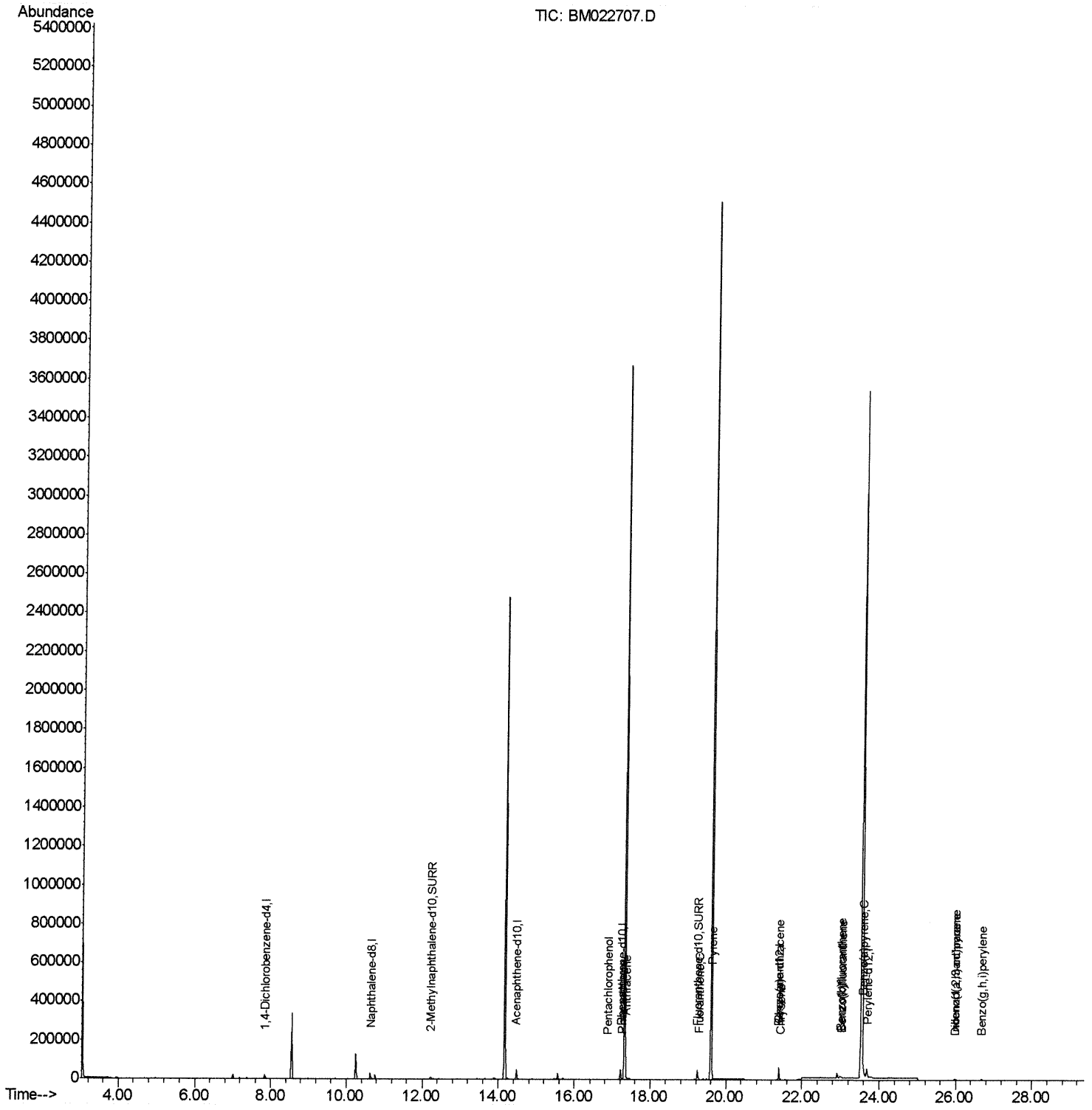
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:32:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM



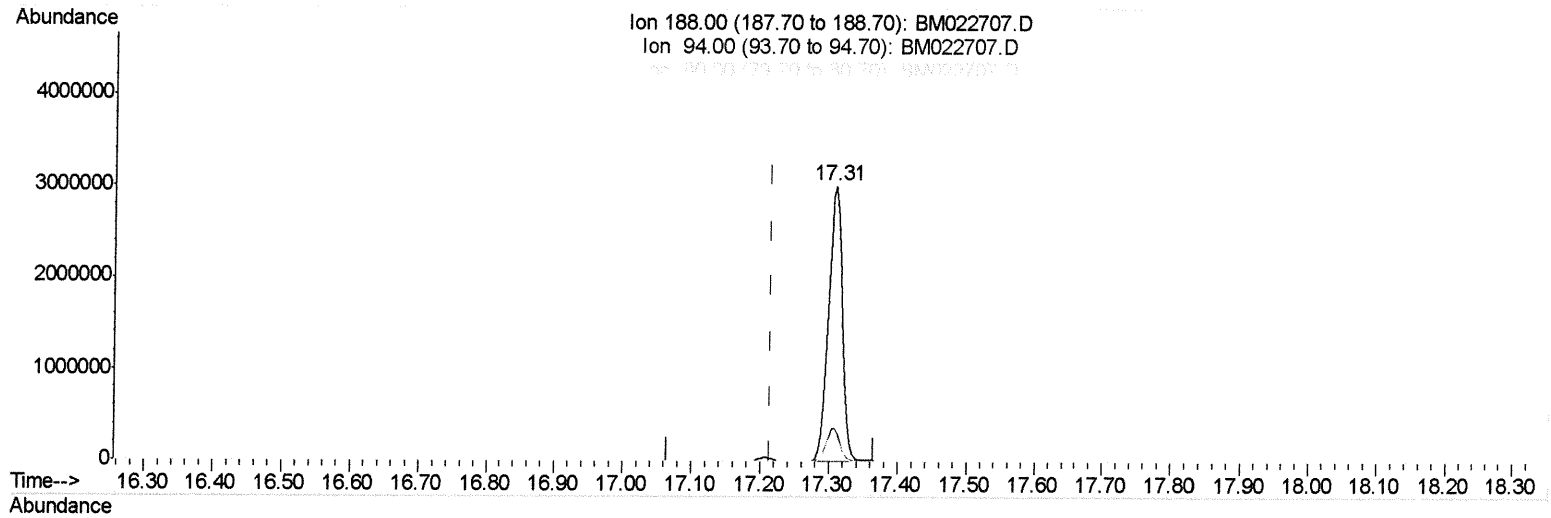
Quantitation Report (Qedit)

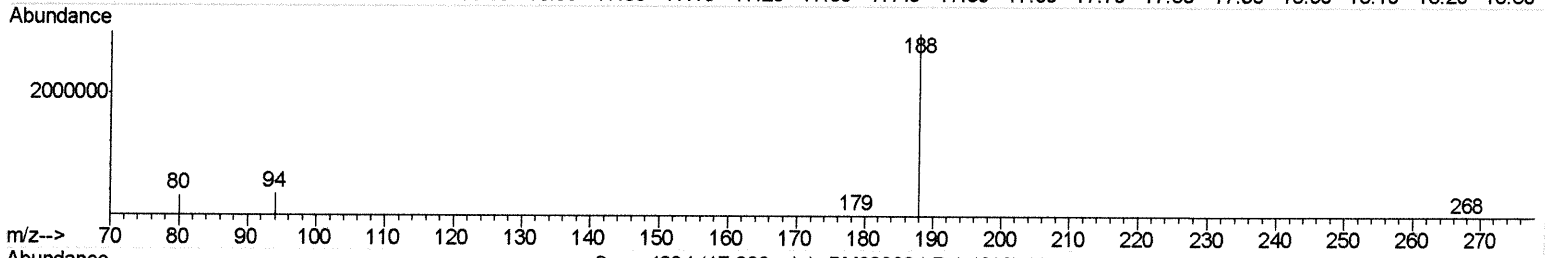
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

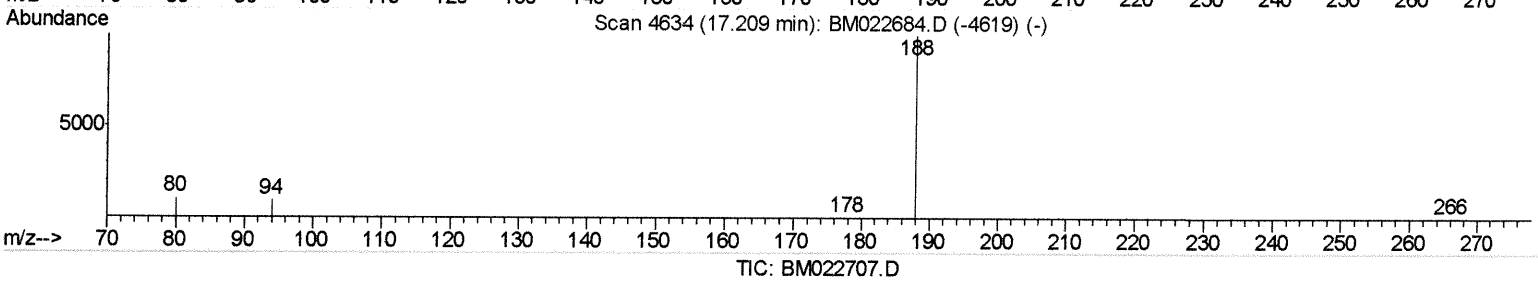
Quant Time: Sep 17 17:52:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM







TIC: BM022707.D

(10) Phenanthrene-d10 (I)

17.308min (+0.092) 0.40ng/ul

response 4276546

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	11.84#
80.00	11.00	10.35
0.00	0.00	0.00

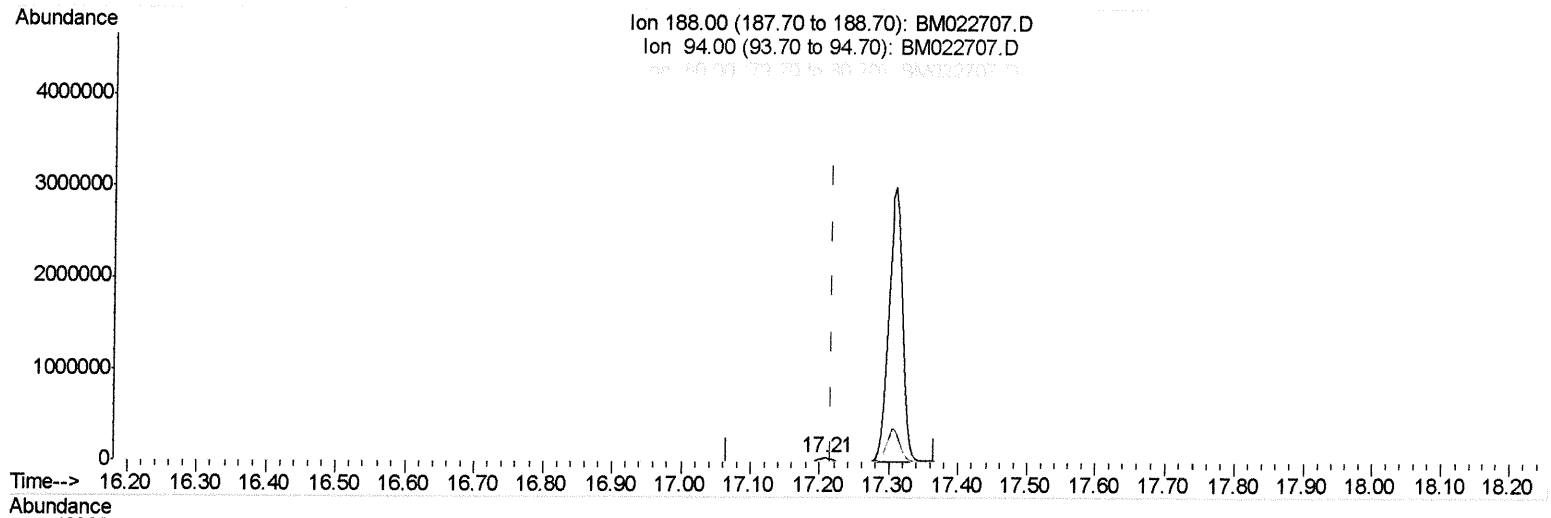
Quantitation Report (Qedit)

