

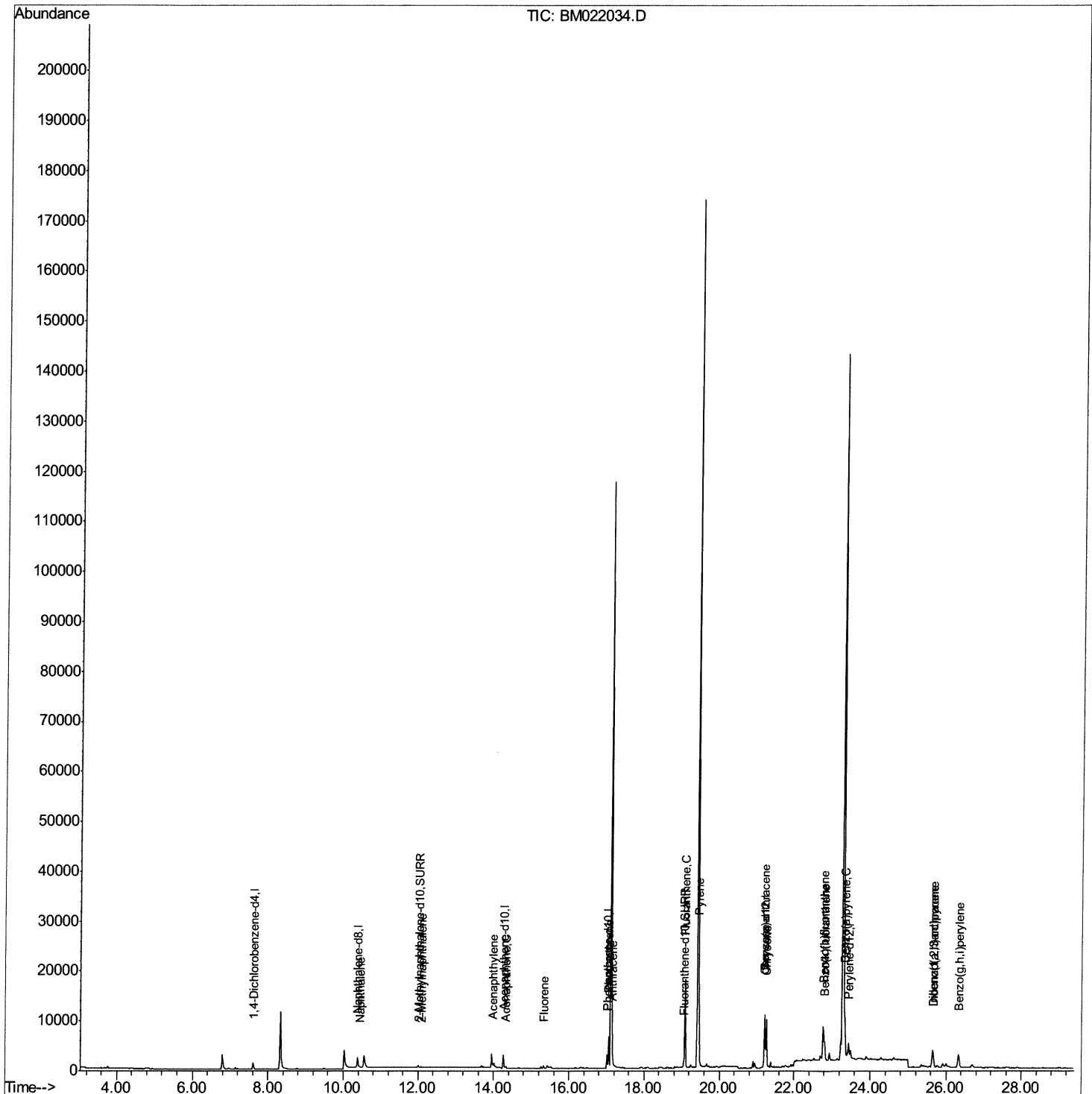
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022034.D
Acq On : 12 Aug 2019 16:30
Operator : HP/JU
Sample : K3962-14DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP07DL

Manual Integrations
APPROVED

Sohil
8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:14:50 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)

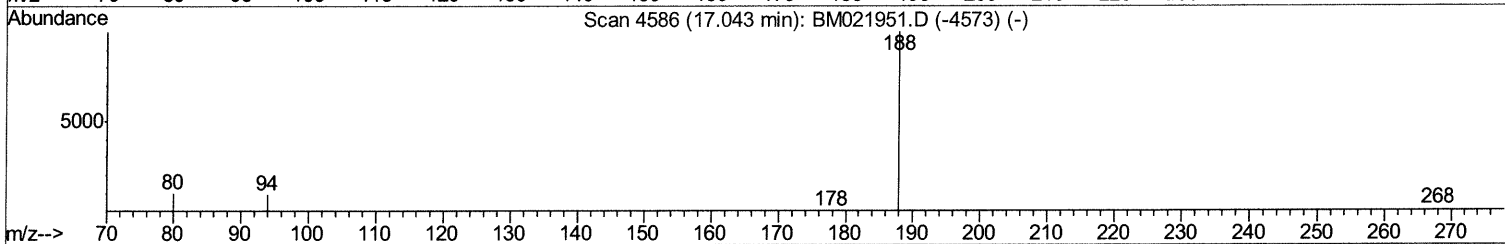
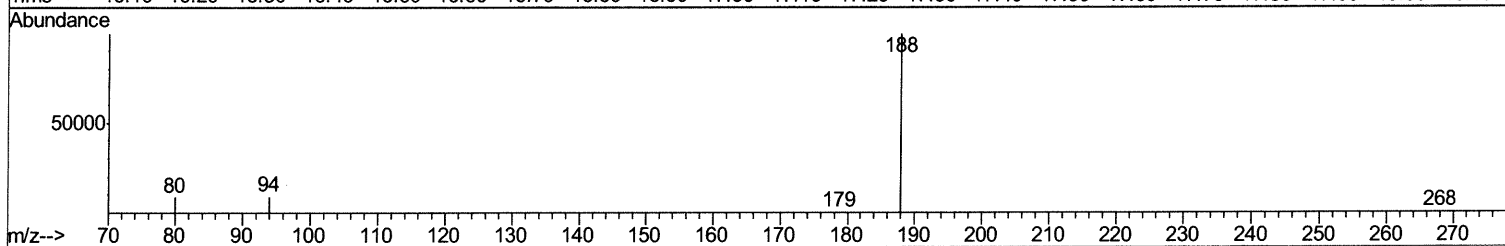
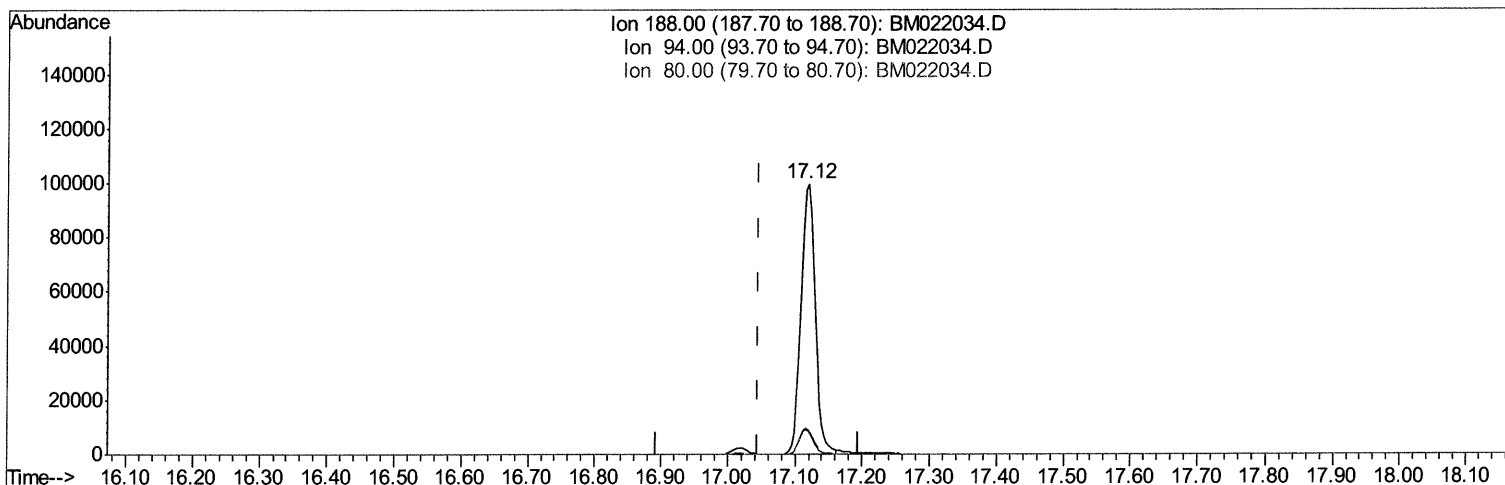
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022034.D
Acq On : 12 Aug 2019 16:30
Operator : HP/JU
Sample : K3962-14DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP07DL

Manual Integrations
APPROVED

Sohil
8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:08:45 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: BM022034.D

(10) Phenanthrene-d10 (I)

17.119min (+0.075) 0.40ng/ul

response 143089

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.16
80.00	11.40	8.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

