

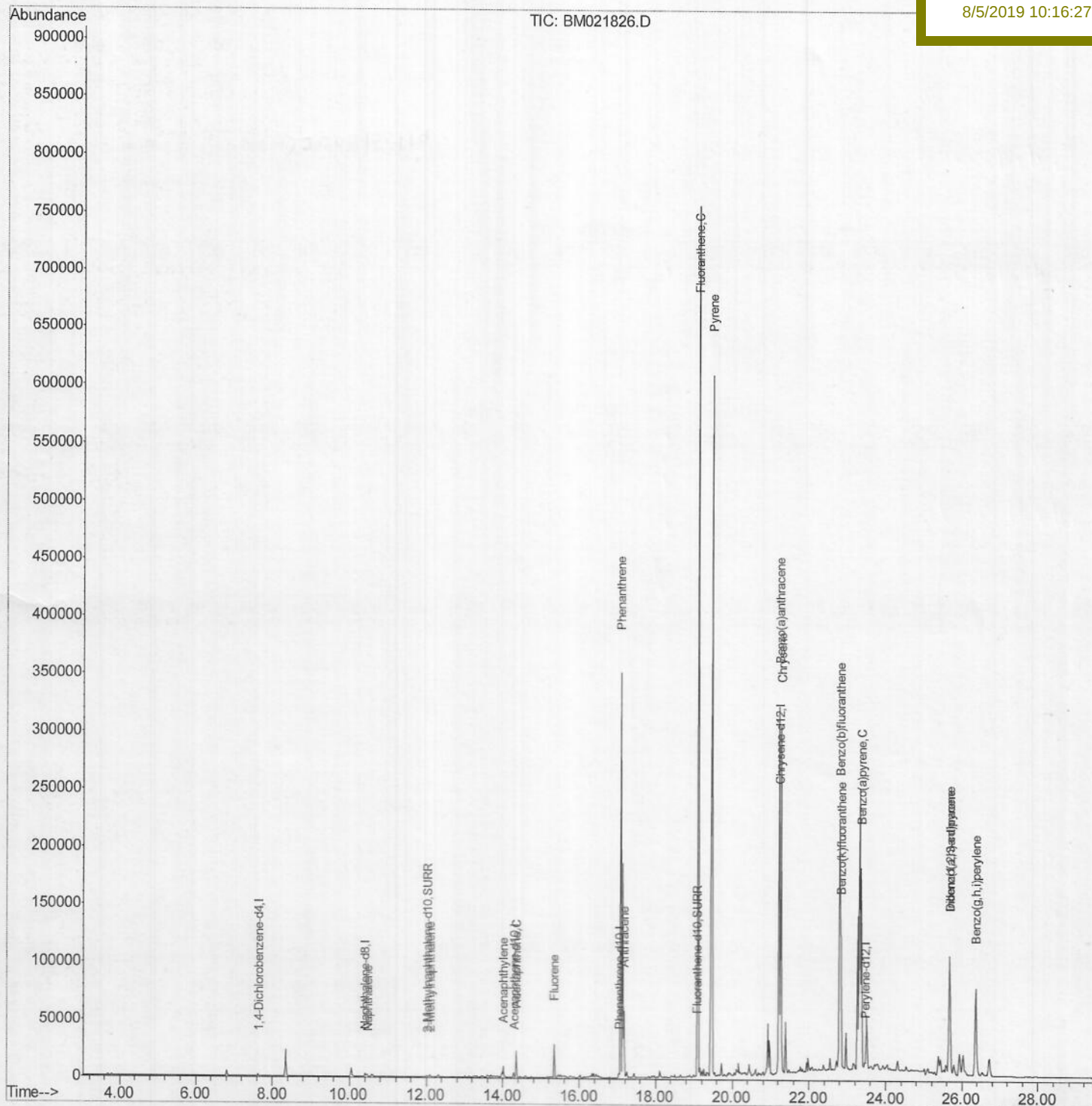
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:33:18 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
Client Sampled :
A52F5

Manual Integrations
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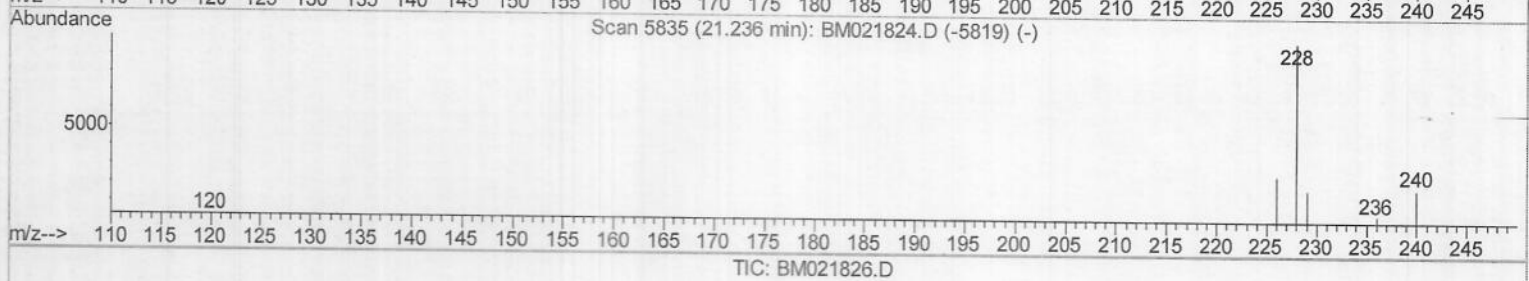
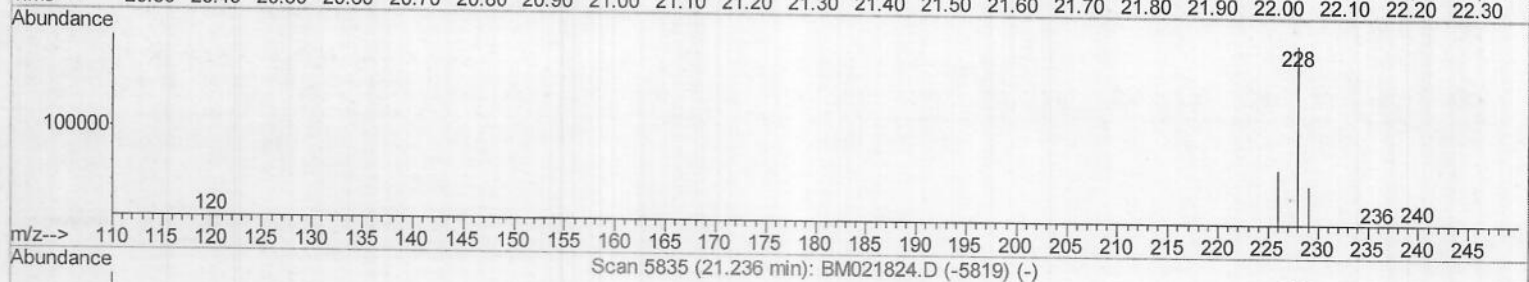
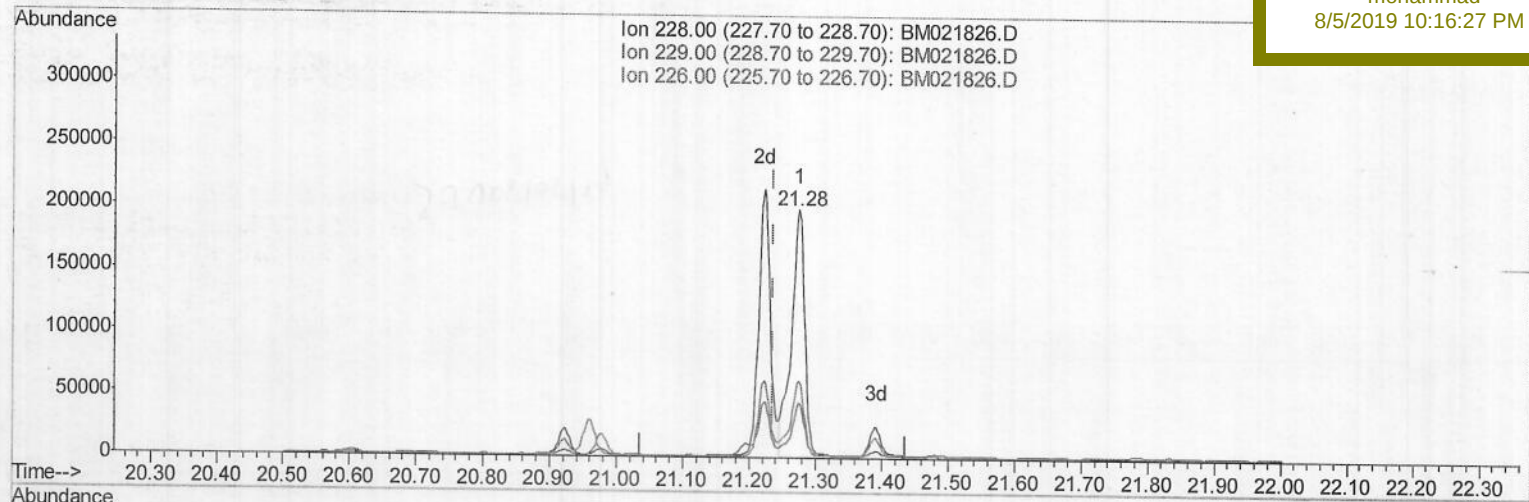
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:32:20 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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TIC: BM021826.D

(18) Benzo(a)anthracene
21.275min (+0.039) 14.43ng/ul
response 283540

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	21.90
226.00	28.30	30.98
0.00	0.00	0.00

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

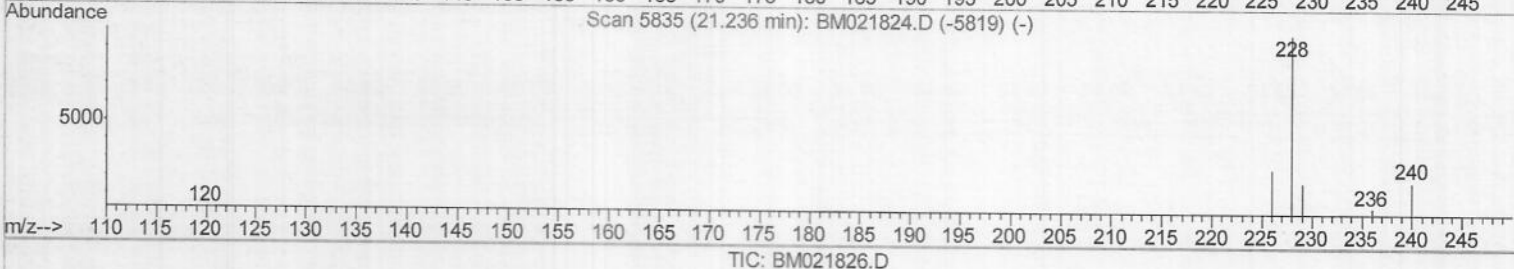
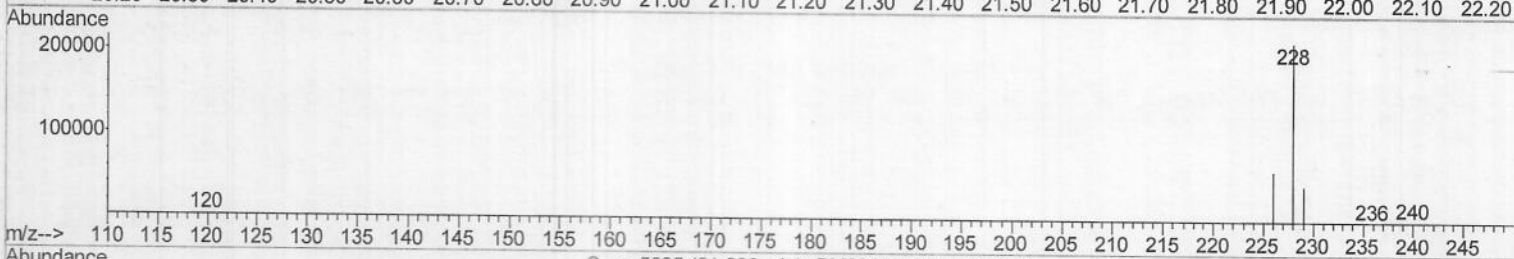
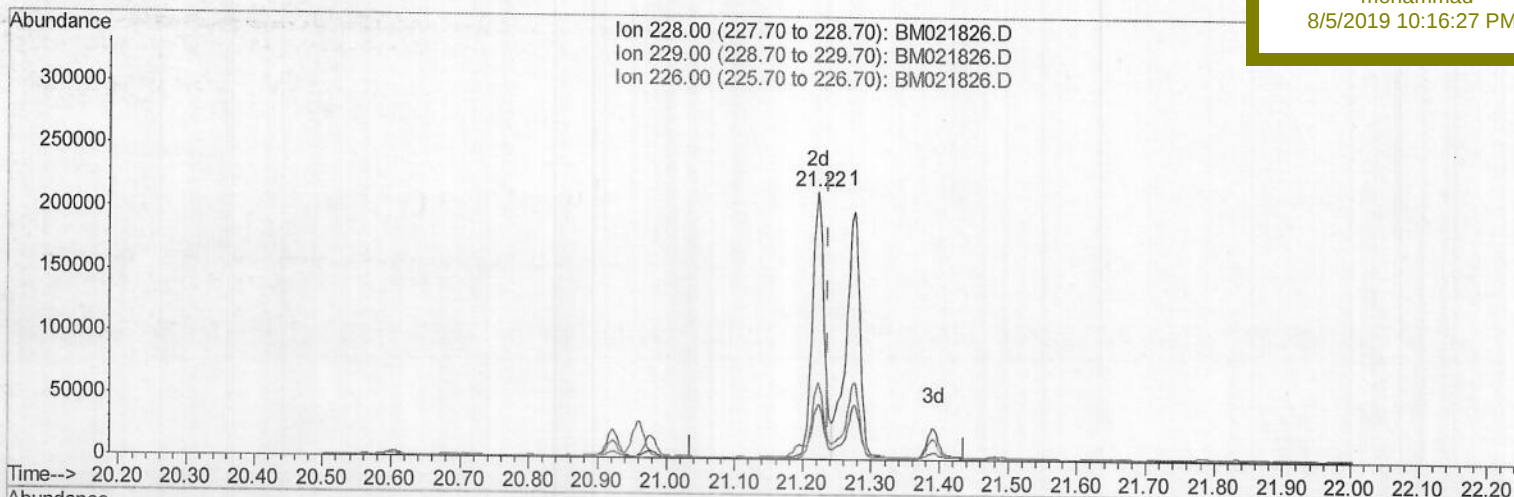
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:32:20 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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(18) Benzo(a)anthracene

