Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

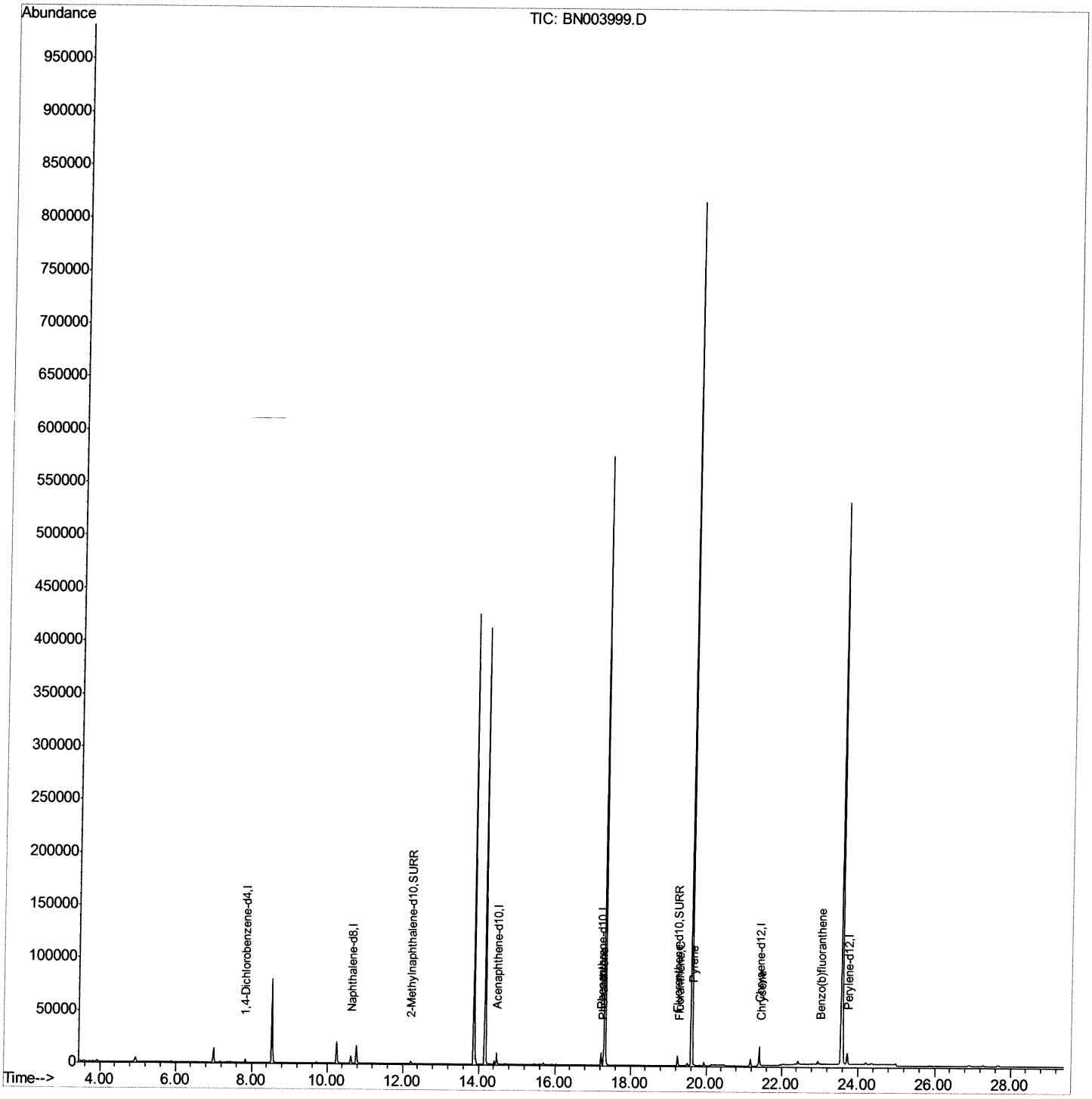
Quantitation Report (QT Reviewed)

Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 05:45:13 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 : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

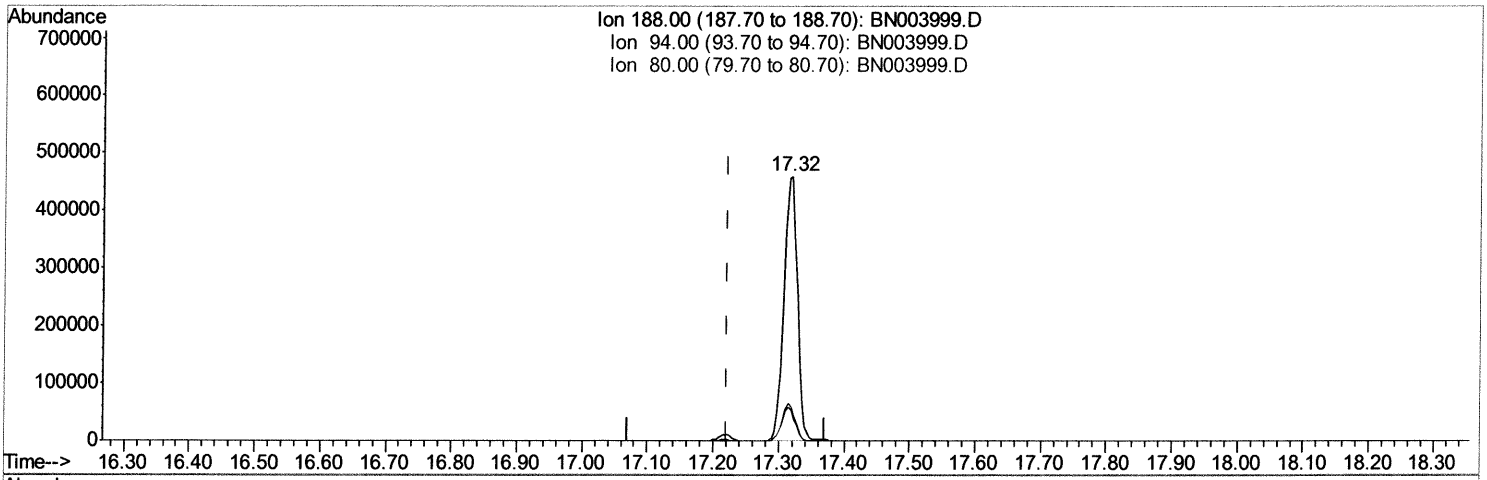
Quantitation Report (Qedit)

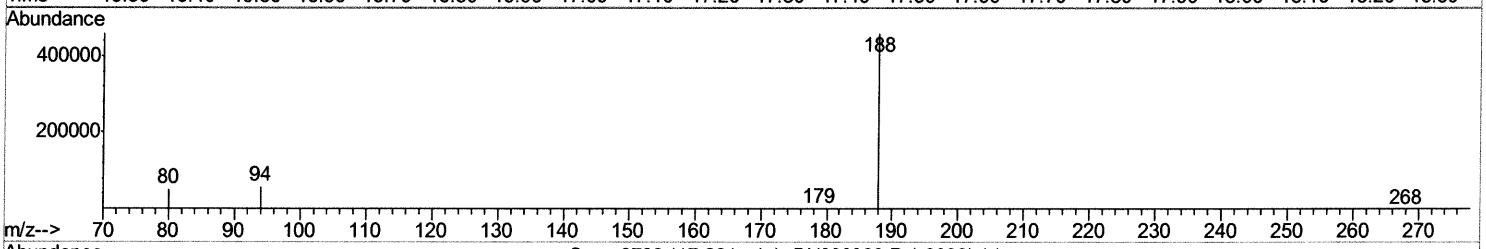
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

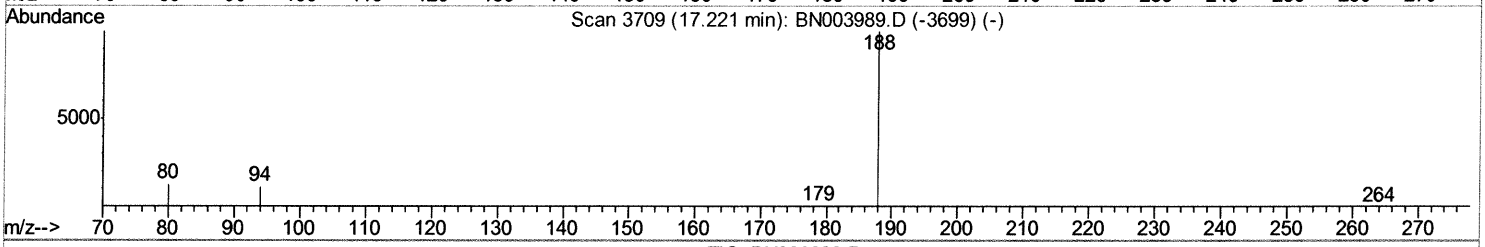
Quant Time: Dec 17 04:10:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(10) Phenanthrene-d10 (I)

17.318min (+0.097) 0.40ng/ul

response 649300

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	12.64#
80.00	11.60	11.29
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

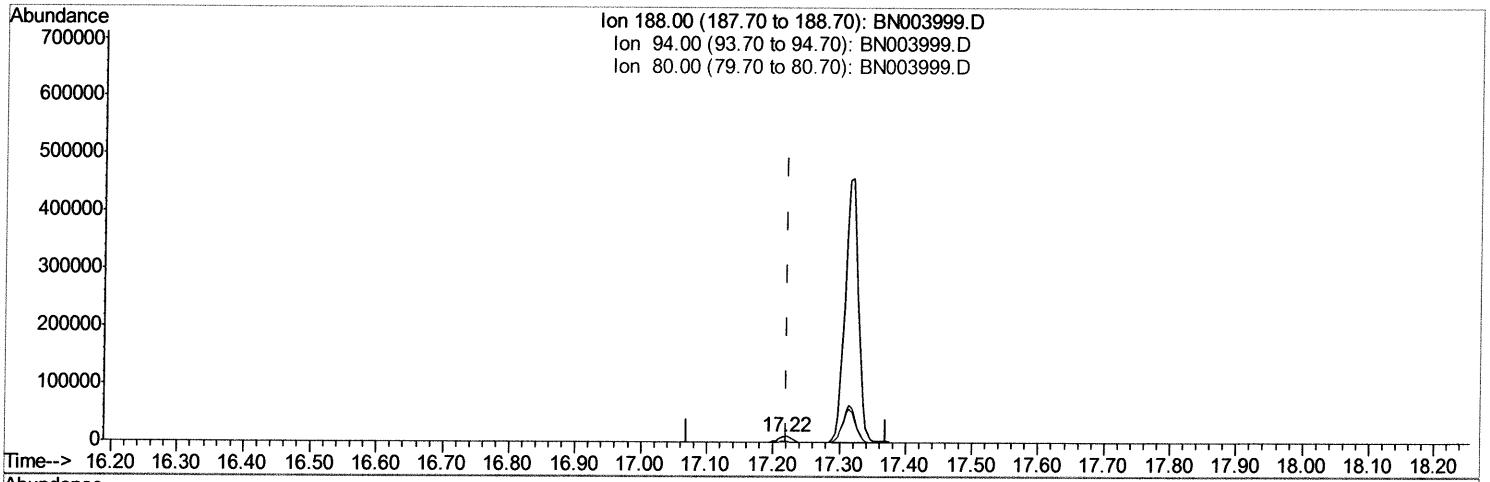
Quantitation Report (Qedit)

