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

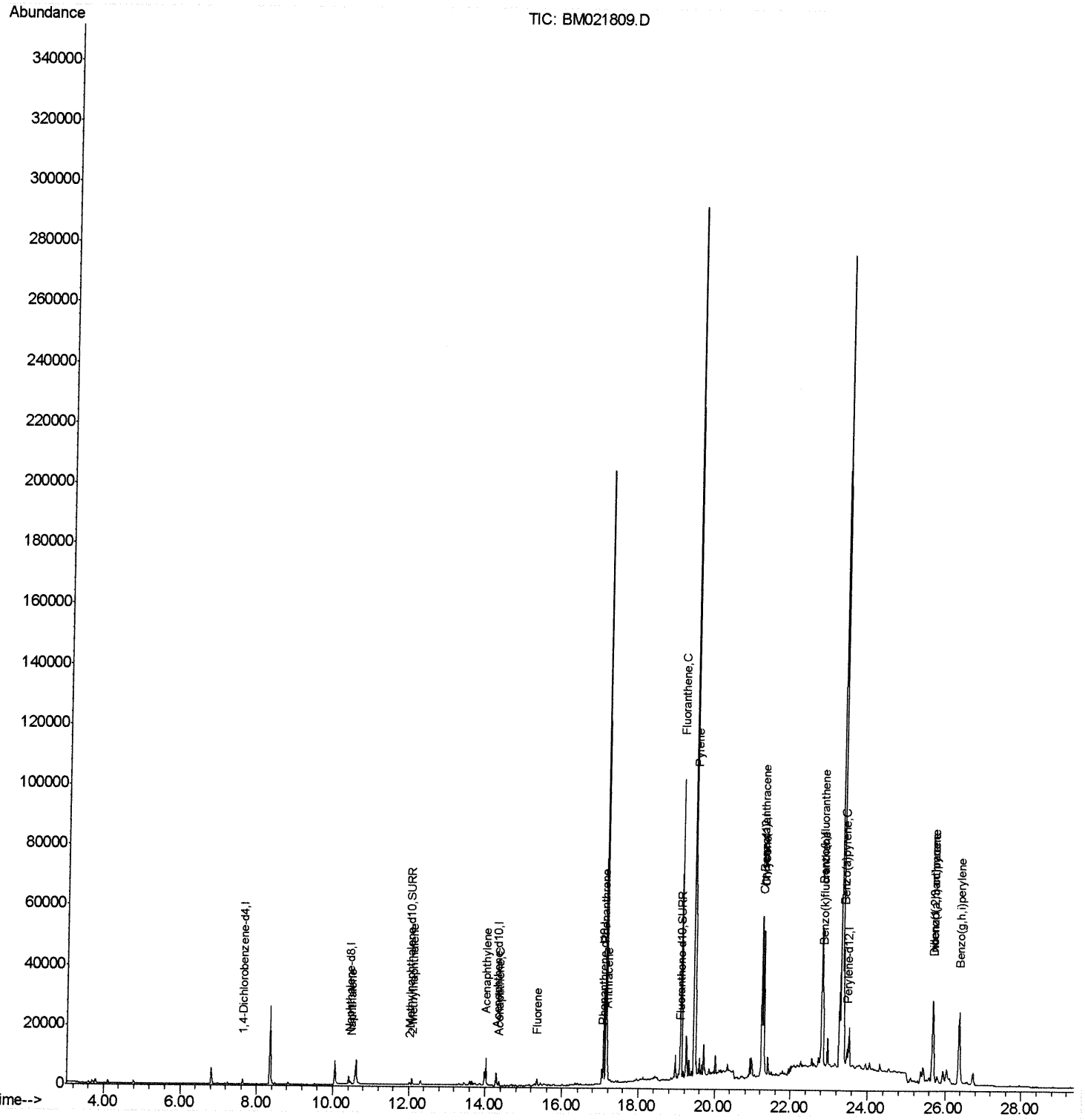
Quantitation Report (QT Reviewed)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:02:59 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



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

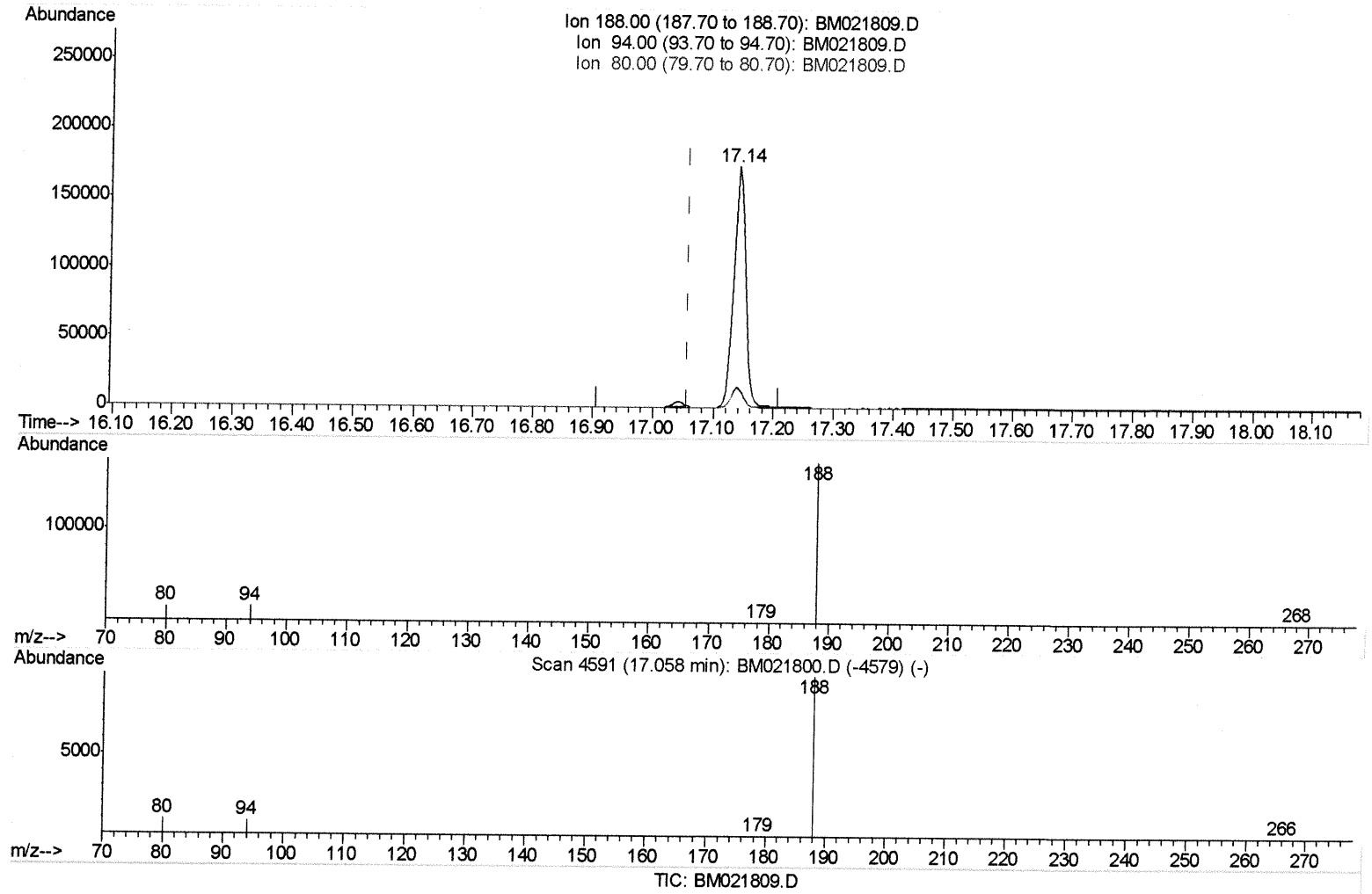
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 05:30:06 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



(10) Phenanthrene-d10 (I)

17.140min (+0.081) 0.40ng/ul

response 239835

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.73
80.00	11.40	8.27#
0.00	0.00	0.00

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

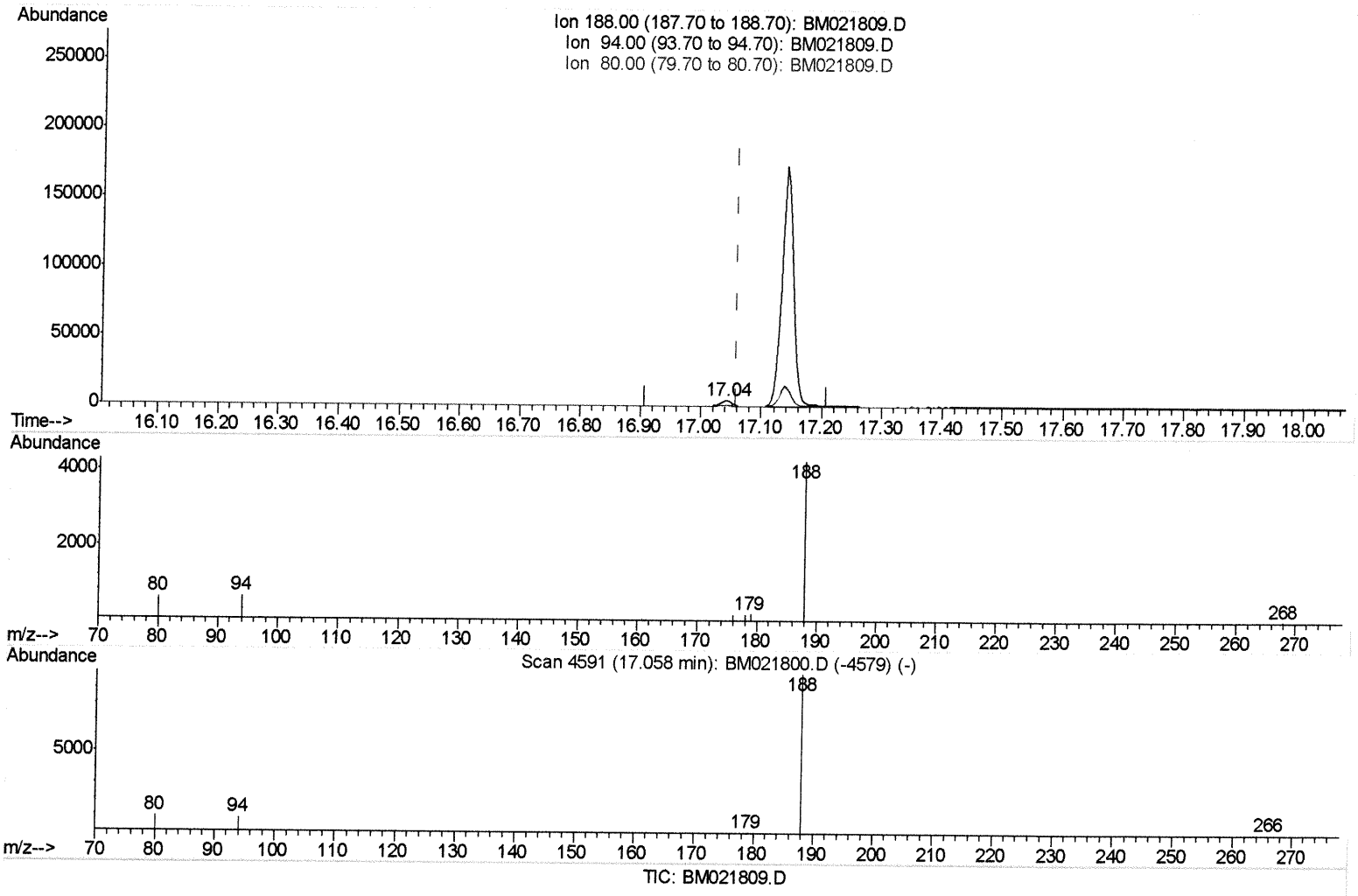
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 05:30:06 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(10) Phenanthrene-d10 (I)

