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

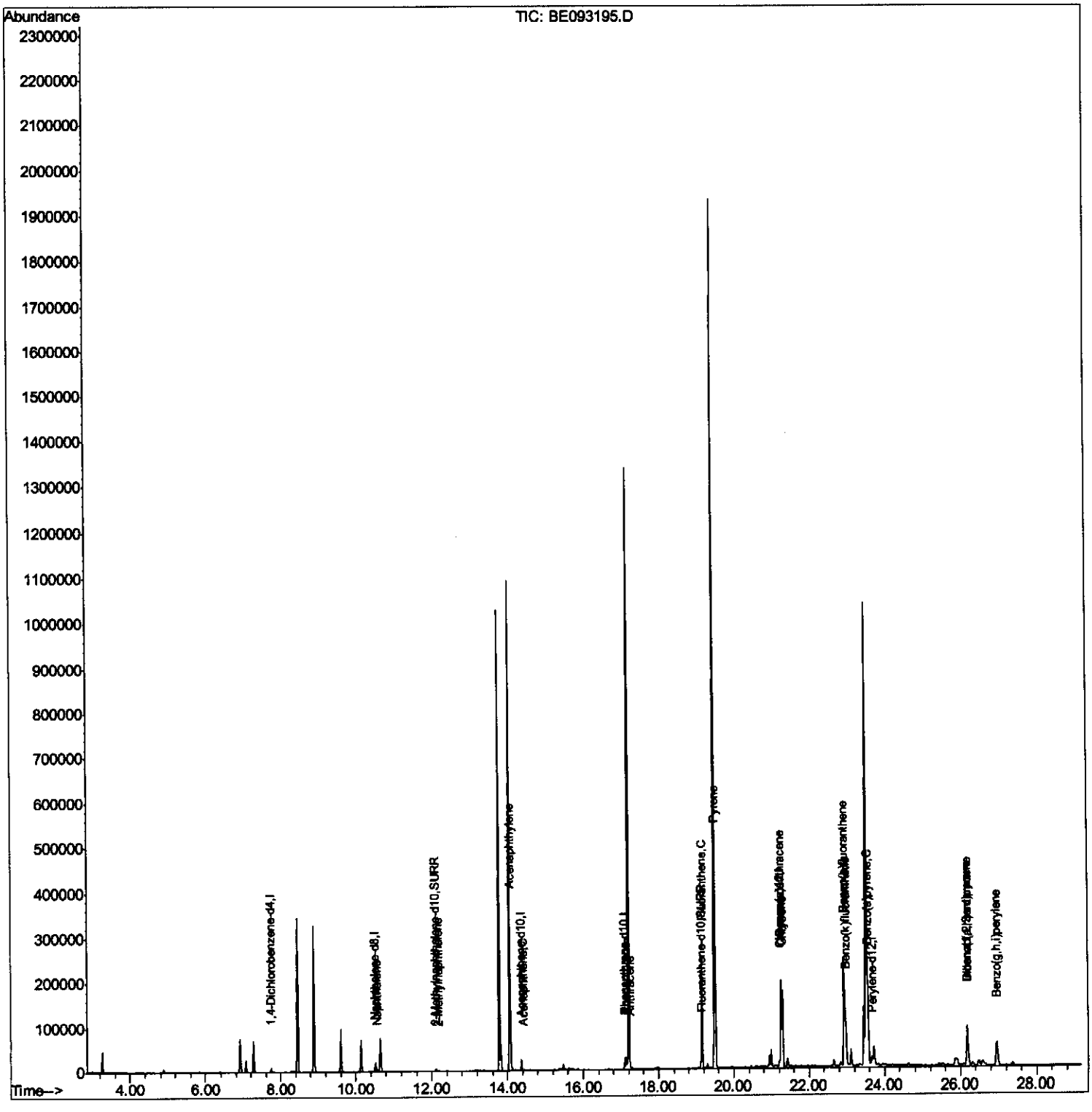
Quantitation Report (QT Reviewed)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:34:04 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 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



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

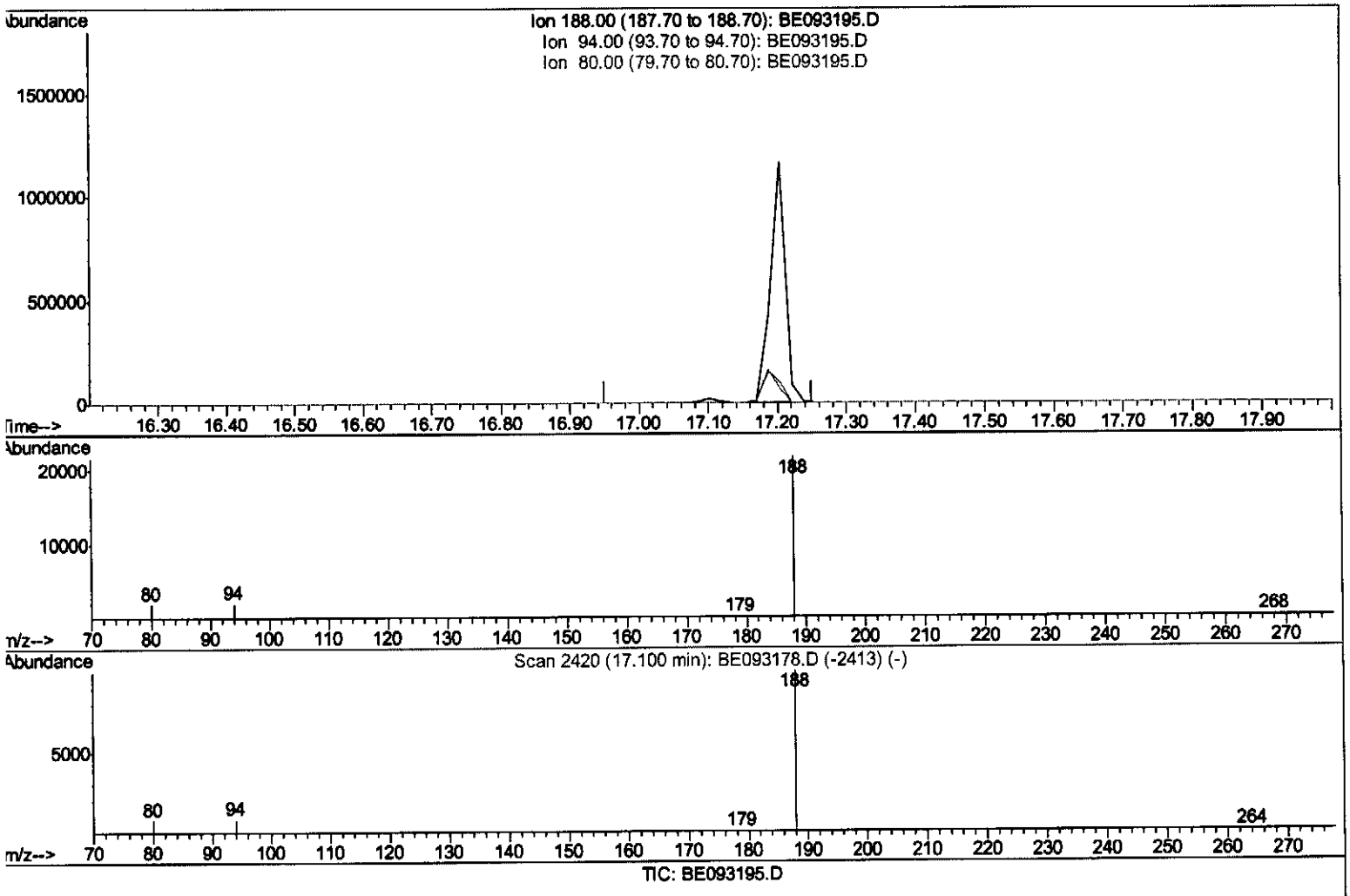
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:31:07 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 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

