

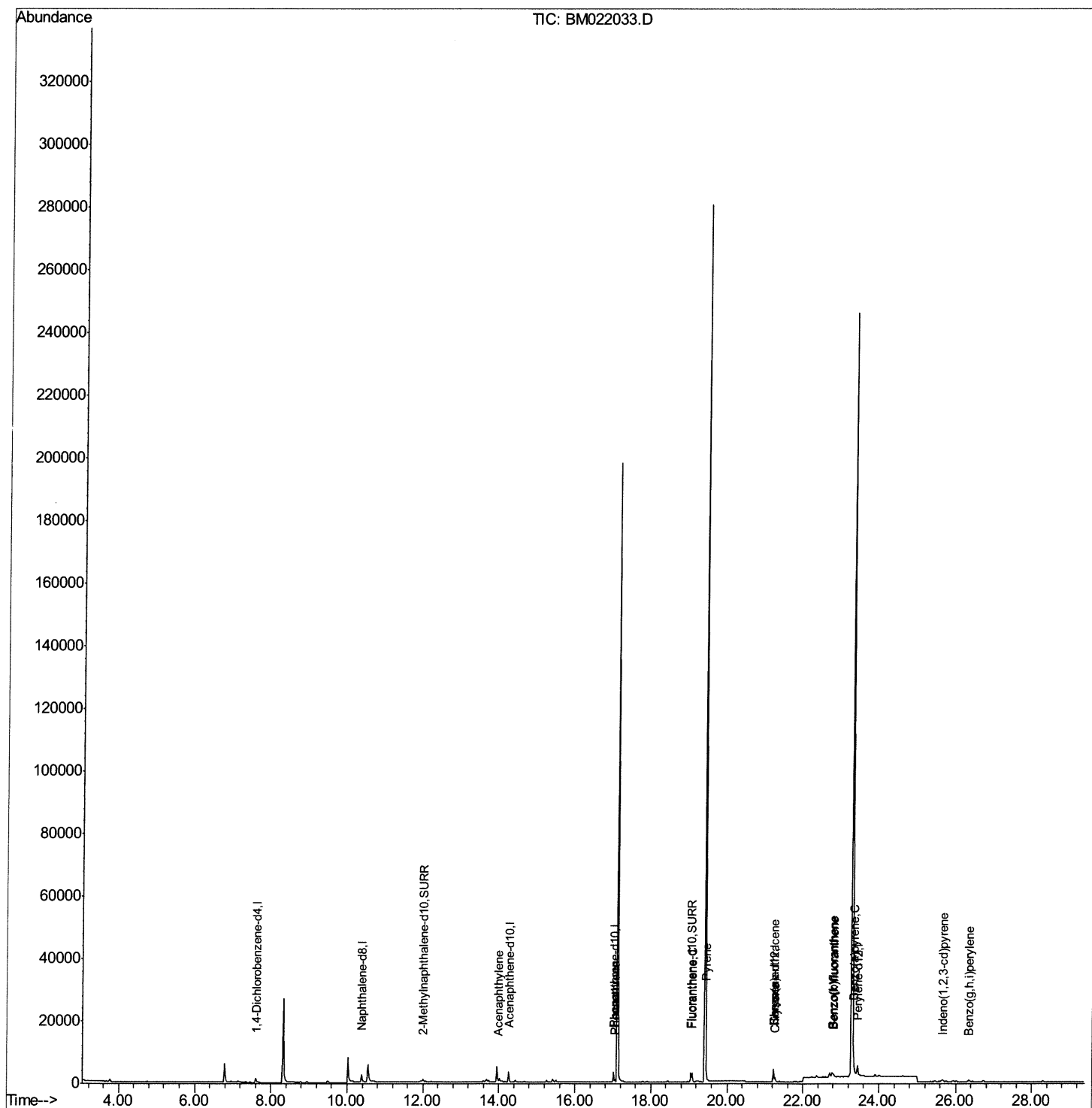
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022033.D
Acq On : 12 Aug 2019 15:53
Operator : HP/JU
Sample : K3962-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP09

Manual Integrations
APPROVED

Sohil
8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:46:08 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 12 14:07:26 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

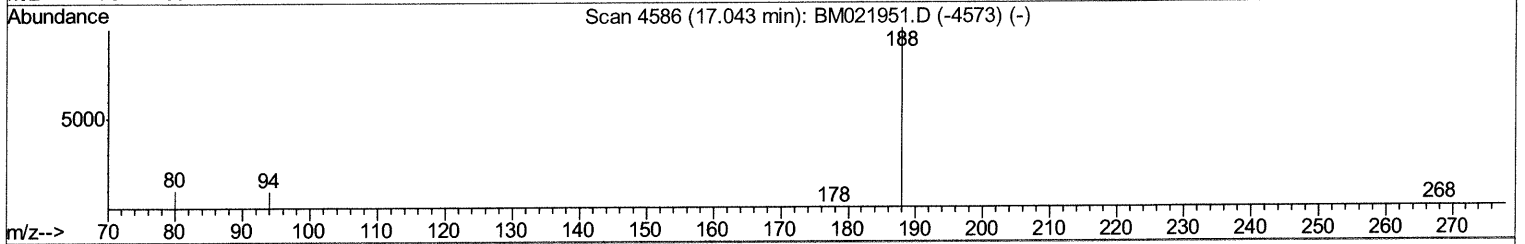
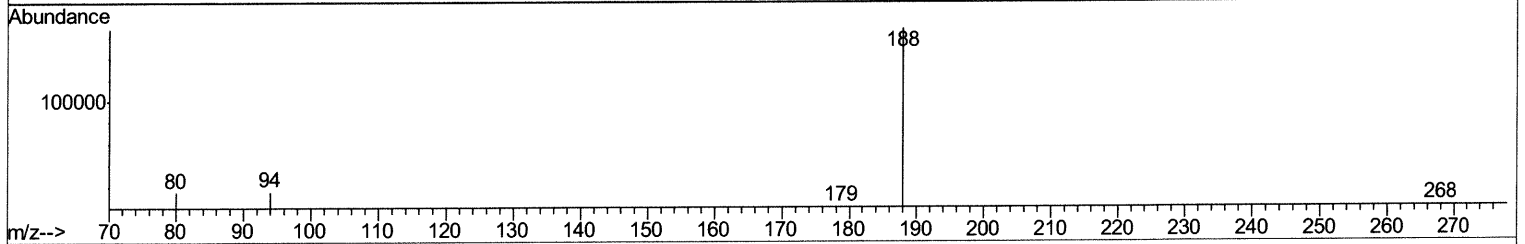
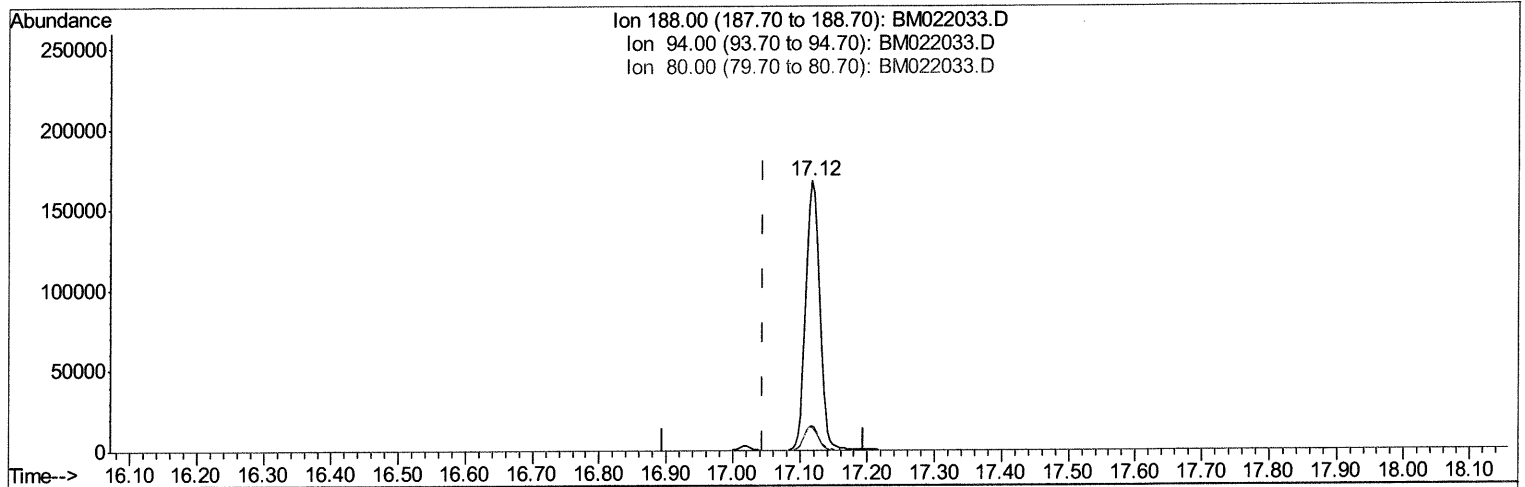
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:40:12 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(10) Phenanthrene-d10 (I)
 17.117min (+0.073) 0.40ng/ul
 response 235170

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.21
80.00	11.40	8.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