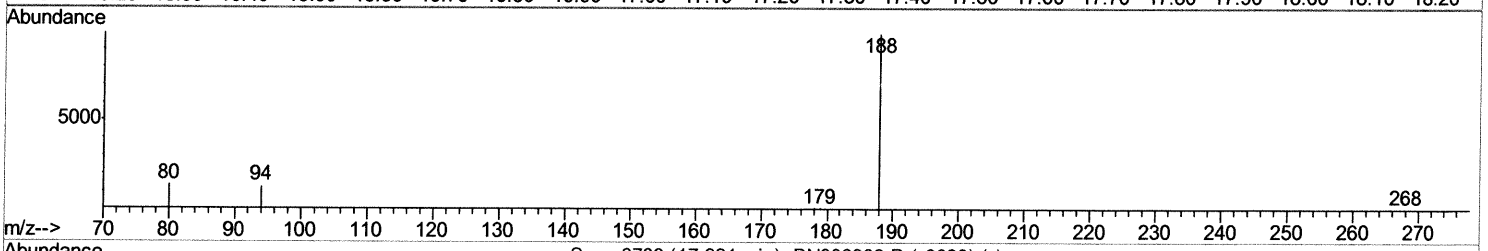
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

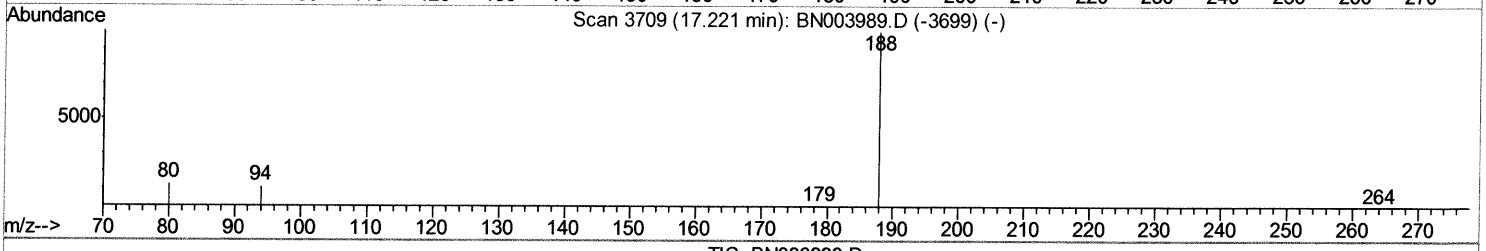
Quant Time: Dec 17 04:10:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(10) Phenanthrene-d10 (I)

17.217min (-0.004) 0.40ng/ul m

response 13983

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	12.76#
80.00	11.60	13.89
0.00	0.00	0.00

SJ 12/17/18

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

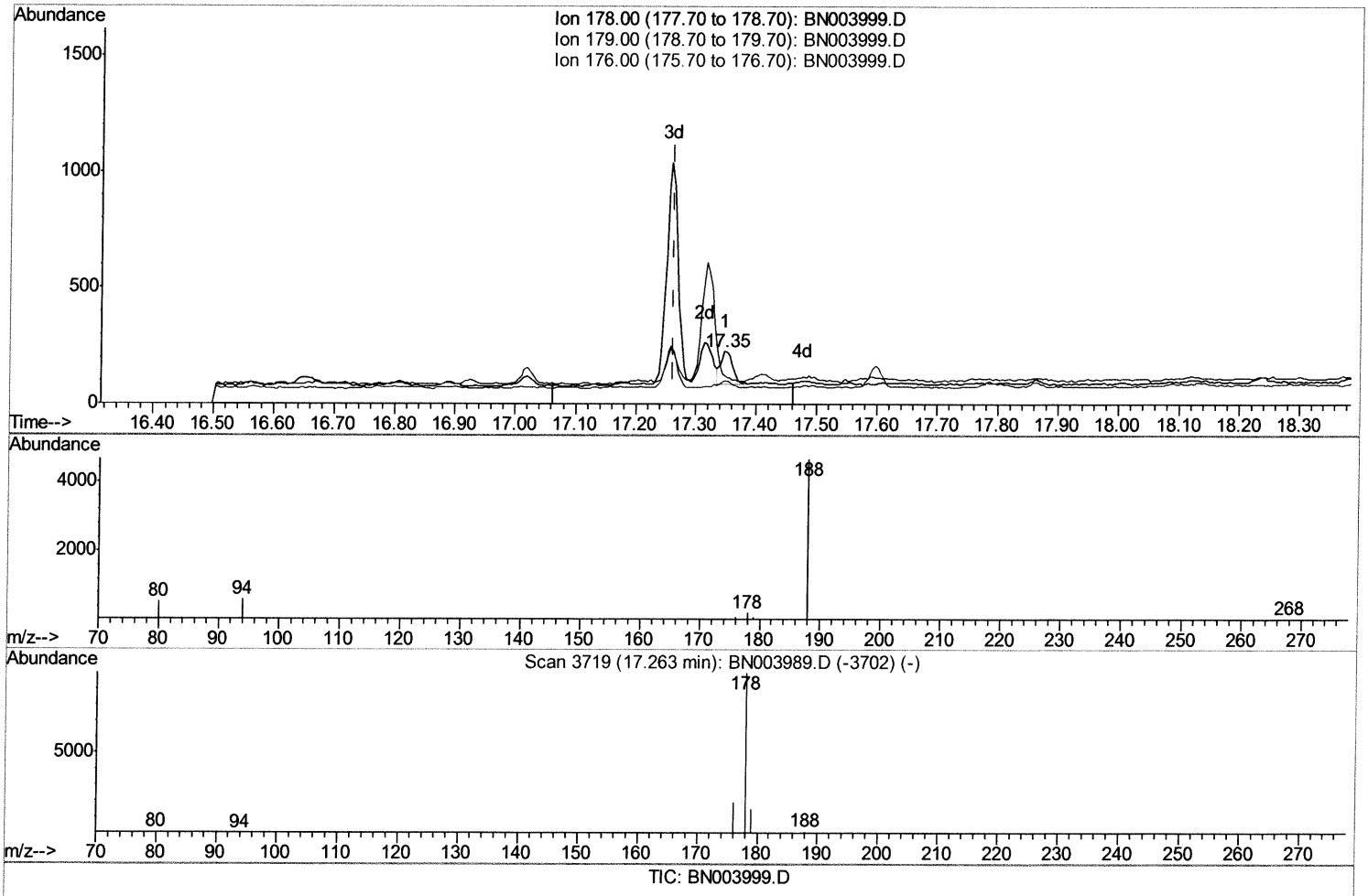
Quantitation Report (Qedit)

Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 05:39:11 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 : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM



TIC: BN003999.D

(12) Phenanthrene

17.348min (+0.084) 0.00ng/ul

response 195

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	54.19#
176.00	18.70	43.61#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

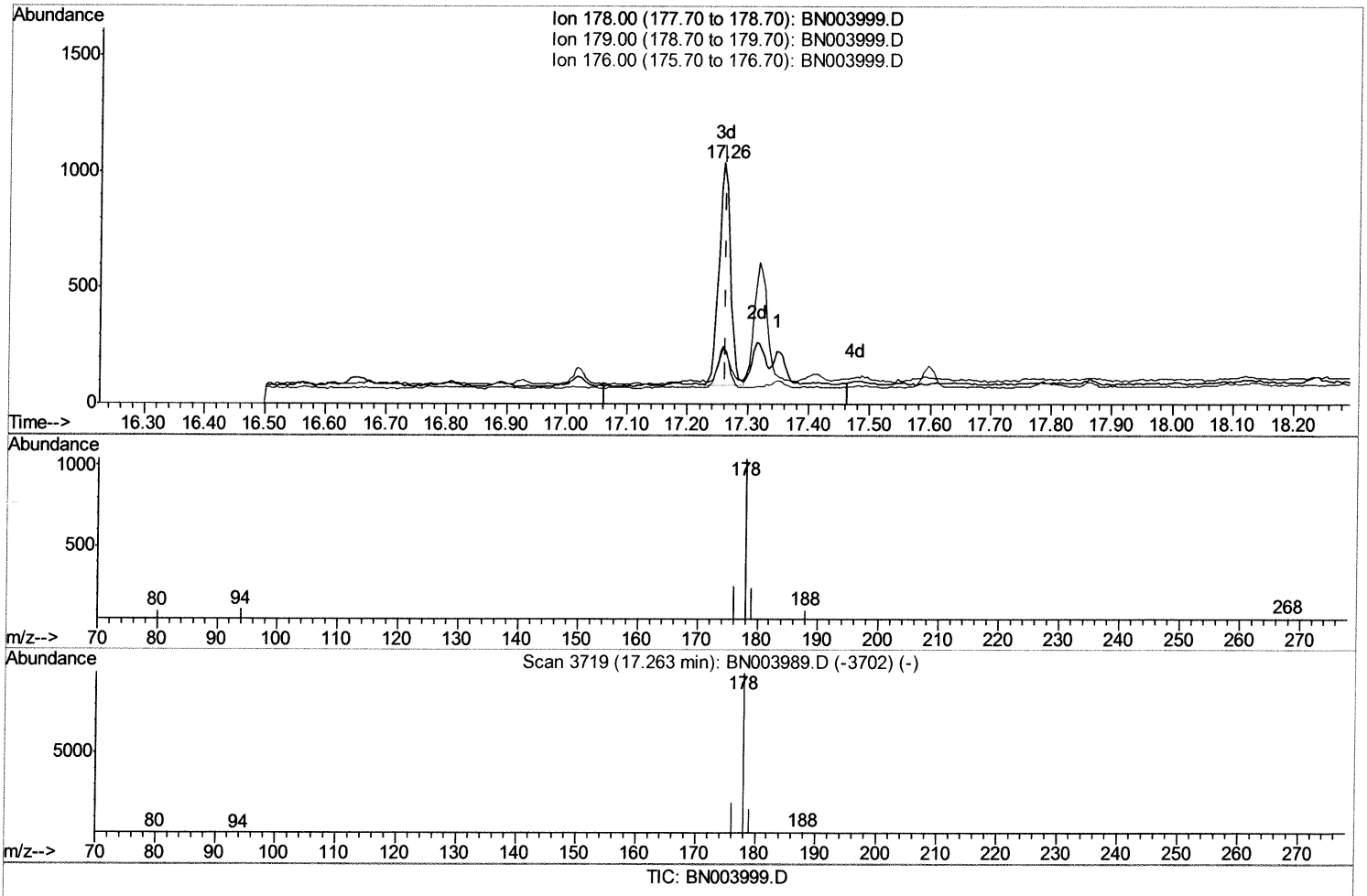
Quantitation Report (Qedit)

Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 05:39:11 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 : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM



TIC: BN003999.D

(12) Phenanthrene

17.259min (-0.004) 0.03ng/ul m

response 1288

SJ 12/17/18

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	23.05#
176.00	18.70	24.30#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

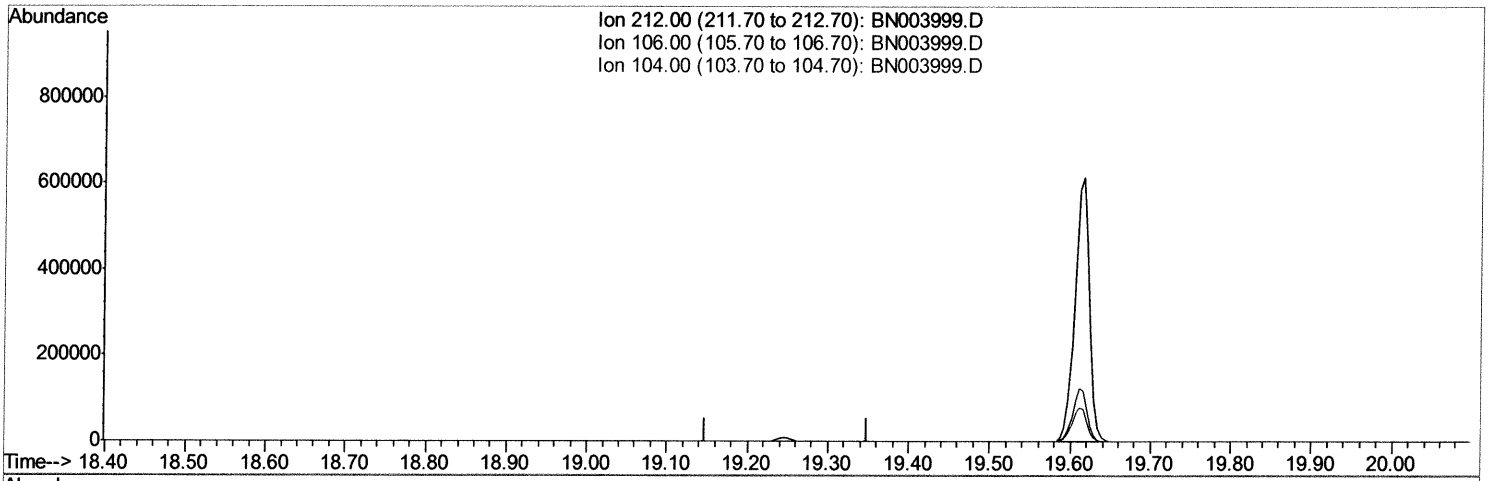
Quantitation Report (Qedit)

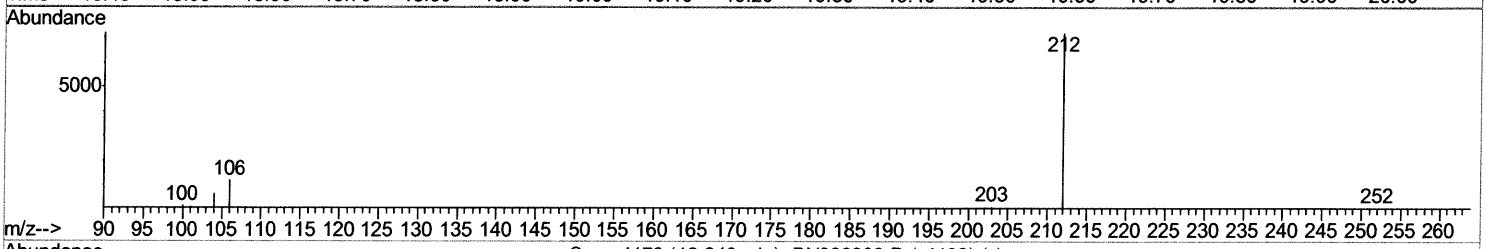
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

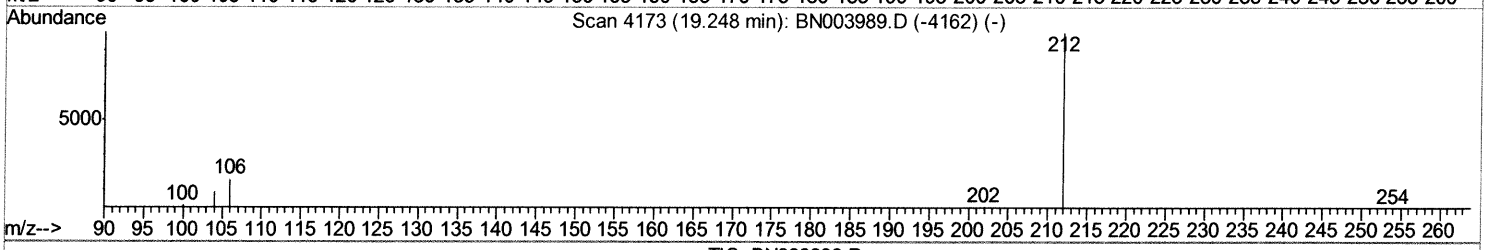
Quant Time: Dec 17 05:39:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(14) Fluoranthene-d10 (SURR)

19.248min (-19.248) 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\BN121618\

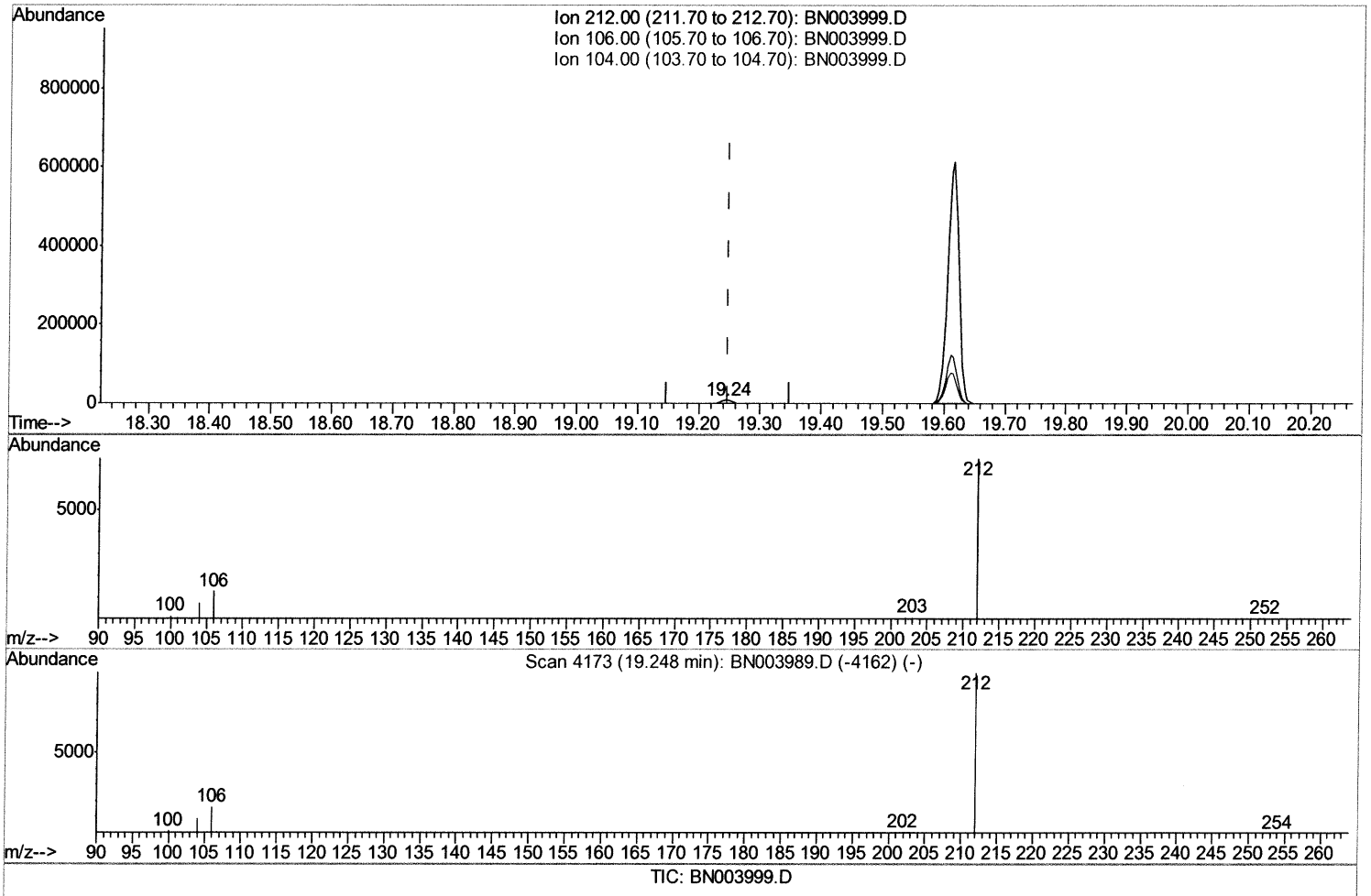
Quantitation Report (Qedit)

Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 05:39:11 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 : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM



(14) Fluoranthene-d10 (SURR)

19.244min (-0.005) 0.24ng/ul m

response 9799

SJ 12/17/18

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\BN121618\

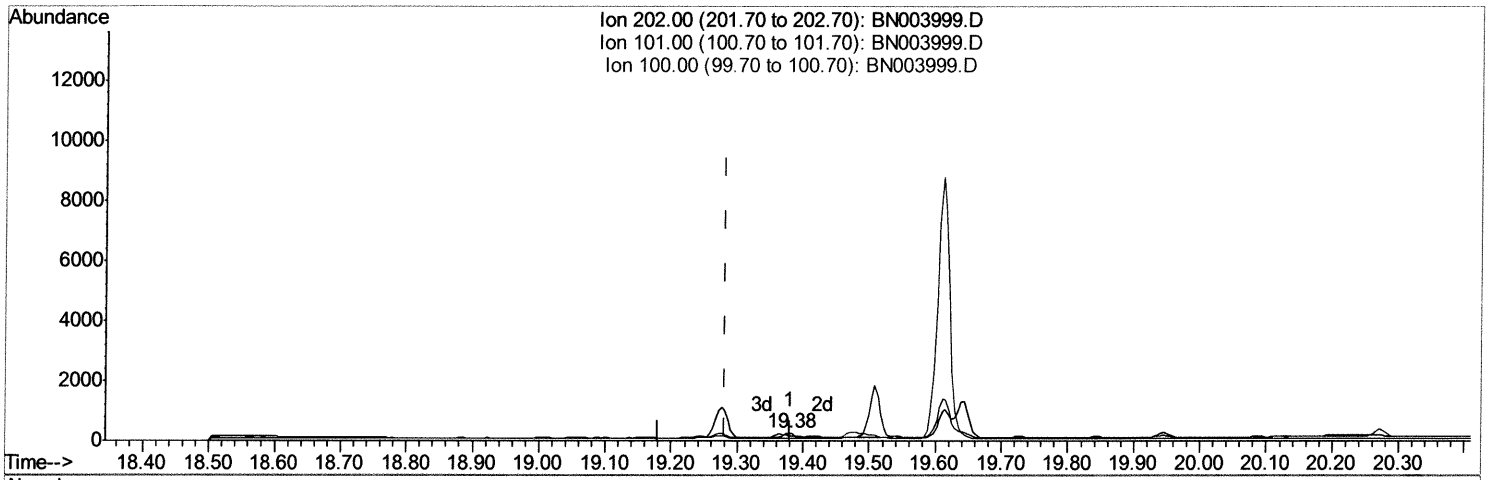
Quantitation Report (Qedit)

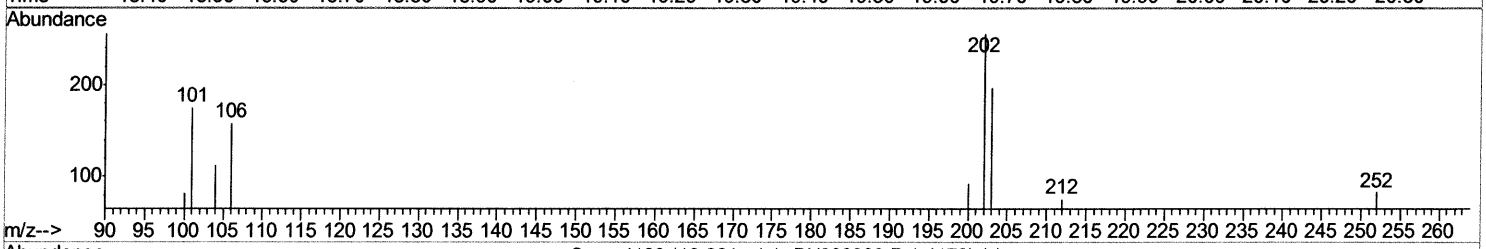
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

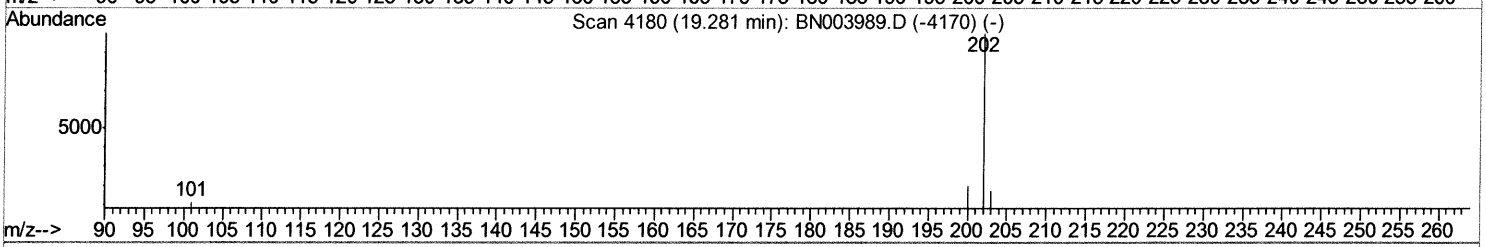
Quant Time: Dec 17 05:39:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(15) Fluoranthene (C)

19.378min (+0.098) 0.00ng/ul

response 204

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	68.36#
100.00	8.10	32.03#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

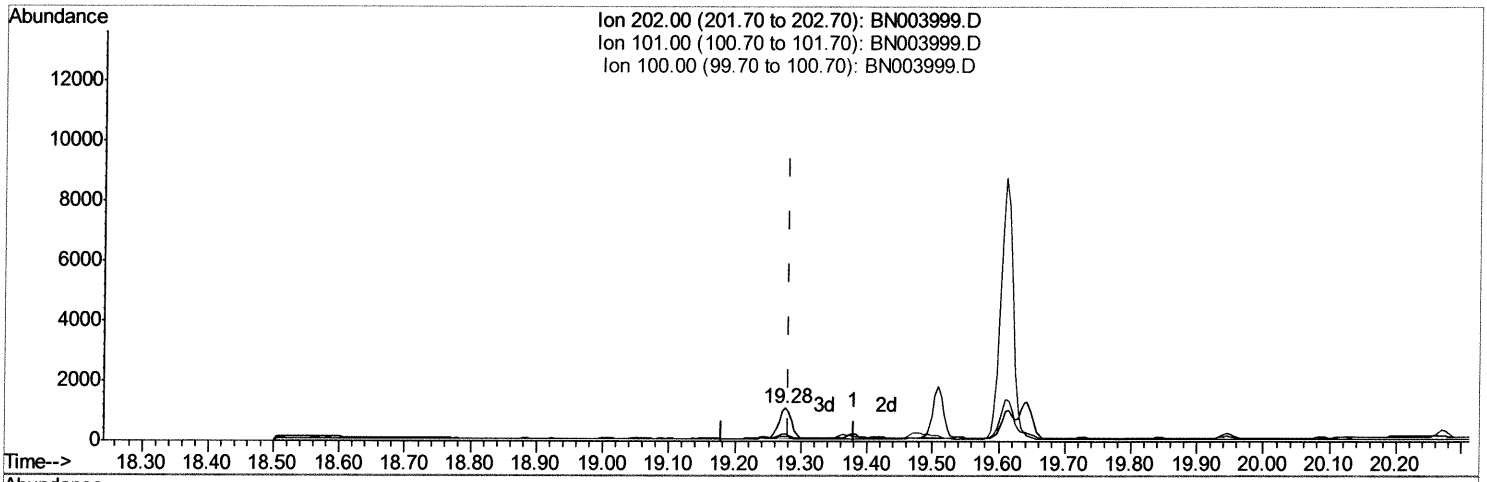
Quantitation Report (Qedit)

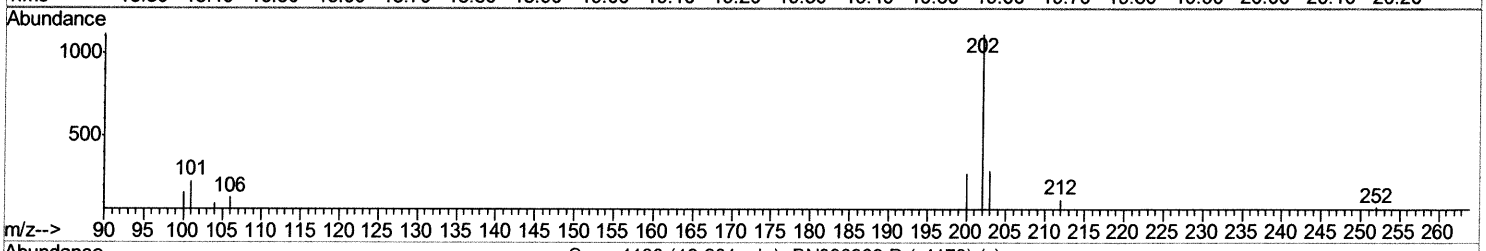
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

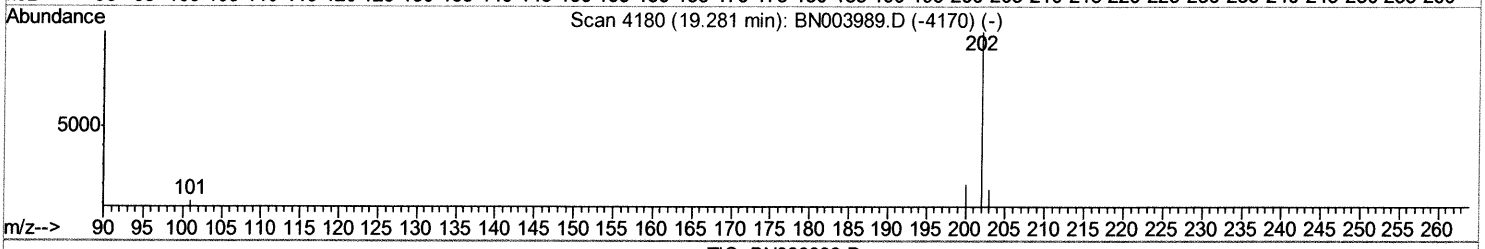
Quant Time: Dec 17 05:39:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(15) Fluoranthene (C)

19.276min (-0.005) 0.03ng/ul m

response 1398

SJ 12/17/18

Ion	Exp%	Act%
202.00	100	100
101.00	10.70	20.86
100.00	8.10	15.11
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