(10) Phenanthrene-d10 (I)

17.100min (-17.100) 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\

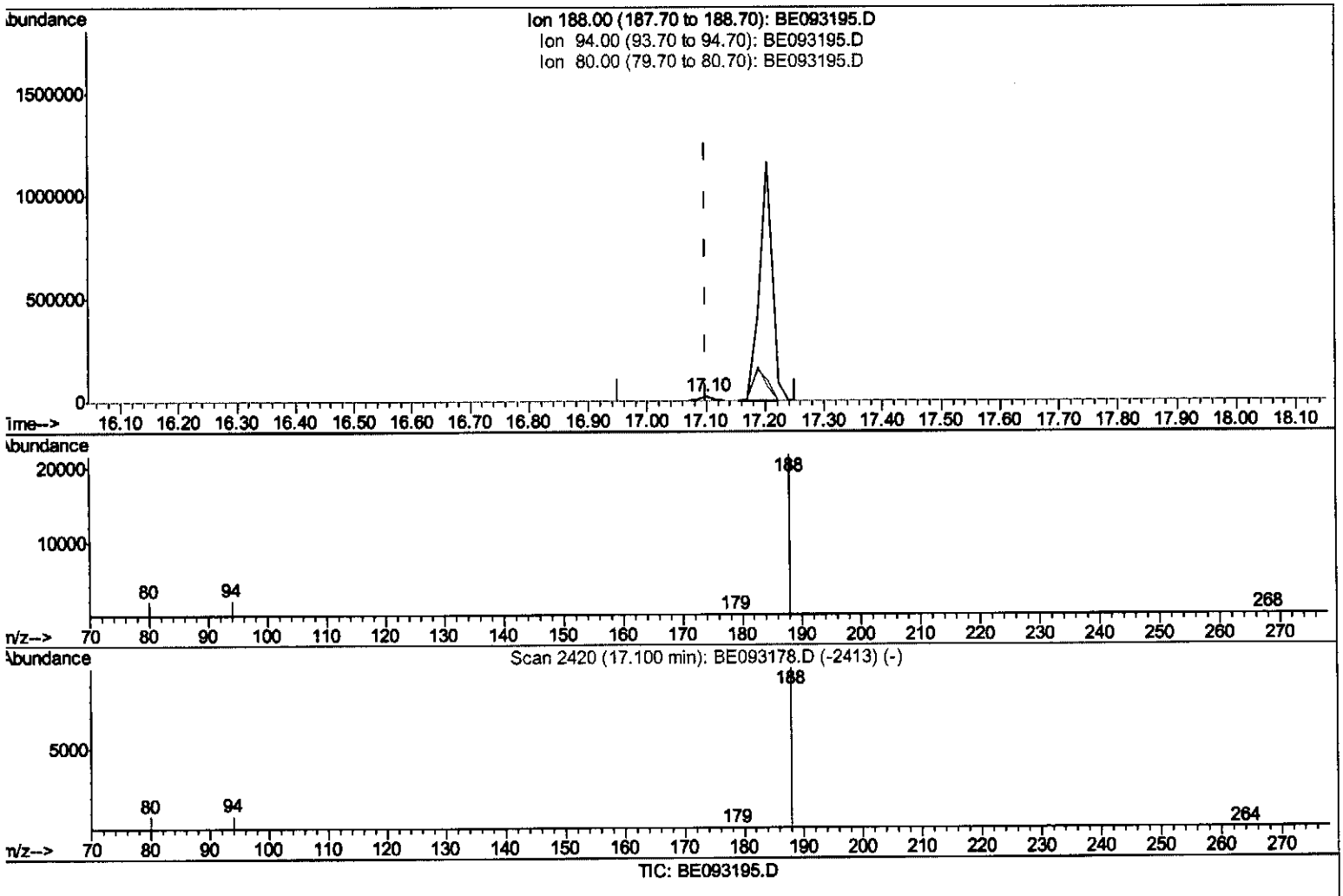
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:31:07 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 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

(10) Phenanthrene-d10 (I)

17.100min (0.000) 0.40ng/ul m

response 29551

SJ 06/21/17

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.44
80.00	11.80	8.80#
0.00	0.00	0.00

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

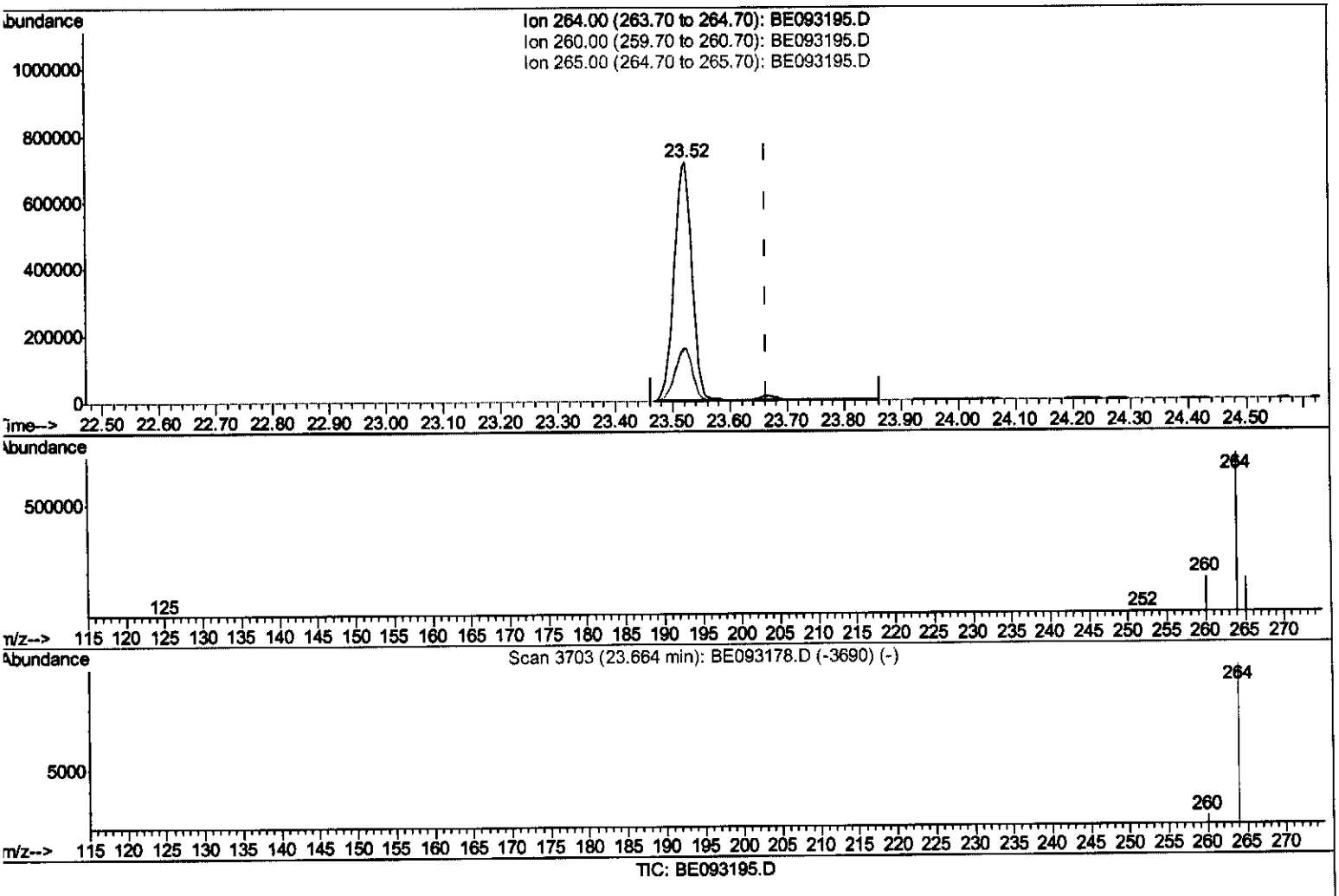
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:31:07 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 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

