Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

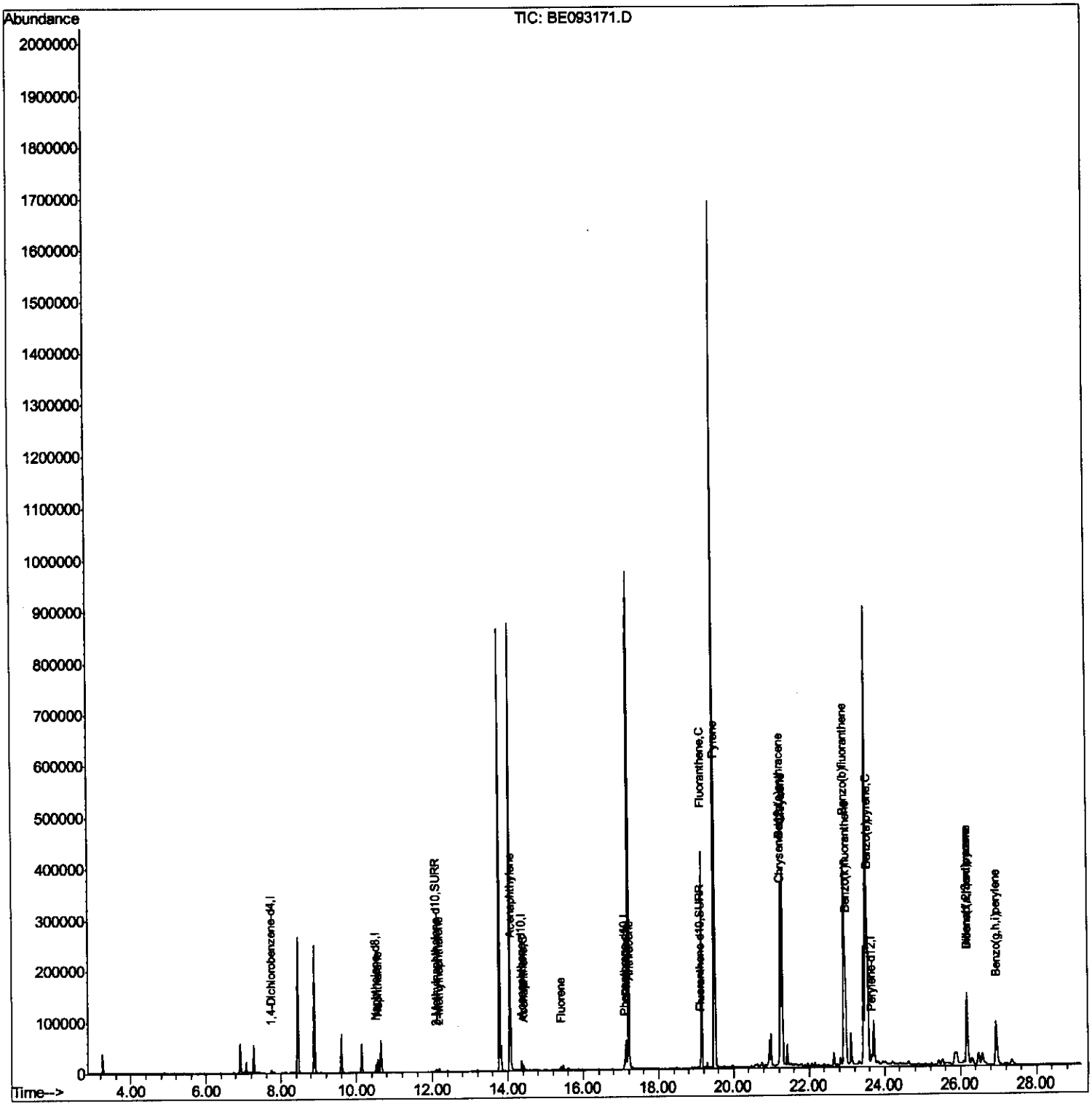
Quantitation Report (QT Reviewed)

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 15 03:29:49 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 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM



Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

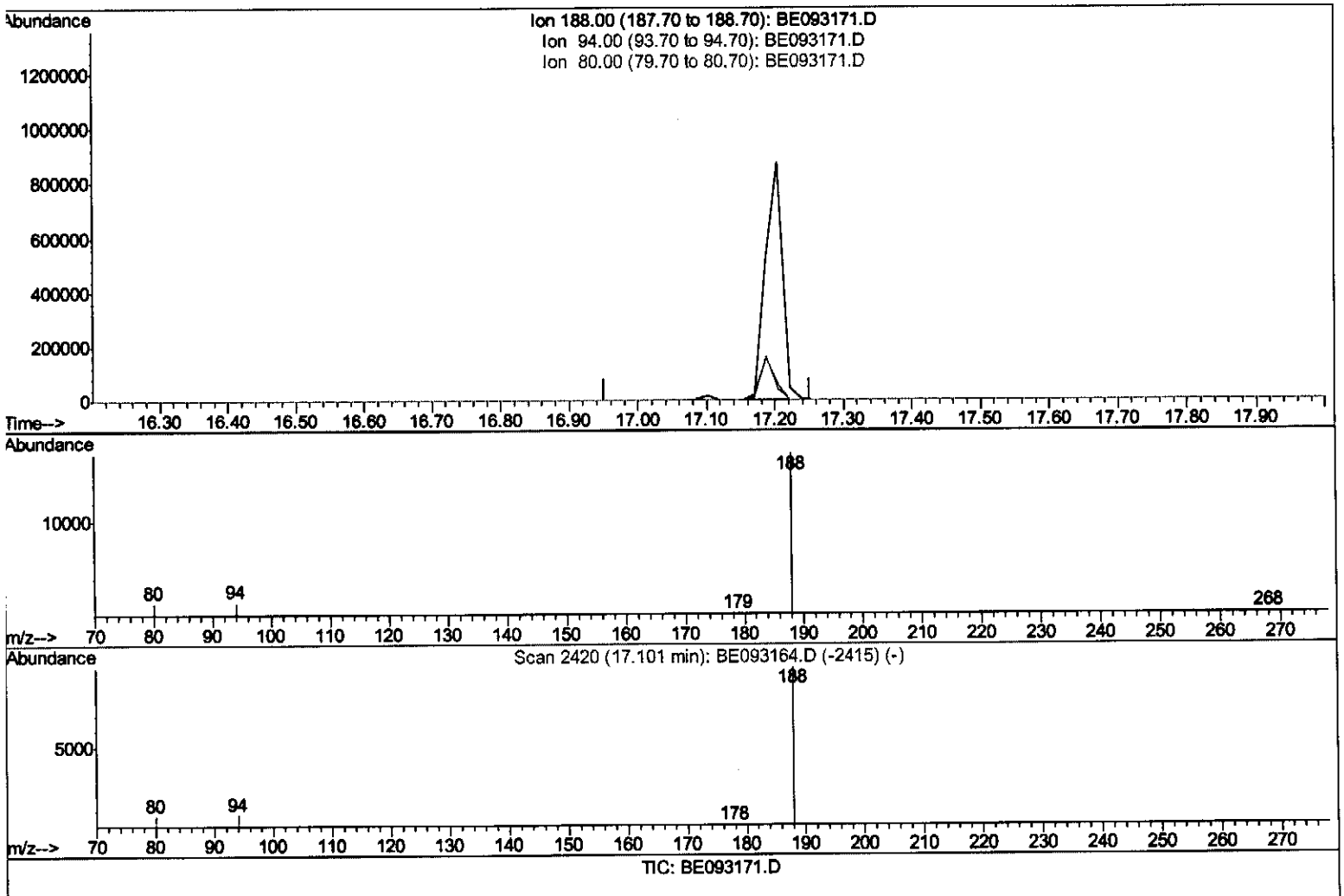
Quantitation Report (Qedit)

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 15 02:28:05 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 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM



