Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

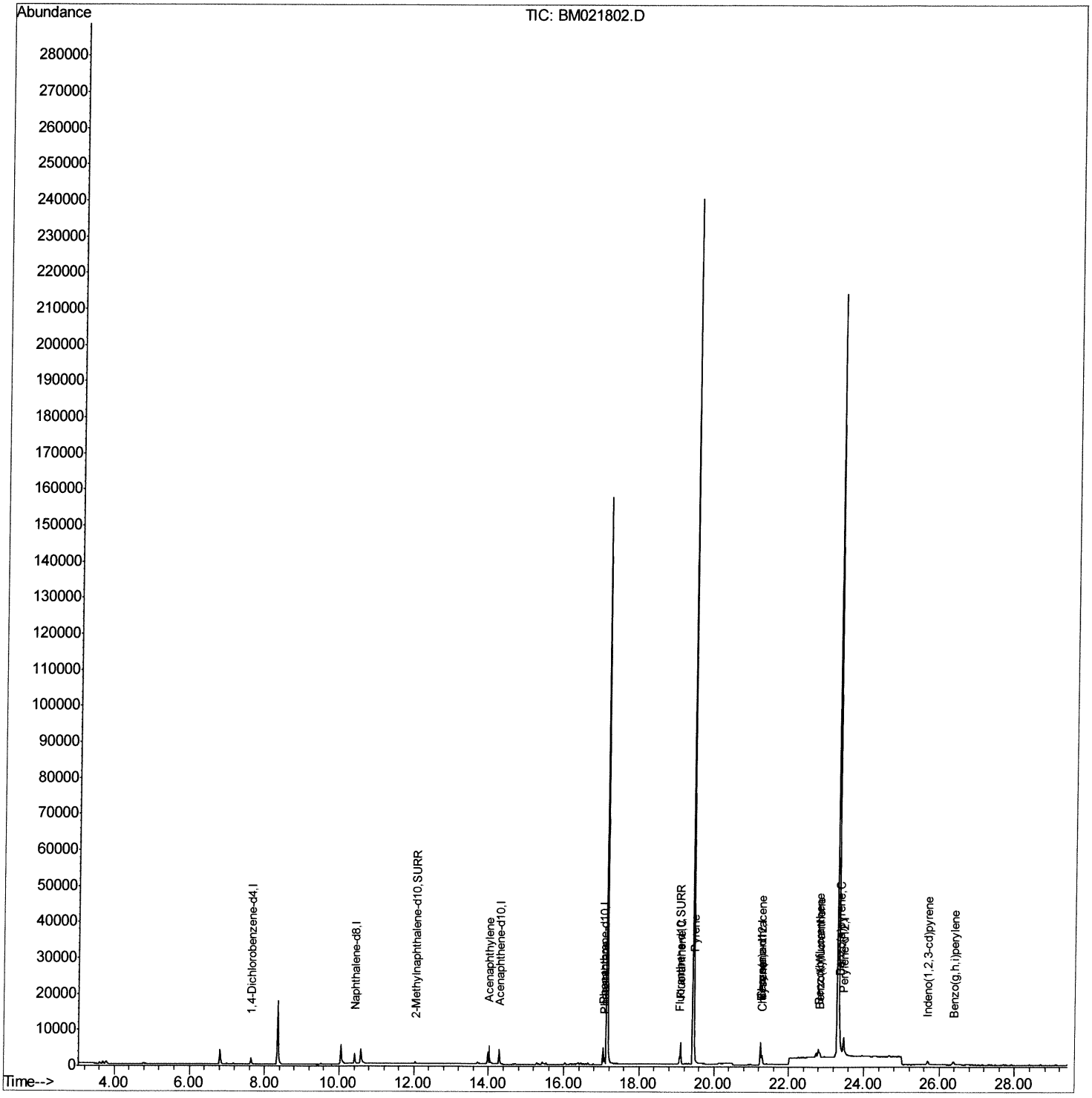
Quantitation Report (QT Reviewed)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:35:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

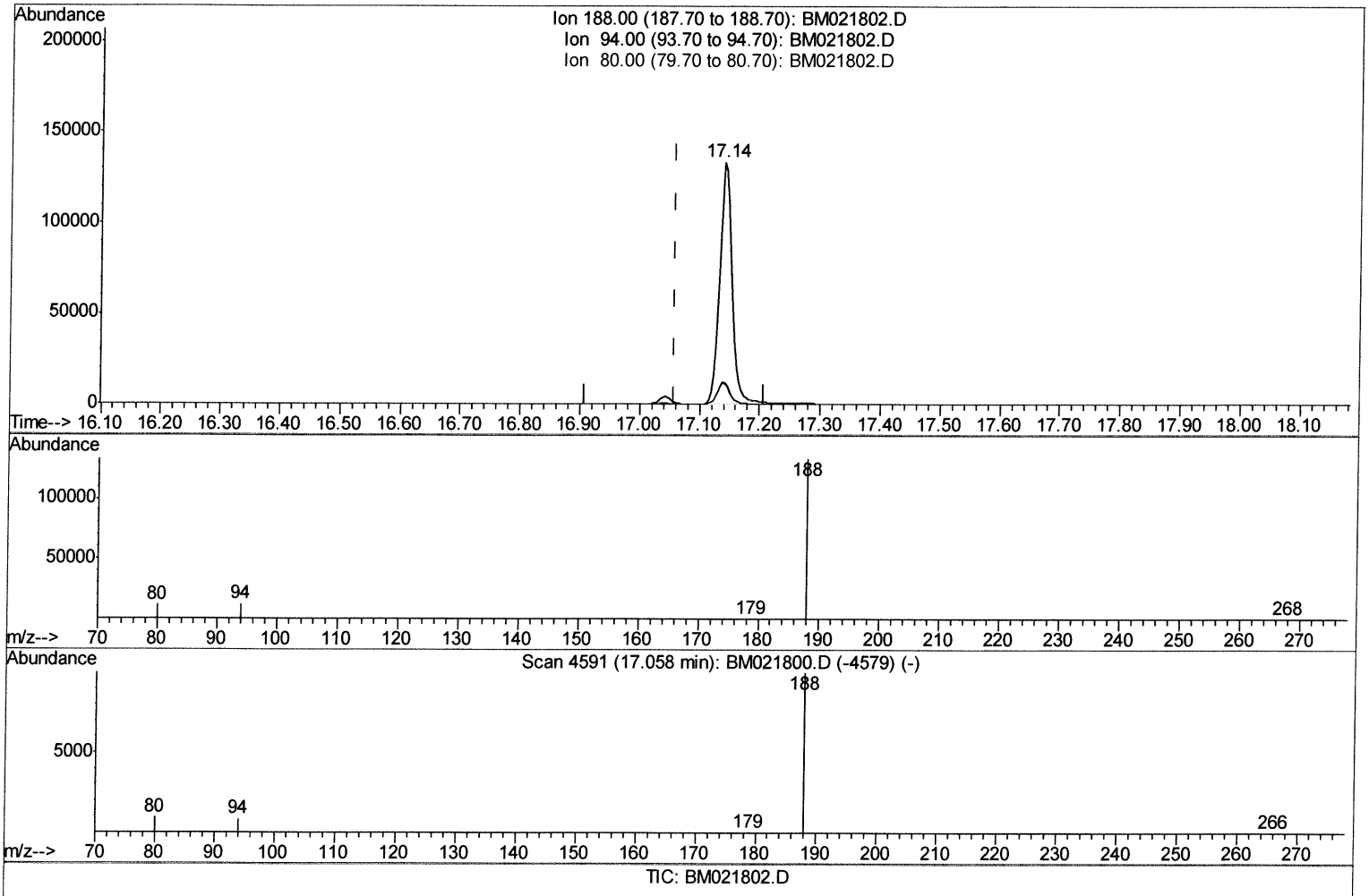
Quantitation Report (Qedit)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:29:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM



(10) Phenanthrene-d10 (I)

17.140min (+0.082) 0.40ng/ul

response 194288

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.29
80.00	11.40	8.87#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

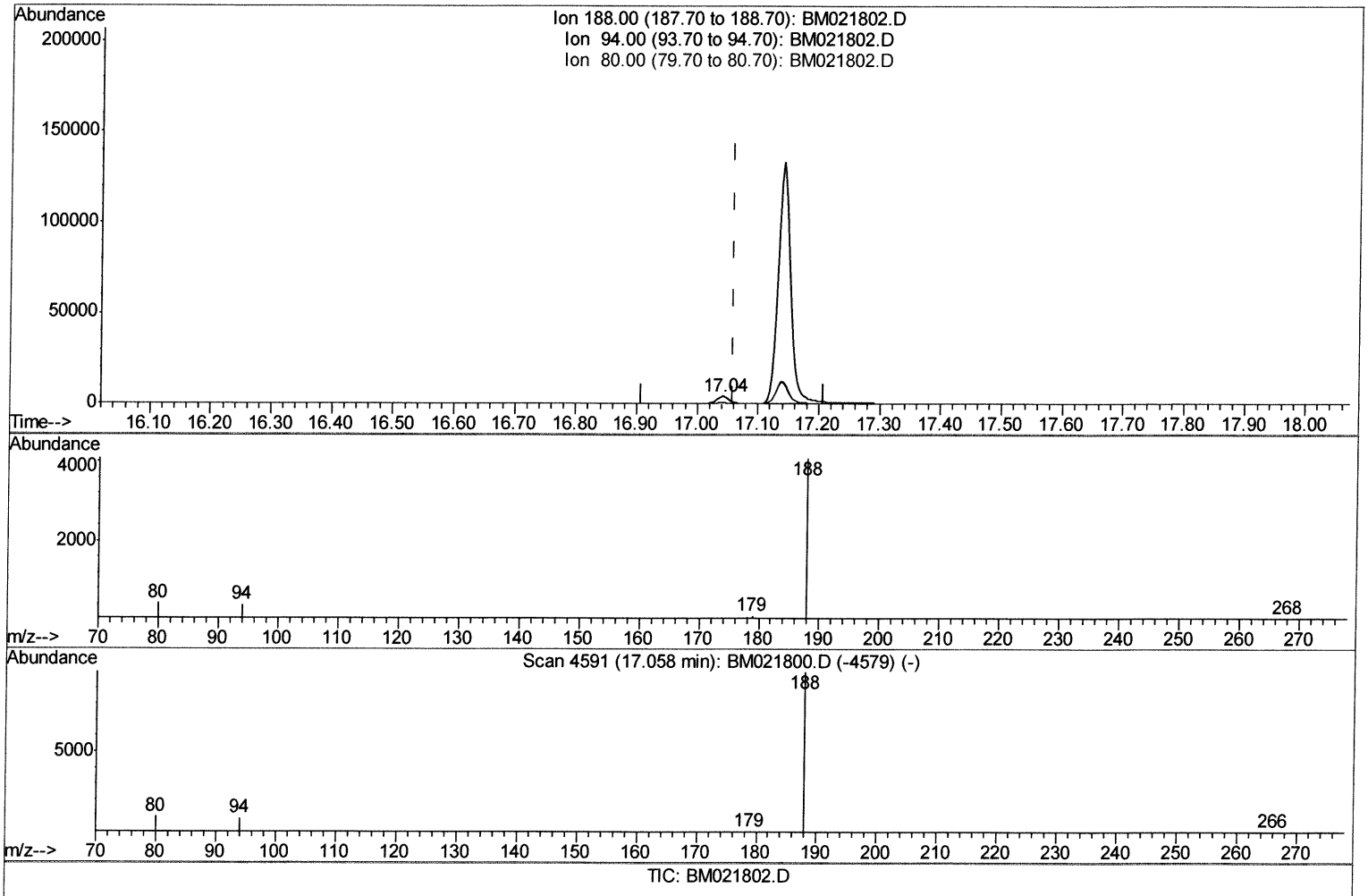
Quantitation Report (Qedit)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:29:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM



TIC: BM021802.D

(10) Phenanthrene-d10 (I)

17.043min (-0.016) 0.40ng/ul m JU 08/05/19

response 5748

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.73
80.00	11.40	10.80
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

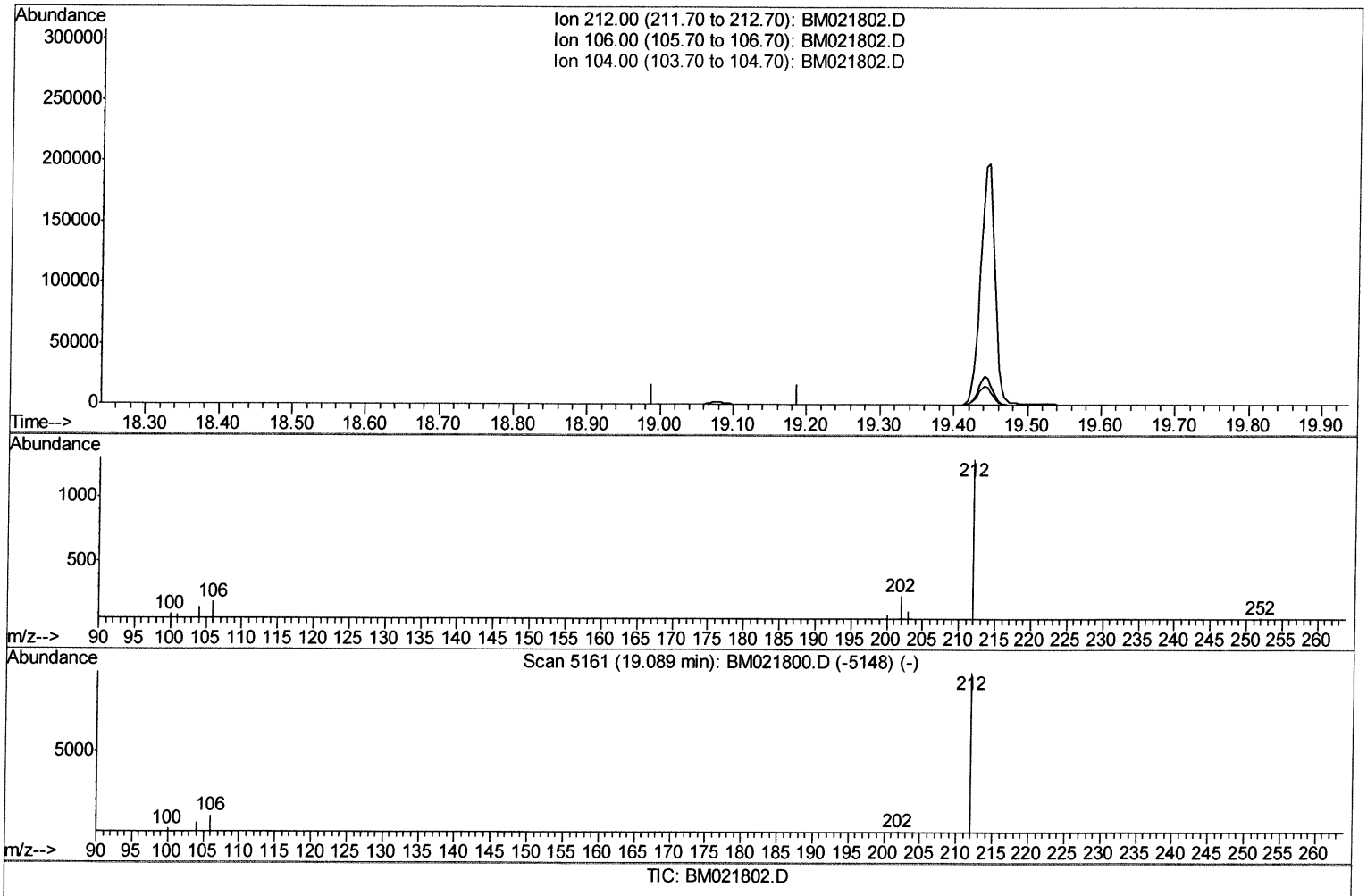
Quantitation Report (Qedit)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:32:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM



TIC: BM021802.D

(14) Fluoranthene-d10 (SURR)

19.089min (-19.089) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

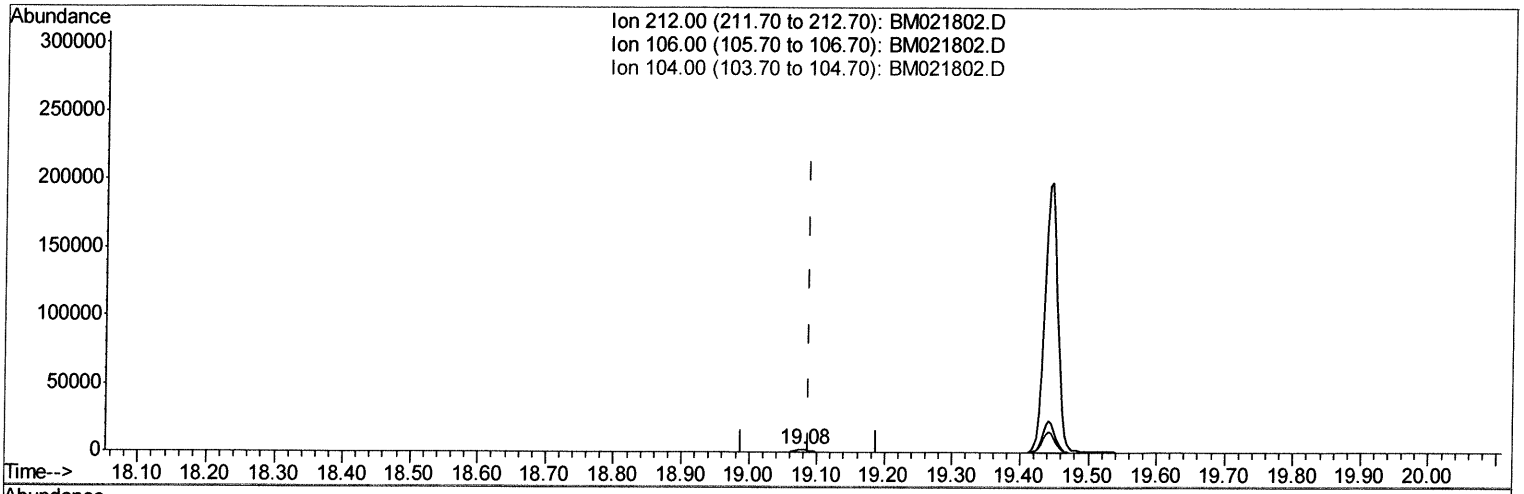
Quantitation Report (Qedit)

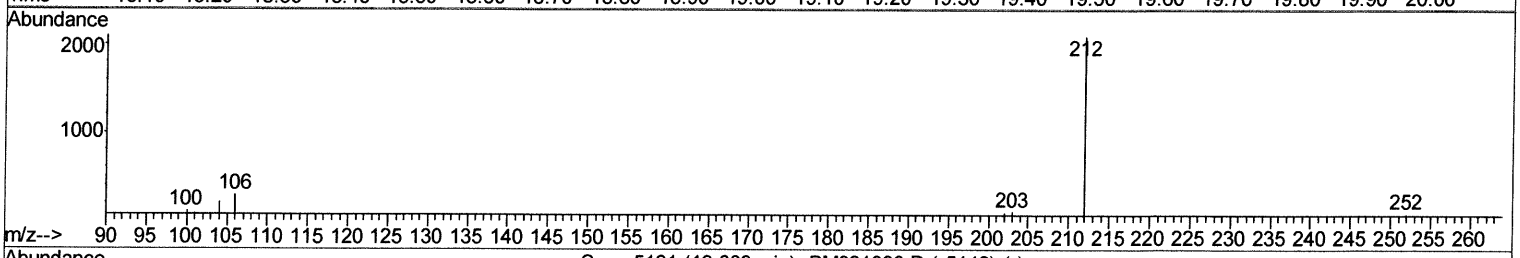
Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

