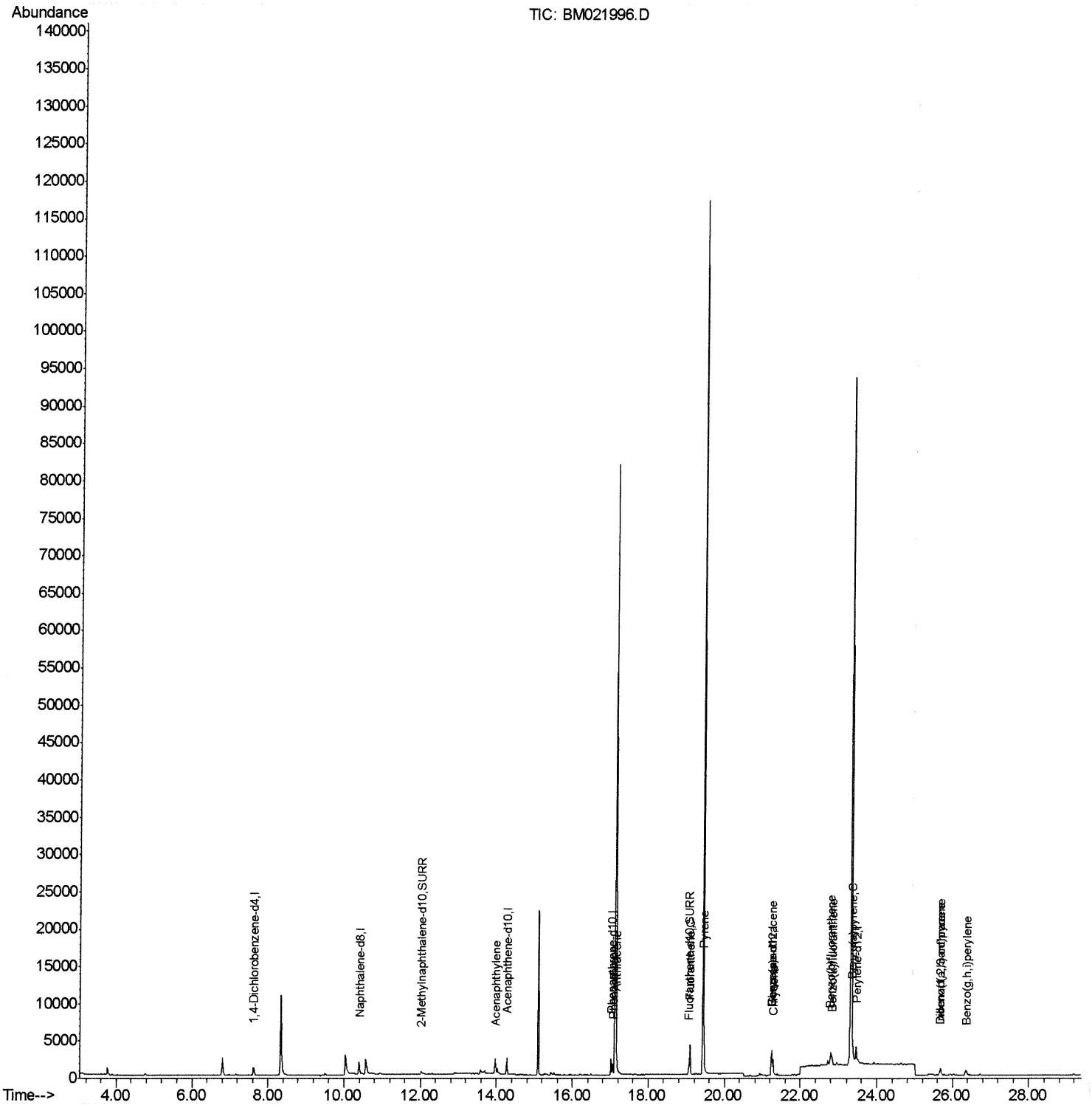
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 11 00:20:54 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM



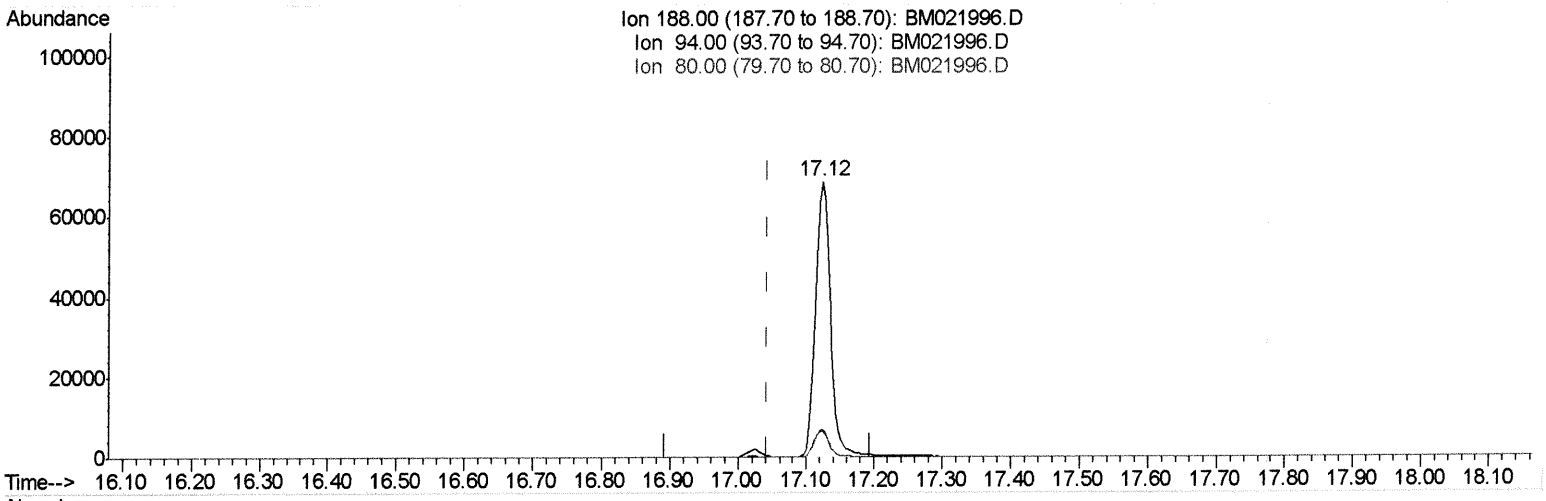
Quantitation Report (Qedit)

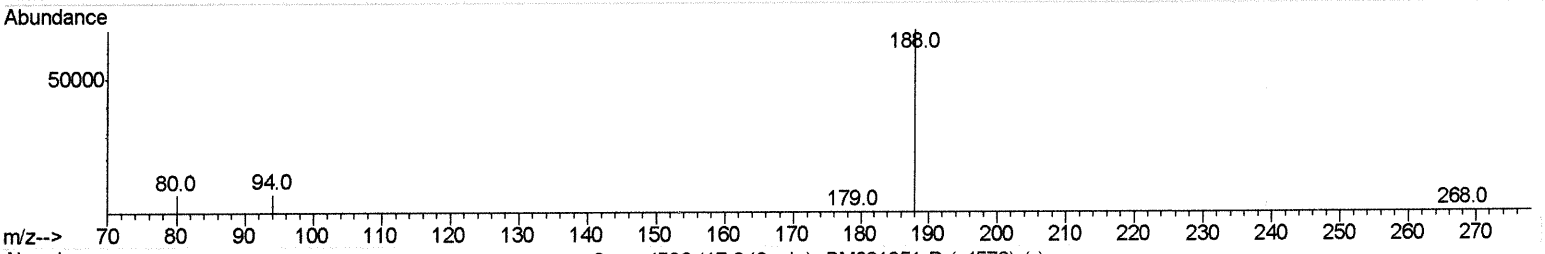
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

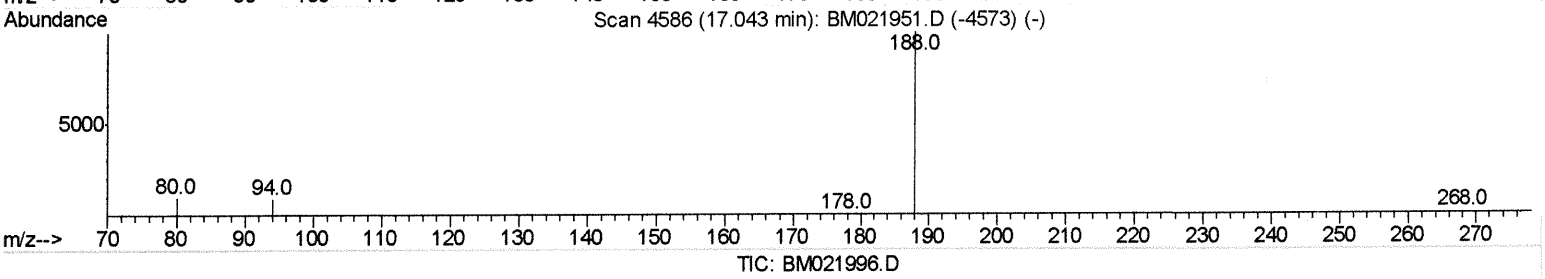
Quant Time: Aug 11 00:09:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







TIC: BM021996.D

(10) Phenanthrene-d10 (I)

17.123min (+0.078) 0.40ng/ul

response 101285

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.00
80.00	11.40	9.43
0.00	0.00	0.00

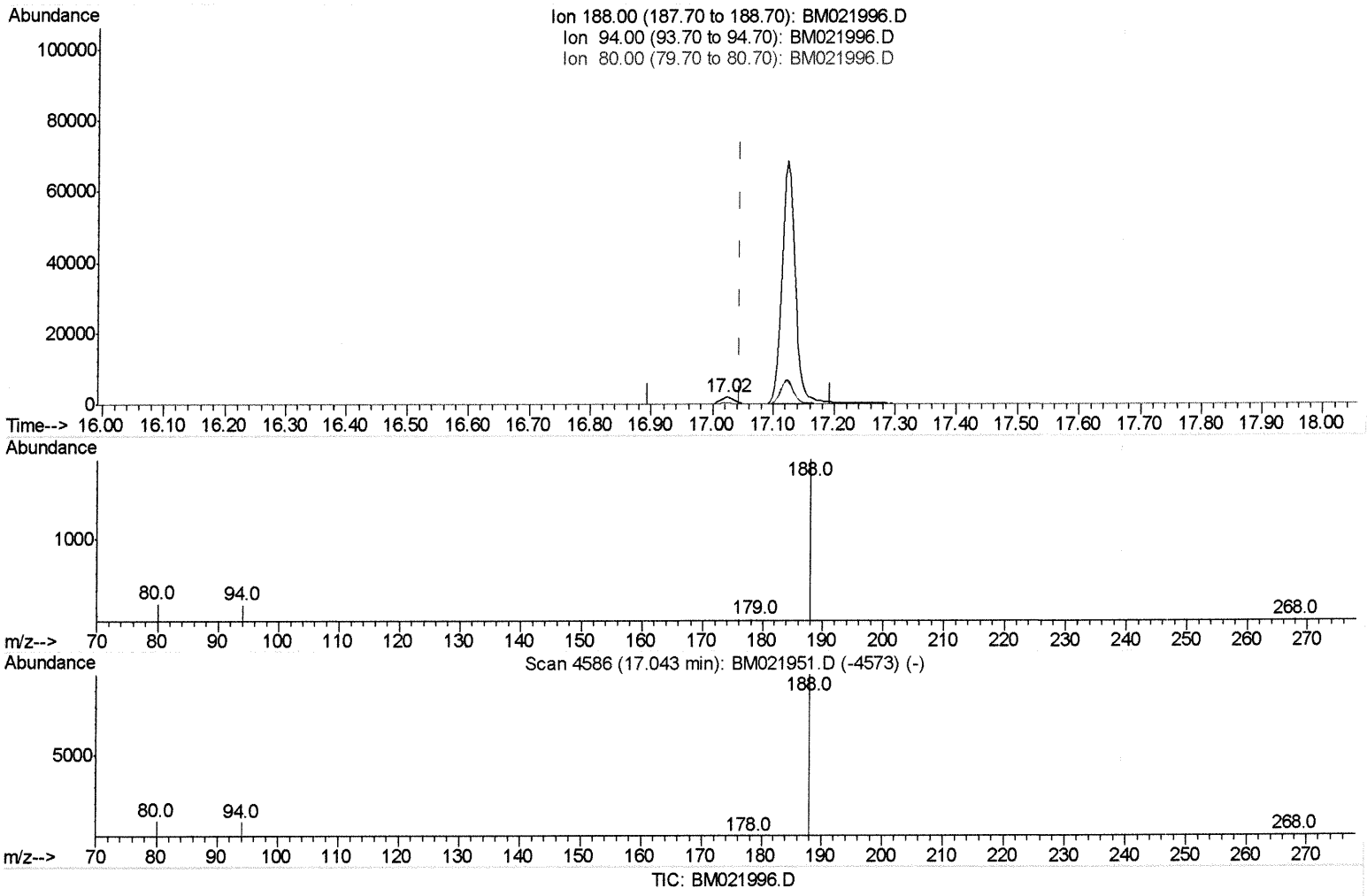
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 11 00:09:08 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM



(10) Phenanthrene-d10 (I)

17.022min (-0.022) 0.40ng/ul m JV 08/12/19

response 2906

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	11.92
80.00	11.40	12.70
0.00	0.00	0.00

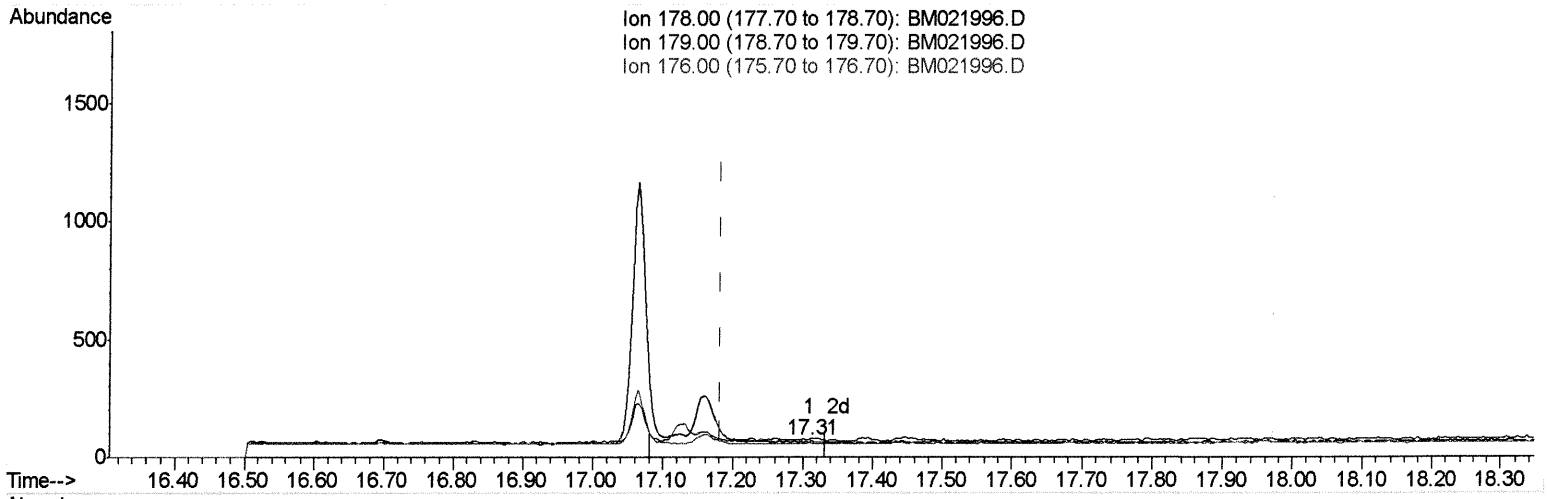
Quantitation Report (Qedit)

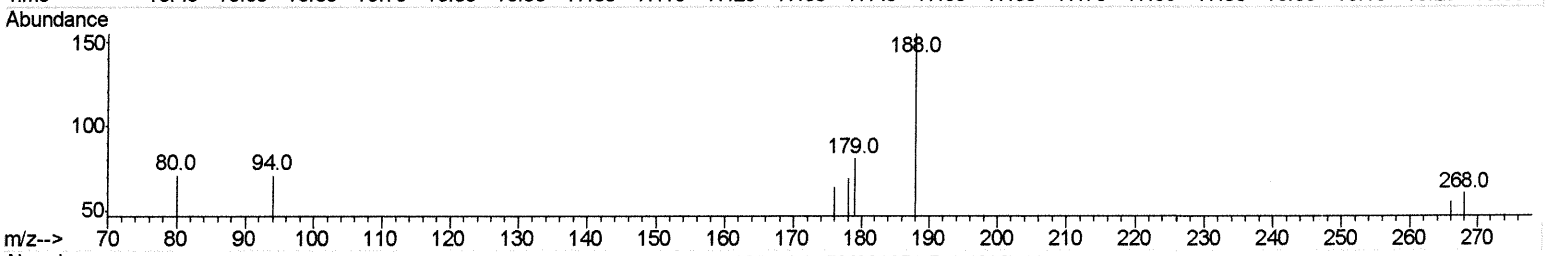
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

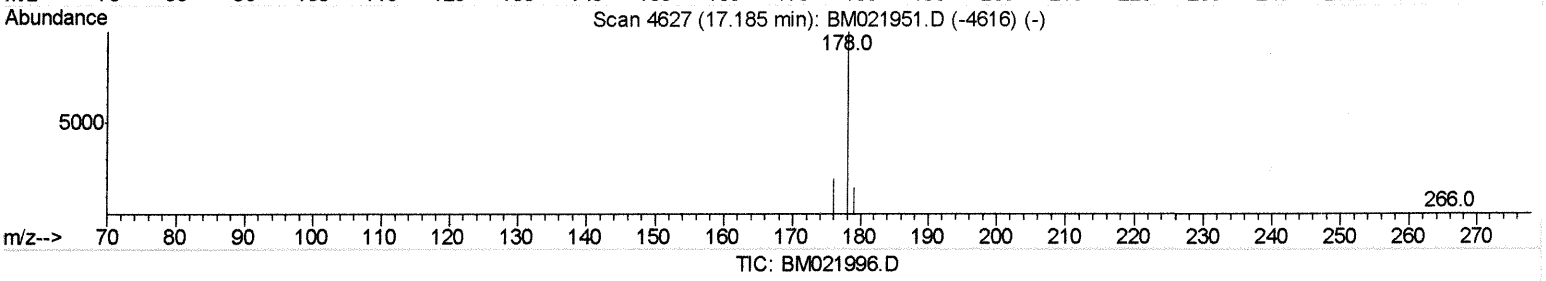
Quant Time: Aug 11 00:18:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







(13) Anthracene

17.310min (+0.127) 0.00ng/ul

response 9

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	117.39#
176.00	20.80	92.75#
0.00	0.00	0.00

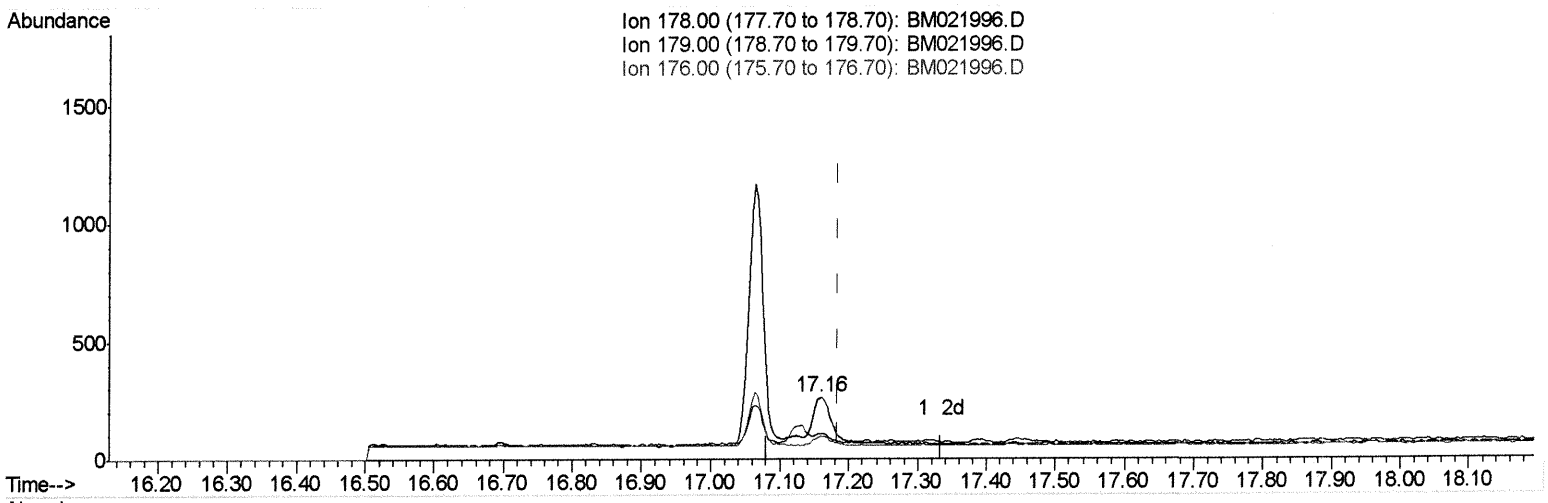
Quantitation Report (Qedit)

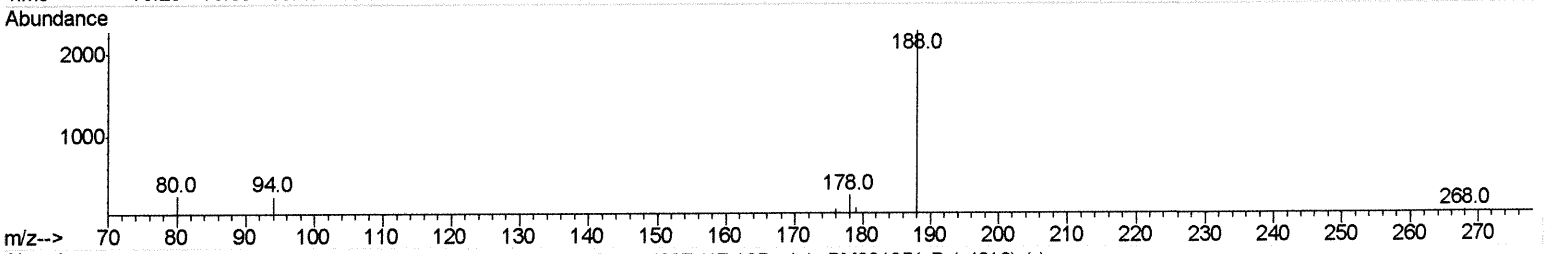
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

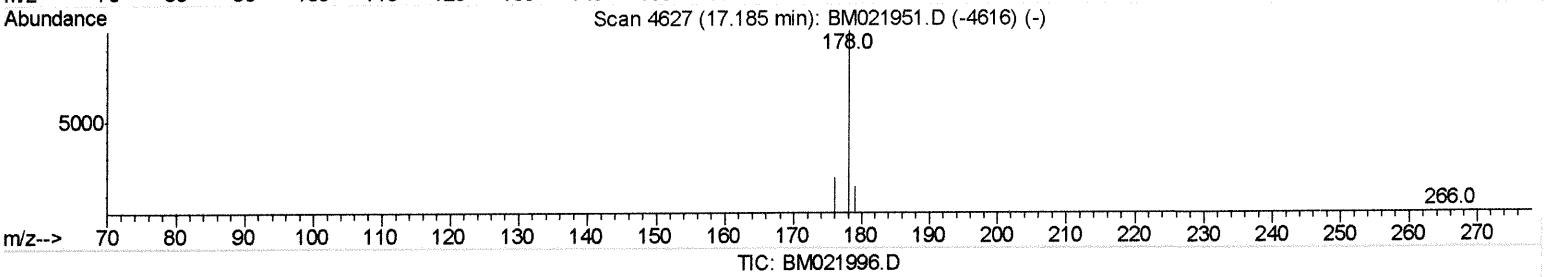
Quant Time: Aug 11 00:18:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







