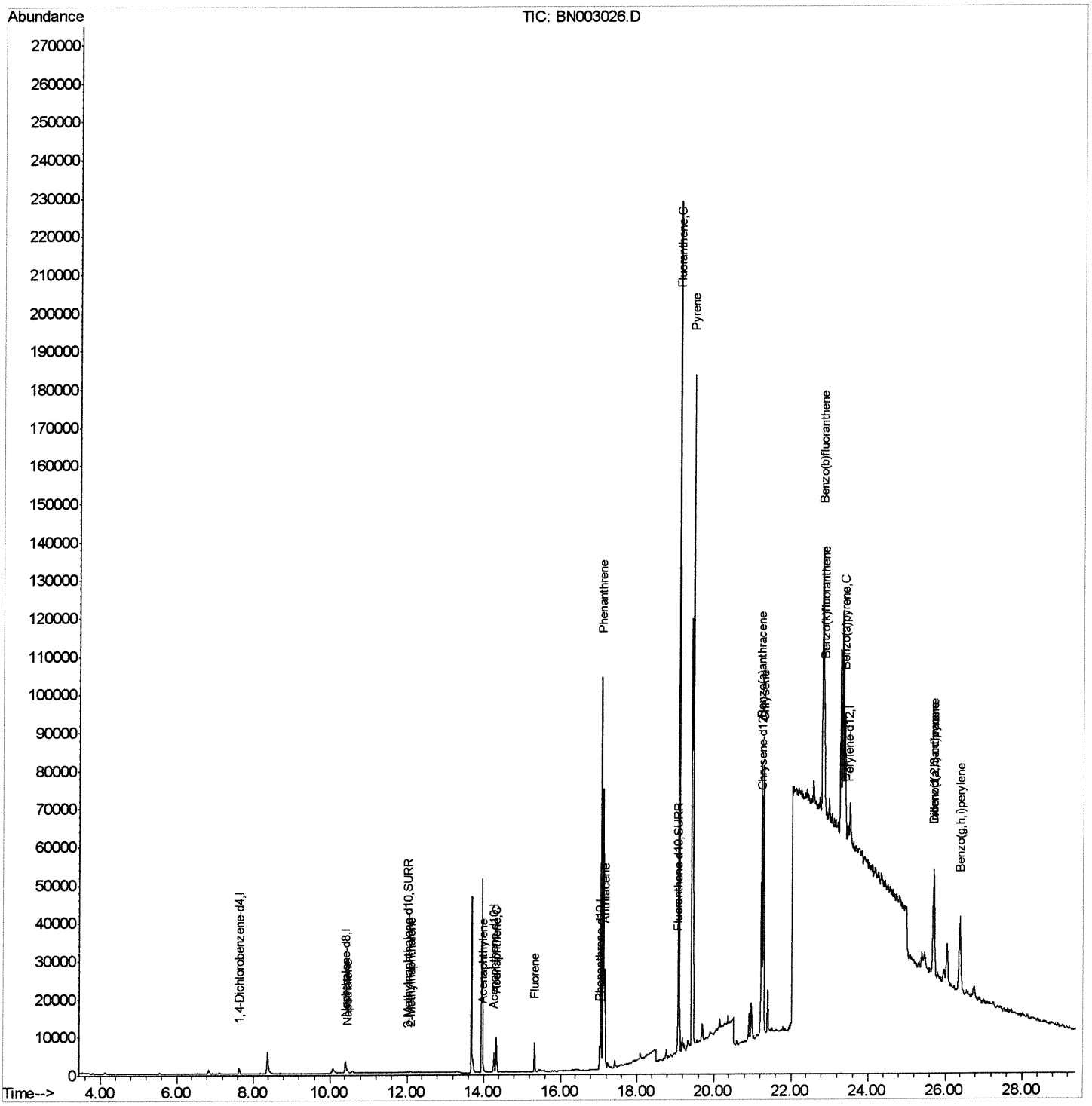
Instrument :
BNA_N
ClientSampleId :
JLC57DL

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:47:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration



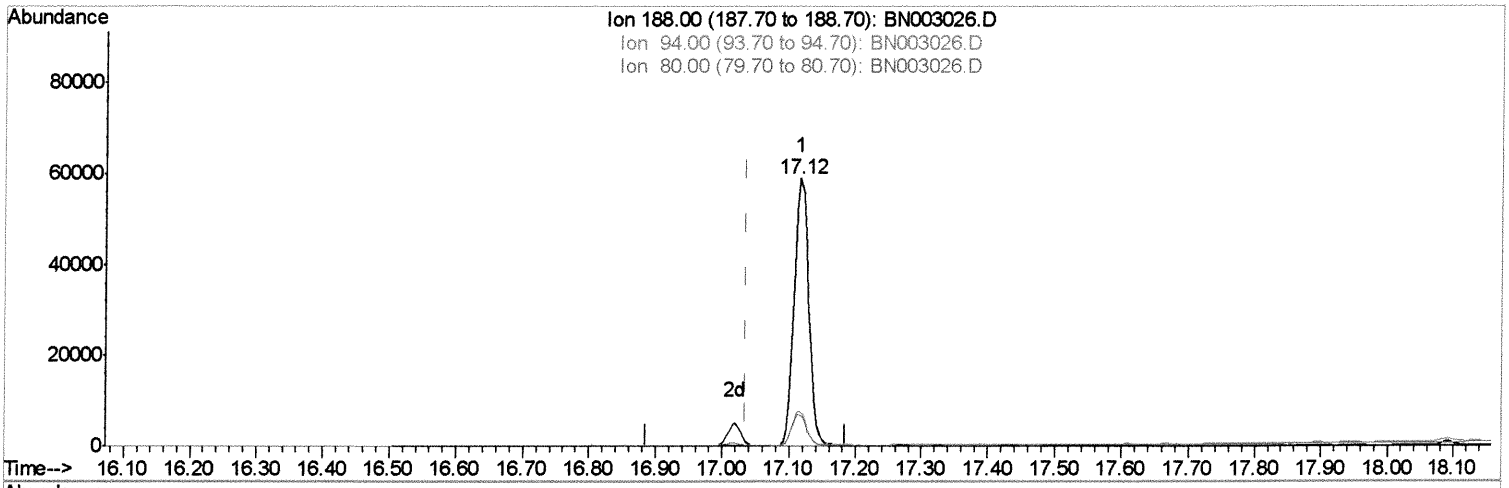
Quantitation Report (Qedit)

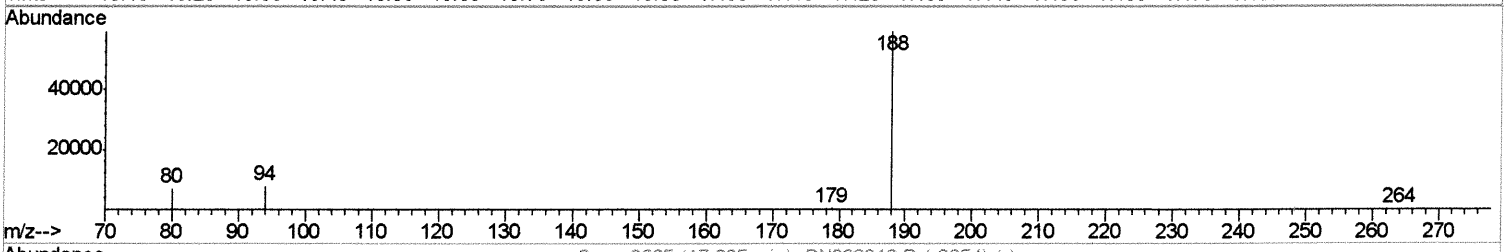
Instrument : BNA_N
ClientSampleId : JLC57DL

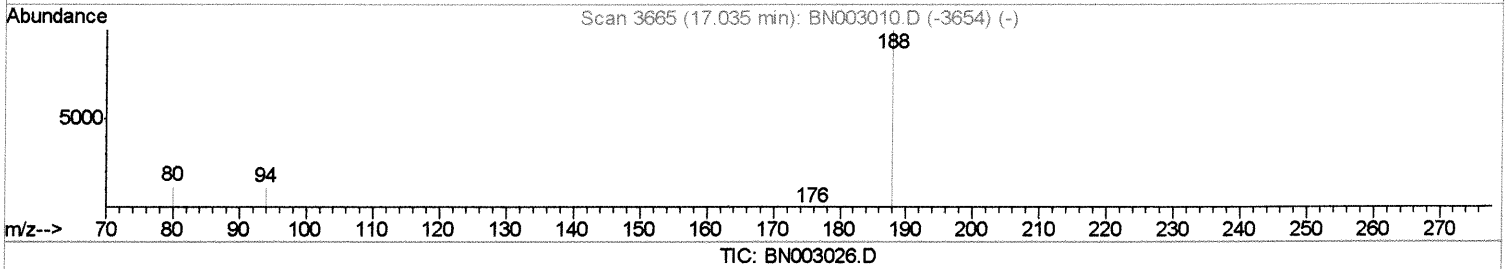
Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:41:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration







TIC: BN003026.D

(10) Phenanthrene-d10 (I)

17.116min (+0.080) 0.40ng/ul

response 89315

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	13.27
80.00	12.70	12.04
0.00	0.00	0.00

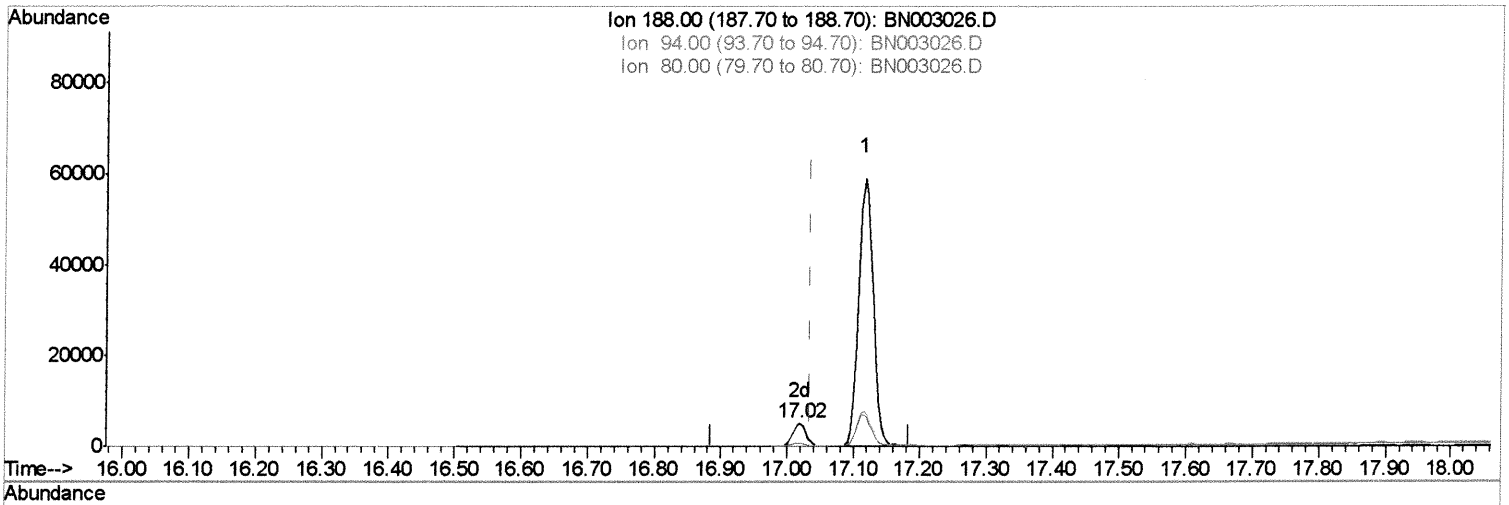
Quantitation Report (Qedit)