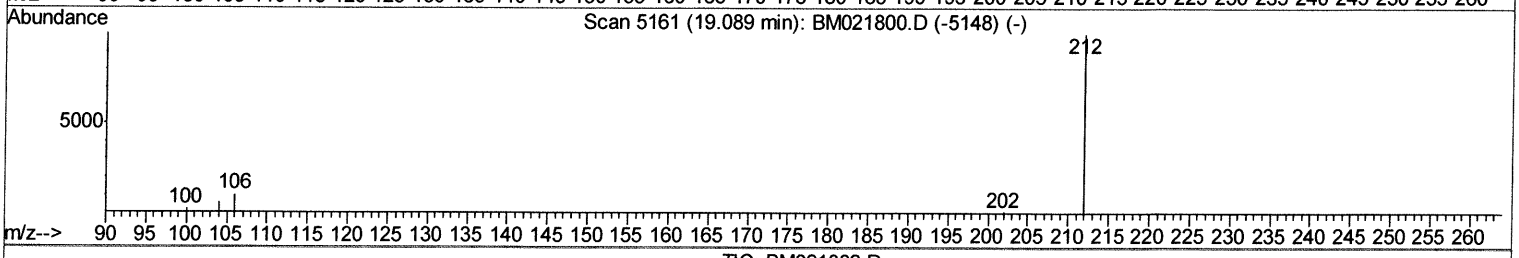
Quant Time: Aug 05 05:32:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM







TIC: BM021802.D

(14) Fluoranthene-d10 (SURR)

19.080min (-0.009) 0.15ng/ul m JU 08/05/19

response 2923

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

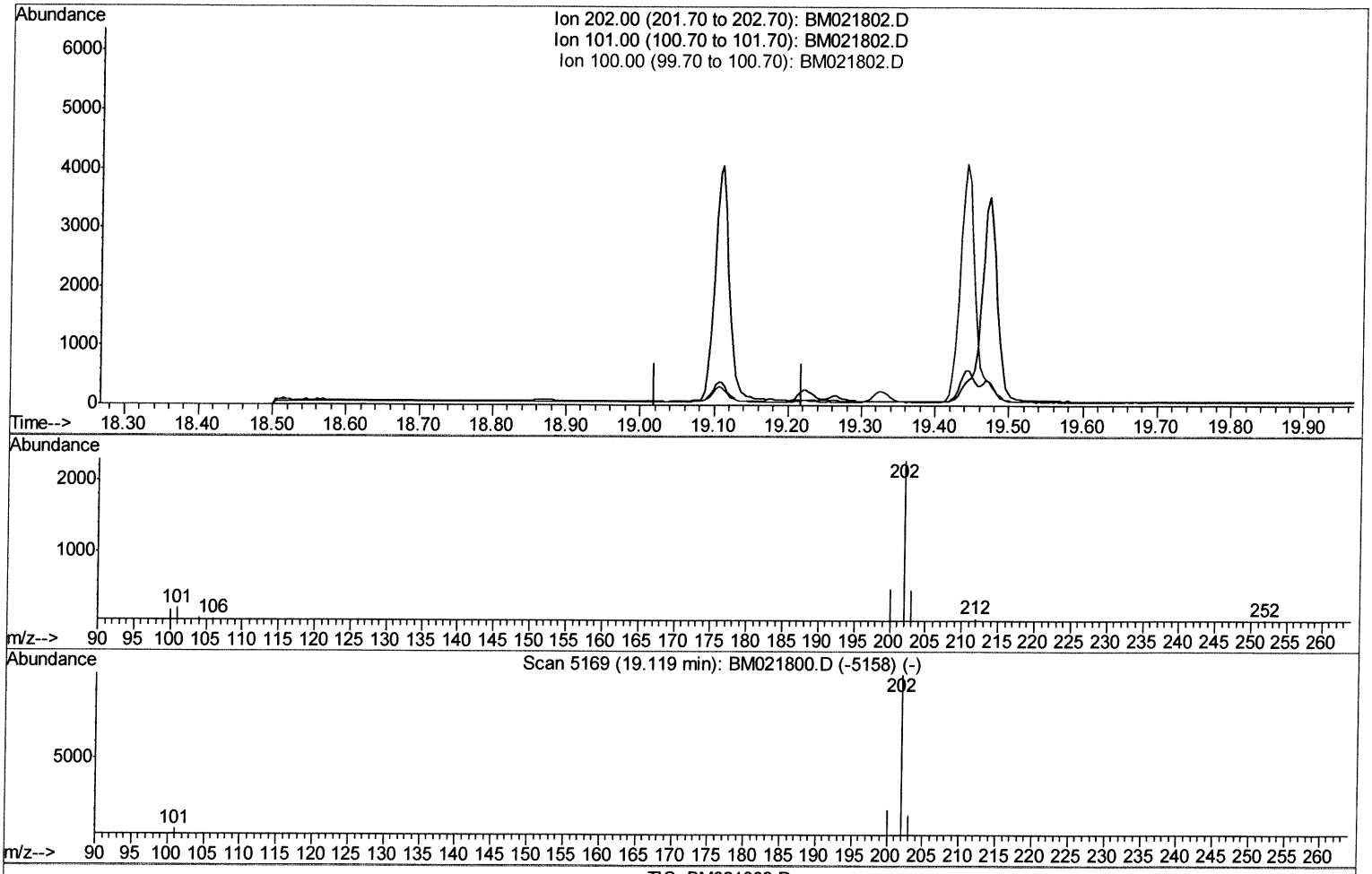
Quantitation Report (Qedit)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:32:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM



TIC: BM021802.D

(15) Fluoranthene (C)

19.119min (-19.119) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.20	0.00
100.00	8.10	0.00
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

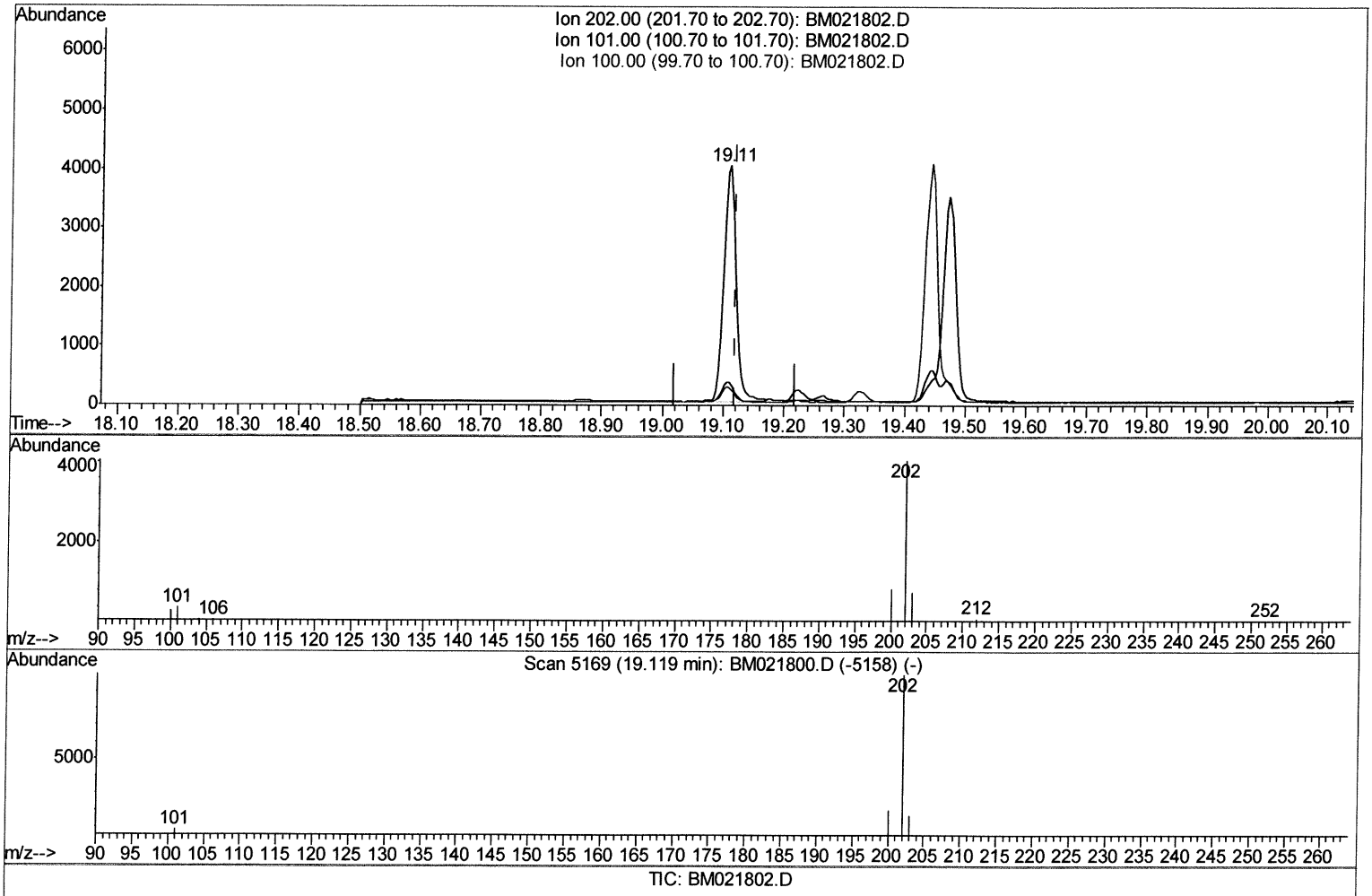
Quantitation Report (Qedit)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:32:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM



TIC: BM021802.D

(15) Fluoranthene (C)

19.110min (-0.009) 0.24ng/ul m JU 08/05/19

response 5399

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	9.54
100.00	8.10	7.50
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