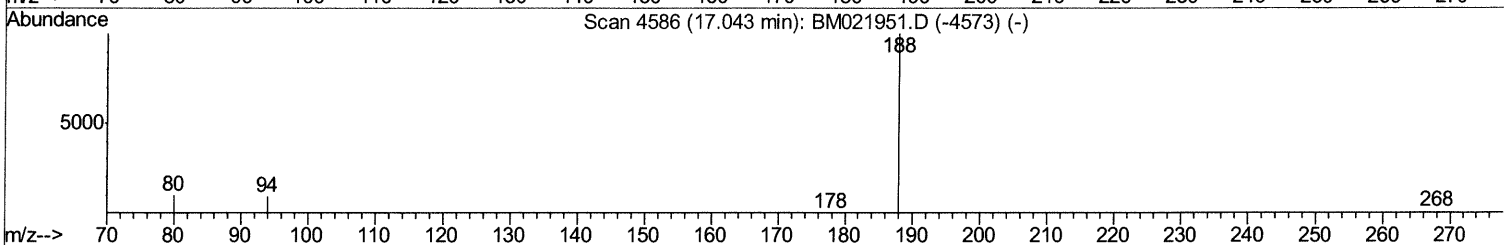
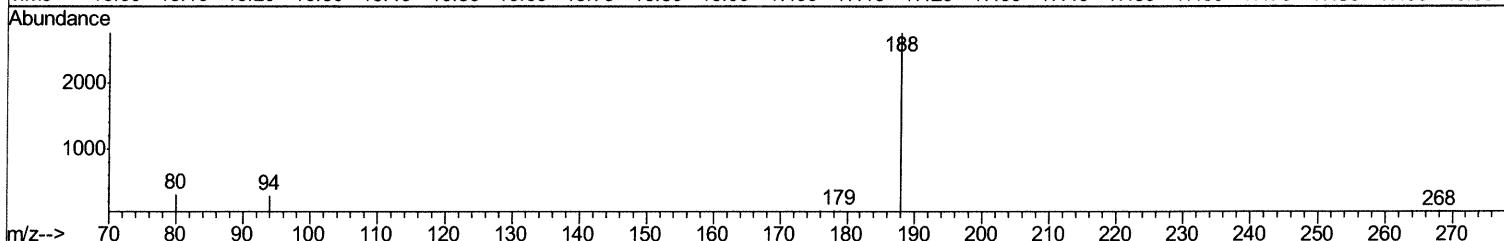
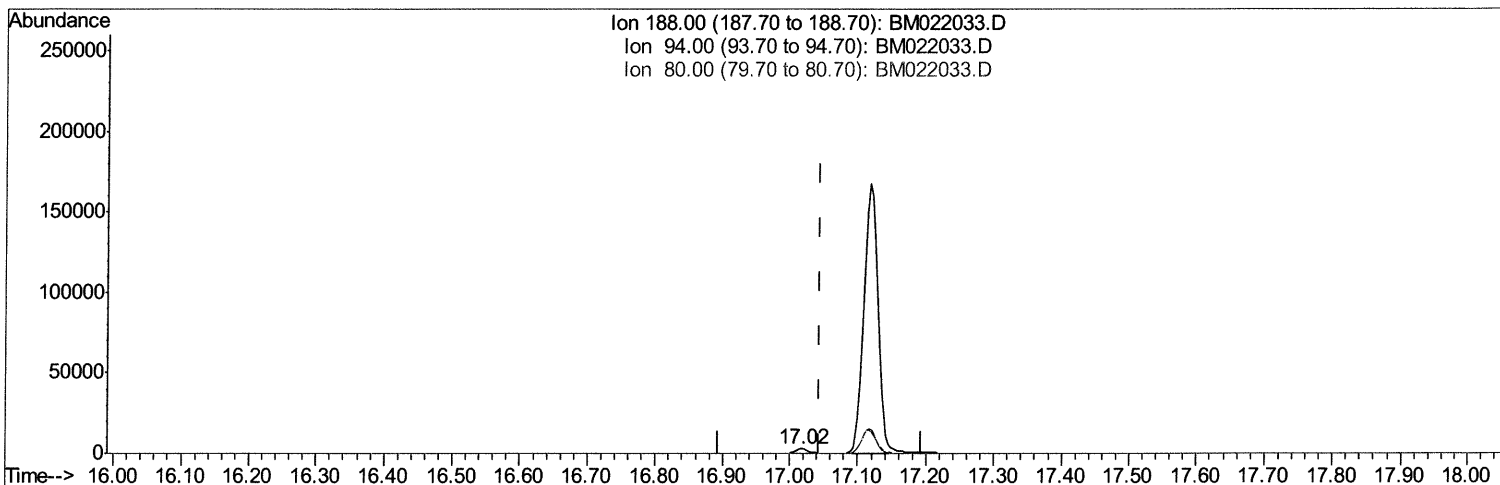
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:40:12 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(10) Phenanthrene-d10 (I)

17.017min (-0.028) 0.40ng/ul m

Ju 08/13/19

response 3983

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.70
80.00	11.40	11.43
0.00	0.00	0.00

Quantitation Report (Qedit)

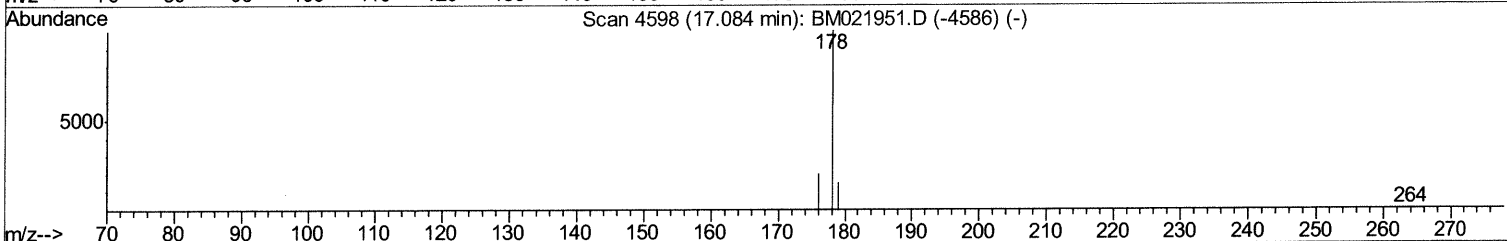
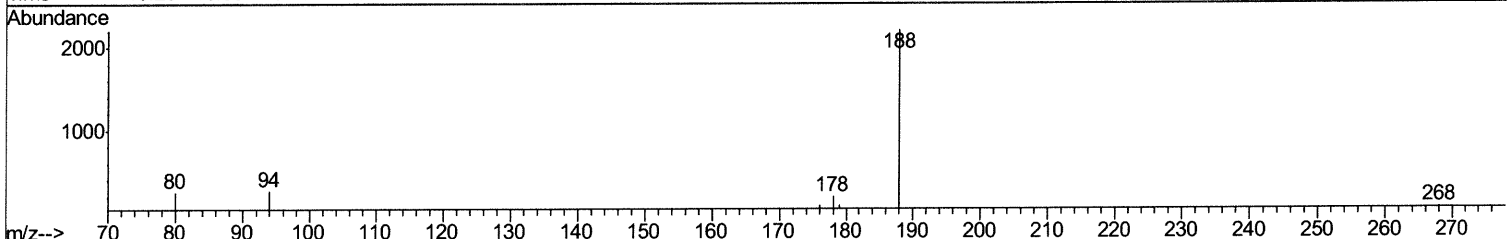
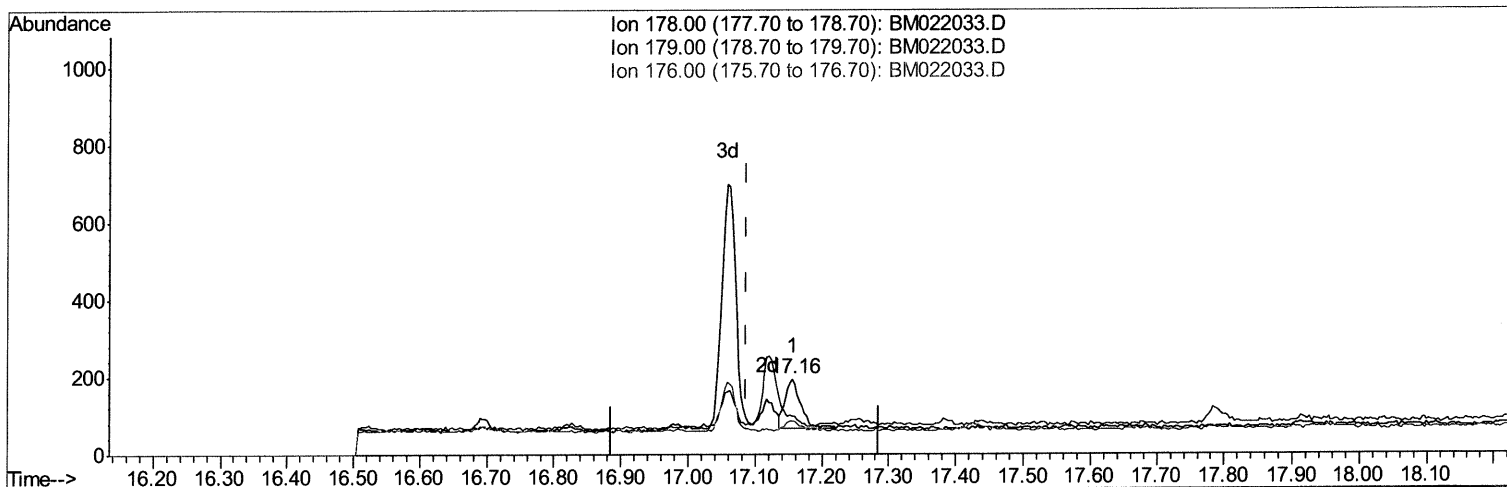
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:41:32 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 12 14:07:26 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.155min (+0.070) 0.02ng/ul

response 210

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	51.55#
176.00	21.00	44.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

