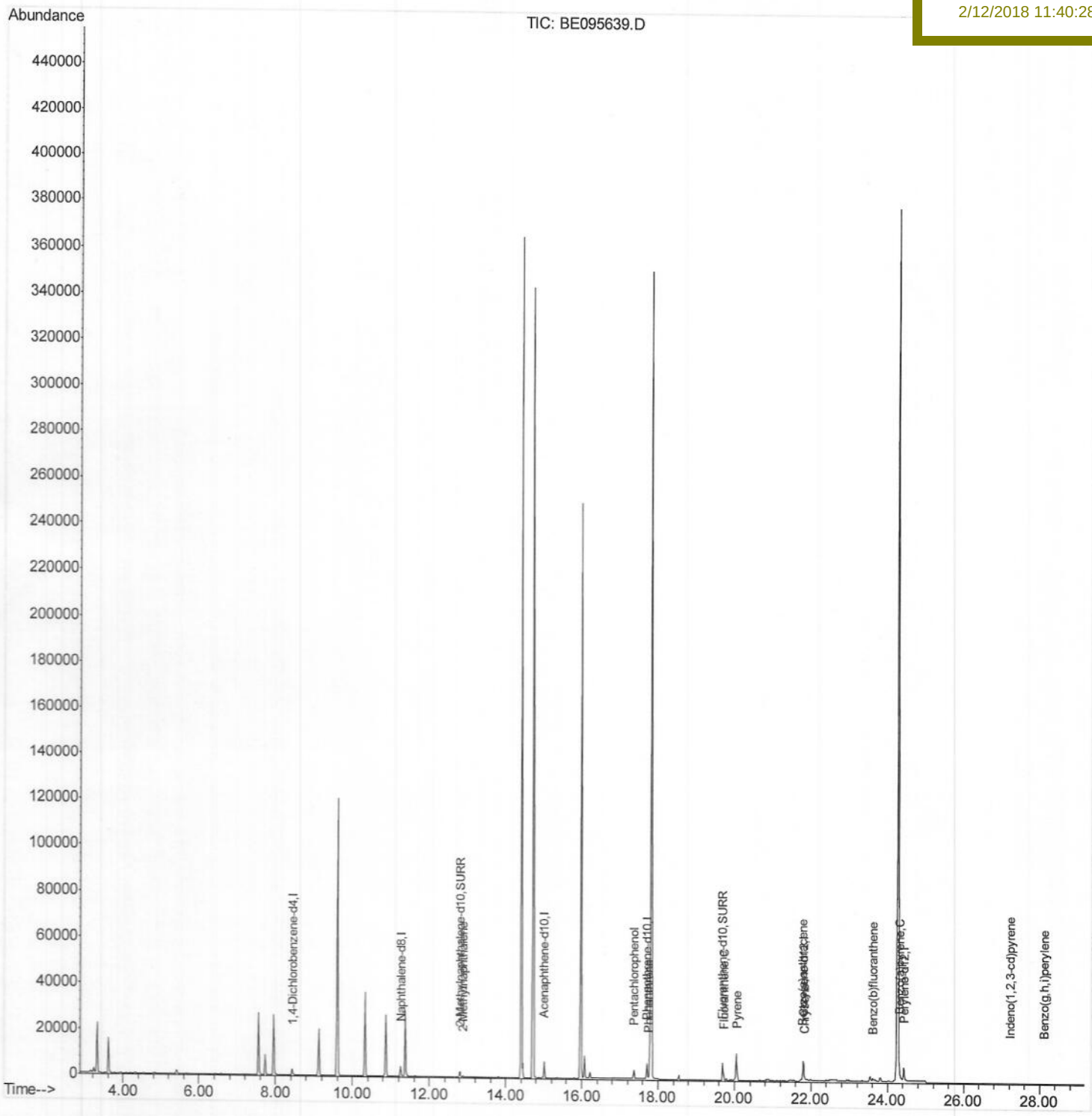
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 01:36:20 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



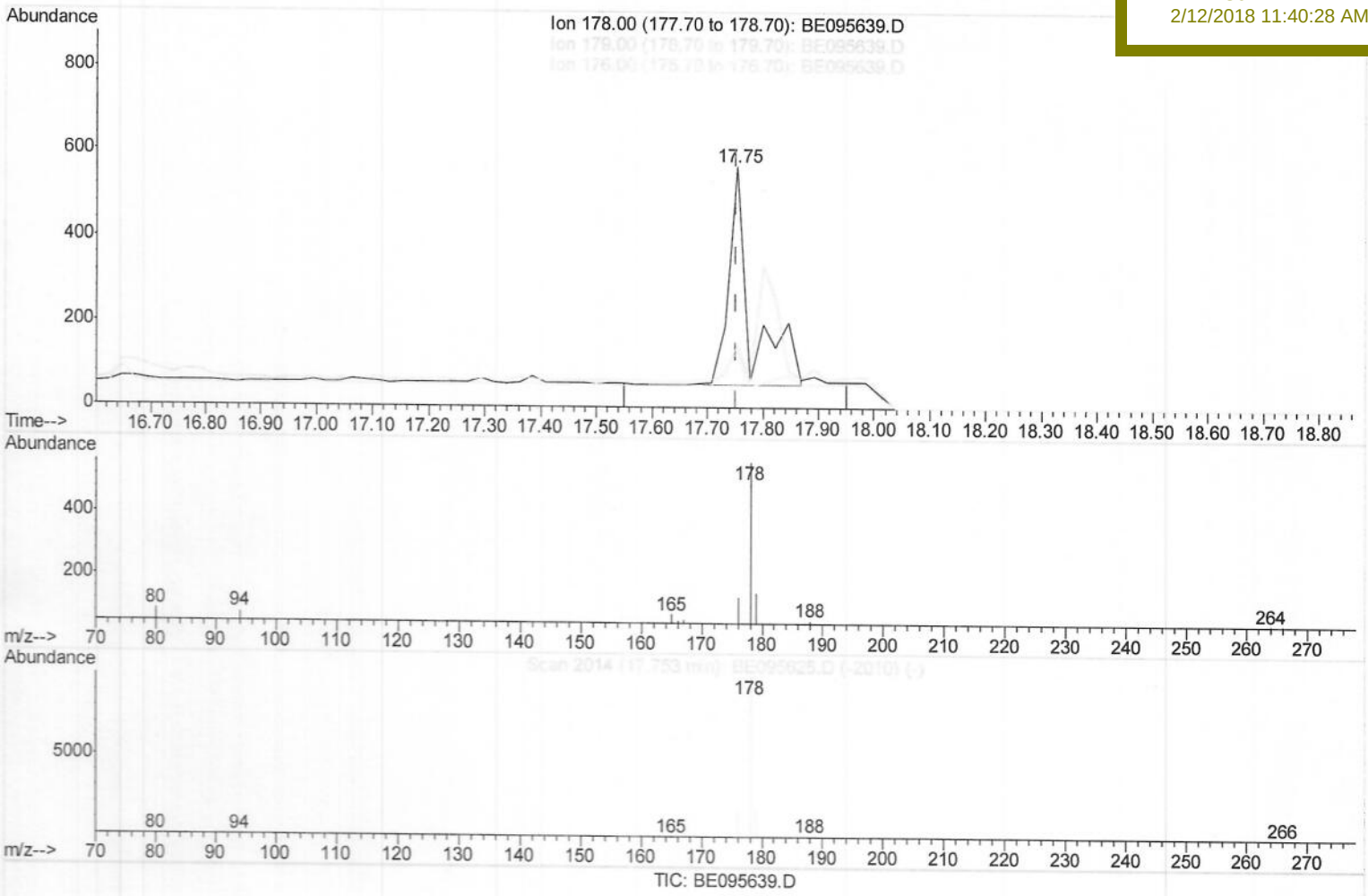
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 00:20:50 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



