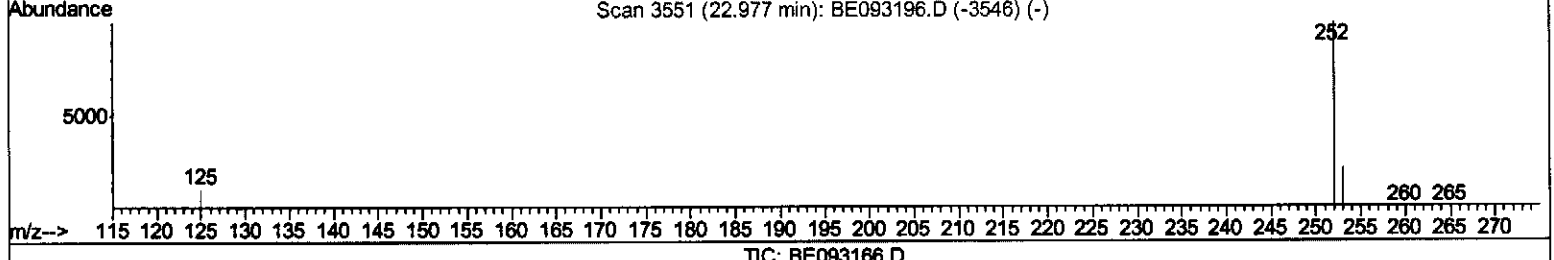
Quant Time: Jun 15 10:26:49 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM







TIC: BE093166.D

(22) Benzo(k)fluoranthene

22.926min (-0.051) 0.19ng/ul

response 12806

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.53
125.00	17.10	28.82#
0.00	0.00	0.00

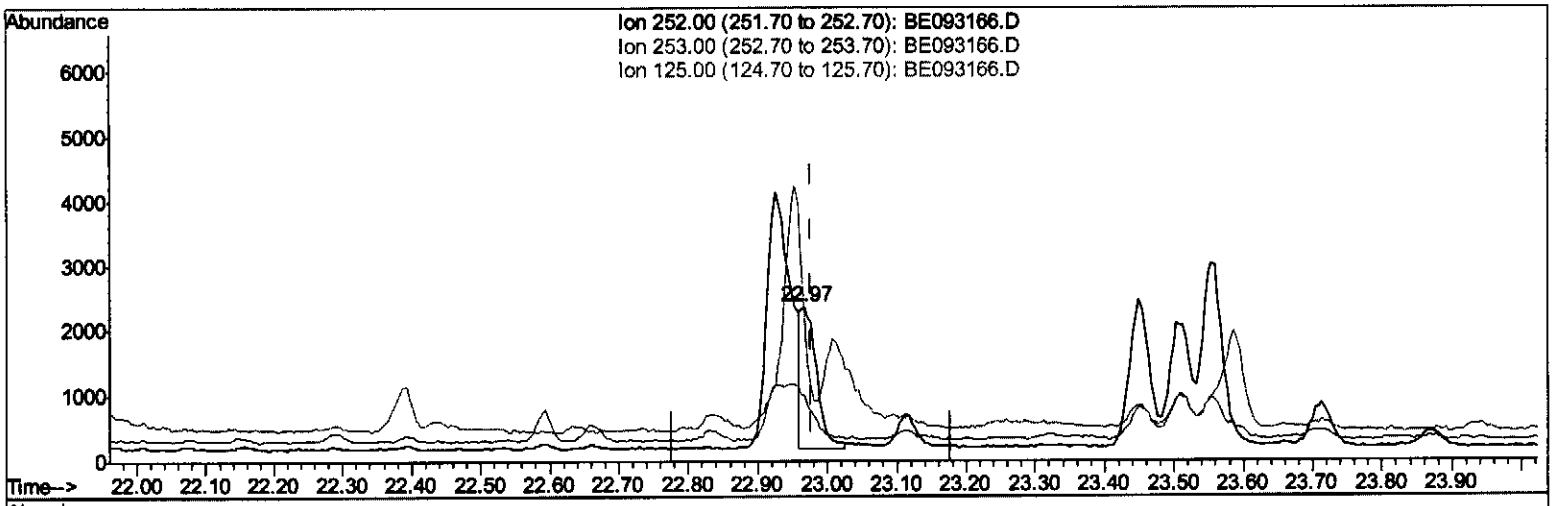
Quantitation Report (Qedit)