TIC: BM021996.D

(13) Anthracene

17.157min (-0.026) 0.05ng/ul m JU 08/12/19

response 387

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	40.84#
176.00	20.80	35.88#
0.00	0.00	0.00

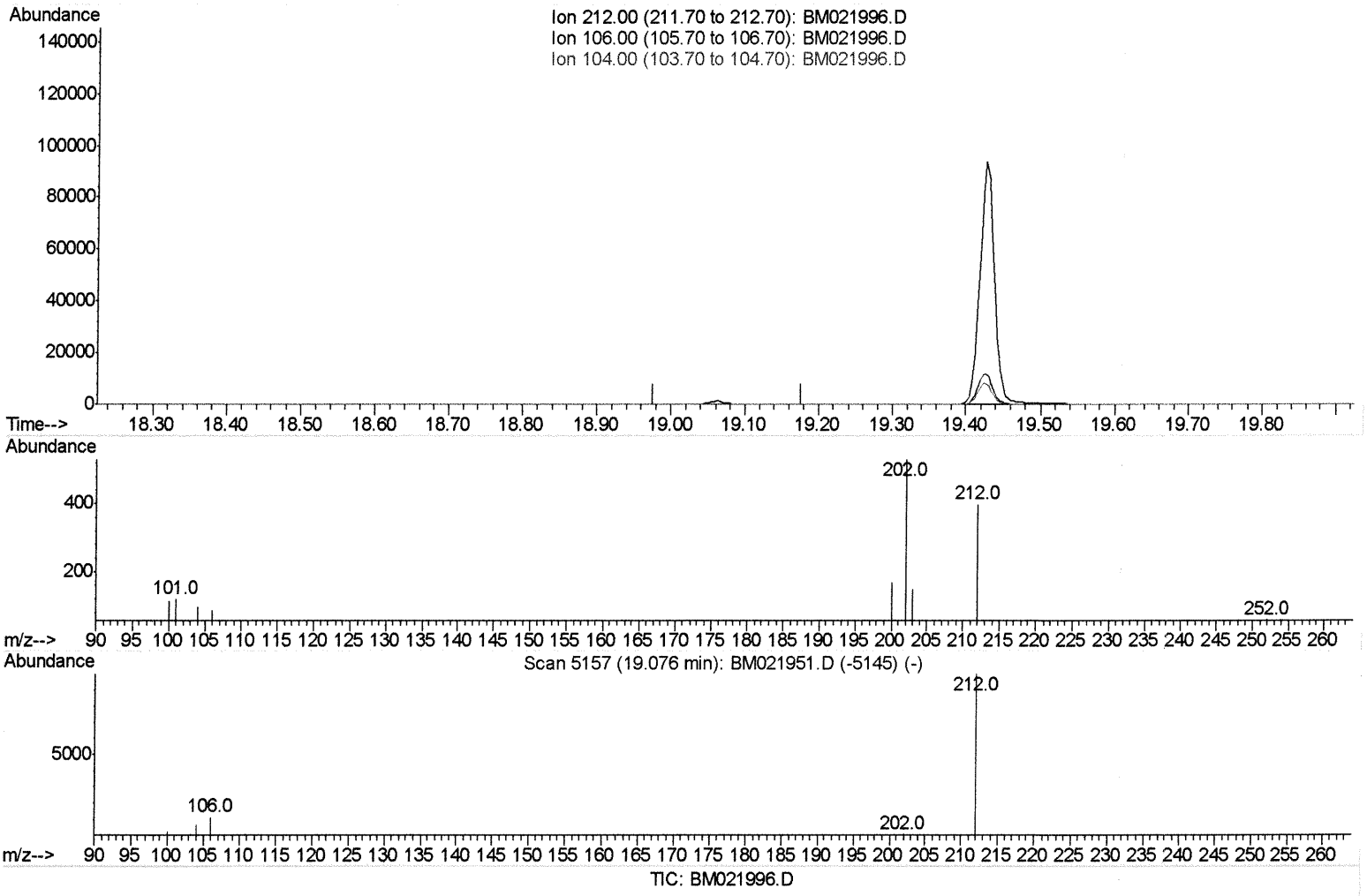
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 11 00:18:15 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM



TIC: BM021996.D

(14) Fluoranthene-d10 (SURR)

19.077min (-19.077) 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

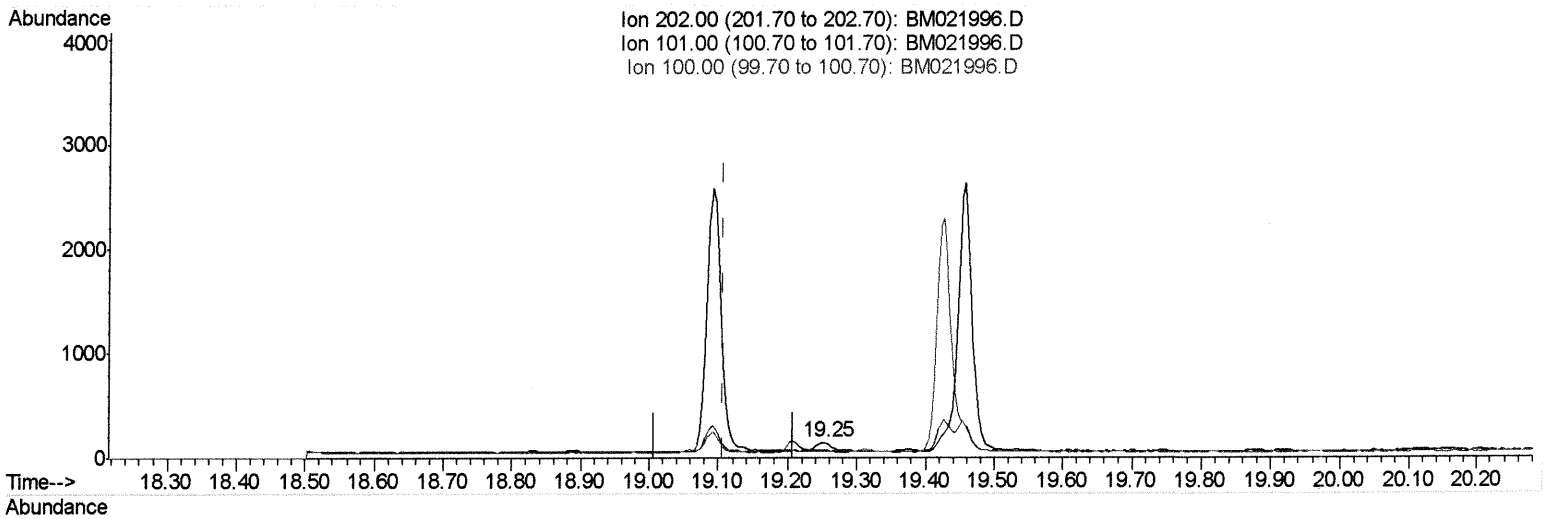
Quantitation Report (Qedit)

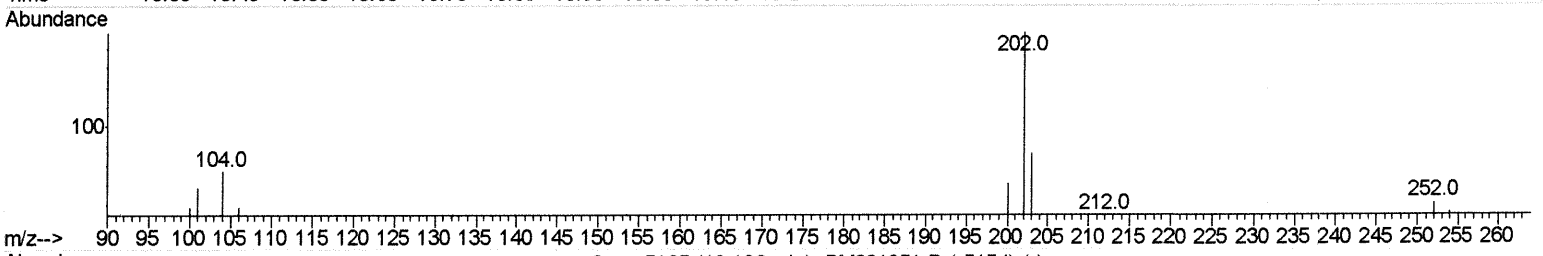
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

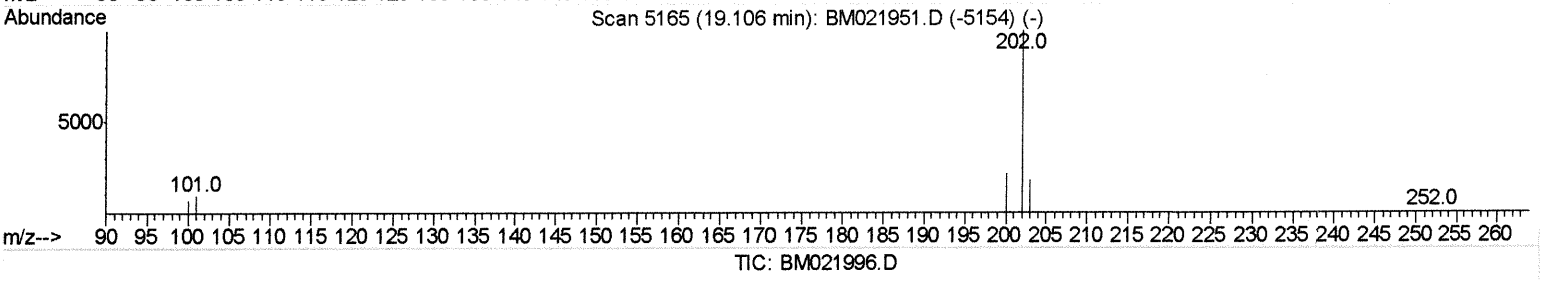
Quant Time: Aug 11 00:18:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







TIC: BM021996.D

(15) Fluoranthene (C)

19.255min (+0.147) 0.01ng/ul

response 145

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	46.62#
100.00	8.10	39.86#
0.00	0.00	0.00

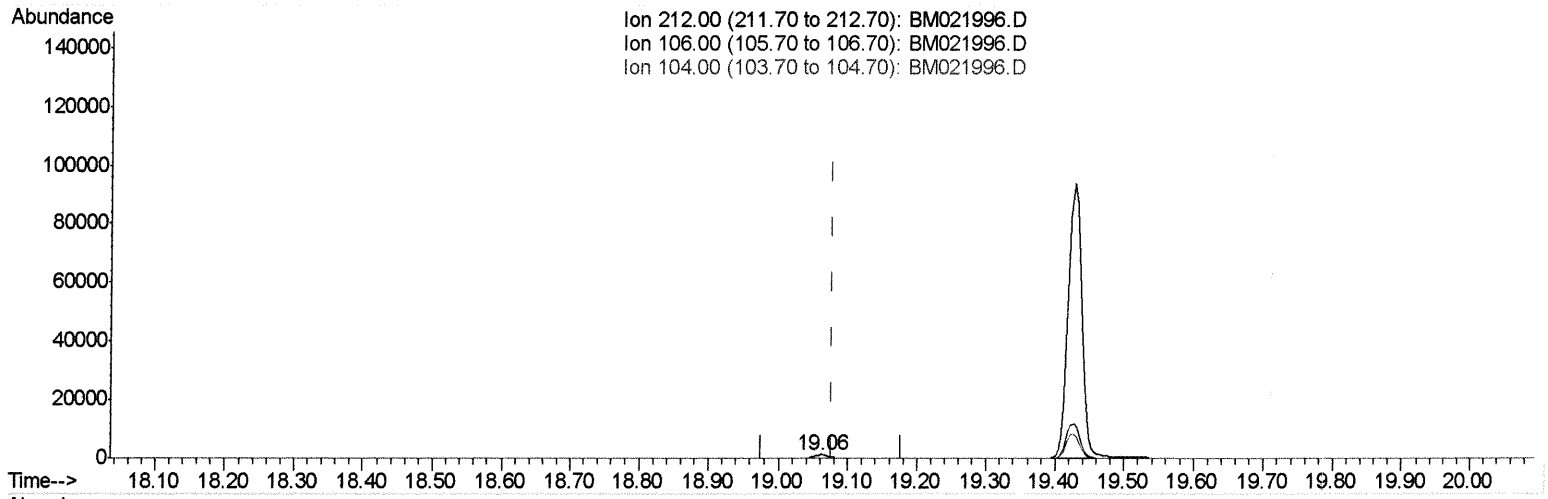
Quantitation Report (Qedit)

