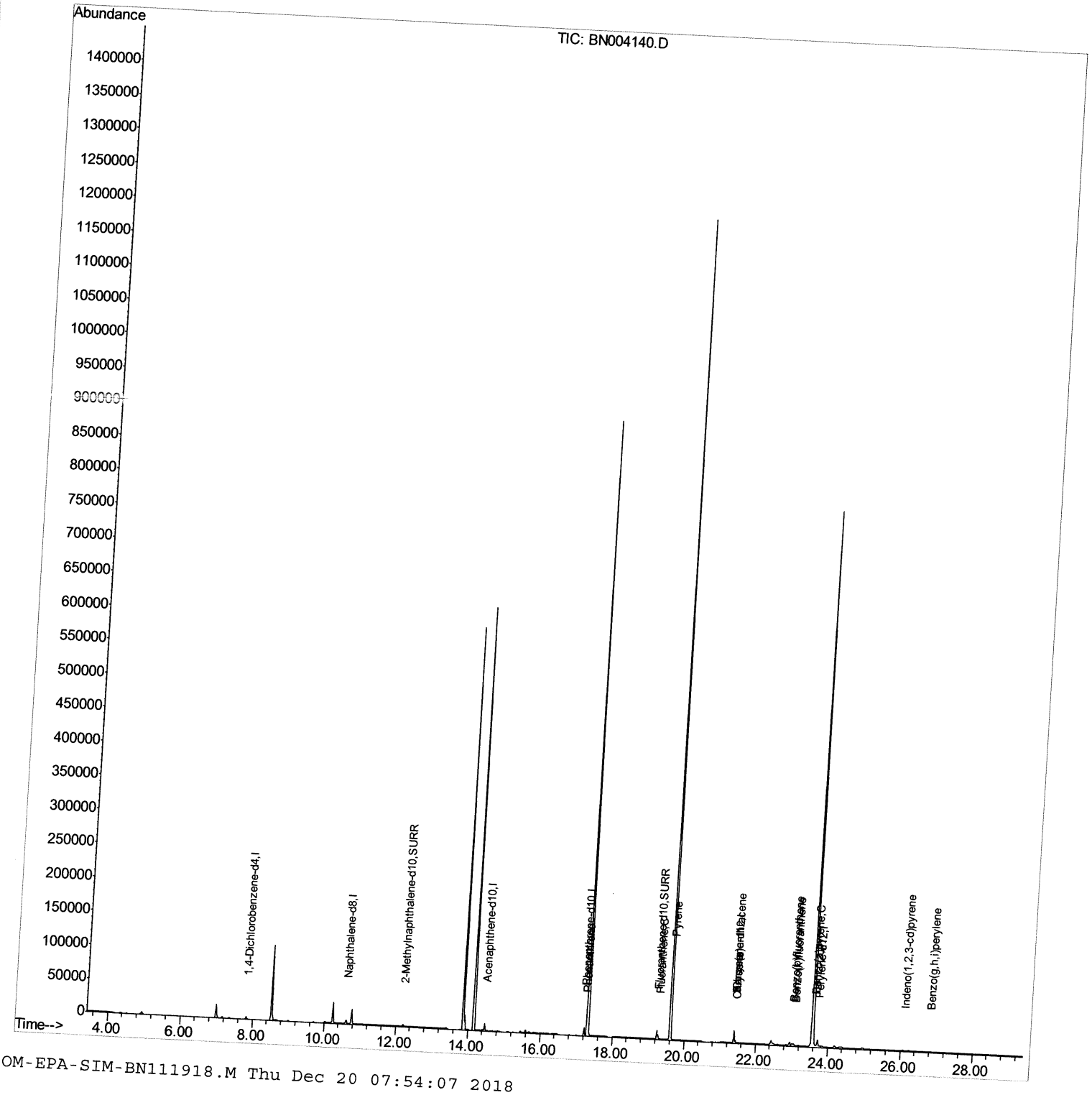
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D Quantitation Report (QT Reviewed)
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:56:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



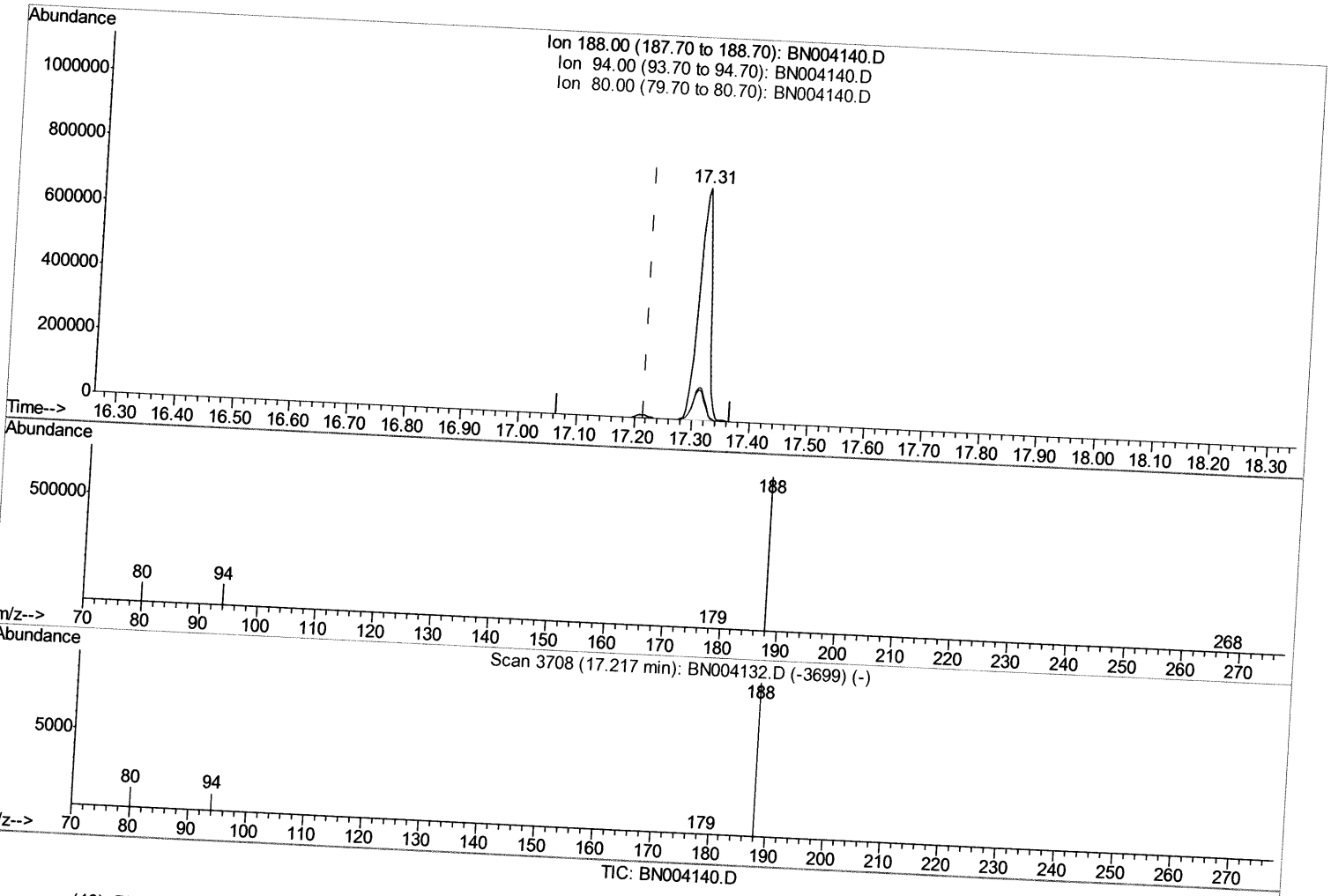
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D Quantitation Report (Qedit)
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:21:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(10) Phenanthrene-d10 (I)