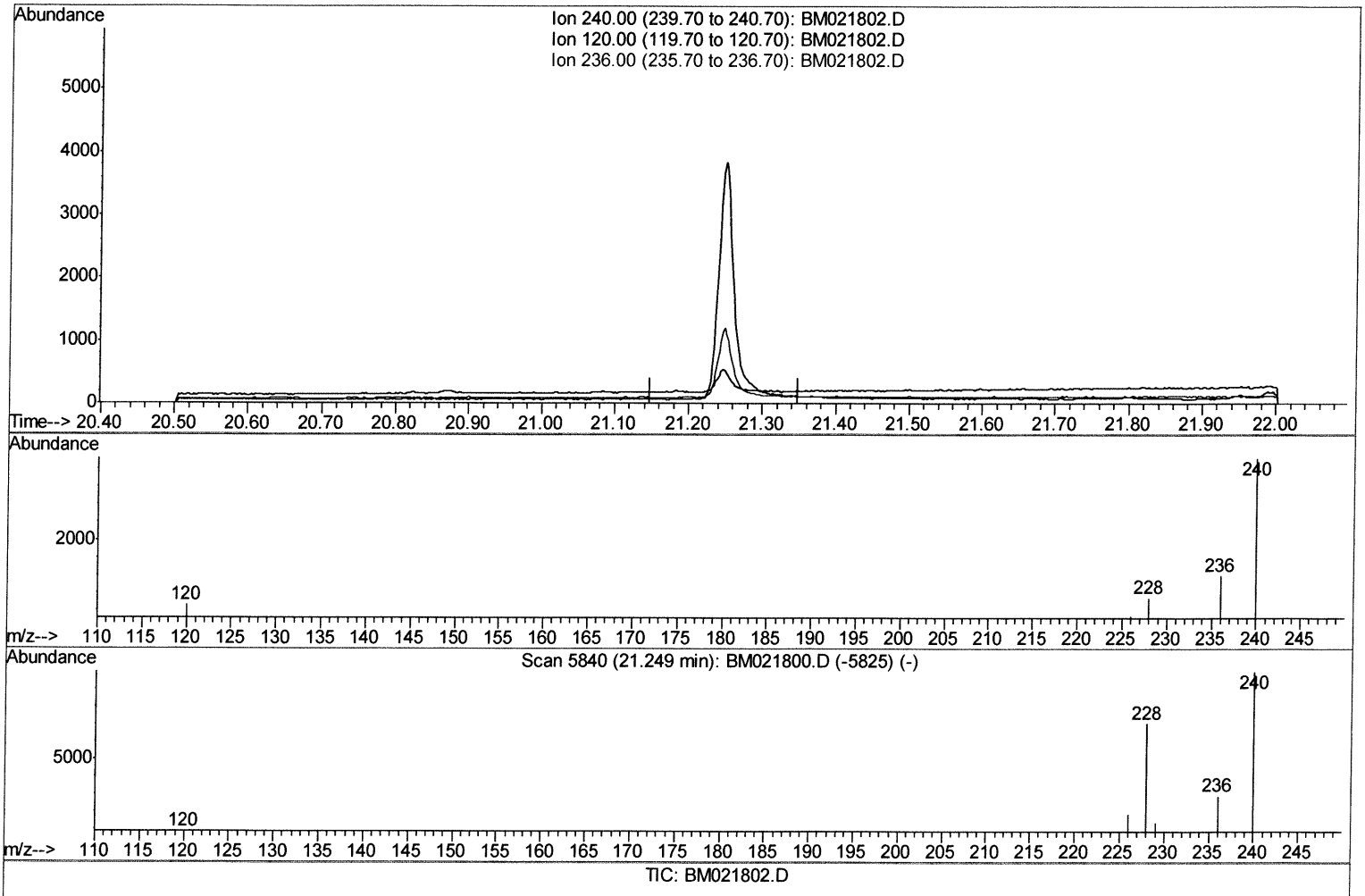
Quantitation Report (Qedit)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:32:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM



(16) Chrysene-d12 (I)

21.249min (-21.249) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	16.20	0.00#
236.00	32.30	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

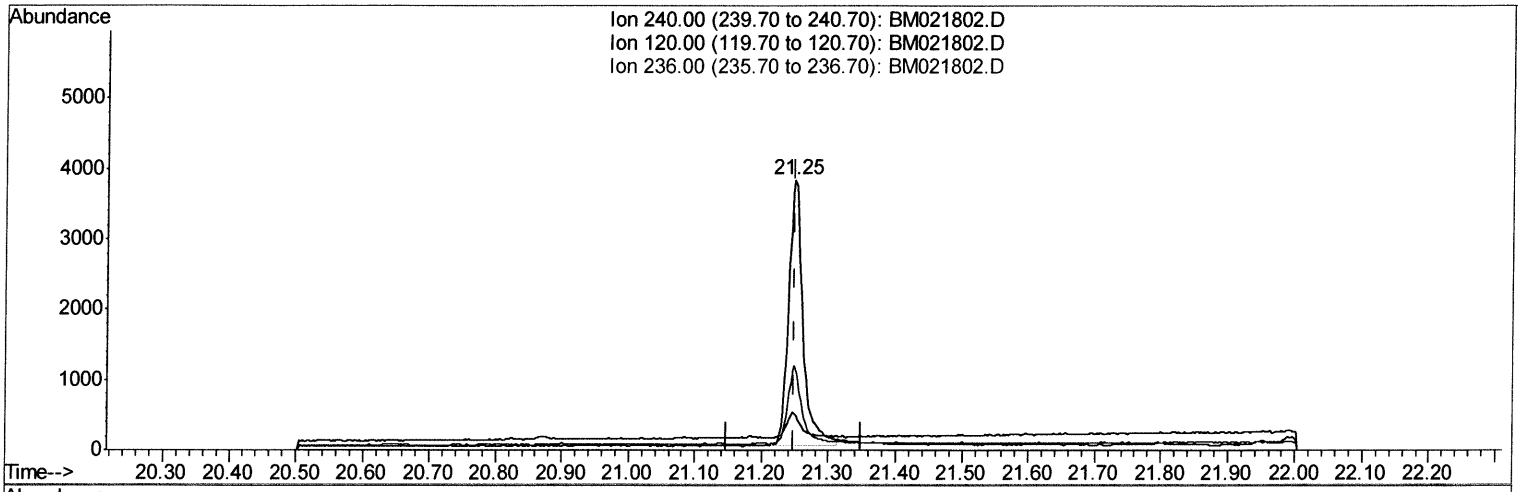
Quantitation Report (Qedit)

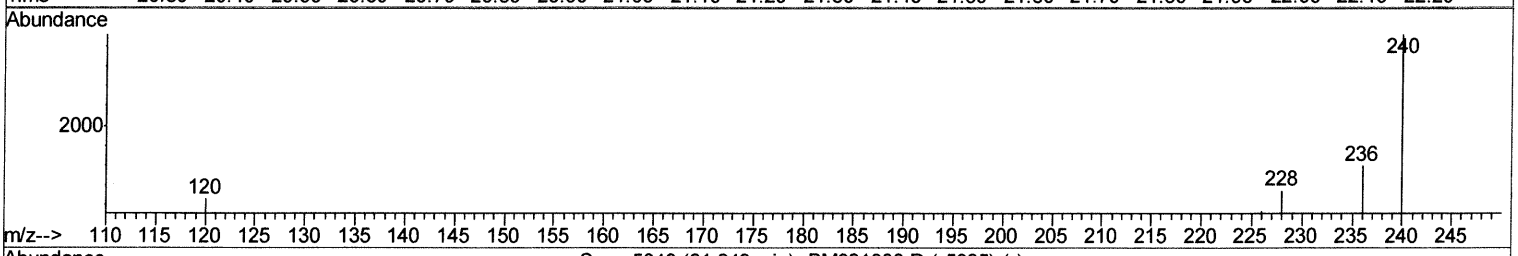
Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

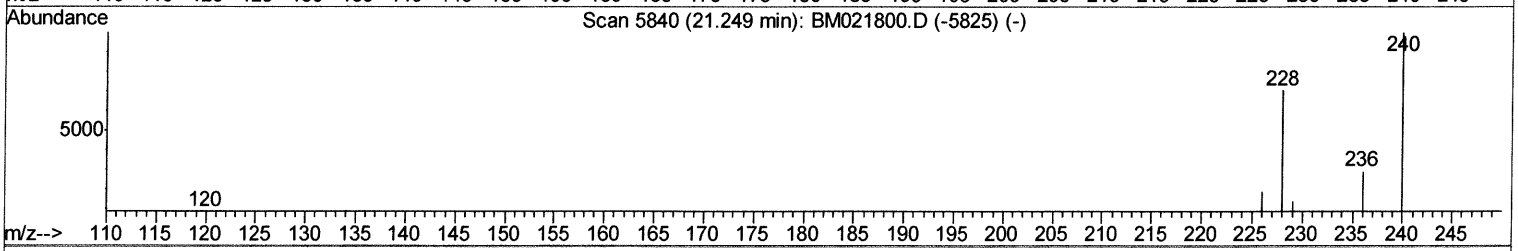
Quant Time: Aug 05 05:32:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM







TIC: BM021802.D

(16) Chrysene-d12 (I)

21.248min (-0.000) 0.40ng/ul m JU 08/05/19

response 5587

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	13.86
236.00	32.30	31.15
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

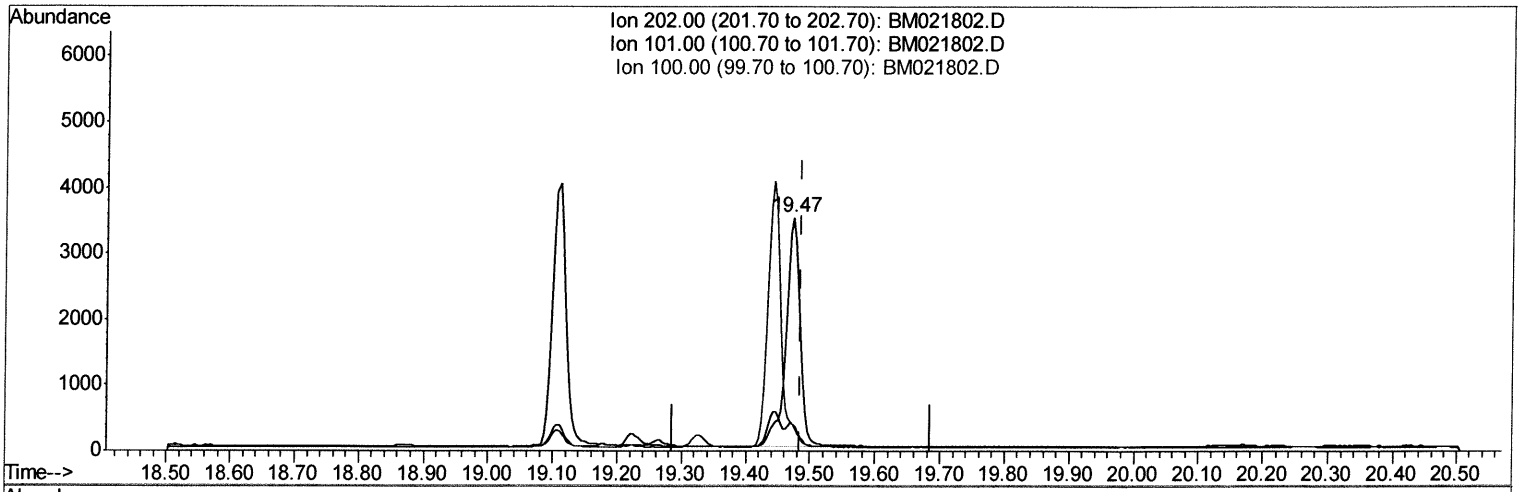
Quantitation Report (Qedit)