(20) Perylene-d12 (I)

23.523min (-0.141) 0.40ng/ul

response 1512061

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.25#
265.00	103.50	21.66#
0.00	0.00	0.00

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

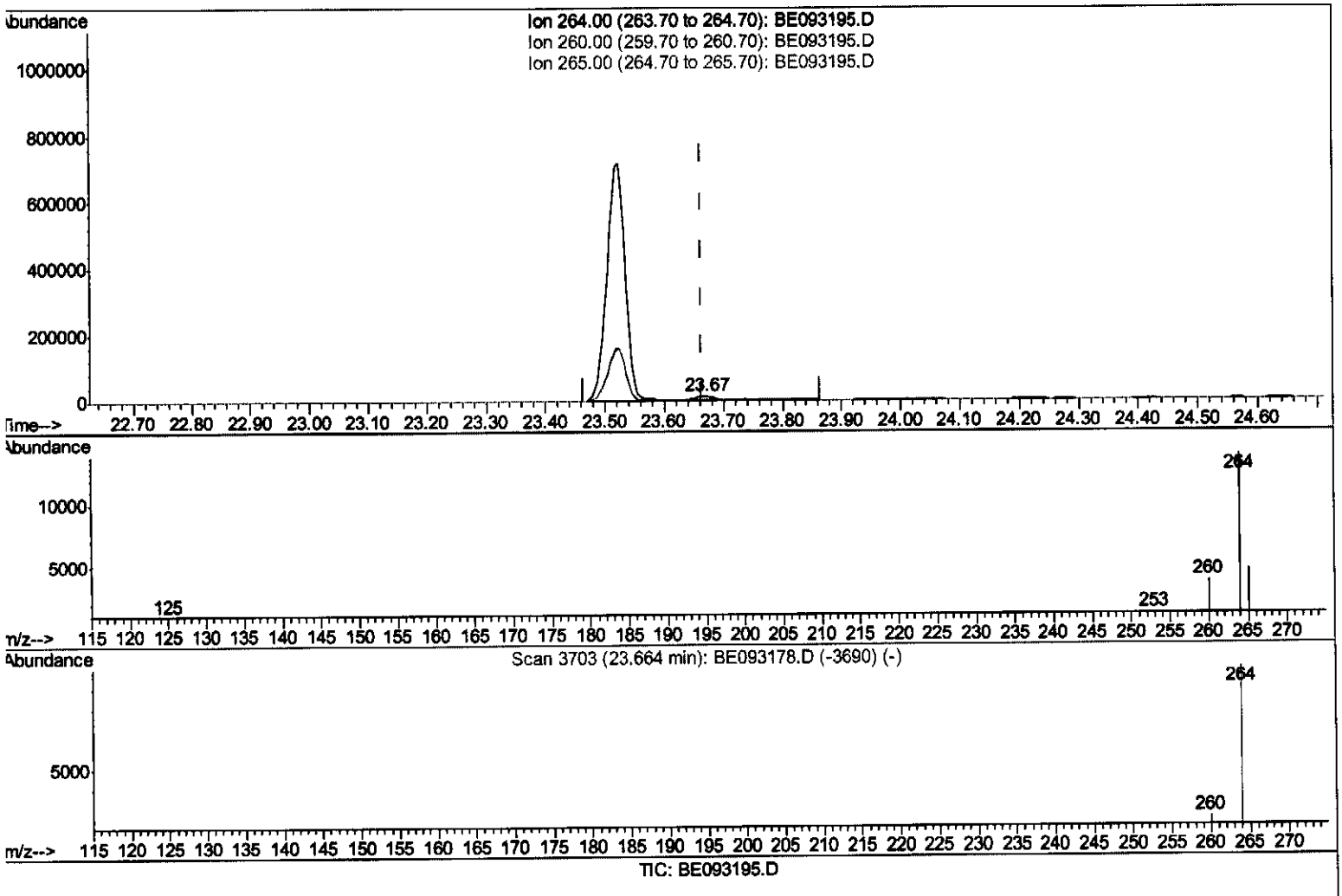
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:31:07 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 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



(20) Perylene-d12 (I)

23.669min (+0.005) 0.40ng/ul m > SJ 06/21/17

response 25609

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.27
265.00	103.50	33.54#
0.00	0.00	0.00

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

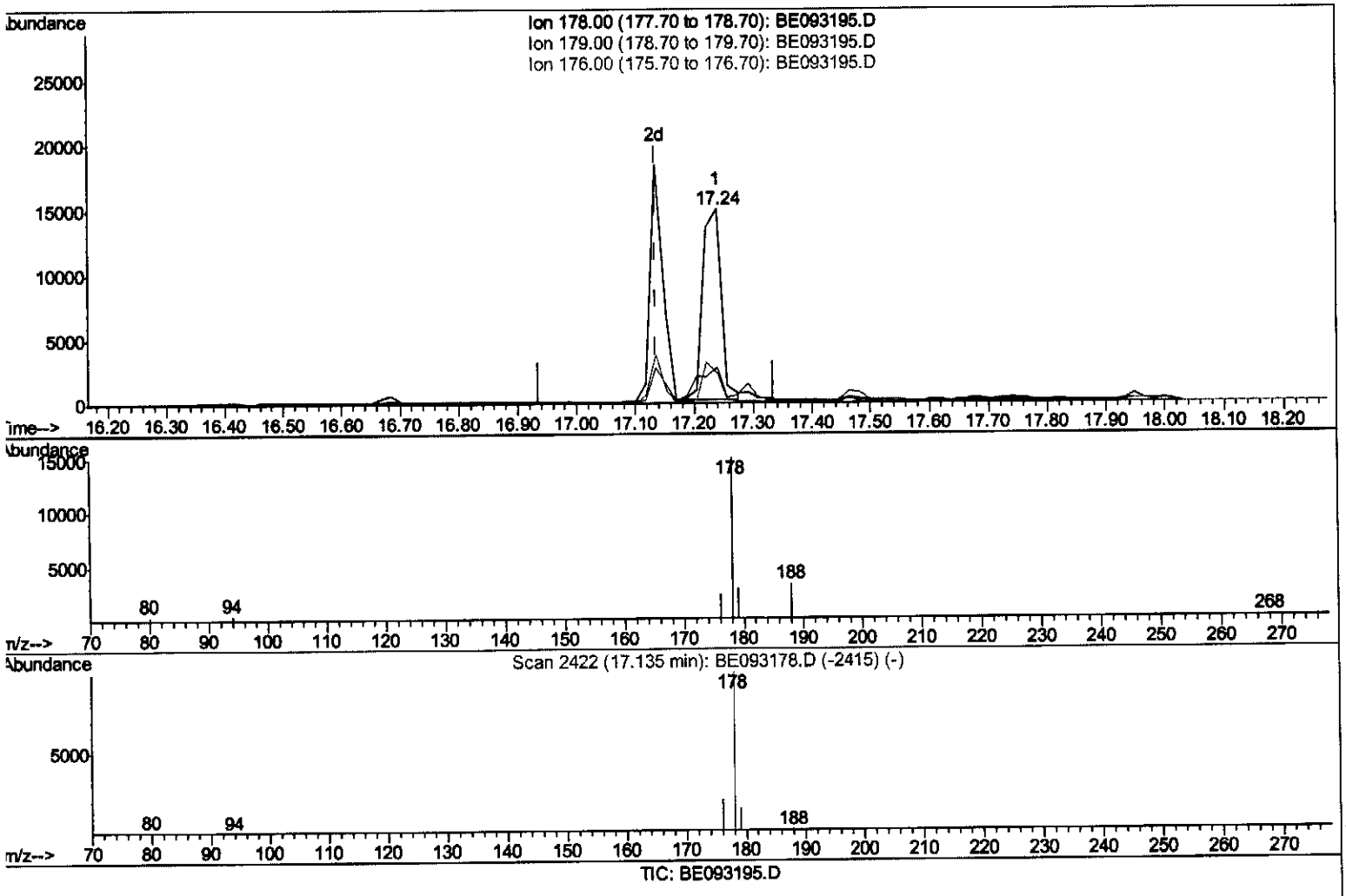
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

