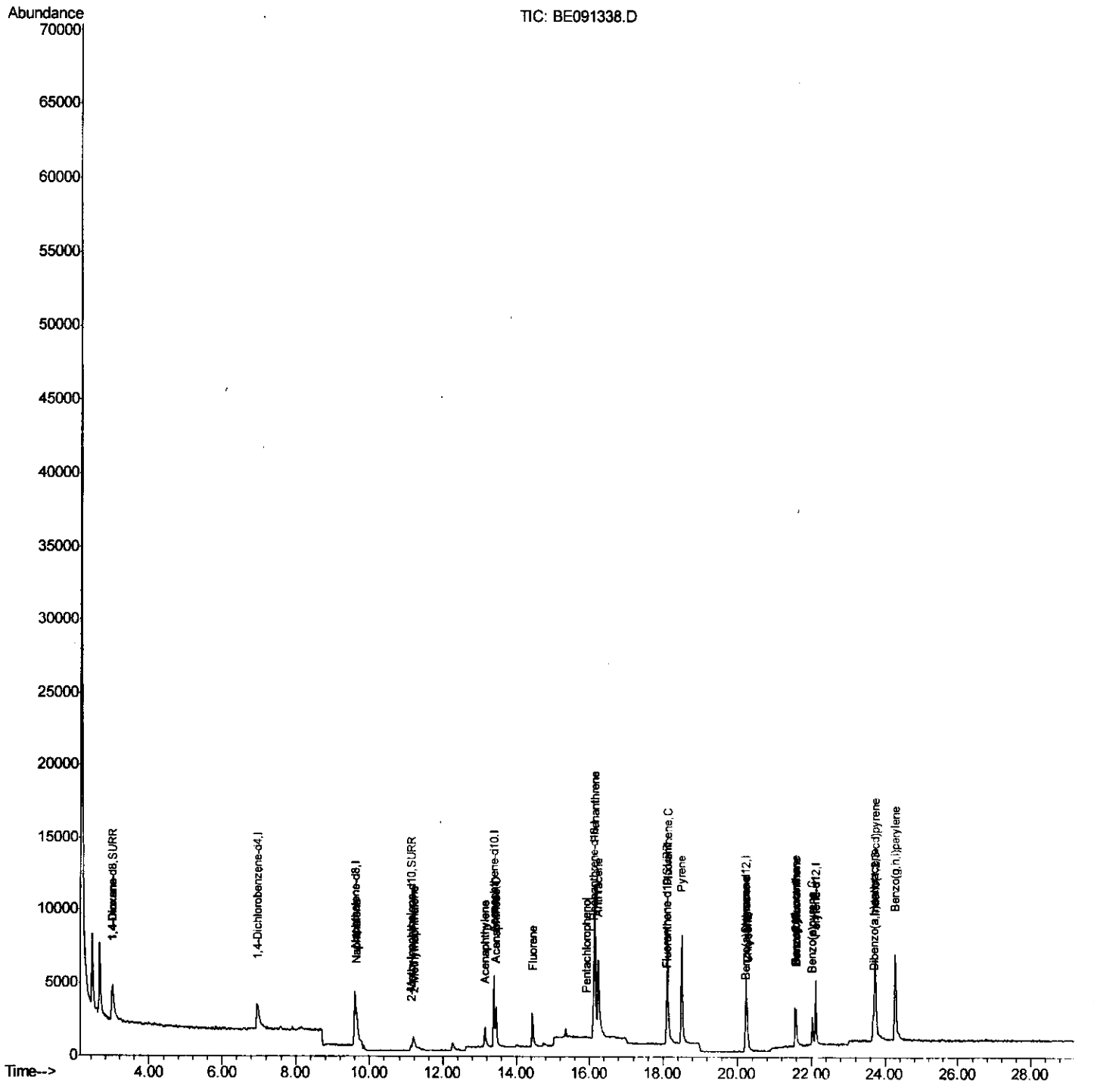
Quantitation Report (QT Reviewed)