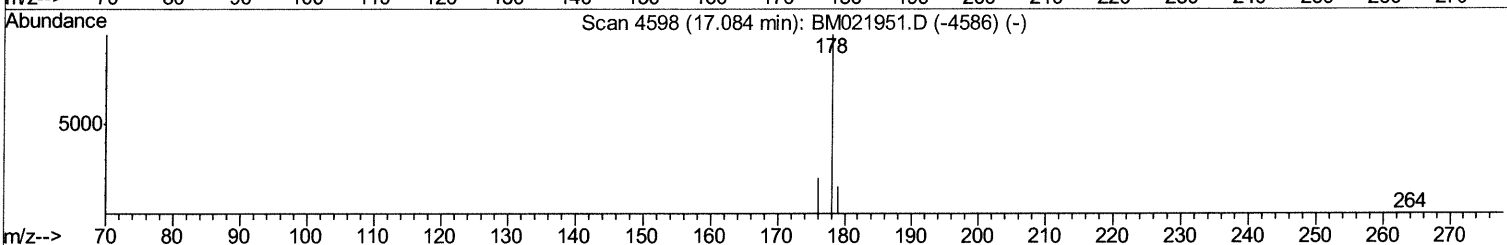
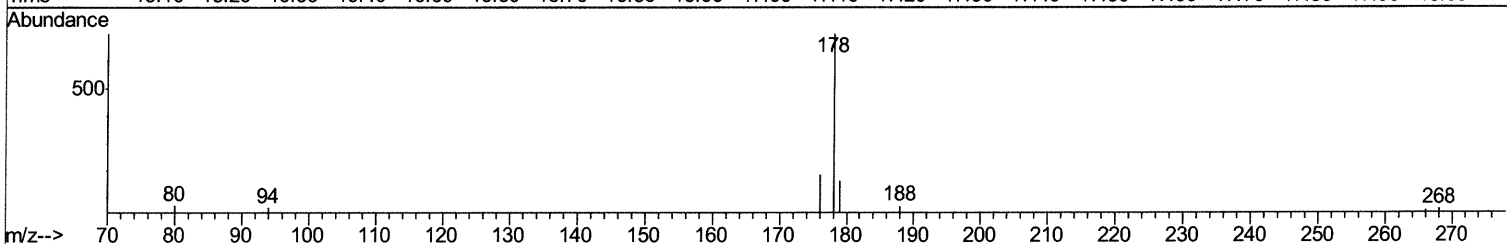
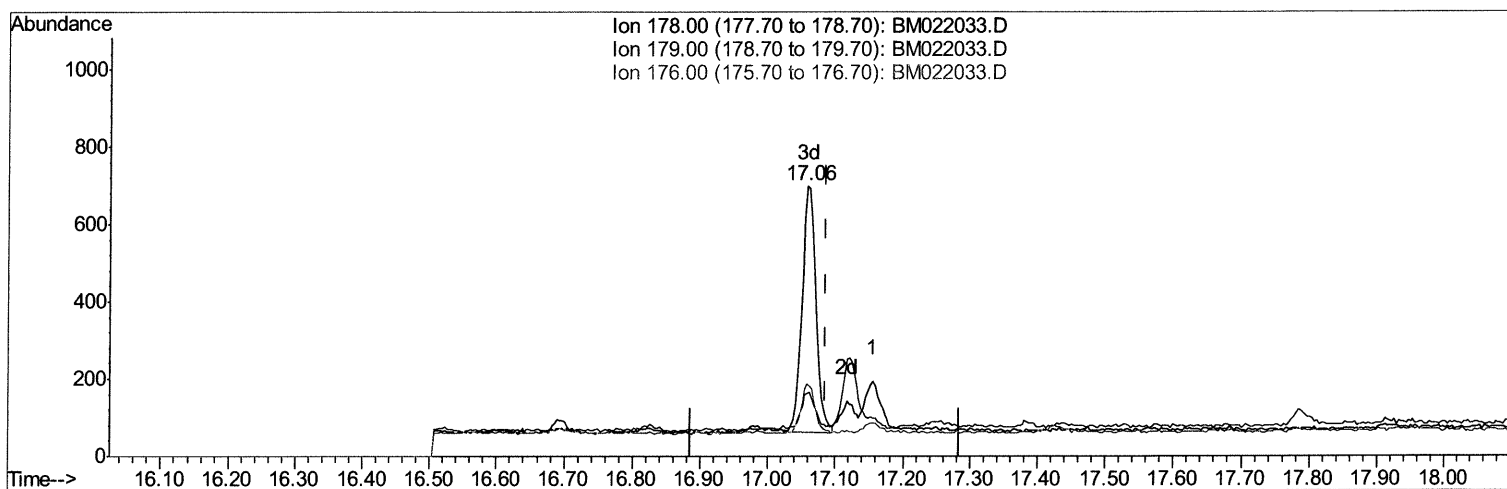
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:41:32 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(12) Phenanthrene

17.058min (-0.028) 0.08ng/ul m *JU* 08/13/19

response 925

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	23.32#
176.00	21.00	26.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

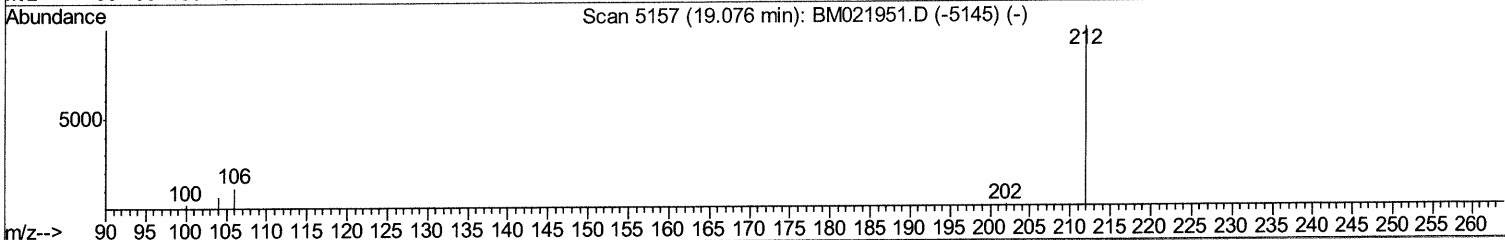
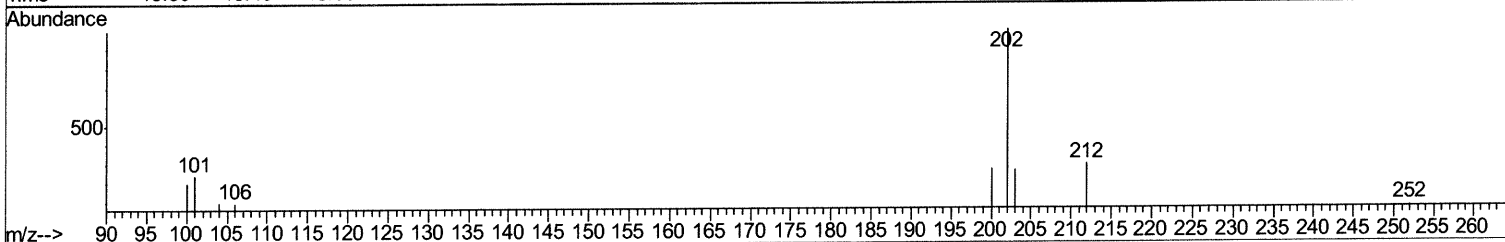
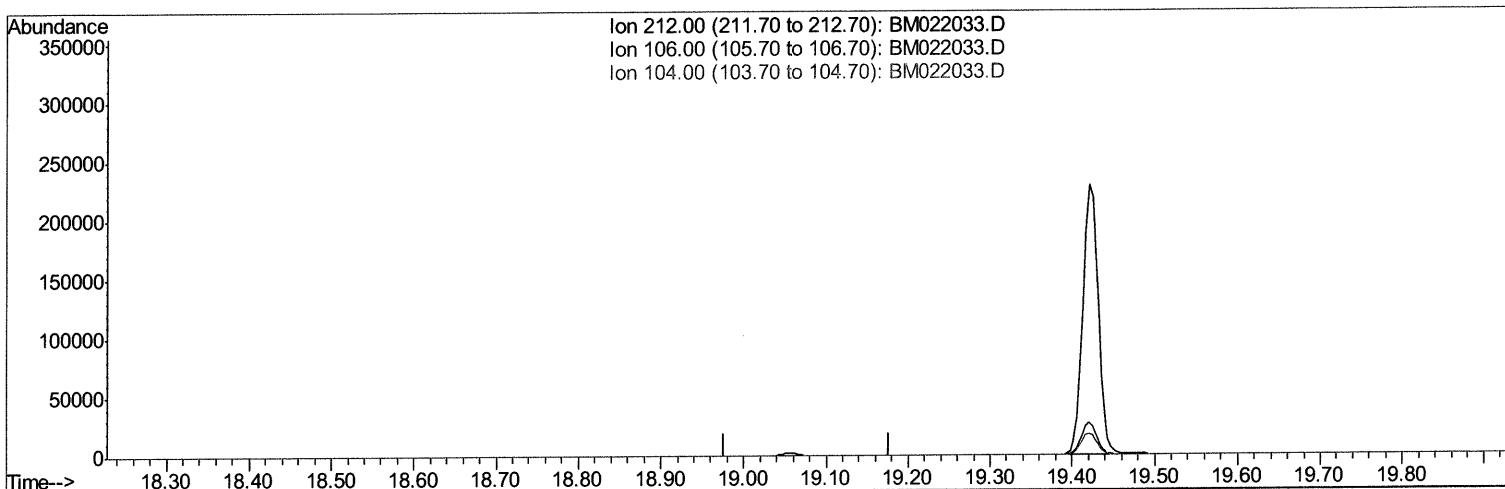
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:41:32 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 12 14:07:26 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)