(12) Phenanthrene

17.239min (+0.104) 0.39ng/ul

response 31746

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	18.69
176.00	17.00	15.43
0.00	0.00	0.00

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

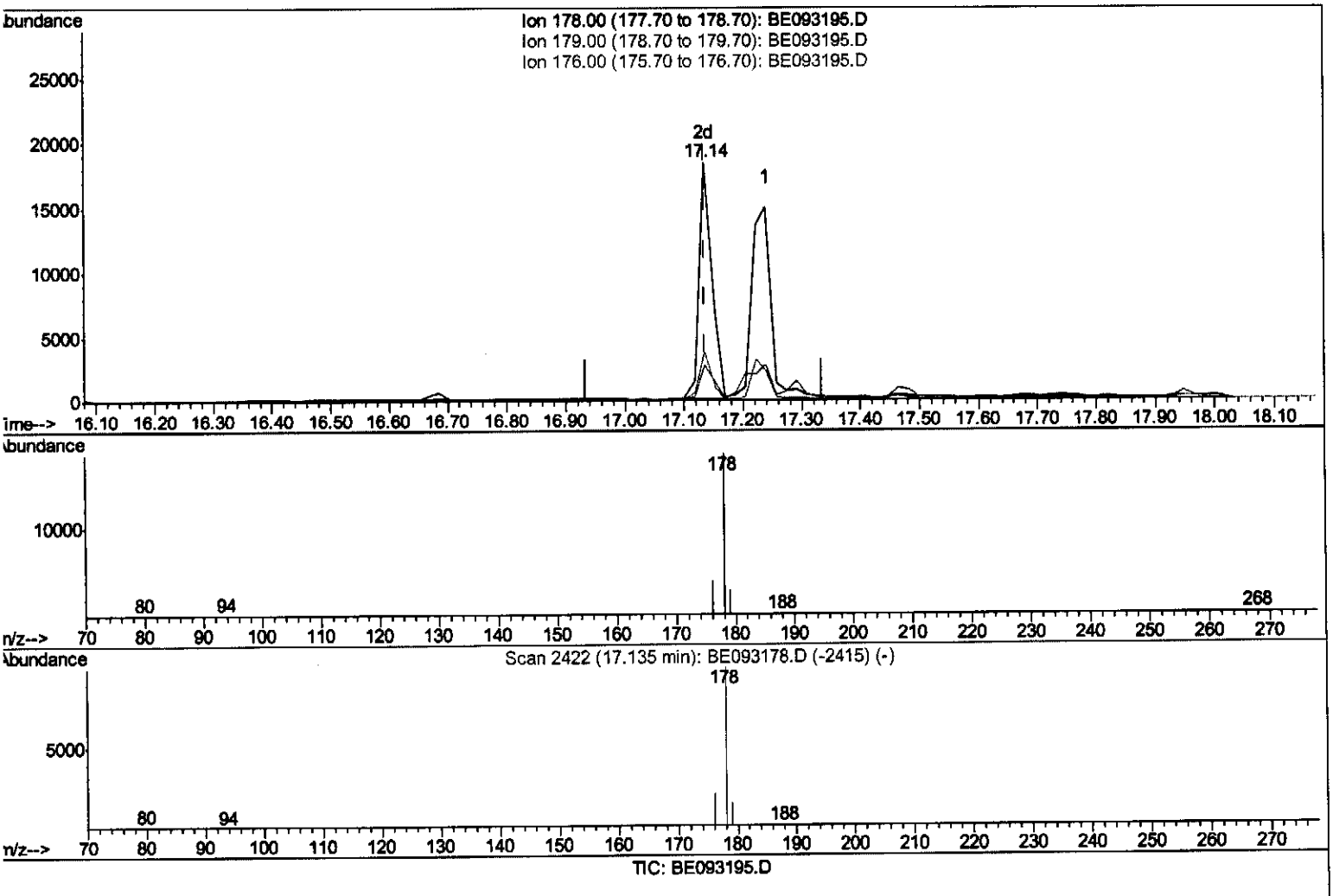
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



(12) Phenanthrene

17.135min (0.000) 0.34ng/ul m

response 27545

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	15.02#
176.00	17.00	20.69#
0.00	0.00	0.00

SJ 06/21/17

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

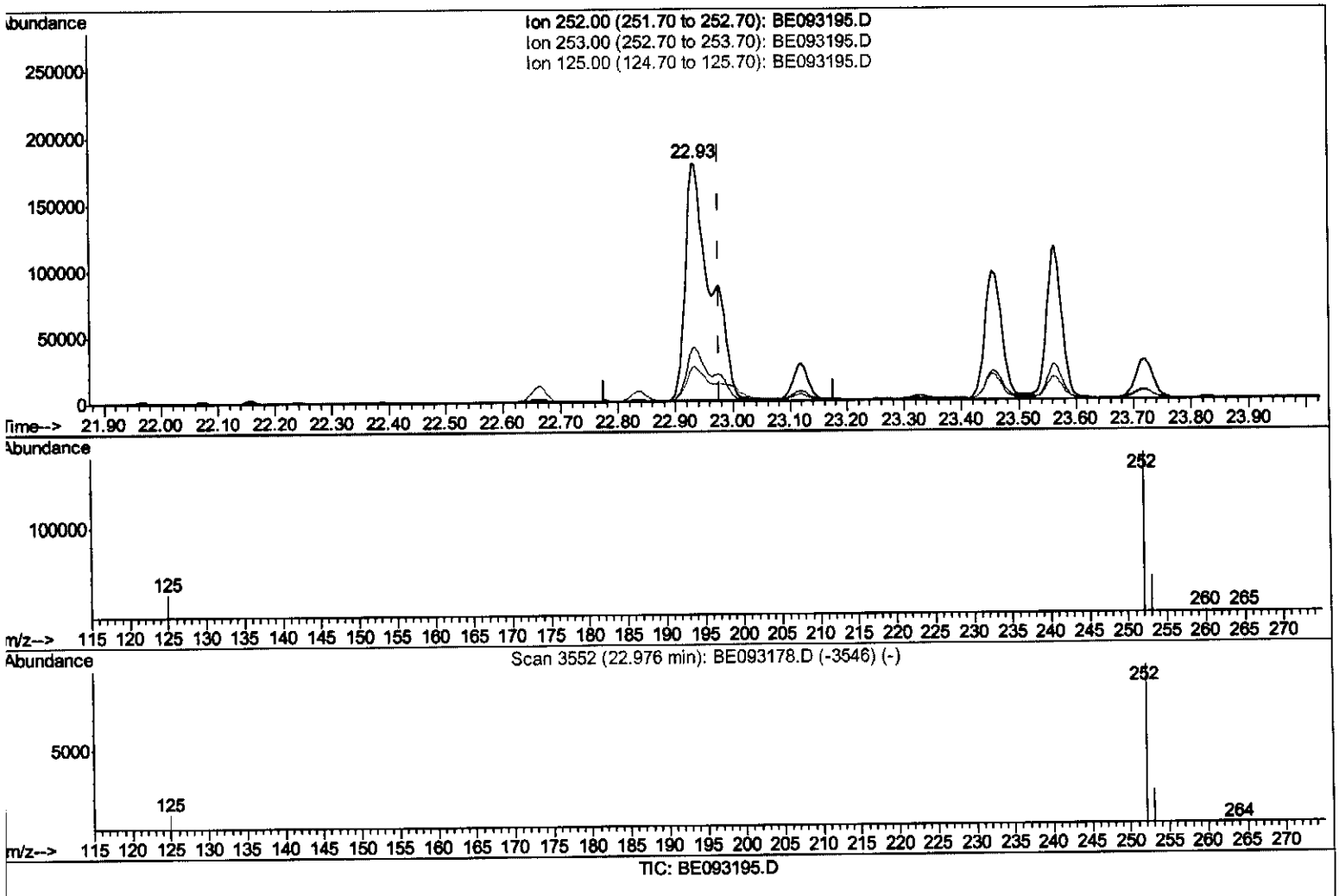
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

