

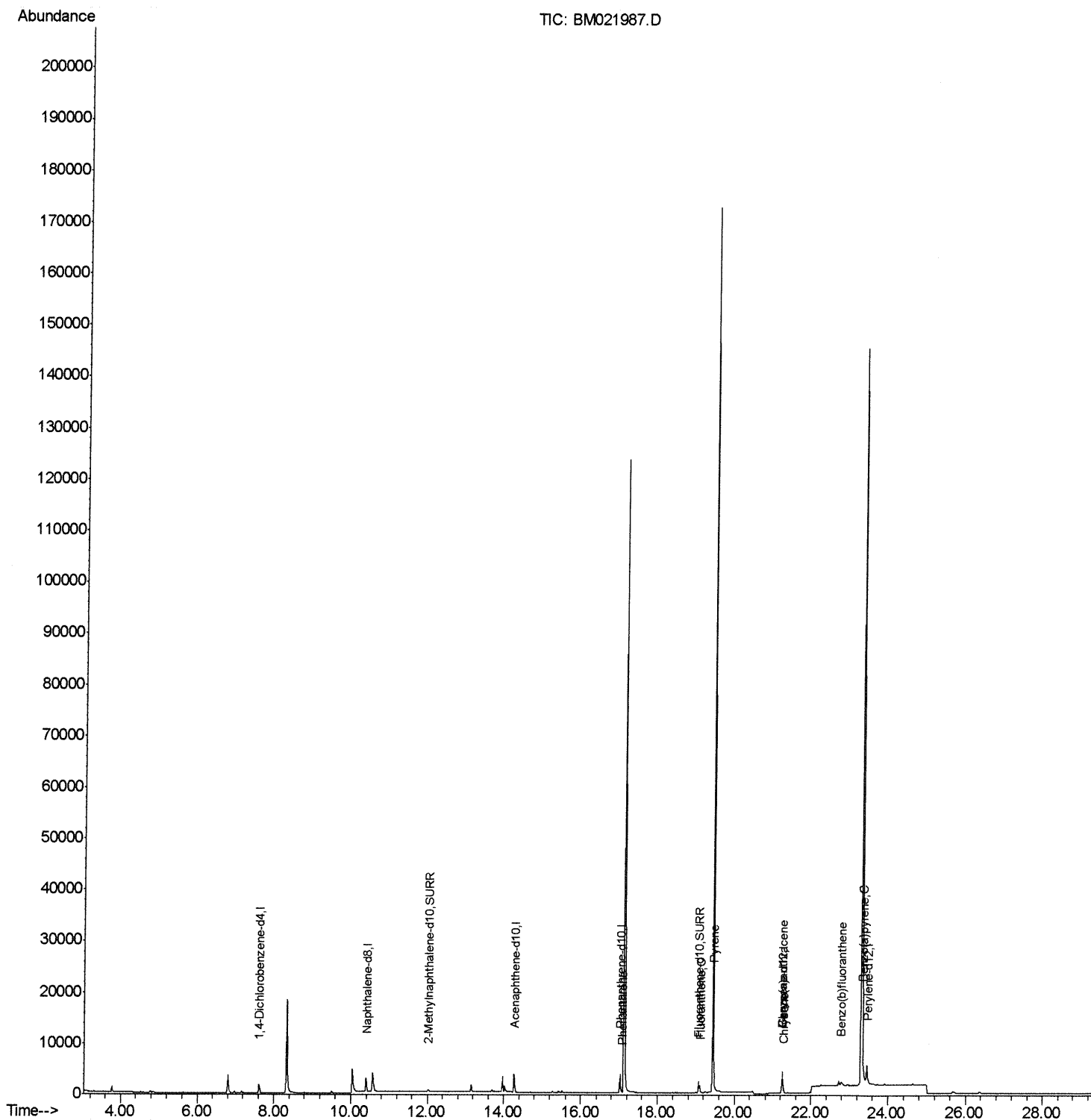
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
Data File : BM021987.D
Acq On : 10 Aug 2019 02:01
Operator : HP/JU
Sample : K4041-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS9

Manual Integrations
APPROVED

Sohil
8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:58:37 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

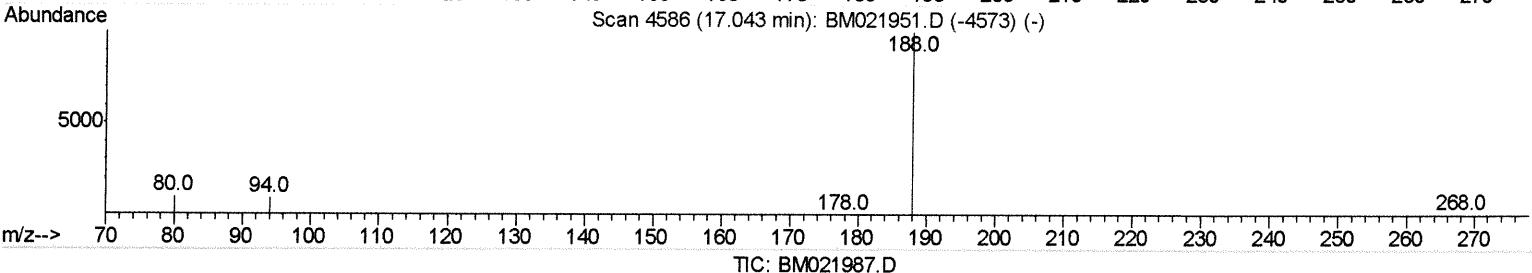
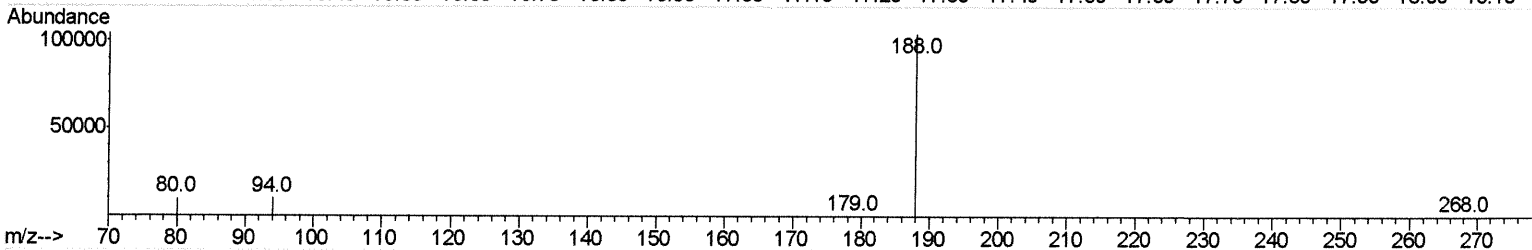
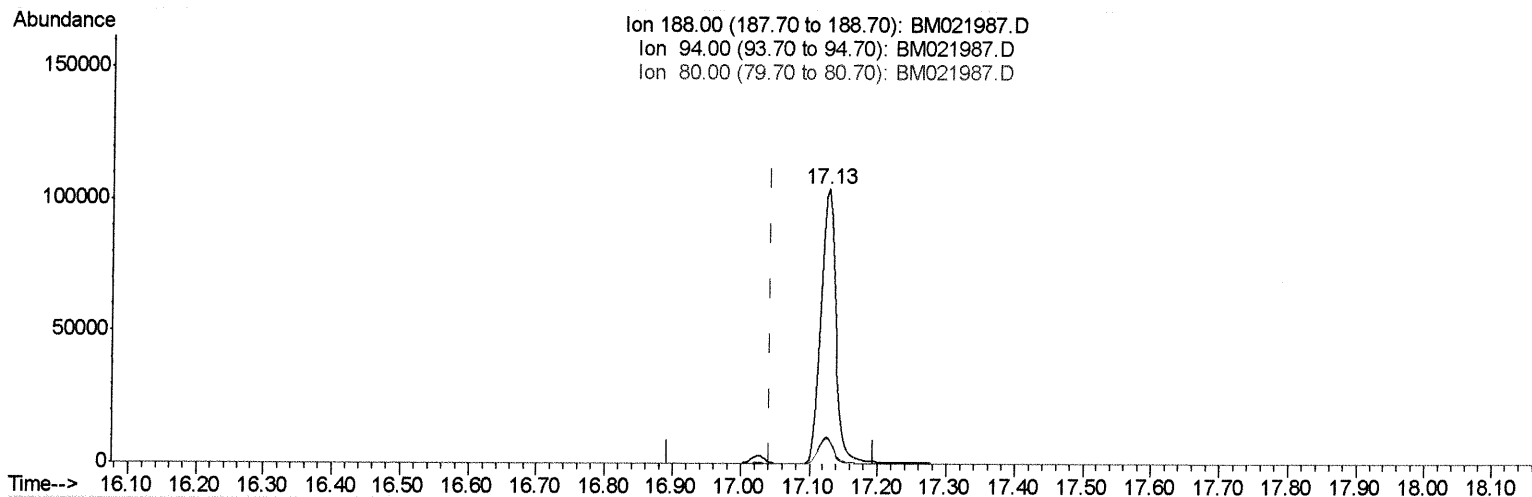
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BENS9

Manual Integrations
APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 05:24:25 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



TIC: BM021987.D

(10) Phenanthrene-d10 (I)

17.126min (+0.082) 0.40ng/ul

response 152900

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.50
80.00	11.40	8.97#
0.00	0.00	0.00

Quantitation Report (Qedit)

