

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (QT Reviewed)

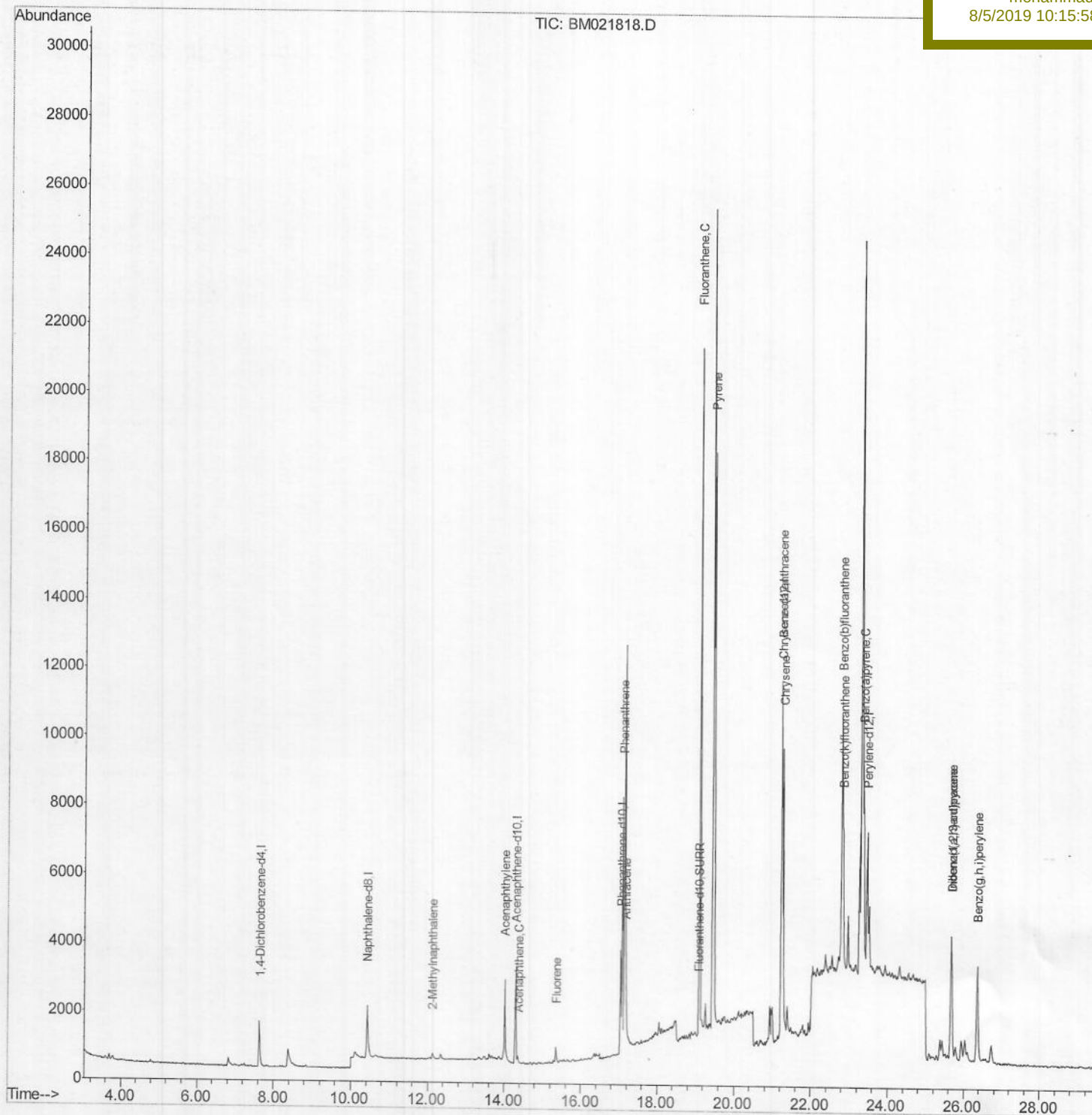
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:50:40 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
Client Sample ID :
BENS4DL

Manual Integrations
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8/5/2019 10:15:58 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

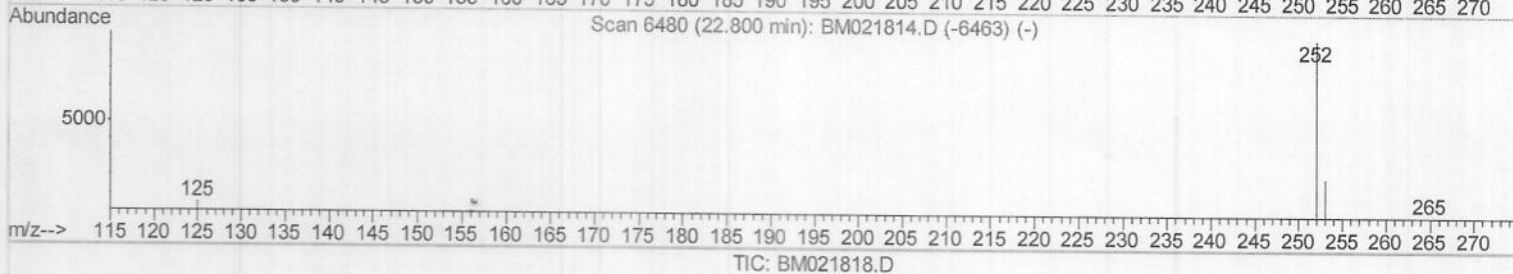
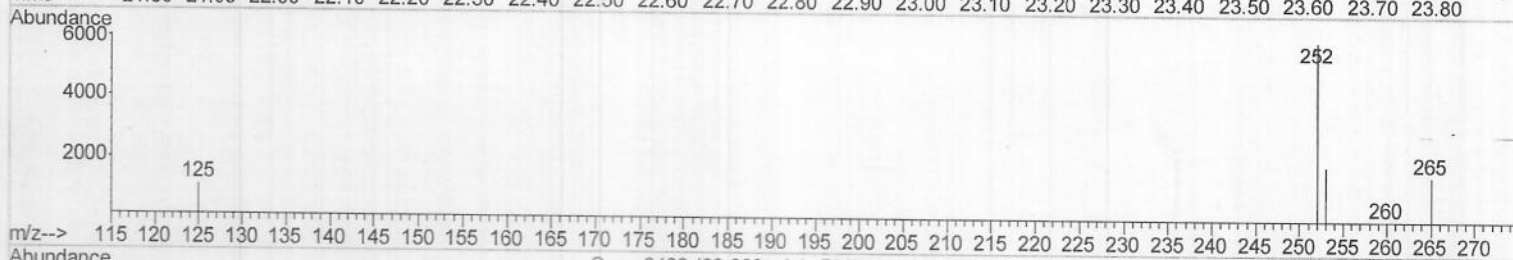
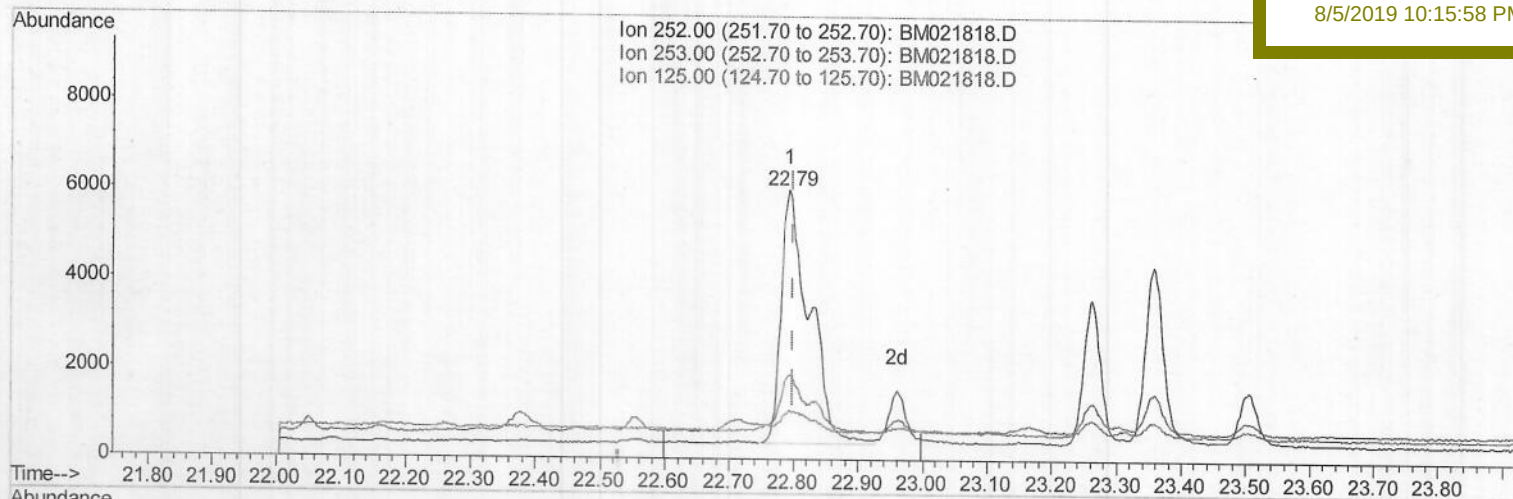
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:49:42 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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(21) Benzo(b)fluoranthene
22.793min (-0.007) 0.86ng/ul
response 17320

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	31.28
125.00	15.50	18.19
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