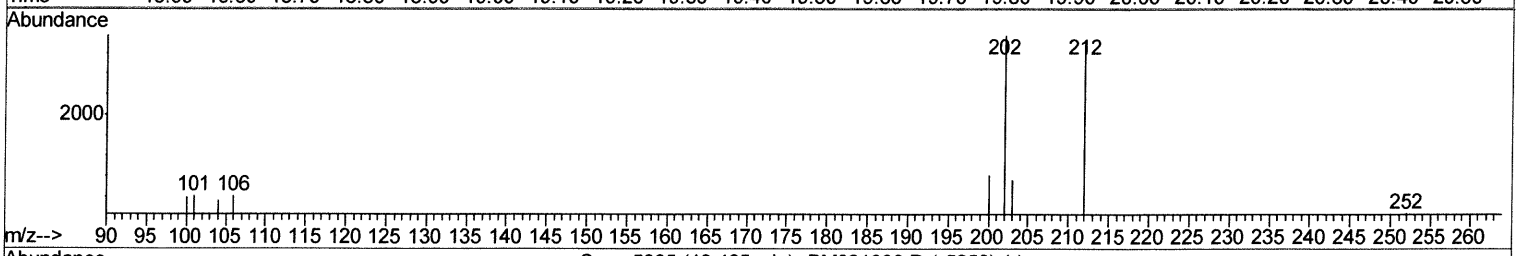
Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

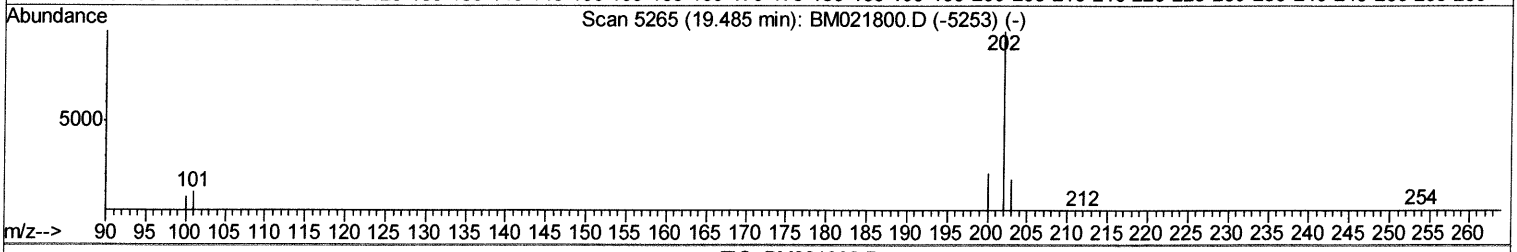
Quant Time: Aug 05 05:33:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM







TIC: BM021802.D

(17) Pyrene

19.472min (-0.013) 0.23ng/ul

response 5327

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	11.78
100.00	9.00	11.39#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

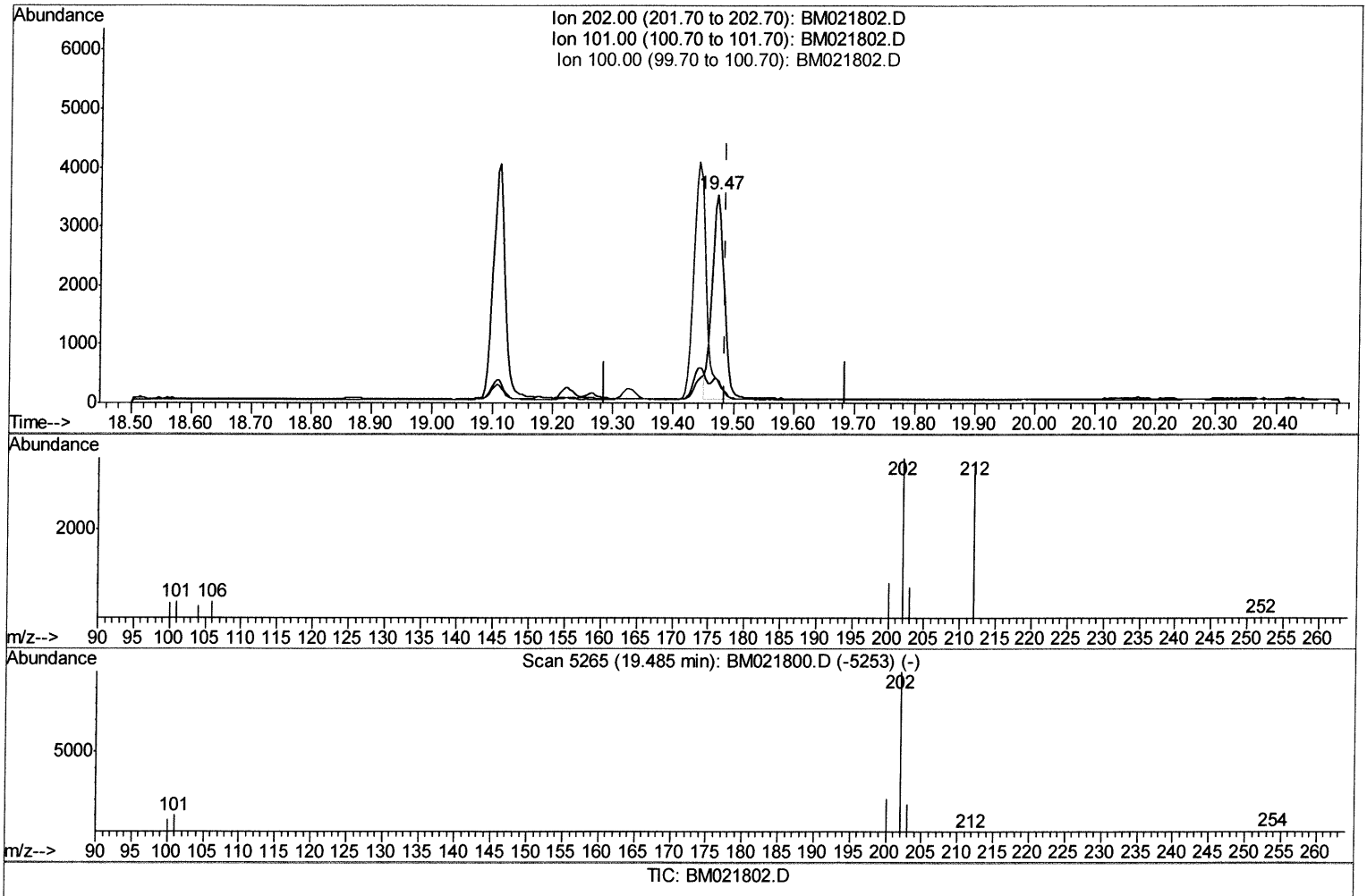
Quantitation Report (Qedit)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:33:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM



TIC: BM021802.D

(17) Pyrene

19.472min (-0.013) 0.21ng/ul m JU 08/05/19

response 4908

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	11.78
100.00	9.00	11.39#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

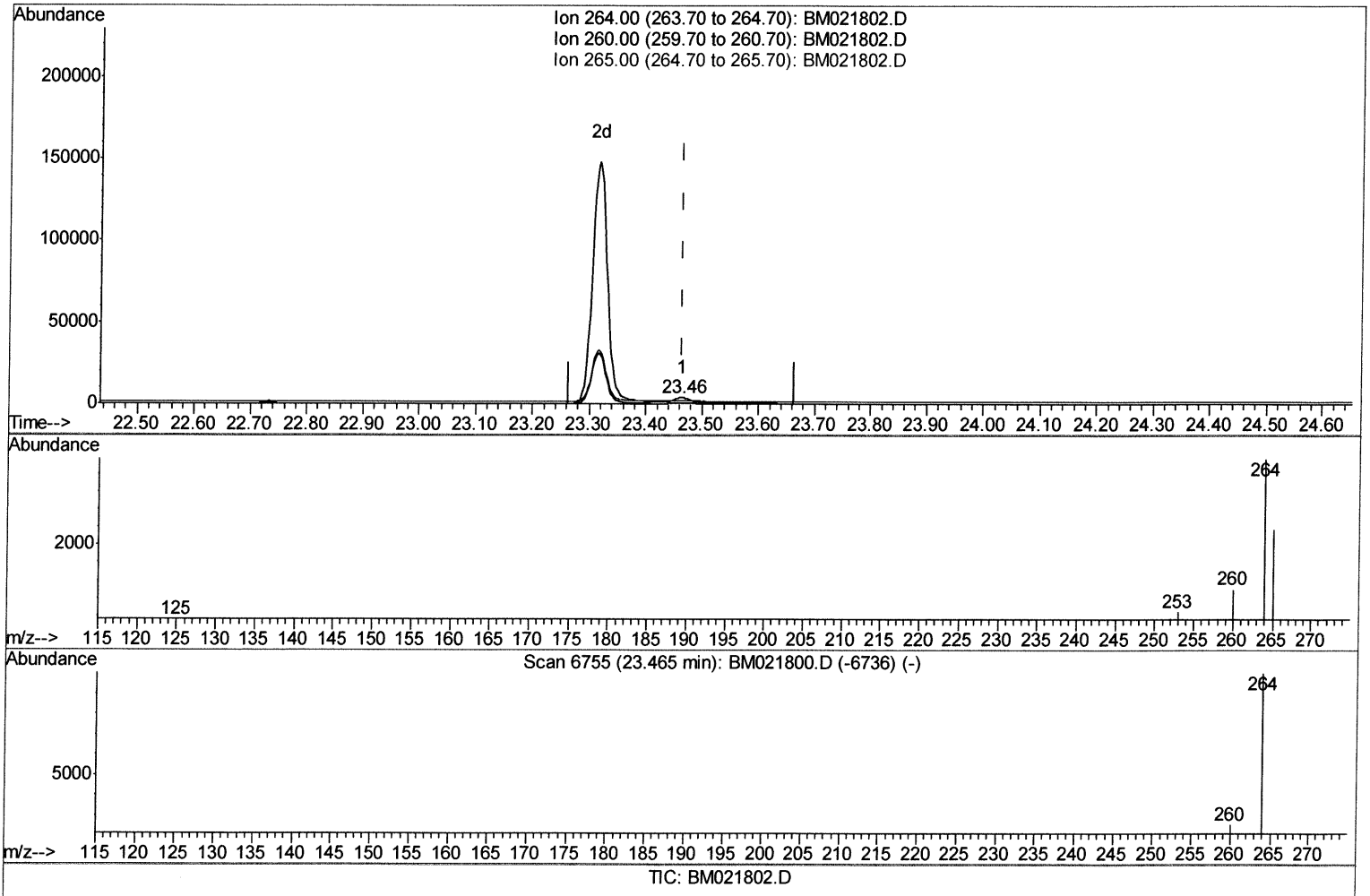
Quantitation Report (Qedit)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:33:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM



TIC: BM021802.D

(20) Perylene-d12 (I)

23.464min (-0.000) 0.40ng/ul

response 10075

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	25.26
265.00	117.00	59.61#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

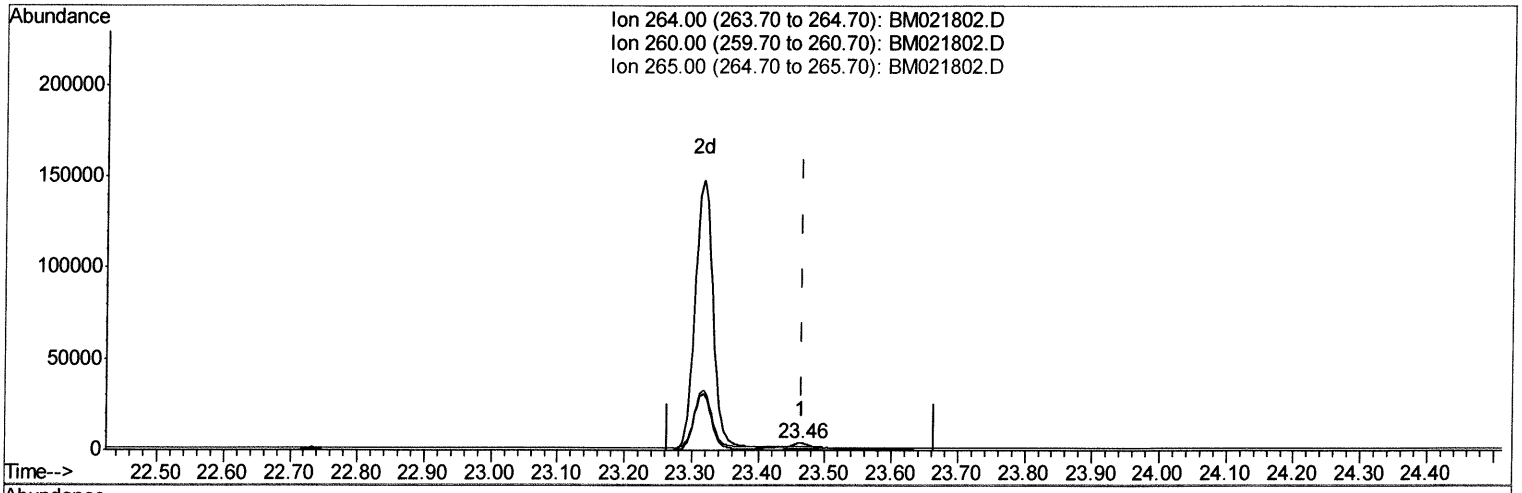
Quantitation Report (Qedit)

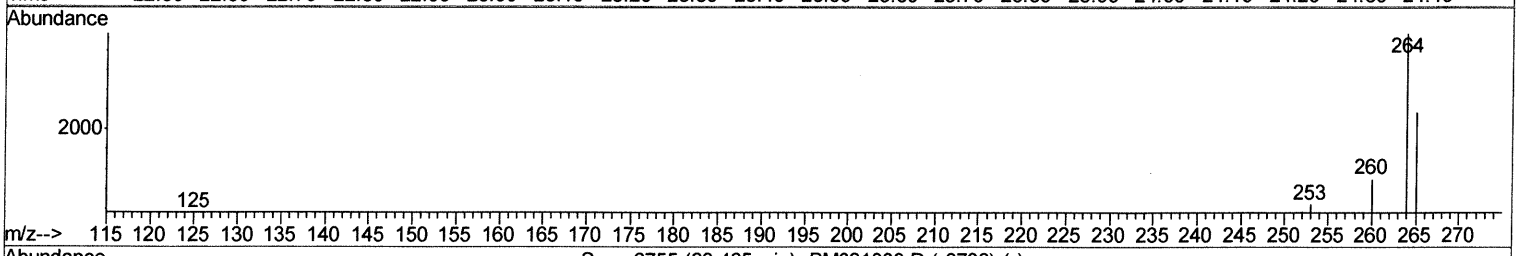
Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

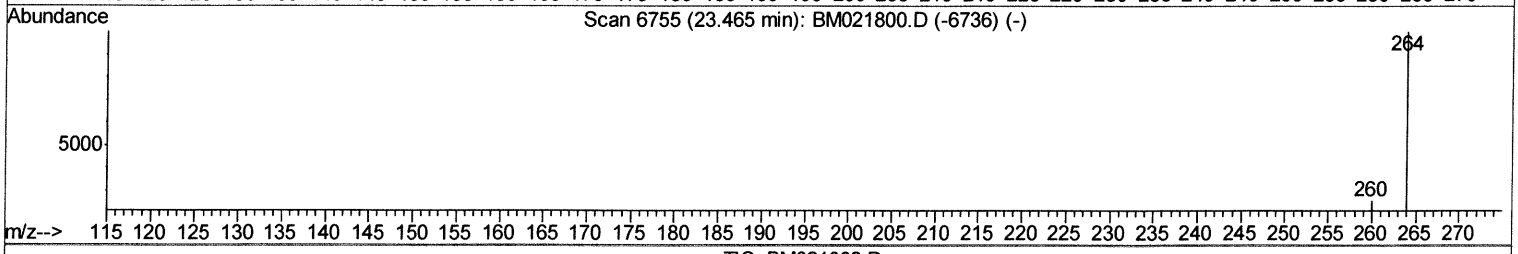
Quant Time: Aug 05 05:33:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM







TIC: BM021802.D

(20) Perylene-d12 (I)

23.464min (-0.000) 0.40ng/ul m JU 08/05/19

response 5904

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	25.26
265.00	117.00	59.61#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

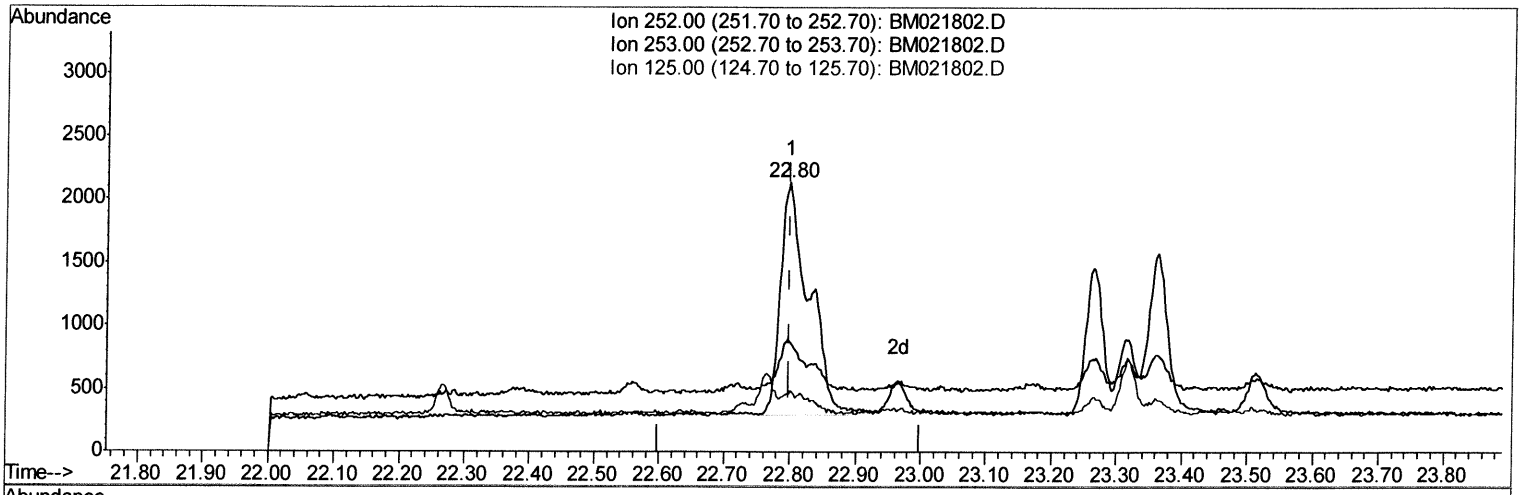
Quantitation Report (Qedit)