17.314min (+0.097) 0.40ng/ul

response 1022159

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	13.61#
80.00	11.60	12.13
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

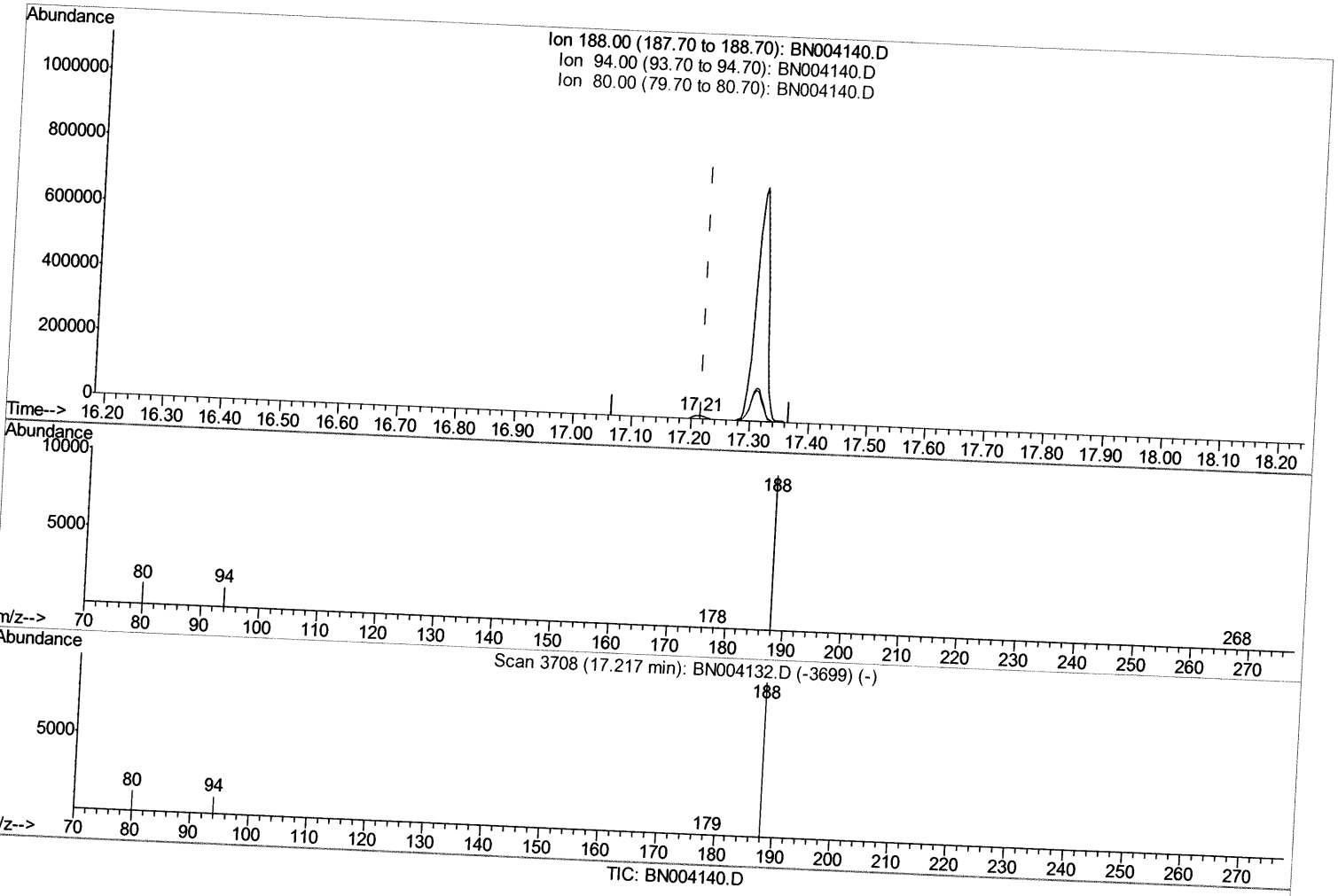
Data File : BN004140.D
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:21:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Quantitation Report (Qedit)

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(10) Phenanthrene-d10 (I)

17.213min (-0.004) 0.40ng/ul m > SJ 12/20/18

response 13808

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	12.80#
80.00	11.60	13.81
0.00	0.00	0.00

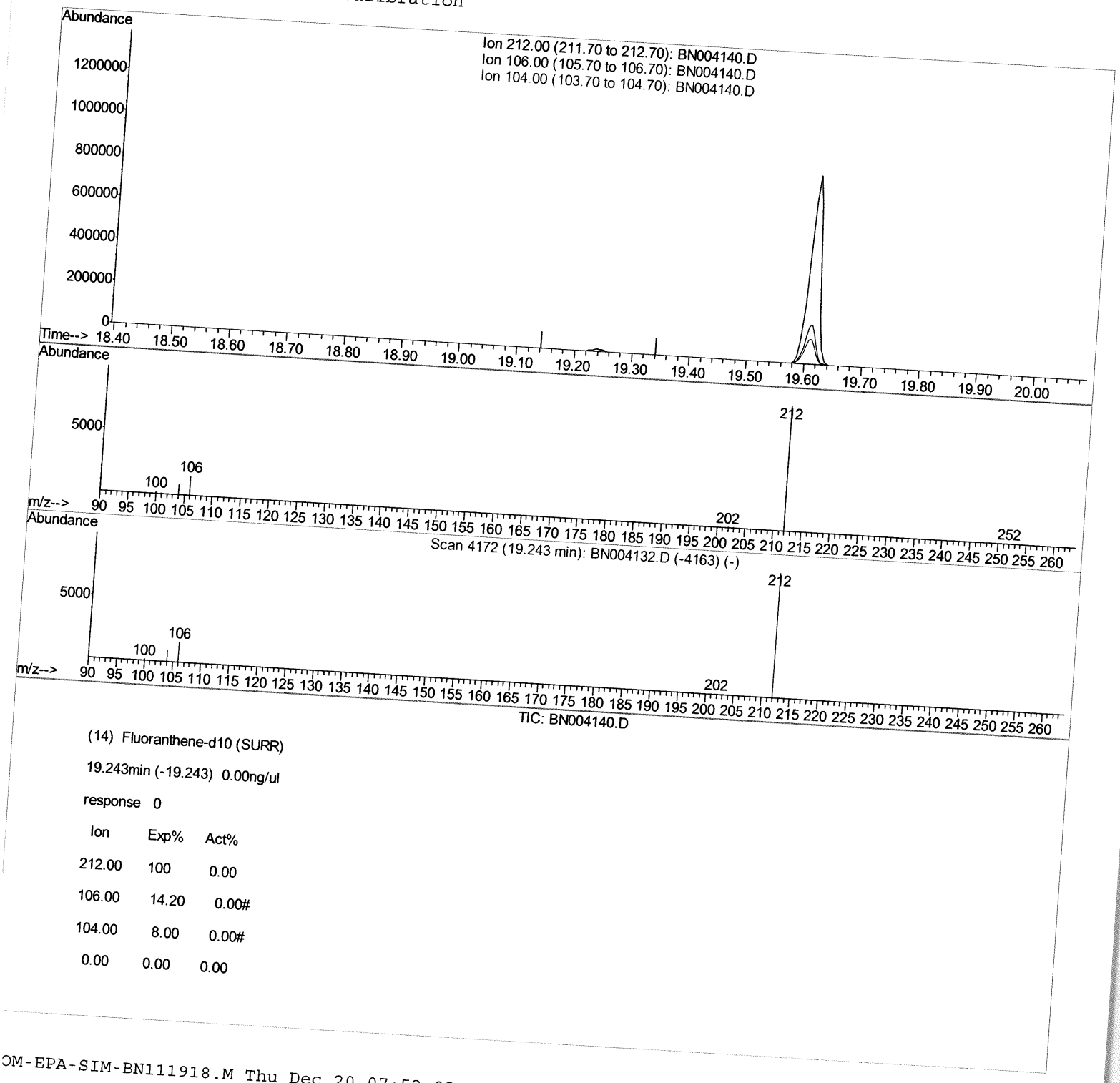
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D Quantitation Report (Qedit)
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:52:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(14) Fluoranthene-d10 (SURR)