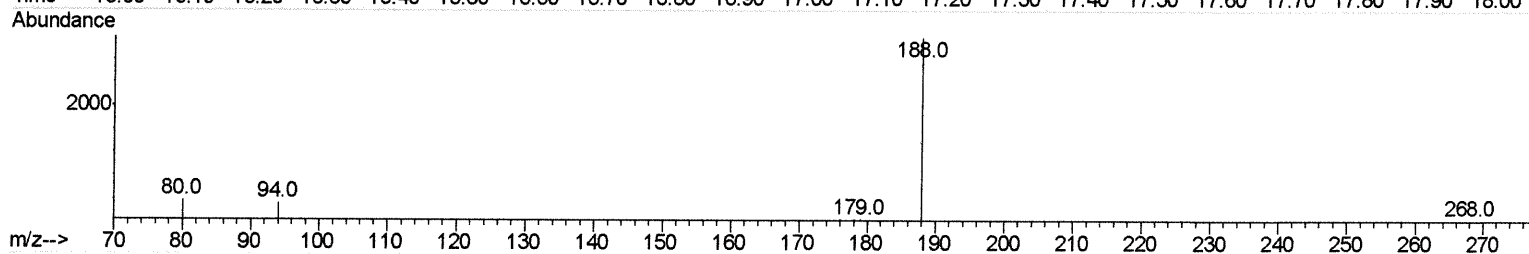
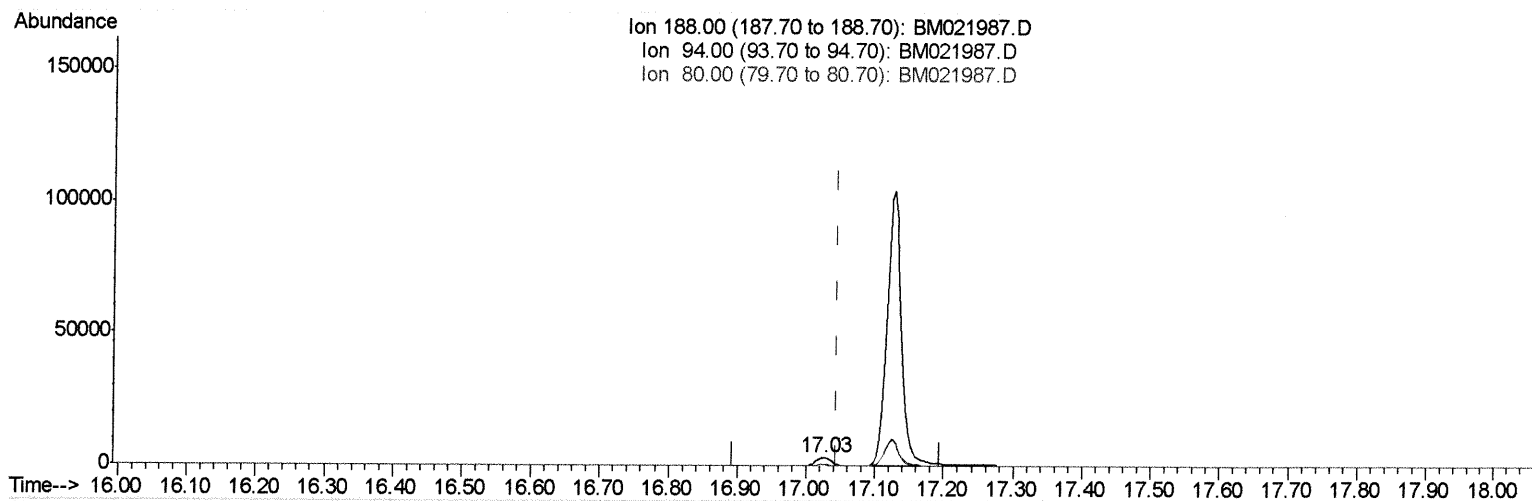
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 BENS9

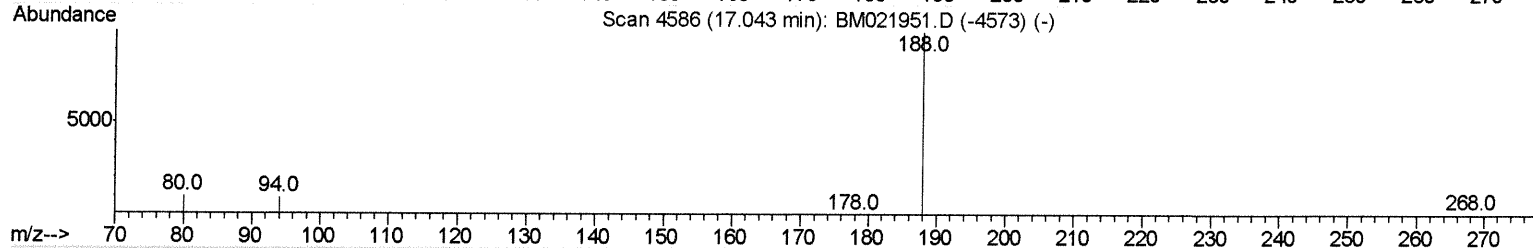
Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 05:24:25 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



Scan 4586 (17.043 min): BM021951.D (-4573) (-)



TIC: BM021987.D

(10) Phenanthrene-d10 (I)

17.025min (-0.019) 0.40ng/ul m

JU
 08/12/19

response 4579

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.27
80.00	11.40	11.37
0.00	0.00	0.00

Quantitation Report (Qedit)

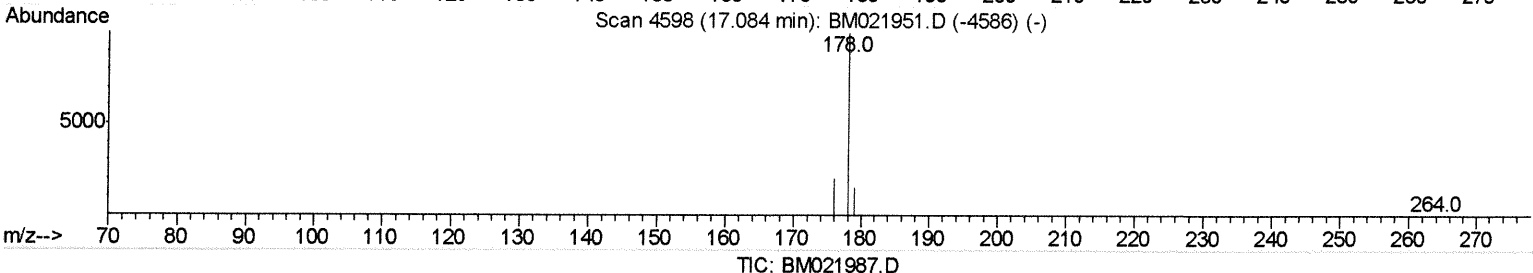
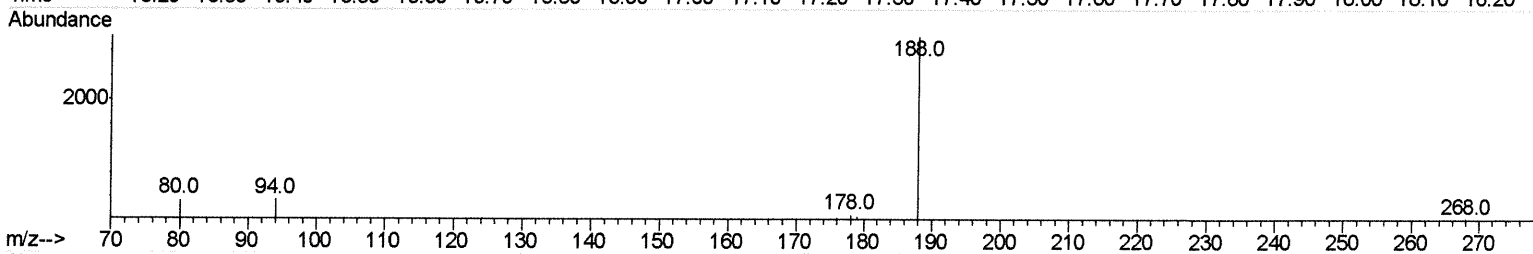
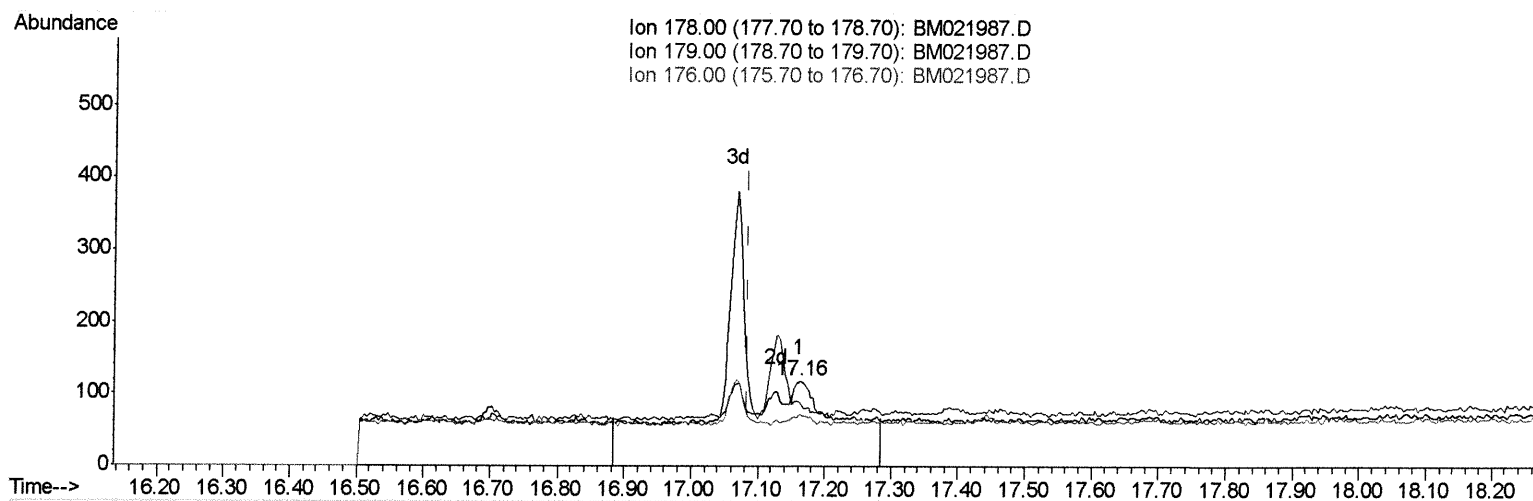
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BENS9