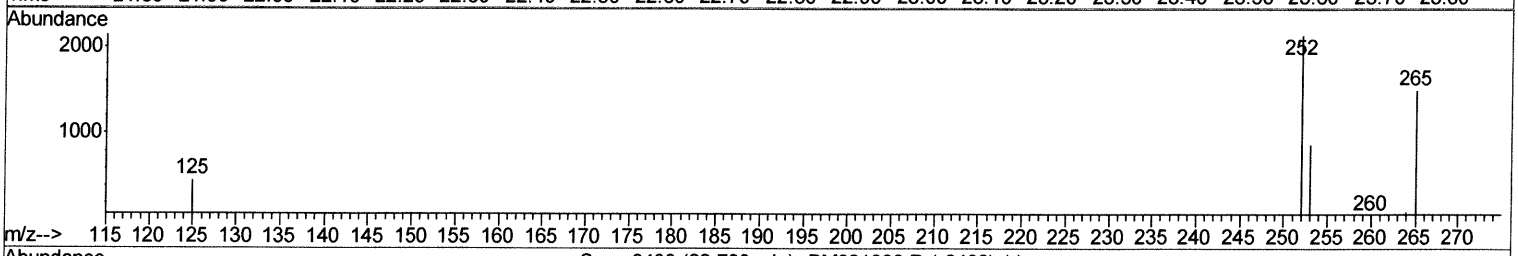
Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

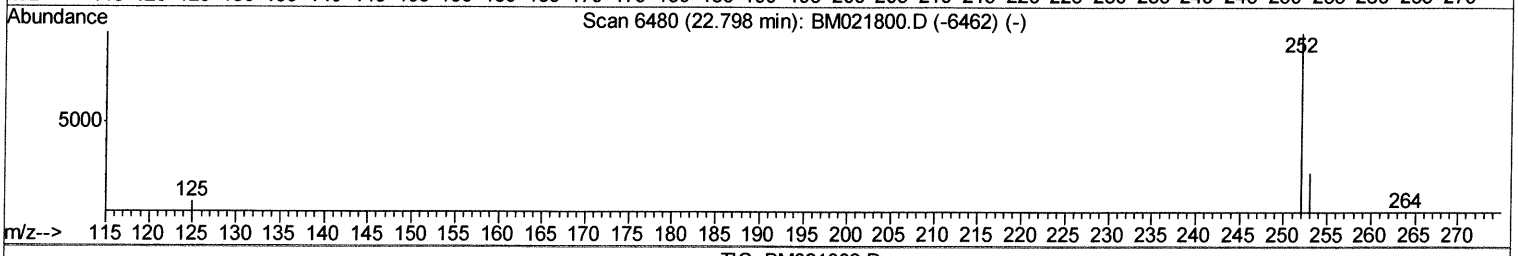
Quant Time: Aug 05 05:34:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM







TIC: BM021802.D

(21) Benzo(b)fluoranthene

22.798min (-0.000) 0.28ng/ul

response 5517

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	41.03
125.00	15.50	21.17
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

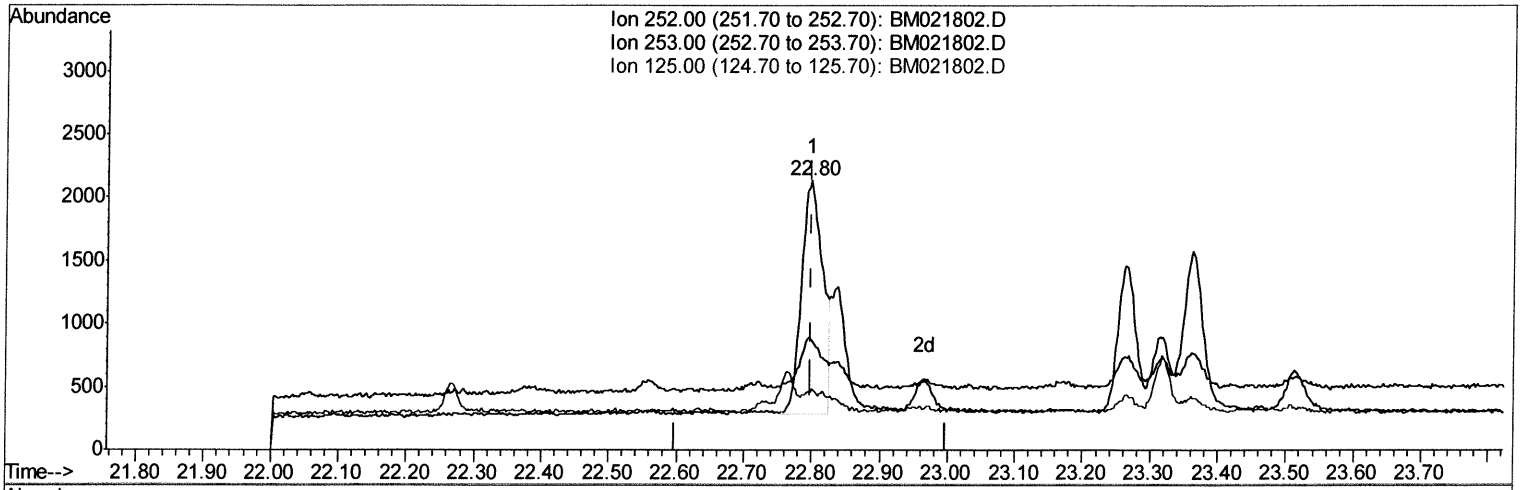
Quantitation Report (Qedit)

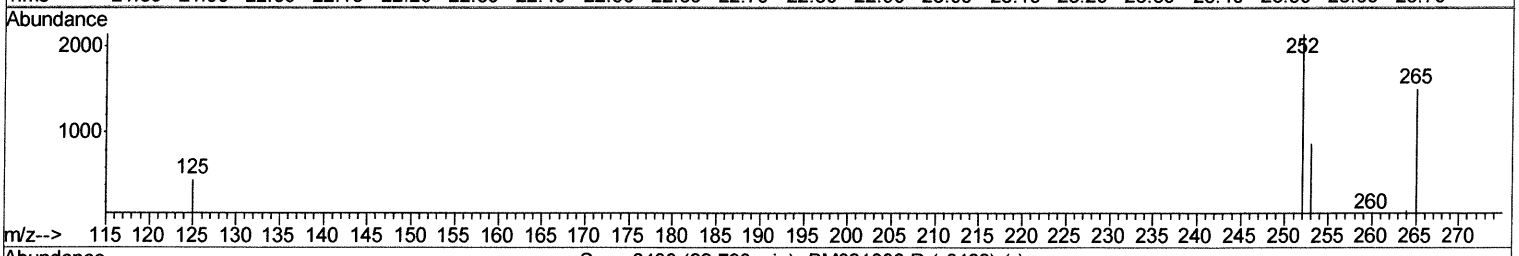
Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

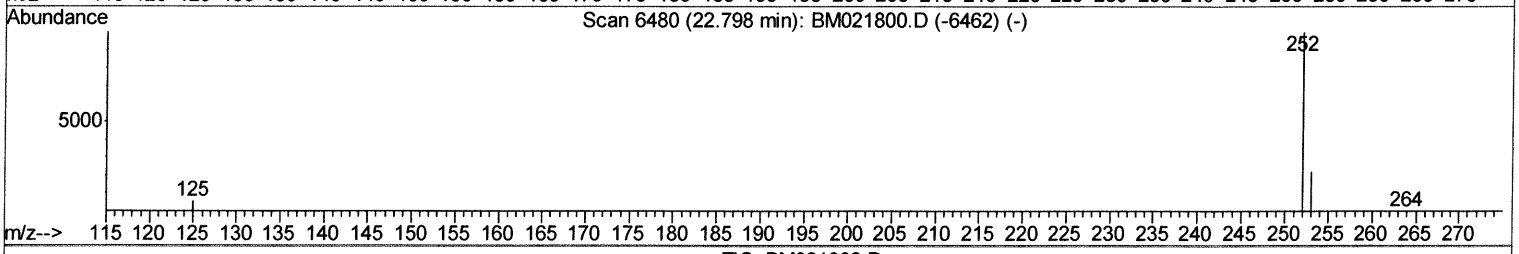
Quant Time: Aug 05 05:34:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM







TIC: BM021802.D

(21) Benzo(b)fluoranthene

22.798min (-0.000) 0.20ng/ul m JU 08/05/19

response 3948

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	41.03
125.00	15.50	21.17
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

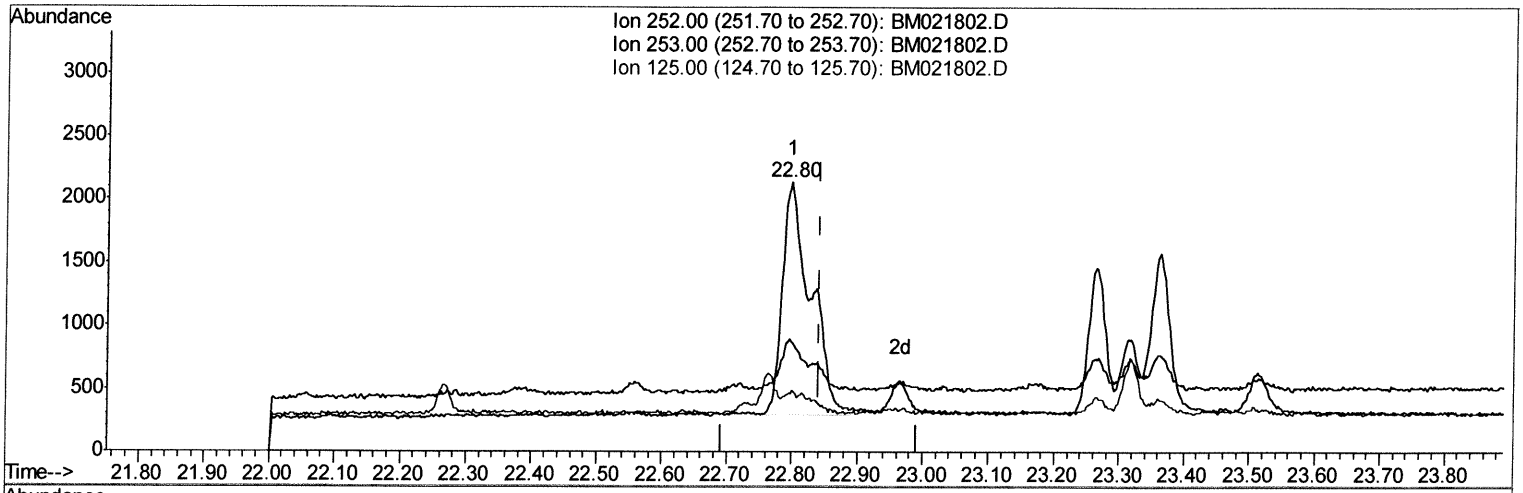
Quantitation Report (Qedit)