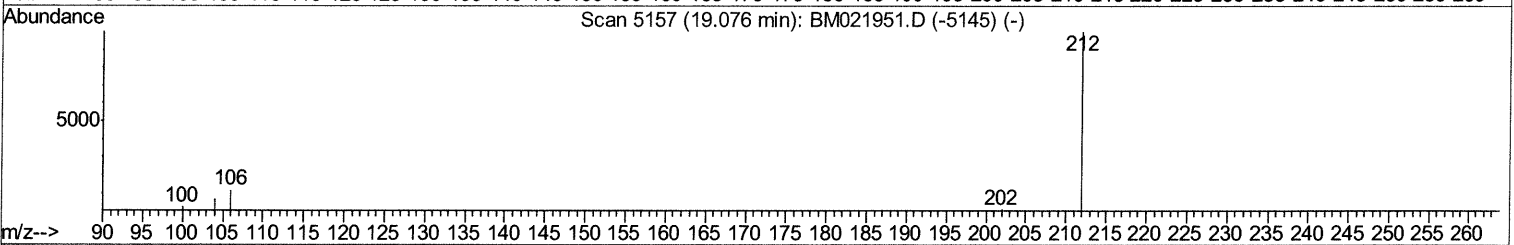
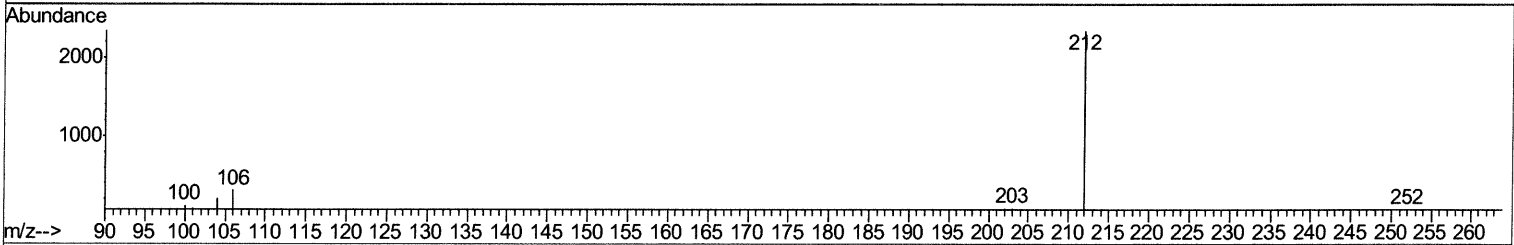
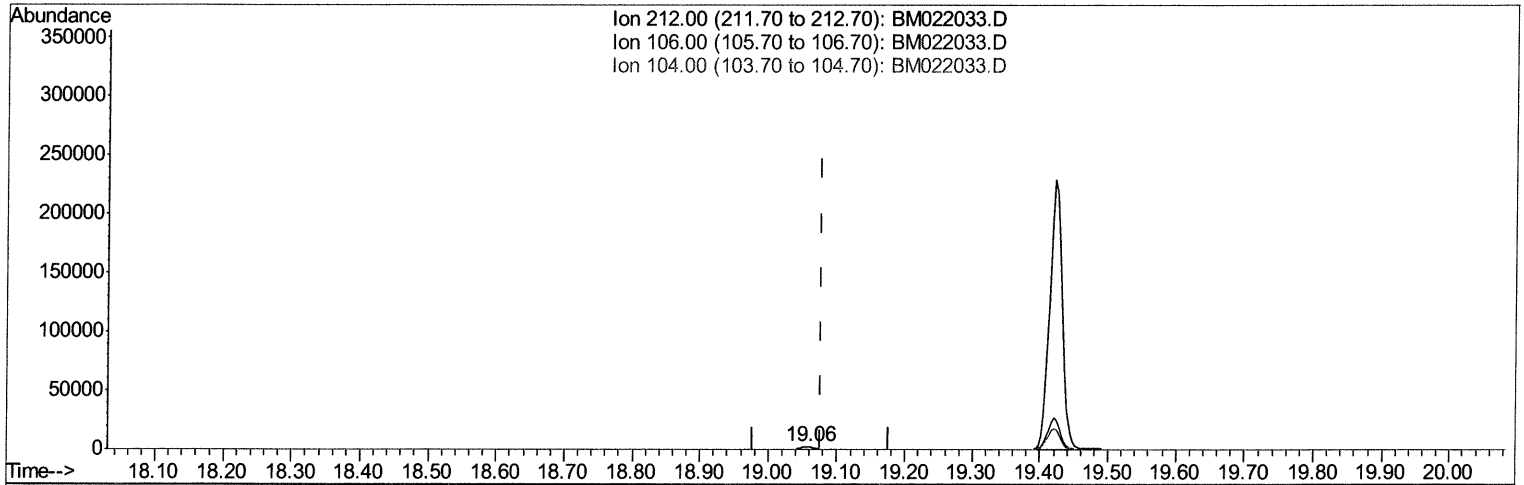
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:41:32 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(14) Fluoranthene-d10 (SURR)

19.058min (-0.019) 0.25ng/ul m

JU
 08/13/19

response 3304

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)

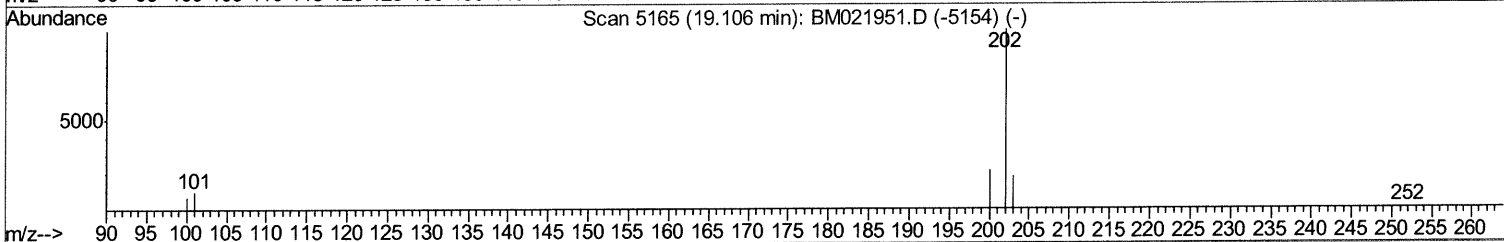
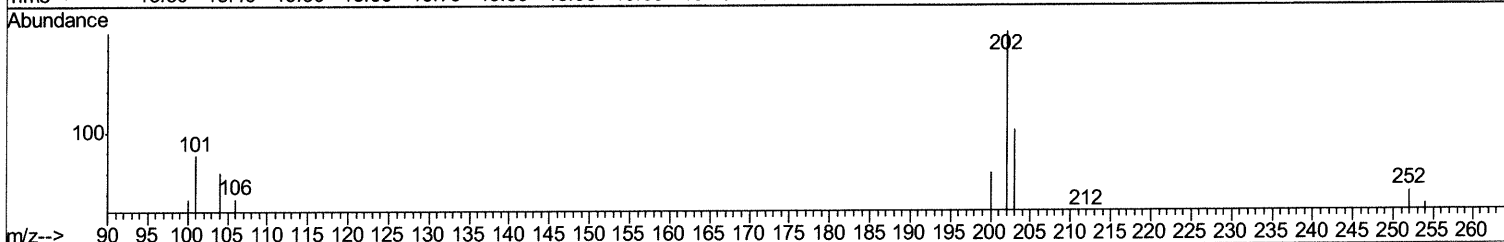
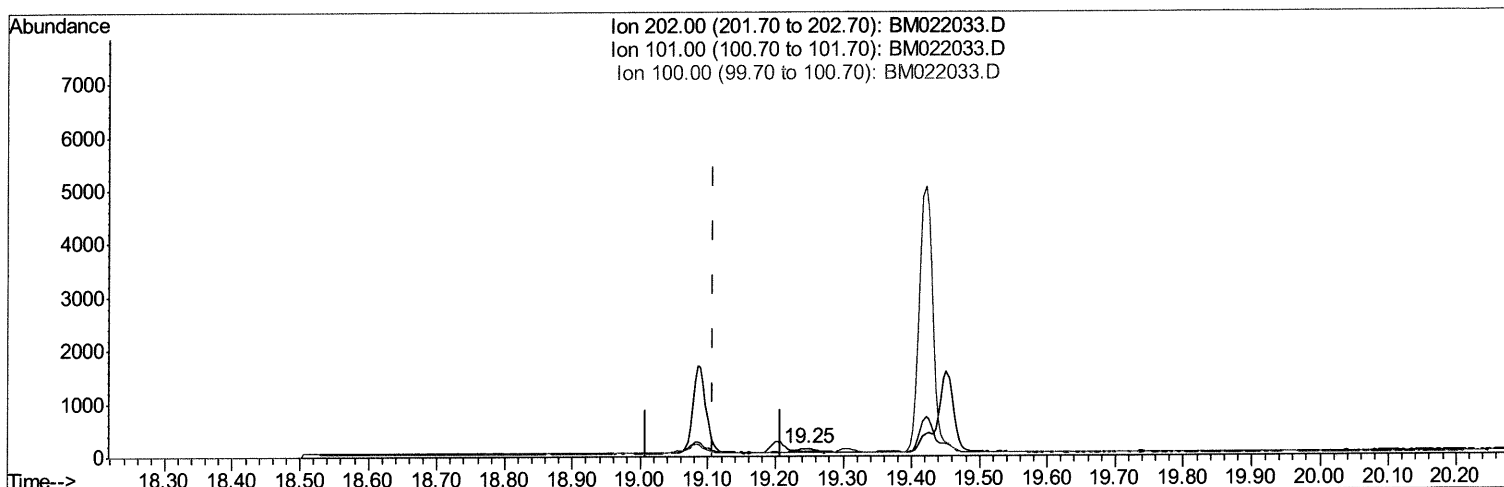
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:41:32 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(15) Fluoranthene (C)

