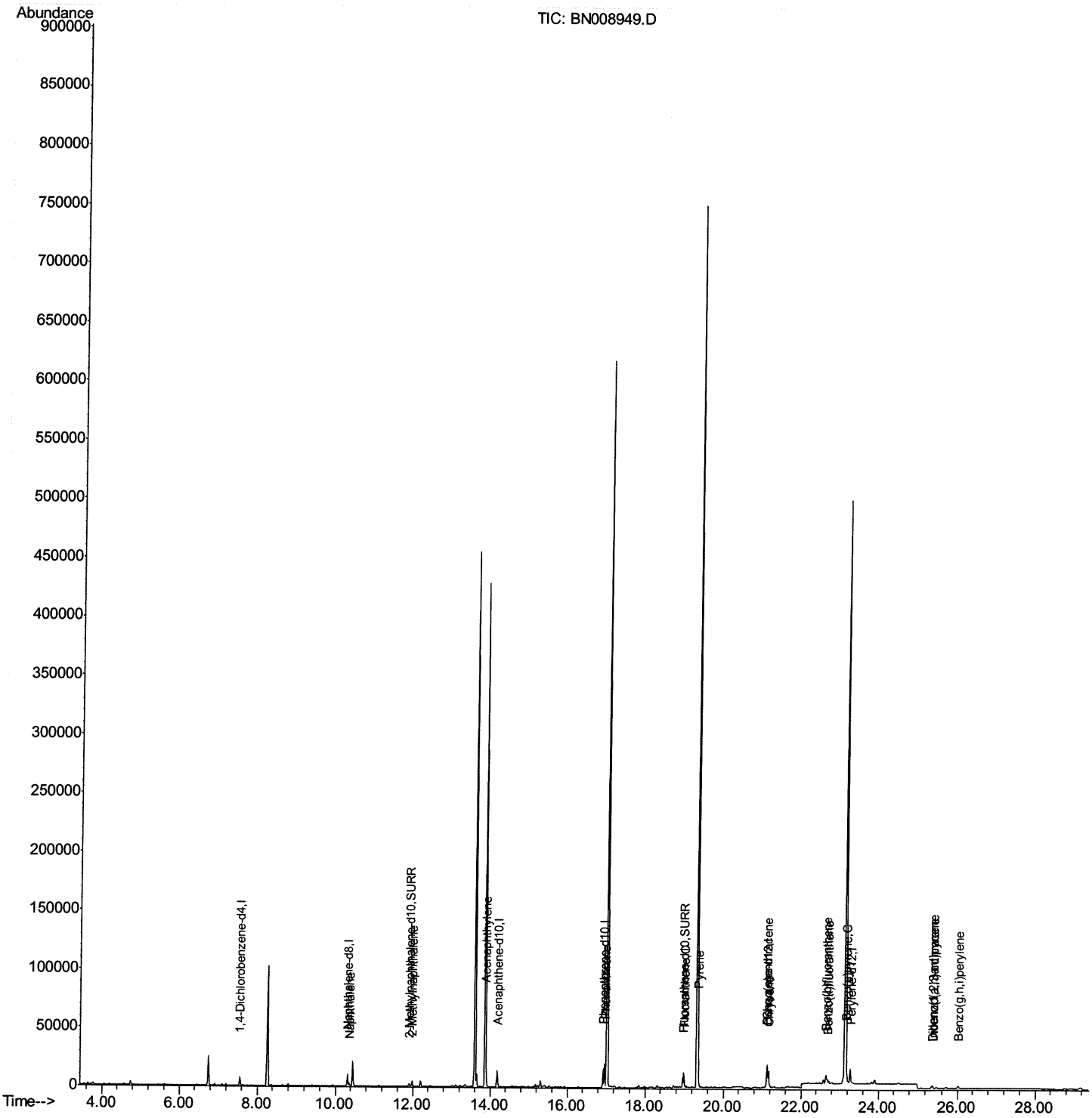
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
Data File : BN008949.D
Acq On : 12 Dec 2019 17:16
Operator : JU
Sample : K6089-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 13 01:21:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0BQ4