TIC: BE093171.D

(10) Phenanthrene-d10 (I)

17.101min (-17.101) 0.00ng/ul

response 0

Ion	Exp%	Act%
188.00	100	0.00
94.00	11.00	0.00#
80.00	11.80	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

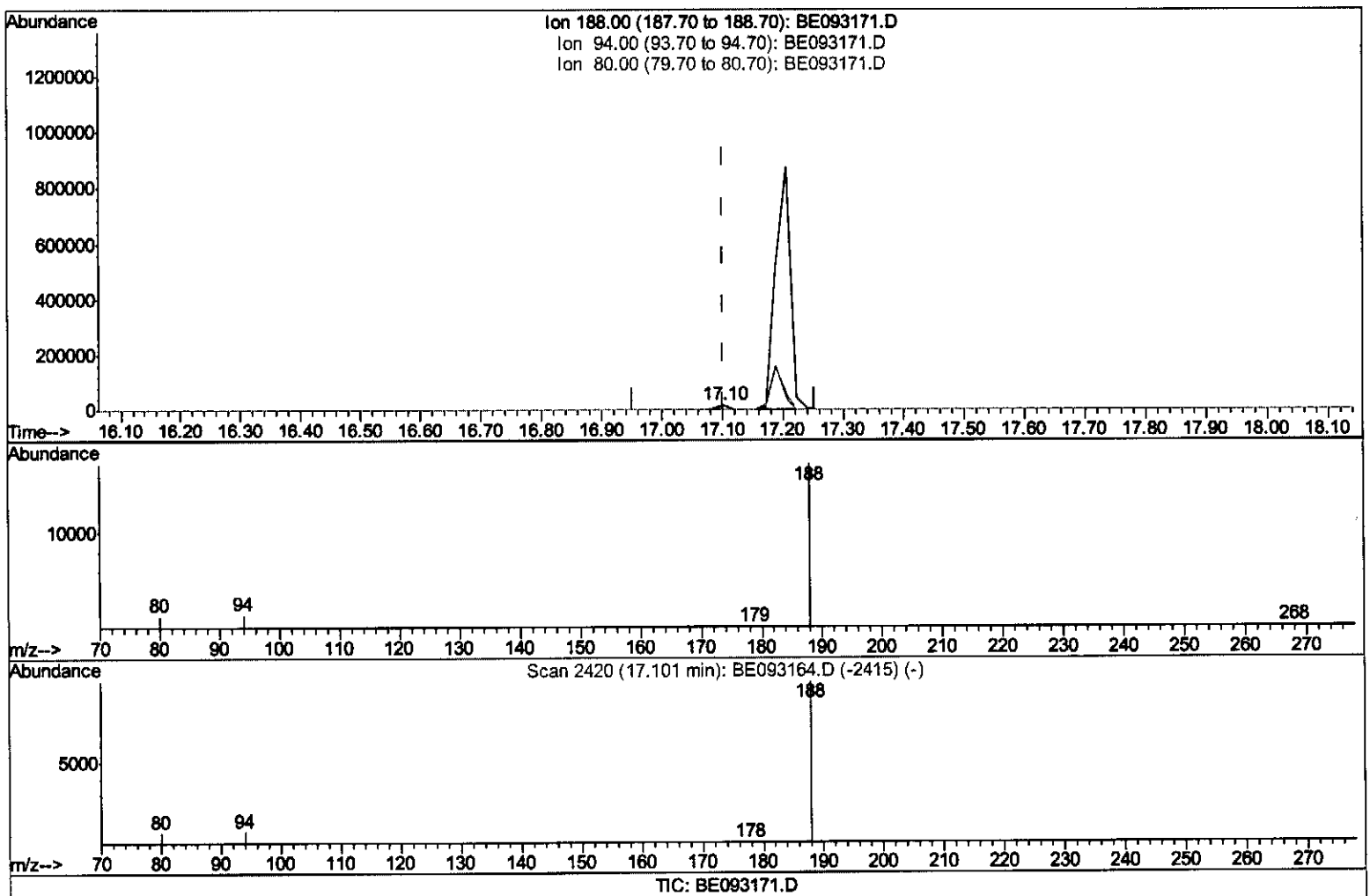
Quantitation Report (Qedit)

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 15 02:28:05 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 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM



TIC: BE093171.D

(10) Phenanthrene-d10 (I)

17.101min (0.000) 0.40ng/ul m > SJ 06/21/17

response 24134

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.86#
80.00	11.80	7.44#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

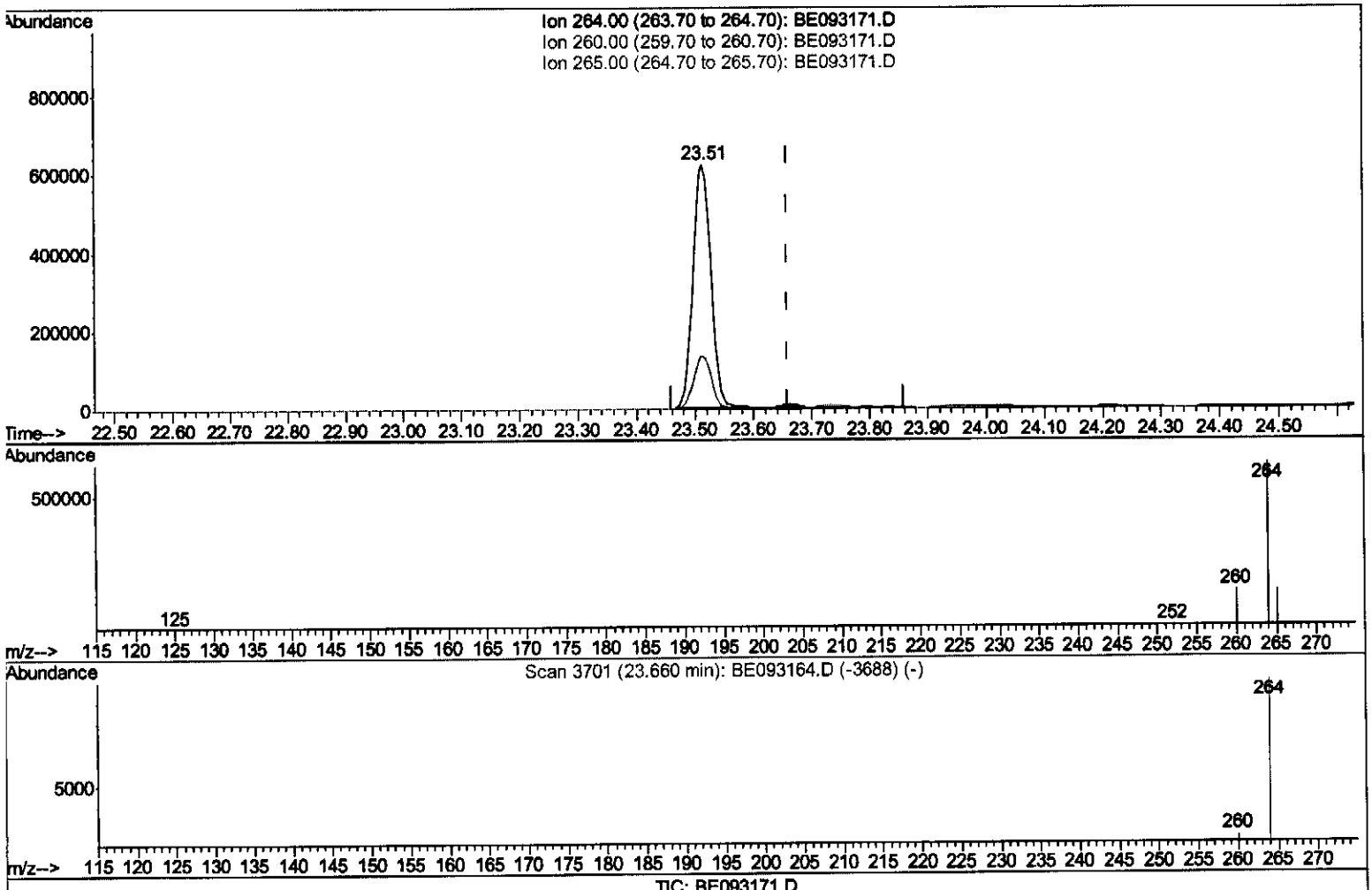
Quantitation Report (Qedit)

