

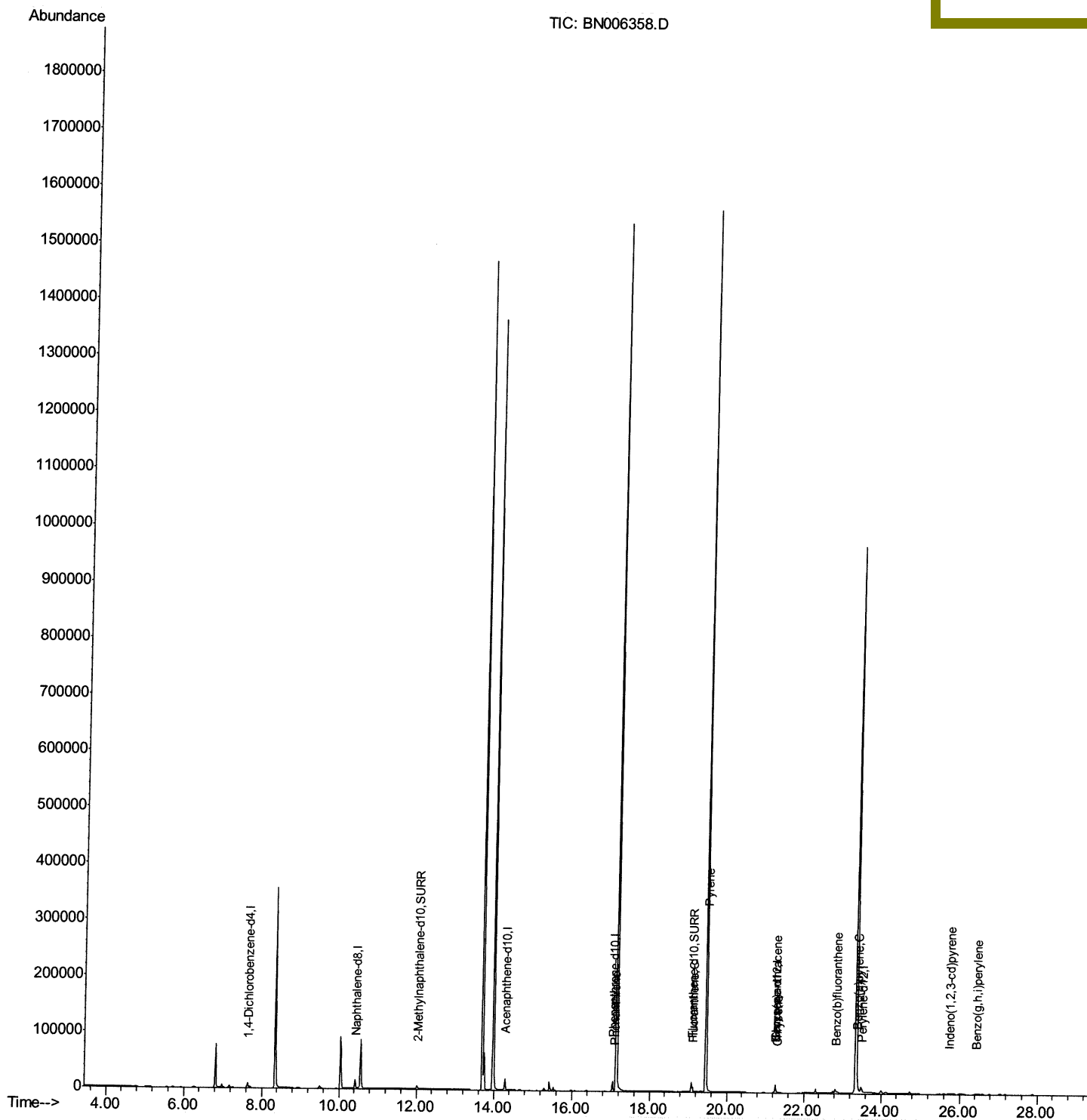
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
Data File : BN006358.D
Acq On : 17 Jun 2019 21:01
Operator : JU/SJ
Sample : K3332-25
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A41X0

Quant Time: Jun 18 04:04:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
6/21/2019 8:22:31 AM



```

Data Path  : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
Data File  : BN006358.D
Acq On     : 17 Jun 2019   21:01
Operator   : JU/SJ
Sample     : K3332-25
Misc       :
ALS Vial   : 18      Sample Multiplier: 1

```

mohammad
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Abundance

Time-->

1500000

1000000

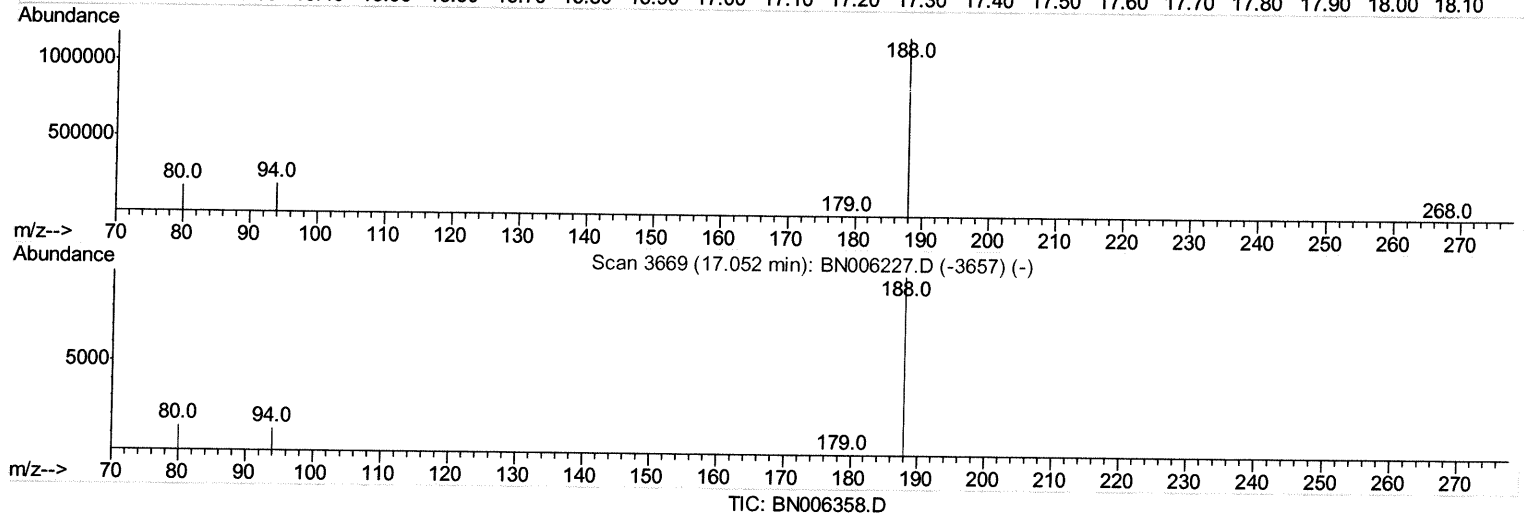
500000

0

16.20 16.30 16.40 16.50 16.60 16.70 16.80 16.90 17.00 17.10 17.20 17.30 17.40 17.50 17.60 17.70 17.80 17.90 18.00 18.10

17.15

Ion 188.00 (187.70 to 188.70): BN006358.D
Ion 94.00 (93.70 to 94.70): BN006358.D
Ion 80.00 (79.70 to 80.70): BN006358.D



Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.97#
80.00	13.60	14.59
0.00	0.00	0.00

Quantitation Report (Qedit)

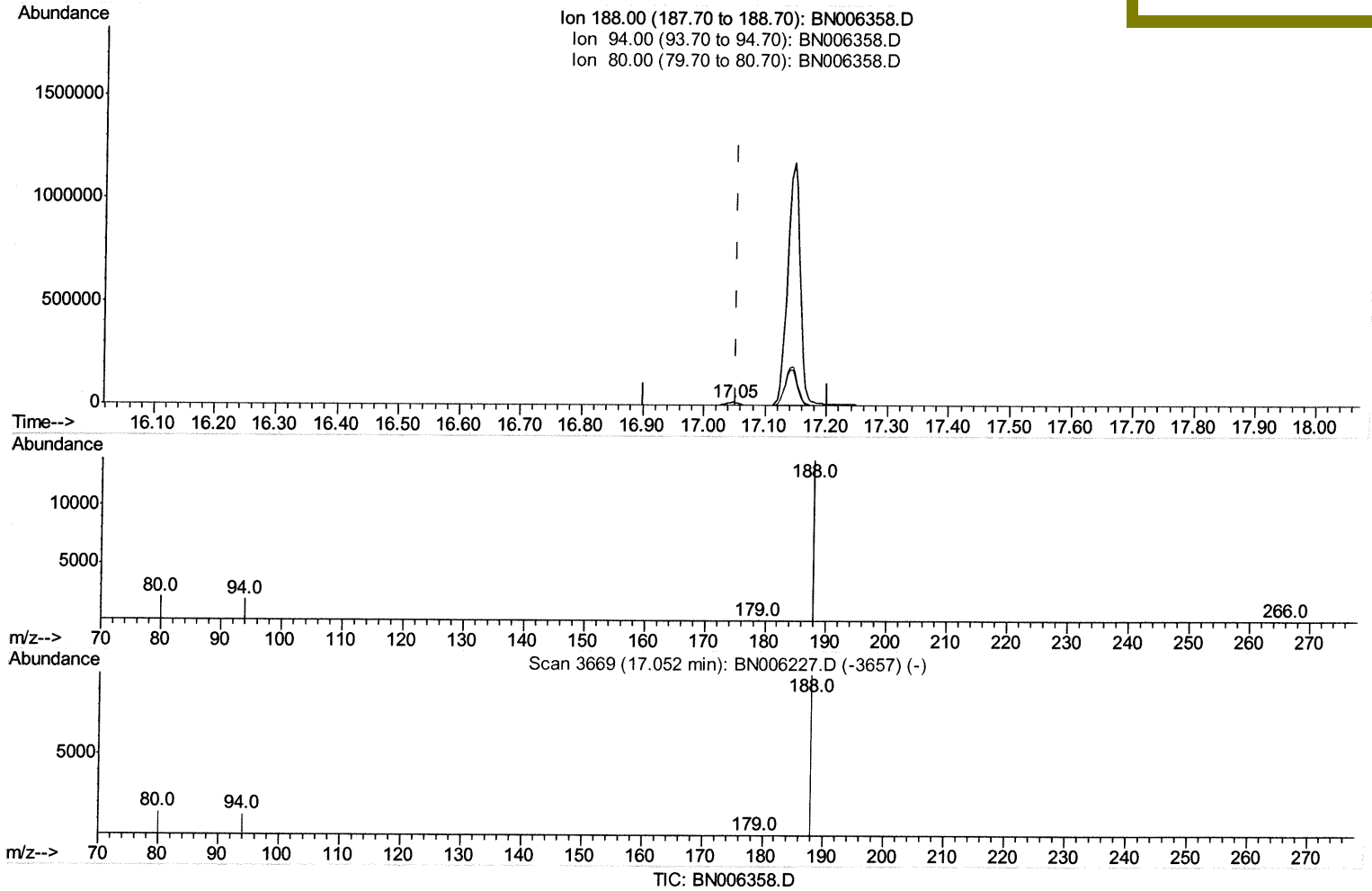
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 01:52:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
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(10) Phenanthrene-d10 (I)