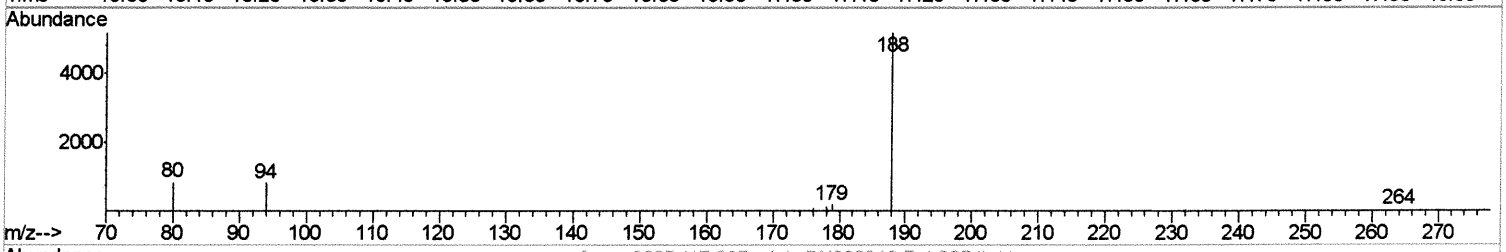
Instrument : BNA_N
ClientSampleId : JLC57DL

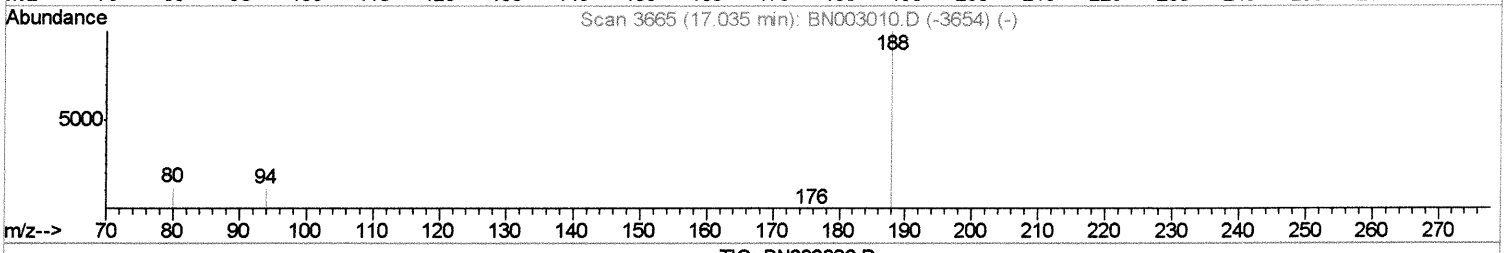
Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:41:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration







TIC: BN003026.D

(10) Phenanthrene-d10 (I)

17.019min (-0.017) 0.40ng/ul m SJ 10/10/18

response 7430

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	16.58#
80.00	12.70	16.87#
0.00	0.00	0.00

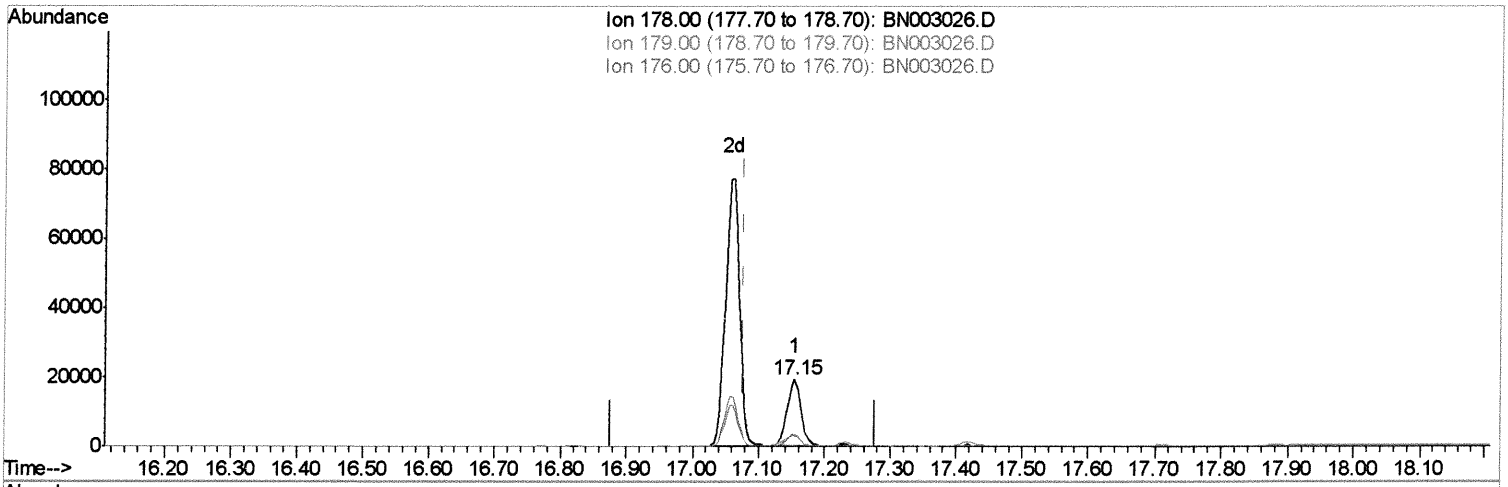
Quantitation Report (Qedit)

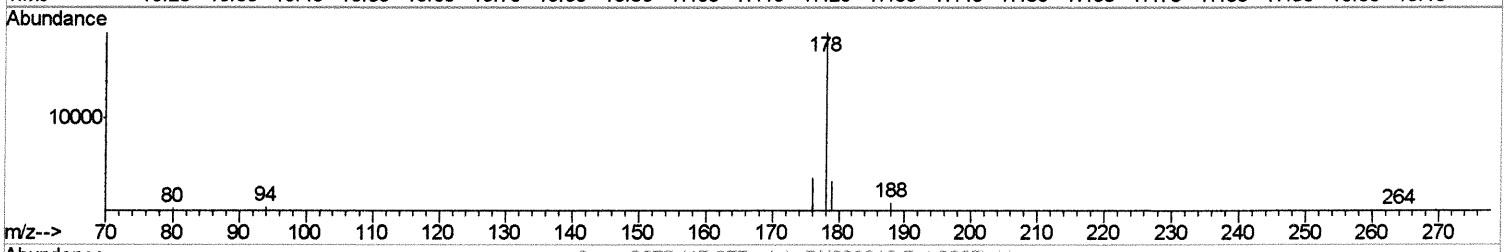
Instrument : BNA_N
ClientSampleId : JLC57DL

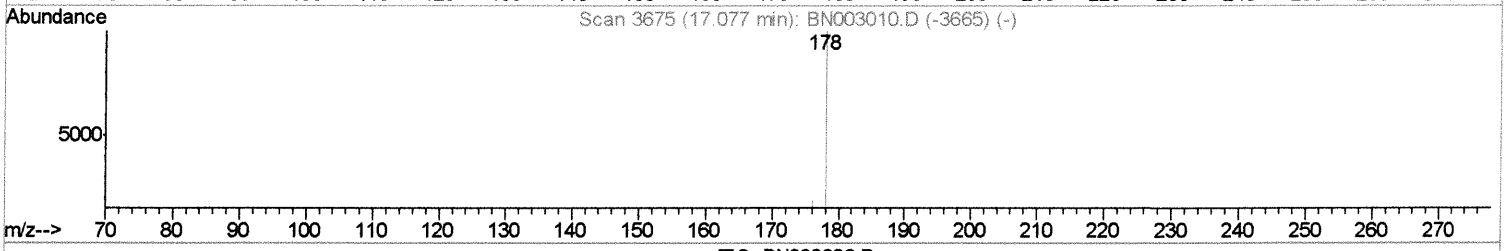
Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration







TIC: BN003026.D

(12) Phenanthrene

17.154min (+0.076) 1.34ng/ul

response 27825

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	16.96
176.00	19.30	18.51
0.00	0.00	0.00

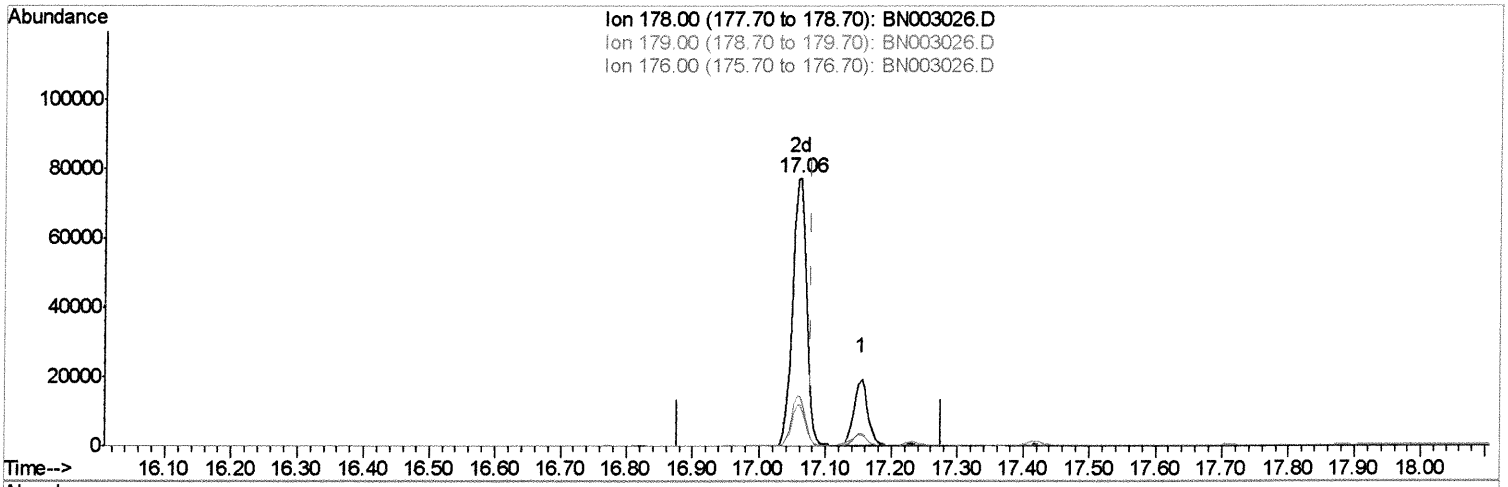
Quantitation Report (Qedit)