Manual Integrations APPROVED
mohammad
12/13/2019 9:07:47 AM



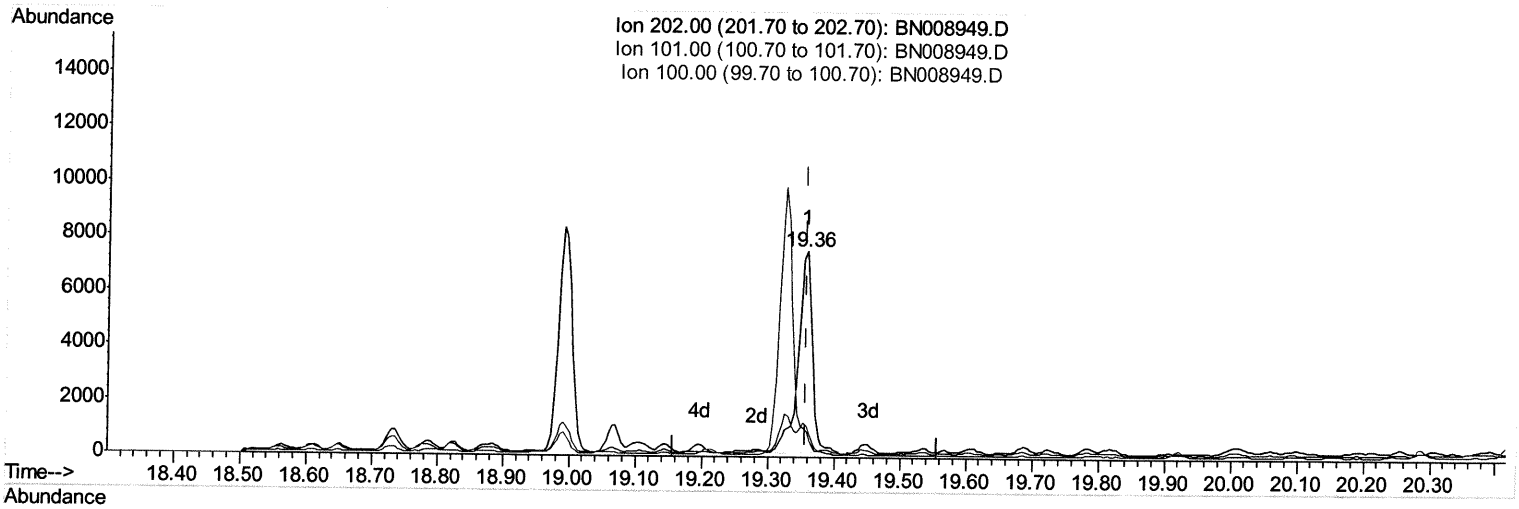
Quantitation Report (Qedit)

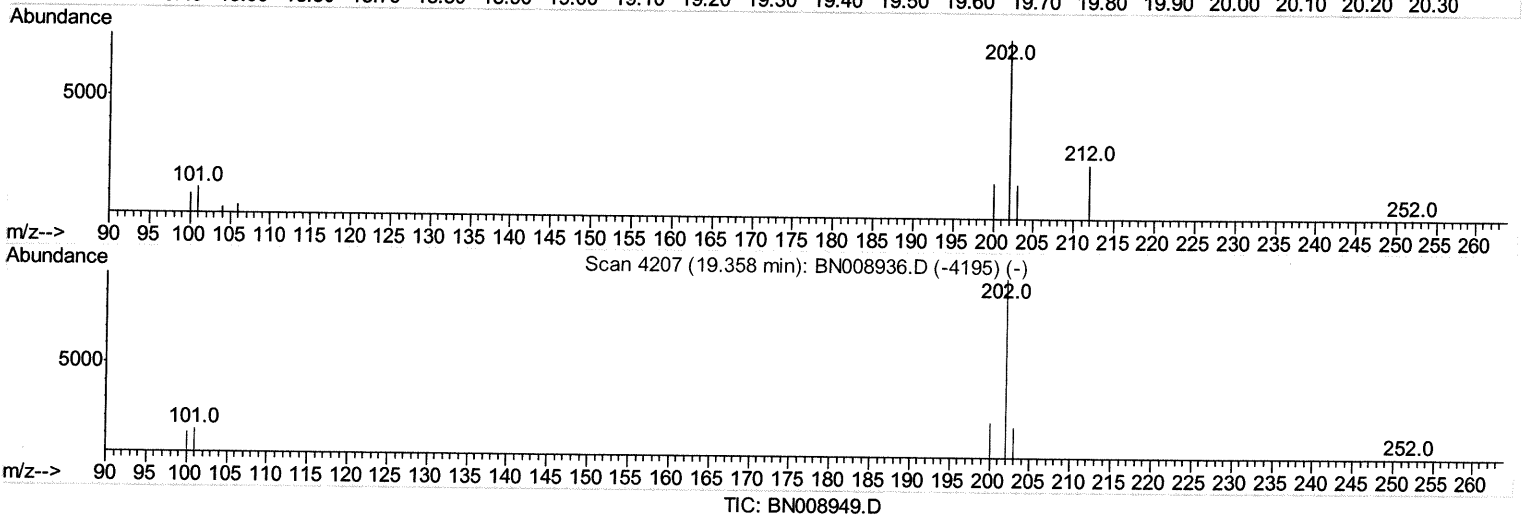
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
Data File : BN008949.D
Acq On : 12 Dec 2019 17:16
Operator : JU
Sample : K6089-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 13 00:50:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0BQ4