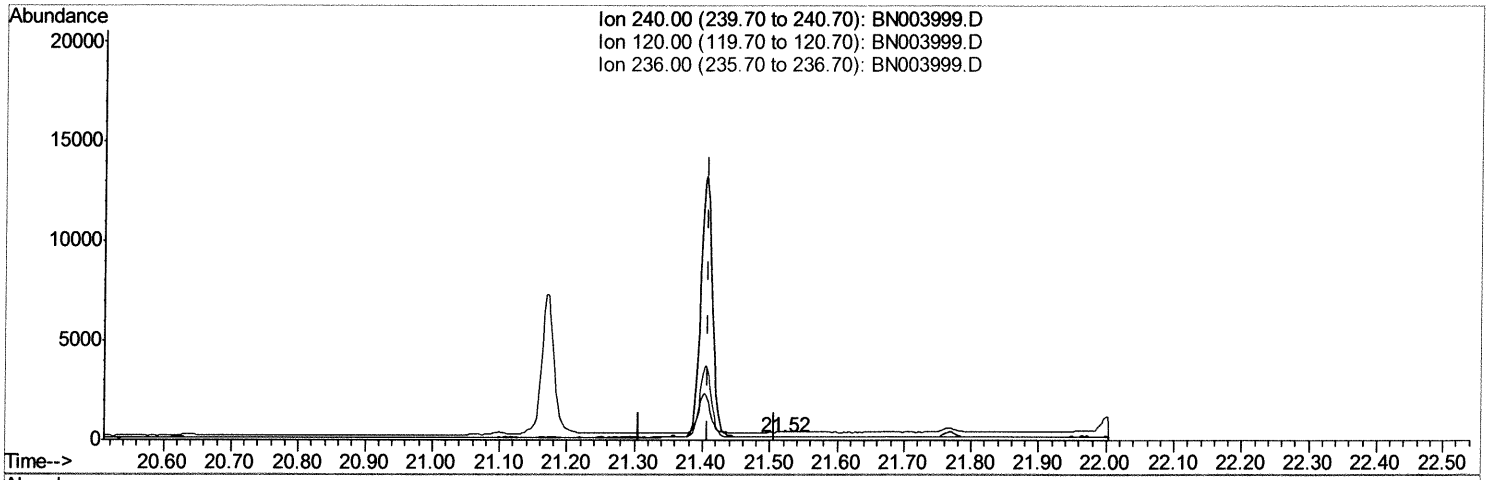
Quantitation Report (Qedit)

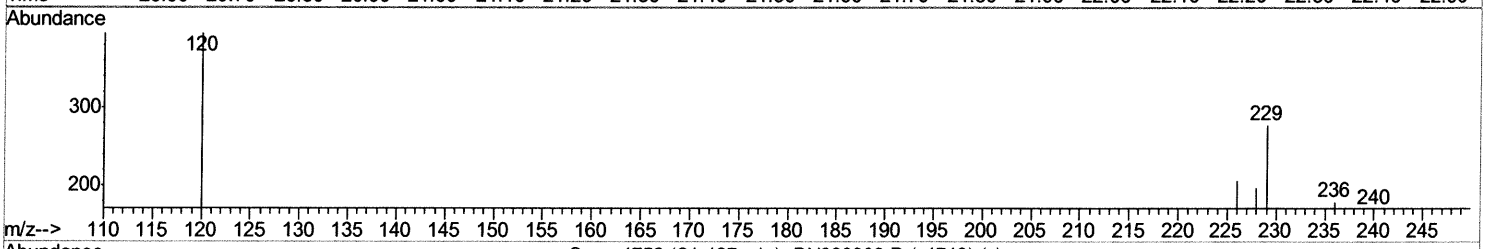
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

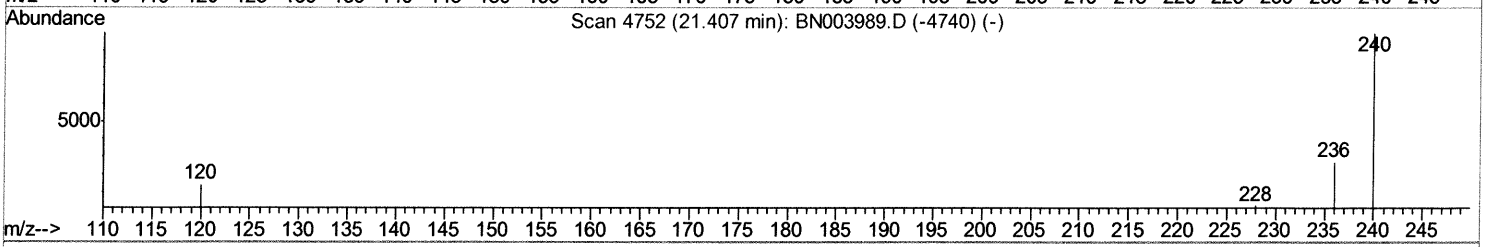
Quant Time: Dec 17 05:39:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(16) Chrysene-d12 (I)

21.519min (+0.112) 0.40ng/ul

response 13

Ion	Exp%	Act%
240.00	100	100
120.00	14.00	230.99#
236.00	27.60	104.68#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

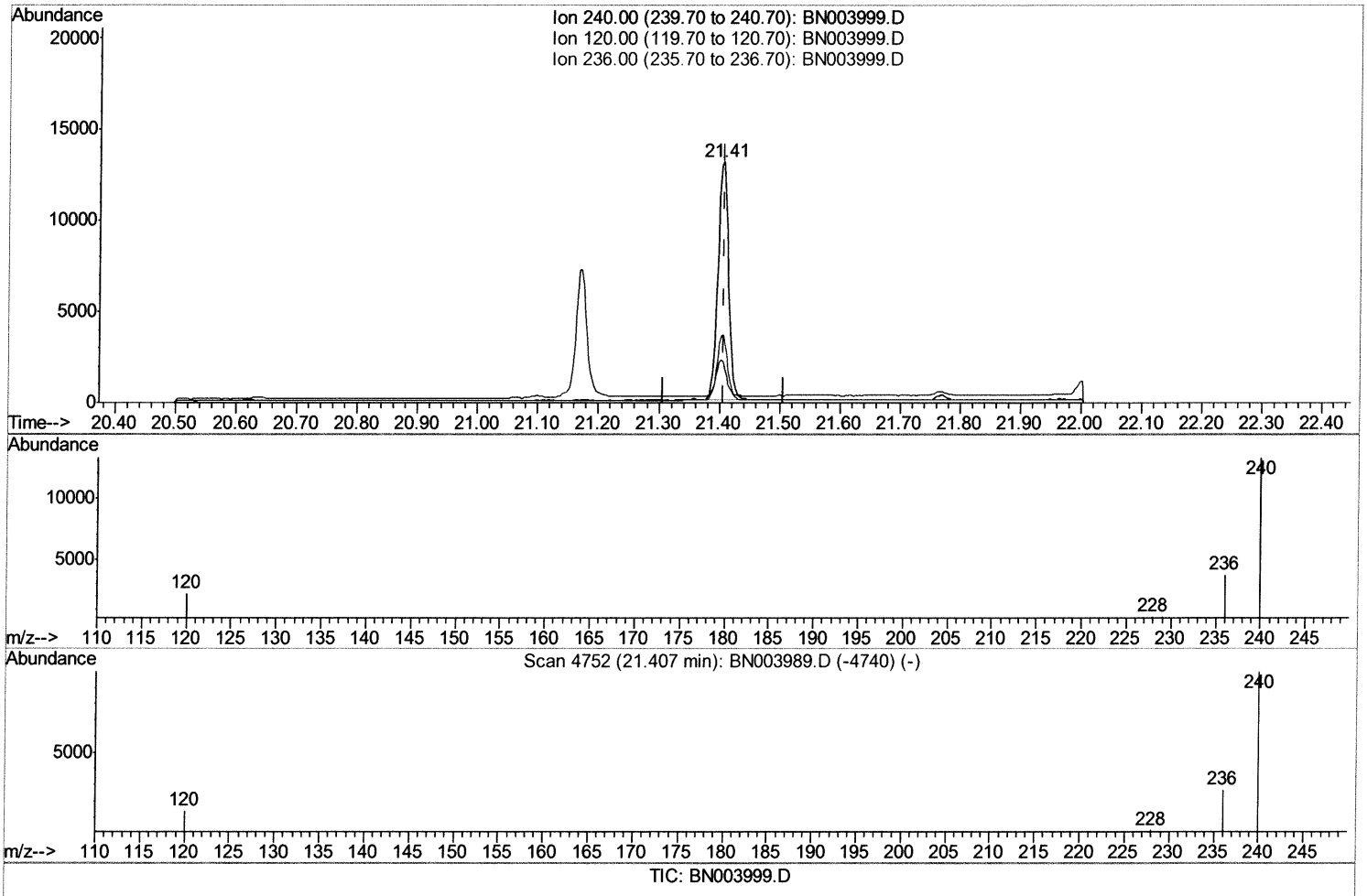
Quantitation Report (Qedit)

Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 05:39:11 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 : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM



TIC: BN003999.D

(16) Chrysene-d12 (I)

21.406min (-0.002) 0.40ng/ul m

response 16113

SJ 12/17/18

Ion	Exp%	Act%
240.00	100	100
120.00	14.00	16.80
236.00	27.60	28.36
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