(12) Phenanthrene

17.754min (+0.001) 0.05ng/ul

response 1483

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	26.28
176.00	17.00	23.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 00:20:50 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
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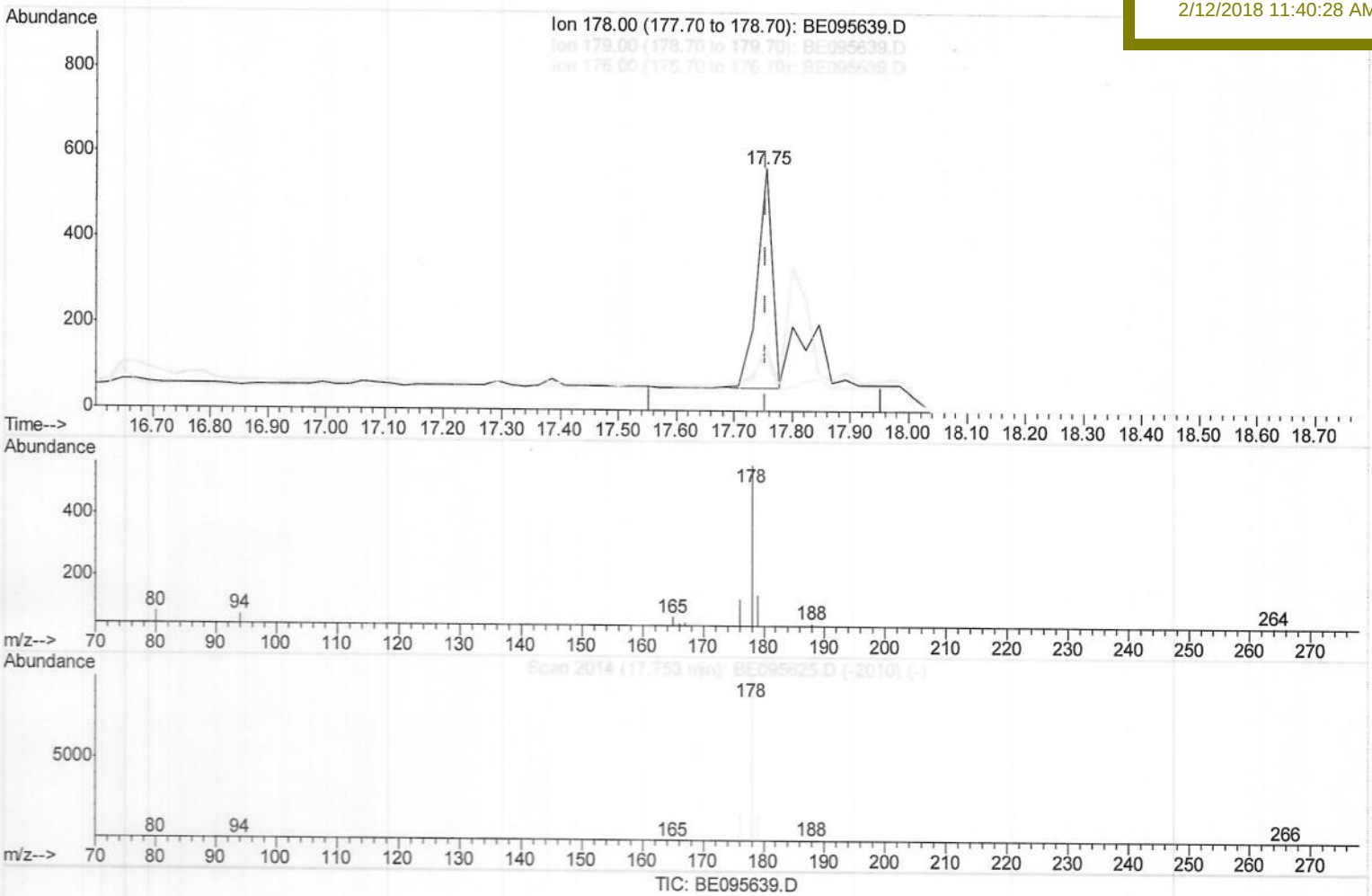
Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



(12) Phenanthrene

17.754min (+0.001) 0.03ng/ul m

response 932

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	26.28
176.00	17.00	23.81#
0.00	0.00	0.00

JU
02/10/18

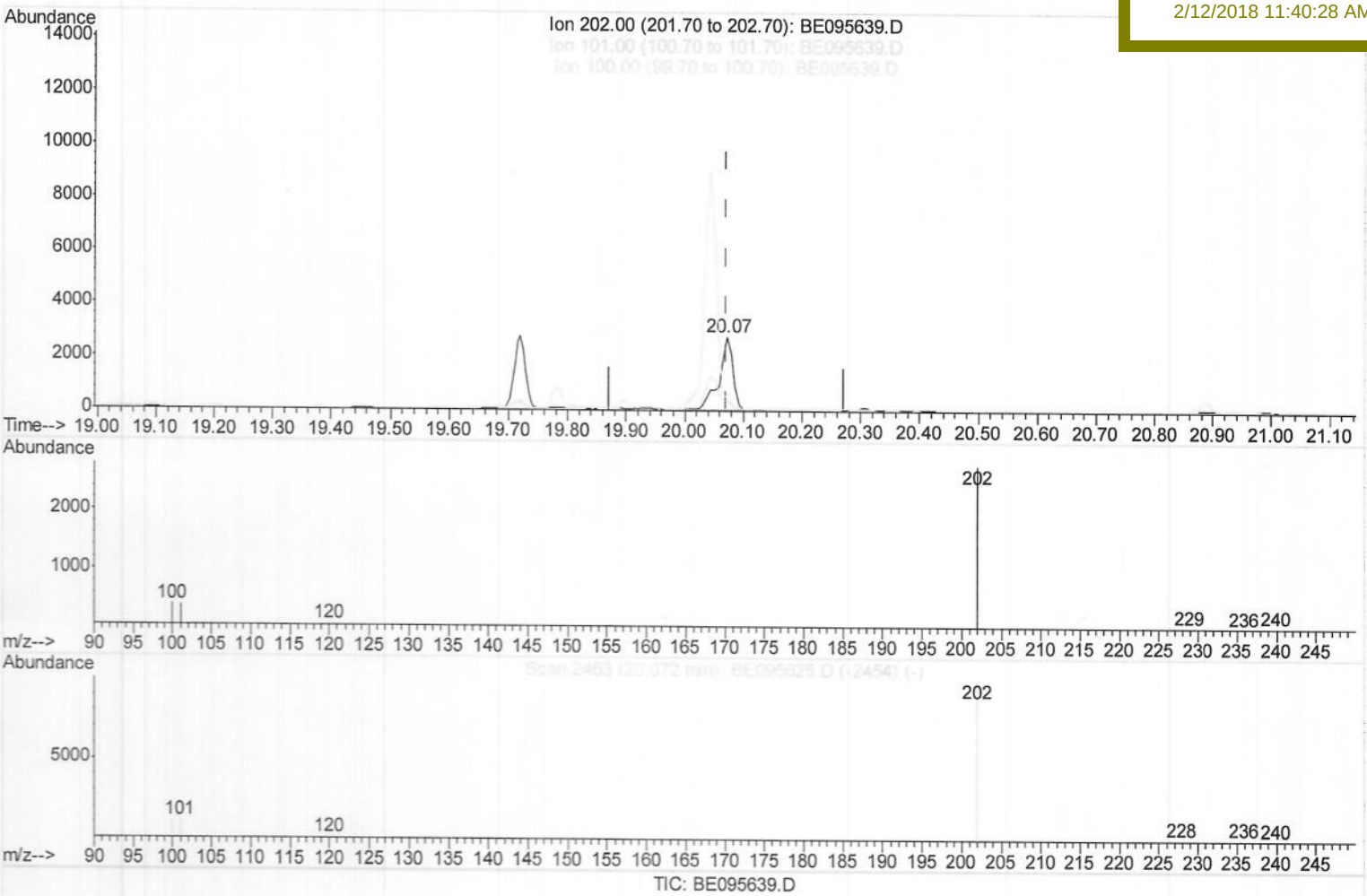
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 00:20:50 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



TIC: BE095639.D

(17) Pyrene

20.072min (+0.000) 0.18ng/ul

response 4983

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	14.03#
100.00	19.50	14.32#
0.00	0.00	0.00