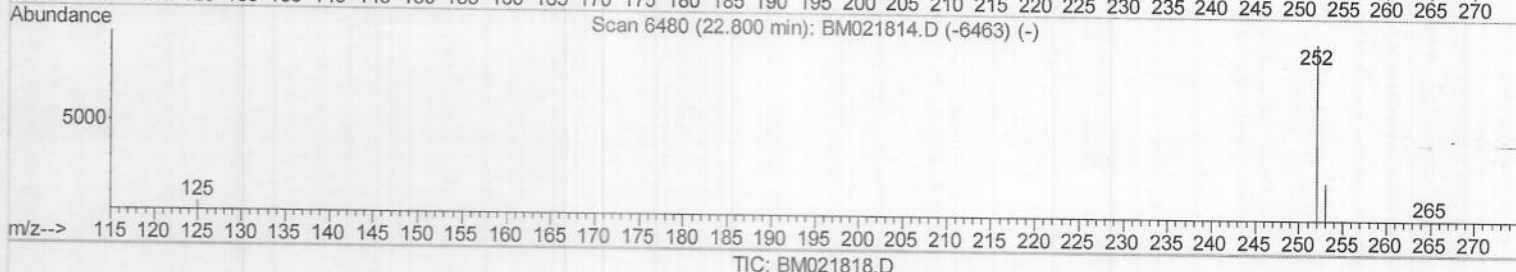
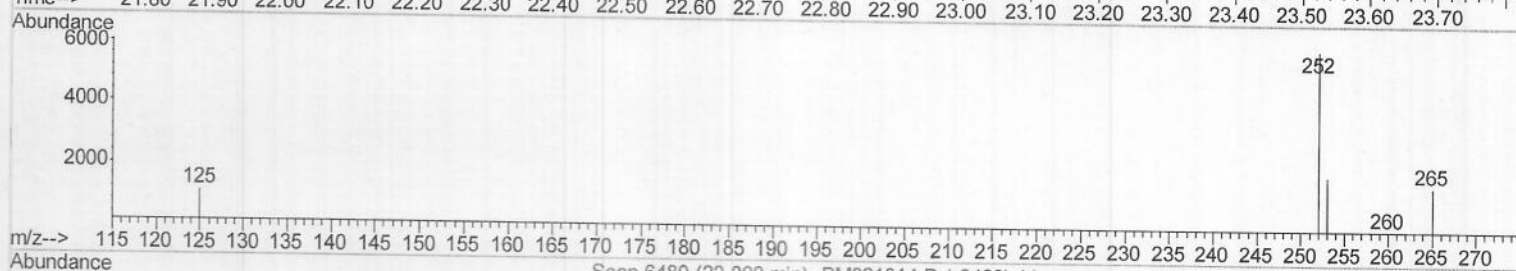
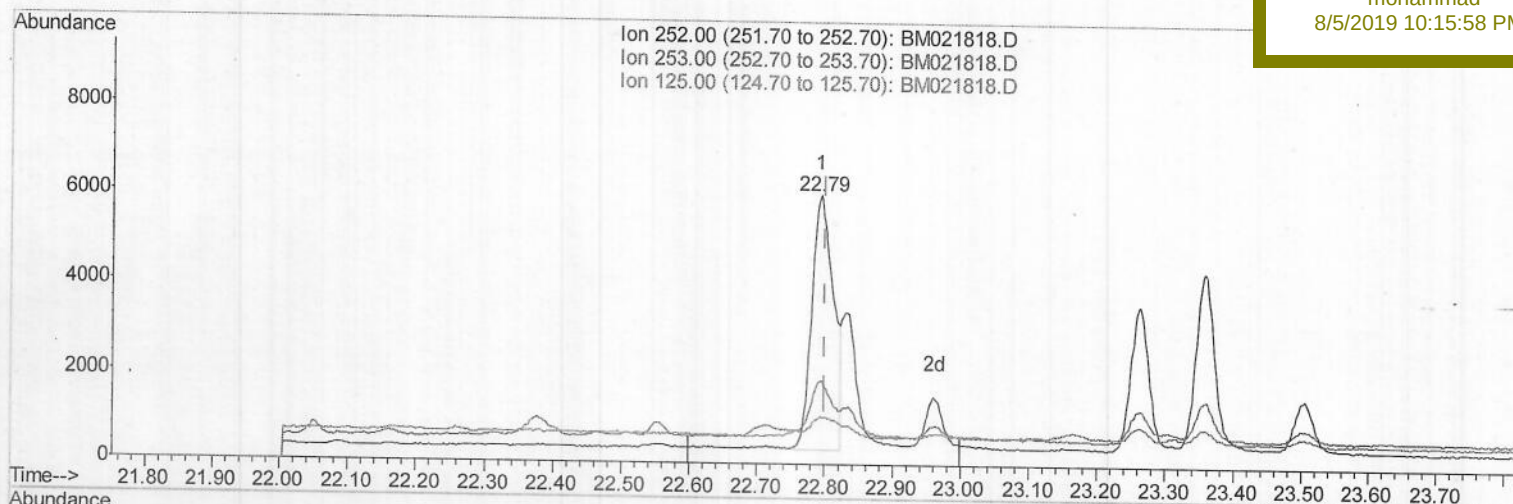
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:49:42 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
Client Sampled :
BENS4DL

Manual Integrations
APPROVED

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(21) Benzo(b)fluoranthene

22.793min (-0.007) 0.62ng/ul m >JU 08/05/19

response 12523

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	31.28
125.00	15.50	18.19
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

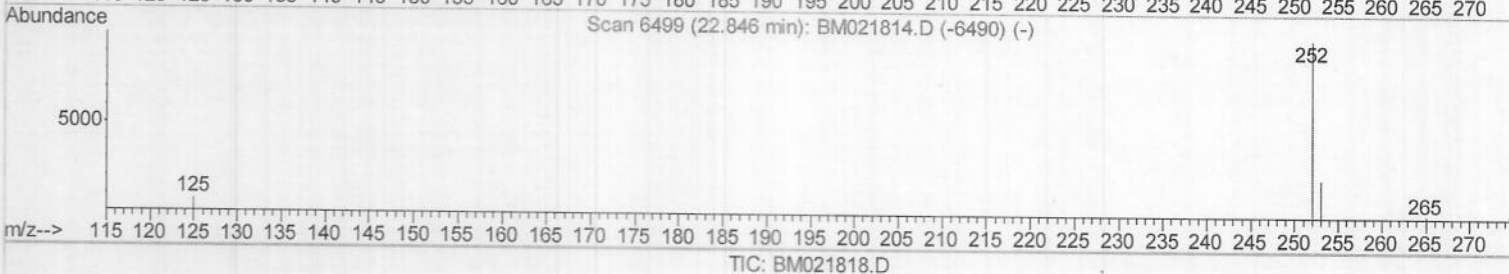
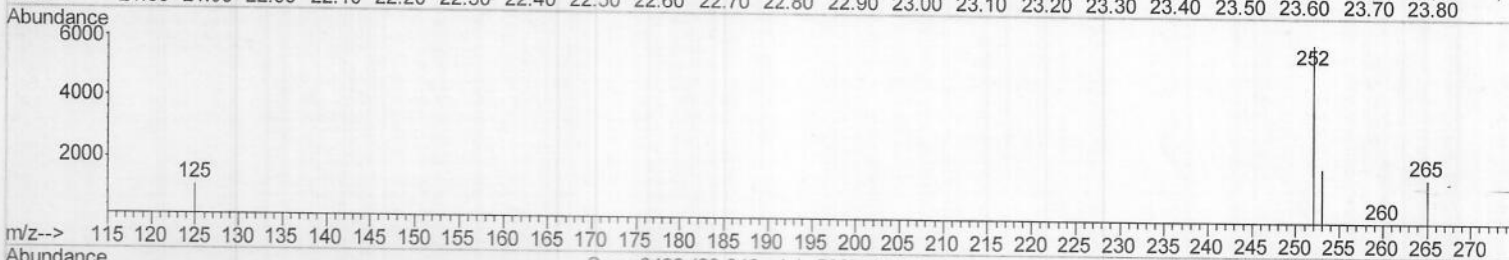
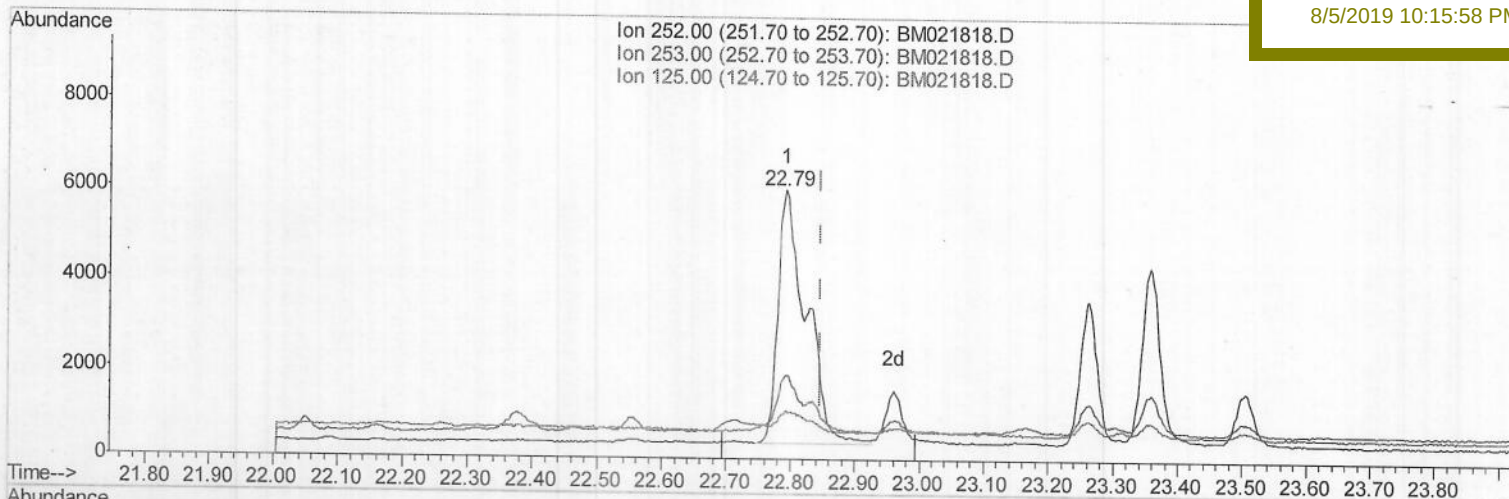
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:49:42 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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(22) Benzo(k)fluoranthene
22.793min (-0.053) 0.76ng/ul
response 17320

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	31.28
125.00	15.20	18.19
0.00	0.00	0.00