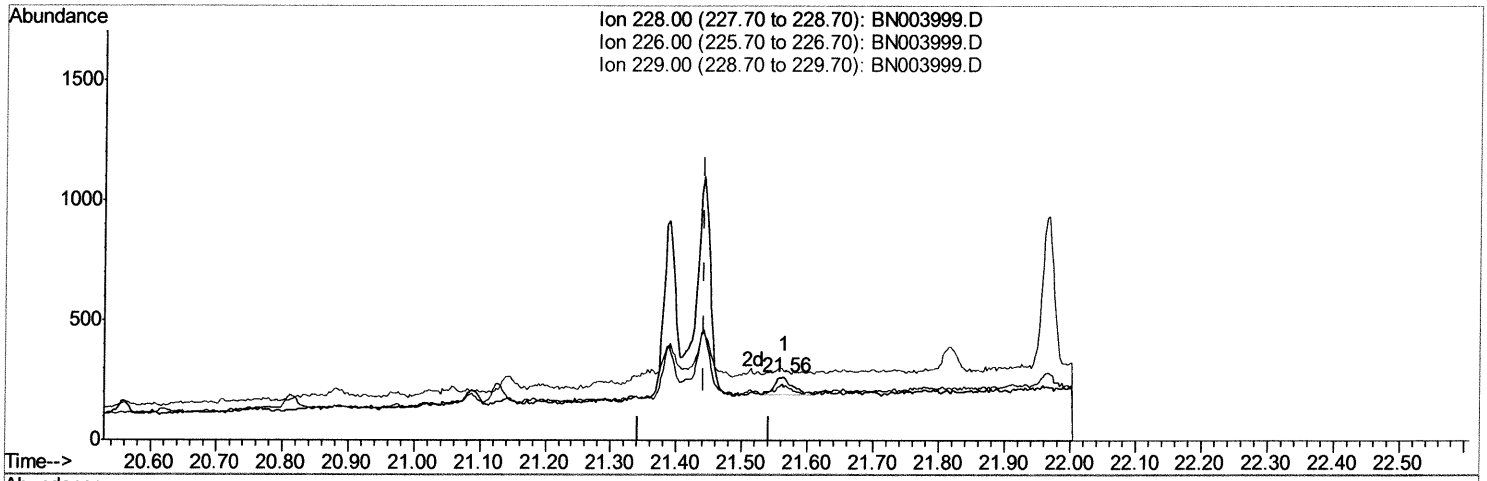
Quantitation Report (Qedit)

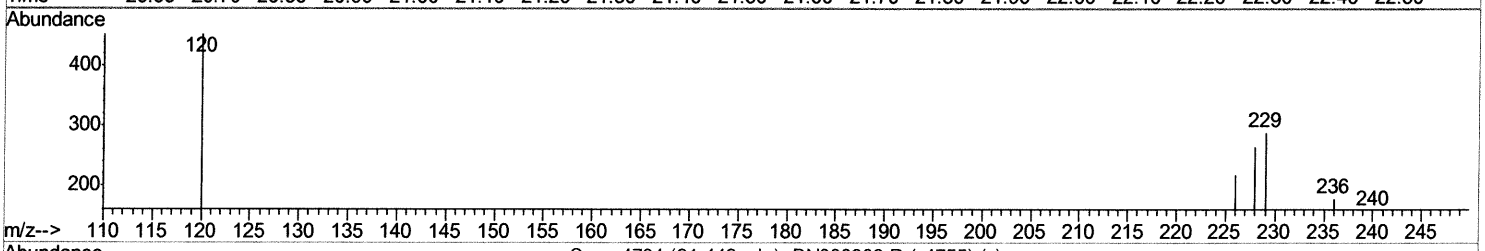
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

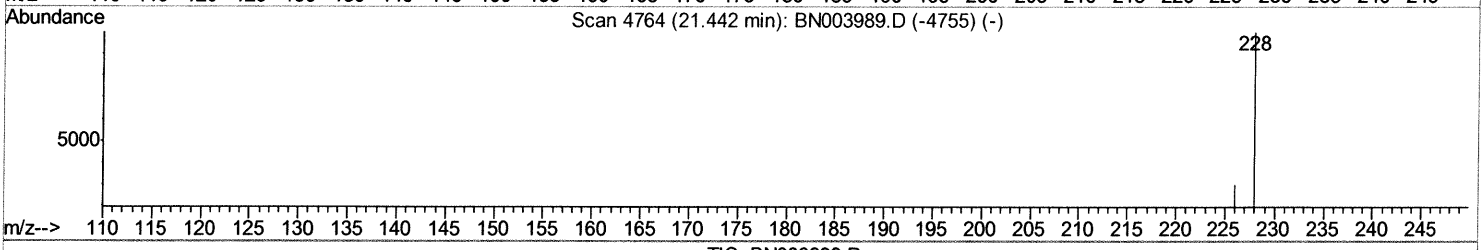
Quant Time: Dec 17 05:40:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(19) Chrysene

21.563min (+0.121) 0.00ng/ul

response 149

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	82.58#
229.00	19.60	109.47#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

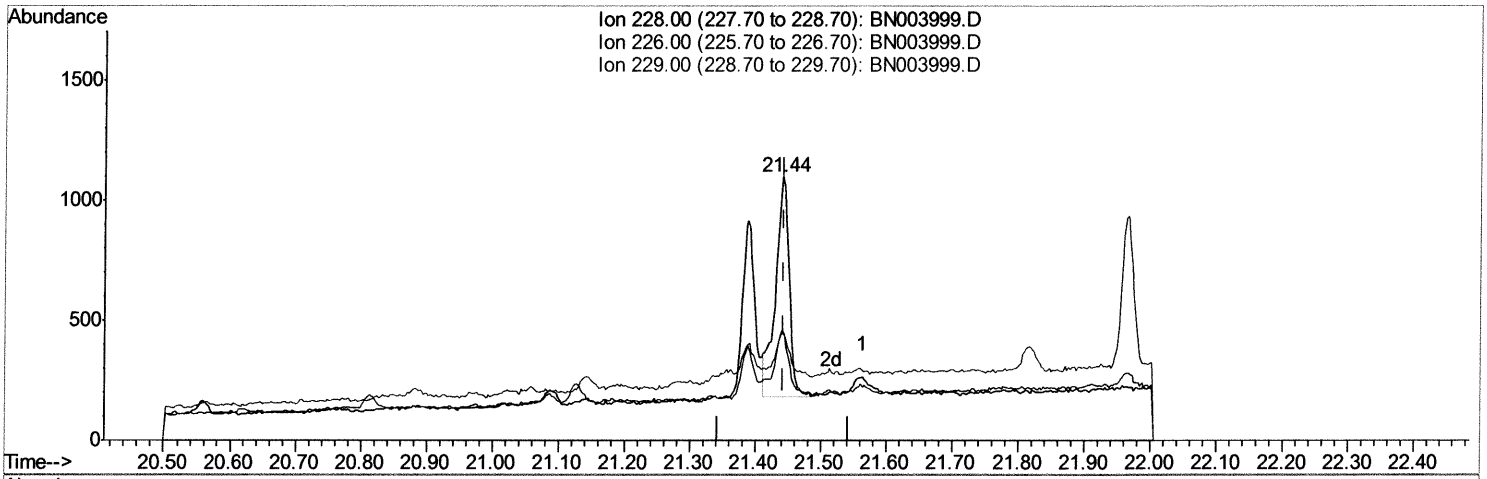
Quantitation Report (Qedit)

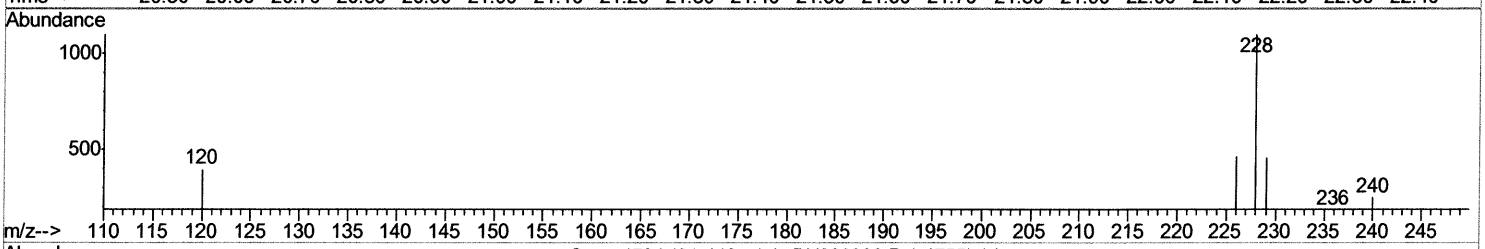
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

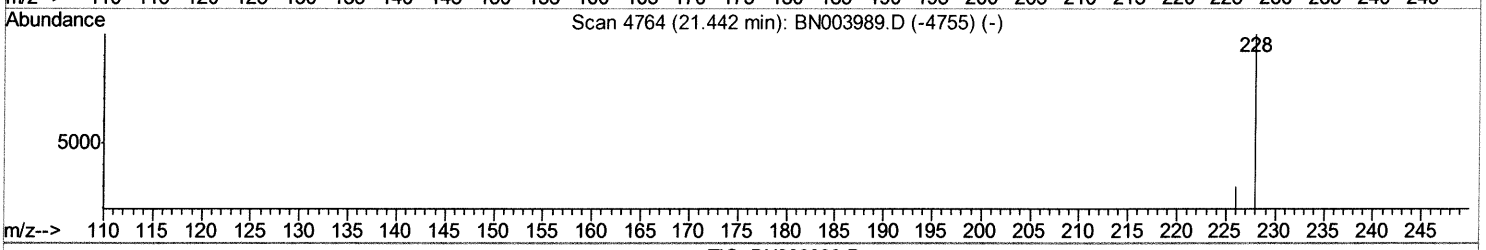
Quant Time: Dec 17 05:40:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(19) Chrysene

21.441min (-0.002) 0.02ng/ul m

response 1336

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	41.82#
229.00	19.60	41.18#
0.00	0.00	0.00

> SJ 12/17/18

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

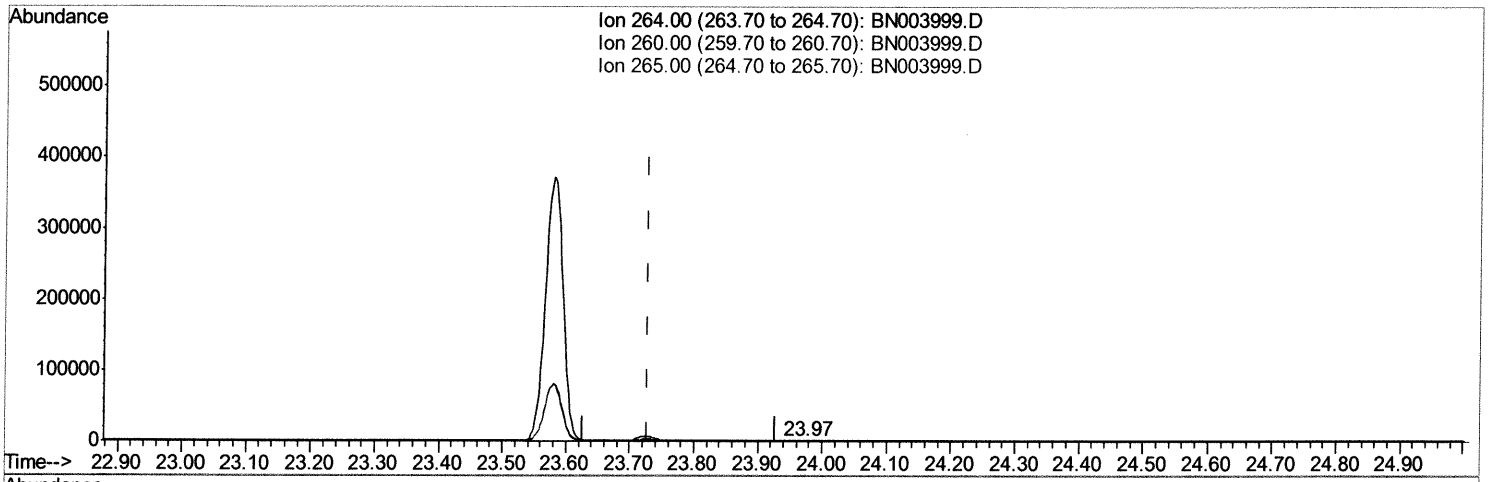
Quantitation Report (Qedit)