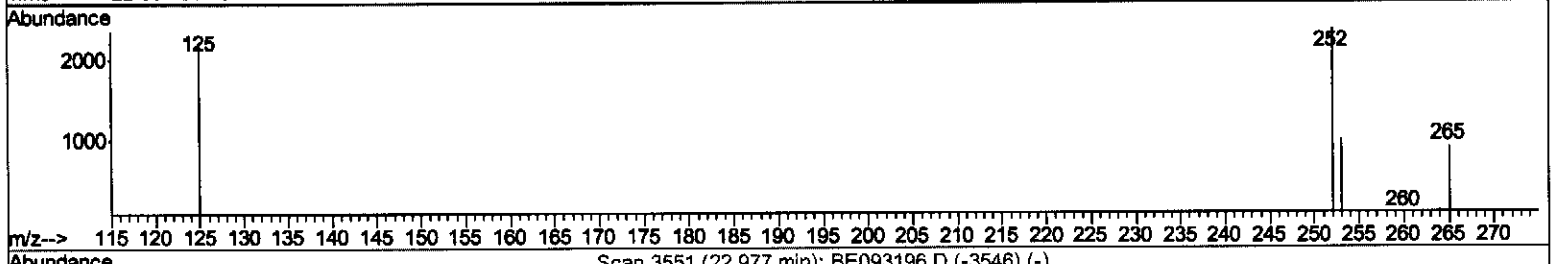
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093166.D
Acq On : 14 Jun 2017 12:57
Operator : SJ/MA
Sample : I3520-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

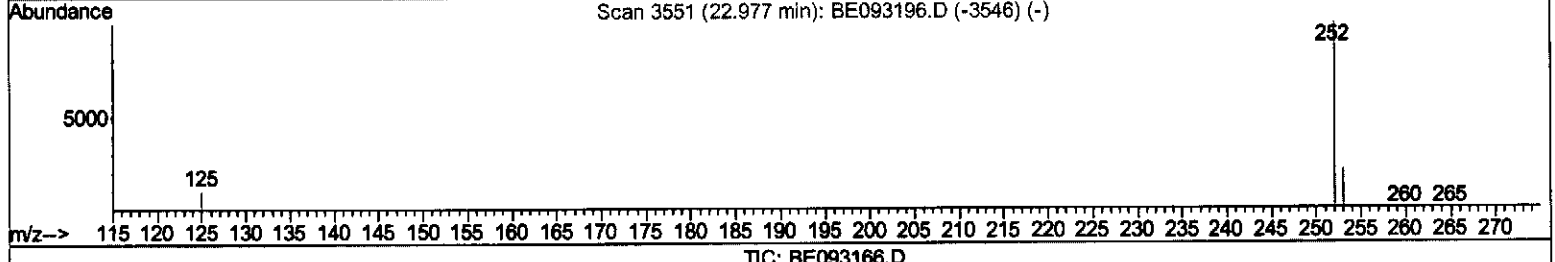
Quant Time: Jun 15 10:26:49 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM







TIC: BE093166.D

(22) Benzo(k)fluoranthene

22.967min (-0.010) 0.05ng/ul m

response 3551

SJ 06/21/17

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	42.21#
125.00	17.10	93.86#
0.00	0.00	0.00