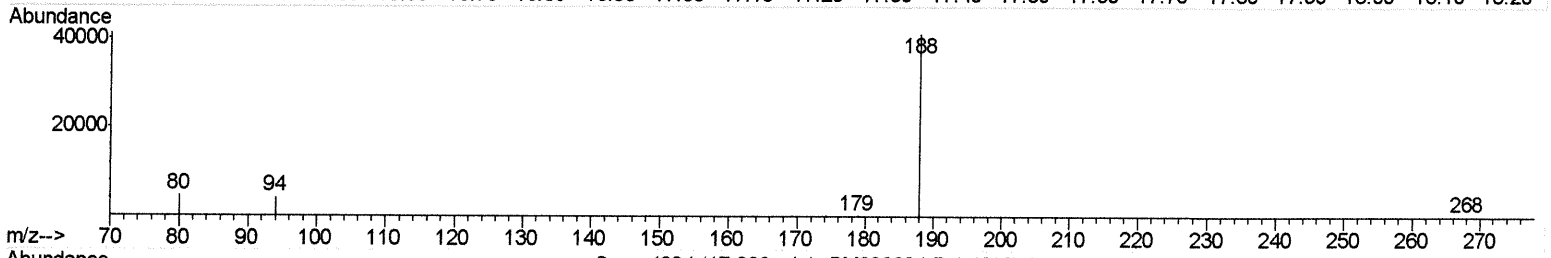
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

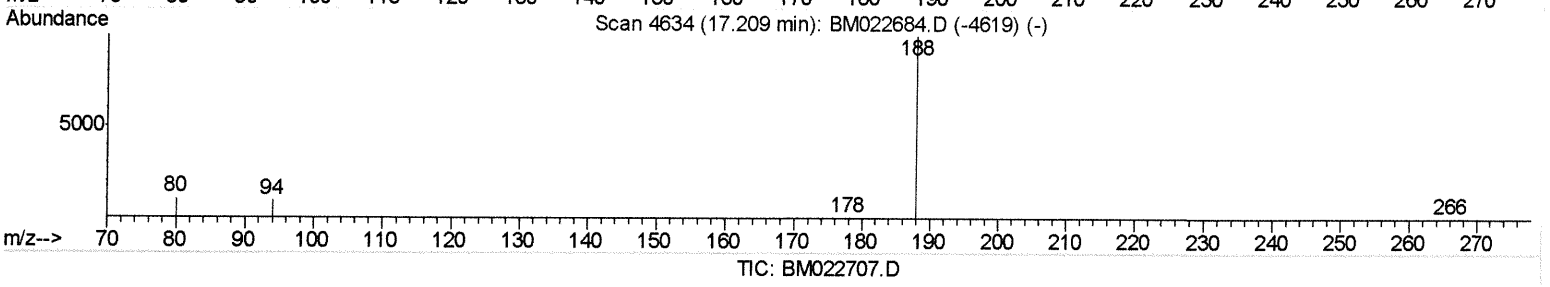
Quant Time: Sep 17 17:52:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM







(10) Phenanthrene-d10 (I)

17.207min (-0.009) 0.40ng/ul m JH 09/24/19

response 56160

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	9.89
80.00	11.00	10.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
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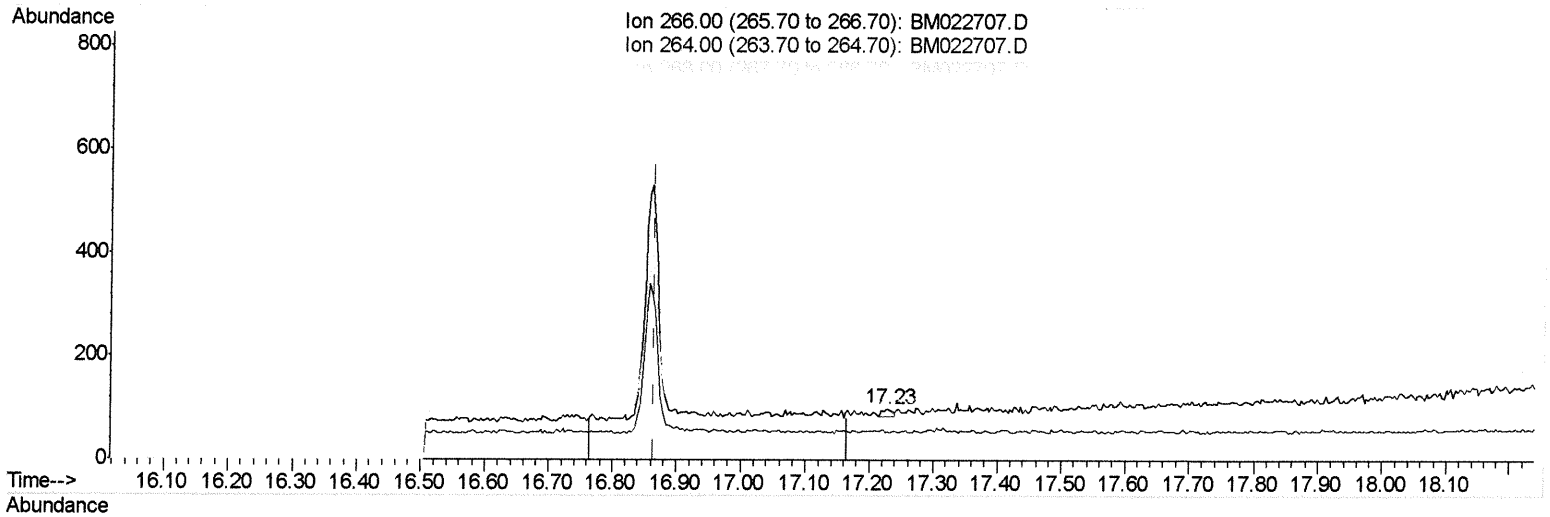
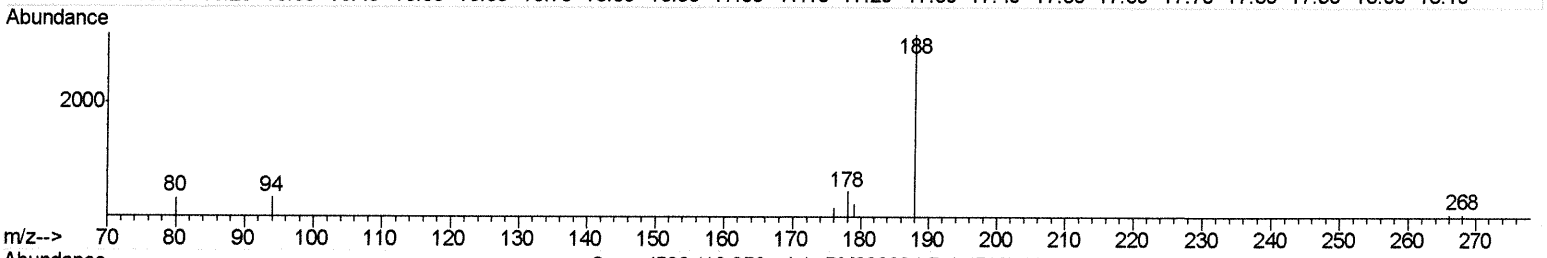
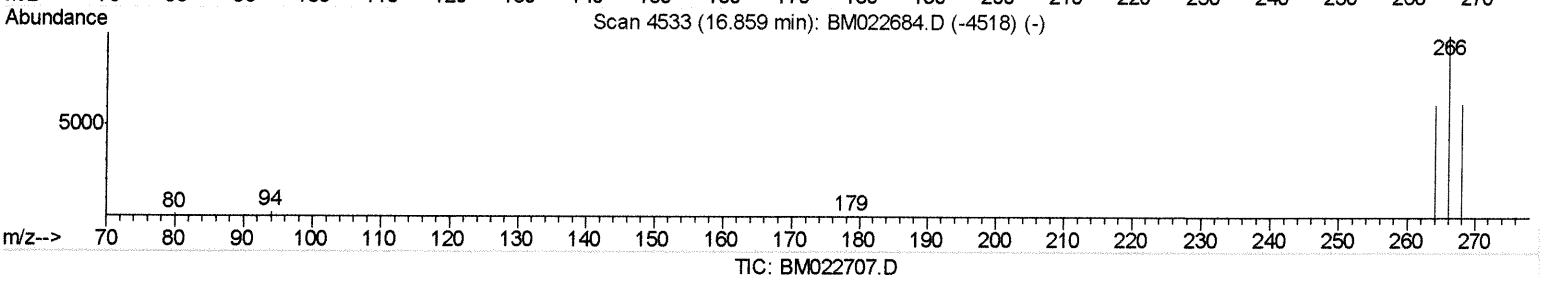






(11) Pentachlorophenol

17.228min (+0.362) 0.00ng/ul

response 15

Ion	Exp%	Act%
266.00	100	100
264.00	63.00	0.00#
268.00	64.10	0.00#
0.00	0.00	0.00

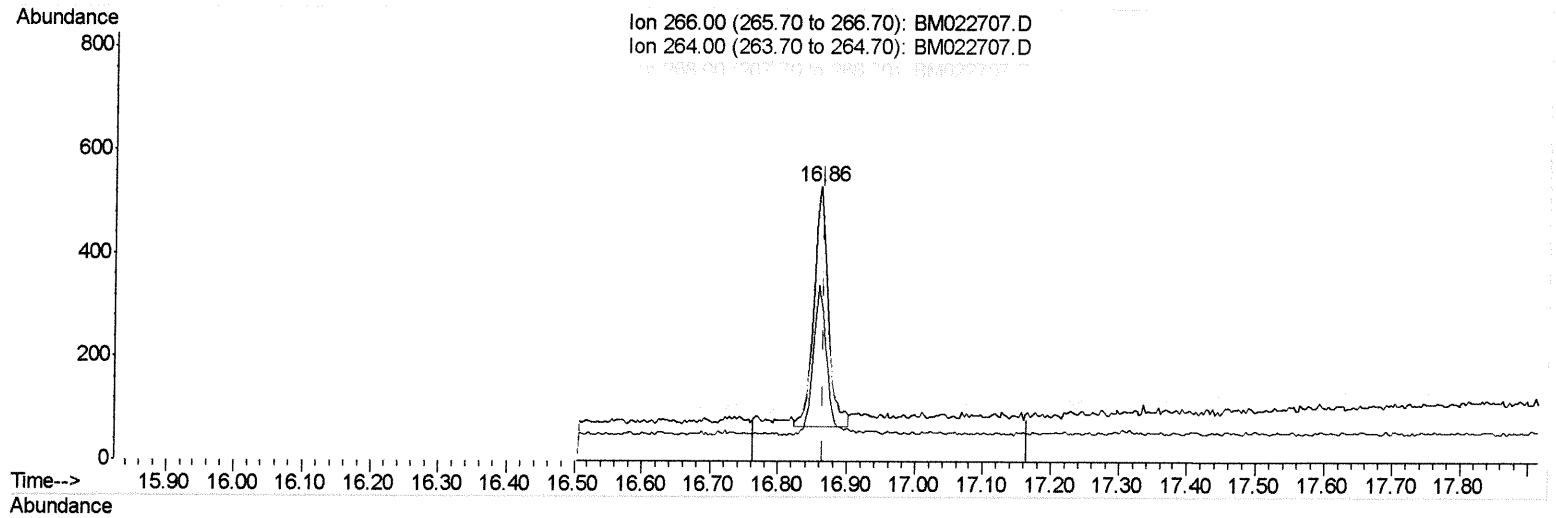
Quantitation Report (Qedit)

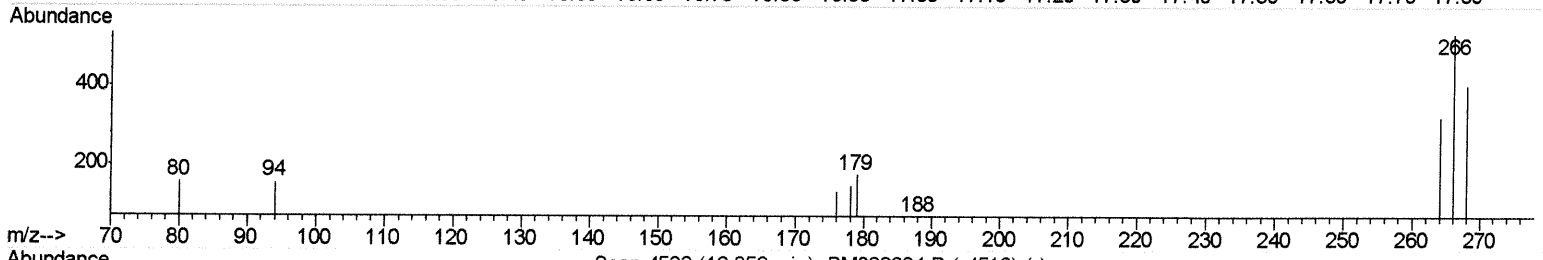
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