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 15 02:28:05 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 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM



TIC: BE093171.D

(20) Perylene-d12 (I)

23.513min (-0.147) 0.40ng/ul

response 1331766

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.83#
265.00	103.50	21.72#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

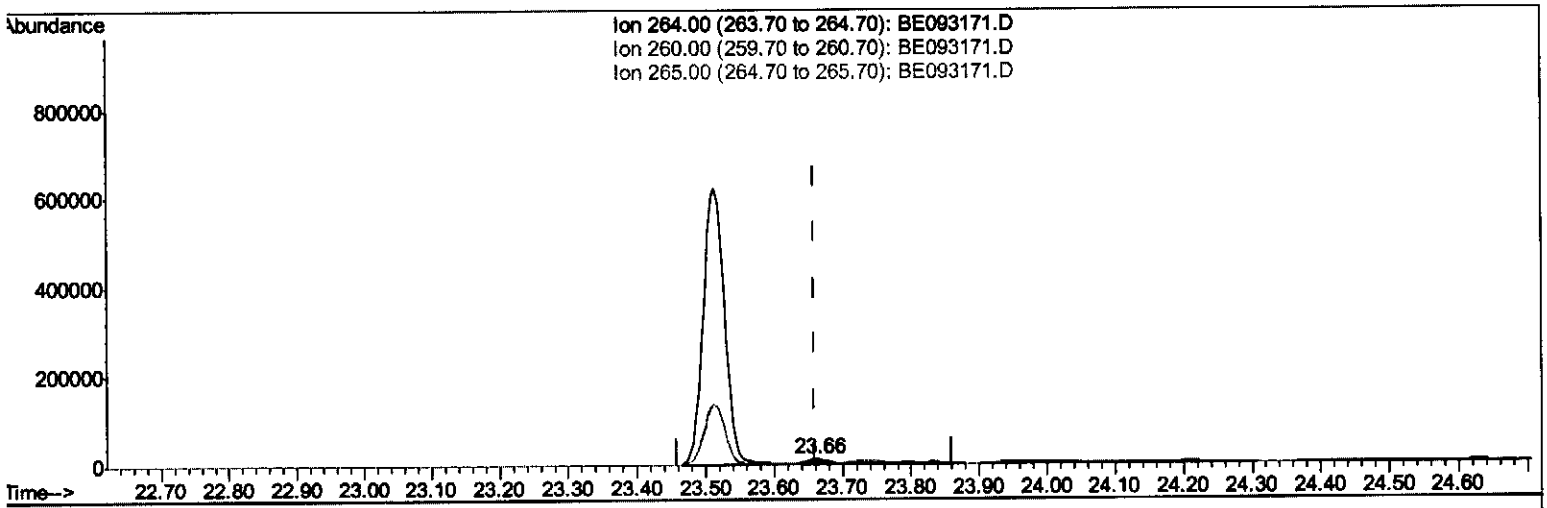
Quantitation Report (Qedit)

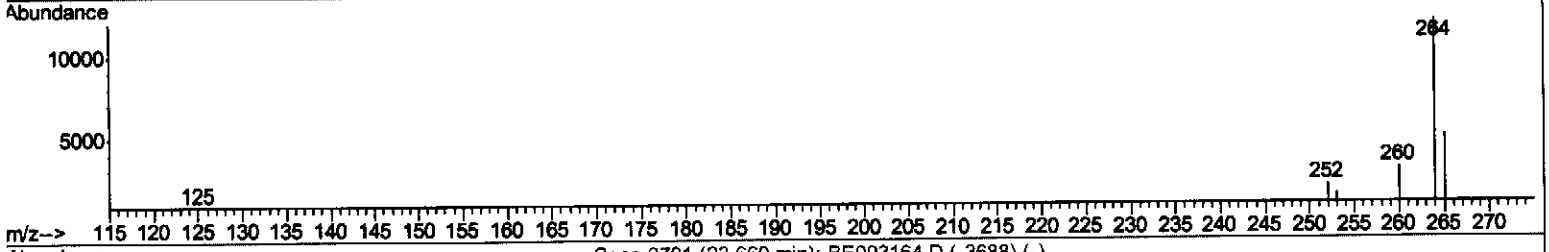
Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

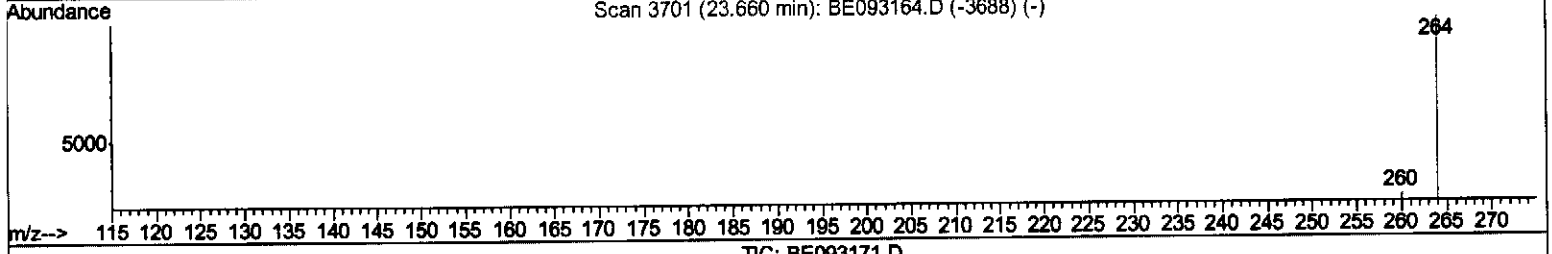
Quant Time: Jun 15 02:28:05 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM







TIC: BE093171.D

(20) Perylene-d12 (I)

23.663min (+0.004) 0.40ng/ul m > SJ 06121117

response 19913

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.59
265.00	103.50	41.49#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

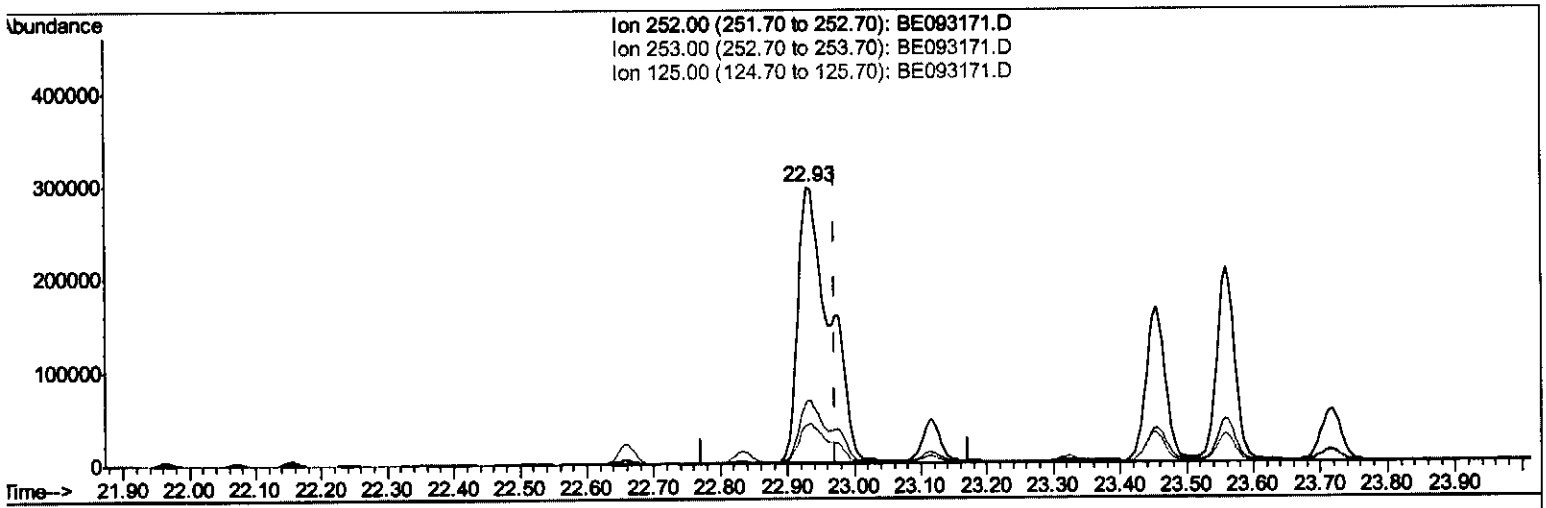
Quantitation Report (Qedit)