17.048min (-0.004) 0.40ng/ul m

response 19999

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.13
80.00	13.60	14.49
0.00	0.00	0.00

JU
 06/18/19

Quantitation Report (Qedit)

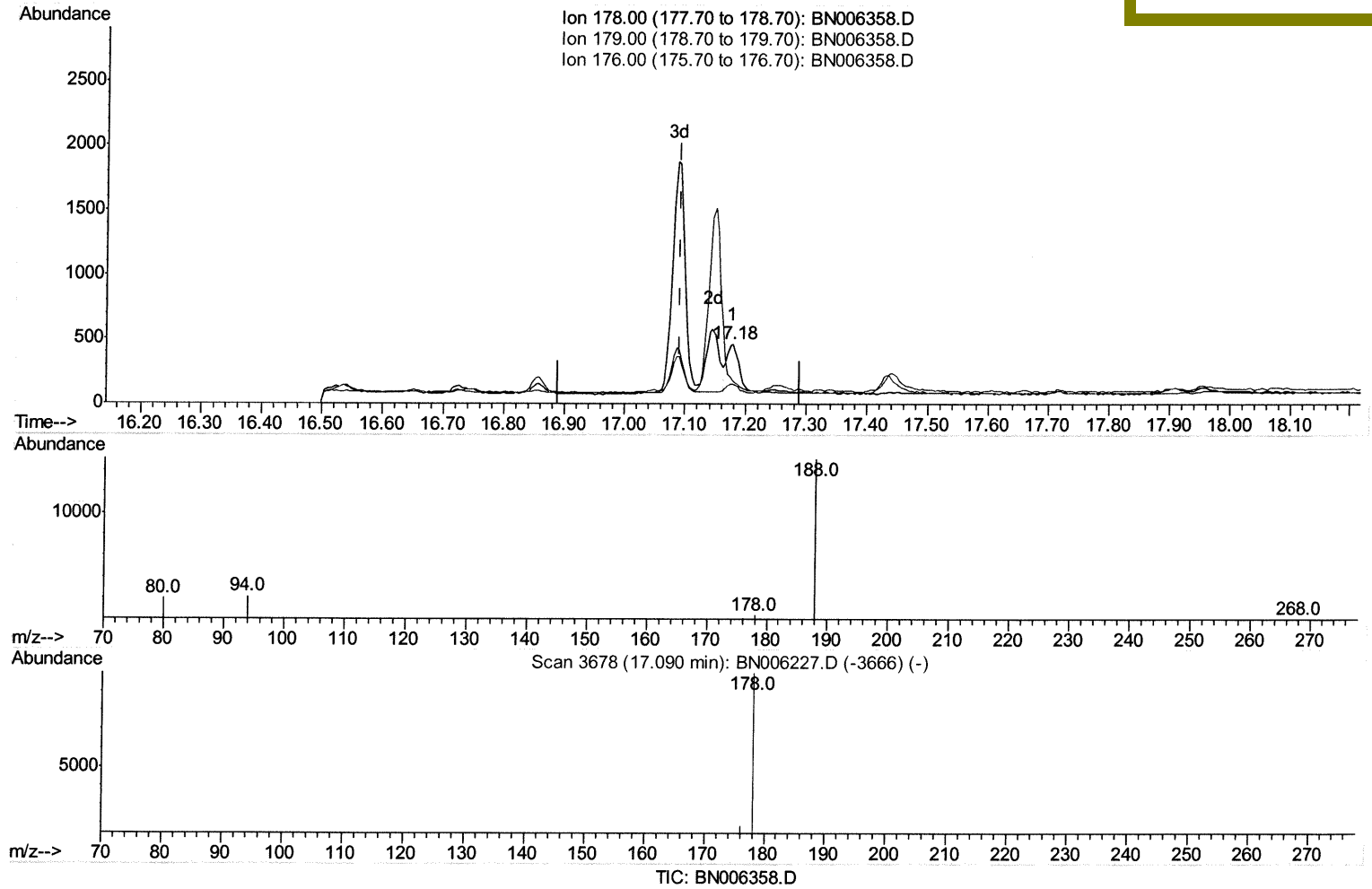
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:00:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
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(12) Phenanthrene

17.179min (+0.089) 0.01ng/ul

response 546

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	38.31#
176.00	19.10	32.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

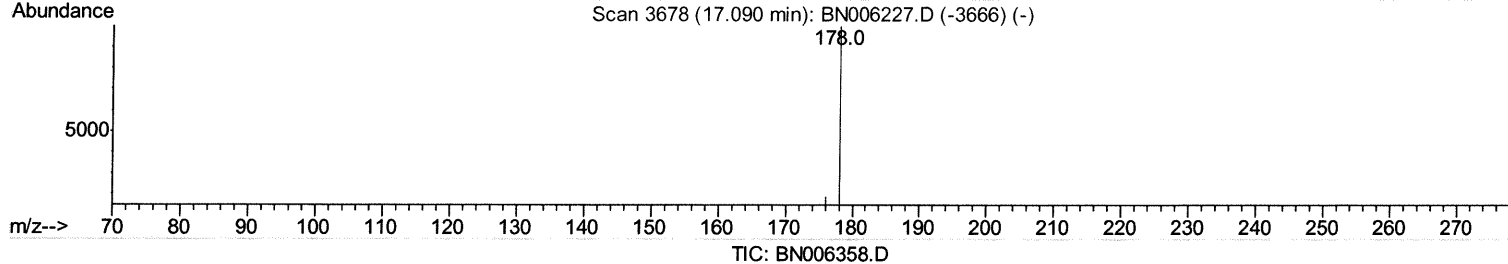
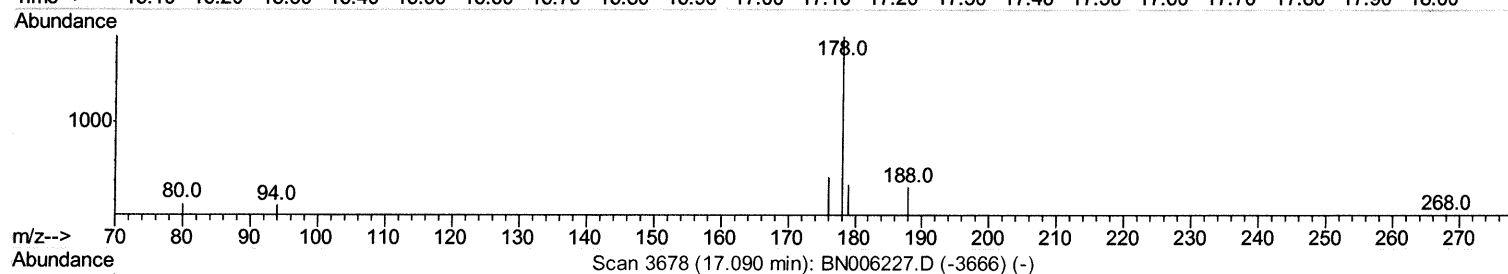
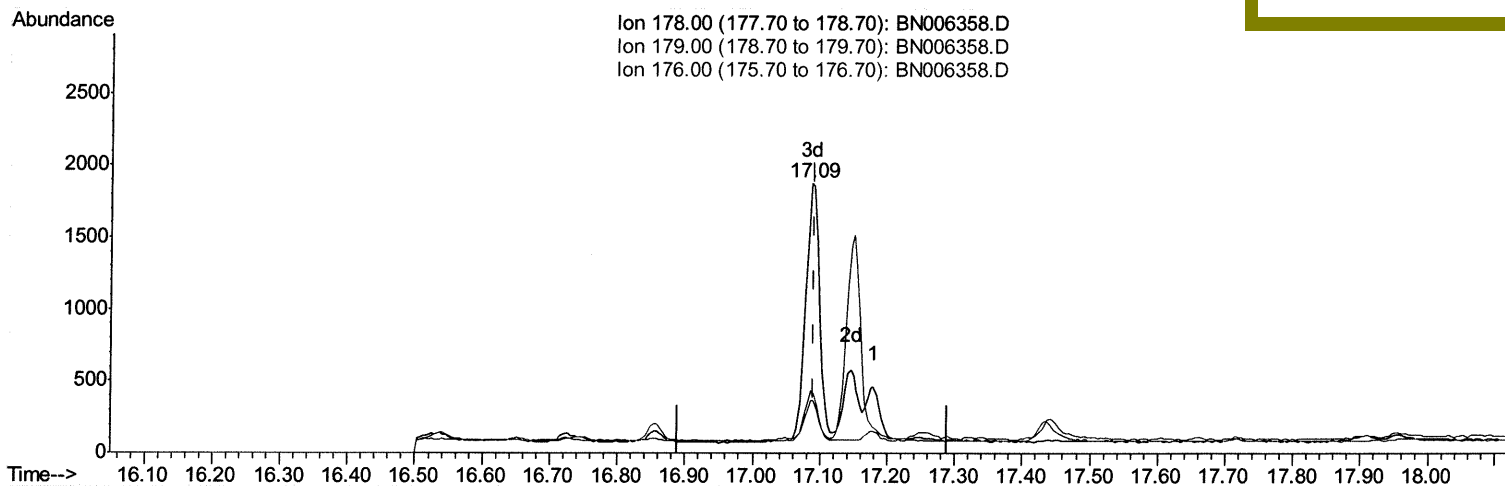
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:00:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
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(12) Phenanthrene