21.222min (-0.014) 13.17ng/ul m) JU08107114

response 258841

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	20.56
226.00	28.30	28.56
0.00	0.00	0.00

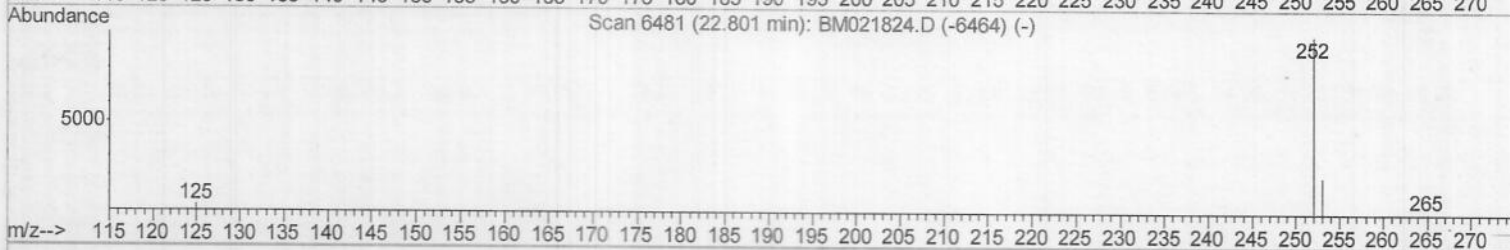
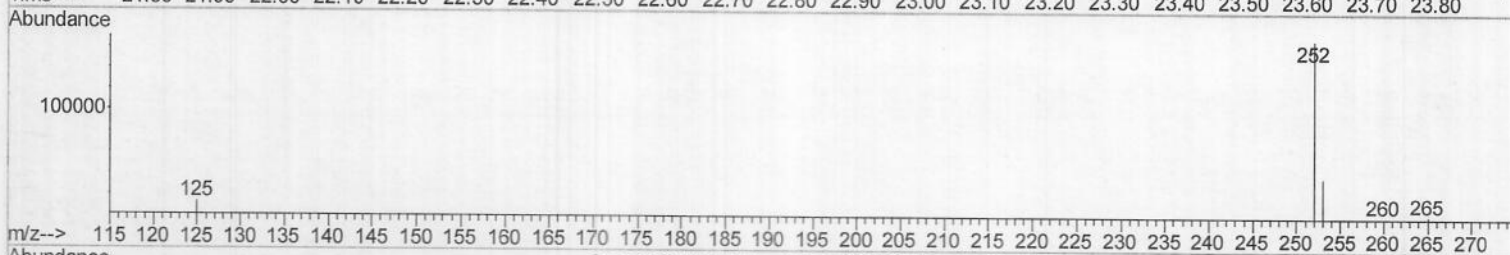
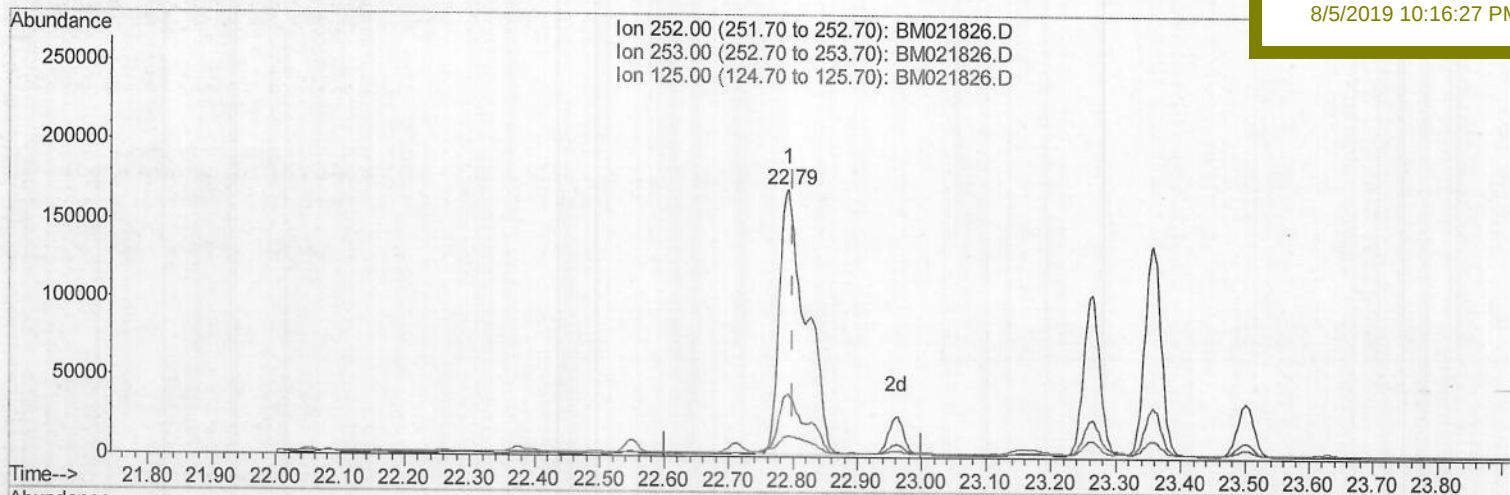
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:32:20 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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TIC: BM021826.D

(21) Benzo(b)fluoranthene

22.793min (-0.007) 24.88ng/ul

response 491588

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.25
125.00	15.50	7.84
0.00	0.00	0.00

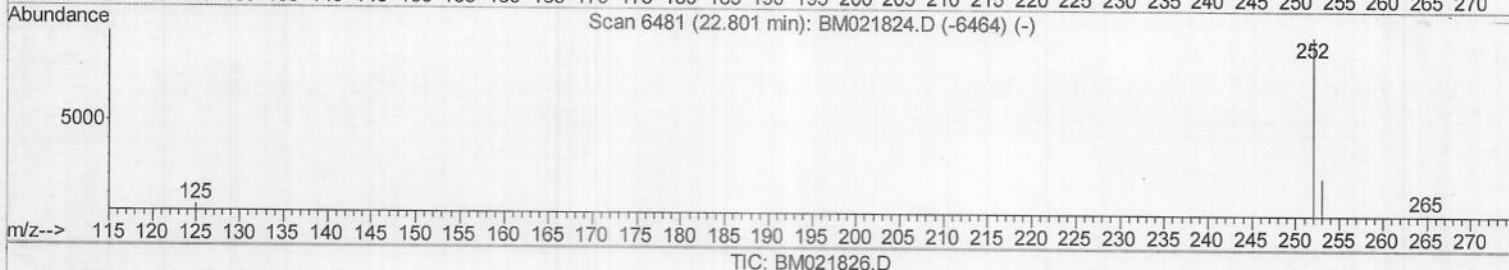
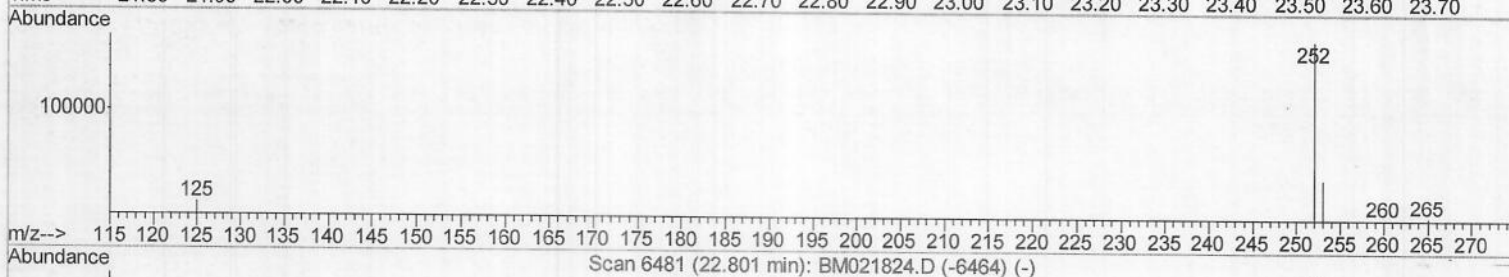
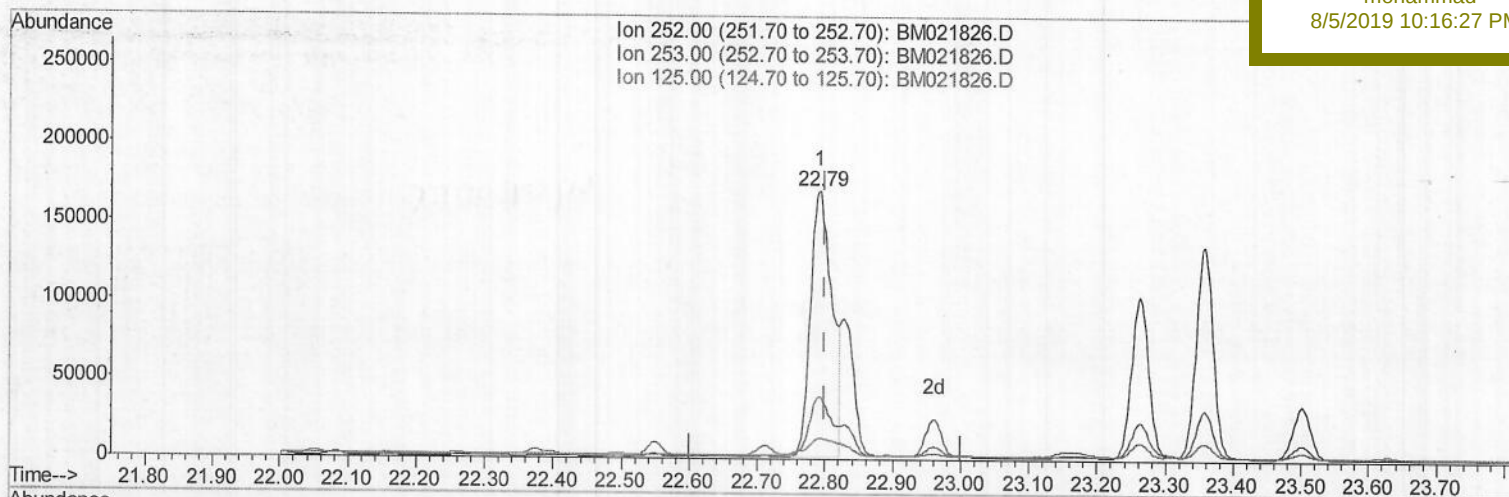
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:32:20 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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(21) Benzo(b)fluoranthene

22.793min (-0.007) 18.53ng/ul m) JU08107119

response 366240

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.25
125.00	15.50	7.84
0.00	0.00	0.00