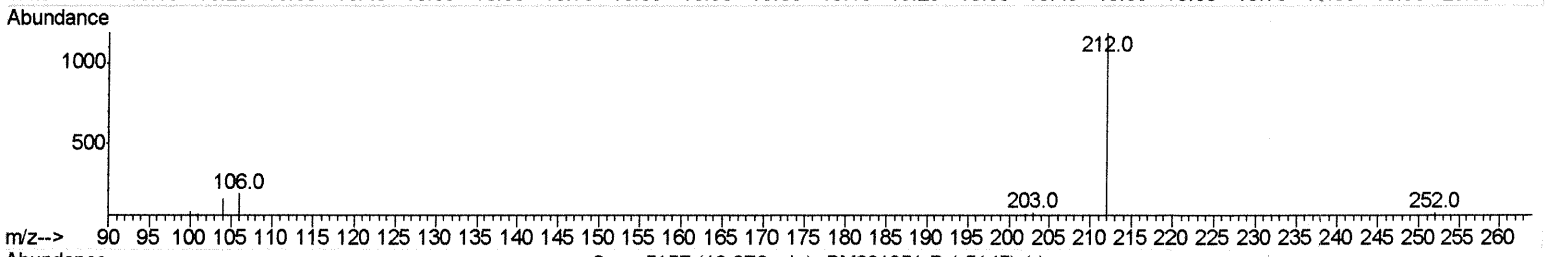
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

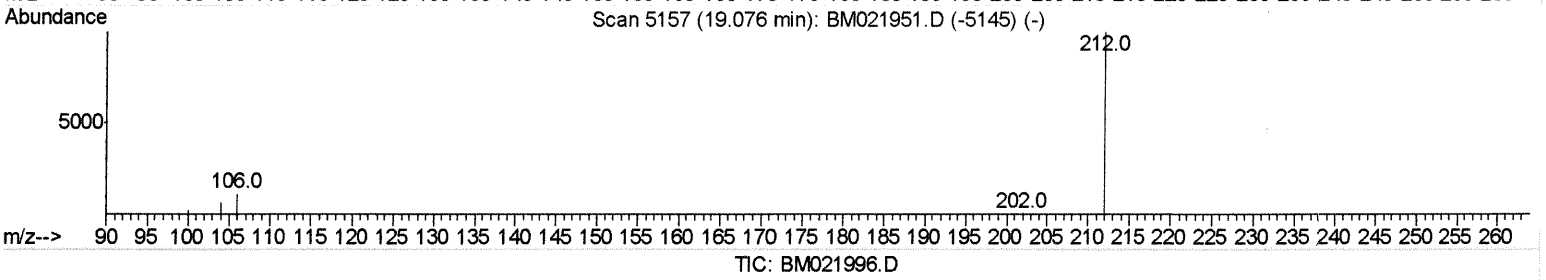
Quant Time: Aug 11 00:18:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







TIC: BM021996.D

(14) Fluoranthene-d10 (SURR)

19.061min (-0.017) 0.18ng/ul m JU 08/12/19

response 1731

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

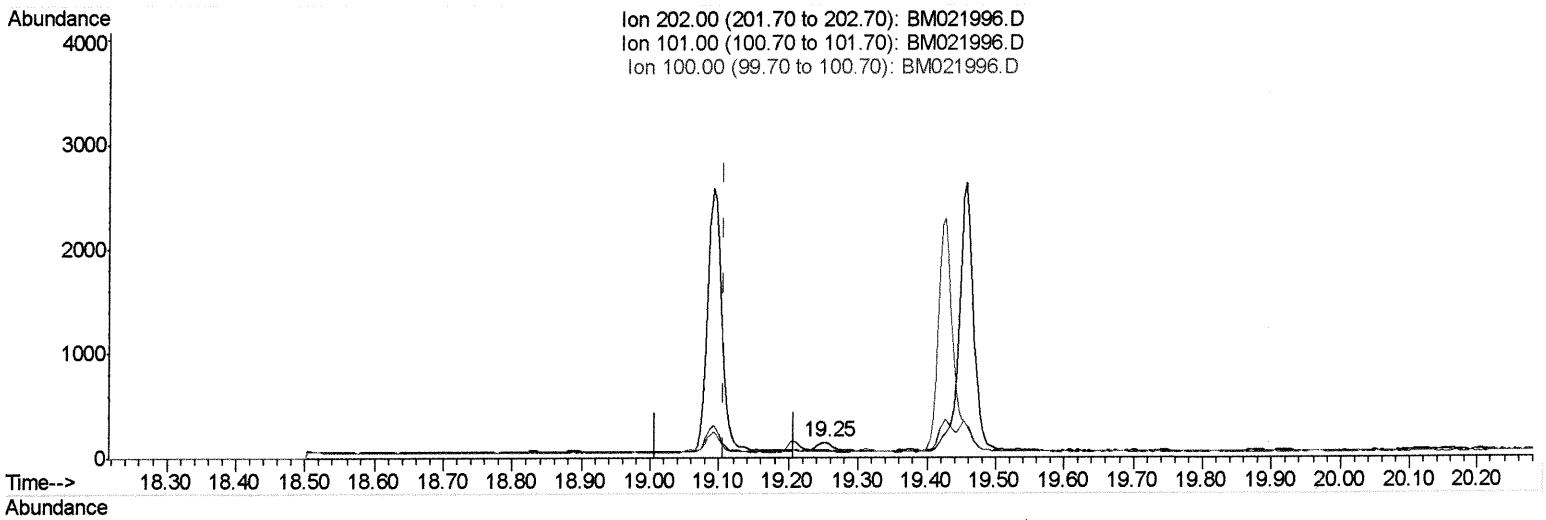
Quantitation Report (Qedit)

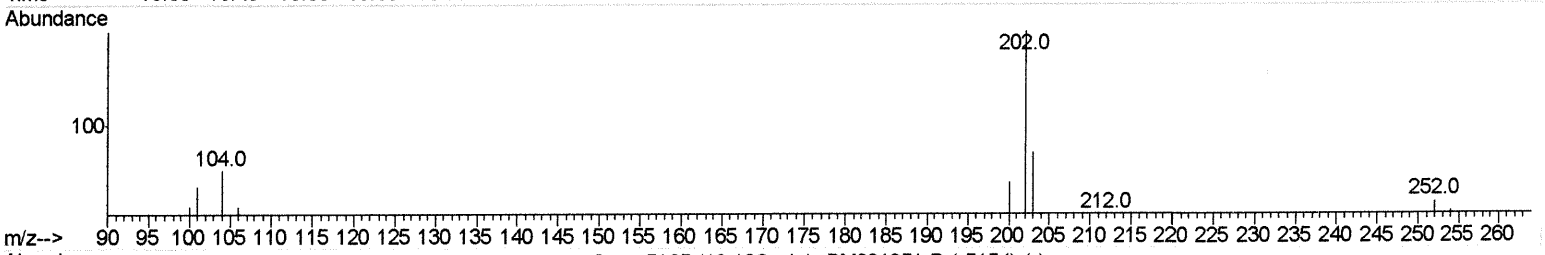
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

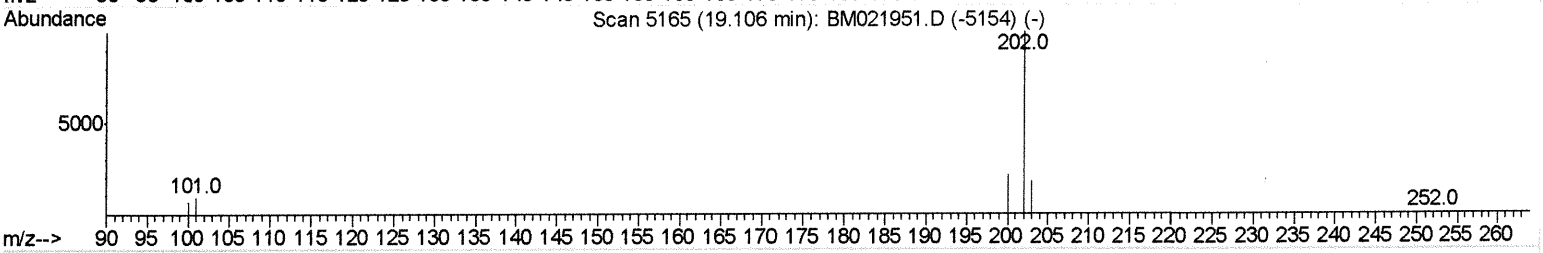
Quant Time: Aug 11 00:18:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







TIC: BM021996.D

(15) Fluoranthene (C)

19.255min (+0.147) 0.01ng/ul

response 145

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	46.62#
100.00	8.10	39.86#
0.00	0.00	0.00

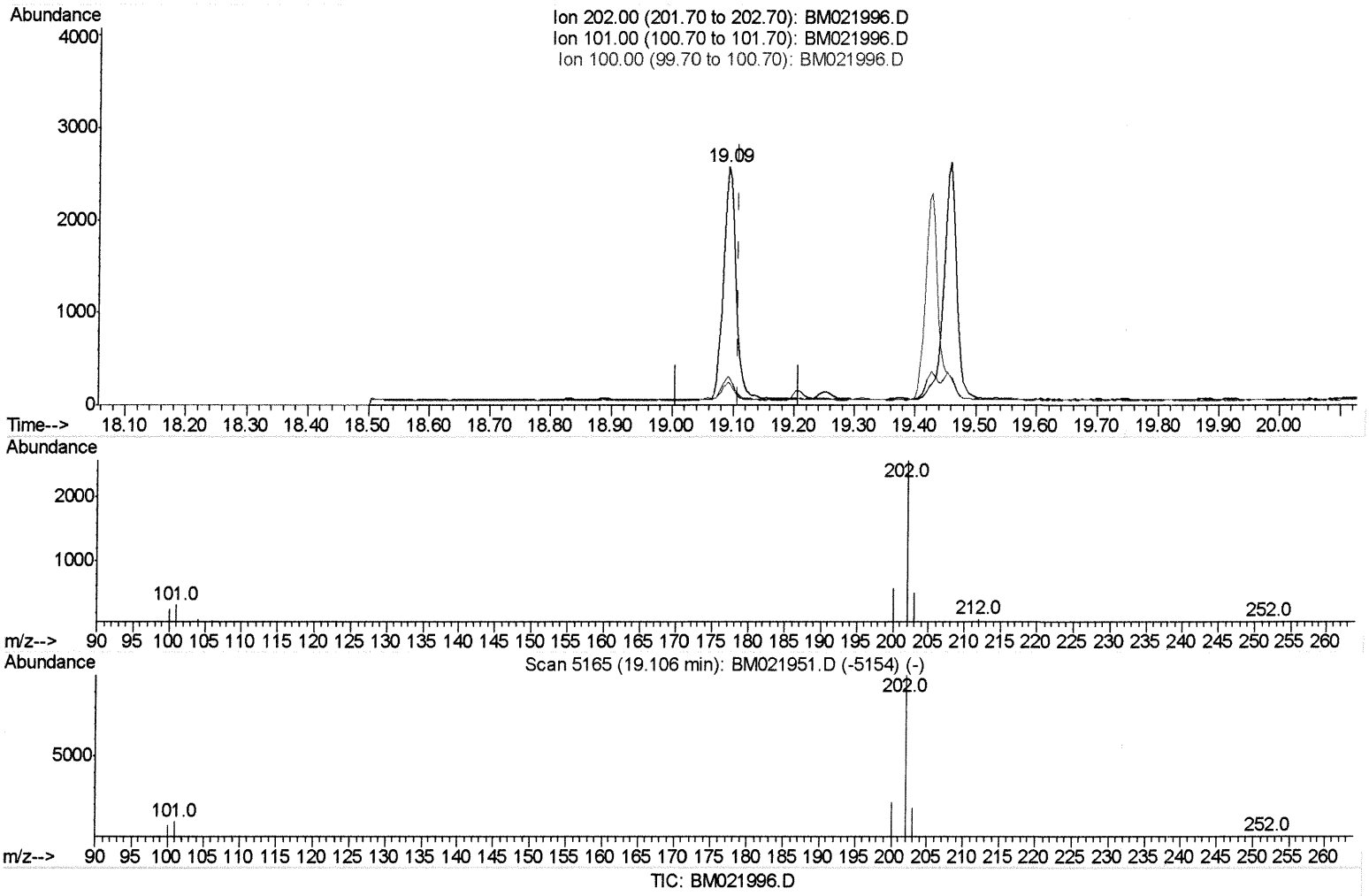
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 11 00:18:15 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM