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

response 6247

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	14.91#
80.00	11.40	14.14#
0.00	0.00	0.00

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

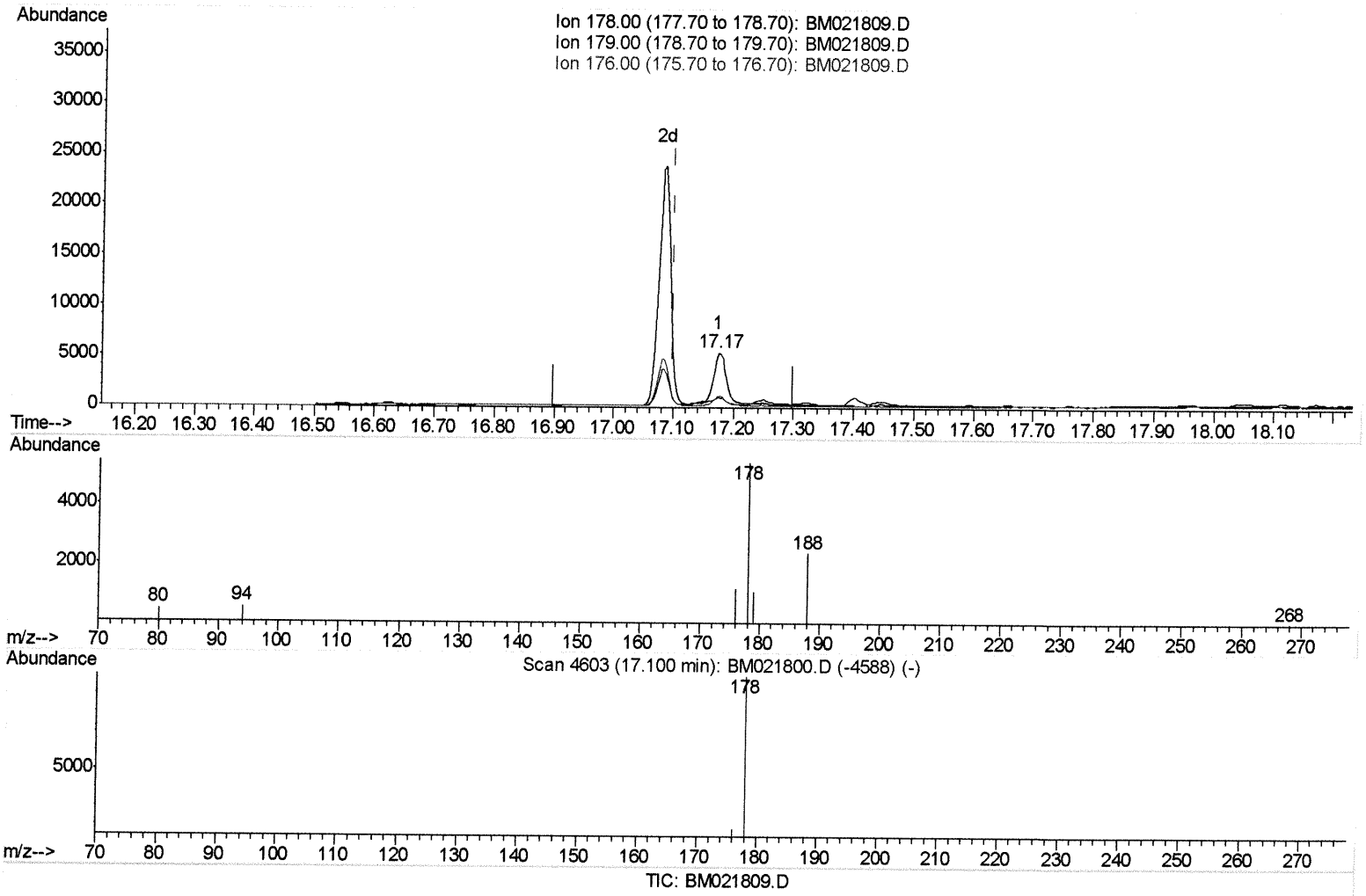
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:00:27 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(12) Phenanthrene

17.174min (+0.074) 0.42ng/ul

response 7558

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	19.75
176.00	21.00	22.28
0.00	0.00	0.00

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

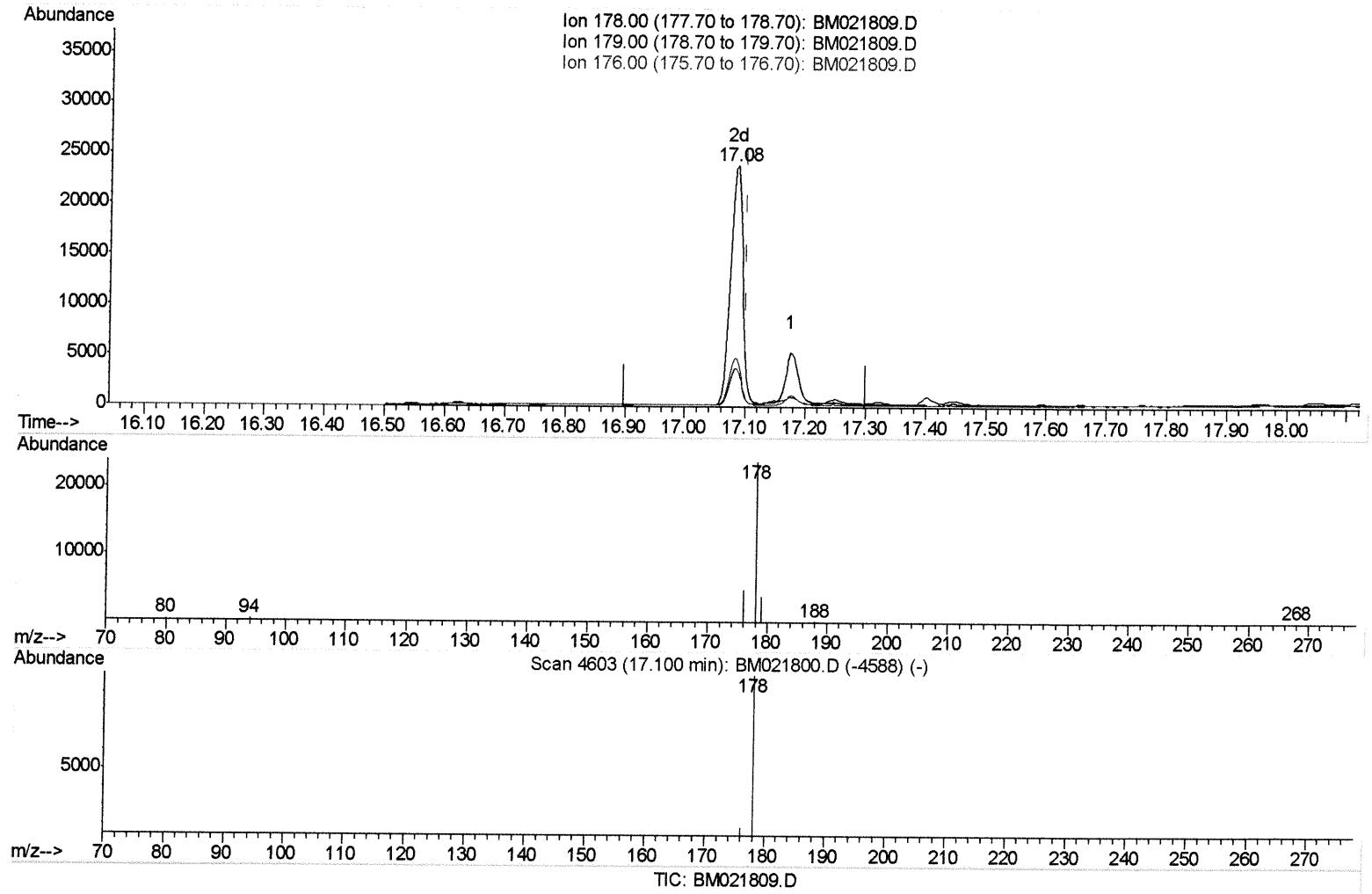
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:00:27 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(12) Phenanthrene

17.084min (-0.016) 1.83ng/ul m JU 08/05/19

response 33225

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	16.12
176.00	21.00	19.99
0.00	0.00	0.00