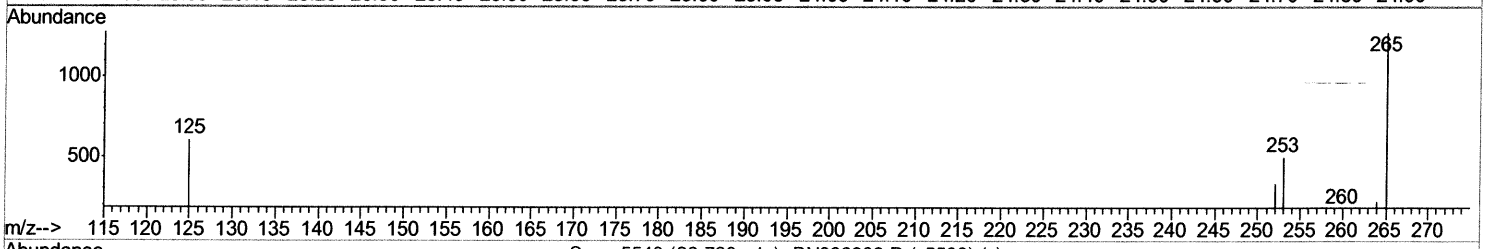
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

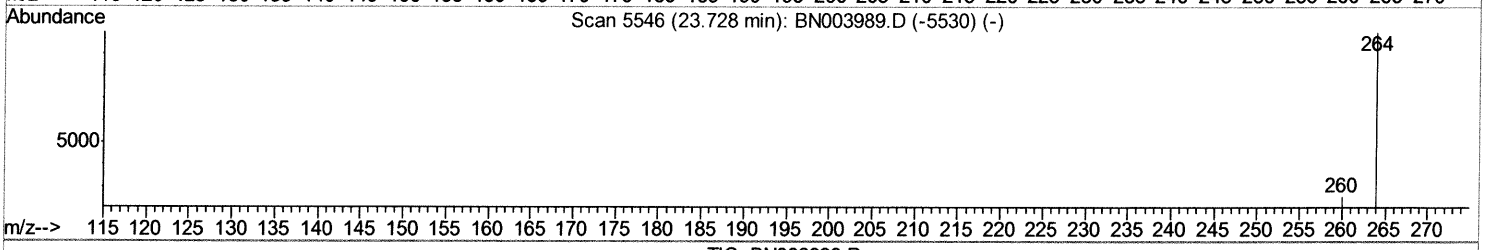
Quant Time: Dec 17 05:40:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(20) Perylene-d12 (I)

23.975min (+0.247) 0.40ng/ul

response 31

Ion	Exp%	Act%
264.00	100	100
260.00	26.20	81.70#
265.00	33.50	571.43#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

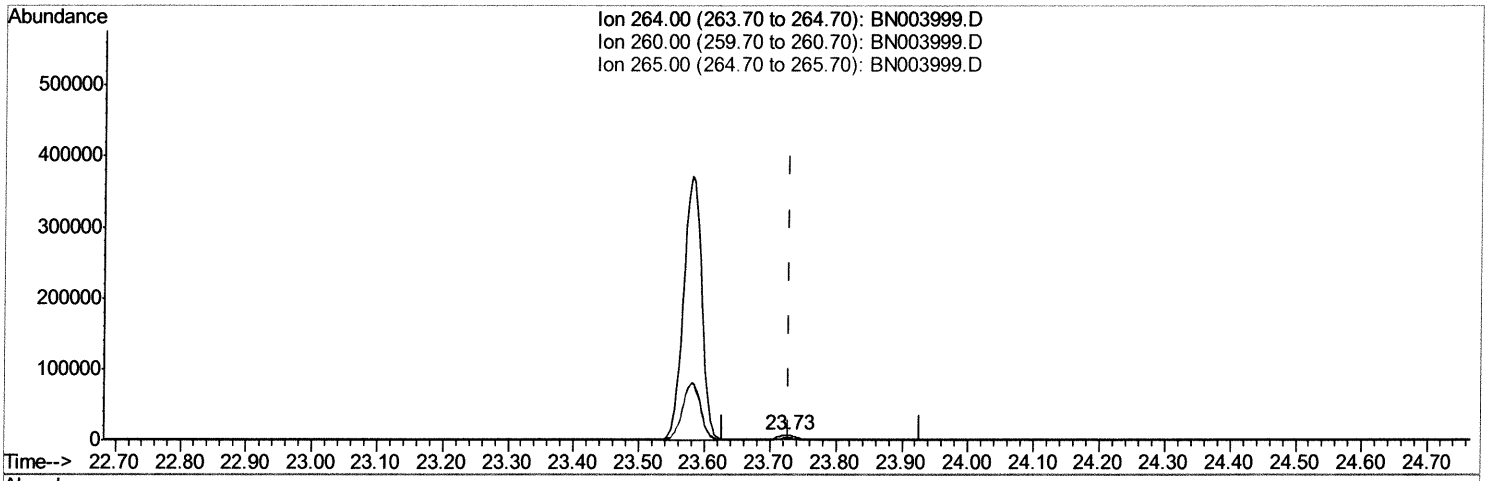
Quantitation Report (Qedit)

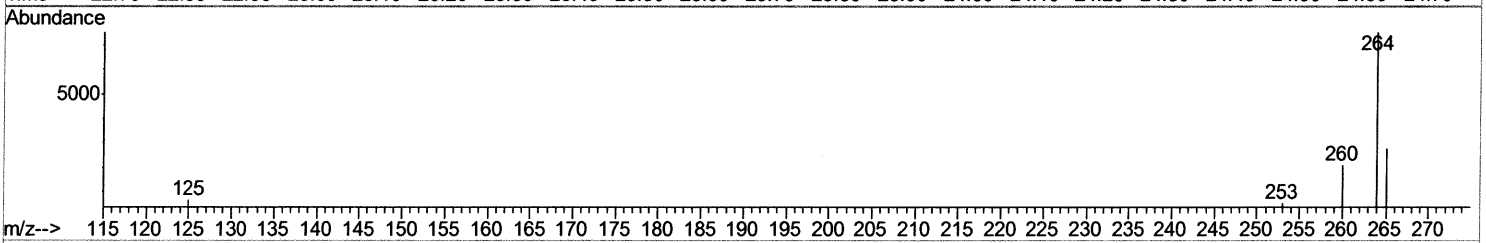
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

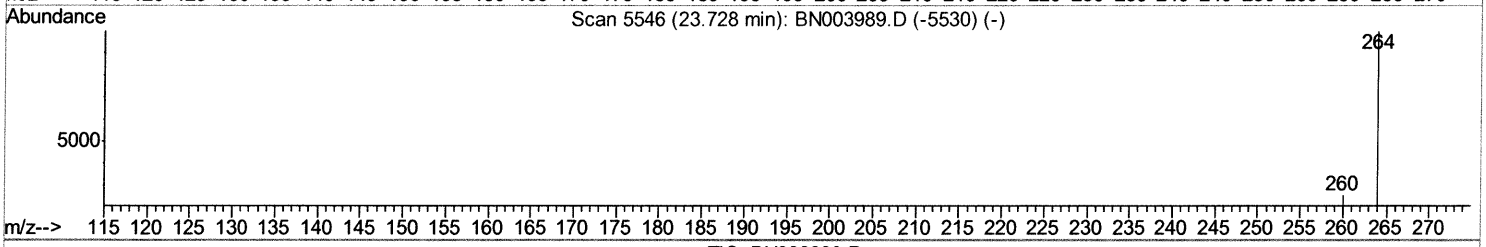
Quant Time: Dec 17 05:40:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(20) Perylene-d12 (I)

23.726min (-0.002) 0.40ng/ul m

response 13917

> SJ 12/17/18

Ion	Exp%	Act%
264.00	100	100
260.00	26.20	27.43
265.00	33.50	36.83
0.00	0.00	0.00

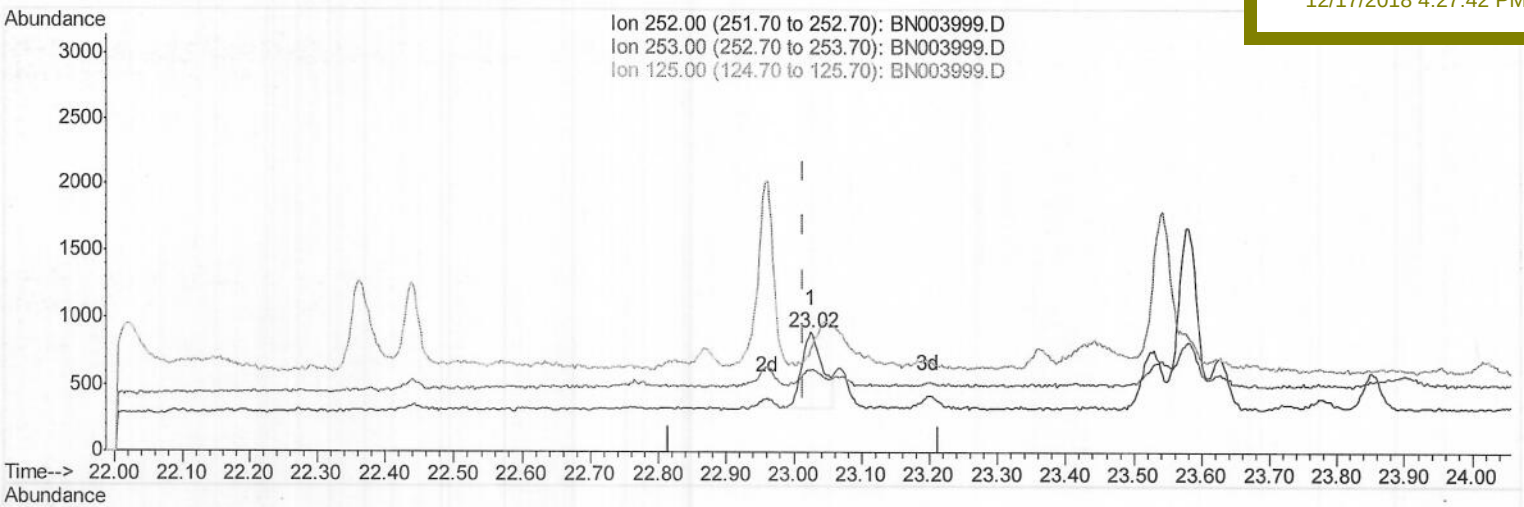
Quantitation Report (Qedit)