Instrument :
BNA_E
ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:09 PM

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
Data File : BE091338.D
Acq On : 15 Dec 2015 1:05
Operator : UM/SJ
Sample : SSTD0.272
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 04:42:04 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 04:30:27 2015
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
Data File : BE091338.D
Acq On : 15 Dec 2015 1:05
Operator : UM/SJ
Sample : SSTD0.272
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 04:36:47 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 04:30:27 2015
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Instrument :
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ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
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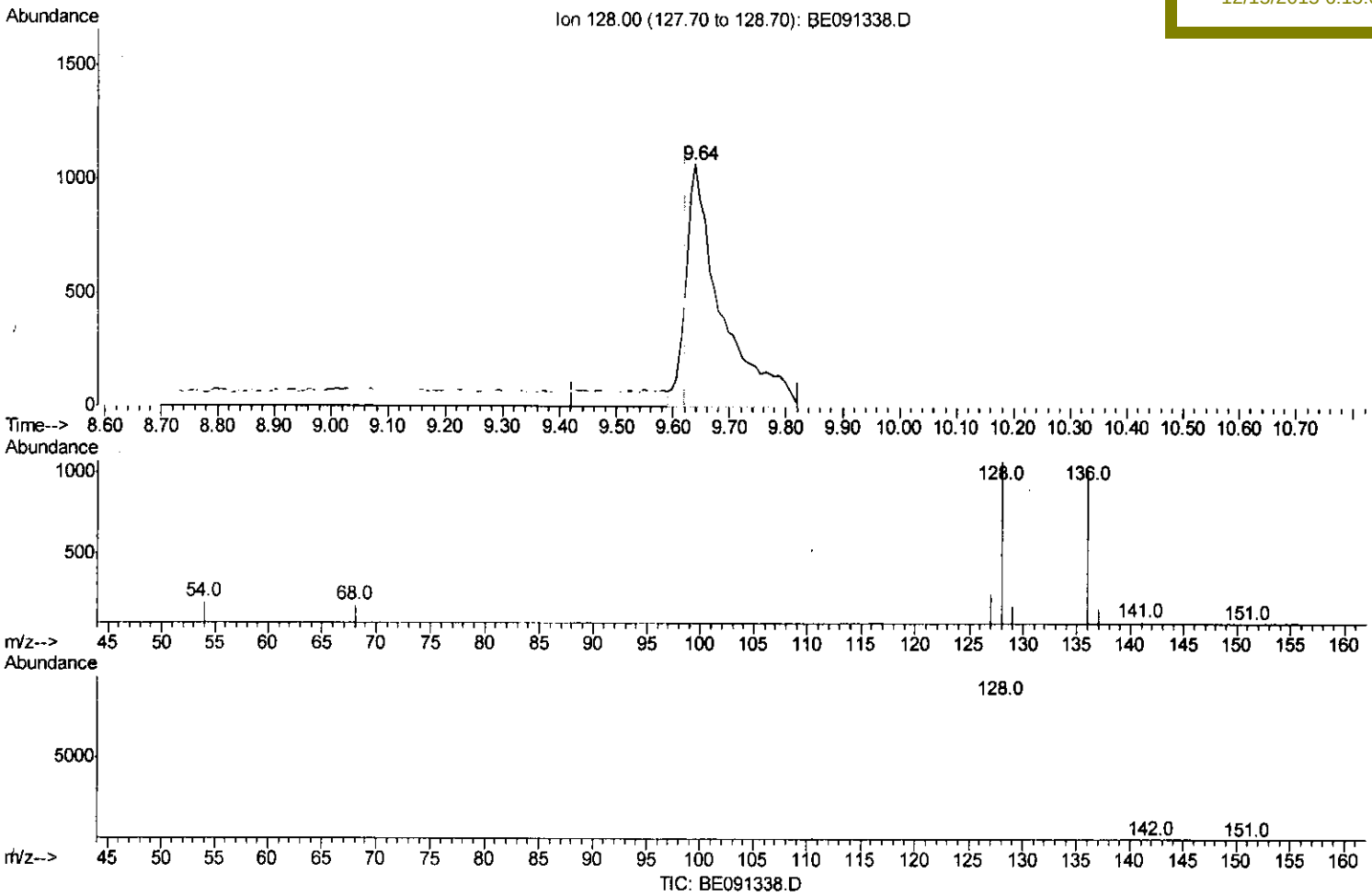