Manual Integrations
APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:54:26 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.161min (+0.075) 0.01ng/ui

response 120

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	76.27#
176.00	21.00	60.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

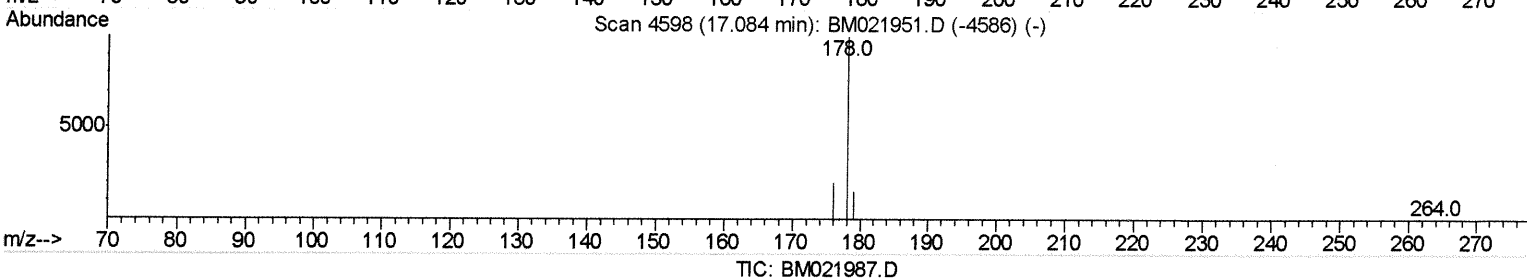
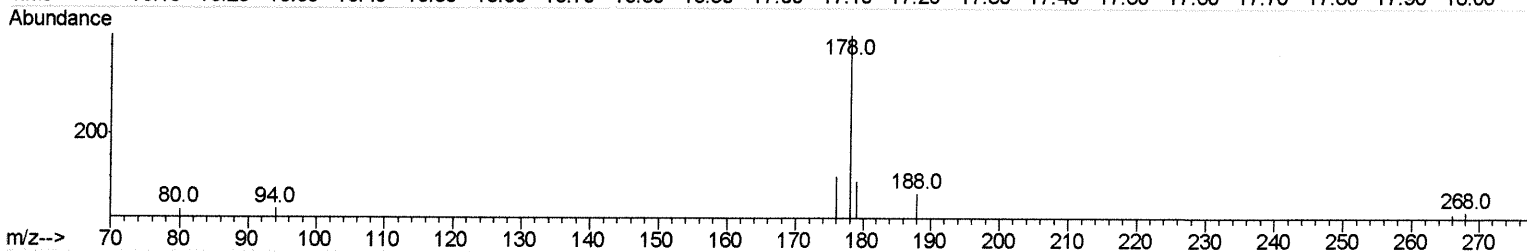
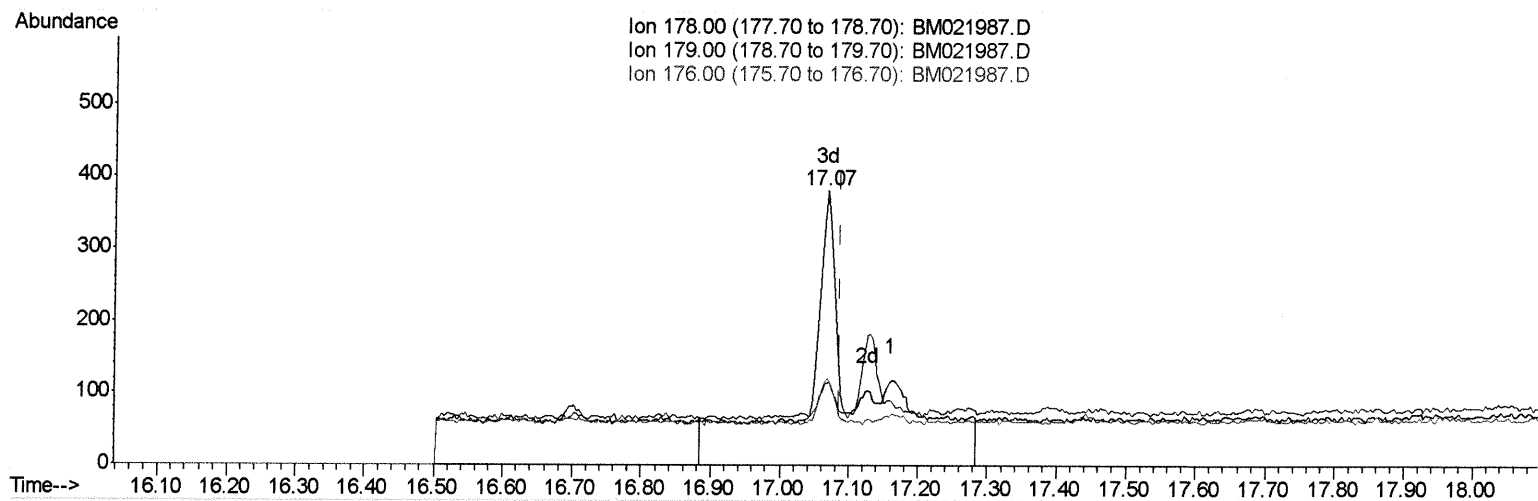
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS9

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:54:26 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.067min (-0.019) 0.03ng/ul m *JU* 08/12/19

response 434

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	29.92#
176.00	21.00	32.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

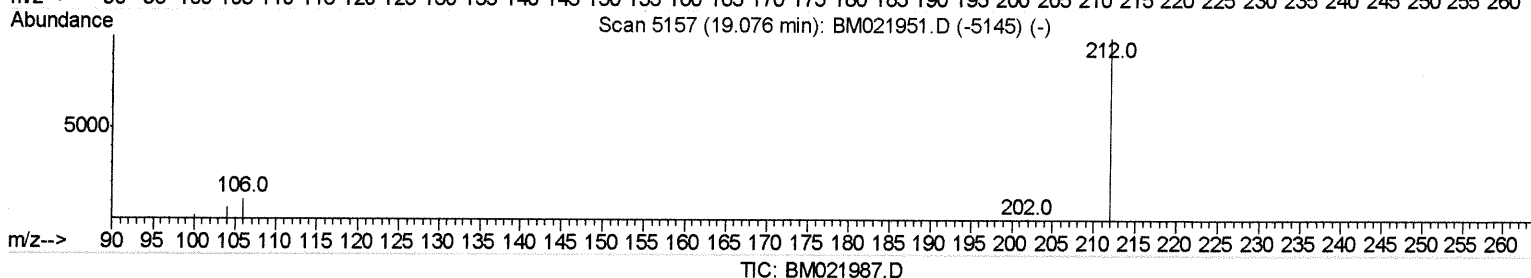
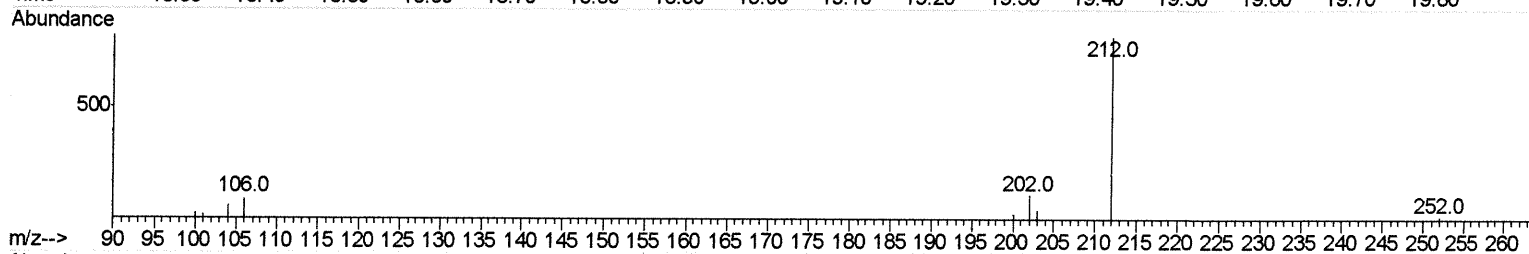
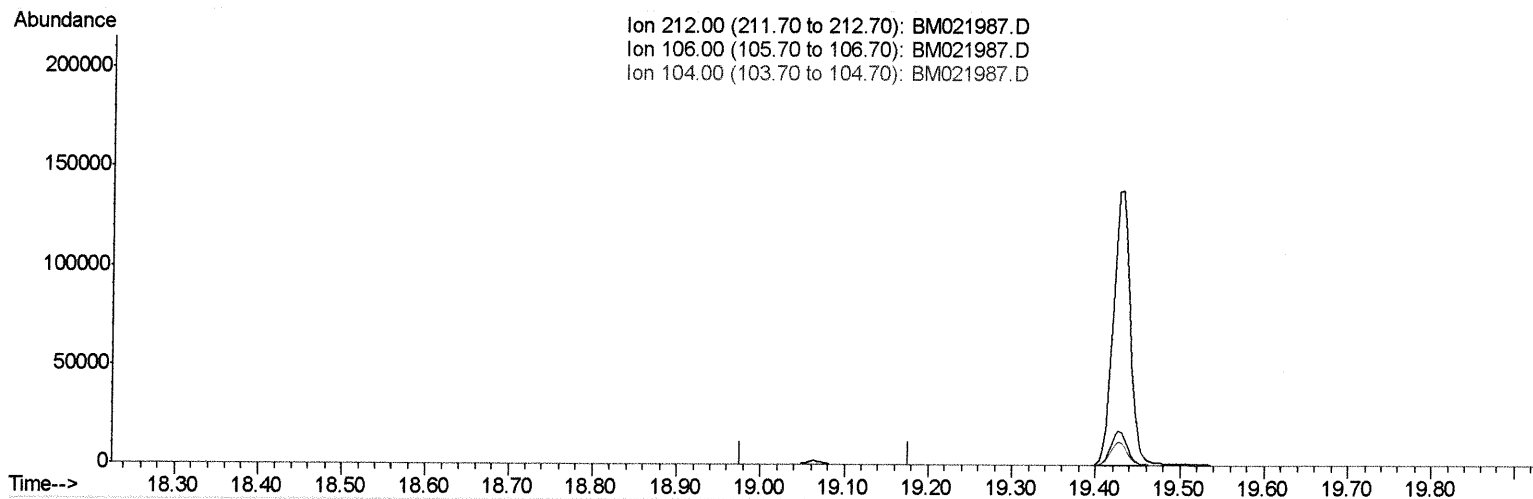
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BENS9