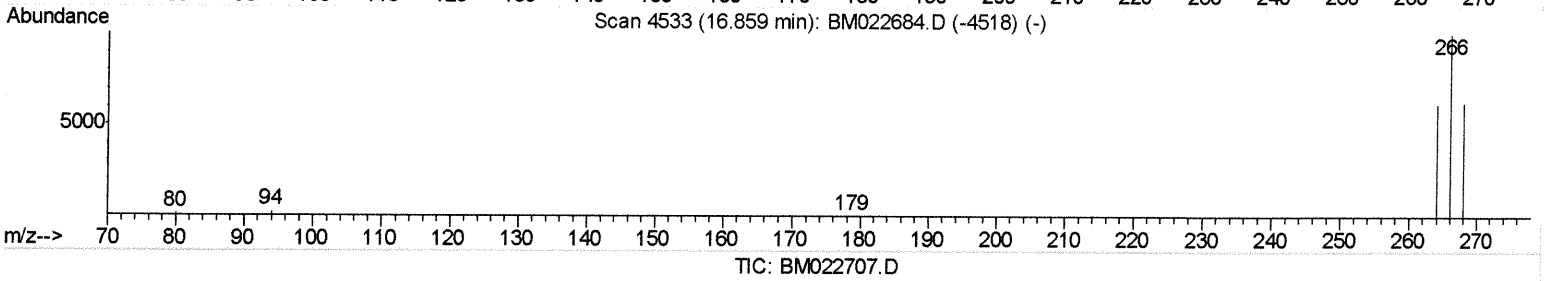
Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM







TIC: BM022707.D

(11) Pentachlorophenol

16.860min (-0.005) 0.06ng/ul m JH 09/24/19

response 703

Ion	Exp%	Act%
266.00	100	100
264.00	63.00	0.00#
268.00	64.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
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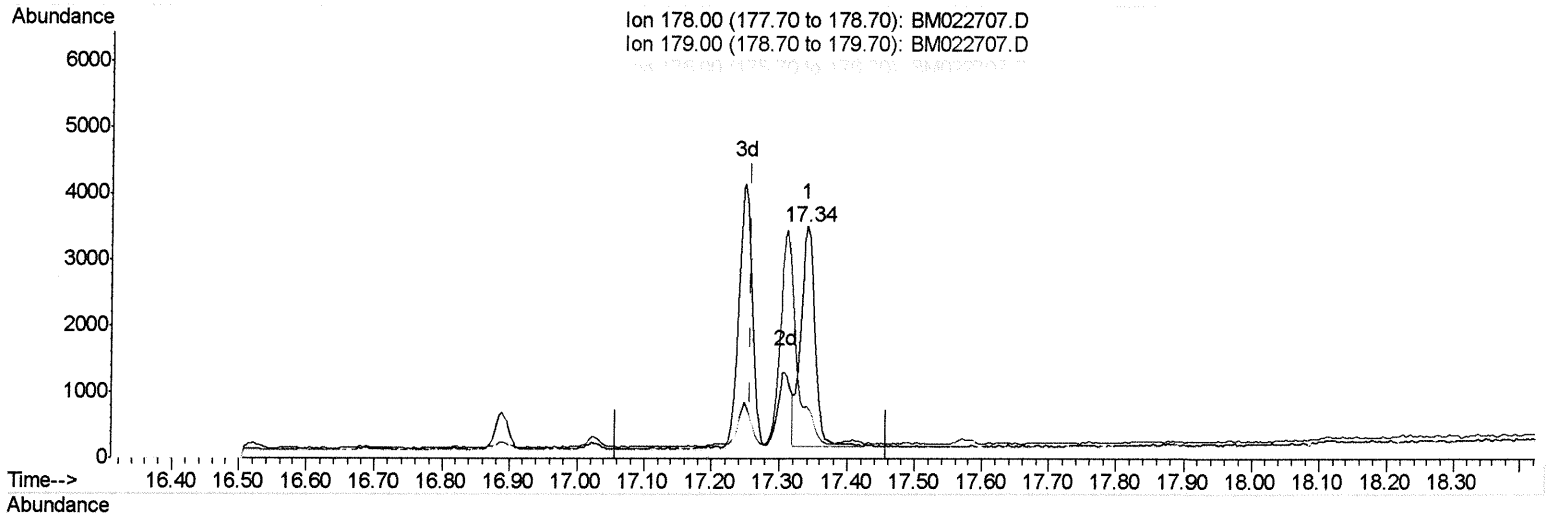
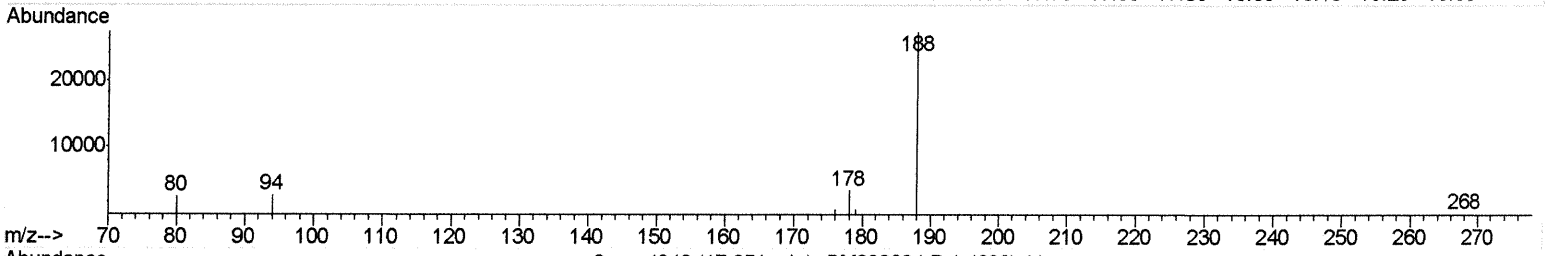
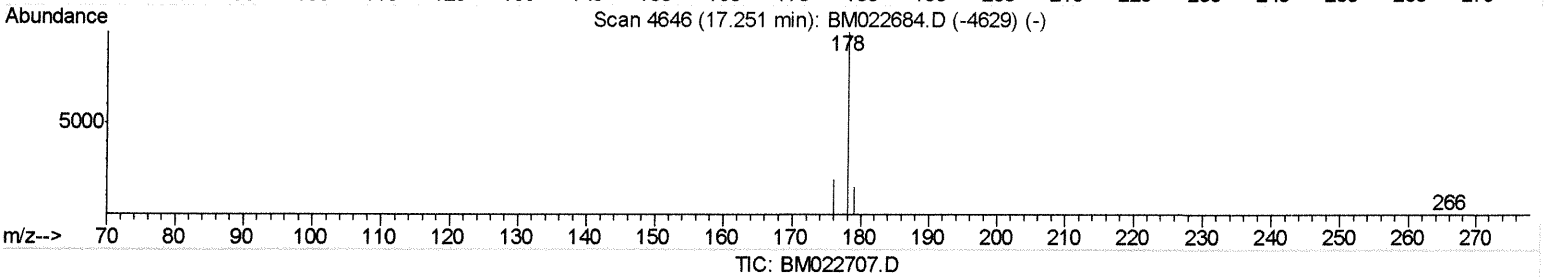






TIC: BM022707.D

(12) Phenanthrene

17.339min (+0.081) 0.03ng/ul

response 4880

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	22.43#
176.00	19.10	21.78
0.00	0.00	0.00

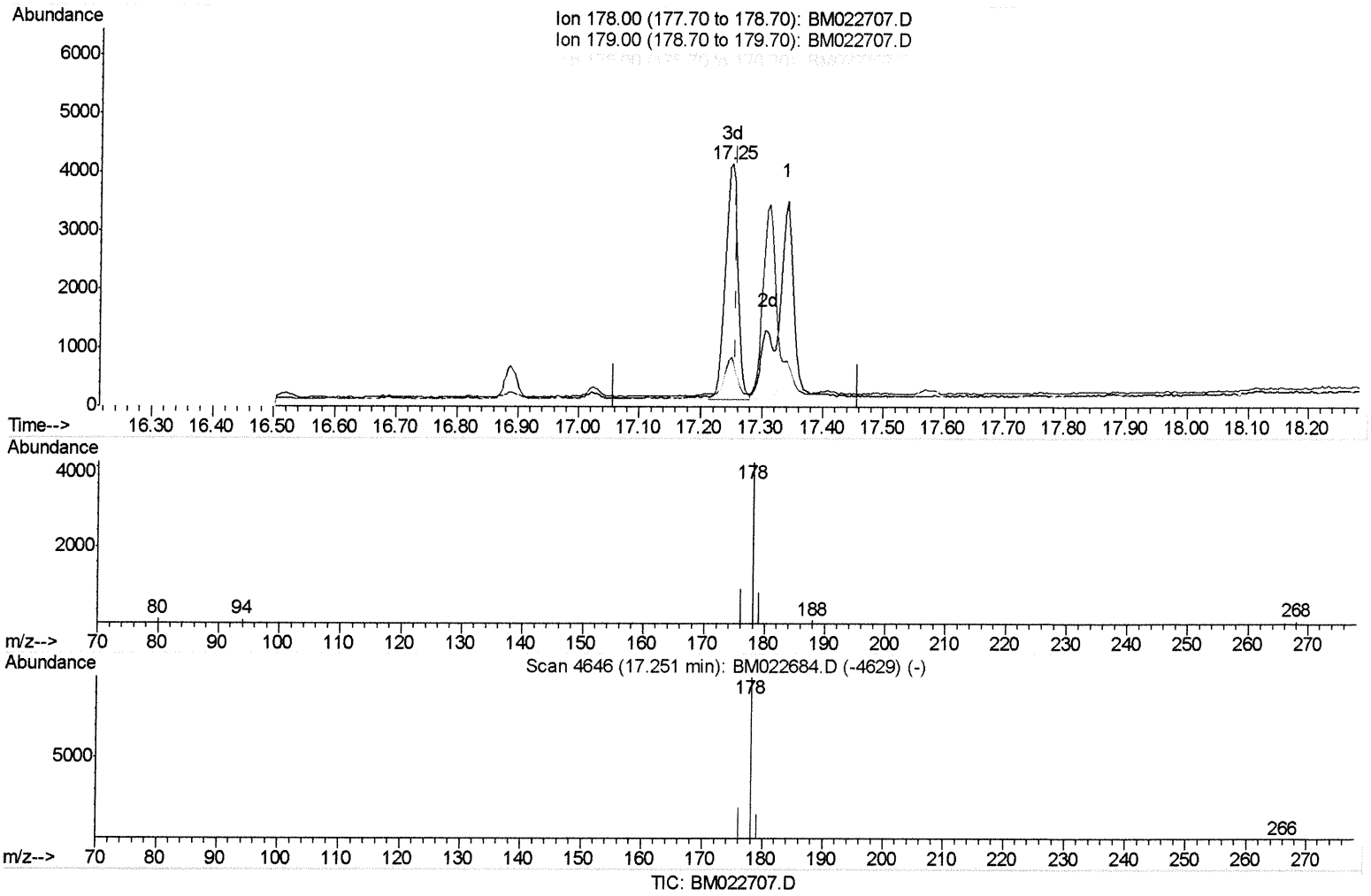
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM



TIC: BM022707.D

(12) Phenanthrene

17.249min (-0.009) 0.03ng/ul m JH 09/24/19

response 5748

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	20.25#
176.00	19.10	22.58
0.00	0.00	0.00