TIC: BE091338.D

(5) Naphthalene

9.639min (+0.017) 0.23ng/ul

response 5032

Ion	Exp%	Act%
128.00	100	100
129.00	13.70	16.68#
127.00	17.90	23.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Operator : UM/SJ
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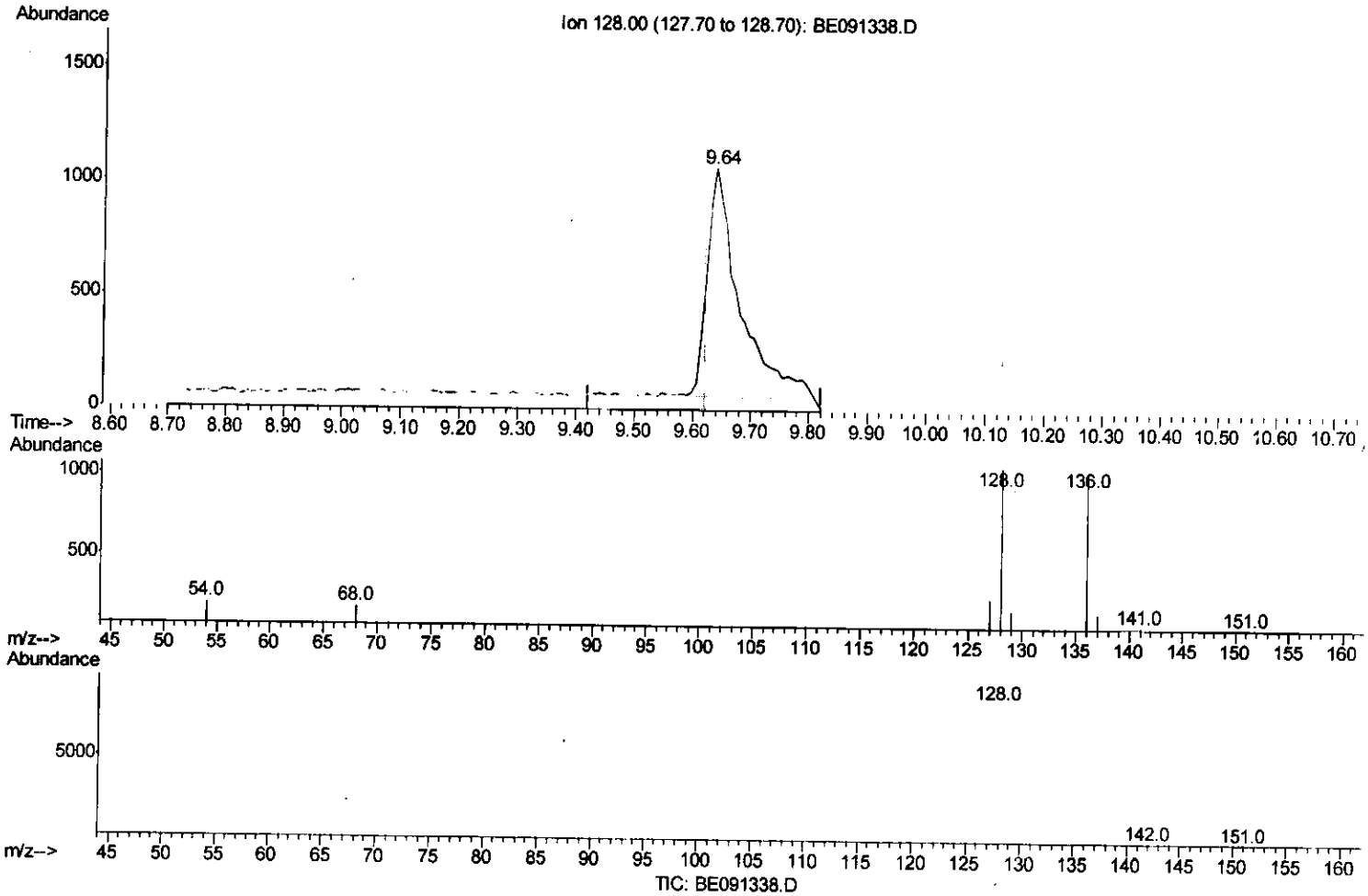
BNA_E
ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:09 PM



(5) Naphthalene

9.639min (+0.017) 0.17ng/ul m U.M 12/16/15

response 3683

Ion	Exp%	Act%
128.00	100	100
129.00	13.70	16.68#
127.00	17.90	23.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : BE091338.D
Acq On : 15 Dec 2015 1:05
Operator : UM/SJ
Sample : SSTD0.272
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 04:36:47 2015
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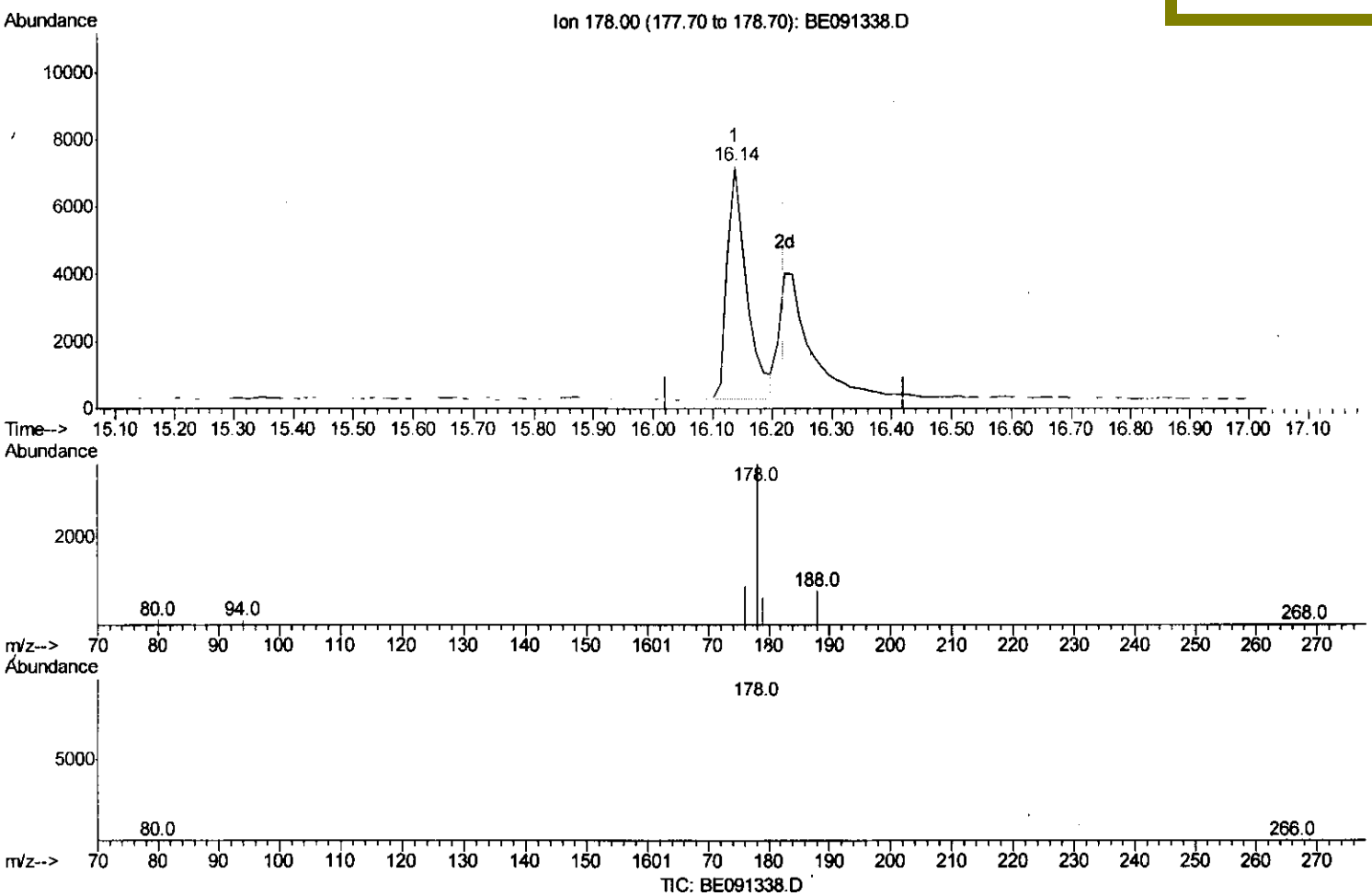
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:09 PM