17.086min (-0.004) 0.04ng/ul m

JU
 06/18/19

response 2581

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	19.52#
176.00	19.10	23.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

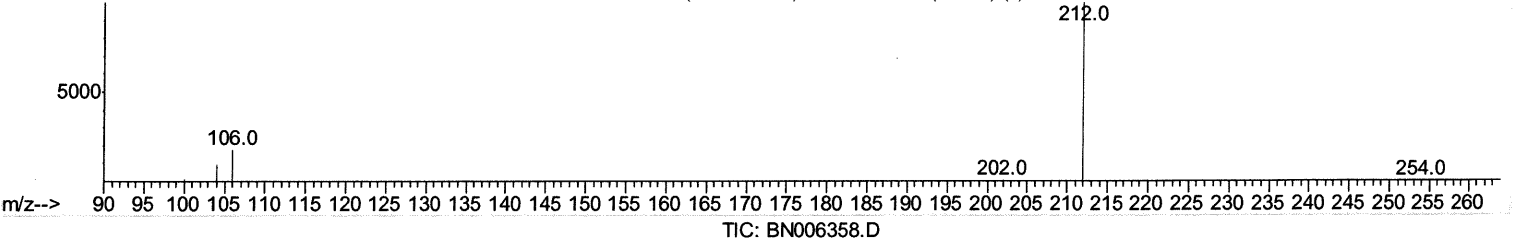
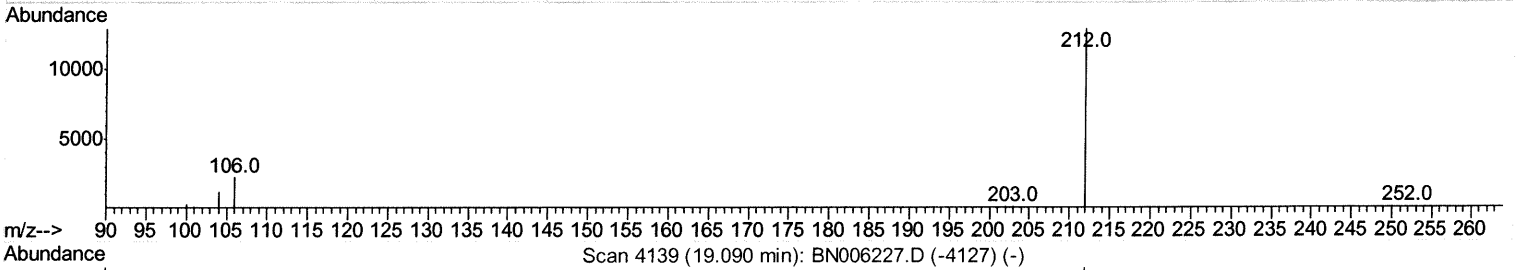
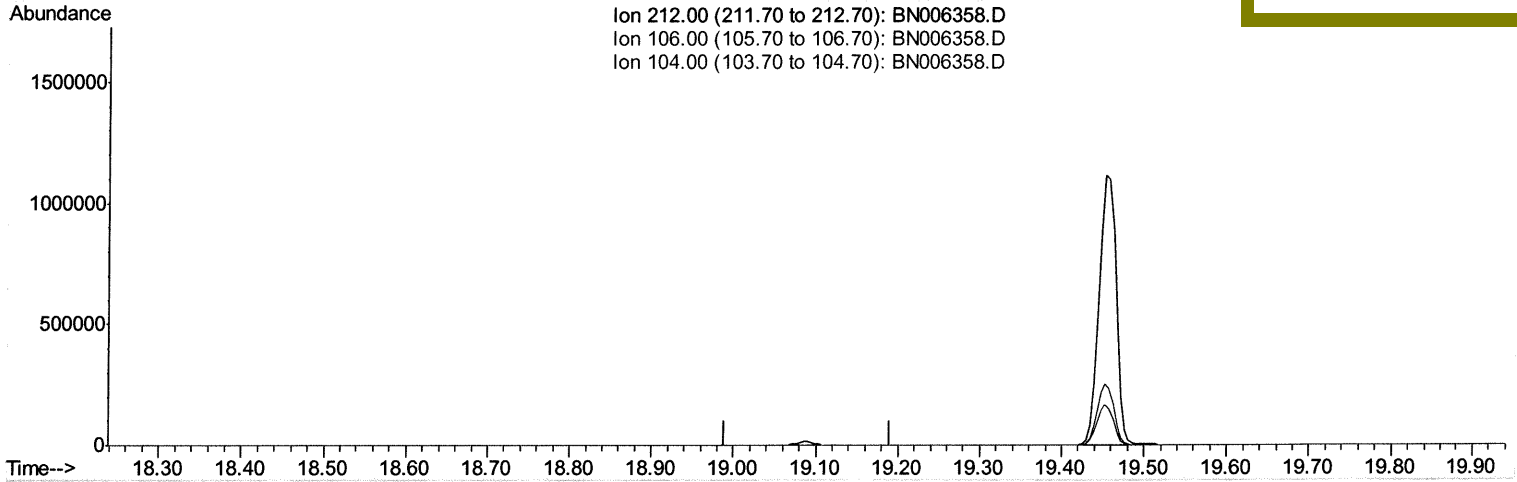
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 A41X0

Quant Time: Jun 18 04:01:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
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(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

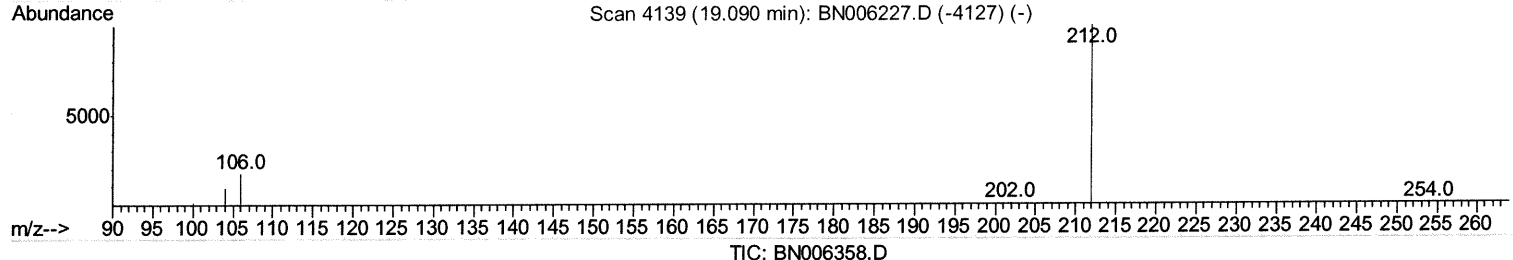
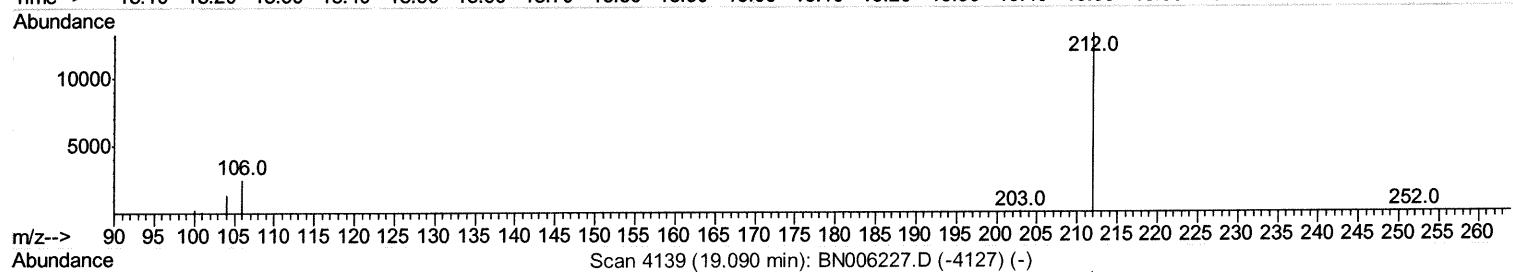
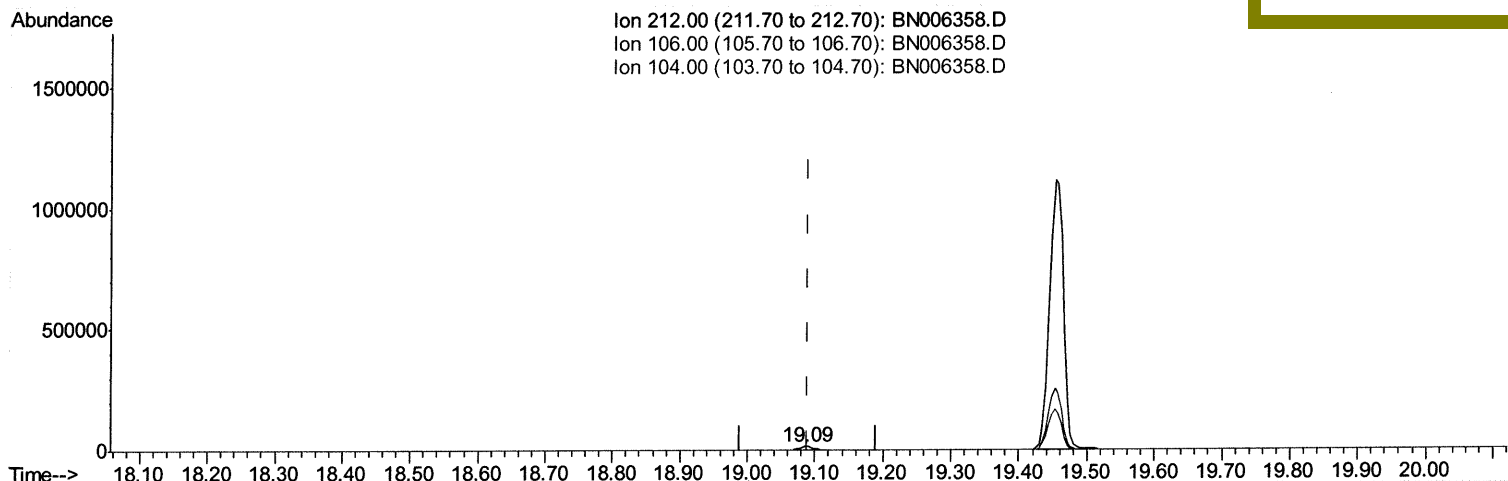
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:01:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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(14) Fluoranthene-d10 (SURR)

