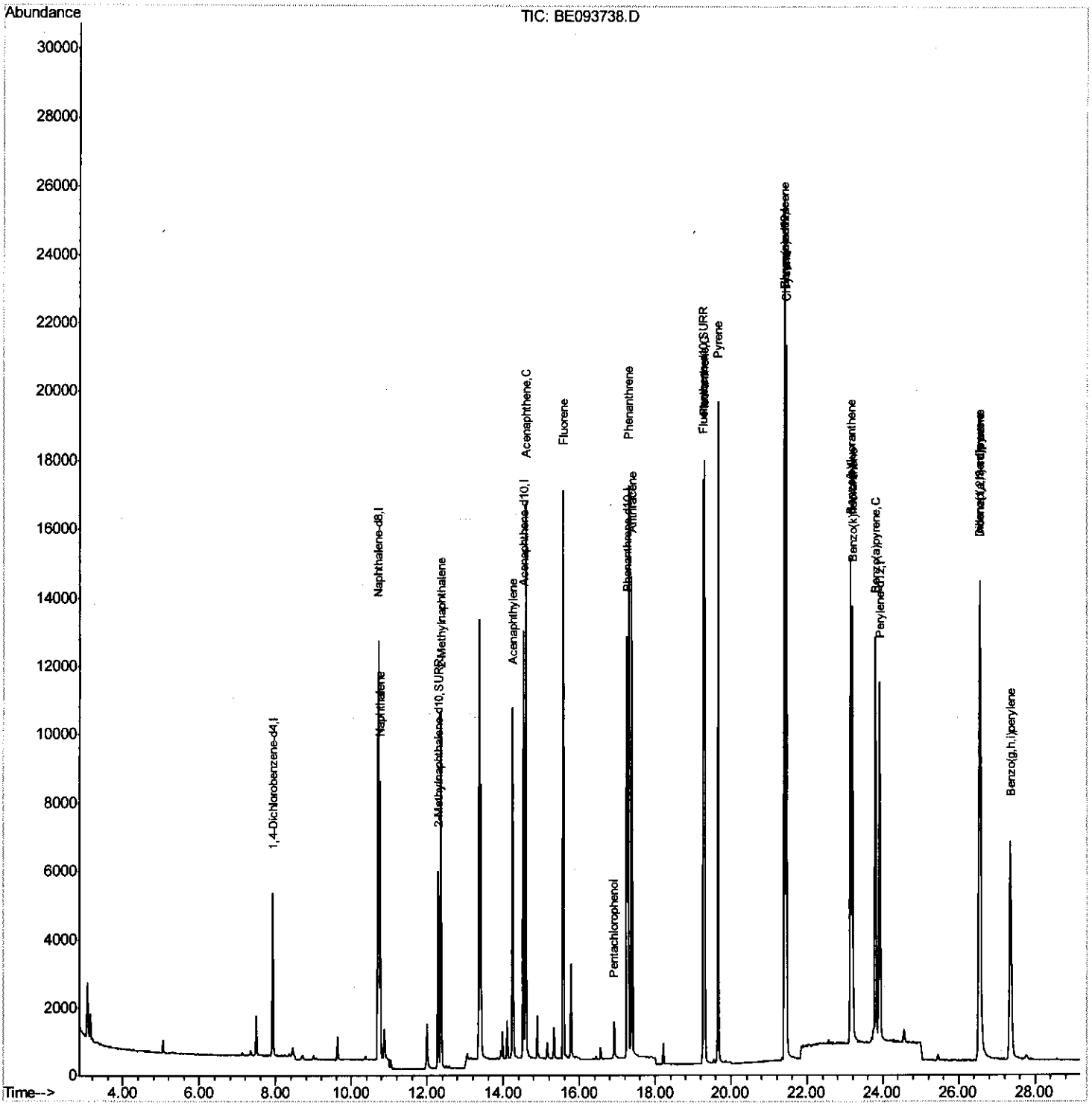
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:07:08 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM



Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:01:28 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
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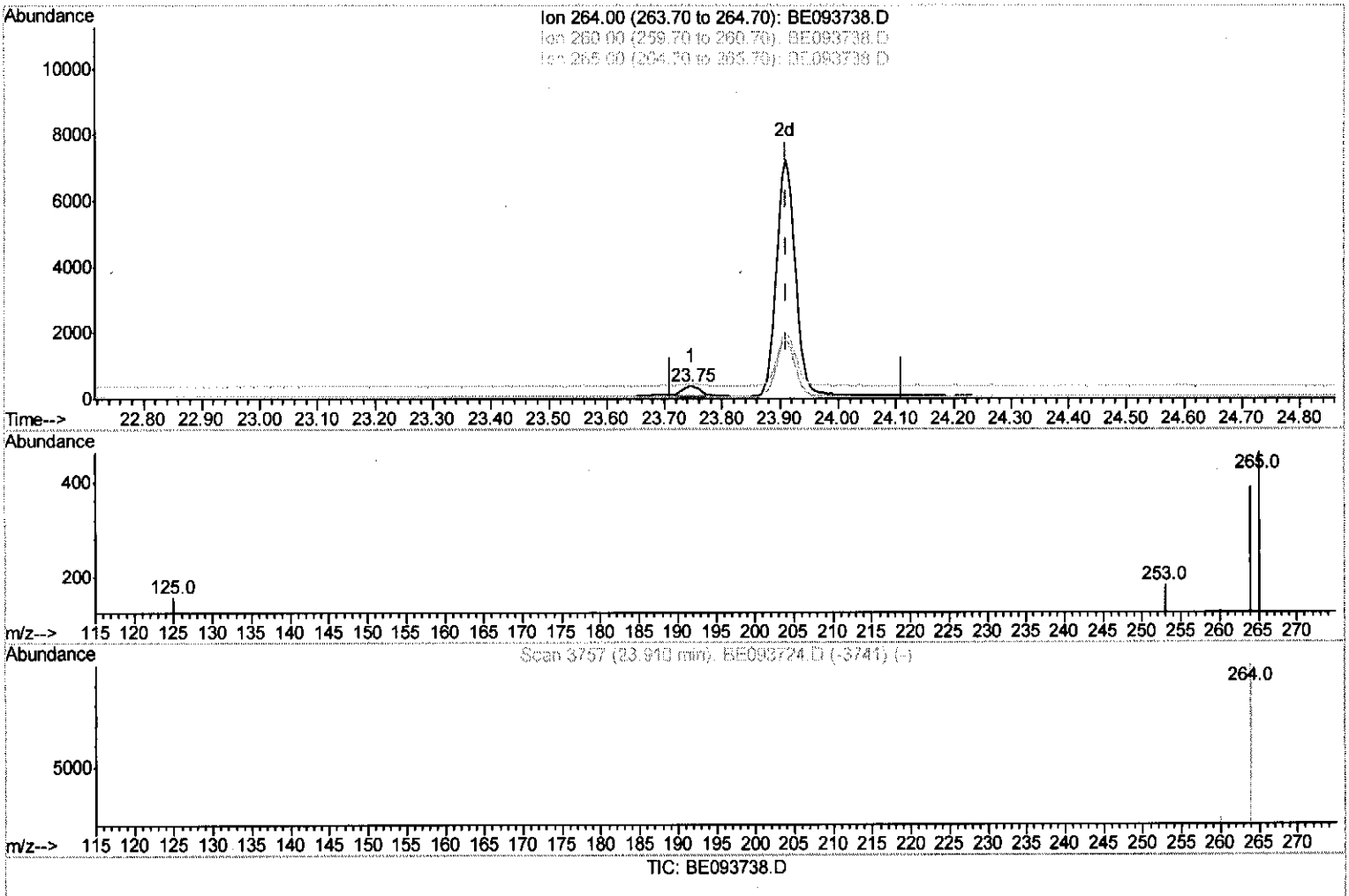