TIC: BE091338.D

(15) Anthracene

16.137min (-0.084) 0.20ng/ul

response 15922

Ion	Exp%	Act%
178.00	100	100
176.00	22.40	25.53
179.00	17.20	18.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Instrument :
BNA_E
ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:09 PM

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
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Acq On : 15 Dec 2015 1:05
Operator : UM/SJ
Sample : SSTD0.272
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 04:36:47 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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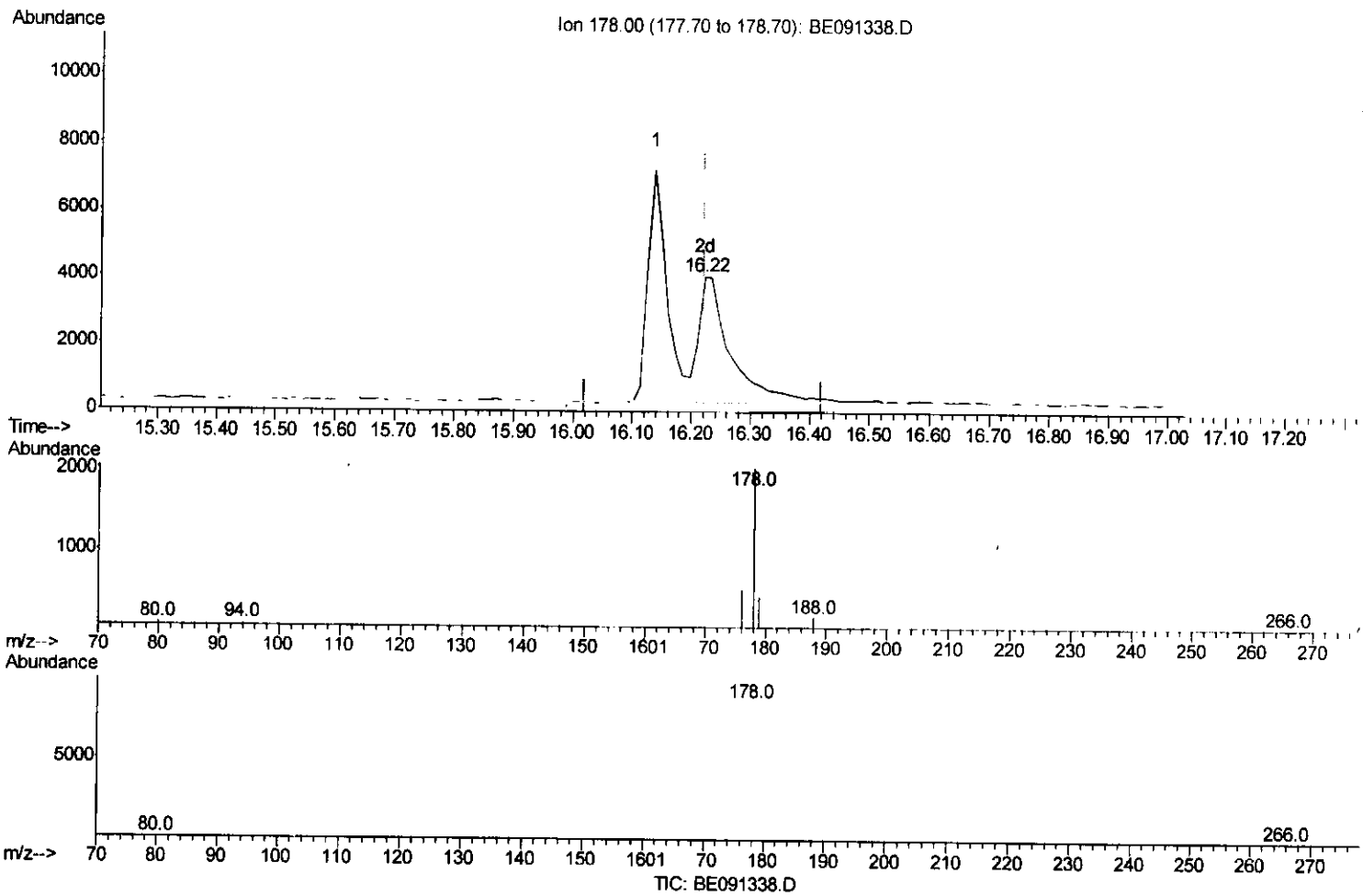