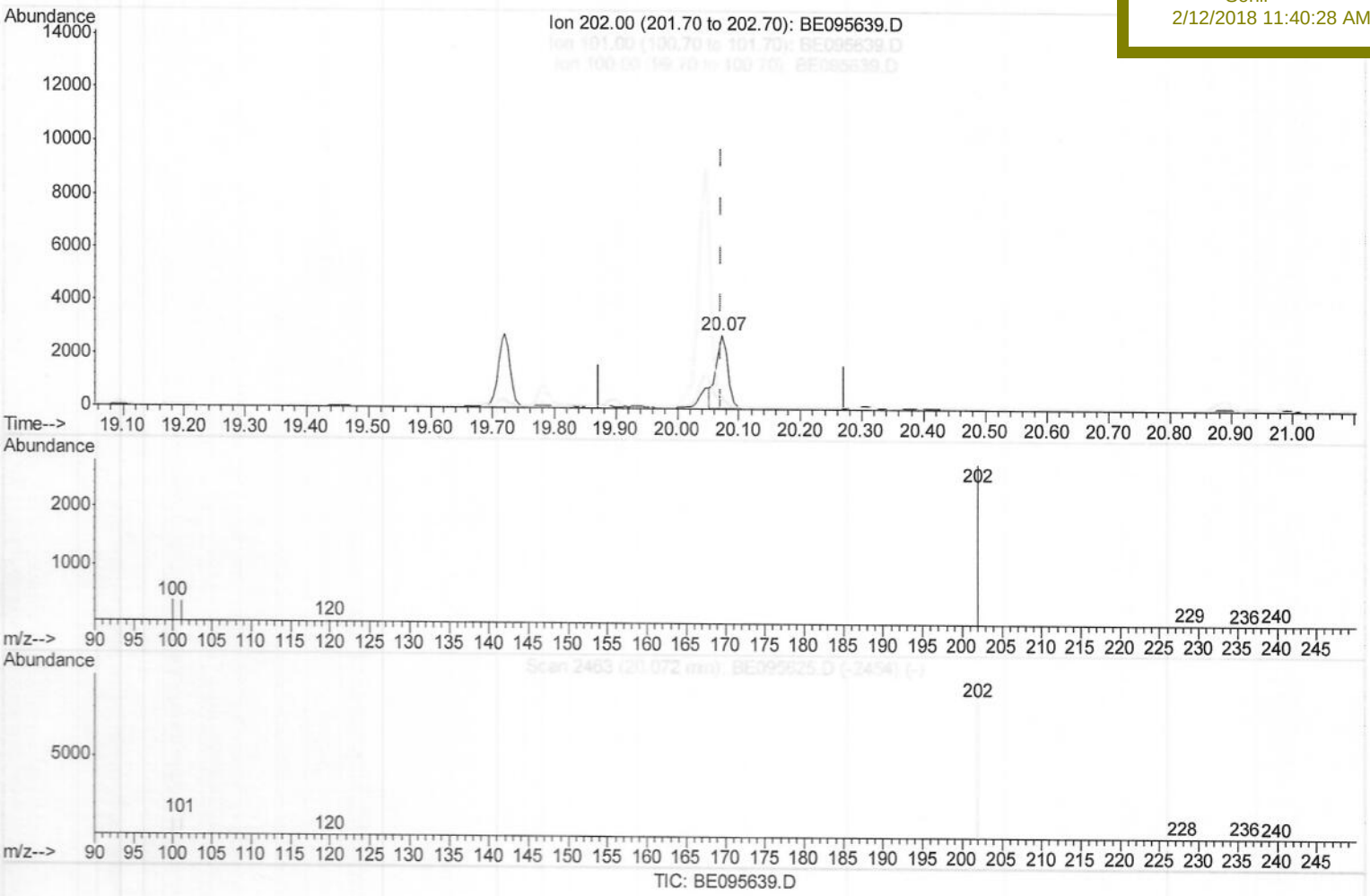
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 00:20:50 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



TIC: BE095639.D

(17) Pyrene

20.072min (+0.000) 0.13ng/ul m

response 3501

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	14.03#
100.00	19.50	14.32#
0.00	0.00	0.00

SJ
02/10/18

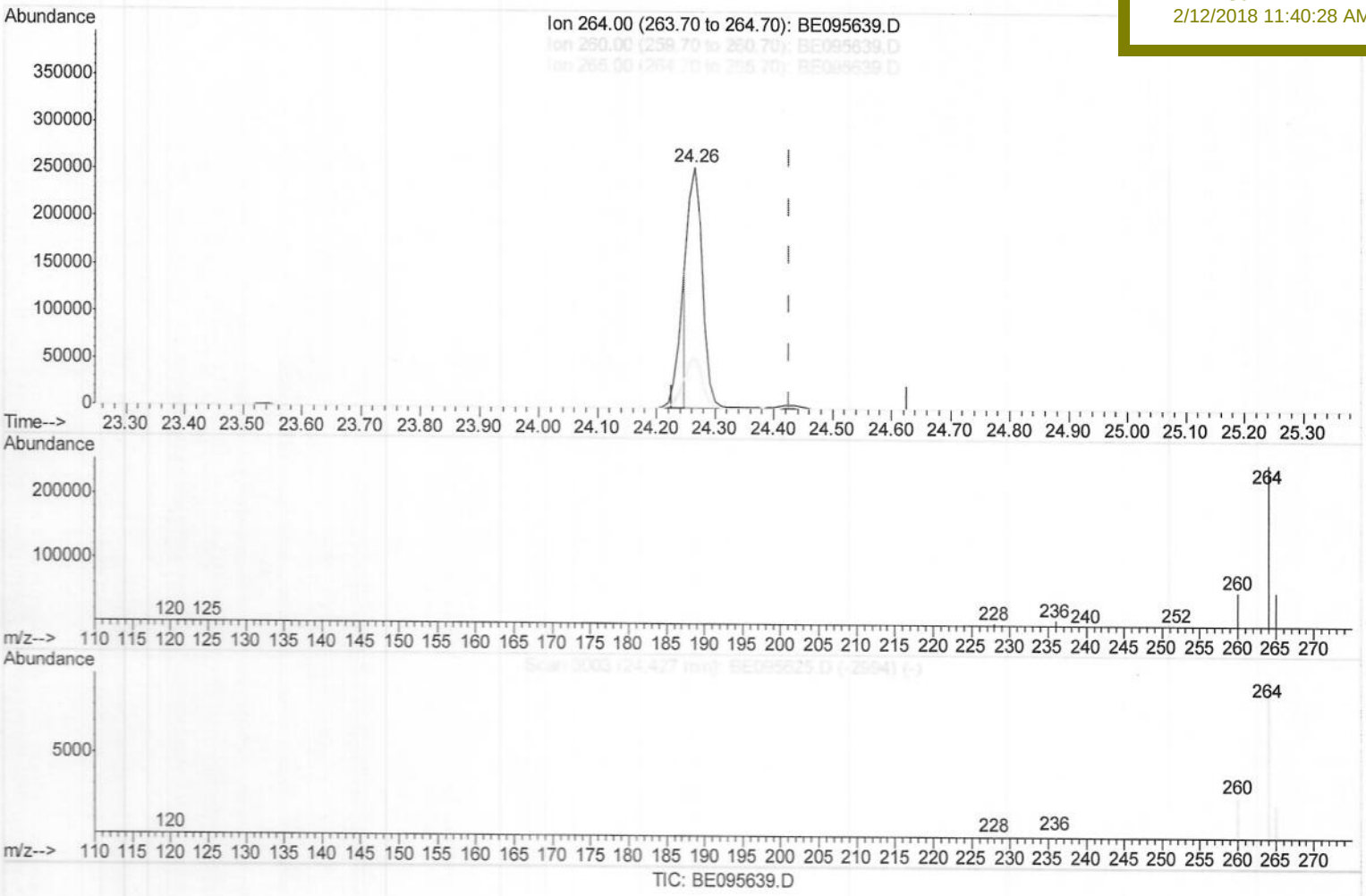
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 00:20:50 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