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

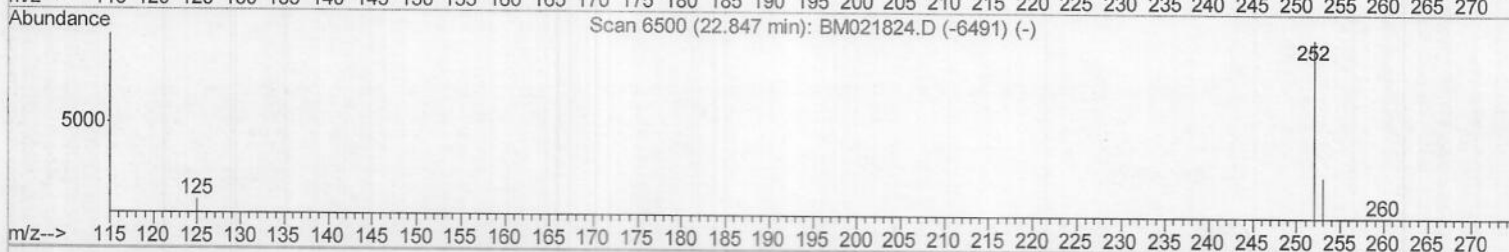
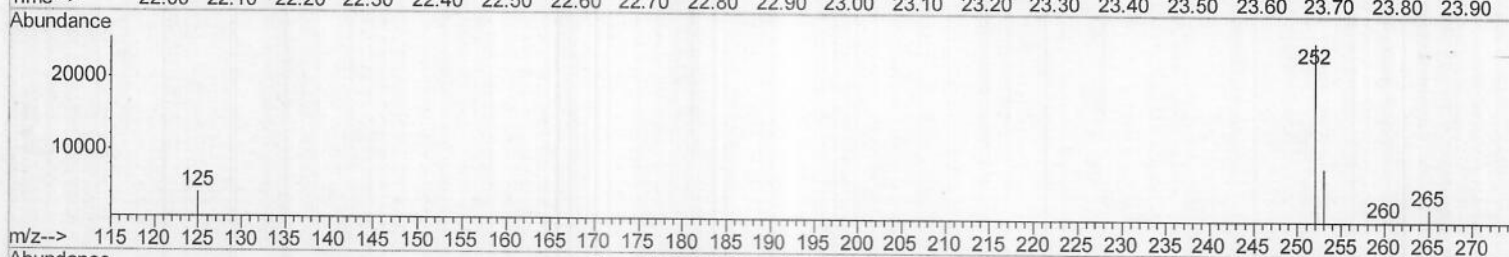
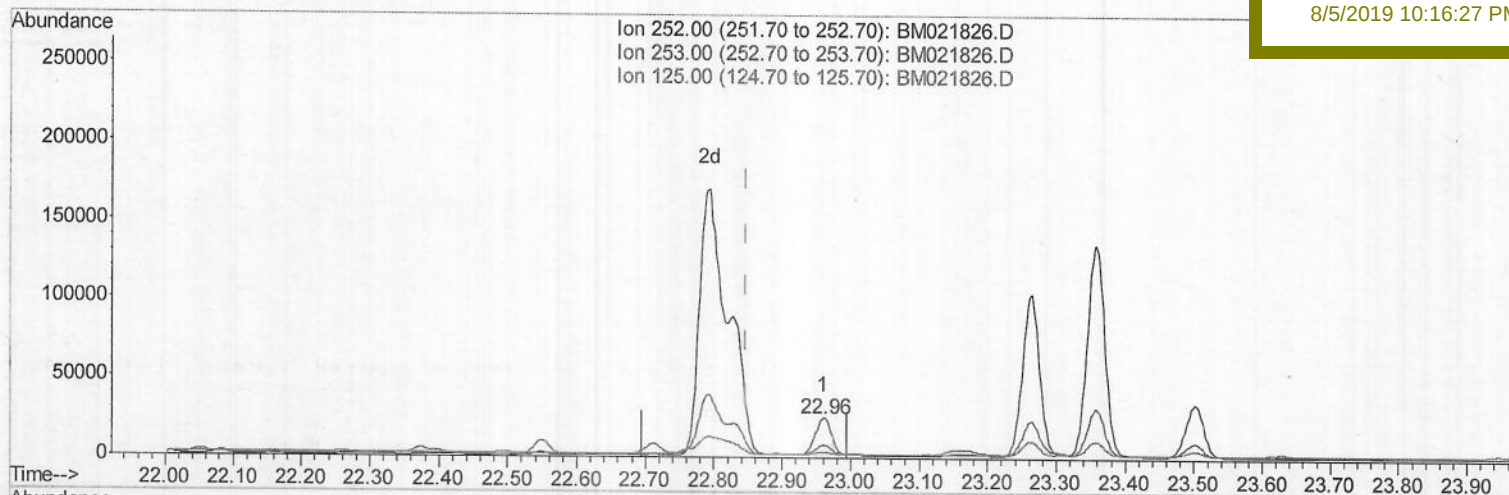
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:32:20 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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TIC: BM021826.D

(22) Benzo(k)fluoranthene

22.961min (+0.114) 1.55ng/ul

response 34719

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	32.24
125.00	15.20	16.27
0.00	0.00	0.00

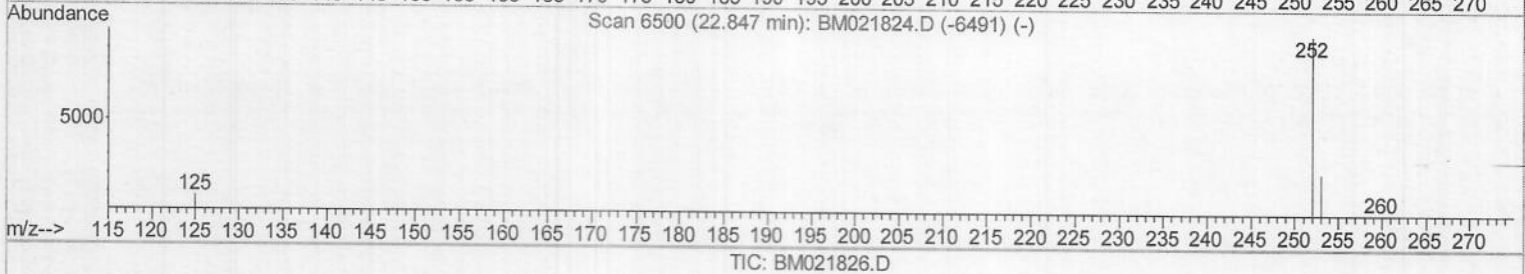
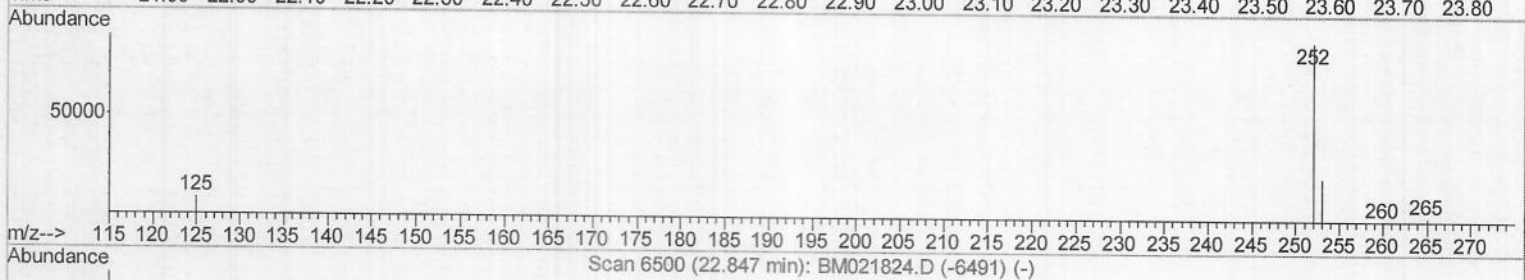
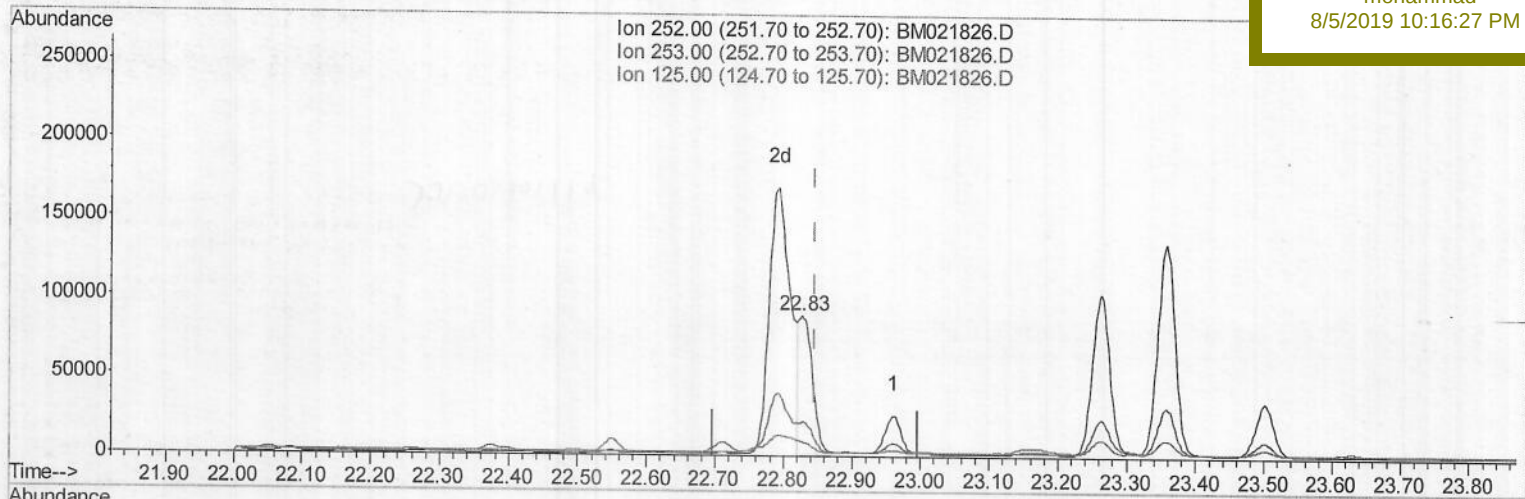
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:32:20 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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(22) Benzo(k)fluoranthene

22.827min (-0.019) 5.54ng/ul m] 5008107119

response 123977

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.28#
125.00	15.20	10.42#
0.00	0.00	0.00

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

Data File : BM021826.D

Acq On : 05 Aug 2019 00:30

Operator : HP/JU

Sample : K3863-15

Misc :

ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:24:07 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 08:19:16 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