19.243min (-19.243) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	14.20	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

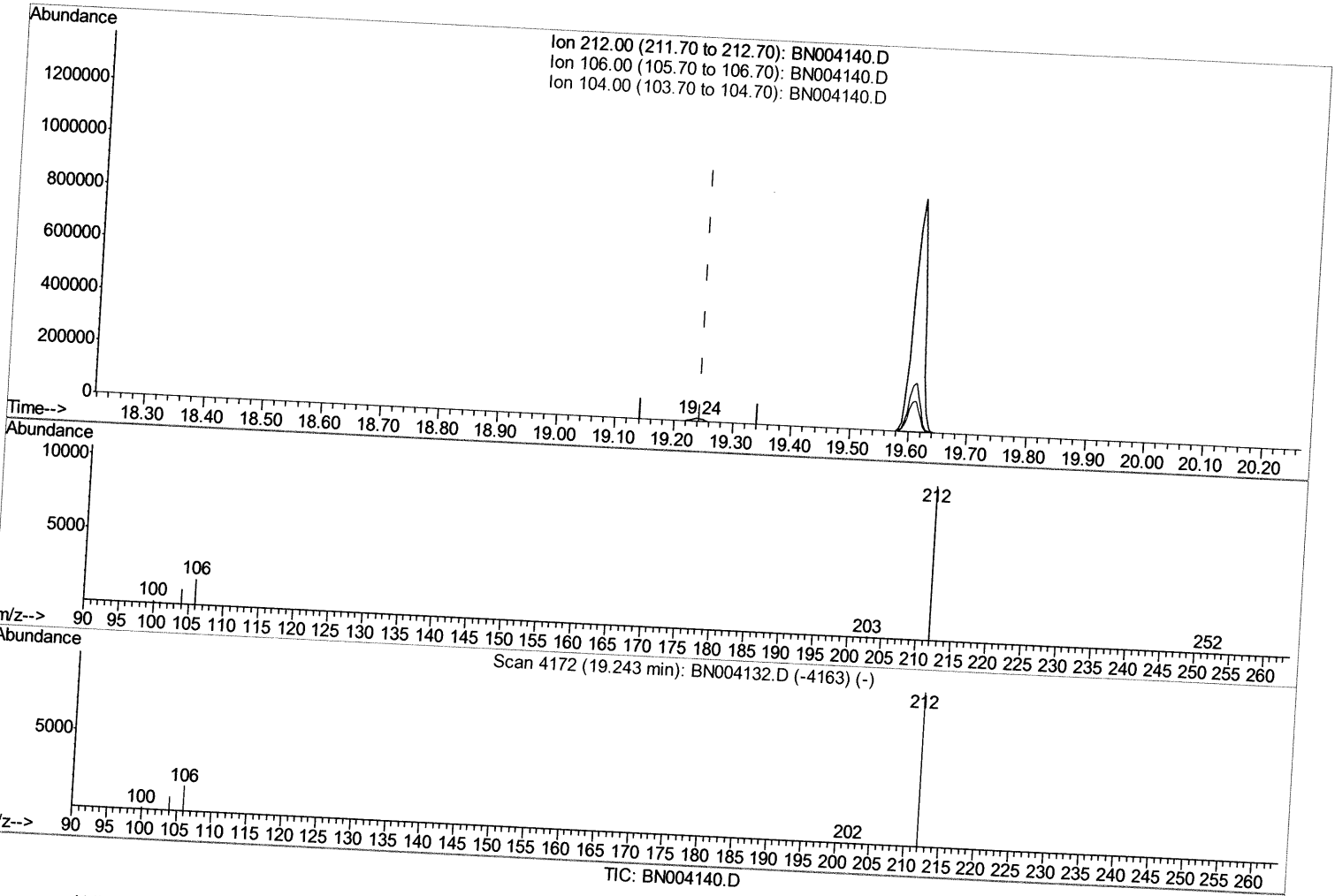
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D Quantitation Report (Qedit)
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:52:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(14) Fluoranthene-d10 (SURR)

19.239min (-0.004) 0.35ng/ul m

response 14042

> SJ 12/20/18

Ion	Exp%	Act%
212.00	100	100
106.00	14.20	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

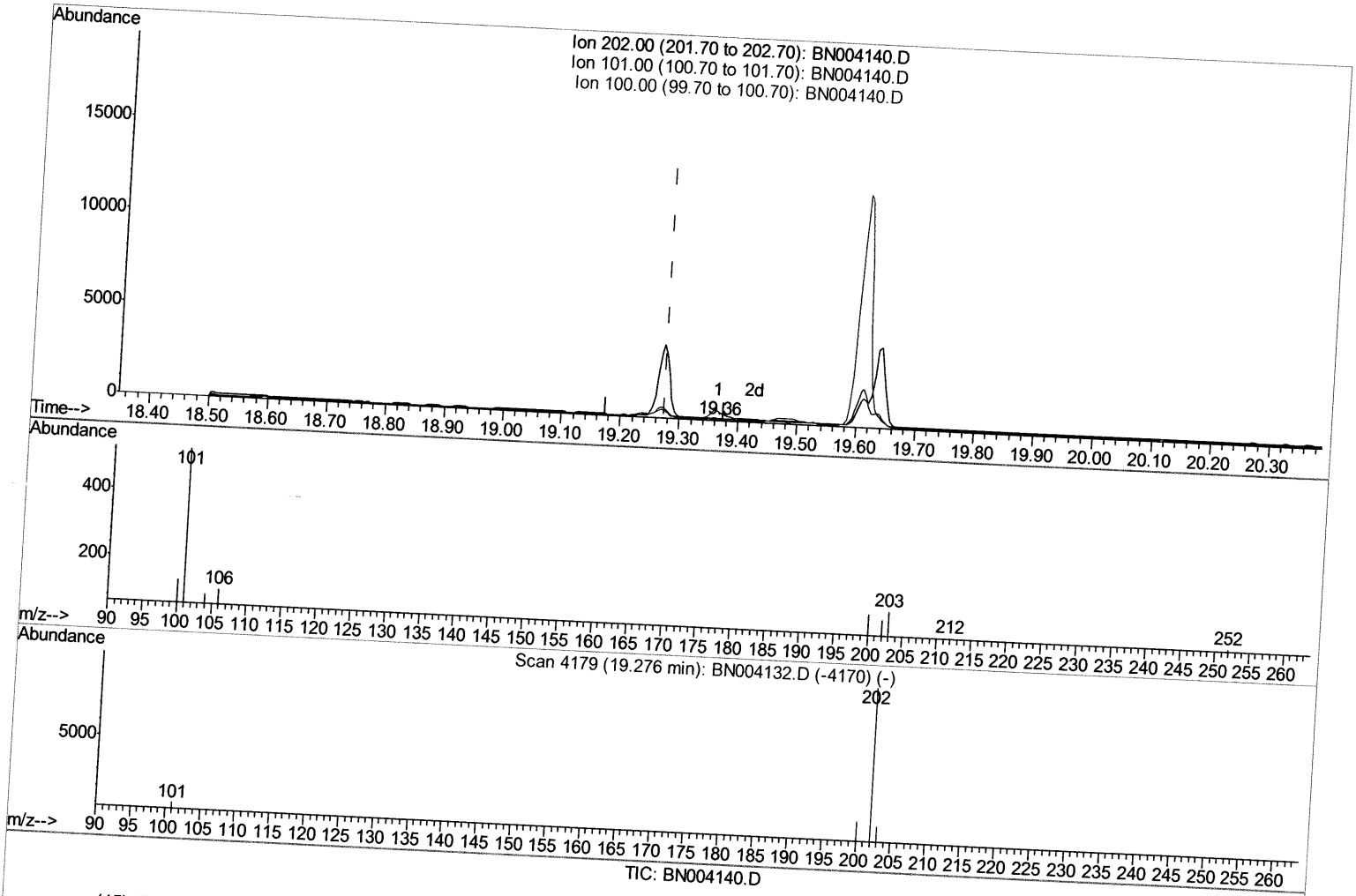
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D Quantitation Report (Qedit)
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:52:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(15) Fluoranthene (C)