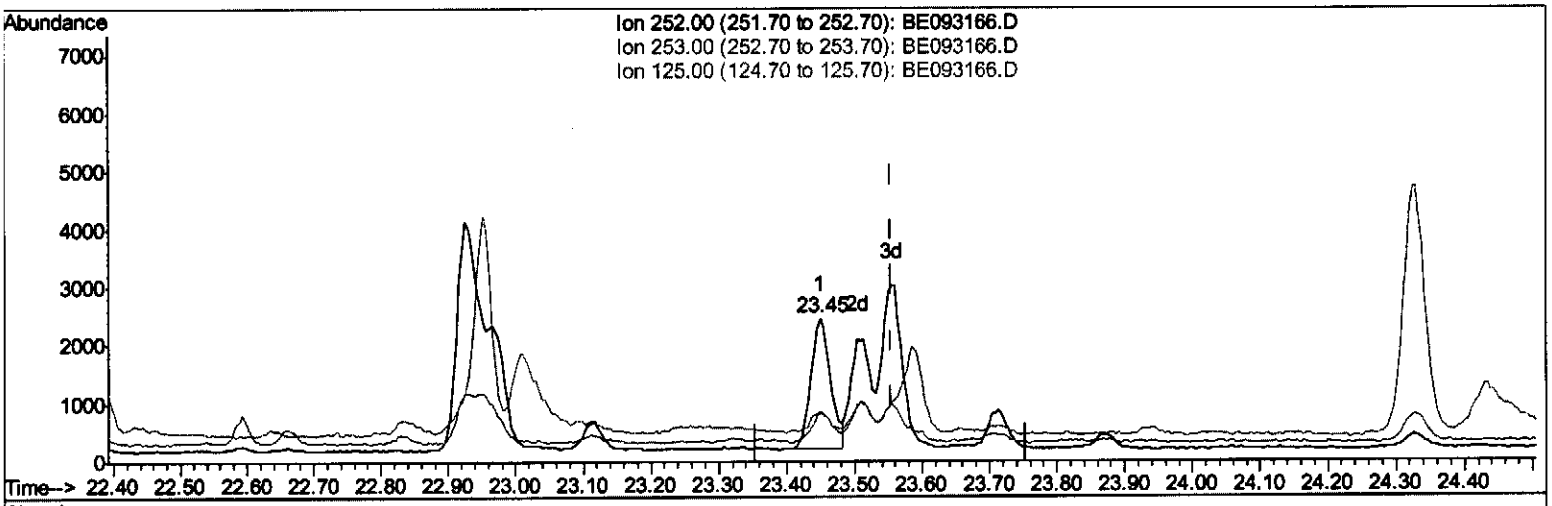
Quantitation Report (Qedit)

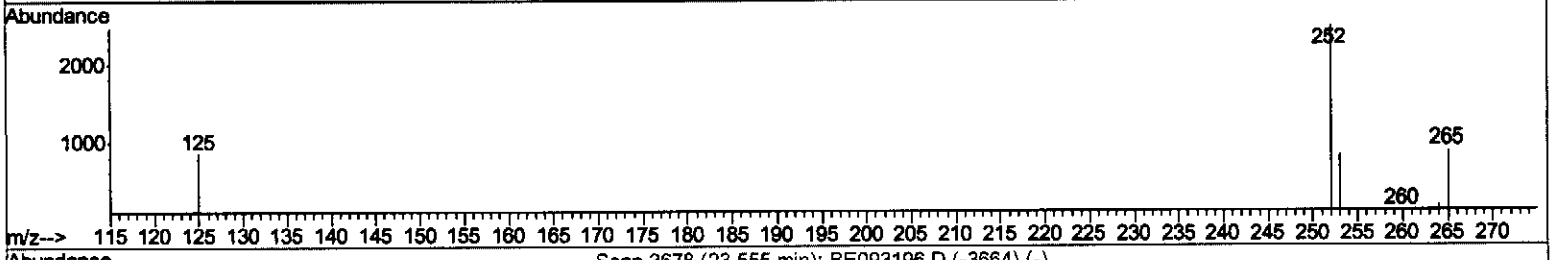
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093166.D
Acq On : 14 Jun 2017 12:57
Operator : SJ/MA
Sample : I3520-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

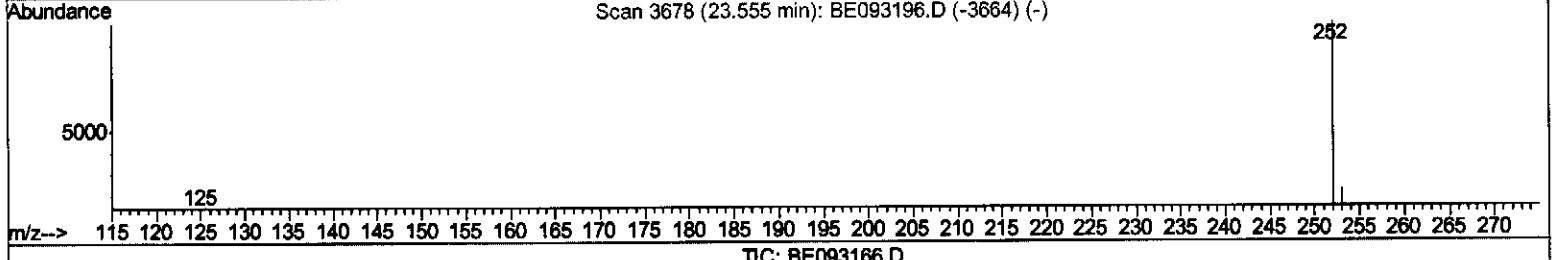
Quant Time: Jun 15 10:26:49 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM