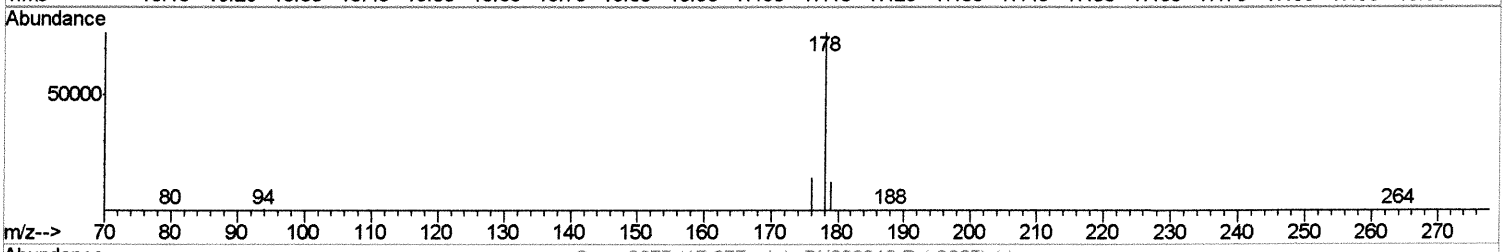
Instrument :
BNA_N
ClientSampleId :
JLC57DL

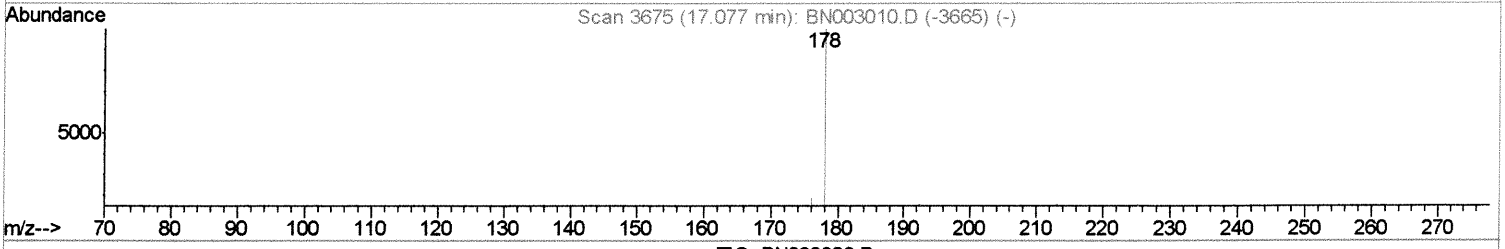
Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration







TIC: BN003026.D

(12) Phenanthrene

17.061min (-0.017) 5.47ng/ul m SJ 10/10/18

response 113197

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	15.52
176.00	19.30	18.65
0.00	0.00	0.00

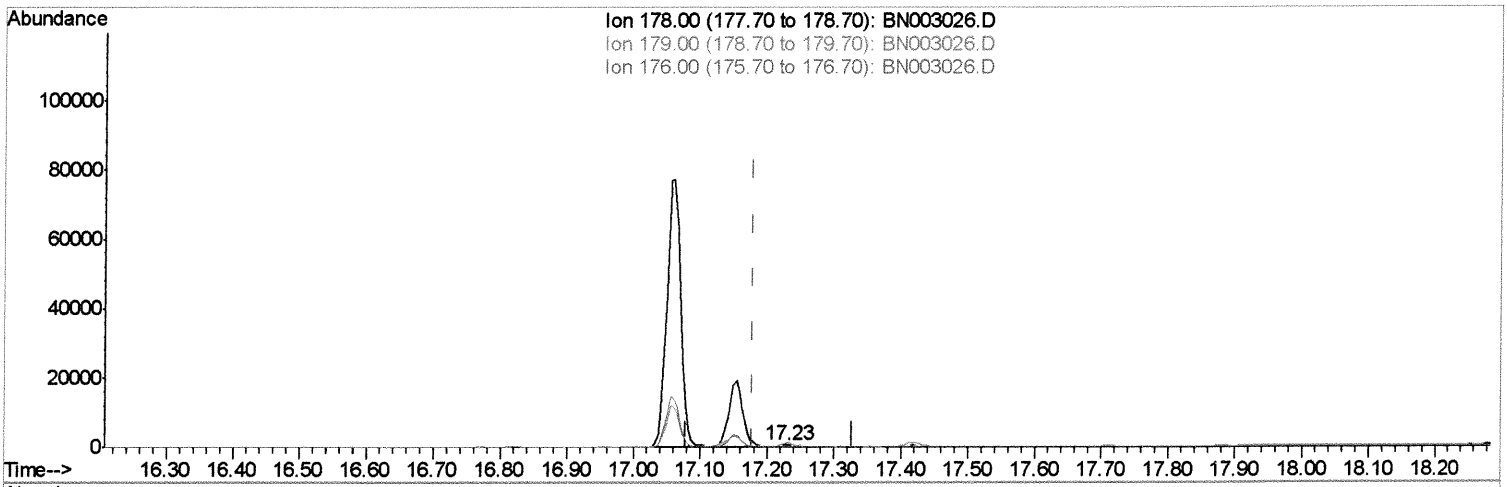
Quantitation Report (Qedit)

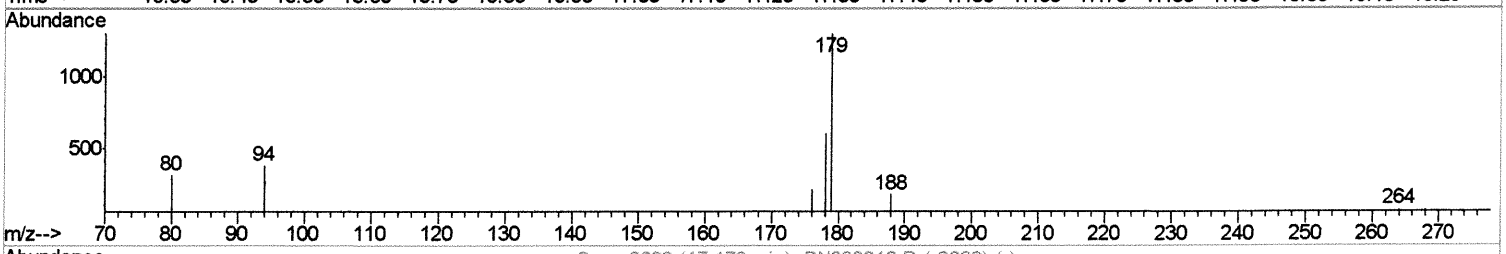
Instrument : BNA_N
ClientSampleId : JLC57DL

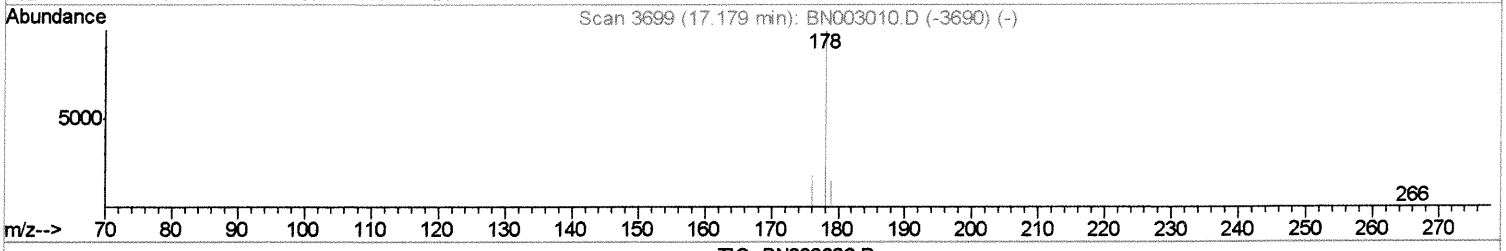
Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration







TIC: BN003026.D

(13) Anthracene

17.230min (+0.051) 0.03ng/ul

response 655

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	216.47#
176.00	19.10	34.28#
0.00	0.00	0.00

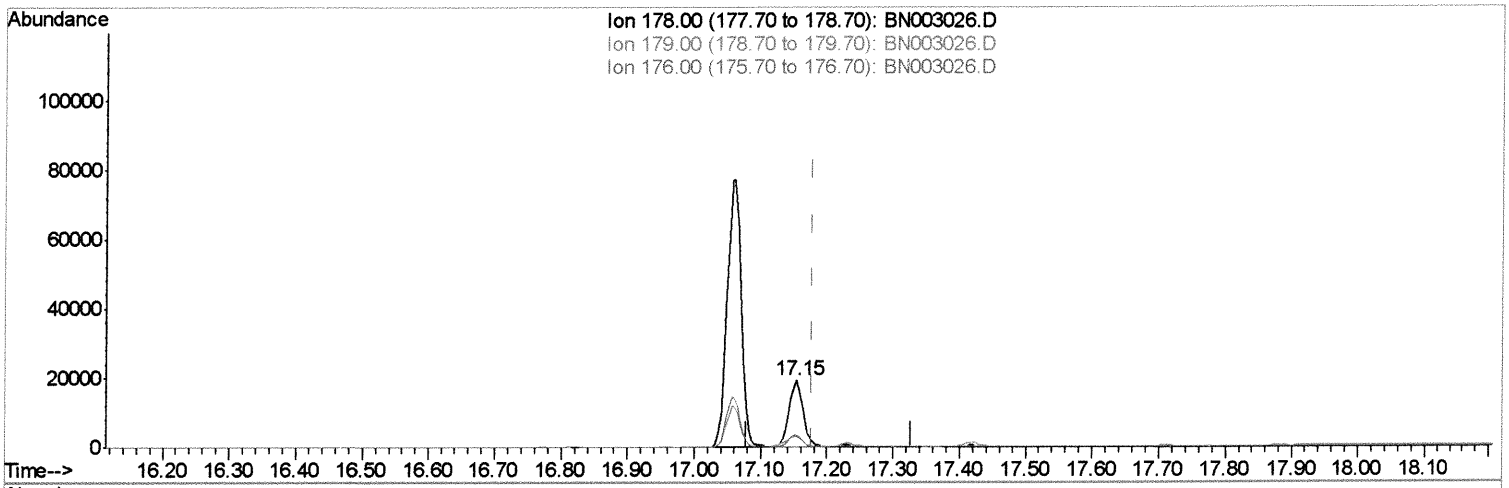
Quantitation Report (Qedit)