19.364min (+0.089) 0.00ng/ul

response 44

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	463.16#
100.00	8.10	119.30#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

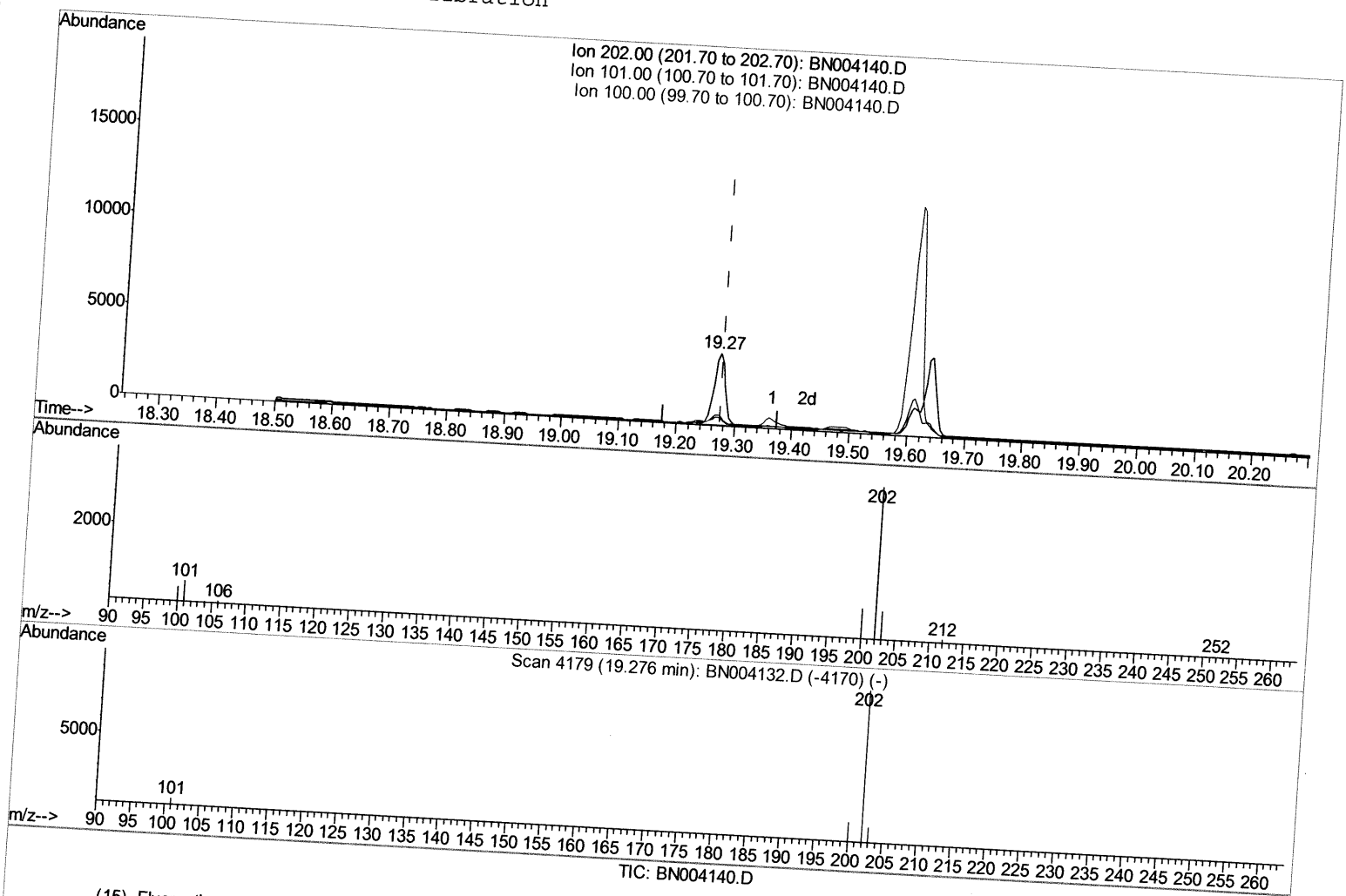
Data File : BN004140.D
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quantitation Report (Qedit)

Quant Time: Dec 20 07:52:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(15) Fluoranthene (C)

19.272min (-0.004) 0.09ng/ul m > SJ 12/20/18

response 5045

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	14.86
100.00	8.10	10.99
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

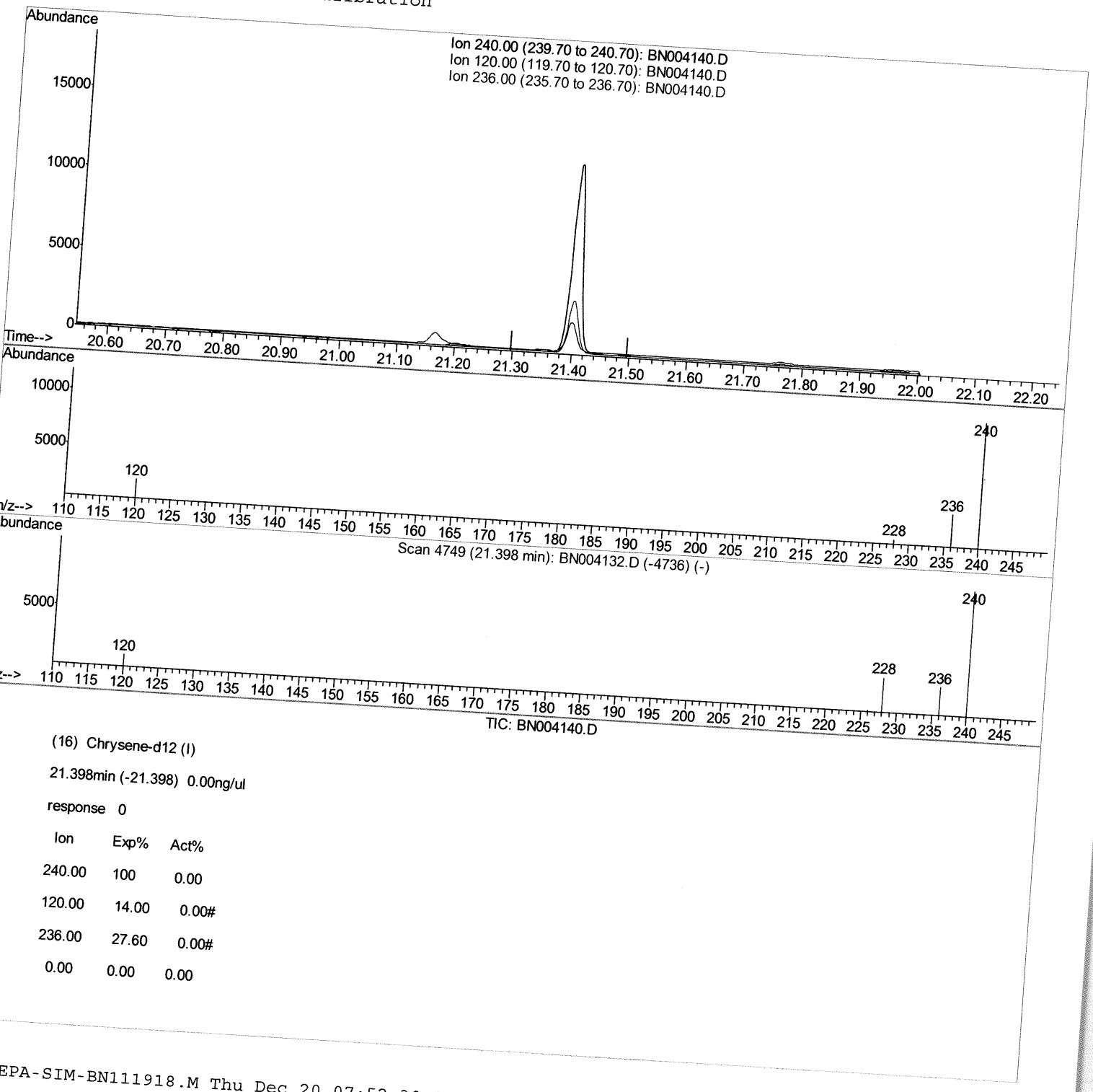
Data File : BN004140.D
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:52:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Quantitation Report (Qedit)