TIC: BE095639.D

(20) Perylene-d12 (I)

24.265min (-0.163) 0.40ng/ul

response 430266

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.15#
265.00	103.50	21.49#
0.00	0.00	0.00

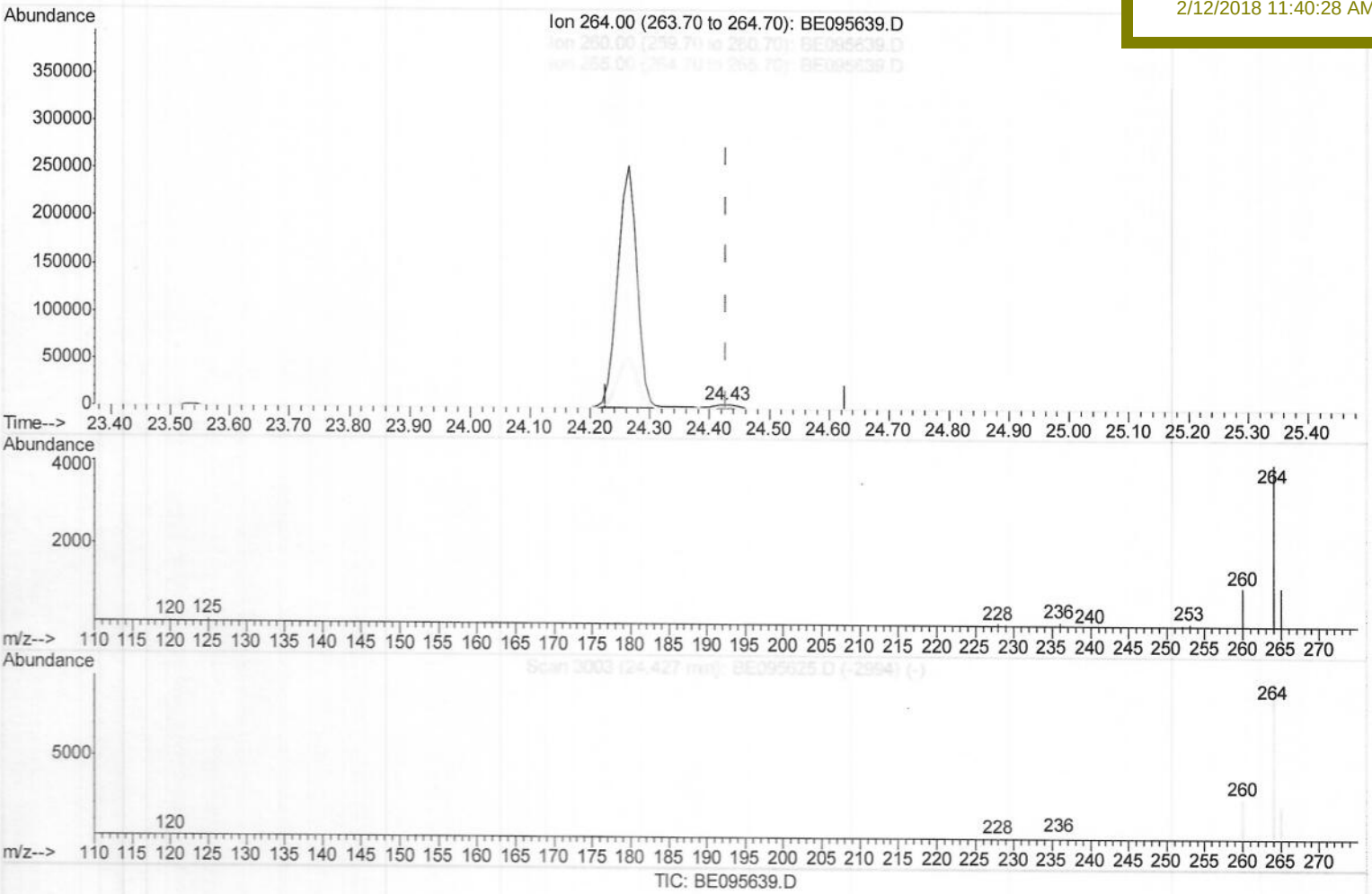
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 00:20:50 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



(20) Perylene-d12 (I)

24.427min (-0.000) 0.40ng/ul m

response 7522

JU
02/10/18

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.99
265.00	103.50	25.24#
0.00	0.00	0.00

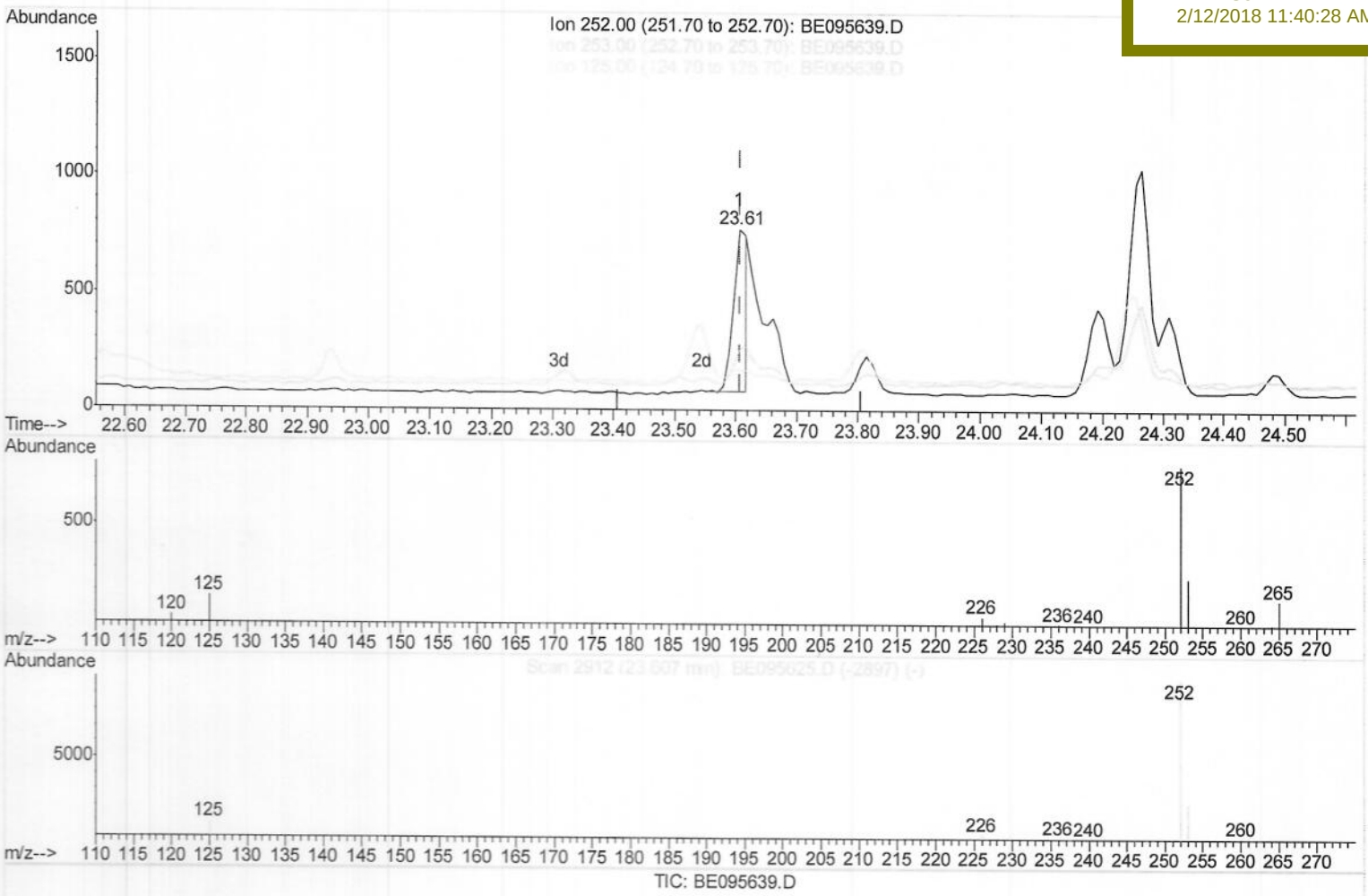
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 01:30:46 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