TIC: BM021996.D

(15) Fluoranthene (C)

19.091min (-0.017) 0.32ng/ul m JU 08/12/19

response 3581

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	12.03
100.00	8.10	9.74
0.00	0.00	0.00

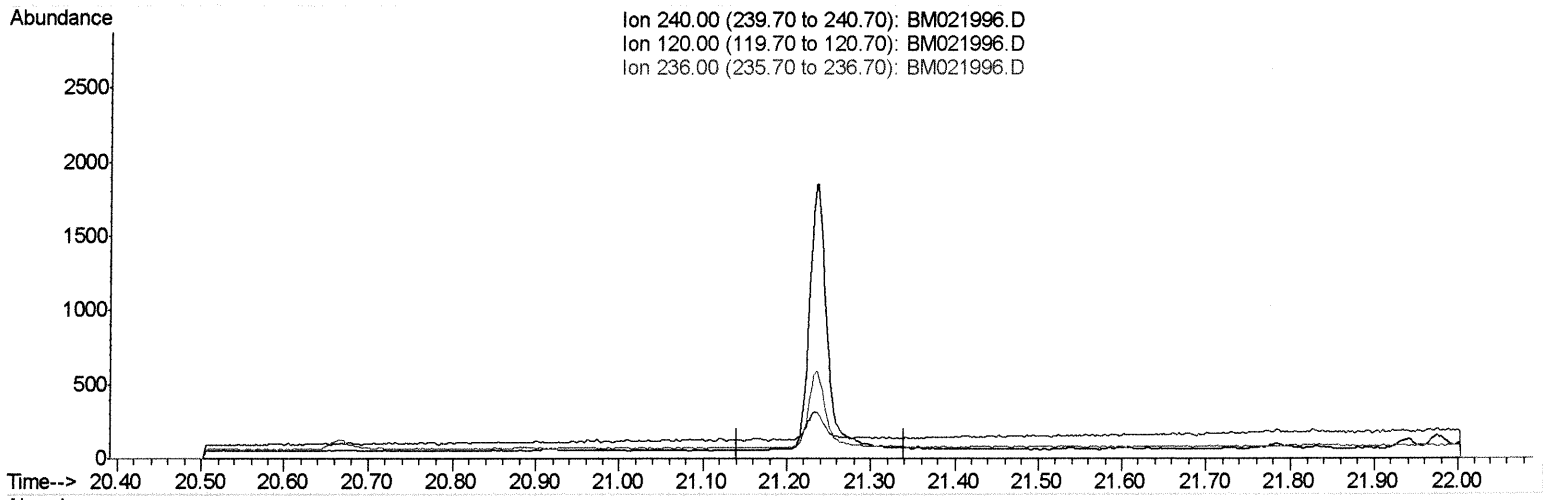
Quantitation Report (Qedit)

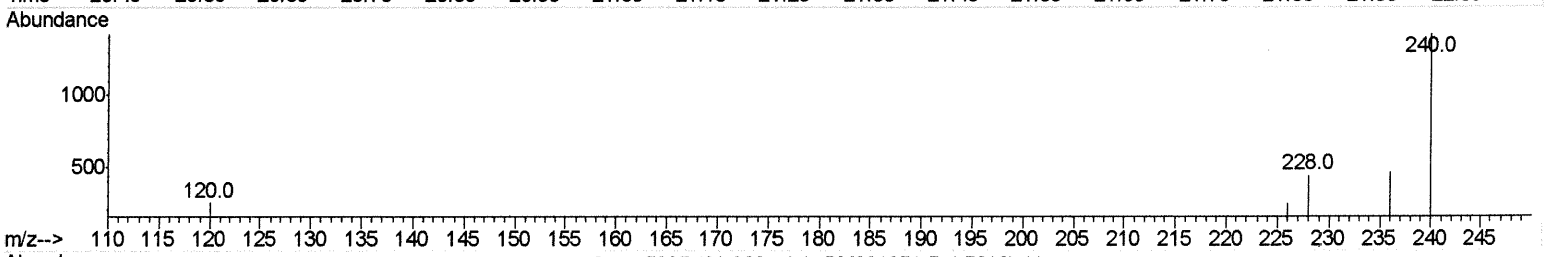
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

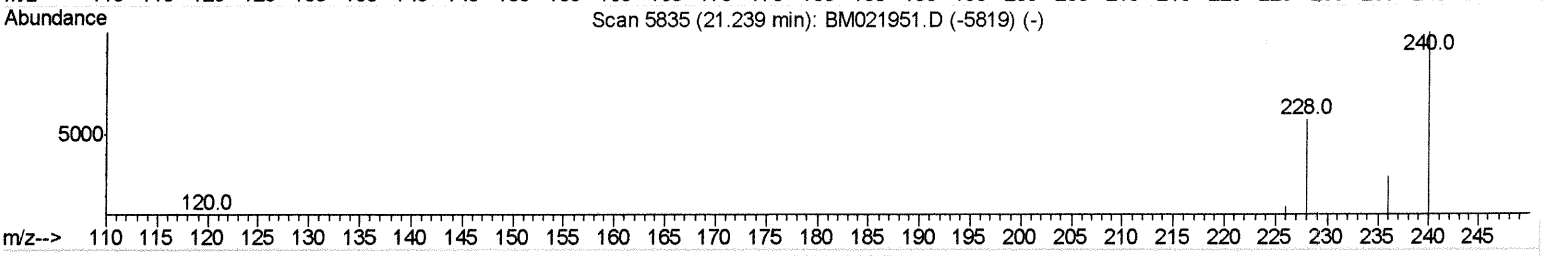
Quant Time: Aug 11 00:18:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







TIC: BM021996.D

(16) Chrysene-d12 (I)

21.241min (-21.241) 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

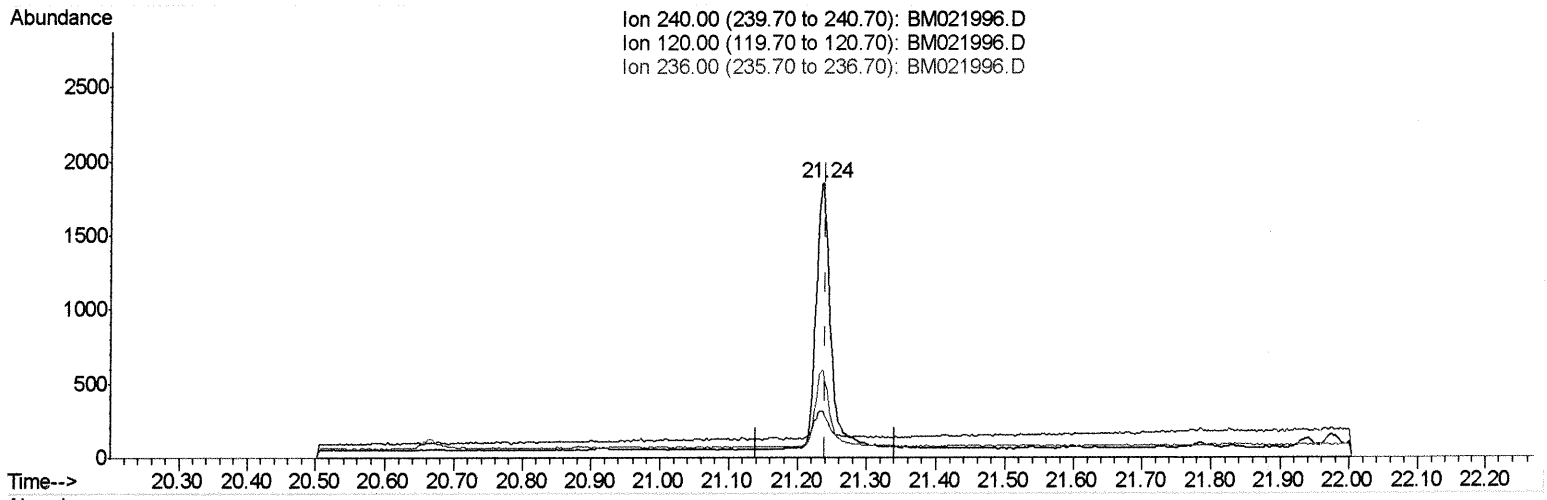
Quantitation Report (Qedit)

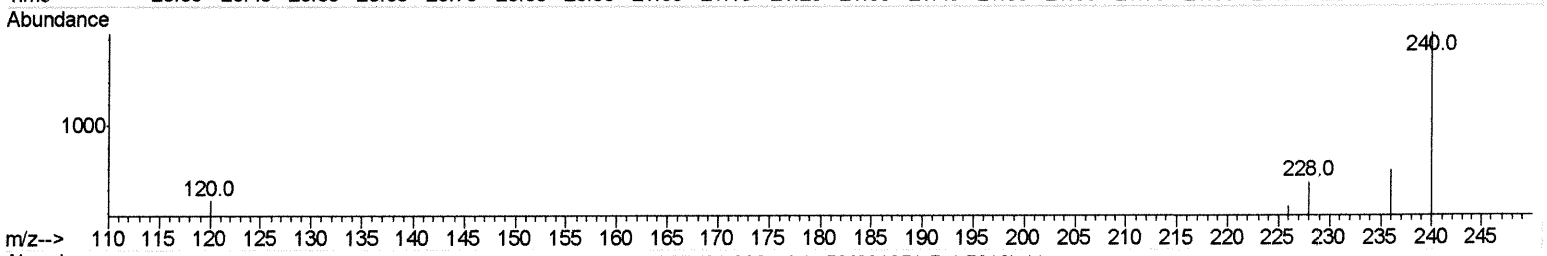
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

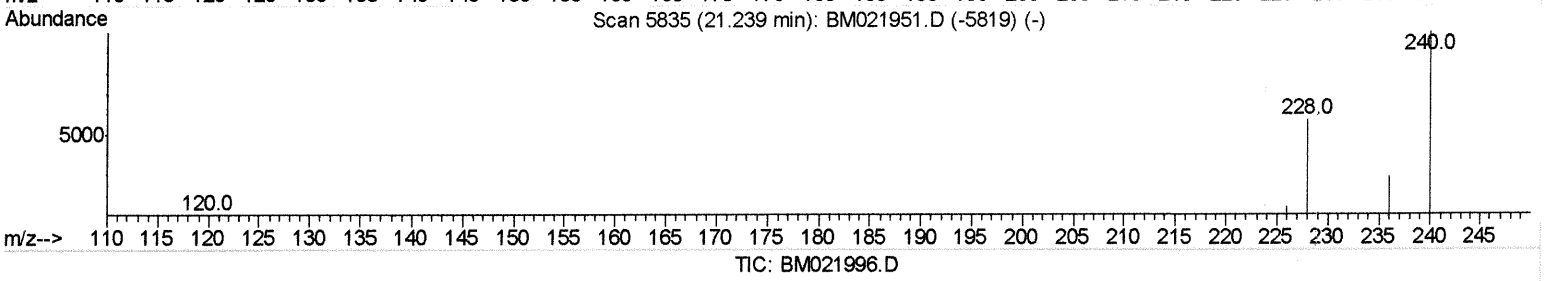
Quant Time: Aug 11 00:18:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