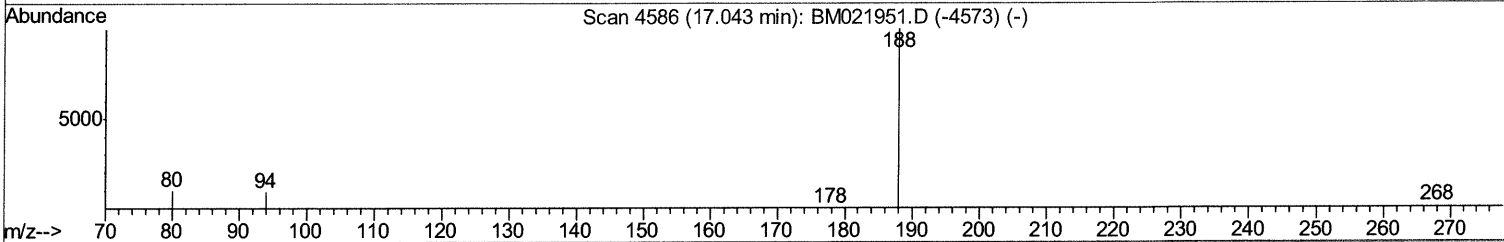
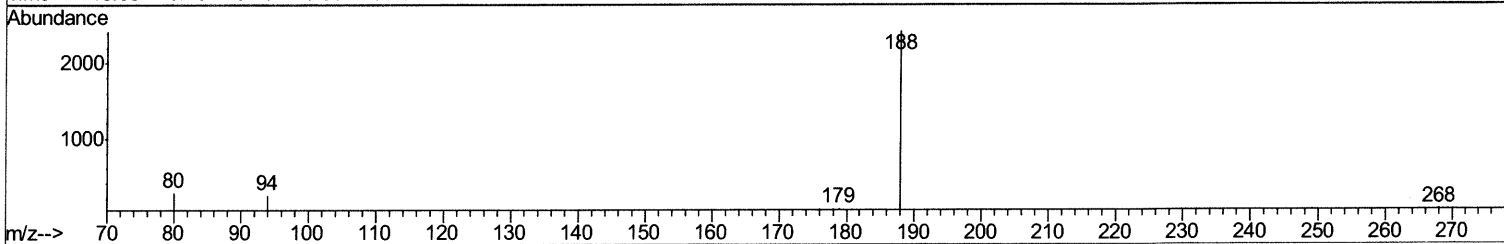
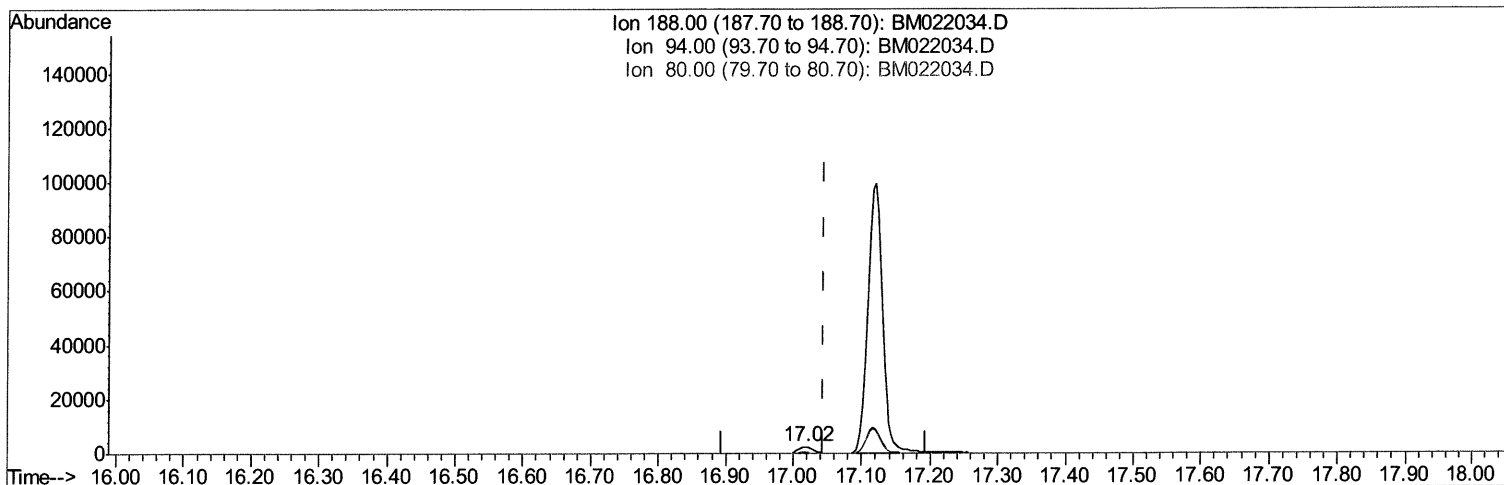
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022034.D
Acq On : 12 Aug 2019 16:30
Operator : HP/JU
Sample : K3962-14DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP07DL

Manual Integrations
APPROVED

Sohil
8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:08:45 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: BM022034.D

(10) Phenanthrene-d10 (I)

17.018min (-0.026) 0.40ng/ul m *JU 08/13/19*

response 3590

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.39
80.00	11.40	11.62
0.00	0.00	0.00

Quantitation Report (Qedit)

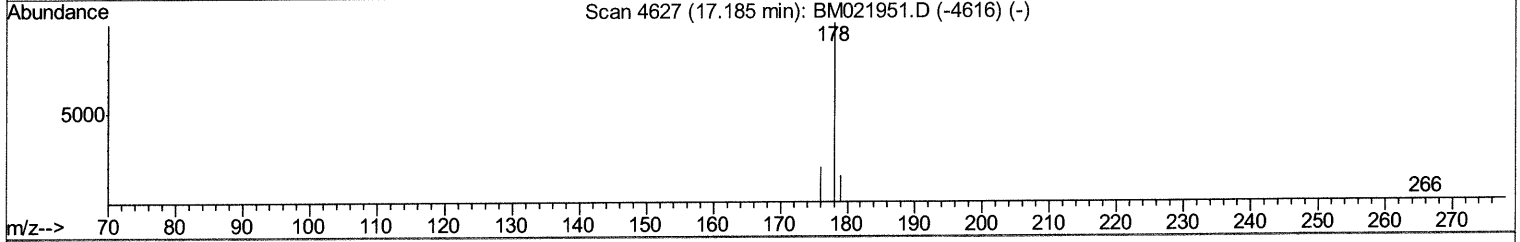
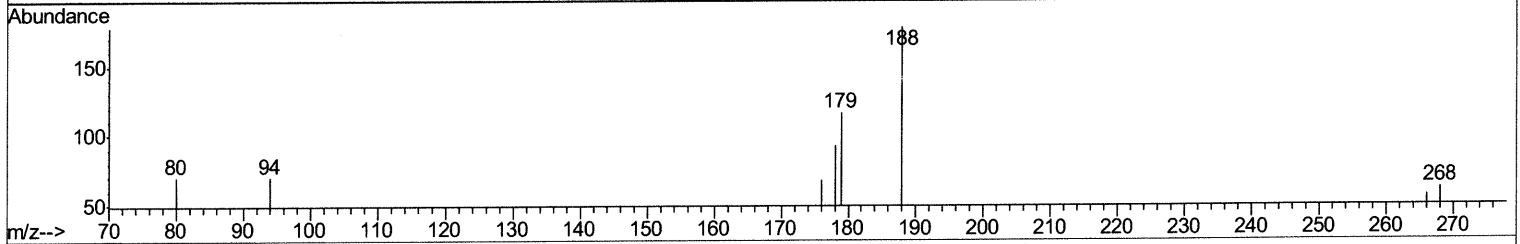
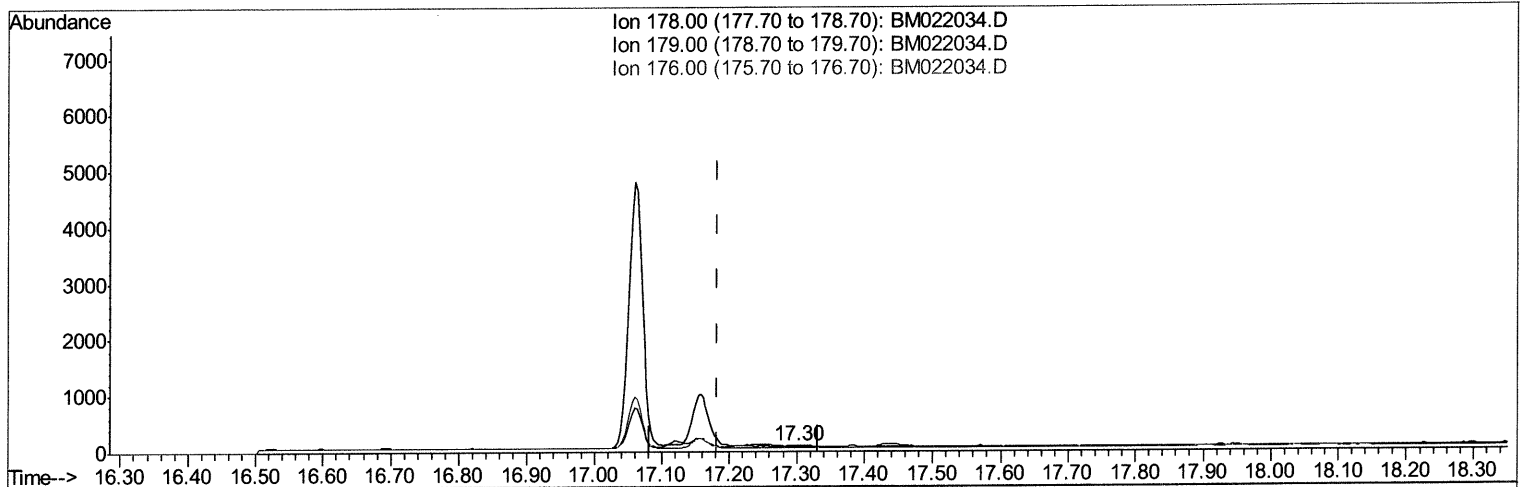
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:09:23 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



(13) Anthracene

17.299min (+0.116) 0.00ng/ul

response 44

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	126.09#
176.00	20.80	73.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