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

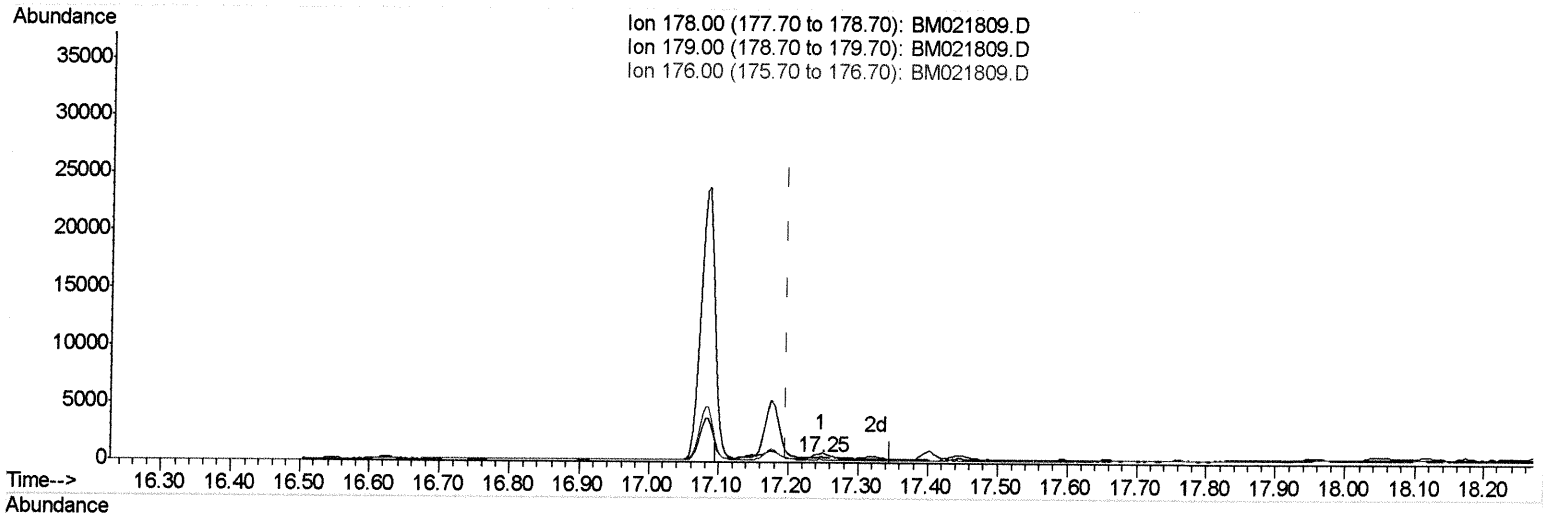
Quantitation Report (Qedit)

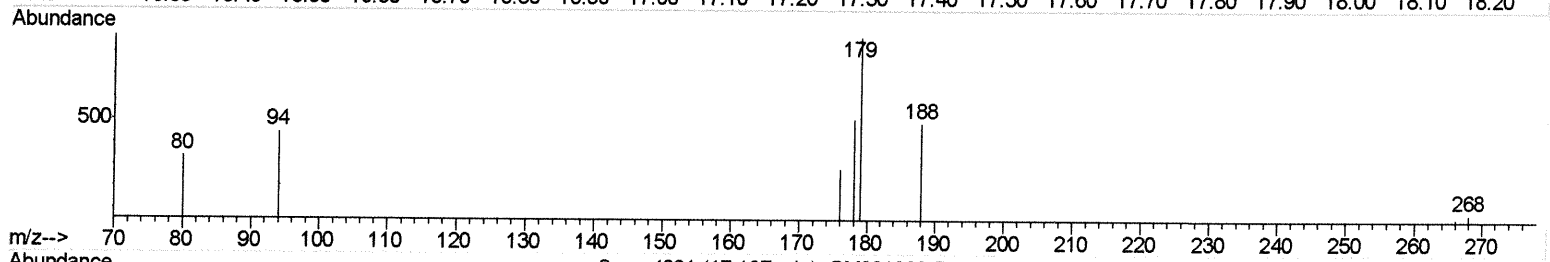
Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

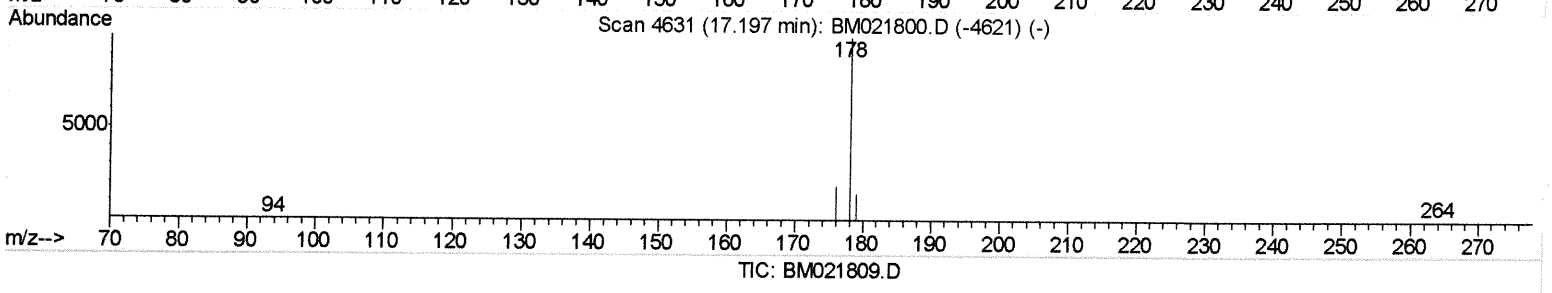
Quant Time: Aug 05 06:00:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM







(13) Anthracene

17.247min (+0.050) 0.02ng/ul

response 261

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	173.96#
176.00	20.80	55.67#
0.00	0.00	0.00

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

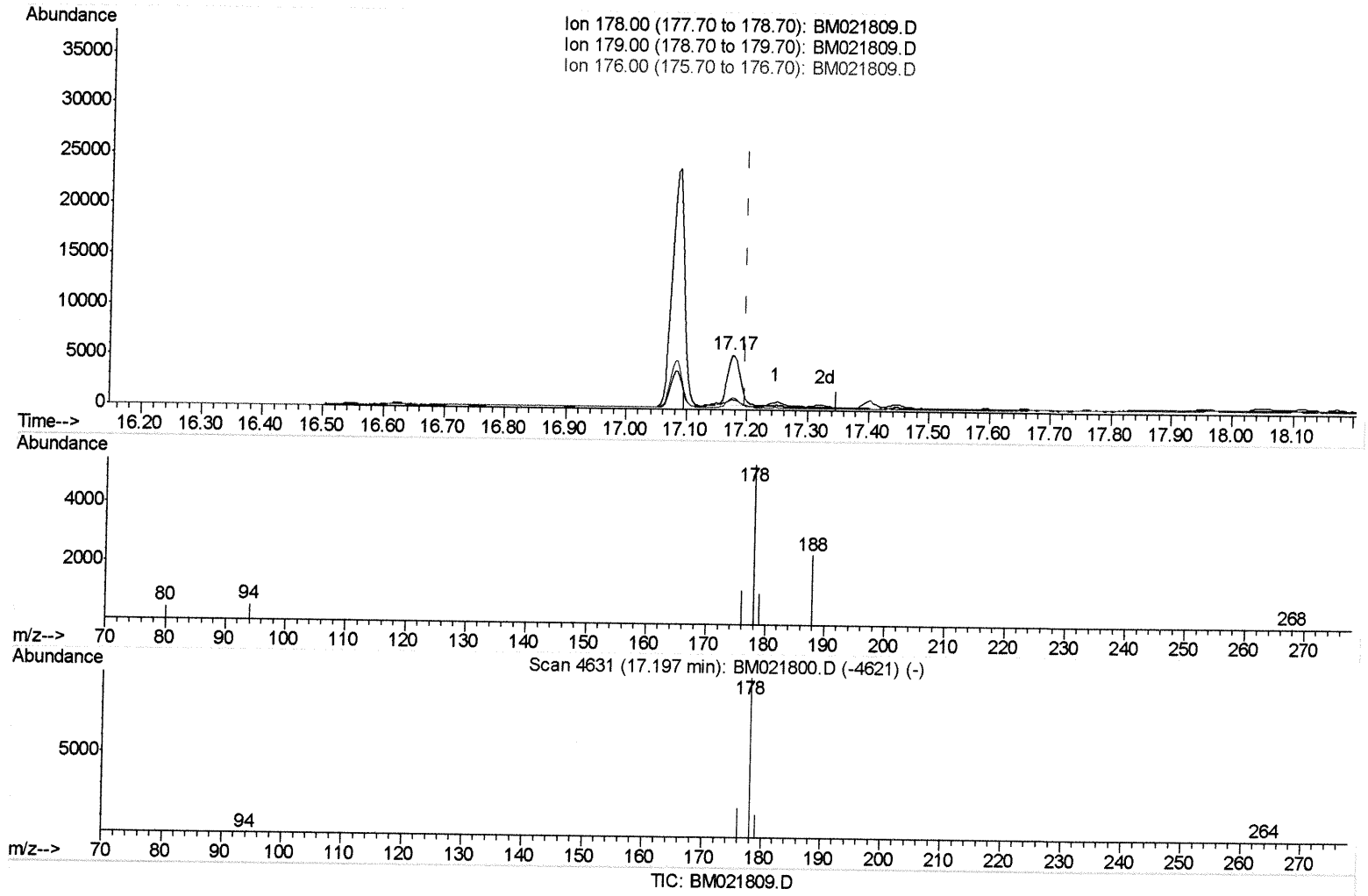
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:00:27 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(13) Anthracene

17.174min (-0.023) 0.47ng/ul m JU 08/05/19

response 7254

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	19.75
176.00	20.80	22.28
0.00	0.00	0.00