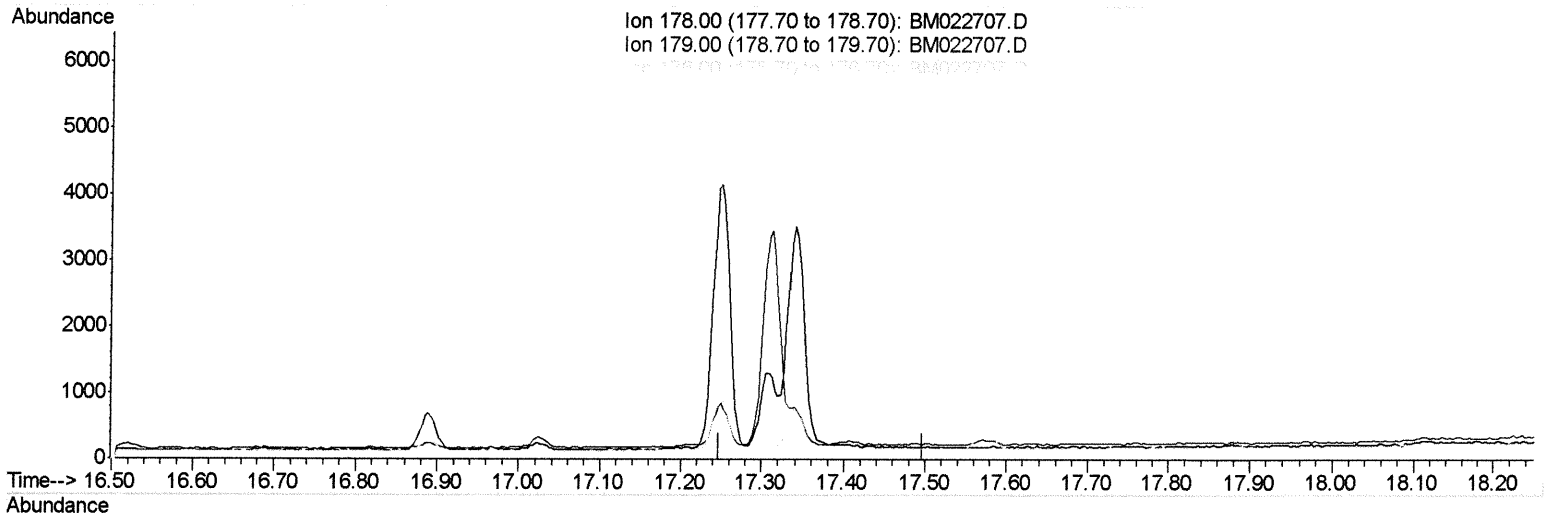
Quantitation Report (Qedit)

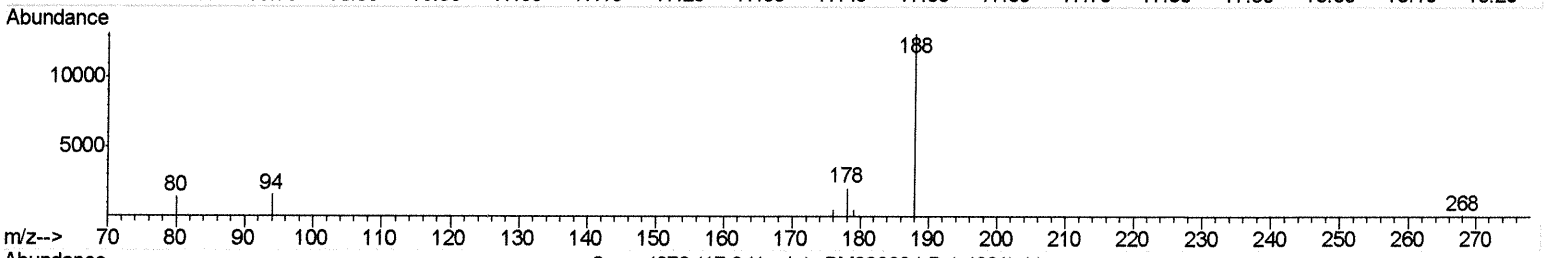
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

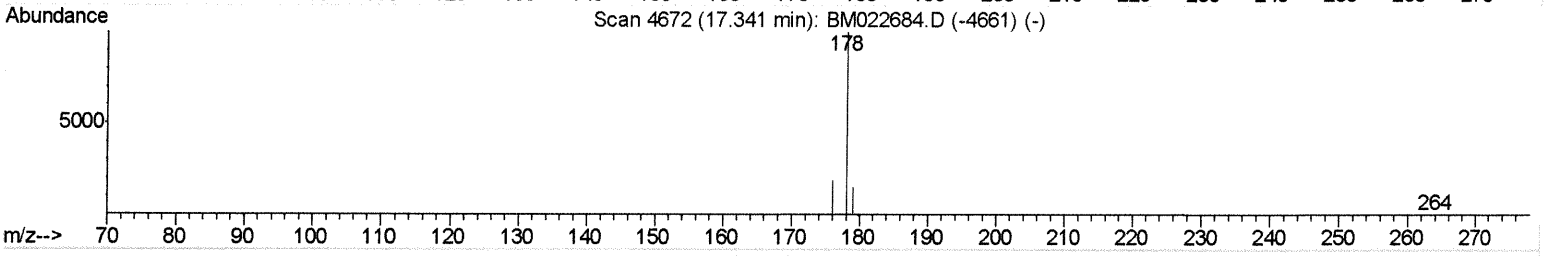
Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM







TIC: BM022707.D

(13) Anthracene

17.348min (-17.348) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	15.60	0.00#
176.00	18.50	0.00#
0.00	0.00	0.00

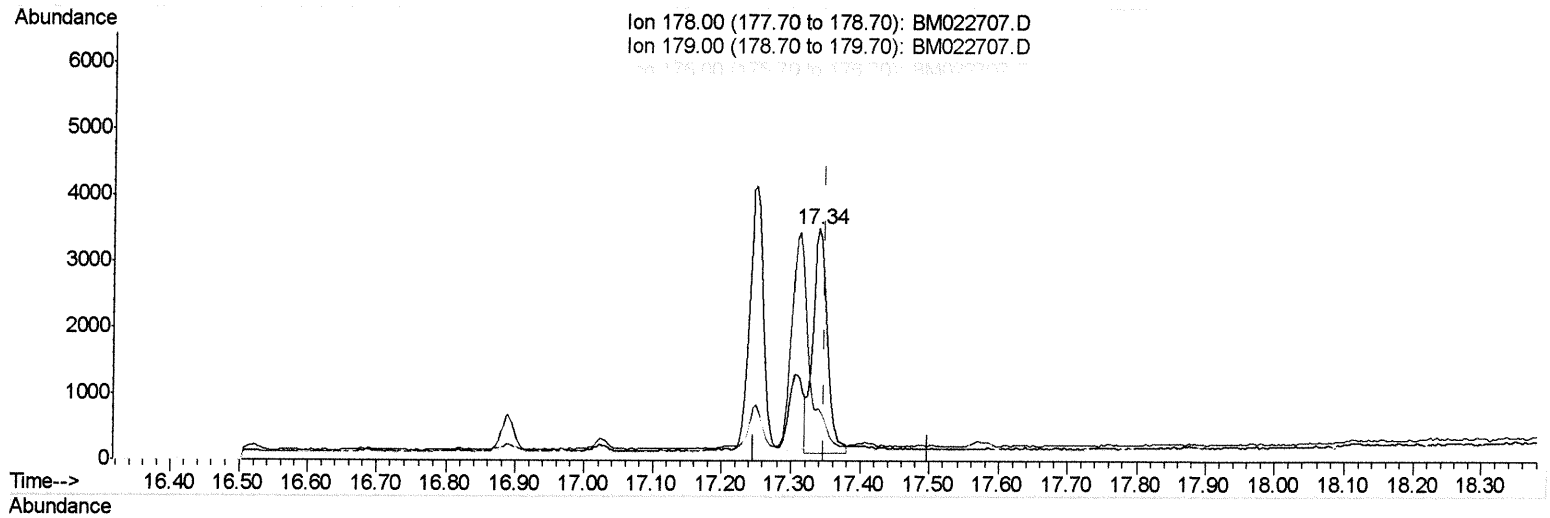
Quantitation Report (Qedit)

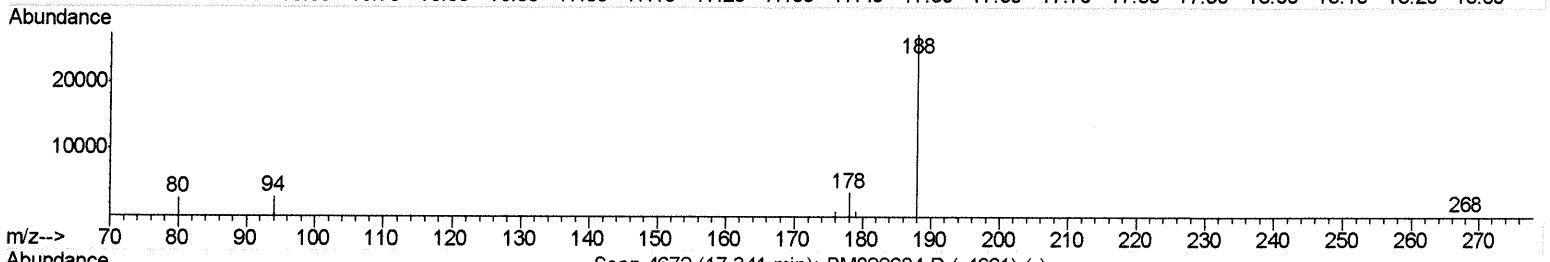
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

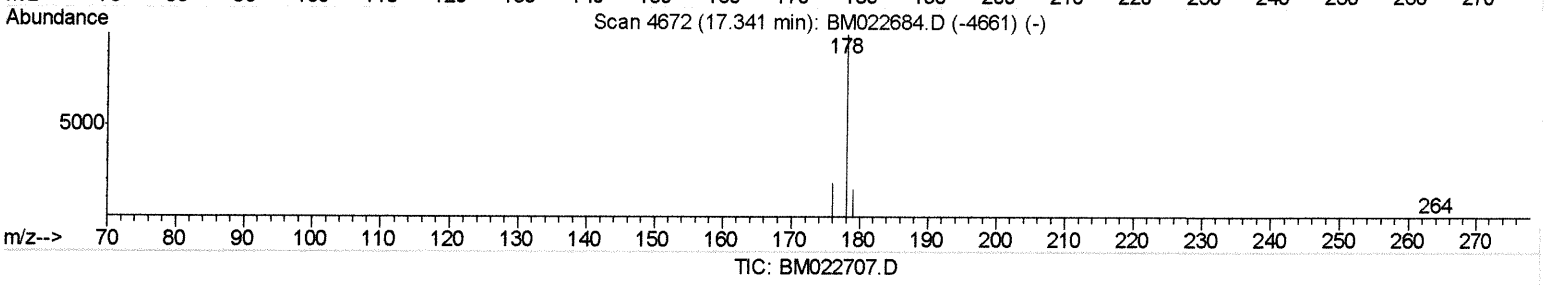
Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM







TIC: BM022707.D

(13) Anthracene

17.339min (-0.009) 0.03ng/ul m JU 09/24/19

response 5081

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	22.43#
176.00	18.50	21.78
0.00	0.00	0.00