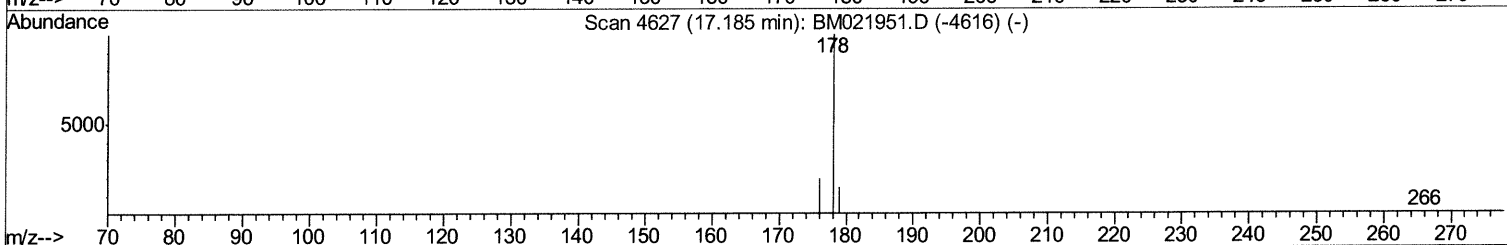
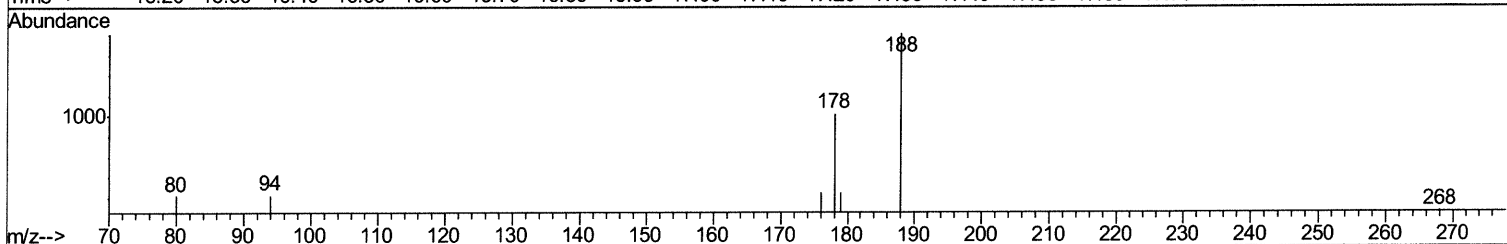
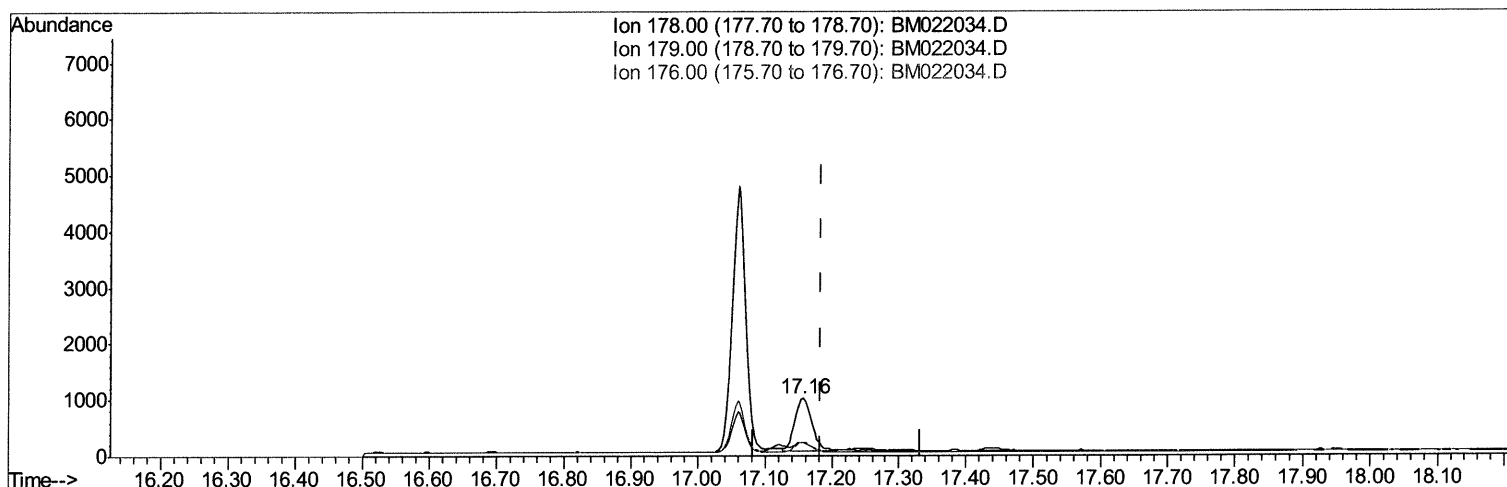
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022034.D
Acq On : 12 Aug 2019 16:30
Operator : HP/JU
Sample : K3962-14DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP07DL

Manual Integrations
APPROVED

Sohil
8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:09:23 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: BM022034.D

(13) Anthracene

17.157min (-0.026) 0.18ng/ul m *JU 08/13/19*

response 1638

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	23.33#
176.00	20.80	24.02
0.00	0.00	0.00

Quantitation Report (Qedit)

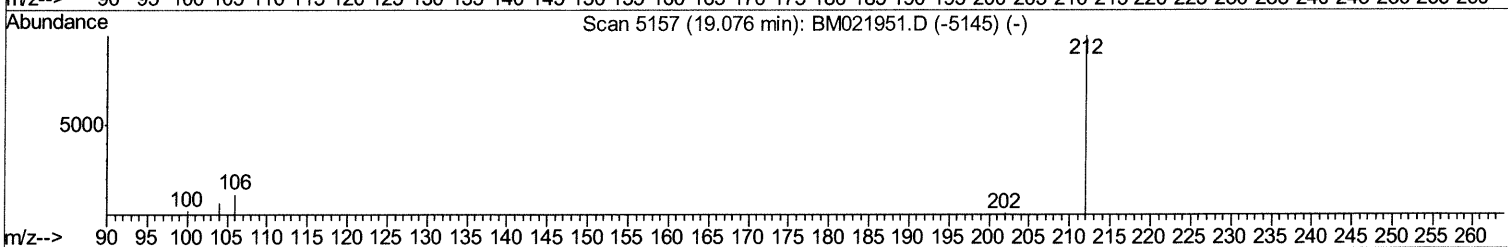
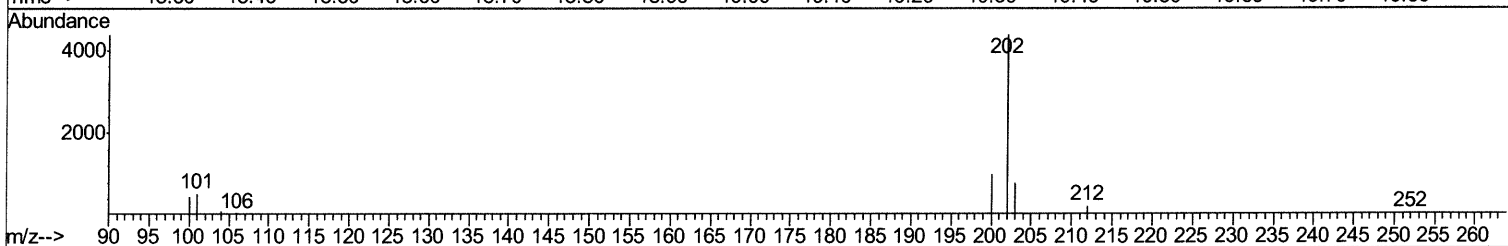
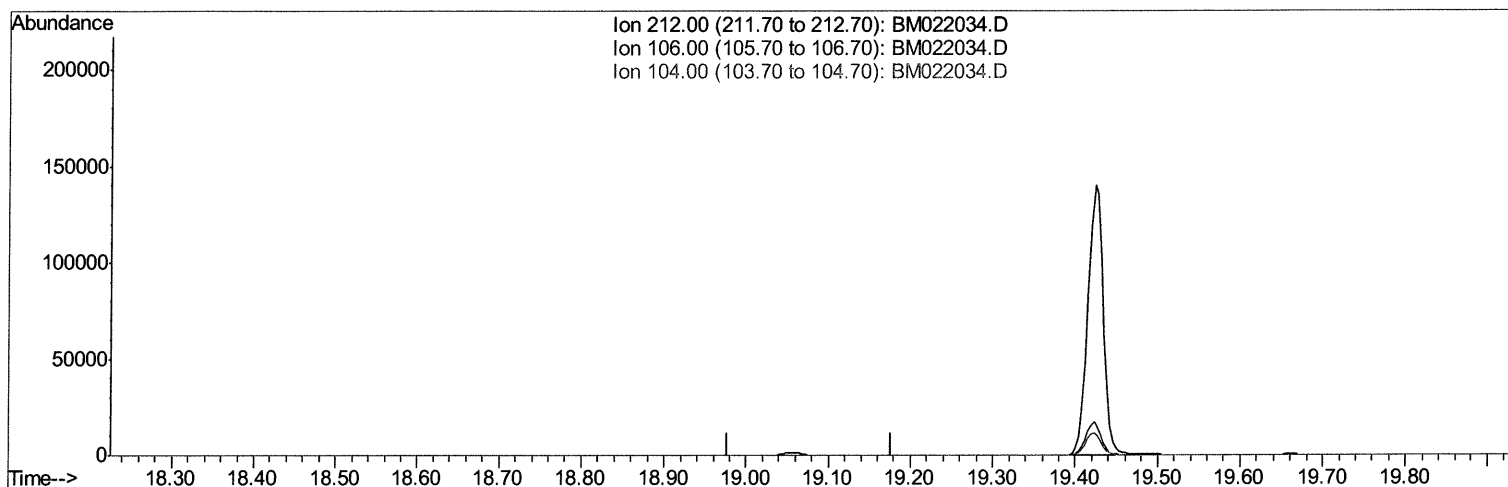
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022034.D
Acq On : 12 Aug 2019 16:30
Operator : HP/JU
Sample : K3962-14DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BEP07DL

Manual Integrations
APPROVED

Sohil
8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:09:23 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: BM022034.D

(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)

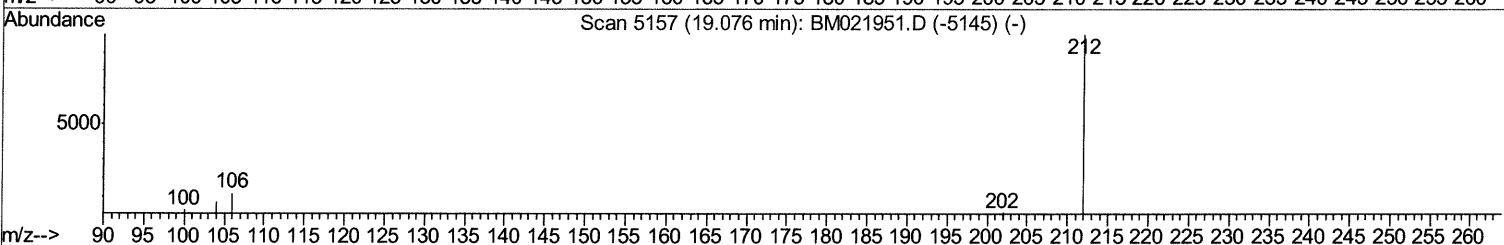
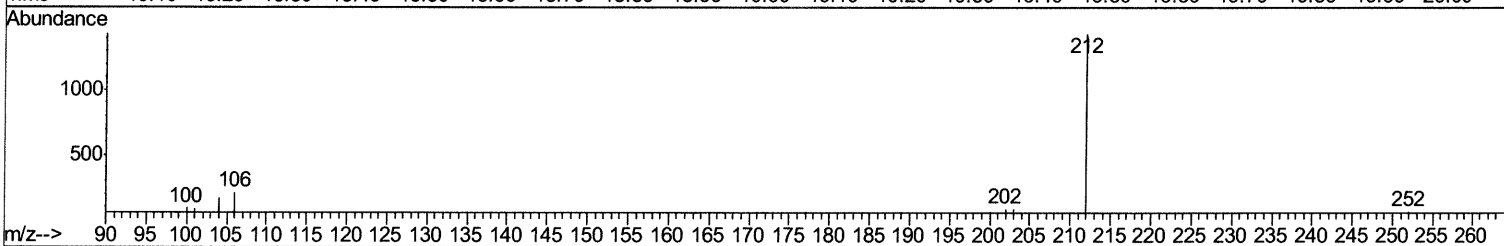
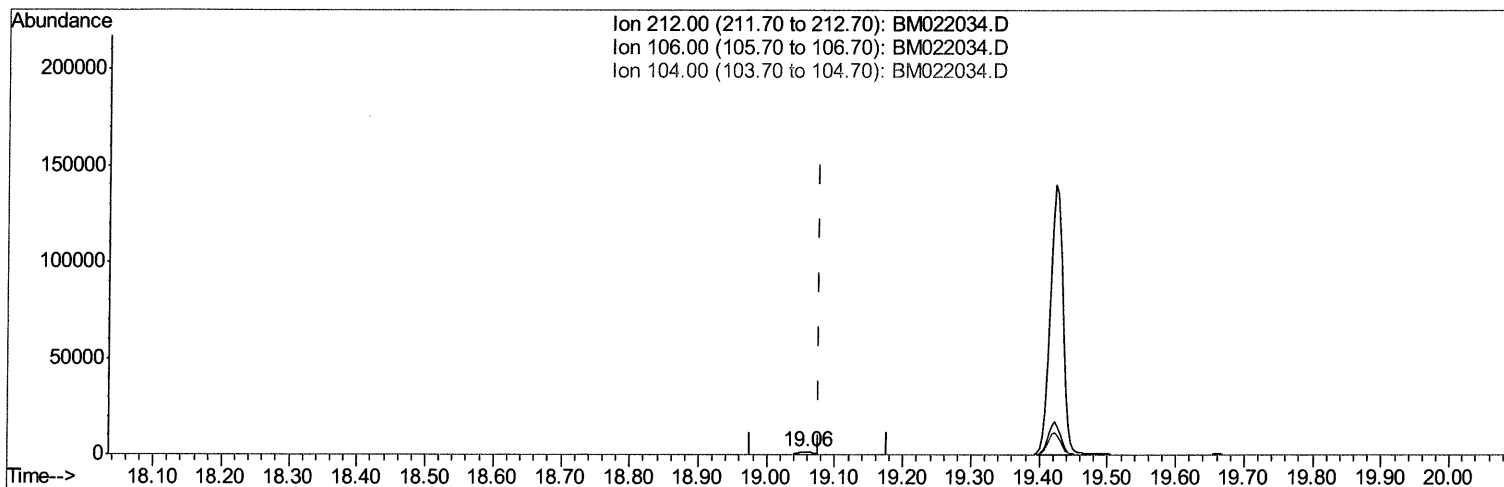
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:09:23 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: BM022034.D