TIC: BE095639.D

(21) Benzo(b)fluoranthene

23.607min (-0.000) 0.04ng/ul

response 1070

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	34.24
125.00	17.50	22.74
0.00	0.00	0.00

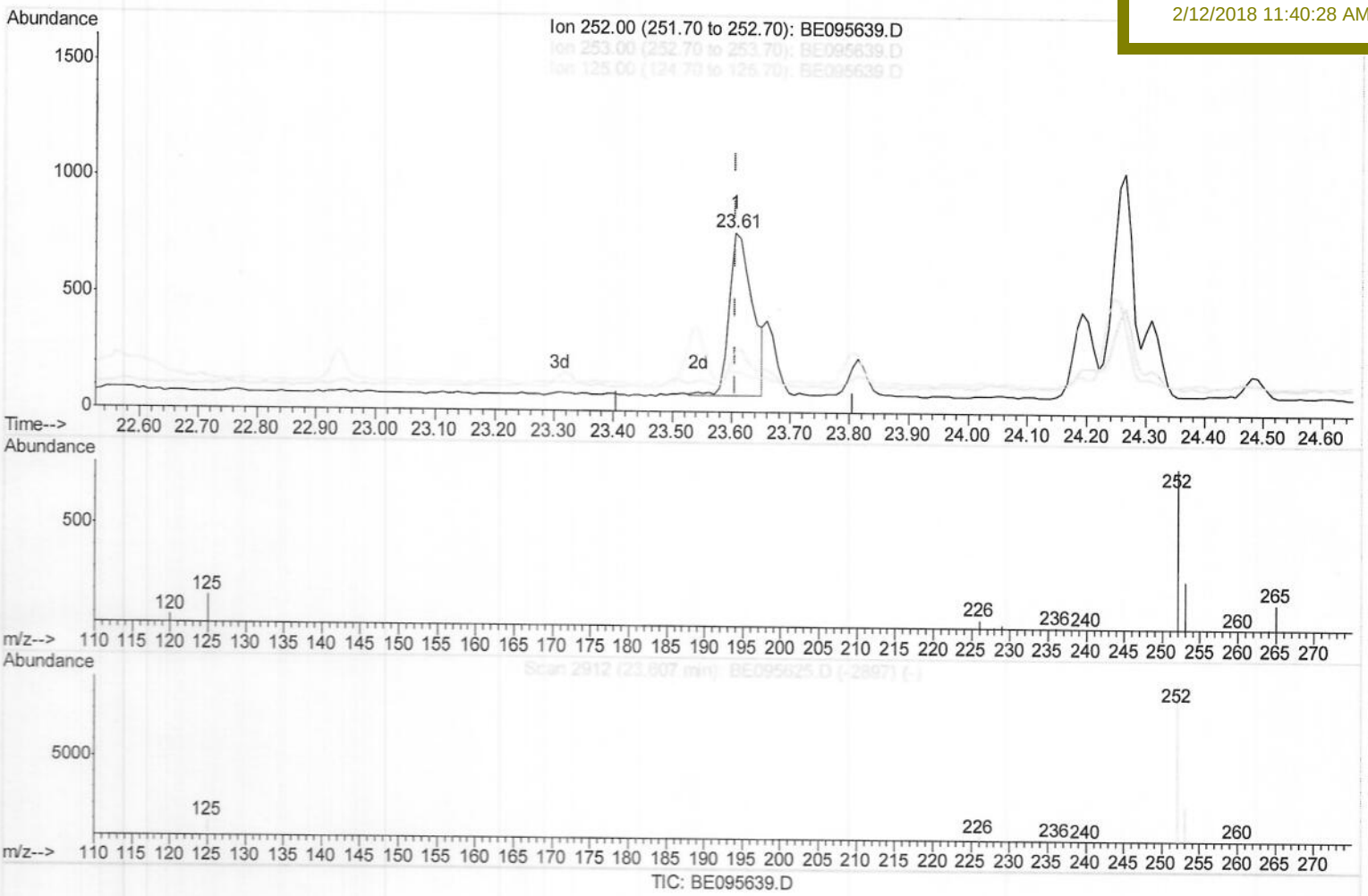
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 01:30:46 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



(21) Benzo(b)fluoranthene

23.607min (-0.000) 0.07ng/ul m

response 1971

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	34.24
125.00	17.50	22.74
0.00	0.00	0.00

JU
02/10/18

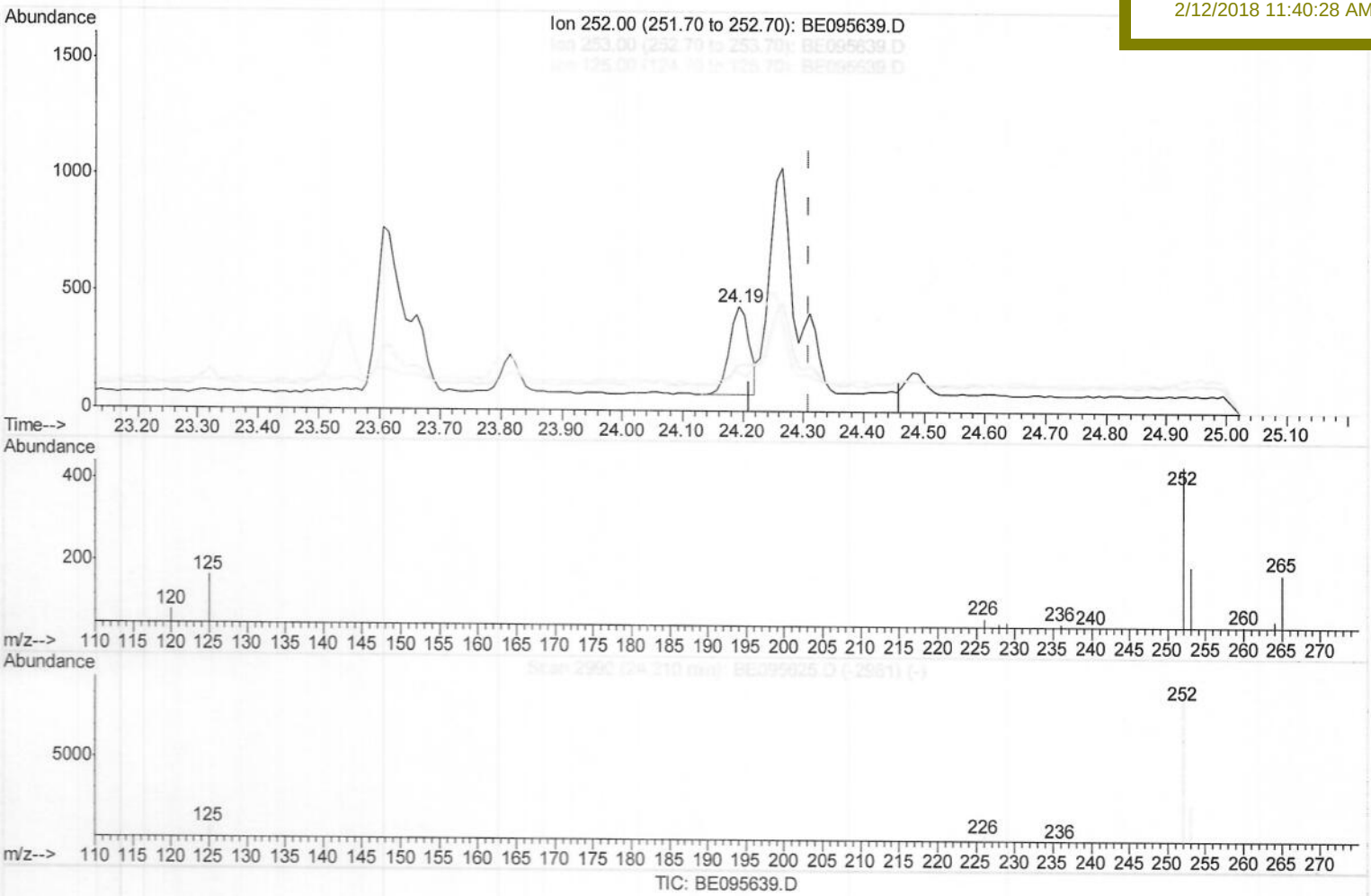
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 01:30:46 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