Manual Integrations
APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:54:26 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.077min (-19.077) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

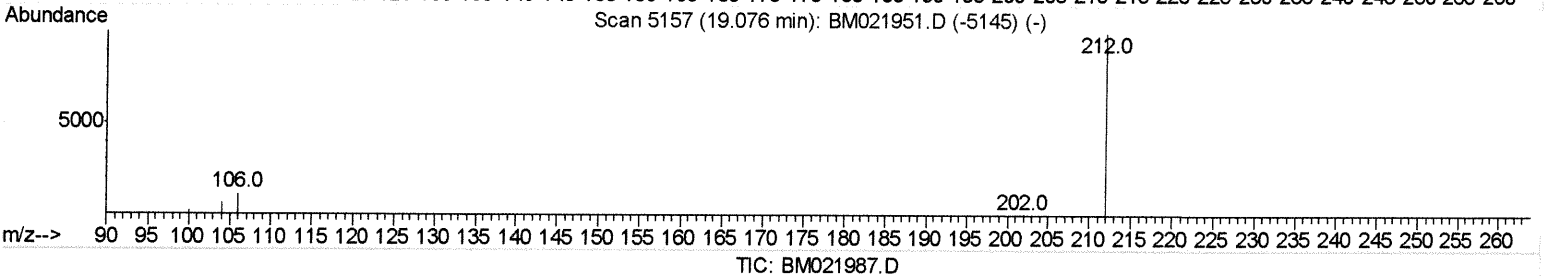
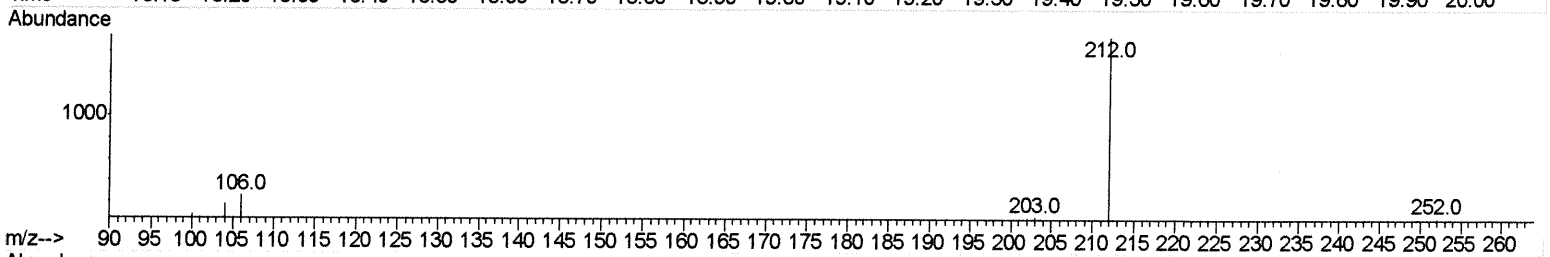
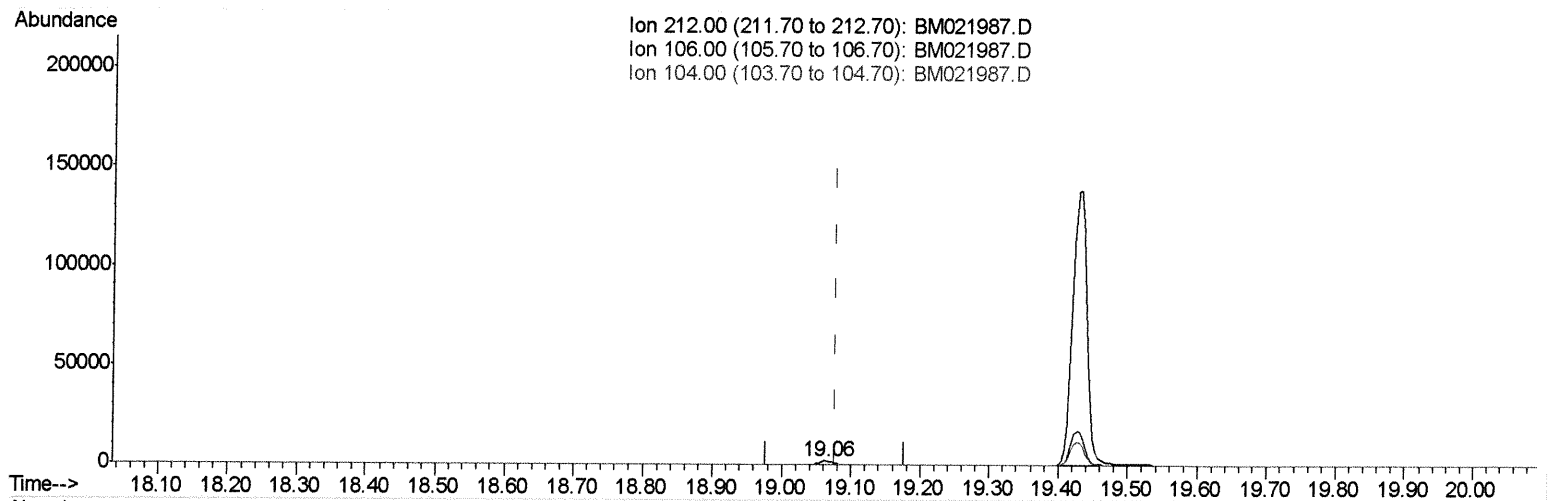
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS9

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:54:26 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.064min (-0.013) 0.15ng/ul m *JU* 08/12/19

response 2352

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

Quantitation Report (Qedit)

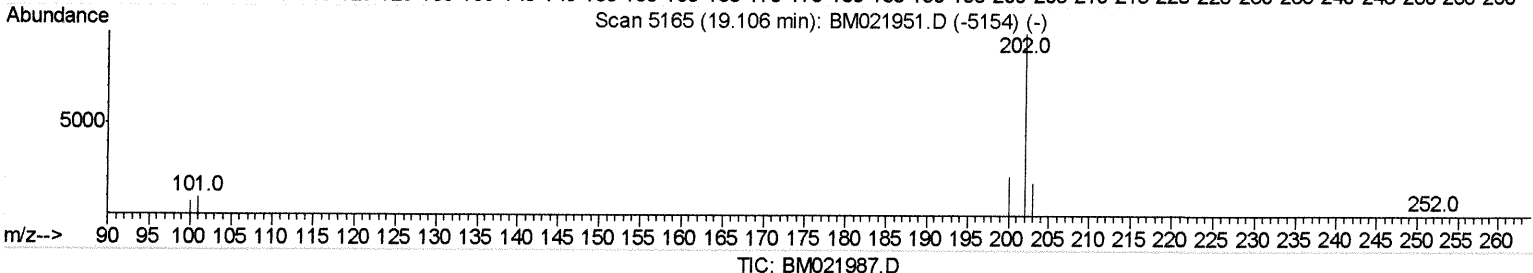
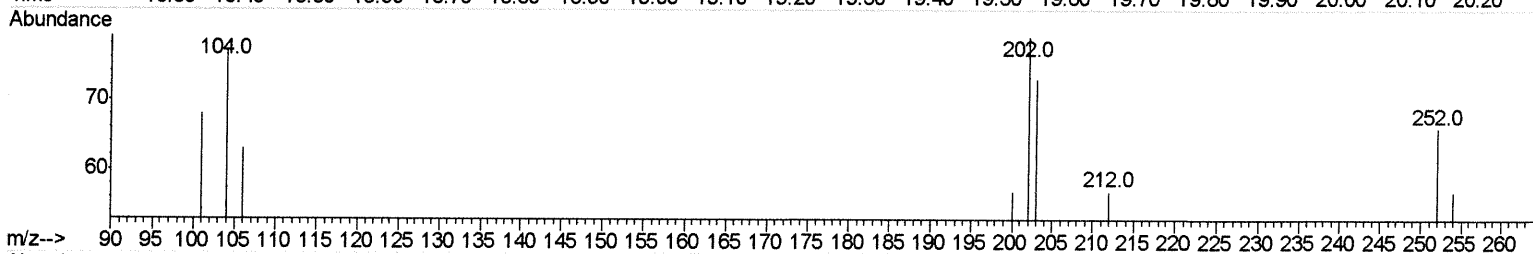
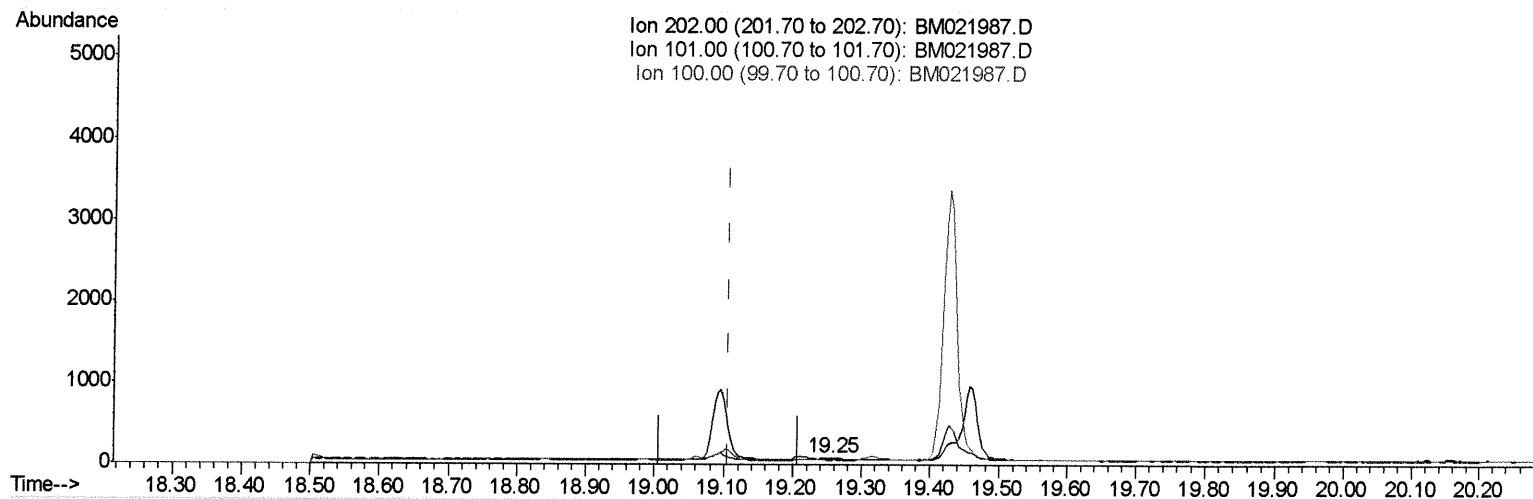
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
Data File : BM021987.D
Acq On : 10 Aug 2019 02:01
Operator : HP/JU
Sample : K4041-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS9