19.085min (-0.005) 0.35ng/ul m ^{JU} 06/18/19

response 18851

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

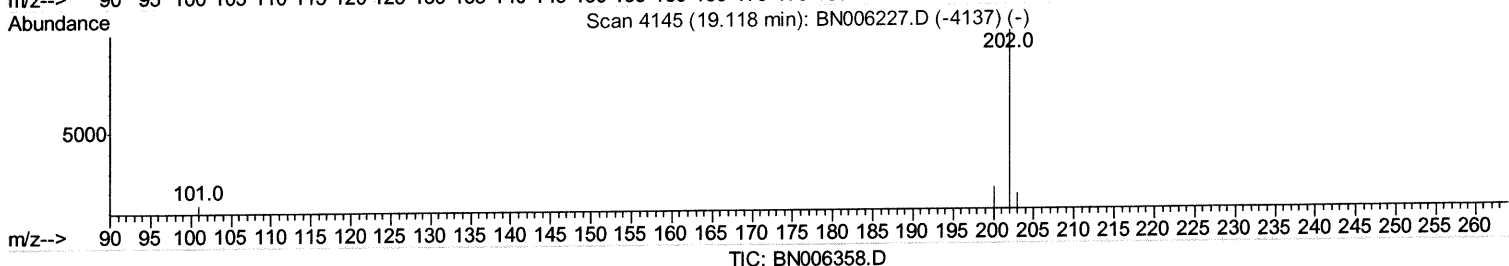
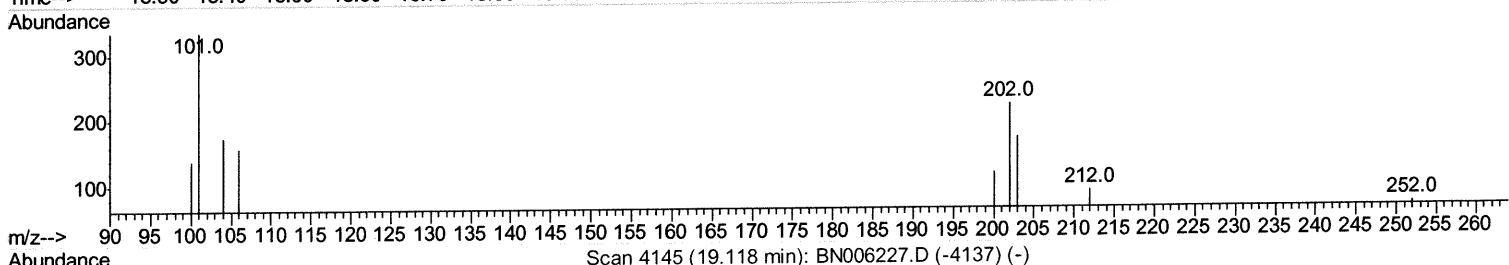
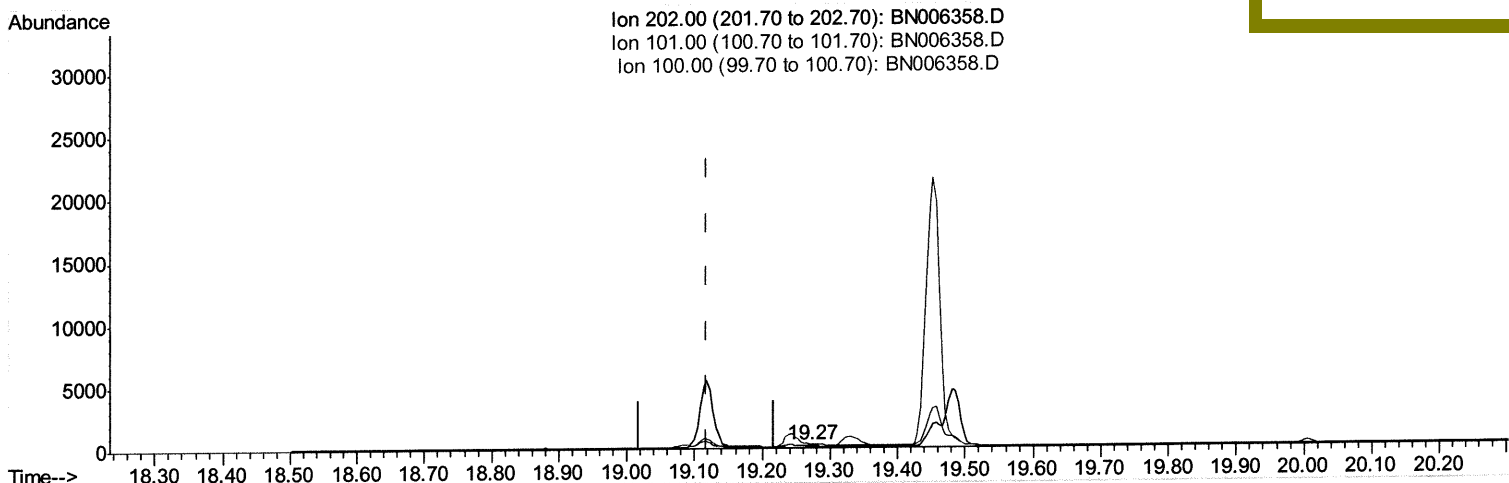
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:01:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
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(15) Fluoranthene (C)

19.271min (+0.153) 0.00ng/ul

response 160

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	150.90#
100.00	8.70	62.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

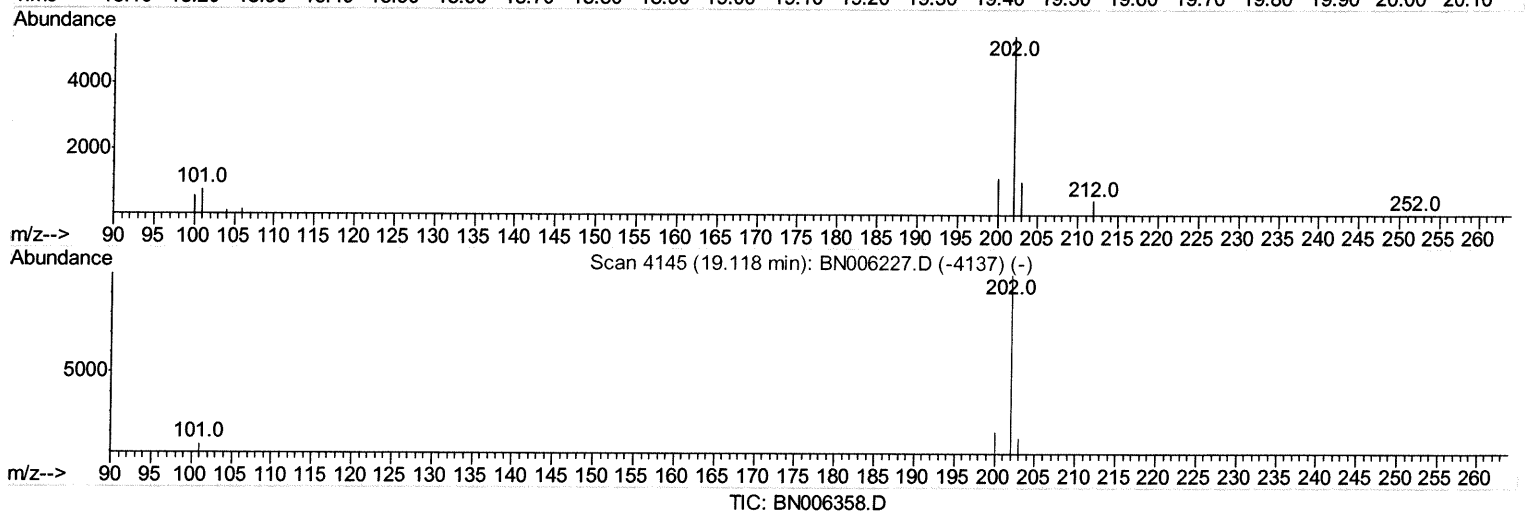
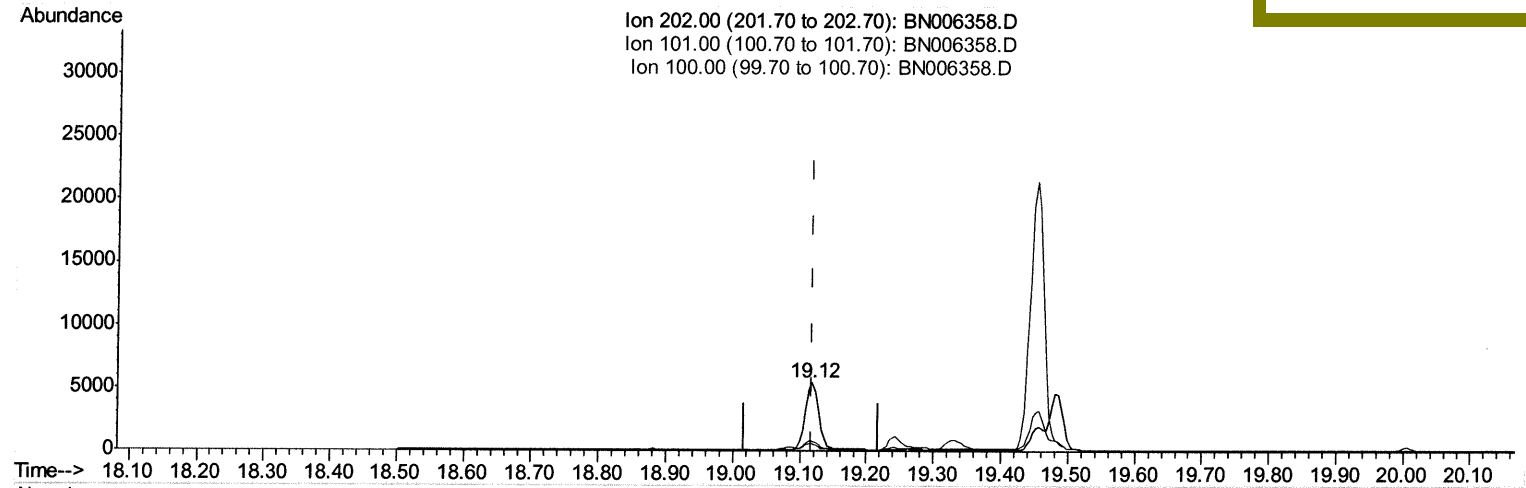
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:01:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
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(15) Fluoranthene (C)