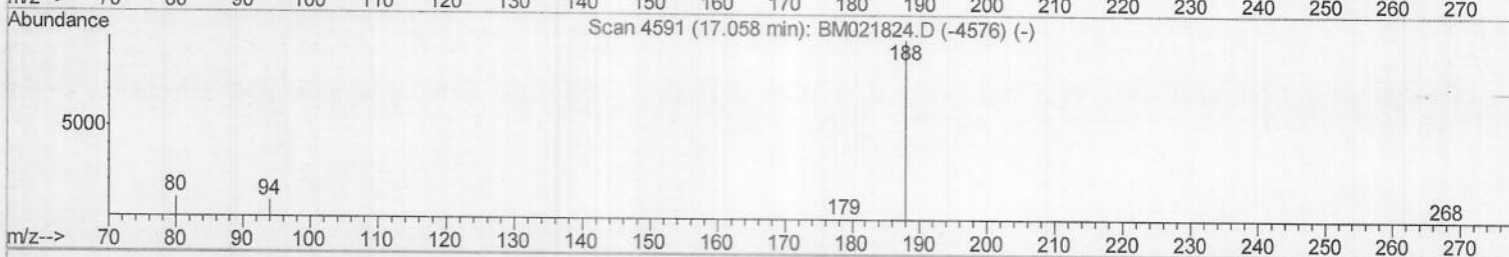
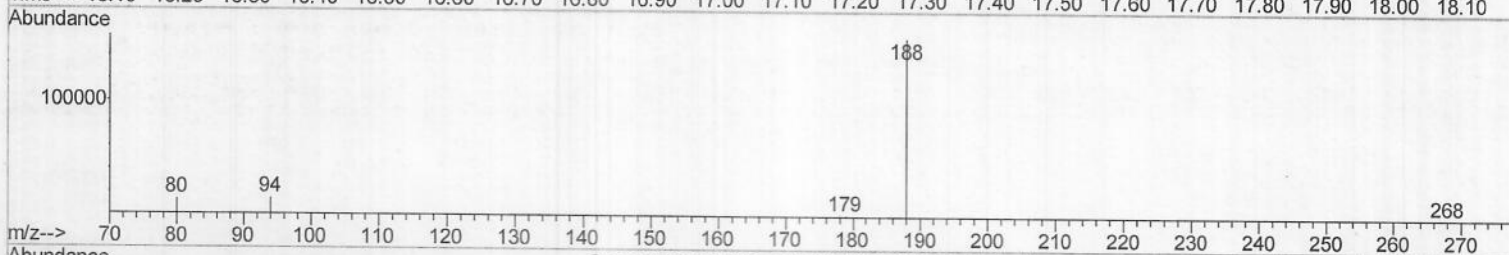
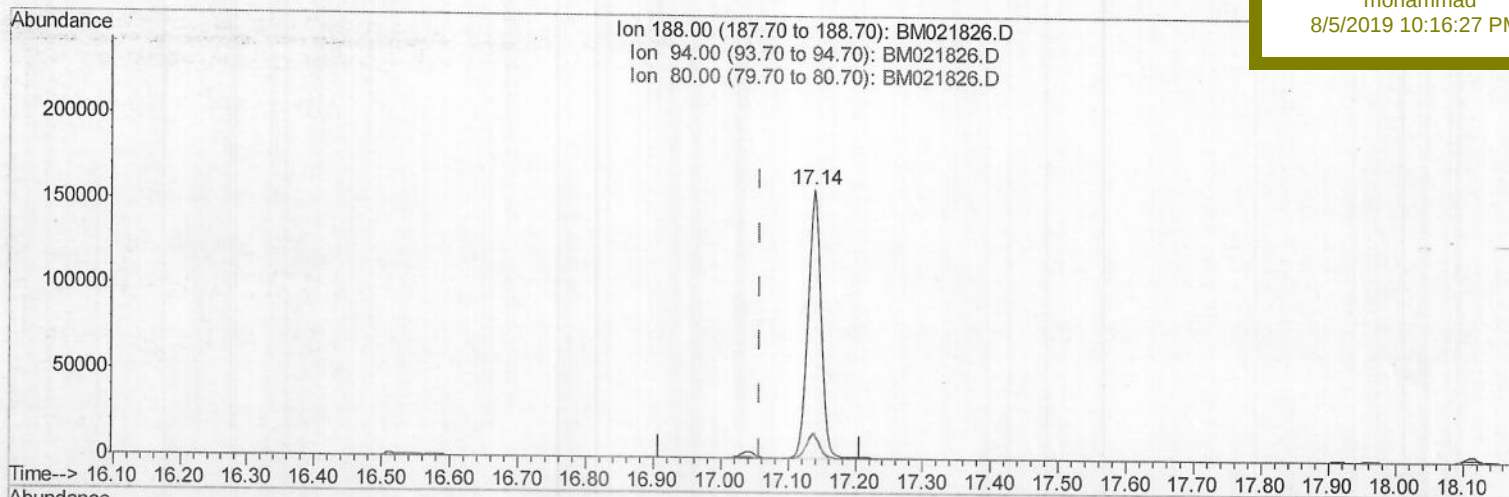
A52F5

Manual Integrations

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TIC: BM021826.D

(10) Phenanthrene-d10 (I)

17.138min (+0.080) 0.40ng/ul

response 216549

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.07
80.00	11.40	8.58#
0.00	0.00	0.00

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

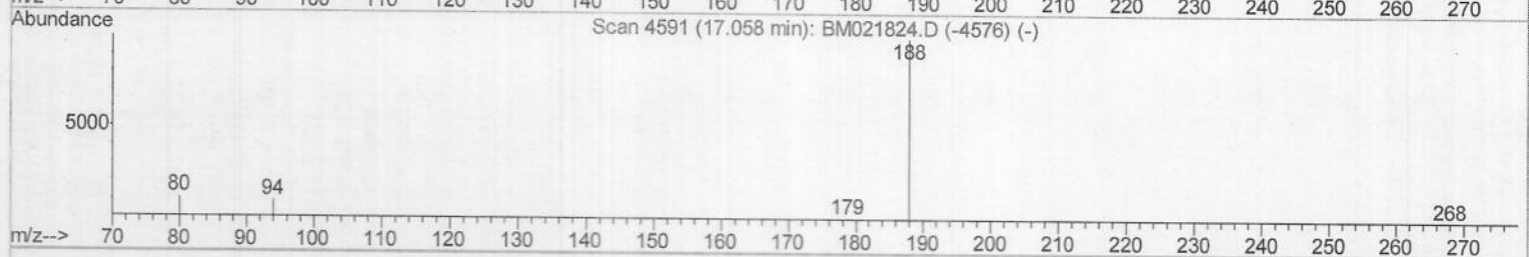
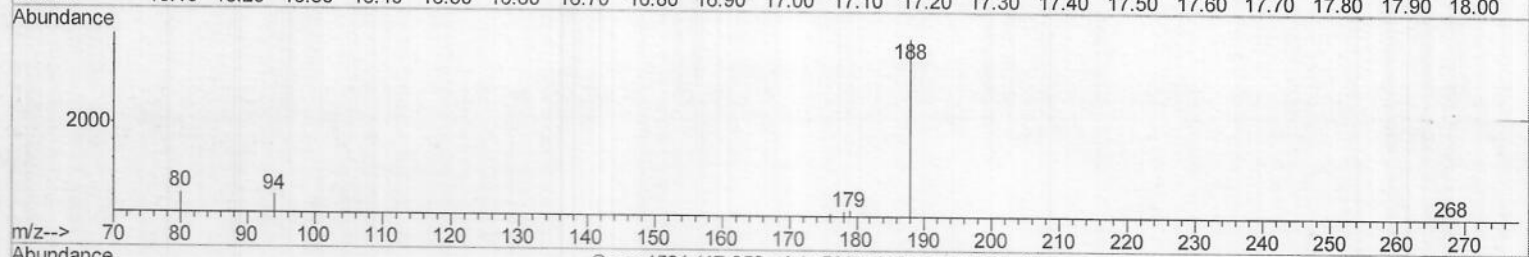
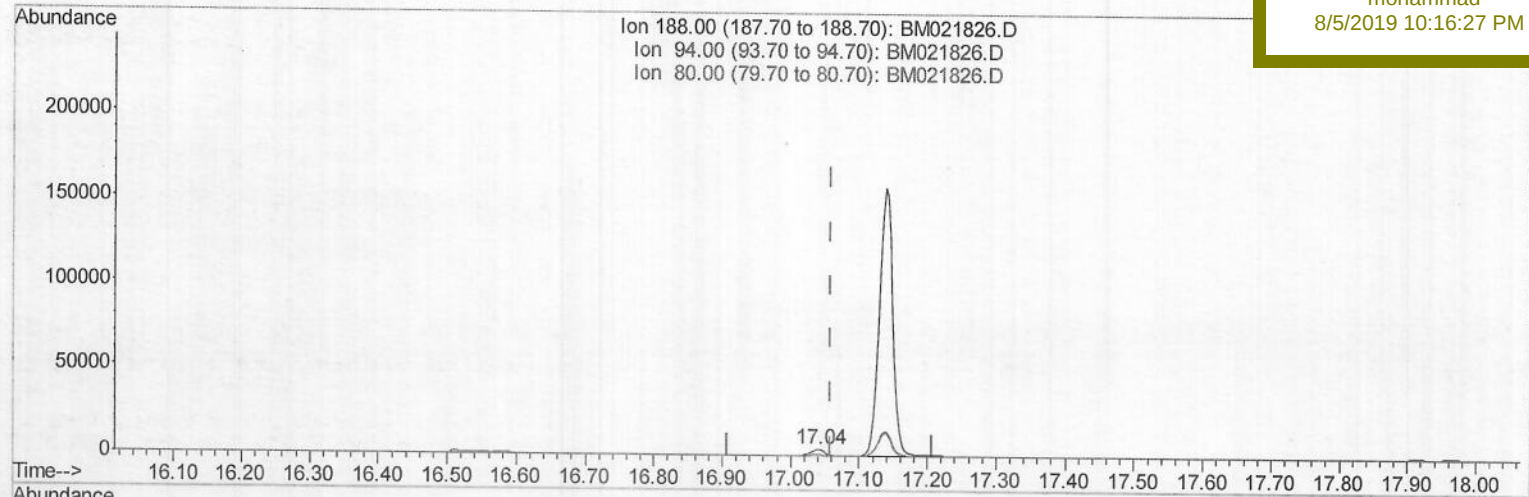
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:24:07 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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TIC: BM021826.D

(10) Phenanthrene-d10 (I)

17.041min (-0.017) 0.40ng/ul m) JU08107119

response 5478

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	11.68
80.00	11.40	12.51
0.00	0.00	0.00

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

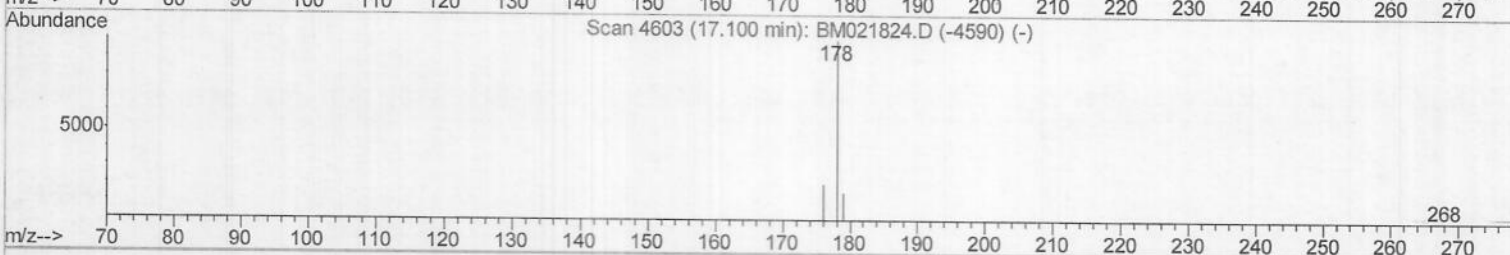
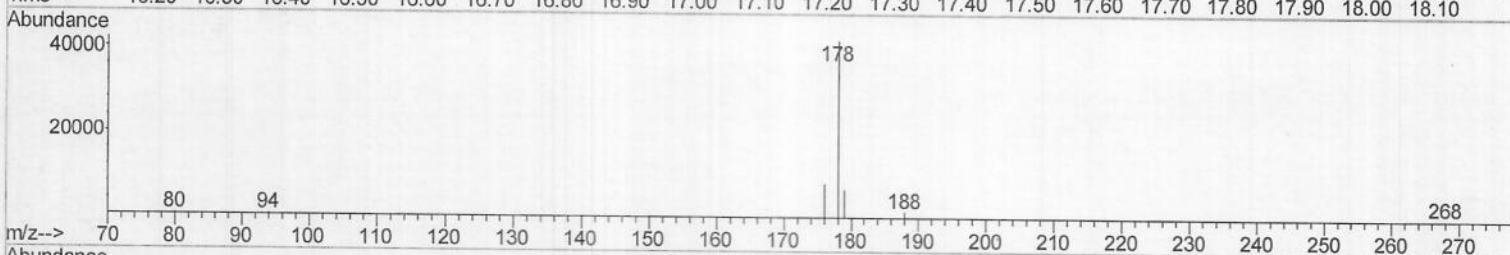
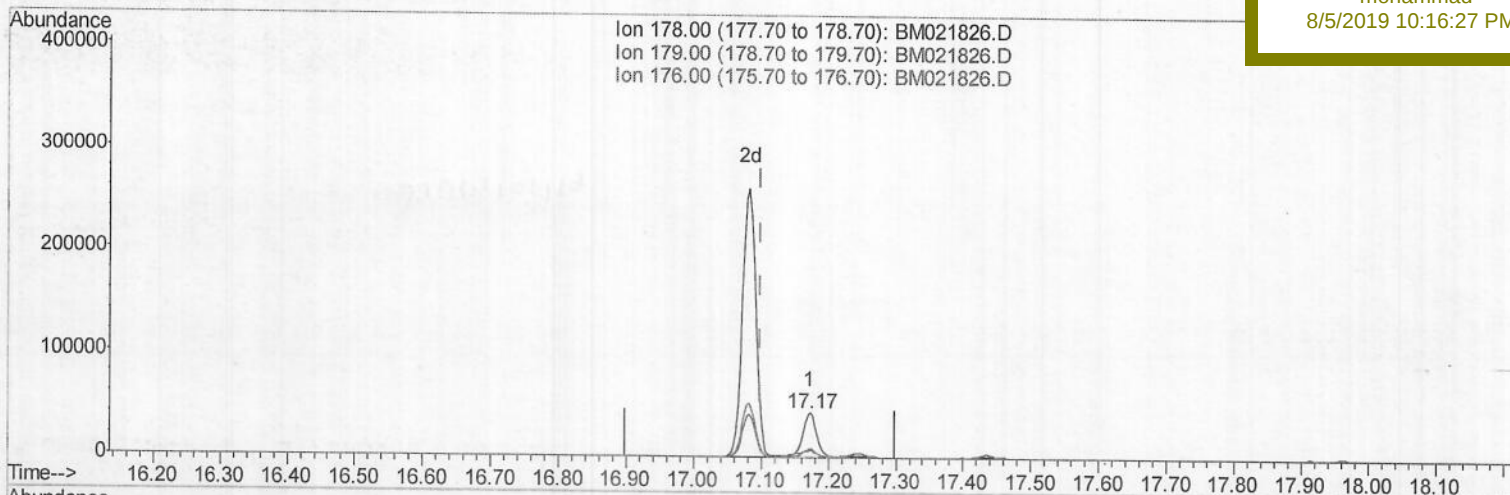
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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TIC: BM021826.D