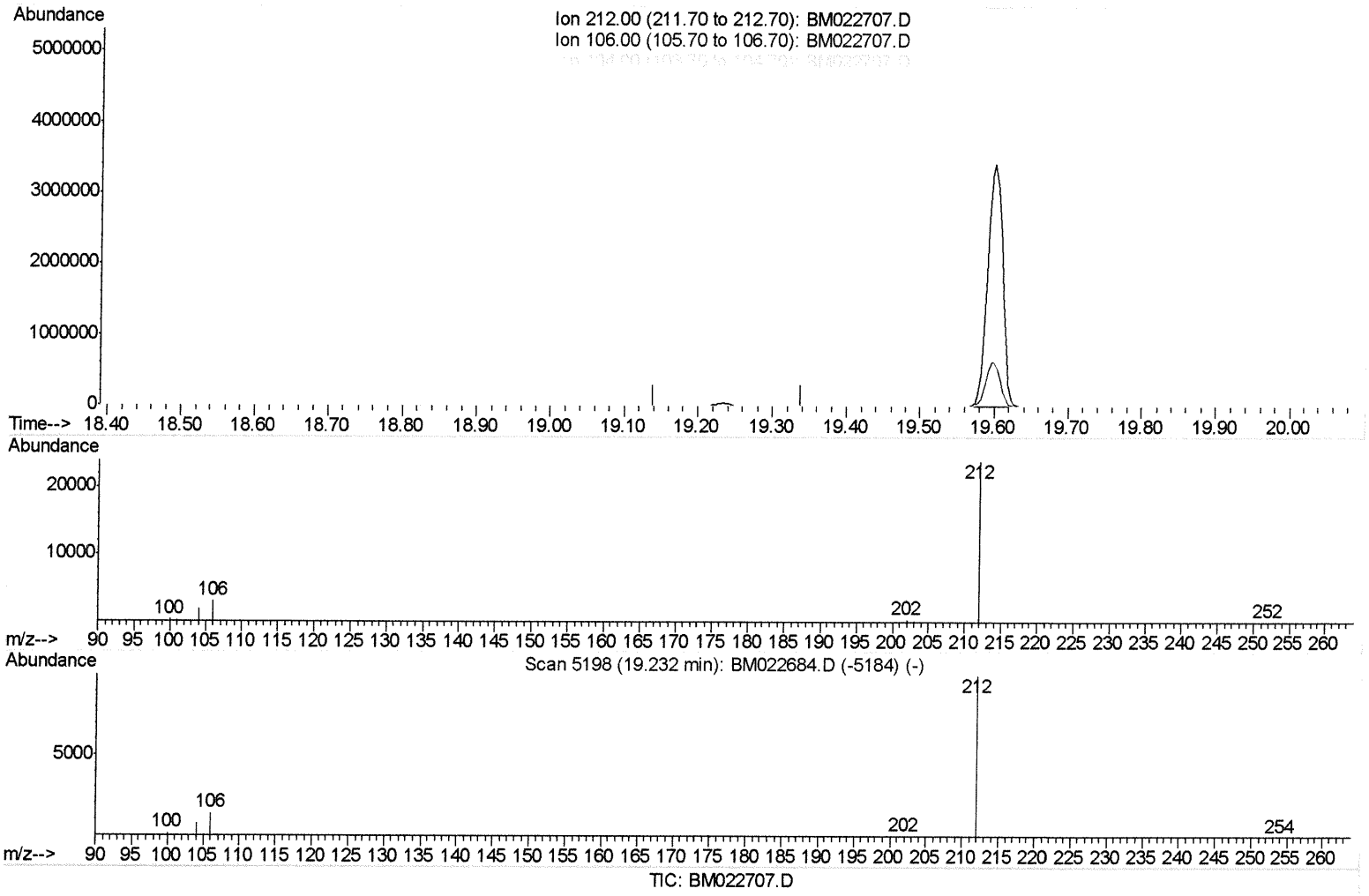
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM



(14) Fluoranthene-d10 (SURR)

19.240min (-19.240) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

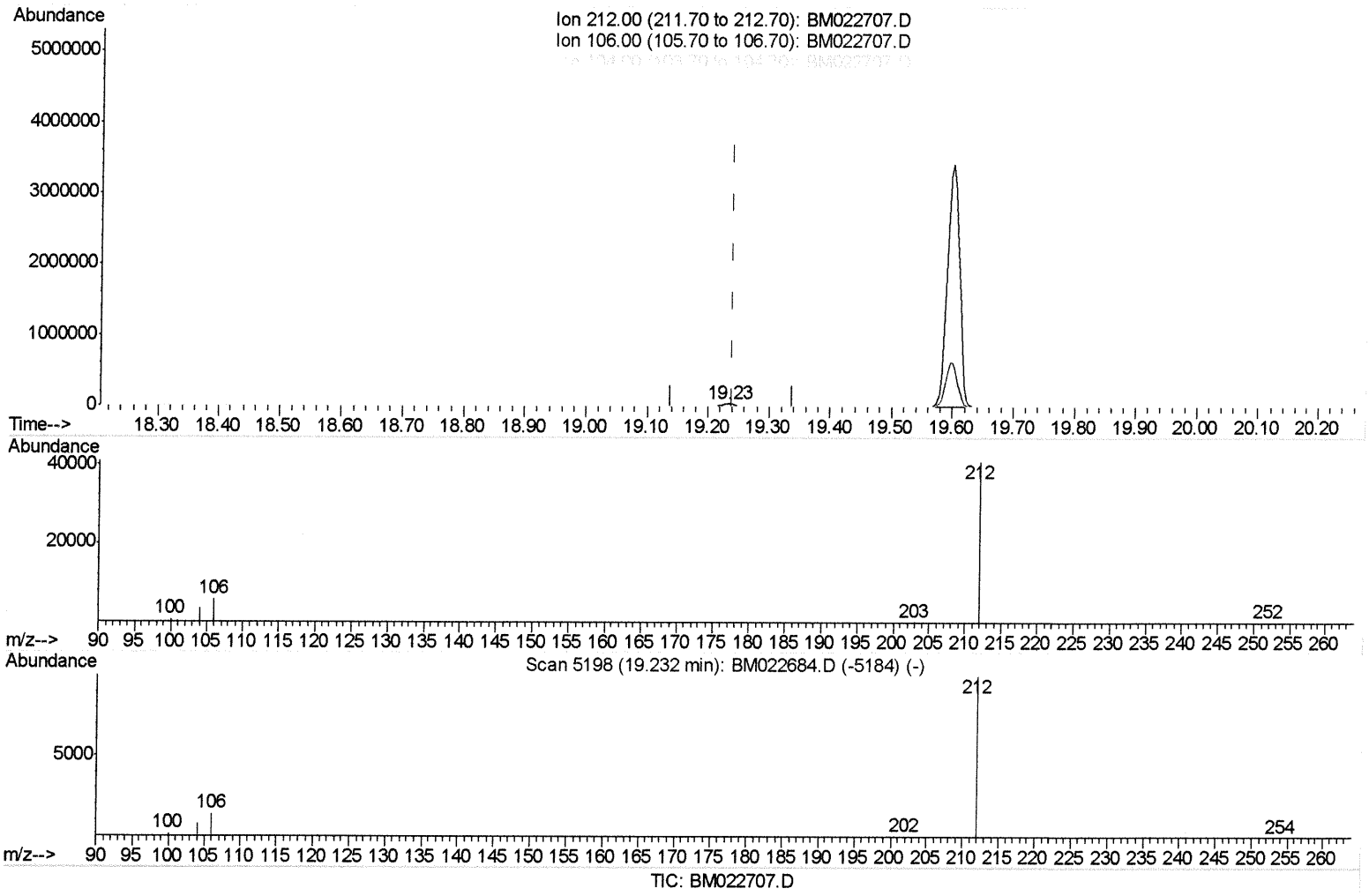
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM



(14) Fluoranthene-d10 (SURR)

19.234min (-0.006) 0.35ng/ul m JU 09/24/19

response 53603

Ion	Exp%	Act%
212.00	100	100
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

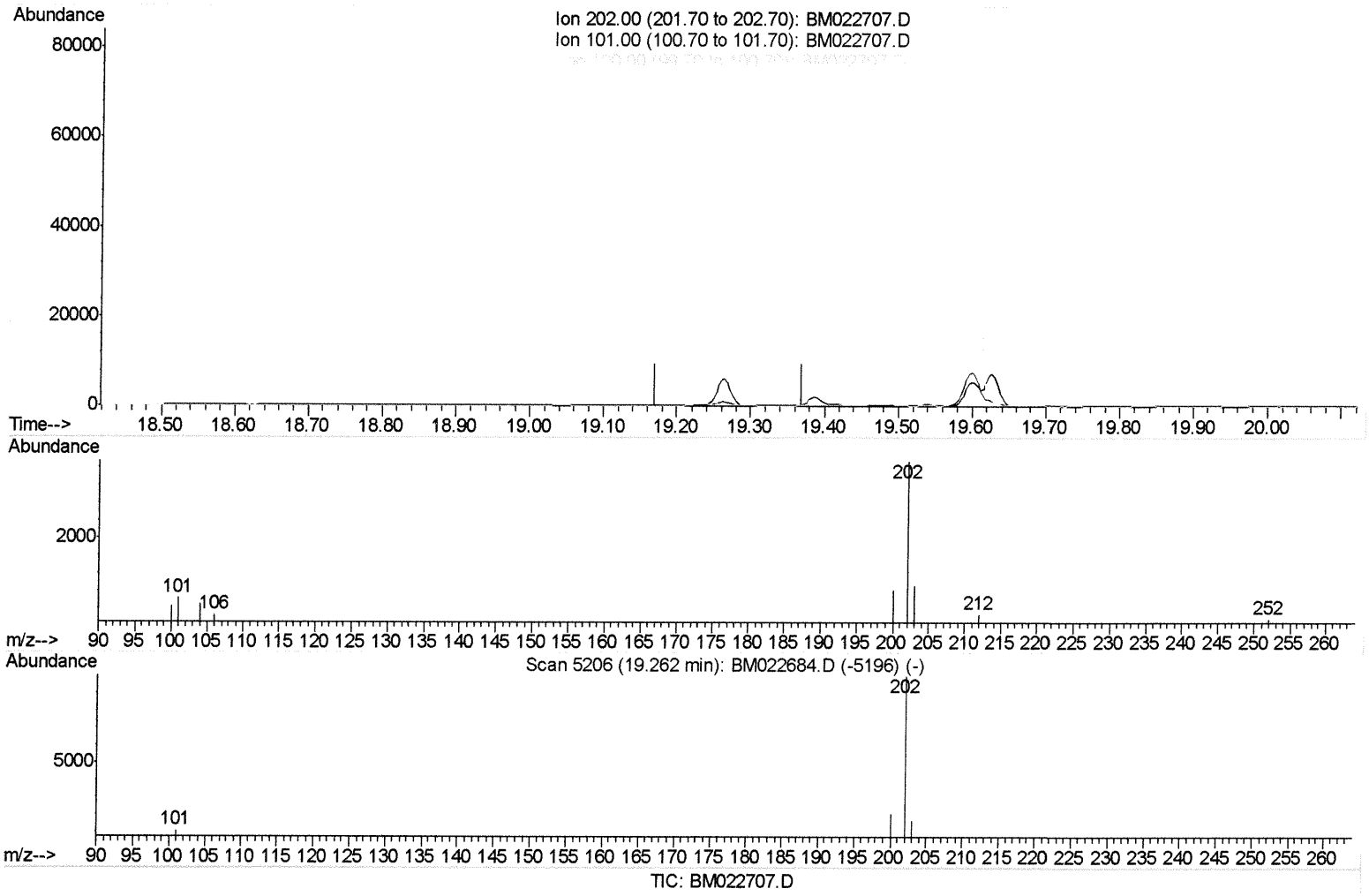
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM



(15) Fluoranthene (C)

19.270min (-19.270) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.50	0.00
100.00	8.00	0.00
0.00	0.00	0.00