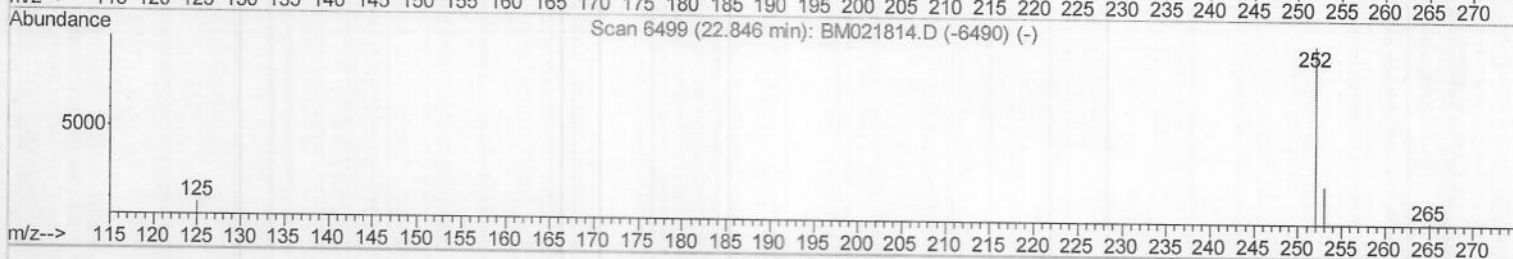
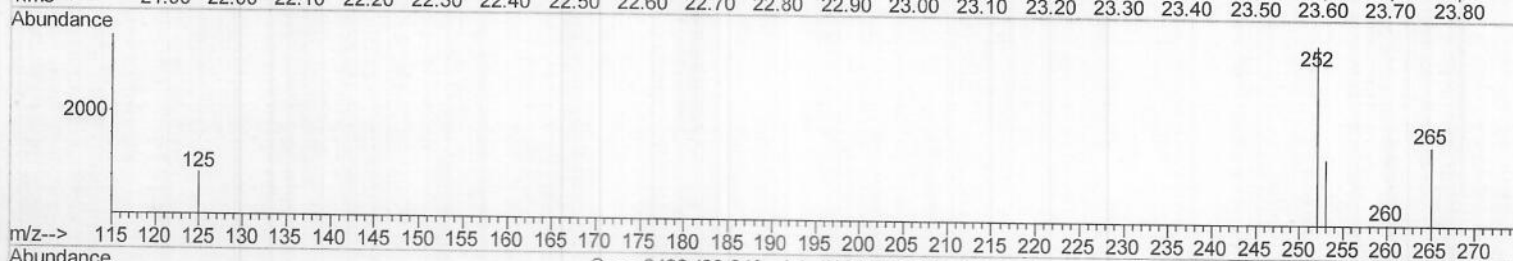
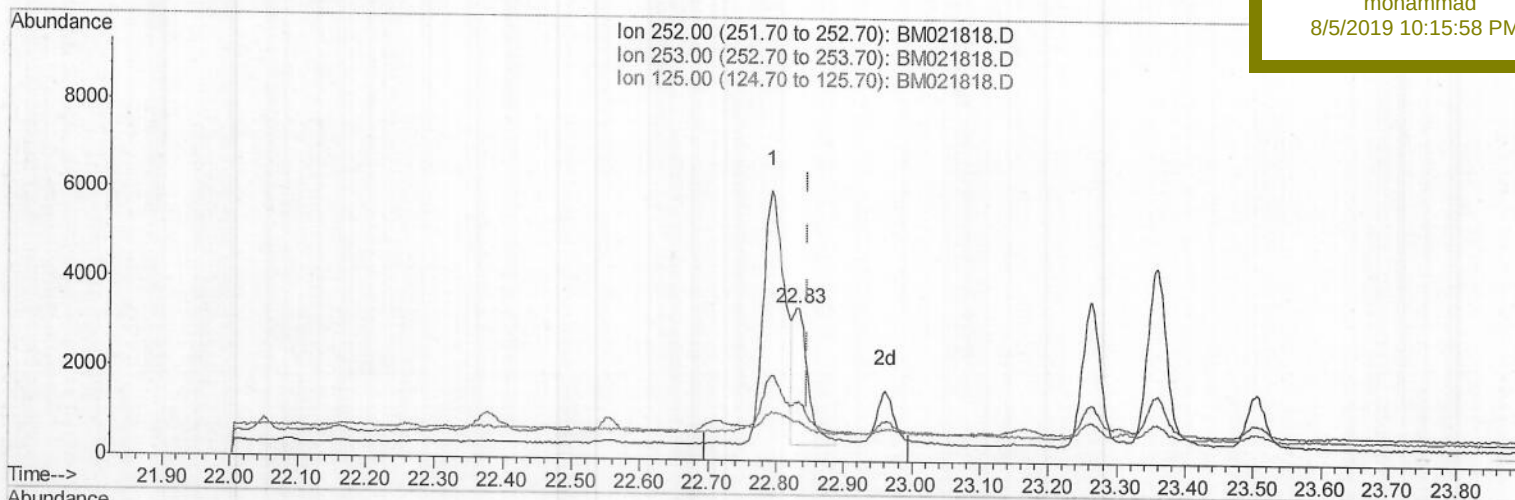
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:49:42 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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(22) Benzo(k)fluoranthene

22.832min (-0.014) 0.21ng/ul m 2508105119

response 4763

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	38.10
125.00	15.20	25.67#
0.00	0.00	0.00

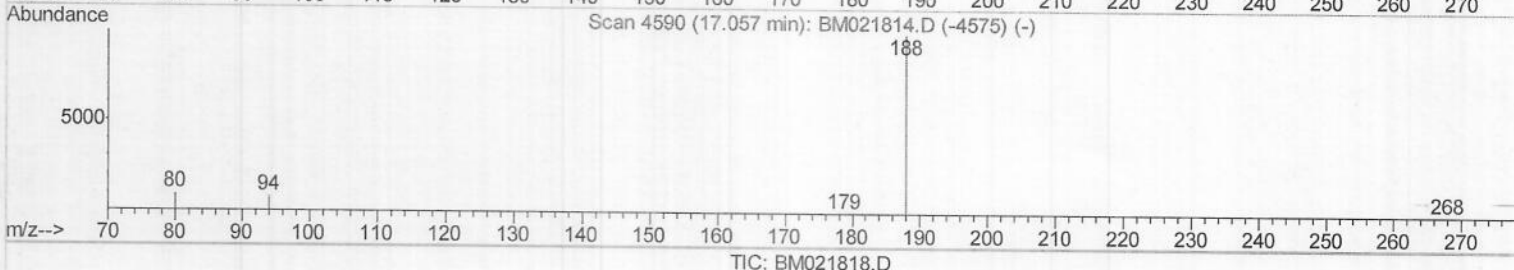
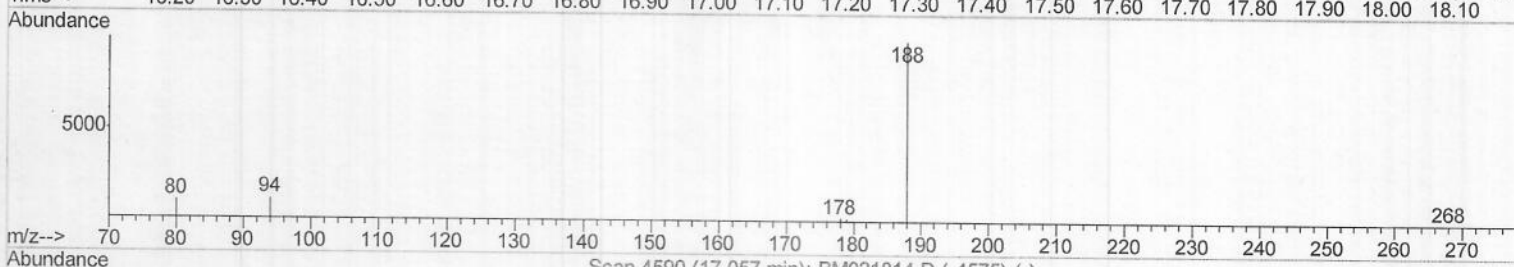
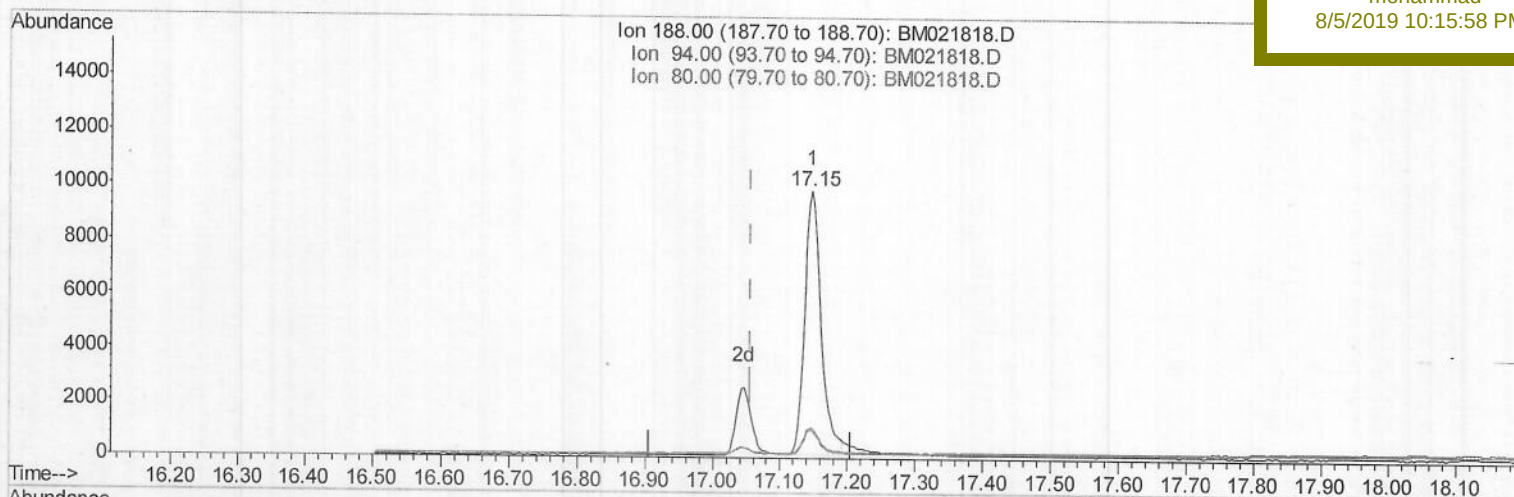
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:00:25 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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(10) Phenanthrene-d10 (I)
17.147min (+0.090) 0.40ng/ul
response 16616

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	11.53
80.00	11.40	10.43
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

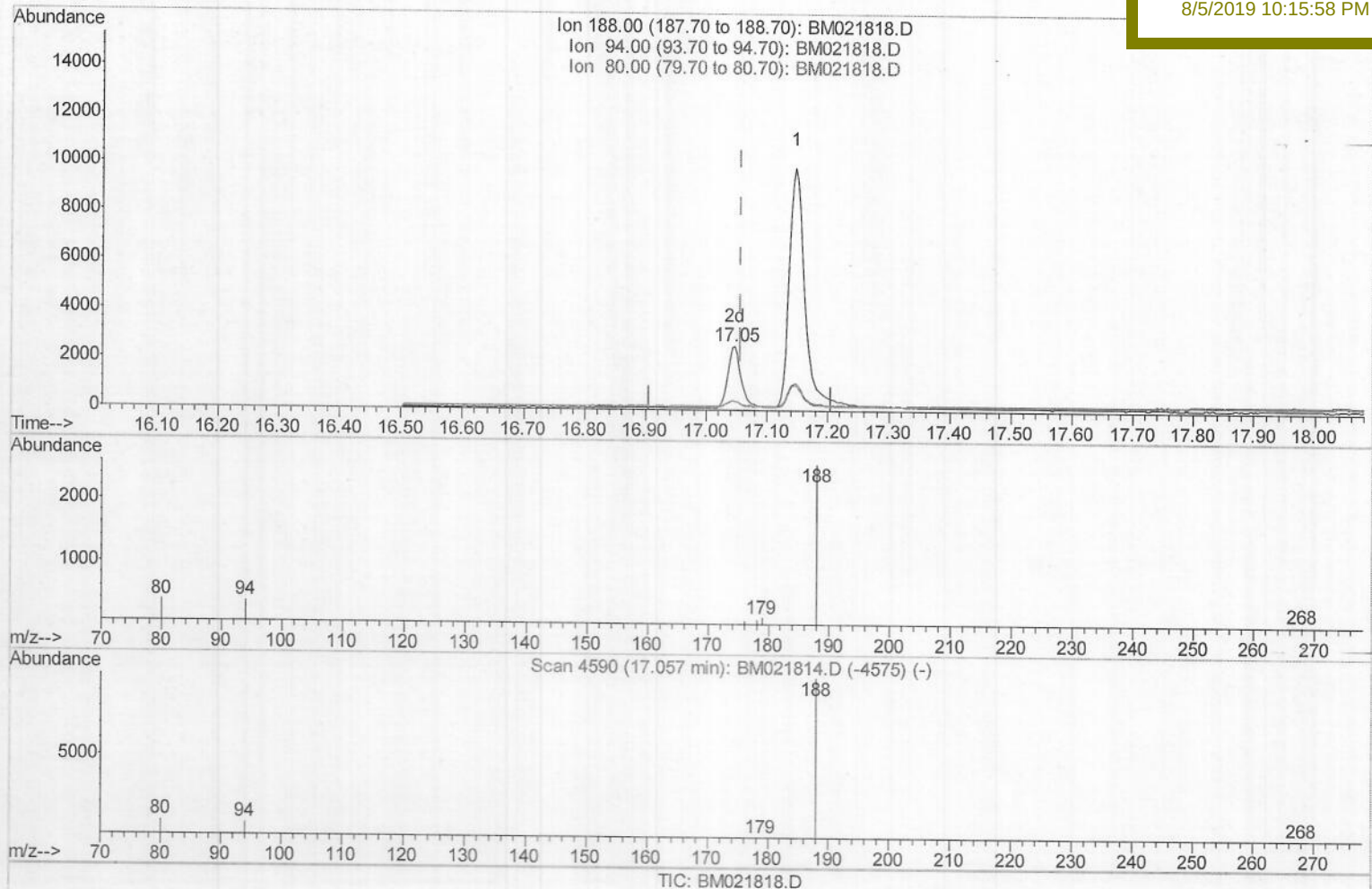
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:00:25 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
Client Sample ID :
BENS4DL