(12) Phenanthrene

17.173min (+0.073) 3.63ng/ul

response 57828

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	16.22
176.00	21.00	19.08
0.00	0.00	0.00

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

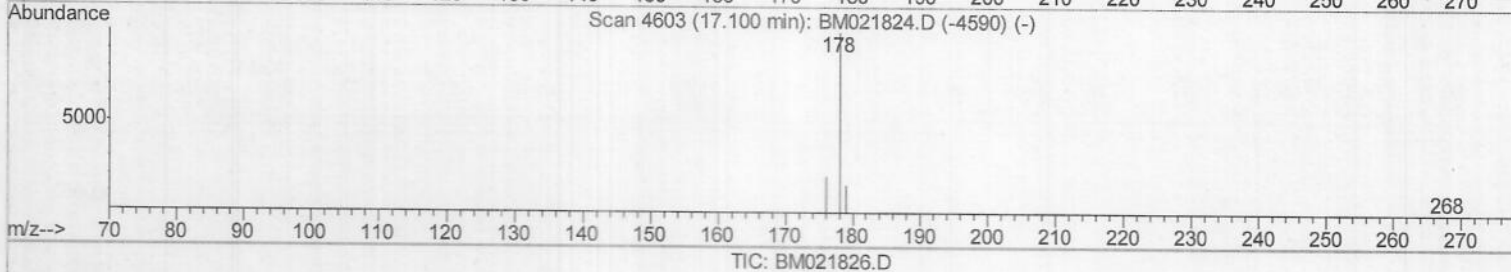
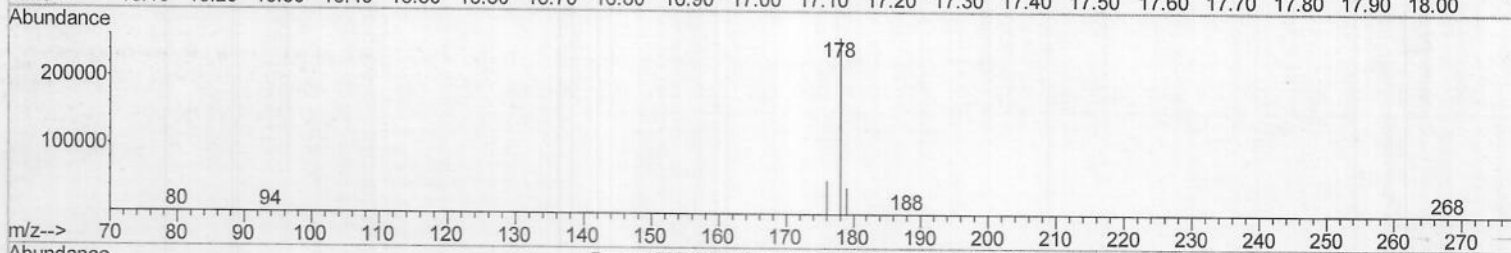
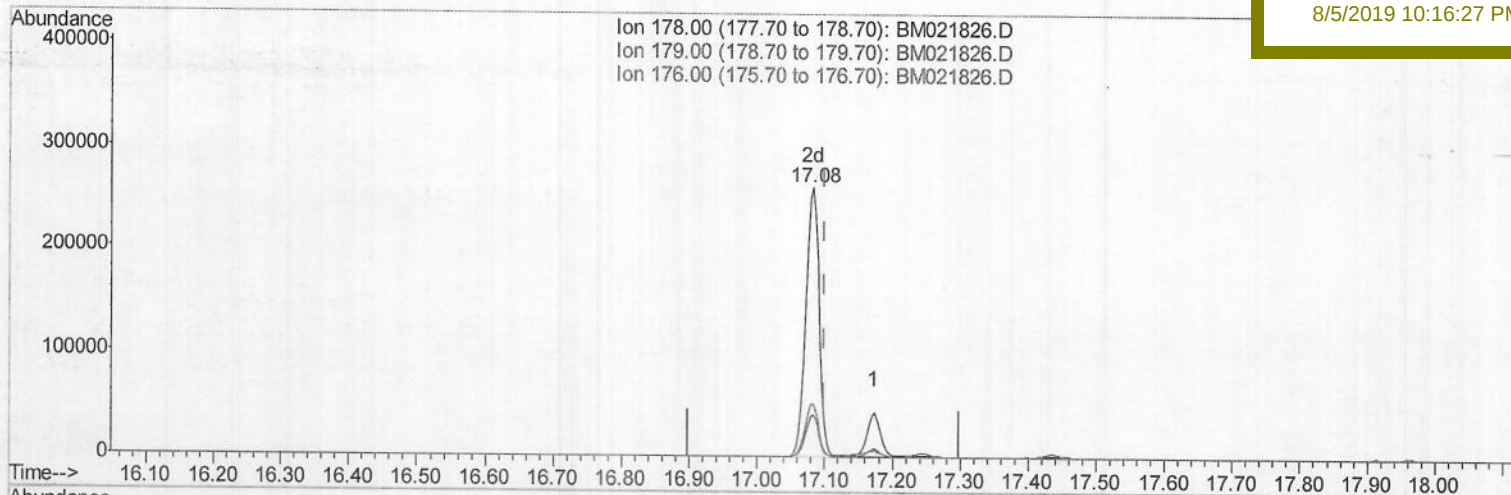
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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(12) Phenanthrene

17.083min (-0.017) 22.28ng/ul m) JU08107119

response 355115

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.42
176.00	21.00	19.44
0.00	0.00	0.00

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

Data File : BM021826.D

Acq On : 05 Aug 2019 00:30

Operator : HP/JU

Sample : K3863-15

Misc :

ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

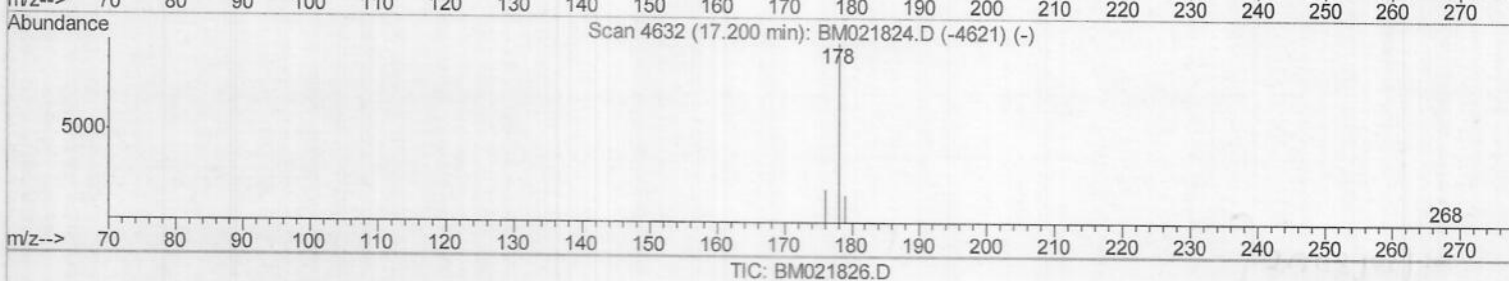
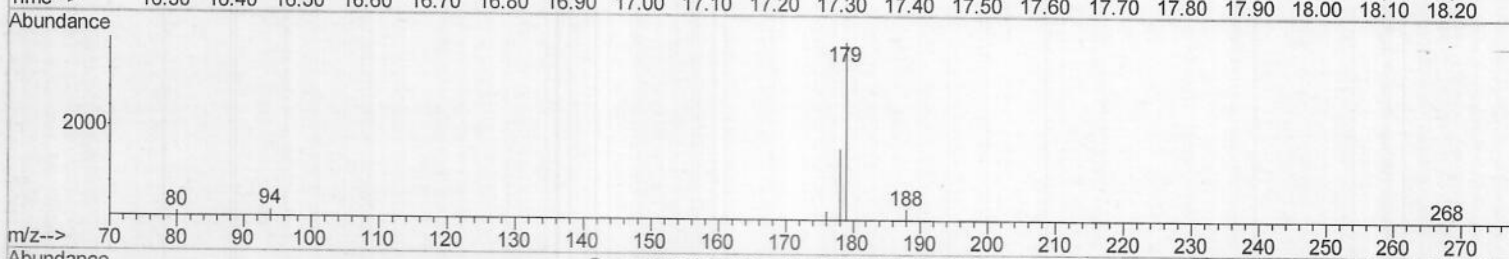
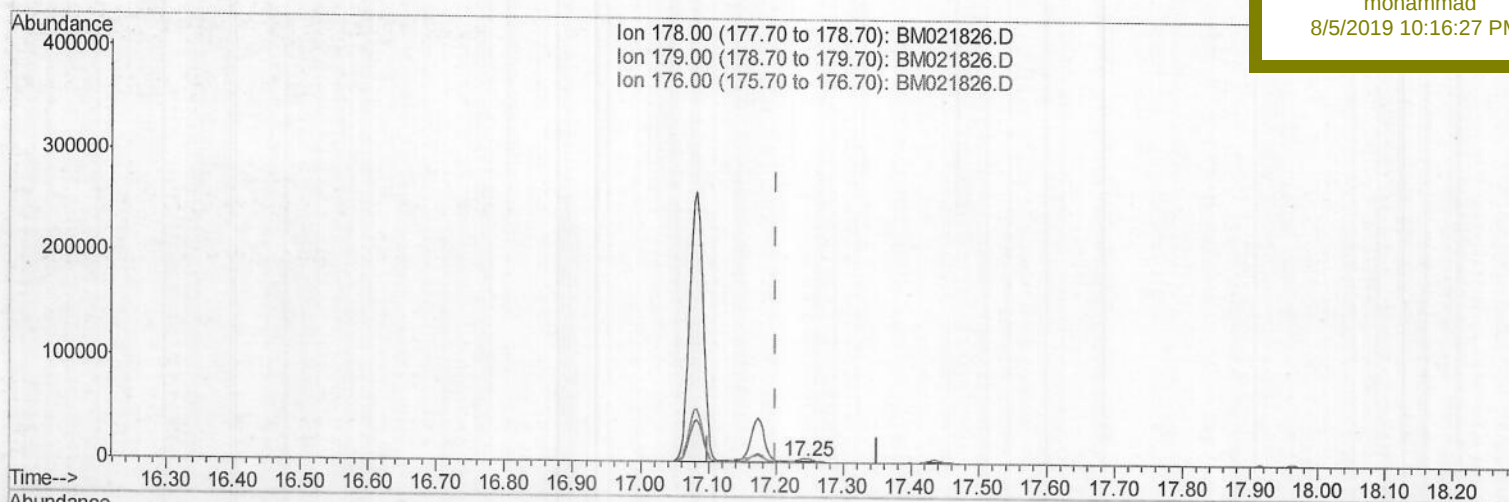
A52F5

Manual Integrations

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(13) Anthracene

17.246min (+0.045) 0.15ng/ul

response 2056

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	243.26#
176.00	20.80	15.30#
0.00	0.00	0.00