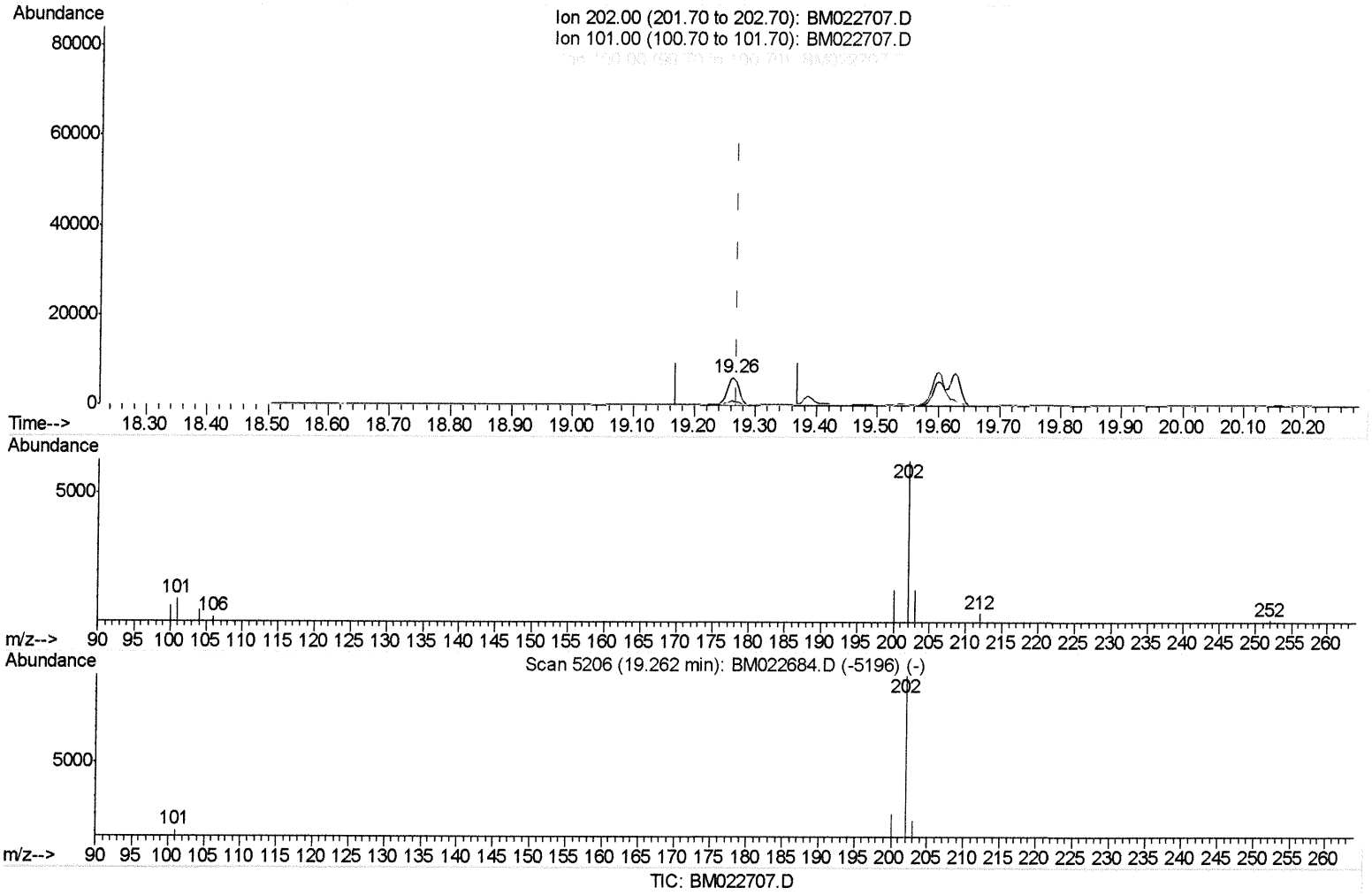
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM



(15) Fluoranthene (C)

19.264min (-0.006) 0.04ng/ul m JU 09/24/19

response 8411

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	15.36
100.00	8.00	10.97
0.00	0.00	0.00

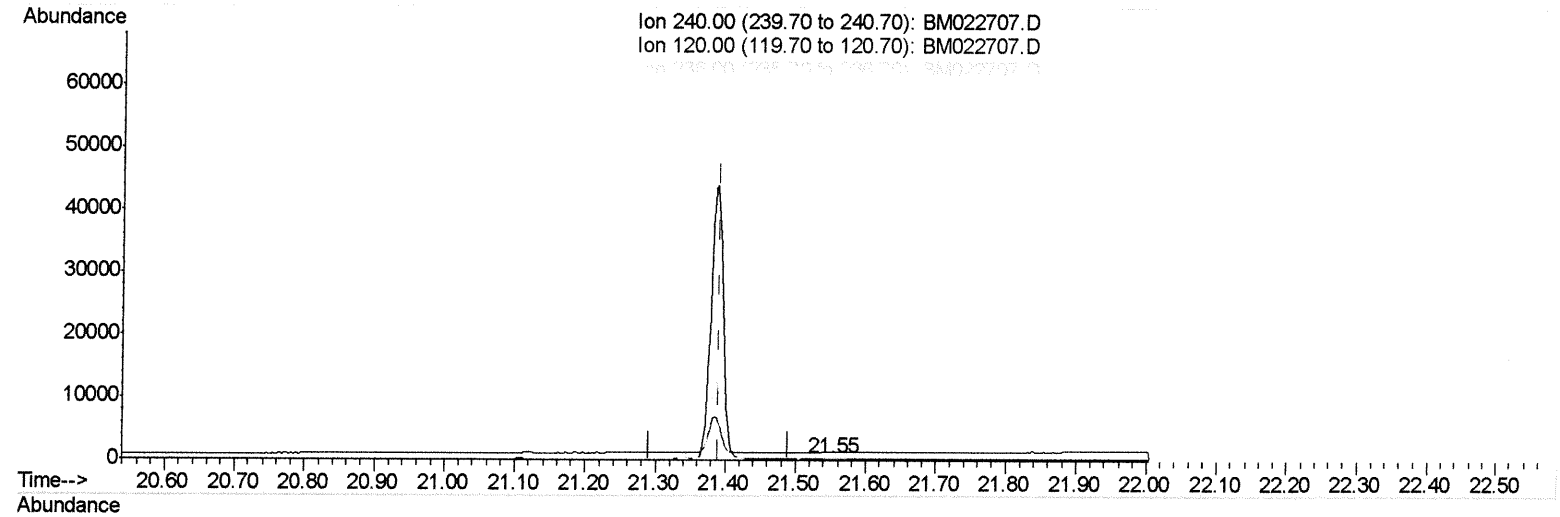
Quantitation Report (Qedit)

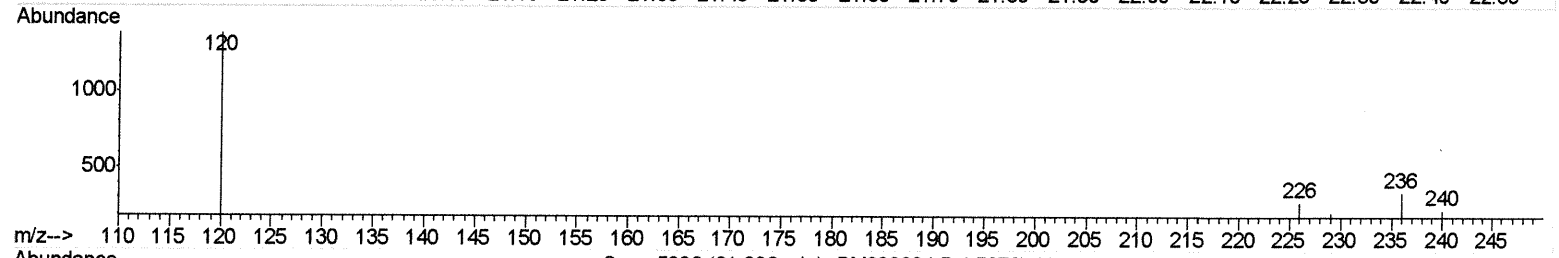
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

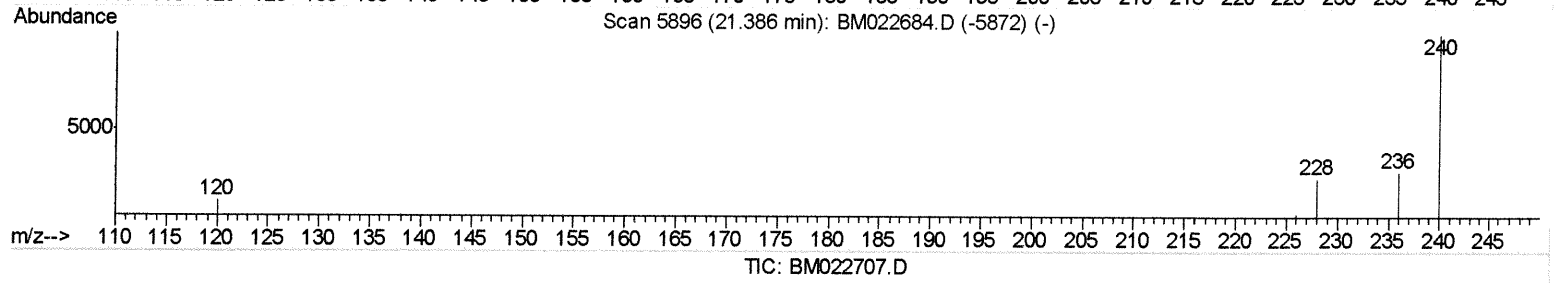
Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM







TIC: BM022707.D

(16) Chrysene-d12 (I)

21.551min (+0.160) 0.40ng/ul

response 76

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	599.57#
236.00	28.80	150.22#
0.00	0.00	0.00

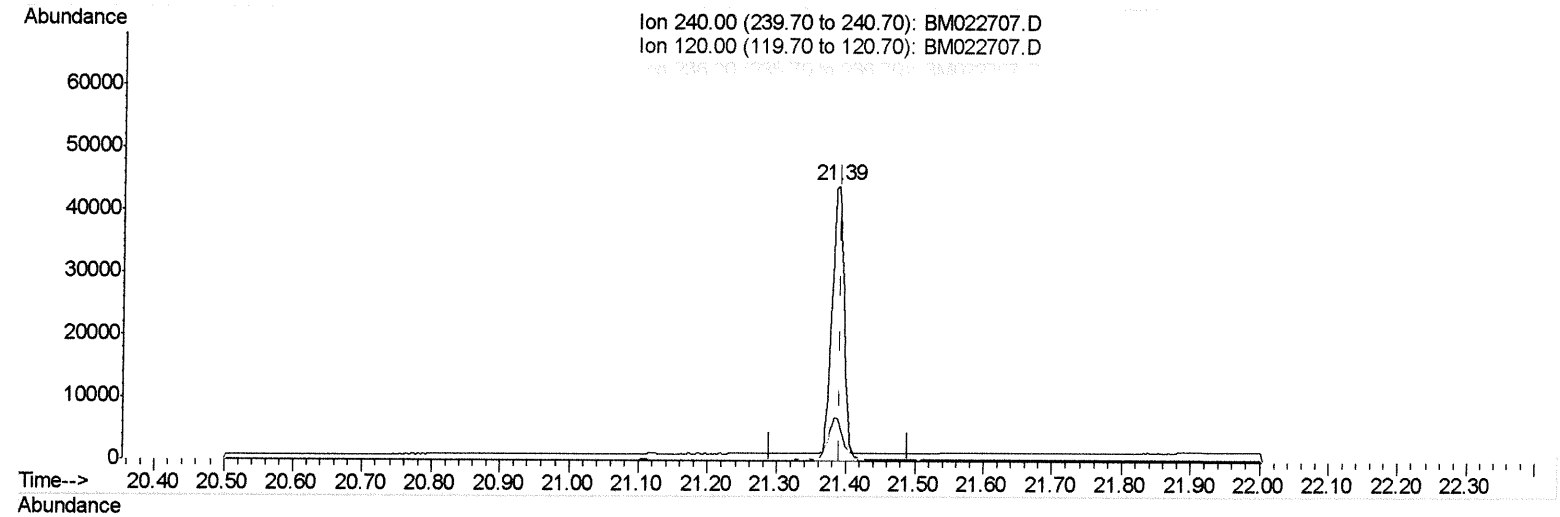
Quantitation Report (Qedit)

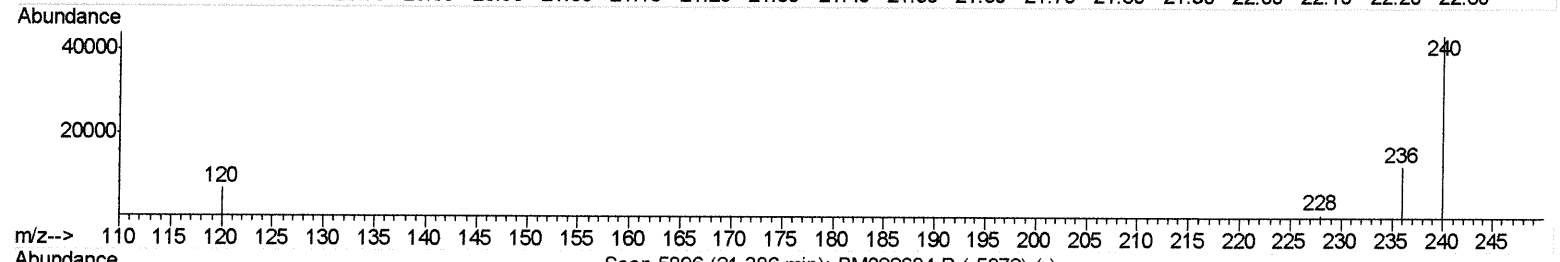
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