Manual Integrations
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(10) Phenanthrene-d10 (I)

17.046min (-0.010) 0.40ng/ul m 2508105119

response 3983

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	14.36#
80.00	11.40	14.59#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

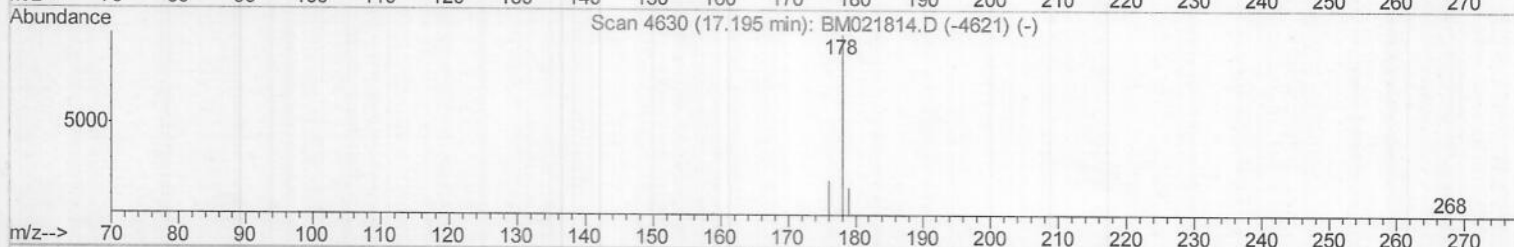
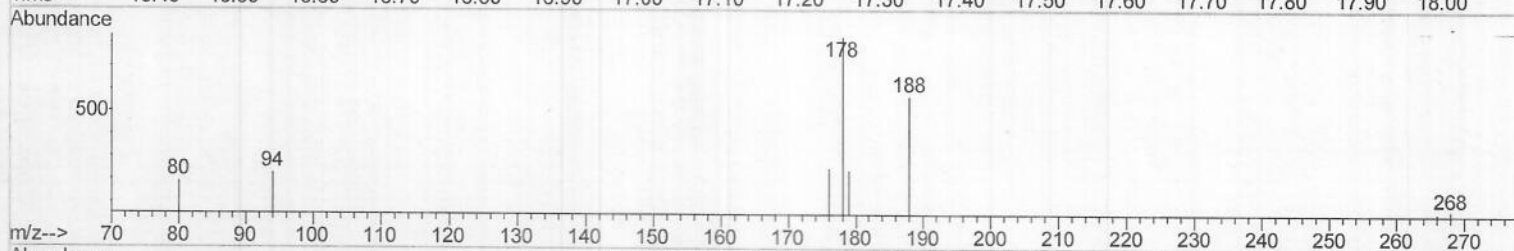
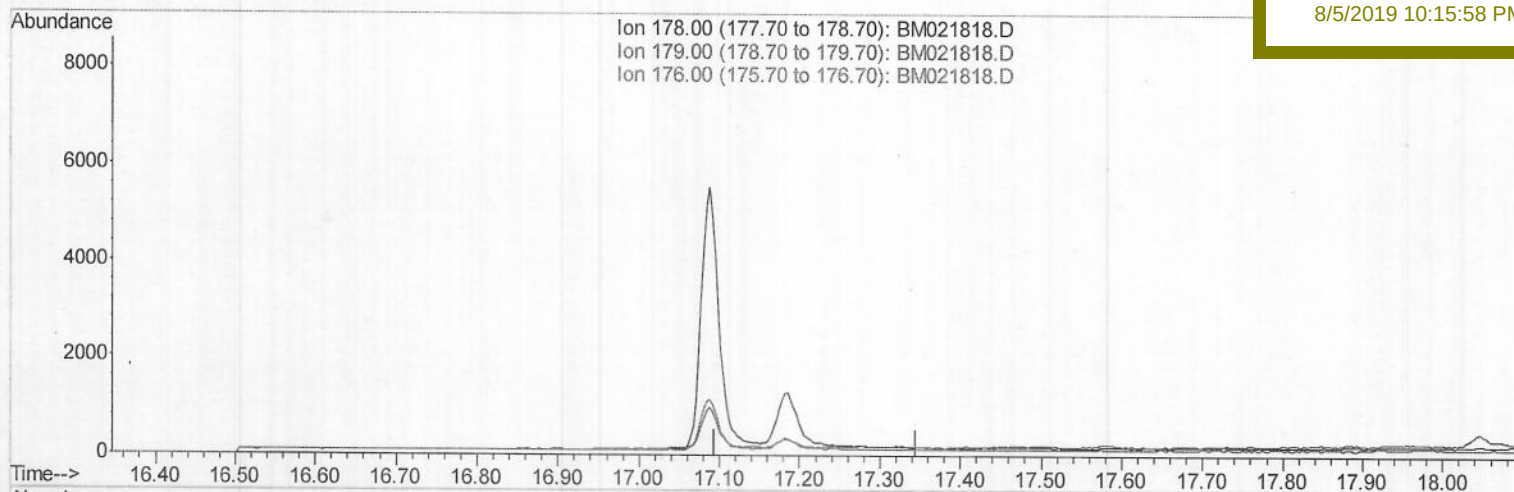
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:48:32 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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TIC: BM021818.D

(13) Anthracene

17.195min (-17.195) 0.00ng/ul

response 0

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

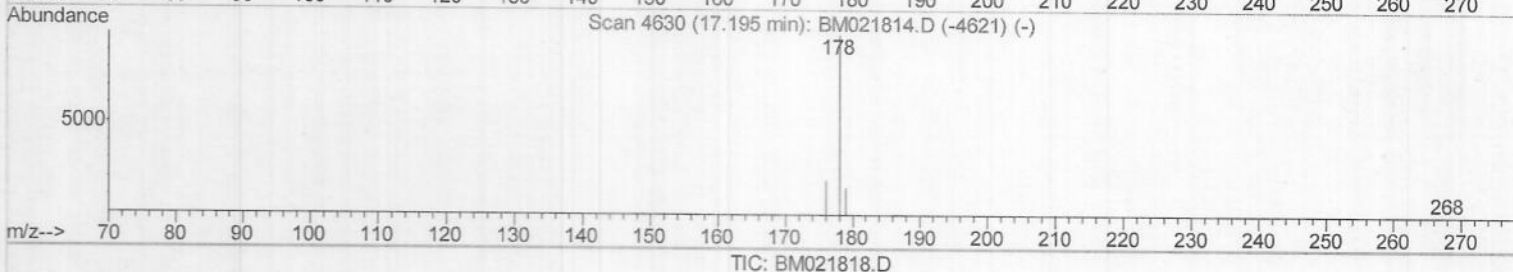
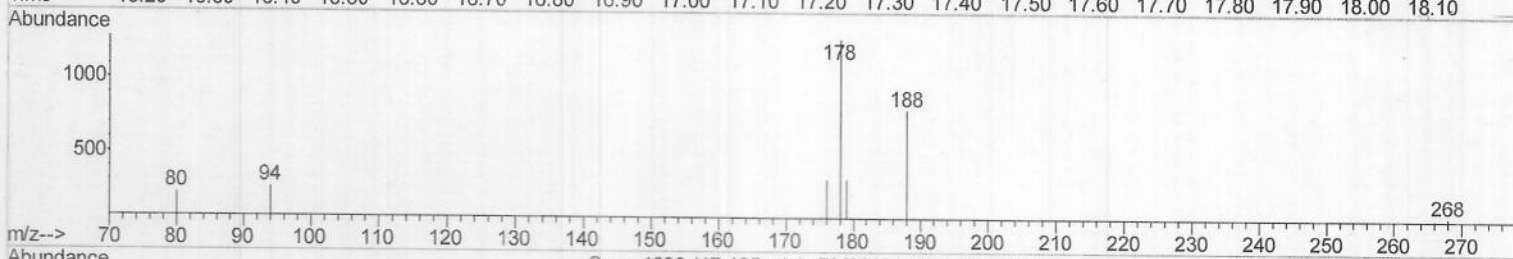
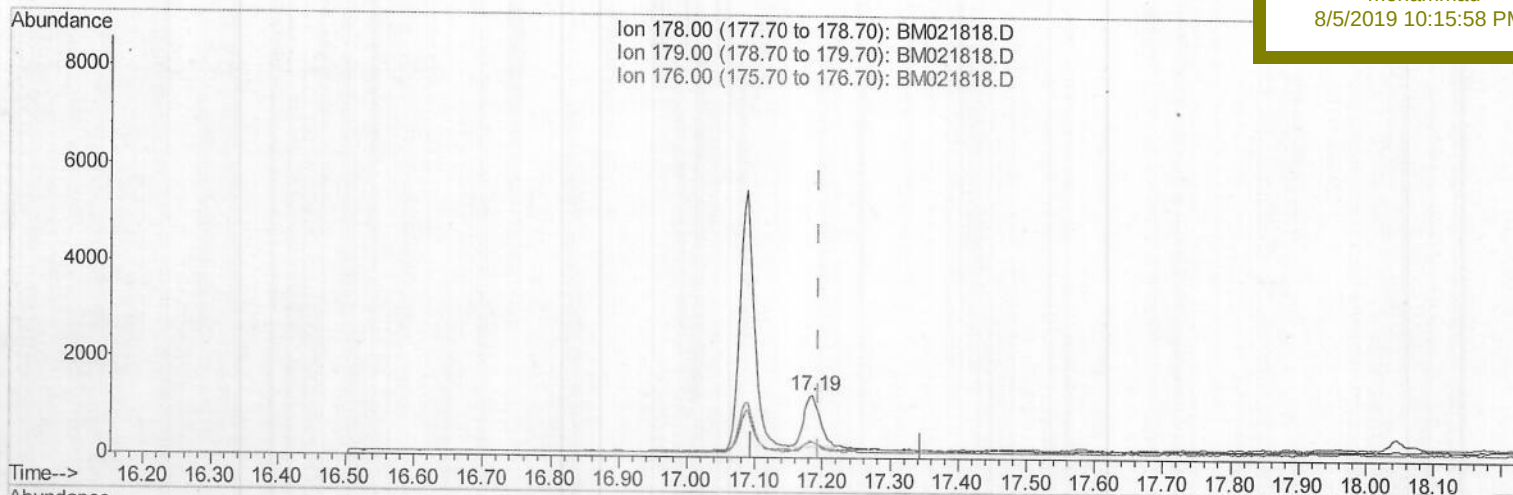
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:48:32 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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(13) Anthracene