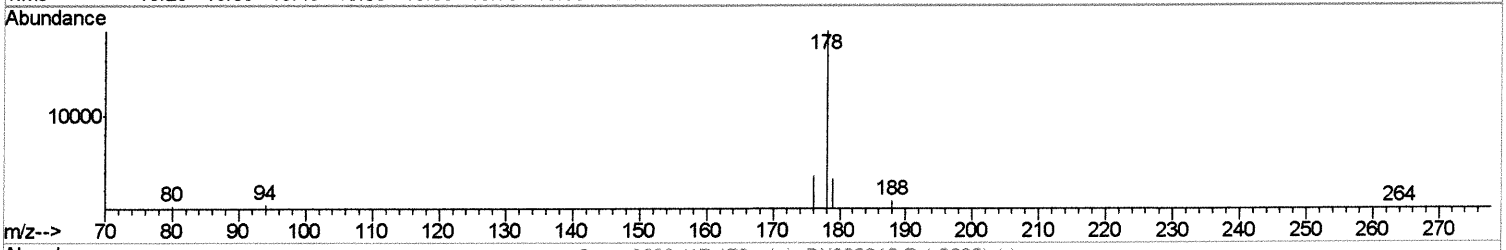
Instrument : BNA_N
ClientSampleId : JLC57DL

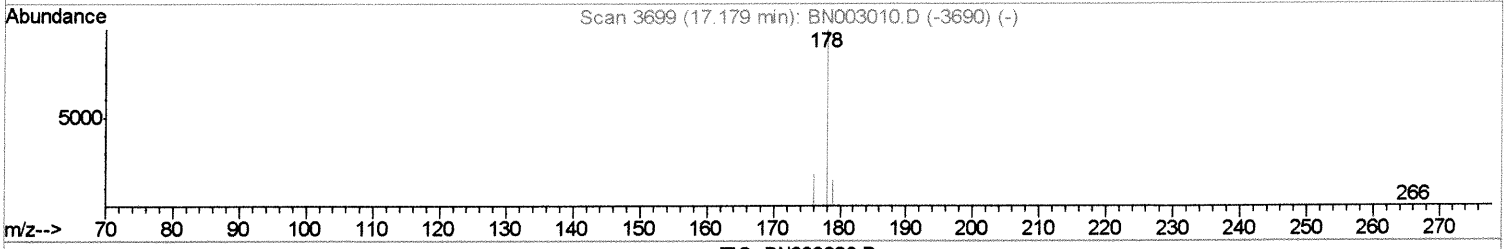
Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration







TIC: BN003026.D

(13) Anthracene

17.154min (-0.025) 1.47ng/ul m SJ 10/10/18

response 28786

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	16.96
176.00	19.10	18.51
0.00	0.00	0.00

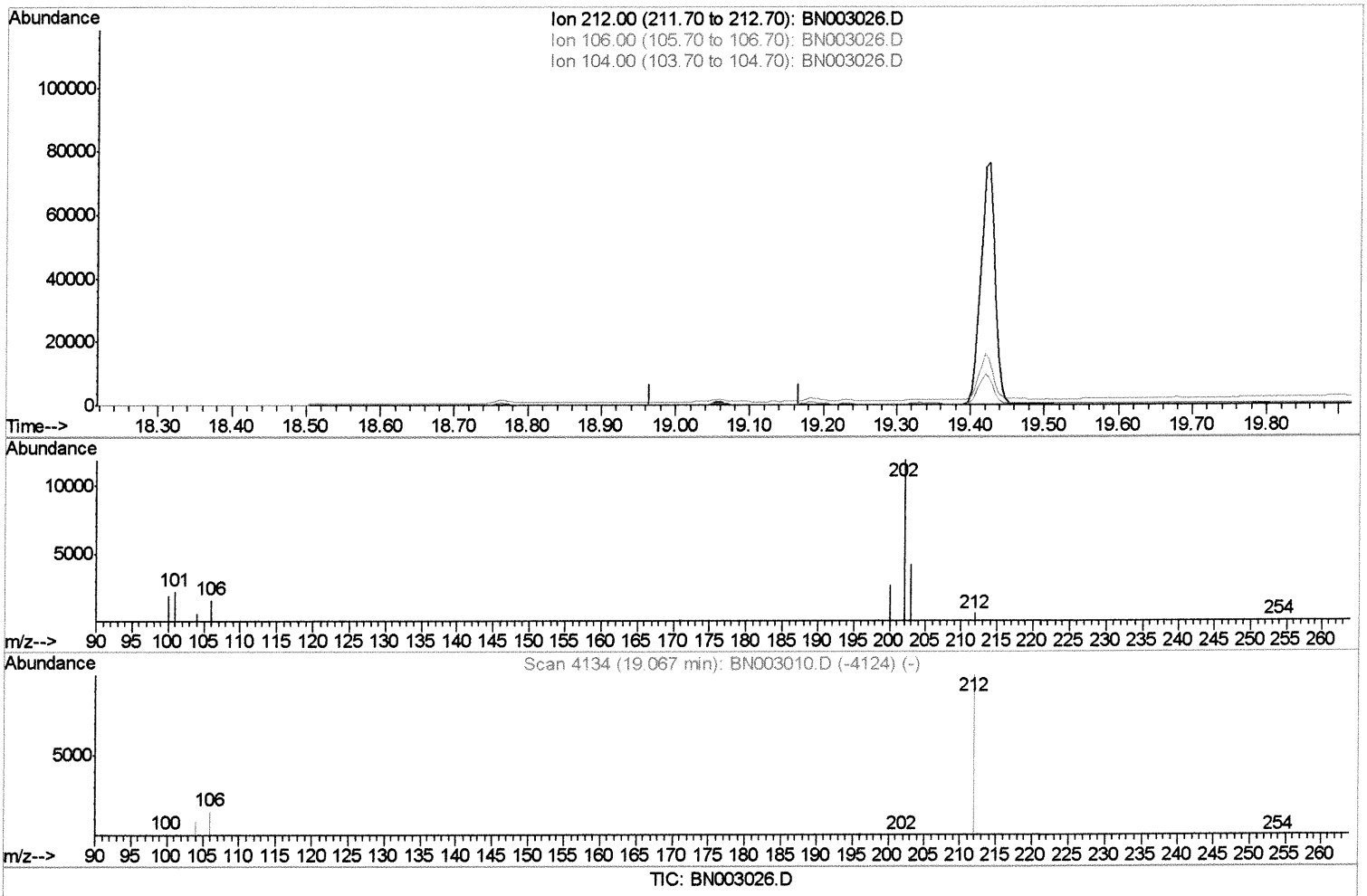
Instrument :
BNA_N
ClientSampleId :
JLC57DL

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration



TIC: BN003026.D

(14) Fluoranthene-d10 (SURR)

19.067min (-19.067) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	15.40	0.00#
104.00	8.60	0.00#
0.00	0.00	0.00

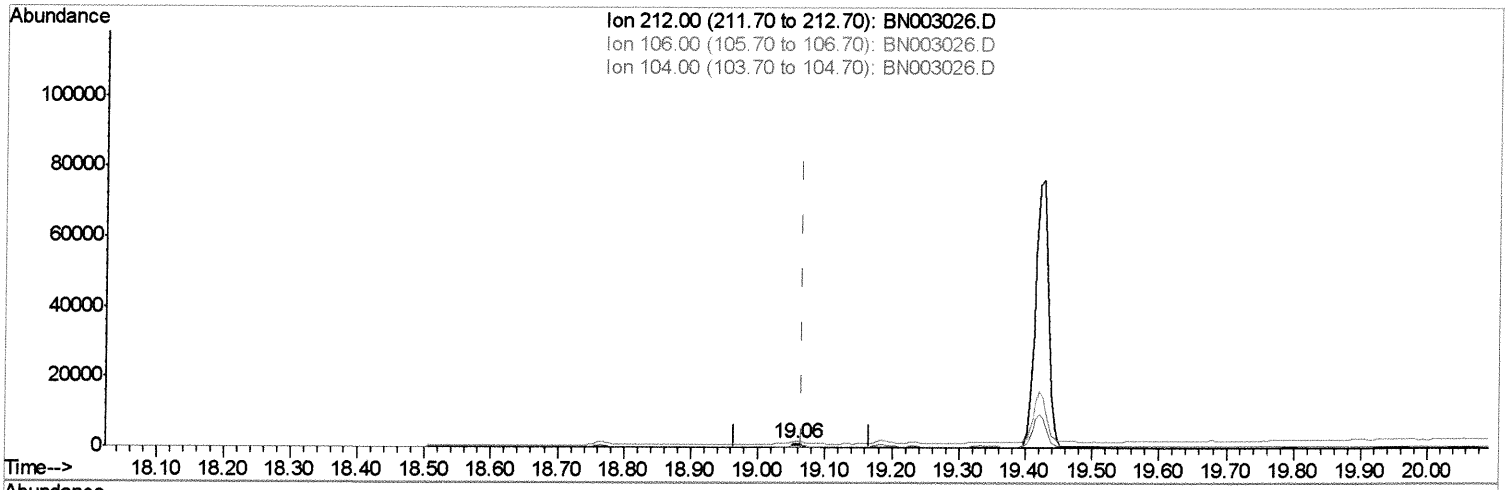
Quantitation Report (Qedit)

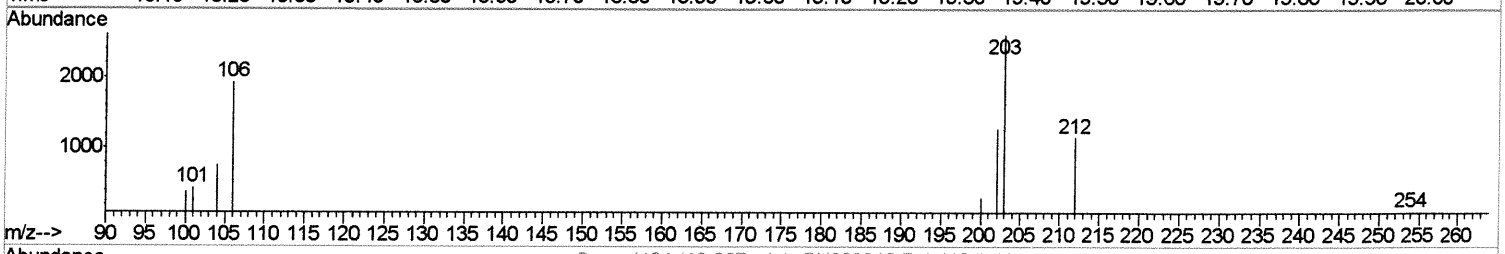
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