(22) Benzo(k)fluoranthene

22.931min (-0.046) 6.59ng/ul

response 543930

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.79#
125.00	17.10	14.35
0.00	0.00	0.00

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

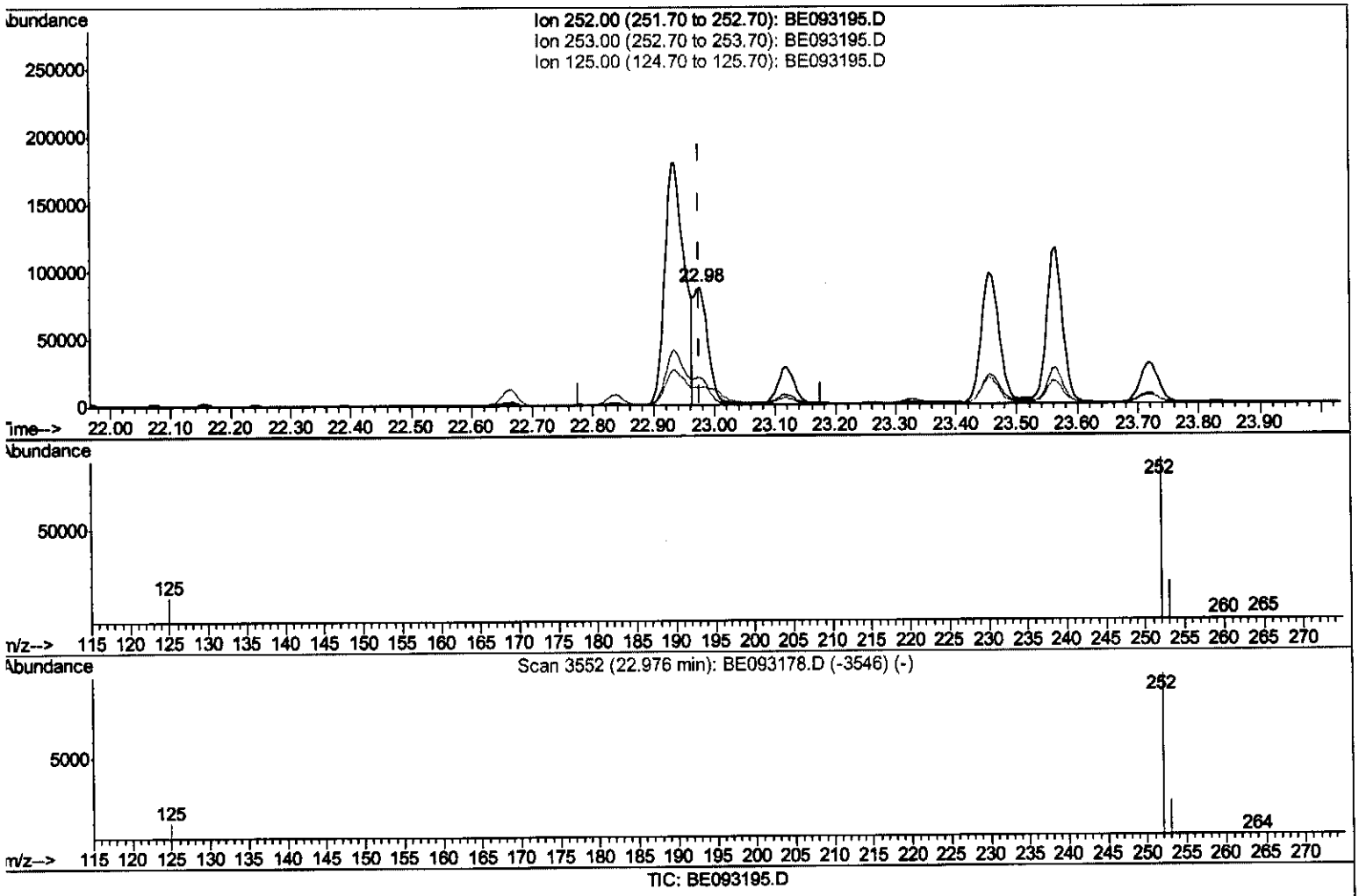
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

(22) Benzo(k)fluoranthene

22.976min (0.000) 1.71ng/ul m

response 141491

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.76#
125.00	17.10	15.12
0.00	0.00	0.00

SJ
06/21/17

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

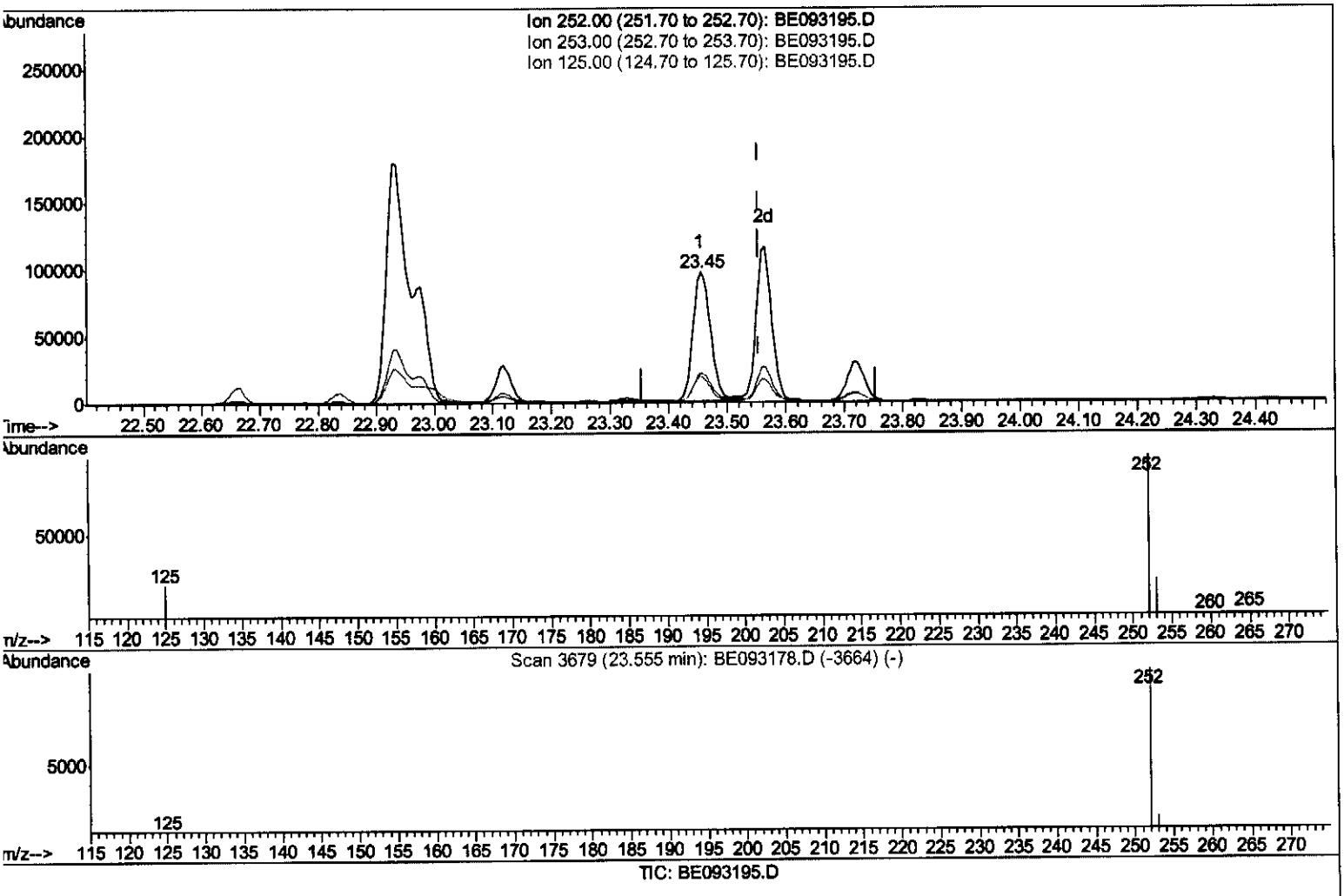
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