TIC: BE093166.D

(23) Benzo(a)pyrene (C)

23.449min (-0.106) 0.08ng/ul

response 4583

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	33.77
125.00	22.60	34.58#
0.00	0.00	0.00

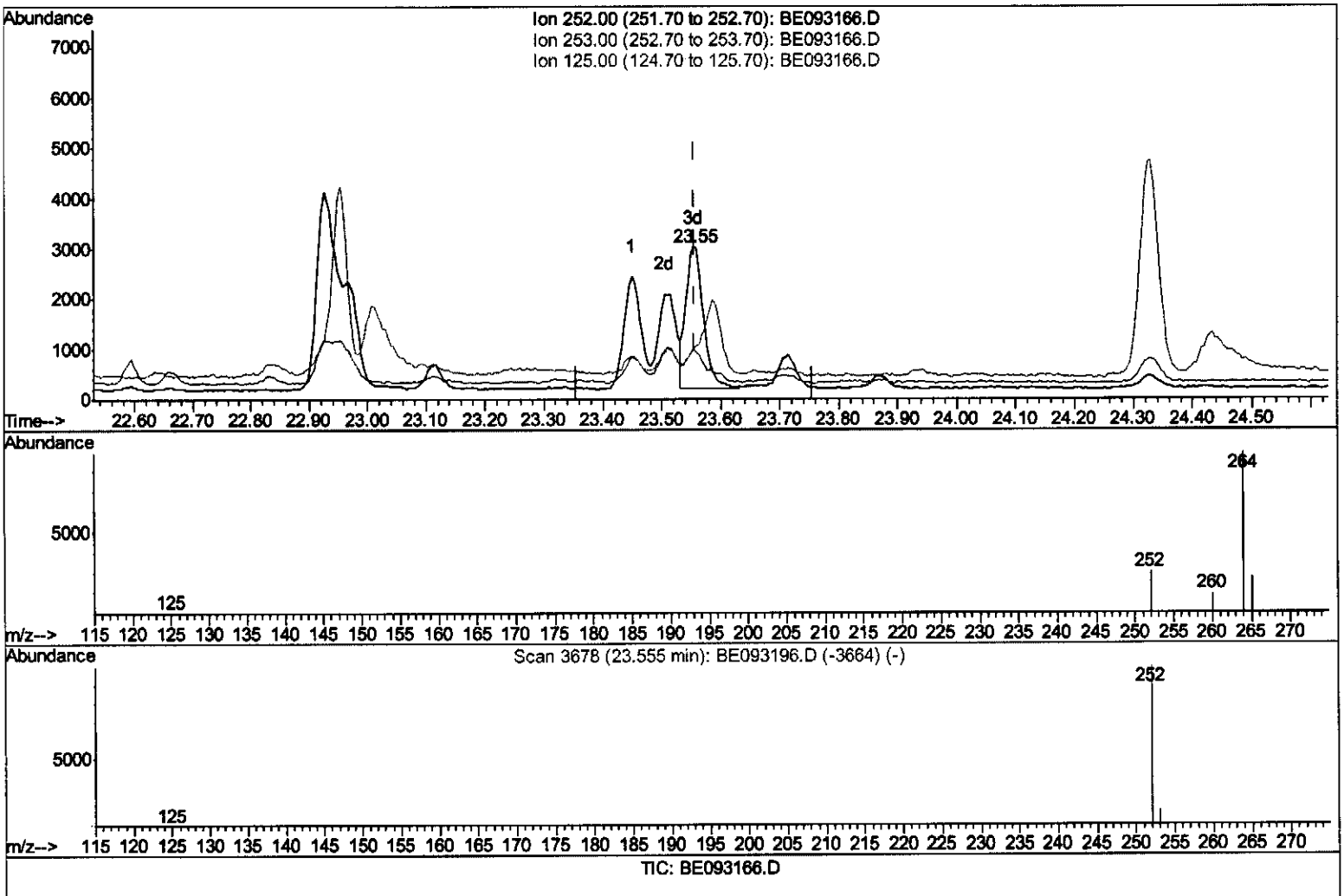
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093166.D
Acq On : 14 Jun 2017 12:57
Operator : SJ/MA
Sample : I3520-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 15 10:26:49 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM