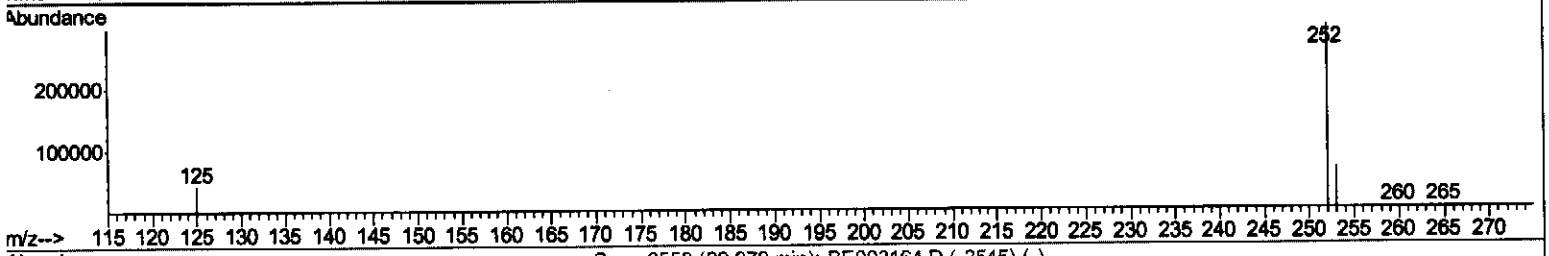
Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

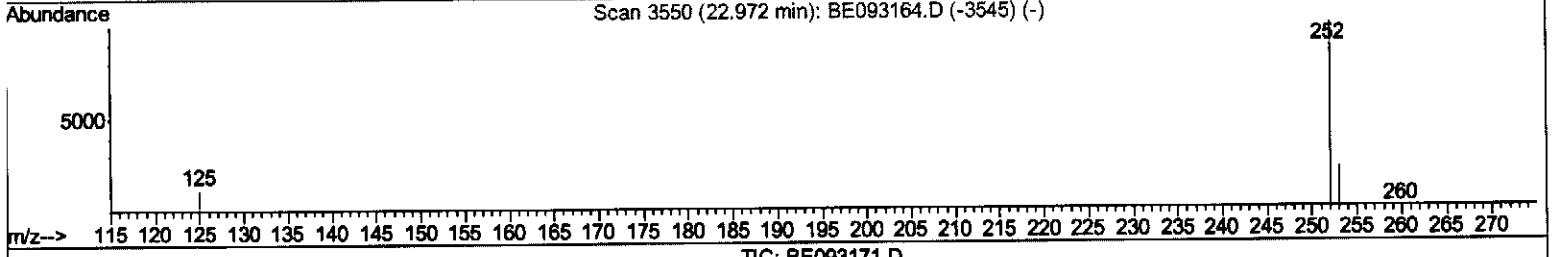
Quant Time: Jun 15 03:28:22 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM







TIC: BE093171.D

(22) Benzo(k)fluoranthene

22.930min (-0.042) 14.96ng/ul

response 960164

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.97#
125.00	17.10	14.19
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

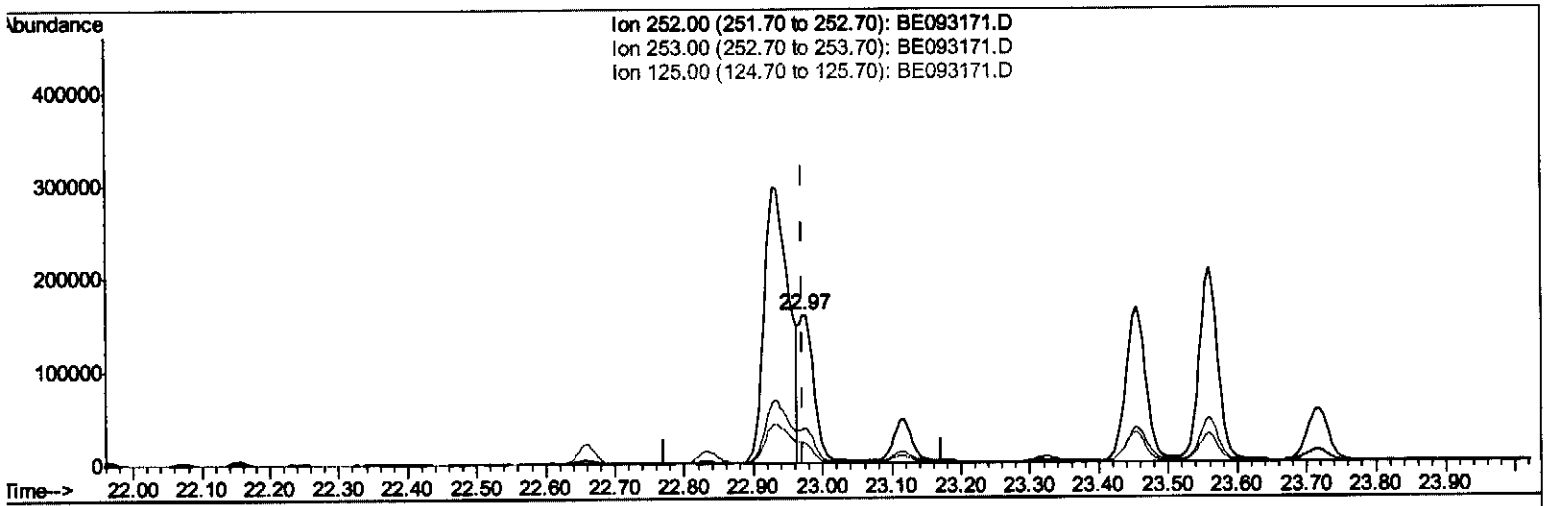
Quantitation Report (Qedit)

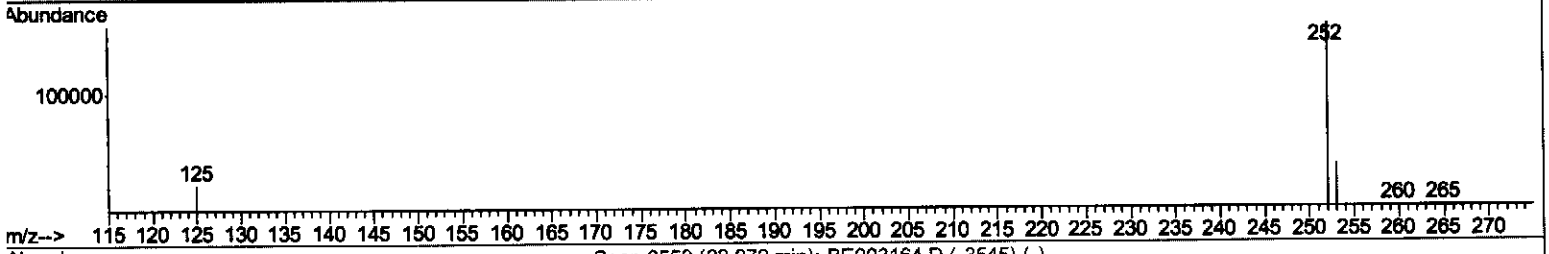
Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