TIC: BE093738.D

(20) Perylene-d12 (I)

23.746min (-0.164) 0.40ng/ul

response 706

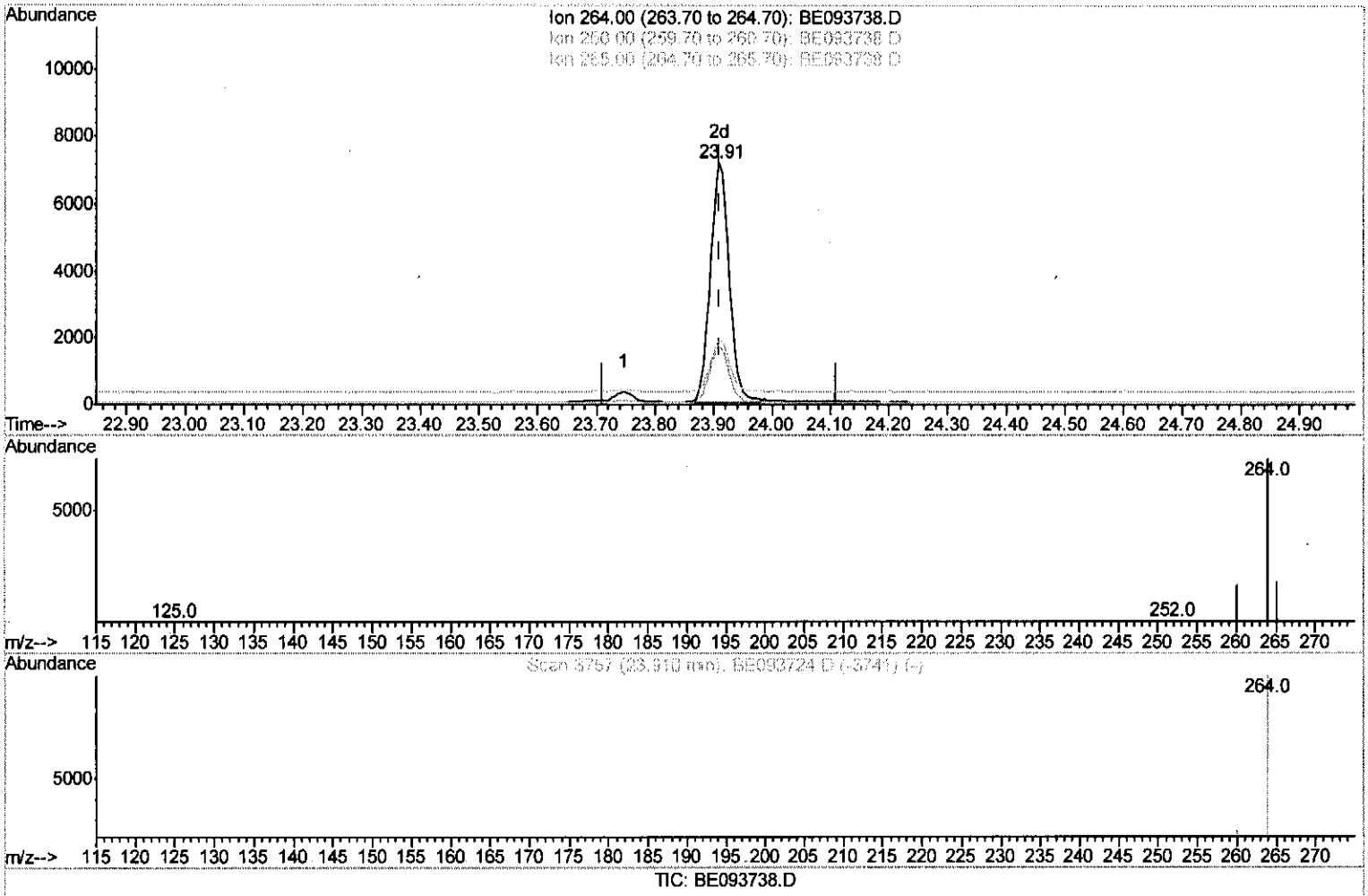
Ion	Exp%	Act%
264.00	100	100
260.00	30.10	34.02
265.00	103.50	118.81
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:01:28 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM



TIC: BE093738.D

(20) Perylene-d12 (I)

23.910min (-0.000) 0.40ng/ul m 8/14/17

response 16273

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.58
265.00	103.50	26.52#
0.00	0.00	0.00

