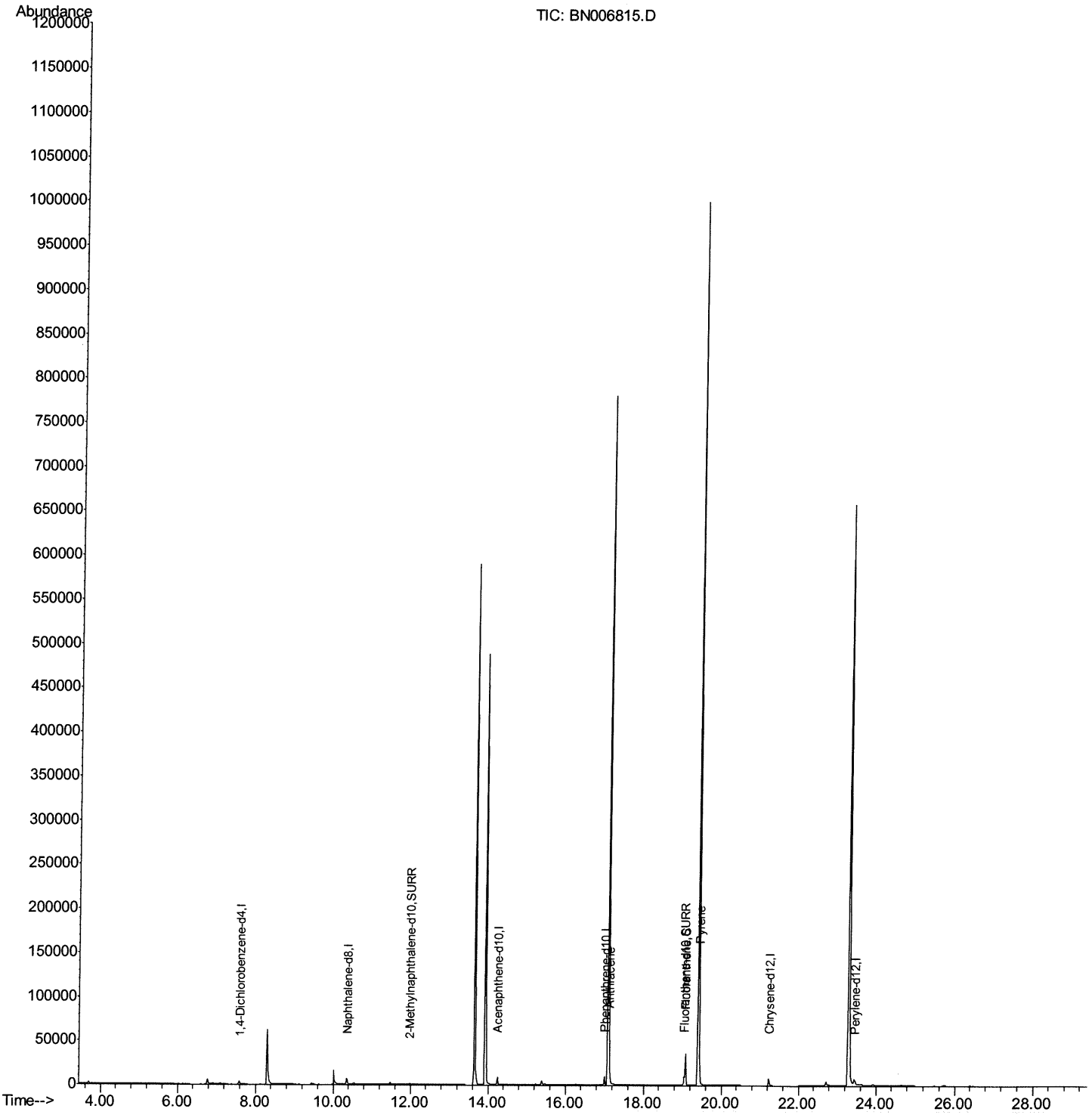
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:26:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM



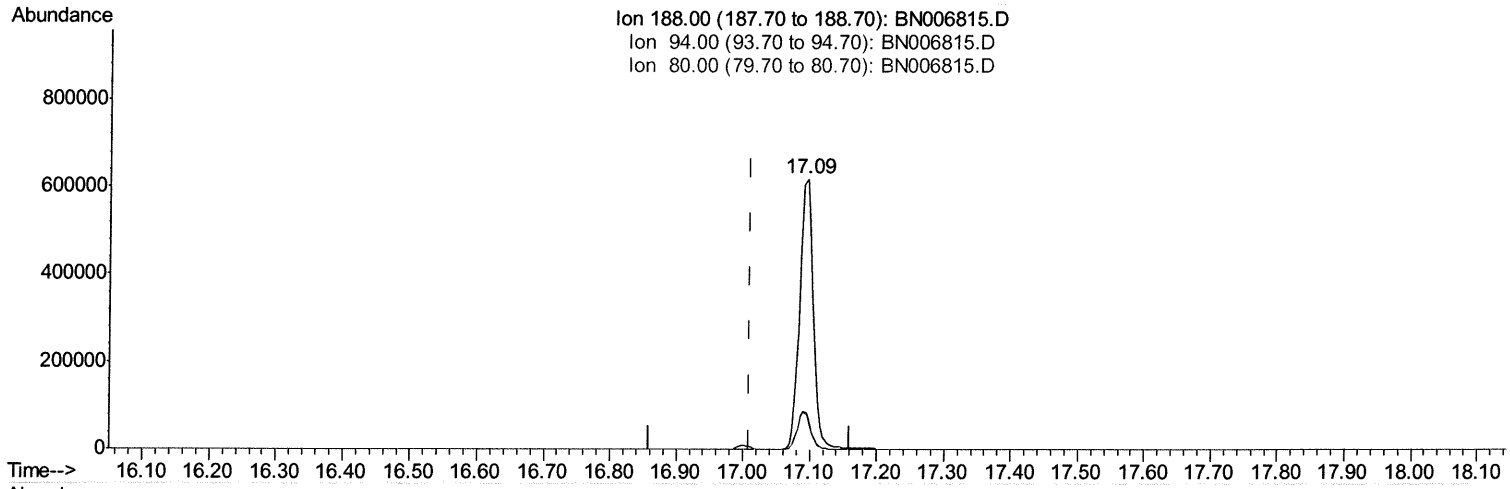
Quantitation Report (Qedit)

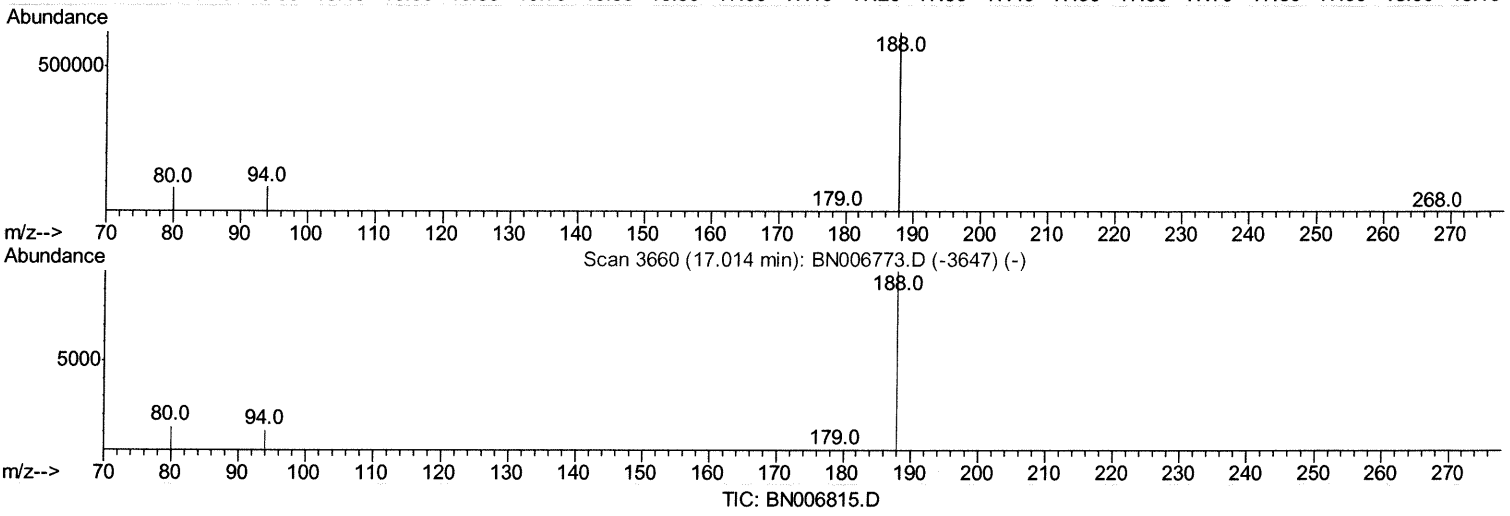
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:21:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM





Scan 3660 (17.014 min): BN006773.D (-3647) (-)

TIC: BN006815.D

(10) Phenanthrene-d10 (I)