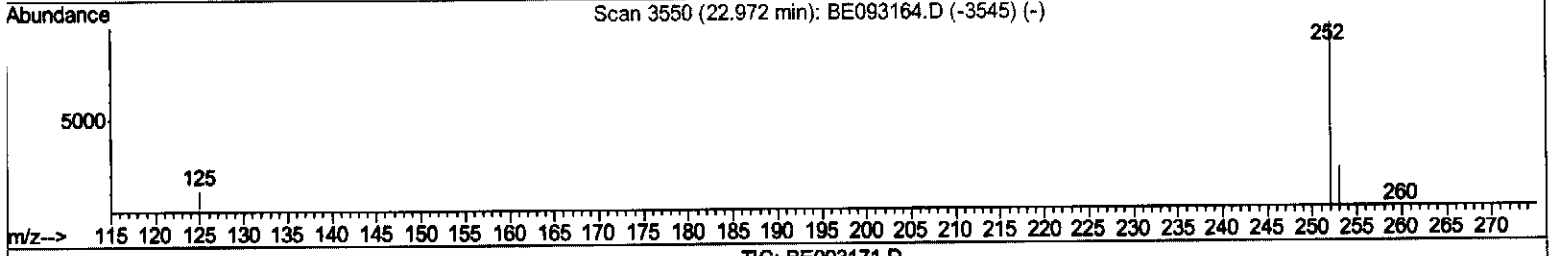
Quant Time: Jun 15 03:28:22 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM







TIC: BE093171.D

(22) Benzo(k)fluoranthene

22.971min (-0.001) 3.82ng/ul m > SJ 06121117

response 244857

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.24#
125.00	17.10	14.17
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

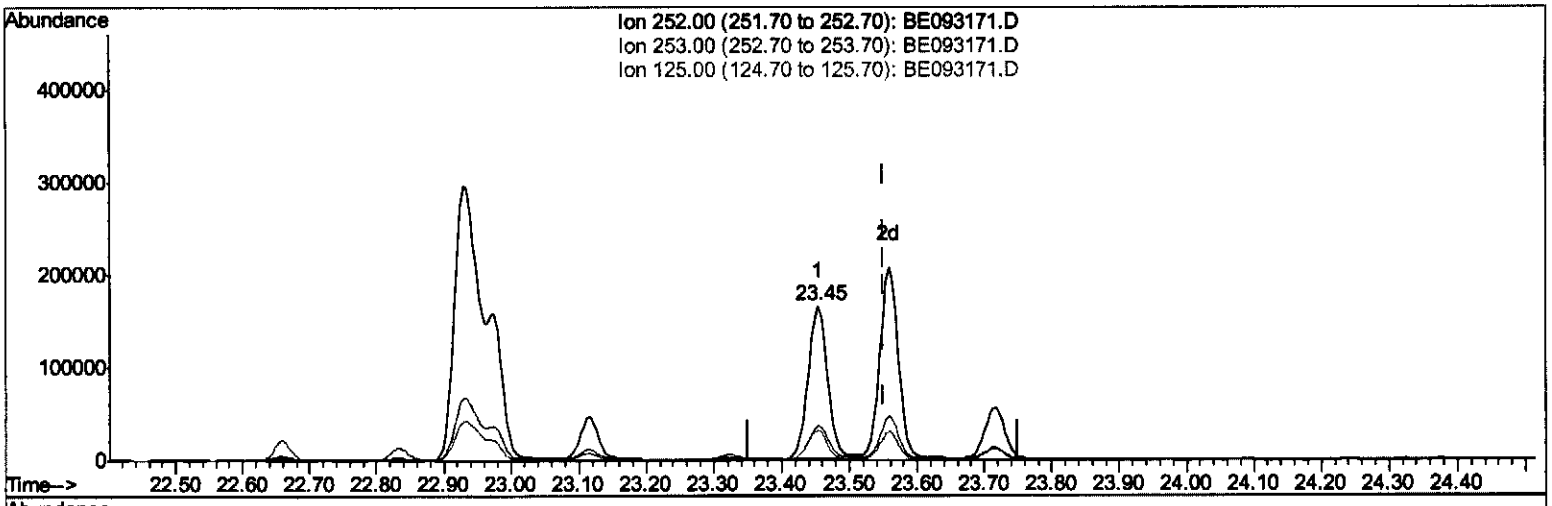
Quantitation Report (Qedit)

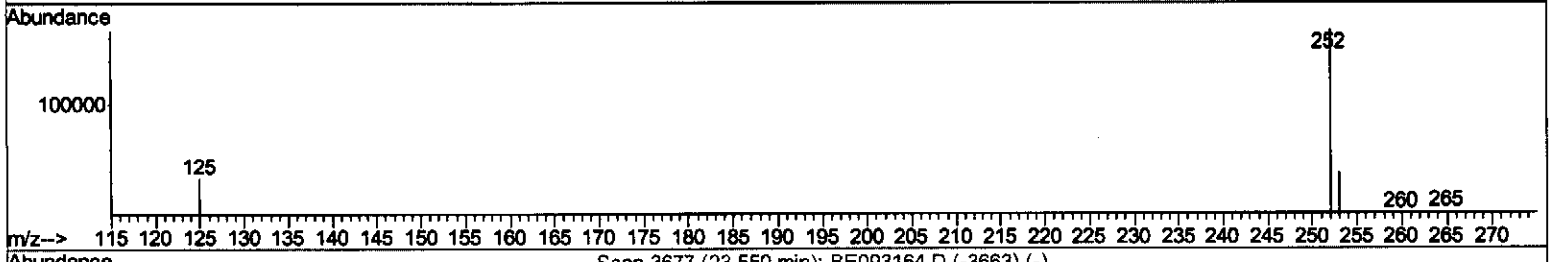
Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

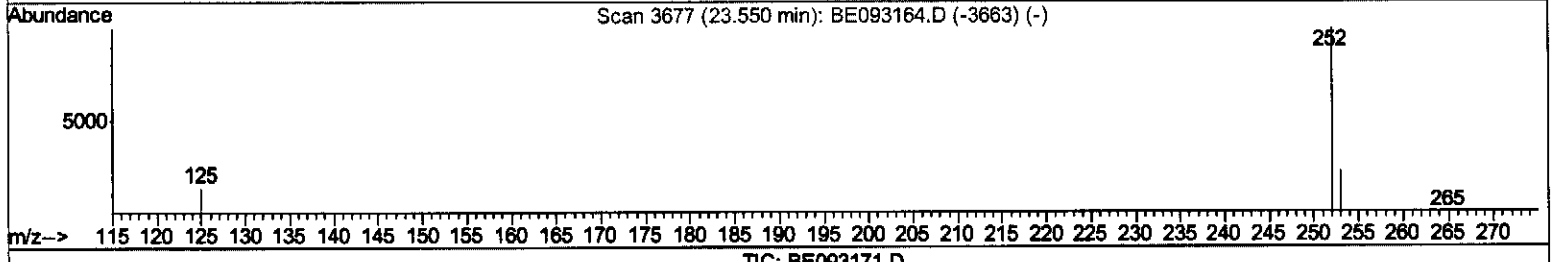
Quant Time: Jun 15 03:28:22 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM







TIC: BE093171.D

(23) Benzo(a)pyrene (C)

23.454min (-0.097) 5.84ng/ul

response 333899

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.43#
125.00	22.60	19.76
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