(14) Fluoranthene-d10 (SURR)

19.057min (-0.021) 0.17ng/ul m

JU
 08/13/19

response 2089

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)

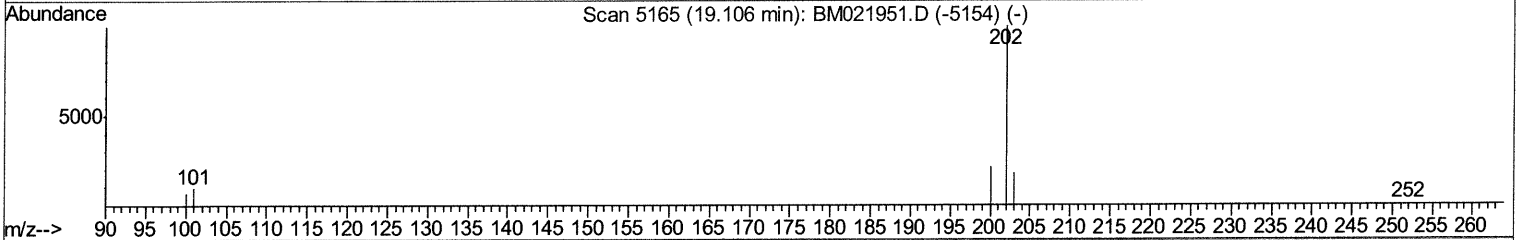
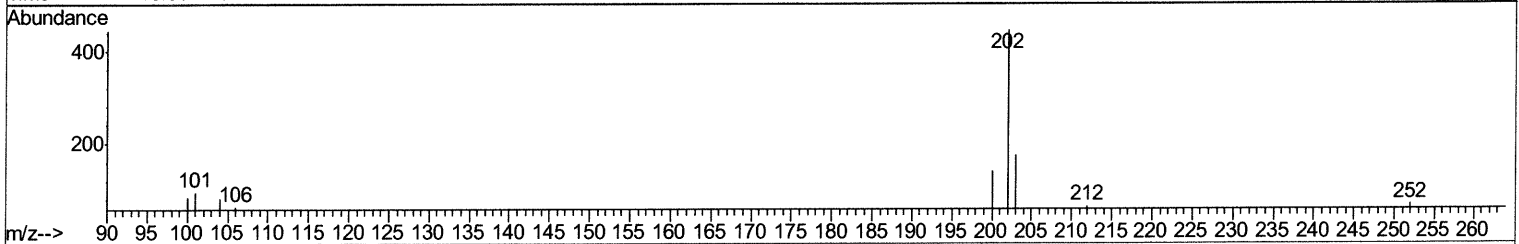
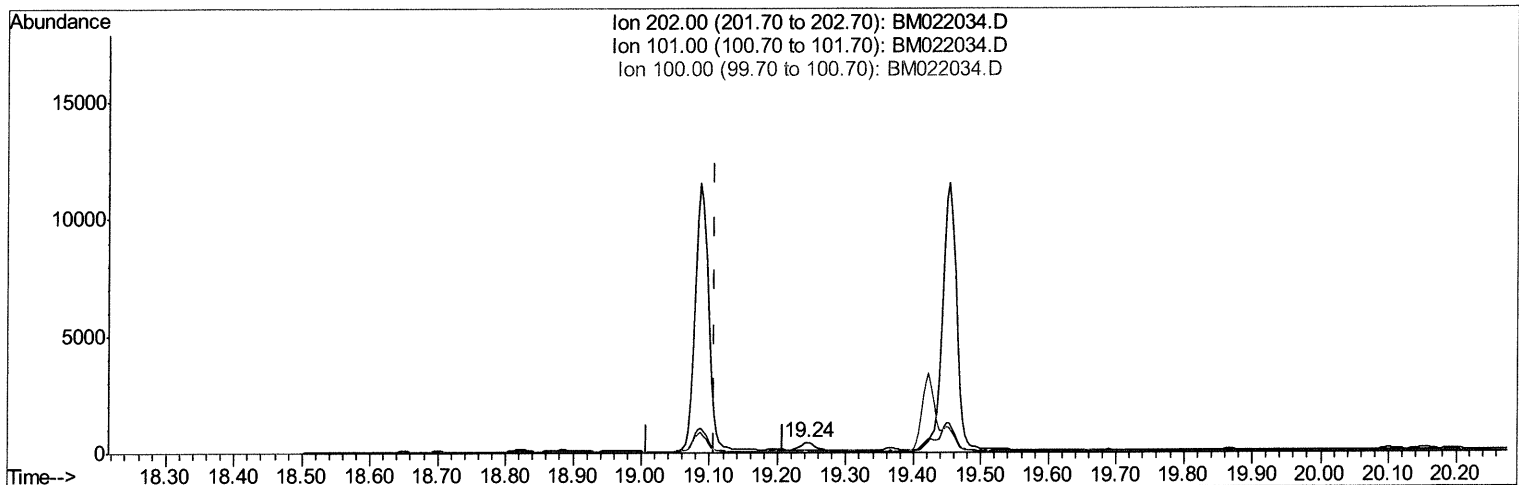
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:09:23 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



(15) Fluoranthene (C)

19.243min (+0.136) 0.03ng/ul

response 488

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	21.57
100.00	8.10	19.10
0.00	0.00	0.00

Quantitation Report (Qedit)

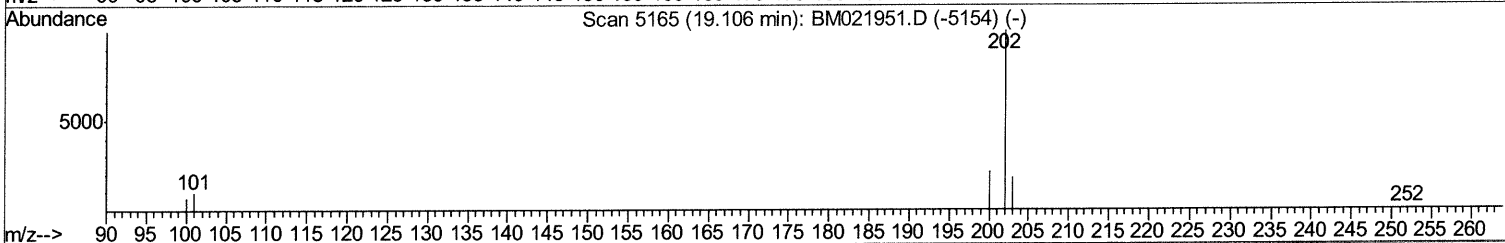
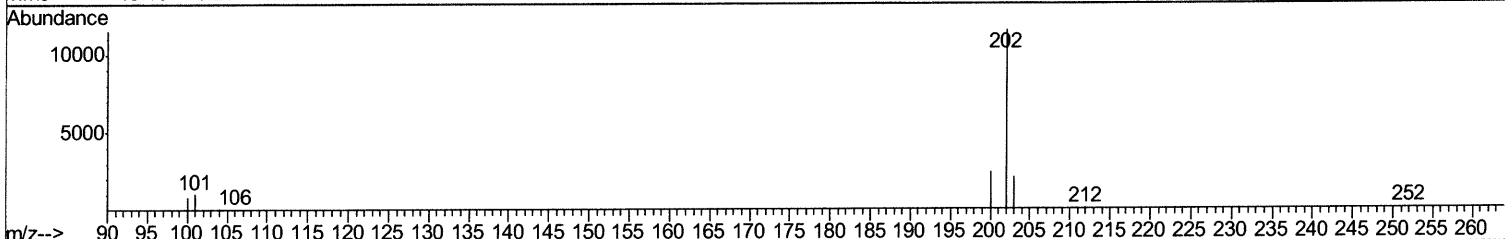
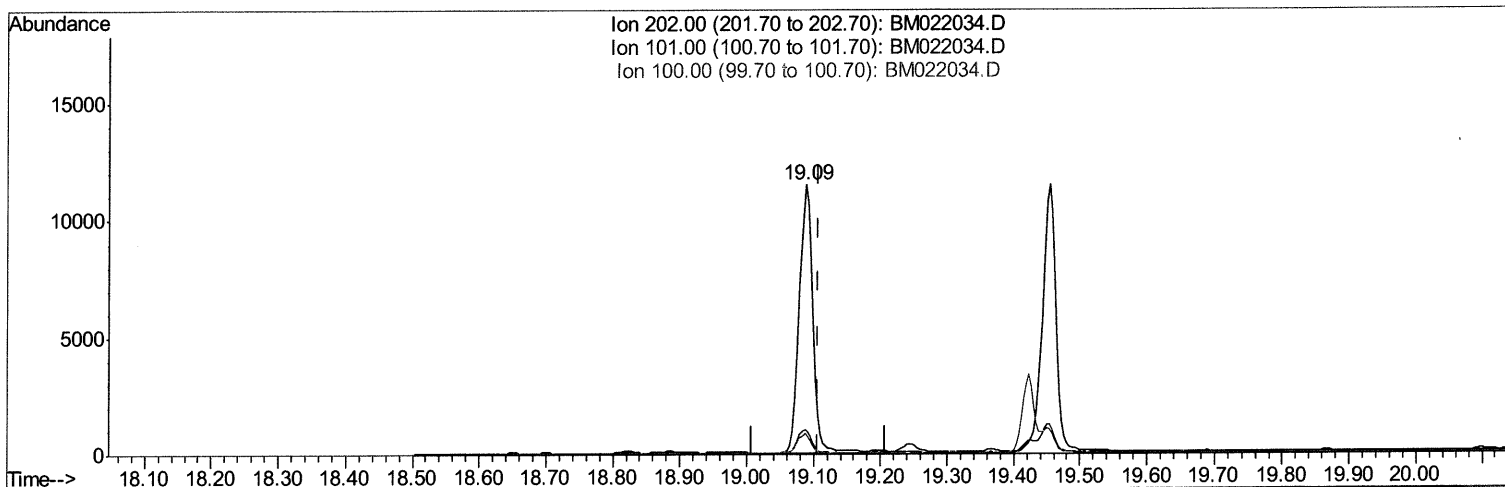
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:09:23 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: BM022034.D