TIC: BE093166.D

(23) Benzo(a)pyrene (C)

23.554min (-0.001) 0.10ng/ul m > SJ 06/21/17

response 5671

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	32.66
125.00	22.60	32.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
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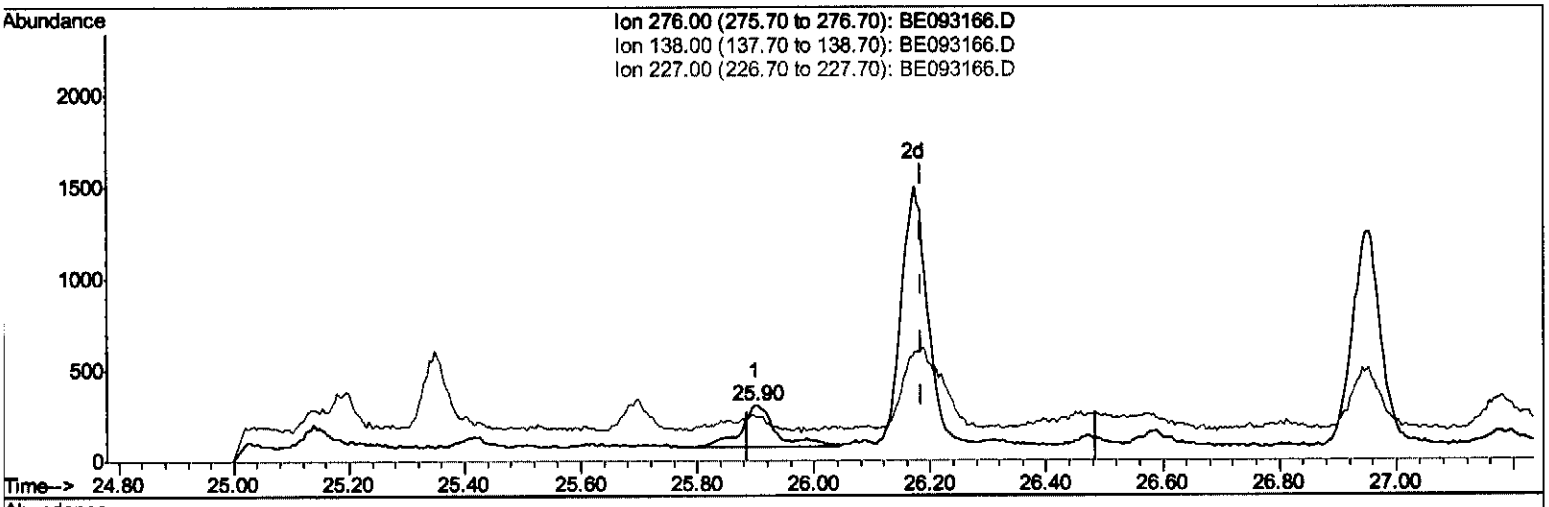
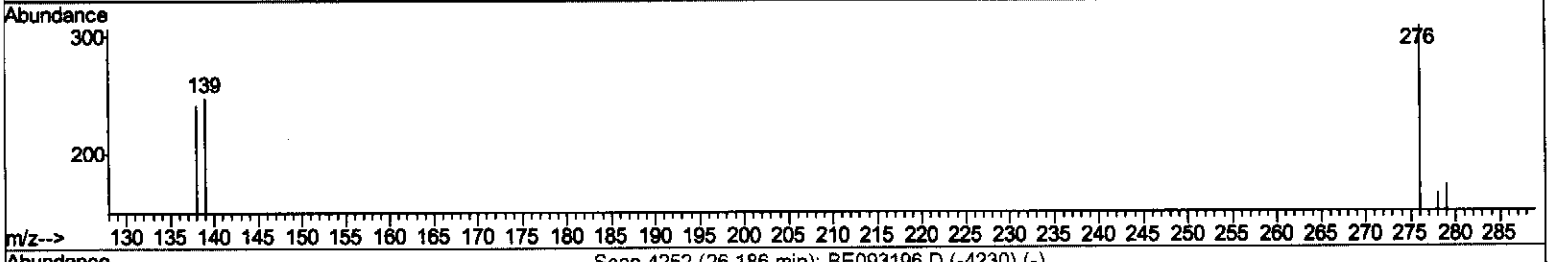
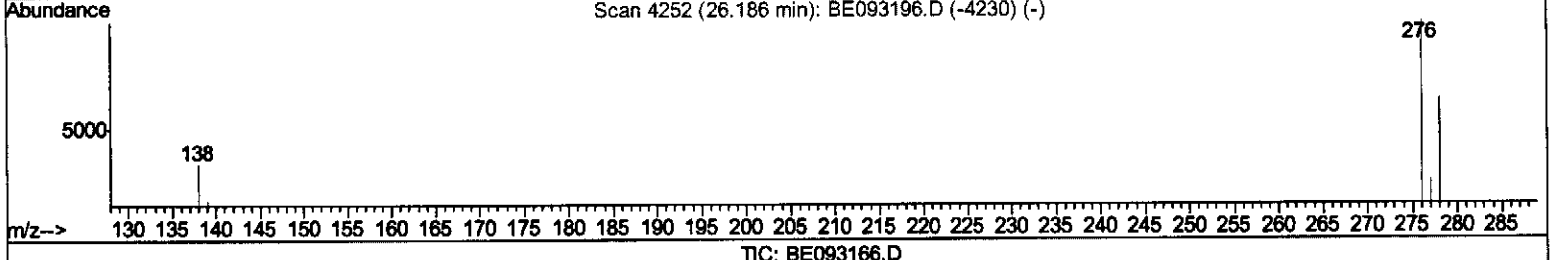
mohammad
6/15/2017 3:52:53 PM