(23) Benzo(a)pyrene (C)

23.454min (-0.100) 2.77ng/ul

response 203518

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.38#
125.00	22.60	20.05
0.00	0.00	0.00

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

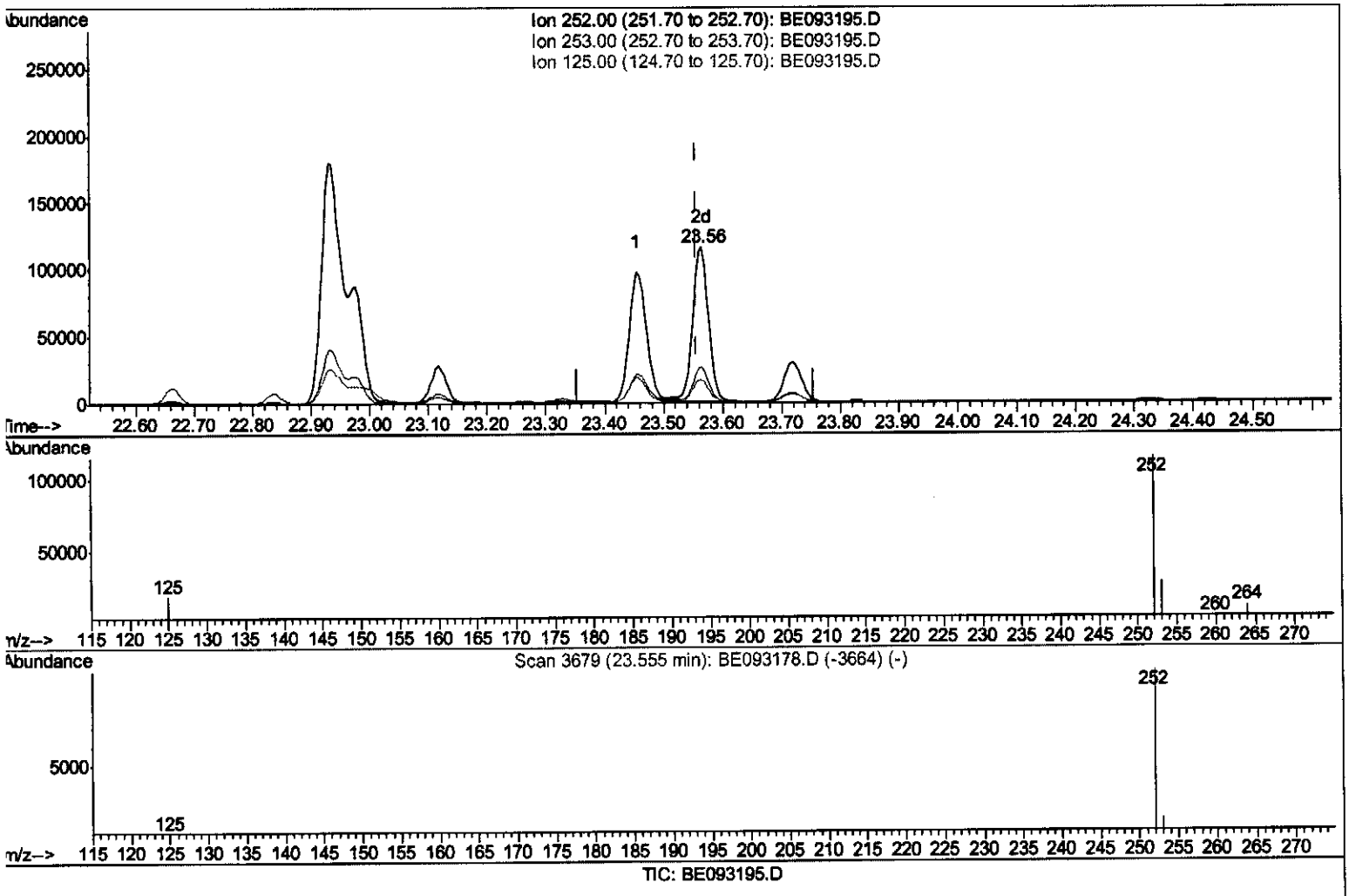
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

(23) Benzo(a)pyrene (C)

23.564min (+0.009) 2.93ng/ul m > SJ 06/21/17

response 215546

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.15#
125.00	22.60	15.00#
0.00	0.00	0.00

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

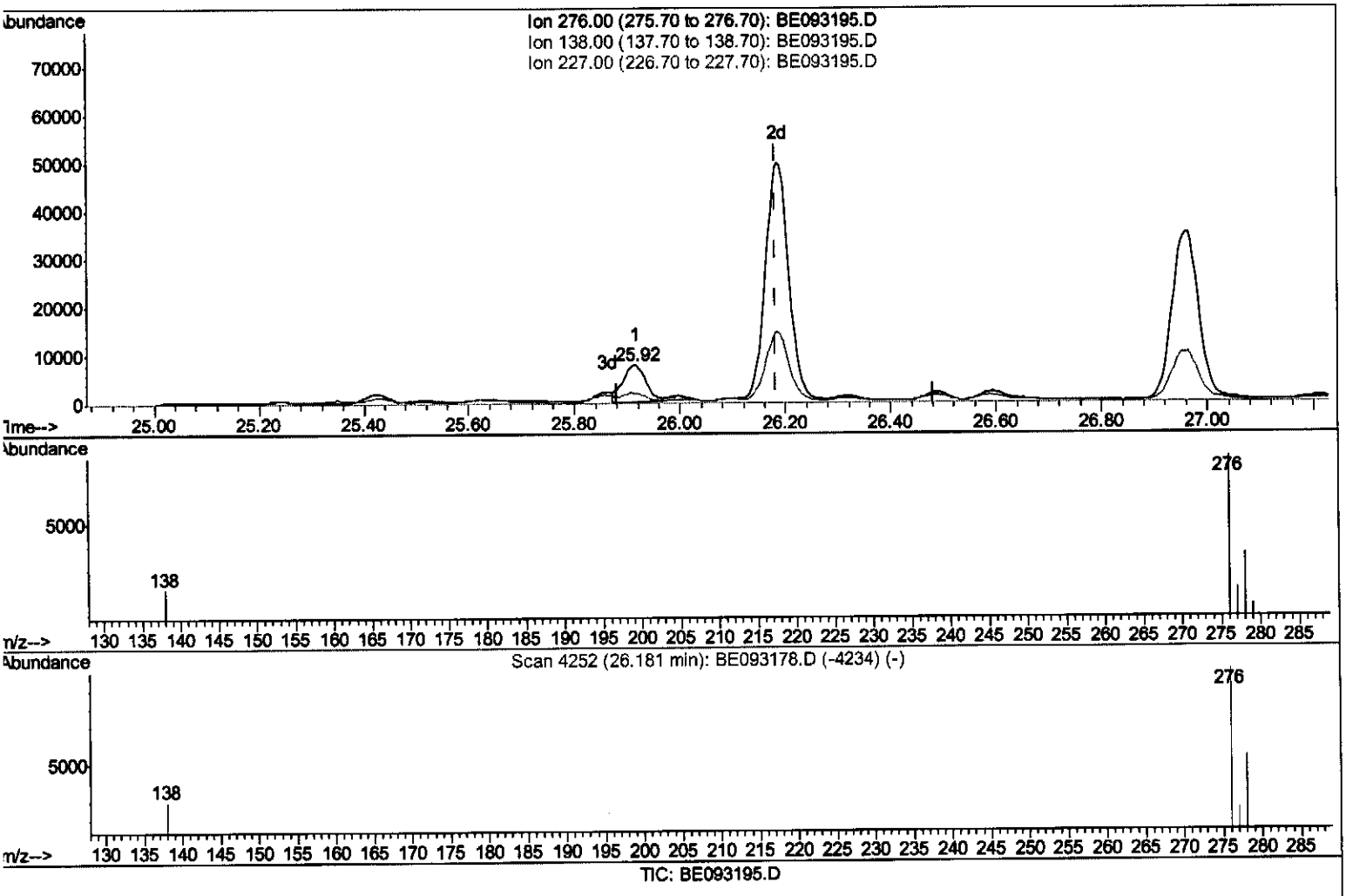
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