Manual Integrations
APPROVED

Sohil
8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:54:26 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.255min (+0.147) 0.00ng/ui

response 35

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	86.08#
100.00	8.10	67.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

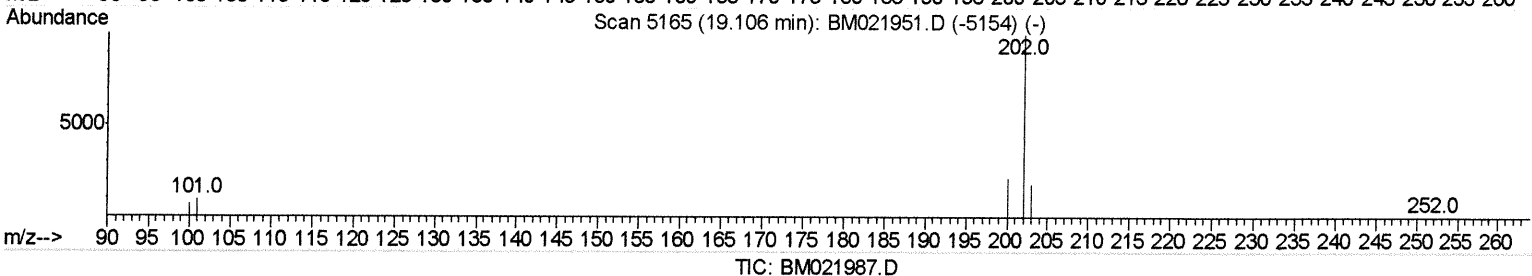
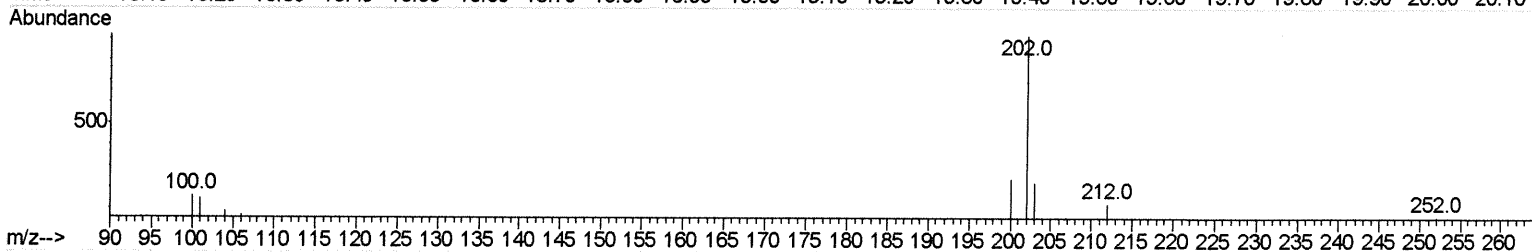
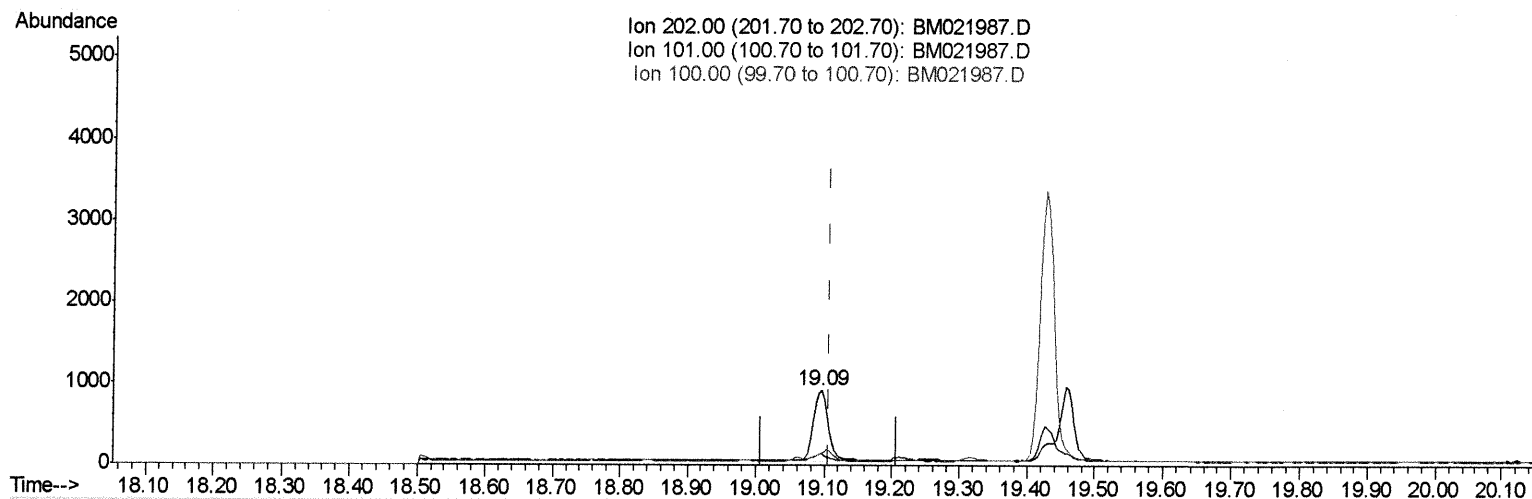
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS9

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:54:26 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.095min (-0.013) 0.07ng/ul m *JU* 08/12/19

response 1315

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	16.17
100.00	8.10	17.38
0.00	0.00	0.00

Quantitation Report (Qedit)

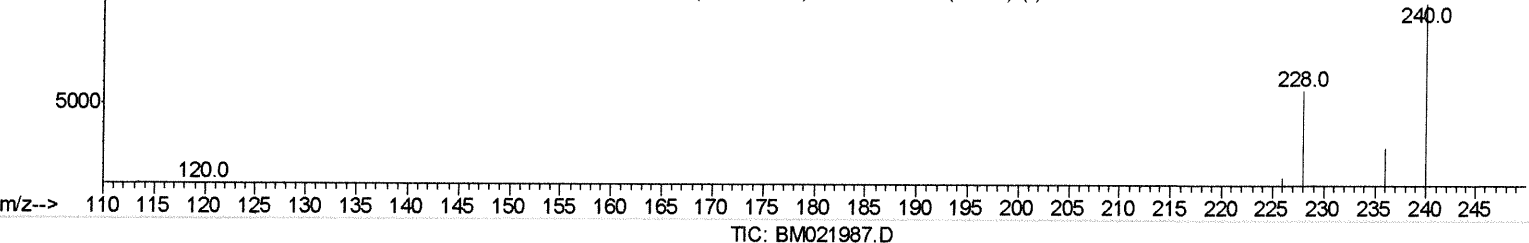
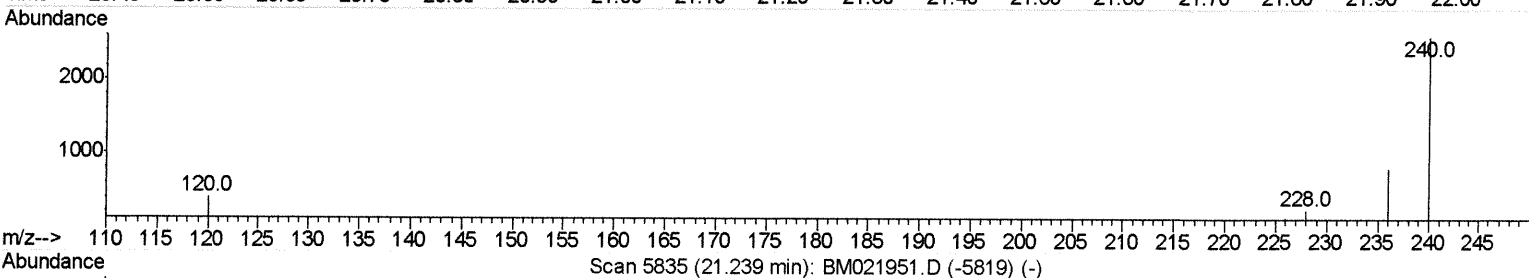
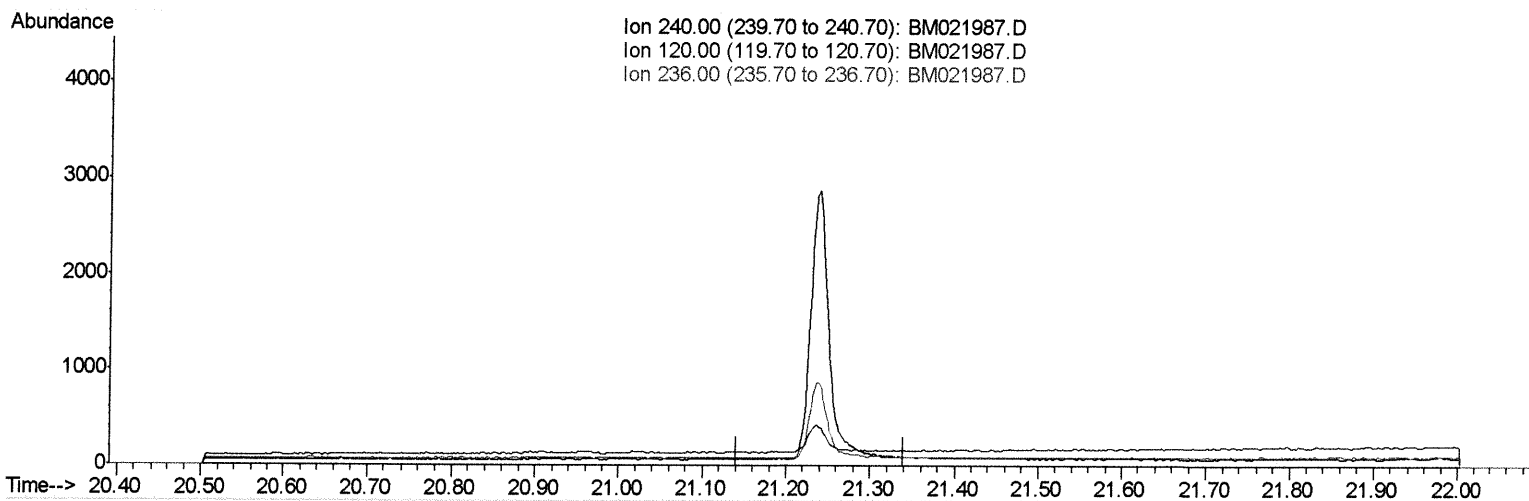
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BENS9