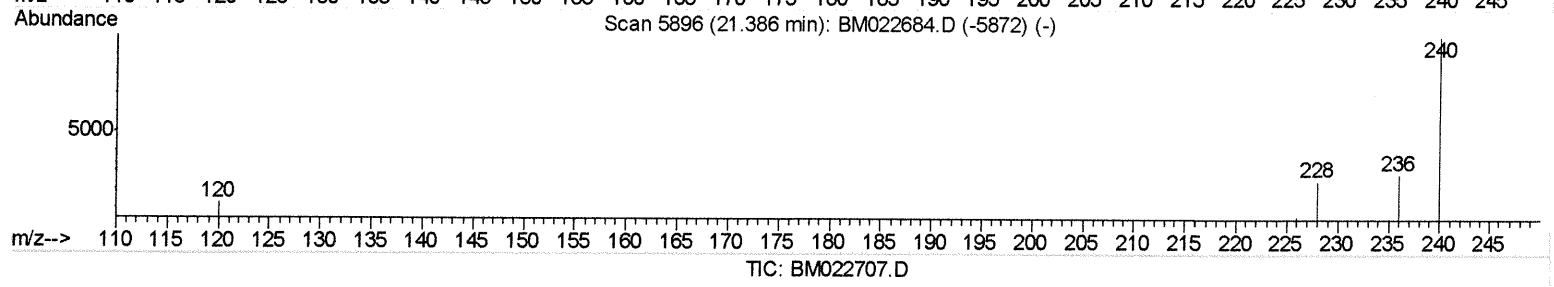
Quant Time: Sep 17 18:28:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM







TIC: BM022707.D

(16) Chrysene-d12 (I)

21.386min (-0.005) 0.40ng/ul m 9/24/19

response 53944

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	15.54
236.00	28.80	28.67
0.00	0.00	0.00

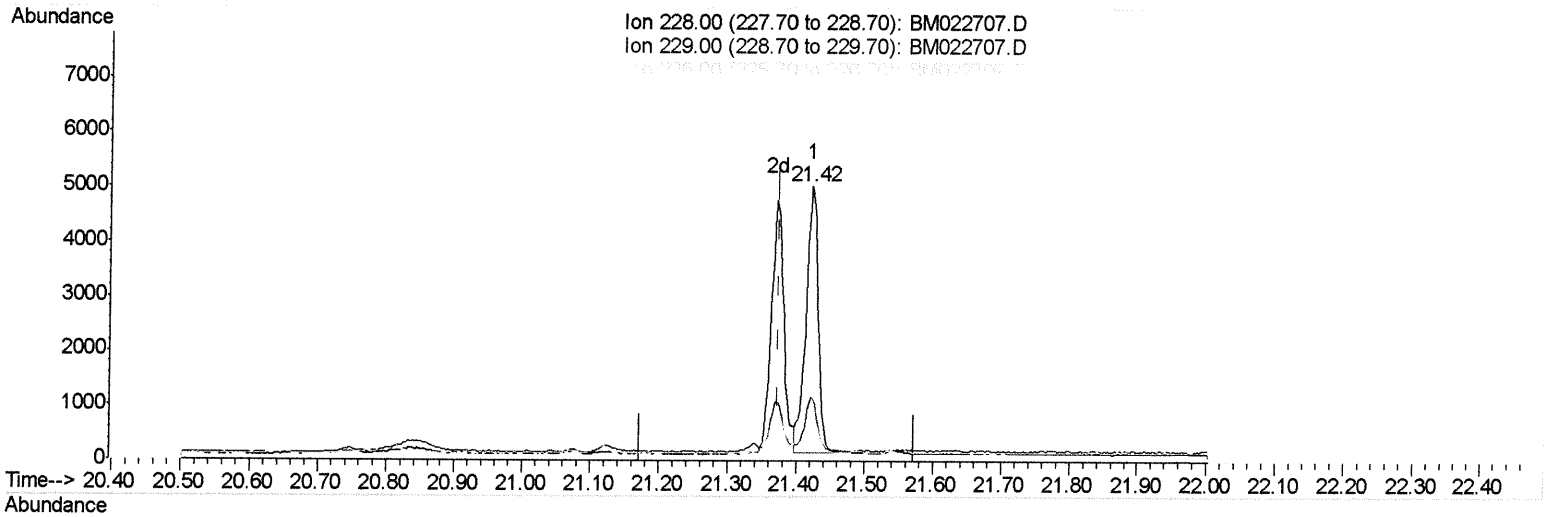
Quantitation Report (Qedit)

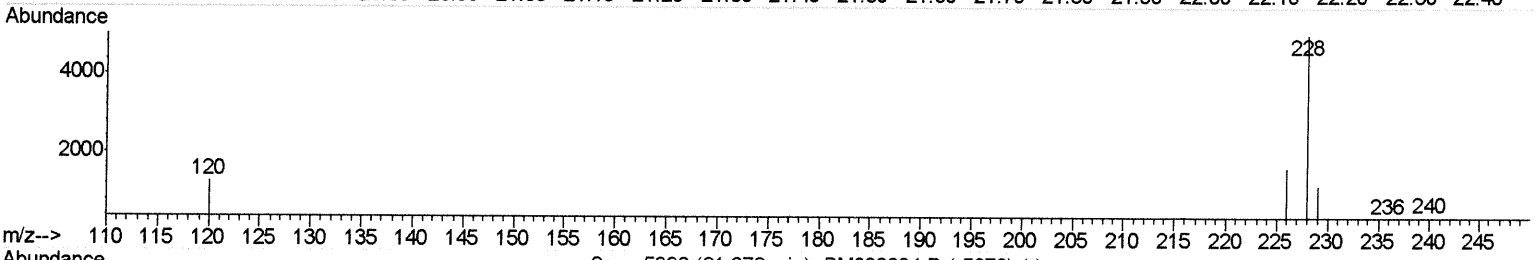
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

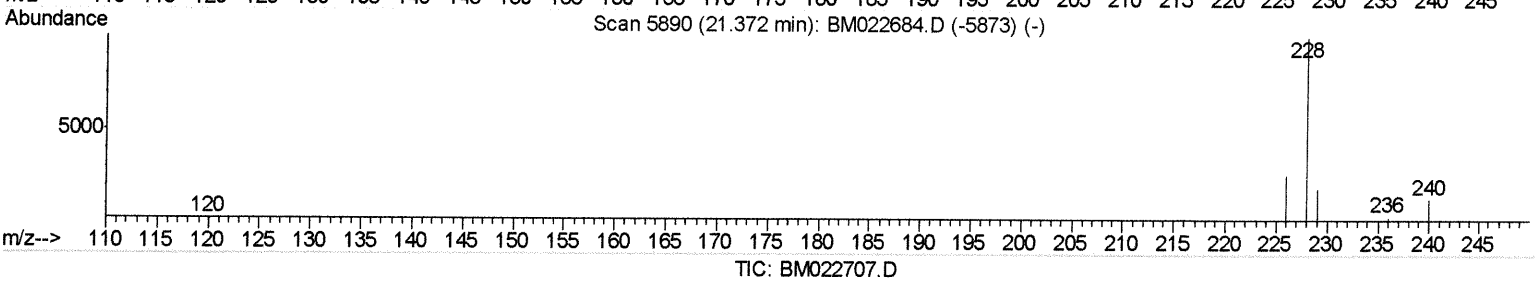
Quant Time: Sep 17 18:31:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM







TIC: BM022707.D

(18) Benzo(a)anthracene

21.420min (+0.046) 0.03ng/ul

response 6223

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	23.29
226.00	27.50	32.17
0.00	0.00	0.00

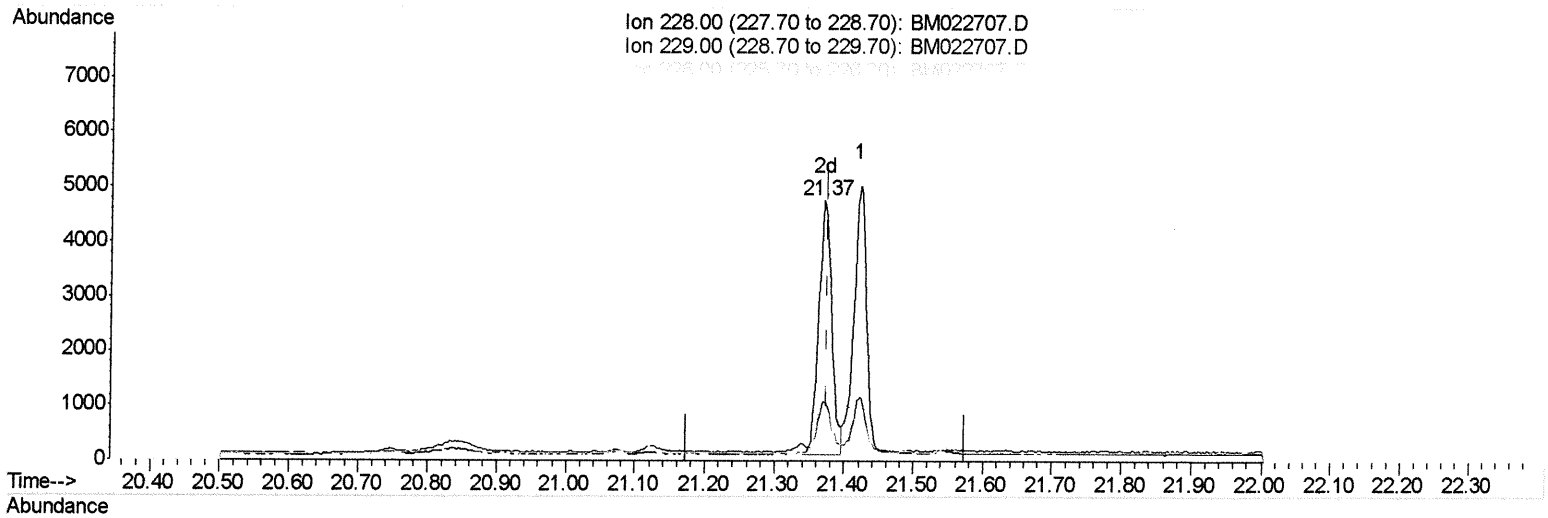
Quantitation Report (Qedit)

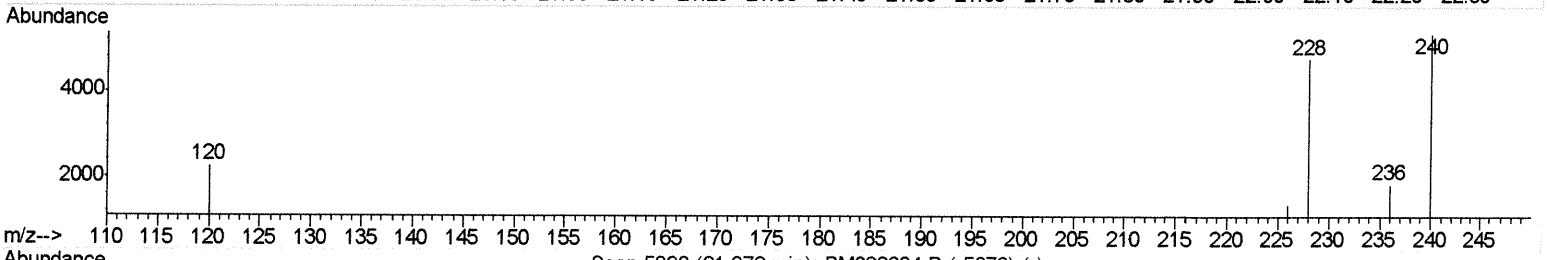
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