TIC: BM021996.D

(16) Chrysene-d12 (I)

21.236min (-0.005) 0.40ng/ul m JU 08/12/19

response 2493

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	16.83
236.00	32.30	31.93
0.00	0.00	0.00

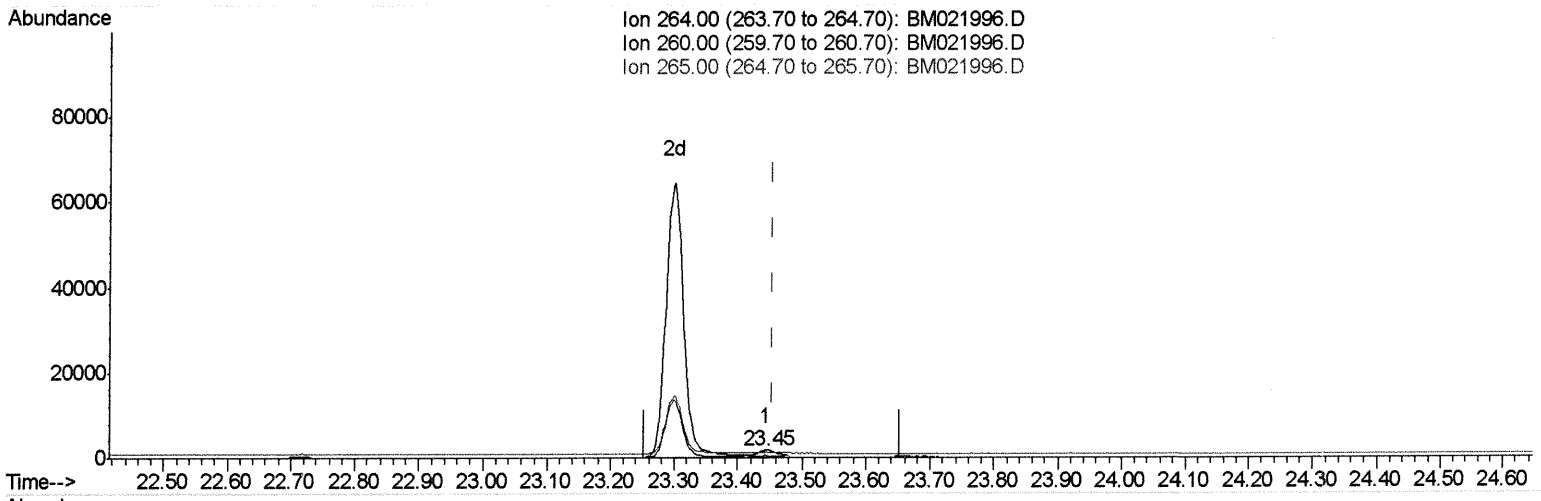
Quantitation Report (Qedit)

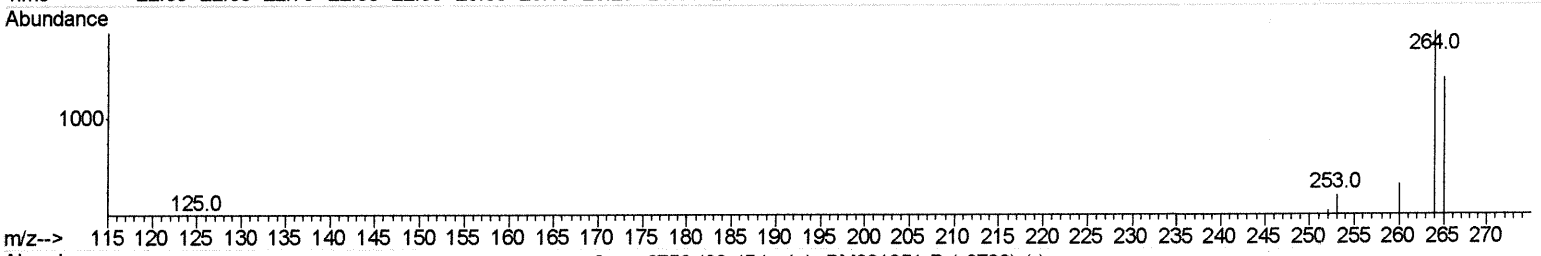
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

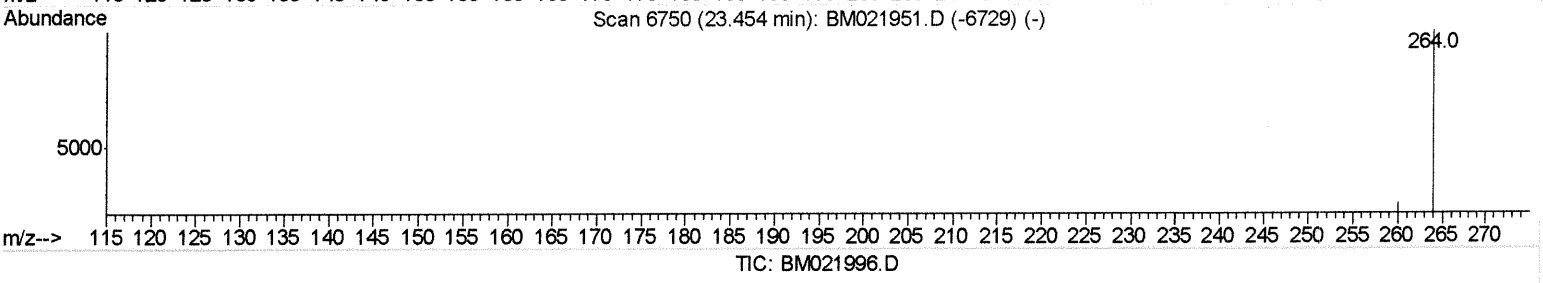
Quant Time: Aug 11 00:19:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







(20) Perylene-d12 (I)

23.445min (-0.010) 0.40ng/ul

response 4137

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.68
265.00	117.00	77.93#
0.00	0.00	0.00

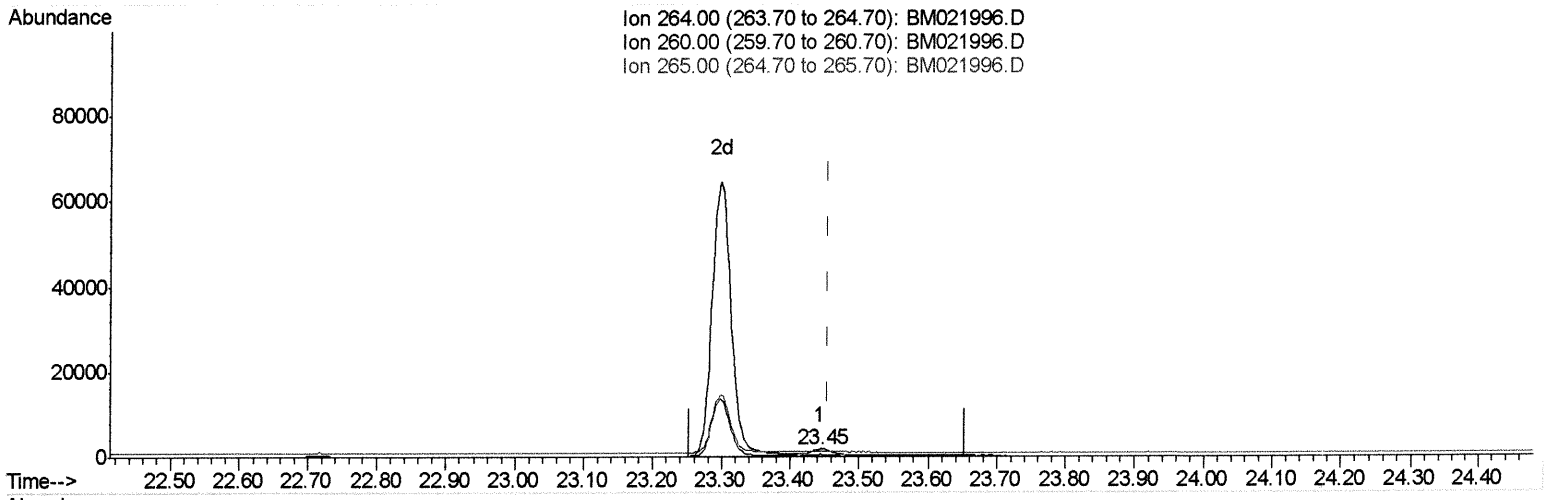
Quantitation Report (Qedit)

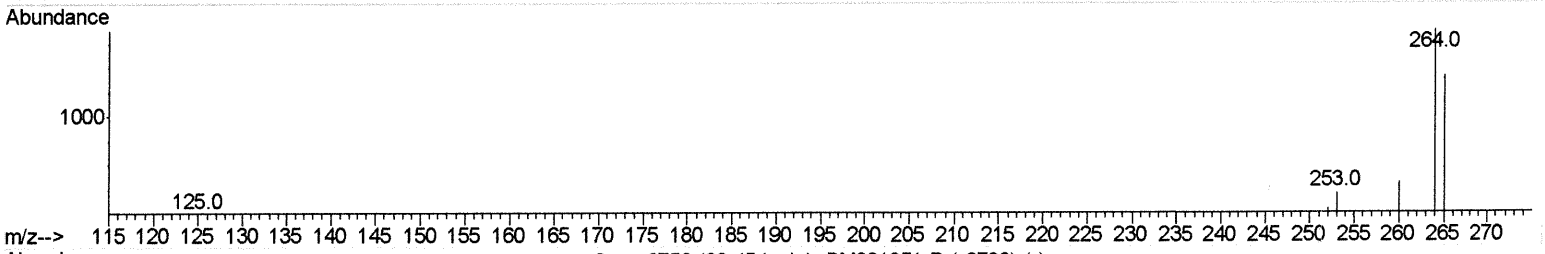
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

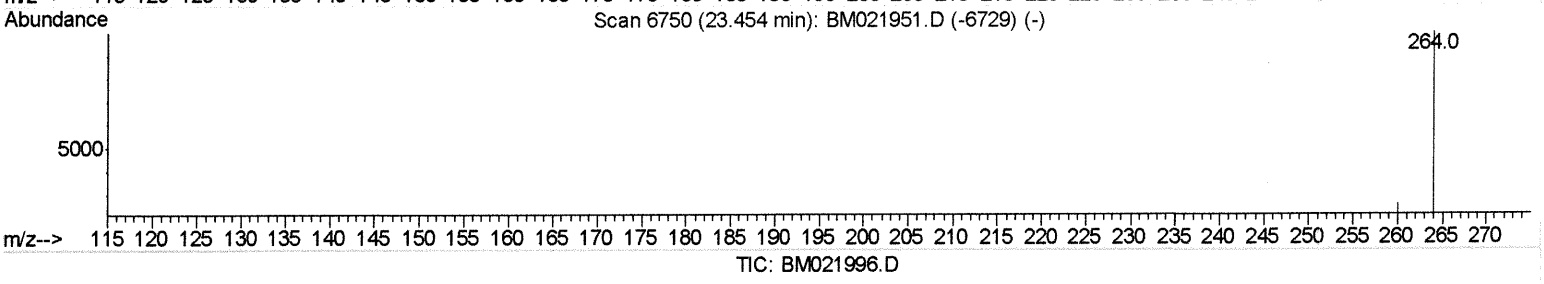
Quant Time: Aug 11 00:19:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







(20) Perylene-d12 (I)

23.445min (-0.010) 0.40ng/ul m JU 08/12/19

response 2225

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.68
265.00	117.00	77.93#
0.00	0.00	0.00