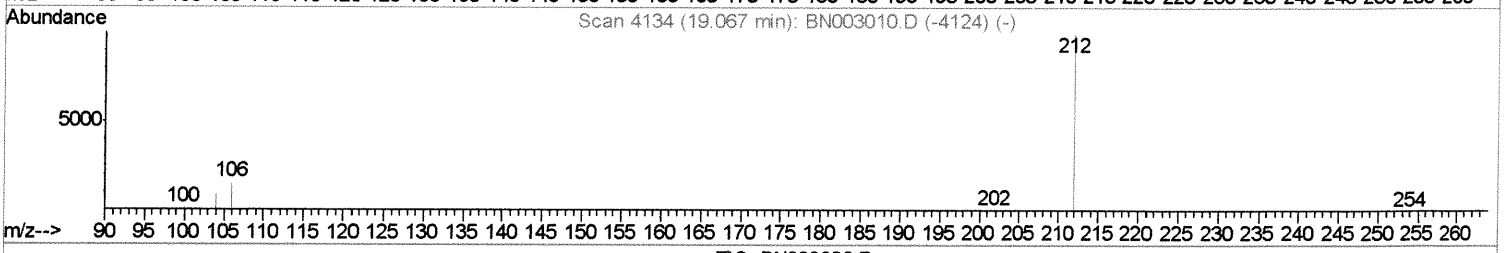
Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC57DL

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM







TIC: BN003026.D

(14) Fluoranthene-d10 (SURR)

19.058min (-0.009) 0.07ng/ul m SJ 10/10/18

response 1454

Ion	Exp%	Act%
212.00	100	100
106.00	15.40	0.00#
104.00	8.60	0.00#
0.00	0.00	0.00

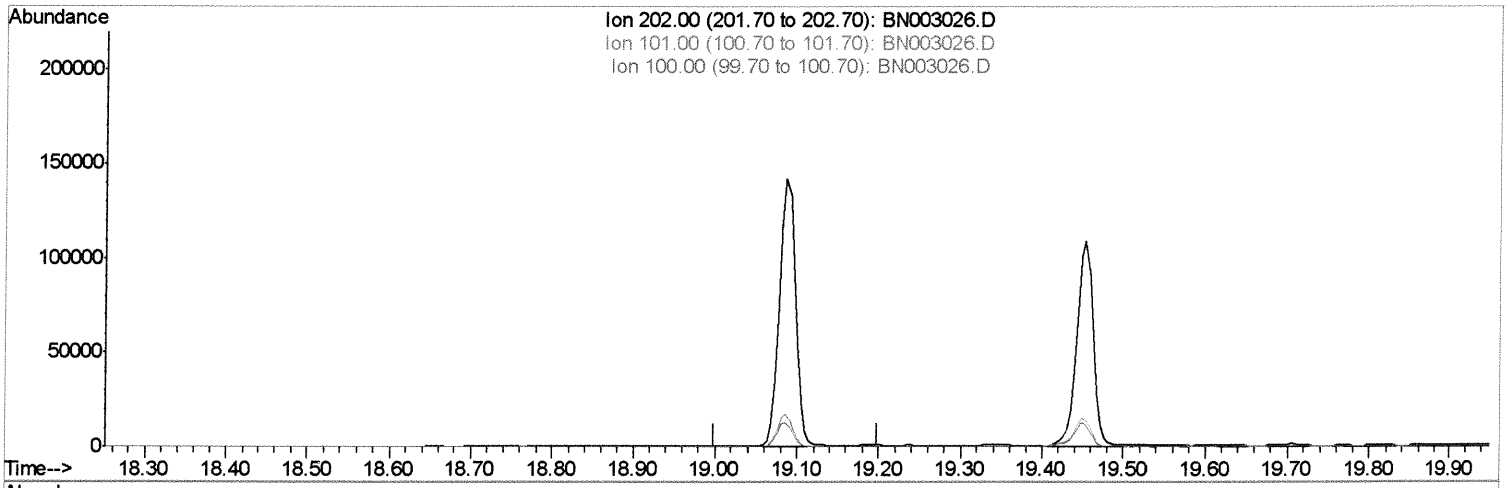
Quantitation Report (Qedit)

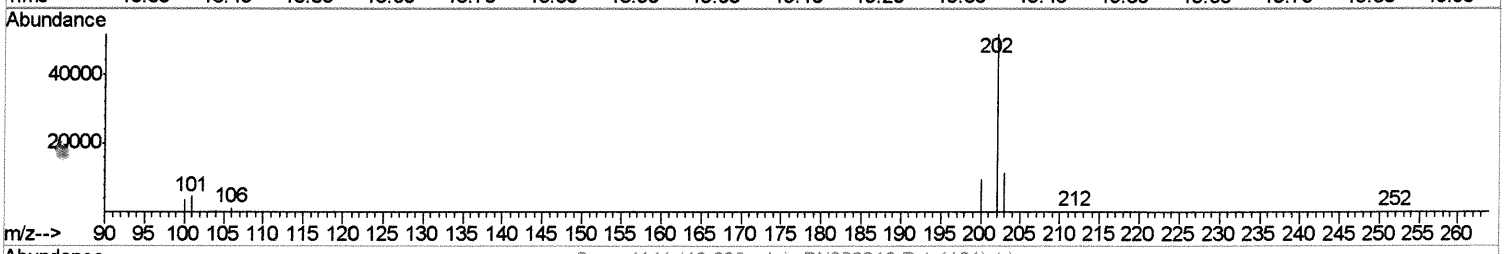
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

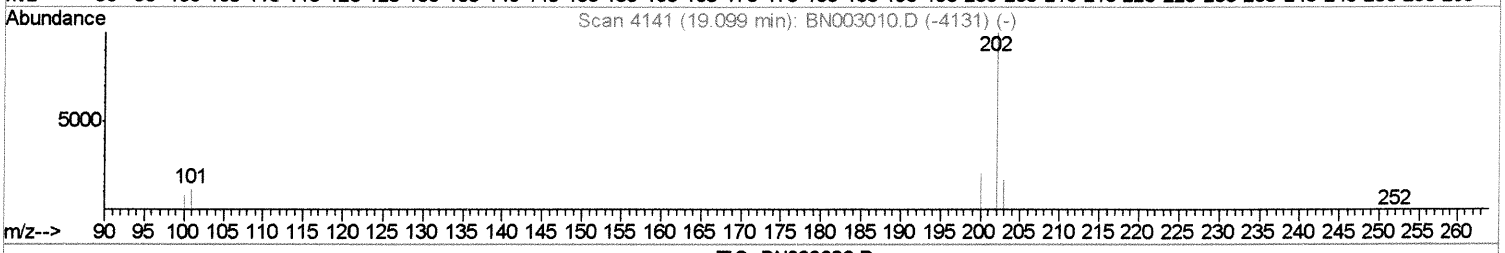
Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC57DL

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM







TIC: BN003026.D

(15) Fluoranthene (C)

19.099min (-19.099) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	12.30	0.00
100.00	9.10	0.00
0.00	0.00	0.00

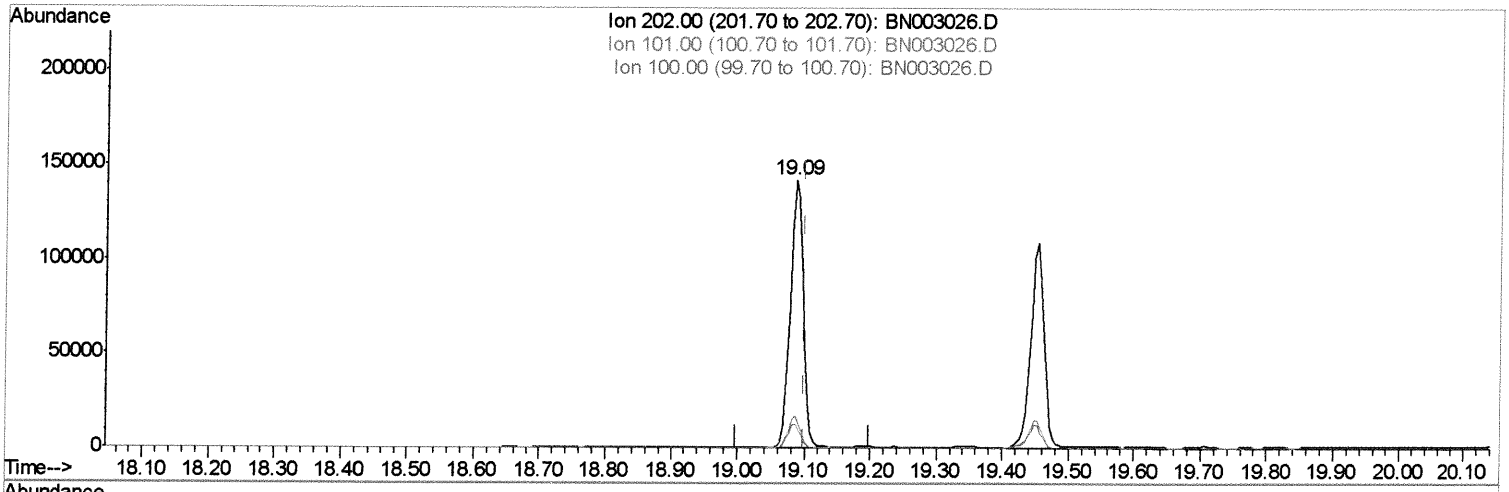
Quantitation Report (Qedit)

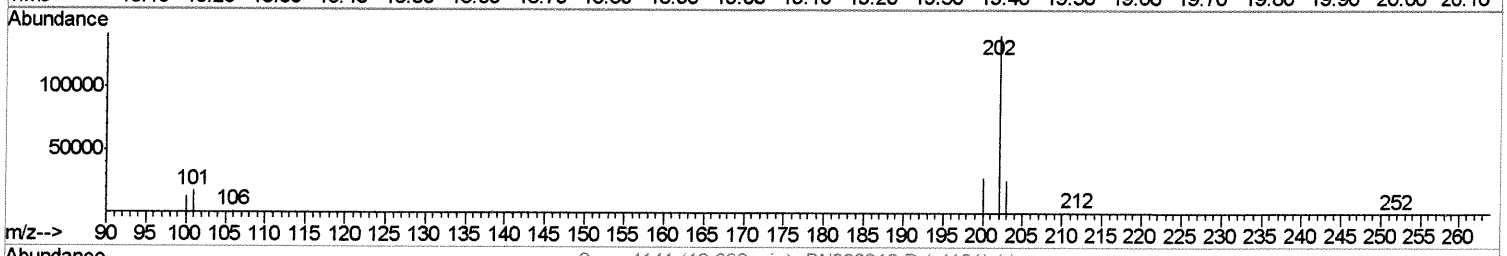
Instrument : BNA_N
ClientSampleId : JLC57DL