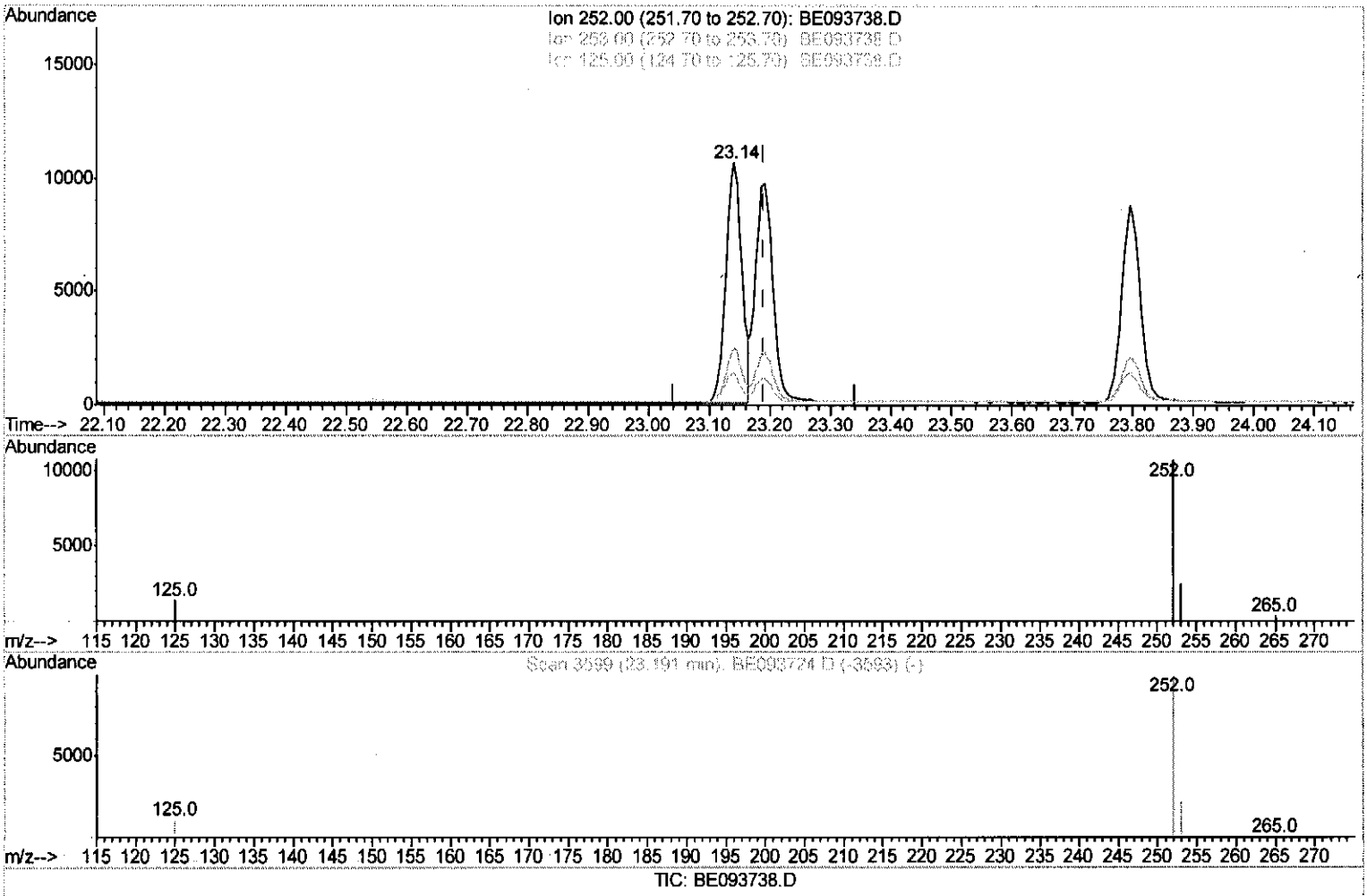
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM



TIC: BE093738.D

(22) Benzo(k)fluoranthene

23.140min (-0.050) 0.39ng/ul

response 19135

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.54#
125.00	17.10	13.35#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
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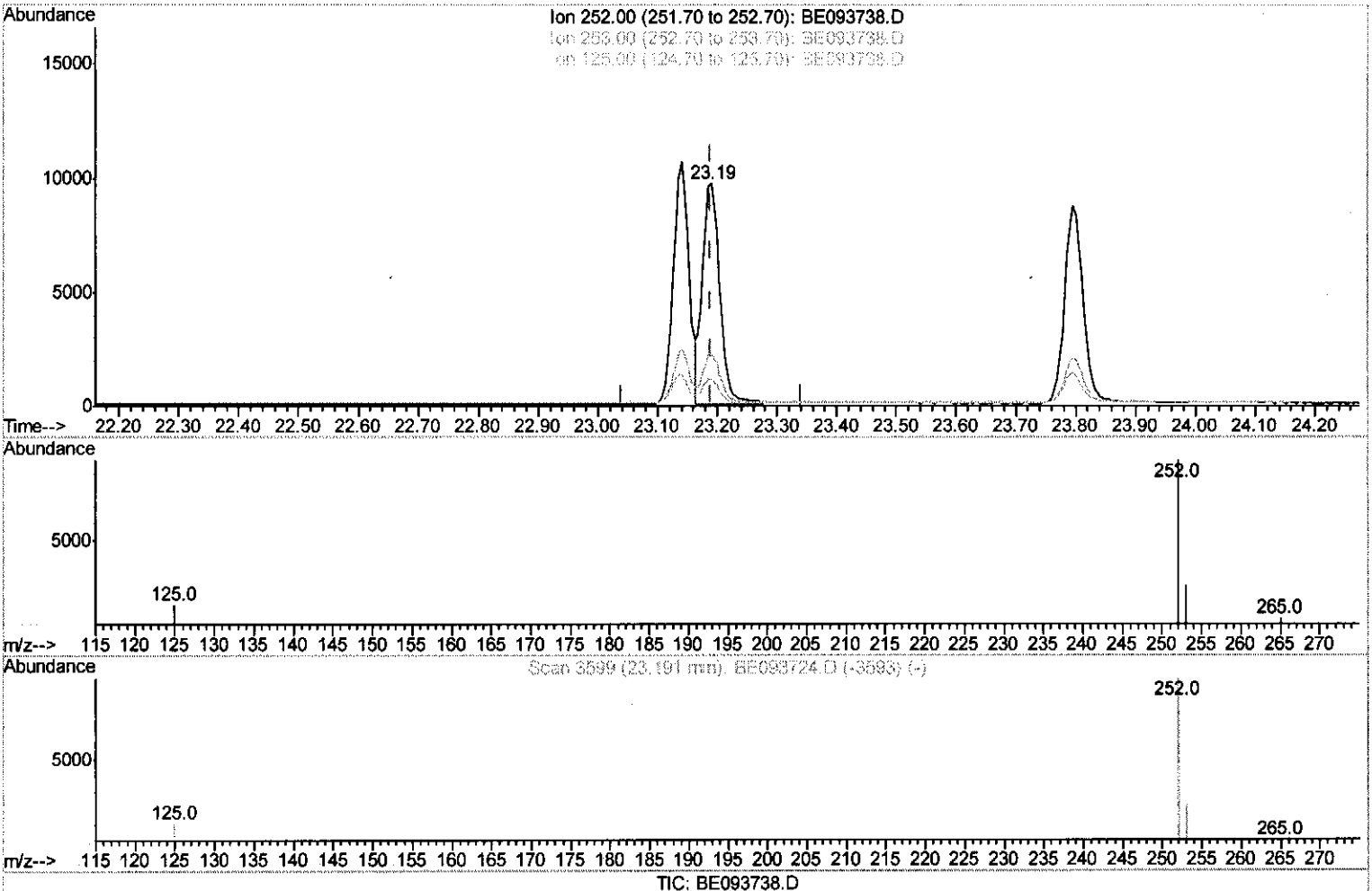