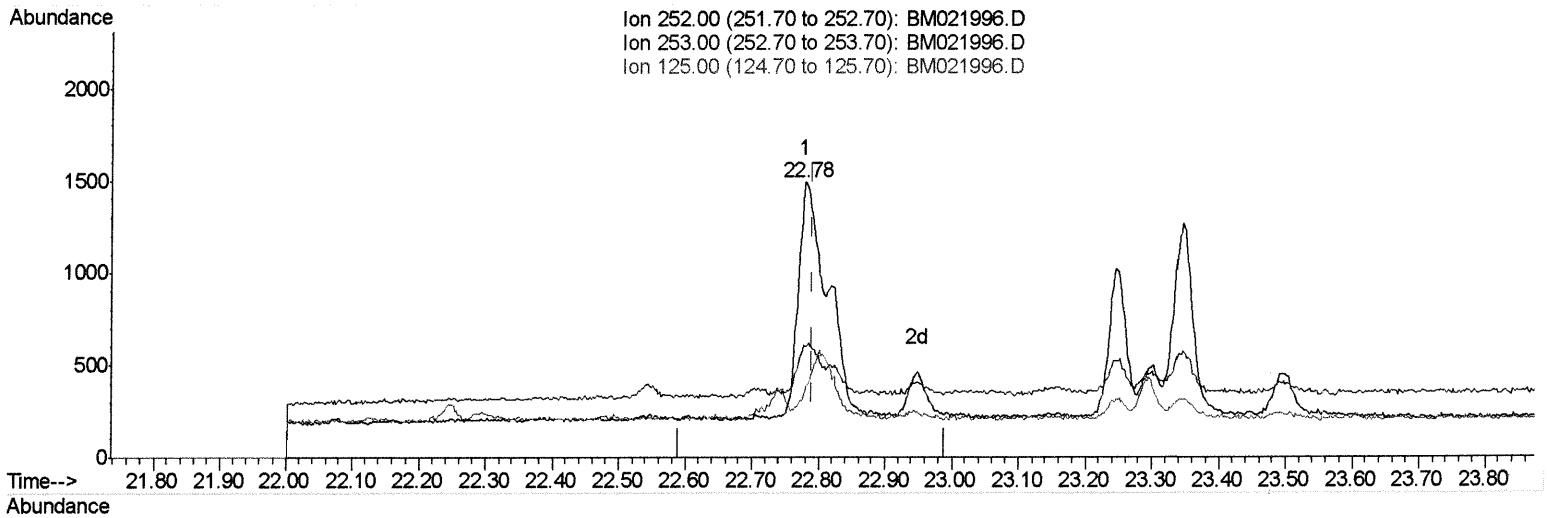
Quantitation Report (Qedit)

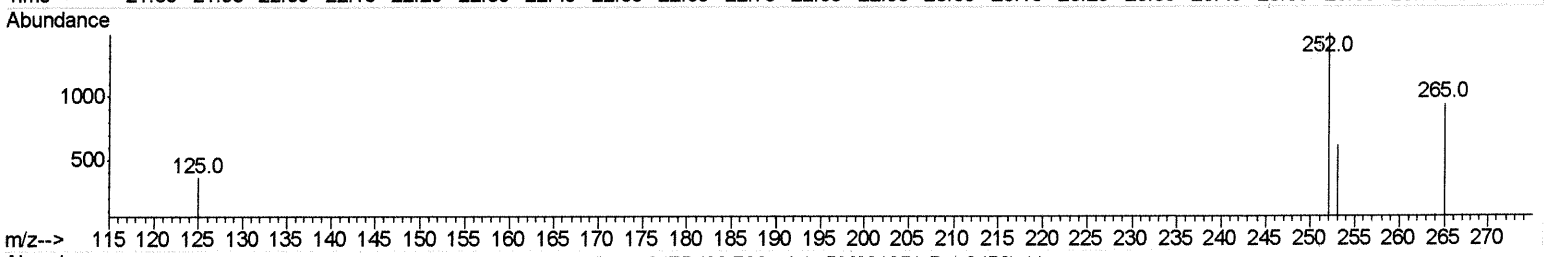
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

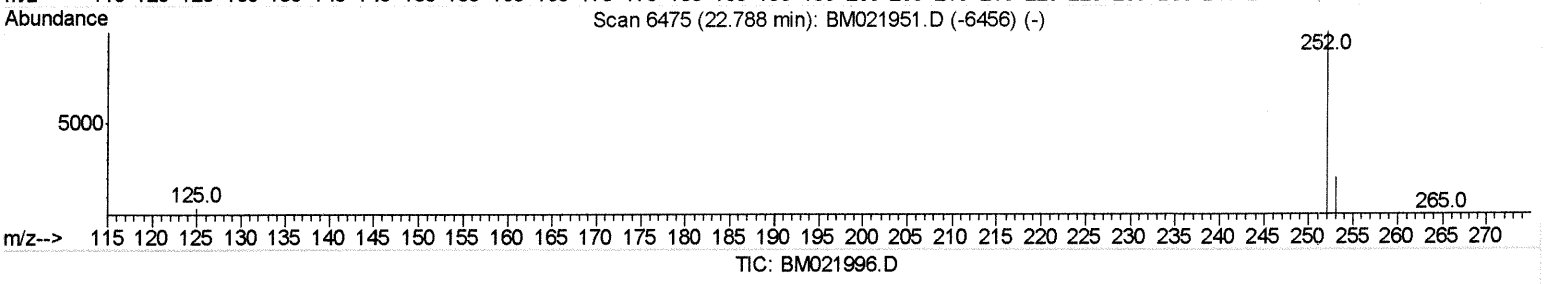
Quant Time: Aug 11 00:20:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







TIC: BM021996.D

(21) Benzo(b)fluoranthene

22.779min (-0.012) 0.52ng/ul

response 3930

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	40.67
125.00	15.50	24.16
0.00	0.00	0.00

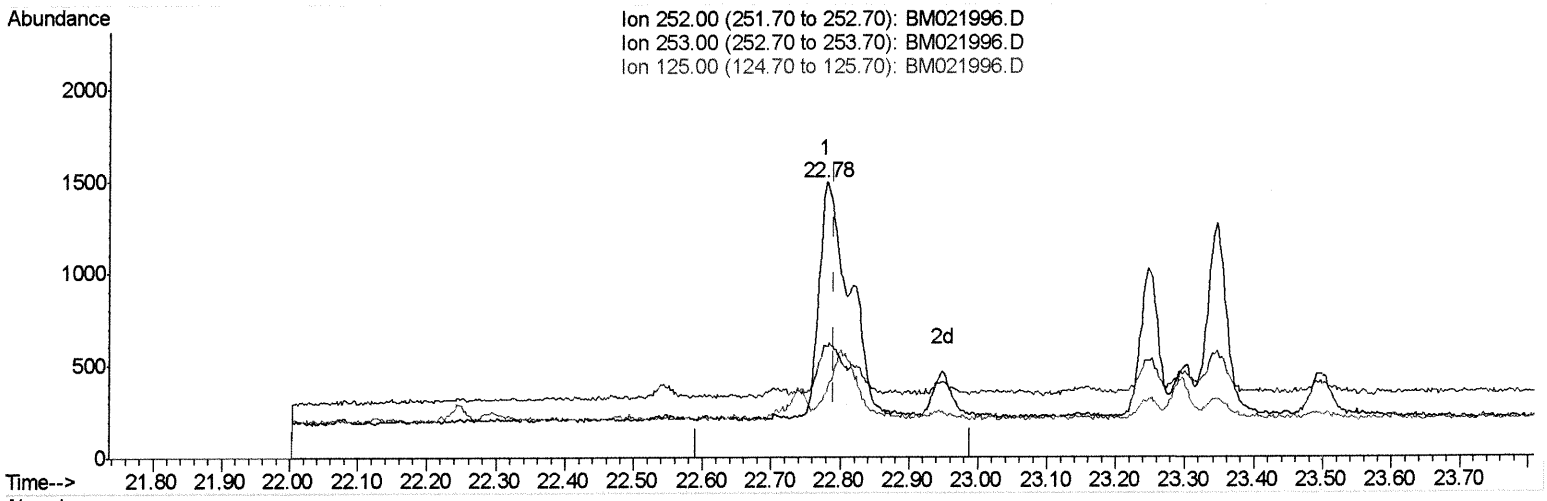
Quantitation Report (Qedit)

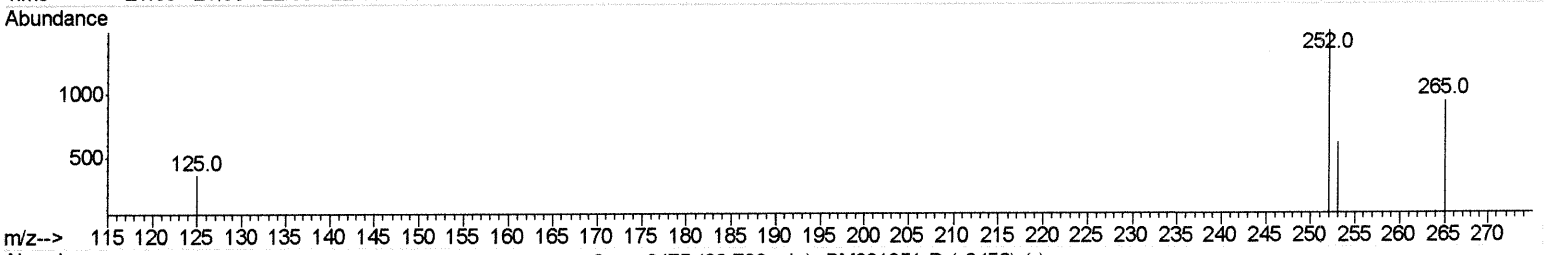
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

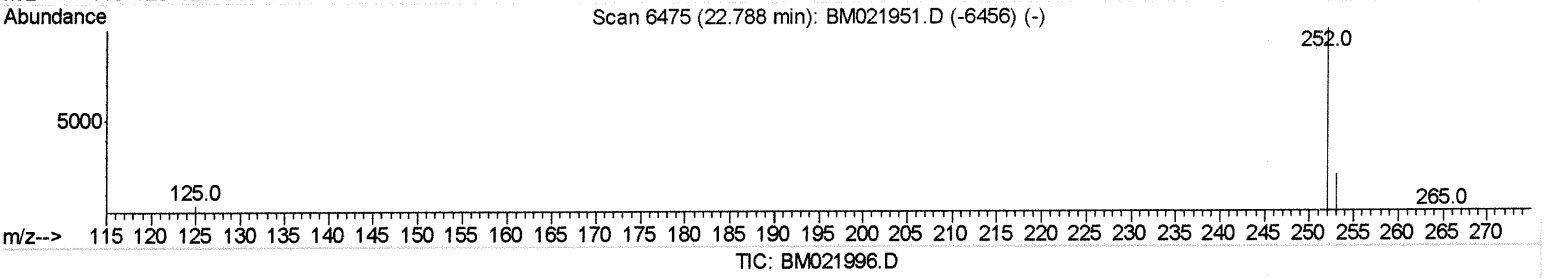
Quant Time: Aug 11 00:20:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
Sohil
8/13/2019 8:47:13 AM