(15) Anthracene

16.222min (+0.001) 0.16ng/ul m U.M 12/16/15

response 12857

Ion	Exp%	Act%
178.00	100	100
176.00	22.40	26.75
179.00	17.20	22.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Sample : SSTD0.272
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 04:36:47 2015
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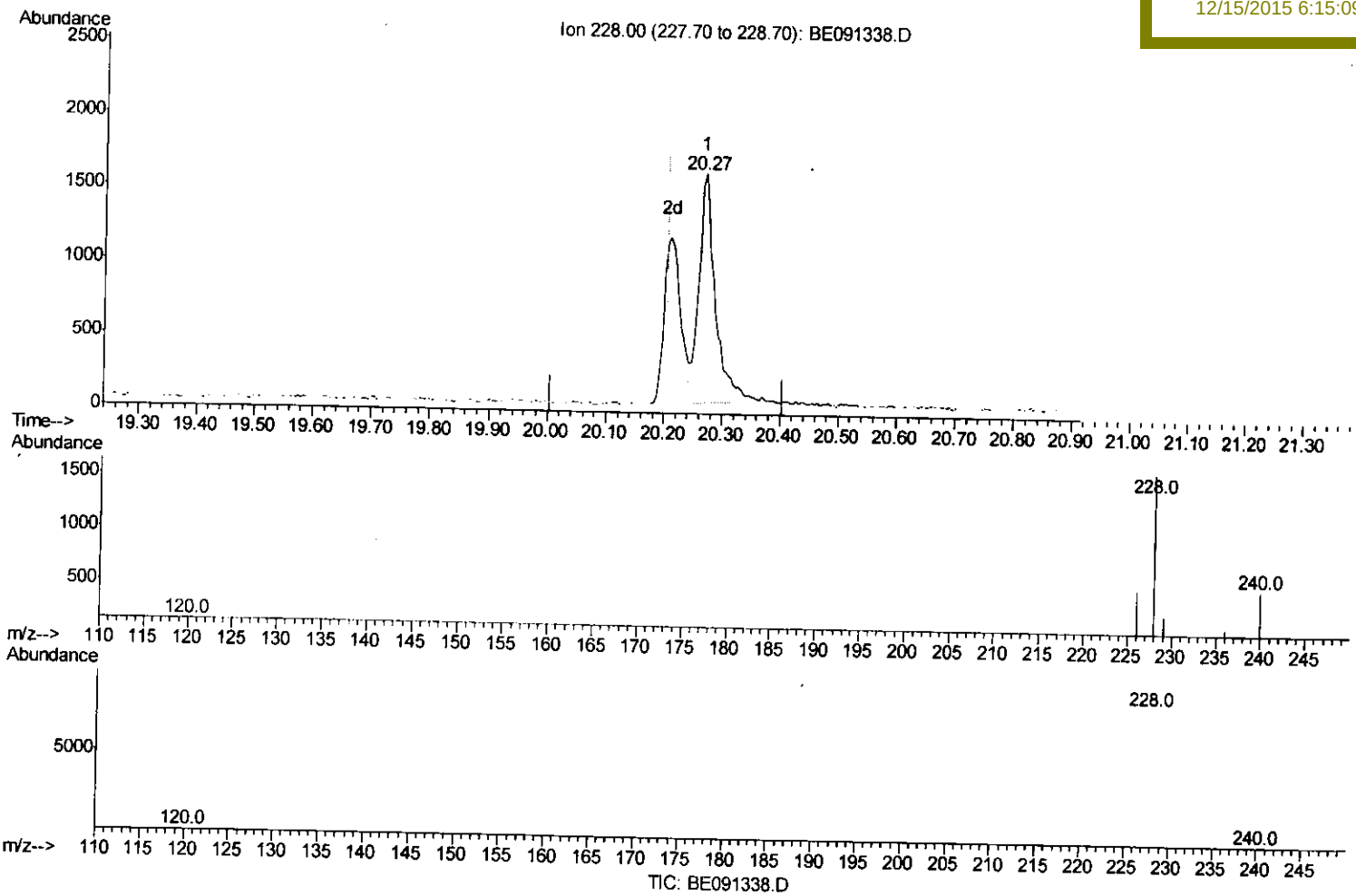
Instrument :
BNA_E
ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:09 PM



(20) Benzo(a)anthracene

20.269min (+0.062) 0.25ng/ul

response 3159

Ion	Exp%	Act%
228.00	100	100
226.00	32.30	34.25
229.00	19.50	19.52
0.00	0.00	0.00

Quantitation Report (Qedit)