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

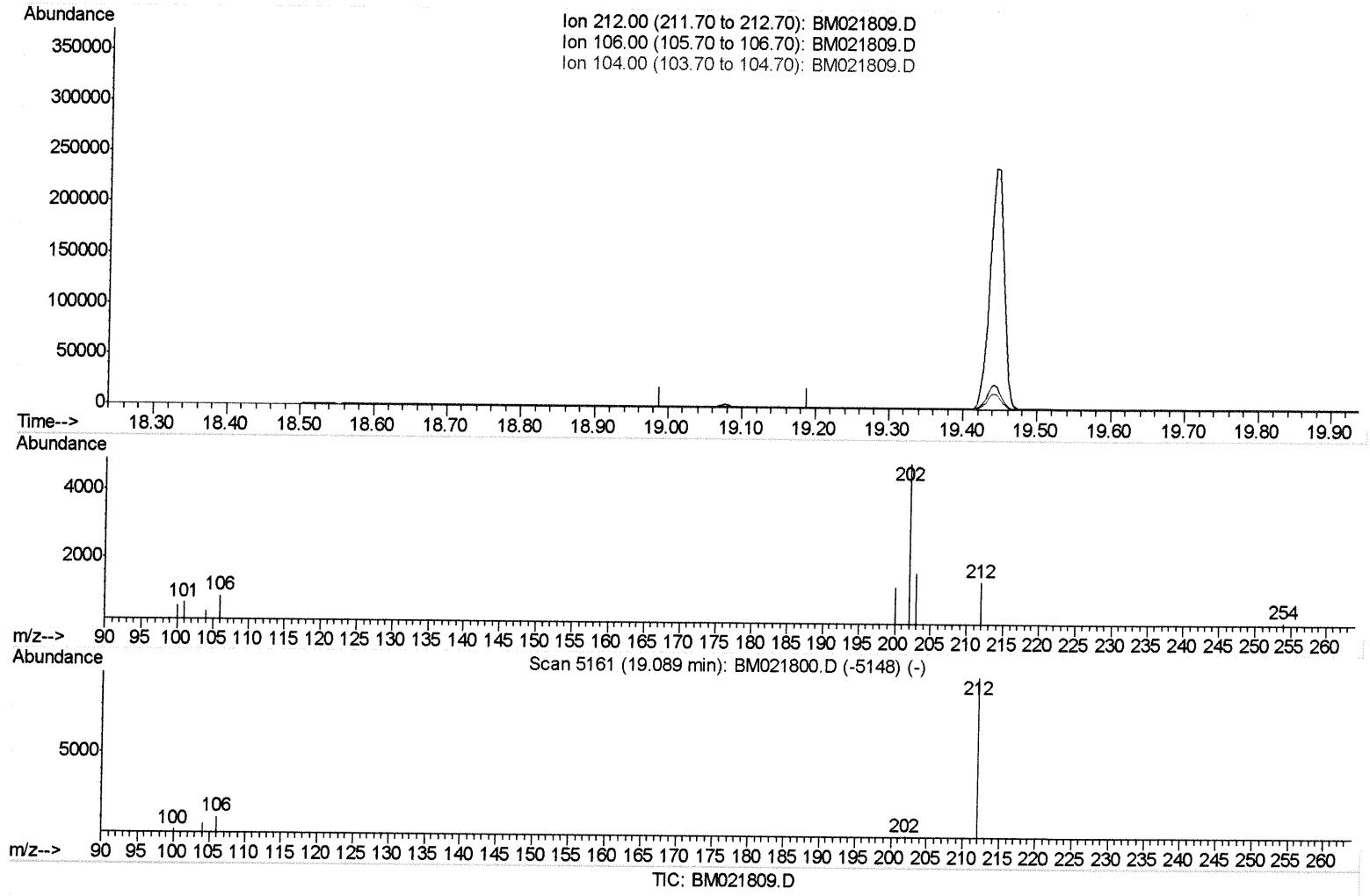
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:00:27 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.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\

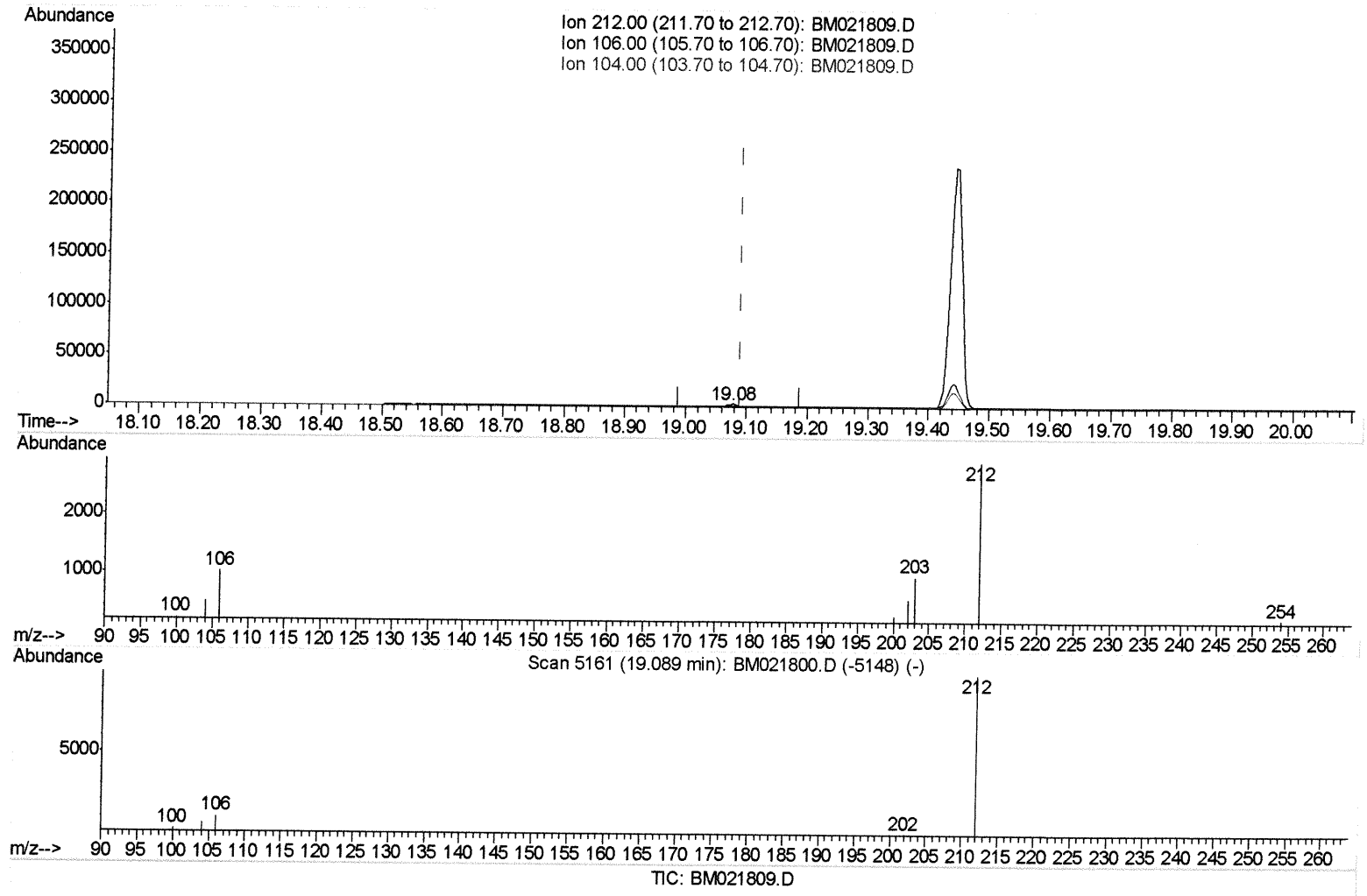
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:00:27 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(14) Fluoranthene-d10 (SURR)

19.076min (-0.013) 0.19ng/ul m JU 08/05/19

response 3942

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\

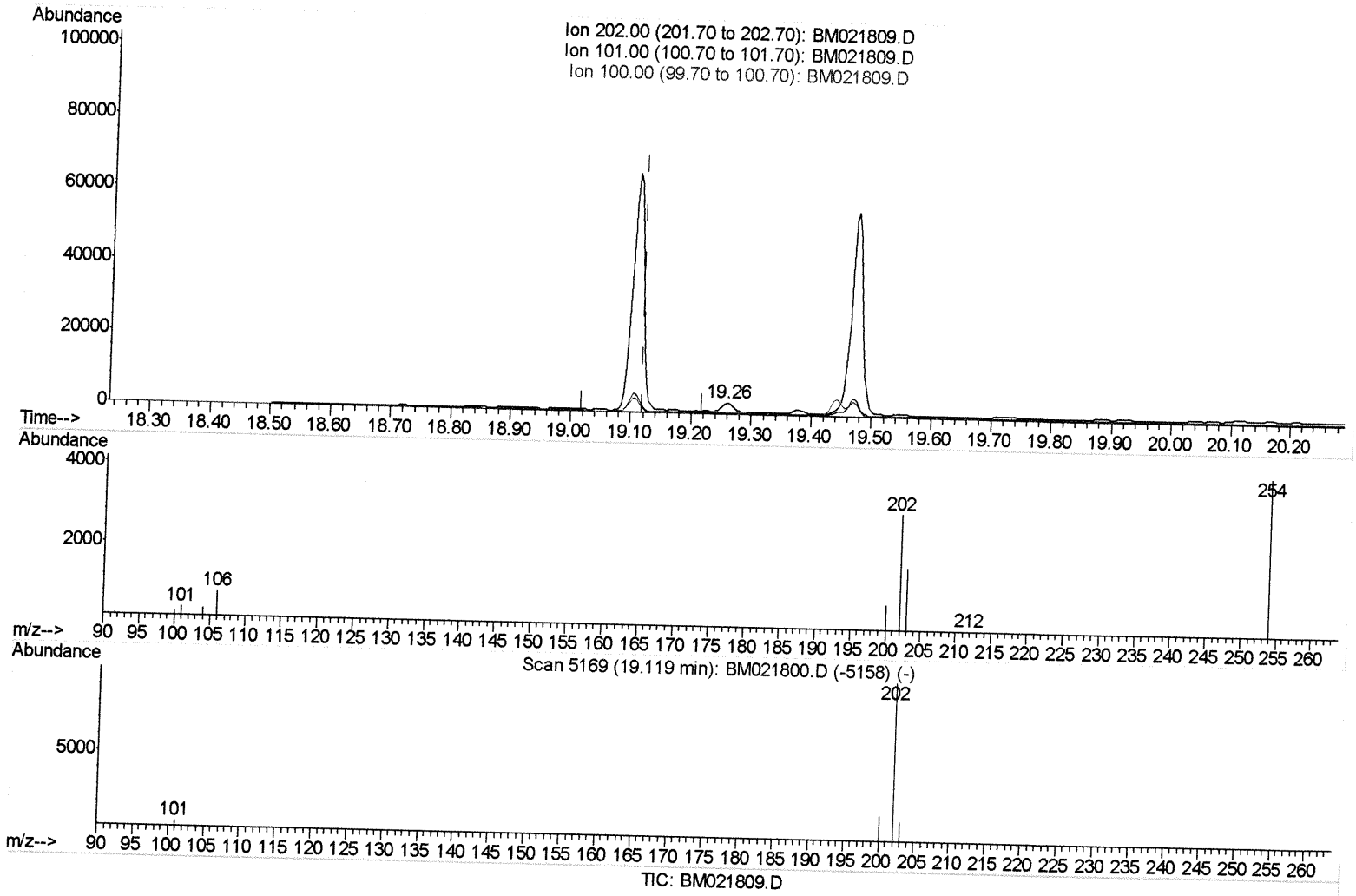
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:00:27 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(15) Fluoranthene (C)

19.259min (+0.139) 0.13ng/ul

response 3260

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	13.22
100.00	8.10	10.10
0.00	0.00	0.00