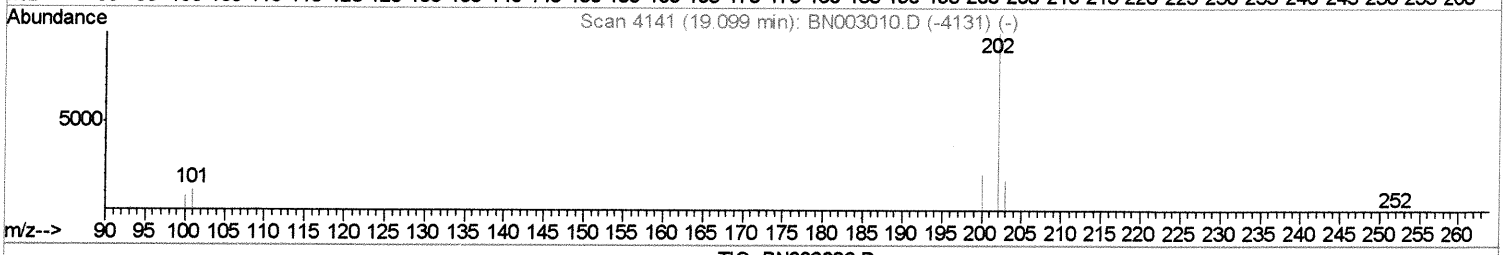
Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration







TIC: BN003026.D

(15) Fluoranthene (C)

19.086min (-0.014) 7.95ng/ul m

SJ 10/10/18

response 193193

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	12.08
100.00	9.10	9.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC57DL

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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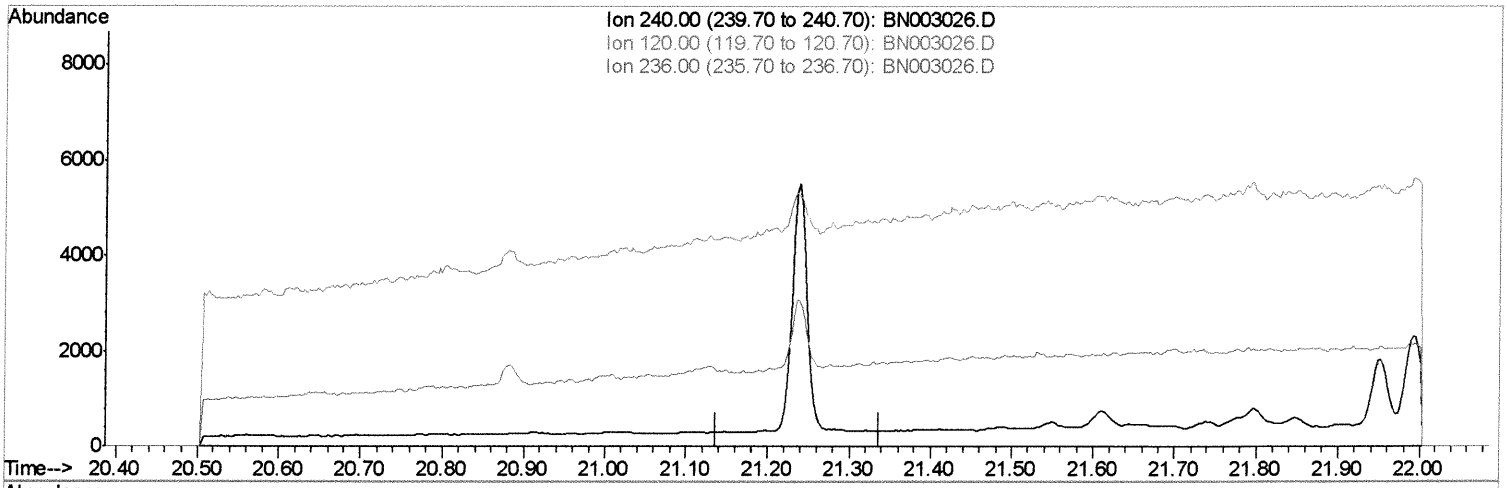
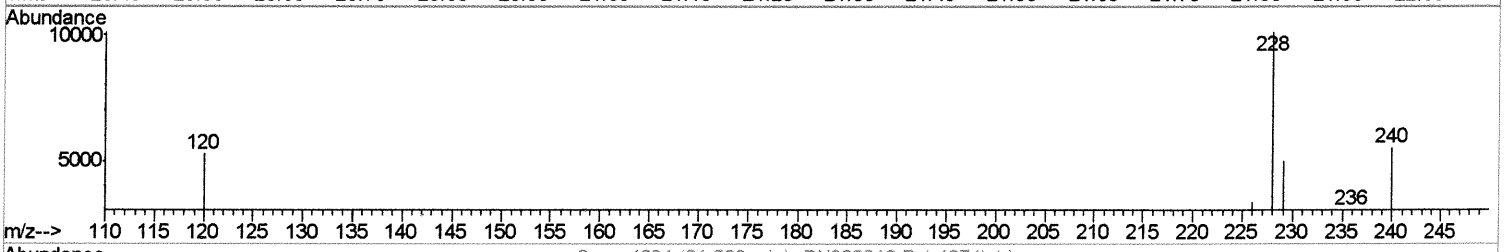
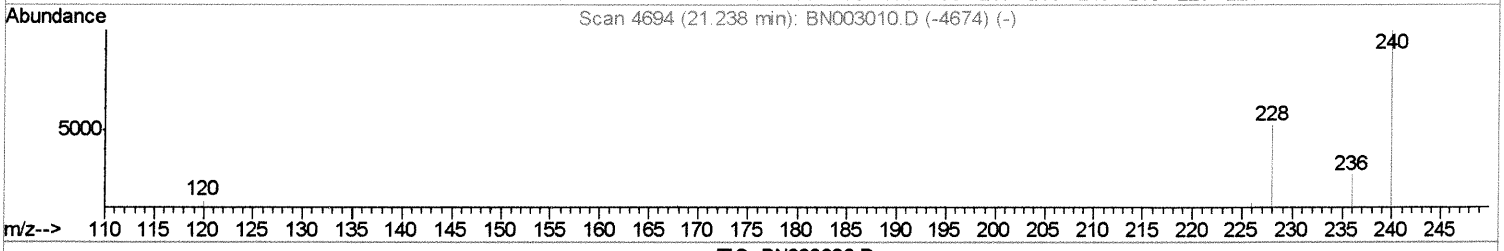






TIC: BN003026.D

(16) Chrysene-d12 (I)

21.238min (-21.238) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	16.40	0.00#
236.00	28.10	0.00#
0.00	0.00	0.00

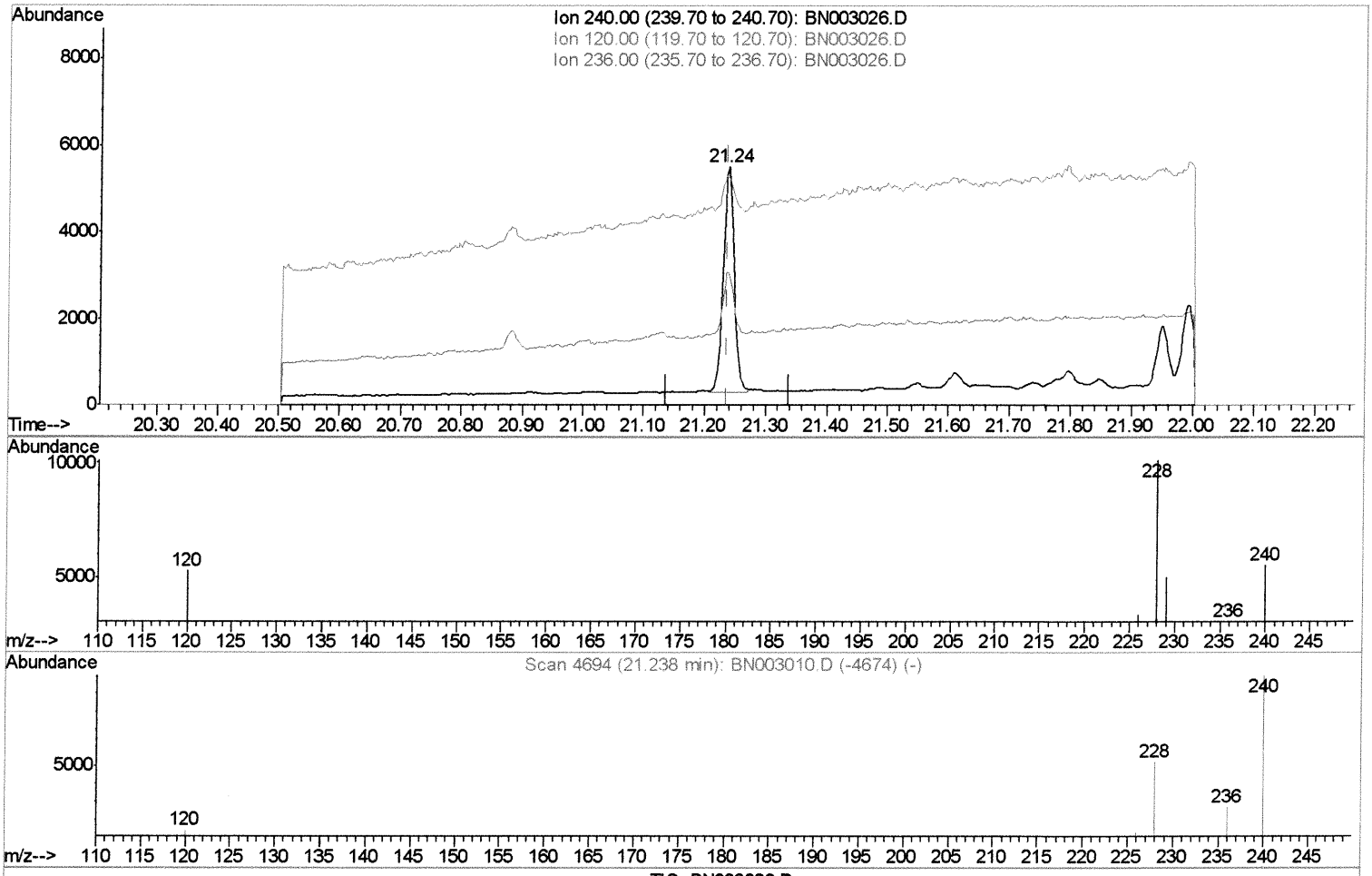
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC57DL

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:43:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration



TIC: BN003026.D

(16) Chrysene-d12 (I)

21.238min (+0.000) 0.40ng/ul m SJ 10/10/18

response 6439

Ion	Exp%	Act%
240.00	100	100
120.00	16.40	95.42#
236.00	28.10	55.52#
0.00	0.00	0.00