19.245min (+0.137) 0.01ng/ul

response 129

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	60.14#
100.00	8.10	45.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

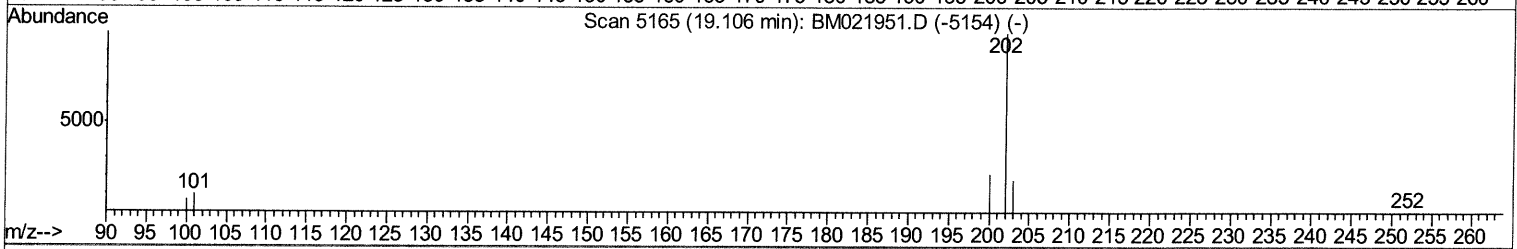
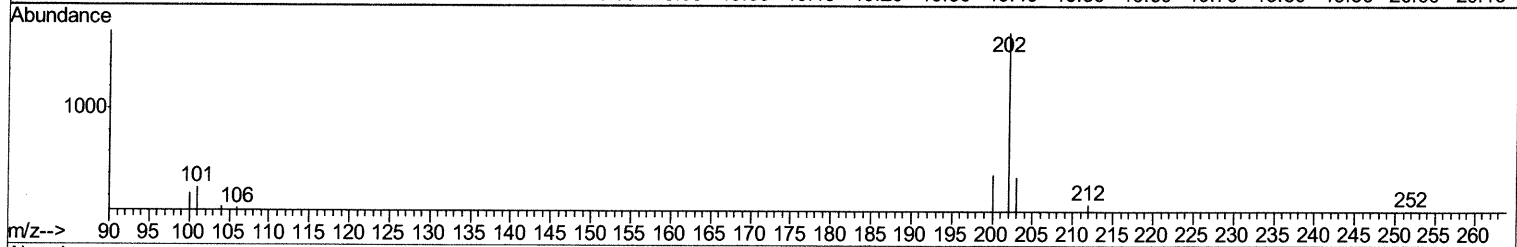
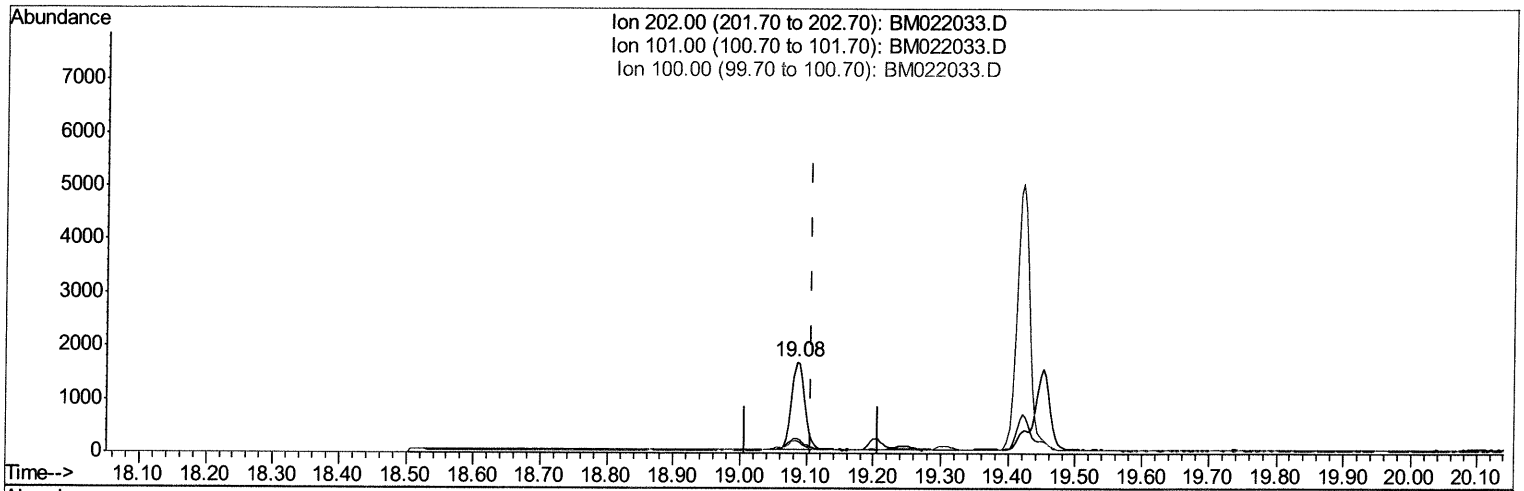
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:41:32 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(15) Fluoranthene (C)

19.085min (-0.023) 0.15ng/ul m *JU 08/13/19*

response 2305

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	15.78
100.00	8.10	13.09
0.00	0.00	0.00

Quantitation Report (Qedit)

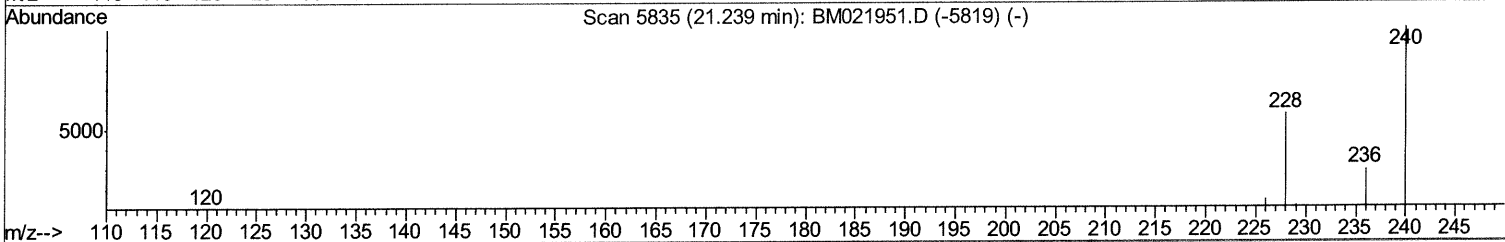
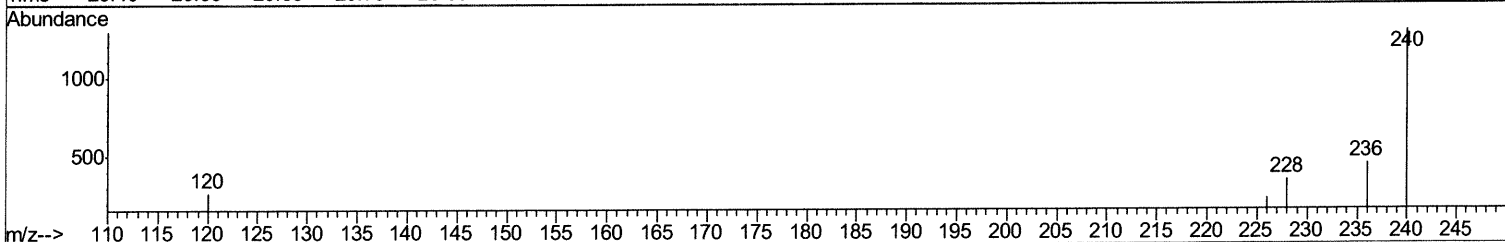
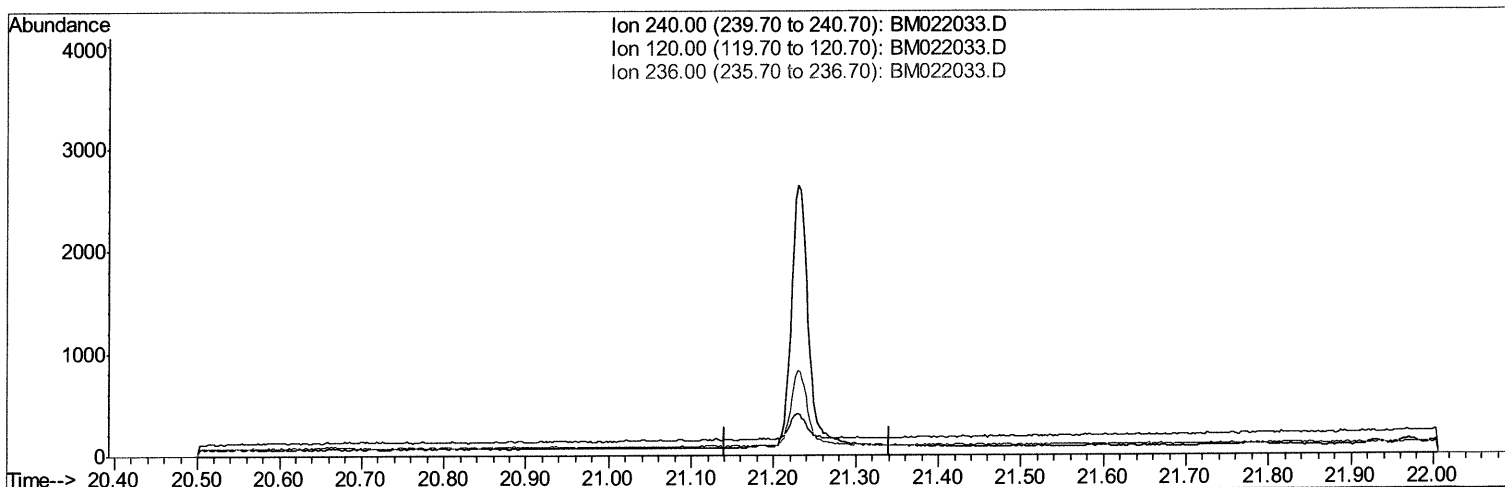
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:41:32 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 12 14:07:26 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)