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

25.916min (-0.264) 0.27ng/ul

response 22877

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	20.82#
227.00	10.00	0.00#
0.00	0.00	0.00

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

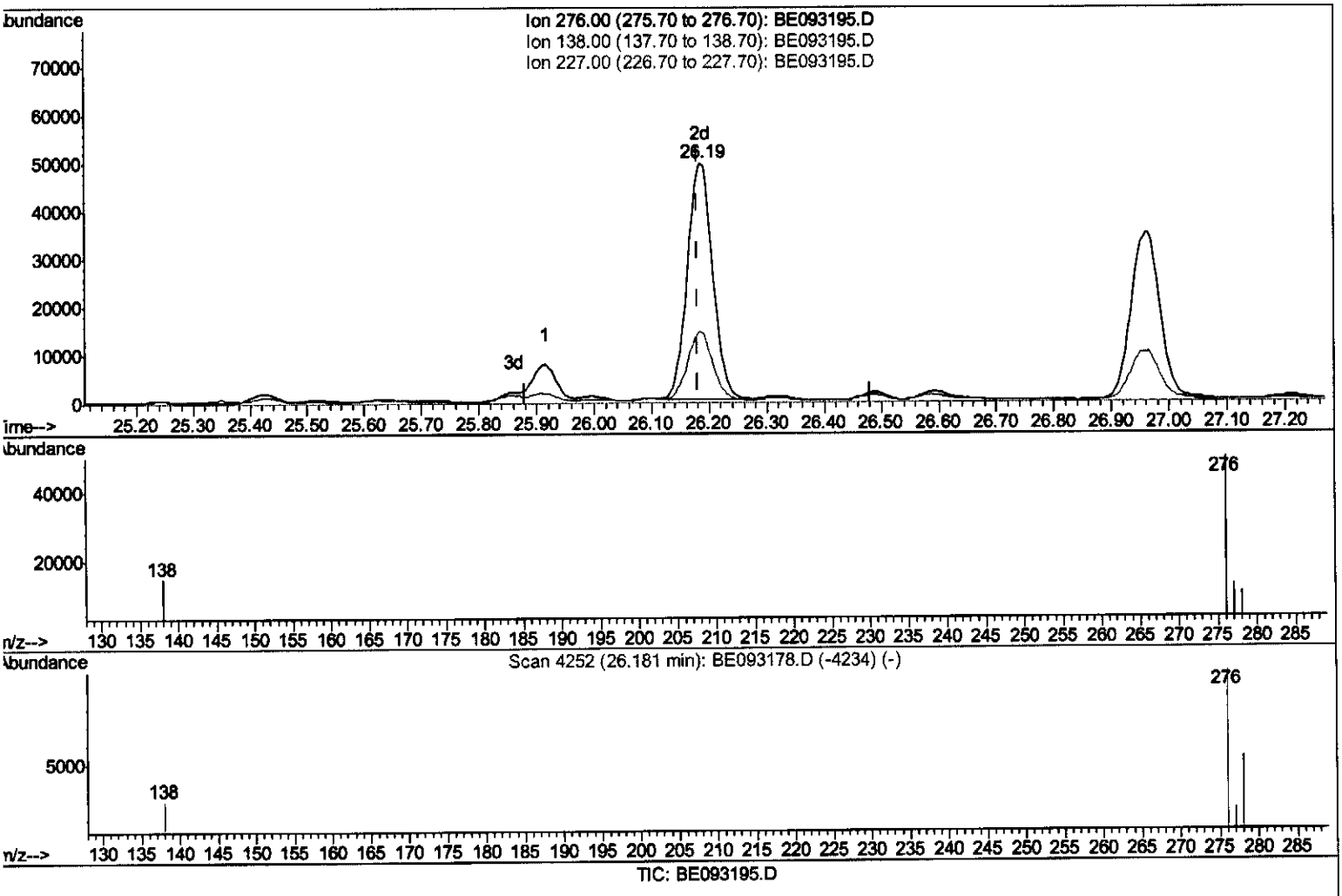
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



TIC: BE093195.D

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

26.185min (+0.005) 1.75ng/ul m

response 148662

SJ 06/21/17

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	3.20#
227.00	10.00	0.00#
0.00	0.00	0.00

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

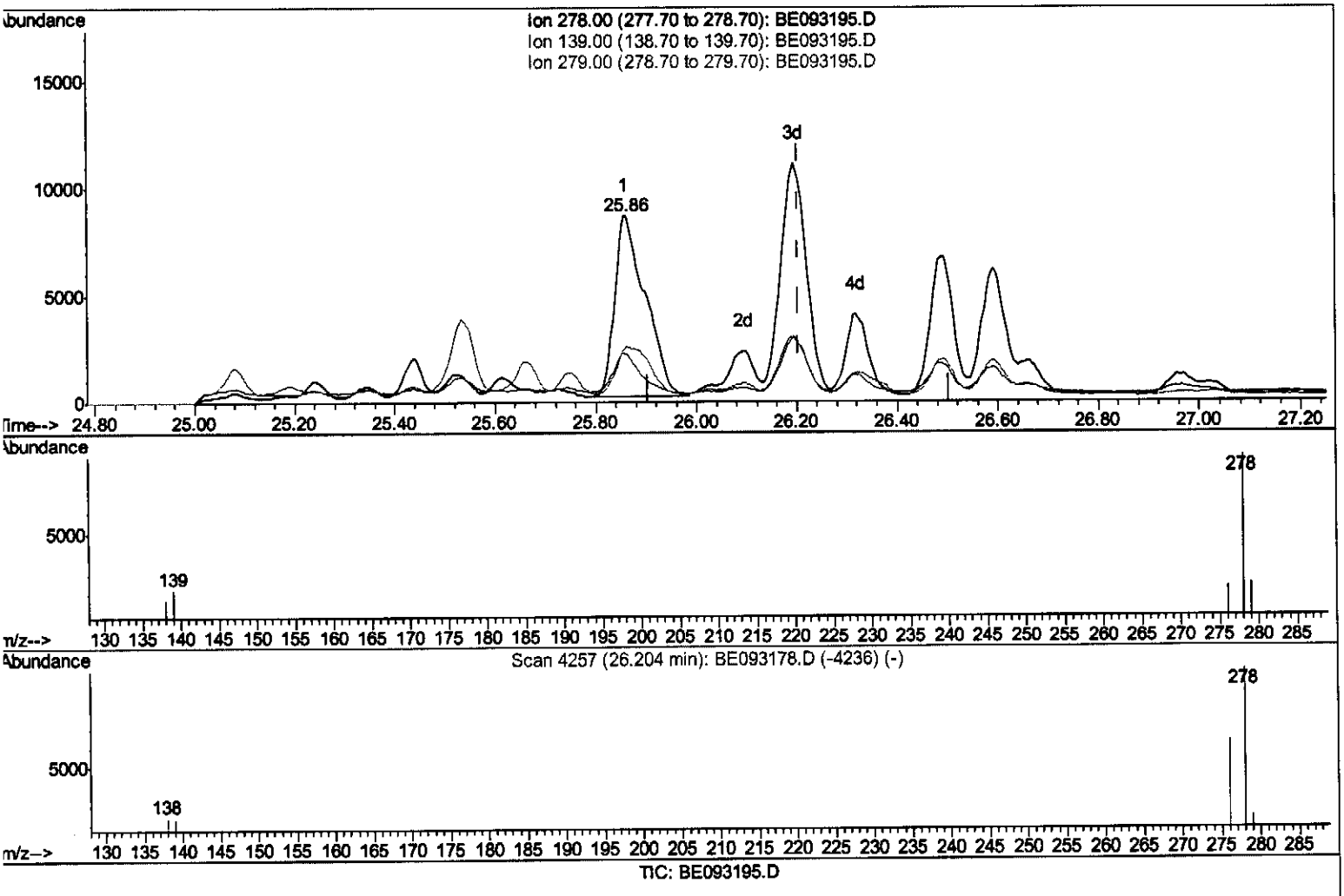
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