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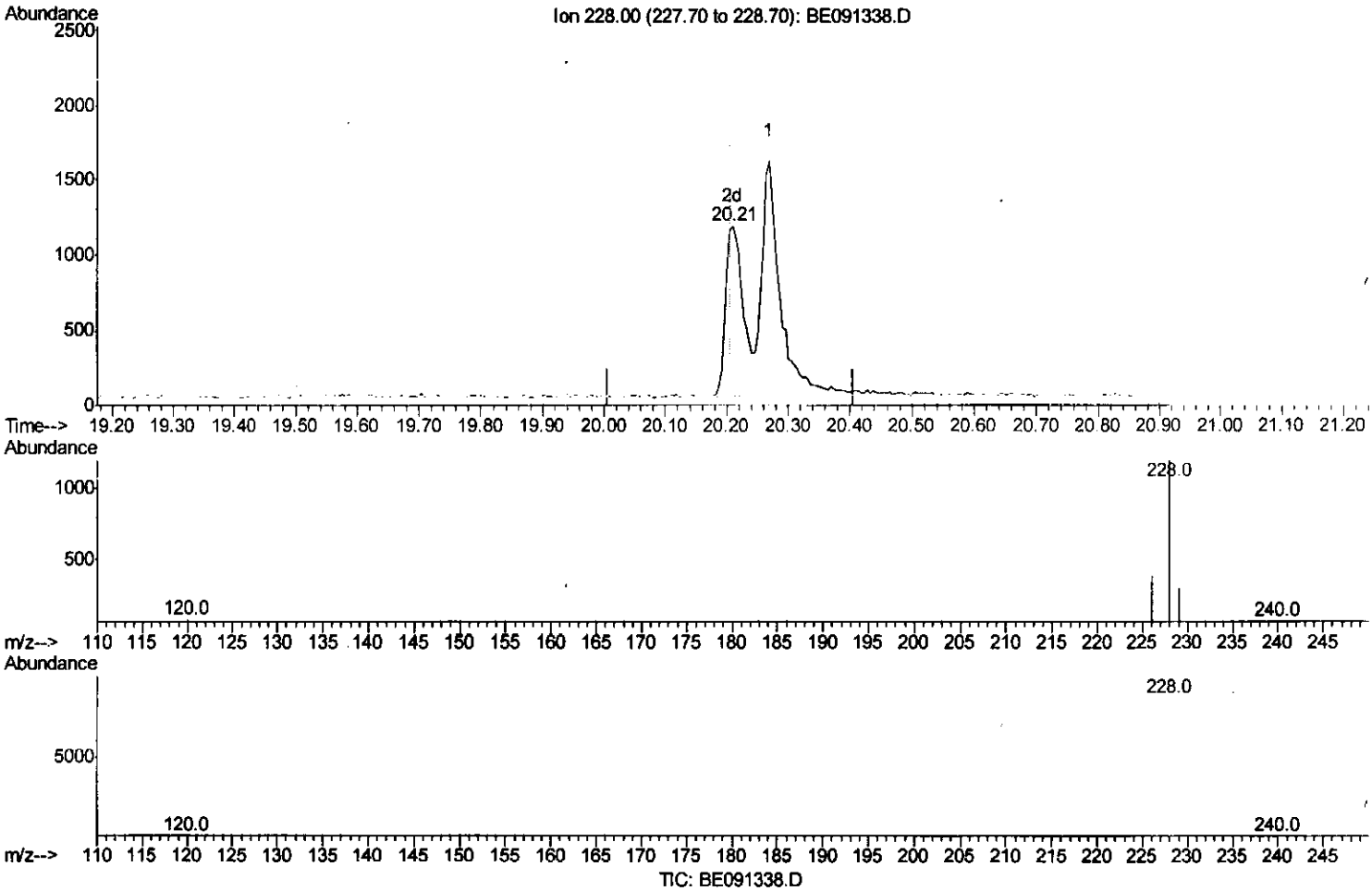
Data File : BE091338.D
Acq On : 15 Dec 2015 1:05
Operator : UM/SJ
Sample : SSTD0.272
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 04:36:47 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 04:30:27 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:09 PM