Manual Integrations APPROVED
mohammad
12/13/2019 9:07:47 AM





(17) Pyrene

19.358min (+0.001) 0.19ng/ul

response 11162

Ion	Exp%	Act%
202.00	100	100
101.00	15.30	15.15
100.00	11.90	12.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
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Acq On : 12 Dec 2019 17:16
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ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 13 00:50:43 2019
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QLast Update : Thu Dec 12 00:49:42 2019
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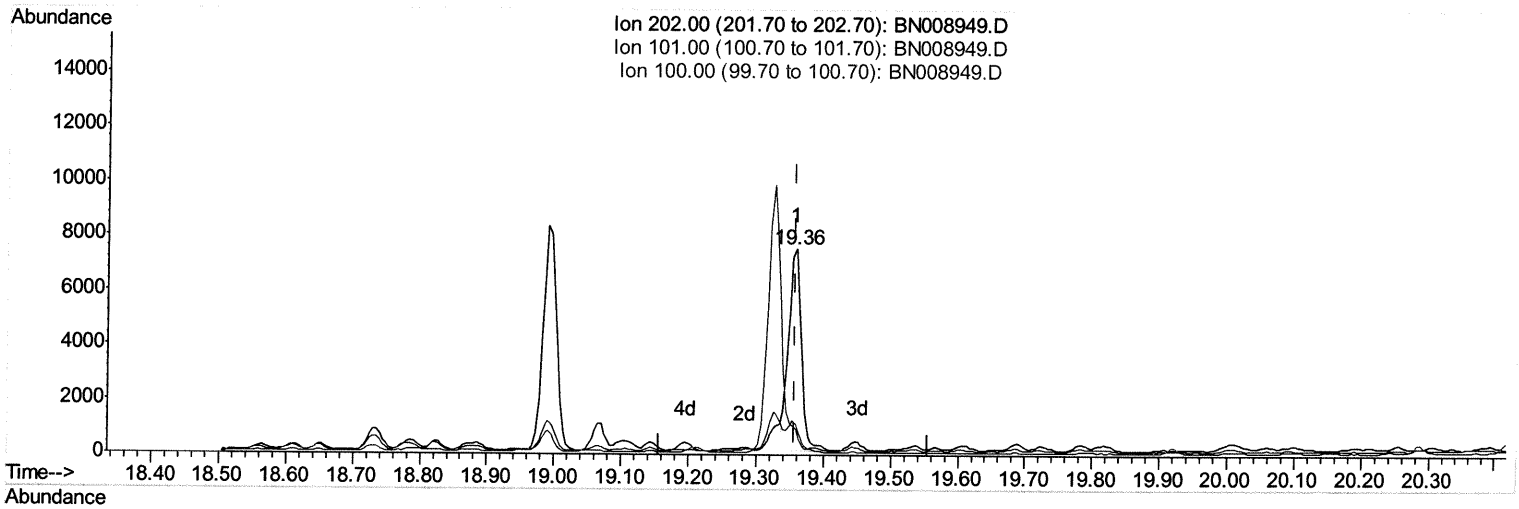
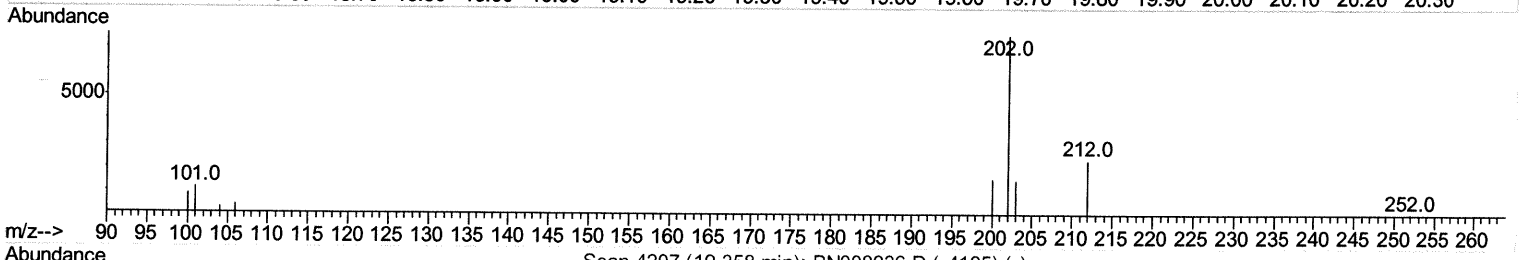
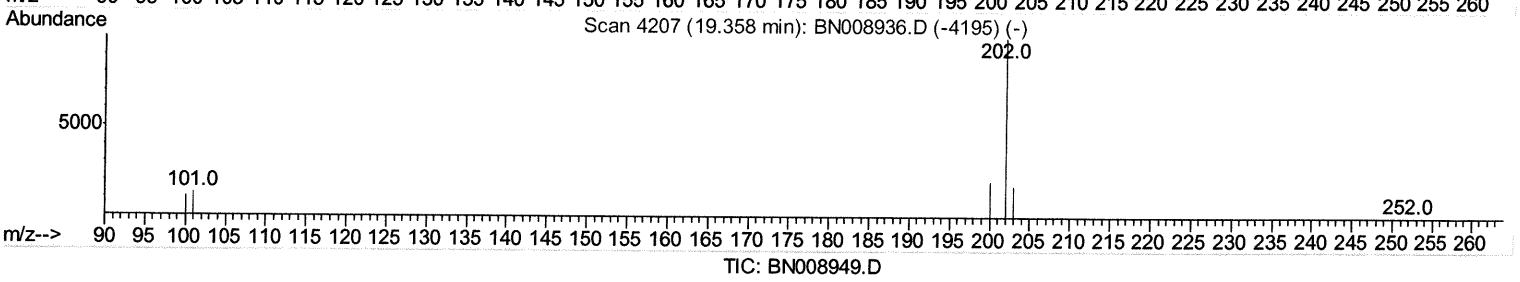
Instrument :
BNA_N
ClientSampleId :
C0BQ4