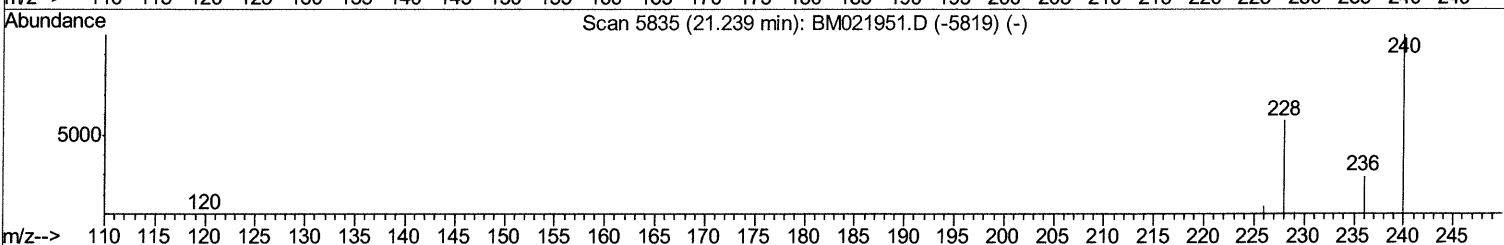
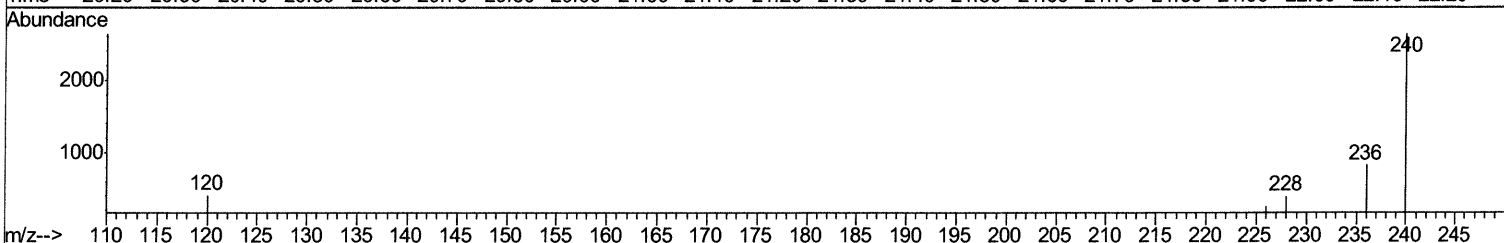
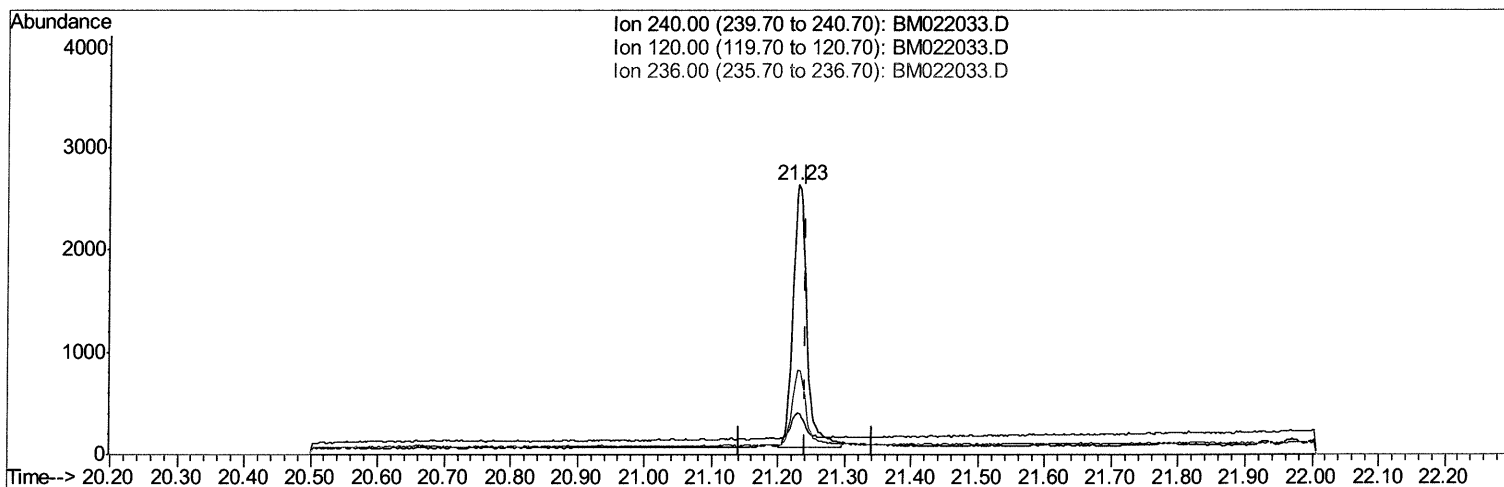
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:41:32 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(16) Chrysene-d12 (I)

21.229min (-0.012) 0.40ng/ul m

JU 08/13/19

response 3685

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.58
236.00	32.30	31.31
0.00	0.00	0.00

Quantitation Report (Qedit)

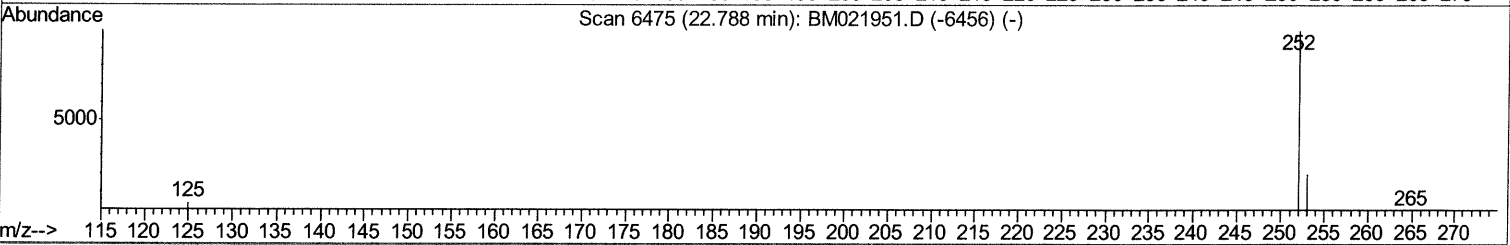
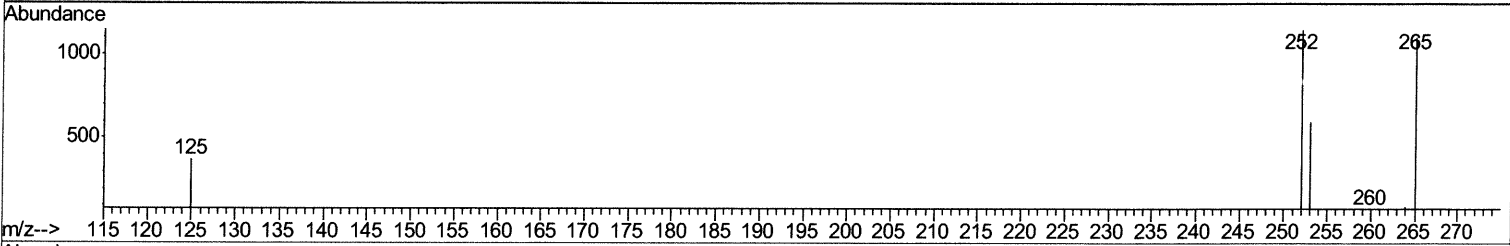
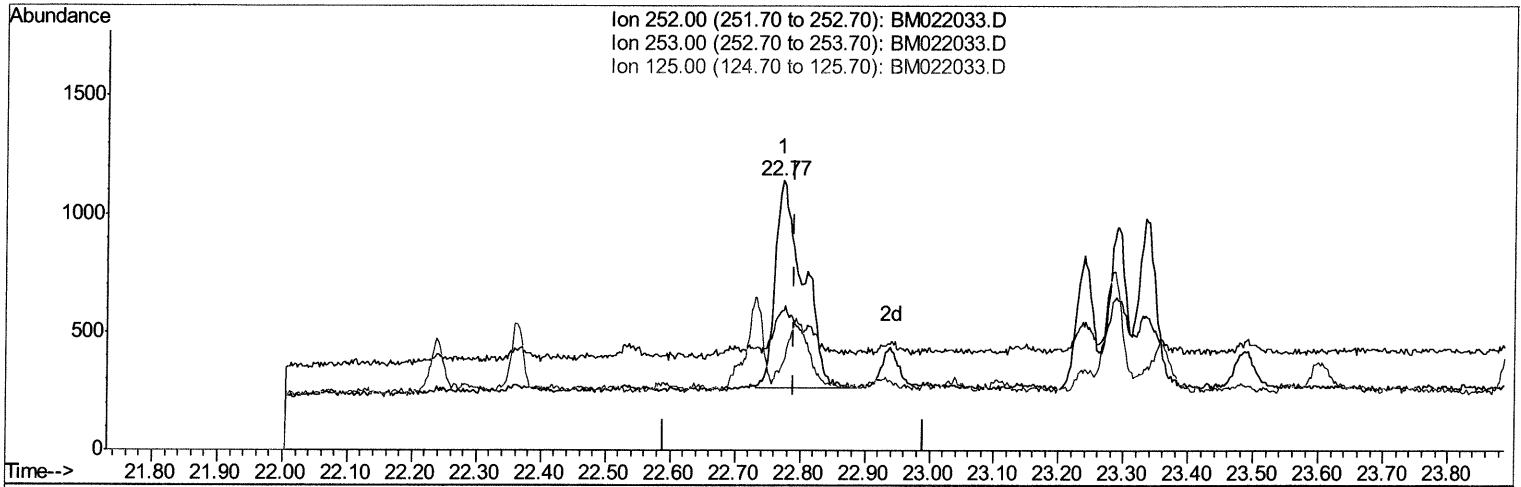
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BEP09