(15) Fluoranthene (C)

19.087min (-0.021) 1.10ng/ul m

response 15418

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	9.30
100.00	8.10	7.66
0.00	0.00	0.00

Quantitation Report (Qedit)

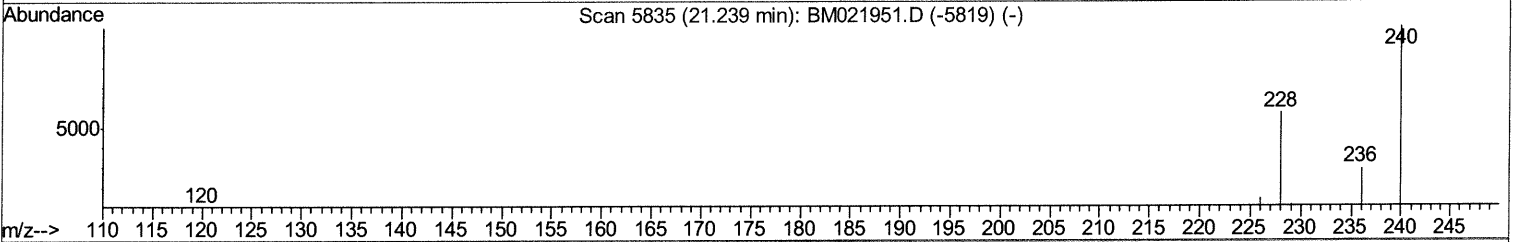
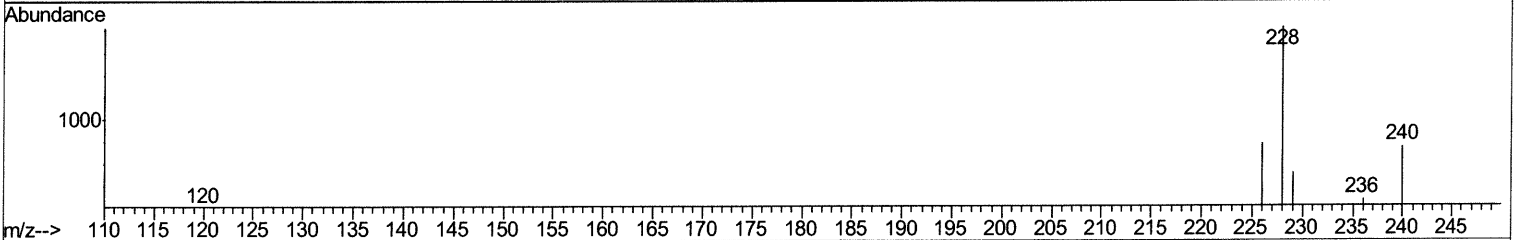
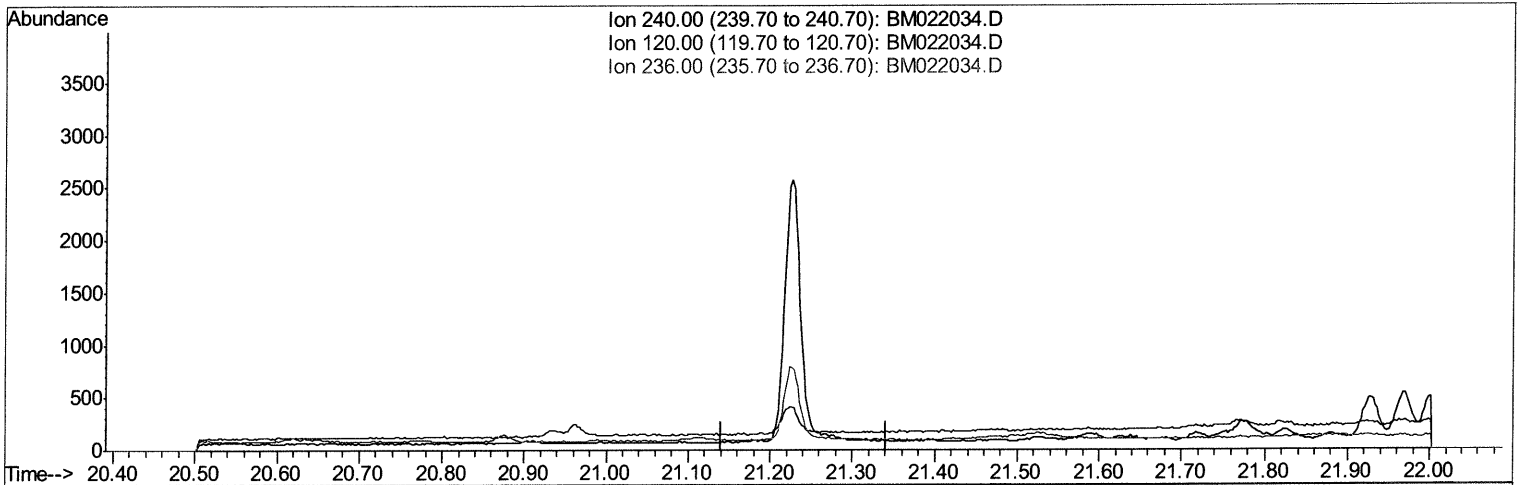
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:09:23 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)

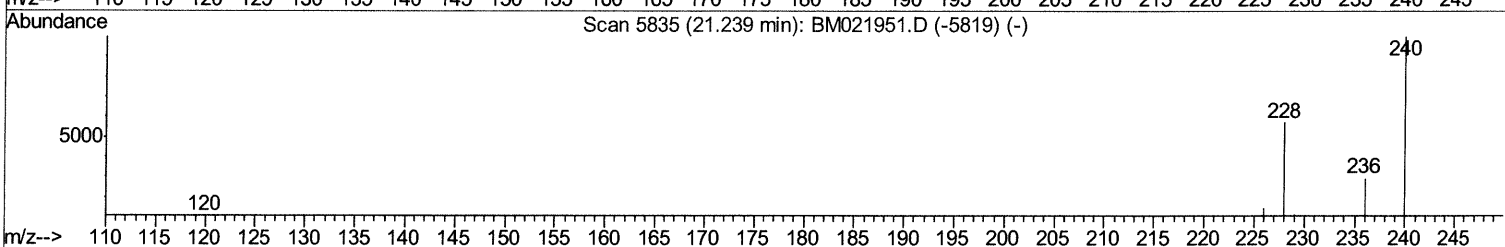
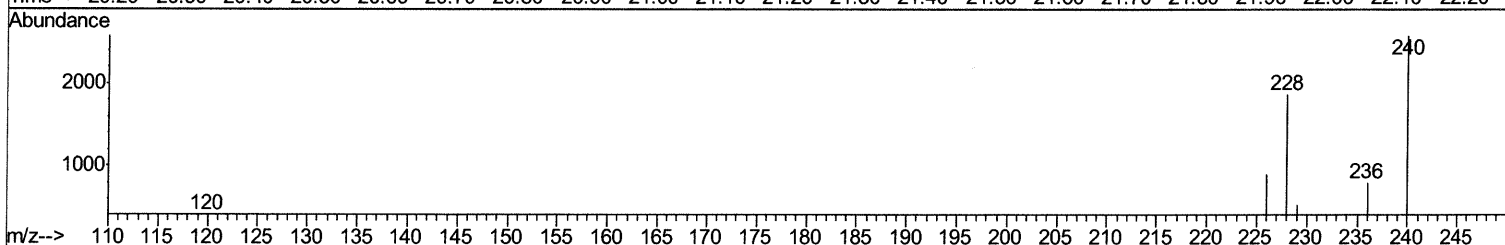
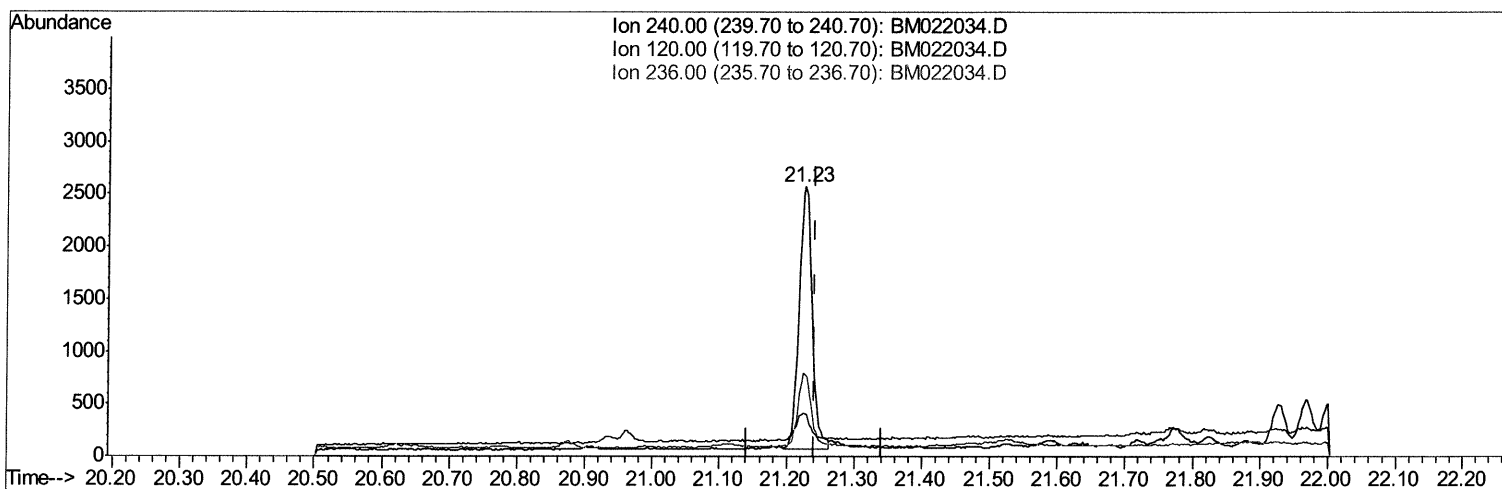
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:09:23 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: BM022034.D

(16) Chrysene-d12 (I)