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(16) Chrysene-d12 (I)

21.398min (-21.398) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.00	0.00#
236.00	27.60	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

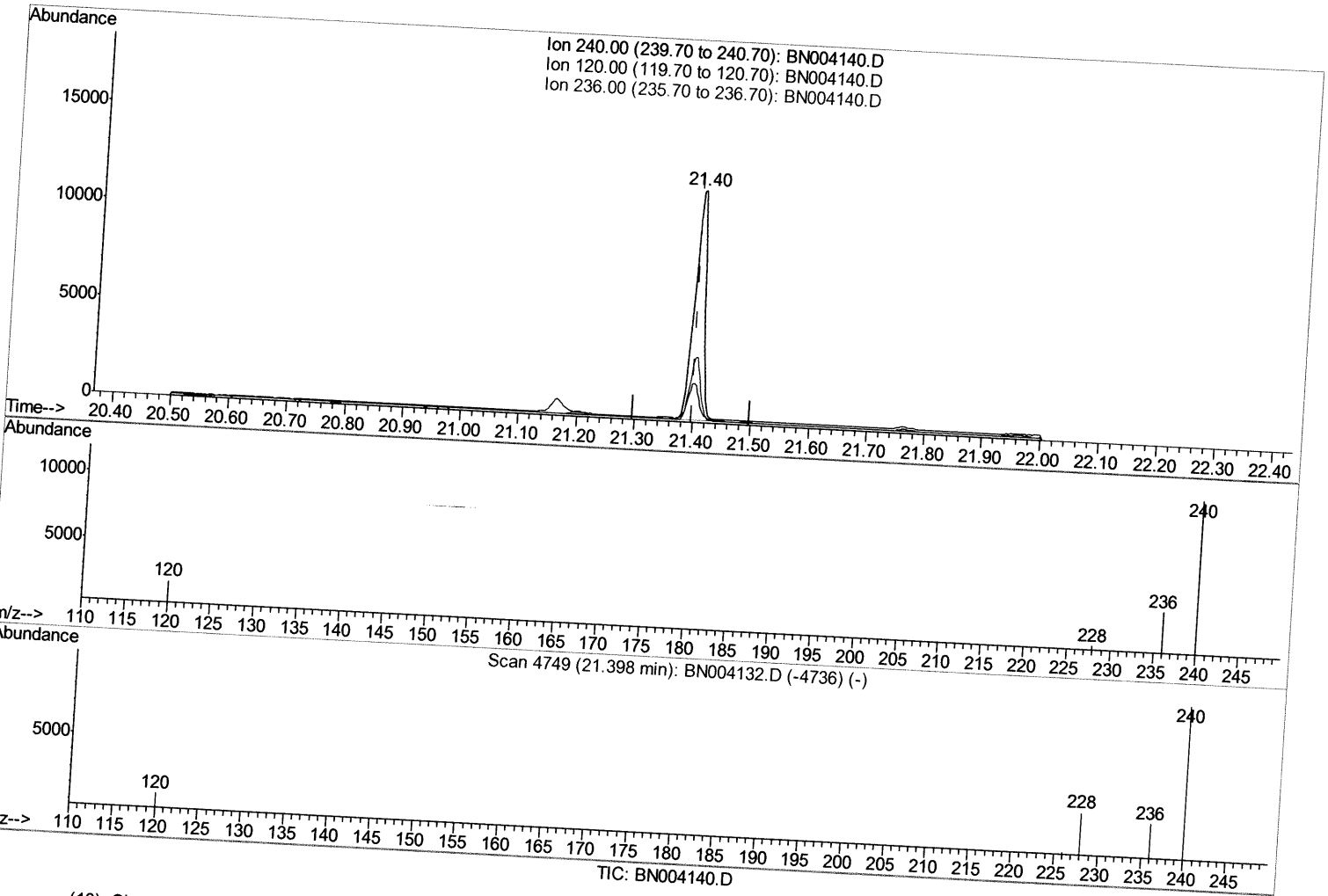
Data File : BN004140.D
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quantitation Report (Qedit)

Quant Time: Dec 20 07:52:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(16) Chrysene-d12 (I)

21.403min (+0.004) 0.40ng/ul m

response 14624

SJ 12/20/18

Ion	Exp%	Act%
240.00	100	100
120.00	14.00	15.87
236.00	27.60	28.11
0.00	0.00	0.00

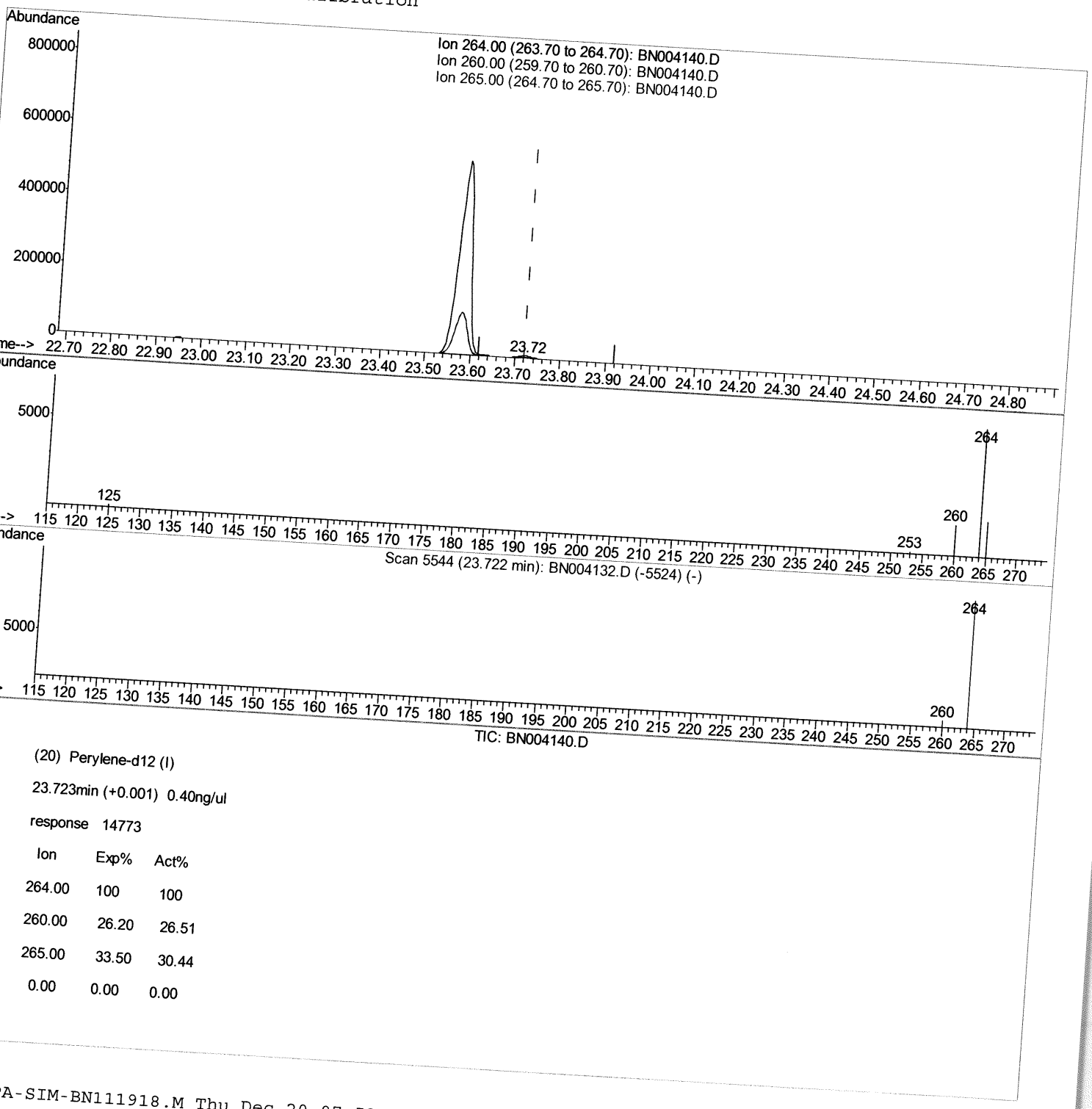
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D Quantitation Report (Qedit)
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:54:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(20) Perylene-d12 (I)