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

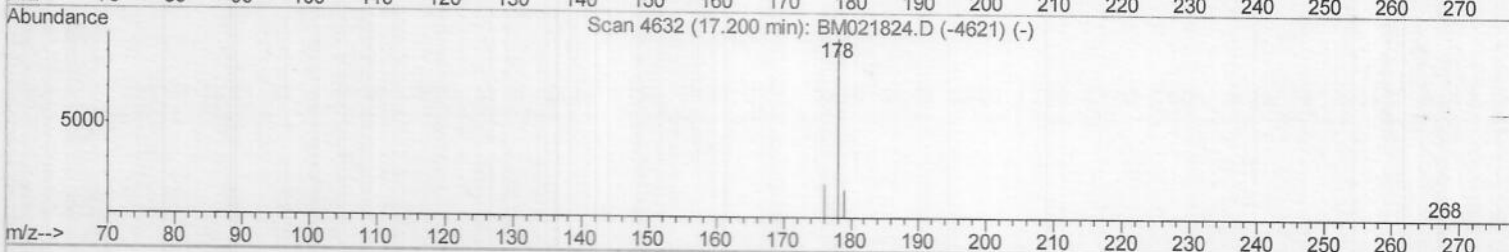
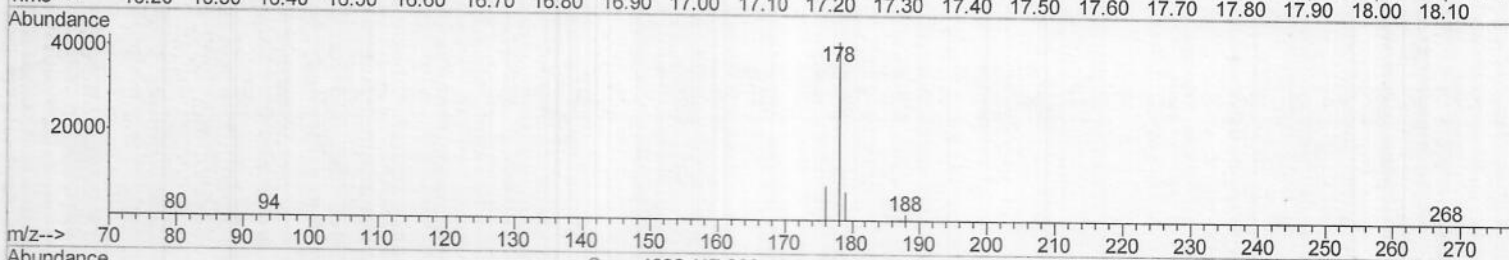
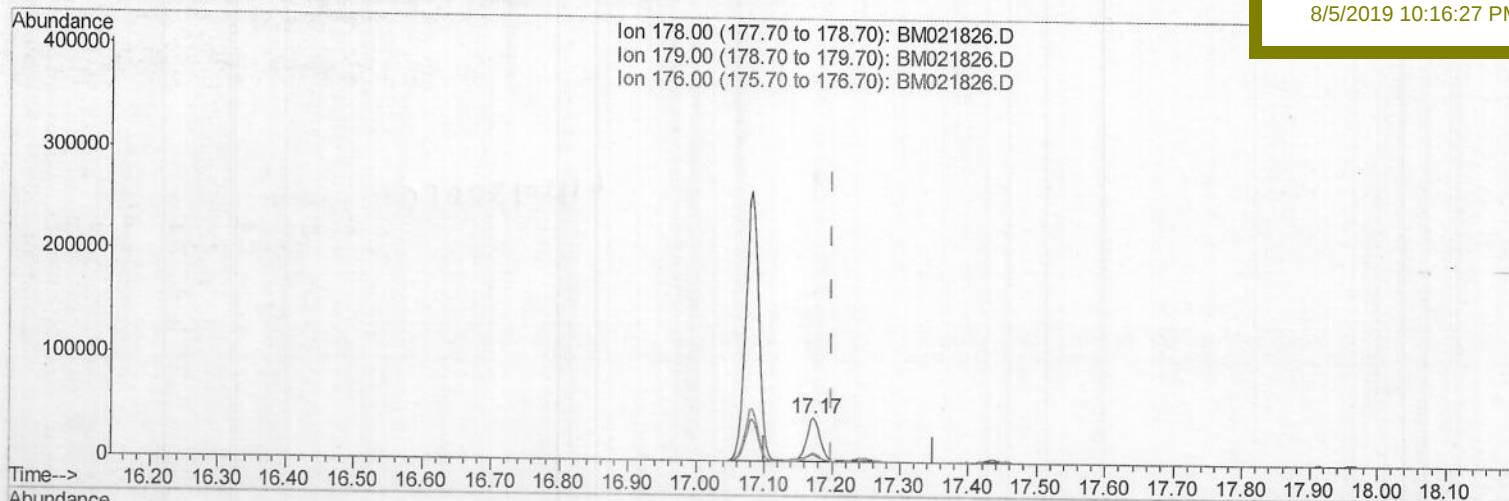
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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TIC: BM021826.D

(13) Anthracene

17.173min (-0.028) 4.15ng/ul m) JU08107119

response 56418

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	16.22
176.00	20.80	19.08
0.00	0.00	0.00

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

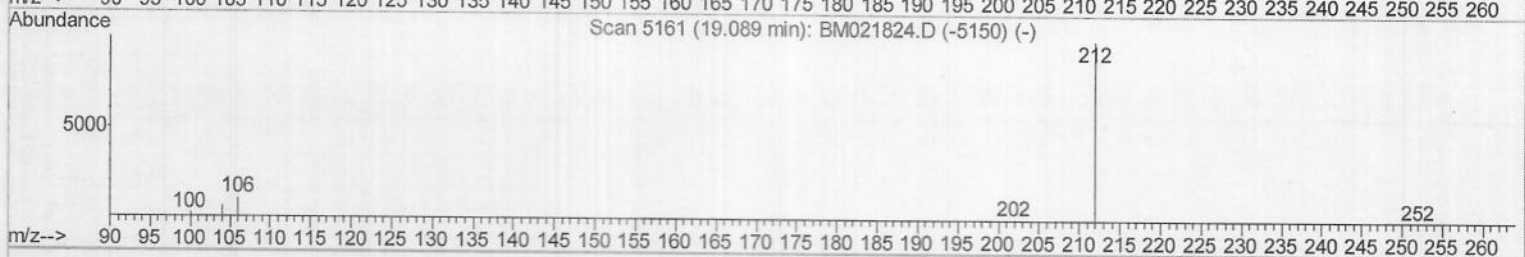
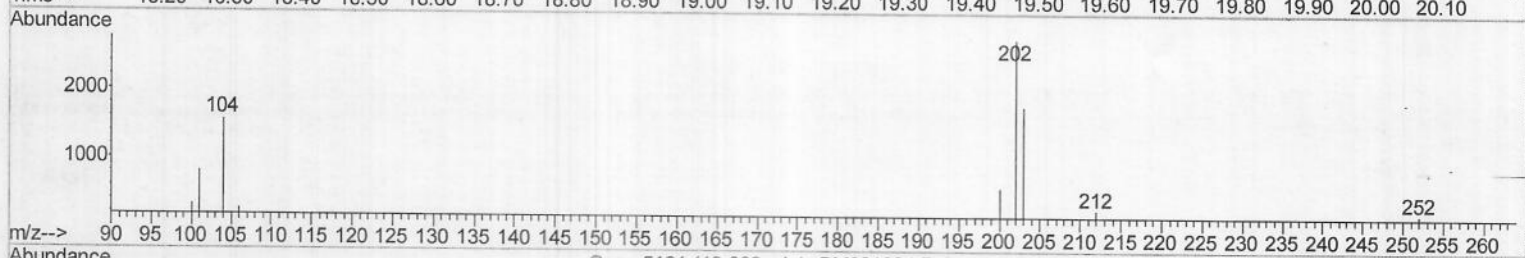
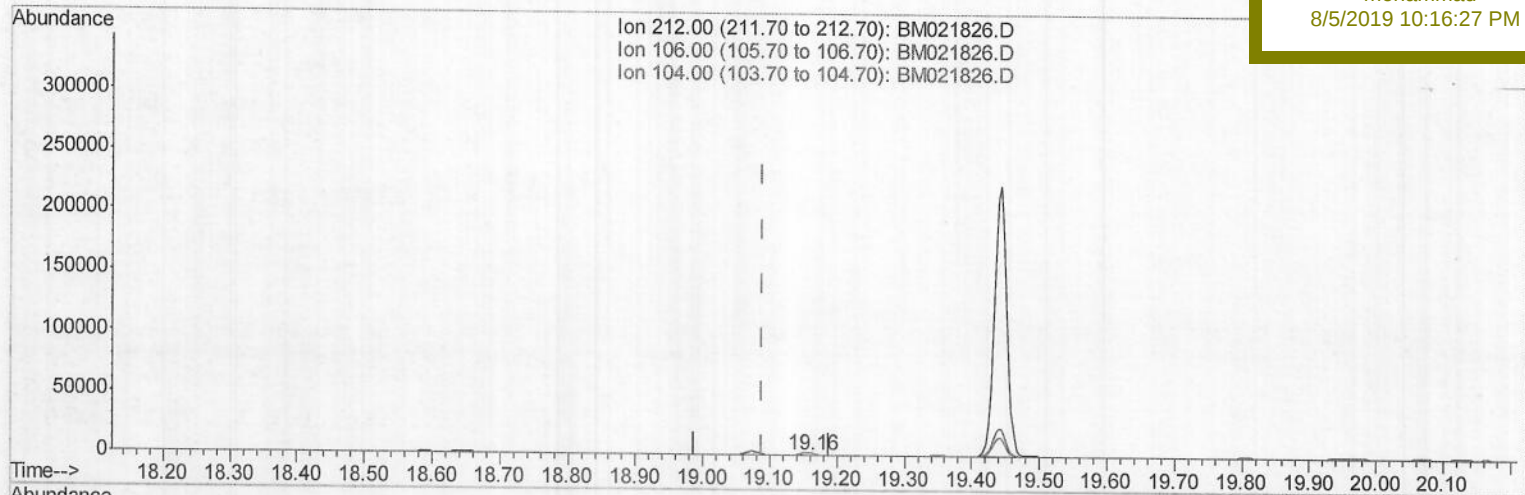
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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TIC: BM021826.D

(14) Fluoranthene-d10 (SURR)

19.161min (+0.073) 0.01ng/ul

response 204

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	12.25#
104.00	6.00	1254.90#
0.00	0.00	0.00

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

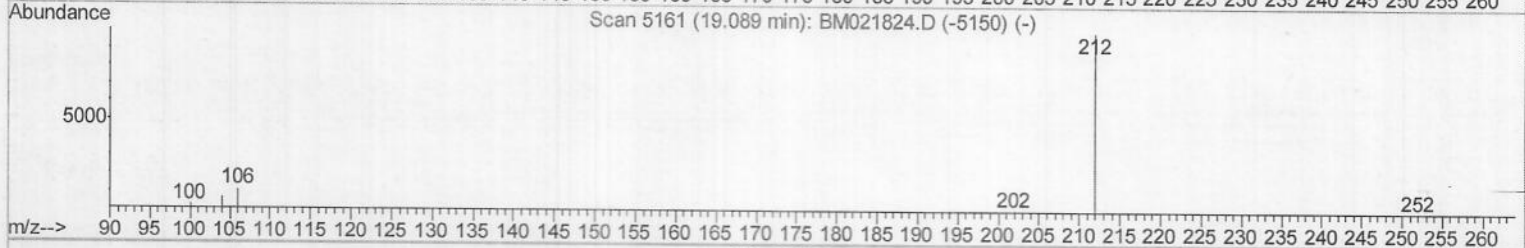
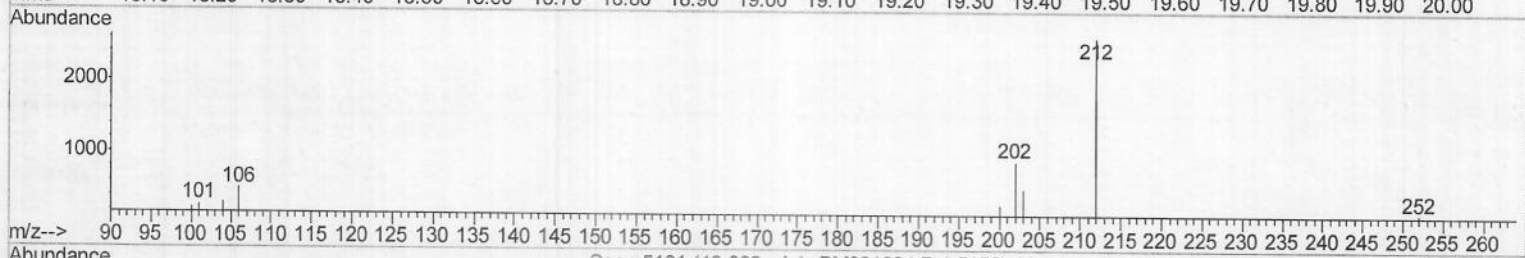
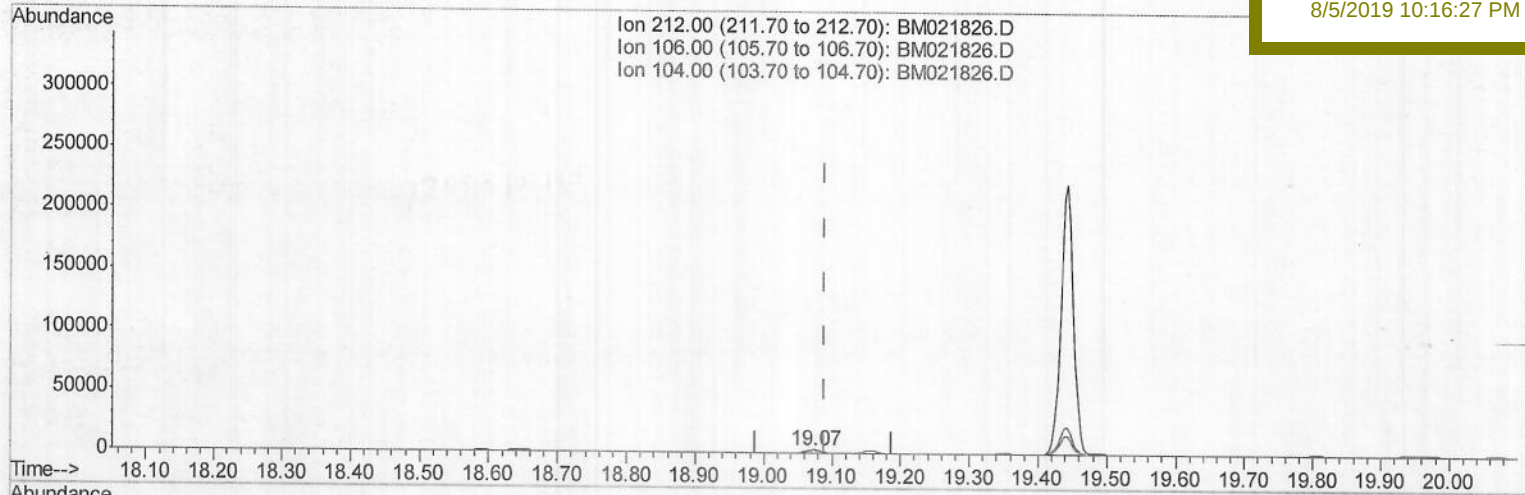
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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TIC: BM021826.D