21.227min (-0.015) 0.40ng/ul m

JU
 08/13/19

response 3350

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.81
236.00	32.30	30.61
0.00	0.00	0.00

Quantitation Report (Qedit)

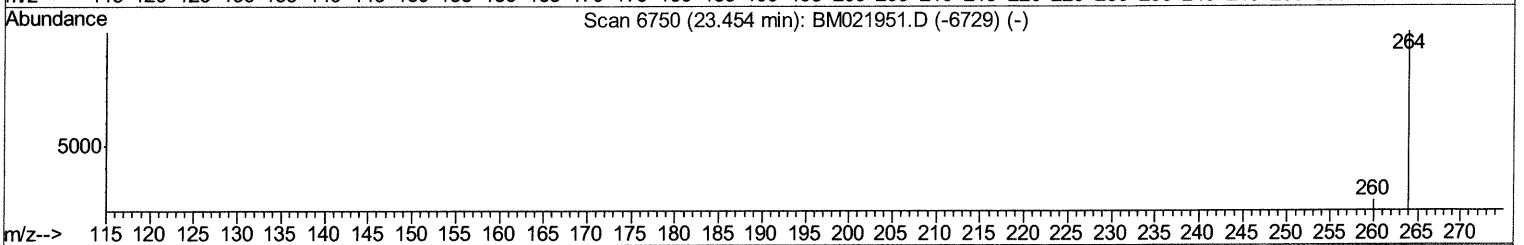
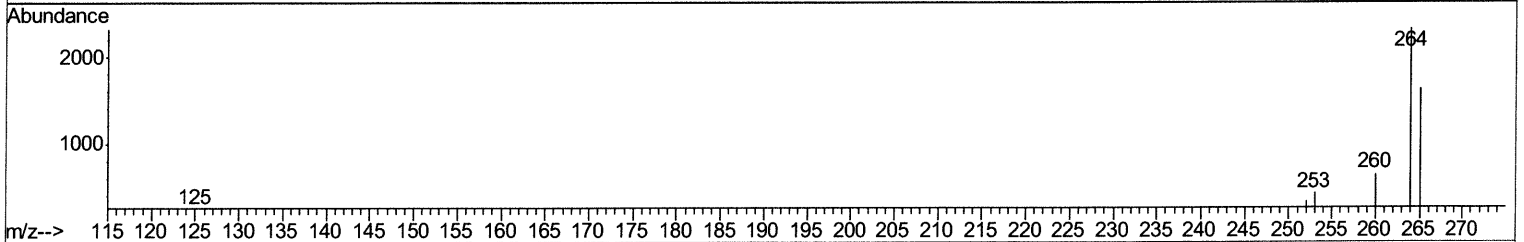
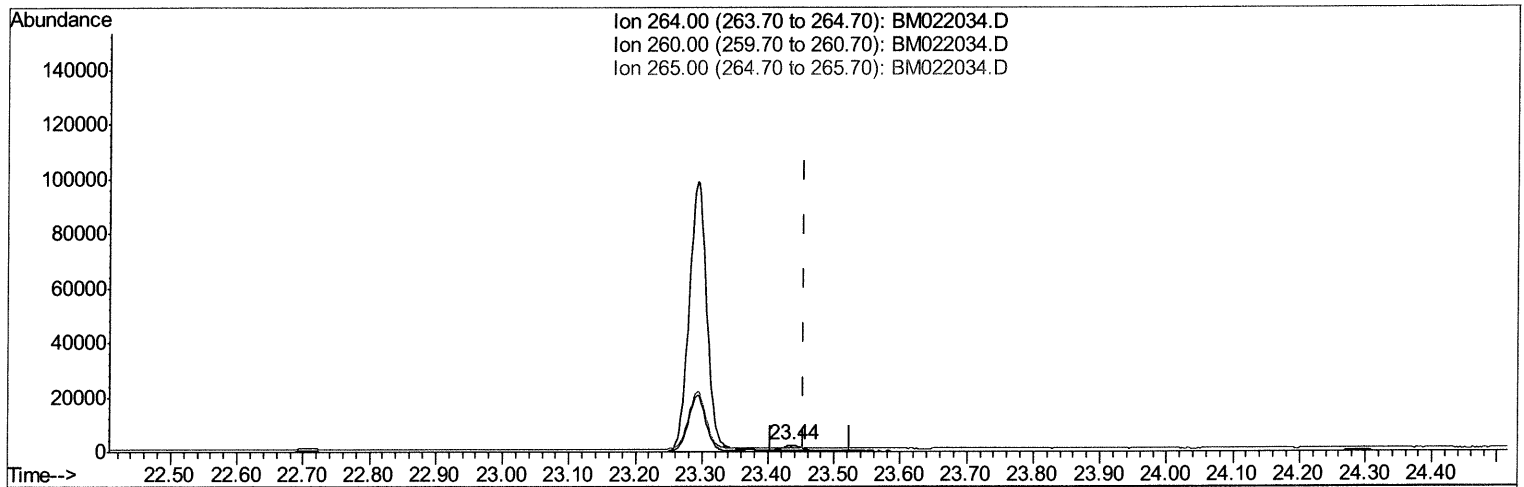
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:13:05 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: BM022034.D

(20) Perylene-d12 (I)

23.435min (-0.019) 0.40ng/ul

response 3992

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	27.66
265.00	117.00	70.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

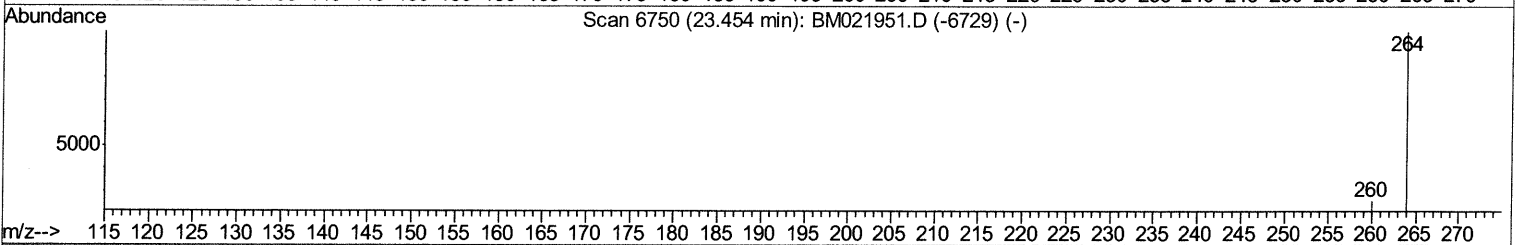
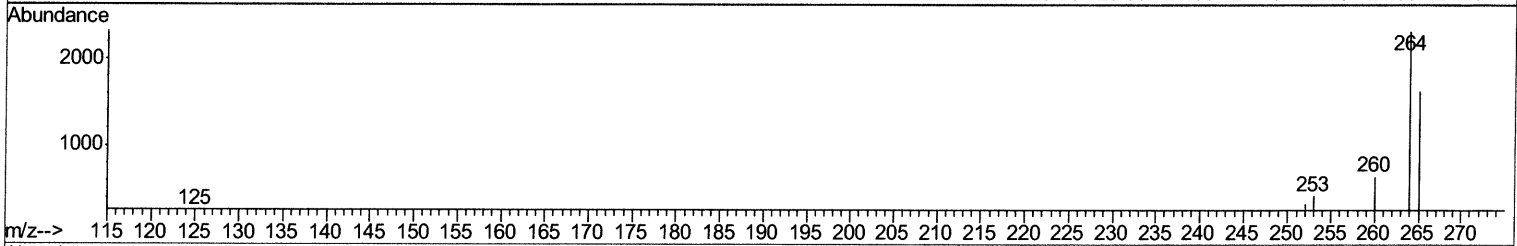
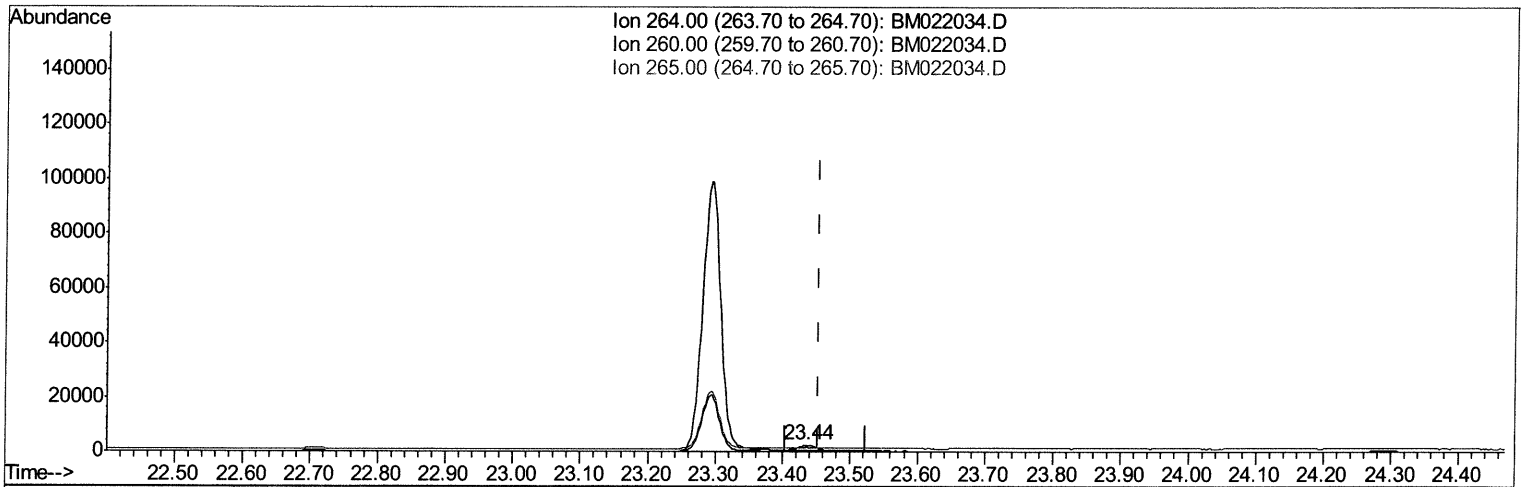
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BEP07DL

Manual Integrations
APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:13:05 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: BM022034.D

(20) Perylene-d12 (I)

23.435min (-0.019) 0.40ng/ul m *Ju 08/13/19*

response 3183

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	27.66
265.00	117.00	70.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