19.118min (-0.000) 0.10ng/ul m

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 06/18/19

response 7443

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	14.89
100.00	8.70	11.11
0.00	0.00	0.00

Quantitation Report (Qedit)

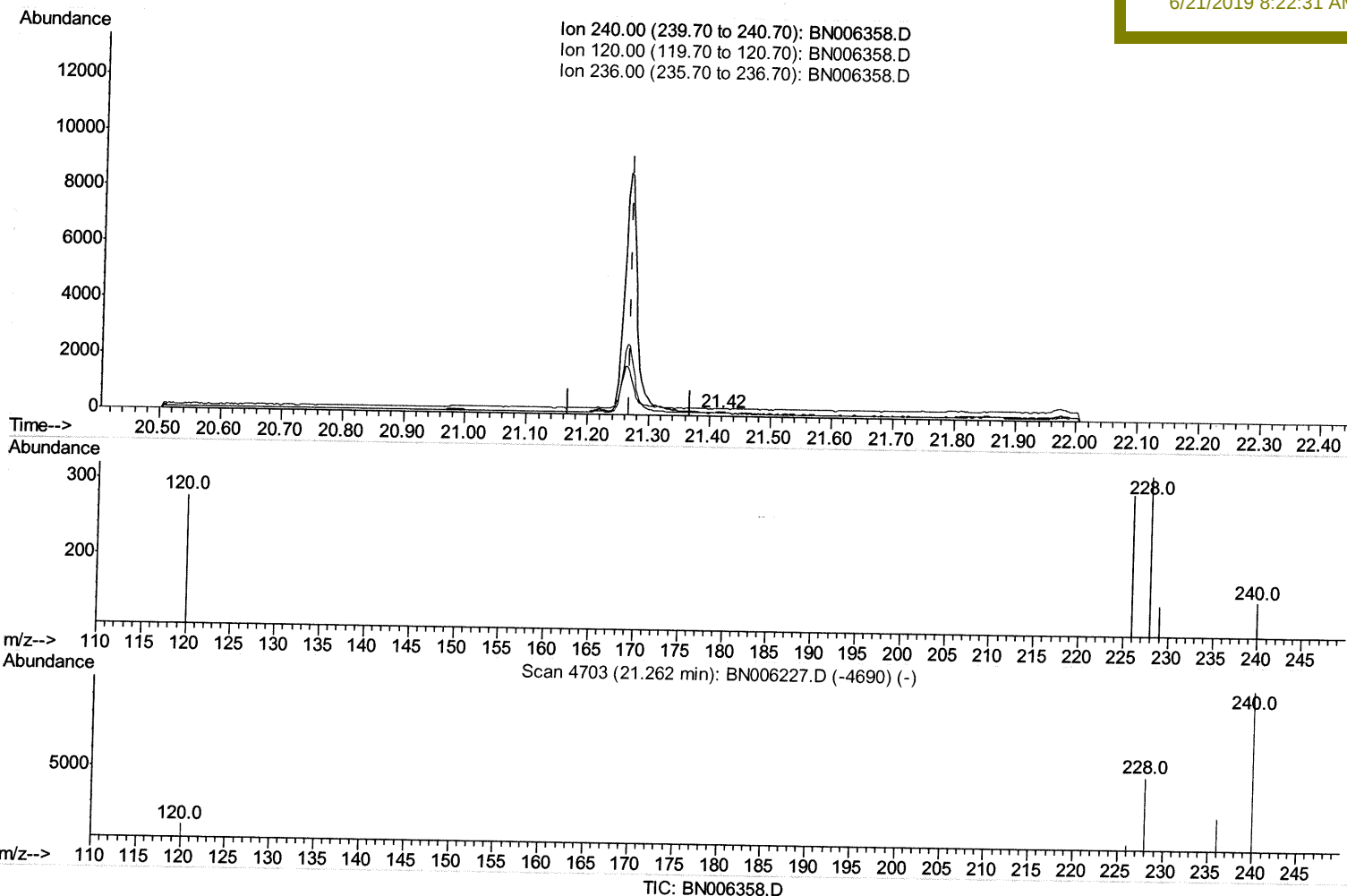
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:01:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:31 AM



(16) Chrysene-d12 (I)

21.419min (+0.151) 0.40ng/ul

response 65

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	179.87#
236.00	30.10	70.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

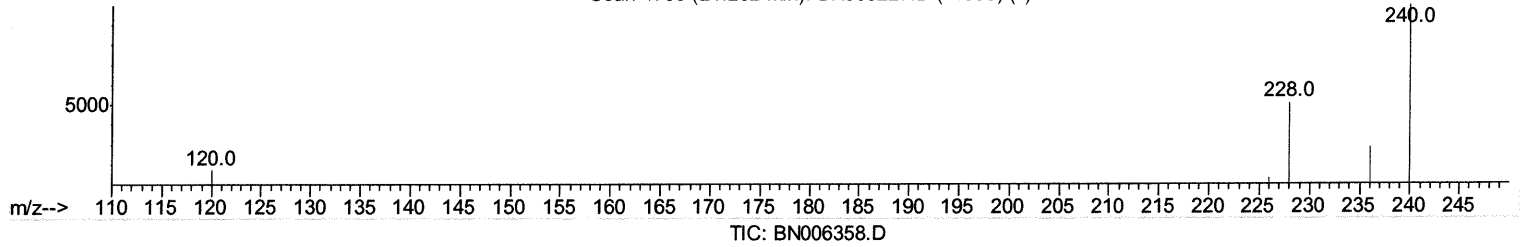
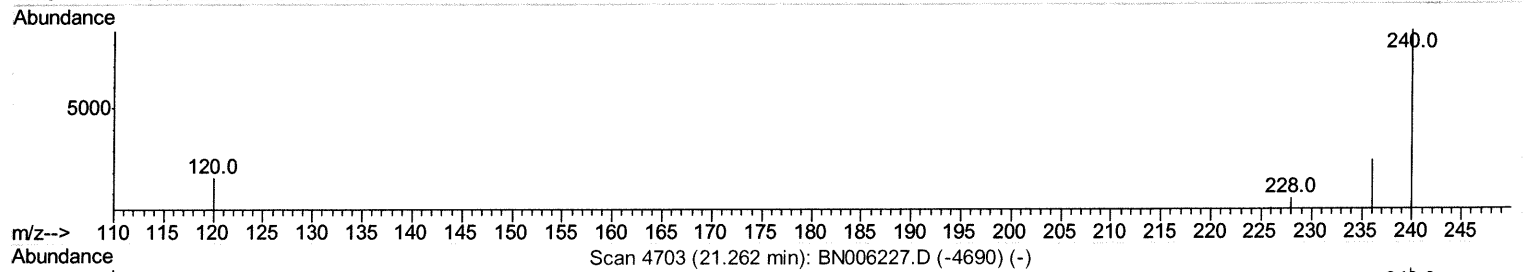
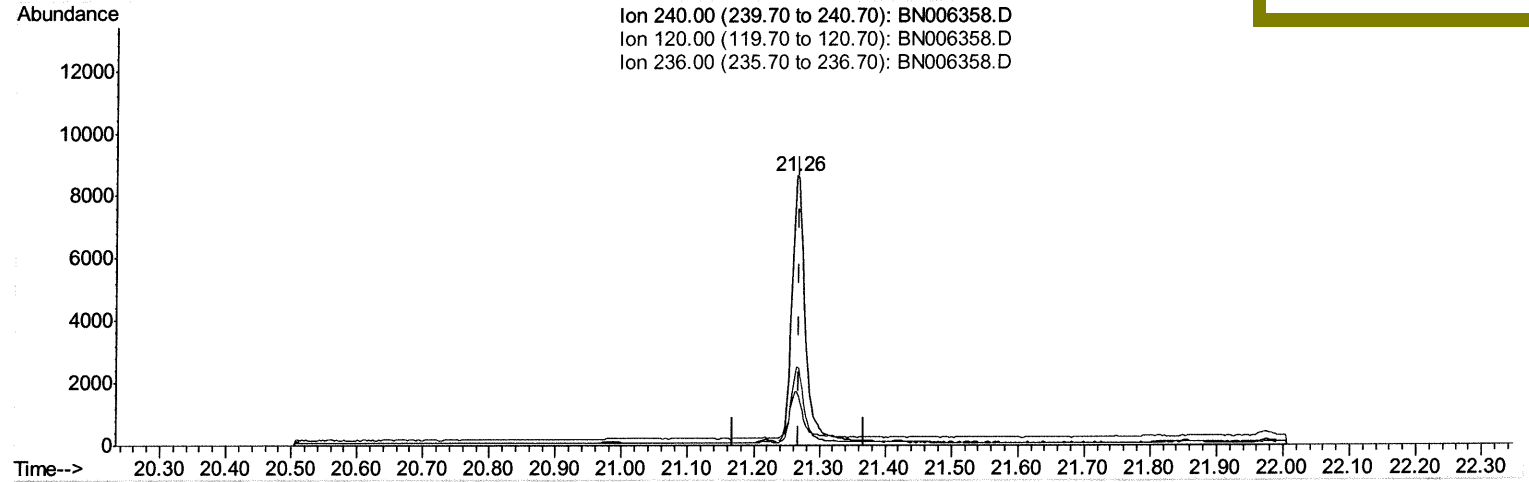
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:01:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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 6/21/2019 8:22:31 AM



(16) Chrysene-d12 (I)

21.264min (-0.004) 0.40ng/ul m *JU 06/18/19*

response 12162

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	19.90
236.00	30.10	29.19
0.00	0.00	0.00

Quantitation Report (Qedit)