Manual Integrations APPROVED
mohammad
12/13/2019 9:07:47 AM







TIC: BN008949.D

(17) Pyrene

19.358min (+0.001) 0.17ng/ul m JU 12/13/19

response 10104

Ion	Exp%	Act%
202.00	100	100
101.00	15.30	15.15
100.00	11.90	12.28
0.00	0.00	0.00

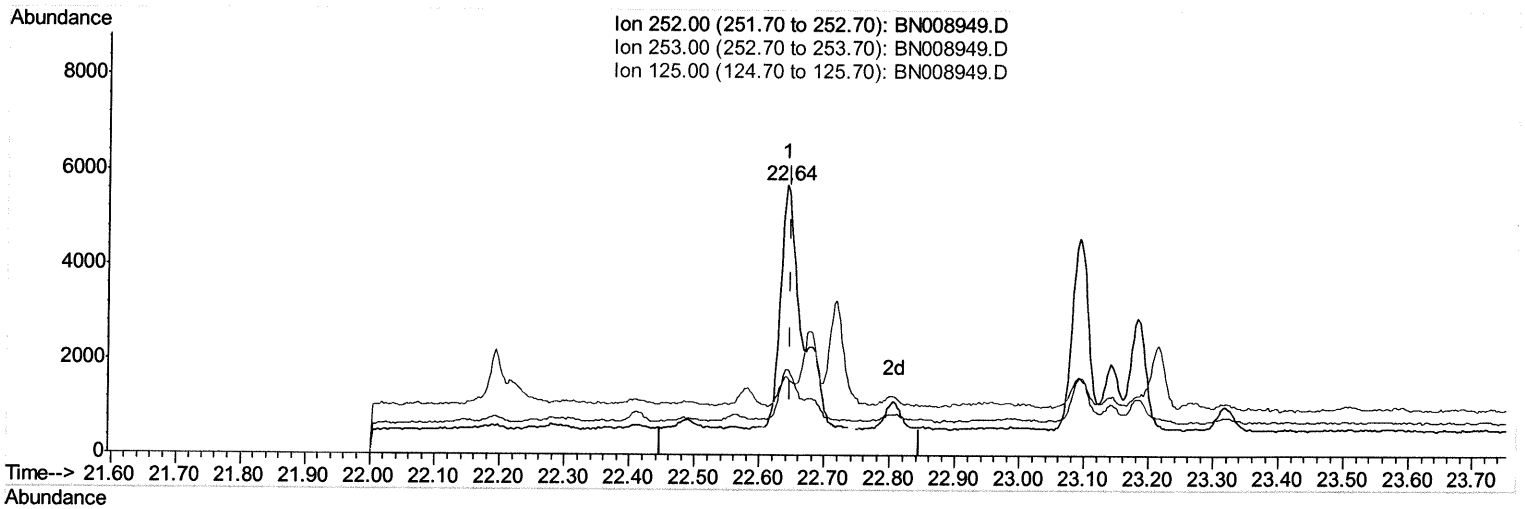
Quantitation Report (Qedit)

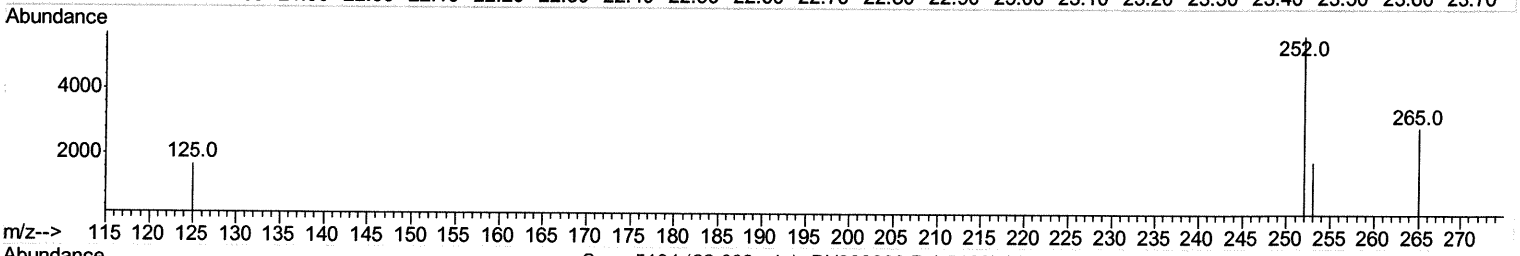
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
Data File : BN008949.D
Acq On : 12 Dec 2019 17:16
Operator : JU
Sample : K6089-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