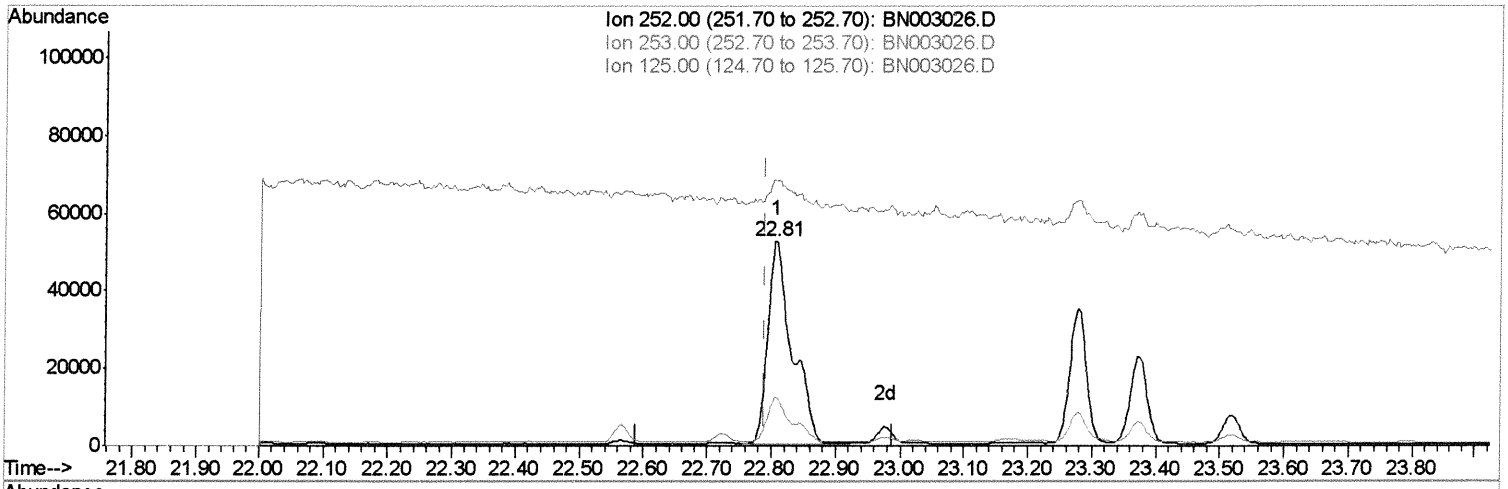
Quantitation Report (Qedit)

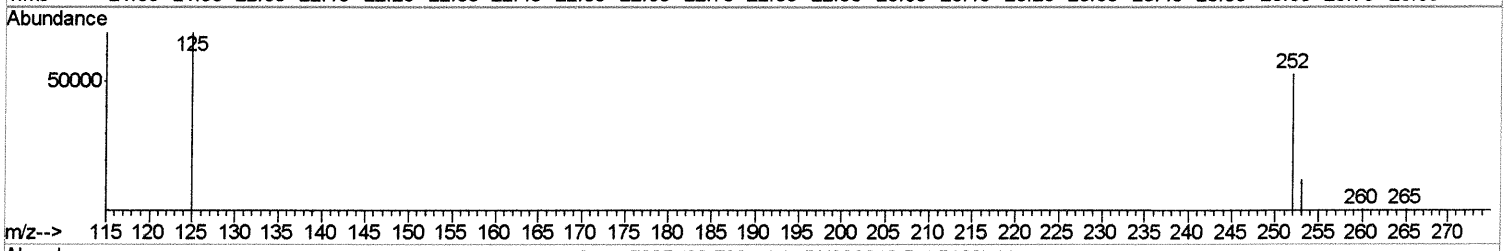
Instrument :
BNA_N
ClientSampleId :
JLC57DL

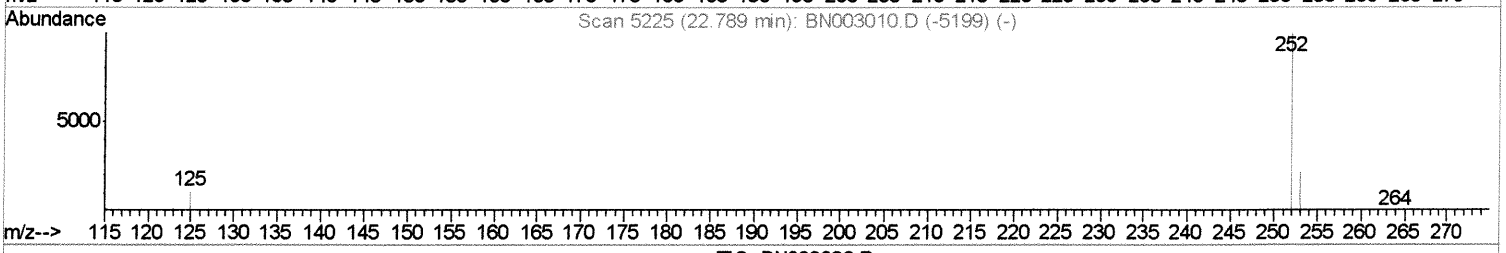
Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:46:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration







TIC: BN003026.D

(21) Benzo(b)fluoranthene

22.807min (+0.018) 6.99ng/ul

response 137863

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.89
125.00	17.10	129.31#
0.00	0.00	0.00

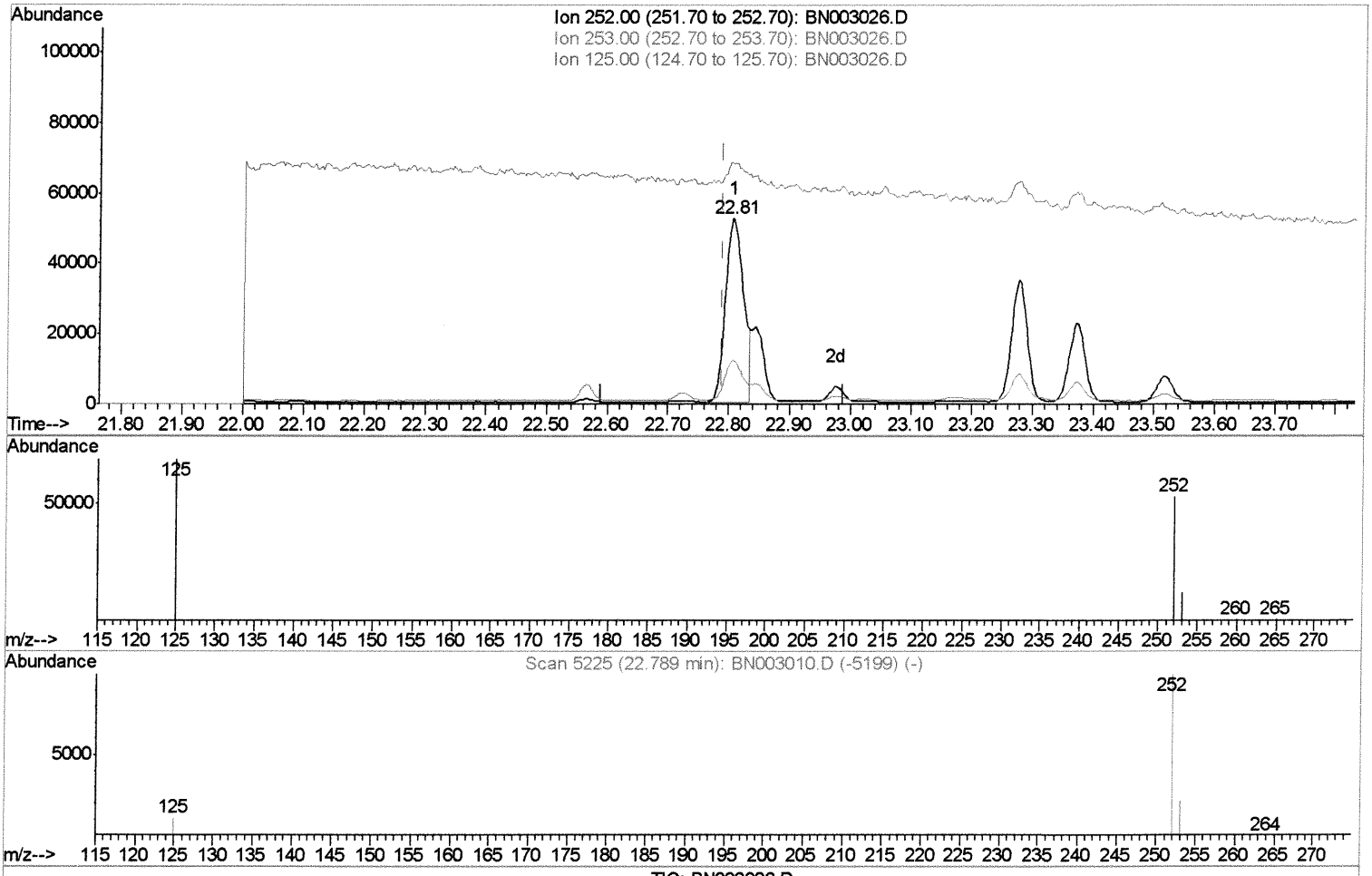
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC57DL

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:46:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration



TIC: BN003026.D

(21) Benzo(b)fluoranthene

22.807min (+0.018) 5.42ng/ul m SJ 10/10/18

response 106981

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.89
125.00	17.10	129.31#
0.00	0.00	0.00

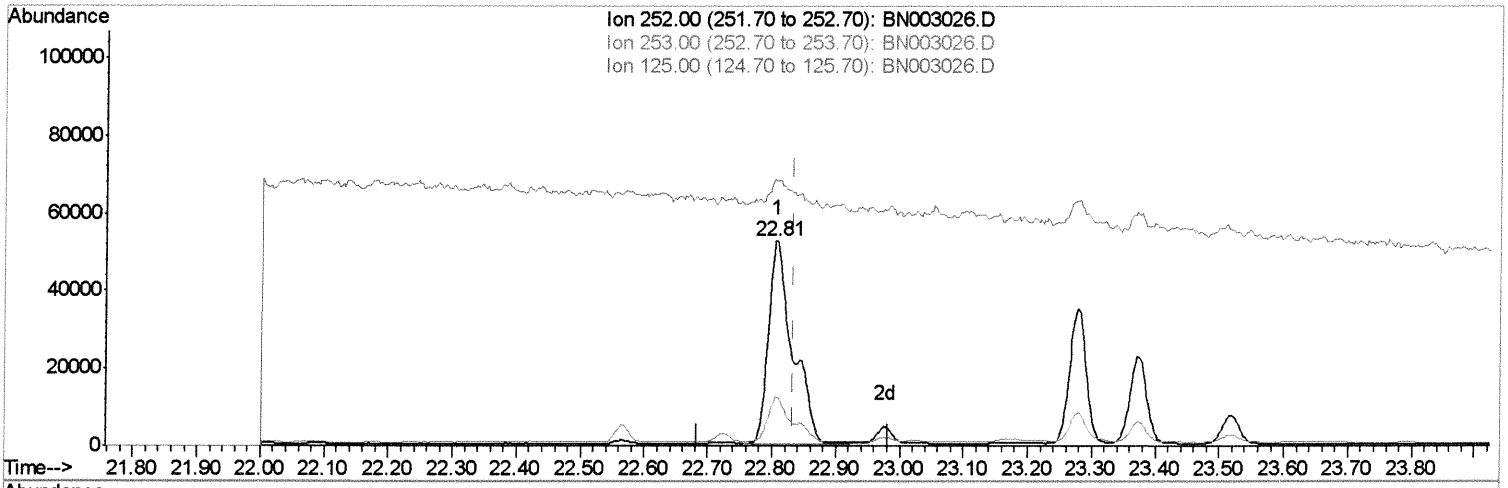
Quantitation Report (Qedit)