Manual Integrations
APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:54:26 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.241min (-21.241) 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

Quantitation Report (Qedit)

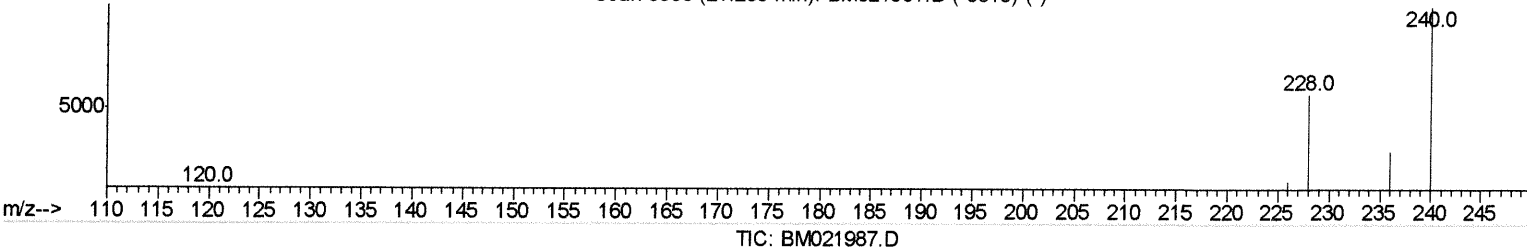
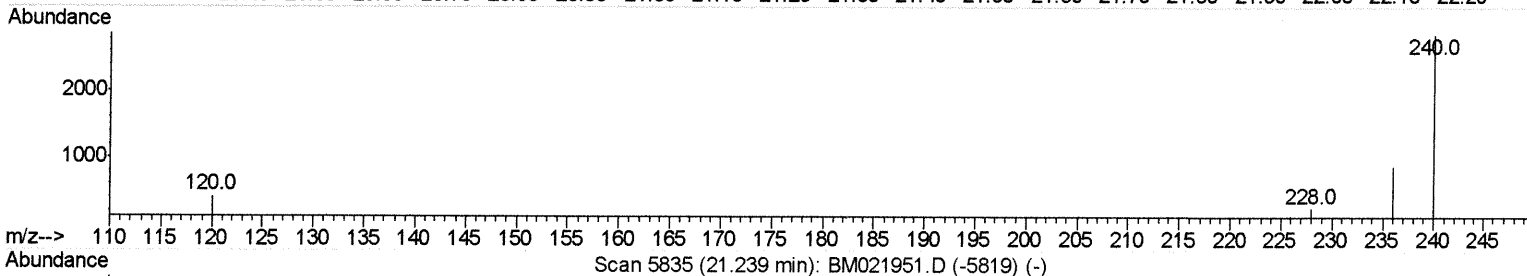
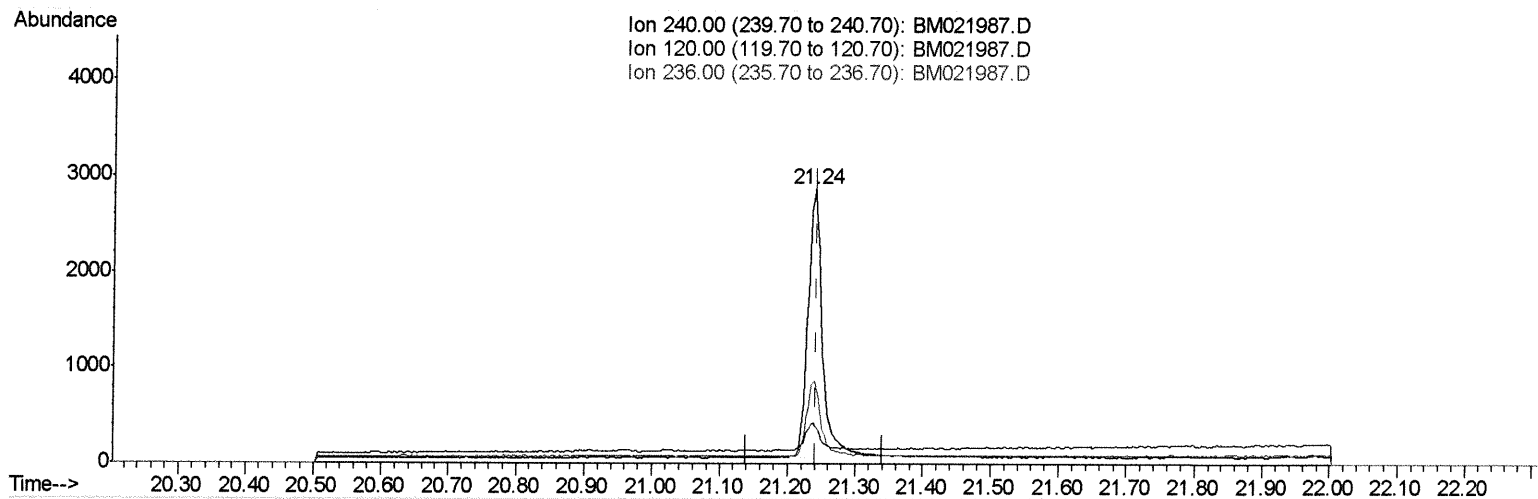
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 BENS9

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:54:26 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.239min (-0.002) 0.40ng/ul m *JU 08/12/19*

response 4248

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	13.94
236.00	32.30	30.18
0.00	0.00	0.00

Quantitation Report (Qedit)