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

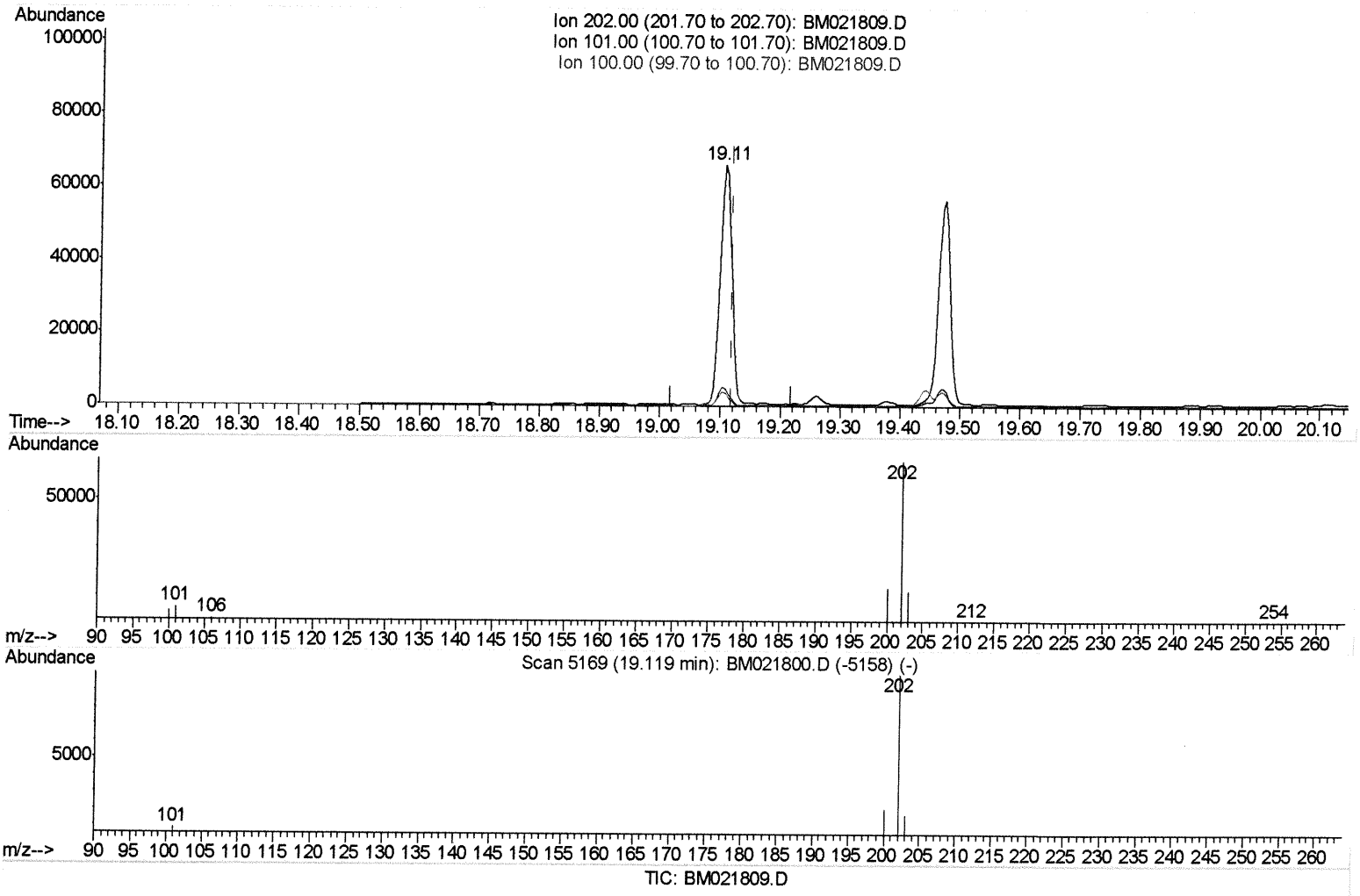
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:00:27 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(15) Fluoranthene (C)

19.106min (-0.013) 3.55ng/ul m JU 08/05/19

response 86443

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	7.92
100.00	8.10	6.09
0.00	0.00	0.00

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

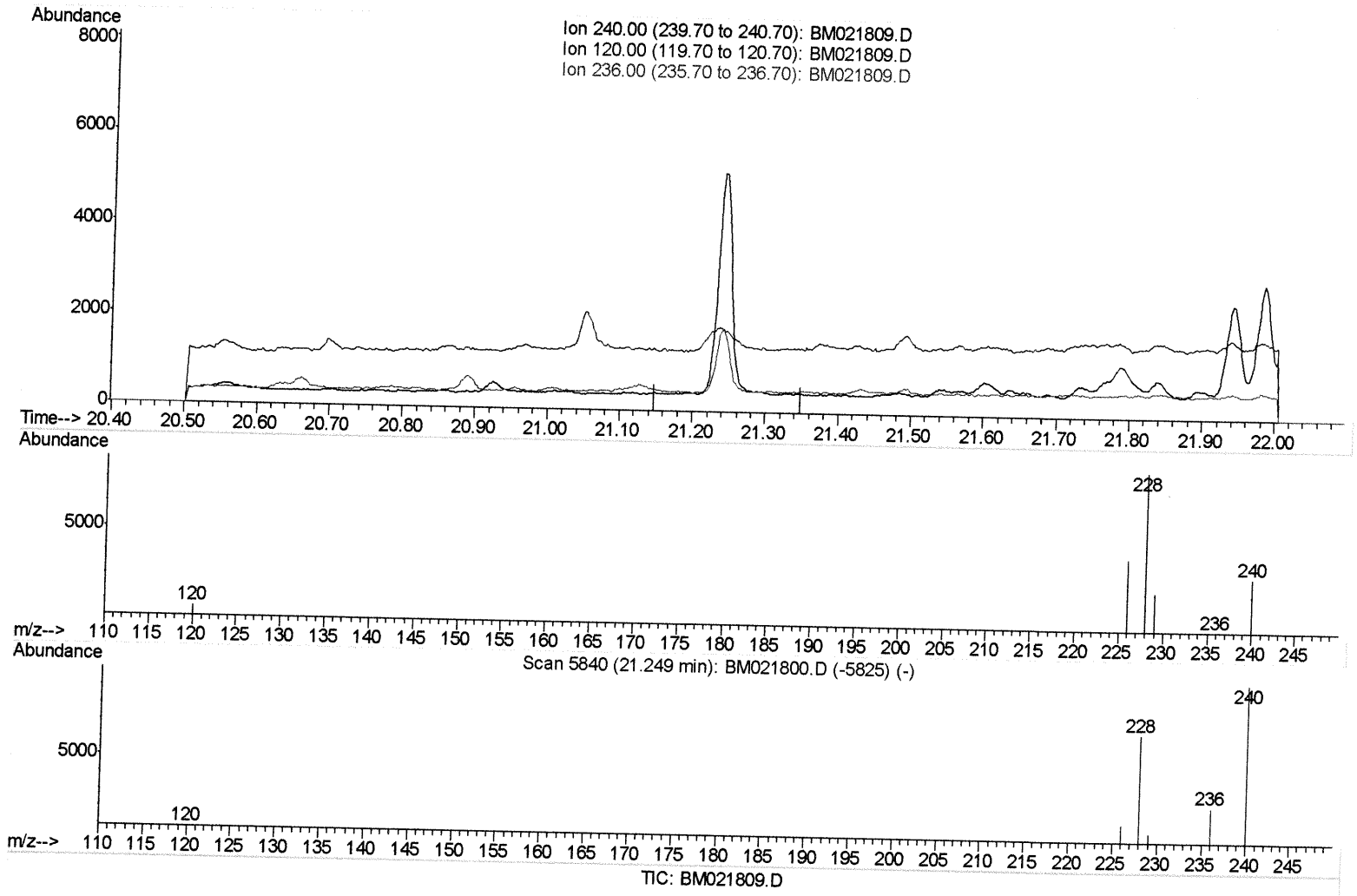
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:00:27 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(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\

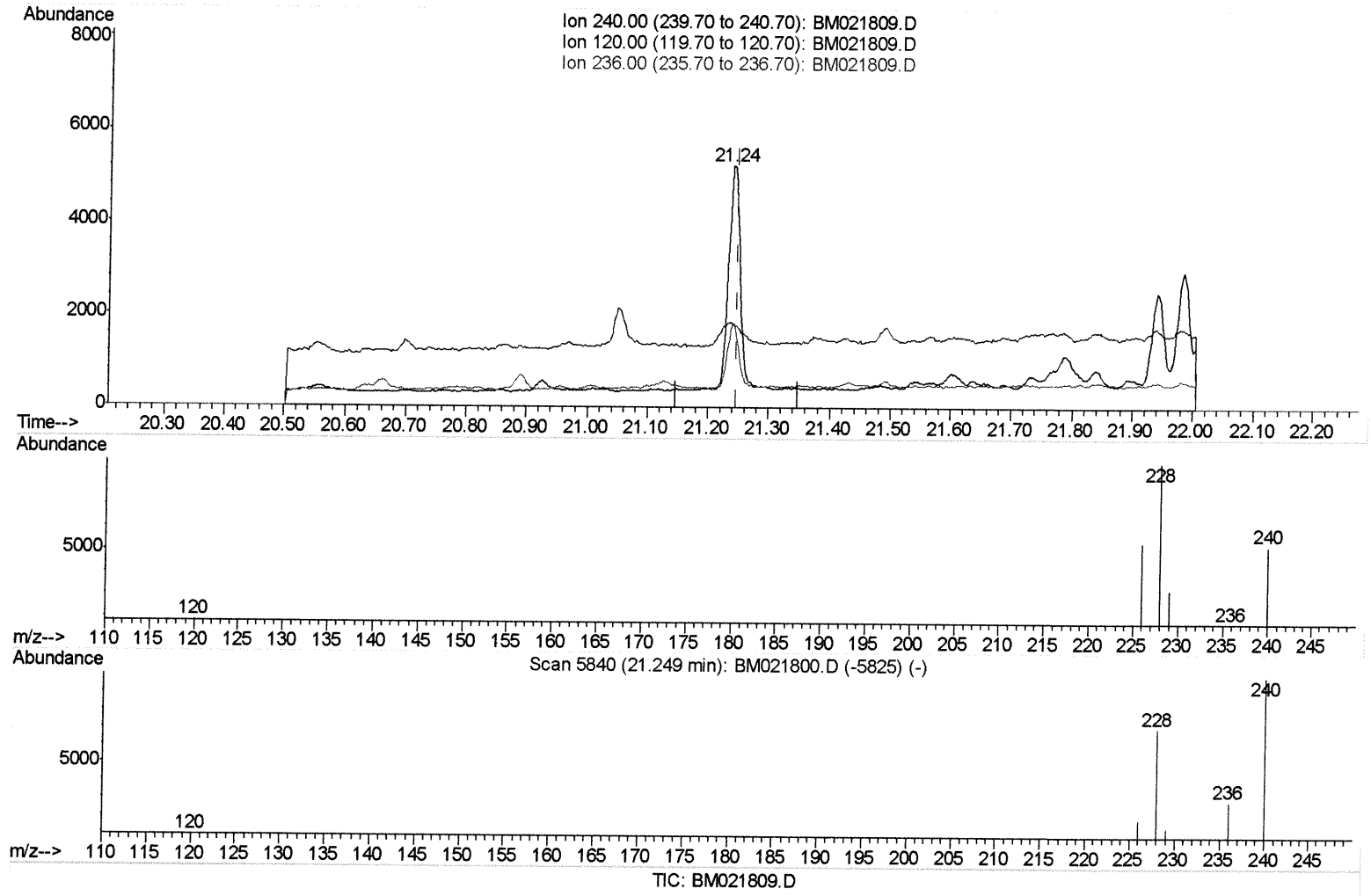
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:00:27 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(16) Chrysene-d12 (I)