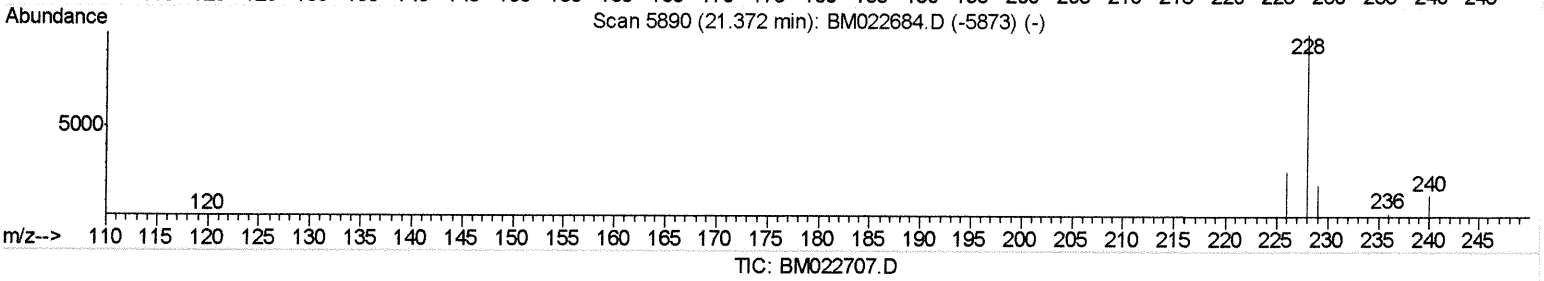
Quant Time: Sep 17 18:31:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM







TIC: BM022707.D

(18) Benzo(a)anthracene

21.370min (-0.005) 0.03ng/ul m JL 09/24/19

response 5945

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	22.90
226.00	27.50	28.67
0.00	0.00	0.00

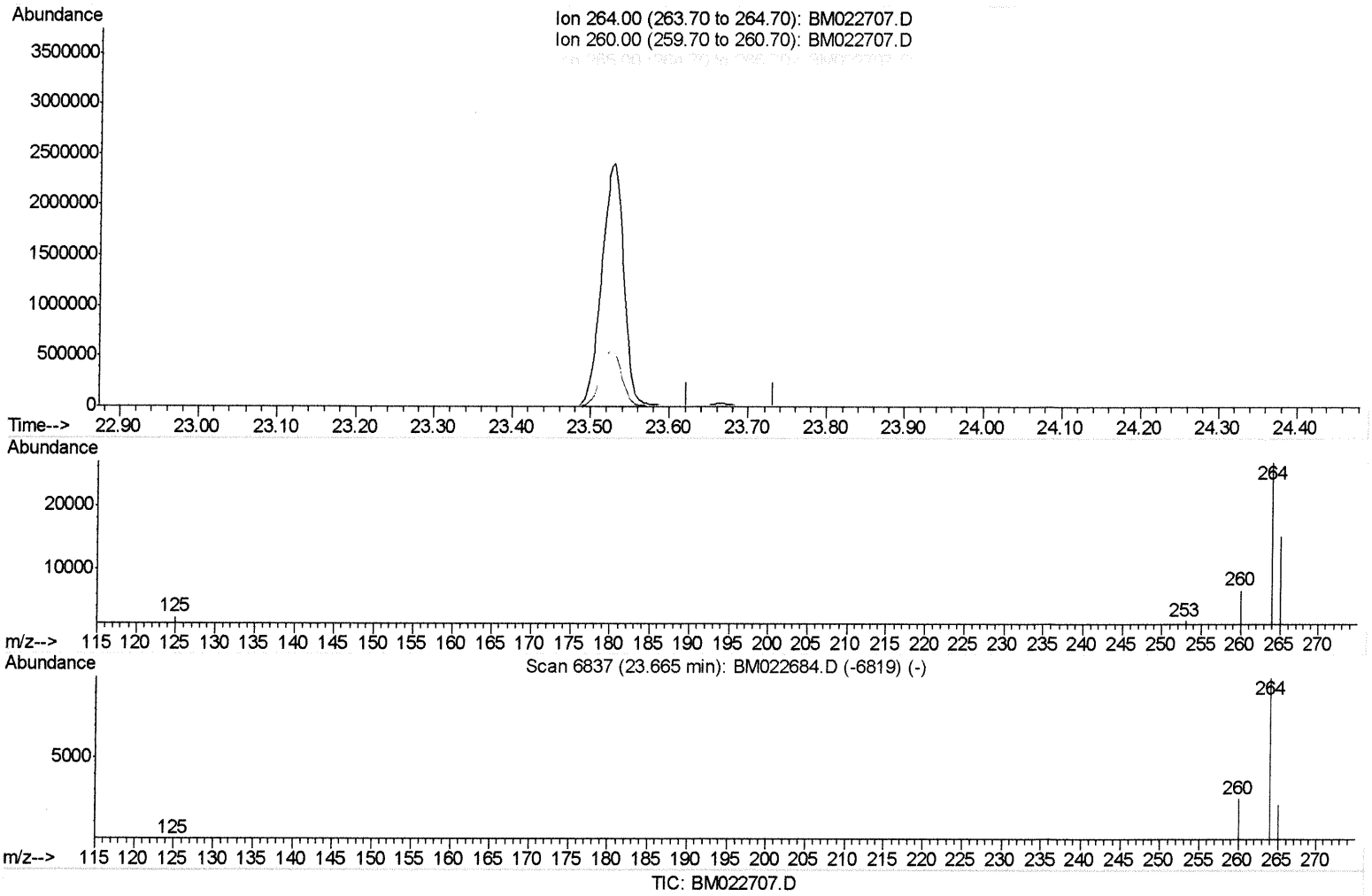
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:31:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM



TIC: BM022707.D

(20) Perylene-d12 (I)

23.673min (-23.673) 0.00ng/ul

response 0

Ion	Exp%	Act%
264.00	100	0.00
260.00	25.60	0.00#
265.00	59.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:31:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
H0BN4

Manual Integrations APPROVED
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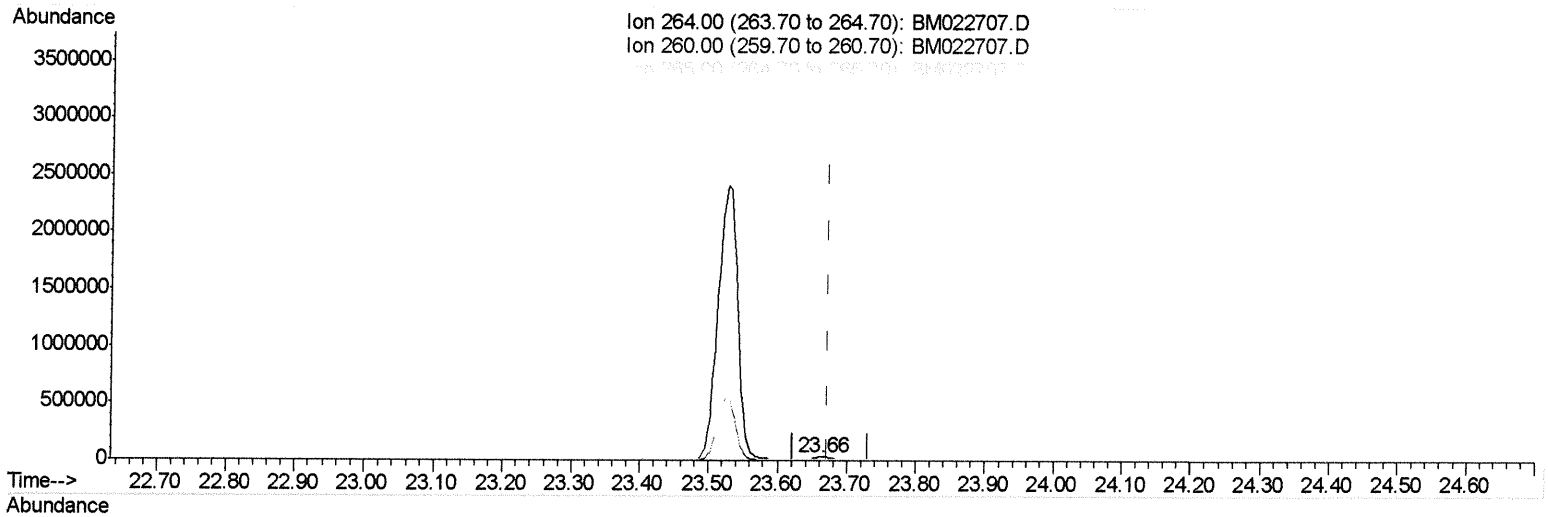
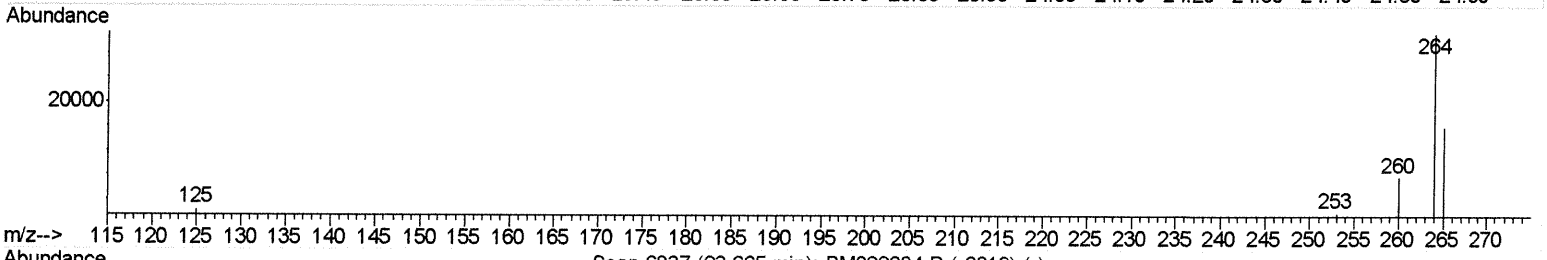
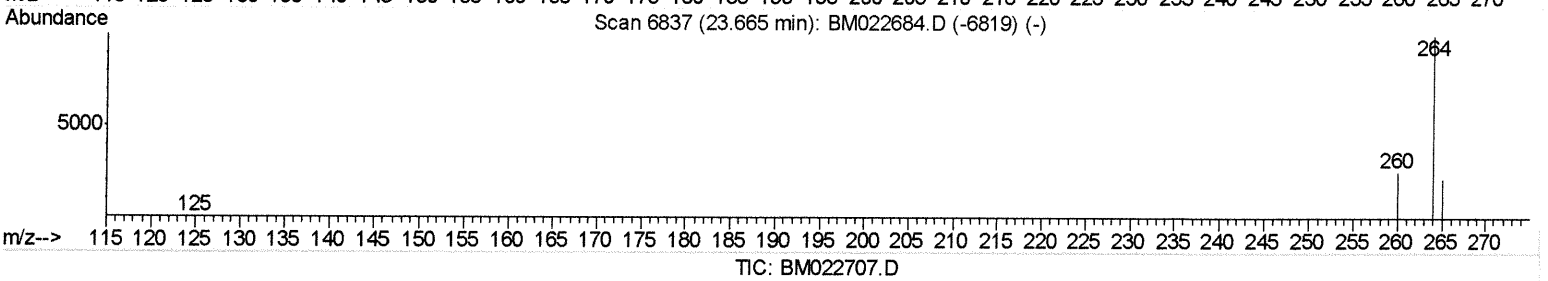
9/19/2019 4:44:36 PM







(20) Perylene-d12 (I)

23.663min (-0.010) 0.40ng/ul m JU 09/24/19

response 46644

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	24.76
265.00	59.90	51.31
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091719\
Data File : BM022707.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4780-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 18:32:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : H0BN4

Manual Integrations APPROVED
mohammad
9/19/2019 4:44:36 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	10181	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	43030	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.47	164	27706	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	56160m	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	53944m	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	46644m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	18951	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.23	212	53603m	0.35	ng/ul	0.00
Target Compounds						Qvalue
11) Pentachlorophenol	16.86	266	703m	0.062	ng/ul	
12) Phenanthrene	17.25	178	5748m	0.032	ng/ul	
13) Anthracene	17.34	178	5081m	0.033	ng/ul	
15) Fluoranthene	19.26	202	8411m	0.044	ng/ul	
17) Pyrene	19.63	202	8915	0.036	ng/ul#	84
18) Benzo(a)anthracene	21.37	228	5945m	0.029	ng/ul	
19) Chrysene	21.42	228	6210	0.029	ng/ul#	94
21) Benzo(b)fluoranthene	22.98	252	8188	0.040	ng/ul#	1
22) Benzo(k)fluoranthene	23.02	252	5452	0.026	ng/ul#	8
23) Benzo(a)pyrene	23.57	252	5549	0.031	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.98	276	5449	0.025	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.99	278	3702	0.021	ng/ul#	42
26) Benzo(g,h,i)perylene	26.68	276	4572	0.027	ng/ul#	74

JU 09/24/19

JU 09/24/19

JU 09/24/19

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