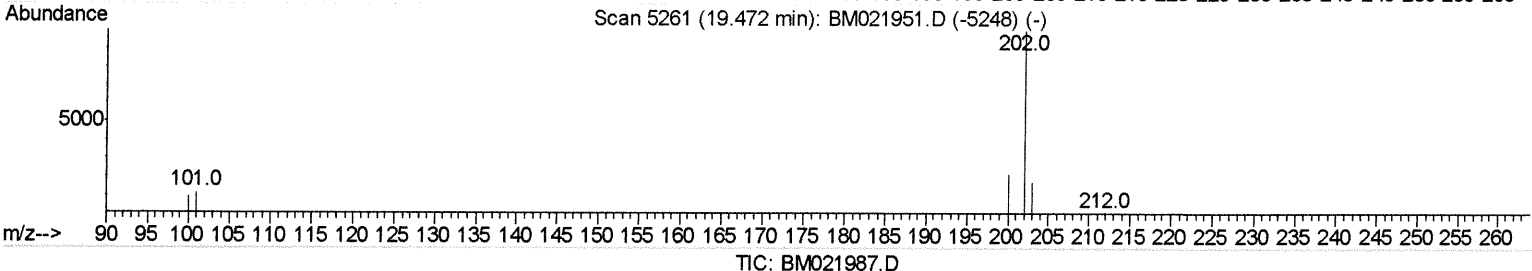
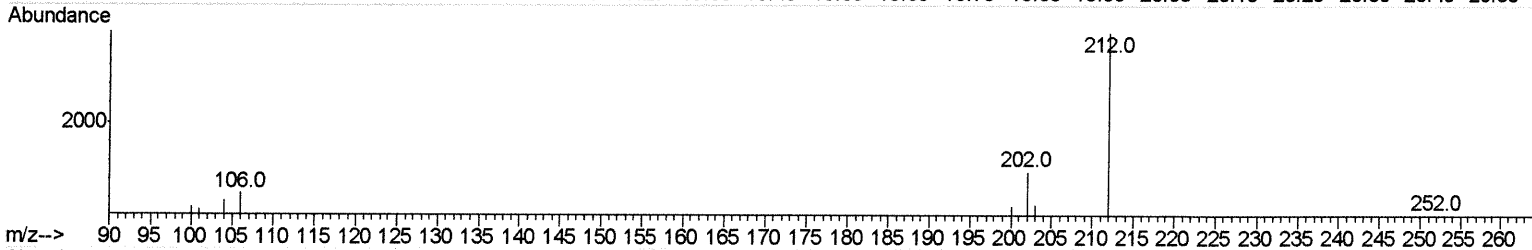
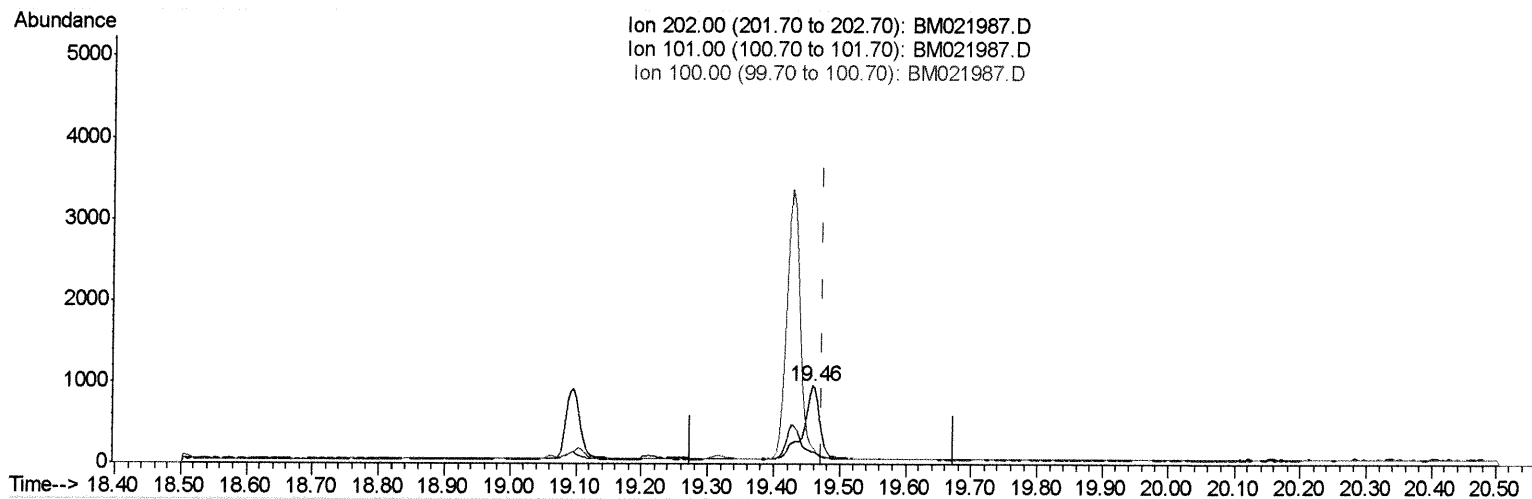
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BENS9

Manual Integrations
APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:56:20 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(17) Pyrene

19.457min (-0.017) 0.09ng/ul

response 1612

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	16.41#
100.00	9.00	22.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

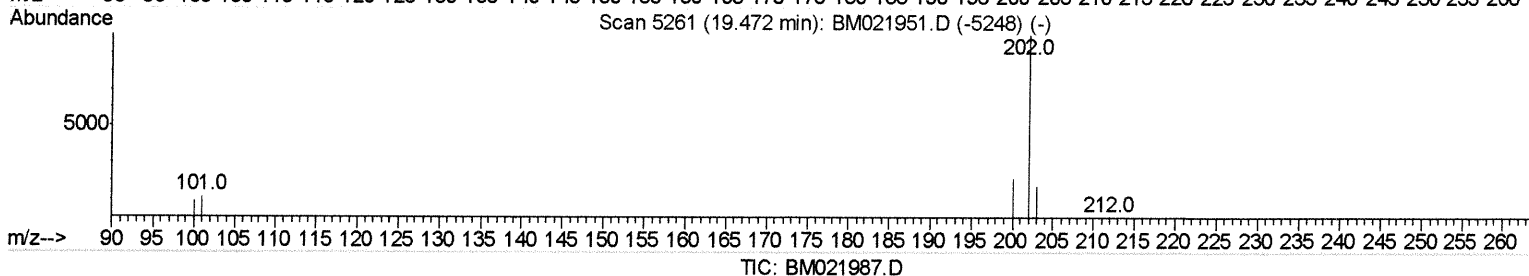
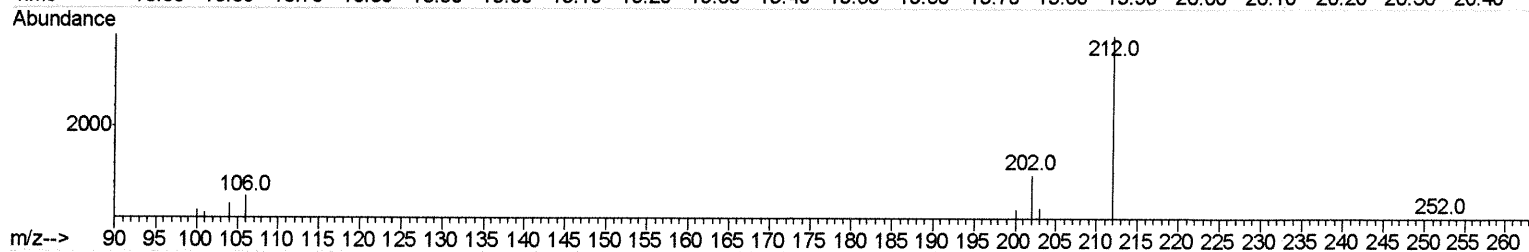
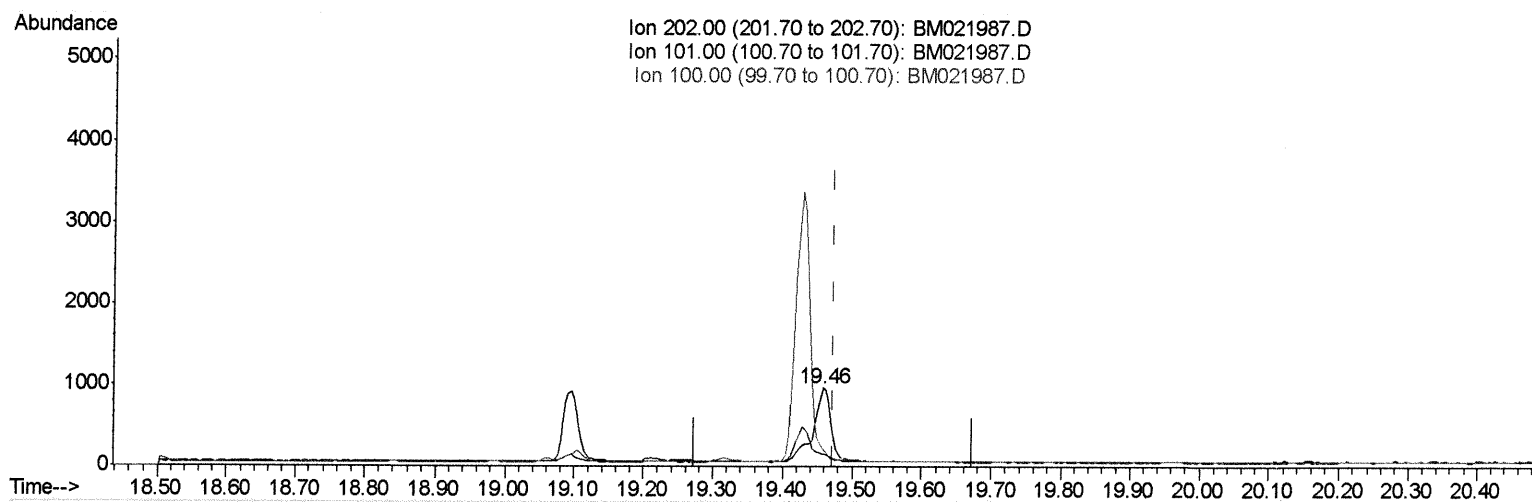
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
Data File : BM021987.D
Acq On : 10 Aug 2019 02:01
Operator : HP/JU
Sample : K4041-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS9

Manual Integrations
APPROVED

Sohil
8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:56:20 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration



(17) Pyrene

19.457min (-0.017) 0.07ng/ul m *JU* 08/12/19

response 1209

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	16.41#
100.00	9.00	22.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