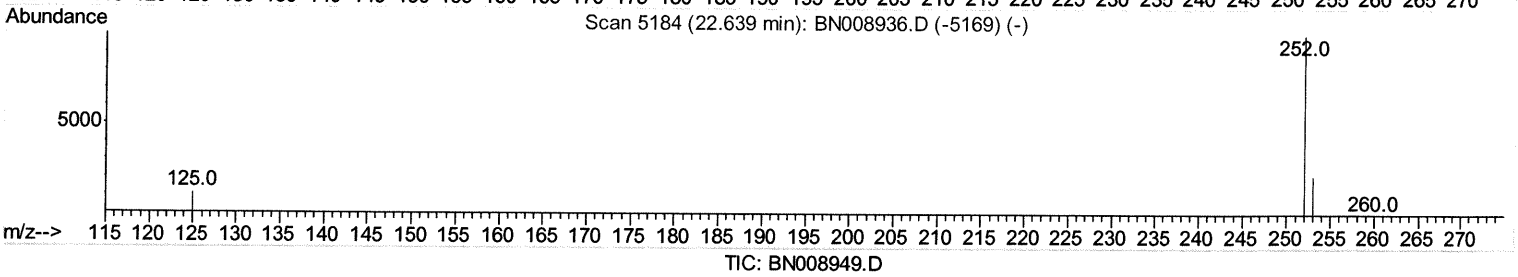
Quant Time: Dec 13 00:50:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0BQ4

Manual Integrations APPROVED
mohammad
12/13/2019 9:07:47 AM







TIC: BN008949.D

(21) Benzo(b)fluoranthene

22.641min (-0.005) 0.20ng/ul

response 11966

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	31.76
125.00	15.80	29.20
0.00	0.00	0.00

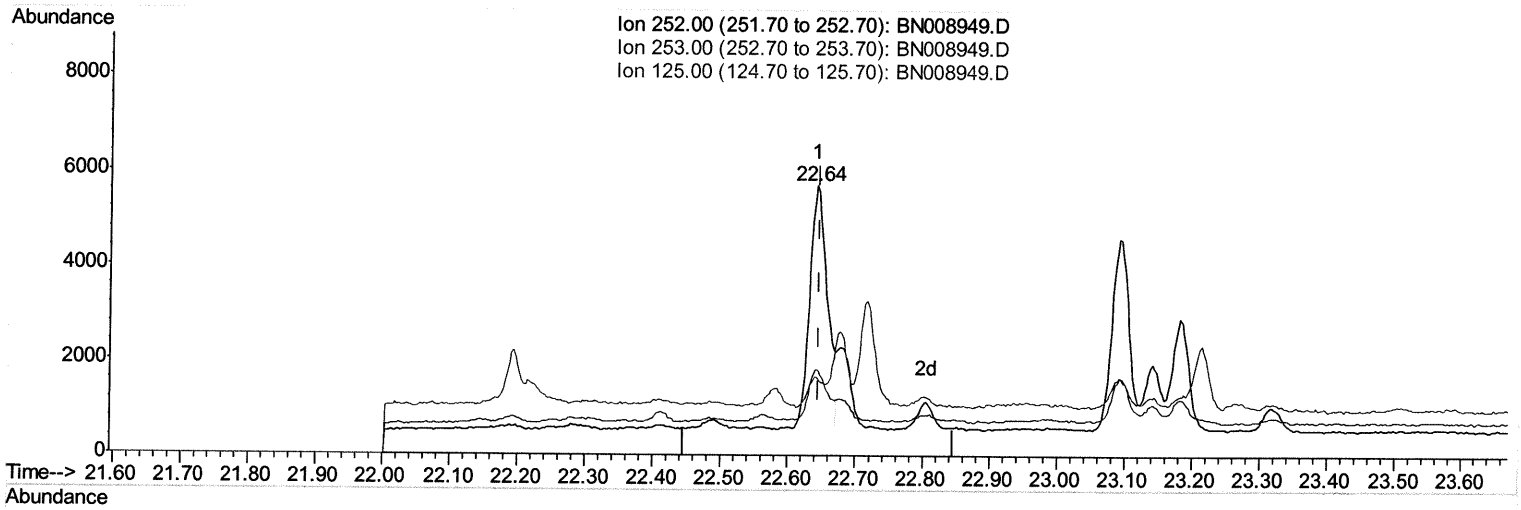
Quantitation Report (Qedit)

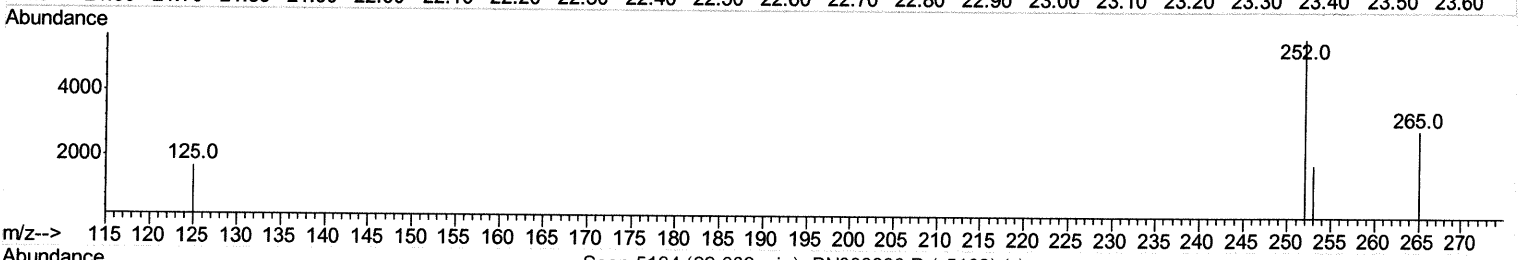
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
Data File : BN008949.D
Acq On : 12 Dec 2019 17:16
Operator : JU
Sample : K6089-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 13 00:50:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration

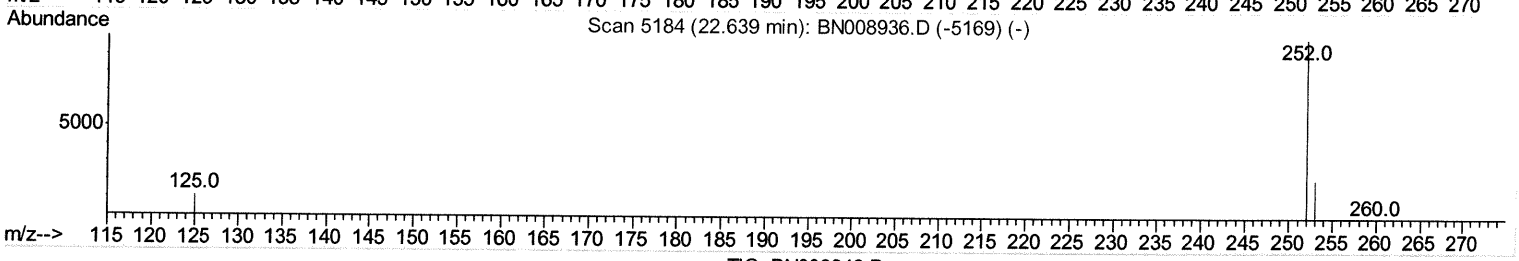
Instrument :
BNA_N
ClientSampleId :
C0BQ4

Manual Integrations APPROVED
mohammad
12/13/2019 9:07:47 AM





Scan 5184 (22.639 min): BN008936.D (-5169) (-)



TIC: BN008949.D

(21) Benzo(b)fluoranthene

22.641min (-0.005) 0.16ng/ul m JU 12/13/19

response 9618

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	31.76
125.00	15.80	29.20
0.00	0.00	0.00

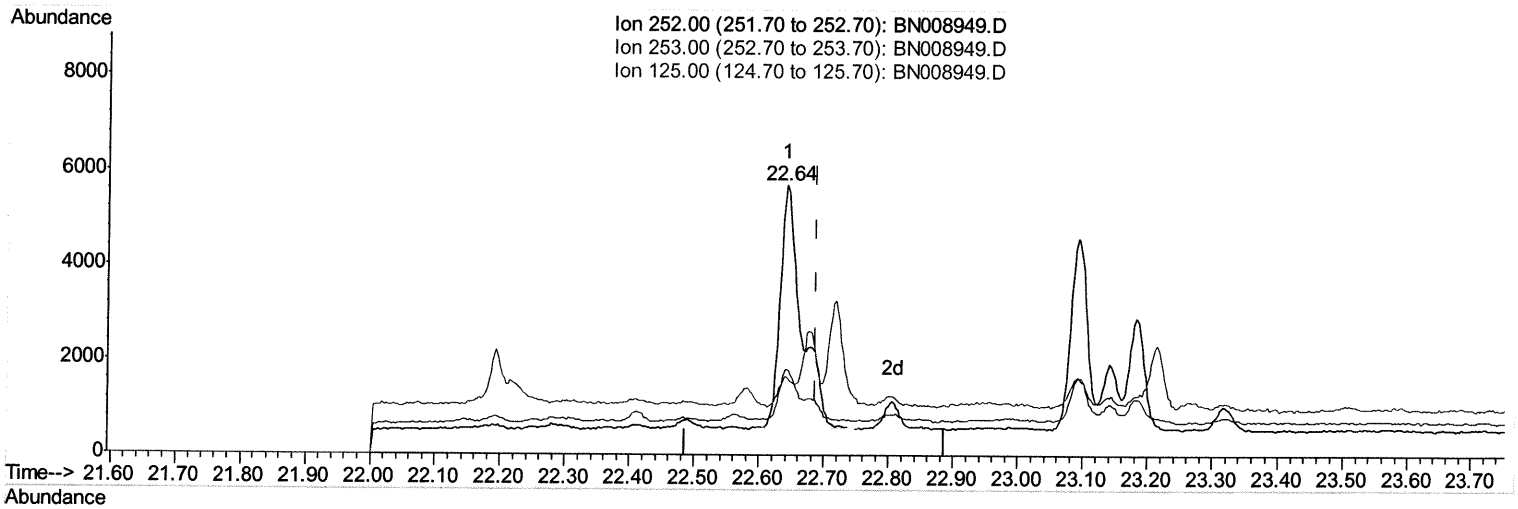
Quantitation Report (Qedit)