TIC: BE093166.D

(24) Indeno(1,2,3-cd)pyrene

25.900min (-0.286) 0.01ng/ul

response 1002

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	24.65#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093166.D
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mohammad
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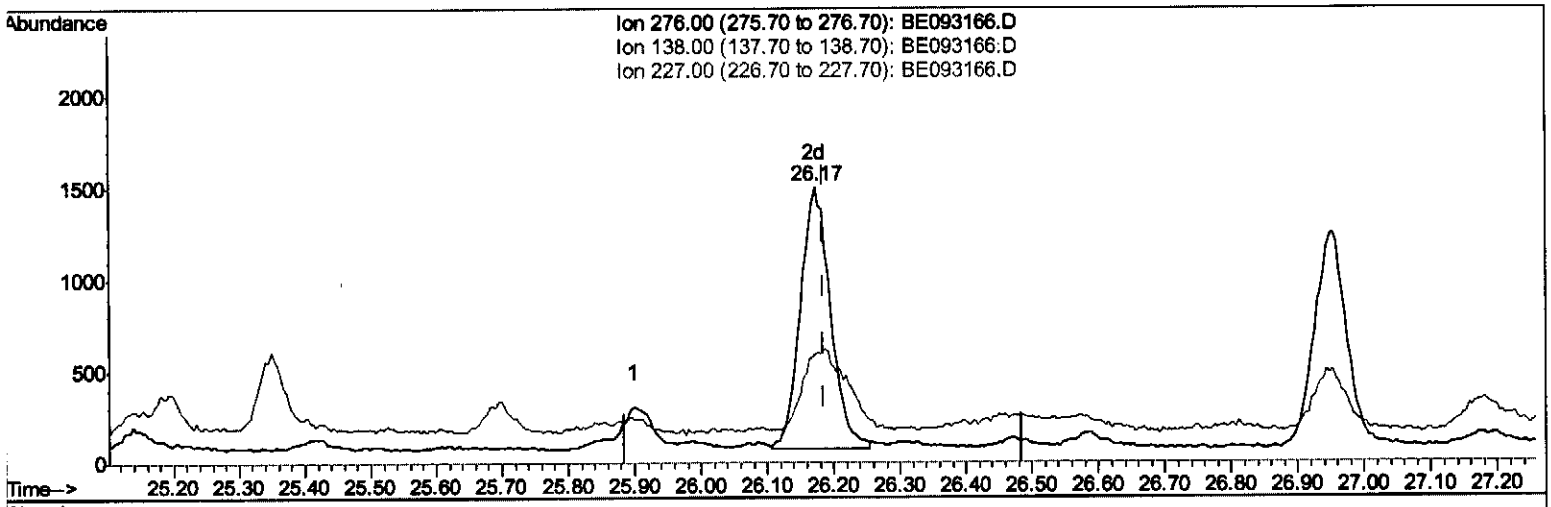