Manual Integrations
APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:44:05 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(21) Benzo(b)fluoranthene

22.772min (-0.019) 0.17ng/ul

response 2656

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	51.97
125.00	15.50	32.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

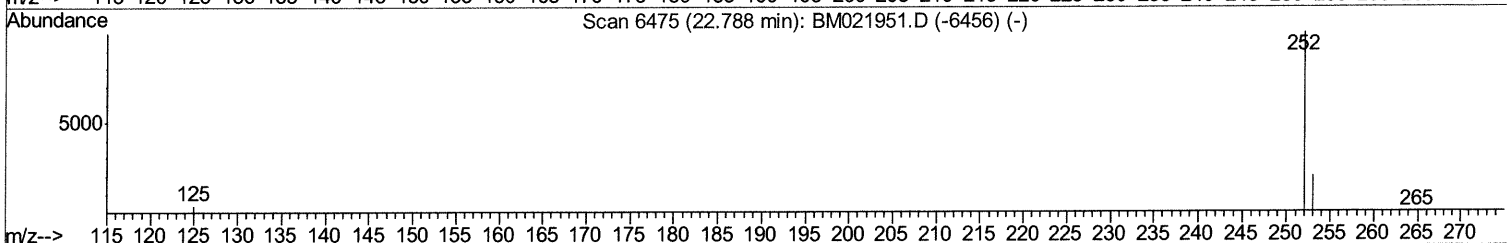
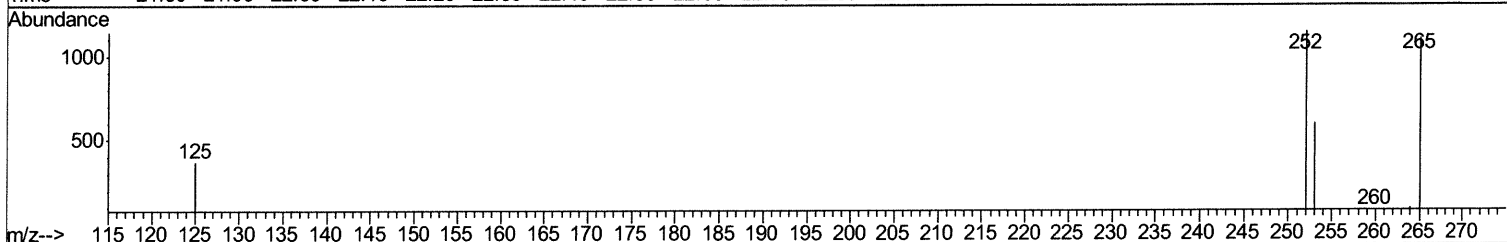
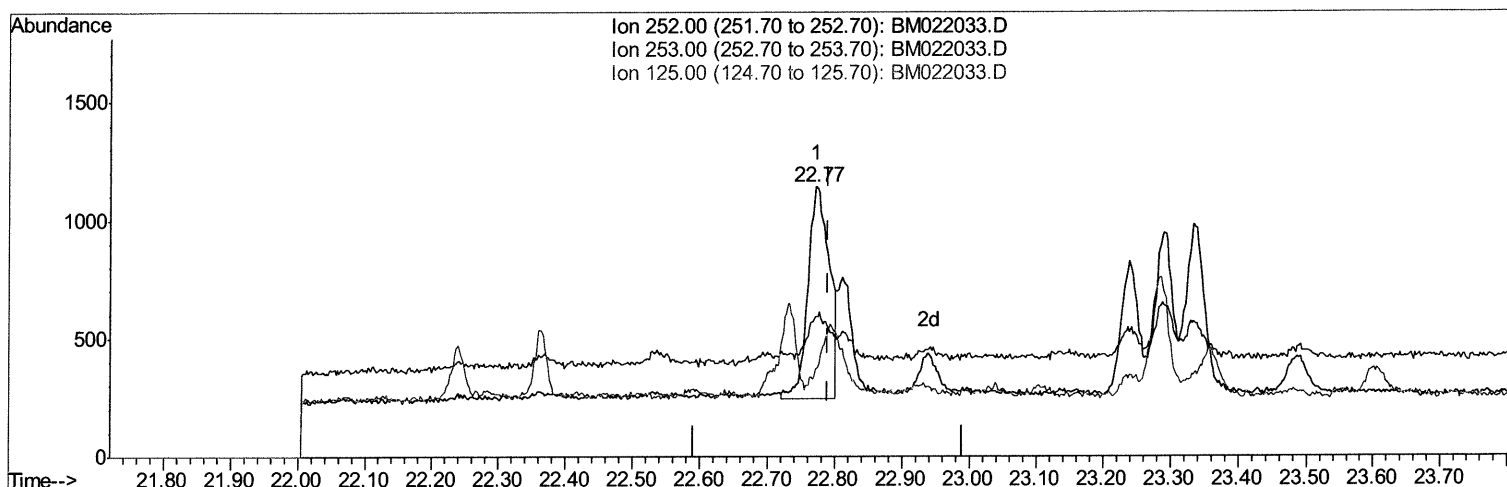
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:44:05 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(21) Benzo(b)fluoranthene

22.772min (-0.019) 0.12ng/ul m *JU 08/13/19*

response 2002

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	51.97
125.00	15.50	32.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