TIC: BE091338.D

(20) Benzo(a)anthracene

20.209min (+0.003) 0.18ng/ul m U.M 12/16/15

response 2316

Ion	Exp%	Act%
228.00	100	100
226.00	32.30	31.99
229.00	19.50	25.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : BE091338.D
Acq On : 15 Dec 2015 1:05
Operator : UM/SJ
Sample : SSTD0.272
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 15 04:36:47 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
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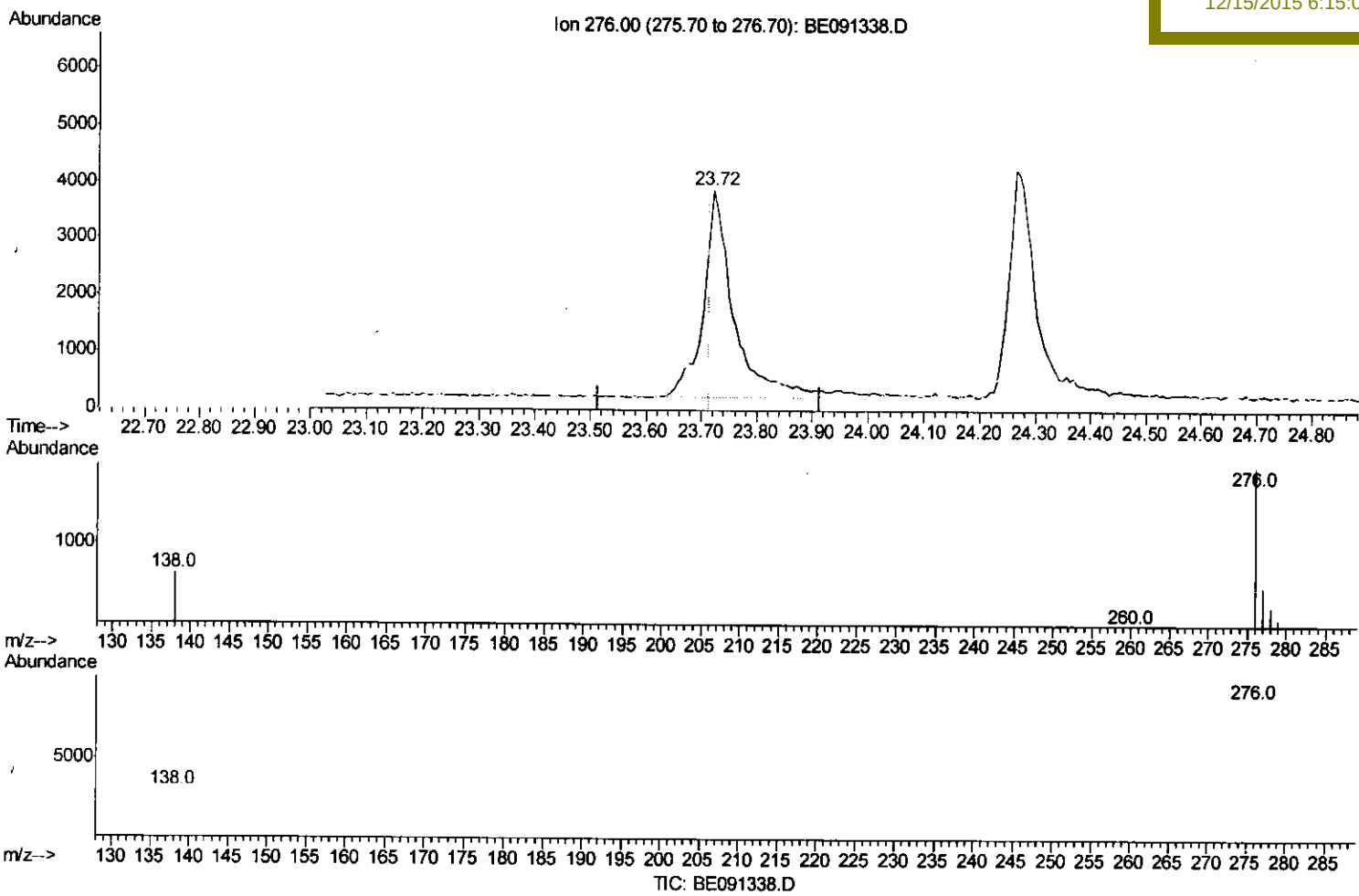
Instrument :
BNA_E
ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:09 PM



TIC: BE091338.D

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

23.722min (+0.007) 0.17ng/ul

response 13669

Ion	Exp%	Act%
276.00	100	100
138.00	28.90	21.91#
277.00	28.90	25.41
0.00	0.00	0.00

Quantitation Report (Qedit)

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Sample : SSTD0.272
Misc :
ALS Vial : 3 Sample Multiplier: 1