TIC: BE095639.D

(23) Benzo(a)pyrene (C)

24.193min (-0.117) 0.04ng/ul

response 866

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	44.67#
125.00	22.60	37.64#
0.00	0.00	0.00

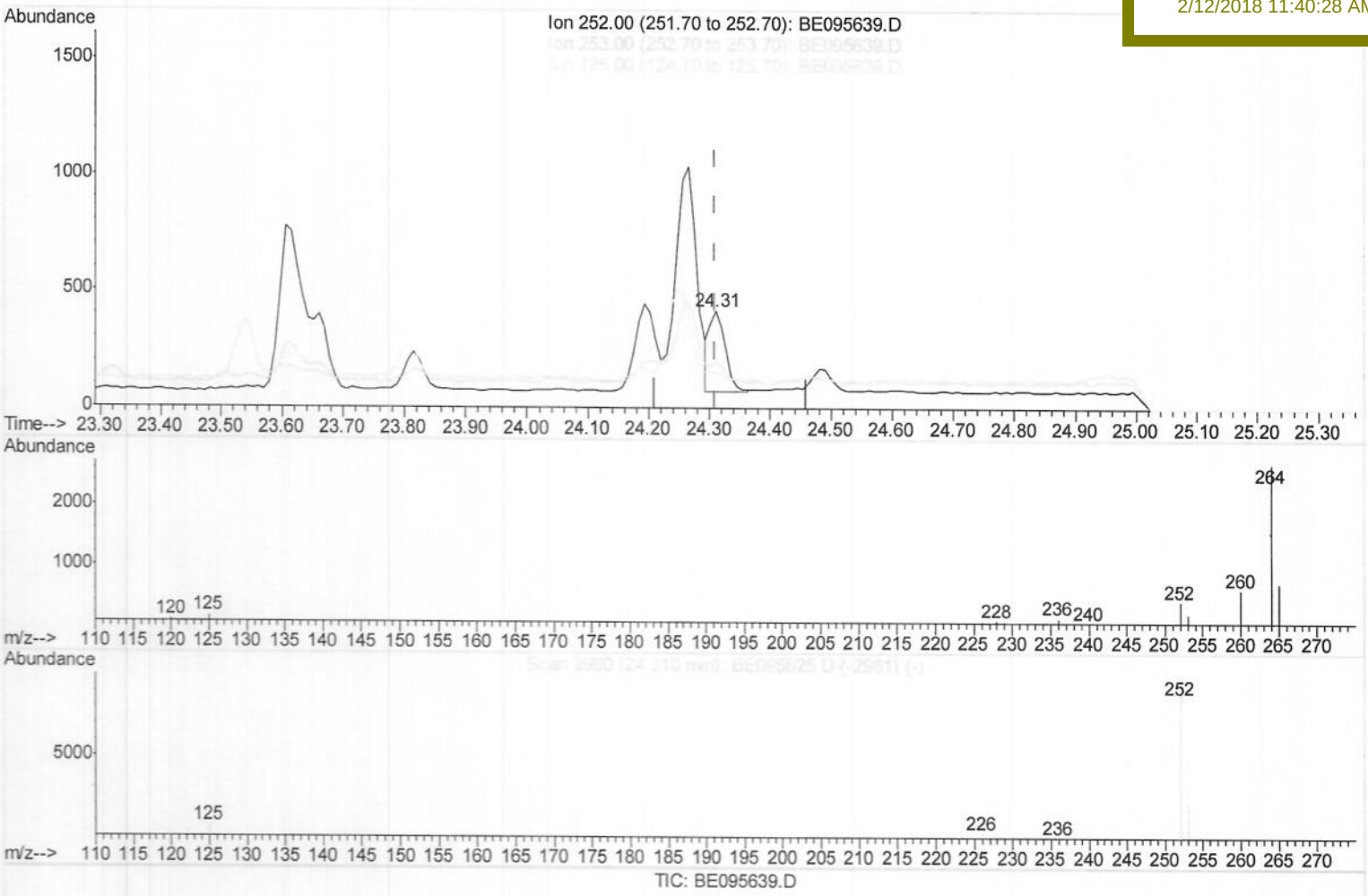
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 01:30:46 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



(23) Benzo(a)pyrene (C)

24.310min (-0.000) 0.03ng/ul m

response 626

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	46.62#
125.00	22.60	35.99#
0.00	0.00	0.00

SV
02/10/18

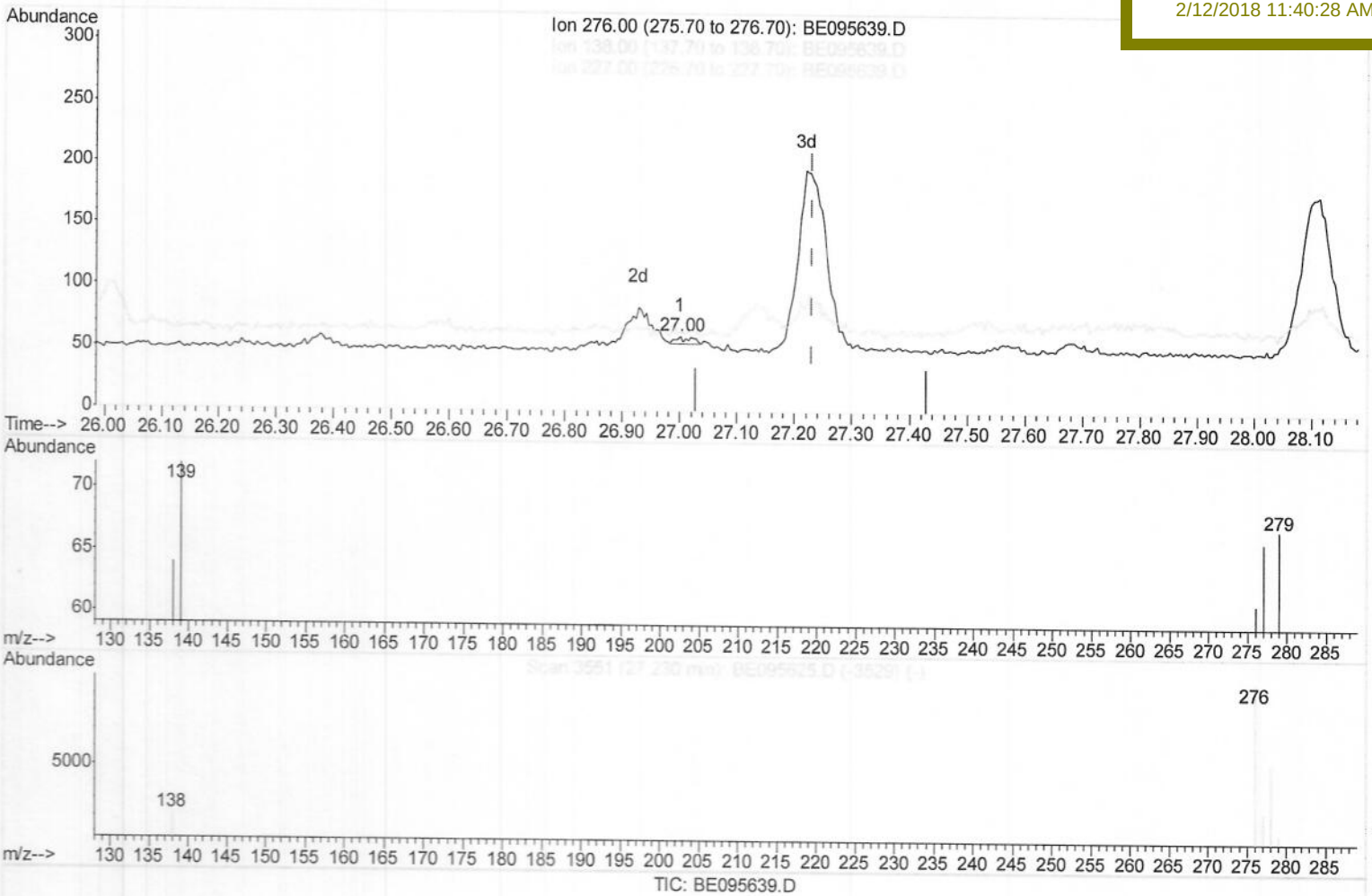
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 01:30:46 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