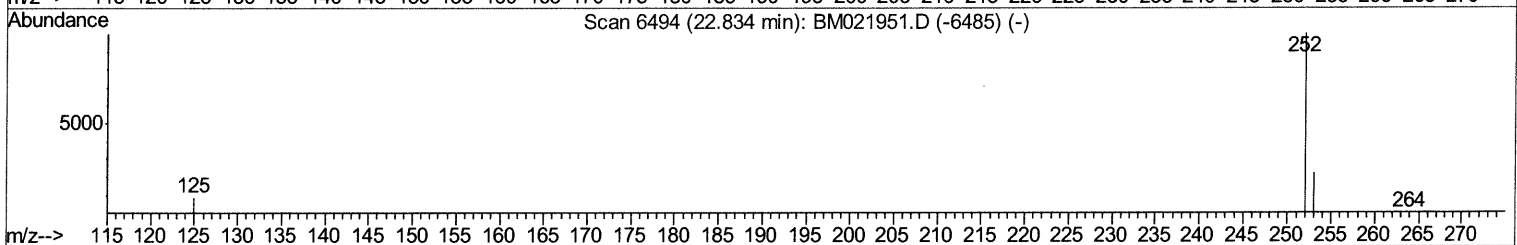
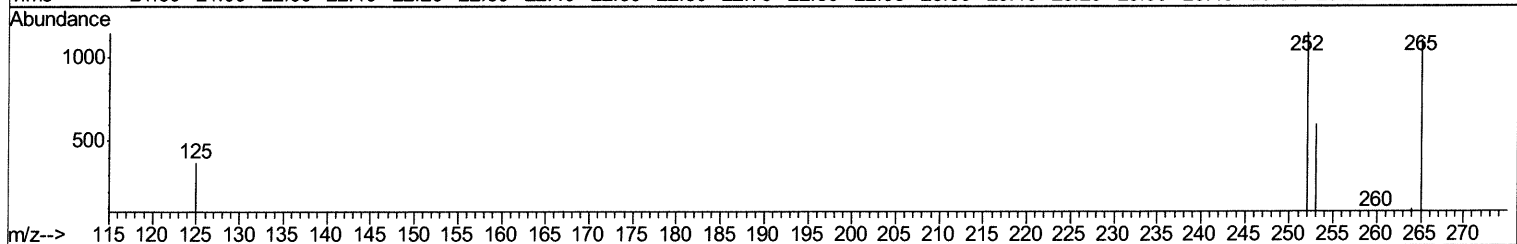
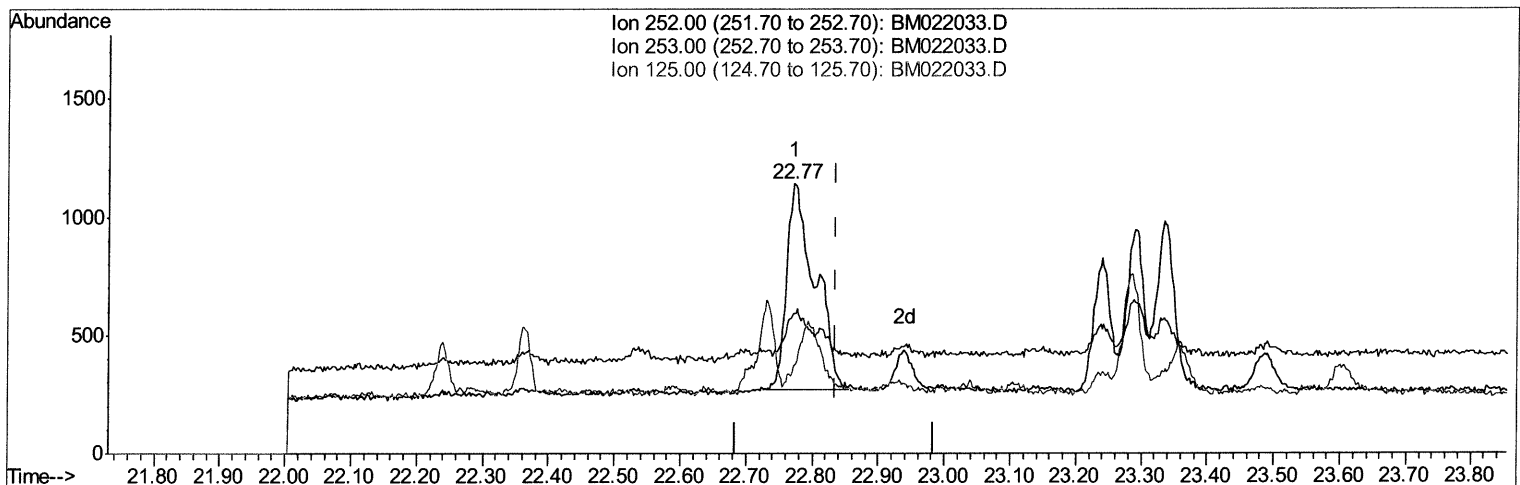
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022033.D
Acq On : 12 Aug 2019 15:53
Operator : HP/JU
Sample : K3962-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP09

Manual Integrations
APPROVED

Sohil
8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:44:05 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 12 14:07:26 2019
Response via : Initial Calibration



TIC: BM022033.D

(22) Benzo(k)fluoranthene

22.772min (-0.063) 0.14ng/ul

response 2579

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	51.97#
125.00	15.20	32.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

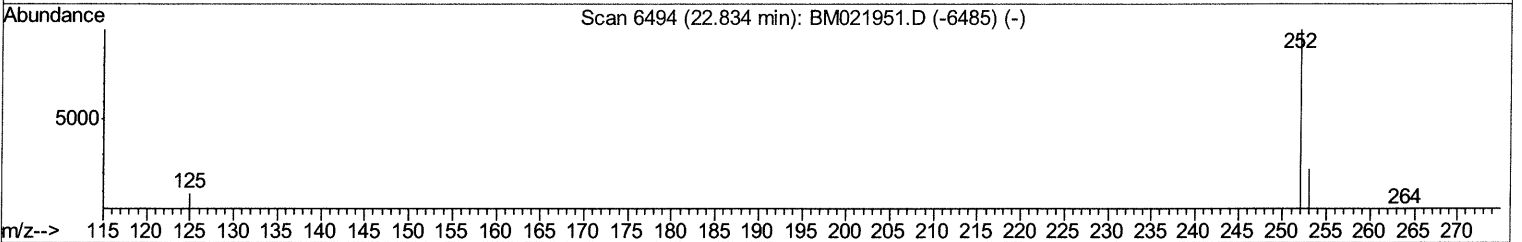
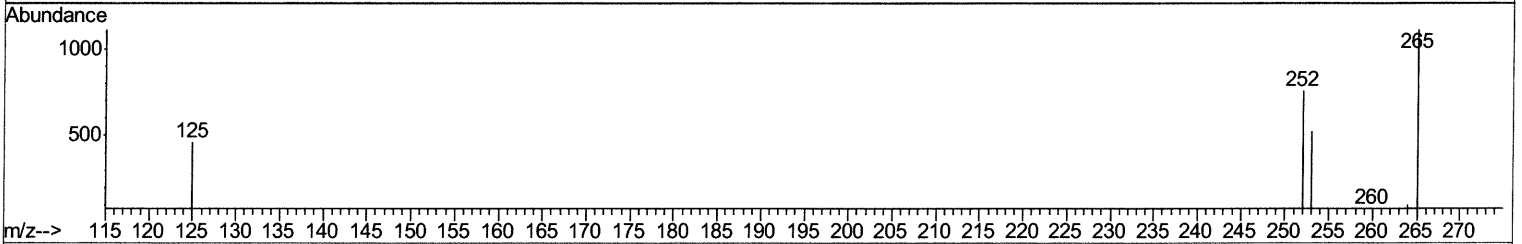
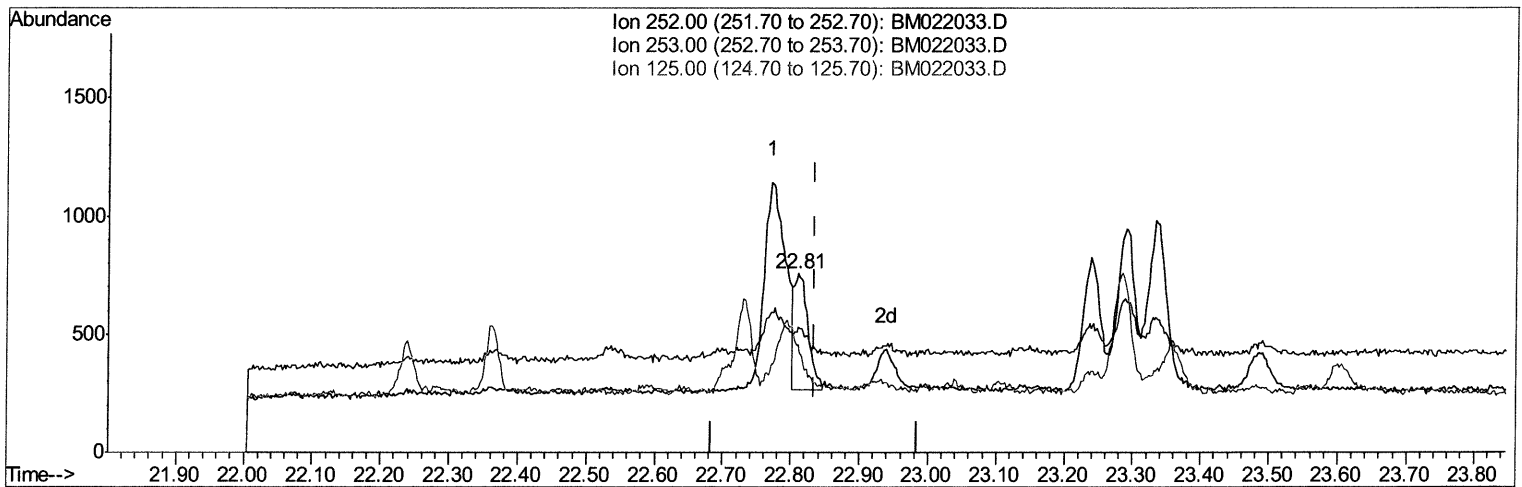
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:44:05 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 12 14:07:26 2019
 Response via : Initial Calibration



TIC: BM022033.D

(22) Benzo(k)fluoranthene

22.810min (-0.024) 0.04ng/ul m

JU
 08/13/19

response 725

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	69.66#
125.00	15.20	60.42#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022033.D
 Acq On : 12 Aug 2019 15:53
 Operator : HP/JU
 Sample : K3962-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP09

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:22 AM

Quant Time: Aug 12 16:46:08 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 12 14:07:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	785	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	3178	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1684	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	3983m →	0.40	ng/ul	-0.03
16) Chrysene-d12	21.23	240	3685m →	0.40	ng/ul	-0.01
20) Perylene-d12	23.44	264	4765	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.00	152	1166	0.22	ng/ul	-0.02
14) Fluoranthene-d10	19.06	212	3304m →	0.25	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Acenaphthylene	13.99	152	287	0.037	ng/ul#	59
12) Phenanthrene	17.06	178	925m →	0.080	ng/ul	2JU
15) Fluoranthene	19.08	202	2305m →	0.148	ng/ul	2JU 08/13/19
17) Pyrene	19.45	202	2534	0.167	ng/ul#	86
18) Benzo(a)anthracene	21.21	228	1239	0.094	ng/ul#	79
19) Chrysene	21.27	228	1215	0.072	ng/ul#	84
21) Benzo(b)fluoranthene	22.77	252	2002m →	0.125	ng/ul	2JU
22) Benzo(k)fluoranthene	22.81	252	725m →	0.040	ng/ul	2JU 08/13/19
23) Benzo(a)pyrene	23.33	252	1297	0.079	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.65	276	980	0.050	ng/ul#	81
26) Benzo(g,h,i)perylene	26.34	276	985	0.056	ng/ul#	57

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