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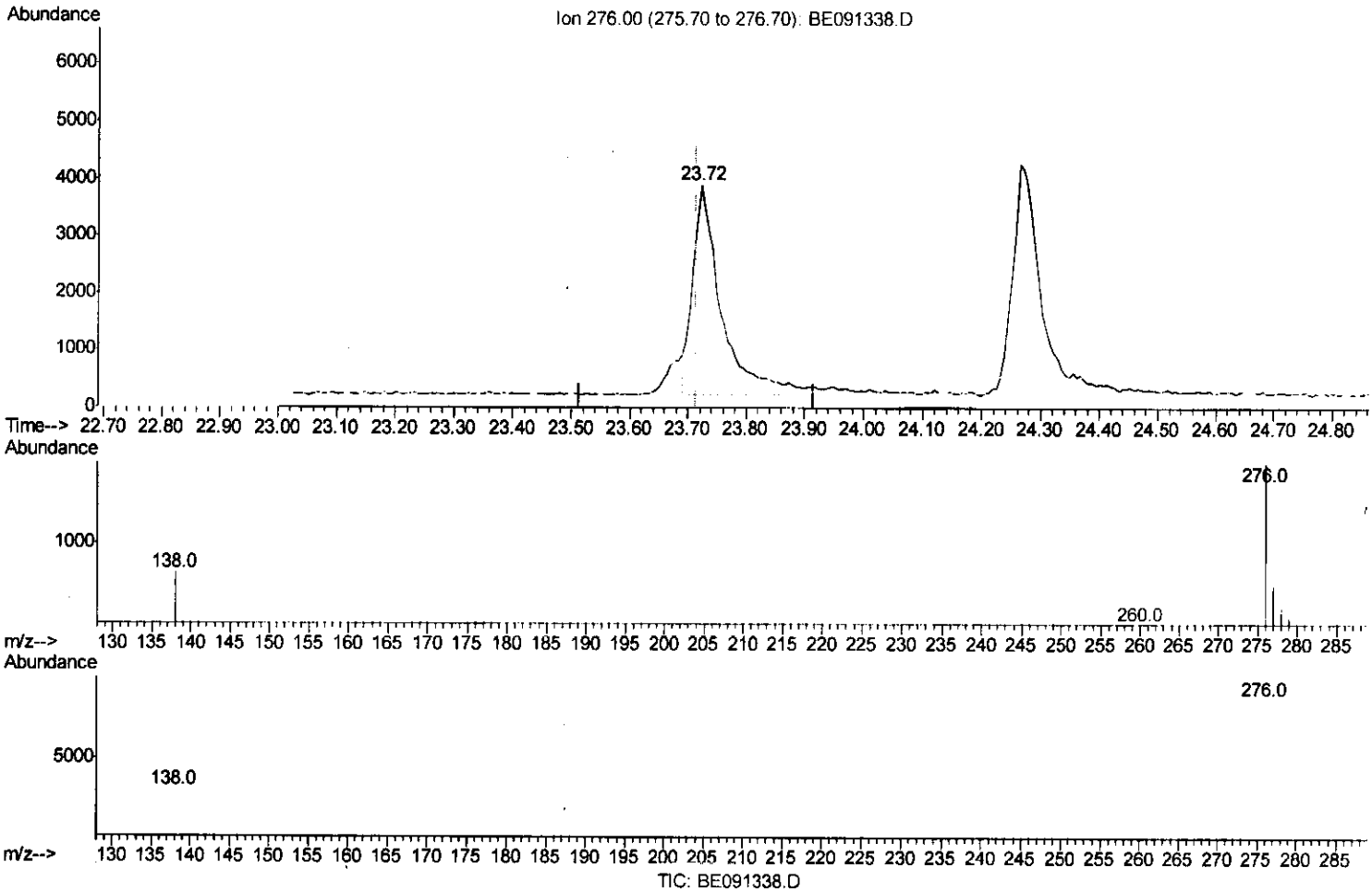
BNA_E
ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:09 PM



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

23.722min (+0.007) 0.16ng/ul m U.M 12/16/15

response 12196

Ion	Exp%	Act%
276.00	100	100
138.00	28.90	24.56
277.00	28.90	28.48
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
Data File : BE091338.D
Acq On : 15 Dec 2015 1:05
Operator : UM/SJ
Sample : SSTD0.272
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.272

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:09 PM

Quant Time: Dec 15 04:42:04 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	Qlon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	3031	0.40 ng/ul	0.00
4) Naphthalene-d8	9.60	136	9831	0.40 ng/ul	0.02
8) Acenaphthene-d10	13.38	164	2803	0.40 ng/ul	0.00
12) Phenanthrene-d10	16.10	188	9165	0.40 ng/ul	0.00
18) Chrysene-d12	20.24	240	5913	0.40 ng/ul	0.00
22) Perylene-d12	22.11	264	6326	0.40 ng/ul	0.00
System Monitoring Compounds					
2) 1,4-Dioxane-d8	2.97	96	2139	0.86 ng/uL	0.02
6) 2-Methylnaphthalene-d10	11.13	152	1281	0.17 ng/ul	0.04
16) Fluoranthene-d10	18.08	212	3010	0.15 ng/ul	0.00
Target Compounds					Qvalue
3) 1,4-Dioxane	2.99	88	2762	0.97 ng/ul	92
5) Naphthalene	9.64	128	3683m	0.17 ng/ul	
7) 2-Methylnaphthalene	11.18	142	1491	0.17 ng/ul	94
9) Acenaphthylene	13.13	152	2549	0.17 ng/ul	97
10) Acenaphthene	13.43	153	2002	0.17 ng/ul	94
11) Fluorene	14.44	166	2219	0.14 ng/ul	97
13) Pentachlorophenol	15.91	266	120	0.22 ng/ul#	63
14) Phenanthrene	16.14	178	16169	0.17 ng/ul	95
15) Anthracene	16.22	178	1285?m	0.16 ng/ul	
17) Fluoranthene	18.11	202	14667	0.14 ng/ul	90
19) Pyrene	18.49	202	13134	0.19 ng/ul	94
20) Benzo(a)anthracene	20.21	228	2316m	0.18 ng/ul	
21) Chrysene	20.27	228	3279	0.17 ng/ul	98
23) Benzo(b)fluoranthene	21.56	252	3165	0.16 ng/ul	91
24) Benzo(k)fluoranthene	21.59	252	3283	0.14 ng/ul	95
25) Benzo(a)pyrene	22.02	252	3270	0.16 ng/ul#	87
26) Indeno(1,2,3-cd)pyrene	23.72	276	12196m	0.16 ng/ul	
27) Dibenzo(a,h)anthracene	23.68	278	2296	0.16 ng/ul#	77
28) Benzo(g,h,i)perylene	24.26	276	13790	0.17 ng/ul	97

U.M 12/16/15

U.M 12/16/15

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