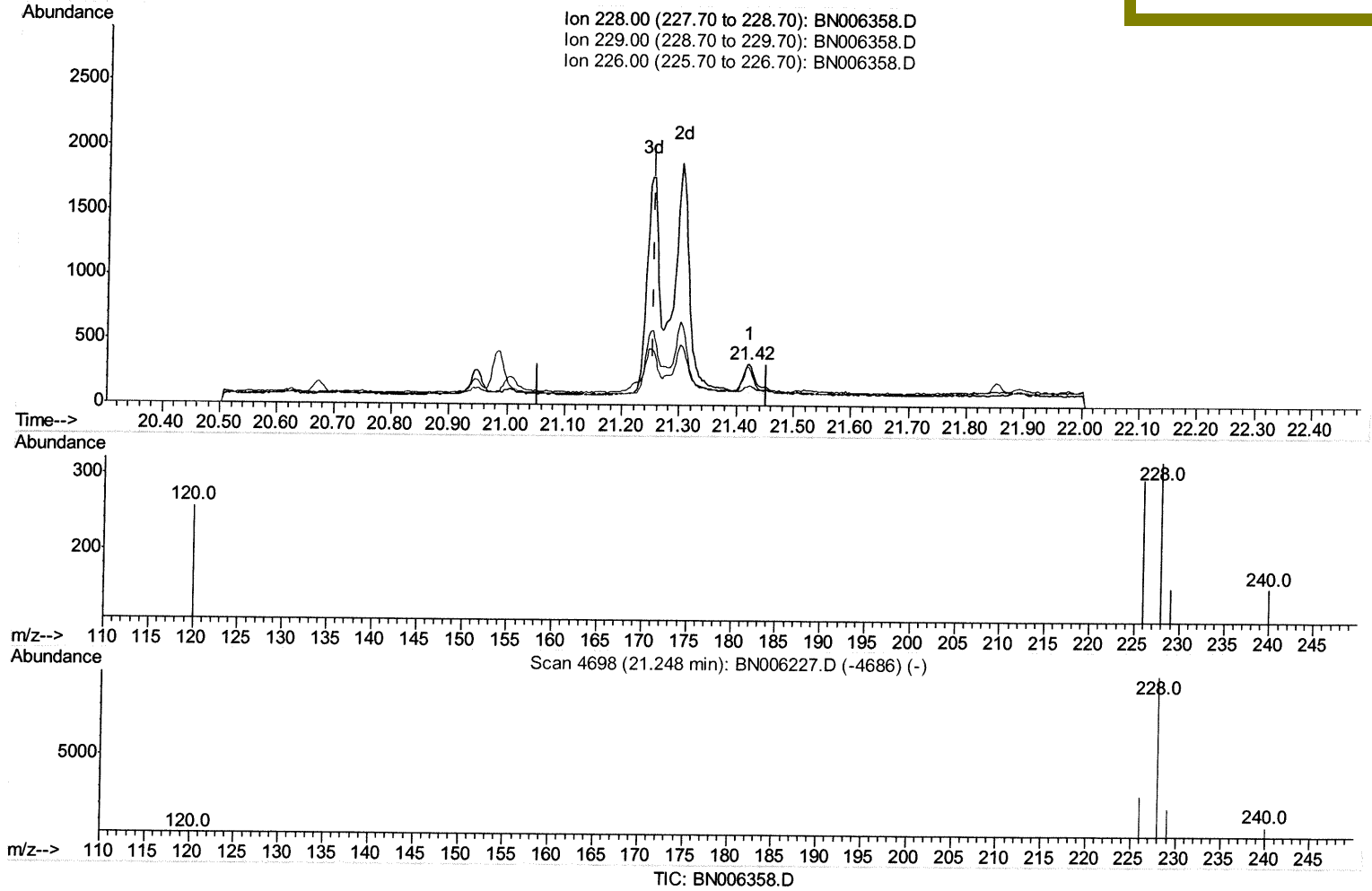
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:02:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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 6/21/2019 8:22:31 AM



(18) Benzo(a)anthracene
 21.422min (+0.168) 0.01ng/ul
 response 386

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	47.66#
226.00	28.50	92.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

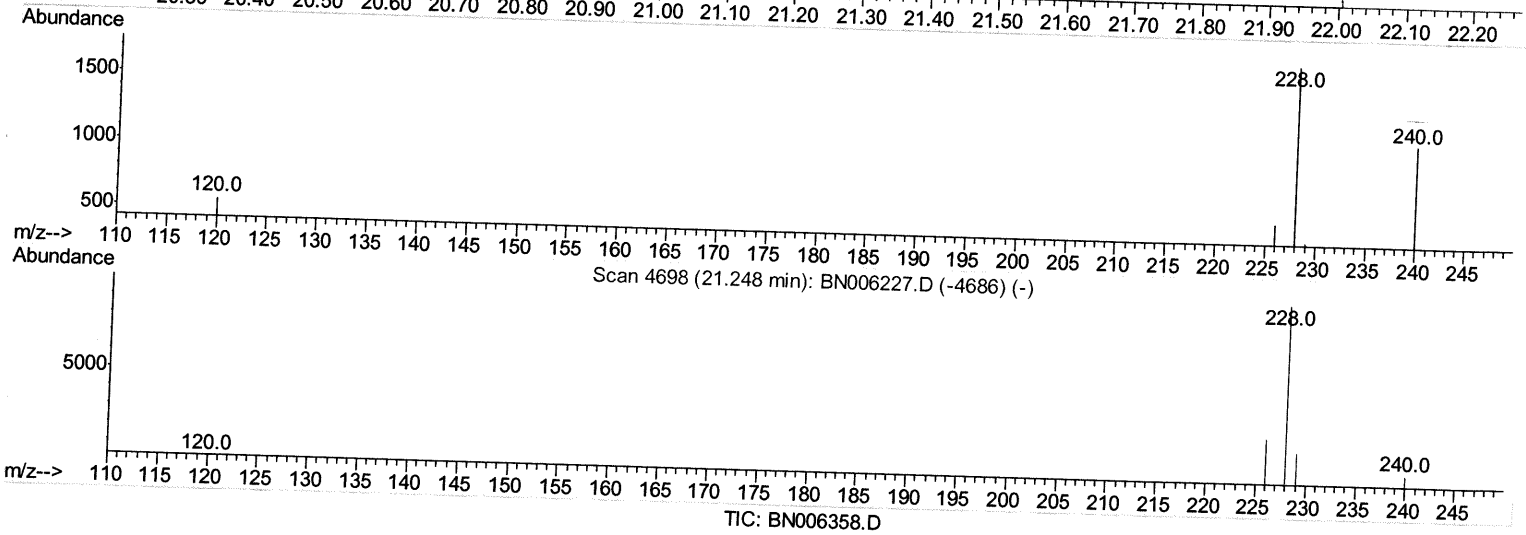
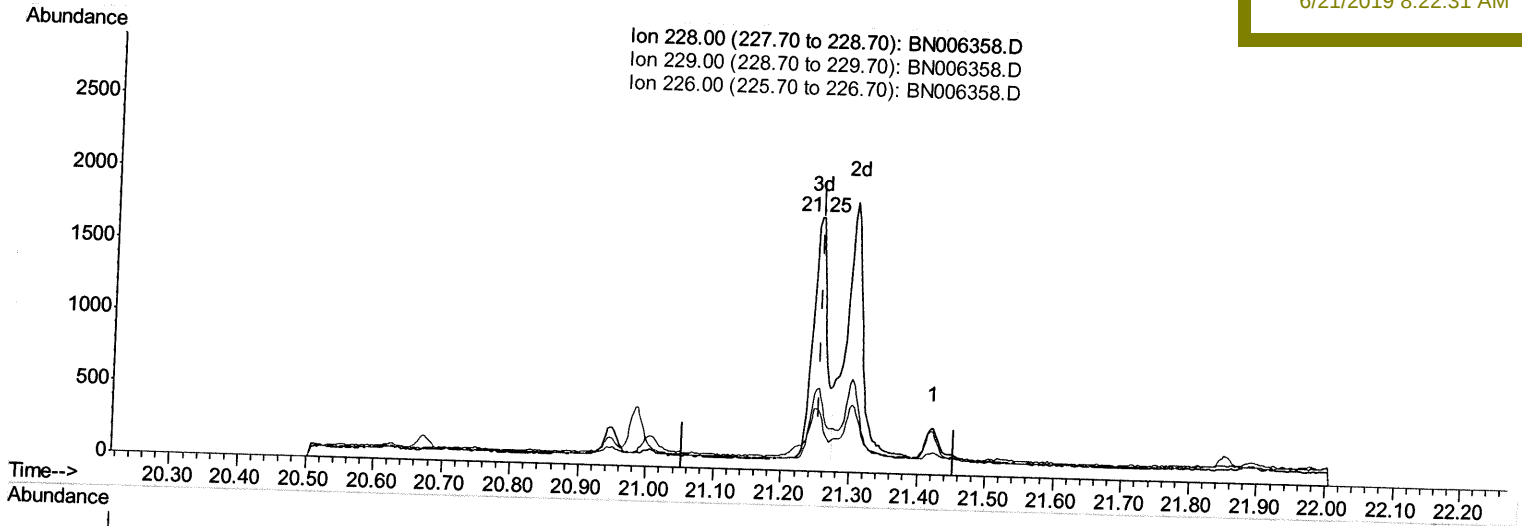
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:02:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
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 6/21/2019 8:22:31 AM



(18) Benzo(a)anthracene

21.249min (-0.004) 0.05ng/ul m

JU
 06/18/19

response 2453

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	24.80#
226.00	28.50	32.46
0.00	0.00	0.00

Quantitation Report (Qedit)