23.723min (+0.001) 0.40ng/ul

response 14773

Ion	Exp%	Act%
264.00	100	100
260.00	26.20	26.51
265.00	33.50	30.44
0.00	0.00	0.00

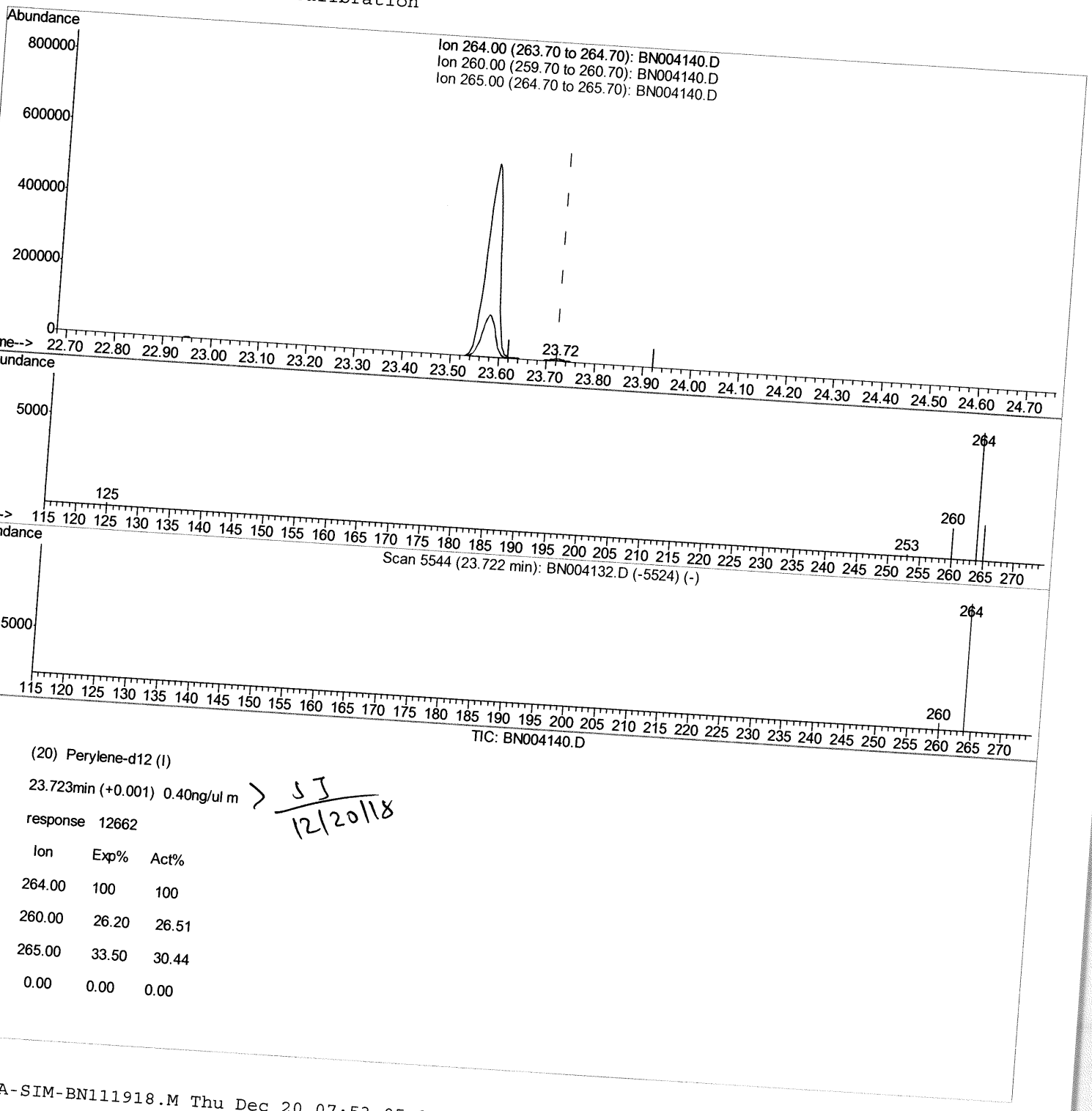
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D Quantitation Report (Qedit)
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:54:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(20) Perylene-d12 (I)

23.723min (+0.001) 0.40ng/ul m > JJ 12/20/18

response 12662

Ion	Exp%	Act%
264.00	100	100
260.00	26.20	26.51
265.00	33.50	30.44
0.00	0.00	0.00

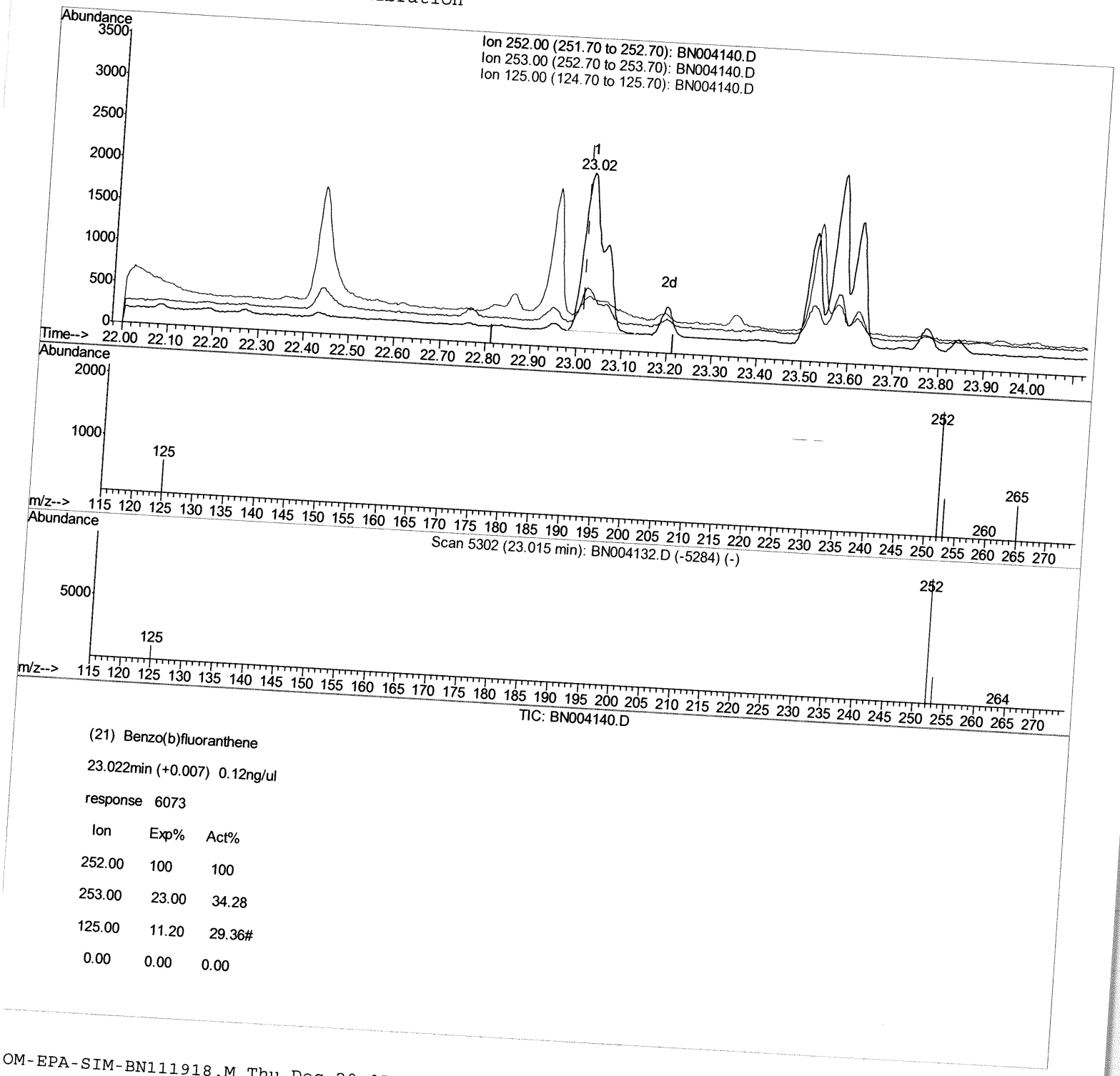
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D Quantitation Report (Qedit)
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:55:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(21) Benzo(b)fluoranthene