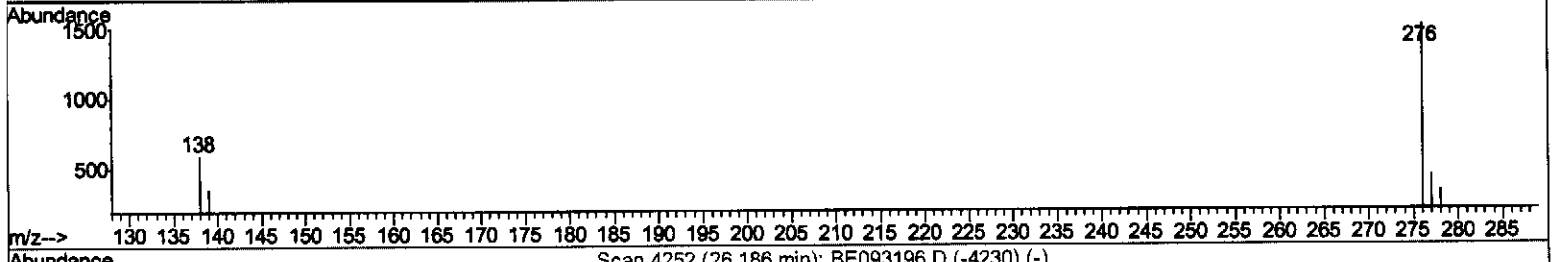

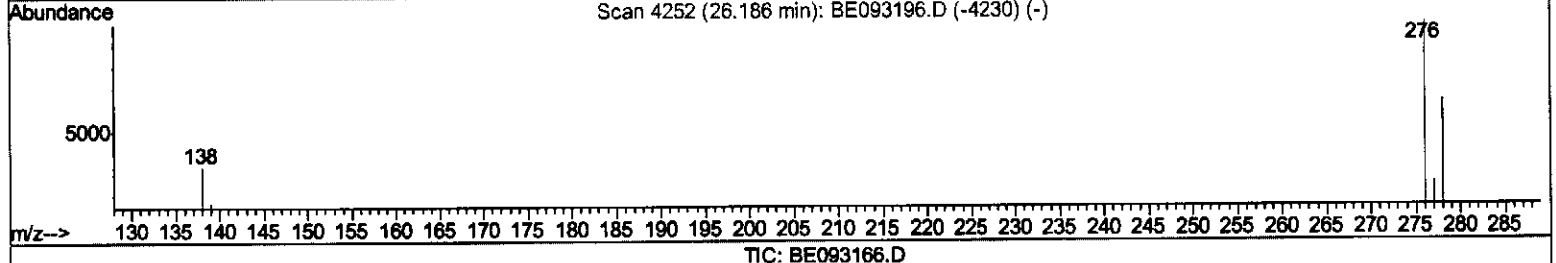

TIC: BE093166.D

(24) Indeno(1,2,3-cd)pyrene

26.173min (-0.013) 0.07ng/ul m

response 4509

SJ 06/21/17

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	5.48#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061417\
Data File : BE093166.D
Acq On : 14 Jun 2017 12:57
Operator : SJ/MA
Sample : I3520-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 15 10:28:14 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 07:58:47 2017
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : F5A37

Manual Integrations APPROVED
mohammad
6/15/2017 3:52:53 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3447	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	17320	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11088	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	25404	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	25535	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	20517m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	5579	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	15001	0.22	ng/ul	0.00
Target Compounds						Qvalue
12) Phenanthrene	17.13	178	4894	0.070	ng/ul#	90
15) Fluoranthene	19.15	202	11694	0.136	ng/ul	84
17) Pyrene	19.51	202	13627	0.181	ng/ul#	91
18) Benzo(a)anthracene	21.24	228	5131	0.075	ng/ul#	86
19) Chrysene	21.29	228	6940	0.098	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	9341	0.150	ng/ul	87
22) Benzo(k)fluoranthene	22.97	252	3551m	0.054	ng/ul	
23) Benzo(a)pyrene	23.55	252	5671m	0.096	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.17	276	4509m	0.066	ng/ul	
26) Benzo(g,h,i)perylene	26.95	276	4014	0.069	ng/ul#	84

SJ 06/21/17

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