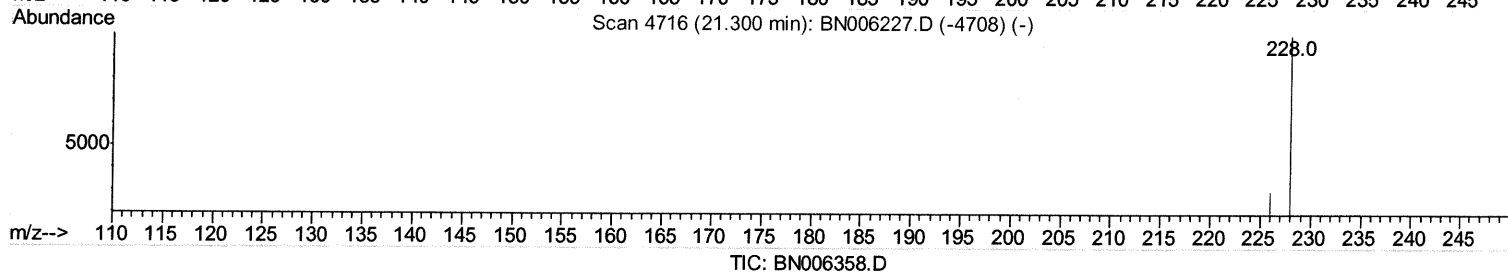
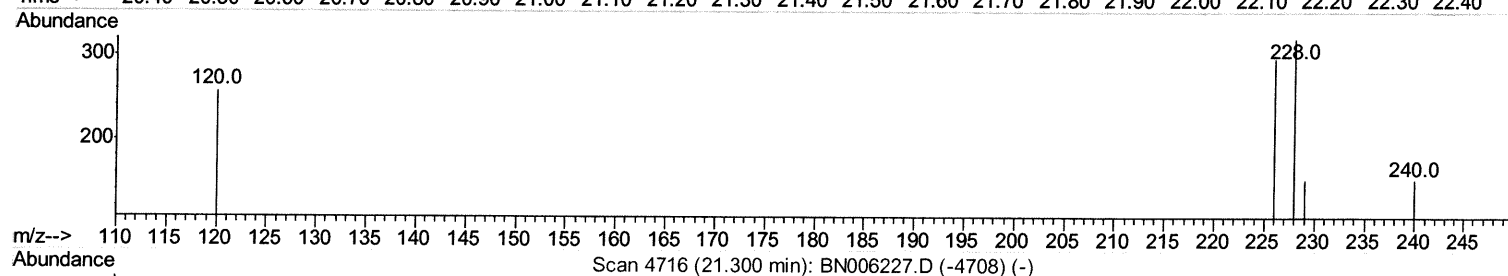
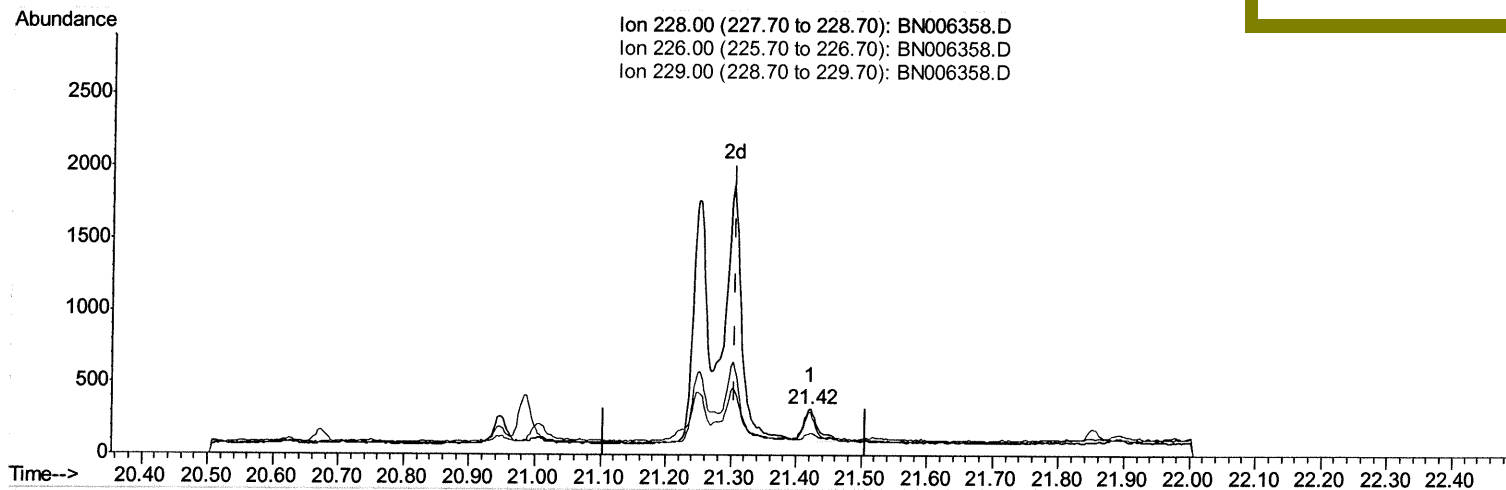
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
Data File : BN006358.D
Acq On : 17 Jun 2019 21:01
Operator : JU/SJ
Sample : K3332-25
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A41X0

Manual Integrations
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Quant Time: Jun 18 04:02:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration



(19) Chrysene

21.422min (+0.116) 0.01ng/ul

response 380

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	92.52#
229.00	20.40	47.66#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
Data File : BN006358.D
Acq On : 17 Jun 2019 21:01
Operator : JU/SJ
Sample : K3332-25
Misc :
ALS Vial : 18 Sample Multiplier: 1

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6/21/2019 8:22:31 AM

Abundance

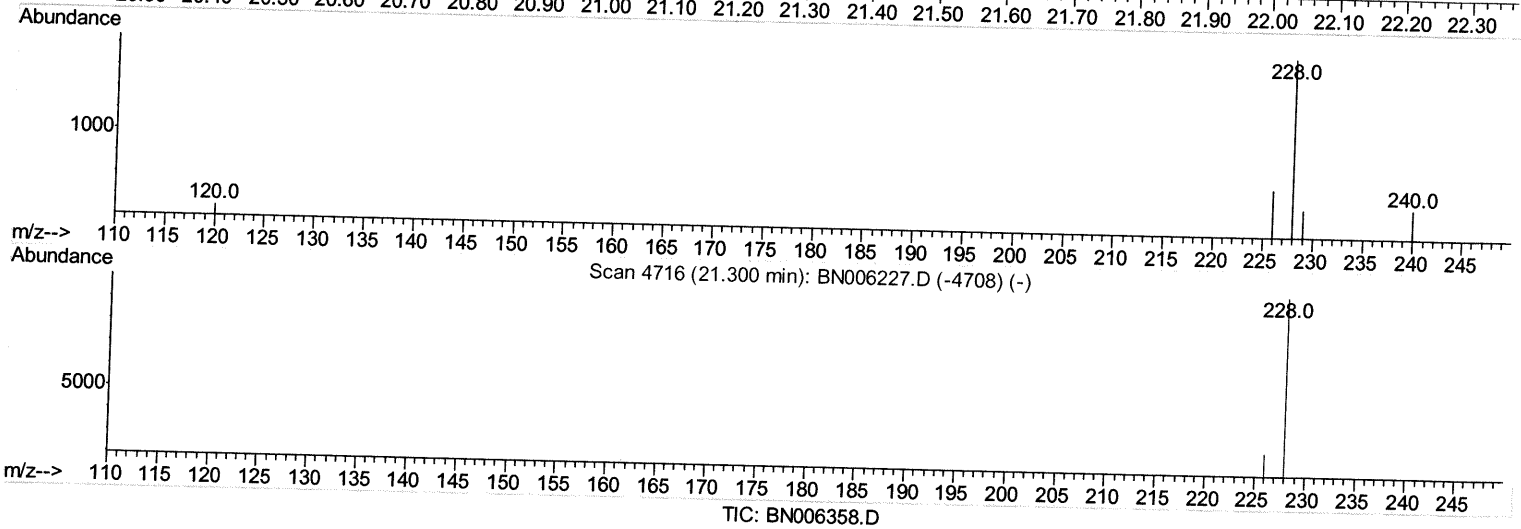
Ion 228.00 (227.70 to 228.70): BN006358.D
 Ion 226.00 (225.70 to 226.70): BN006358.D
 Ion 229.00 (228.70 to 229.70): BN006358.D

2d
21.30

1

Time--> 20.30 20.40 20.50 20.60 20.70 20.80 20.90 21.00 21.10 21.20 21.30 21.40 21.50 21.60 21.70 21.80 21.90 22.00 22.10 22.20 22.30

Abundance



Ion	Exp%	Act%
228.00	100	100
226.00	31.30	34.72
229.00	20.40	25.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