17.185min (-0.010) 0.18ng/ul m) JU 081 05119

response 1753

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	24.90#
176.00	20.80	25.06#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

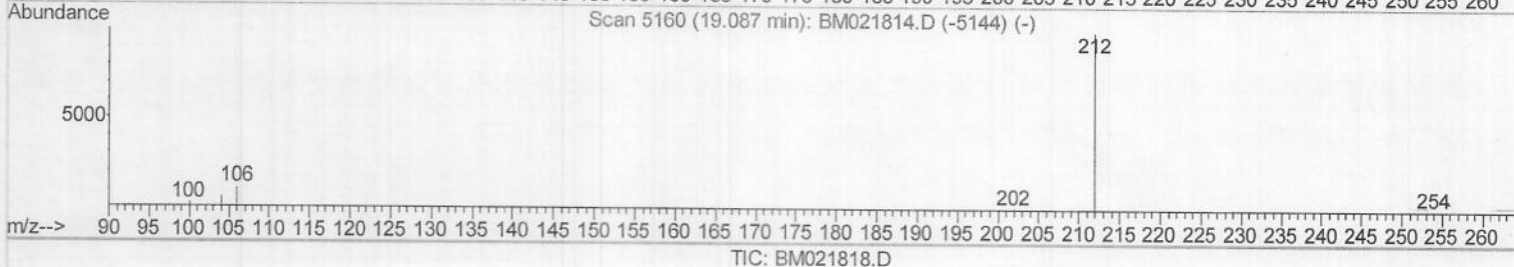
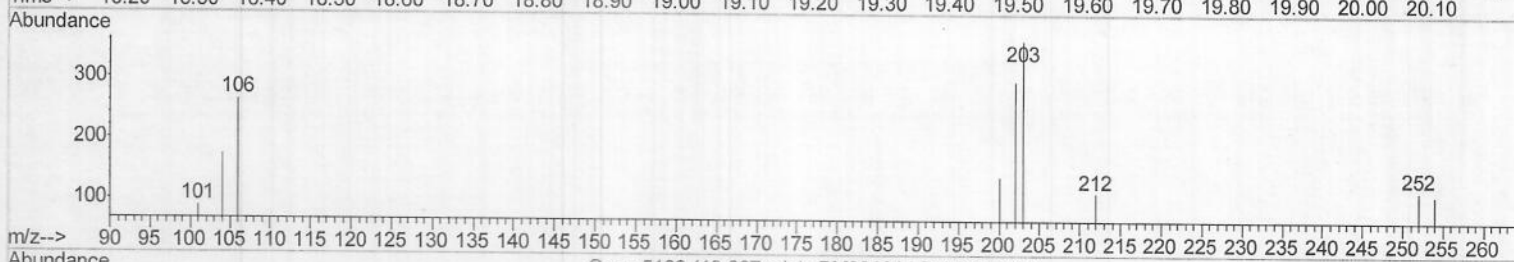
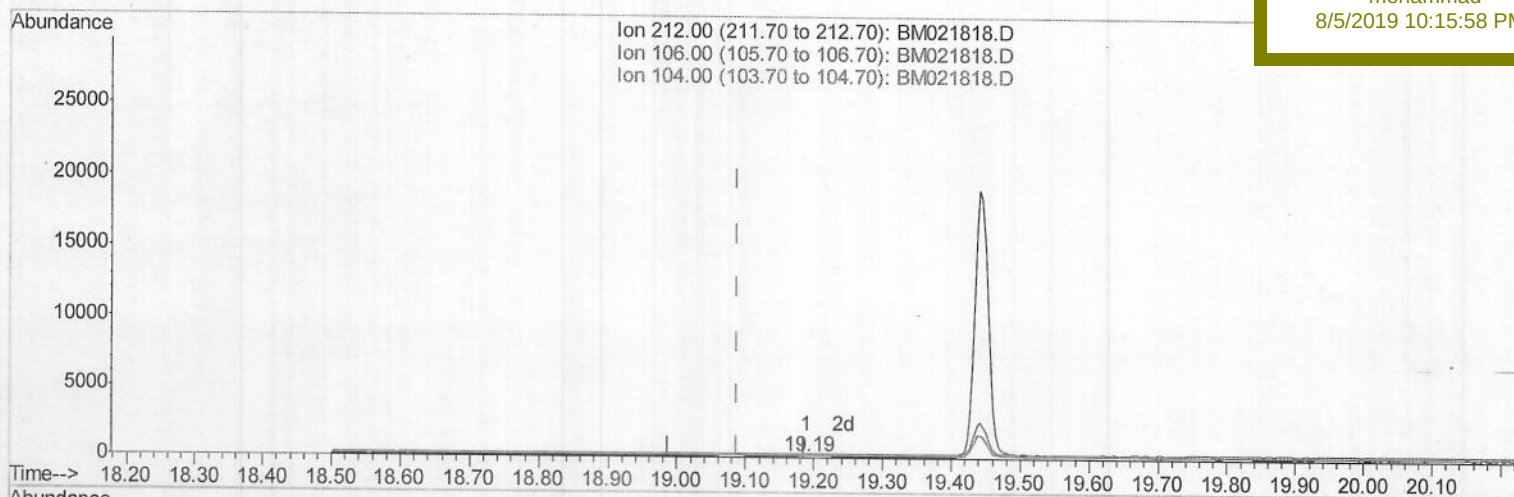
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:48:32 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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(14) Fluoranthene-d10 (SURR)

19.190min (+0.103) 0.00ng/ul

response 16

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	112.50#
104.00	6.00	87.50#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

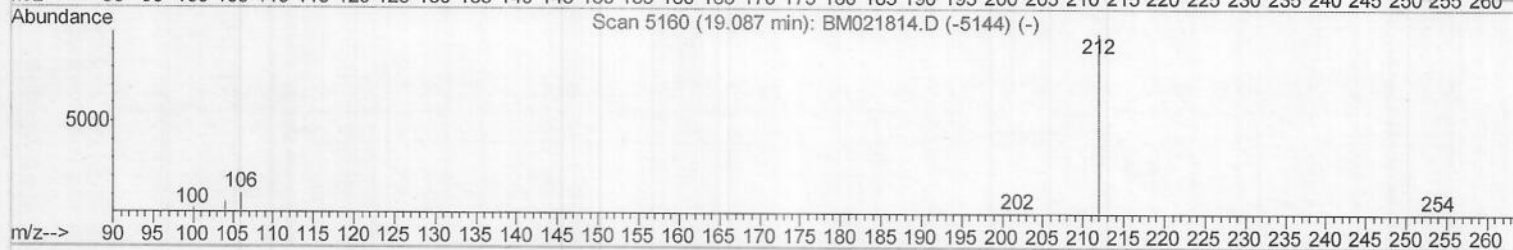
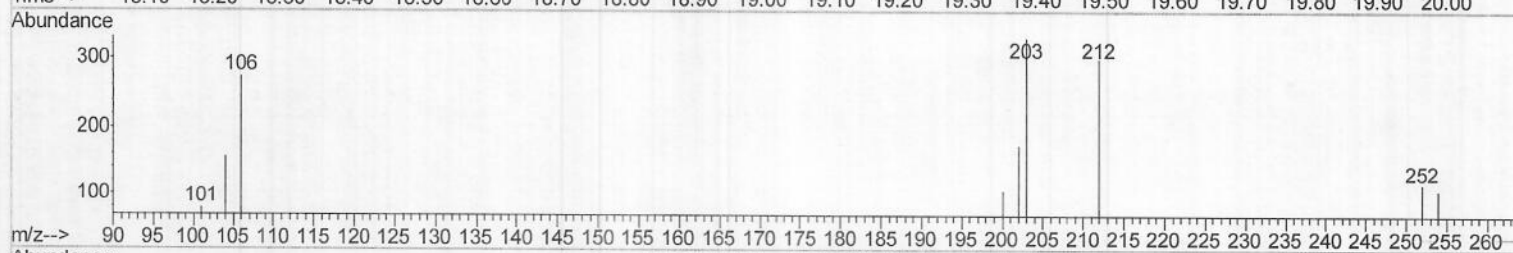
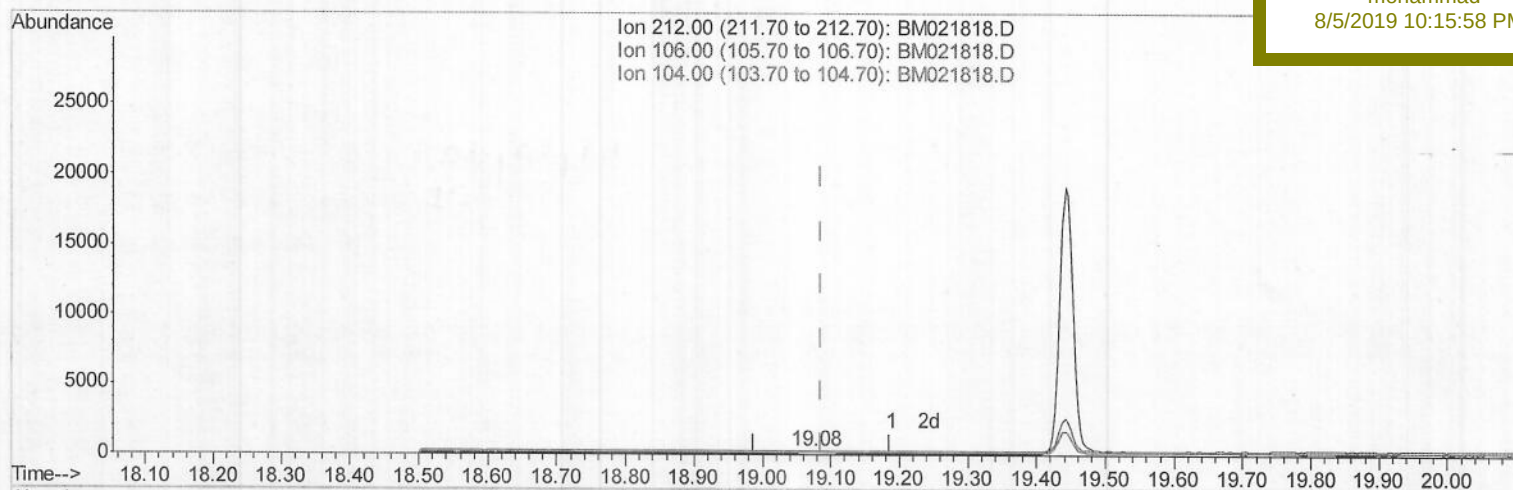
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:48:32 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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TIC: BM021818.D

(14) Fluoranthene-d10 (SURR)

19.076min (-0.011) 0.02ng/ul m

response 306

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	5.88#
104.00	6.00	4.58#
0.00	0.00	0.00