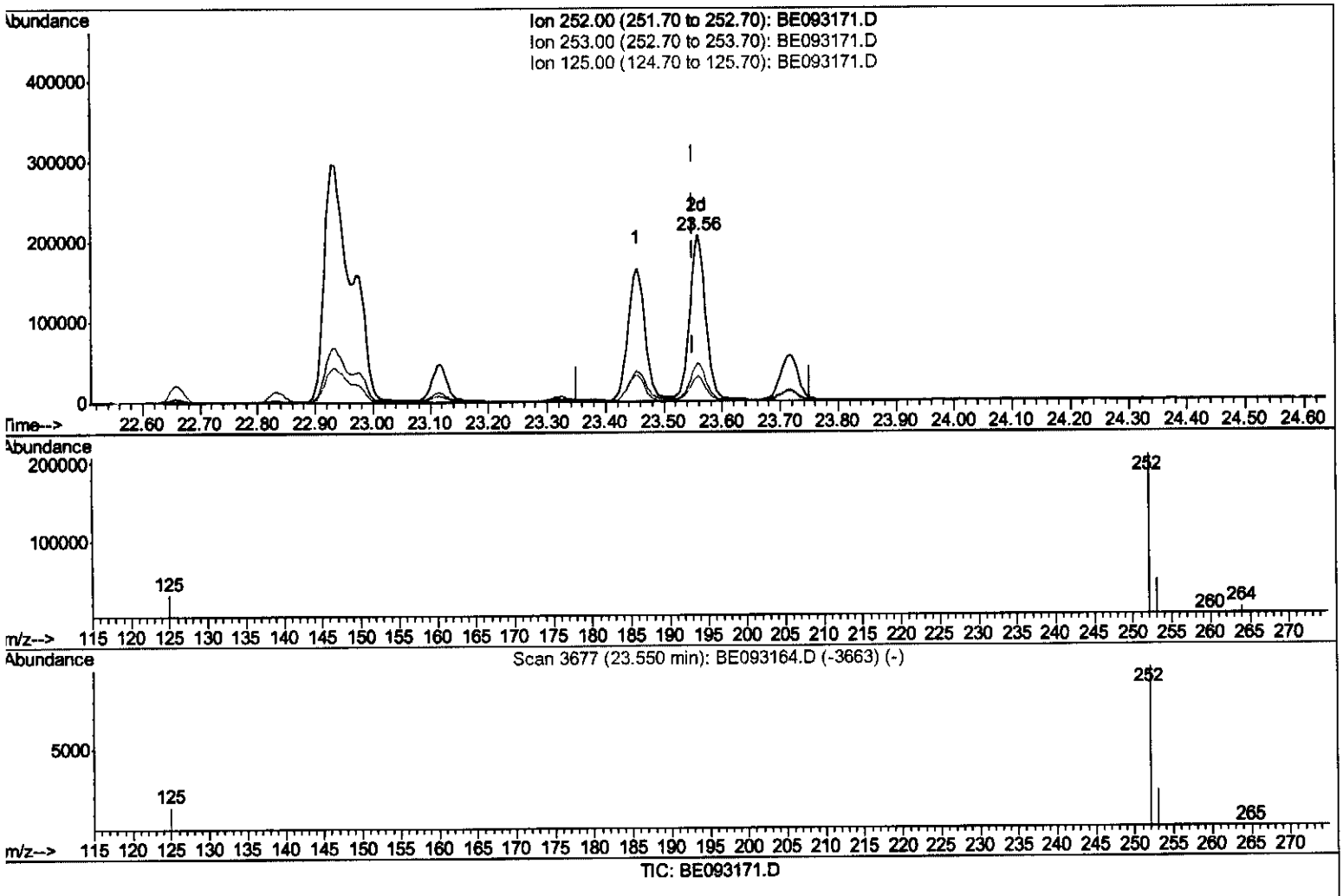
Quantitation Report (Qedit)

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 15 03:28:22 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 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM



TIC: BE093171.D

(23) Benzo(a)pyrene (C)

23.558min (+0.008) 7.01ng/ul m

response 400745

SJ 06/21/17

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.02#
125.00	22.60	14.82#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

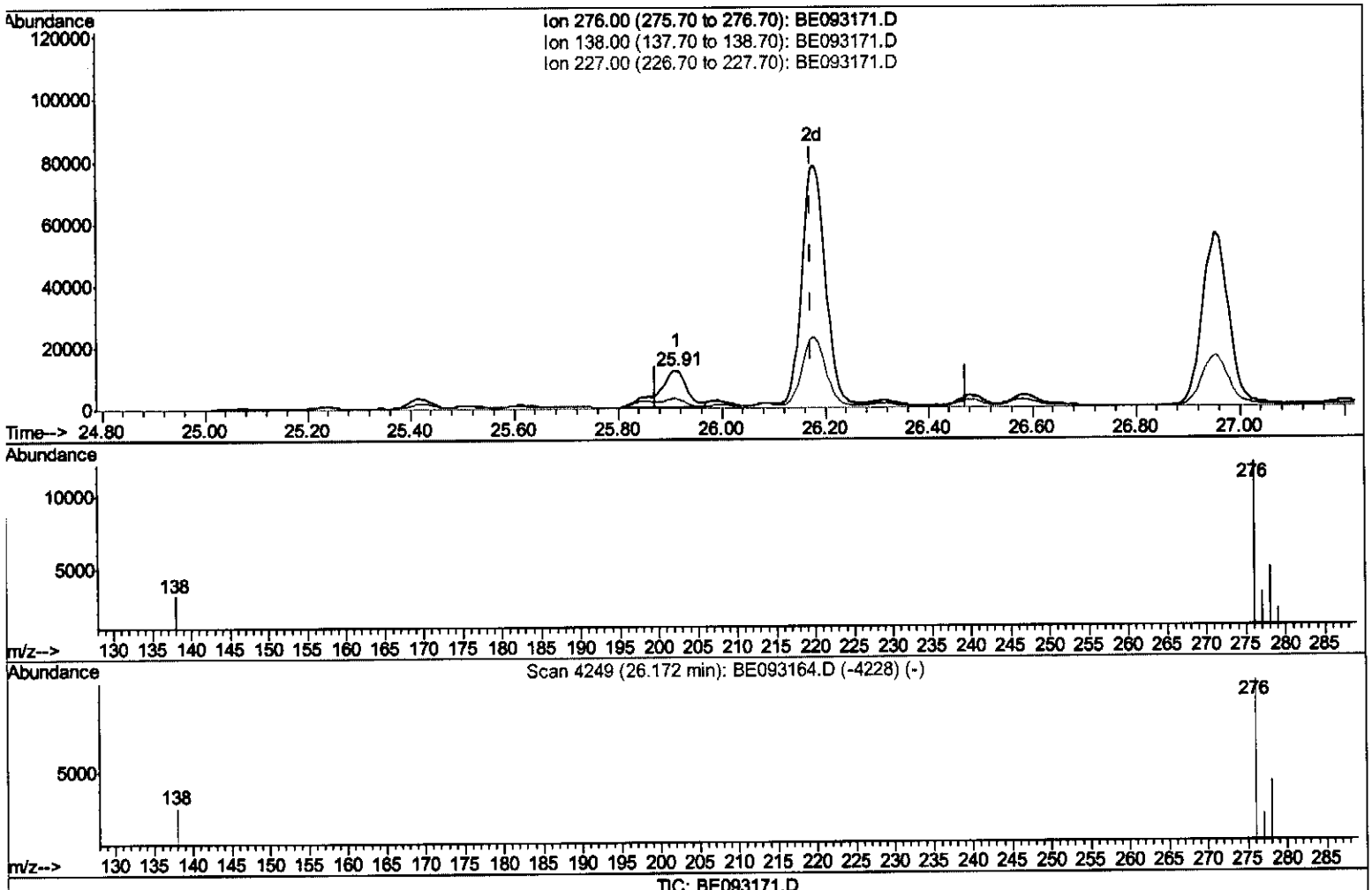
Quantitation Report (Qedit)