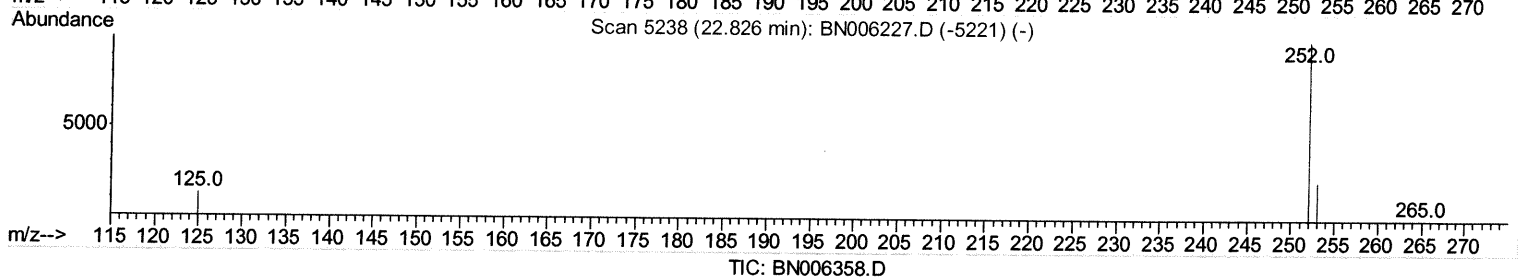
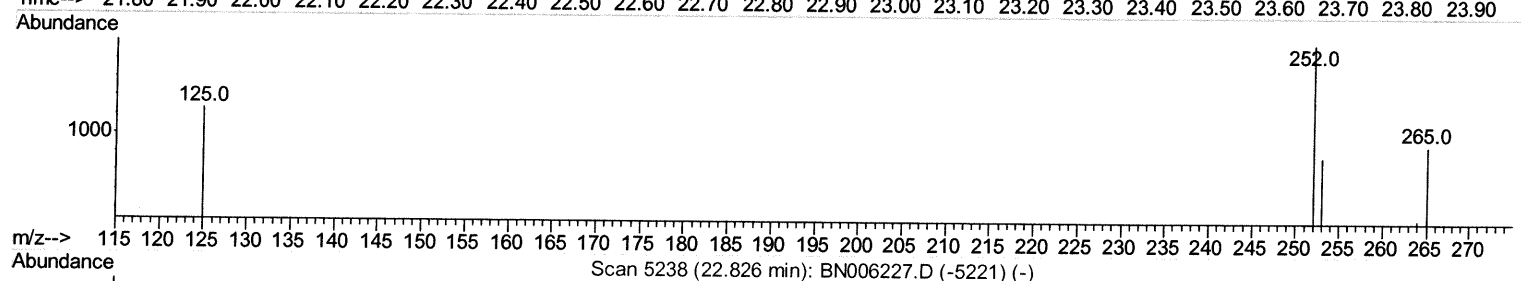
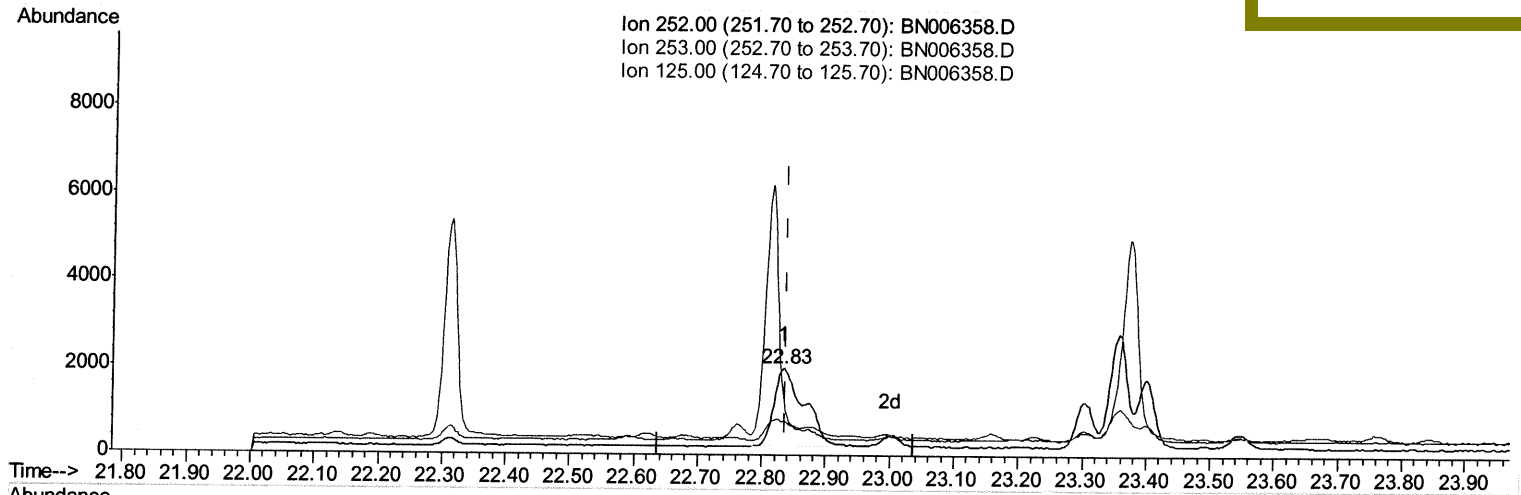
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:02:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
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(21) Benzo(b)fluoranthene

22.833min (-0.004) 0.07ng/ul

response 6047

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	39.78
125.00	20.50	63.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

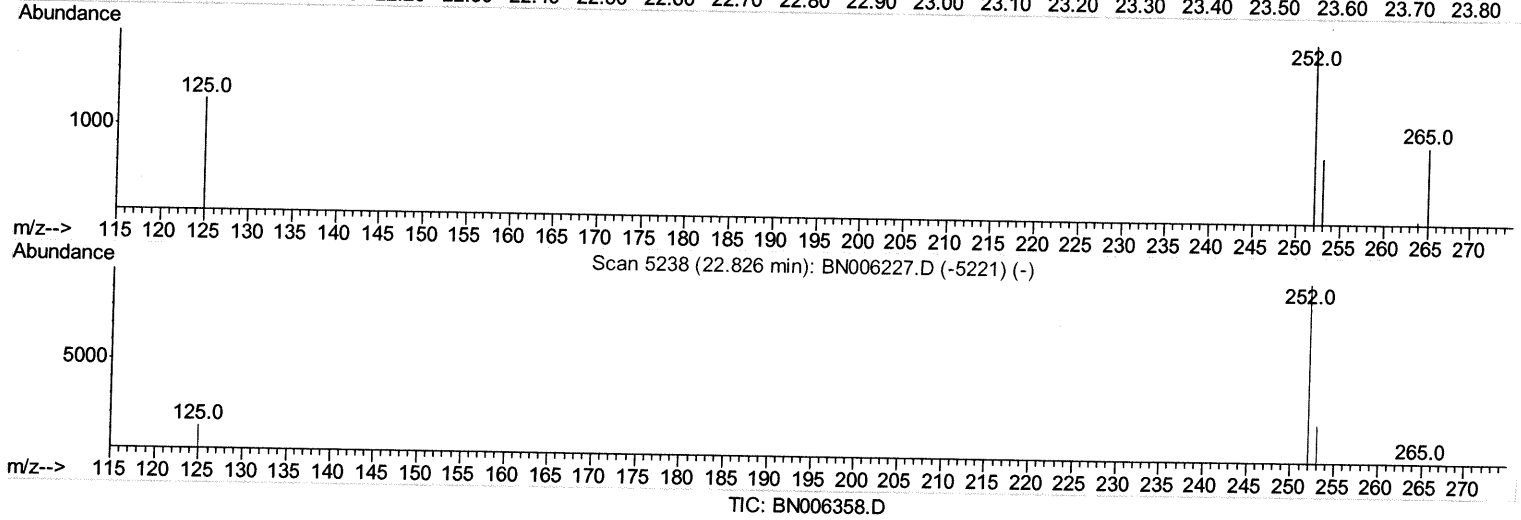
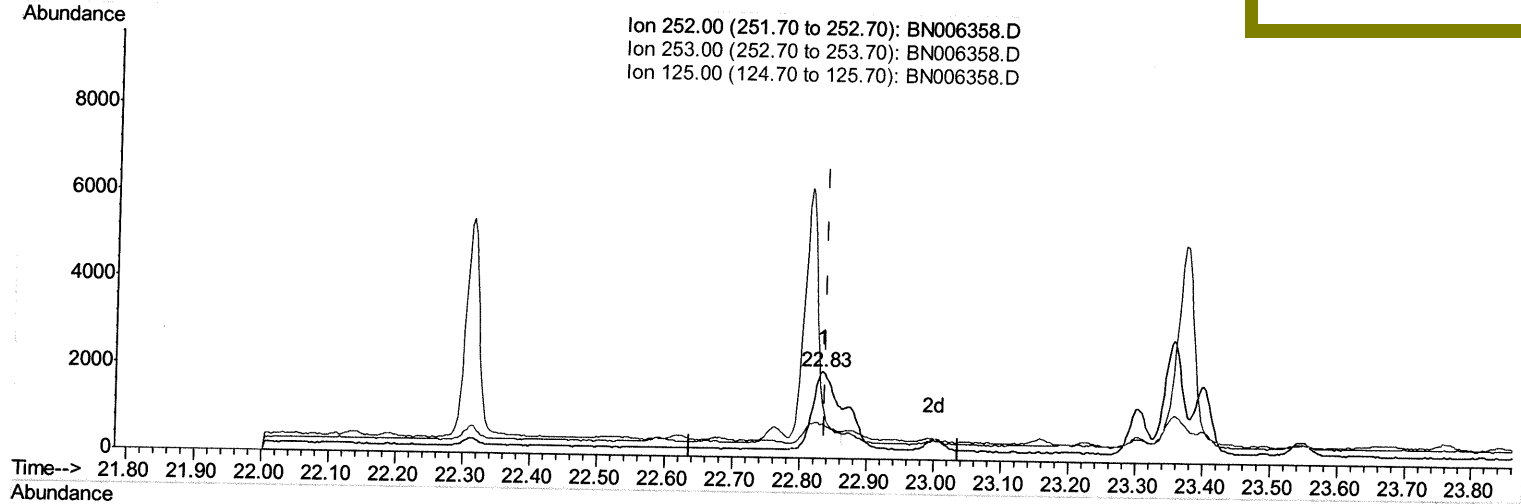
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006358.D
 Acq On : 17 Jun 2019 21:01
 Operator : JU/SJ
 Sample : K3332-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X0

Quant Time: Jun 18 04:02:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 6/21/2019 8:22:31 AM



(21) Benzo(b)fluoranthene

22.833min (-0.004) 0.05ng/ul m

JU
 06/18/19

response 4246

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	39.78
125.00	20.50	63.73#
0.00	0.00	0.00

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Quant Time: Jun 18 04:04:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	5022	0.40	nq/ul	0.00
2) Naphthalene-d8	10.42	136	20391	0.40	nq/ul	0.00
6) Acenaphthene-d10	14.29	164	11377	0.40	nq/ul	0.00
10) Phenanthrene-d10	17.05	188	19999m>	0.40	nq/ul	0.00
16) Chrysene-d12	21.26	240	12162m>	0.40	nq/ul	0.00
20) Perylene-d12	23.50	264	21238	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	10407	0.33	nq/ul	0.00
14) Fluoranthene-d10	19.09	212	18851m>	0.35	ng/ul	0.00
Target Compounds						
12) Phenanthrene	17.09	178	2581m>	0.040	nq/ul	Ovalue 85
15) Fluoranthene	19.12	202	7443m>	0.105	nq/ul	
17) Pyrene	19.48	202	6114	0.095	nq/ul#	
18) Benzo(a)anthracene	21.25	228	2453m>	0.046	nq/ul	64
19) Chrysene	21.30	228	2951m>	0.058	nq/ul	
21) Benzo(b)fluoranthene	22.83	252	4246m>	0.048	nq/ul	
23) Benzo(a)pyrene	23.40	252	2643	0.032	nq/ul#	95
24) Indeno(1,2,3-cd)pyrene	25.74	276	1939	0.022	nq/ul#	
26) Benzo(q,h,i)perylene	26.42	276	2032	0.027	nq/ul#	

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

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