21.238min (-0.010) 0.40ng/ul m JU 08/05/19

response 6357

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	34.97#
236.00	32.30	34.30
0.00	0.00	0.00

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

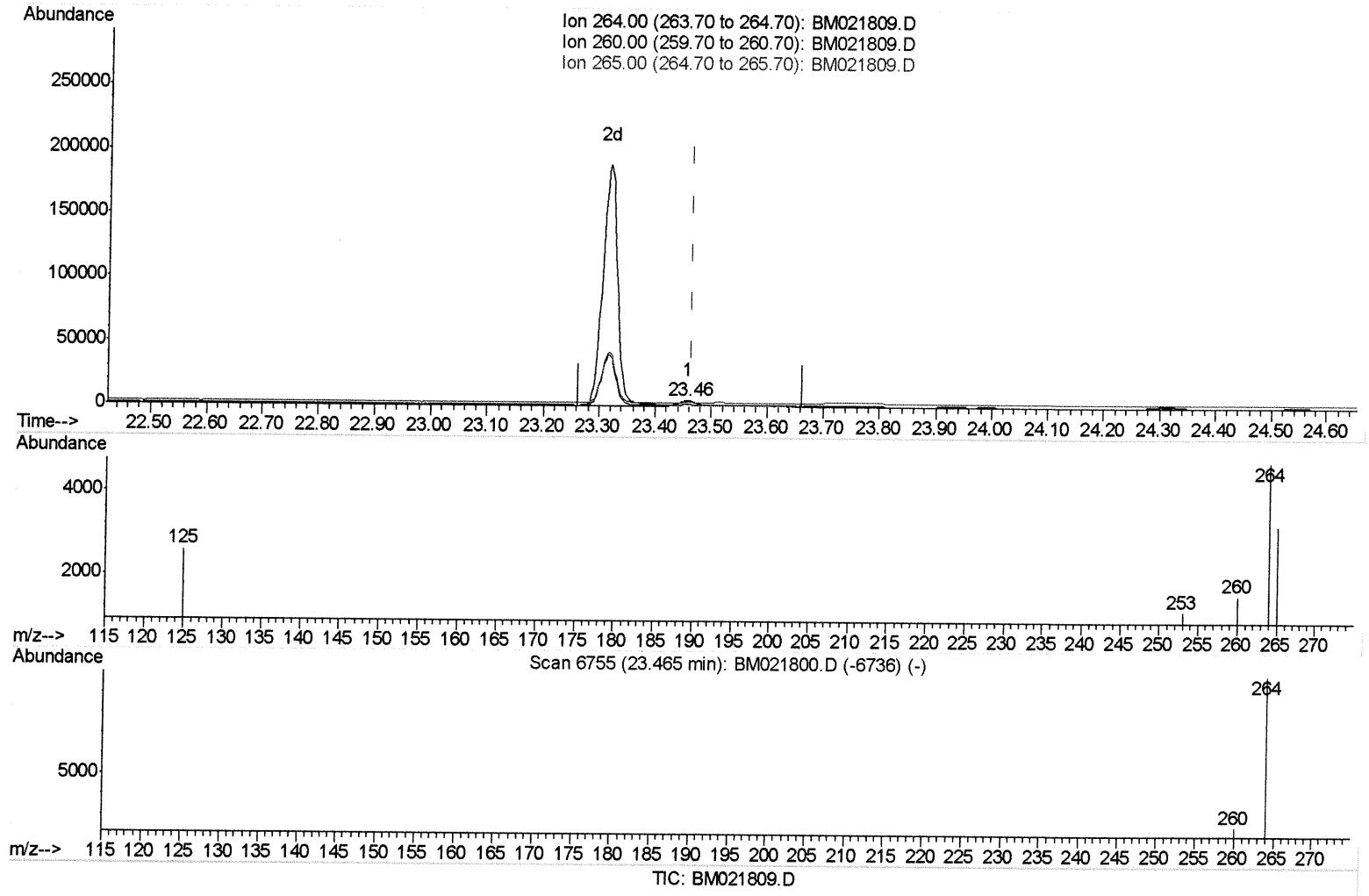
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:01:52 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(20) Perylene-d12 (I)

23.459min (-0.005) 0.40ng/ul

response 10629

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	32.83
265.00	117.00	68.05#
0.00	0.00	0.00

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

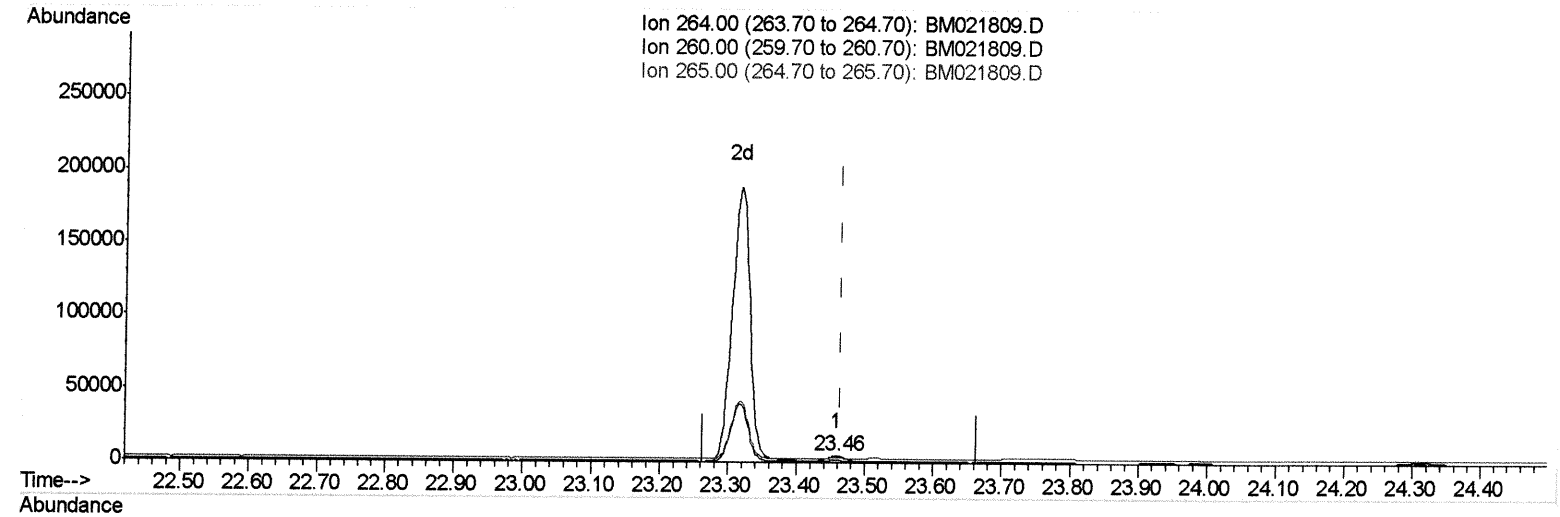
Quantitation Report (Qedit)

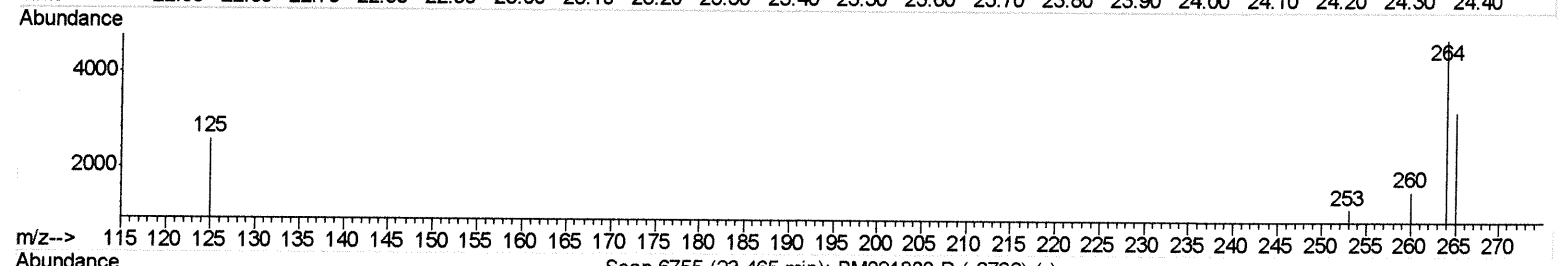
Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

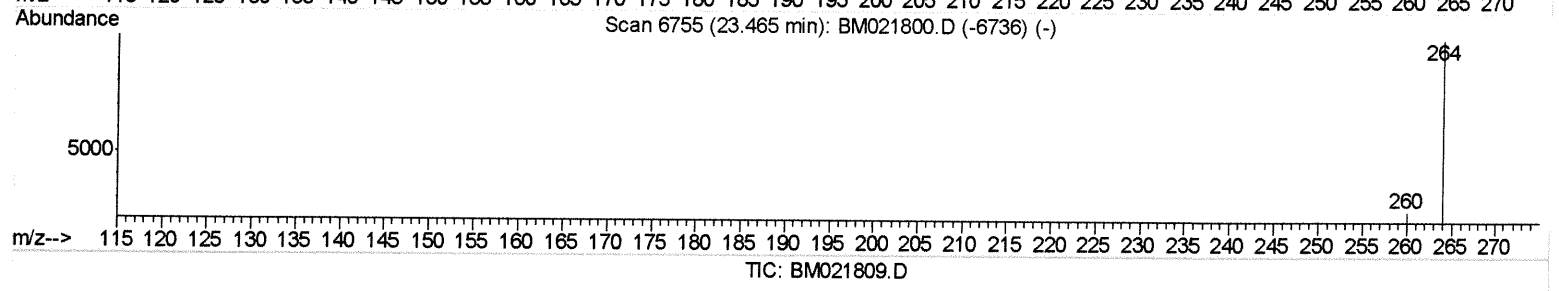
Quant Time: Aug 05 06:01:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM







TIC: BM021809.D

(20) Perylene-d12 (I)

23.459min (-0.005) 0.40ng/ul m JU 08/05/19

response 7140

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	32.83
265.00	117.00	68.05#
0.00	0.00	0.00

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

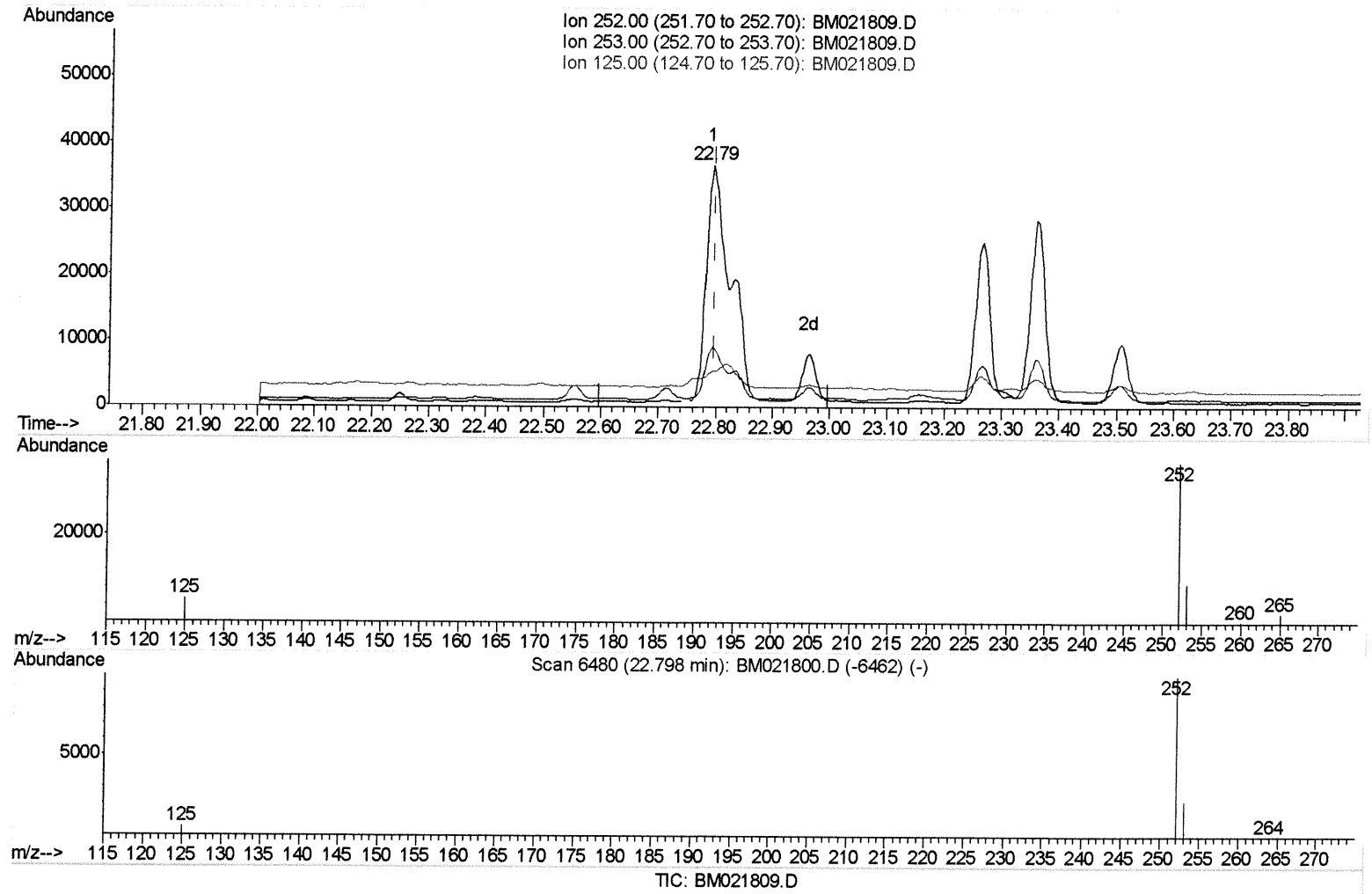
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:02:17 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(21) Benzo(b)fluoranthene

22.793min (-0.005) 4.35ng/ul

response 104856

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.95
125.00	15.50	14.96
0.00	0.00	0.00

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

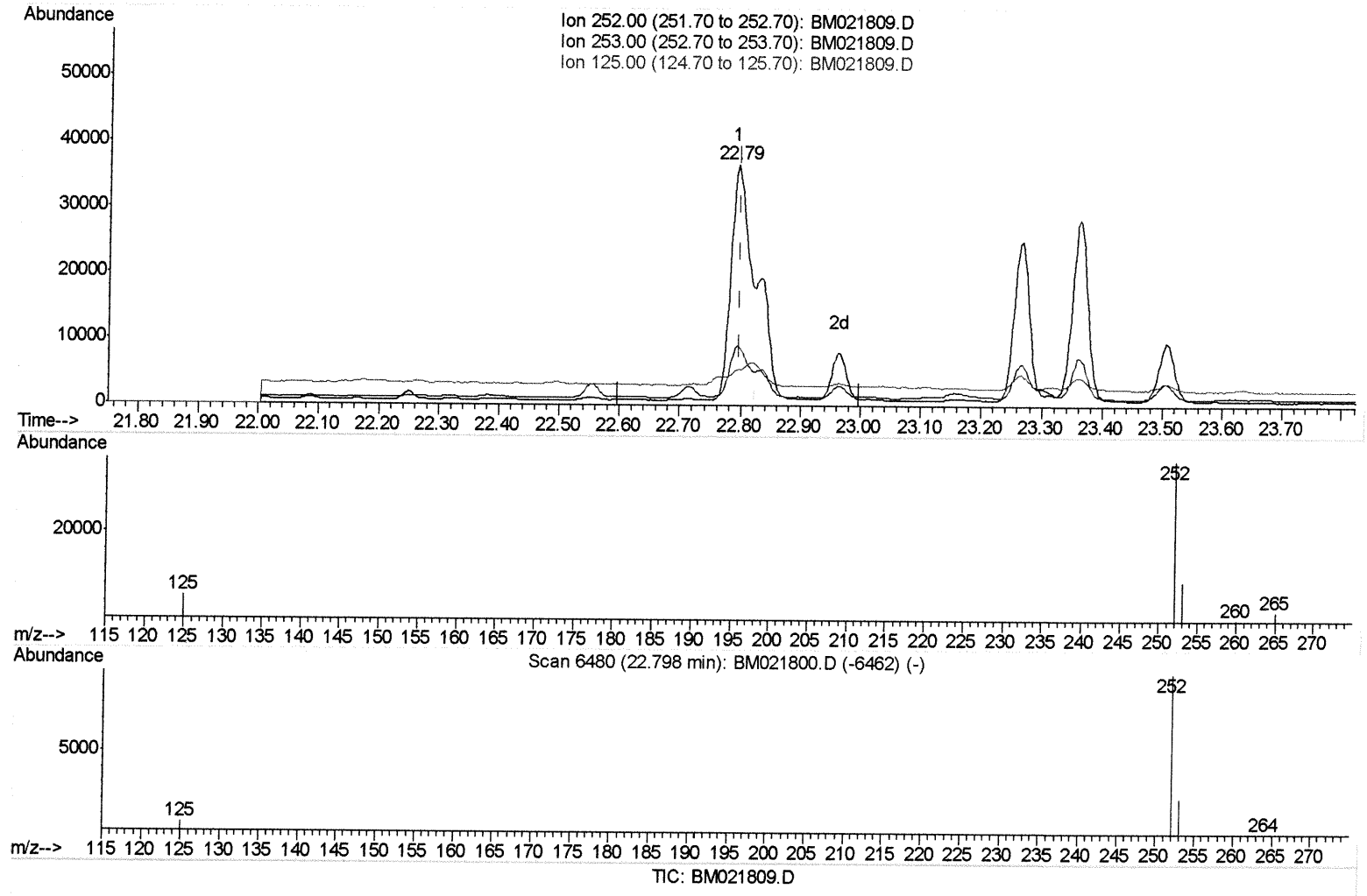
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:02:17 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(21) Benzo(b)fluoranthene

22.793min (-0.005) 3.17ng/ul m JU 08/05/19

response 76244

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.95
125.00	15.50	14.96
0.00	0.00	0.00

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

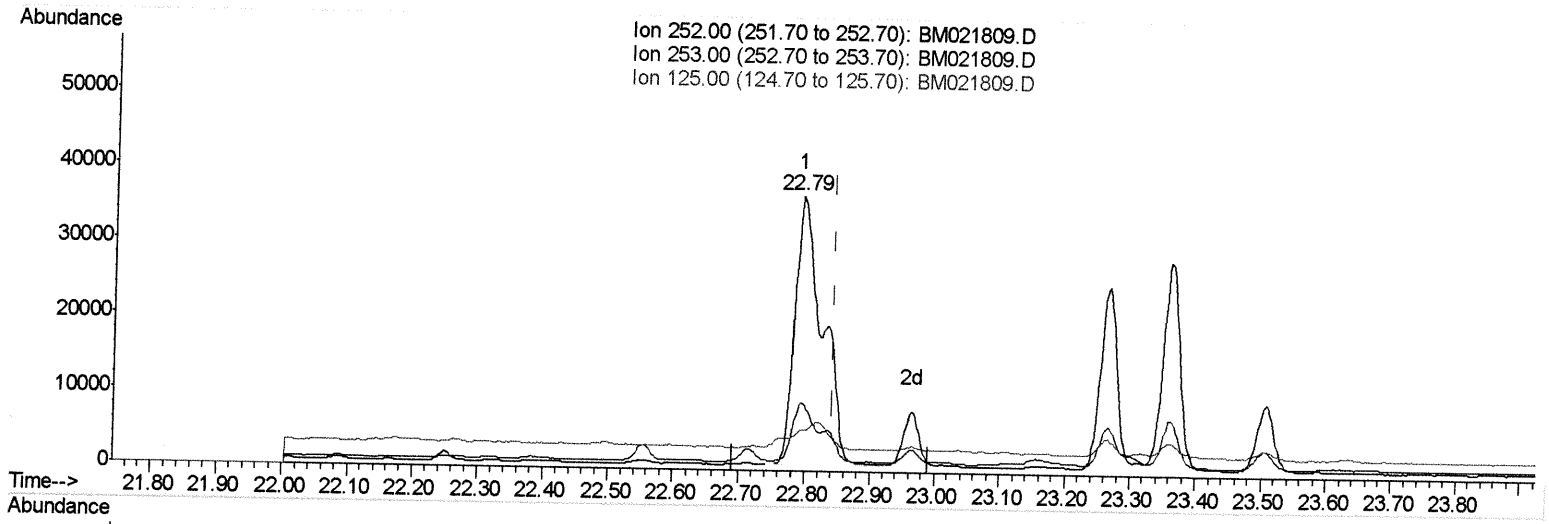
Quantitation Report (Qedit)