TIC: BE095639.D

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

27.001min (-0.229) 0.00ng/ul

response 13

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	38.46
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 01:30:46 2018
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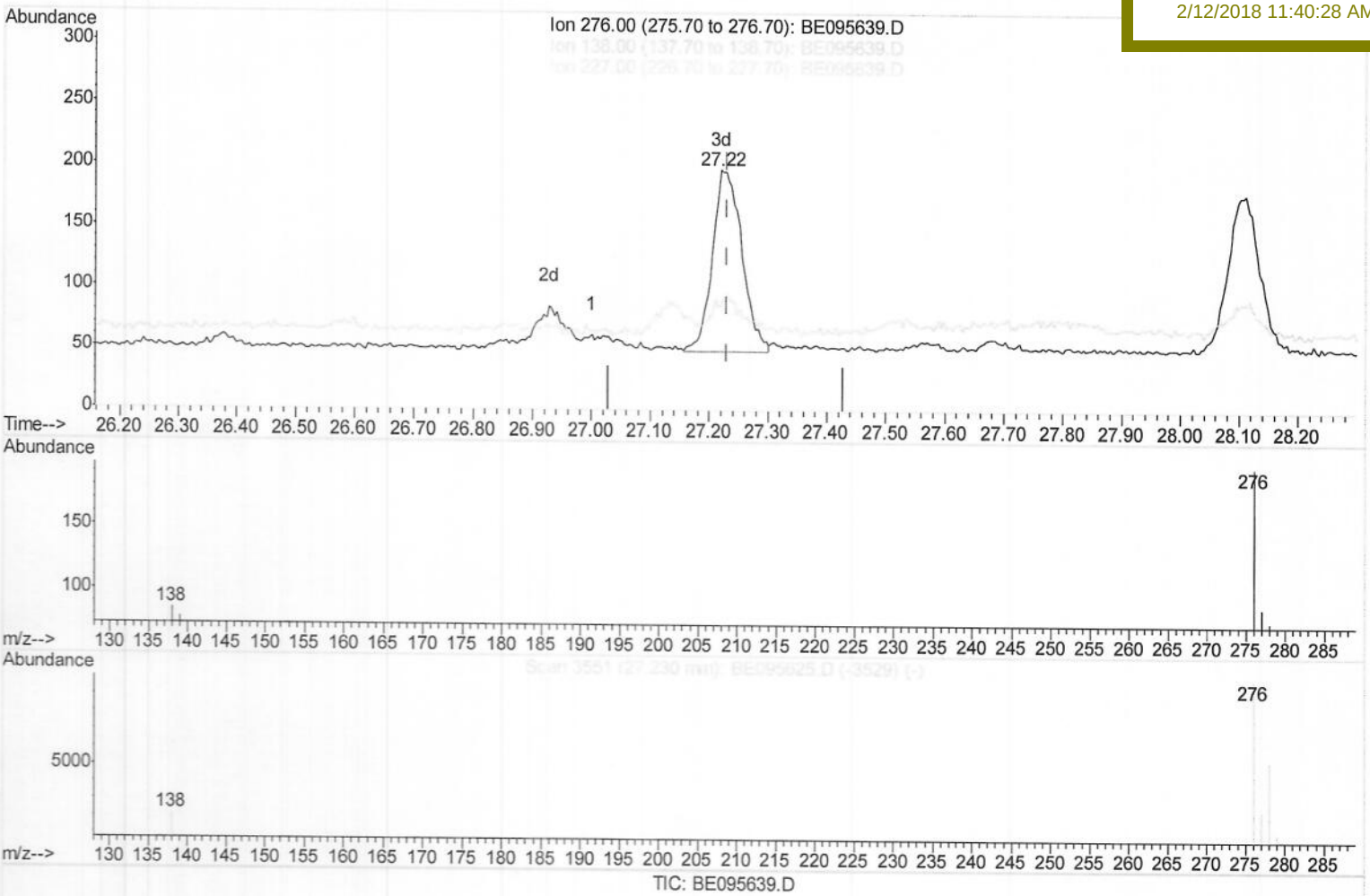
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



TIC: BE095639.D

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

27.220min (-0.010) 0.02ng/ul m

response 524

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.95#
227.00	10.00	0.00#
0.00	0.00	0.00

JV
02/10/18

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 01:30:46 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
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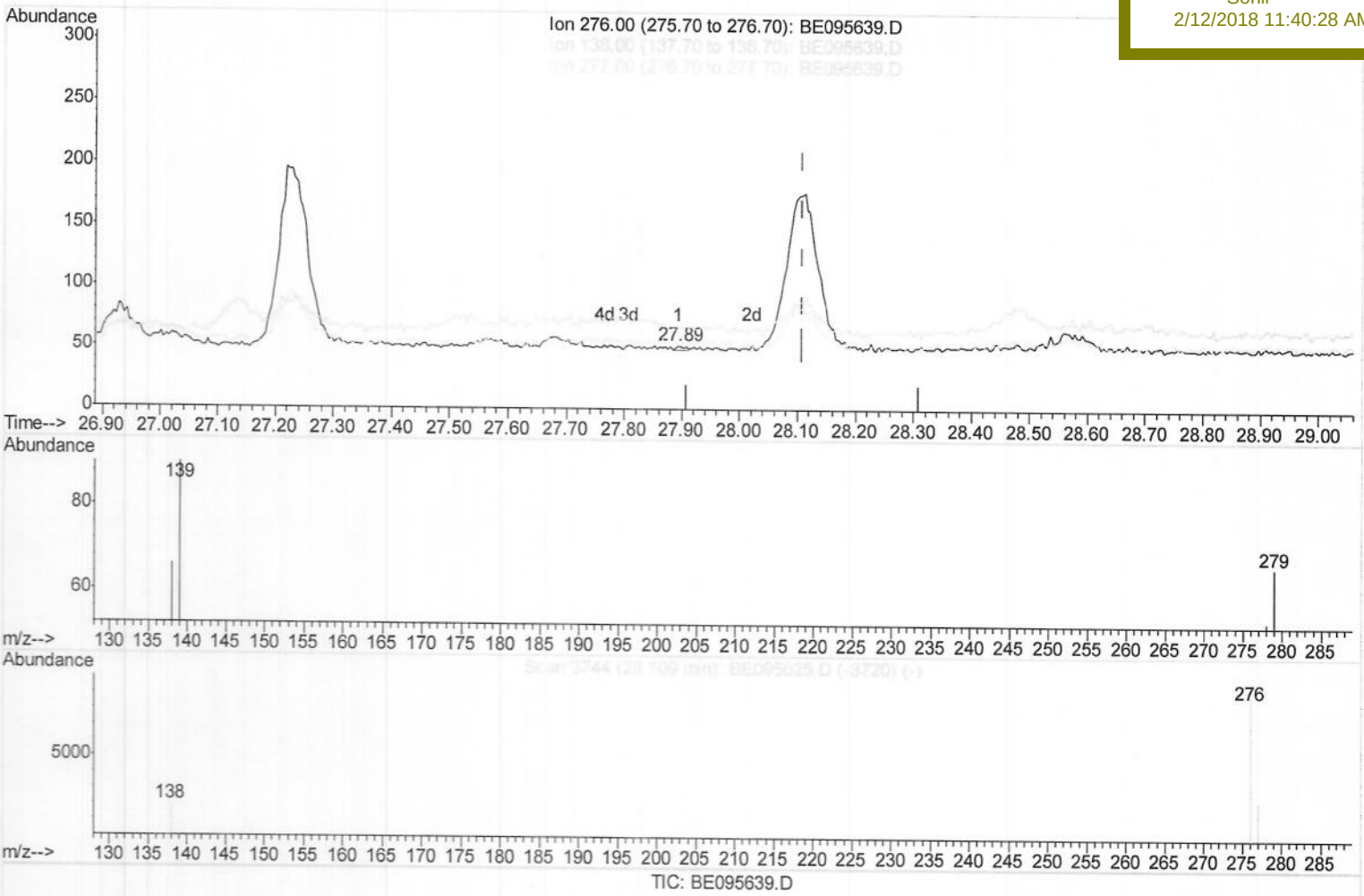
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM