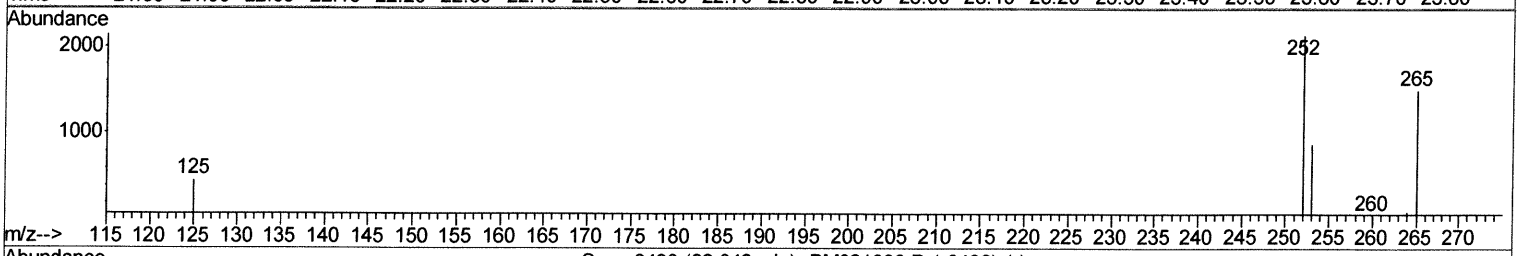
Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

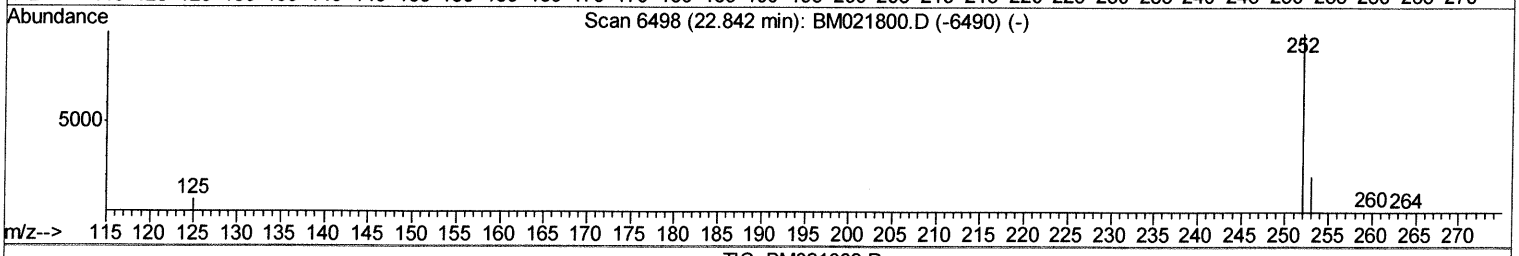
Quant Time: Aug 05 05:34:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM







TIC: BM021802.D

(22) Benzo(k)fluoranthene

22.798min (-0.044) 0.24ng/ul

response 5517

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	41.03#
125.00	15.20	21.17#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

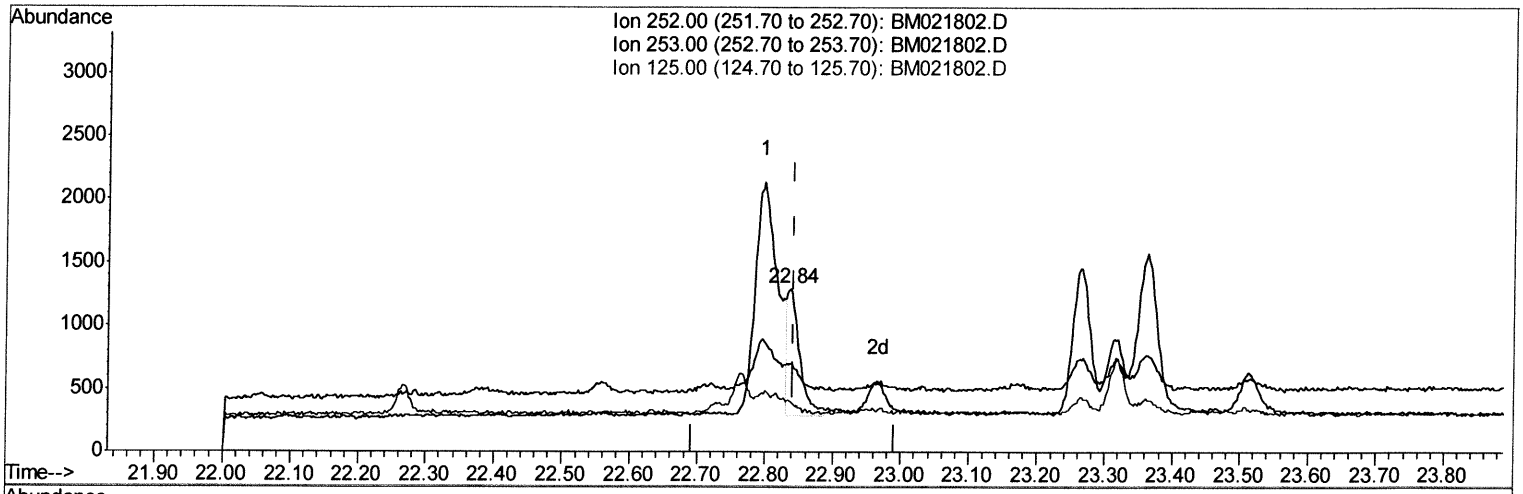
Quantitation Report (Qedit)

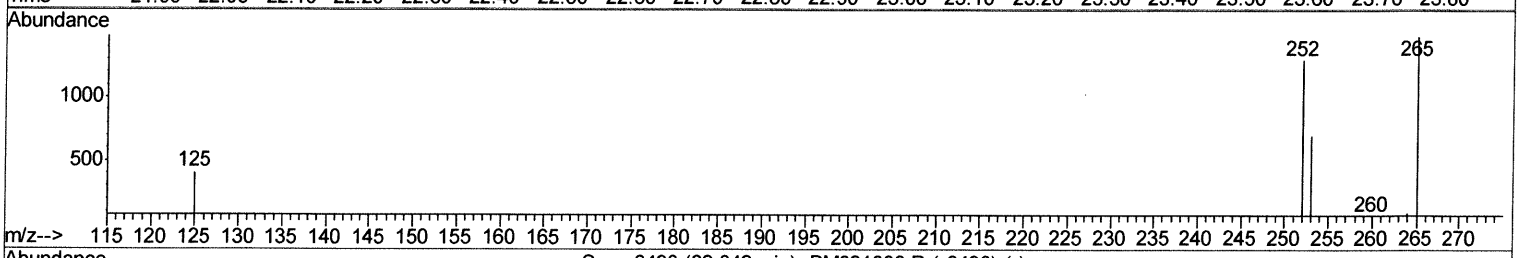
Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

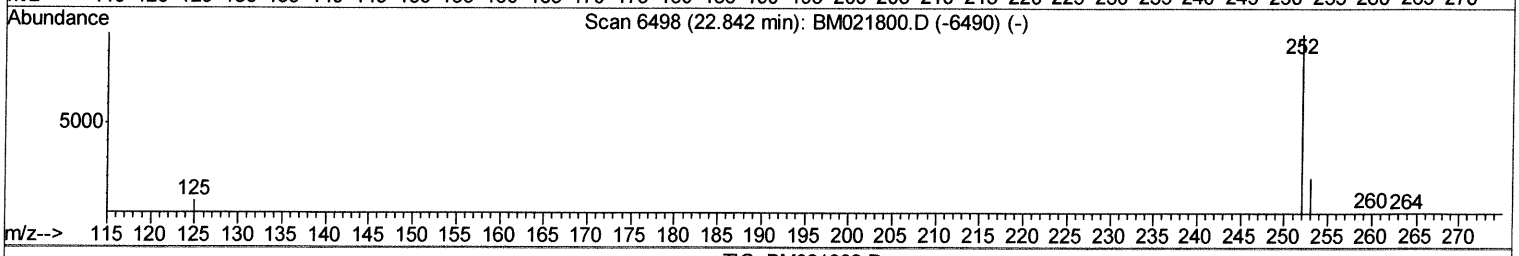
Quant Time: Aug 05 05:34:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM







TIC: BM021802.D

(22) Benzo(k)fluoranthene

22.837min (-0.005) 0.06ng/ul m JU 08/05/19

response 1337

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	54.12#
125.00	15.20	30.84#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\

Quantitation Report (QT Reviewed)

Data File : BM021802.D
Acq On : 04 Aug 2019 08:42
Operator : HP/JU
Sample : K3863-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 05 05:35:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : A52G3

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:01 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	993	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3958	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.29	164	2282	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	5748m>	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	5587m>	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	5904m>	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	871	0.13	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	2923m>	0.15	ng/ul	0.00
Target Compounds						Qvalue
7) Acenaphthylene	14.01	152	246	0.023	ng/ul#	58
12) Phenanthrene	17.08	178	2033	0.122	ng/ul	94
15) Fluoranthene	19.11	202	5399m >	0.241	ng/ul	
17) Pyrene	19.47	202	4908m >	0.214	ng/ul	
18) Benzo(a)anthracene	21.23	228	2379	0.119	ng/ul	93
19) Chrysene	21.28	228	2625	0.102	ng/ul	93
21) Benzo(b)fluoranthene	22.80	252	3948m>	0.198	ng/ul	
22) Benzo(k)fluoranthene	22.84	252	1337m >	0.059	ng/ul	
23) Benzo(a)pyrene	23.36	252	2390	0.118	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.69	276	1941	0.080	ng/ul#	94
26) Benzo(g,h,i)perylene	26.37	276	2092	0.096	ng/ul#	85

JU 08/05/19

JU 08/05/19

JU 08/05/19

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