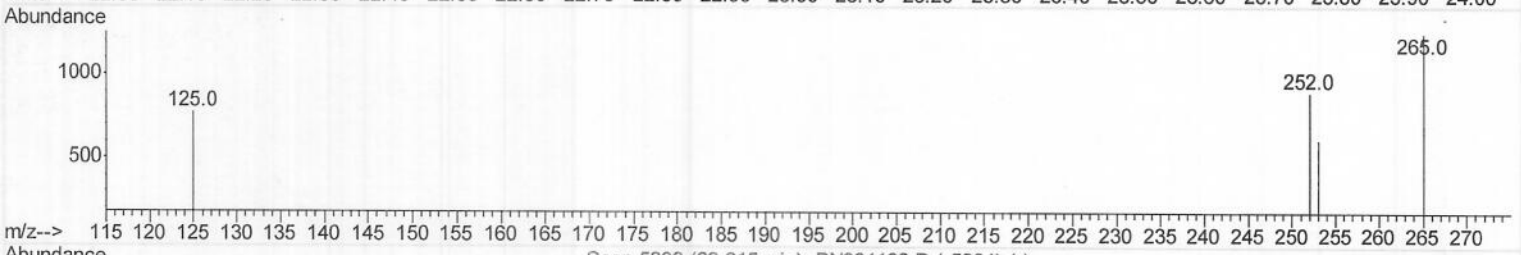
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121618\
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

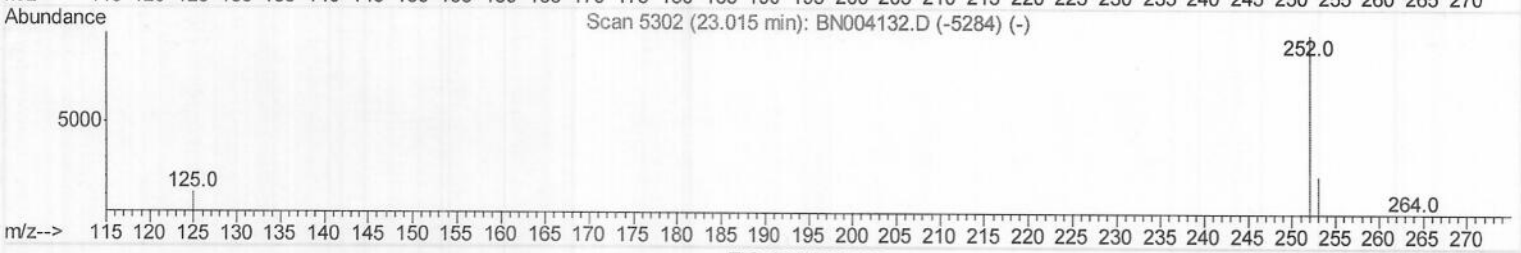
Quant Time: Dec 21 13:20:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 07:15:48 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(21) Benzo(b)fluoranthene

23.025min (+0.010) 0.02ng/ul

response 1237

Ion	Exp%	Act%
252.00	100	100
253.00	23.00	68.52#
125.00	11.20	85.76#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

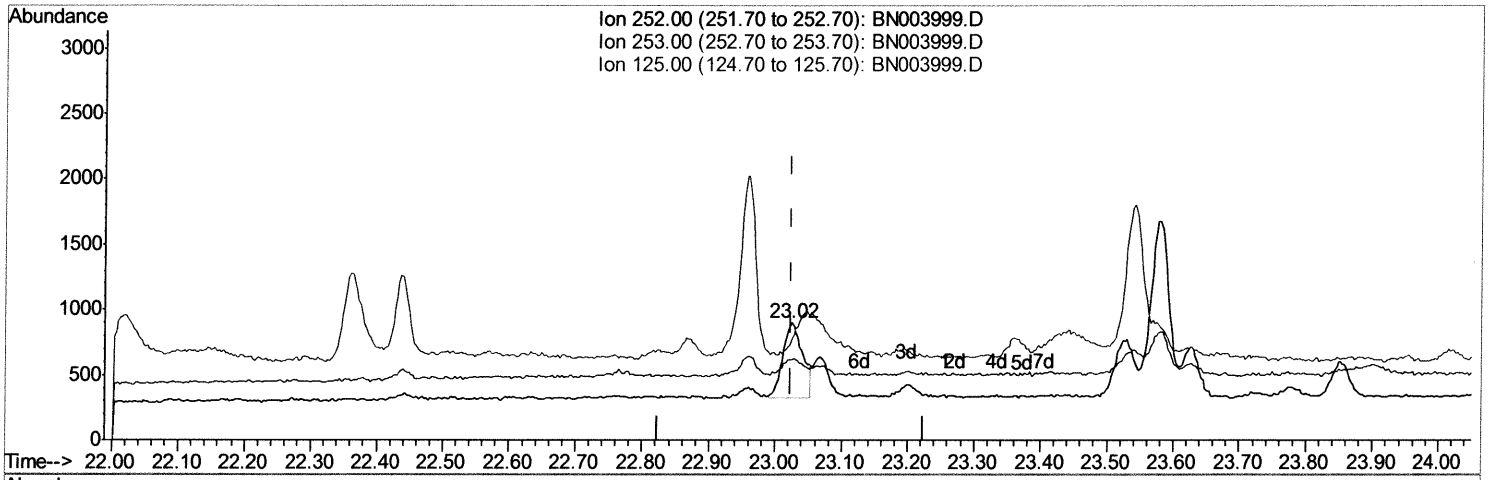
Quantitation Report (Qedit)

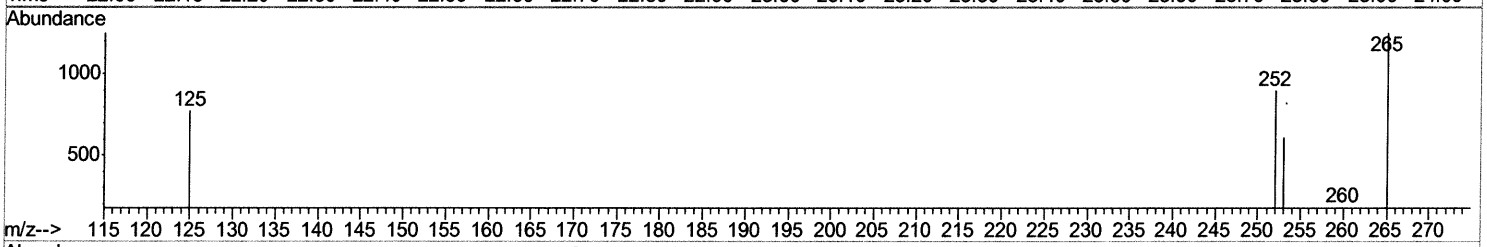
Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

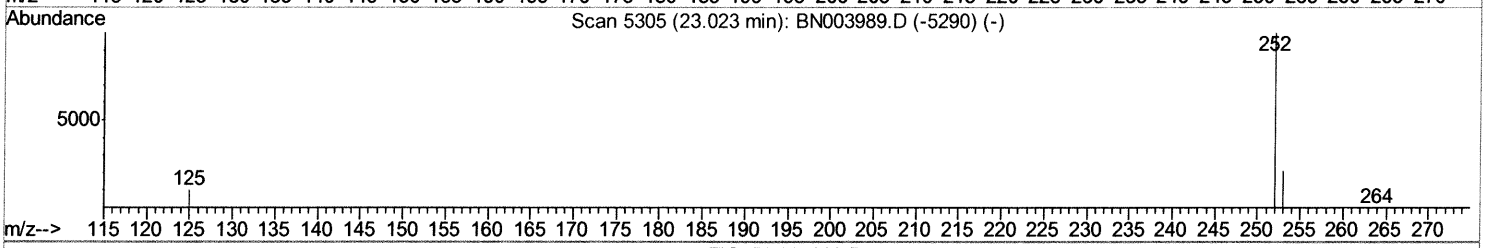
Quant Time: Dec 17 05:42:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM







TIC: BN003999.D

(21) Benzo(b)fluoranthene

23.025min (+0.001) 0.02ng/ul m

response 1189

Ion	Exp%	Act%
252.00	100	100
253.00	23.00	68.52#
125.00	11.20	85.76#
0.00	0.00	0.00

> SJ 12/17/18

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN121618\

Quantitation Report (QT Reviewed)

Data File : BN003999.D
Acq On : 16 Dec 2018 17:33
Operator : JU/SJ
Sample : J6229-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 05:45:13 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 : Mon Dec 17 04:06:53 2018
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : F9E82

Manual Integrations APPROVED
Sohil
12/17/2018 4:27:42 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1934	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	9624	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5749	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	13983m	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	16113m	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	13917m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	3125	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	9799m	0.24	ng/ul	0.00
Target Compounds						Qvalue
12) Phenanthrene	17.26	178	1288m	0.028	ng/ul	
15) Fluoranthene	19.28	202	1398m	0.026	ng/ul	
17) Pyrene	19.64	202	1617	0.028	ng/ul#	81
19) Chrysene	21.44	228	1336m	0.023	ng/ul	
21) Benzo(b)fluoranthene	23.02	252	1189m	0.021	ng/ul	

SJ
12/17/18

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