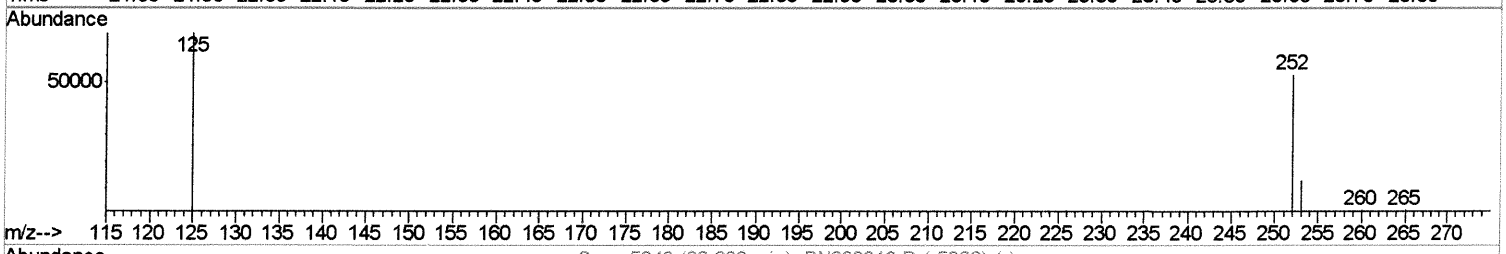
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

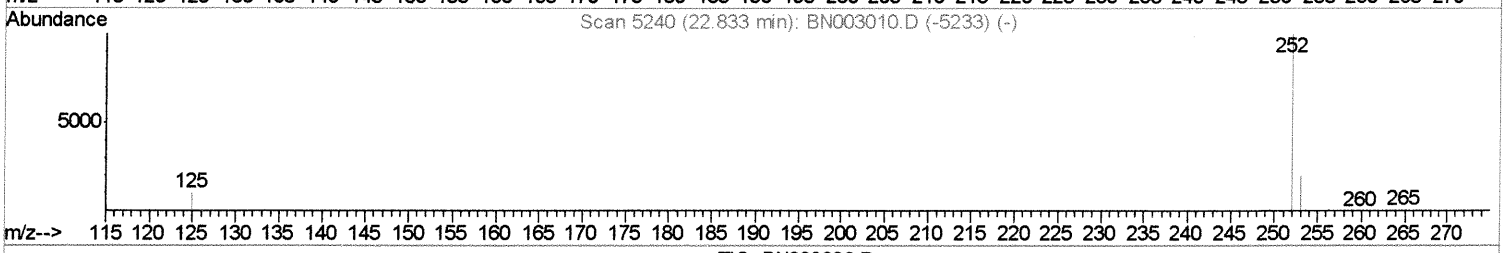
Quant Time: Oct 09 15:46:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC57DL

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM







TIC: BN003026.D

(22) Benzo(k)fluoranthene

22.807min (-0.026) 6.74ng/ul

response 137863

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.89
125.00	17.60	129.31#
0.00	0.00	0.00

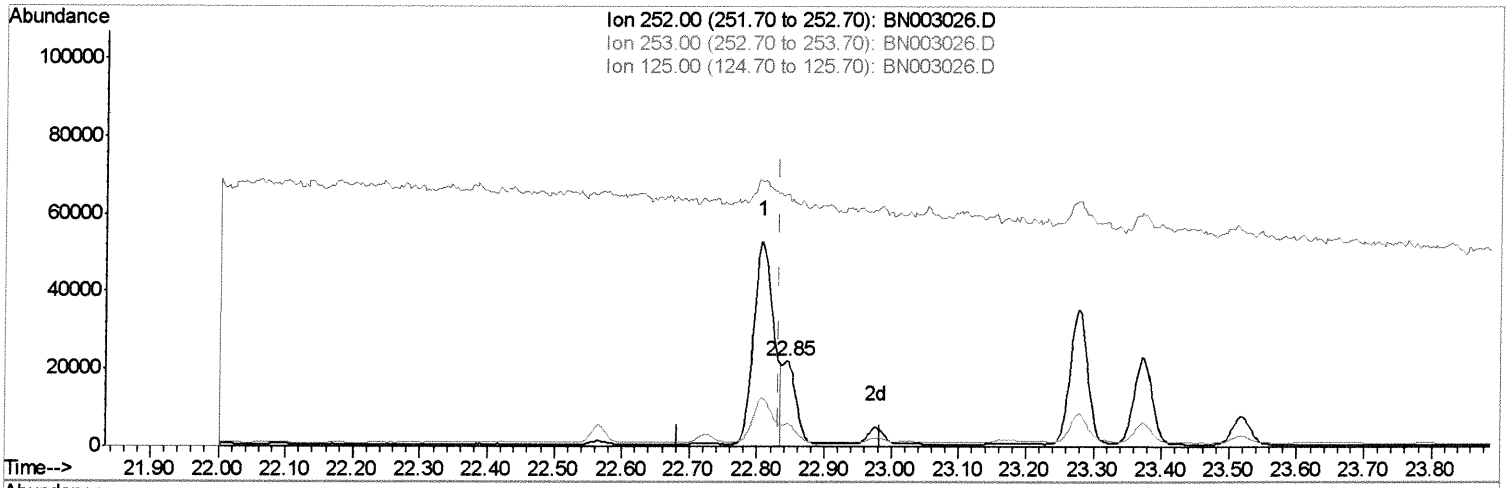
Quantitation Report (Qedit)

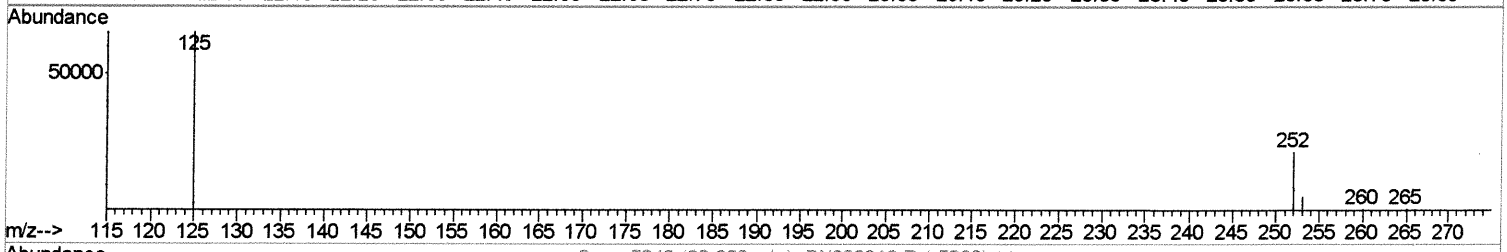
Instrument : BNA_N
ClientSampleId : JLC57DL

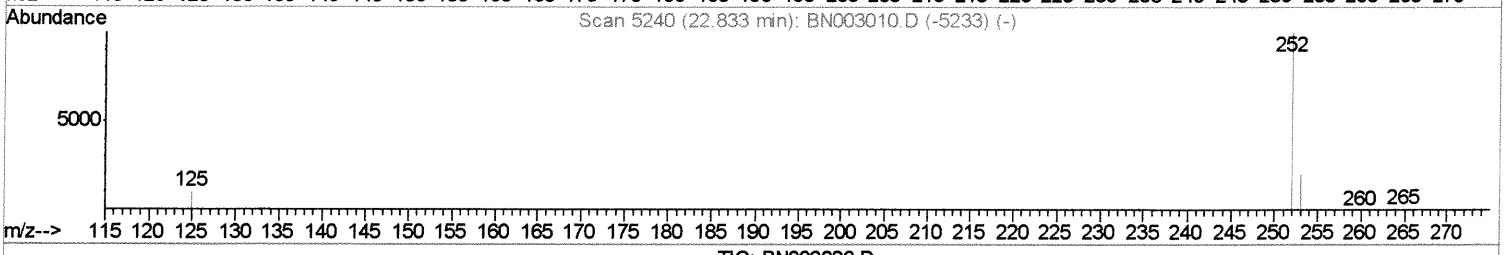
Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:46:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration







TIC: BN003026.D

(22) Benzo(k)fluoranthene

22.845min (+0.012) 1.59ng/ul m SJ 10/10/18

response 32454

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	27.43
125.00	17.60	296.21#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Instrument :
BNA_N
ClientSampleId :
JLC57DL

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:40 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003026.D
Acq On : 09 Oct 2018 14:50
Operator : MJ/SJ
Sample : J5116-08DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 09 15:47:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.63	152	1169	0.40	ng/ul	-0.02	
2) Naphthalene-d8	10.41	136	5014	0.40	ng/ul	-0.01	
6) Acenaphthene-d10	14.26	164	2913	0.40	ng/ul	0.00	
10) Phenanthrene-d10	17.02	188	7430m	0.40	ng/ul	-0.02	>SJ 10/10/18
16) Chrysene-d12	21.24	240	6439m	0.40	ng/ul	0.00	
20) Perylene-d12	23.47	264	5479	0.40	ng/ul	0.02	
System Monitoring Compounds							
4) 2-Methylnaphthalene-d10	12.02	152	529	0.07	ng/ul	0.00	SJ 10/10/18
14) Fluoranthene-d10	19.06	212	1454m	0.07	ng/ul	0.00	
Target Compounds						Qvalue	
3) Naphthalene	10.46	128	1330	0.103	ng/ul#	87	
5) 2-Methylnaphthalene	12.09	142	424	0.048	ng/ul	94	
7) Acenaphthylene	13.99	152	504	0.038	ng/ul#	64	
8) Acenaphthene	14.33	153	5598	0.554	ng/ul	99	
9) Fluorene	15.32	166	5479	0.473	ng/ul	100	
12) Phenanthrene	17.06	178	113197m	5.465	ng/ul		SJ 10/10/18
13) Anthracene	17.15	178	28786m	1.471	ng/ul		
15) Fluoranthene	19.09	202	193193m	7.951	ng/ul		
17) Pyrene	19.45	202	153062	6.120	ng/ul	97	
18) Benzo(a)anthracene	21.22	228	61983	2.991	ng/ul#	94	
19) Chrysene	21.28	228	71871	3.416	ng/ul#	94	
21) Benzo(b)fluoranthene	22.81	252	106981m	5.422	ng/ul		>SJ 10/10/18
22) Benzo(k)fluoranthene	22.85	252	32454m	1.587	ng/ul		
23) Benzo(a)pyrene	23.37	252	41510	2.347	ng/ul#	1	
24) Indeno(1,2,3-cd)pyrene	25.70	276	44138	2.172	ng/ul	97	
25) Dibenzo(a,h)anthracene	25.70	278	9309	0.572	ng/ul#	1	
26) Benzo(g,h,i)perylene	26.38	276	37935	2.214	ng/ul#	62	

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