17.095min (+0.084) 0.40ng/ul

response 867719

Ion	Exp%	Act%
188.00	100	100
94.00	13.70	13.55
80.00	14.80	12.76
0.00	0.00	0.00

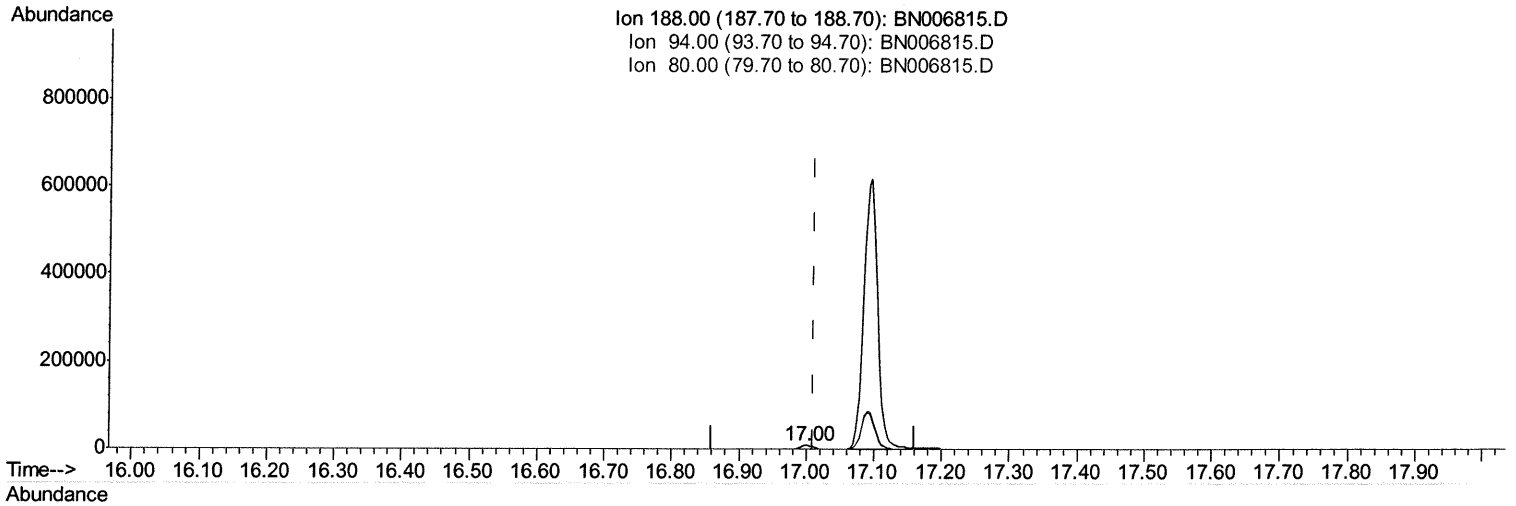
Quantitation Report (Qedit)

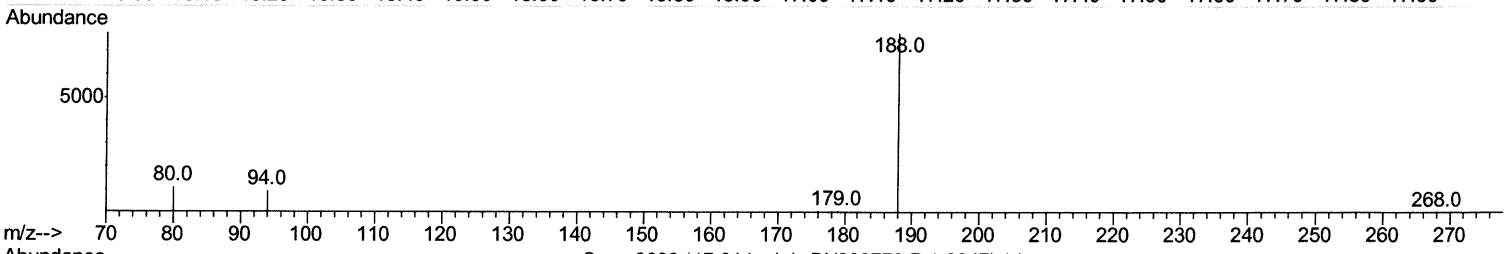
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:21:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

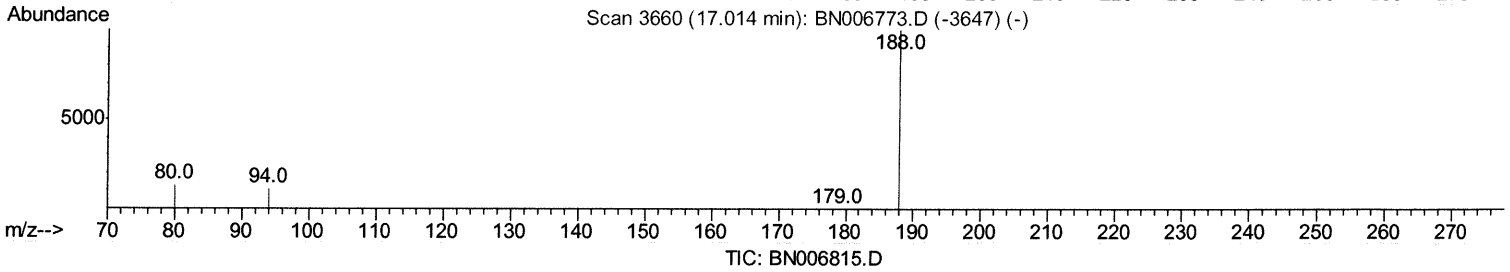
Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM





Scan 3660 (17.014 min): BN006773.D (-3647) (-)



TIC: BN006815.D

(10) Phenanthrene-d10 (I)

17.002min (-0.009) 0.40ng/ul m JU 07/12/19

response 10979

Ion	Exp%	Act%
188.00	100	100
94.00	13.70	12.44
80.00	14.80	14.41
0.00	0.00	0.00

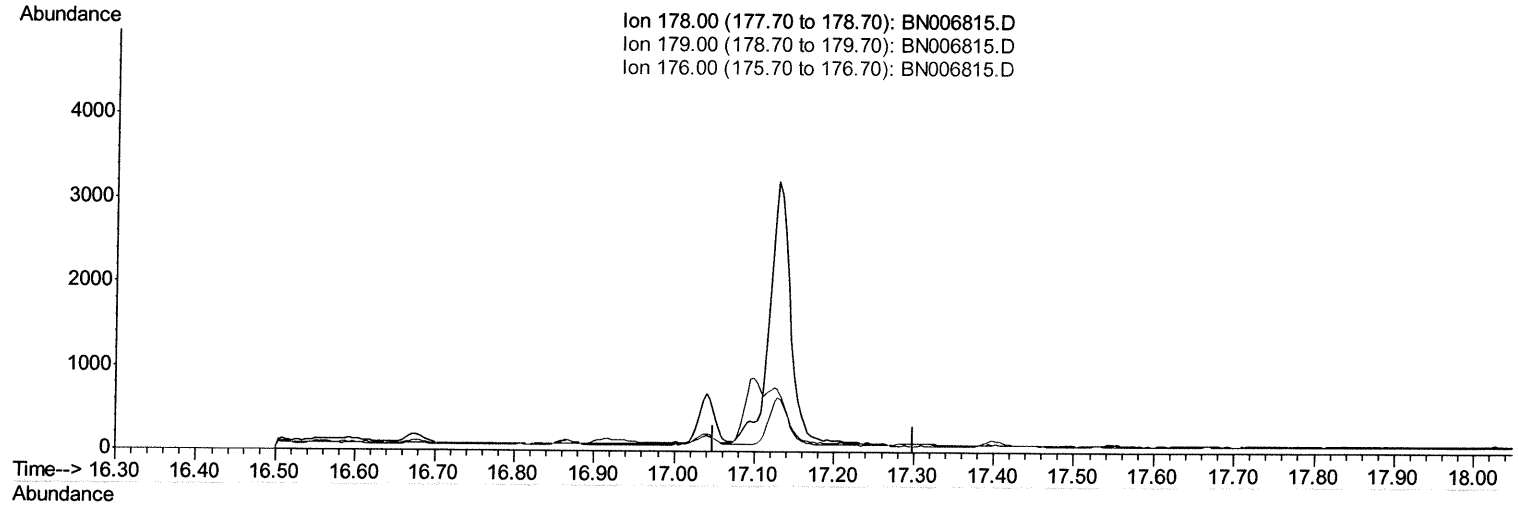
Quantitation Report (Qedit)

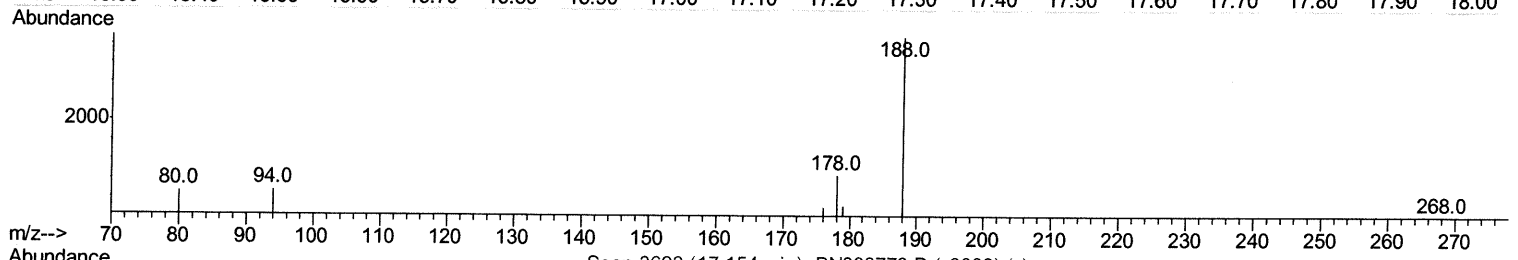
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

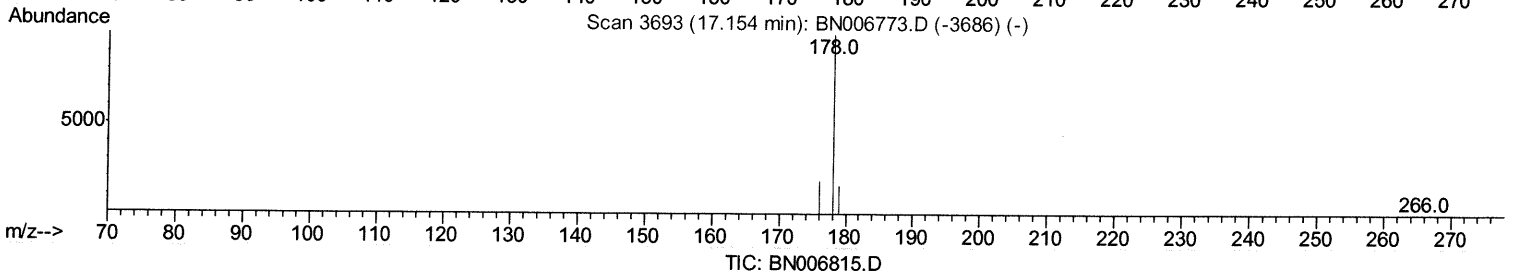
Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM





Scan 3693 (17.154 min): BN006773.D (-3686) (-)



TIC: BN006815.D

(13) Anthracene

17.149min (-17.149) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	15.90	0.00#
176.00	19.70	0.00#
0.00	0.00	0.00

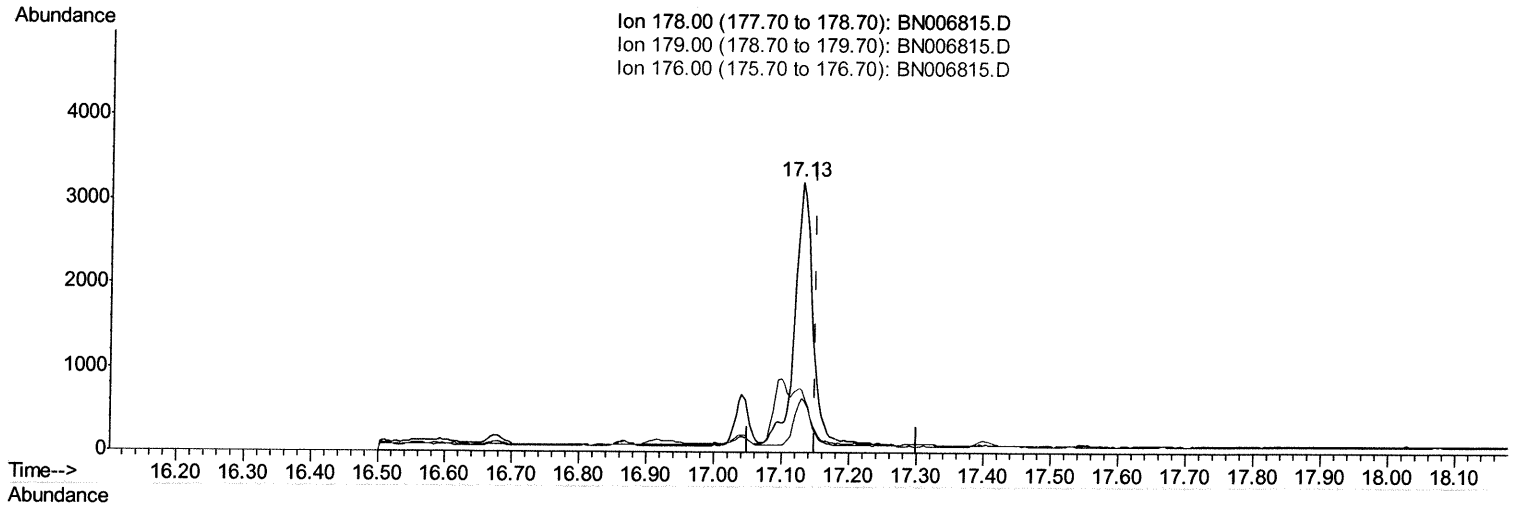
Quantitation Report (Qedit)

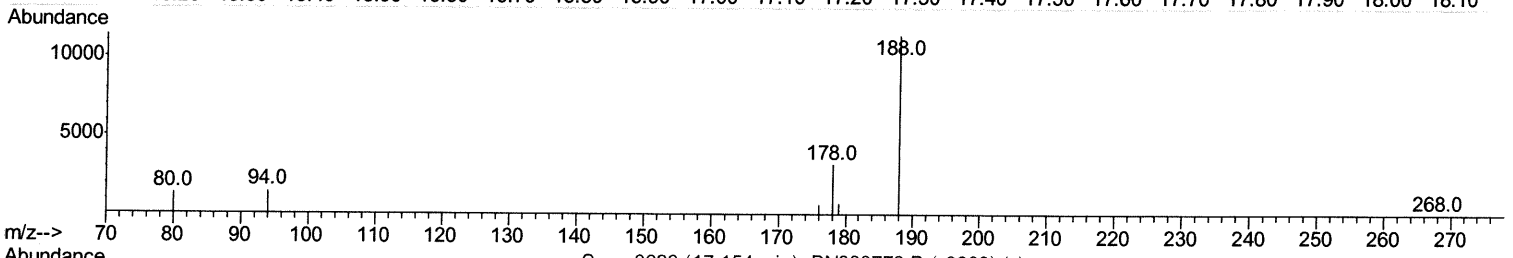
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

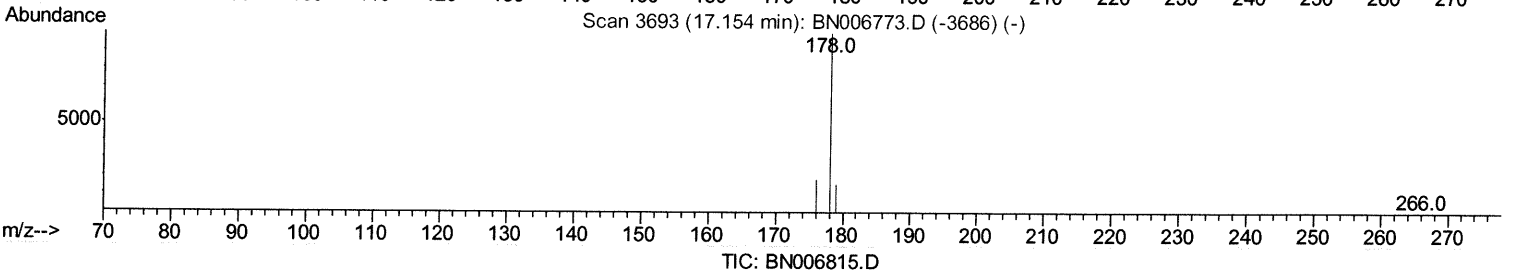
Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM





Scan 3693 (17.154 min): BN006773.D (-3686) (-)



TIC: BN006815.D

(13) Anthracene

17.128min (-0.021) 0.17ng/ul m JV 07/12/19

response 5180

Ion	Exp%	Act%
178.00	100	100
179.00	15.90	23.41#
176.00	19.70	20.08
0.00	0.00	0.00

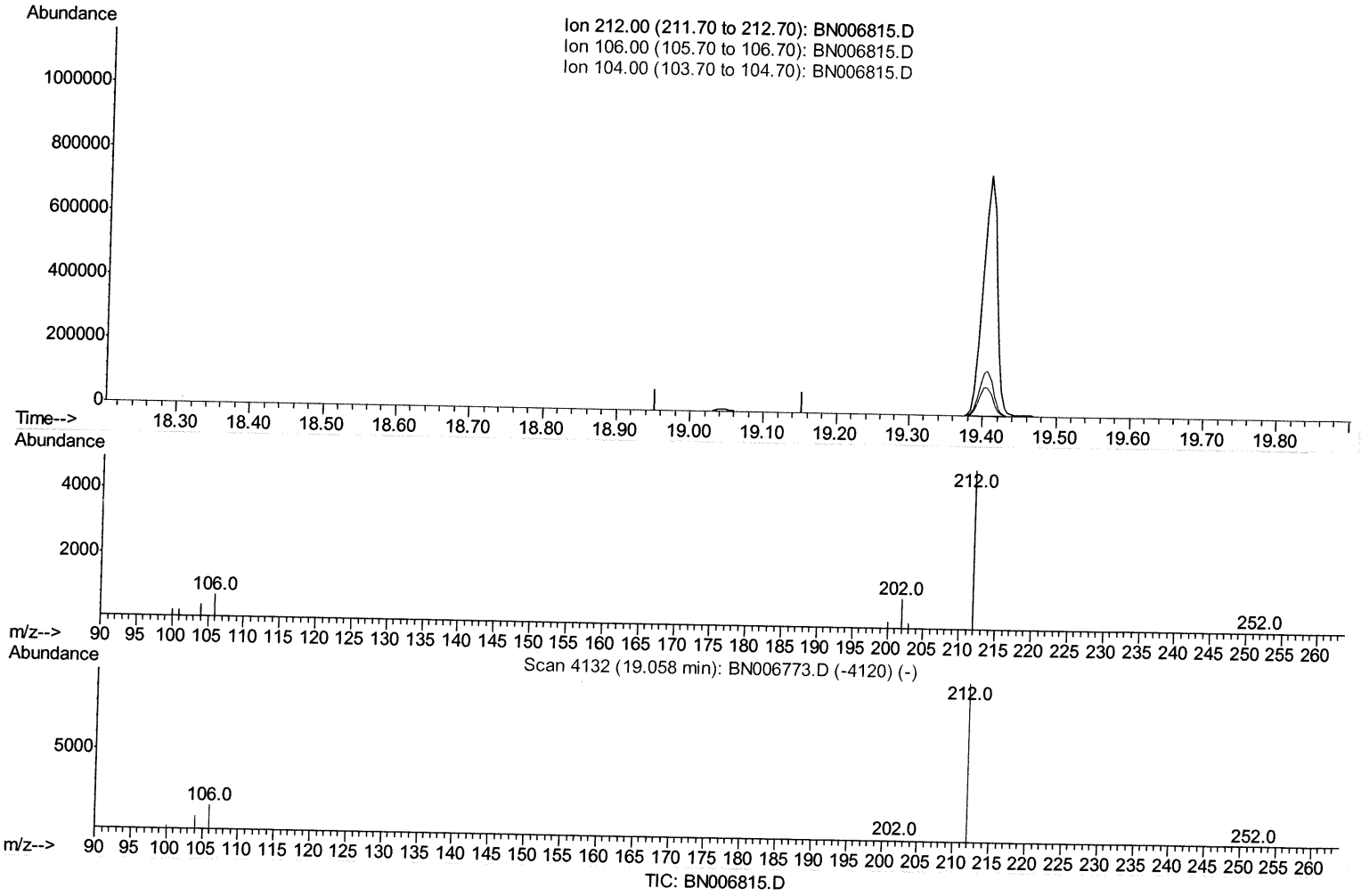
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM



(14) Fluoranthene-d10 (SURR)

19.053min (-19.053) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	17.80	0.00#
104.00	9.70	0.00#
0.00	0.00	0.00

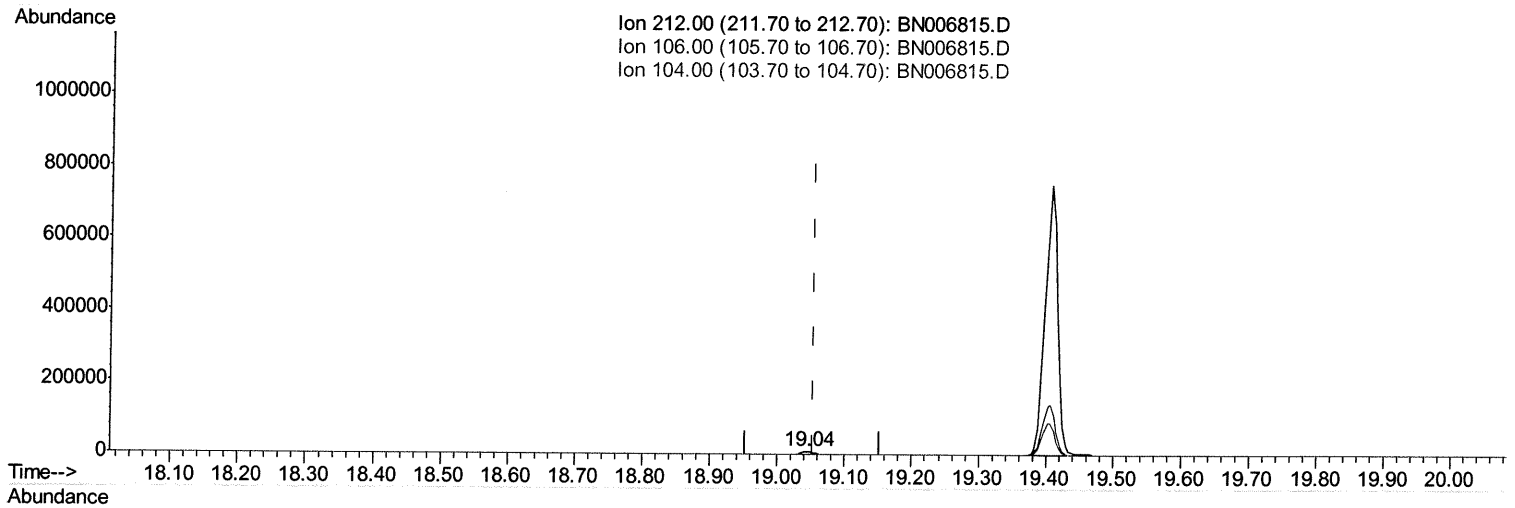
Quantitation Report (Qedit)

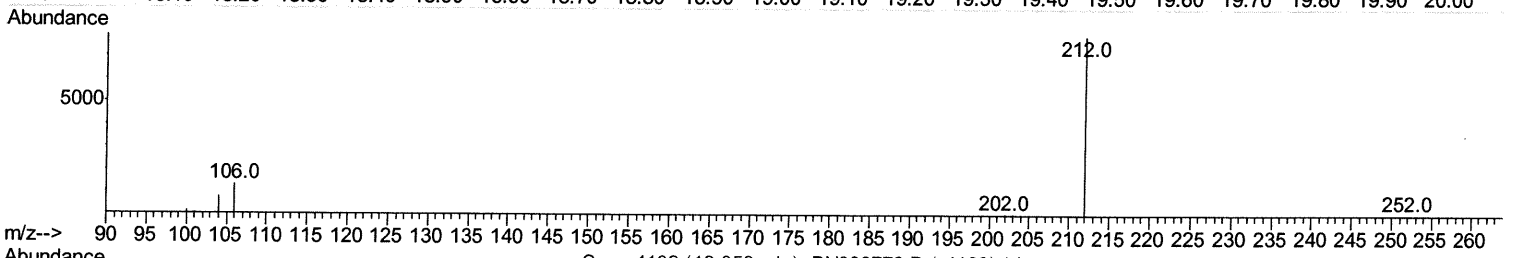
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

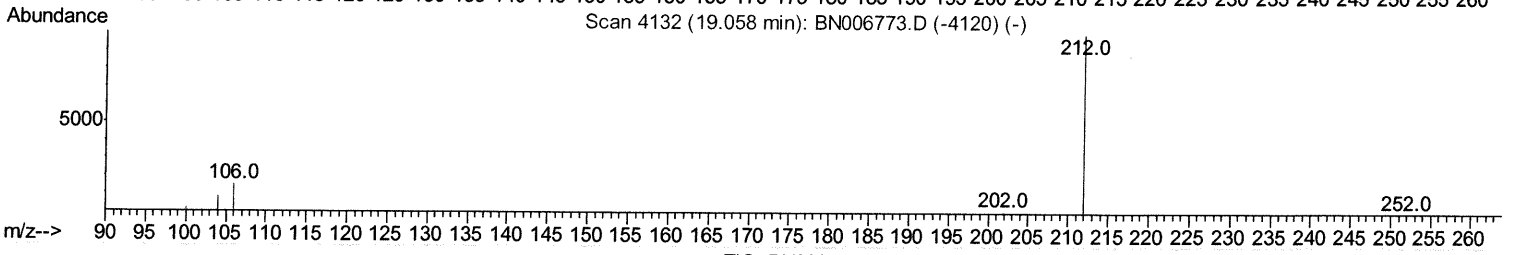
Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM





Scan 4132 (19.058 min): BN006773.D (-4120) (-)



TIC: BN006815.D

(14) Fluoranthene-d10 (SURR)

19.044min (-0.009) 0.33ng/ul m JU 07/12/19

response 10563

Ion	Exp%	Act%
212.00	100	100
106.00	17.80	0.00#
104.00	9.70	0.00#
0.00	0.00	0.00

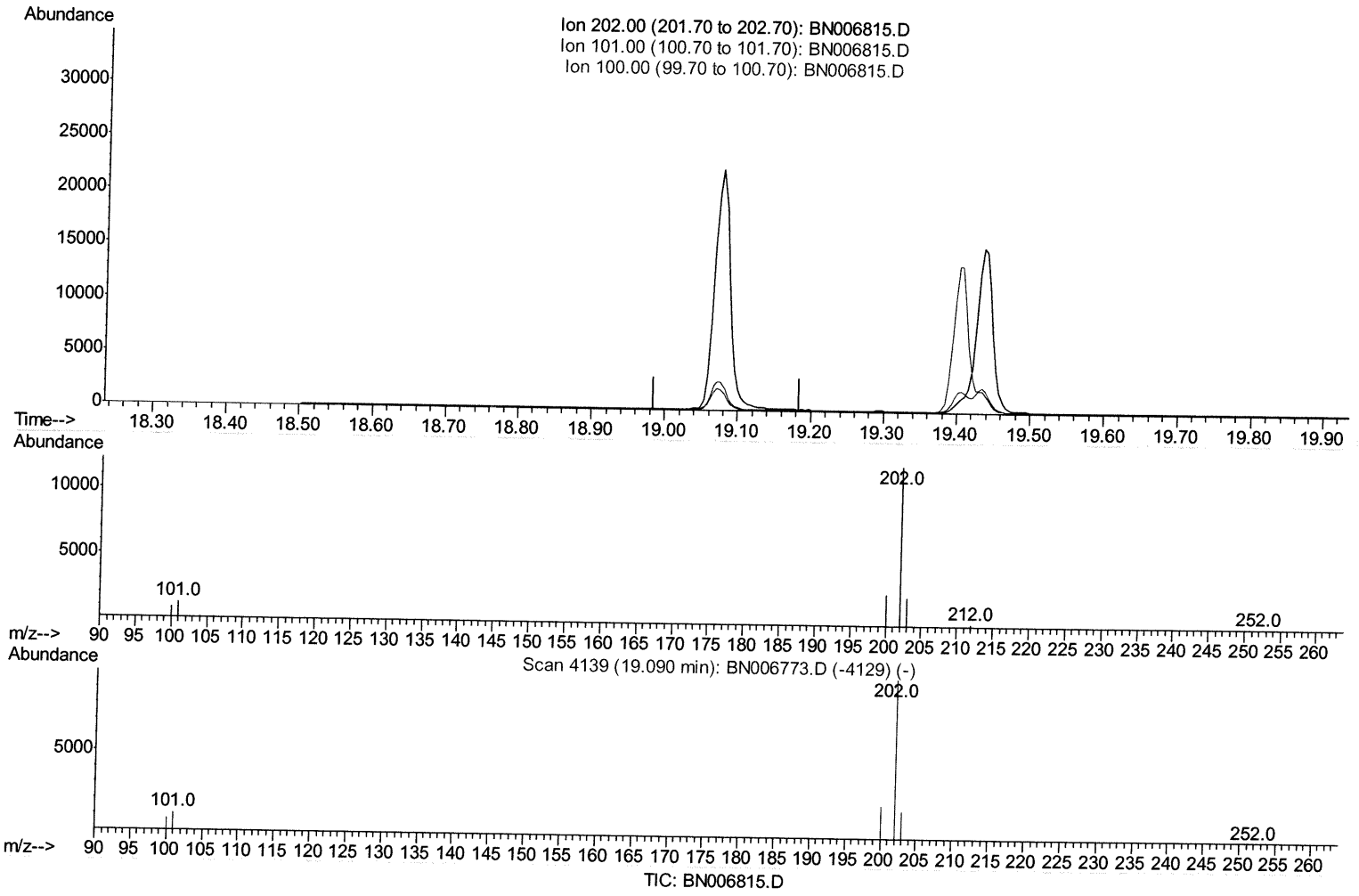
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM



TIC: BN006815.D

(15) Fluoranthene (C)

19.086min (-19.086) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	13.20	0.00
100.00	9.90	0.00
0.00	0.00	0.00

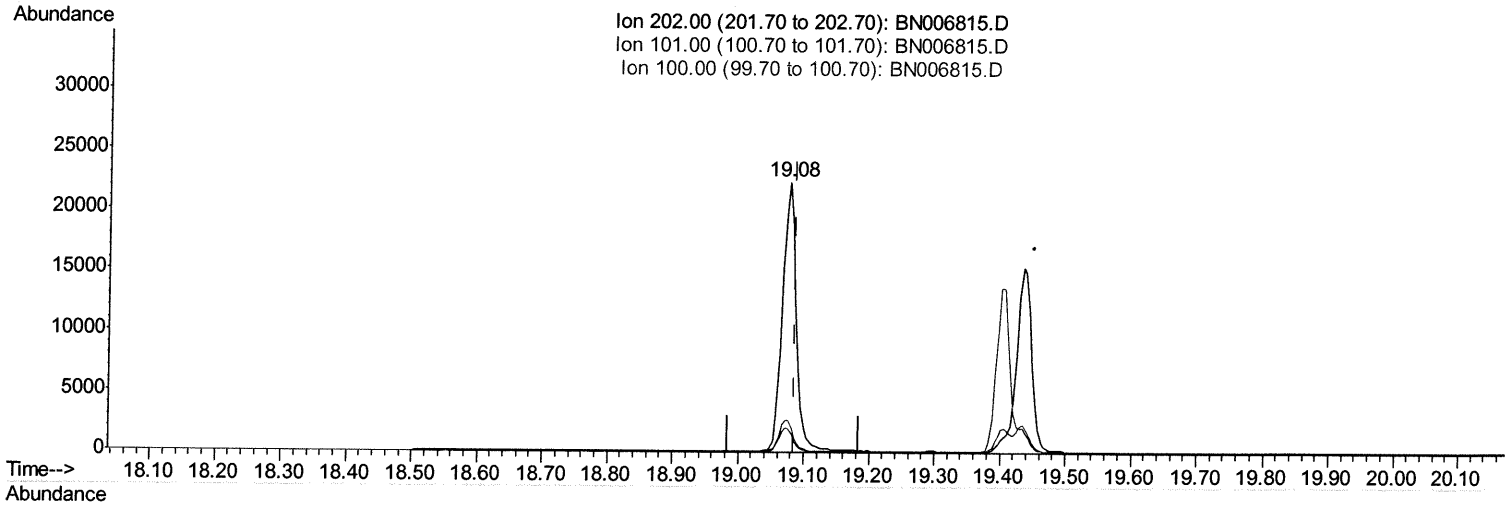
Quantitation Report (Qedit)

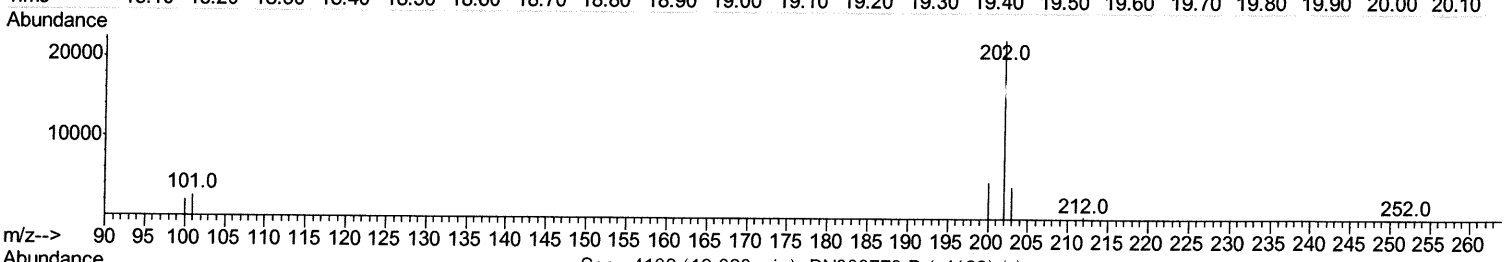
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

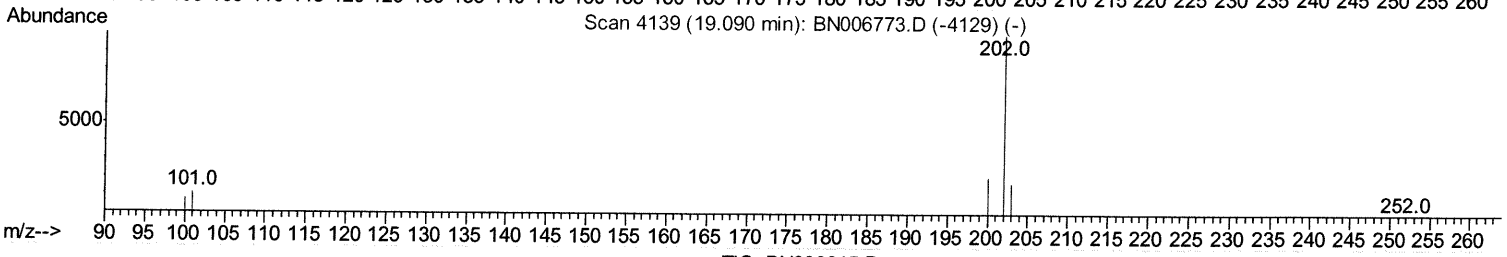
Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM





Scan 4139 (19.090 min): BN006773.D (-4129) (-)



TIC: BN006815.D

(15) Fluoranthene (C)

19.076min (-0.009) 0.75ng/ul m JU 07/12/19

response 32880

Ion	Exp%	Act%
202.00	100	100
101.00	13.20	11.93
100.00	9.90	8.83
0.00	0.00	0.00

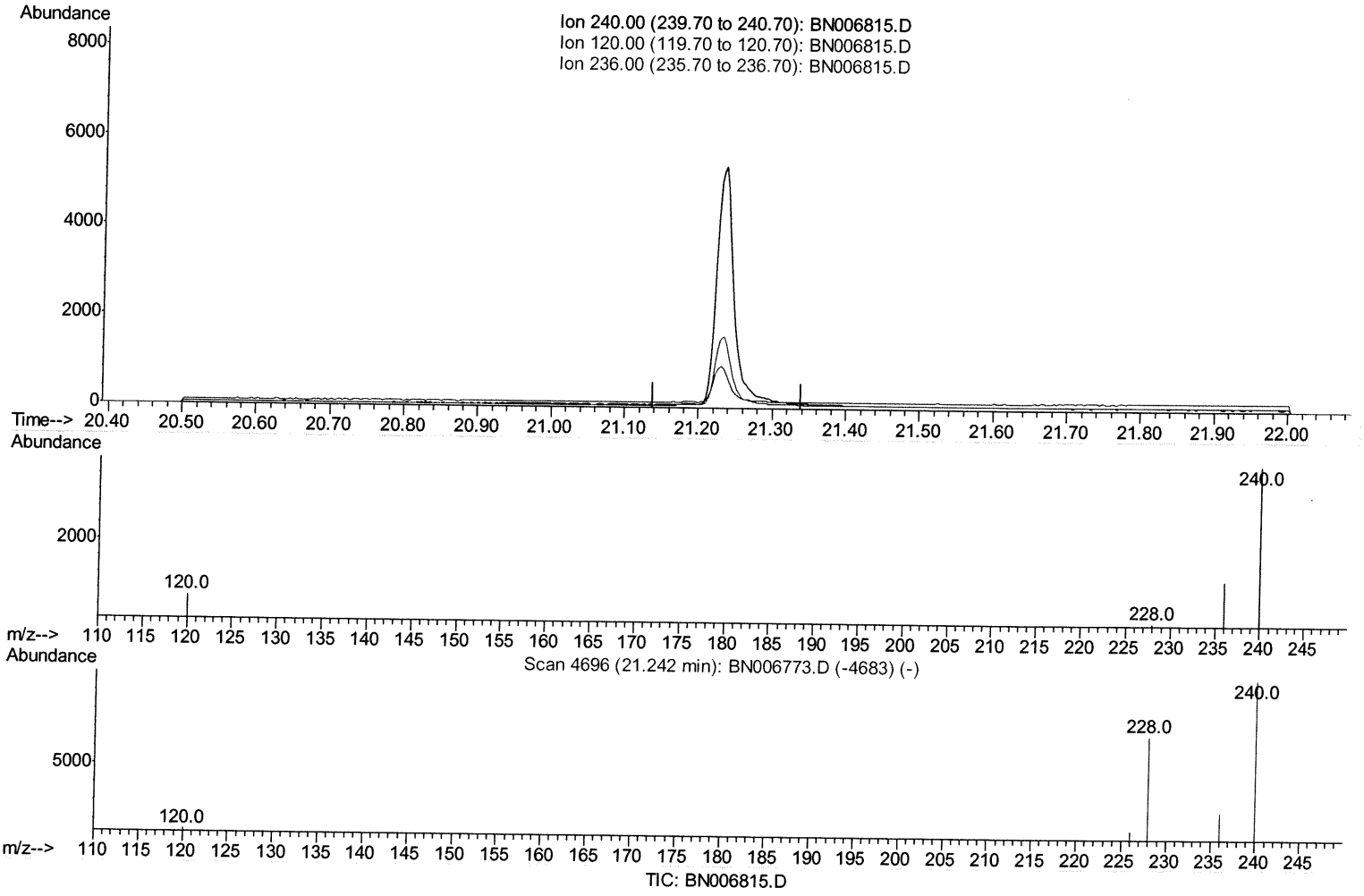
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM



(16) Chrysene-d12 (I)

21.239min (-21.239) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	20.20	0.00#
236.00	30.00	0.00#
0.00	0.00	0.00

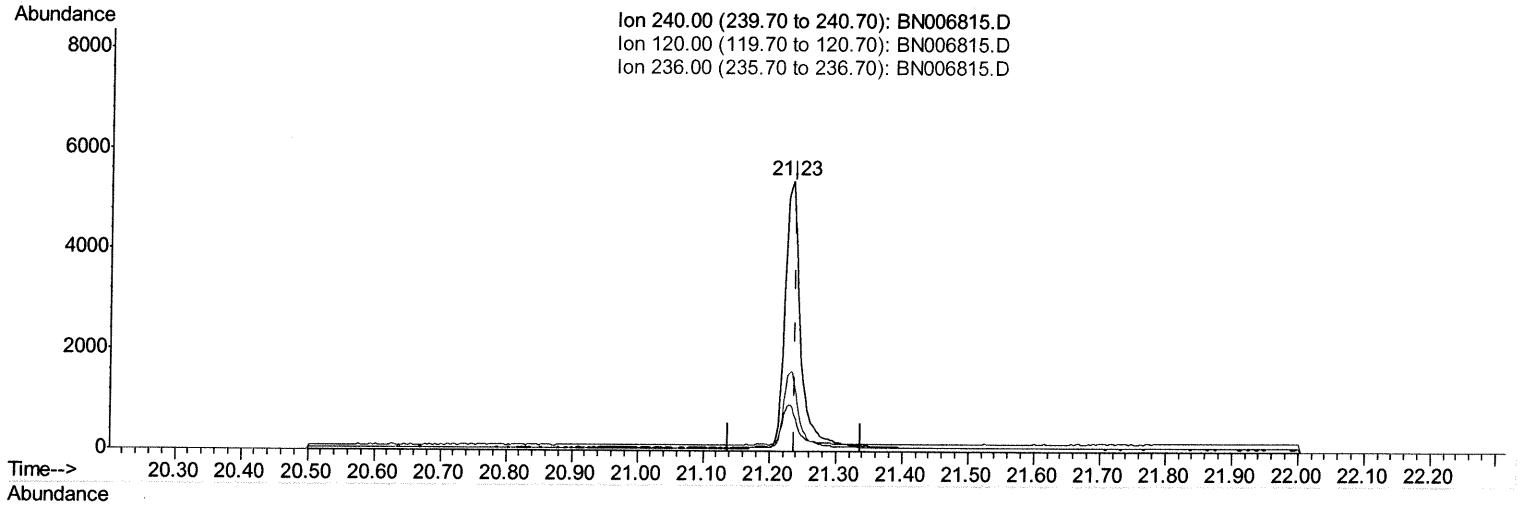
Quantitation Report (Qedit)

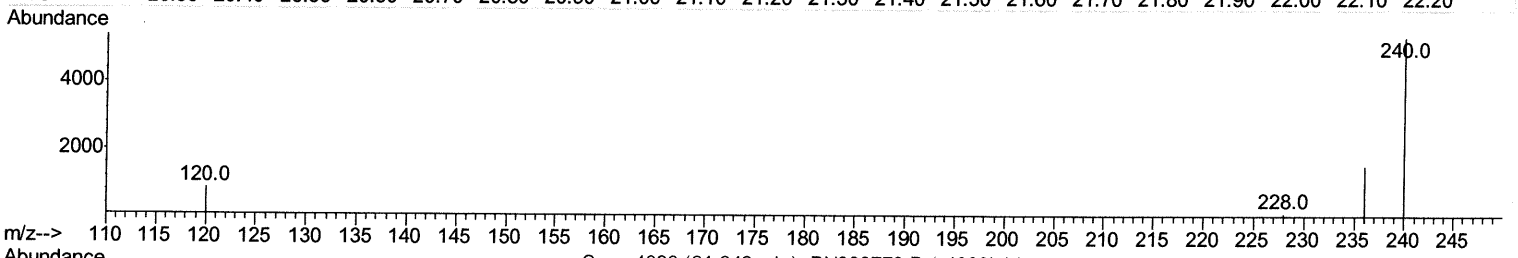
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

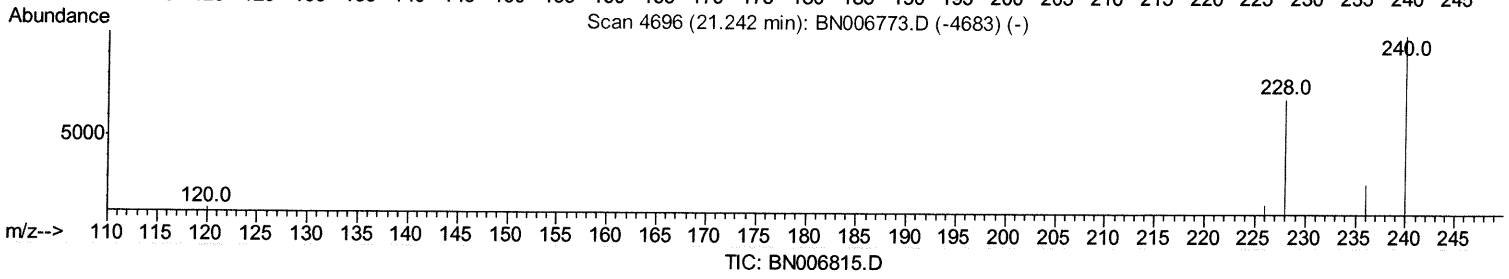
Quant Time: Jul 12 08:22:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM







(16) Chrysene-d12 (I) JU 07/12/19

21.233min (-0.006) 0.40ng/ul m

response 8648

Ion	Exp%	Act%
240.00	100	100
120.00	20.20	16.19
236.00	30.00	29.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:25:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
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Instrument :
BNA_N
ClientSampleId :
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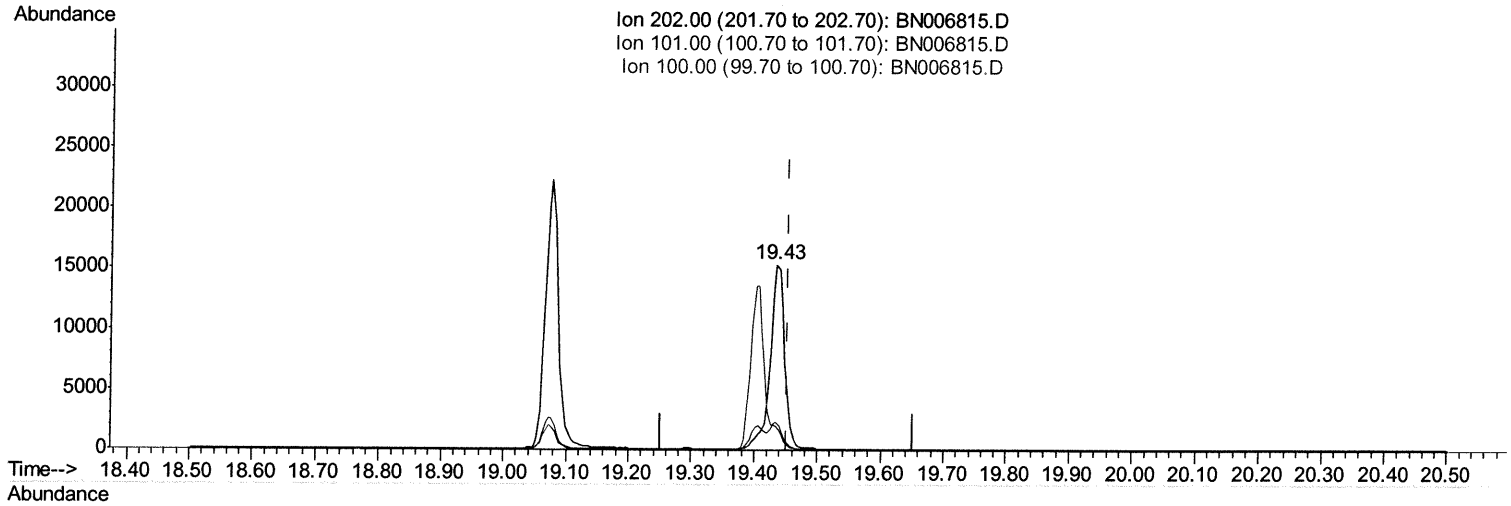
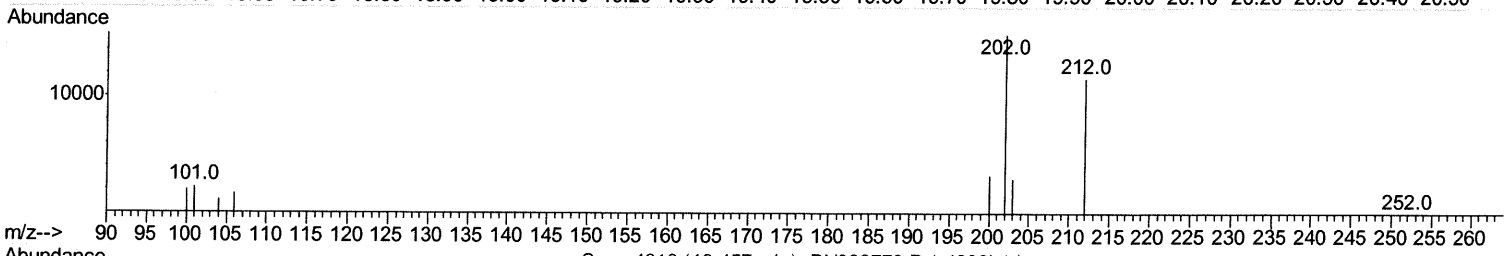
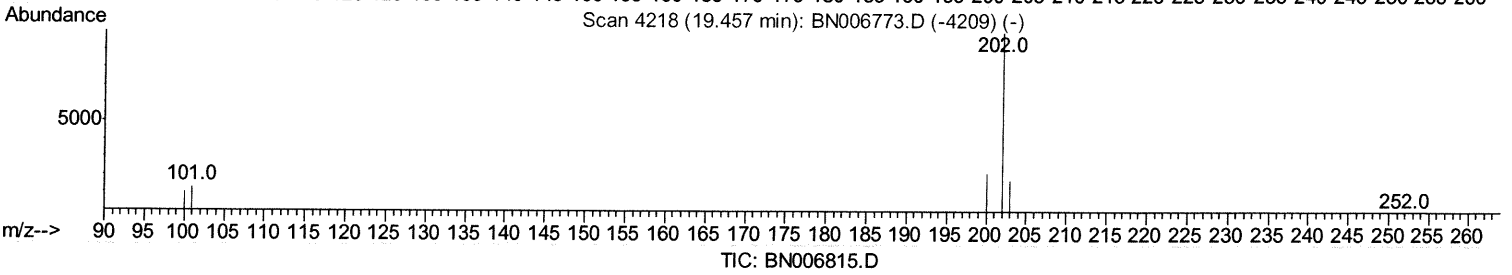
Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM







TIC: BN006815.D

(17) Pyrene

19.434min (-0.019) 0.63ng/ul

response 24811

Ion	Exp%	Act%
202.00	100	100
101.00	15.20	14.95
100.00	12.30	13.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:25:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
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Instrument :
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ClientSampleId :
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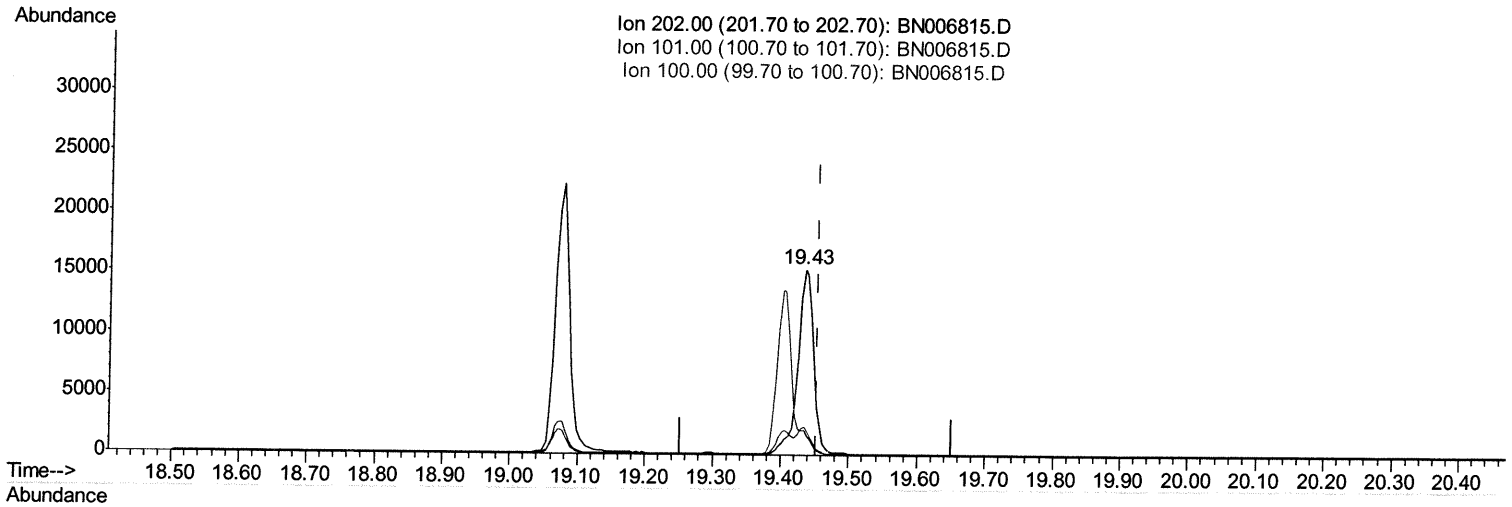
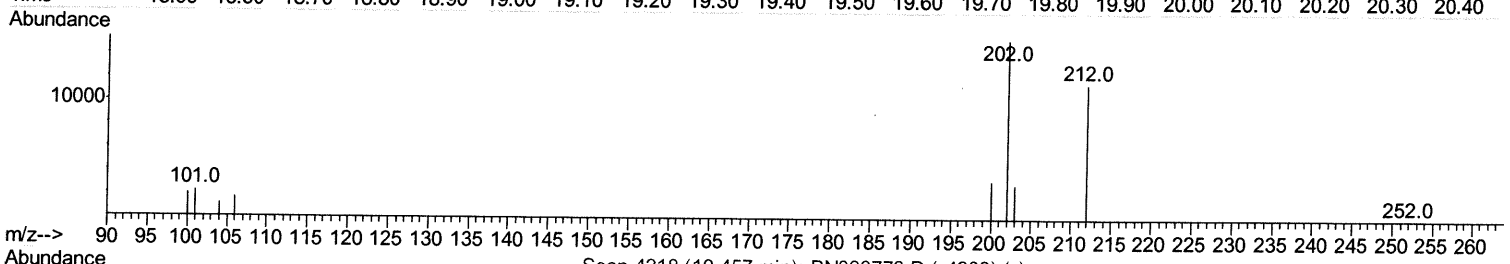
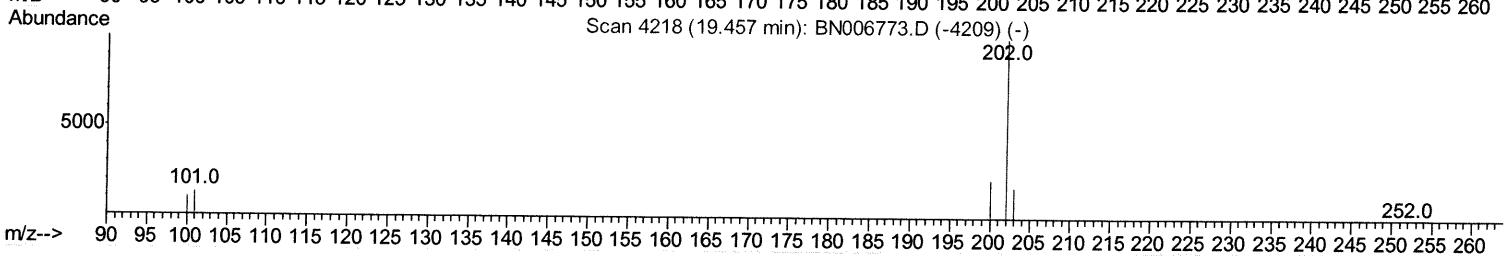
Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM





Scan 4218 (19.457 min): BN006773.D (-4209) (-)



TIC: BN006815.D

(17) Pyrene

19.434min (-0.019) 0.57ng/ul m JU 07/12/19

response 22389

Ion	Exp%	Act%
202.00	100	100
101.00	15.20	14.95
100.00	12.30	13.13
0.00	0.00	0.00

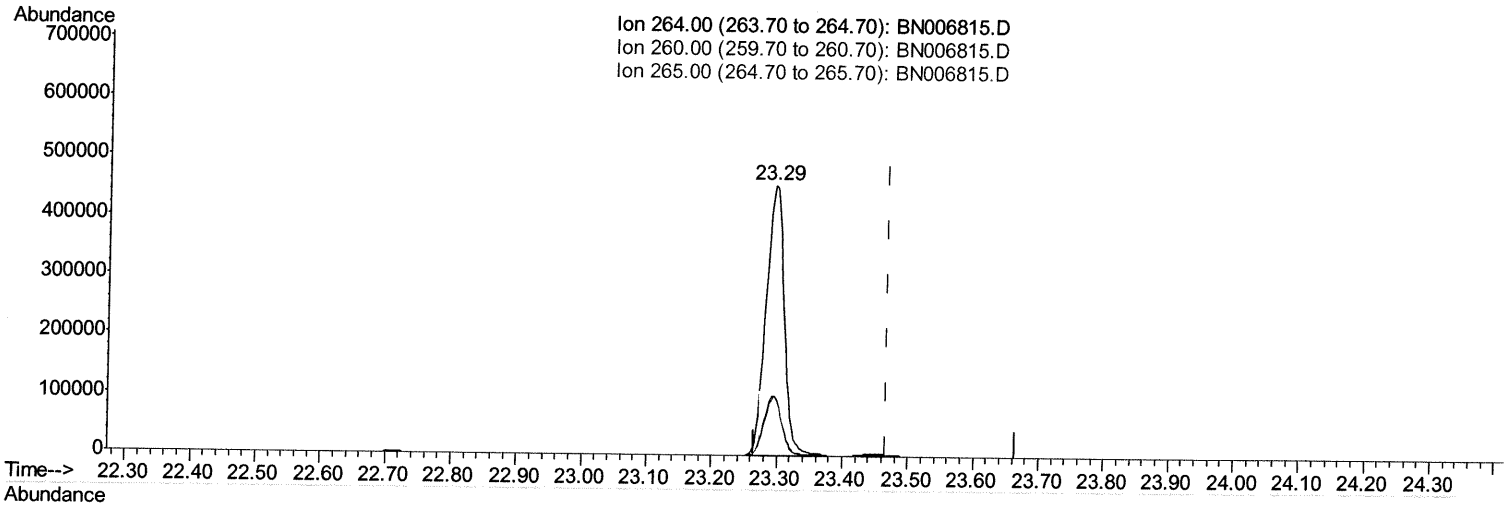
Quantitation Report (Qedit)