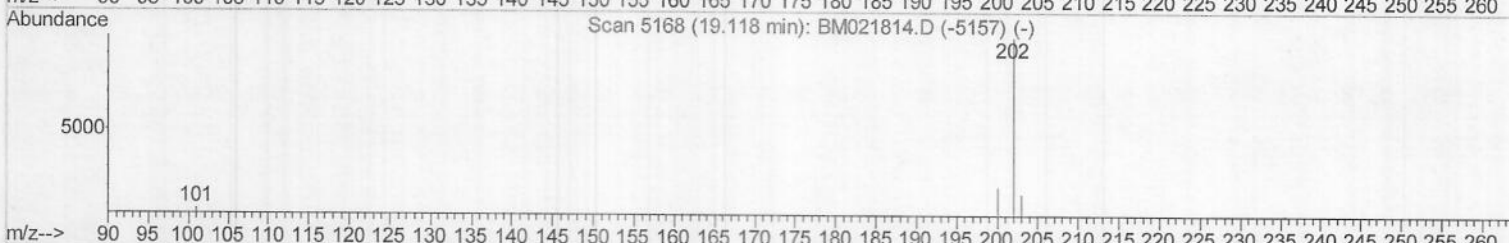
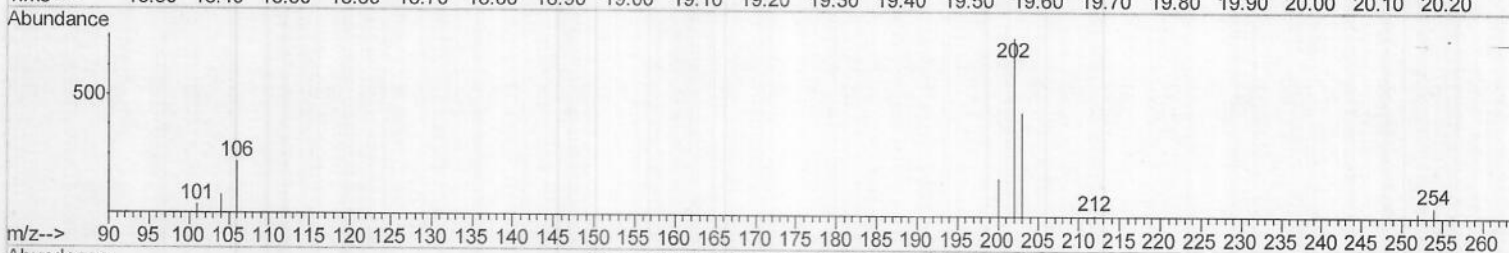
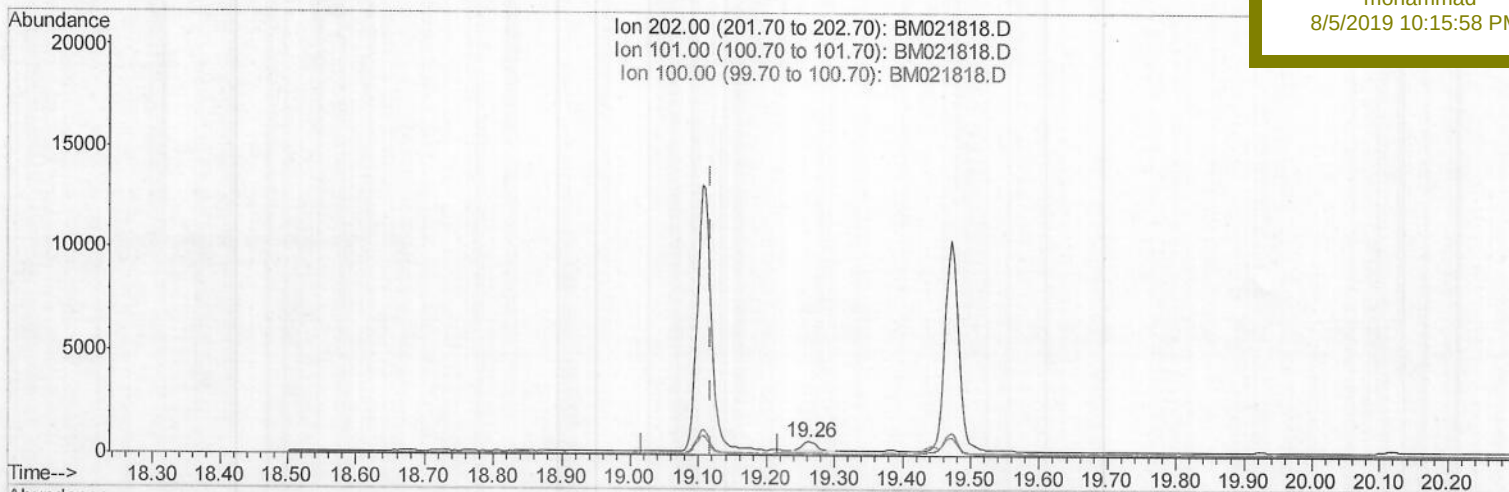
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:48:32 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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TIC: BM021818.D

(15) Fluoranthene (C)

19.263min (+0.145) 0.04ng/ul

response 662

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	18.08
100.00	8.10	13.98
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

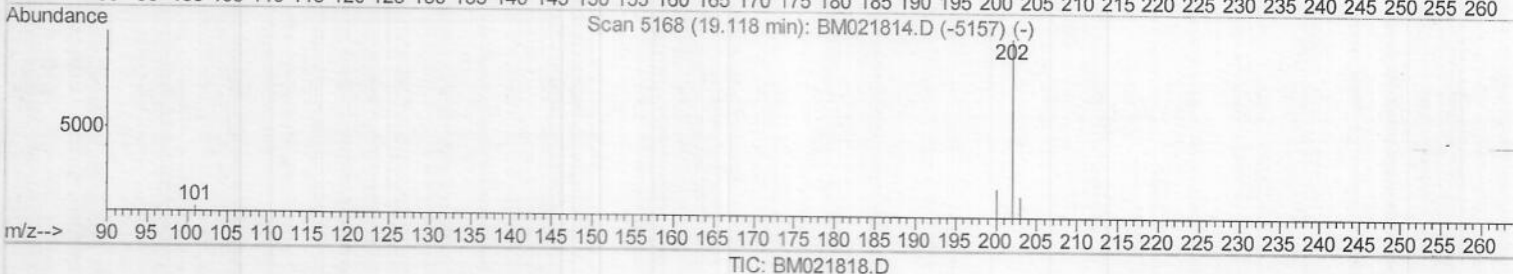
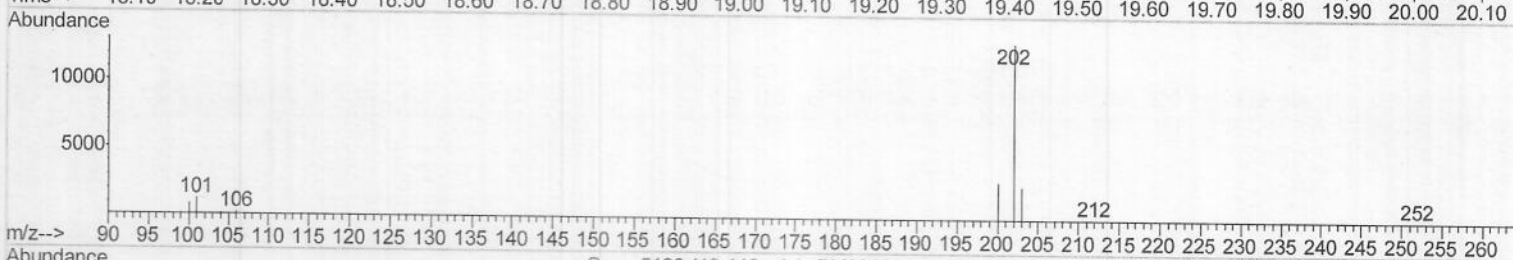
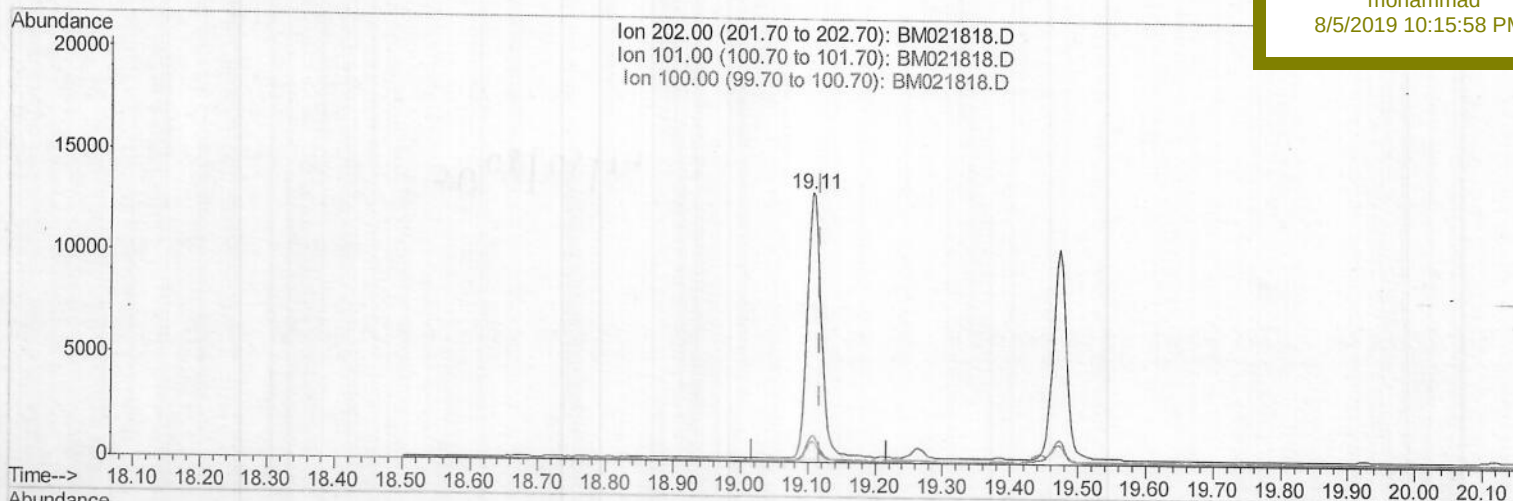
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:48:32 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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(15) Fluoranthene (C)

19.106min (-0.011) 1.21ng/ul m)JU08105119

response 18730

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	9.33
100.00	8.10	7.16
0.00	0.00	0.00