TIC: BE093738.D

(22) Benzo(k)fluoranthene

23.190min (-0.000) 0.40ng/ul m 8/14/17

response 19679

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.74#
125.00	17.10	12.06#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
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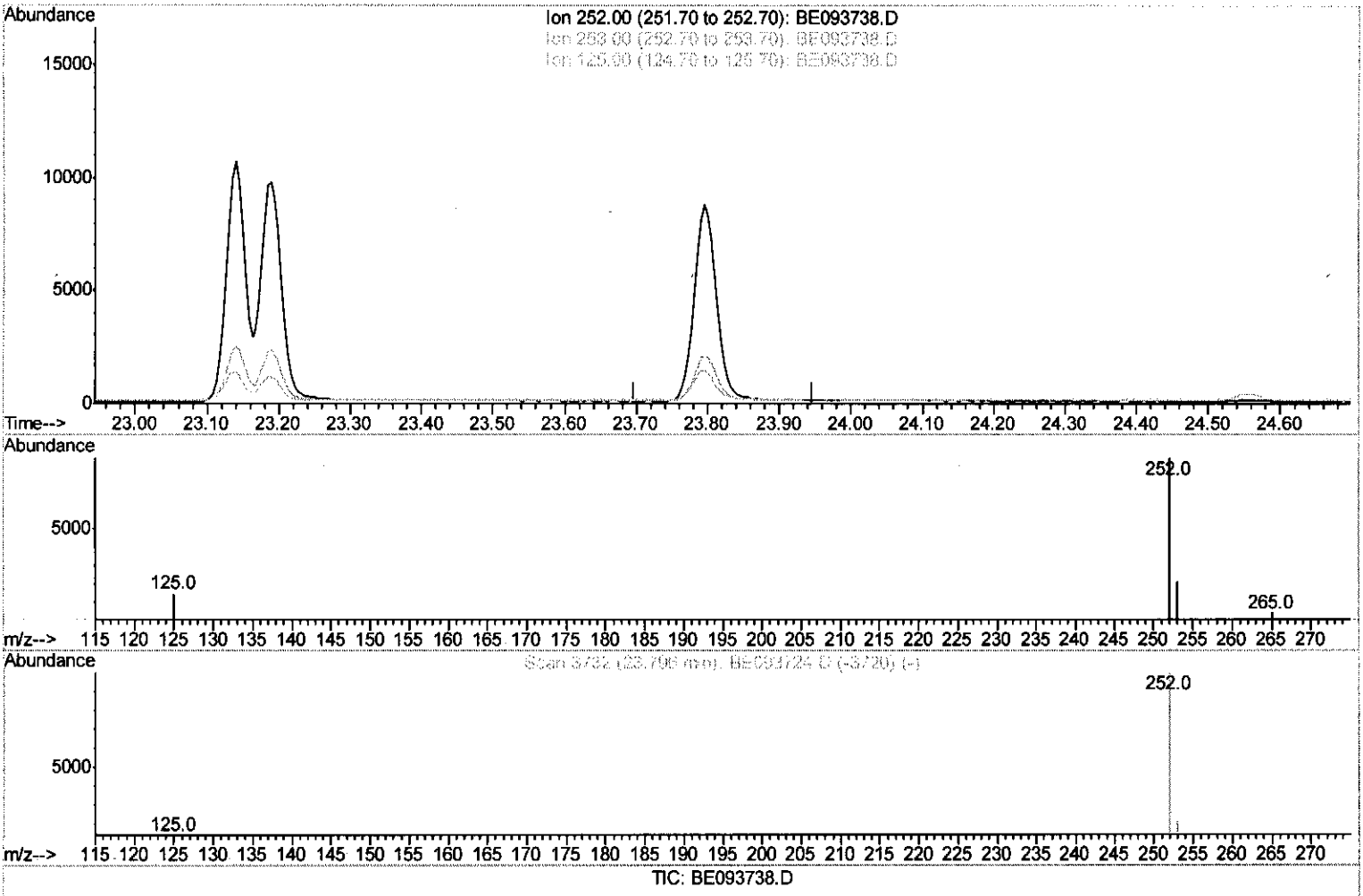


TIC: BE093738.D

(23) Benzo(a)pyrene (C)

23.796min (-23.796) 0.00ng/ul

response 0

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

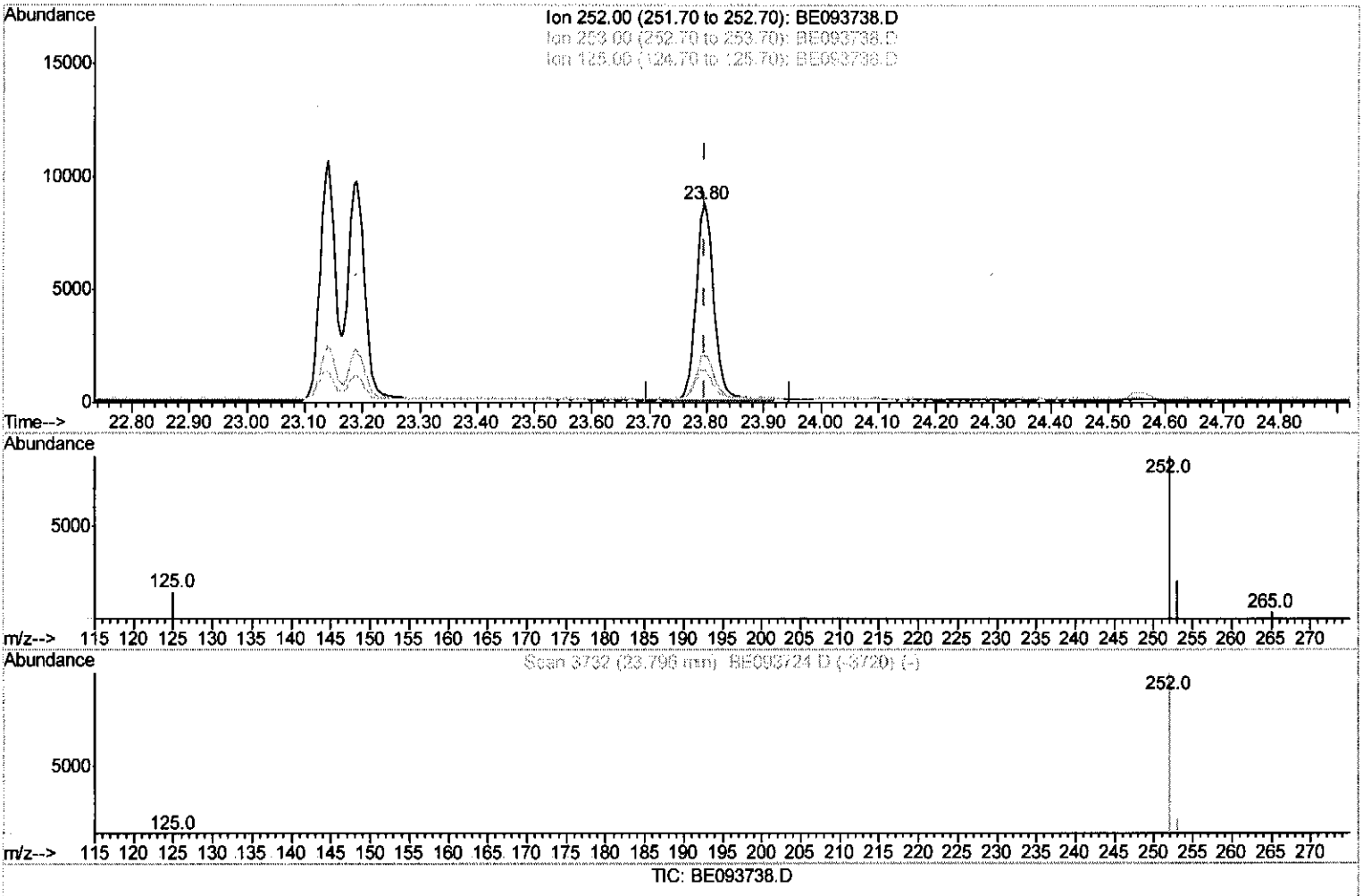
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM



TIC: BE093738.D

(23) Benzo(a)pyrene (C)

23.796min (-0.000) 0.40ng/ul m

response 19005

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.97#
125.00	22.60	16.42#
0.00	0.00	0.00

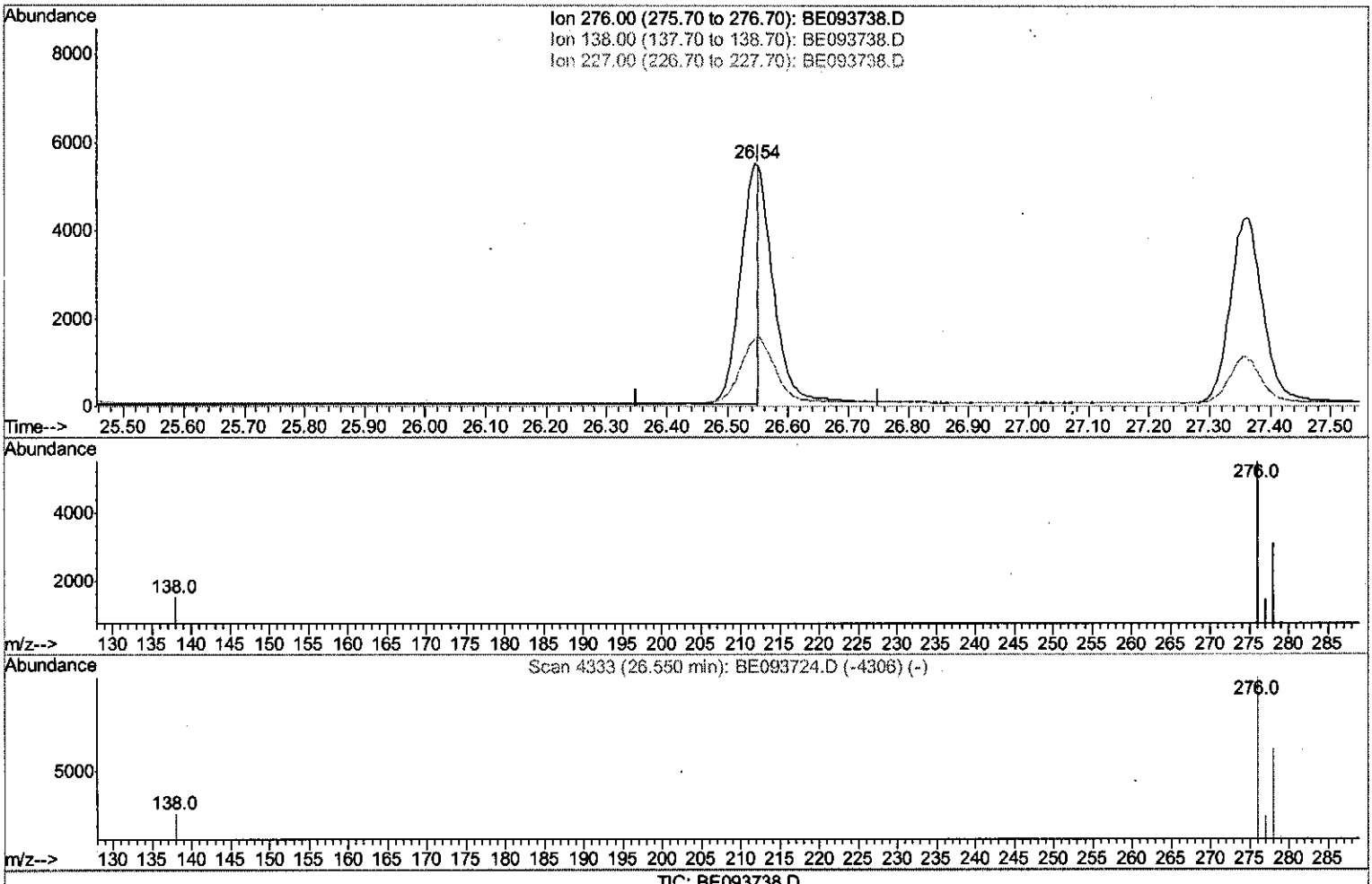
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM



TIC: BE093738.D

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

26.545min (-0.005) 0.21ng/ul

response 11086

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

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
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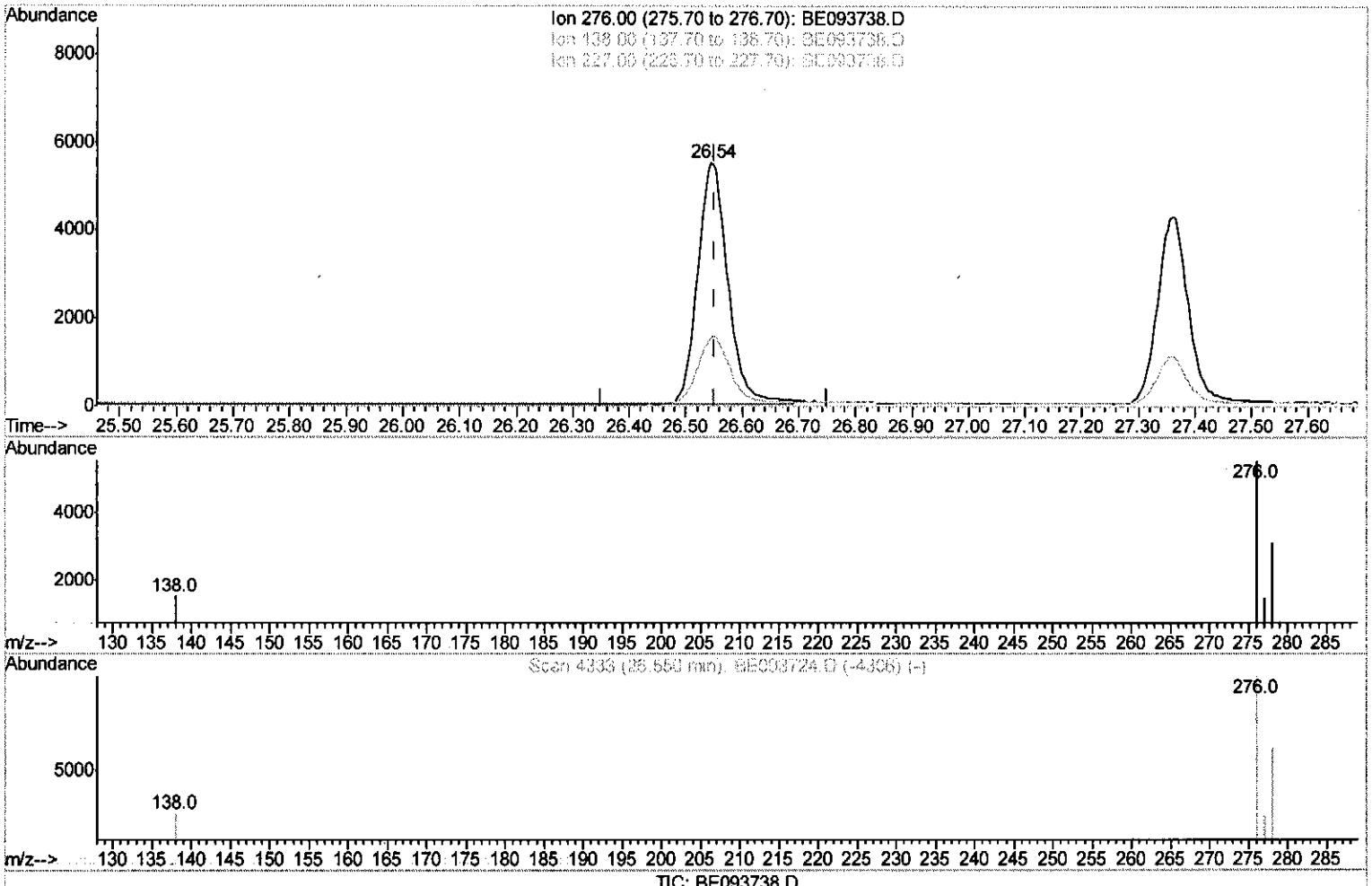