TIC: BE095639.D

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

27.894min (-0.215) 0.00ng/ul

response 4

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	126.92#
277.00	25.60	100.00#
0.00	0.00	0.00

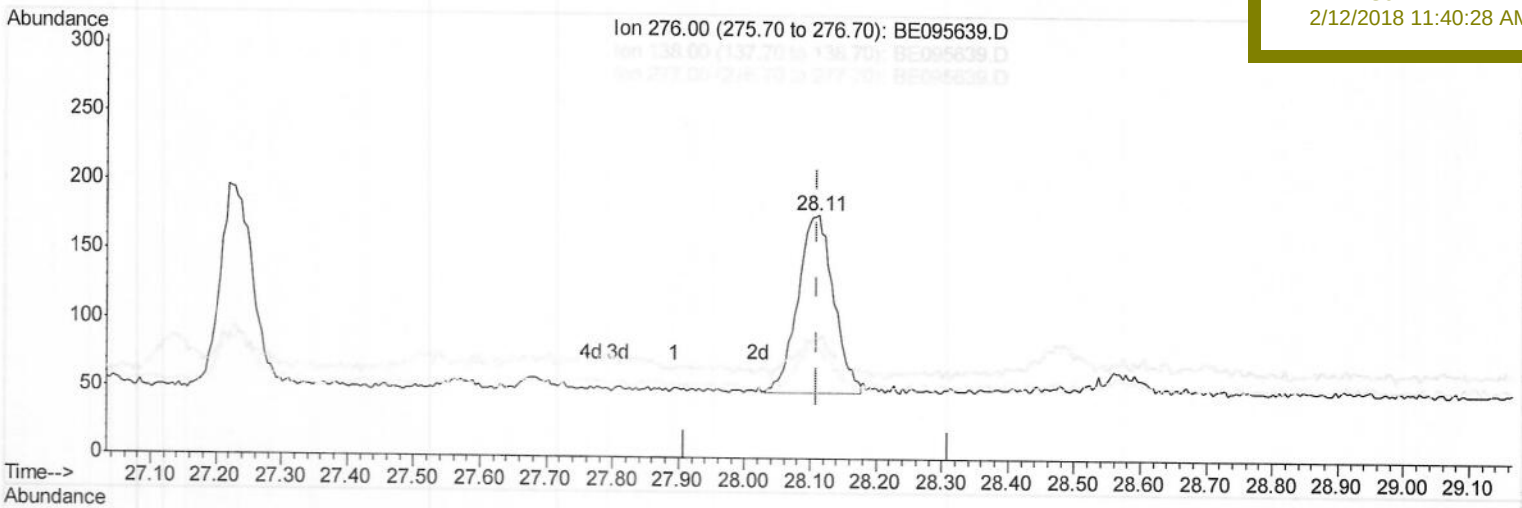
Quantitation Report (Qedit)

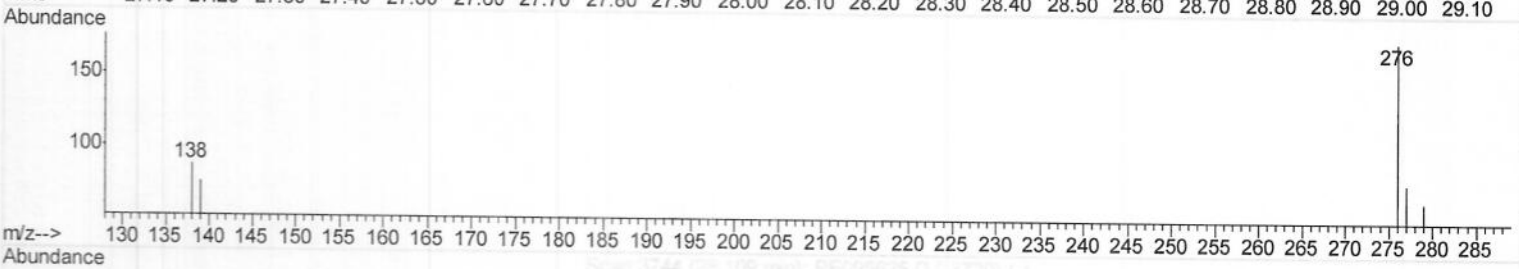
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

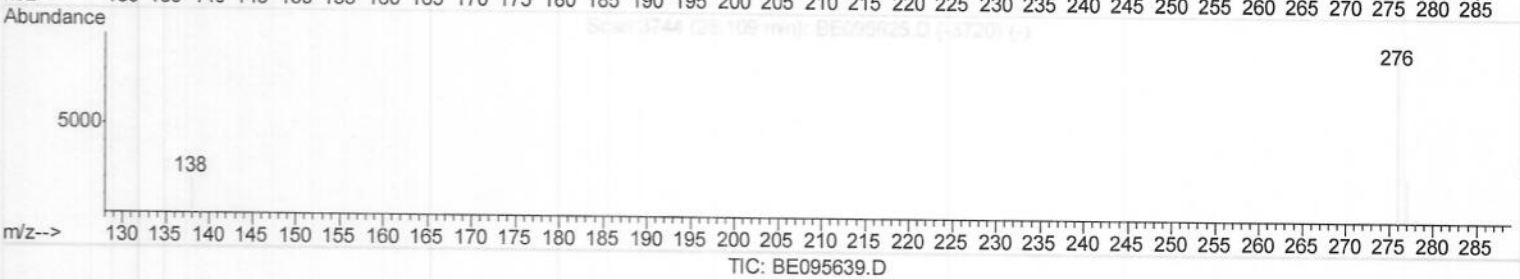
Quant Time: Feb 12 01:30:46 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM







TIC: BE095639.D

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

28.113min (+0.003) 0.02ng/ul m

response 492

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	49.15#
277.00	25.60	44.63#
0.00	0.00	0.00

JU
02/10/18

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020918\
Data File : BE095639.D
Acq On : 10 Feb 2018 10:06
Operator : SJ/JU
Sample : J1355-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Feb 12 01:36:20 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
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QLast Update : Sat Feb 10 02:59:57 2018
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : F6D26

Manual Integrations APPROVED
Sohil
2/12/2018 11:40:28 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1954	0.40	ng/ul	0.00
2) Naphthalene-d8	11.25	136	5854	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	3899	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	8964	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	8162	0.40	ng/ul	0.00
20) Perylene-d12	24.43	264	7522m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	3061	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	8405	0.25	ng/ul	0.00
Target Compounds						Qvalue
5) 2-Methylnaphthalene	12.88	142	293	0.027	ng/ul	99
11) Pentachlorophenol	17.36	266	2509	1.445	ng/ul	99
12) Phenanthrene	17.75	178	932m	0.031	ng/ul	
15) Fluoranthene	19.72	202	3586	0.092	ng/ul	84
17) Pyrene	20.07	202	3501m	0.128	ng/ul	
18) Benzo(a)anthracene	21.78	228	1368	0.054	ng/ul#	89
19) Chrysene	21.83	228	1265	0.048	ng/ul#	86
21) Benzo(b)fluoranthene	23.61	252	1971m	0.074	ng/ul	
23) Benzo(a)pyrene	24.31	252	626m	0.026	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.22	276	524m	0.020	ng/ul	
26) Benzo(g,h,i)perylene	28.11	276	492m	0.022	ng/ul	

JV 02/10/18

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