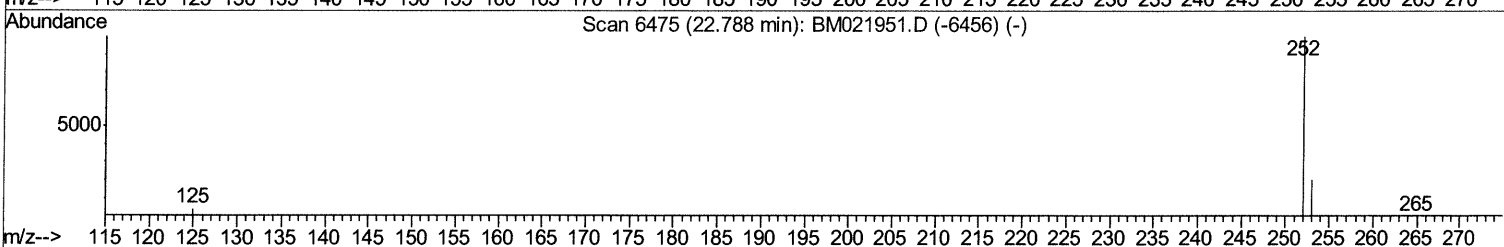
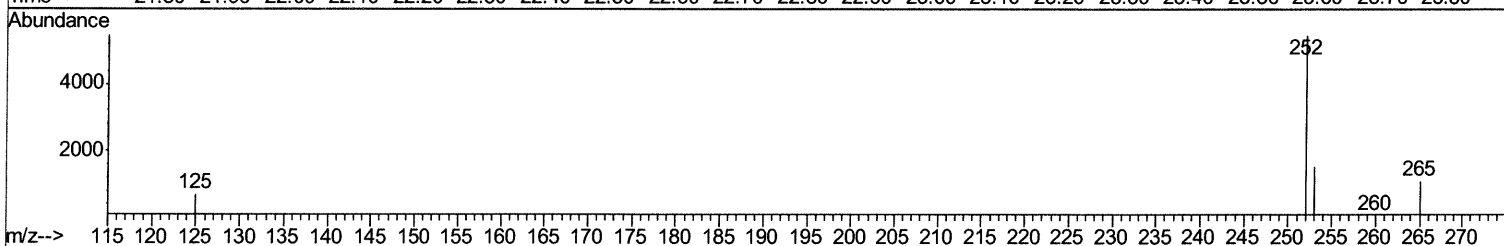
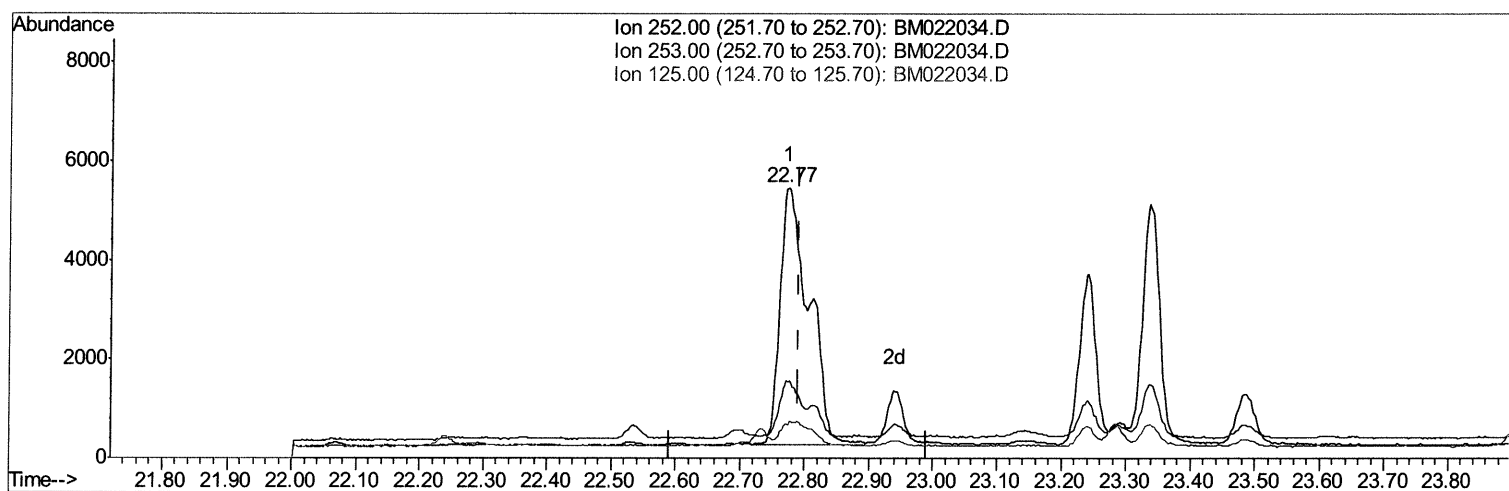
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022034.D
Acq On : 12 Aug 2019 16:30
Operator : HP/JU
Sample : K3962-14DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP07DL

Manual Integrations
APPROVED

Sohil
8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:13:43 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: BM022034.D

(21) Benzo(b)fluoranthene

22.774min (-0.017) 1.50ng/ul

response 16074

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	27.98
125.00	15.50	12.40
0.00	0.00	0.00

Quantitation Report (Qedit)

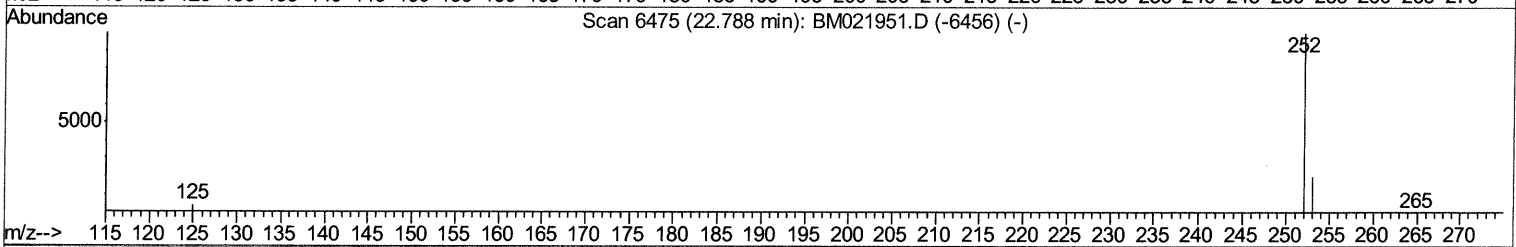
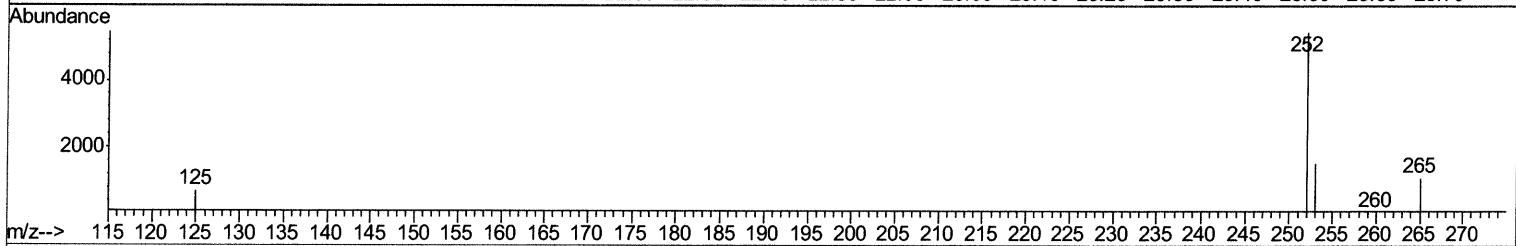
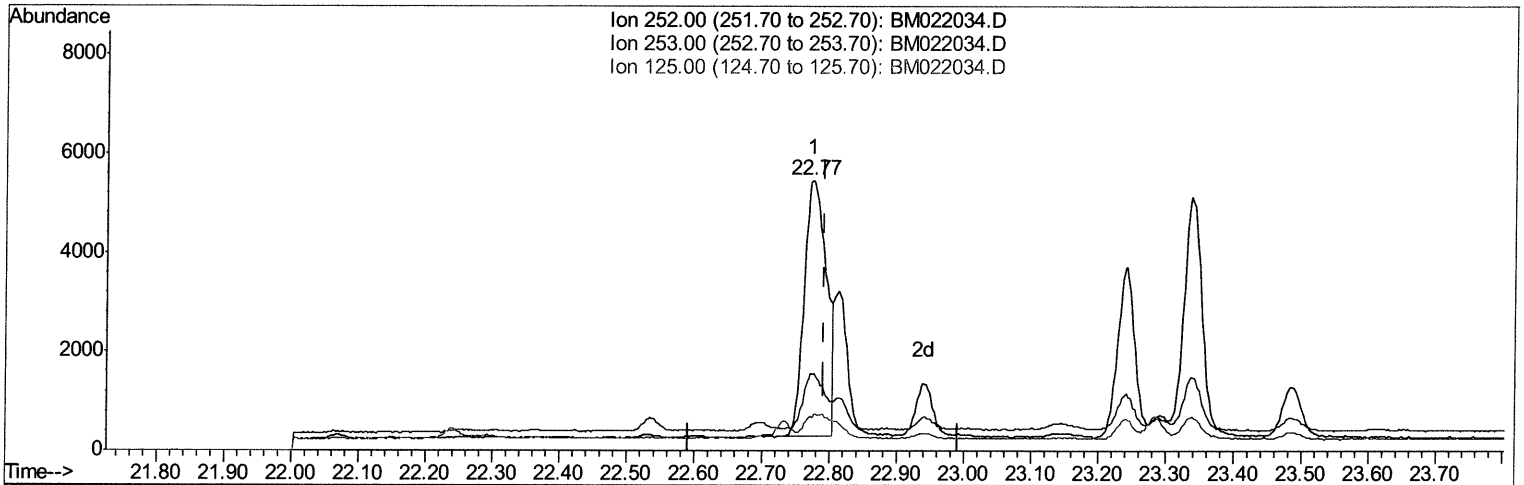
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:13:43 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



(21) Benzo(b)fluoranthene

22.774min (-0.017) 1.09ng/ul m

JU
 08/13/19

response 11707

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	27.98
125.00	15.50	12.40
0.00	0.00	0.00

Quantitation Report (Qedit)