(25) Dibenzo(a,h)anthracene

25.857min (-0.346) 0.50ng/ul

response 35879

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	25.92
279.00	32.40	28.51
0.00	0.00	0.00

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

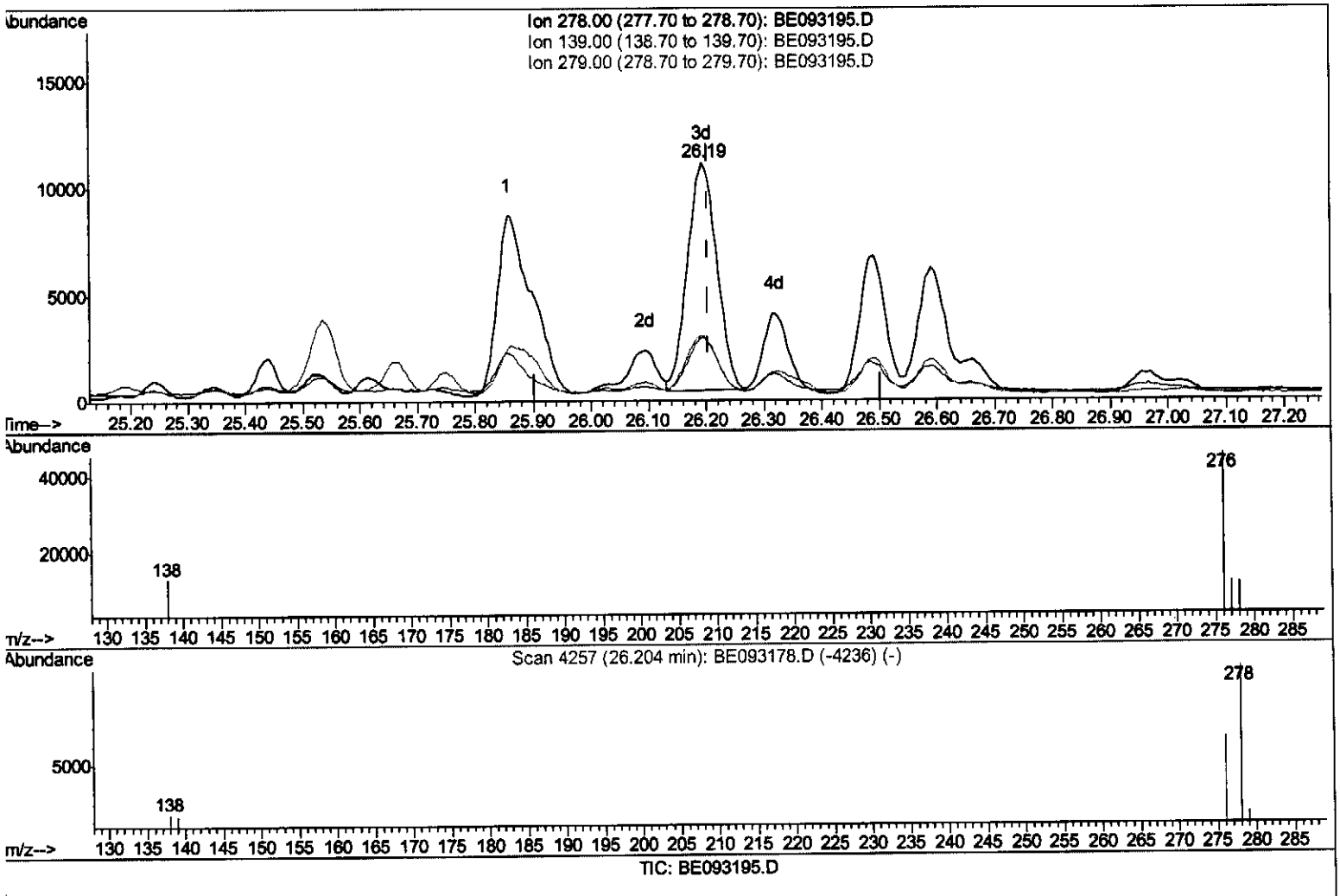
Quantitation Report (Qedit)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:32:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM



(25) Dibenzo(a,h)anthracene

26.194min (-0.009) 0.53ng/ul m

response 37753

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	26.84#
279.00	32.40	27.37
0.00	0.00	0.00

SJ
06/21/17

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

Quantitation Report (QT Reviewed)

Data File : BE093195.D
Acq On : 15 Jun 2017 6:48
Operator : SJ/MA
Sample : I3521-17
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 15 07:34:04 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 03:59:13 2017
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : F5C60

Manual Integrations APPROVED
mohammad
6/15/2017 3:54:18 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	4055	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	20753	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	12653	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	29551m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	29390	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	25609m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	8477	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	22412	0.28	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.57	128	9203	0.18	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	2370	0.07	ng/ul	99
7) Acenaphthylene	14.08	152	32985	0.61	ng/ul	96
8) Acenaphthene	14.43	153	1116	0.03	ng/ul	91
12) Phenanthrene	17.14	178	27545m	0.34	ng/ul	
13) Anthracene	17.24	178	33157	0.47	ng/ul	93
15) Fluoranthene	19.16	202	254536	2.55	ng/ul	83
17) Pyrene	19.52	202	350840	4.05	ng/ul#	85
18) Benzo(a)anthracene	21.25	228	167409	2.14	ng/ul#	84
19) Chrysene	21.30	228	202112	2.49	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	427909	5.51	ng/ul	87
22) Benzo(k)fluoranthene	22.98	252	141491m	1.71	ng/ul	
23) Benzo(a)pyrene	23.56	252	215546m	2.93	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.19	276	148662m	1.75	ng/ul	
25) Dibenzo(a,h)anthracene	26.19	278	37753m	0.53	ng/ul	
26) Benzo(g,h,i)perylene	26.96	276	123245	1.69	ng/ul	97

SJ 06/21/17

SJ 06/21/17

SJ 06/21/17

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