(14) Fluoranthene-d10 (SURR)

19.073min (-0.015) 0.21ng/ul m) 3008107119

response 3824

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.65#
104.00	6.00	66.95#
0.00	0.00	0.00

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

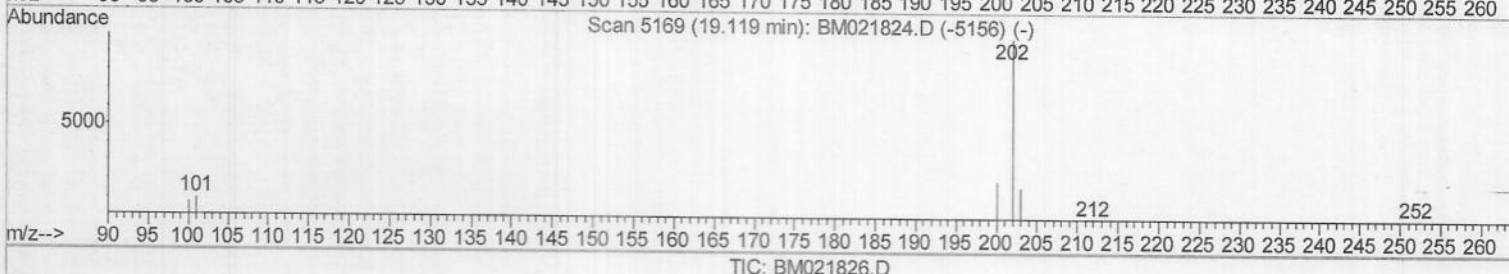
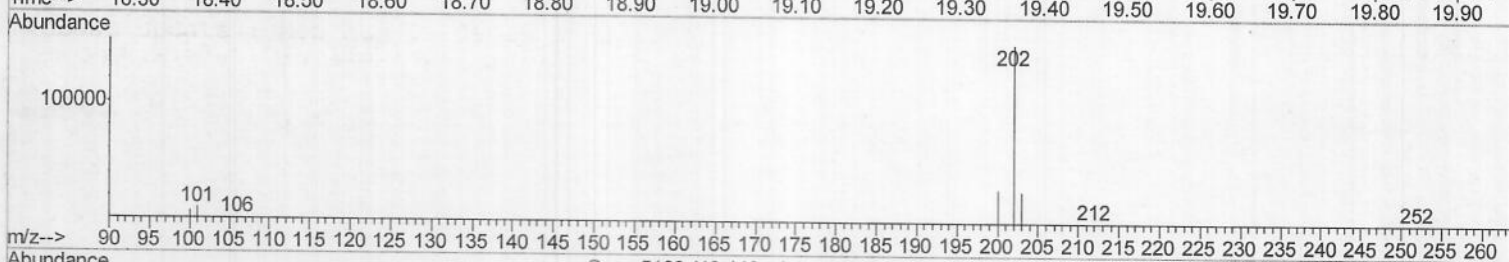
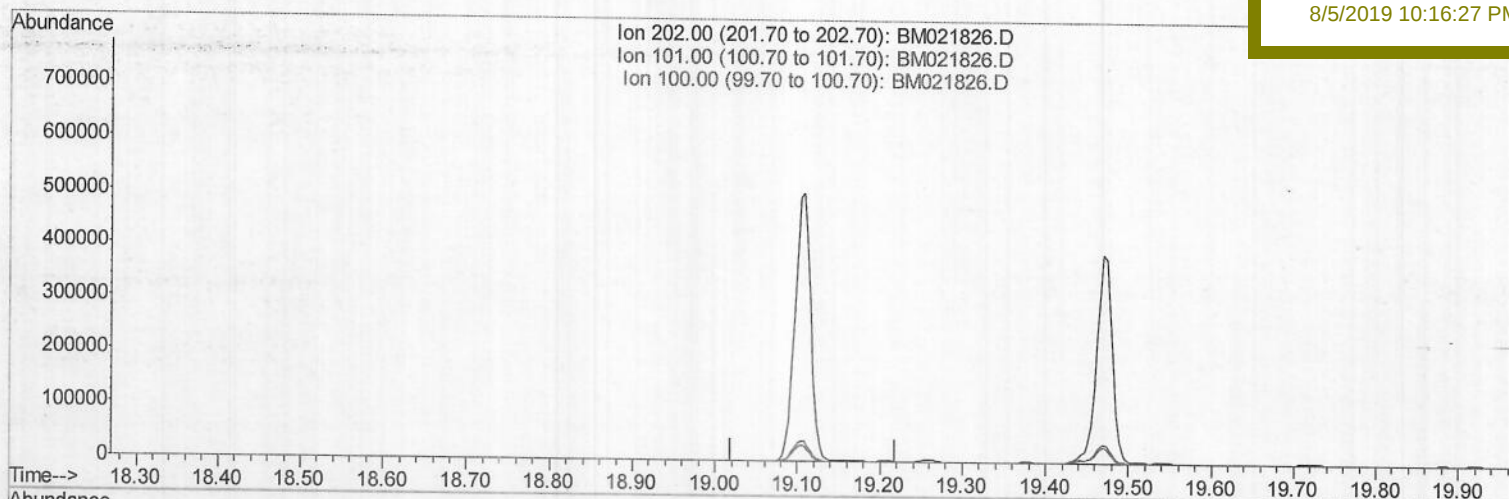
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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(15) Fluoranthene (C)

19.119min (-19.119) 0.00ng/ul

response 0

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

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

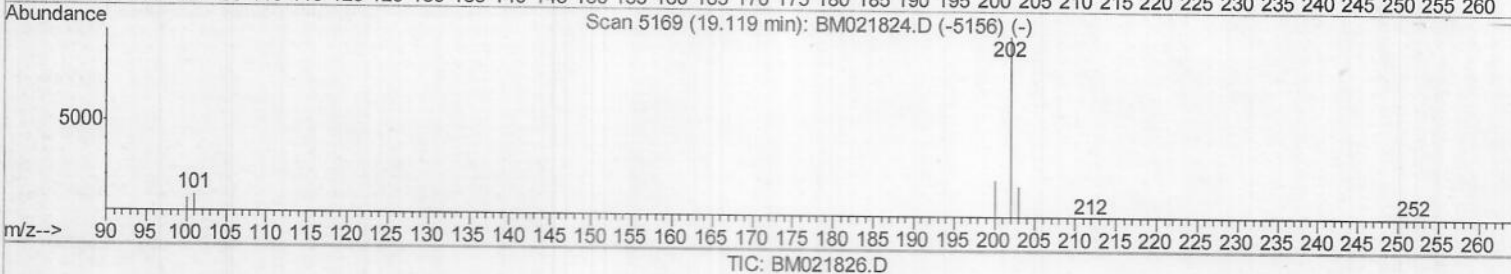
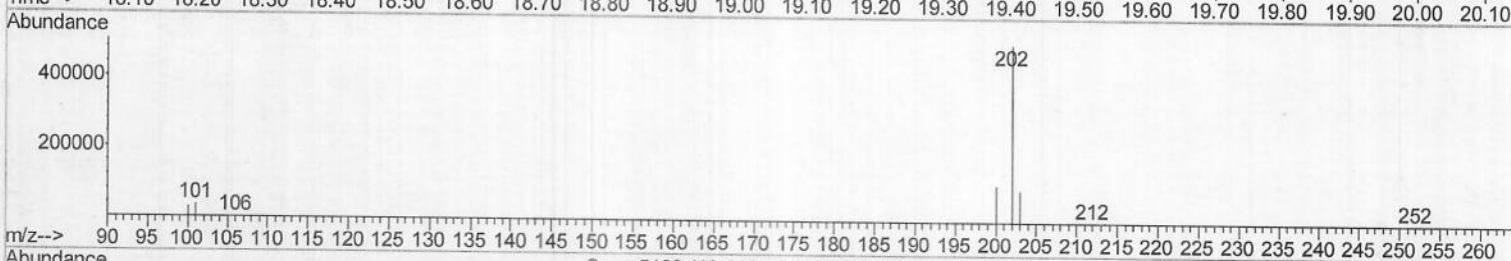
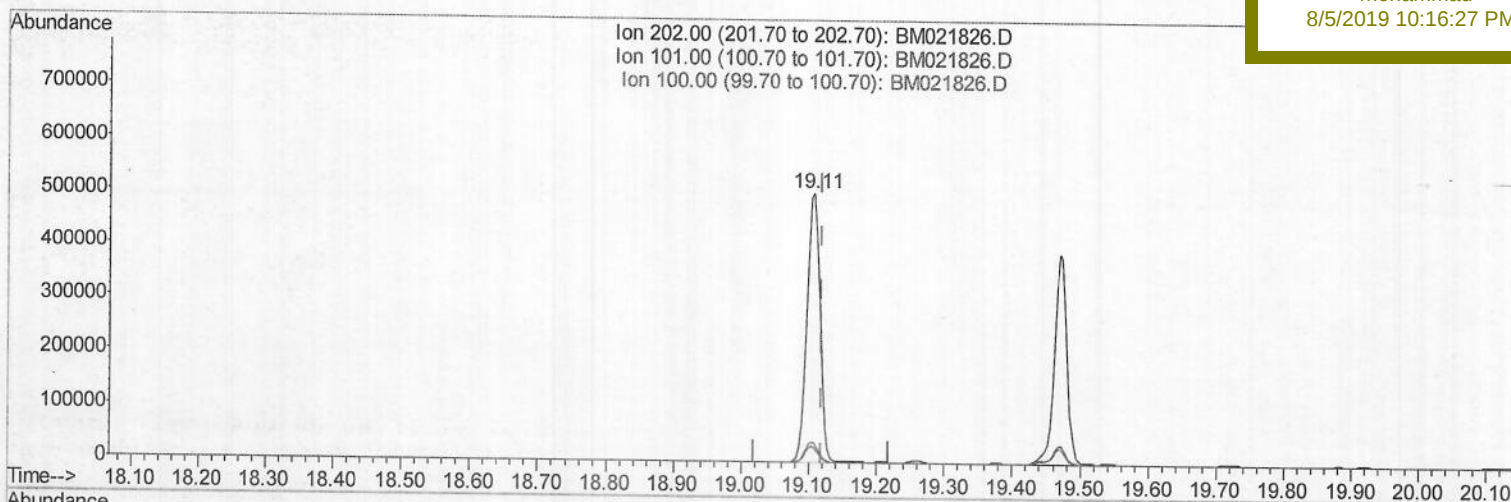
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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(15) Fluoranthene (C)