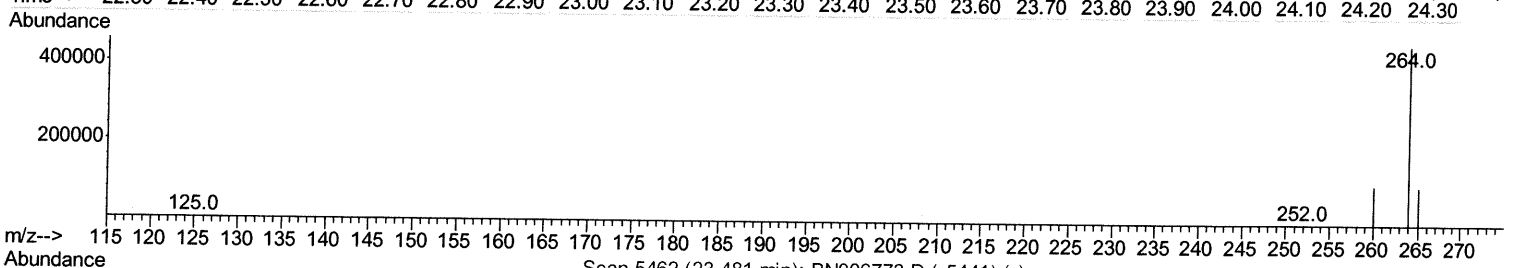
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 12 08:25:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

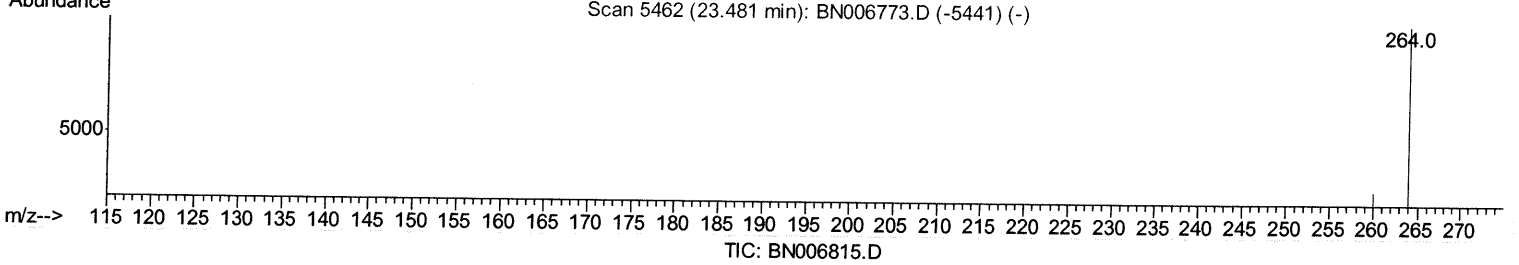
Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM





Scan 5462 (23.481 min): BN006773.D (-5441) (-)



TIC: BN006815.D

(20) Perylene-d12 (I)

23.294min (-0.173) 0.40ng/ul

response 834280

Ion	Exp%	Act%
264.00	100	100
260.00	27.80	22.19#
265.00	36.10	21.62#
0.00	0.00	0.00

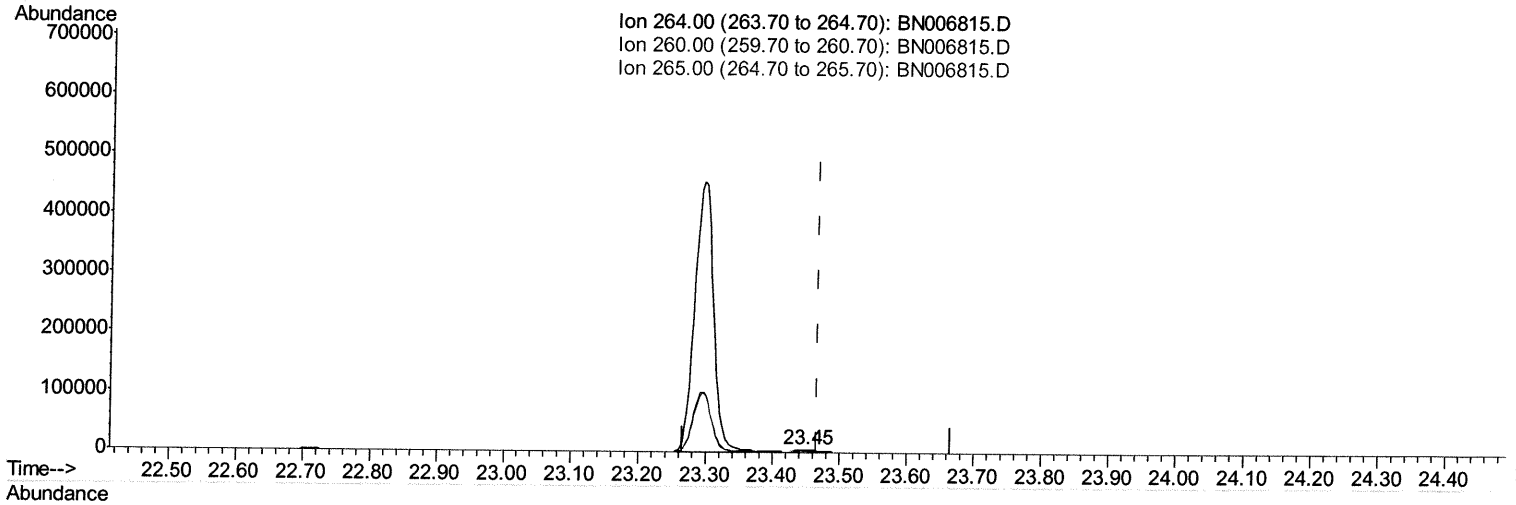
Quantitation Report (Qedit)

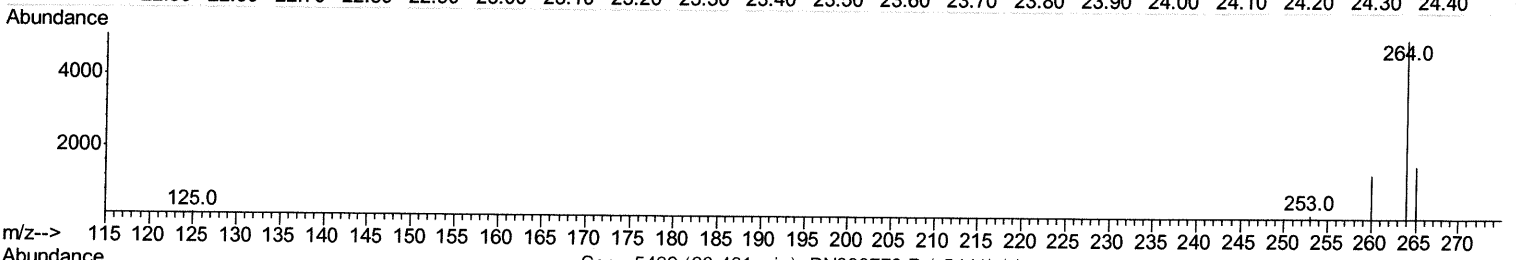
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

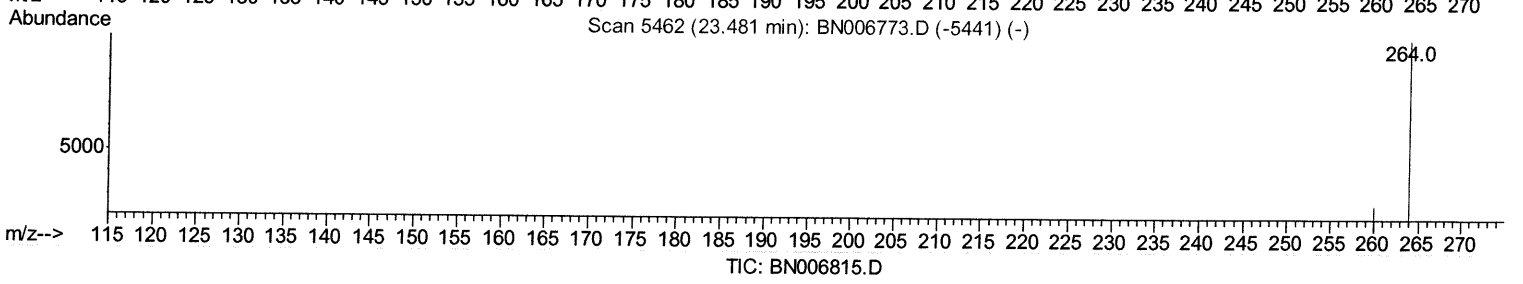
Quant Time: Jul 12 08:25:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM







(20) Perylene-d12 (I)

23.448min (-0.018) 0.40ng/ul m JU 07/12/19

response 7296

Ion	Exp%	Act%
264.00	100	100
260.00	27.80	27.03
265.00	36.10	31.91
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006815.D
Acq On : 12 Jul 2019 03:30
Operator : HP/JU
Sample : K3717-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BF4A7

Manual Integrations APPROVED
mohammad
7/12/2019 10:27:36 PM

Quant Time: Jul 12 08:26:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	2581	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	9417	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	4928	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	10979m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	8648m>	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	7296m>	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3508	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	10563m>	0.33	ng/ul	0.00
Target Compounds						Qvalue
13) Anthracene	17.13	178	5180m>	0.170	ng/ul	
15) Fluoranthene	19.08	202	32880m>	0.753	ng/ul	
17) Pyrene	19.43	202	22389m>	0.567	ng/ul	

JU 07/12/19

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