23.022min (+0.007) 0.12ng/ul

response 6073

Ion	Exp%	Act%
252.00	100	100
253.00	23.00	34.28
125.00	11.20	29.36#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

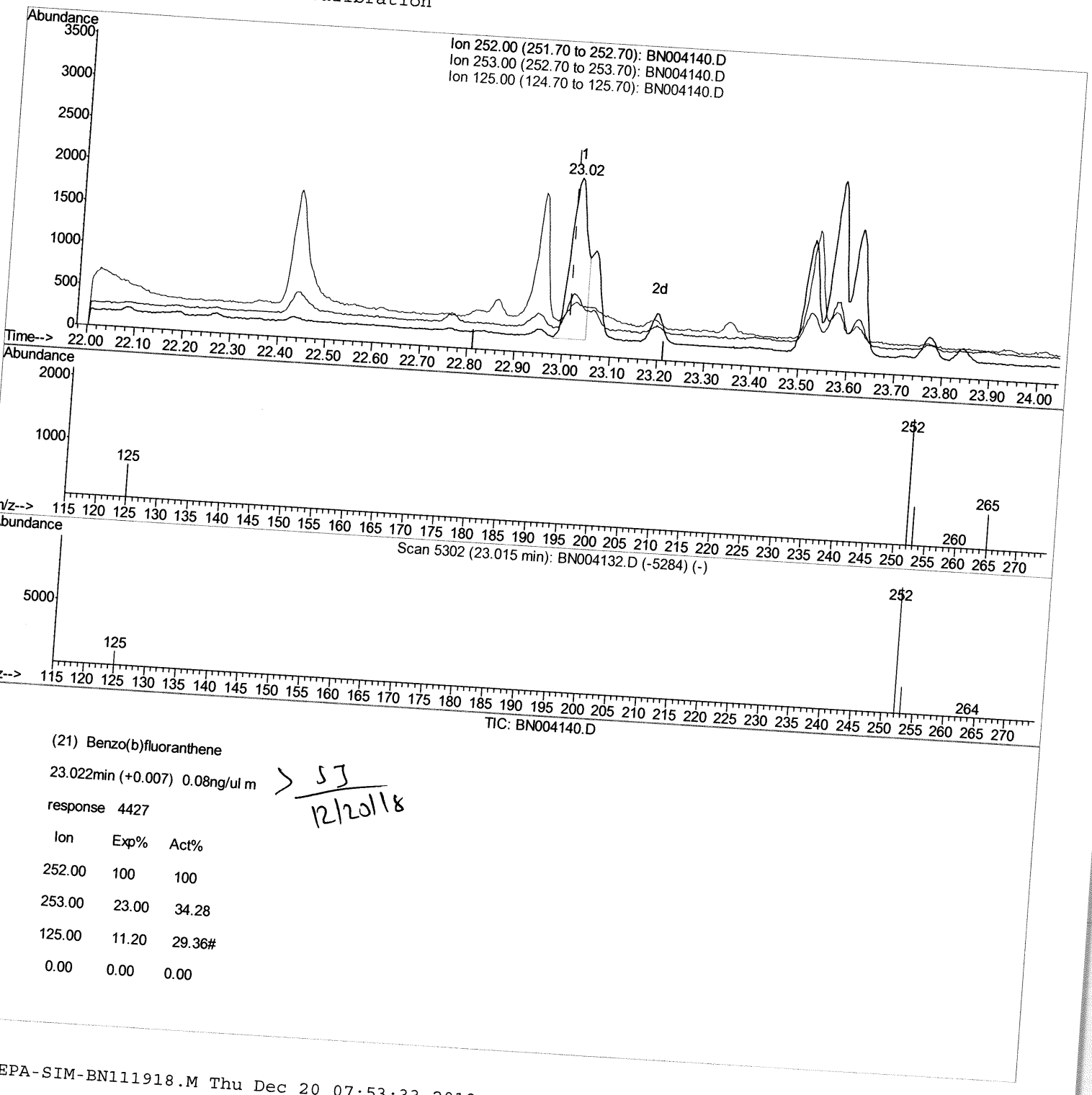
Data File : BN004140.D
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quantitation Report (Qedit)

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM

Quant Time: Dec 20 07:55:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.022min (+0.007) 0.08ng/ul m

response 4427

> SJ 12/20/18

Ion	Exp%	Act%
252.00	100	100
253.00	23.00	34.28
125.00	11.20	29.36#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