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 15 03:28:22 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 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM



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

25.912min (-0.260) 0.70ng/ul

response 46378

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	16.58#
227.00	10.00	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

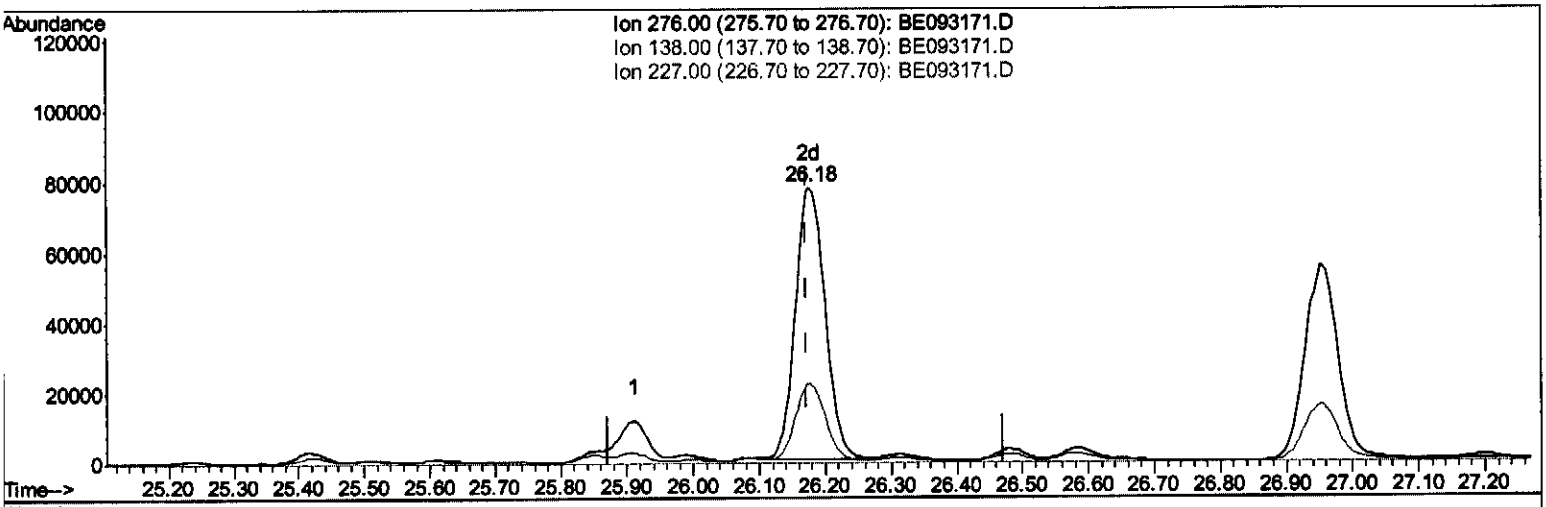
Quantitation Report (Qedit)

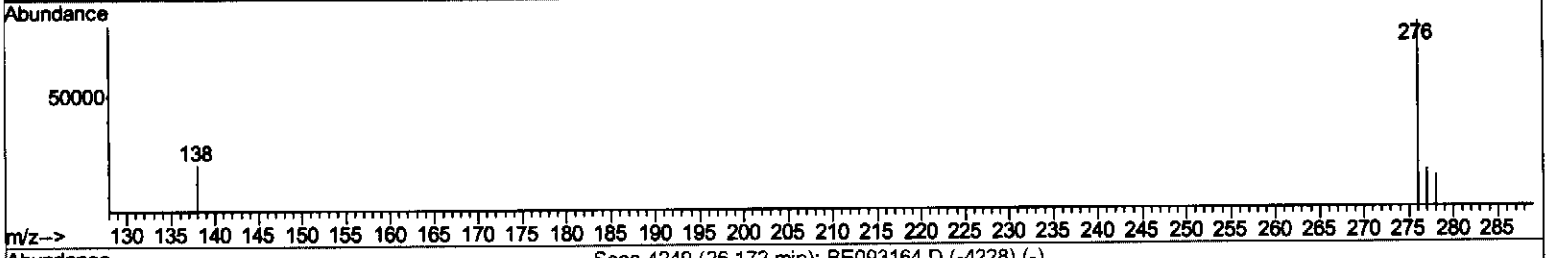
Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

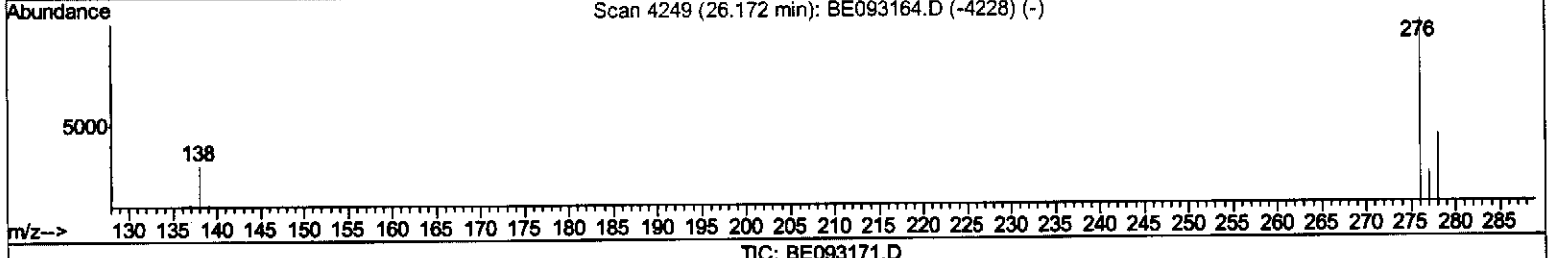
Quant Time: Jun 15 03:28:22 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM







TIC: BE093171.D

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

26.176min (+0.004) 3.66ng/ul m > SJ 06/21/17

response 242336

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	3.17#
227.00	10.00	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

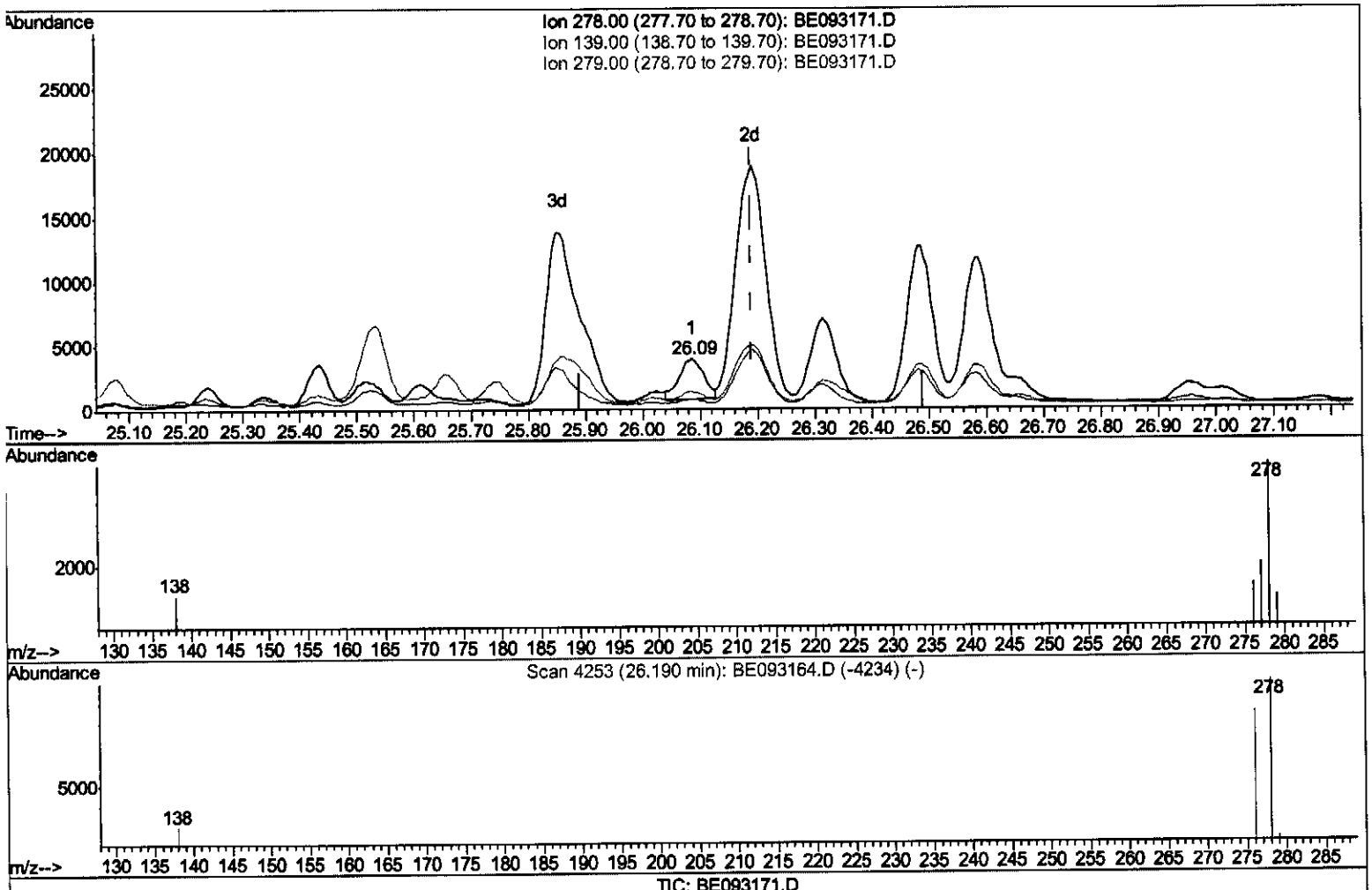
Quantitation Report (Qedit)