TIC: BE093738.D

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

26.545min (-0.005) 0.38ng/ul m

response 20328

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

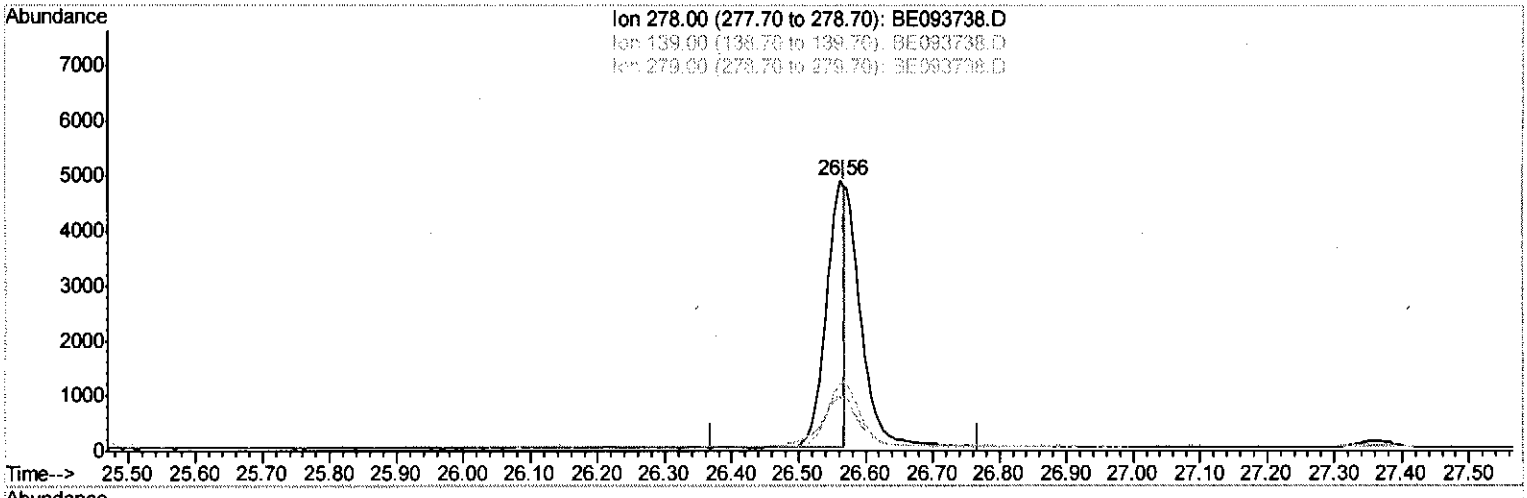
Quantitation Report (Qedit)

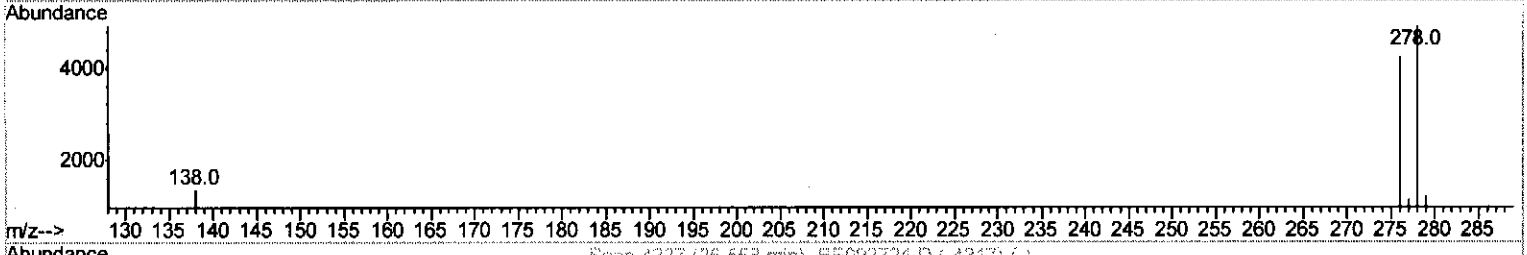
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

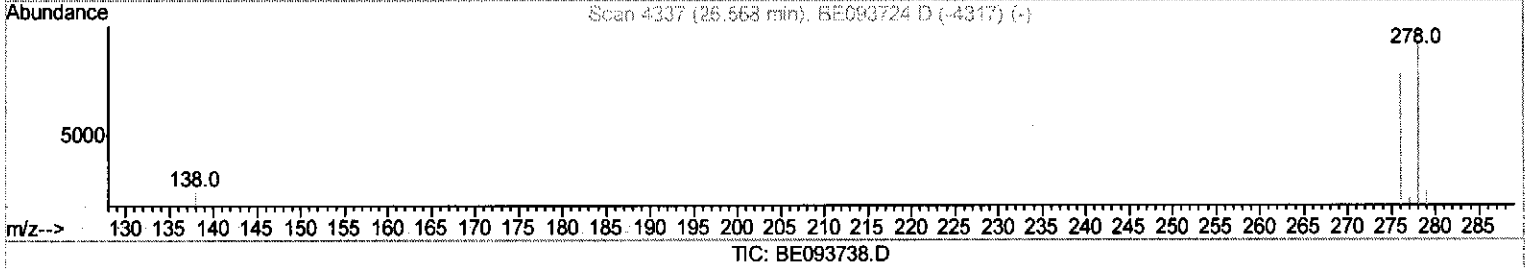
Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM







TIC: BE093738.D

(25) Dibenzo(a,h)anthracene

26.563min (-0.005) 0.20ng/ul

response 8979

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.59
279.00	32.40	24.77#
0.00	0.00	0.00