19.108min (-0.011) 31.14ng/ul m JU08107119

response 664891

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	7.21
100.00	8.10	5.55
0.00	0.00	0.00

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

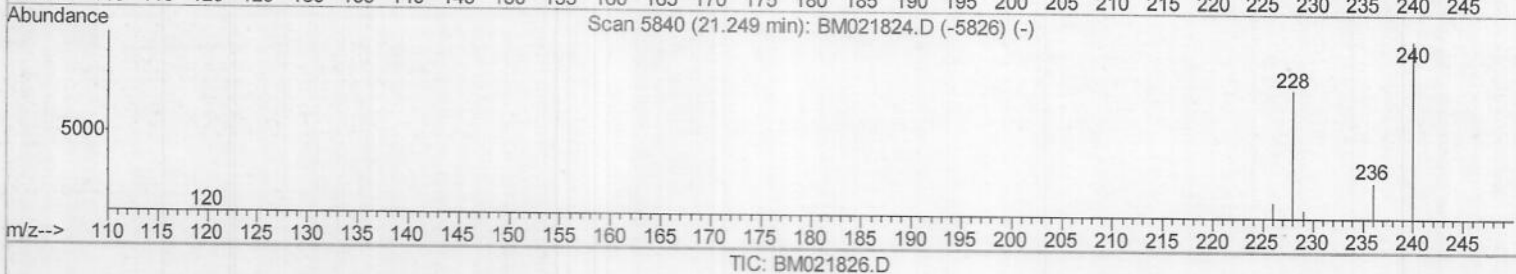
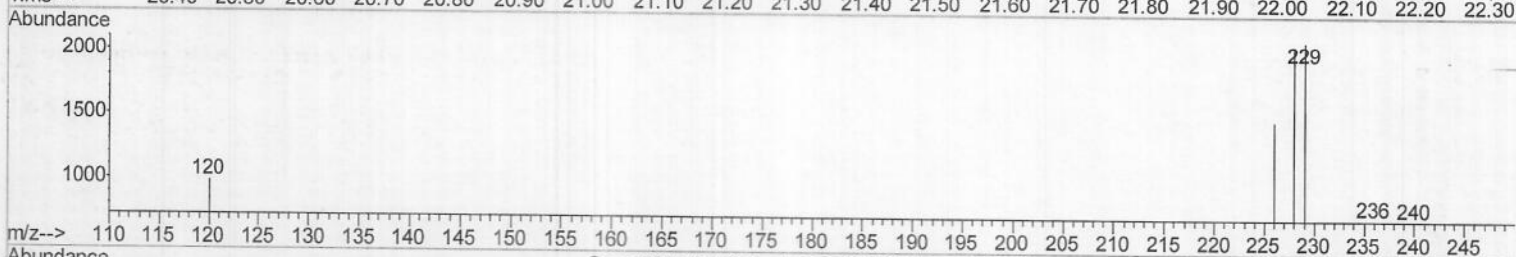
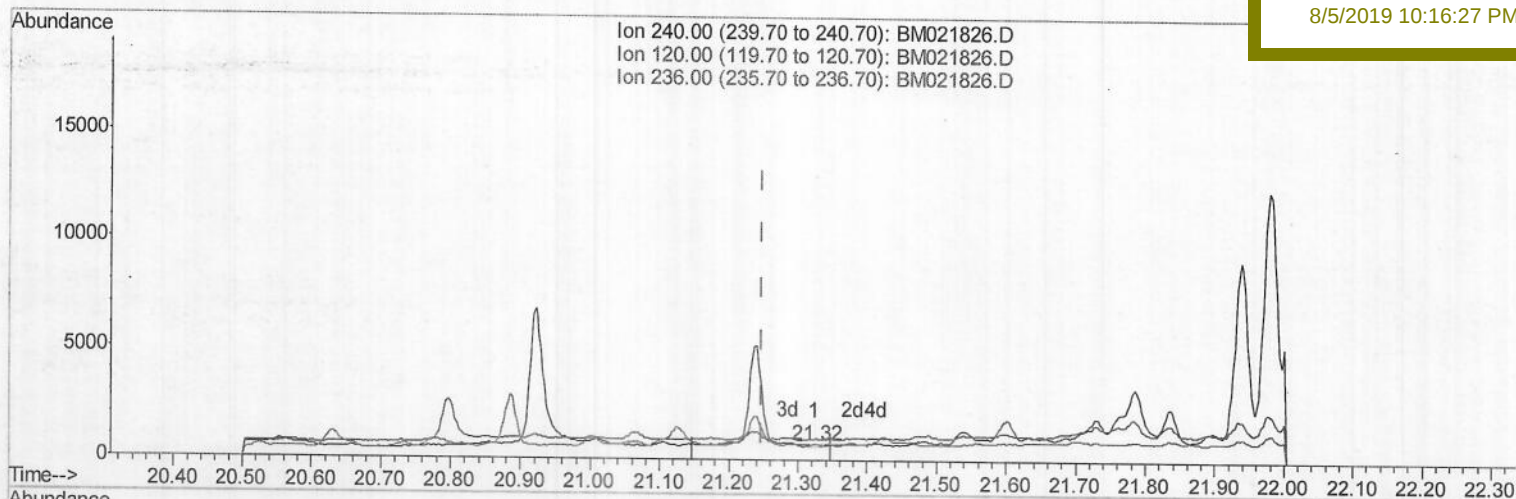
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A52F5

Manual Integrations
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(16) Chrysene-d12 (I)

21.324min (+0.075) 0.40ng/ul

response 89

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	134.80#
236.00	32.30	100.69#
0.00	0.00	0.00

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

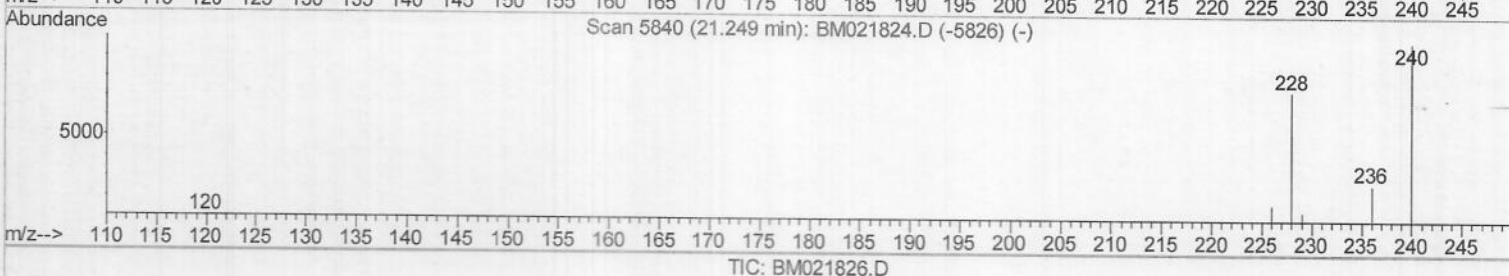
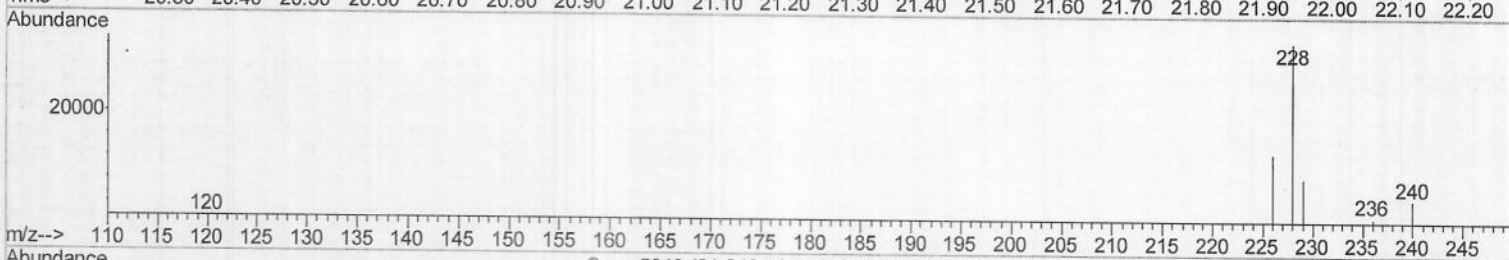
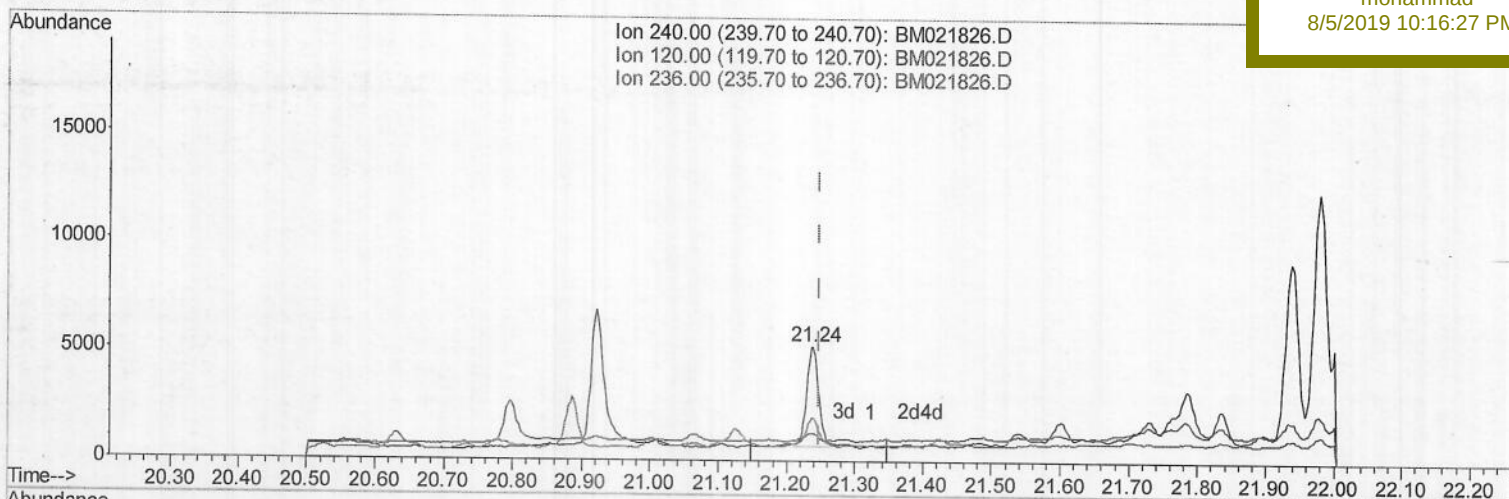
Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:31:16 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 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
Client Sampled :
A52F5

Manual Integrations
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(16) Chrysene-d12 (I)

21.239min (-0.010) 0.40ng/ul m *STU0810119*

response 5494

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	24.50#
236.00	32.30	38.03
0.00	0.00	0.00

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

Quantitation Report (QT Reviewed)

Data File : BM021826.D

Acq On : 05 Aug 2019 00:30

Operator : HP/JU

Sample : K3863-15

Misc :

ALS Vial : 69 Sample Multiplier: 1

Quant Time: Aug 05 08:33:18 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 08:19:16 2019

Response via : Initial Calibration

Instrument :

BNA_M

Client Sample Id :

A52F5

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	891	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3609	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2163	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	5478m)	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	5494m)	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5860	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.02	152	1059	0.18	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	3824m)	0.21	ng/ul	-0.02

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	1858	0.182	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	962	0.142	ng/ul	92
7) Acenaphthylene	14.01	152	6687	0.663	ng/ul	96
8) Acenaphthene	14.35	153	13420	1.626	ng/ul	95
9) Fluorene	15.34	166	18216	1.987	ng/ul	97
12) Phenanthrene	17.08	178	355115m)	22.279	ng/ul	
13) Anthracene	17.17	178	56418m)	4.149	ng/ul	
15) Fluoranthene	19.11	202	664891m)	31.140	ng/ul	
17) Pyrene	19.47	202	519077	22.992	ng/ul	96
18) Benzo(a)anthracene	21.22	228	258841m)	13.171	ng/ul	99
19) Chrysene	21.28	228	283639	11.223	ng/ul	
21) Benzo(b)fluoranthene	22.79	252	366240m)	18.534	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	123977m)	5.544	ng/ul	
23) Benzo(a)pyrene	23.36	252	237163	11.802	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.67	276	168513	7.023	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.67	278	42051	2.168	ng/ul	95
26) Benzo(g,h,i)perylene	26.36	276	162194	7.508	ng/ul#	93

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