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 15 03:28:22 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 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM



TIC: BE093171.D

(25) Dibenzo(a,h)anthracene

26.085min (-0.105) 0.17ng/ul

response 9550

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.74
279.00	32.40	34.53
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

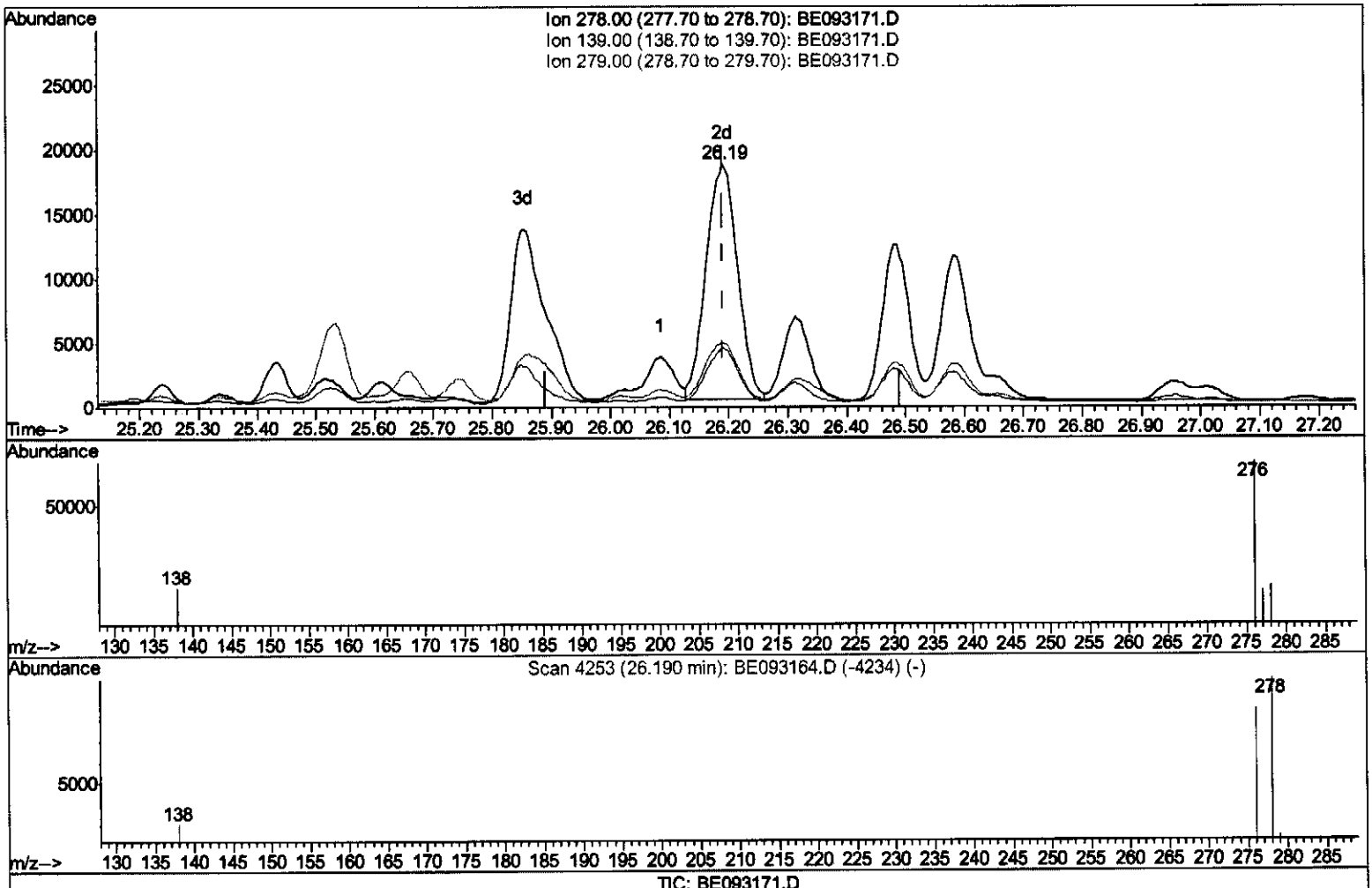
Quantitation Report (Qedit)

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 15 03:28:22 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 02:27:21 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM



TIC: BE093171.D

(25) Dibenzo(a,h)anthracene

26.190min (-0.000) 1.21ng/ul m

response 67643

SJ 06/21/17

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	24.44
279.00	32.40	26.35
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\

Quantitation Report (QT Reviewed)

Data File : BE093171.D
Acq On : 14 Jun 2017 16:02
Operator : SJ/MA
Sample : I3522-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F5B23

Manual Integrations APPROVED
mohammad
6/15/2017 3:53:07 PM

Quant Time: Jun 15 03:29:49 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 02:27:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3310	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	16679	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10439	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	24134m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	26124	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	19913m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	6889	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	18702	0.28	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.57	128	36038	0.87	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	5877	0.21	ng/ul	98
7) Acenaphthylene	14.09	152	37910	0.85	ng/ul	95
8) Acenaphthene	14.43	153	5682	0.16	ng/ul	99
9) Fluorene	15.42	166	4606	0.11	ng/ul	91
12) Phenanthrene	17.14	178	61083	0.92	ng/ul#	87
13) Anthracene	17.22	178	55306	0.96	ng/ul#	87
15) Fluoranthene	19.15	202	432357	5.31	ng/ul	83
17) Pyrene	19.51	202	490711	6.37	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	327475	4.70	ng/ul#	86
19) Chrysene	21.29	228	435378	6.02	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	721047	11.93	ng/ul	87
22) Benzo(k)fluoranthene	22.97	252	244857m	3.82	ng/ul	
23) Benzo(a)pyrene	23.56	252	400745m	7.01	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.18	276	242336m	3.66	ng/ul	
25) Dibenzo(a,h)anthracene	26.19	278	67643m	1.21	ng/ul	
26) Benzo(g,h,i)perylene	26.95	276	197079	3.47	ng/ul	96

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