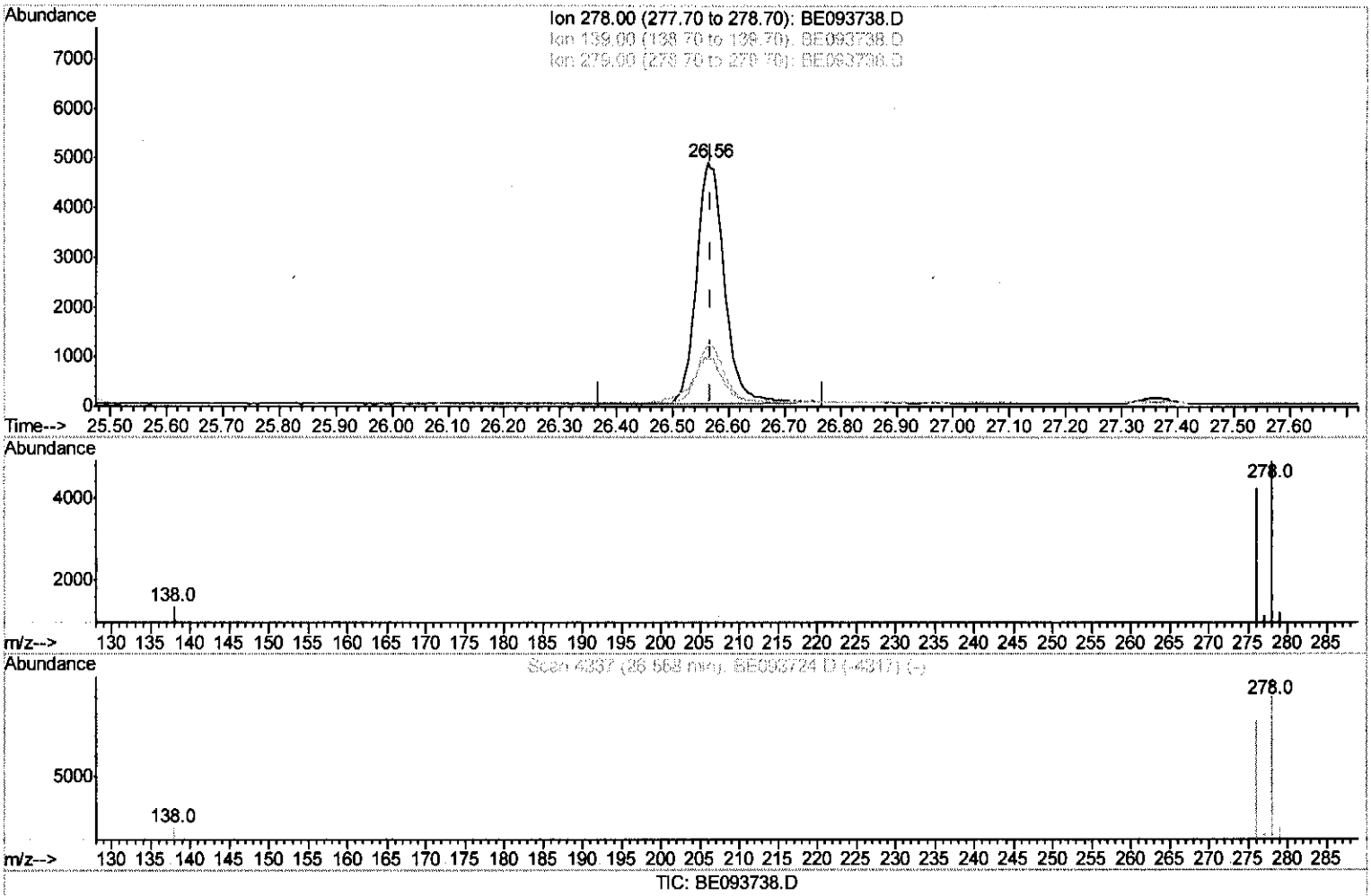
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM



TIC: BE093738.D

(25) Dibenzo(a,h)anthracene

26.563min (-0.005) 0.38ng/ul m 8/14/17

response 16953

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.59
279.00	32.40	24.77#
0.00	0.00	0.00

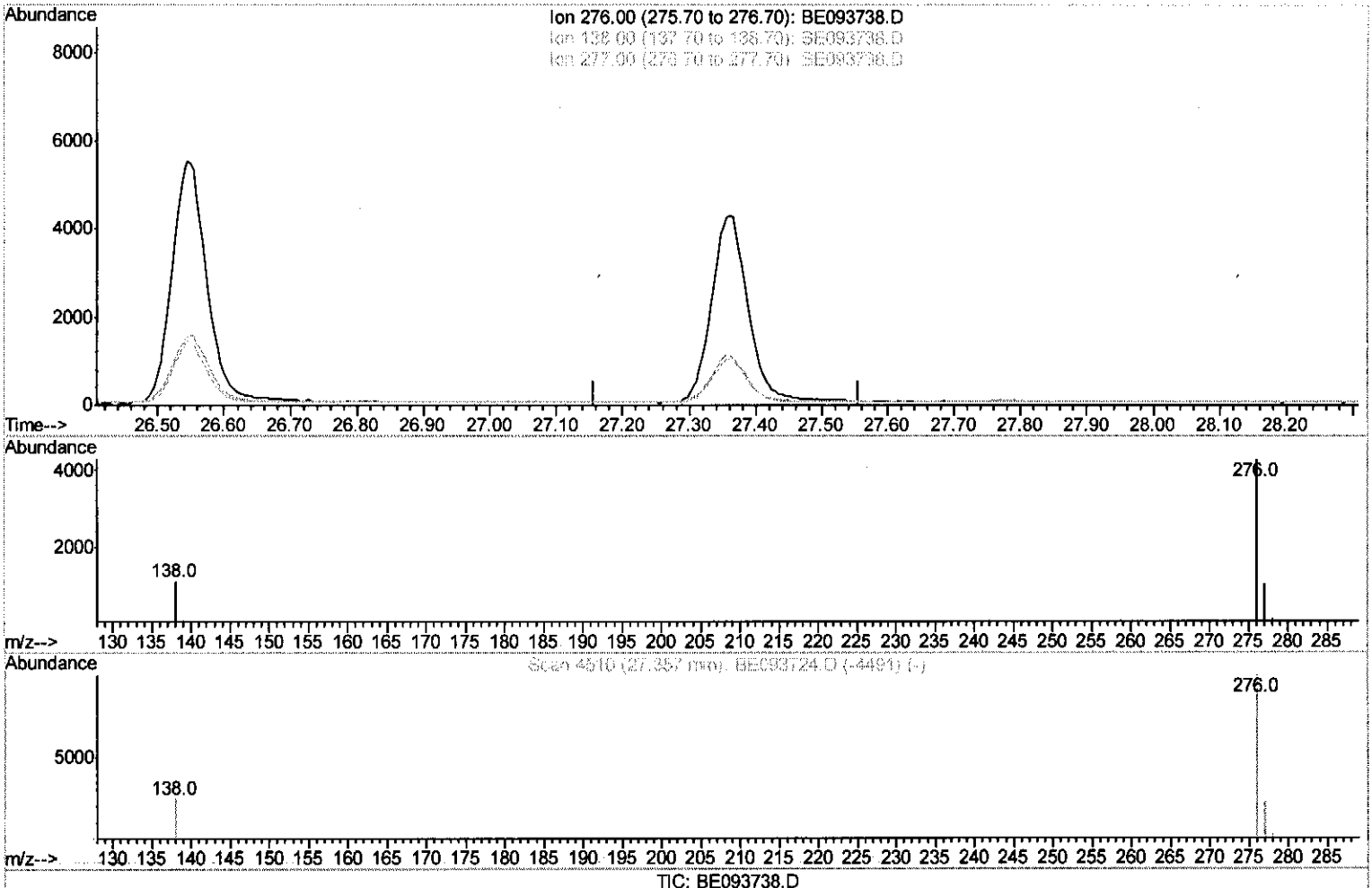
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM



TIC: BE093738.D

(26) Benzo(g,h,i)perylene

27.357min (-27.357) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
138.00	27.30	0.00#
277.00	25.60	0.00#
0.00	0.00	0.00

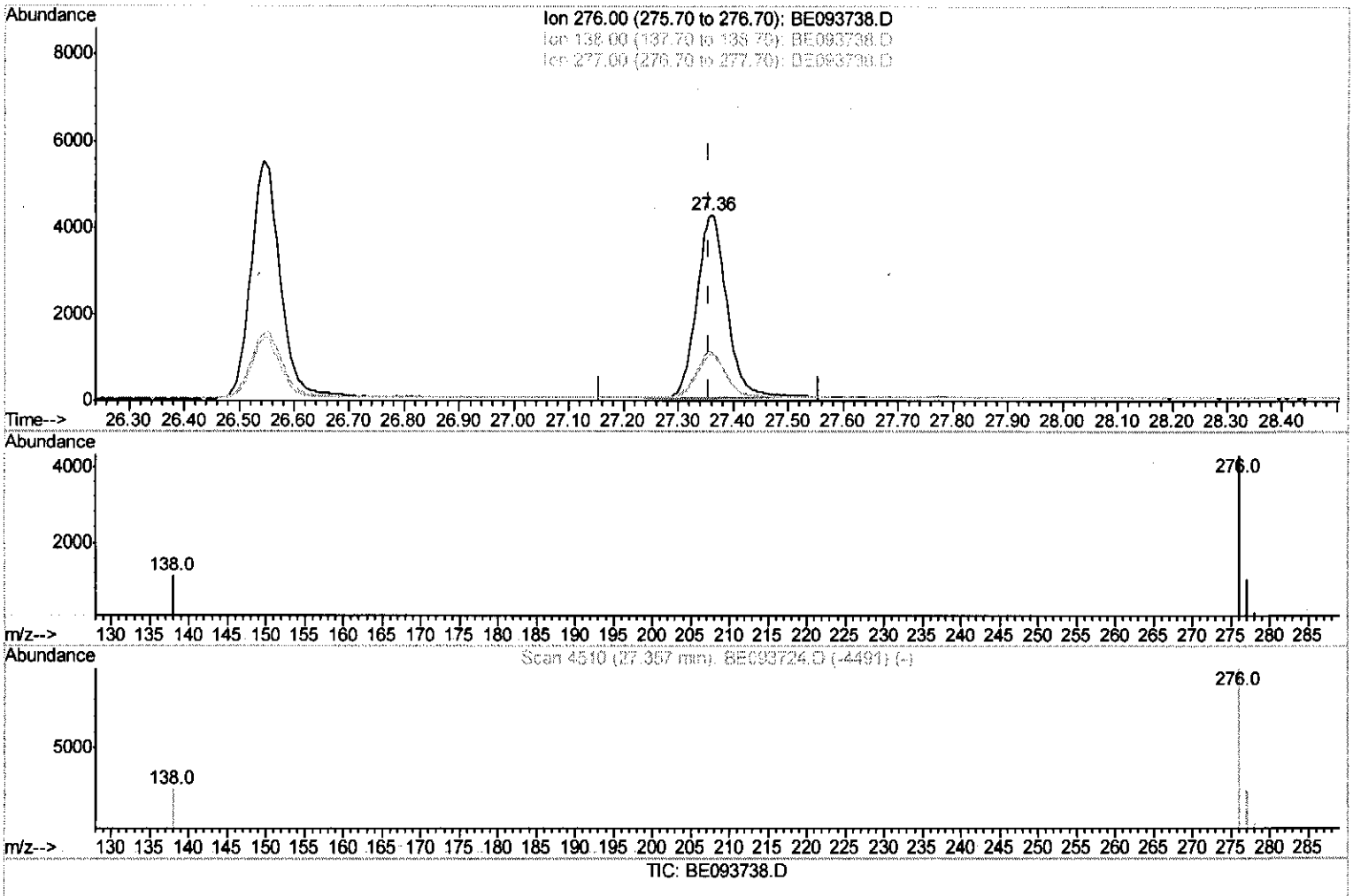
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:03:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument :
BNA_E
LabSampleId :
SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM



TIC: BE093738.D

(26) Benzo(g,h,i)perylene

27.360min (+0.004) 0.36ng/ul m

response 16188

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.47
277.00	25.60	24.61
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080817\
Data File : BE093738.D
Acq On : 9 Aug 2017 3:56
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 07:07:08 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 05:31:57 2017
Response via : Initial Calibration

Instrument : BNA_E
LabSampleId : SSTD0.446

Manual Integrations APPROVED
Sohil
8/9/2017 7:15:12 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2482	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	12950	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	7465	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	17282	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	18062	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	16273m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	8358	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	19239	0.35	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.75	128	12904	0.410	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	9100	0.396	ng/ul	98
7) Acenaphthylene	14.24	152	13036	0.417	ng/ul	95
8) Acenaphthene	14.59	153	9795	0.399	ng/ul	98
9) Fluorene	15.57	166	11454	0.369	ng/ul#	95
11) Pentachlorophenol	16.91	266	1040	0.365	ng/ul	99
12) Phenanthrene	17.29	178	18463	0.392	ng/ul#	89
13) Anthracene	17.38	178	17653	0.385	ng/ul#	89
15) Fluoranthene	19.30	202	20577	0.350	ng/ul	84
17) Pyrene	19.66	202	21303	0.404	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	20315	0.388	ng/ul#	86
19) Chrysene	21.45	228	19874	0.396	ng/ul	97
21) Benzo(b)fluoranthene	23.14	252	19135	0.380	ng/ul	87
22) Benzo(k)fluoranthene	23.19	252	19679m	0.396	ng/ul	
23) Benzo(a)pyrene	23.80	252	19005m	0.397	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.54	276	20328m	0.385	ng/ul	
25) Dibenzo(a,h)anthracene	26.56	278	16953m	0.384	ng/ul	
26) Benzo(g,h,i)perylene	27.36	276	16188m	0.363	ng/ul	

JU 8/4/17

JU 8/4/17

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