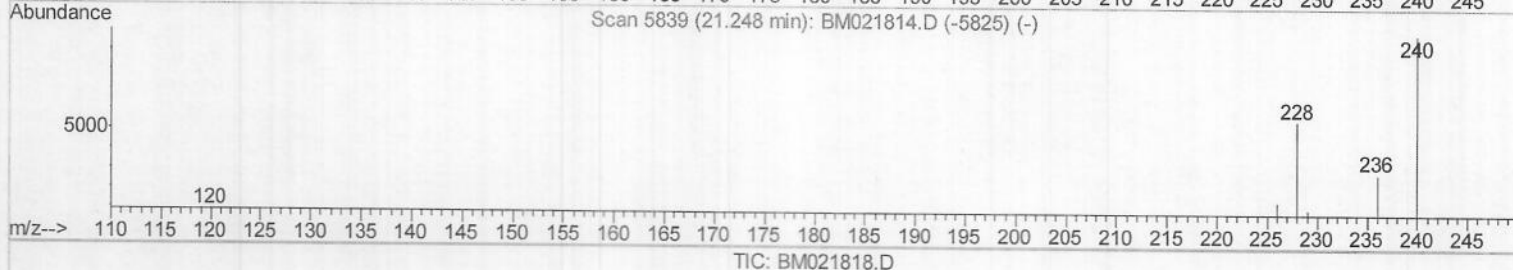
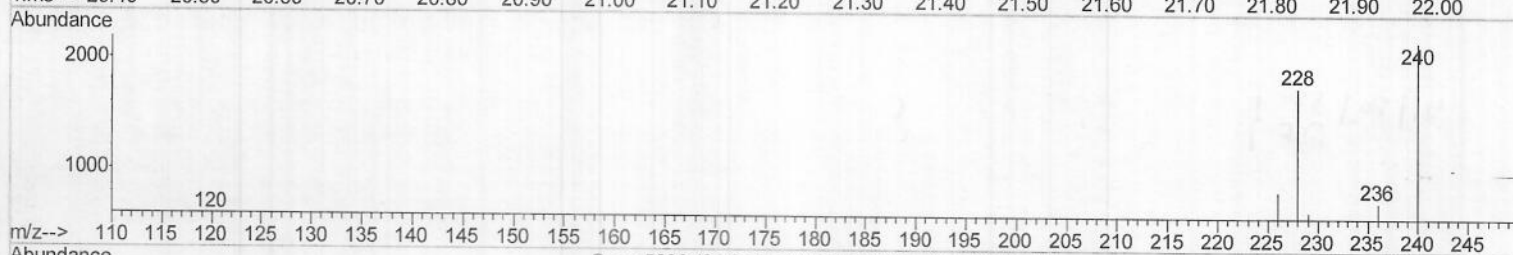
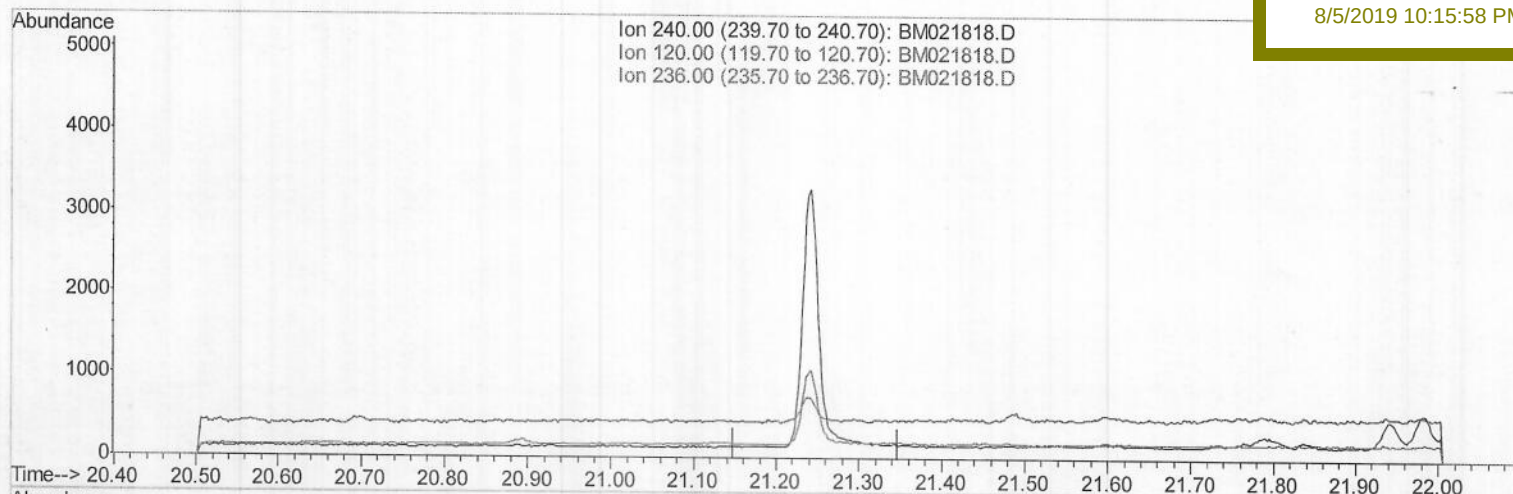
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:48:32 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
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(16) Chrysene-d12 (I)

21.248min (-21.248) 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)

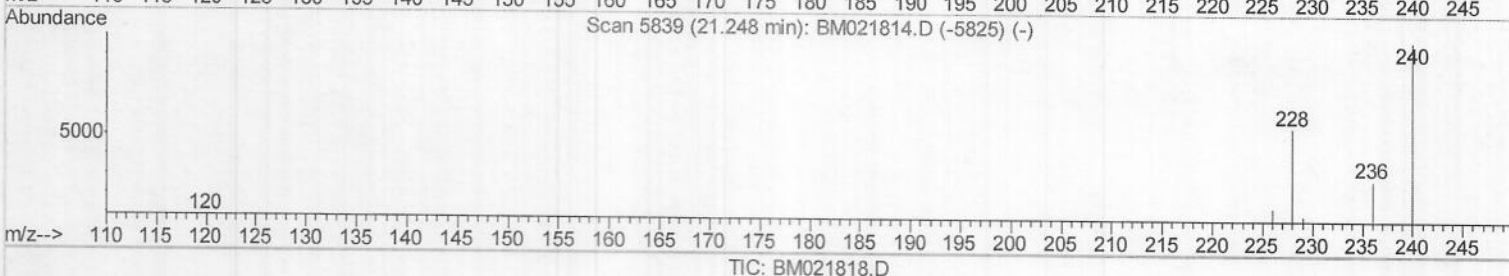
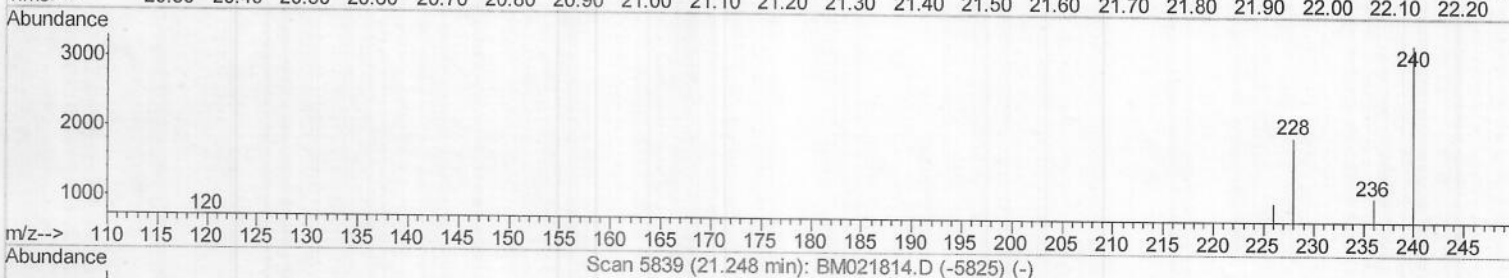
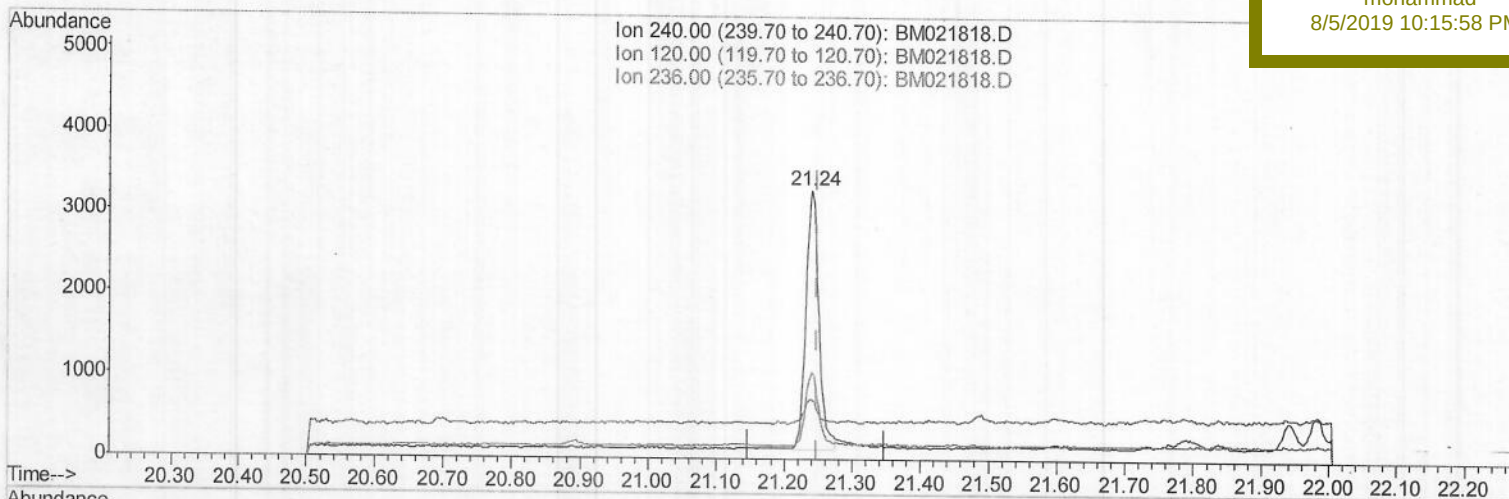
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:48:32 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:58 PM



(16) Chrysene-d12 (I)

21.241min (-0.007) 0.40ng/ul m)JU08105114

response 4219

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	21.86#
236.00	32.30	32.49
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