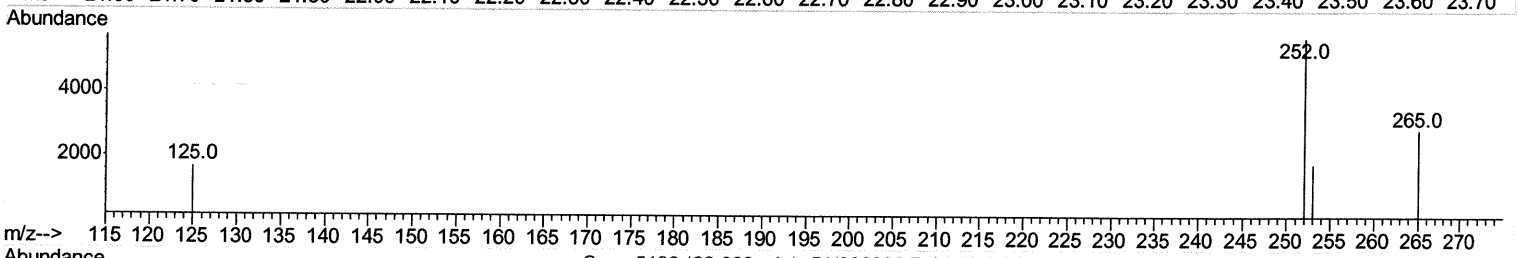
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
Data File : BN008949.D
Acq On : 12 Dec 2019 17:16
Operator : JU
Sample : K6089-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

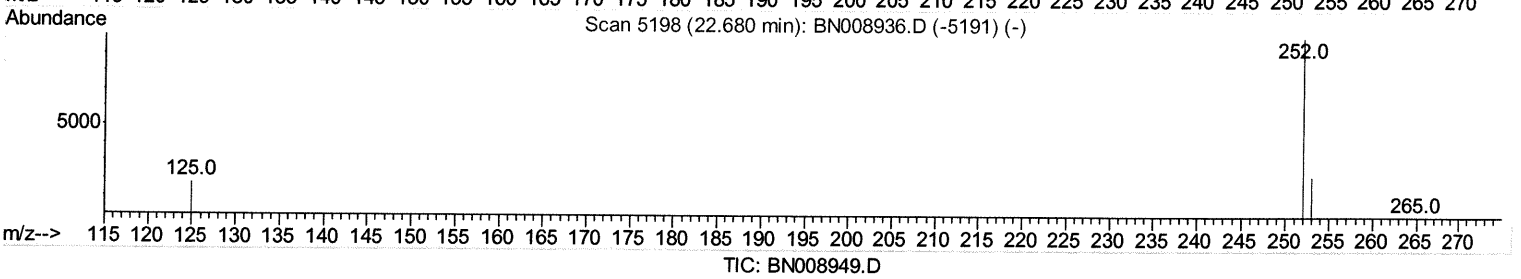
Quant Time: Dec 13 00:50:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0BQ4

Manual Integrations APPROVED
mohammad
12/13/2019 9:07:47 AM







TIC: BN008949.D

(22) Benzo(k)fluoranthene

22.641min (-0.046) 0.20ng/ul

response 11966

Ion	Exp%	Act%
252.00	100	100
253.00	24.50	31.76#
125.00	17.20	29.20#
0.00	0.00	0.00

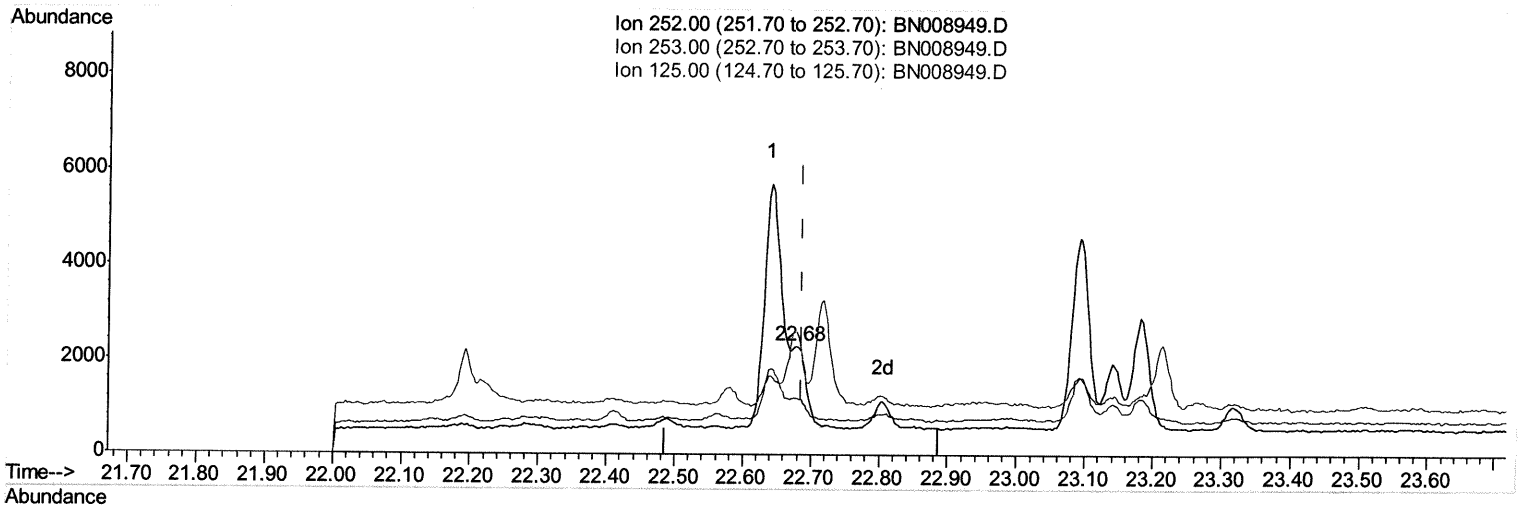
Quantitation Report (Qedit)