TIC: BM021996.D

(21) Benzo(b)fluoranthene

22.779min (-0.012) 0.38ng/ul m JU 08/12/19

response 2817

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	40.67
125.00	15.50	24.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 11 00:20:12 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
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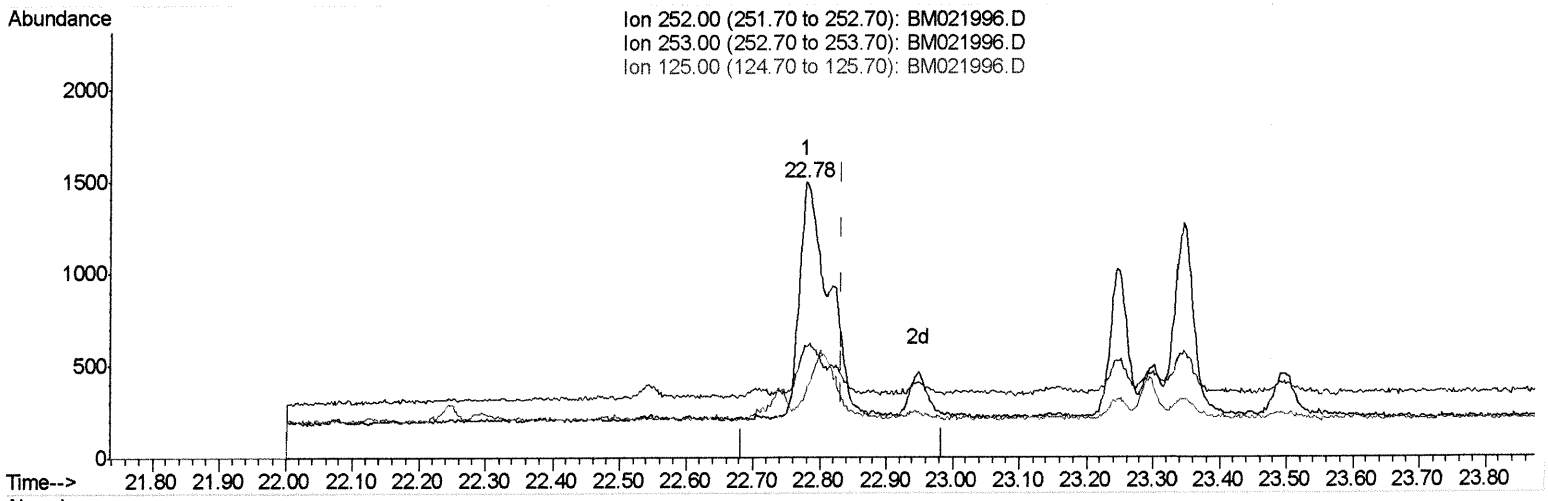

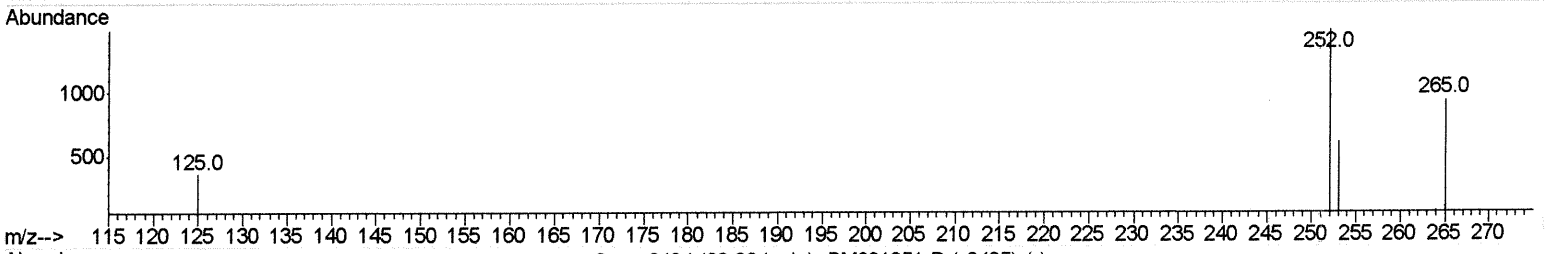

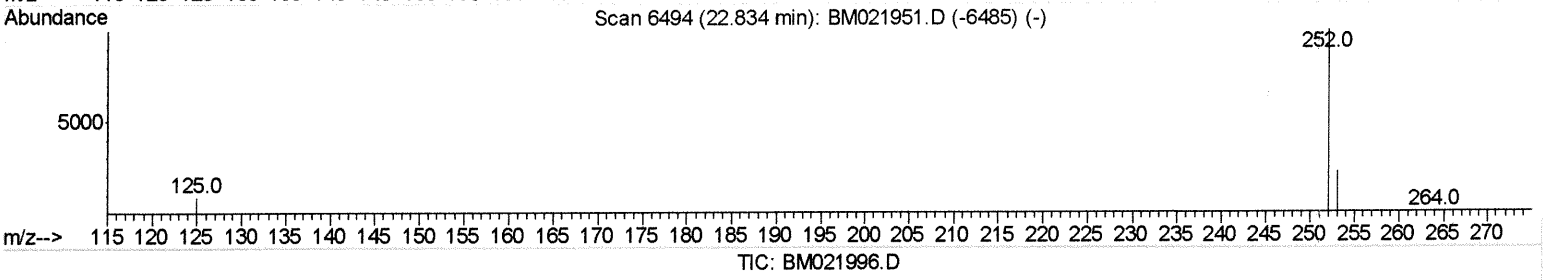

TIC: BM021996.D

(22) Benzo(k)fluoranthene

22.779min (-0.056) 0.46ng/ul

response 3930

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	40.67#
125.00	15.20	24.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 11 00:20:12 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENX1

Manual Integrations APPROVED
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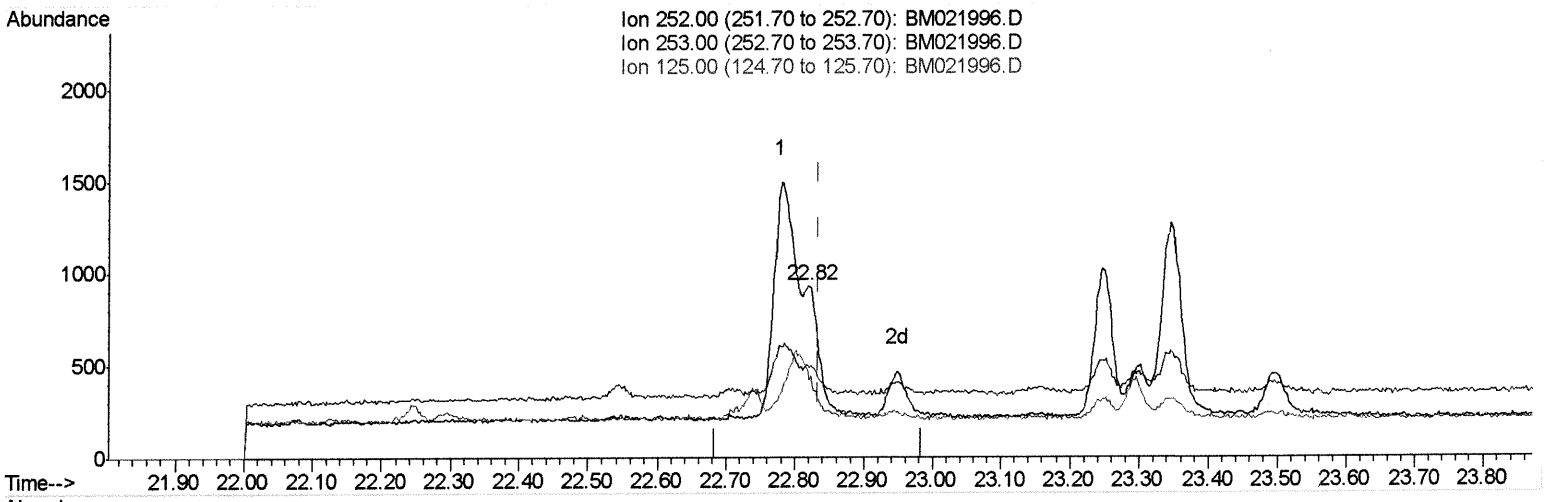
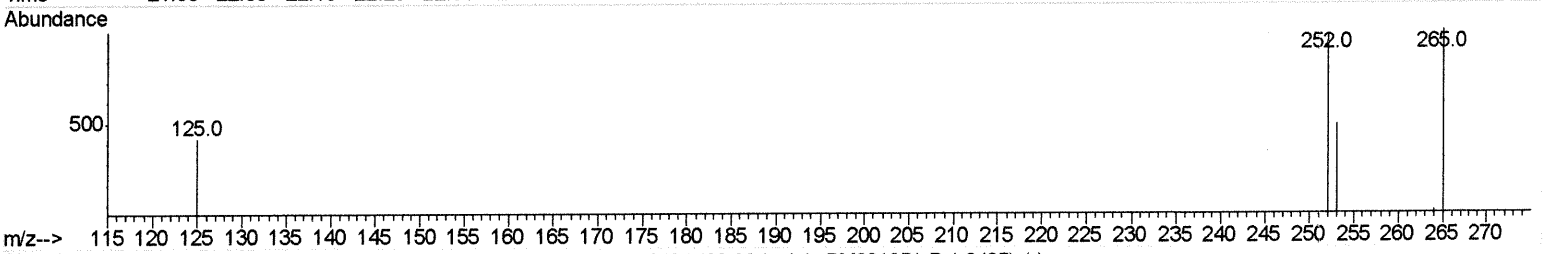
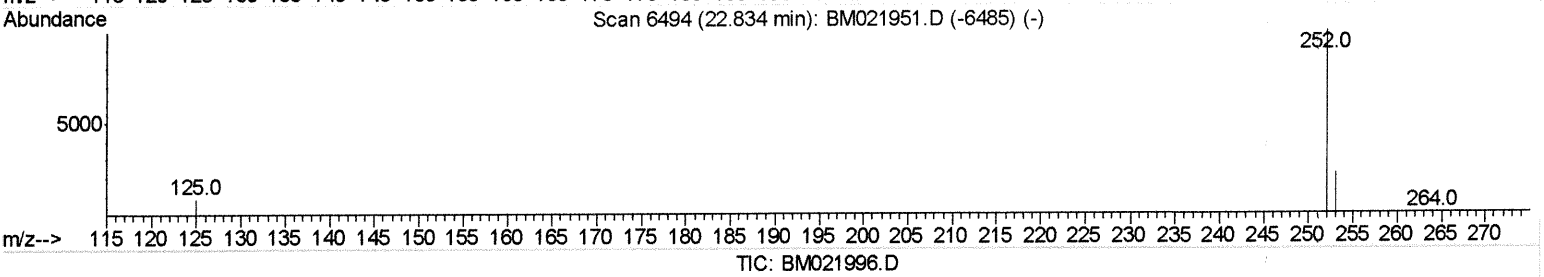
8/13/2019 8:47:13 AM







TIC: BM021996.D

(22) Benzo(k)fluoranthene

22.820min (-0.015) 0.15ng/ul m JU 08/12/19

response 1284

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	52.63#
125.00	15.20	45.44#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM021996.D
Acq On : 10 Aug 2019 12:39
Operator : HP/JU
Sample : K4041-18
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 11 00:20:54 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : BENX1

Manual Integrations APPROVED
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8/13/2019 8:47:13 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.62	152	563	0.40	ng/ul	-0.01	
2) Naphthalene-d8	10.39	136	2315	0.40	ng/ul	-0.02	
6) Acenaphthene-d10	14.27	164	1234	0.40	ng/ul	-0.01	
10) Phenanthrene-d10	17.02	188	2906m)	0.40	ng/ul	-0.02	JU 08/12/19
16) Chrysene-d12	21.24	240	2493m)	0.40	ng/ul	0.00	
20) Perylene-d12	23.45	264	2225m)	0.40	ng/ul	0.00	
System Monitoring Compounds							
4) 2-Methylnaphthalene-d10	12.02	152	629	0.16	ng/ul	0.00	
14) Fluoranthene-d10	19.06	212	1731m)	0.18	ng/ul	-0.02	JU 08/12/19
Target Compounds						Qvalue	
7) Acenaphthylene	13.99	152	252	0.044	ng/ul#	64	
12) Phenanthrene	17.06	178	1572	0.186	ng/ul	94	
13) Anthracene	17.16	178	387m)	0.054	ng/ul		
15) Fluoranthene	19.09	202	3581m)	0.316	ng/ul		
17) Pyrene	19.46	202	3844	0.375	ng/ul#	94	JU 08/12/19
18) Benzo(a)anthracene	21.22	228	1968	0.221	ng/ul	93	
19) Chrysene	21.27	228	2069	0.180	ng/ul	94	
21) Benzo(b)fluoranthene	22.78	252	2817m)	0.375	ng/ul		
22) Benzo(k)fluoranthene	22.82	252	1284m)	0.151	ng/ul		
23) Benzo(a)pyrene	23.35	252	2021	0.265	ng/ul#	89	
24) Indeno(1,2,3-cd)pyrene	25.67	276	1379	0.151	ng/ul#	100	
25) Dibenzo(a,h)anthracene	25.67	278	338	0.046	ng/ul#	1	
26) Benzo(g,h,i)perylene	26.35	276	1399	0.171	ng/ul#	78	

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