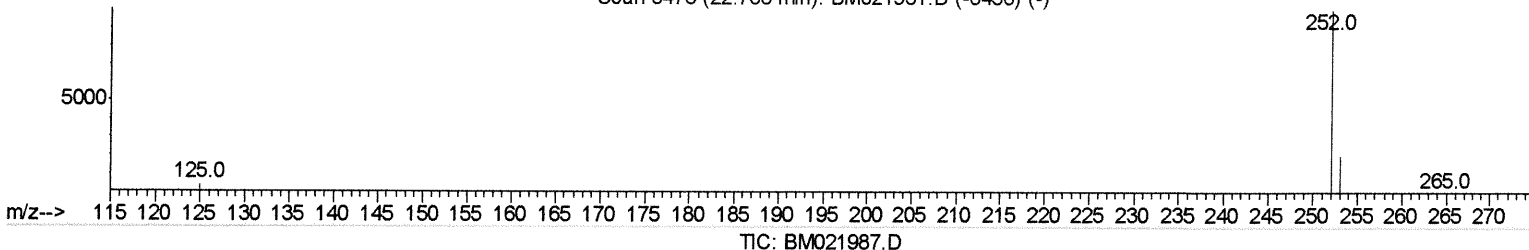
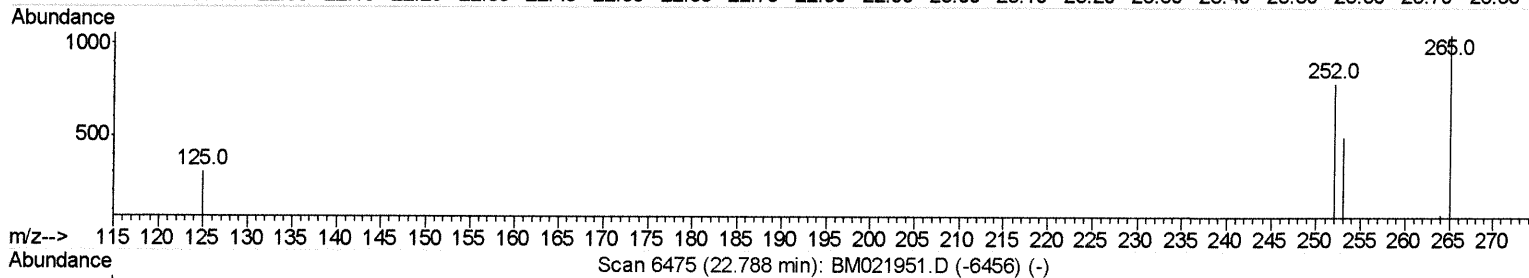
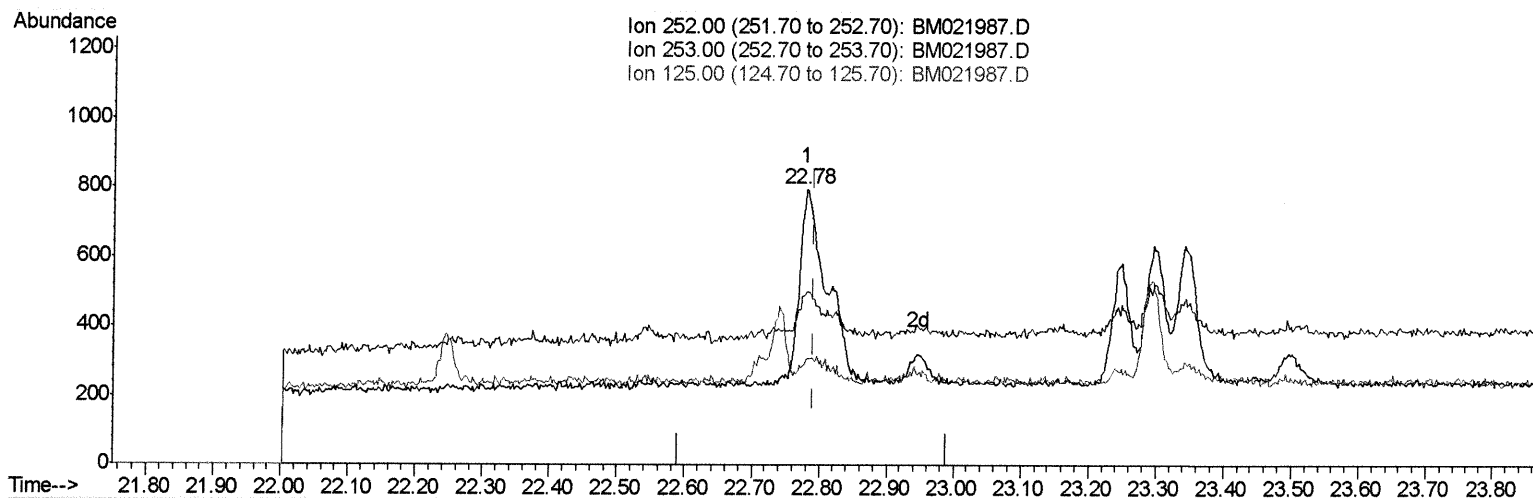
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS9

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:56:20 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene
 22.779min (-0.012) 0.07ng/ul
 response 1569

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	62.67
125.00	15.50	38.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

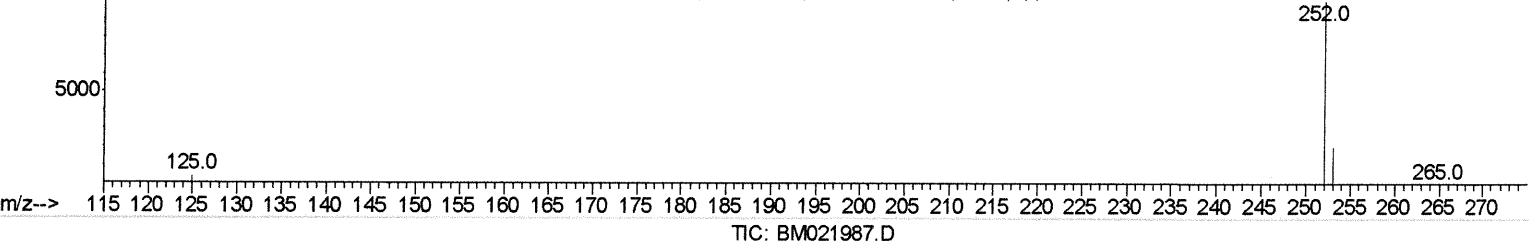
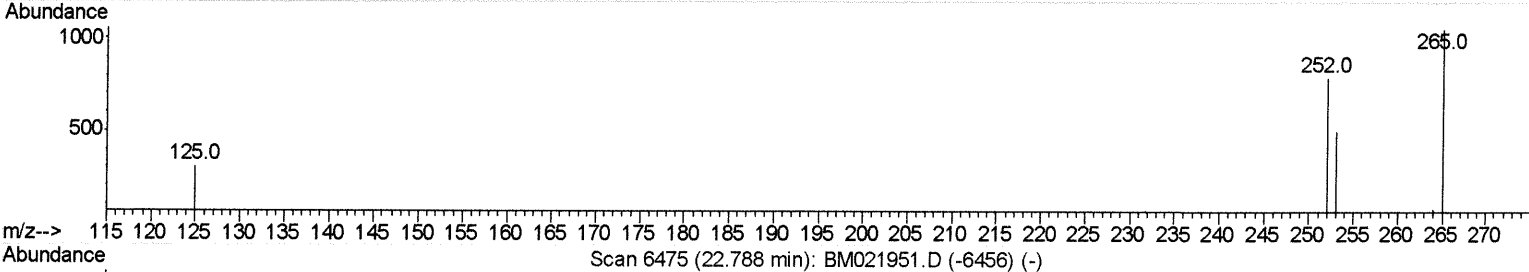
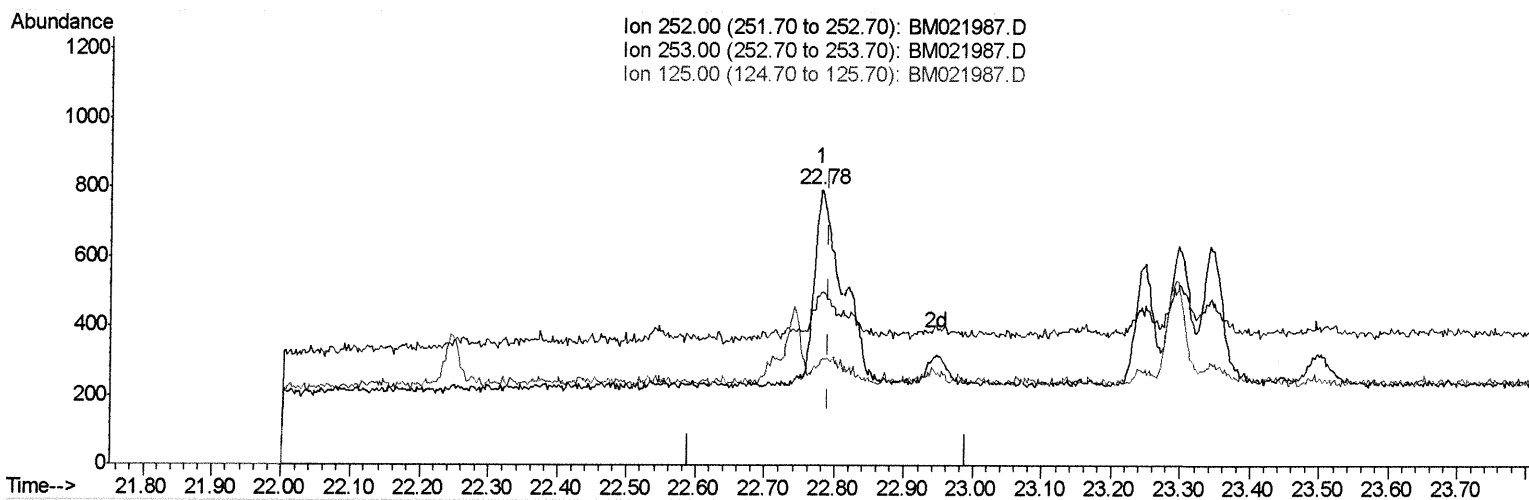
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS9

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:56:20 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.779min (-0.012) 0.05ng/ul m *JU* *08/12/19*

response 1114

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	62.67
125.00	15.50	38.21#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021987.D
 Acq On : 10 Aug 2019 02:01
 Operator : HP/JU
 Sample : K4041-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS9

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:07 AM

Quant Time: Aug 10 07:58:37 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	833	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	3689	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2056	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	4579m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	4248m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6542	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.02	152	925	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	2352m	0.15	ng/ul	-0.01

Target Compounds

					Ovalue	
12) Phenanthrene	17.07	178	434m	0.033	ng/ul	79
15) Fluoranthene	19.09	202	1315m	0.074	ng/ul	80
17) Pyrene	19.46	202	1209m	0.069	ng/ul	40
18) Benzo(a)anthracene	21.22	228	714	0.047	ng/ul	79
19) Chrysene	21.27	228	702	0.036	ng/ul	80
21) Benzo(b)fluoranthene	22.78	252	1114m	0.050	ng/ul	79
23) Benzo(a)pyrene	23.34	252	693	0.031	ng/ul	40

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