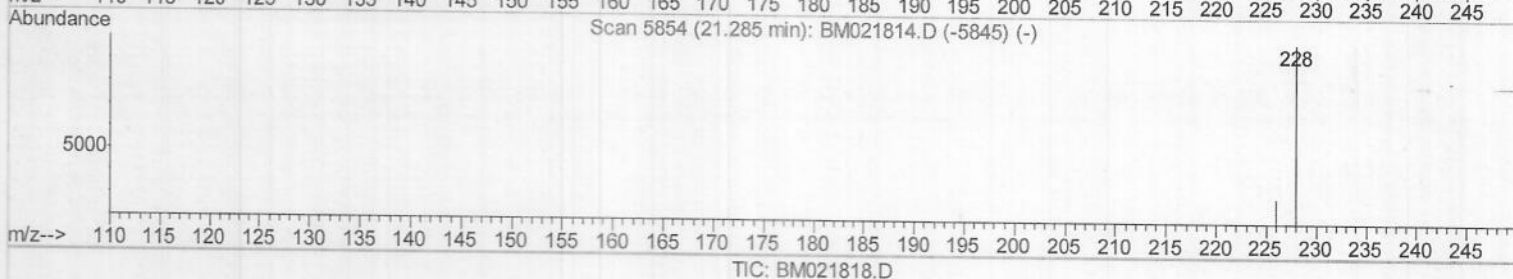
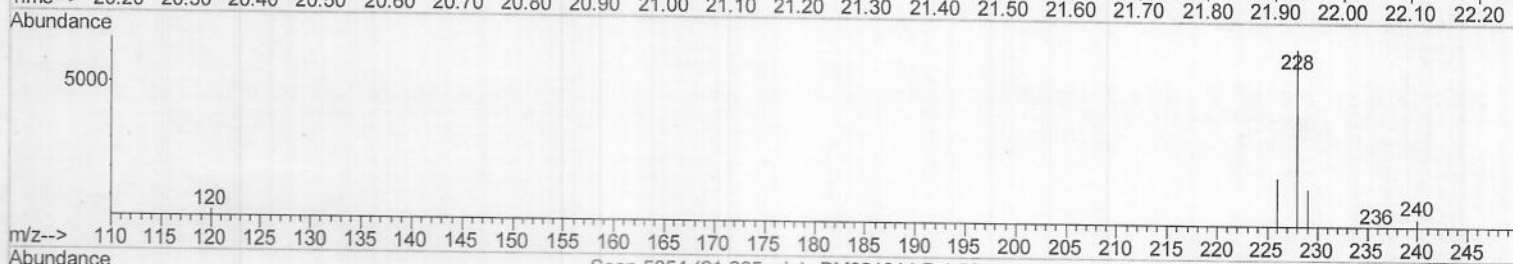
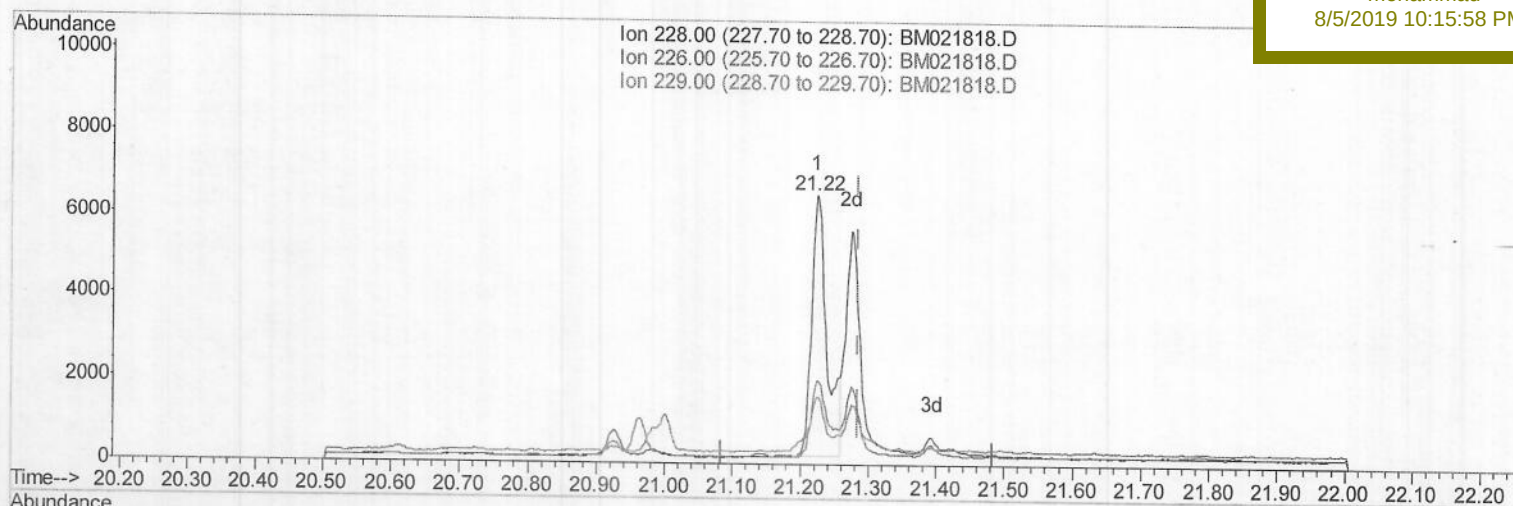
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:49:42 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:58 PM



(19) Chrysene

21.224min (-0.060) 0.50ng/ul

response 9782

Ion	Exp%	Act%
228.00	100	100
226.00	31.10	30.43
229.00	20.80	24.56
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Quantitation Report (Qedit)

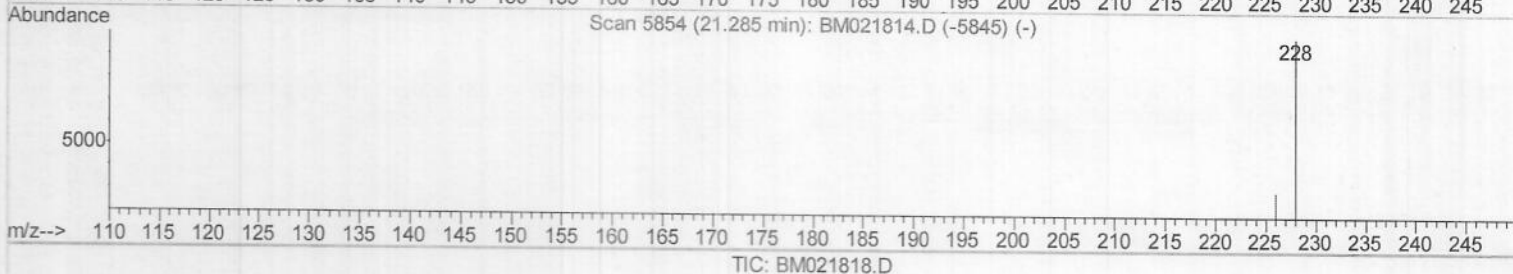
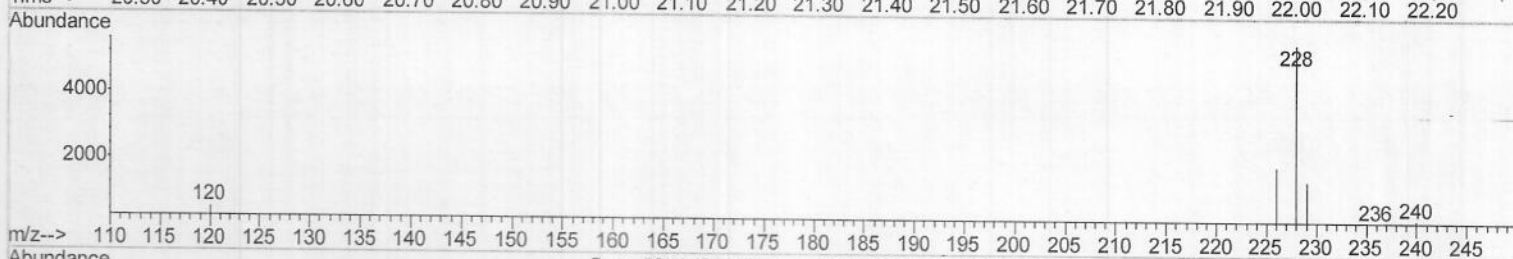
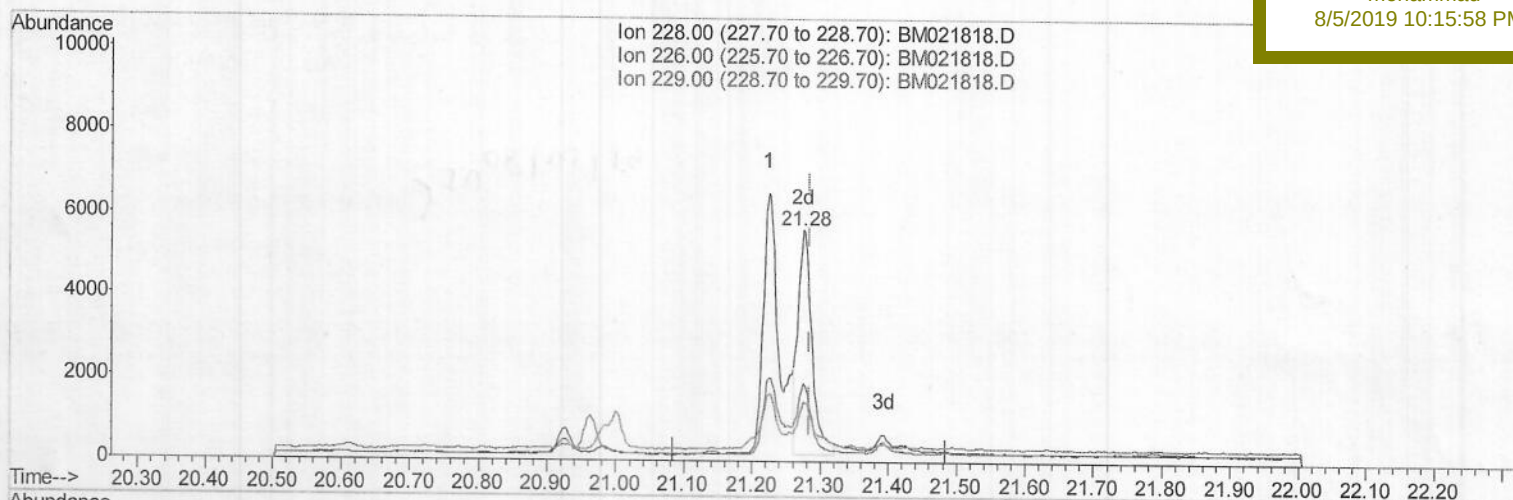
Data File : BM021818.D
Acq On : 04 Aug 2019 18:26
Operator : HP/JU
Sample : K3850-18DL 10X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:49:42 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 06:57:04 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS4DL

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:58 PM



(19) Chrysene

21.275min (-0.009) 0.40ng/ul m >JU 08/05/19

response 7851

Ion	Exp%	Act%
228.00	100	100
226.00	31.10	33.01
229.00	20.80	25.13#
0.00	0.00	0.00

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

Quantitation Report (QT Reviewed)

Data File : BM021818.D

Acq On : 04 Aug 2019 18:26

Operator : HP/JU

Sample : K3850-18DL 10X

Misc :

ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 07:50:40 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 06:57:04 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

BENS4DL

Manual Integrations

APPROVED

mohammad

8/5/2019 10:15:58 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	792	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3219	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1767	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	3983m	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4219m	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	5969	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.05	152	81	0.02	ng/ul	0.02
14) Fluoranthene-d10	19.08	212	306m	0.02	ng/ul	-0.01

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
5) 2-Methylnaphthalene	12.13	142	202	0.033	ng/ul	99
7) Acenaphthylene	14.01	152	1314	0.159	ng/ul#	90
8) Acenaphthene	14.36	153	143	0.021	ng/ul#	86
9) Fluorene	15.35	166	359	0.048	ng/ul#	94
12) Phenanthrene	17.09	178	8412	0.726	ng/ul	99
13) Anthracene	17.19	178	1753m	0.177	ng/ul	
15) Fluoranthene	19.11	202	18730m	1.206	ng/ul	
17) Pyrene	19.47	202	14751	0.851	ng/ul	99
18) Benzo(a)anthracene	21.22	228	9782	0.648	ng/ul	95
19) Chrysene	21.28	228	7851m	0.405	ng/ul	
21) Benzo(b)fluoranthene	22.79	252	12523m	0.622	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	4763m	0.209	ng/ul	
23) Benzo(a)pyrene	23.36	252	7816	0.382	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.67	276	6293	0.257	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.68	278	1548	0.078	ng/ul#	52
26) Benzo(g,h,i)perylene	26.36	276	6445	0.293	ng/ul	99

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