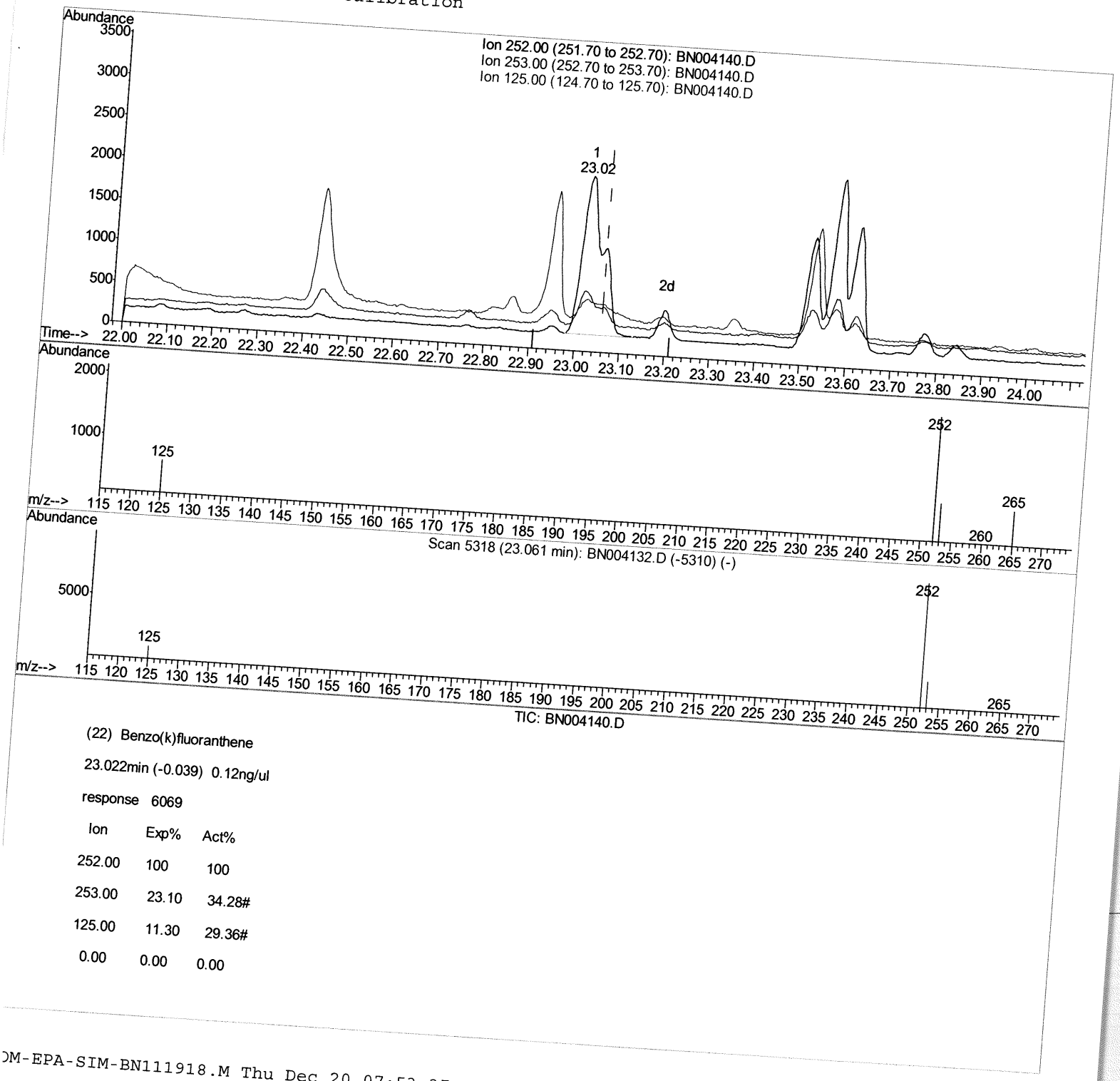
Data File : BN004140.D
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:55:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Quantitation Report (Qedit)

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(22) Benzo(k)fluoranthene

23.022min (-0.039) 0.12ng/ul

response 6069

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	34.28#
125.00	11.30	29.36#
0.00	0.00	0.00

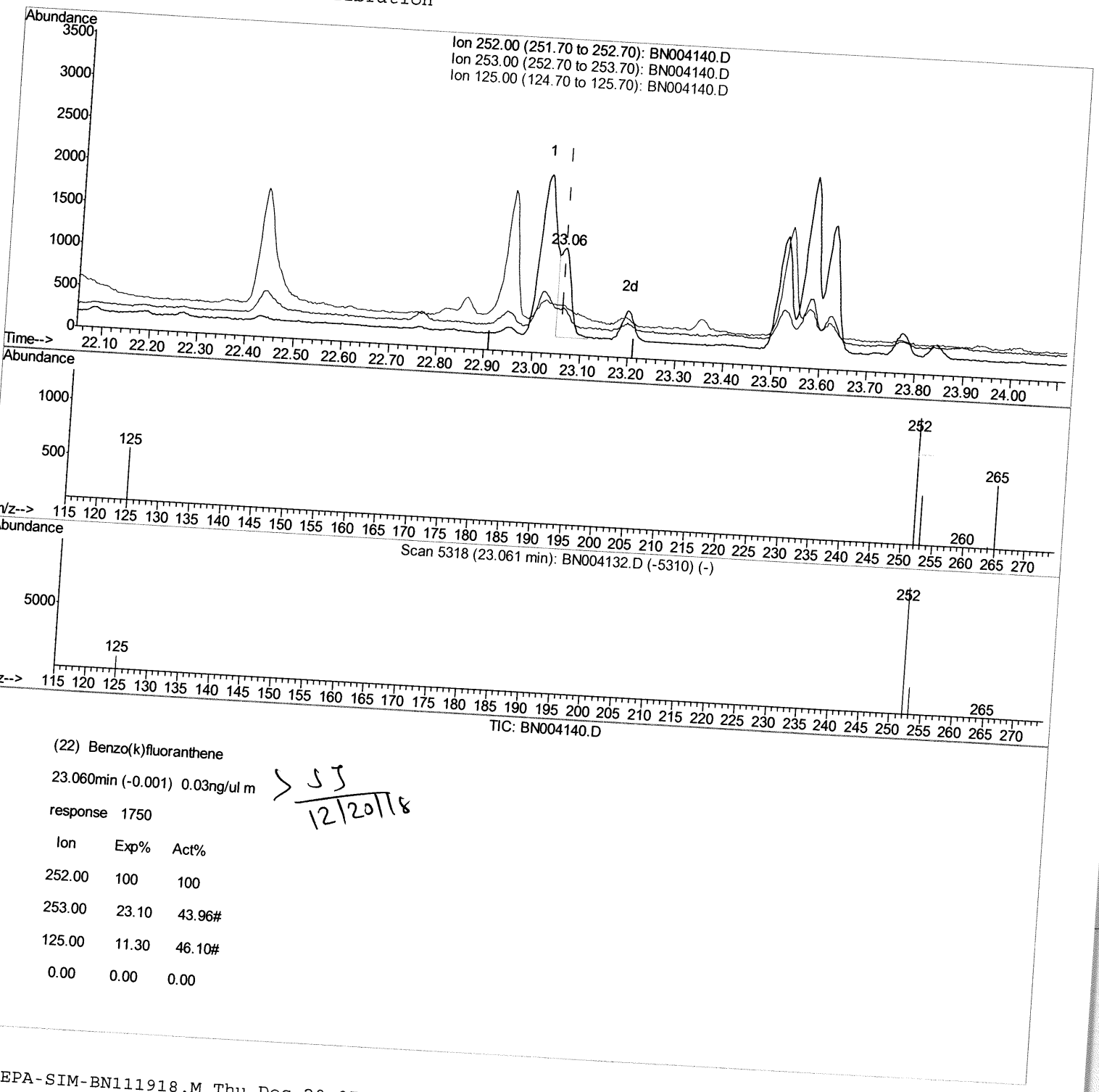
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D Quantitation Report (Qedit)
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 20 07:55:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM



(22) Benzo(k)fluoranthene

23.060min (-0.001) 0.03ng/ul m

response 1750

SJ 12/20/18

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	43.96#
125.00	11.30	46.10#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121918\

Data File : BN004140.D
Acq On : 20 Dec 2018 06:45
Operator : JU/SJ
Sample : J6297-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quantitation Report (QT Reviewed)

Quant Time: Dec 20 07:56:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : F9E70

Manual Integrations APPROVED
Sohil
12/20/2018 2:04:10 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1597	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	8564	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5404	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	13808m	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	14624m	0.40	ng/ul	0.00
20) Perylene-d12	23.72	264	12662m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	4228	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	14042m	0.35	ng/ul	0.00
Target Compounds						Qvalue
12) Phenanthrene	17.26	178	3042	0.067	ng/ul	93
15) Fluoranthene	19.27	202	5045m	0.094	ng/ul	
17) Pyrene	19.64	202	5418	0.103	ng/ul#	92
18) Benzo(a)anthracene	21.39	228	3094	0.067	ng/ul#	89
19) Chrysene	21.44	228	4102	0.078	ng/ul#	93
21) Benzo(b)fluoranthene	23.02	252	4427m	0.085	ng/ul	
22) Benzo(k)fluoranthene	23.06	252	1750m	0.034	ng/ul	
23) Benzo(a)pyrene	23.62	252	2650	0.058	ng/ul#	66
24) Indeno(1,2,3-cd)pyrene	26.08	276	1883	0.036	ng/ul#	97
26) Benzo(g,h,i)perylene	26.82	276	1638	0.036	ng/ul#	61

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

SJ 12/20/18