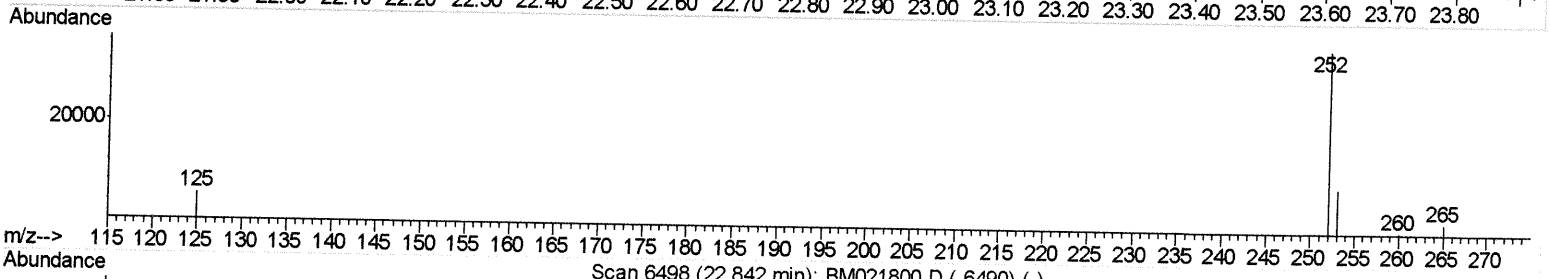
Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

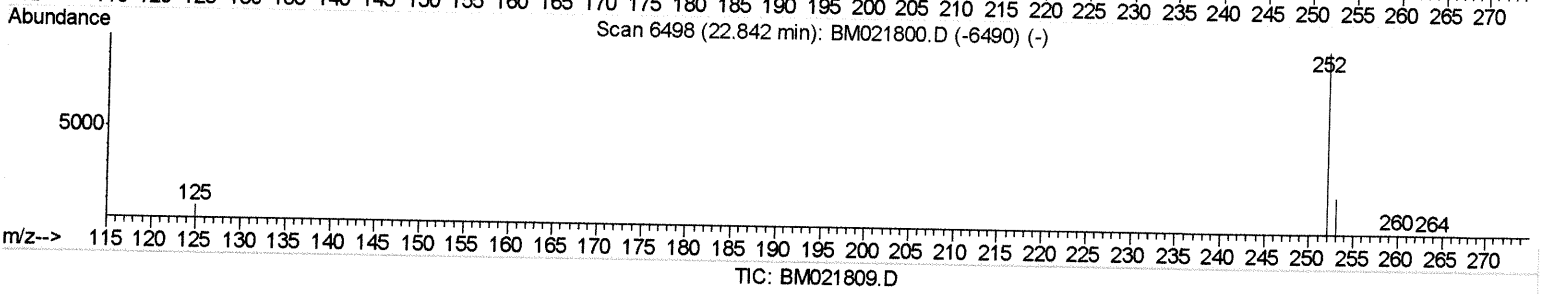
Quant Time: Aug 05 06:02:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM







TIC: BM021809.D

(22) Benzo(k)fluoranthene

22.793min (-0.049) 3.85ng/ul

response 104824

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.95#
125.00	15.20	14.96
0.00	0.00	0.00

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

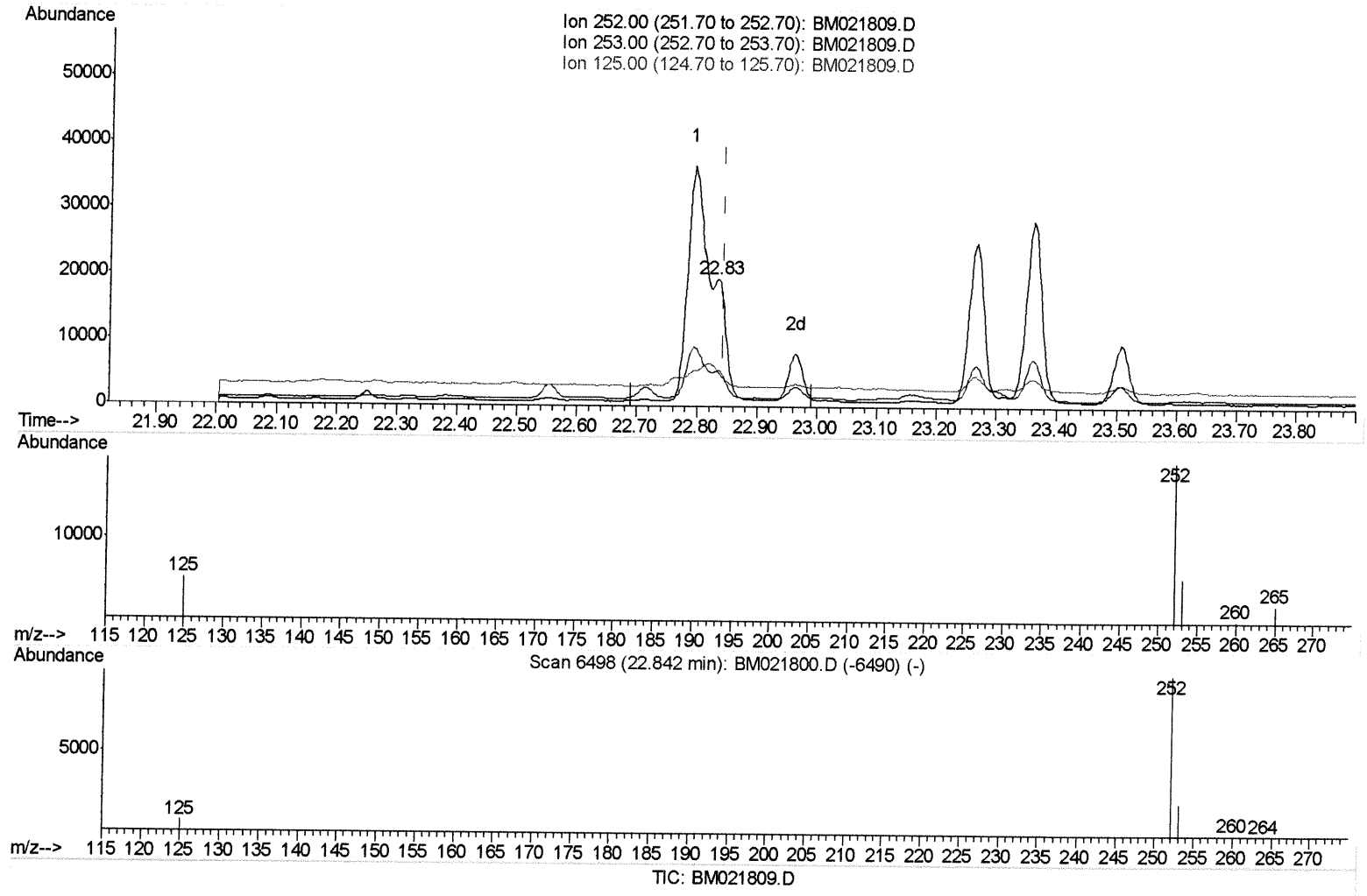
Quantitation Report (Qedit)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:02:17 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 :
BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM



TIC: BM021809.D

(22) Benzo(k)fluoranthene

22.834min (-0.008) 1.06ng/ul m JU 08/05/19

response 28912

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	28.68
125.00	15.20	27.07#
0.00	0.00	0.00

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

Quantitation Report (QT Reviewed)

Data File : BM021809.D
Acq On : 04 Aug 2019 12:57
Operator : HP/JU
Sample : K3850-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Aug 05 06:02:59 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 : BENS6

Manual Integrations APPROVED
mohammad
8/5/2019 10:15:29 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	927	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.42	136	3666	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.29	164	2297	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	6247m>	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	6357m>	0.40	ng/ul	-0.01
20) Perylene-d12	23.46	264	7140m>	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1134	0.19	ng/ul	-0.02
14) Fluoranthene-d10	19.08	212	3942m>	0.19	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.47	128	1562	0.151	ng/ul	95
5) 2-Methylnaphthalene	12.09	142	1504	0.218	ng/ul	93
7) Acenaphthylene	14.01	152	6342	0.592	ng/ul	97
8) Acenaphthene	14.35	153	920	0.105	ng/ul	97
9) Fluorene	15.34	166	1611	0.165	ng/ul#	98
12) Phenanthrene	17.08	178	33225m>	1.828	ng/ul	
13) Anthracene	17.17	178	7254m>	0.468	ng/ul	
15) Fluoranthene	19.11	202	86443m>	3.550	ng/ul	
17) Pyrene	19.47	202	75007	2.871	ng/ul#	95
18) Benzo(a)anthracene	21.22	228	44195	1.944	ng/ul	96
19) Chrysene	21.27	228	50933	1.742	ng/ul	96
21) Benzo(b)fluoranthene	22.79	252	76244m>	3.167	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	28912m>	1.061	ng/ul	
23) Benzo(a)pyrene	23.36	252	50294	2.054	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.68	276	44723	1.530	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.68	278	10198	0.432	ng/ul#	75
26) Benzo(g,h,i)perylene	26.36	276	51810	1.968	ng/ul	95

JU 08/05/19

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JU 08/05/19

JU 08/05/19

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