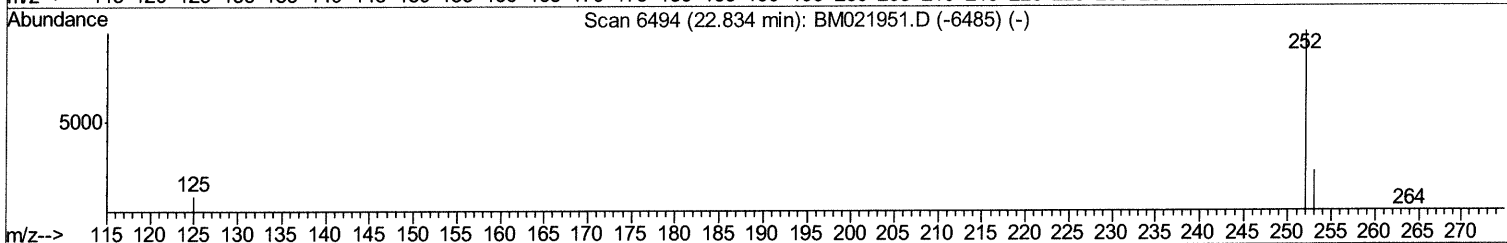
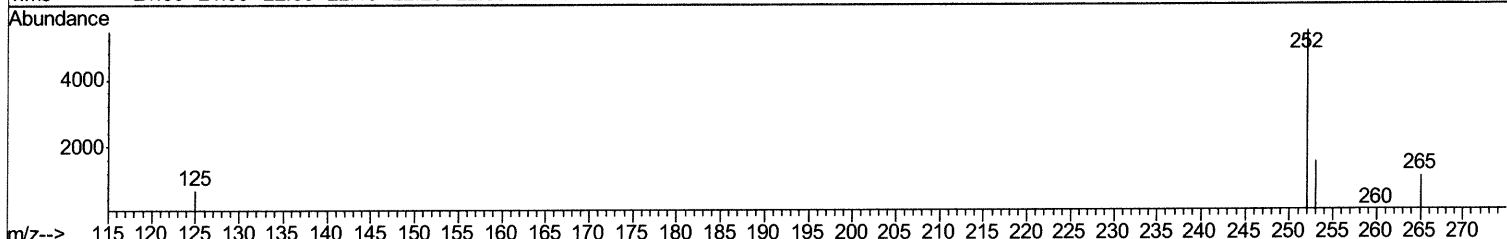
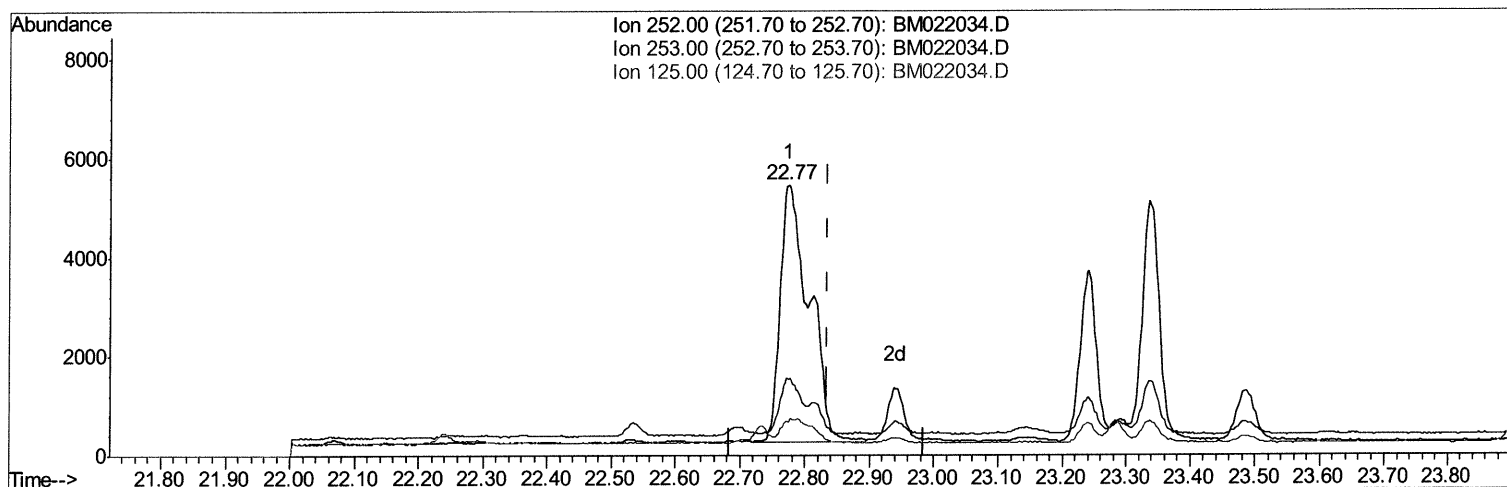
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BEP07DL

Manual Integrations
APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:13:43 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



(22) Benzo(k)fluoranthene
 22.774min (-0.061) 1.32ng/ul
 response 16074

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	27.98
125.00	15.20	12.40
0.00	0.00	0.00

Quantitation Report (Qedit)

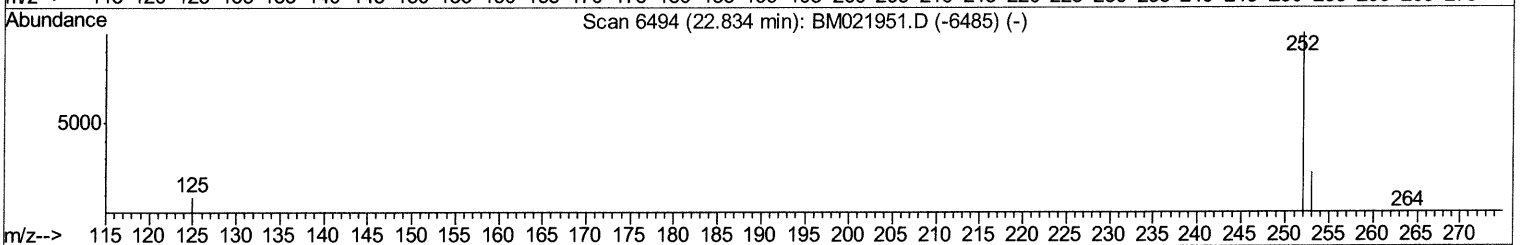
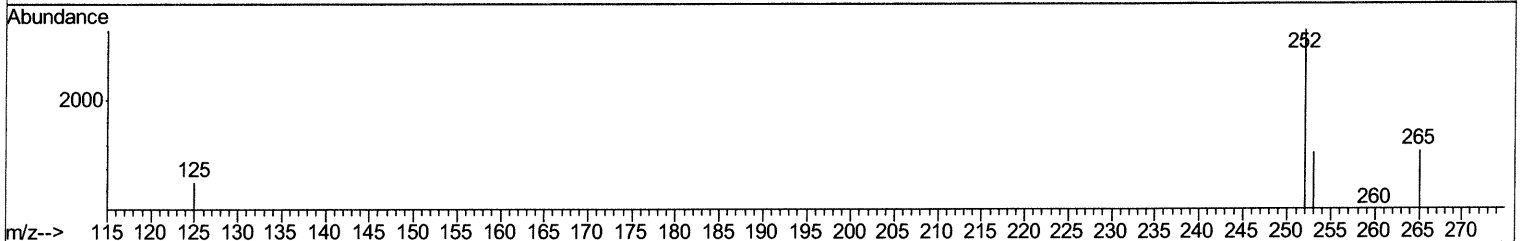
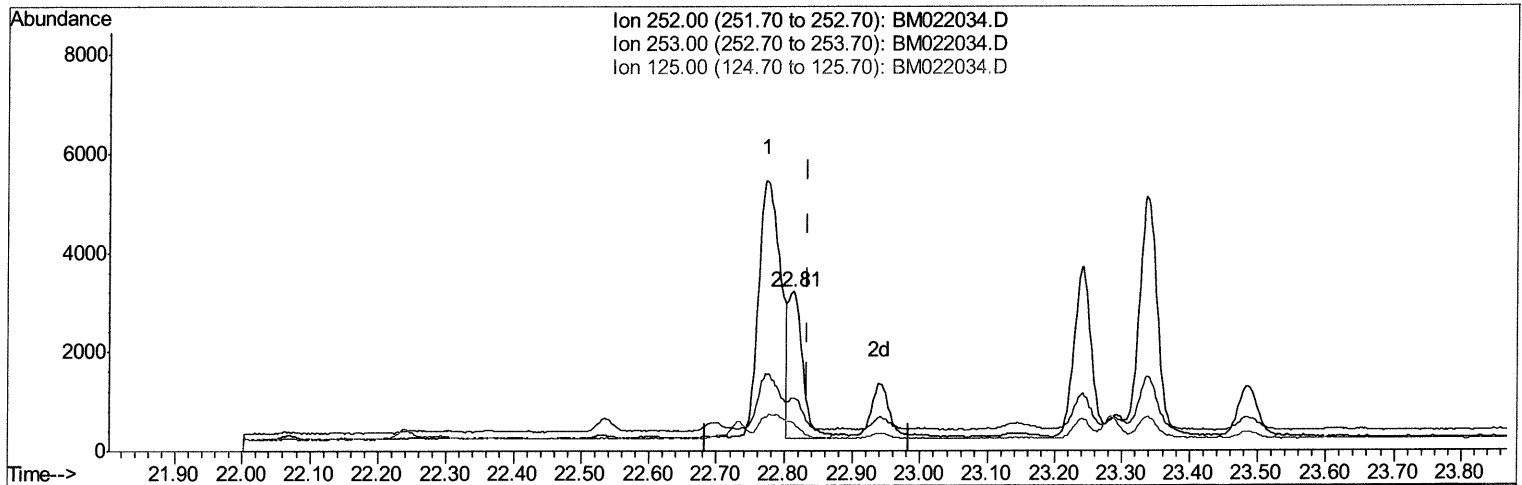
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:13:43 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: BM022034.D

(22) Benzo(k)fluoranthene

22.813min (-0.022) 0.36ng/ul m *JU 08/13/19*

response 4397

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	33.14
125.00	15.20	17.41
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022034.D
 Acq On : 12 Aug 2019 16:30
 Operator : HP/JU
 Sample : K3962-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BEP07DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 9:56:30 AM

Quant Time: Aug 12 17:14:50 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	675	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	2844	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1528	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	3590m→	0.40	ng/ul	-0.03
16) Chrysene-d12	21.23	240	3350m→	0.40	ng/ul	-0.01
20) Perylene-d12	23.44	264	3183m→	0.40	ng/ul	-0.02

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System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	692	0.15	ng/ul	-0.01
14) Fluoranthene-d10	19.06	212	2089m	0.17	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.44	128	259	0.032	ng/ul#	52
5) 2-Methylnaphthalene	12.08	142	141	0.026	ng/ul	93
7) Acenaphthylene	13.98	152	1041	0.146	ng/ul#	81
8) Acenaphthene	14.32	153	211	0.036	ng/ul#	93
9) Fluorene	15.32	166	316	0.049	ng/ul#	92
12) Phenanthrene	17.06	178	6825	0.653	ng/ul	98
13) Anthracene	17.16	178	1638m→	0.184	ng/ul	98
15) Fluoranthene	19.09	202	15418m→	1.102	ng/ul	98
17) Pyrene	19.45	202	16479	1.197	ng/ul	99
18) Benzo(a)anthracene	21.21	228	9173	0.766	ng/ul	97
19) Chrysene	21.26	228	9460	0.614	ng/ul	97
21) Benzo(b)fluoranthene	22.77	252	11707m→	1.091	ng/ul	97
22) Benzo(k)fluoranthene	22.81	252	4397m→	0.362	ng/ul	97
23) Benzo(a)pyrene	23.34	252	8927	0.818	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.65	276	5669	0.435	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.65	278	1514	0.144	ng/ul#	63
26) Benzo(g,h,i)perylene	26.33	276	5715	0.487	ng/ul	96

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