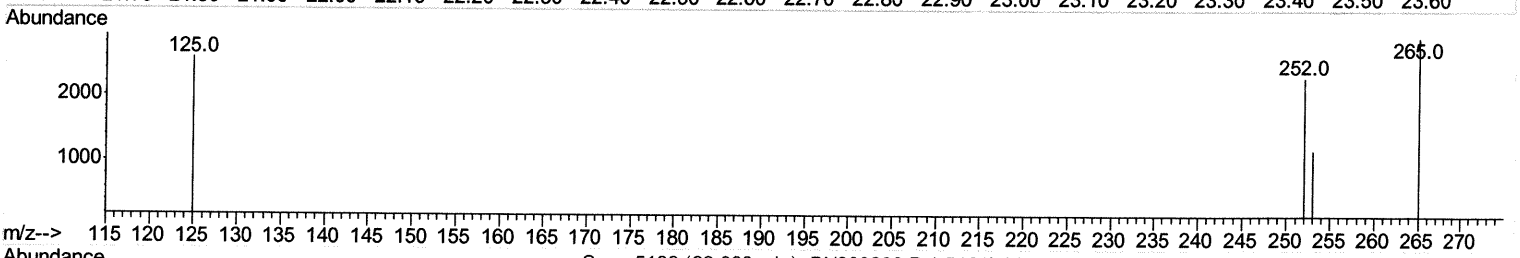
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
Data File : BN008949.D
Acq On : 12 Dec 2019 17:16
Operator : JU
Sample : K6089-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 13 00:50:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration

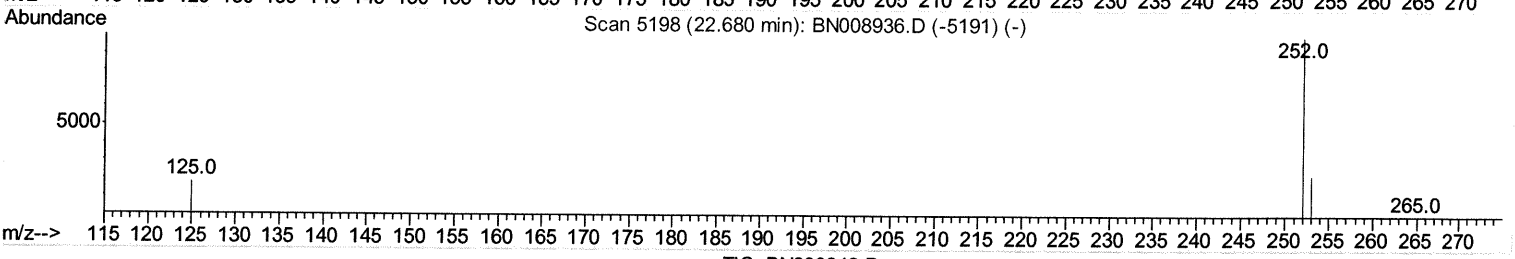
Instrument :
BNA_N
ClientSampleId :
C0BQ4

Manual Integrations APPROVED
mohammad
12/13/2019 9:07:47 AM





Scan 5198 (22.680 min): BN008936.D (-5191) (-)



TIC: BN008949.D

(22) Benzo(k)fluoranthene

22.679min (-0.008) 0.04ng/ul m JU 12/13/19

response 2344

Ion	Exp%	Act%
252.00	100	100
253.00	24.50	52.43#
125.00	17.20	112.86#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
Data File : BN008949.D
Acq On : 12 Dec 2019 17:16
Operator : JU
Sample : K6089-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BQ4

Manual Integrations APPROVED
mohammad
12/13/2019 9:07:47 AM

Quant Time: Dec 13 01:21:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2826	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	12267	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	7769	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	17538	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14787	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	14608	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	3347	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	9254	0.17	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.36	128	2555	0.069	ng/ul#	92
5) 2-Methylnaphthalene	11.98	142	3118	0.121	ng/ul	99
7) Acenaphthylene	13.90	152	971	0.023	ng/ul#	73
12) Phenanthrene	16.97	178	21057	0.356	ng/ul	100
15) Fluoranthene	18.99	202	11652	0.160	ng/ul	96
17) Pyrene	19.36	202	10104m >	0.170	ng/ul >	JU 12/13/19
18) Benzo(a)anthracene	21.11	228	4942	0.083	ng/ul#	80
19) Chrysene	21.17	228	15524	0.266	ng/ul#	93
21) Benzo(b)fluoranthene	22.64	252	9618m }	0.160	ng/ul }	JU 12/13/19
22) Benzo(k)fluoranthene	22.68	252	2344m }	0.039	ng/ul }	
23) Benzo(a)pyrene	23.18	252	3962	0.070	ng/ul#	57
24) Indeno(1,2,3-cd)pyrene	25.38	276	3092	0.047	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.39	278	1278	0.024	ng/ul#	15
26) Benzo(g,h,i)perylene	26.02	276	3852	0.070	ng/ul#	82

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